

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005941.D
 Acq On : 13 Nov 2018 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 14 03:45:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	112671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	151087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	122981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	58569	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	5.49	113	47348	46.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	8.71	98	166030	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.14	95	62470	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

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Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	44973	44.271	ug/l 90
3) Chloromethane	1.32	50	59503	44.632	ug/l 90
4) Vinyl Chloride	1.41	62	56084	41.904	ug/l 93
5) Bromomethane	1.64	94	35291	43.088	ug/l 98
6) Chloroethane	1.71	64	35474	44.422	ug/l 97
7) Trichlorofluoromethane	1.92	101	79798	44.918	ug/l 92
8) Diethyl Ether	2.19	74	31880	45.796	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	47684	46.669	ug/l 97
10) Methyl Iodide	2.51	142	62798	50.711	ug/l 95
11) Tert butyl alcohol	3.08	59	82162	221.426	ug/l 99
12) 1,1-Dichloroethene	2.37	96	43574	43.754	ug/l 86
13) Acrolein	2.29	56	53633	299.067	ug/l 94
14) Allyl chloride	2.73	41	105828	47.580	ug/l 99
15) Acrylonitrile	3.15	53	185328	241.007	ug/l 99
16) Acetone	2.45	43	175737	251.981	ug/l 96
17) Carbon Disulfide	2.57	76	135369	45.571	ug/l 99
18) Methyl Acetate	2.78	43	93942	50.271	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	158978	46.772	ug/l 100
20) Methylene Chloride	2.85	84	50106	43.737	ug/l 90
21) trans-1,2-Dichloroethene	3.17	96	49333	46.965	ug/l 88
22) Diisopropyl ether	3.87	45	190320	48.846	ug/l # 96
23) Vinyl Acetate	3.82	43	767010	229.590	ug/l 97
24) 1,1-Dichloroethane	3.69	63	96832	46.581	ug/l 98
25) 2-Butanone	4.71	43	256625	234.049	ug/l # 89
26) 2,2-Dichloropropane	4.58	77	77361	50.732	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	55678	48.004	ug/l 97
28) Bromochloromethane	5.01	49	46283	49.818	ug/l 99
29) Tetrahydrofuran	5.16	42	166315	236.240	ug/l 98
30) Chloroform	5.21	83	88023	43.890	ug/l 89
31) Cyclohexane	5.57	56	85641	47.460	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	78736	47.068	ug/l 98
36) 1,1-Dichloropropene	5.80	75	67421	46.289	ug/l 98
37) Ethyl Acetate	4.86	43	85941	44.870	ug/l 98
38) Carbon Tetrachloride	5.78	117	71882	49.297	ug/l 92

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Manual Integrations
 APPROVED

Quant Time: Nov 14 03:45:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76563	51.864	ug/l	90
40) Benzene	6.14	78	191466	45.093	ug/l	99
41) Methacrylonitrile	5.06	41	48925	47.273	ug/l	99
42) 1,2-Dichloroethane	6.19	62	72430	47.625	ug/l	99
43) Isopropyl Acetate	6.46	43	127493	45.937	ug/l	98
44) Trichloroethene	7.21	130	50669	46.989	ug/l	96
45) 1,2-Dichloropropane	7.52	63	49883	48.402	ug/l	100
46) Dibromomethane	7.66	93	32358	50.035	ug/l	99
47) Bromodichloromethane	7.90	83	65856	53.884	ug/l	92
48) Methyl methacrylate	7.77	41	65418	52.494	ug/l	97
49) 1,4-Dioxane	7.75	88	26211	976.070	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	429643	245.631	ug/l	99
52) Toluene	8.79	92	112408	47.368	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	69176	47.962	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	75585	51.416	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	46558	44.021	ug/l	98
56) Ethyl methacrylate	9.18	69	72907	46.072	ug/l	99
57) 1,3-Dichloropropane	9.37	76	78943	44.417	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	207237	240.652	ug/l	99
59) 2-Hexanone	9.49	43	349532	226.705	ug/l	100
60) Dibromochloromethane	9.59	129	50567	44.240	ug/l	99
61) 1,2-Dibromoethane	9.67	107	48907	41.819	ug/l	100
64) Tetrachloroethene	9.34	164	53394	50.994	ug/l	99
65) Chlorobenzene	10.14	112	126827	51.478	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	47573	55.542	ug/l	99
67) Ethyl Benzene	10.25	91	221244	56.003	ug/l	100
68) m/p-Xylenes	10.36	106	172871	114.719	ug/l	100
69) o-Xylene	10.70	106	80207	59.358	ug/l	97
70) Styrene	10.71	104	138549	62.156	ug/l	99
71) Bromoform	10.86	173	42249	58.842	ug/l	98
73) Isopropylbenzene	11.02	105	228674	55.144	ug/l	100
74) N-amyl acetate	10.90	43	111889	48.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77047	50.619	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	75563m	51.750	ug/l	
77) Bromobenzene	11.26	156	60035	51.363	ug/l	100
78) n-propylbenzene	11.36	91	271195	55.491	ug/l	99
79) 2-Chlorotoluene	11.42	91	157887	53.449	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	197503	56.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23796	51.941	ug/l	98
82) 4-Chlorotoluene	11.51	91	189794	54.517	ug/l	100
83) tert-Butylbenzene	11.77	119	190148	53.336	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	203212	52.258	ug/l	99
85) sec-Butylbenzene	11.94	105	235547	54.030	ug/l	100
86) p-Isopropyltoluene	12.07	119	216056	55.949	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	113766	50.717	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	115364	50.239	ug/l	100
89) n-Butylbenzene	12.39	91	195058	54.501	ug/l	100
90) Hexachloroethane	12.60	117	34243	53.113	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	113701	50.598	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19356	52.113	ug/l	98

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#

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Quant Time: Nov 14 03:45:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	86862	54.909	ug/l	100
94) Hexachlorobutadiene	13.78	225	44766	53.872	ug/l	100
95) Naphthalene	13.83	128	257695	49.951	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	87499	54.292	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

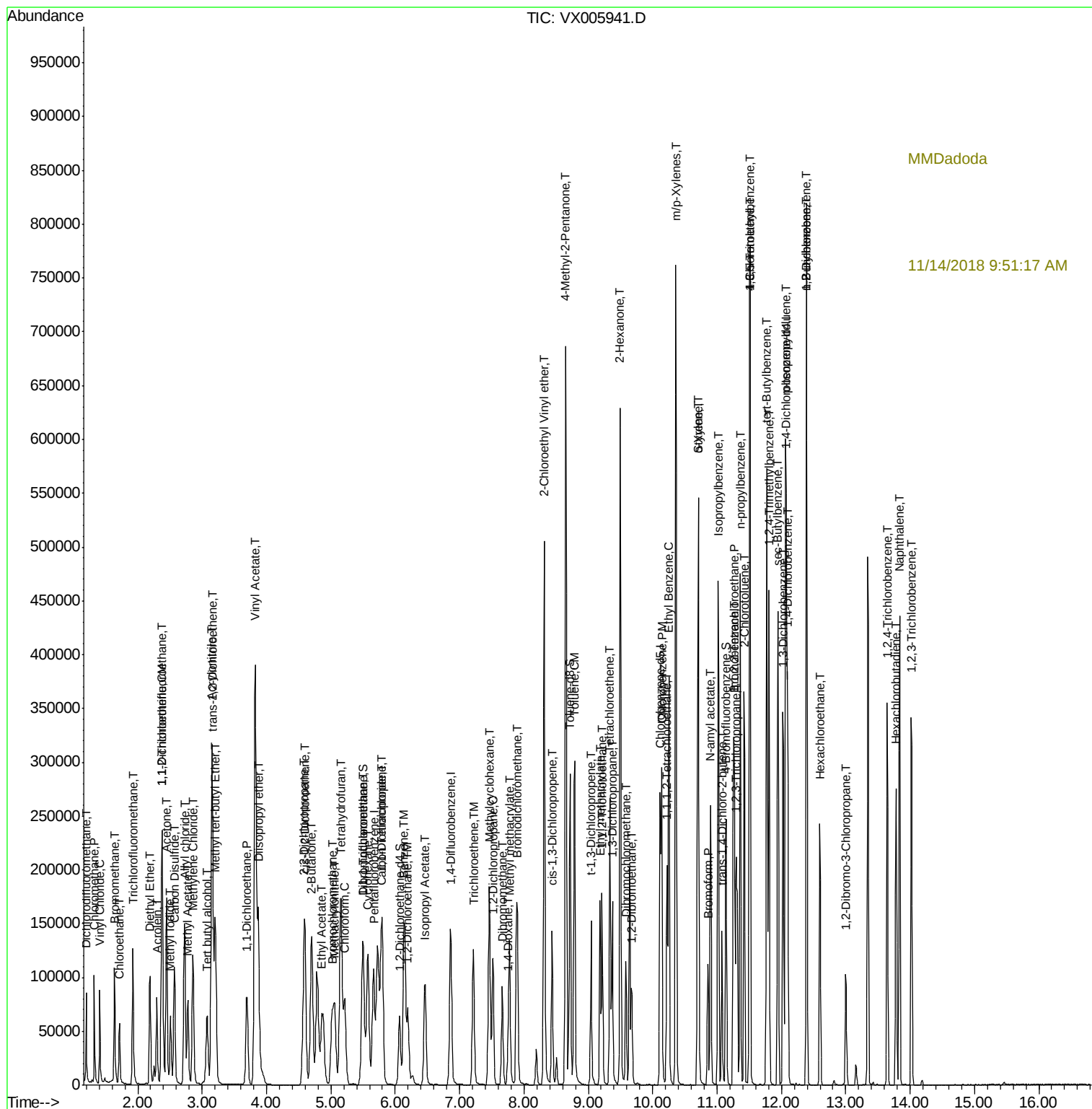
11/14/2018 9:51:17 AM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005941.D
 Acq On : 13 Nov 2018 11:27
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDC0050

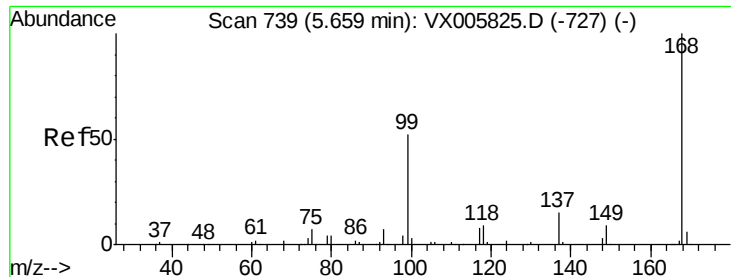
Manual Integrations
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Quant Time: Nov 14 03:45:52 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
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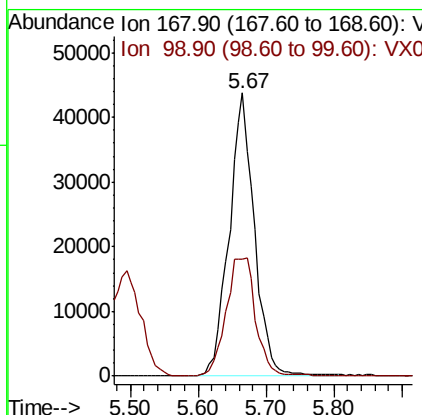
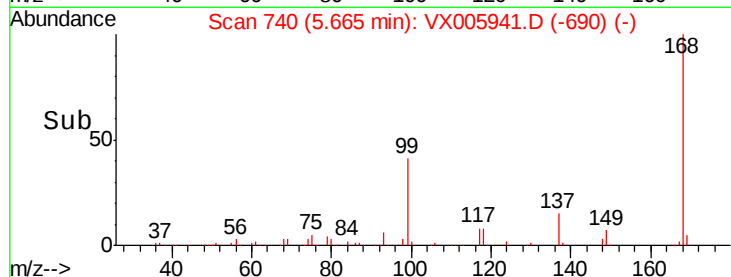
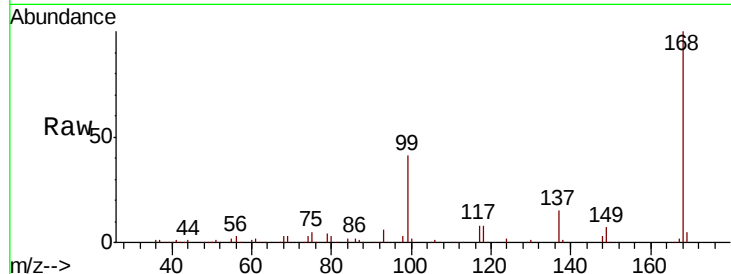


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

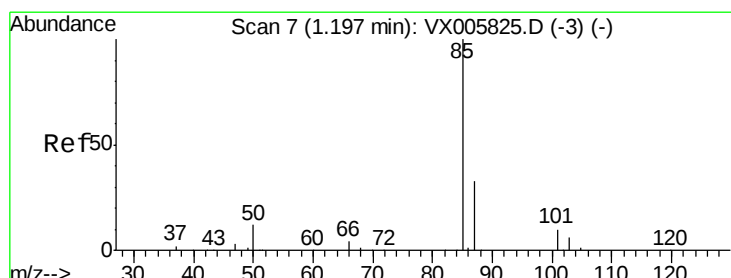
Tot Ion	Ratio	Lower	Upper
168	100		
99	41.1	40.7	61.1

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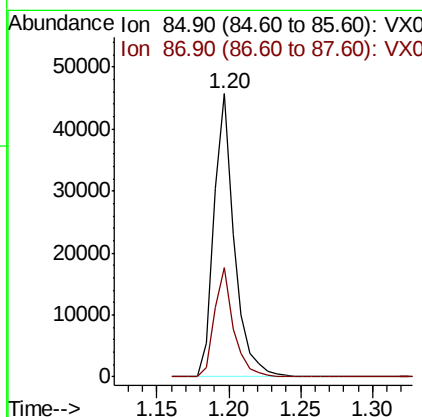
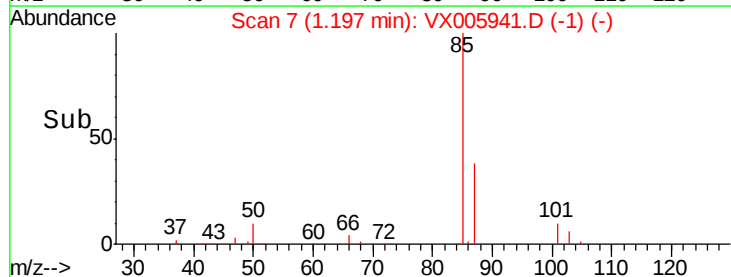
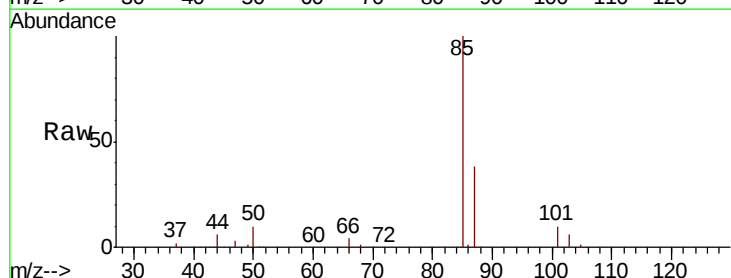
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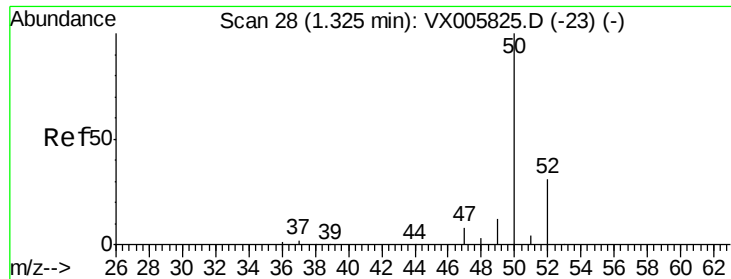
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#2
Dichlorodifluoromethane
Concen: 44.271 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	38.5	16.3	48.9





#3

Chloromethane

Concen: 44.632 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

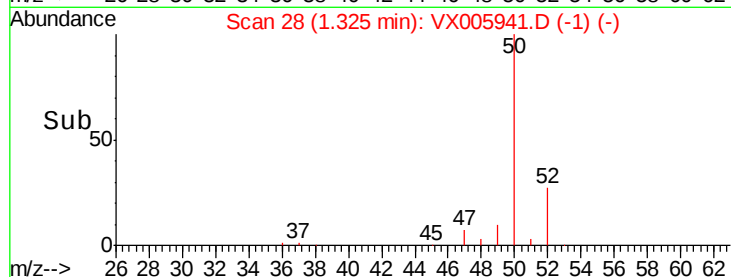
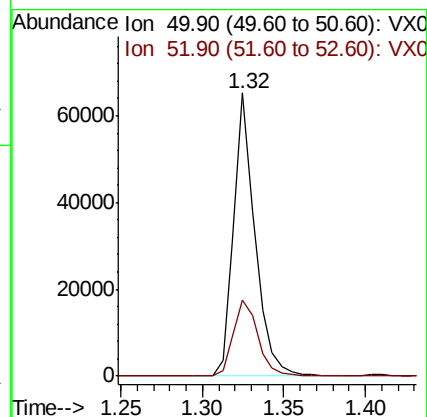
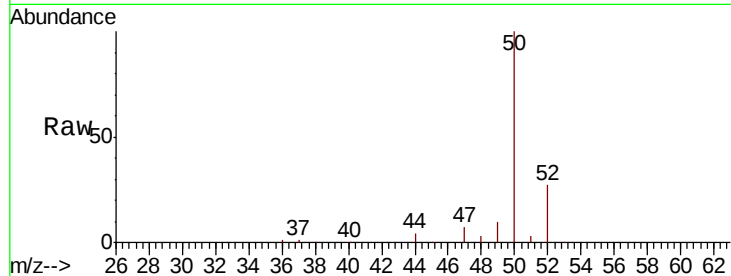
Tot Ion: 50 Resp: 59503

Ion Ratio Lower Upper

50 100

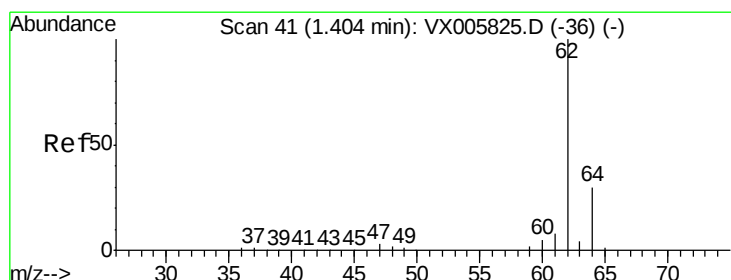
52 26.9 26.2 39.2

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#4

Vinyl Chloride

Concen: 41.904 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005941.D

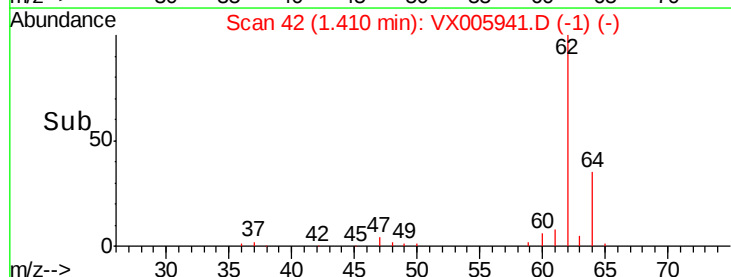
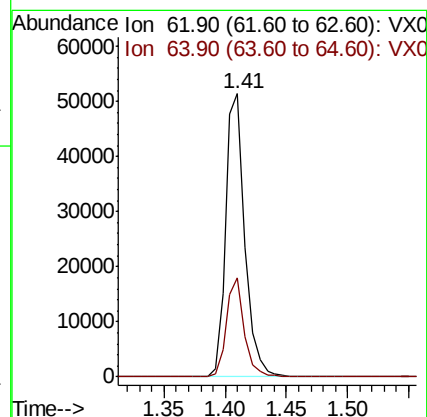
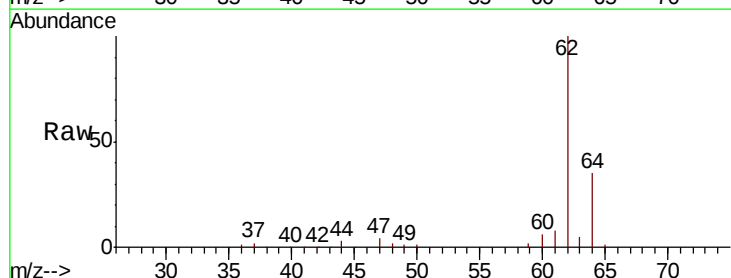
Acq: 13 Nov 2018 11:27

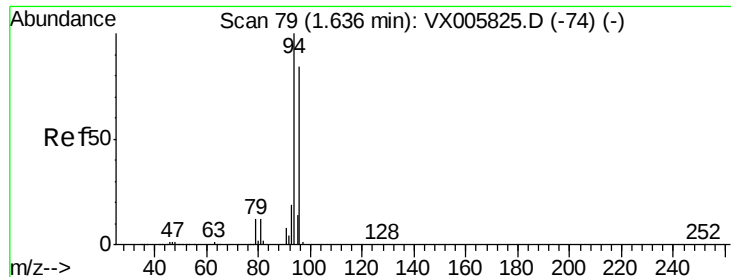
Tgt Ion: 62 Resp: 56084

Ion Ratio Lower Upper

62 100

64 35.2 25.3 37.9





#5

Bromomethane

Concen: 43.088 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

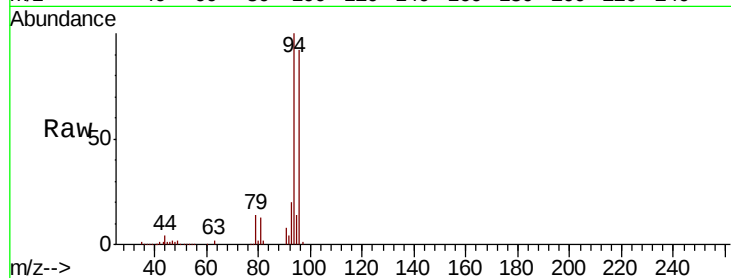
Tot Ion: 94 Resp: 35291

Ion Ratio Lower Upper

94 100

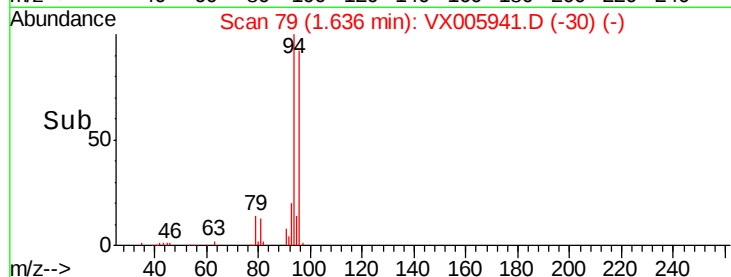
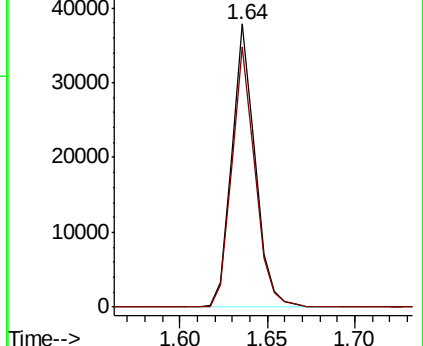
96 91.9 75.2 112.8

Manual Integrations
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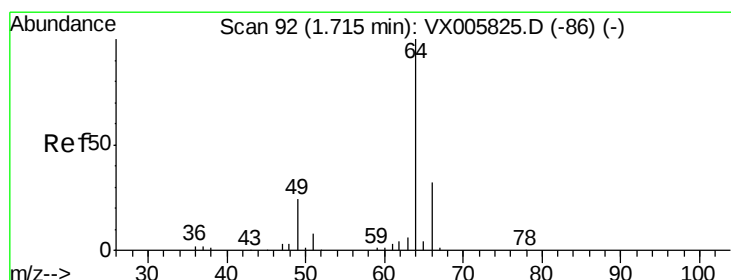
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



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#6

Chloroethane

Concen: 44.422 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005941.D

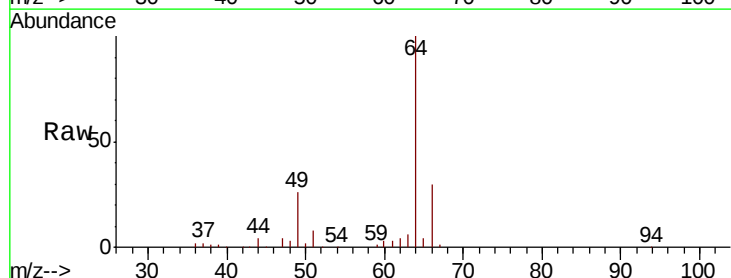
Acq: 13 Nov 2018 11:27

Tgt Ion: 64 Resp: 35474

Ion Ratio Lower Upper

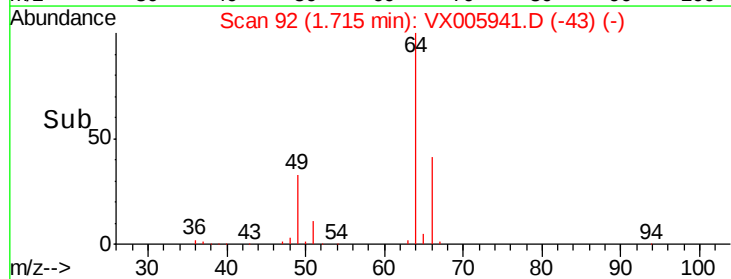
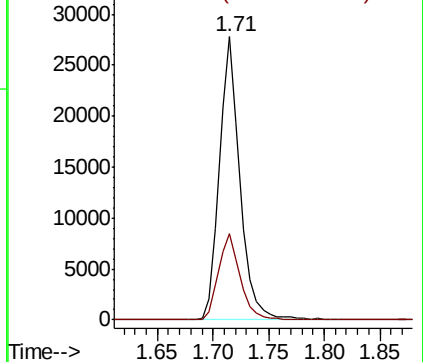
64 100

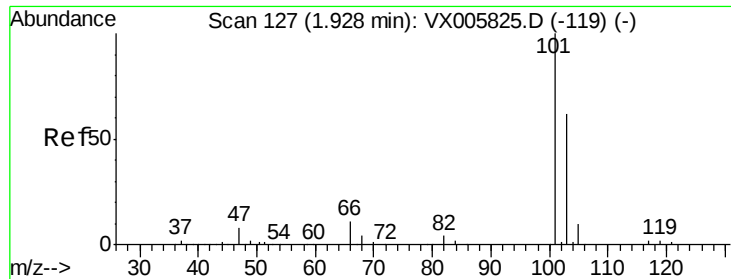
66 30.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





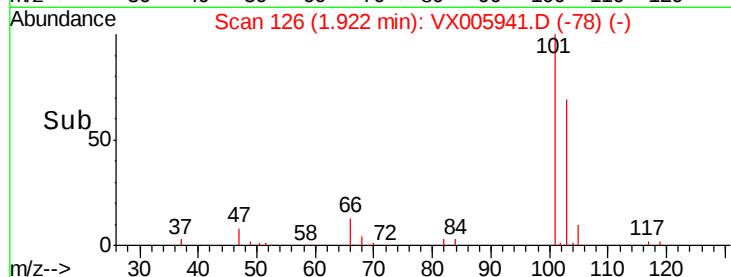
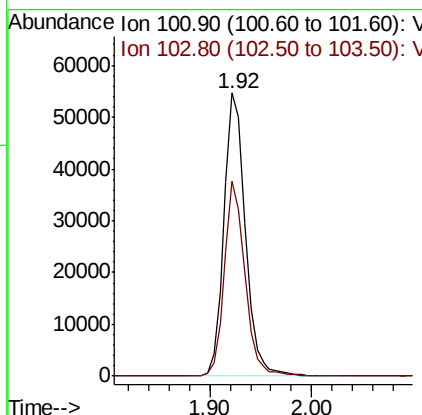
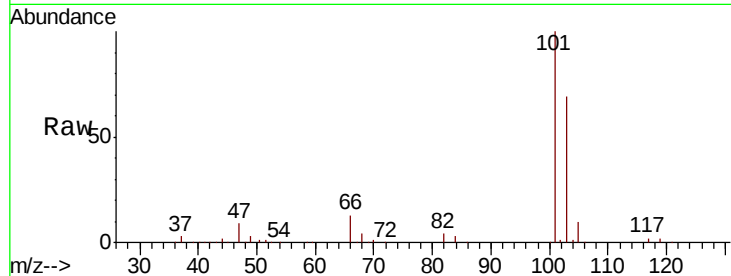
#7

Trichlorofluoromethane
Concen: 44.918 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

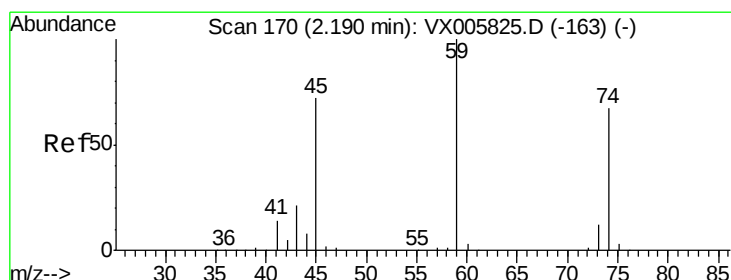
Tot Ion	Ratio	Lower	Upper
101	100		
103	69.1	50.0	75.0

Manual Integrations
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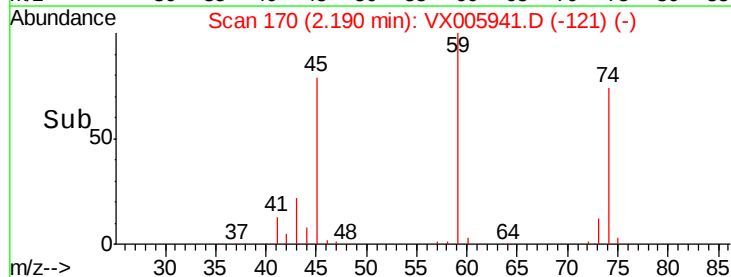
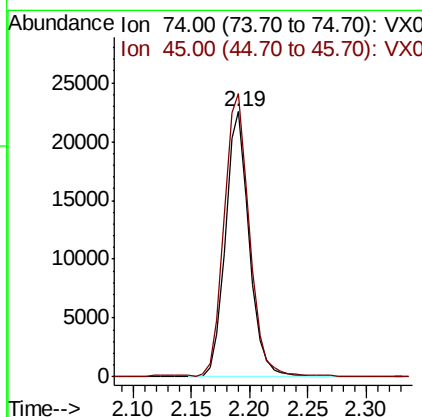
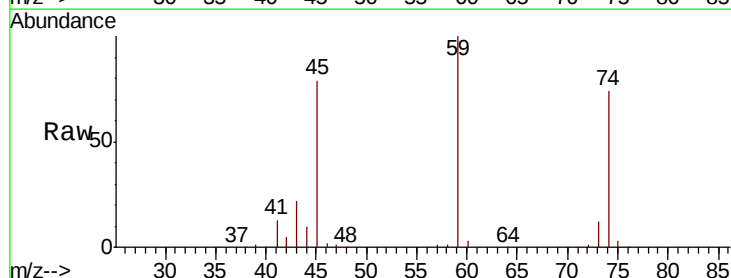
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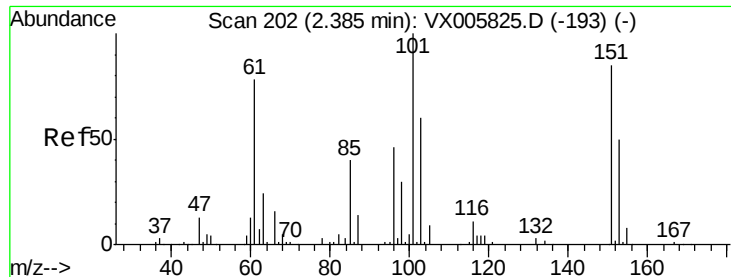


#8

Diethyl Ether
Concen: 45.796 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	54.1	162.3



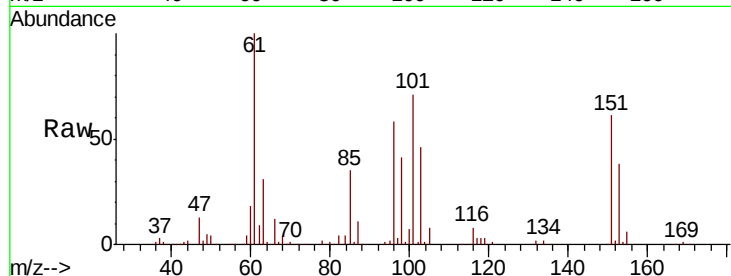


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.669 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.0	52.4
151	82.0	66.2	99.2

Manual Integrations
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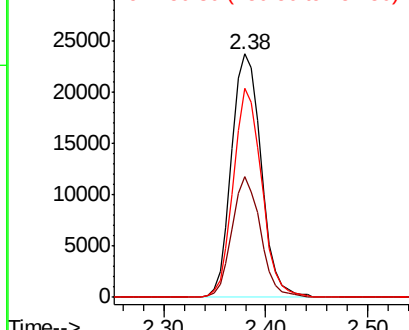


Abundance

Ion 100.90 (100.60 to 101.60): V

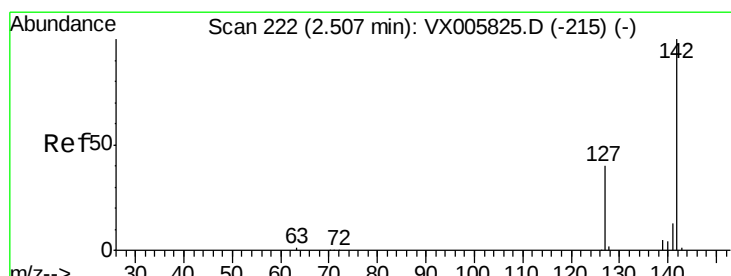
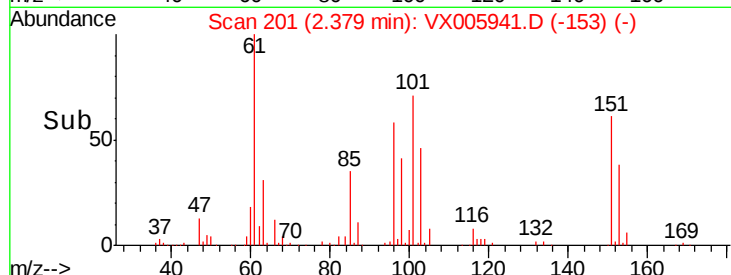
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



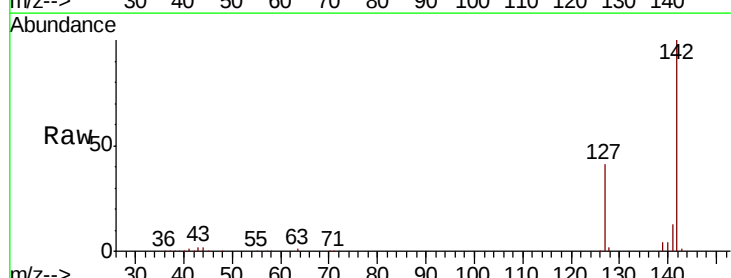
MMDadoda

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#10
 Methyl Iodide
 Concen: 50.711 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	36.0	54.0
141	13.3	11.7	17.5

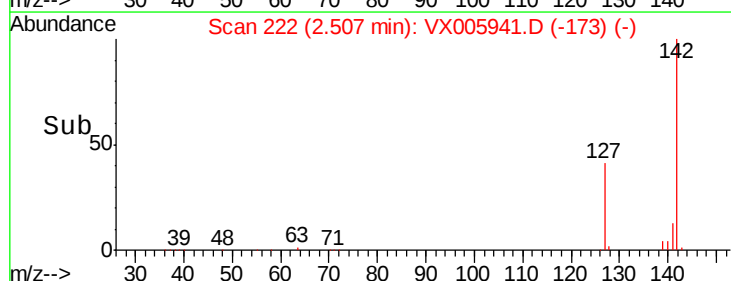
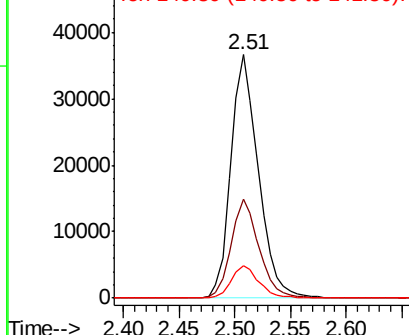


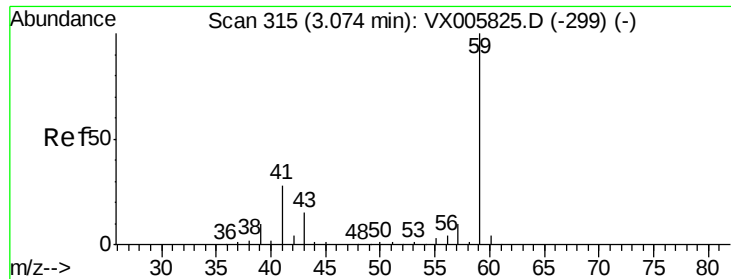
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



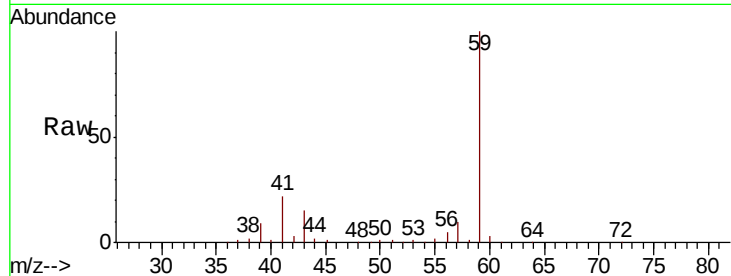


#11
Tert butyl alcohol
Concen: 221.426 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

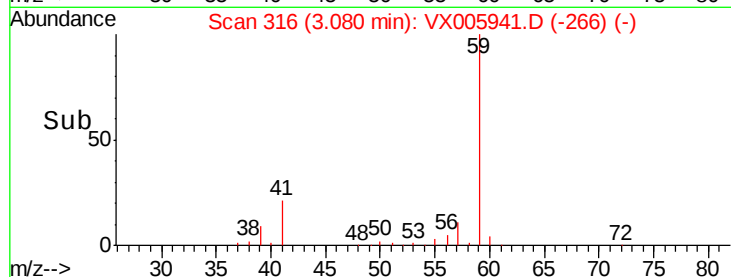
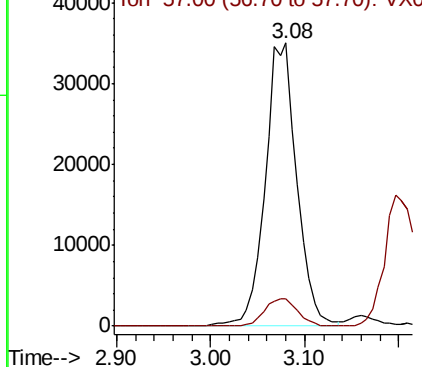
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 82162
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

Manual Integrations
APPROVED

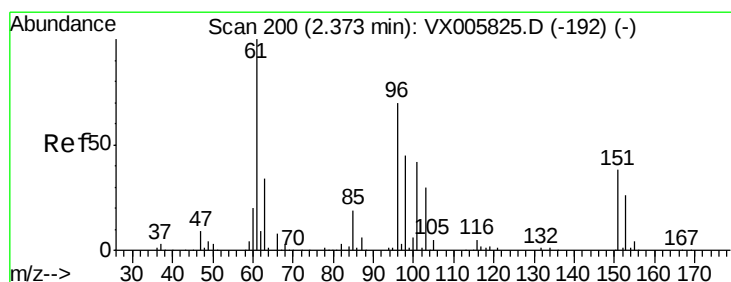


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



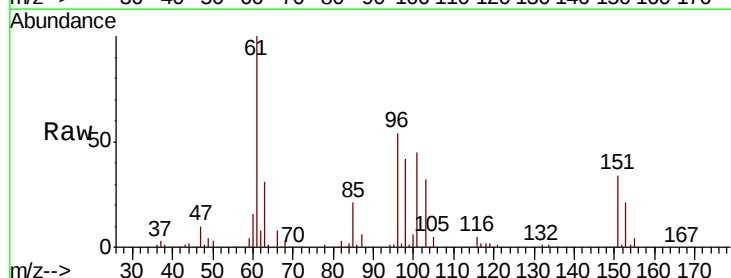
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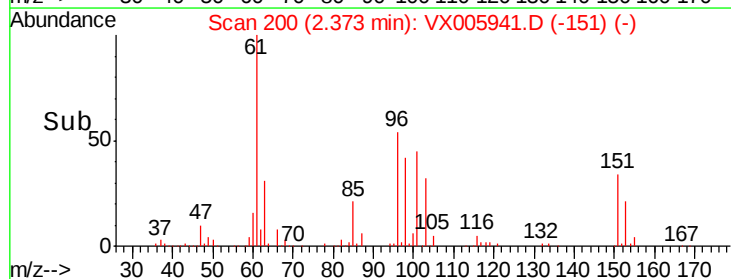
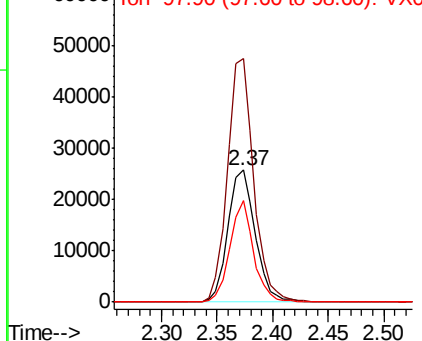


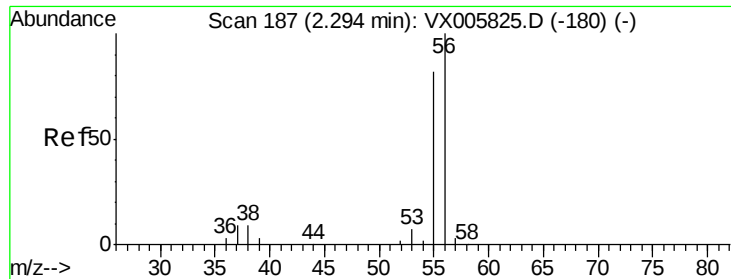
#12
1,1-Dichloroethene
Concen: 43.754 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion: 96 Resp: 43574
Ion Ratio Lower Upper
96 100
61 184.7 131.8 197.8
98 76.9 53.4 80.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



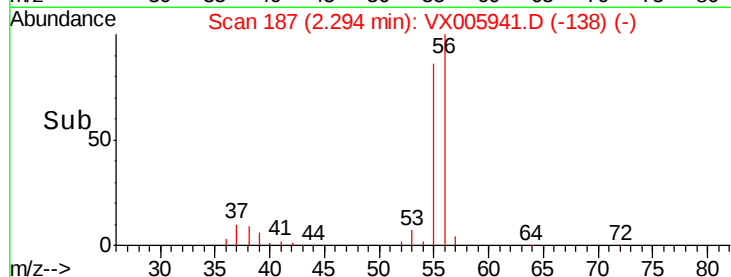
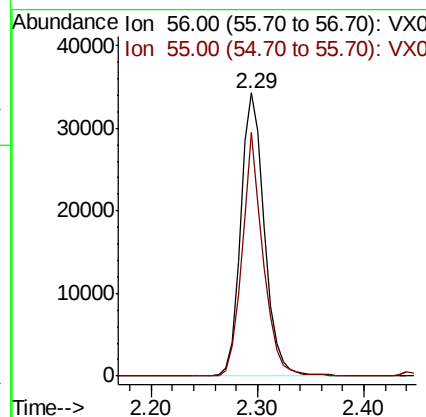
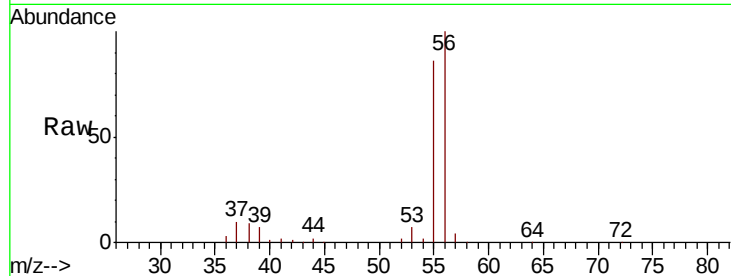


#13
Acrolein
Concen: 299.067 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

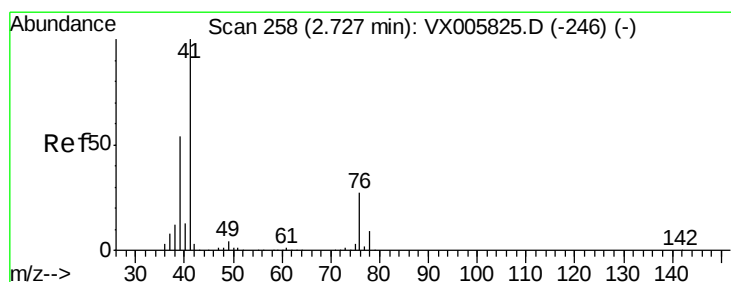
Tot Ion	Ratio	Lower	Upper
56	100		
55	76.3	57.3	85.9

Manual Integrations
APPROVED



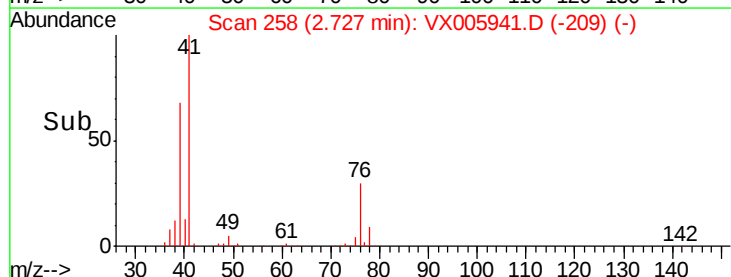
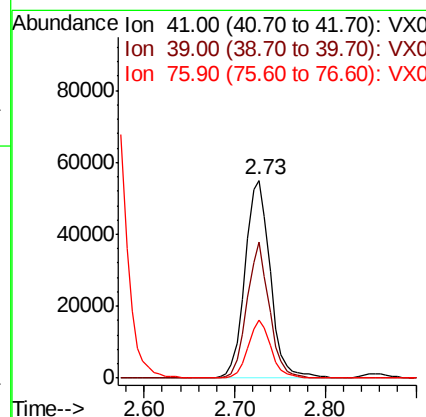
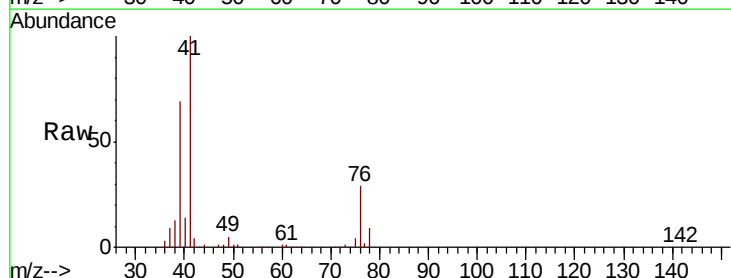
MMDadoda

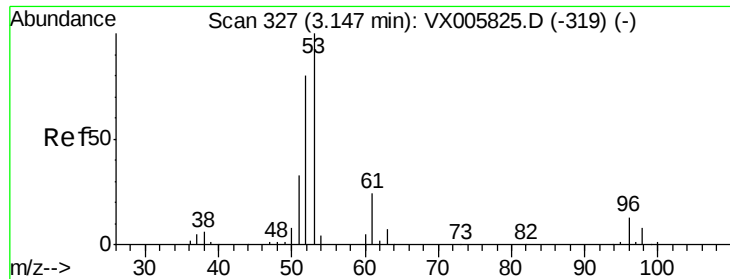
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#14
Allyl chloride
Concen: 47.580 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.4	48.2	72.4
76	26.5	21.9	32.9





#15

Acrylonitrile

Concen: 241.007 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

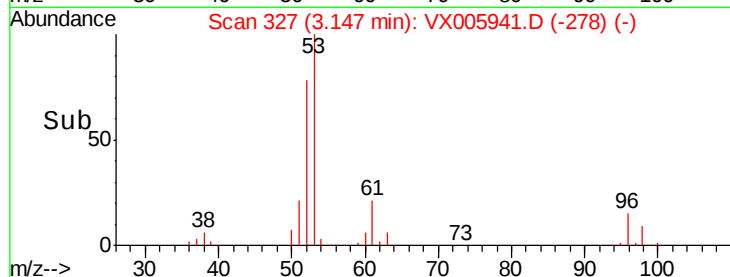
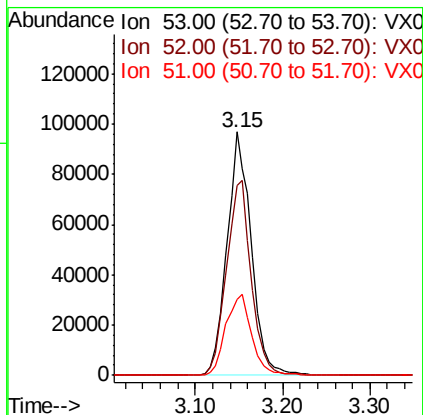
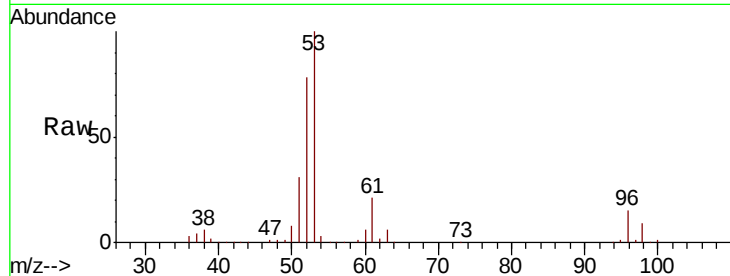
MSVOA_X

ClientSampled :

VSTDCCC050

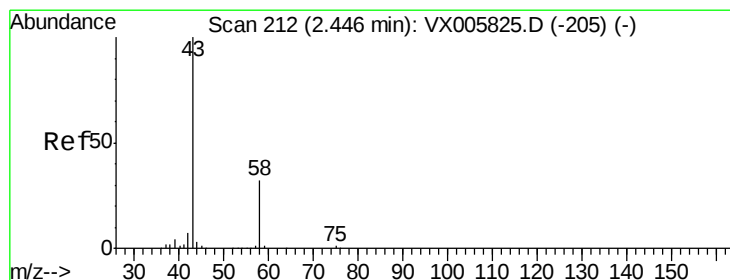
Tot Ion:	53	Resp:	185328
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.6	99.8
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 251.981 ug/l

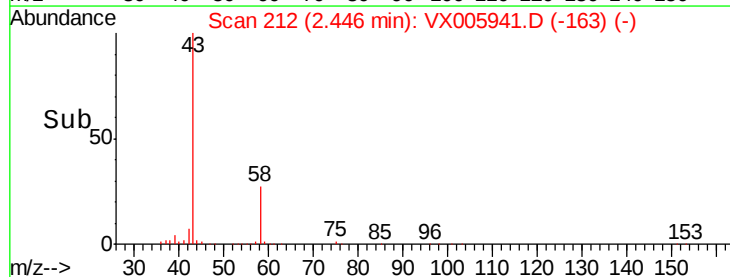
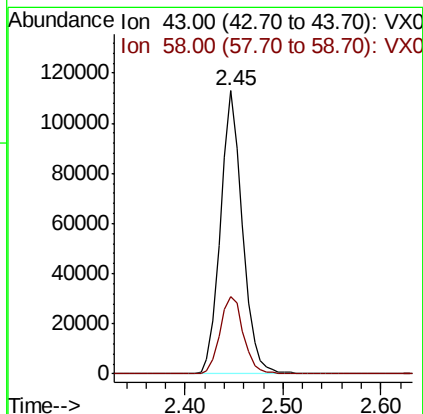
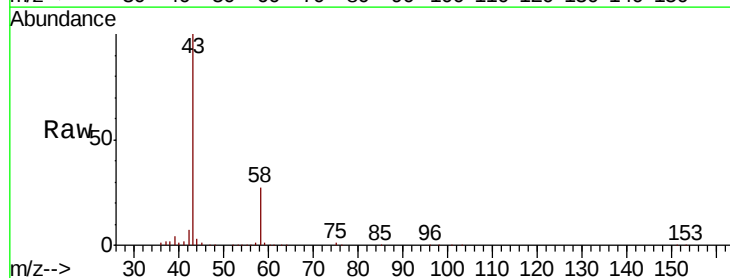
RT: 2.45 min Scan# 212

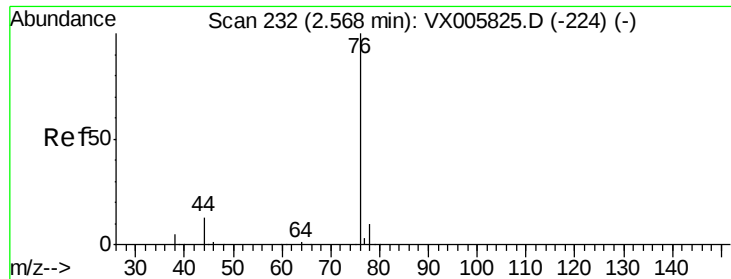
Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion:	43	Resp:	175737
Ion Ratio	Lower	Upper	
43	100		
58	27.4	23.8	35.6



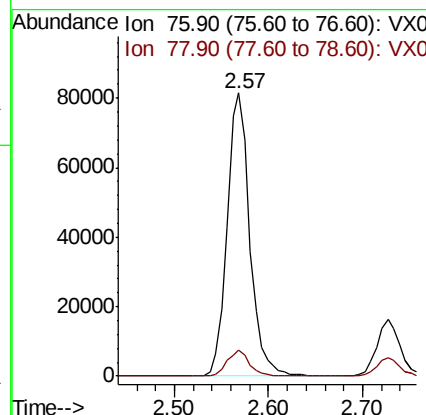
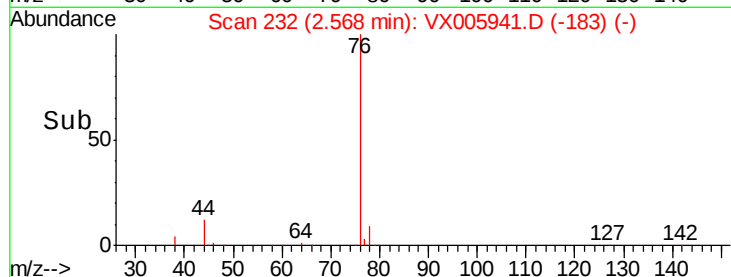
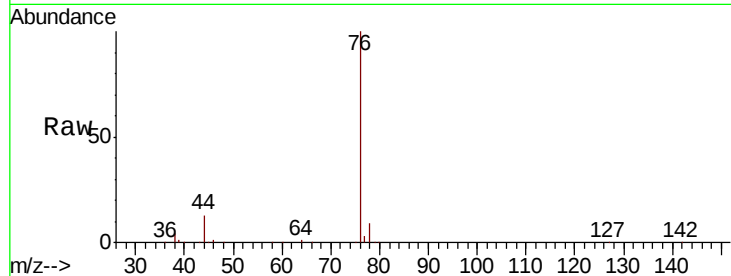


#17
Carbon Disulfide
Concen: 45.571 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

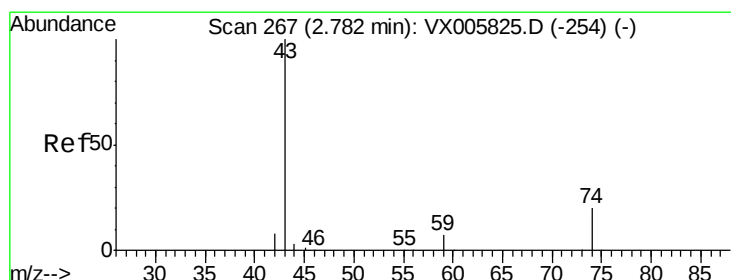
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

Manual Integrations
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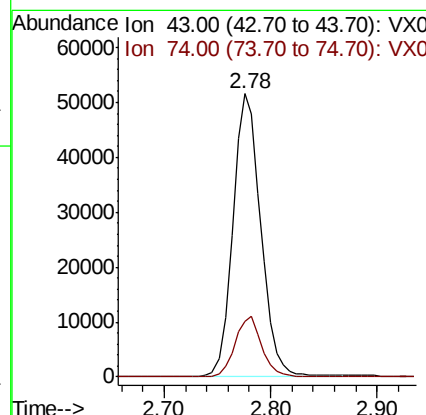
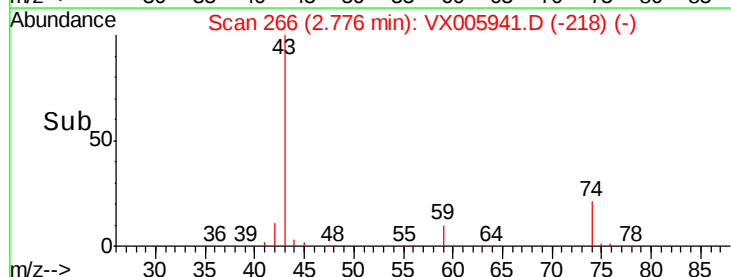
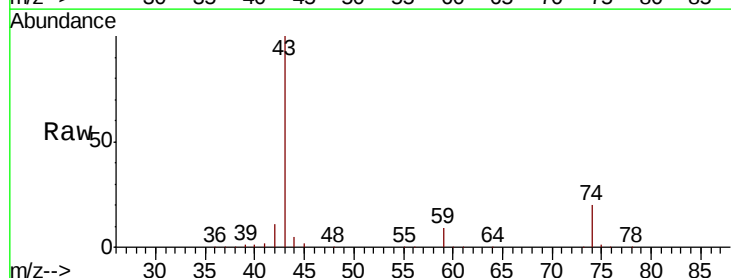
MMDadoda

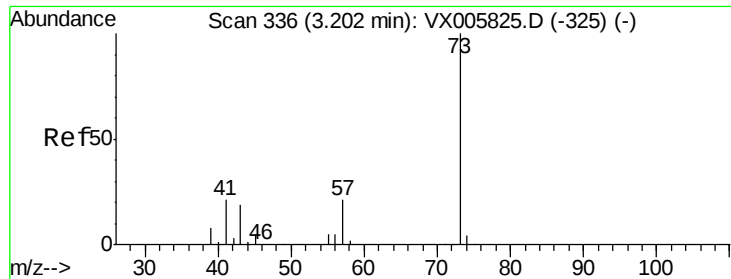
11/14/2018 9:51:17 AM



#18
Methyl Acetate
Concen: 50.271 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2



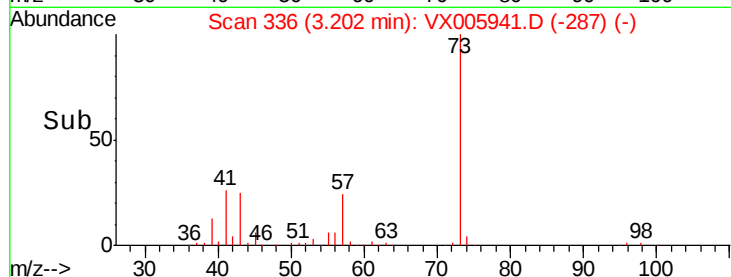
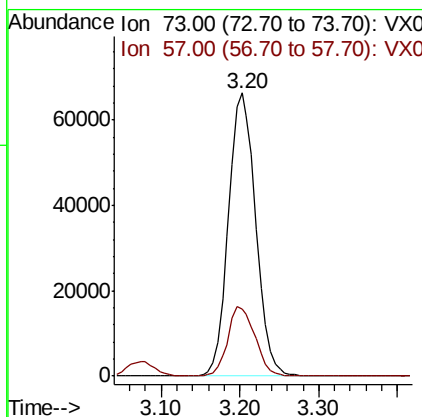
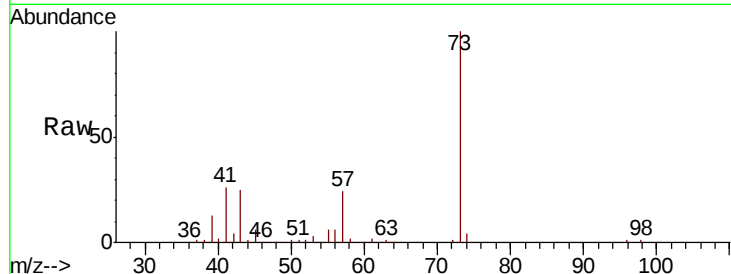


#19
Methvl tert-butvl Ether
Concen: 46.772 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

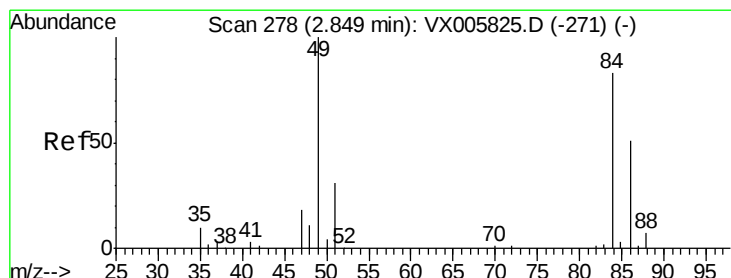
Tot Ion: 73 Resp: 158978
Ion Ratio Lower Upper
73 100
57 23.6 18.8 28.2

Manual Integrations
APPROVED



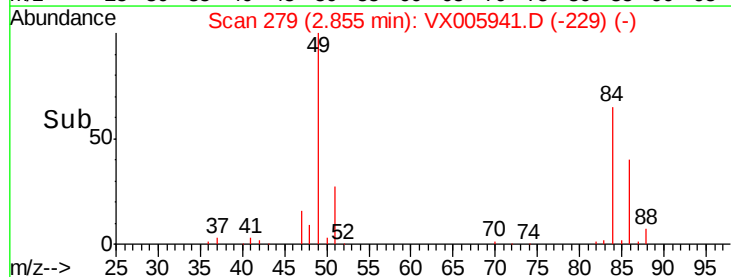
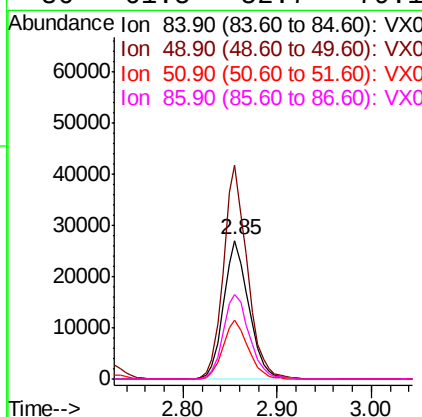
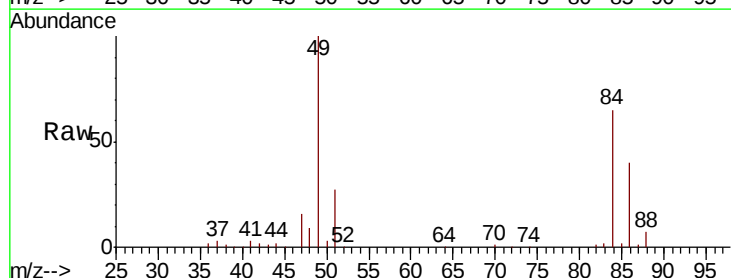
MMDadoda

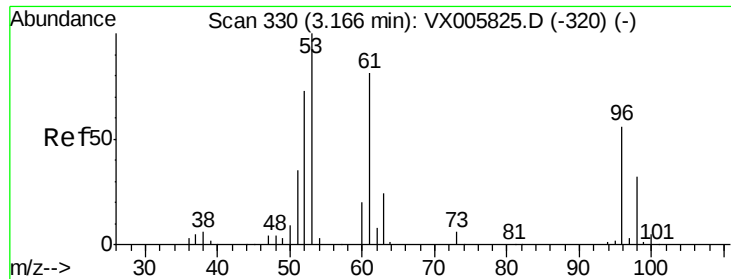
11/14/2018 9:51:17 AM



#20
Methylene Chloride
Concen: 43.737 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion: 84 Resp: 50106
Ion Ratio Lower Upper
84 100
49 154.3 109.5 164.3
51 42.4 33.3 49.9
86 61.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 46.965 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 49333

Ion Ratio Lower Upper

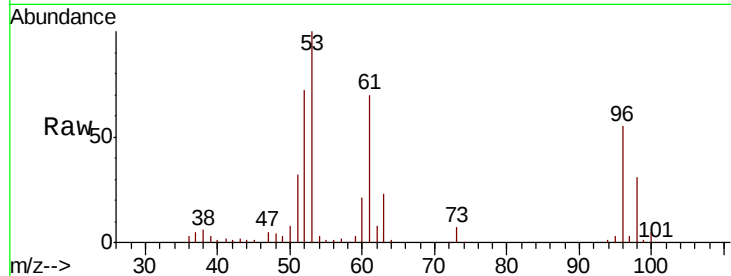
96 100

61 128.6 115.6 173.4

98 55.8 50.2 75.2

Manual Integrations

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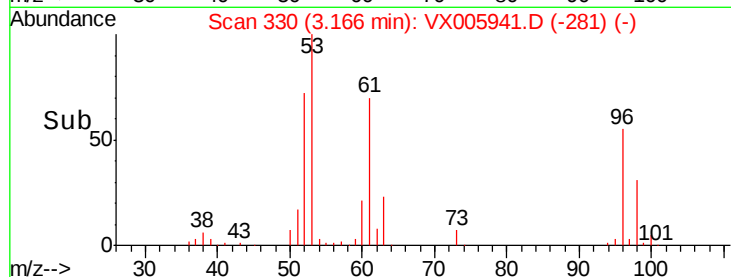
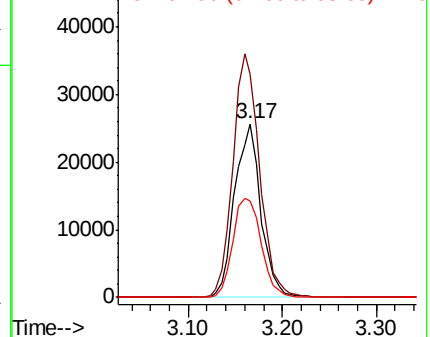


Abundance

Ion 95.90 (95.60 to 96.60): VX0

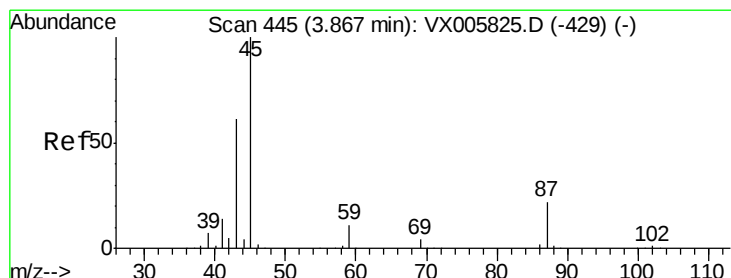
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



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#22

Diisopropyl ether

Concen: 48.846 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion: 45 Resp: 190320

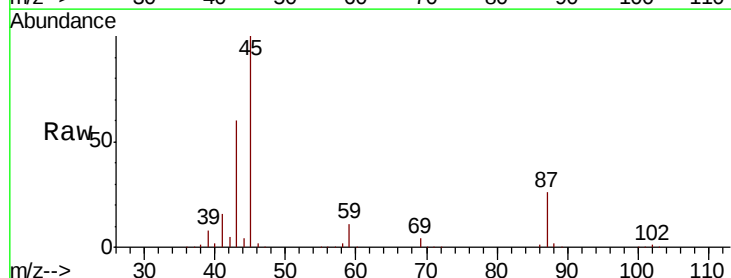
Ion Ratio Lower Upper

45 100

43 59.8 47.4 71.2

87 26.1 15.9 23.9#

59 11.4 7.7 11.5



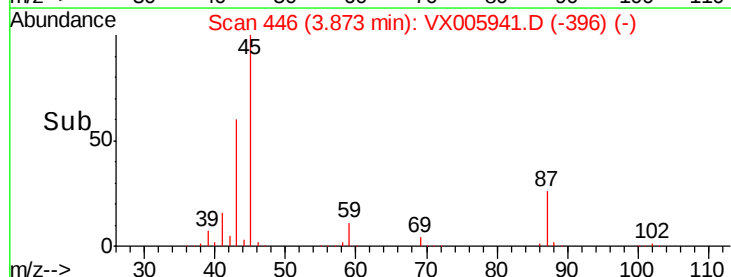
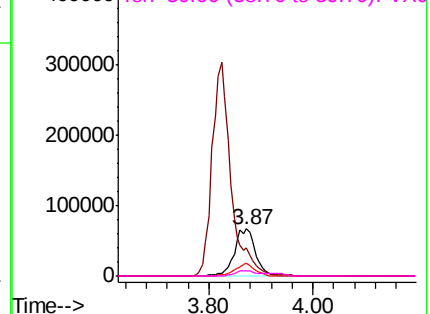
Abundance

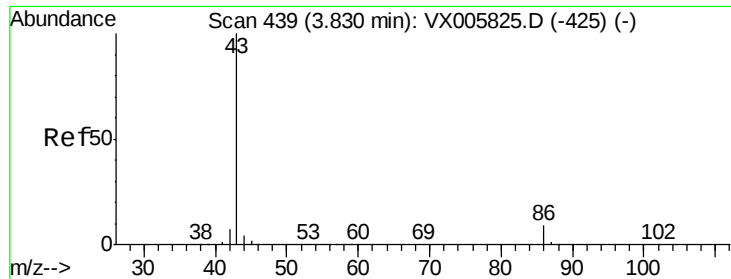
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 229.590 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

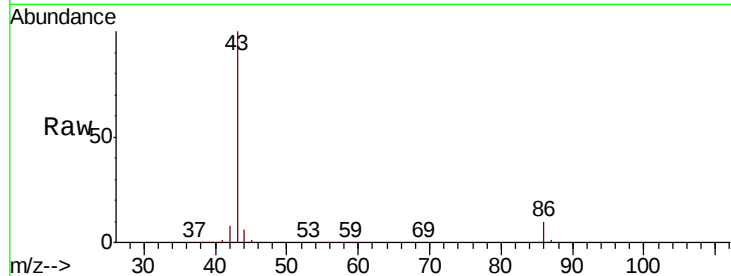
Tot Ion: 43 Resp: 767010

Ion Ratio Lower Upper

43 100

86 10.3 7.4 11.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

300000

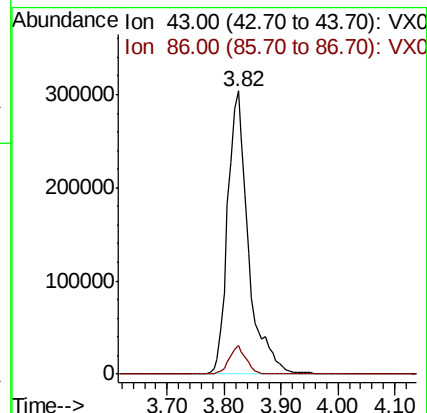
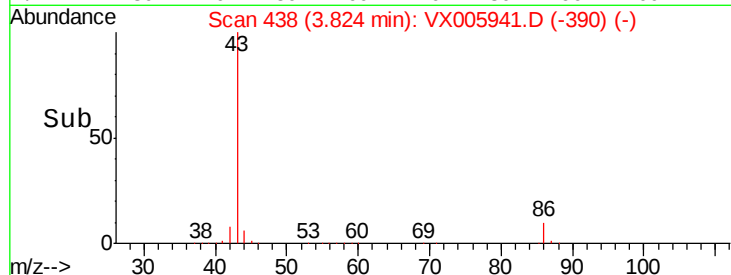
200000

100000

0

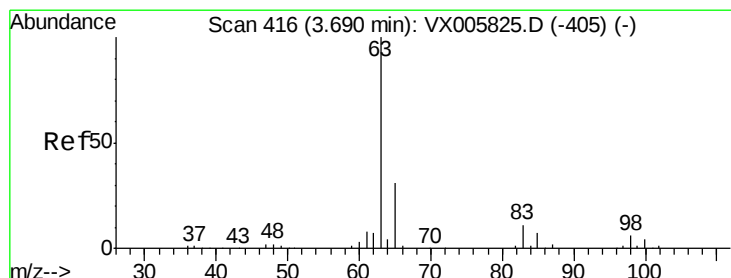
3.70 3.80 3.90 4.00 4.10

Time-->



MMDadoda

11/14/2018 9:51:17 AM



#24

1,1-Dichloroethane

Concen: 46.581 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

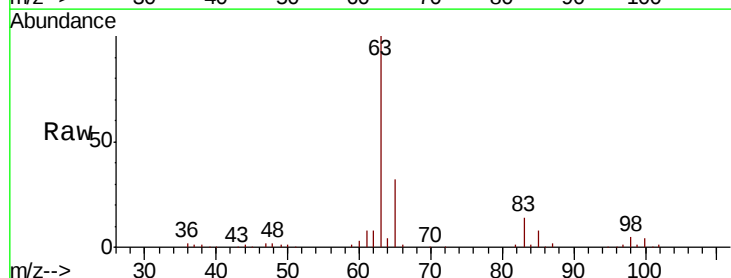
Tgt Ion: 63 Resp: 96832

Ion Ratio Lower Upper

63 100

98 5.3 3.2 9.6

100 4.2 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX005825.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX005825.D (-405) (-)

50000

40000

30000

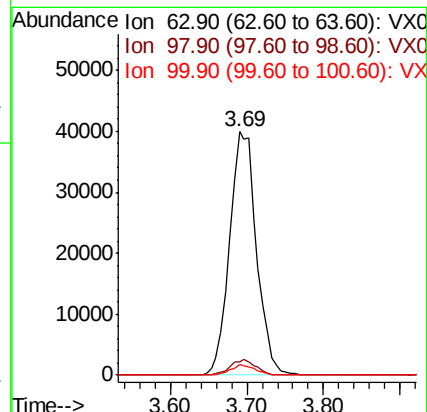
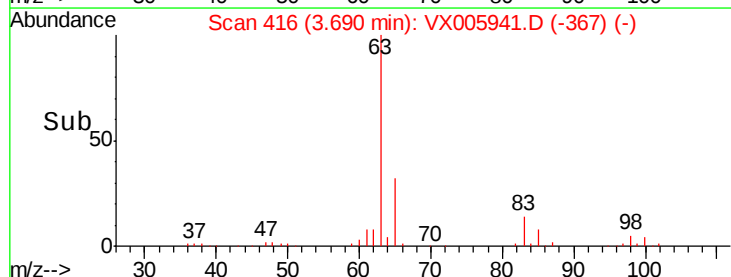
20000

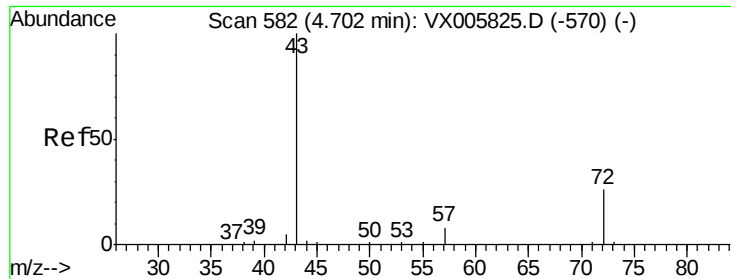
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 234.049 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 256625

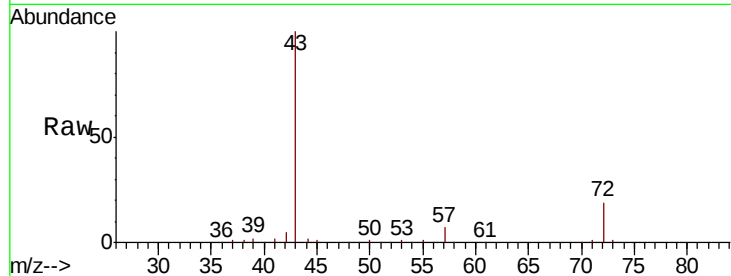
Ion Ratio Lower Upper

43 100

72 18.8 19.2 28.8#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

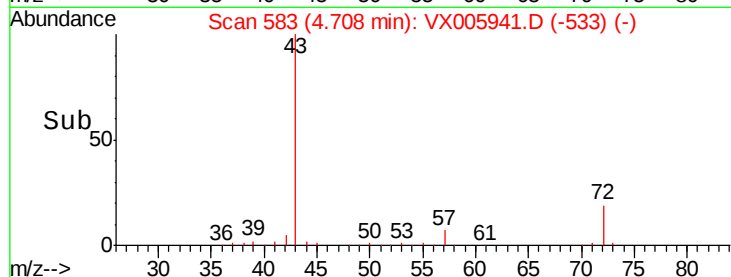
40000

20000

0

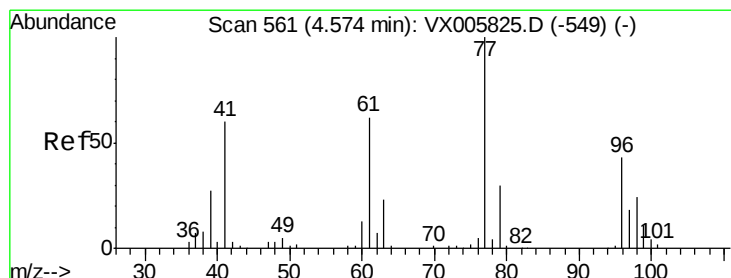
4.60 4.70 4.80

Time-->



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#26

2,2-Dichloropropane

Concen: 50.732 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005941.D

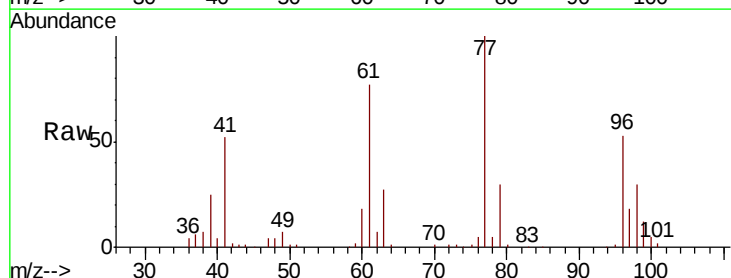
Acq: 13 Nov 2018 11:27

Tgt Ion: 77 Resp: 77361

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

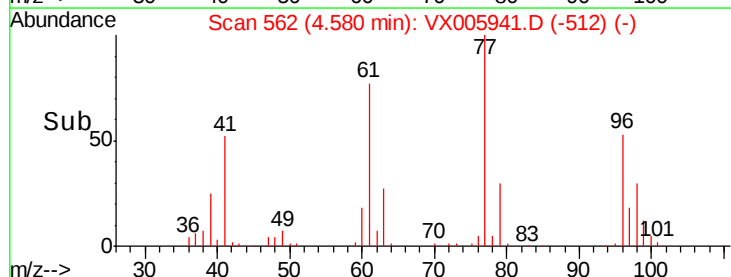
10000

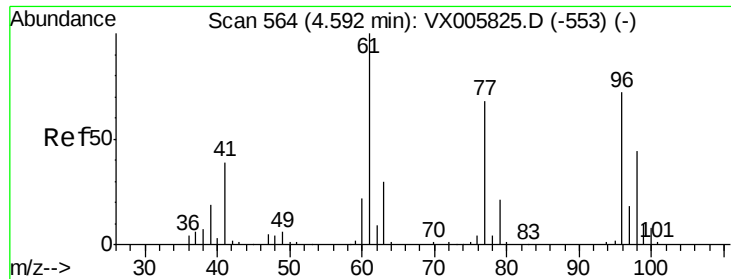
5000

0

4.50 4.60 4.70

Time-->





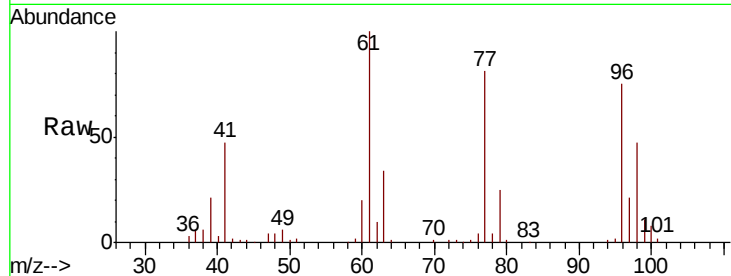
#27

cis-1,2-Dichloroethene
Concen: 48.004 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

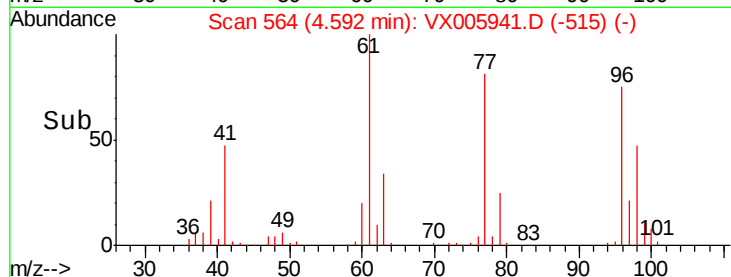
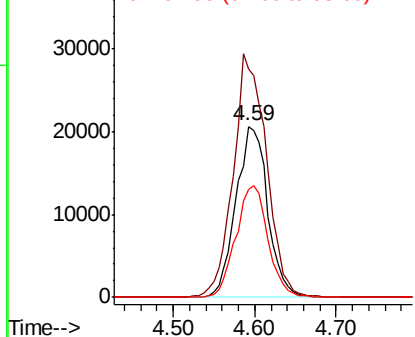
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	304.6
98	66.0	0.0	127.4

Manual Integrations
APPROVED

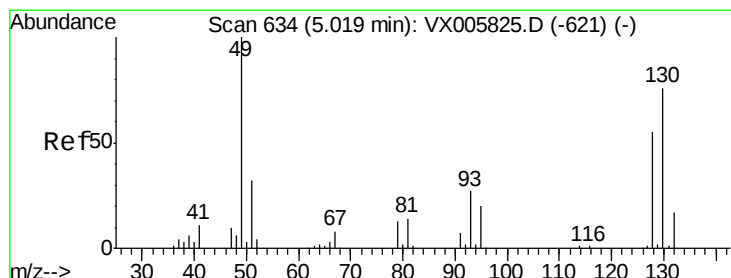


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



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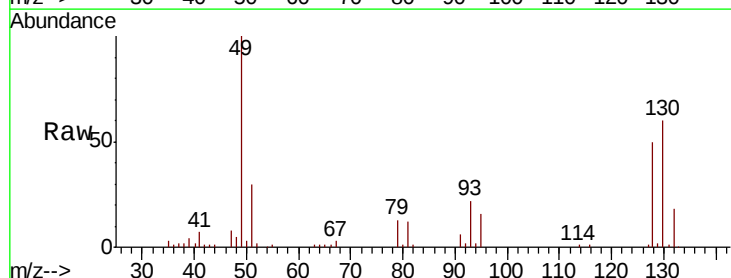
11/14/2018 9:51:17 AM



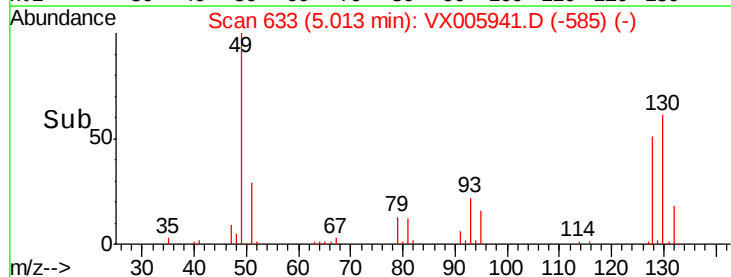
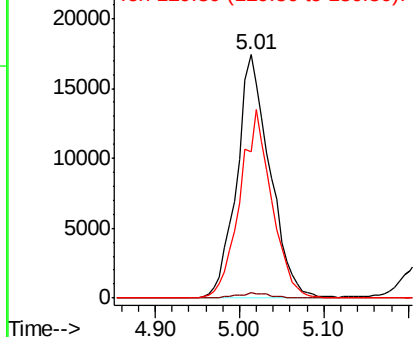
#28

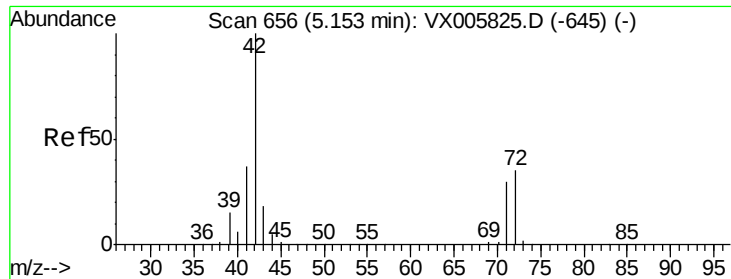
Bromochloromethane
Concen: 49.818 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	74.6	58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



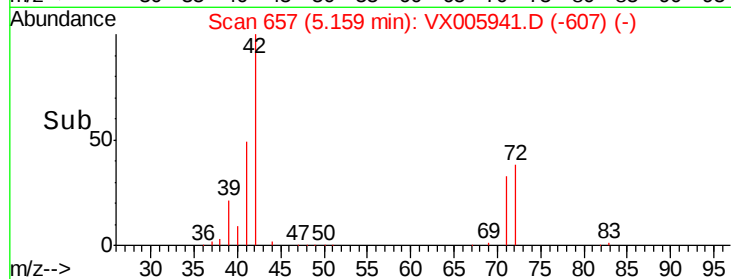
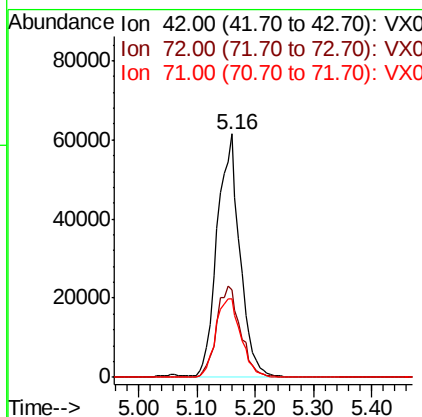
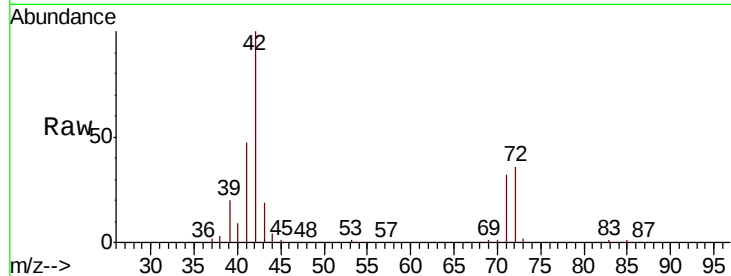


#29
Tetrahydrofuran
Concen: 236.240 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

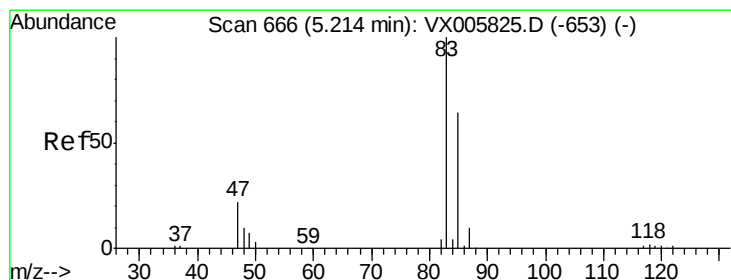
Tot Ion:	42	Resp:	166315
Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.0	48.0
71	35.9	29.8	44.8

Manual Integrations
APPROVED



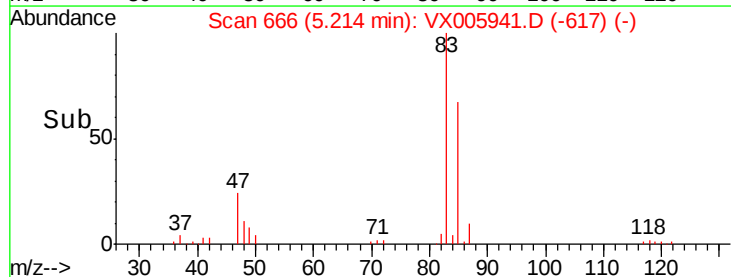
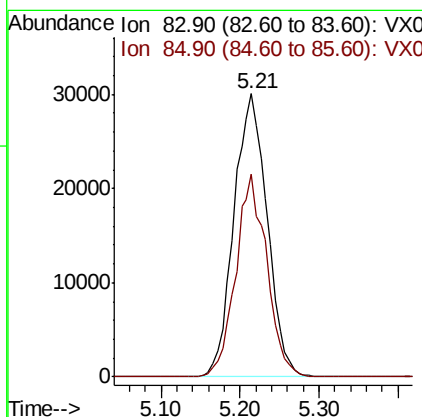
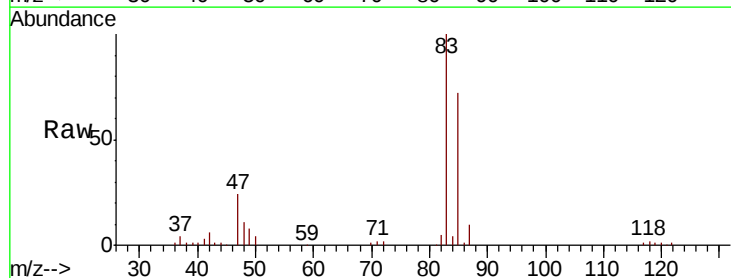
MMDadoda

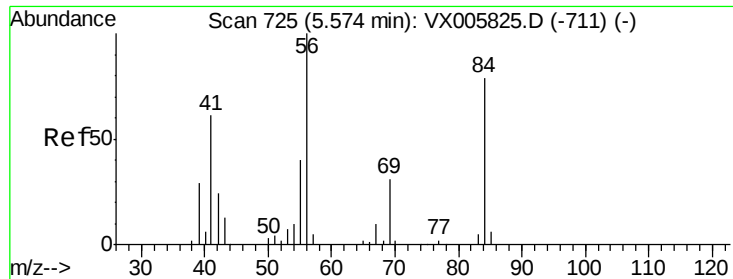
11/14/2018 9:51:17 AM



#30
Chloroform
Concen: 43.890 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion:	83	Resp:	88023
Ion	Ratio	Lower	Upper
83	100		
85	71.7	50.6	76.0



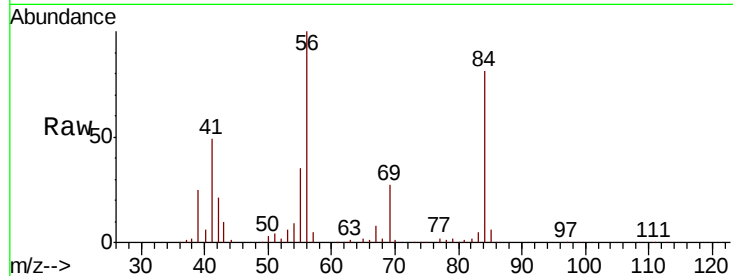


#31
Cyclohexane
Concen: 47.460 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

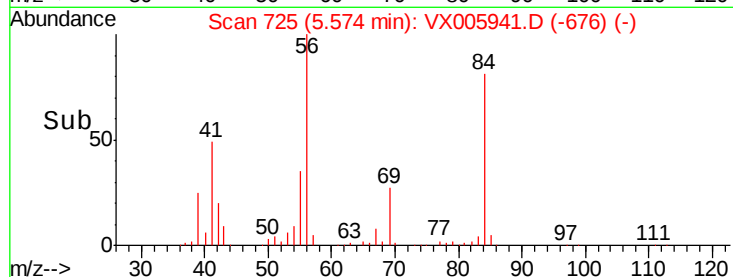
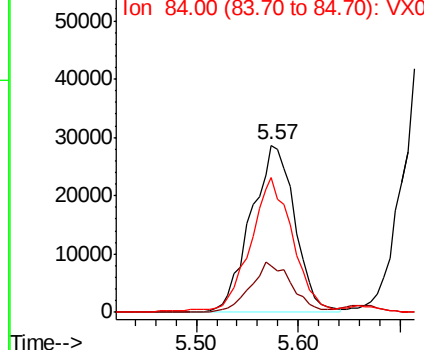
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	22.6	34.0
84	79.3	62.7	94.1

Manual Integrations
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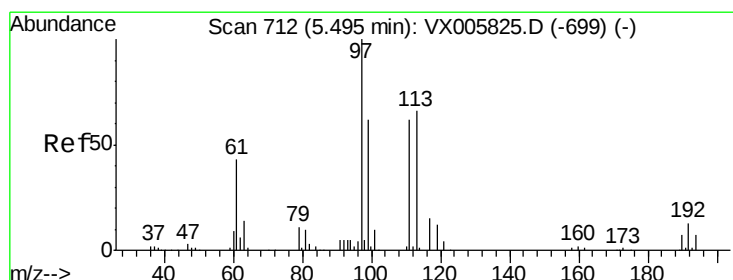


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



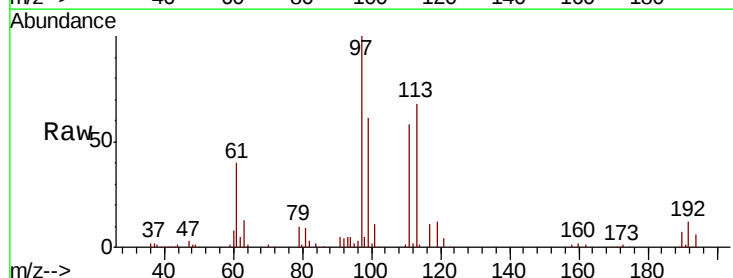
MMDadoda

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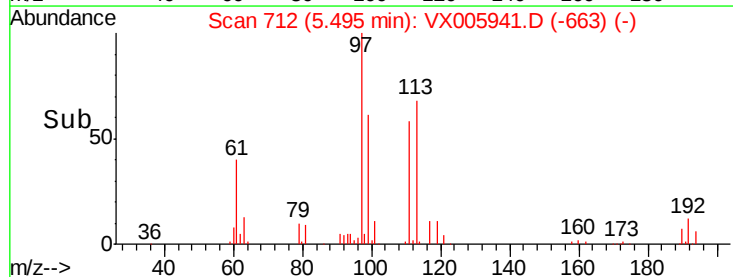
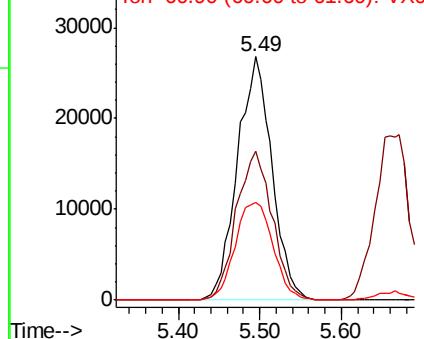


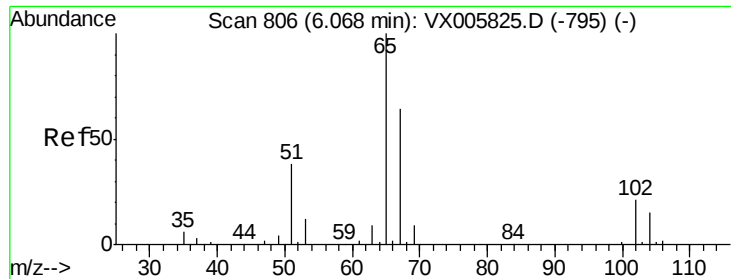
#32
1,1,1-Trichloroethane
Concen: 47.068 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	44.2	35.2	52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



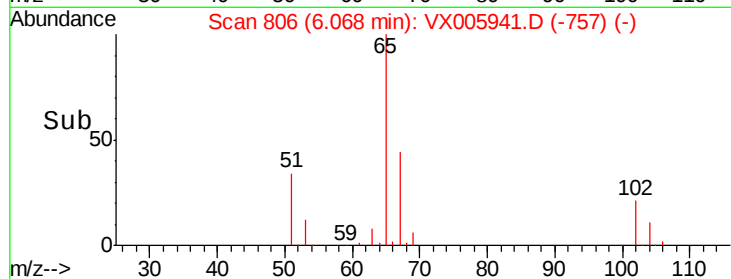
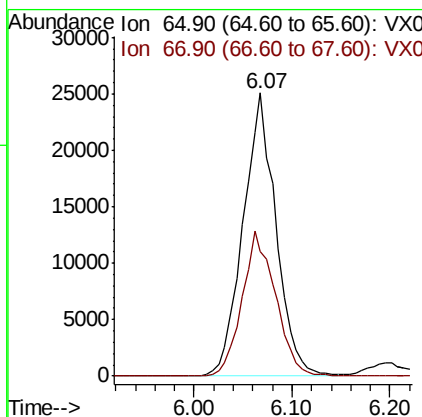
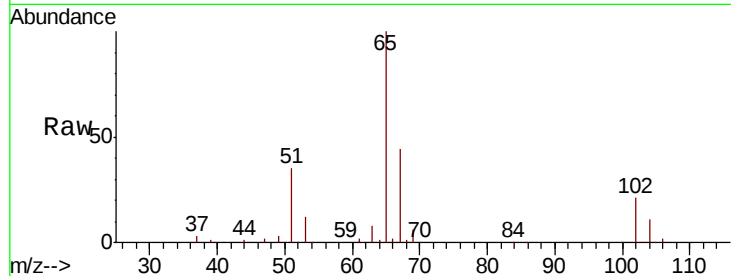


#33
 1,2-Dichloroethane-d4
 Concen: 45.217 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

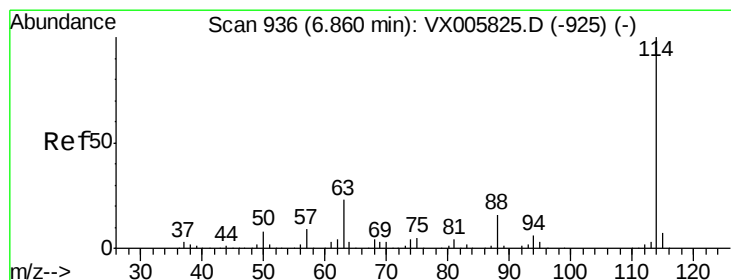
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.0

Manual Integrations
 APPROVED



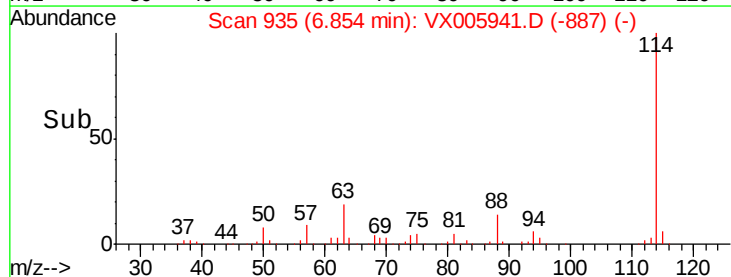
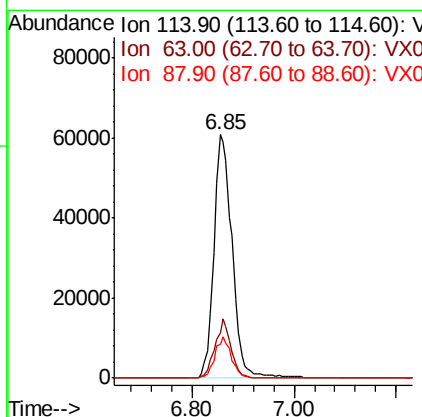
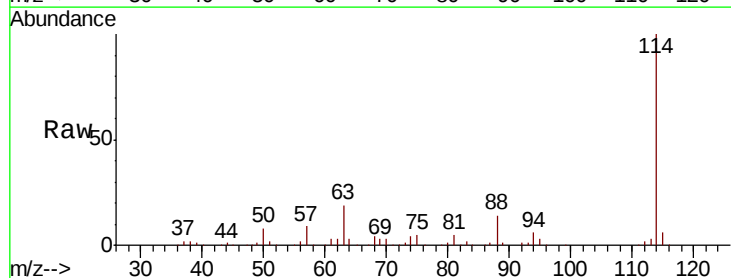
MMDadoda

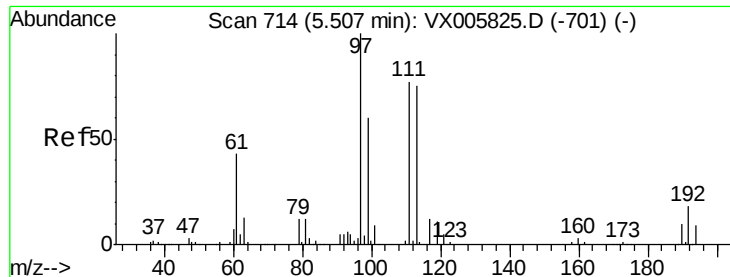
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.8
88	13.7	0.0	31.2



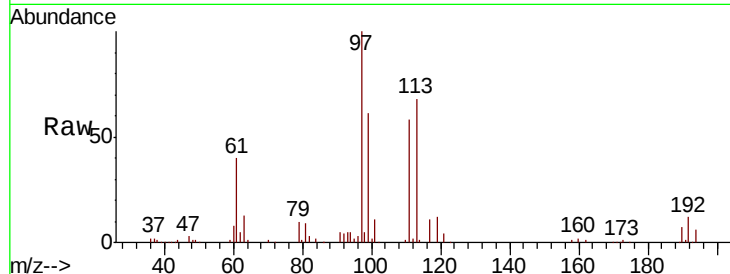


#35
Dibromofluoromethane
Concen: 46.075 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.3	123.5
192	22.7	17.9	26.9

Manual Integrations
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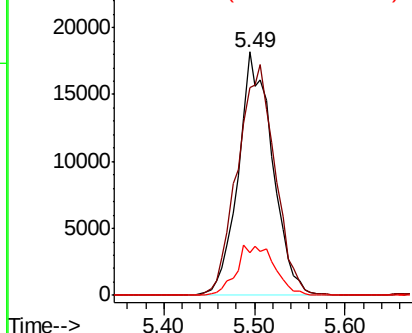


Abundance

Ion 112.80 (112.50 to 113.50): V

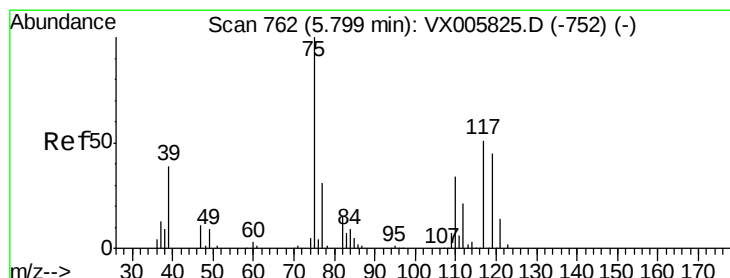
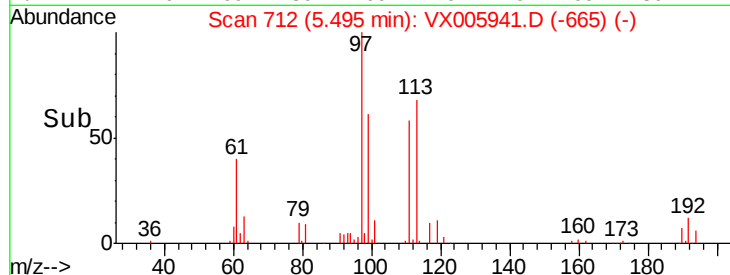
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



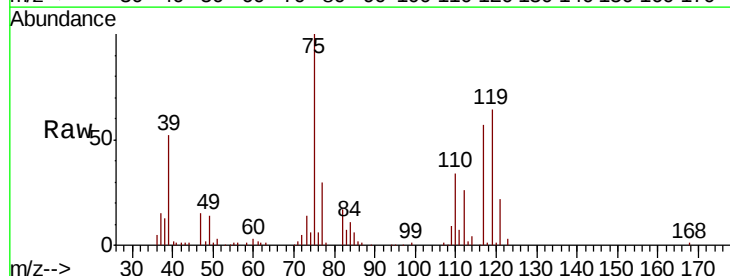
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#36
1,1-Dichloropropene
Concen: 46.289 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	30.3	25.8	38.6

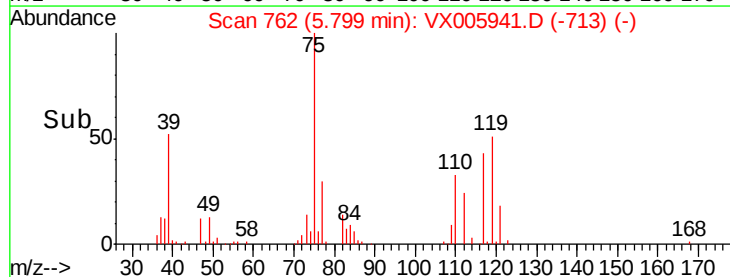
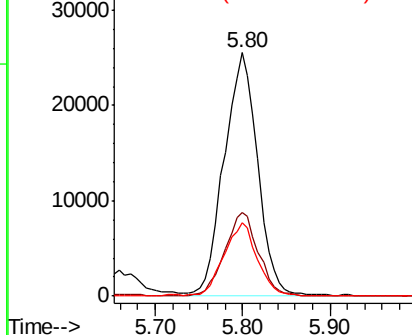


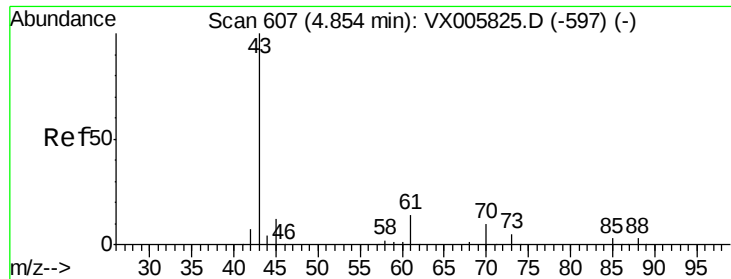
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



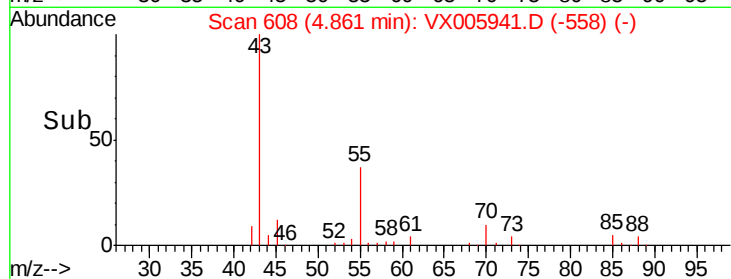
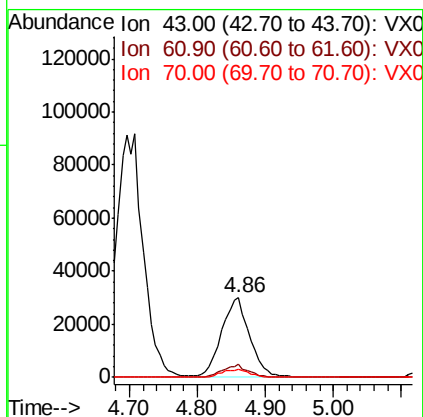
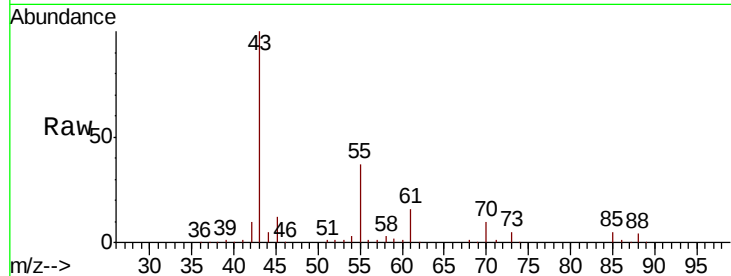


#37
Ethyl Acetate
Concen: 44.870 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

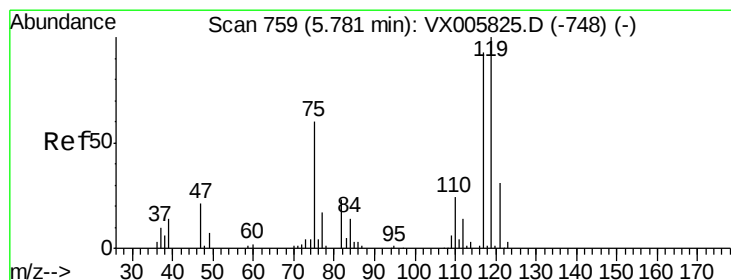
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.8	16.2
70	10.1	7.8	11.8

Manual Integrations
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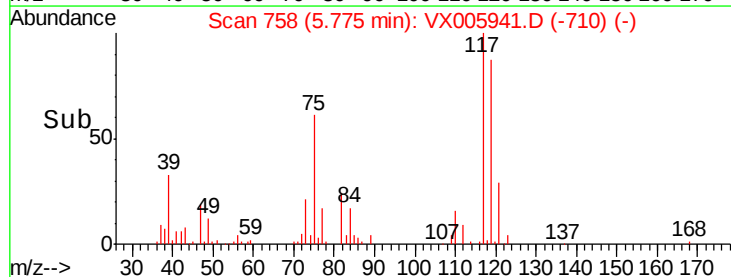
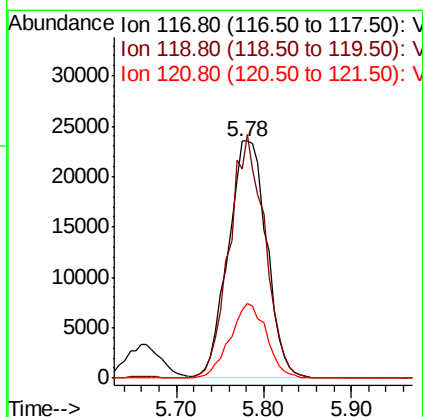
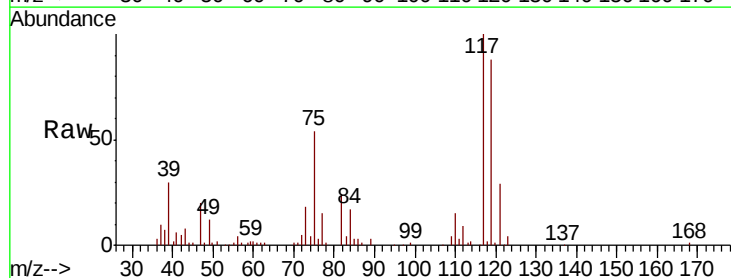
MMDadoda

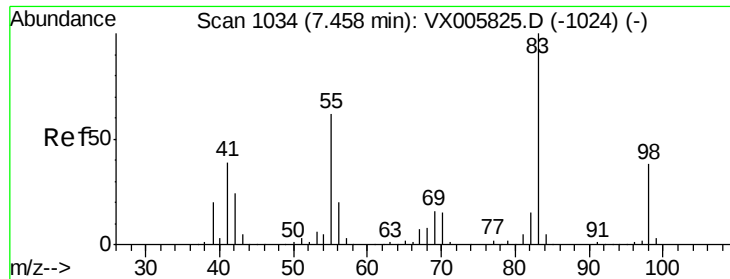
11/14/2018 9:51:17 AM



#38
Carbon Tetrachloride
Concen: 49.297 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	78.1	117.1
121	29.0	24.6	36.8



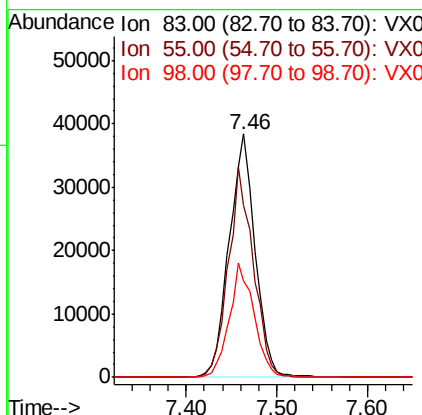
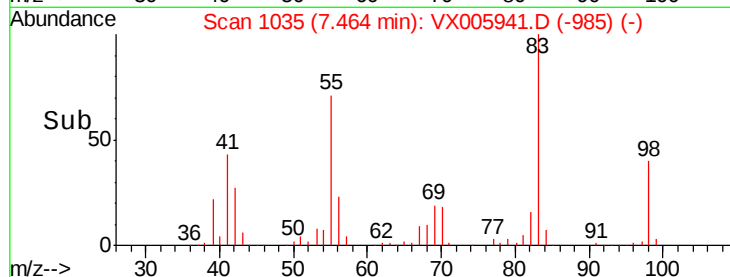
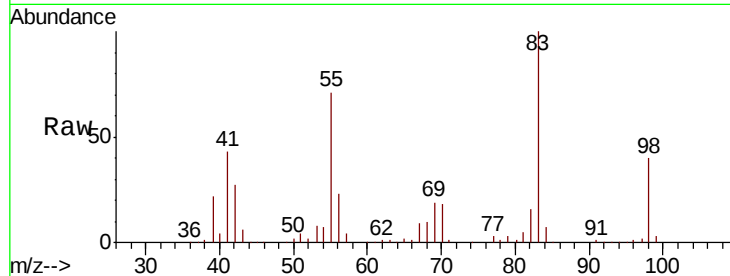


#39
Methvlcvclohexane
Concen: 51.864 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

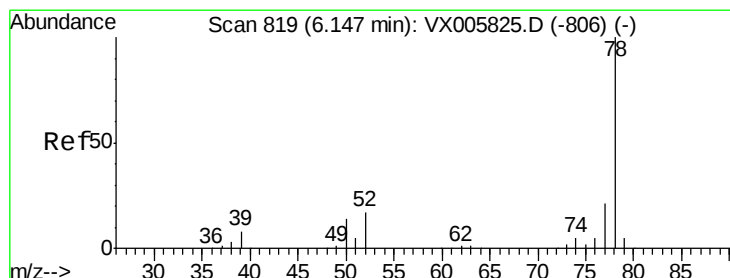
Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	63.7	95.5
98	39.7	36.2	54.2

Manual Integrations
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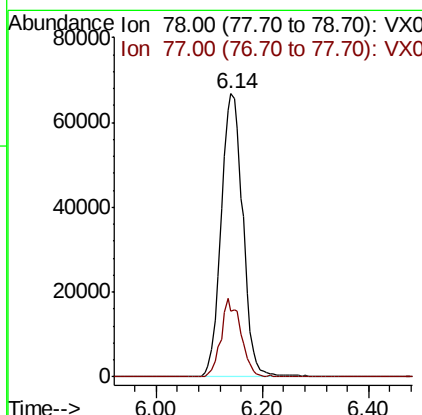
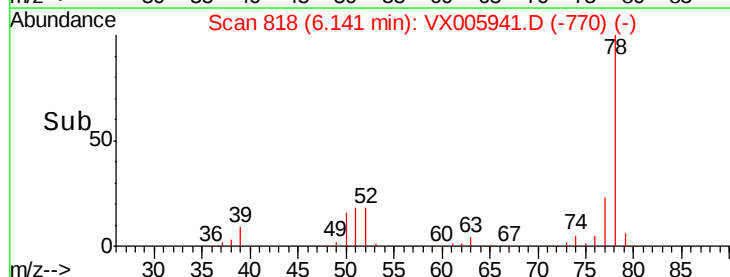
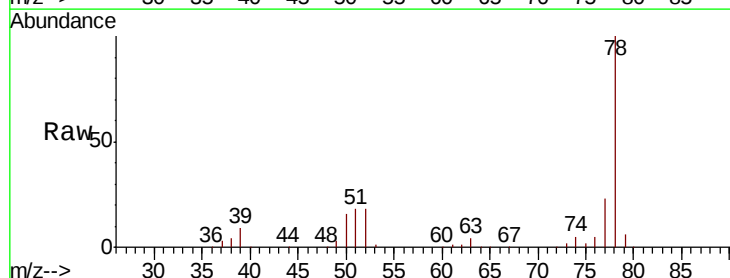
MMDadoda

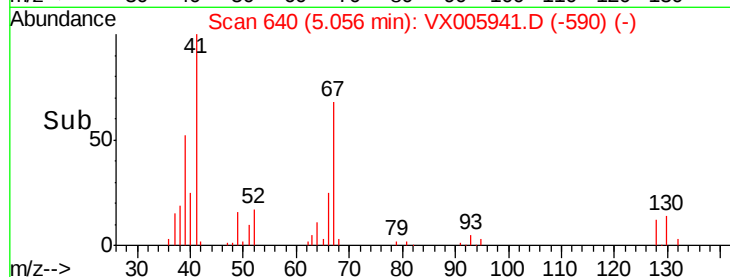
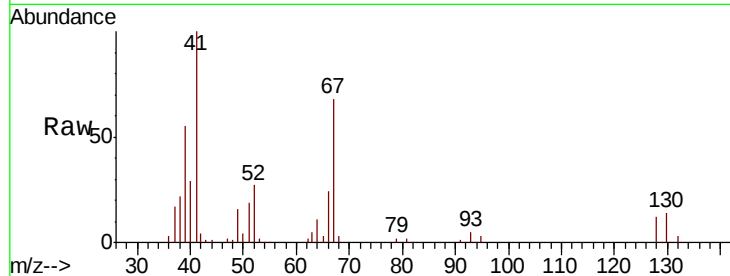
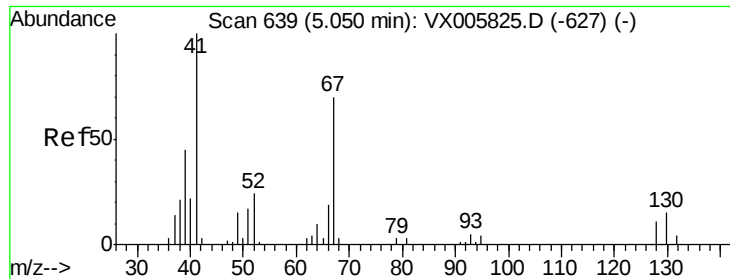
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#40
Benzene
Concen: 45.093 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

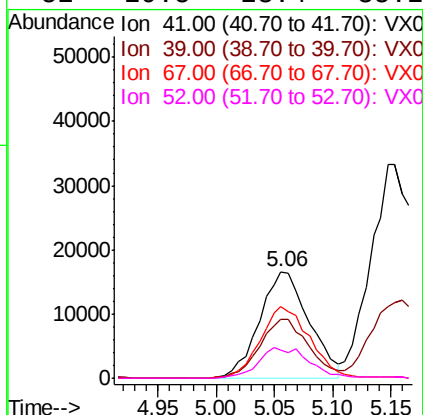
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





#41
Methacrylonitrile
Concen: 47.273 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	48925		
39	39	54.4		42.2	63.2
67	67	67.0		53.4	80.0
52	52	29.5		23.4	35.2

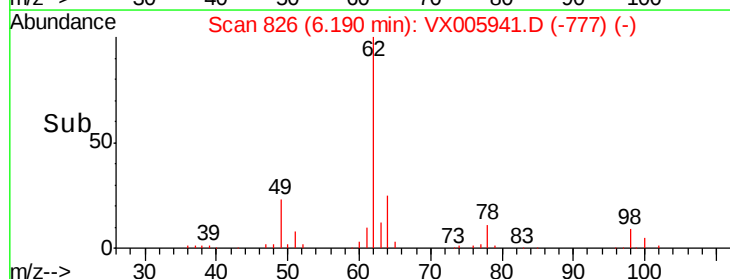
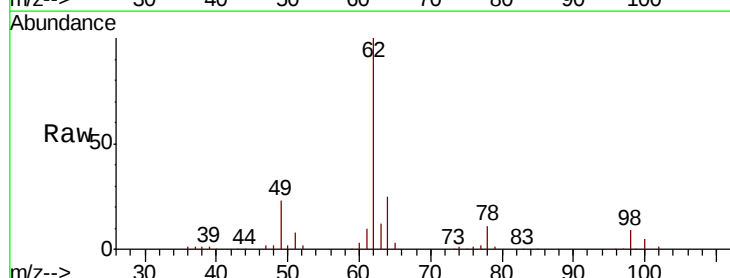
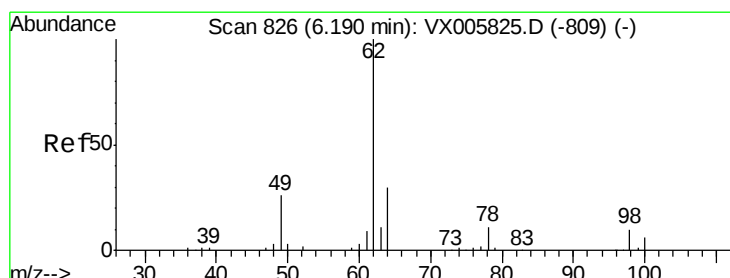


Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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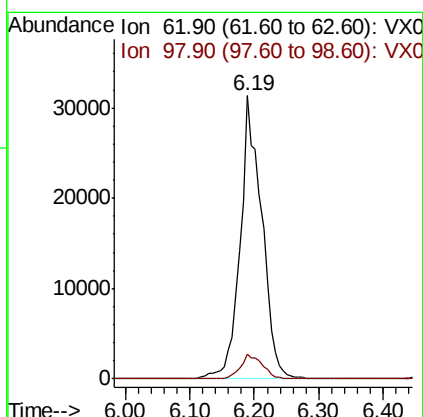
MMDadoda

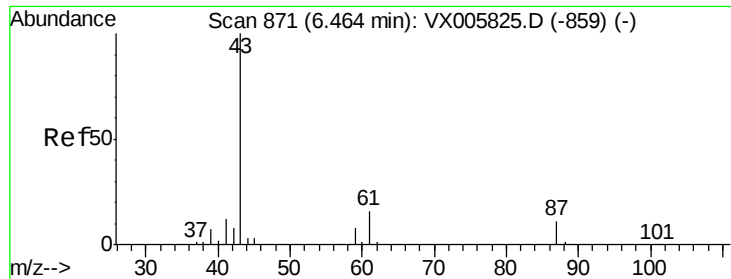
11/14/2018 9:51:17 AM



#42
1,2-Dichloroethane
Concen: 47.625 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	72430		
98	98	8.7		0.0	17.8





#43

Isopropyl Acetate

Concen: 45.937 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

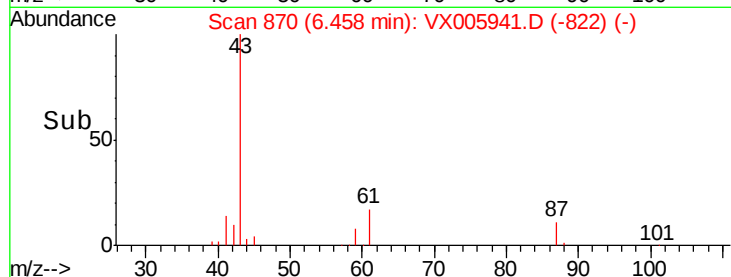
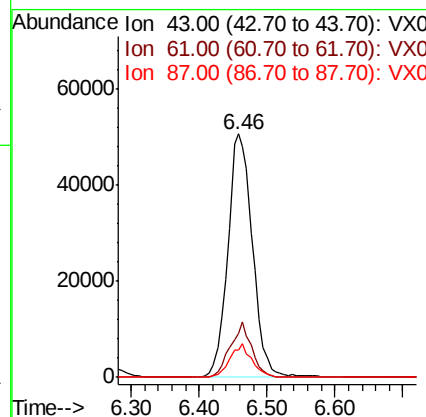
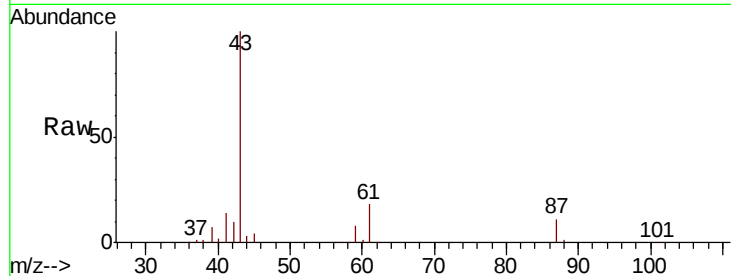
MSVOA_X

ClientSampleId :

VSTDCCC050

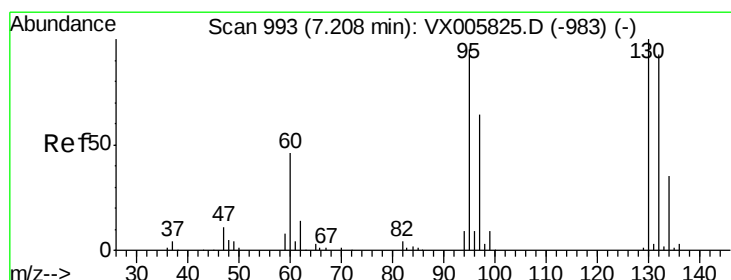
Tot Ion:	43	Resp:	127493
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.6	22.0
87	12.2	9.6	14.4

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#44

Trichloroethene

Concen: 46.989 ug/l

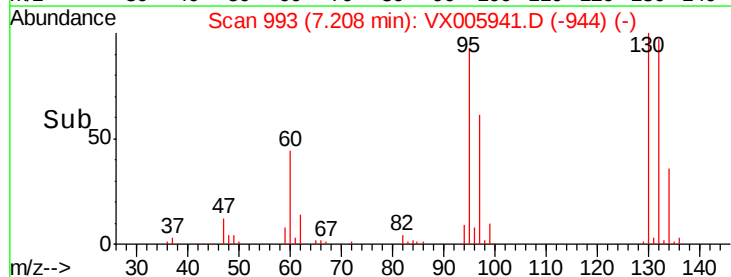
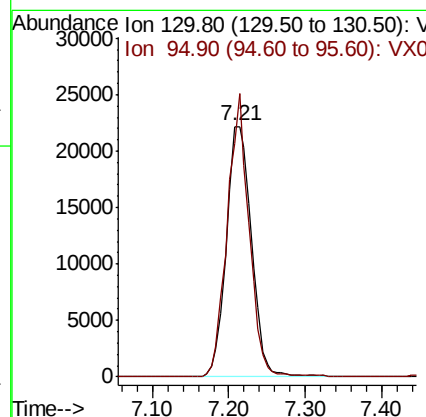
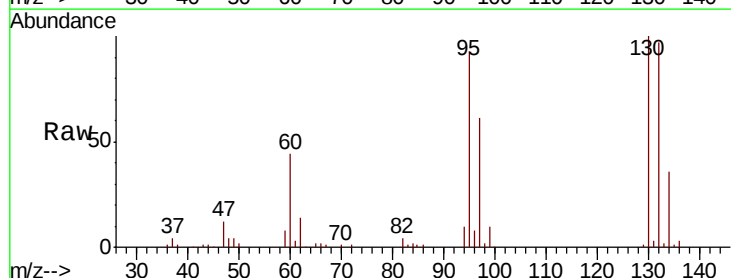
RT: 7.21 min Scan# 993

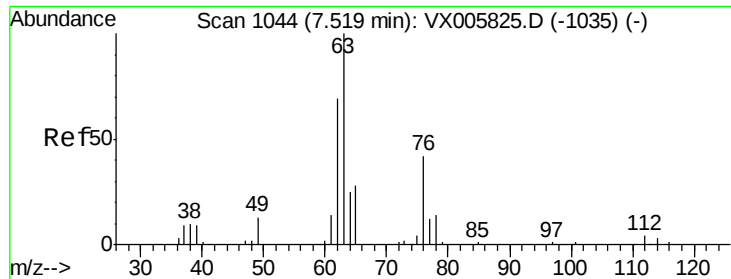
Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion:	130	Resp:	50669
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	194.2



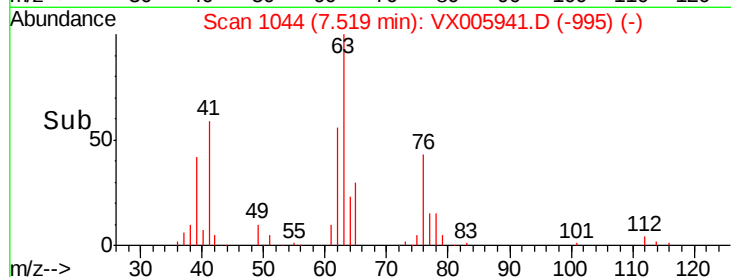
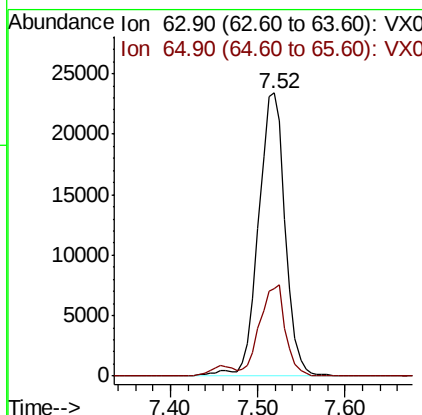
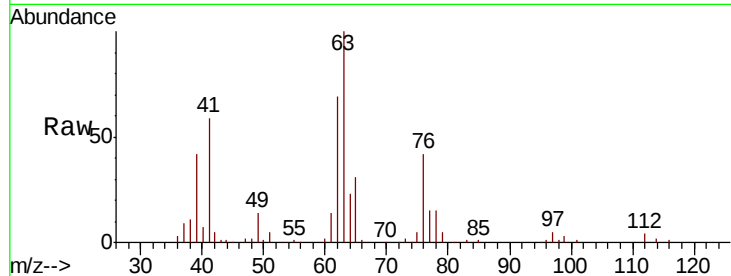


#45
 1,2-Dichloropropane
 Concen: 48.402 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

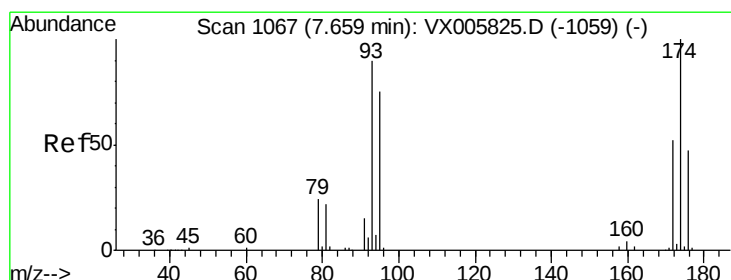
Tot Ion: 63 Resp: 49883
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2

Manual Integrations
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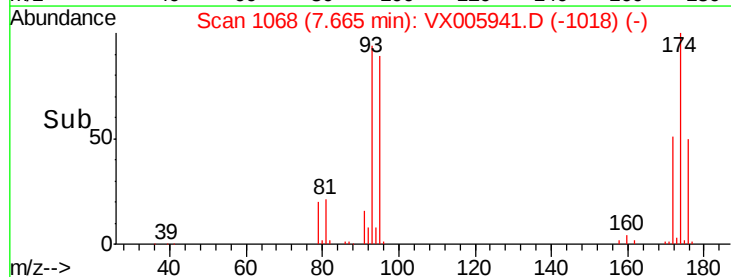
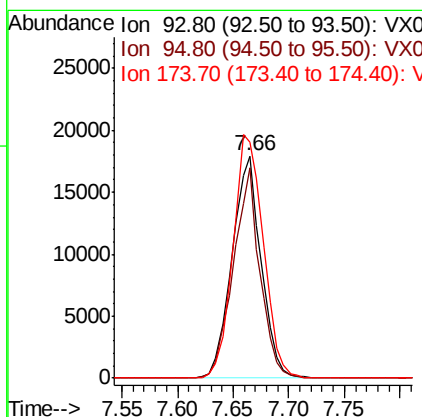
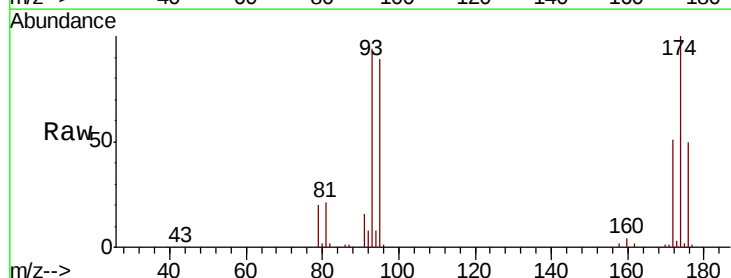
MMDadoda

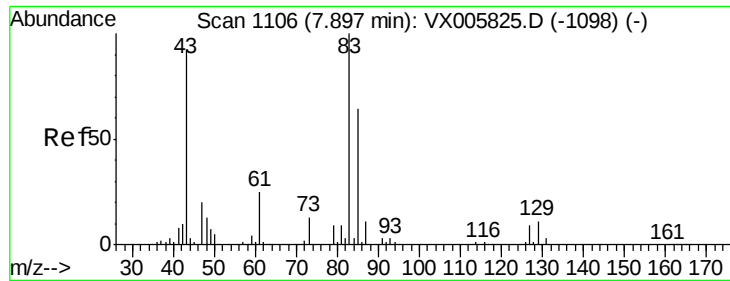
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#46
 Dibromomethane
 Concen: 50.035 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion: 93 Resp: 32358
 Ion Ratio Lower Upper
 93 100
 95 86.8 67.4 101.0
 174 114.4 91.5 137.3





#47

Bromodichloromethane

Concen: 53.884 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

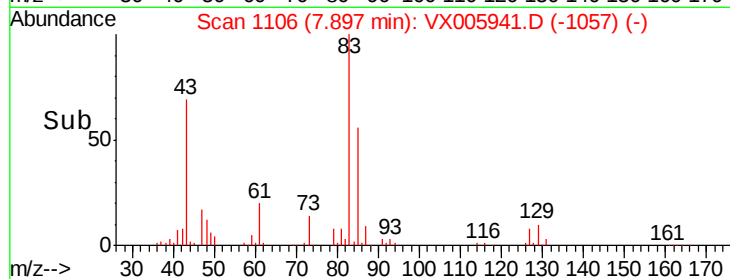
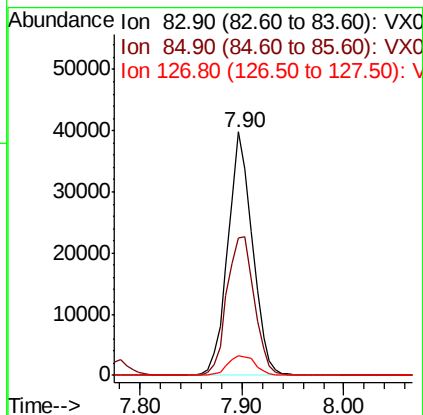
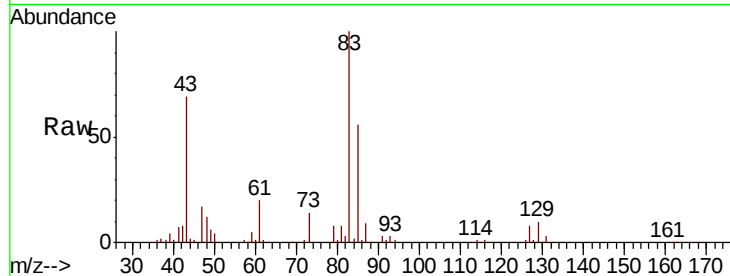
MSVOA_X

ClientSampleId :

VSTDCCC050

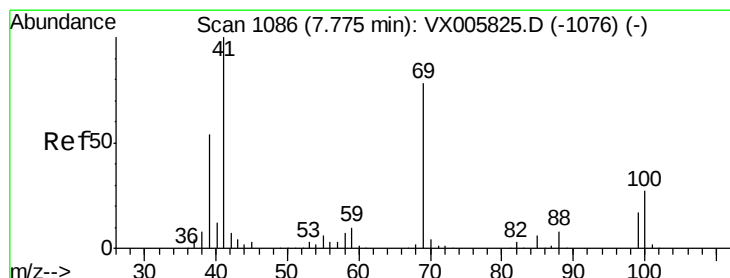
Tot Ion:	83	Resp:	65856
Ion	Ratio	Lower	Upper
83	100		
85	56.3	50.2	75.4
127	8.0	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.494 ug/l

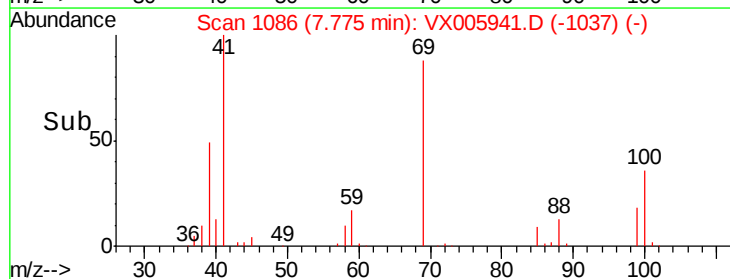
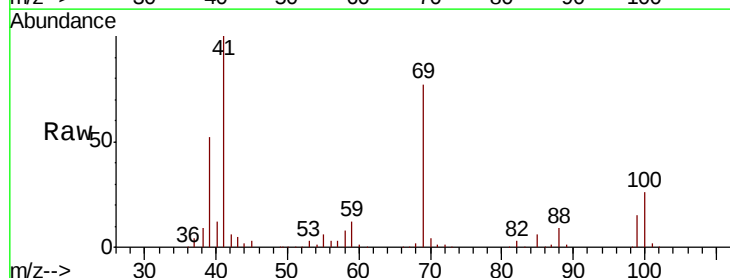
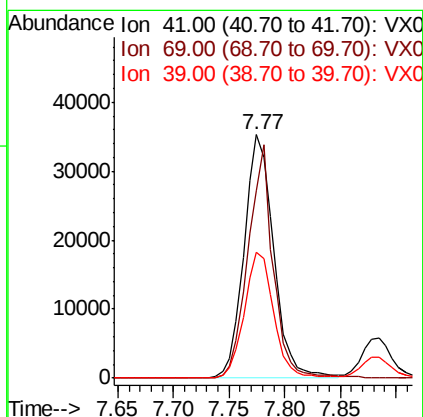
RT: 7.77 min Scan# 1086

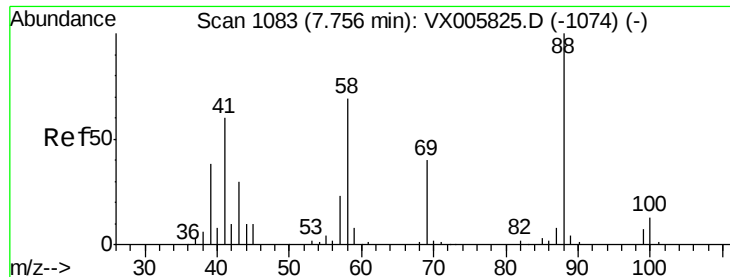
Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion:	41	Resp:	65418
Ion	Ratio	Lower	Upper
41	100		
69	81.7	63.2	94.8
39	51.5	42.2	63.2



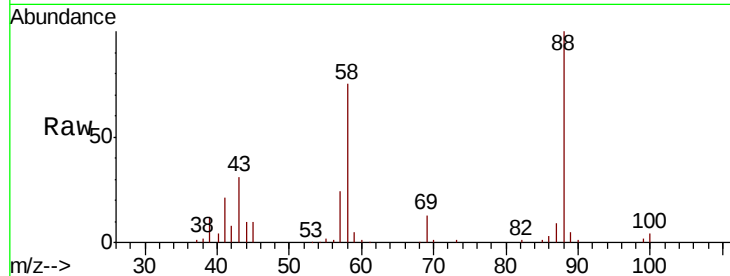


#49
1,4-Dioxane
Concen: 976.070 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	27.4	41.0
58	77.3	59.4	89.2

Manual Integrations
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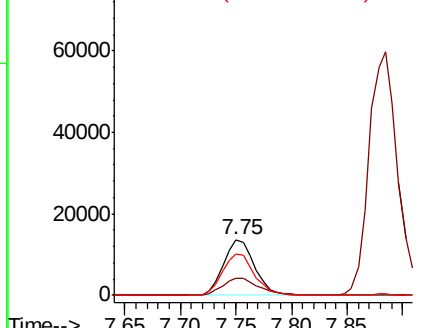


Abundance

Ion 88.00 (87.70 to 88.70): VX0

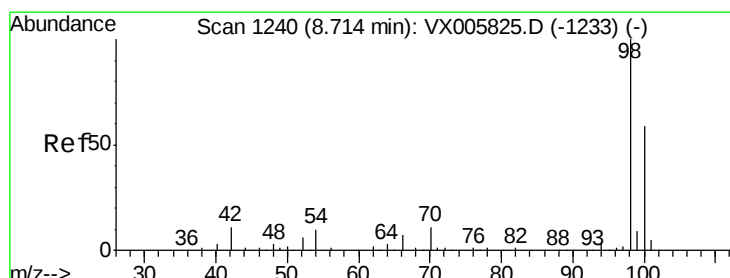
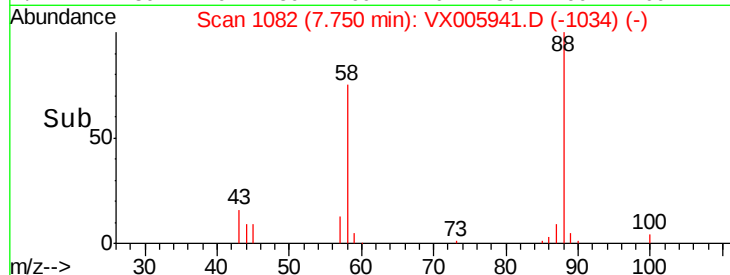
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



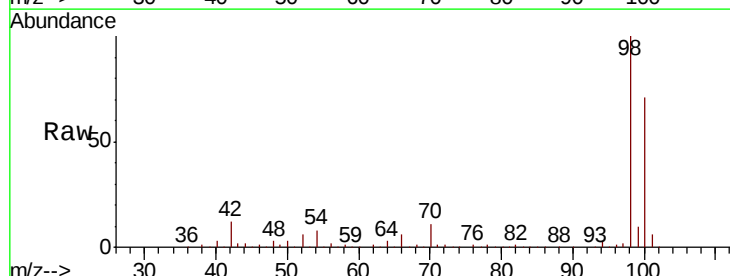
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#50
Toluene-d8
Concen: 48.598 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

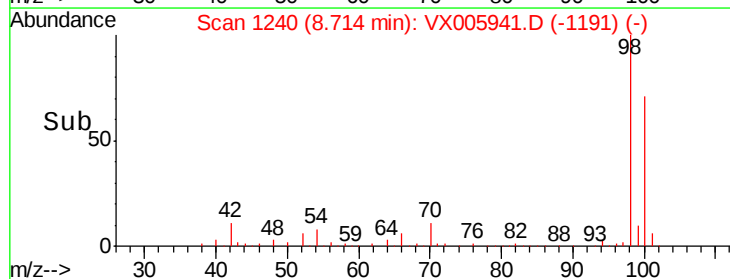
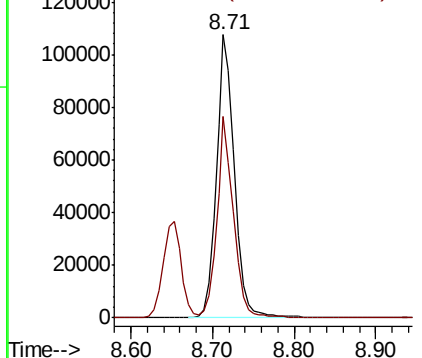
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.3	76.9

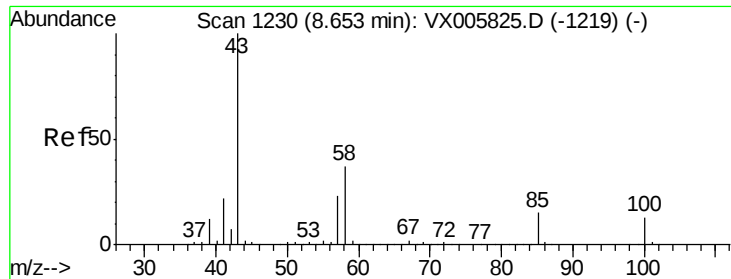


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 245.631 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

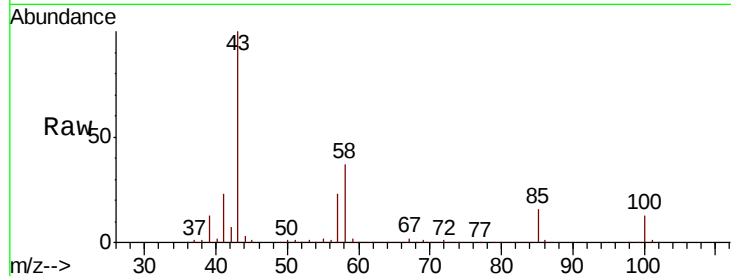
Tot Ion: 43 Resp: 429643

Ion Ratio Lower Upper

43 100

58 36.7 29.7 44.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005825.D (-1219) (-)

8.65

300000

250000

200000

150000

100000

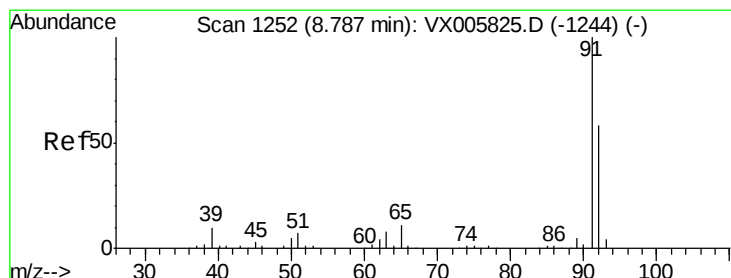
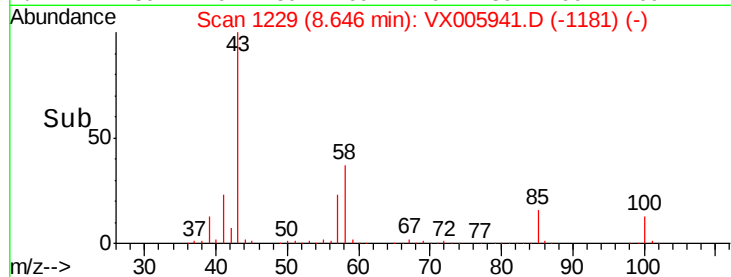
50000

0

Time-->

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#52

Toluene

Concen: 47.368 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005941.D

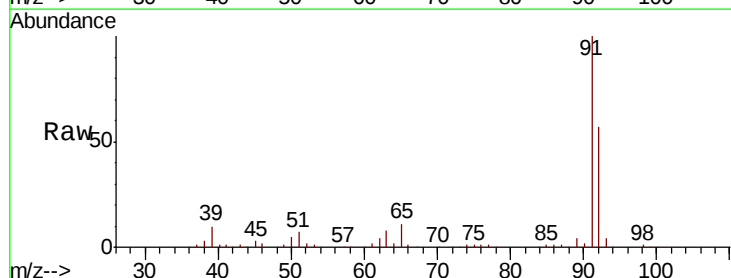
Acq: 13 Nov 2018 11:27

Tgt Ion: 92 Resp: 112408

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX005825.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1244) (-)

8.79

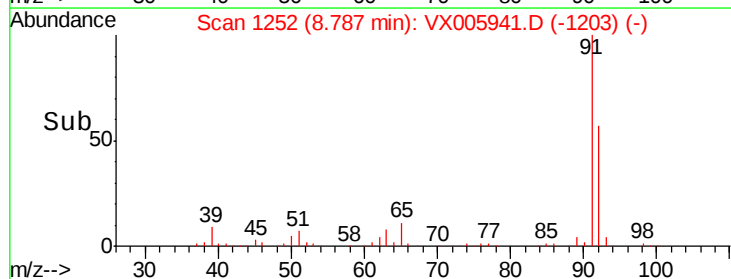
150000

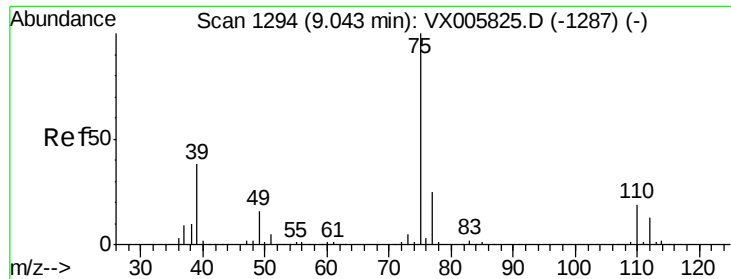
100000

50000

0

Time-->



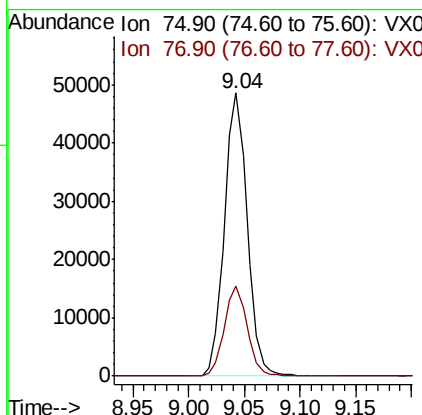
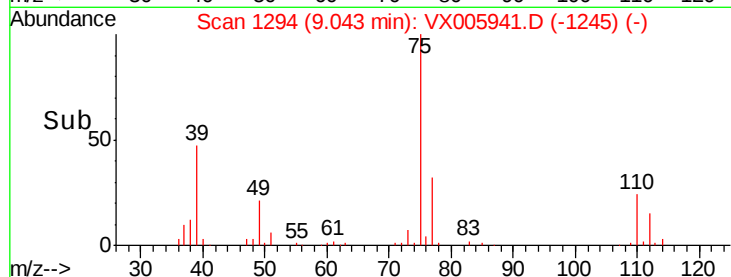
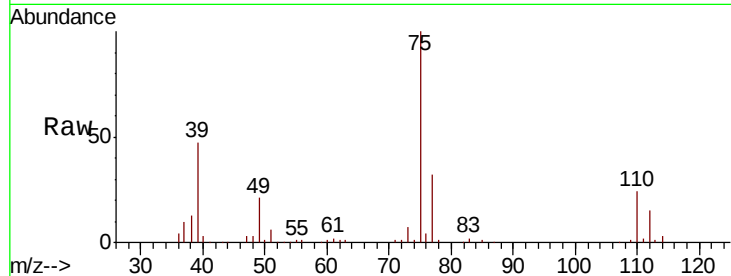


#53
 t-1,3-Dichloropropene
 Concen: 47.962 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

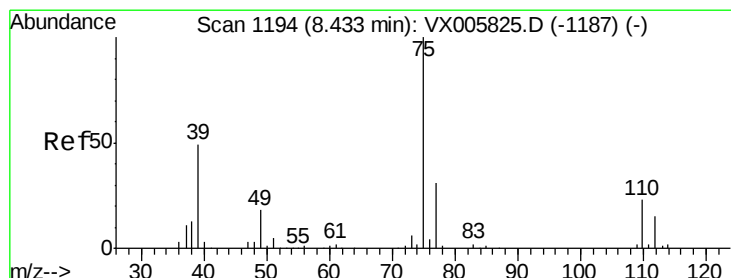
Tot Ion: 75 Resp: 69176
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

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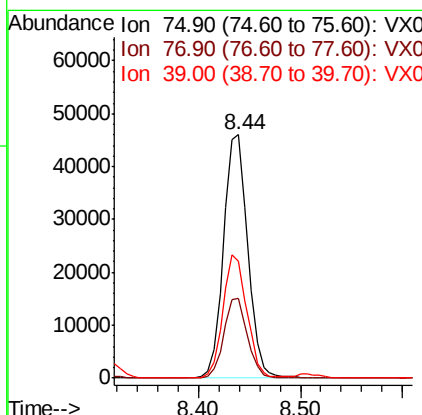
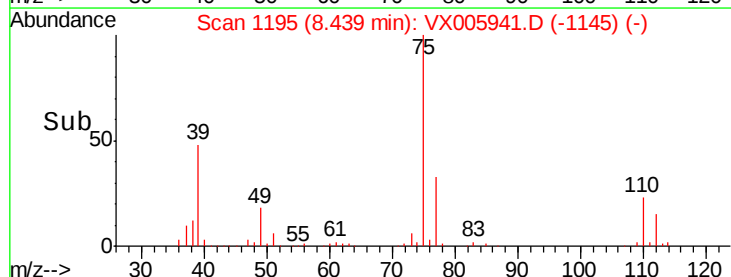
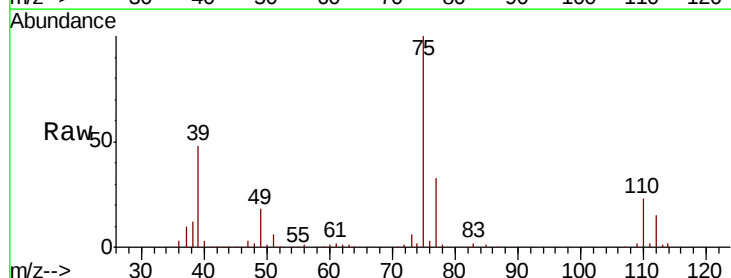
MMDadoda

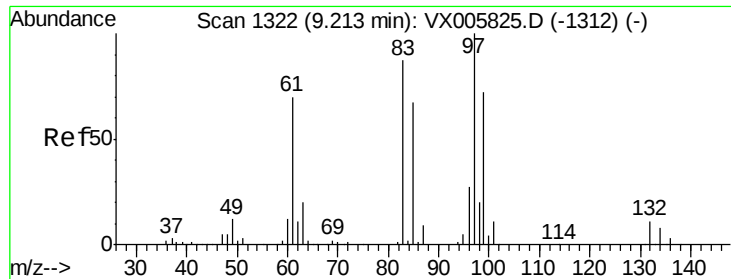
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#54
 cis-1,3-Dichloropropene
 Concen: 51.416 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion: 75 Resp: 75585
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.2 37.8
 39 47.7 38.2 57.2



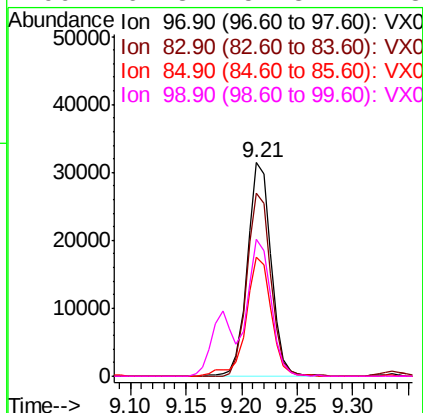
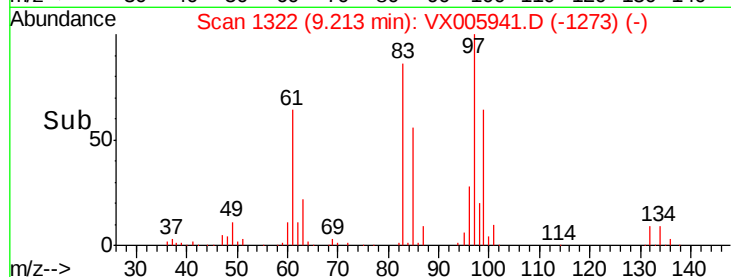
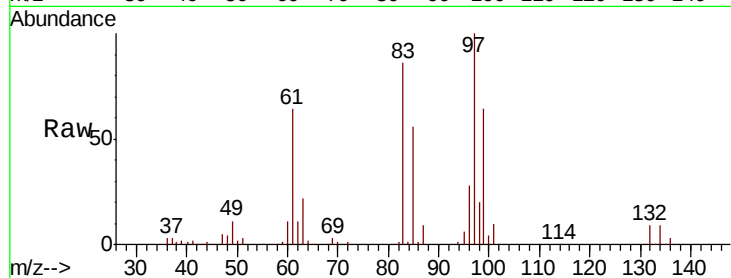


#55
1,1,2-Trichloroethane
Concen: 44.021 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

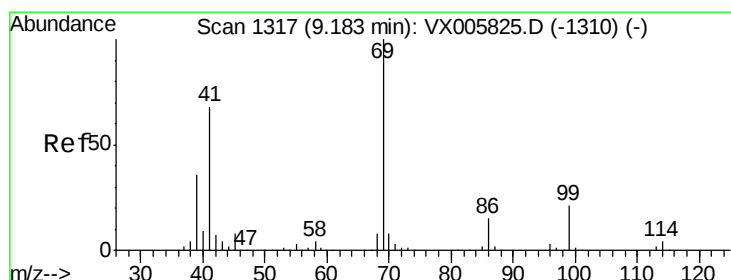
Tot Ion:	97	Resp:	46558
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.7	106.1
85	55.8	45.8	68.6
99	64.3	51.8	77.8

Manual Integrations
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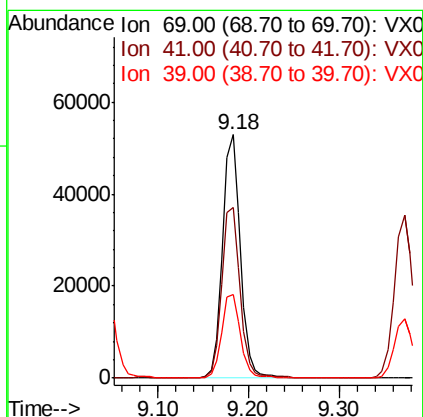
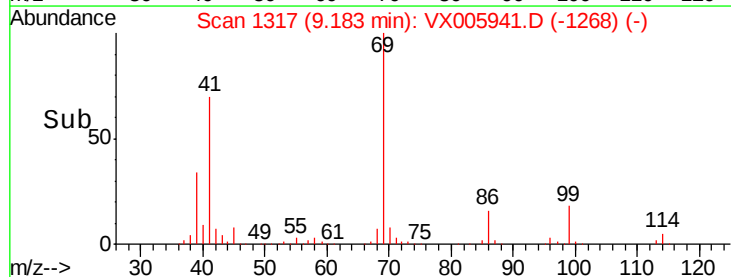
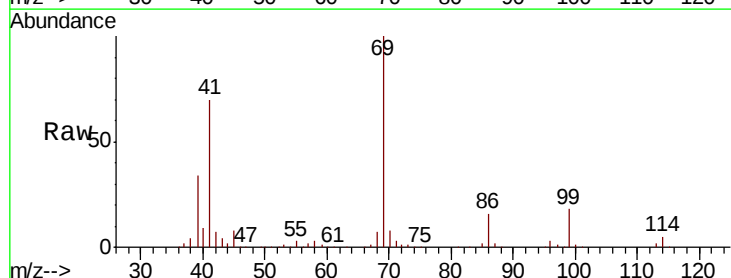
MMDadoda

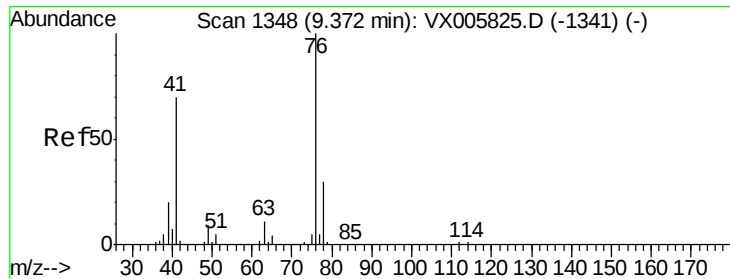
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#56
Ethyl methacrylate
Concen: 46.072 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion:	69	Resp:	72907
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.0	85.6
39	35.8	28.3	42.5



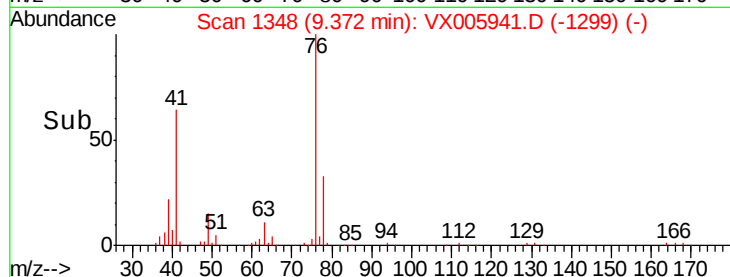
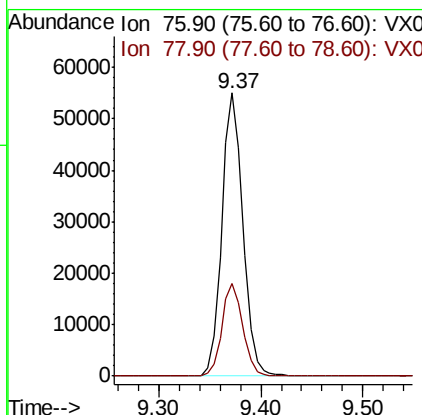
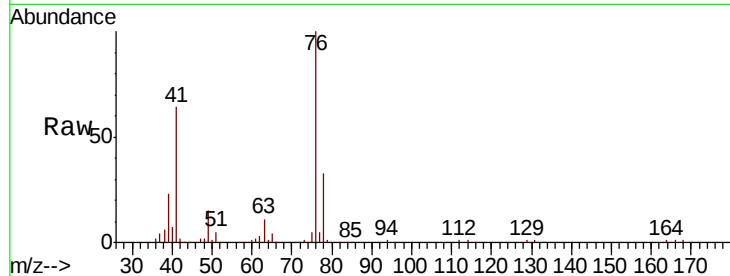


#57
 1,3-Dichloropropane
 Concen: 44.417 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

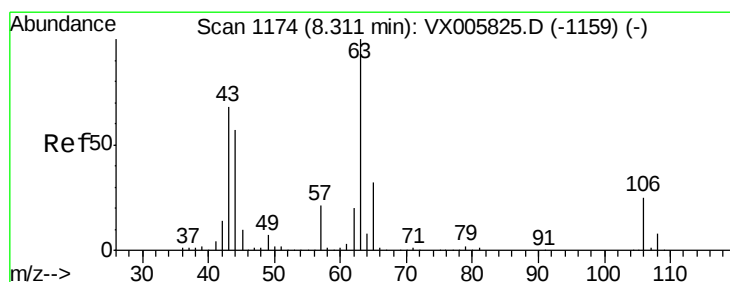
Tot Ion: 76 Resp: 78943
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9

Manual Integrations
 APPROVED



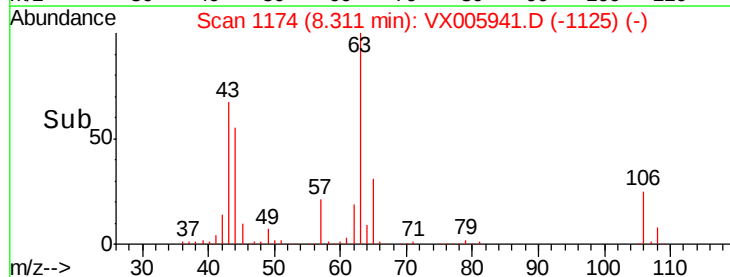
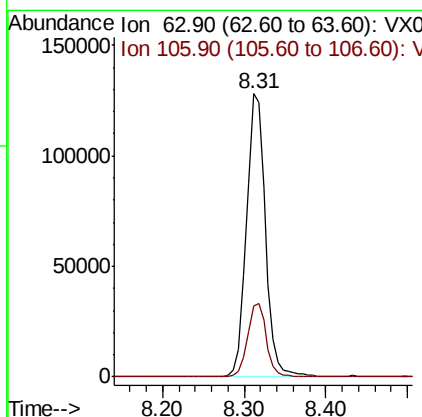
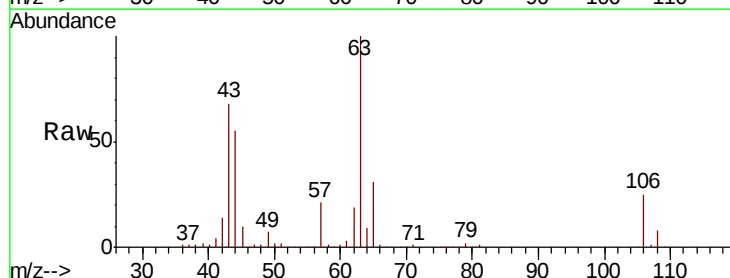
MMDadoda

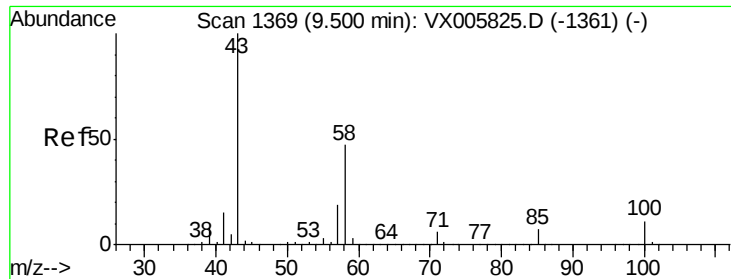
11/14/2018 9:51:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.652 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion: 63 Resp: 207237
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.3 31.9



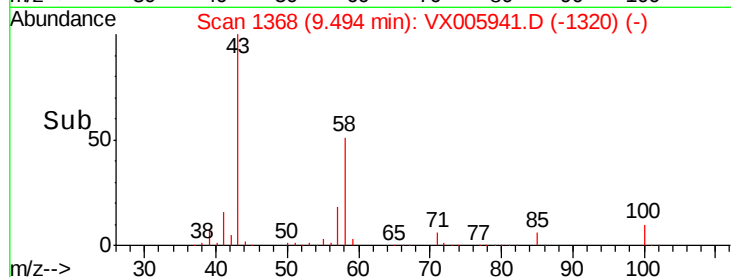
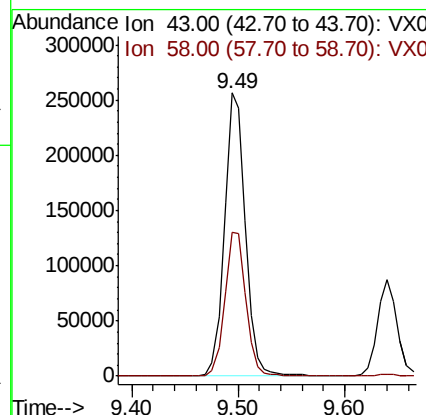
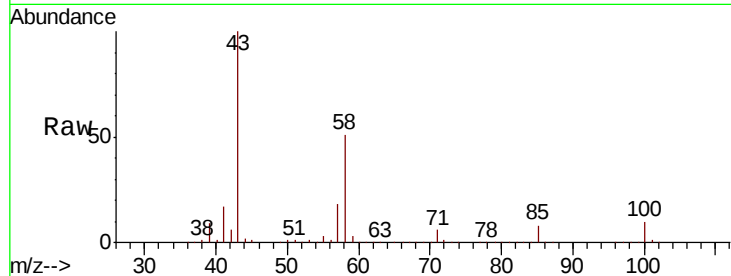


#59
2-Hexanone
Concen: 226.705 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

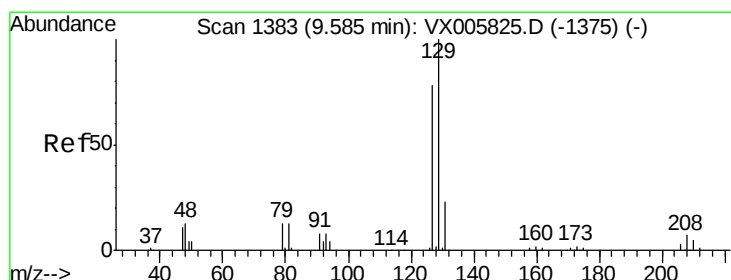
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	25.9	77.8

Manual Integrations
APPROVED



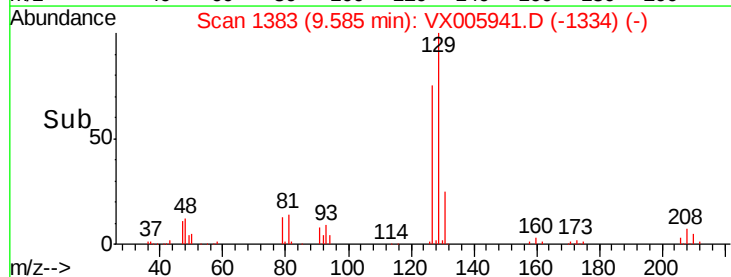
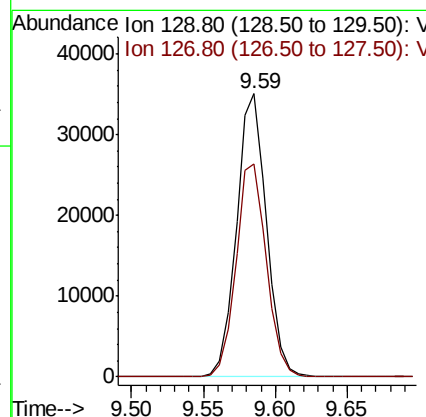
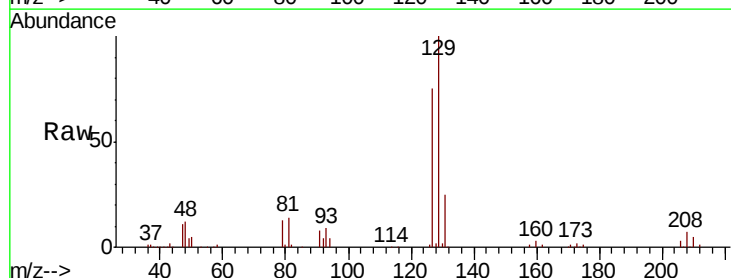
MMDadoda

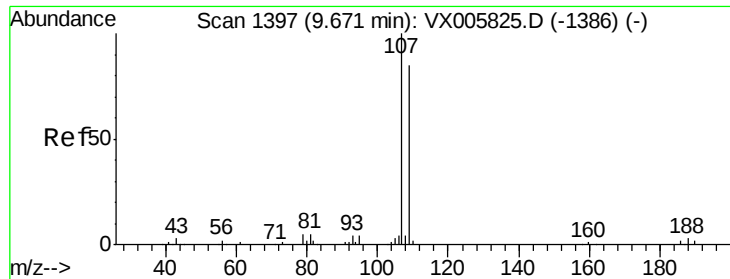
11/14/2018 9:51:17 AM



#60
Dibromochloromethane
Concen: 44.240 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.9	116.7



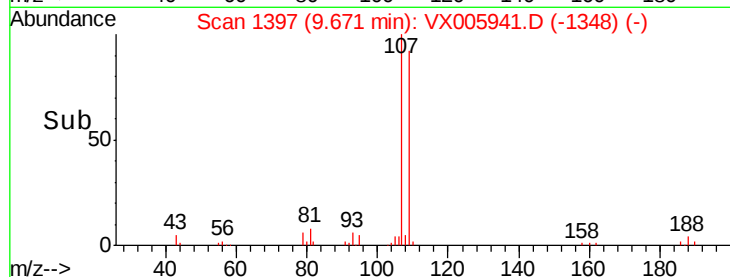
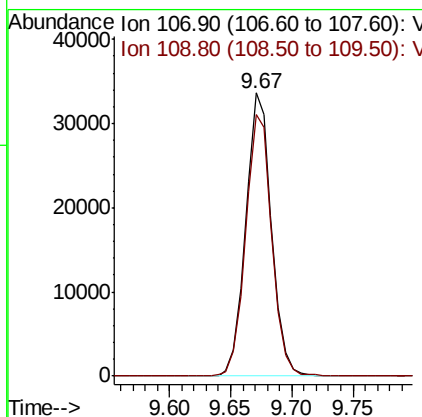
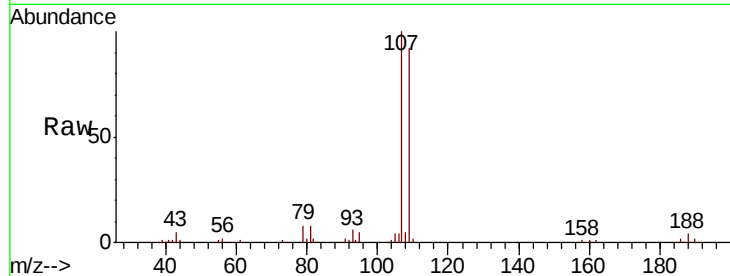


#61
 1,2-Dibromoethane
 Concen: 41.819 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

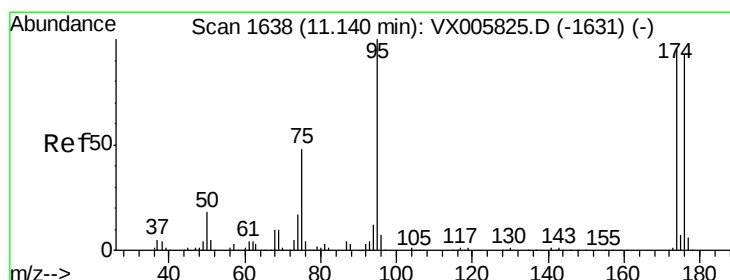
Tot Ion:107 Resp: 48907
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.7 113.5

Manual Integrations
 APPROVED



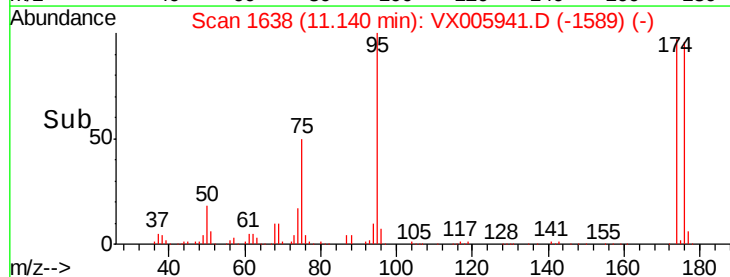
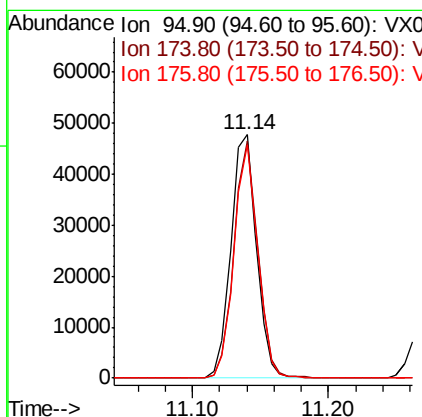
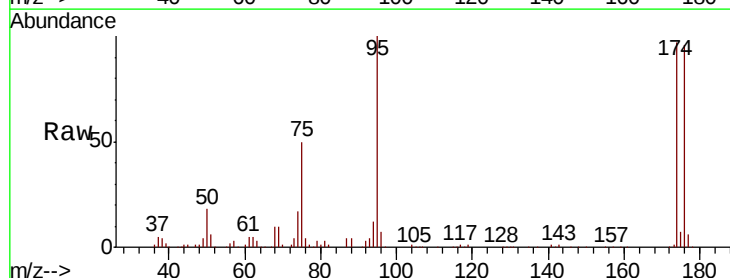
MMDadoda

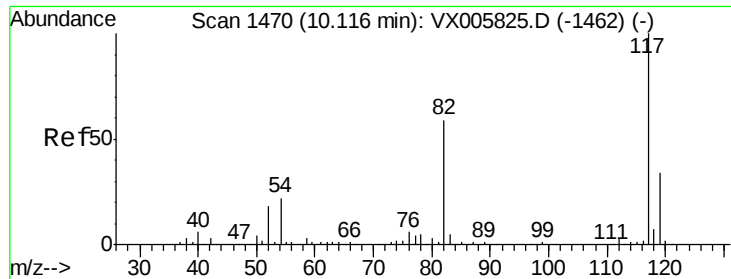
11/14/2018 9:51:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.858 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion: 95 Resp: 62470
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 184.4
 176 89.6 0.0 177.4



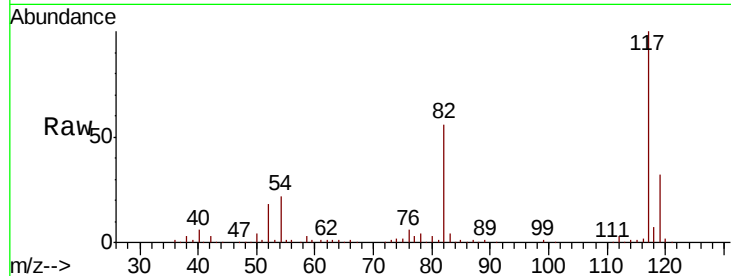


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.1	66.1
119	32.4	26.2	39.2

Manual Integrations
APPROVED

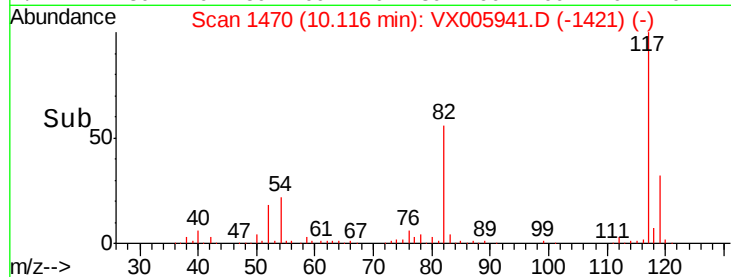
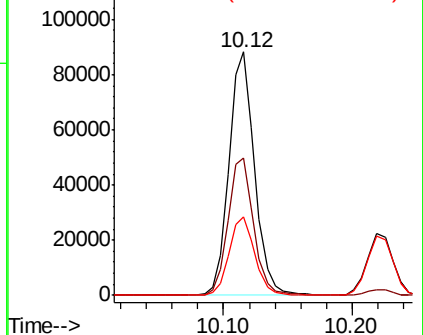


Abundance

Ion 116.90 (116.60 to 117.60): V

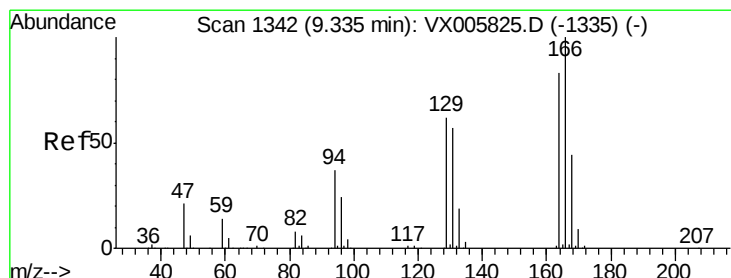
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



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11/14/2018 9:51:17 AM



#64
Tetrachloroethene
Concen: 50.994 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.9	152.9
129	89.5	72.6	109.0
131	86.7	71.1	106.7

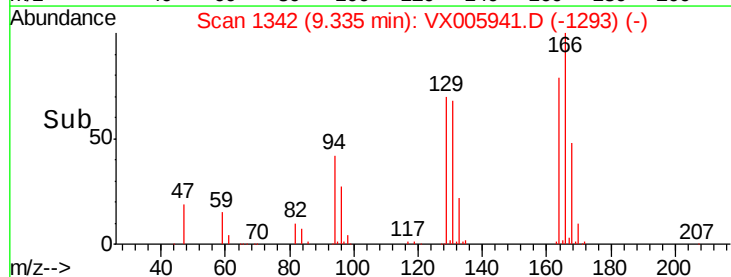
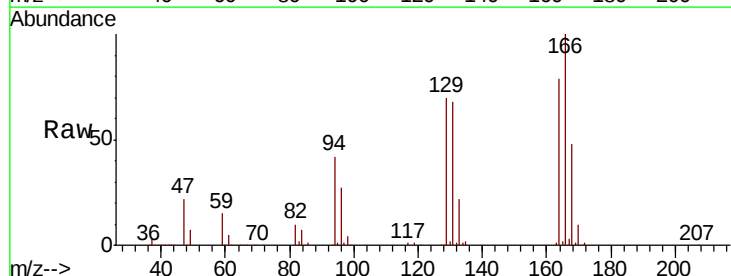
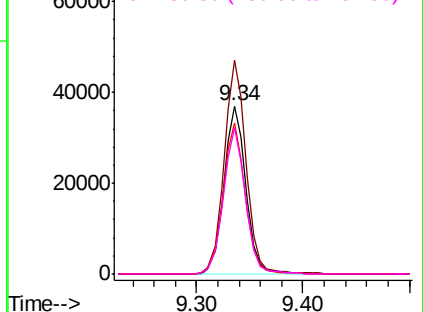
Abundance

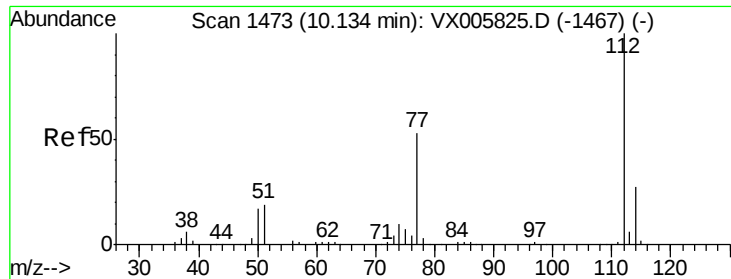
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



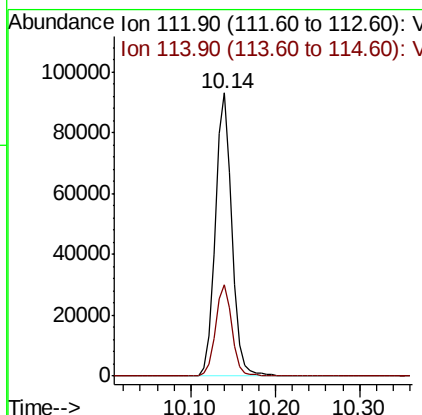
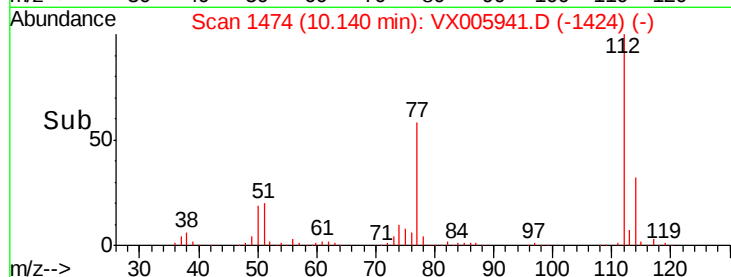
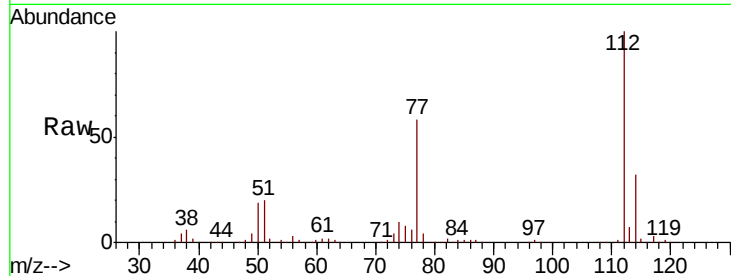


#65
Chlorobenzene
Concen: 51.478 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

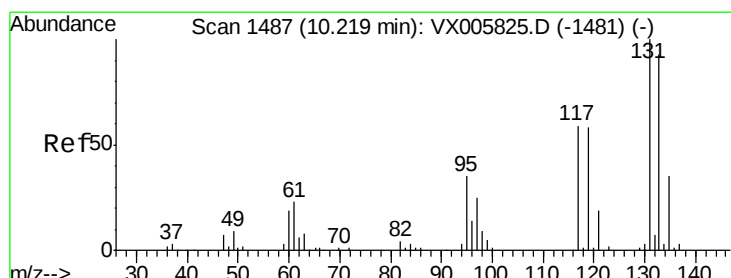
Tot Ion:112 Resp: 126827
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

Manual Integrations
APPROVED



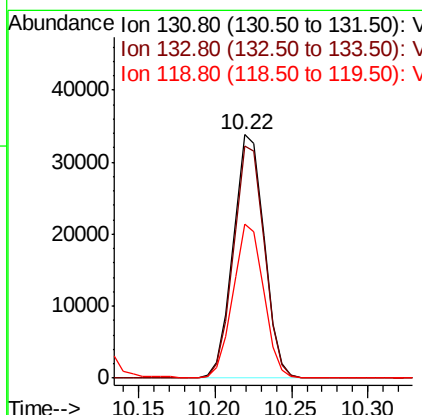
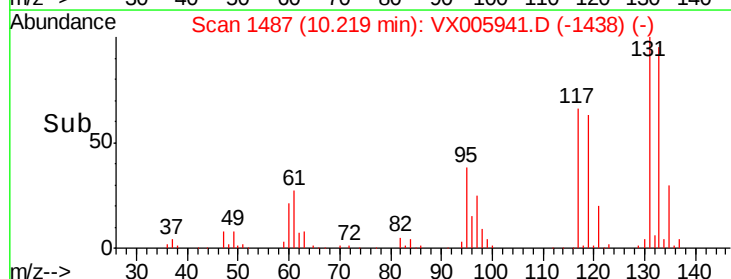
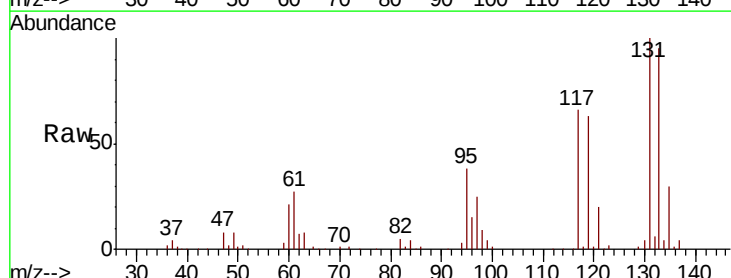
MMDadoda

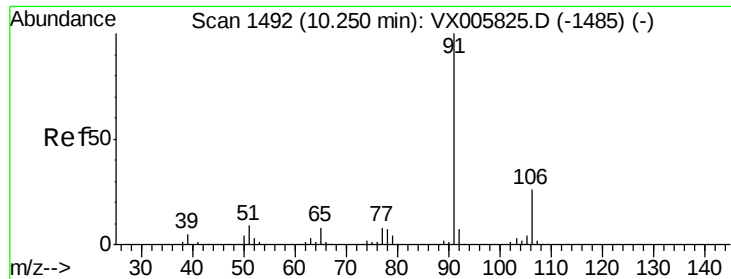
11/14/2018 9:51:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.542 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion:131 Resp: 47573
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 62.6 31.8 95.3





#67

Ethyl Benzene

Concen: 56.003 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

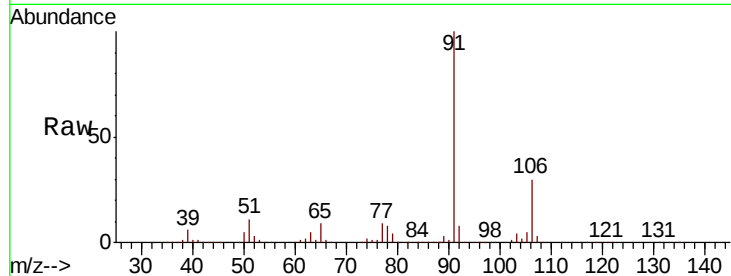
Tot Ion: 91 Resp: 221244

Ion Ratio Lower Upper

91 100

106 30.5 24.4 36.6

Manual Integrations
APPROVED



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)

300000

250000

200000

150000

100000

50000

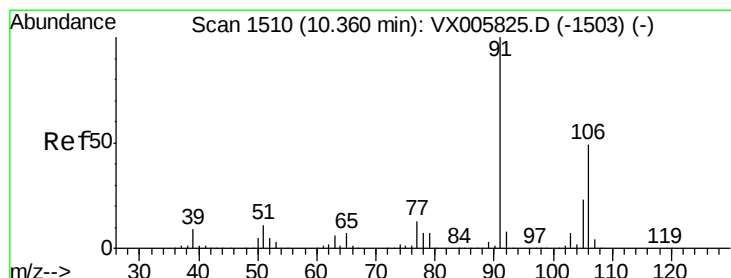
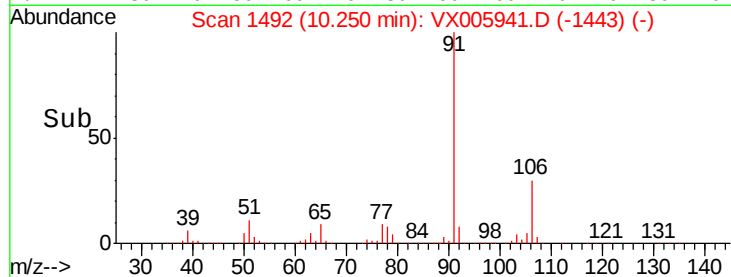
0

10.20 10.25 10.30

Time-->

MMDadoda

11/14/2018 9:51:17 AM



#68

m/p-Xylenes

Concen: 114.719 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005941.D

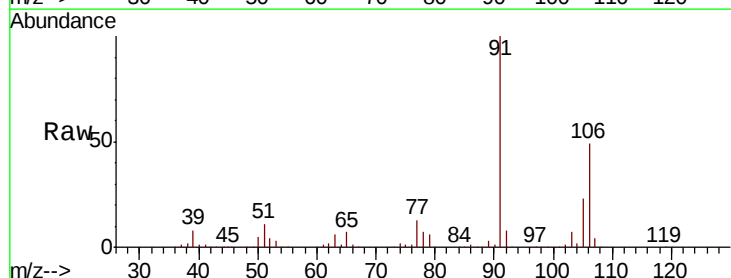
Acq: 13 Nov 2018 11:27

Tgt Ion: 106 Resp: 172871

Ion Ratio Lower Upper

106 100

91 206.0 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

300000

250000

200000

150000

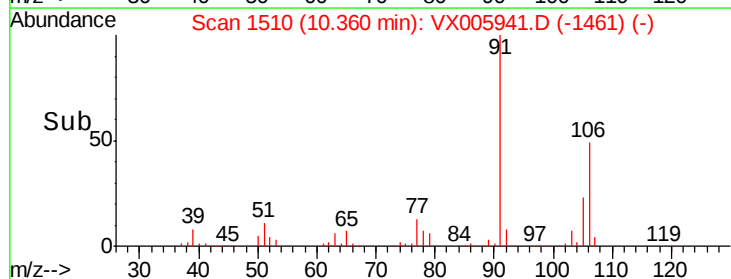
100000

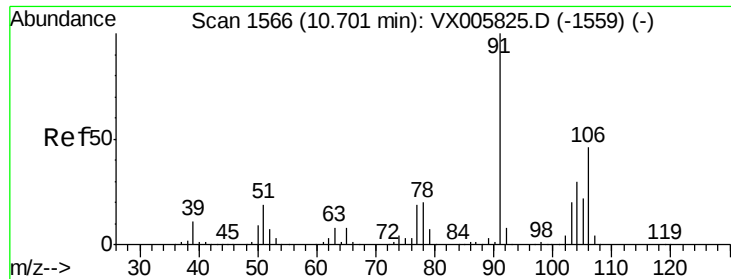
50000

0

10.30 10.36 10.40 10.50

Time-->



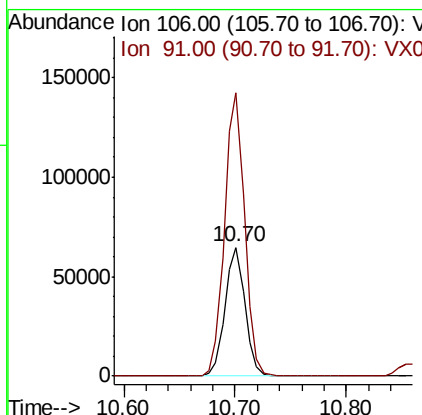
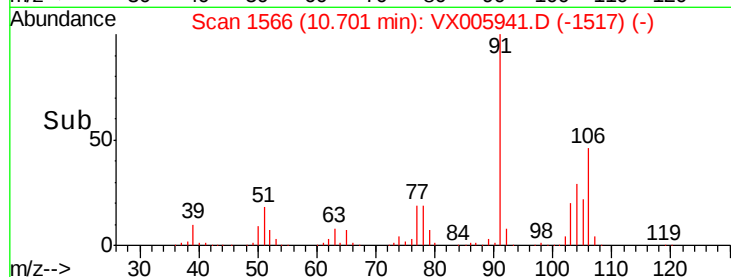
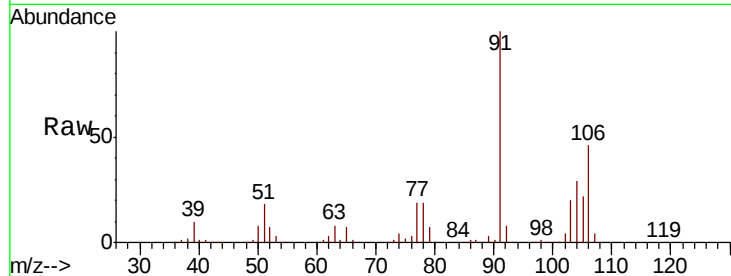


#69
o-Xylene
Concen: 59.358 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

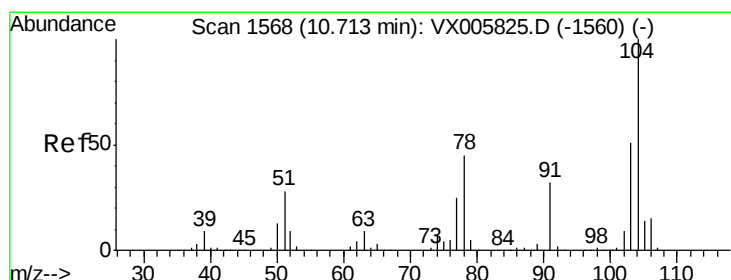
Tot Ion:106 Resp: 80207
Ion Ratio Lower Upper
106 100
91 221.3 108.5 325.5

Manual Integrations
APPROVED



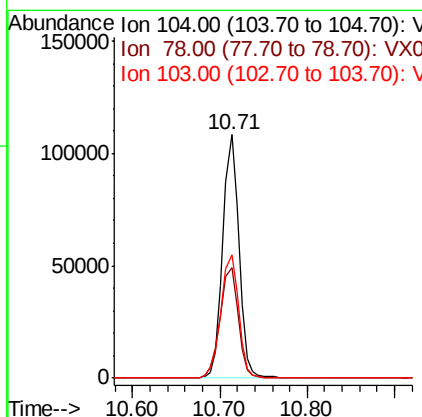
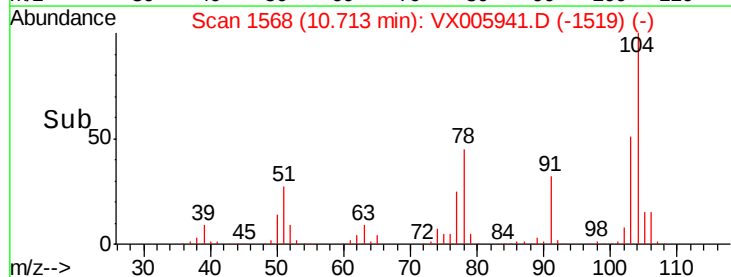
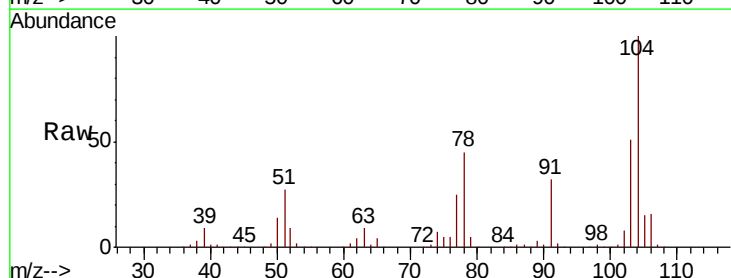
MMDadoda

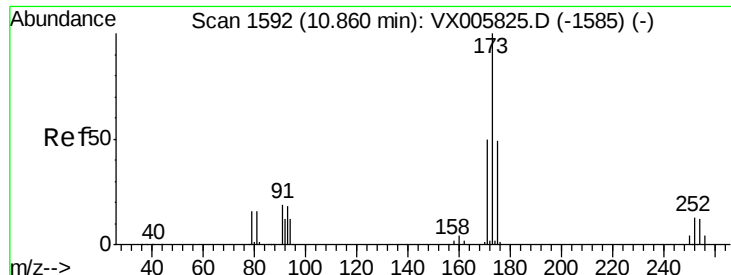
11/14/2018 9:51:17 AM



#70
Styrene
Concen: 62.156 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion:104 Resp: 138549
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.0 44.9 67.3



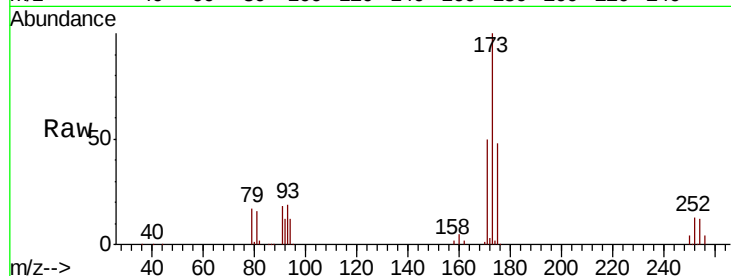


#71
Bromoform
Concen: 58.842 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

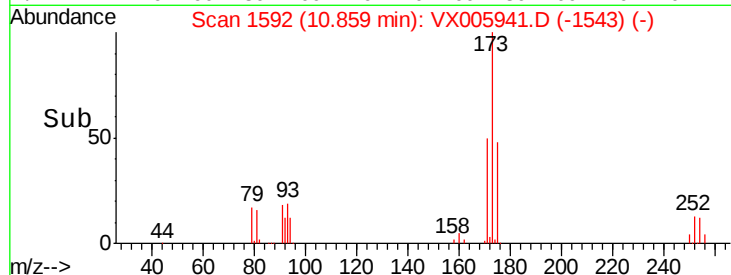
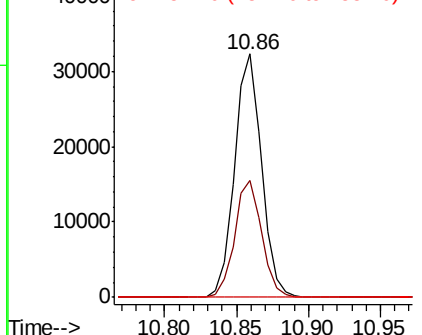
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

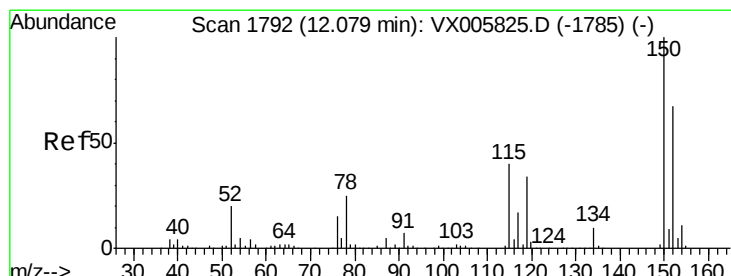


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



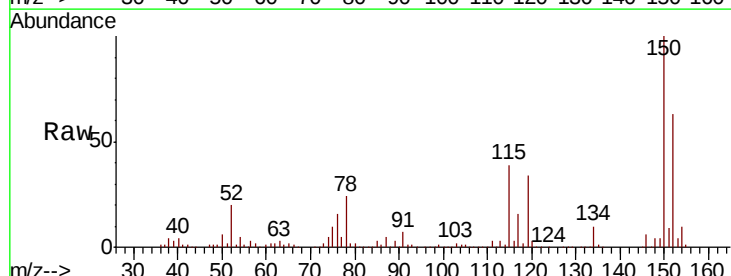
MMDadoda

11/14/2018 9:51:17 AM

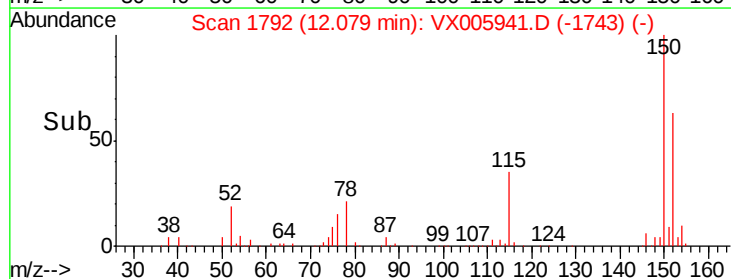
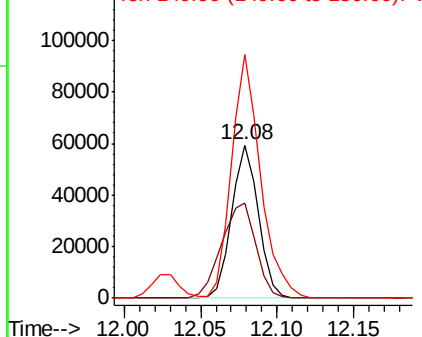


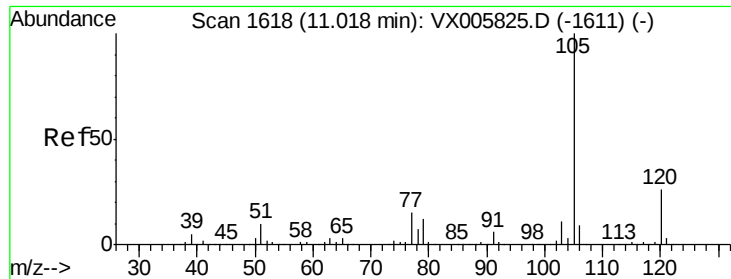
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	39.4	118.1
150	173.2	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



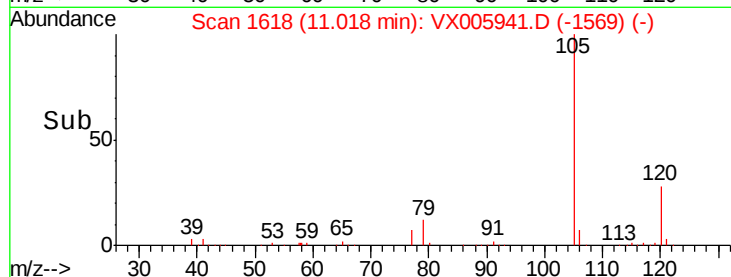
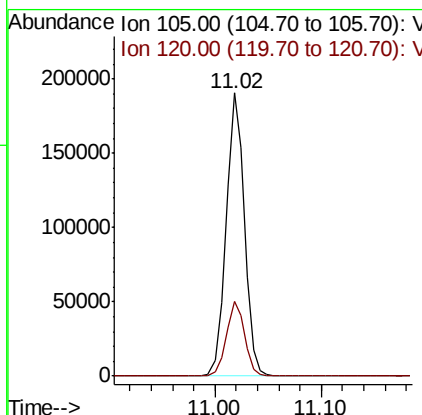
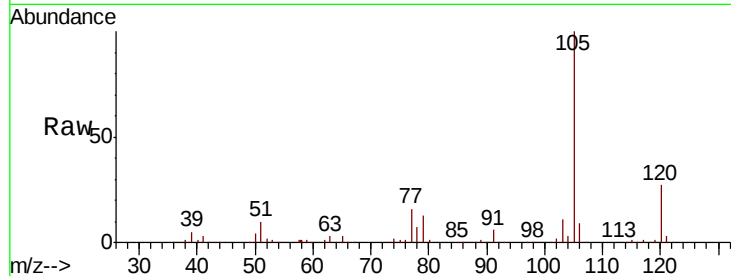


#73
Isopropylbenzene
Concen: 55.144 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

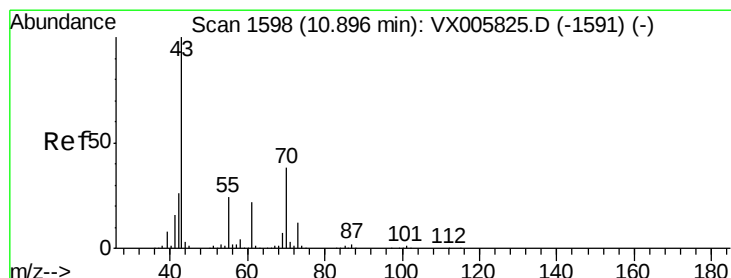
Tot Ion: 105 Resp: 228674
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3

Manual Integrations
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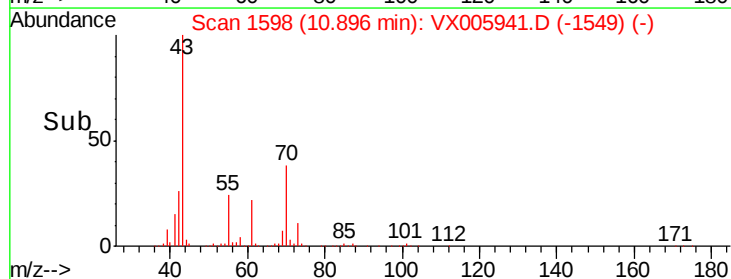
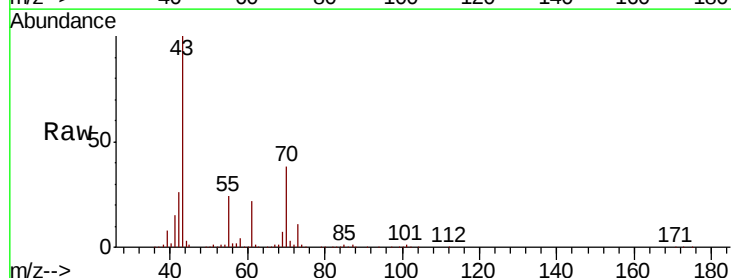
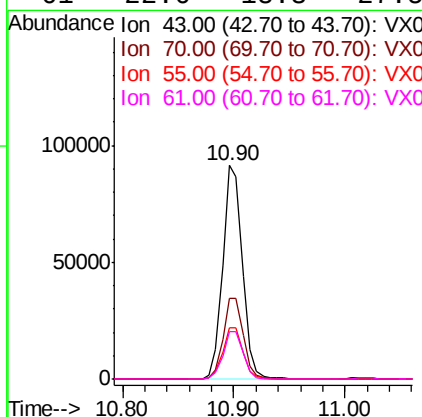
MMDadoda

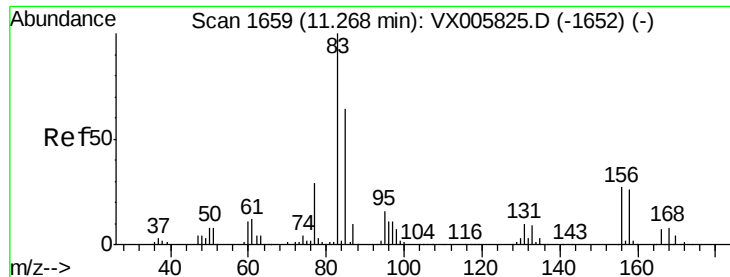
11/14/2018 9:51:17 AM



#74
N-ethyl acetate
Concen: 48.135 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion: 43 Resp: 111889
Ion Ratio Lower Upper
43 100
70 38.7 31.6 47.4
55 25.1 19.7 29.5
61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.619 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

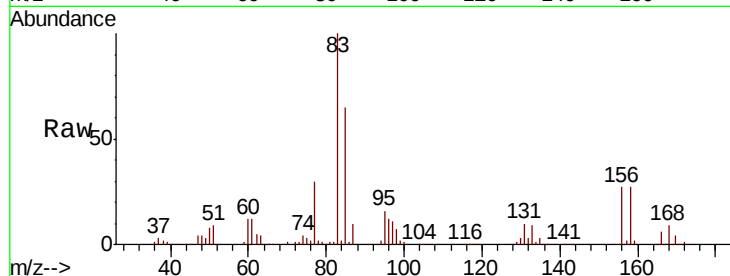
MSVOA_X

ClientSampled :

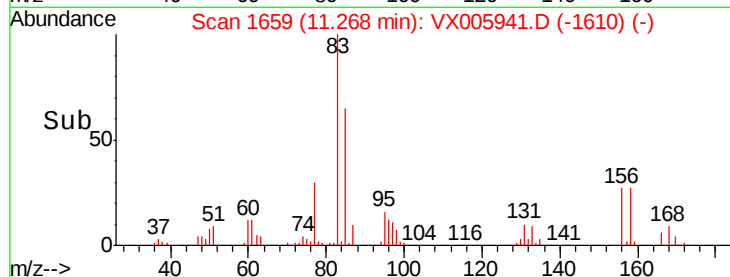
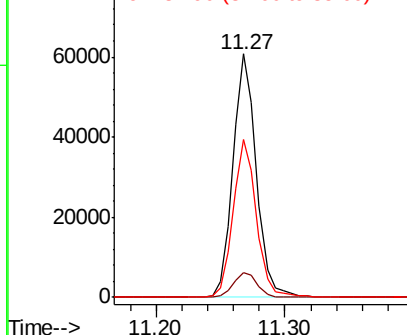
VSTDCCC050

Tot Ion:	83	Resp:	77047
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.6	32.0	96.2

Manual Integrations
APPROVED

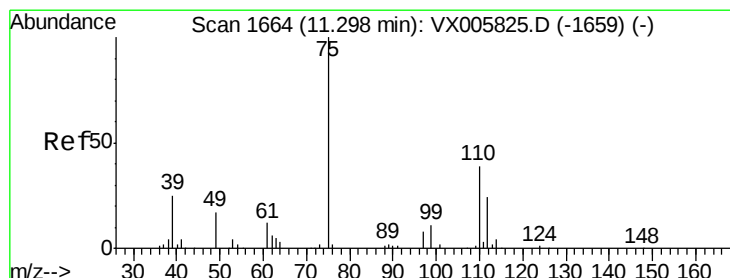


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



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#76

1,2,3-Trichloropropane

Concen: 51.750 ug/l m

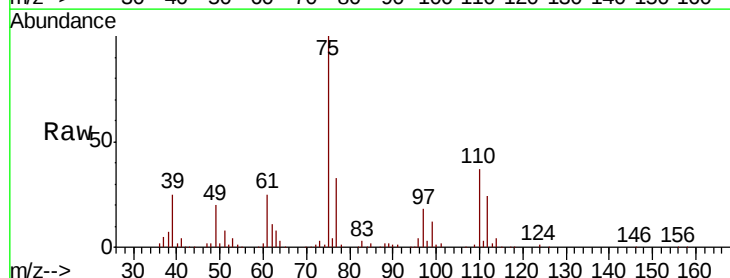
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

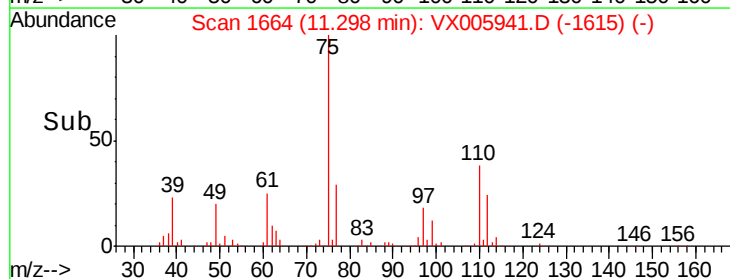
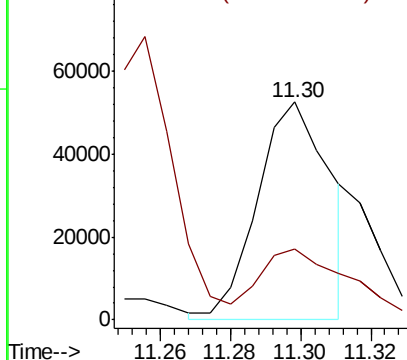
Lab File: VX005941.D

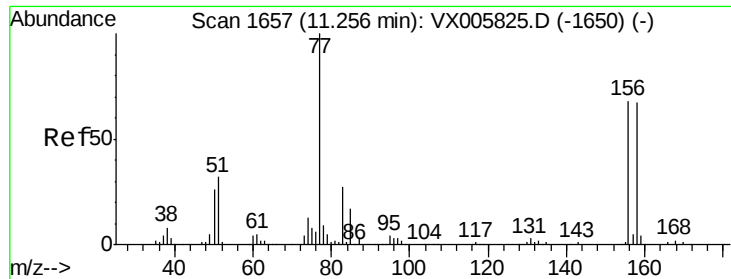
Acq: 13 Nov 2018 11:27

Tgt Ion:	75	Resp:	75563
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.363 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

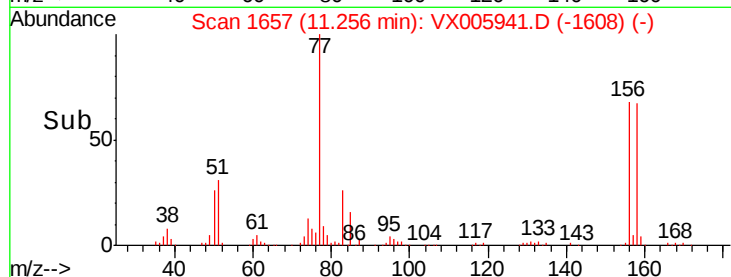
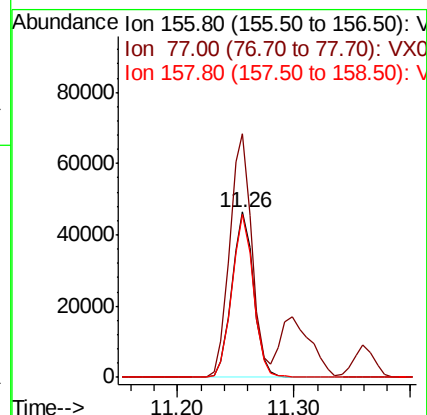
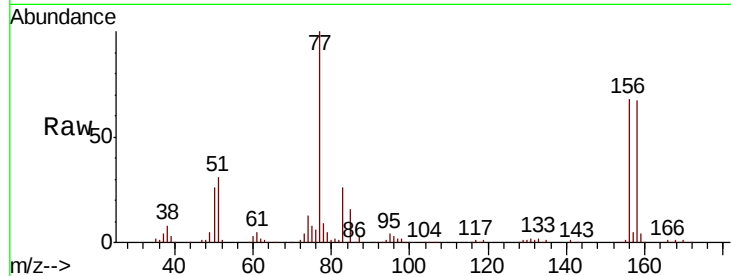
MSVOA_X

ClientSampleId :

VSTDCCC050

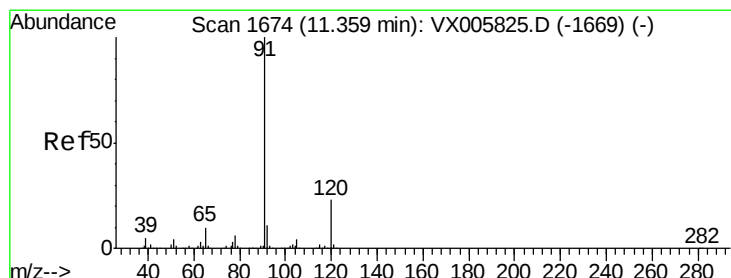
Tot Ion	Ratio	Lower	Upper
156	100		
77	149.9	74.8	224.4
158	97.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 55.491 ug/l

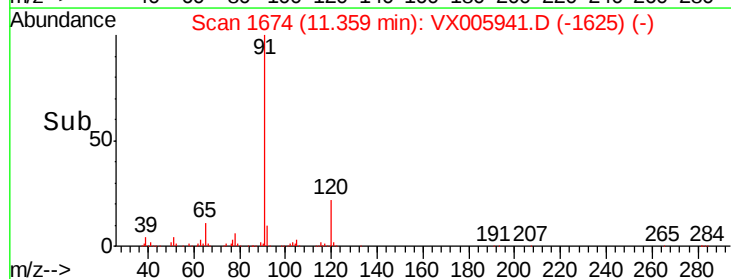
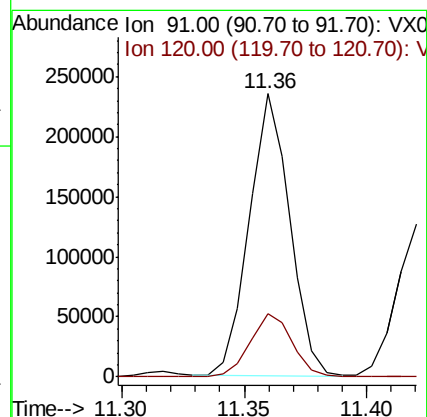
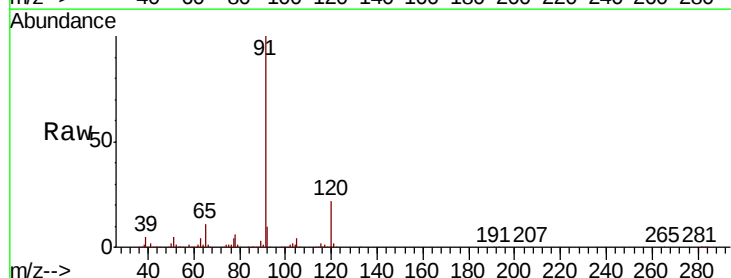
RT: 11.36 min Scan# 1674

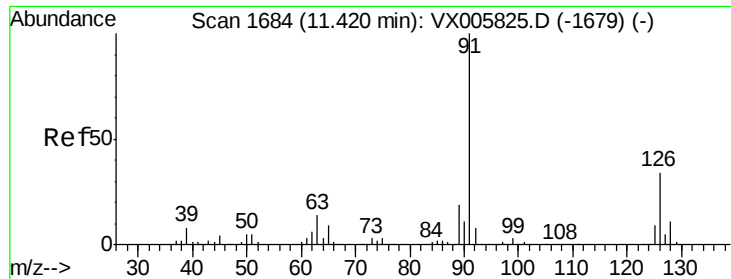
Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 53.449 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

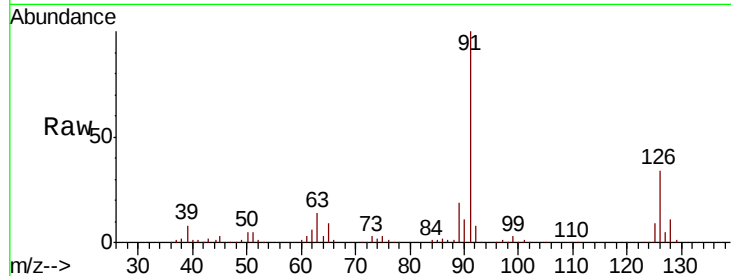
Tot Ion: 91 Resp: 157887

Ion Ratio Lower Upper

91 100

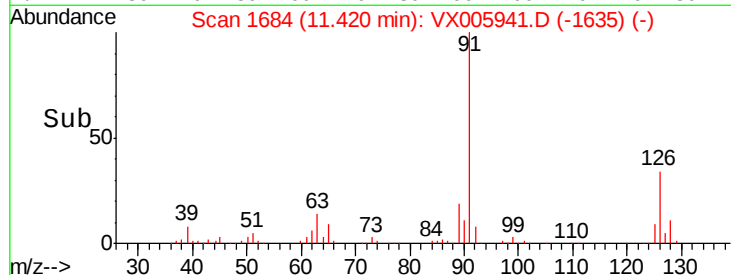
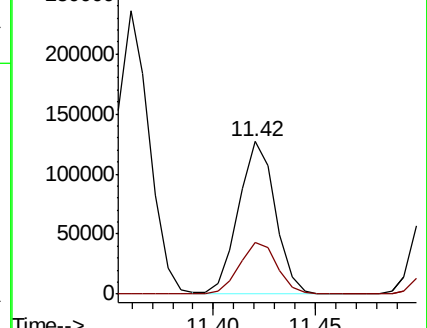
126 34.8 17.3 52.0

Manual Integrations
APPROVED



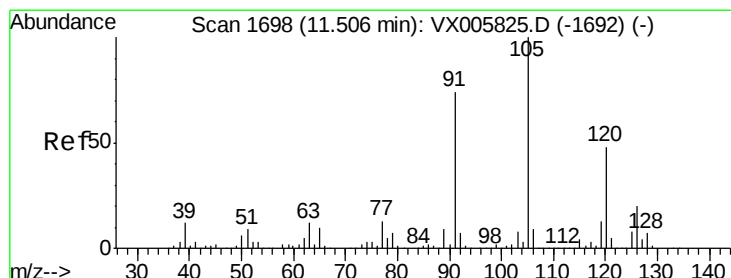
Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



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#80

1,3,5-Trimethylbenzene

Concen: 56.046 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005941.D

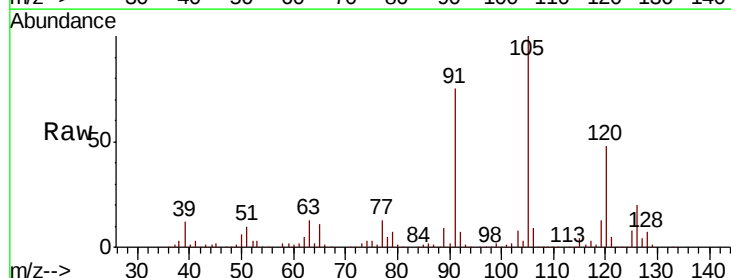
Acq: 13 Nov 2018 11:27

Tgt Ion: 105 Resp: 197503

Ion Ratio Lower Upper

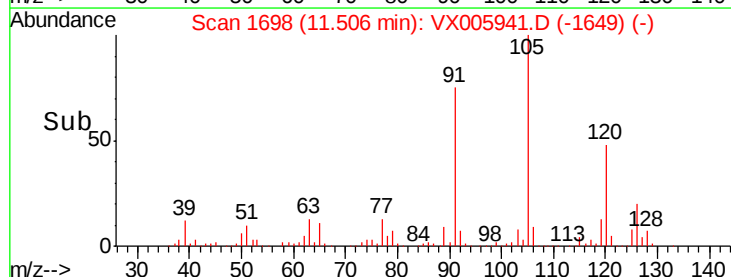
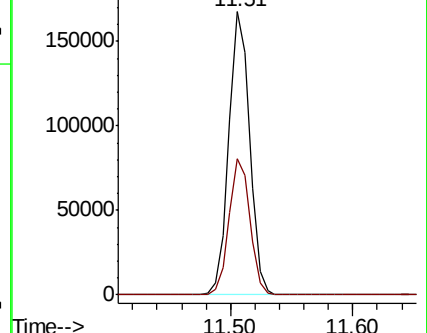
105 100

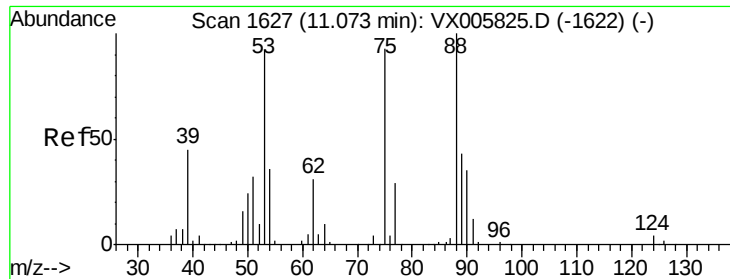
120 48.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)



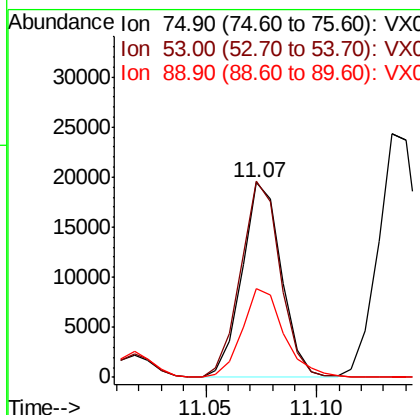
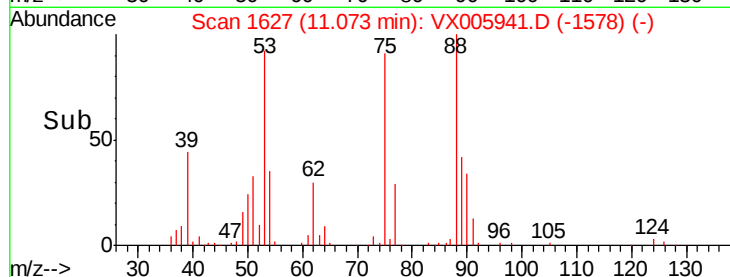
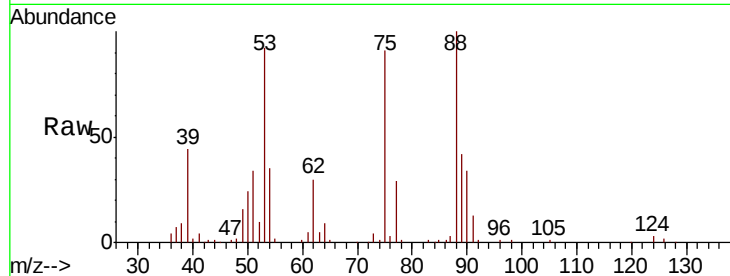


#81
trans-1,4-Dichloro-2-butene
Concen: 51.941 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

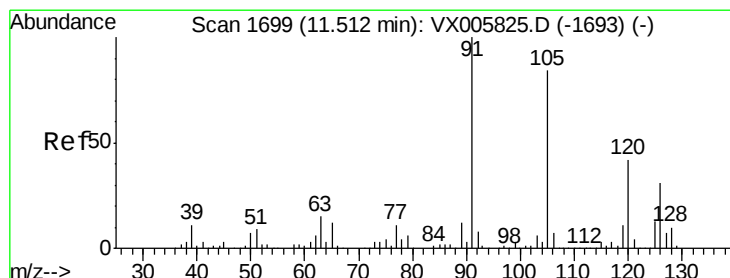
Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	80.2	120.2
89	49.1	39.8	59.8

Manual Integrations
APPROVED



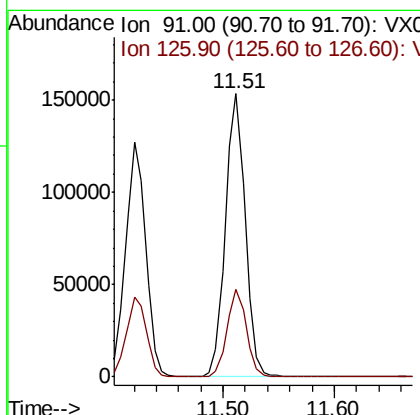
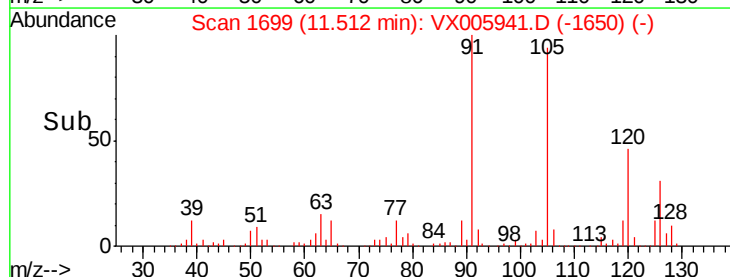
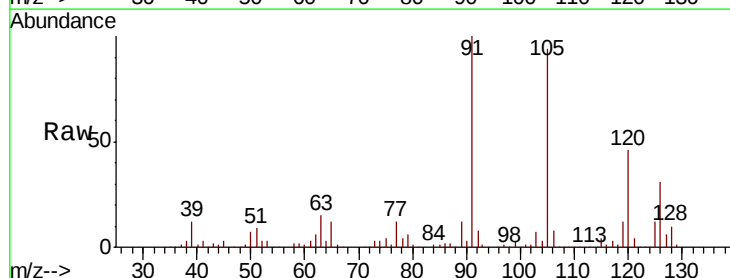
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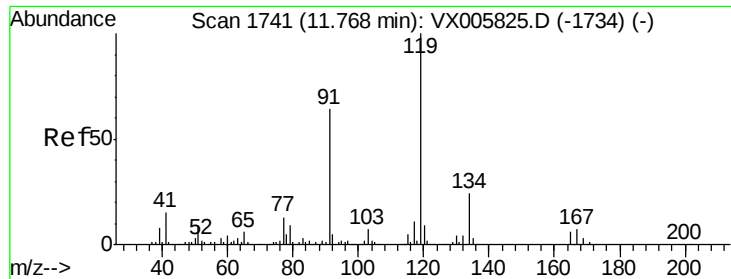
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#82
4-Chlorotoluene
Concen: 54.517 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.2	45.6





#83

tert-Butylbenzene

Concen: 53.336 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

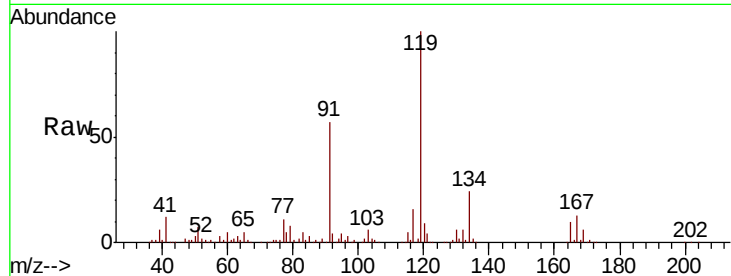
MSVOA_X

ClientSampleId :

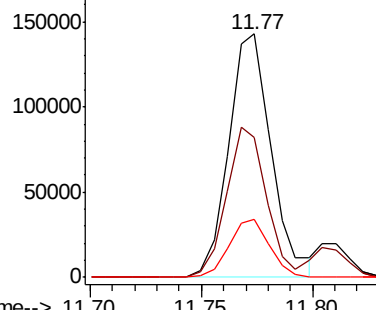
VSTDCCC050

Tot Ion:	119	Resp:	190148
Ion Ratio	Lower	Upper	
119	100		
91	57.8	28.5	85.5
134	22.7	11.3	33.8

Manual Integrations
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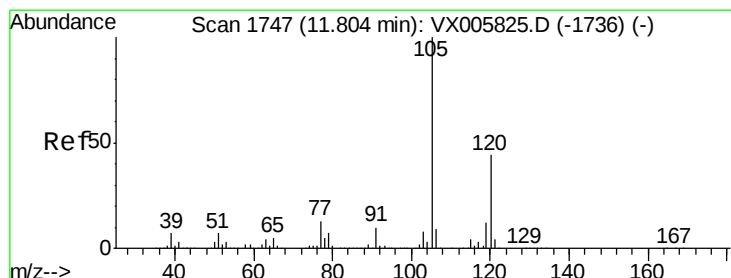
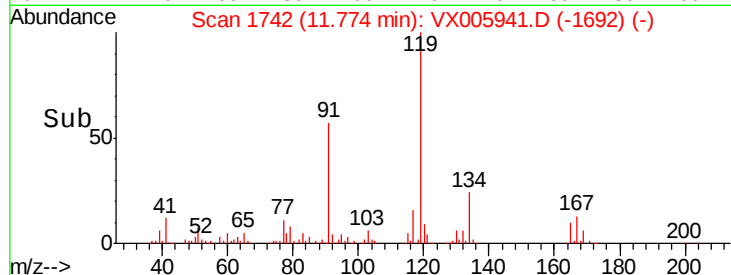


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 52.258 ug/l

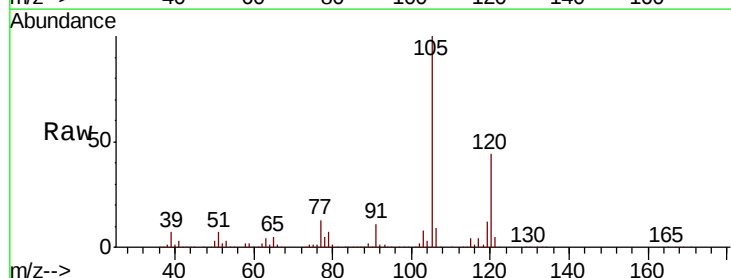
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

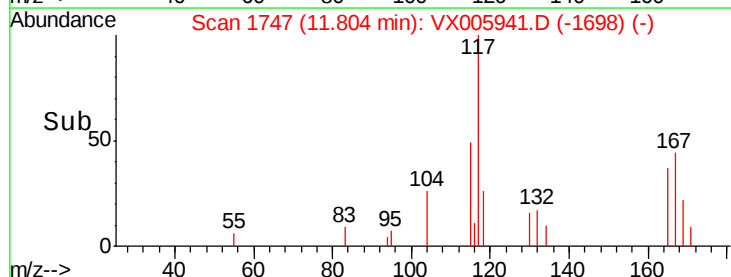
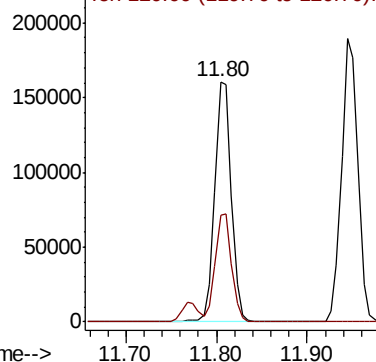
Lab File: VX005941.D

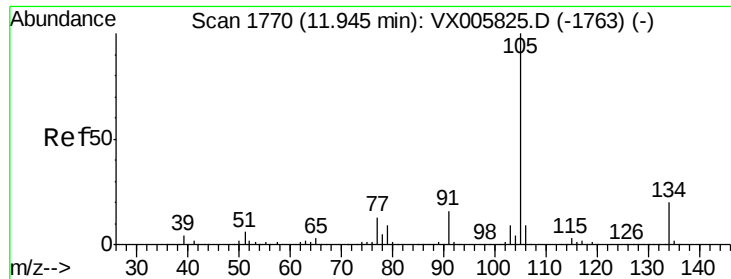
Acq: 13 Nov 2018 11:27

Tgt Ion:	105	Resp:	203212
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.4	67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



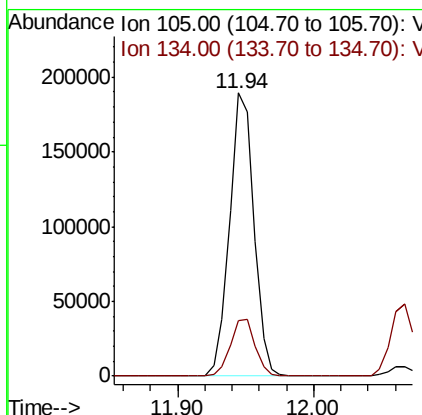
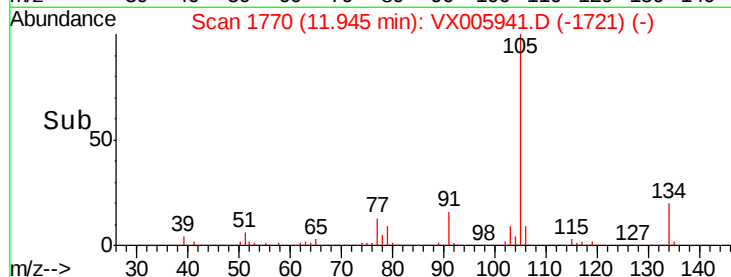
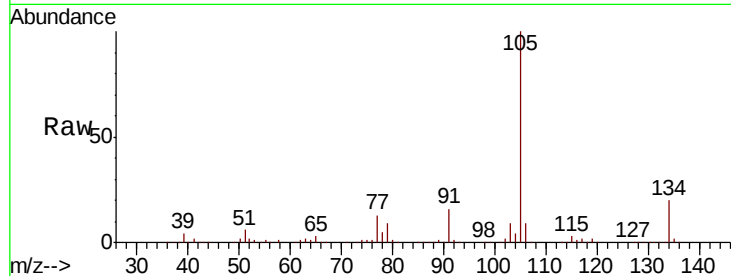


#85
 sec-Butylbenzene
 Concen: 54.030 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

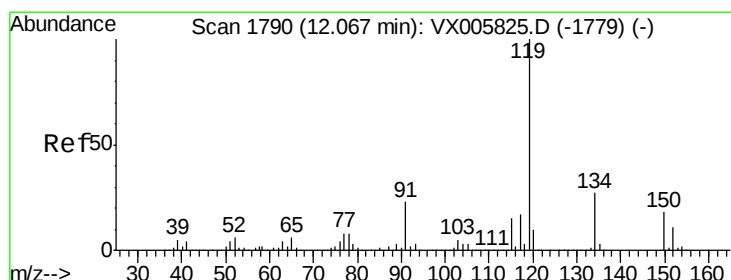
Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4

Manual Integrations
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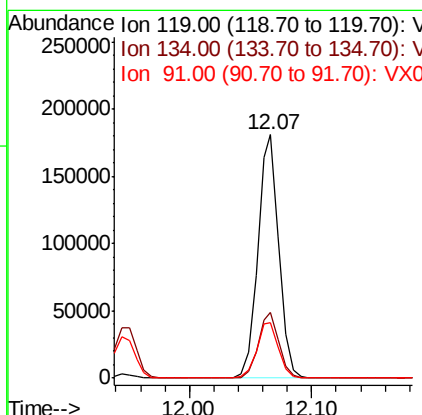
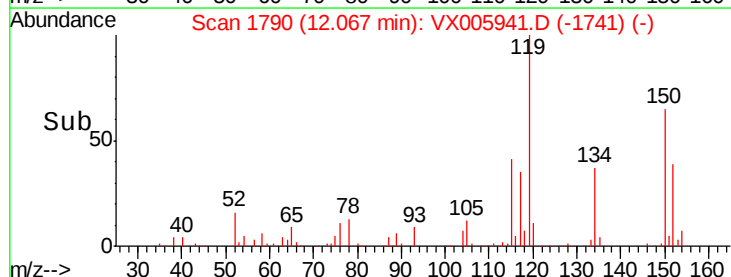
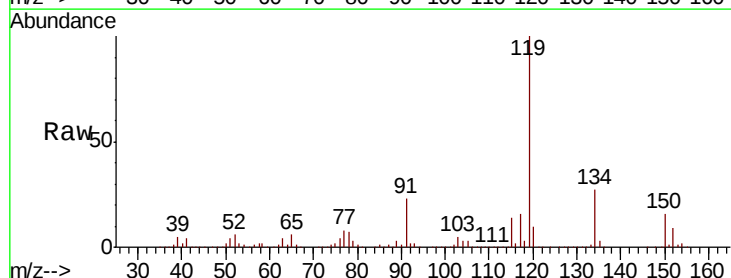
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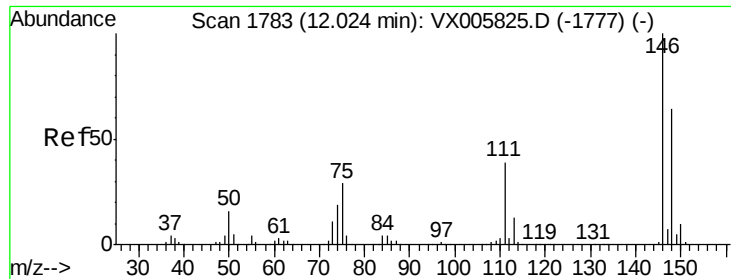
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#86
 p-Isopropyltoluene
 Concen: 55.949 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	39.0
91	23.6	11.4	34.2



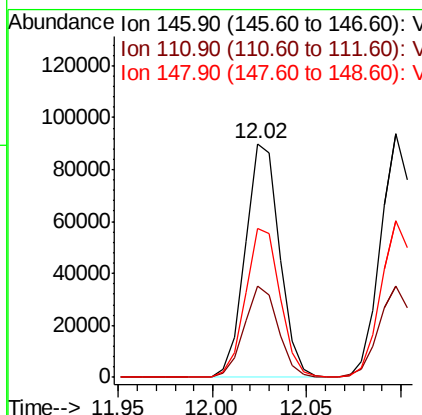
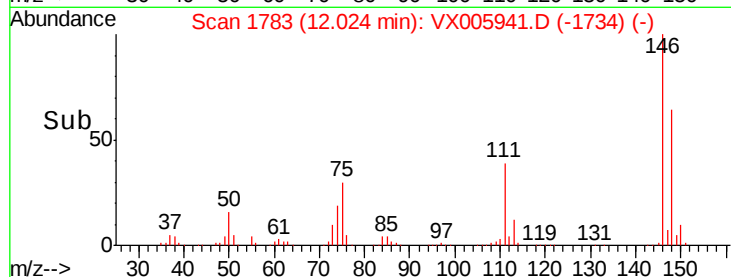
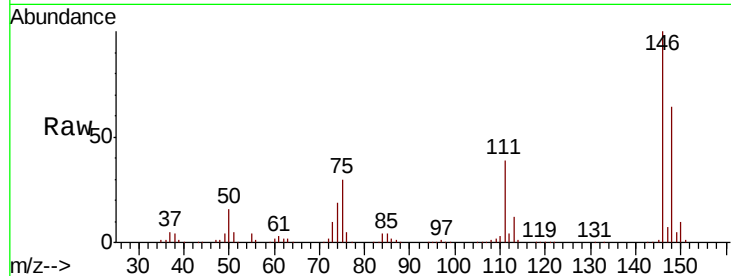


#87
 1,3-Dichlorobenzene
 Concen: 50.717 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

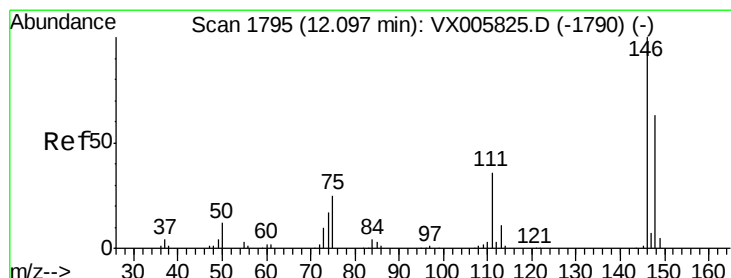
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.1	31.9	95.9

Manual Integrations
 APPROVED



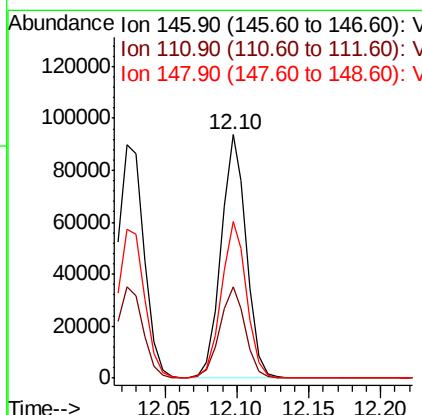
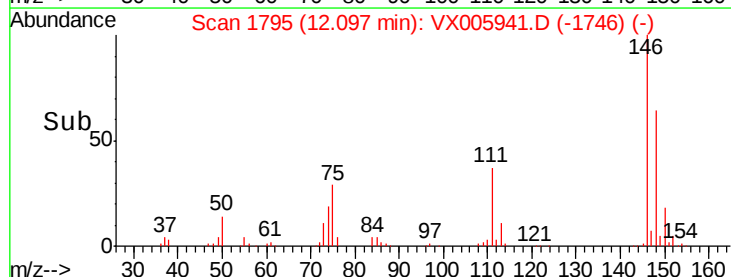
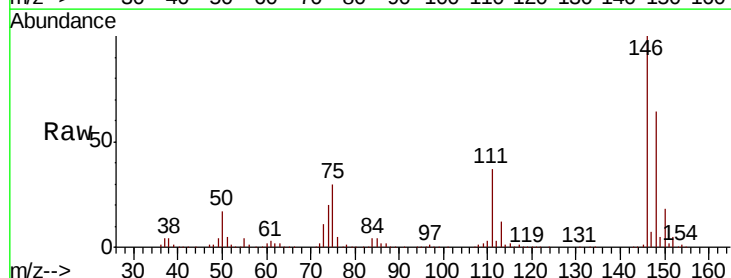
MMDadoda

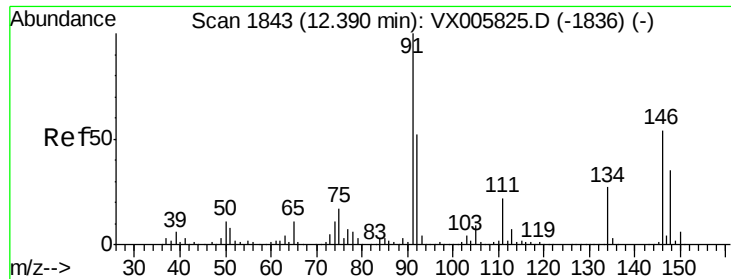
11/14/2018 9:51:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005941.D
 Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.3	32.1	96.3



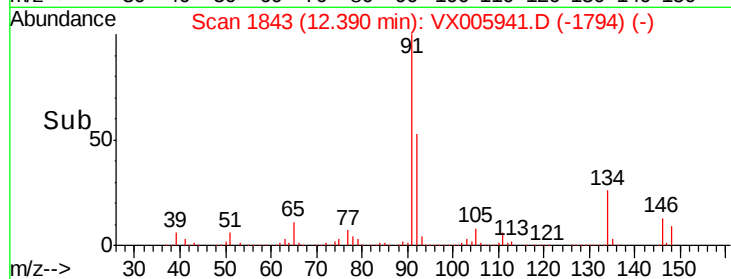
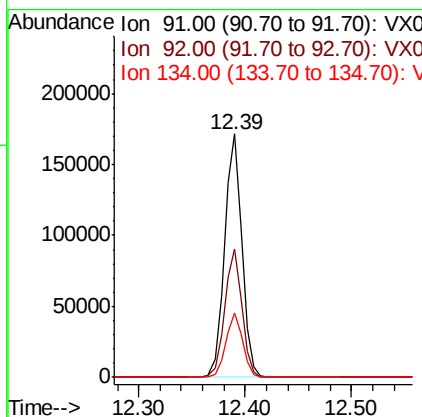
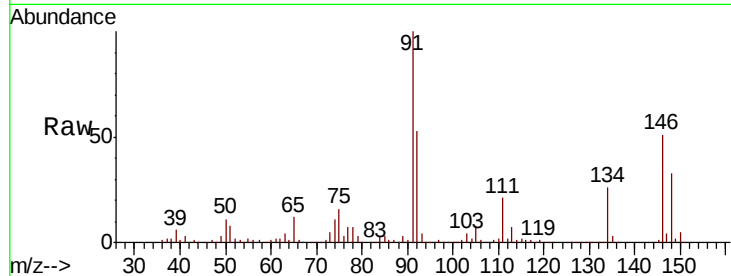


#89
n-Butylbenzene
Concen: 54.501 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

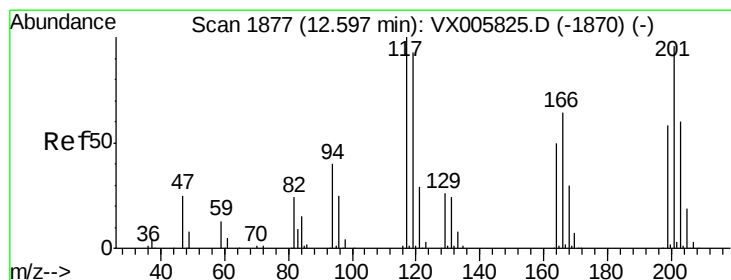
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		195058		
92	51.9	26.1	78.2		
134	25.8	13.1	39.3		

Manual Integrations
APPROVED



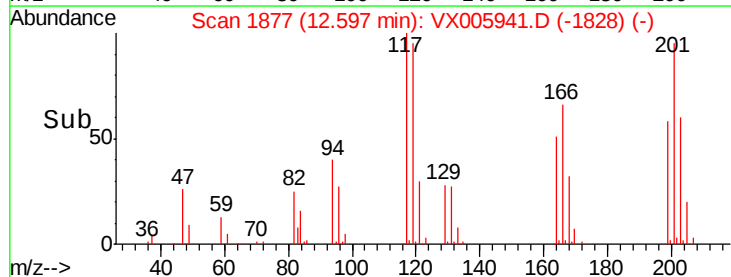
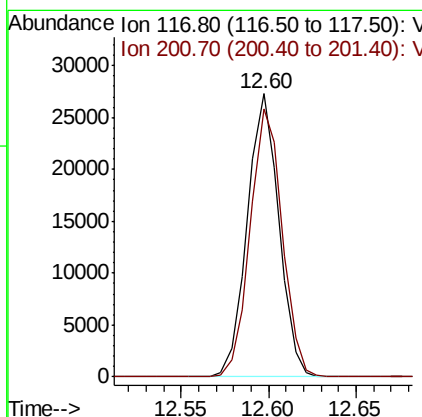
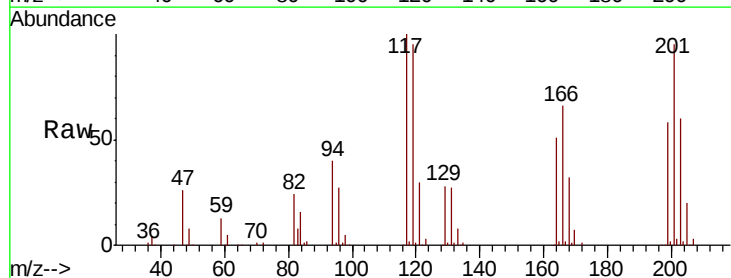
MM Dadoda

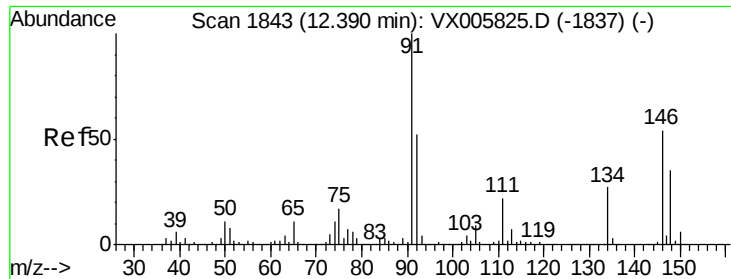
11/14/2018 9:51:17 AM



#90
Hexachloroethane
Concen: 53.113 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		34243		
201	95.9	47.9	143.6		





#91

1,2-Dichlorobenzene

Concen: 50.598 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

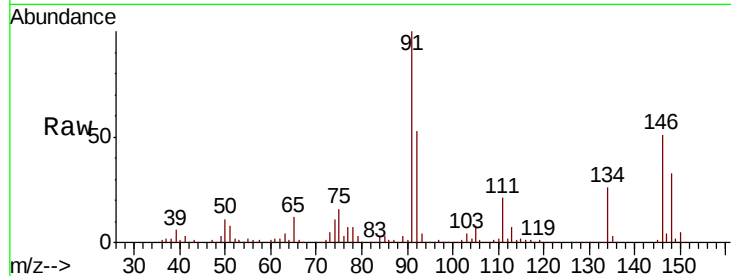
MSVOA_X

ClientSampleId :

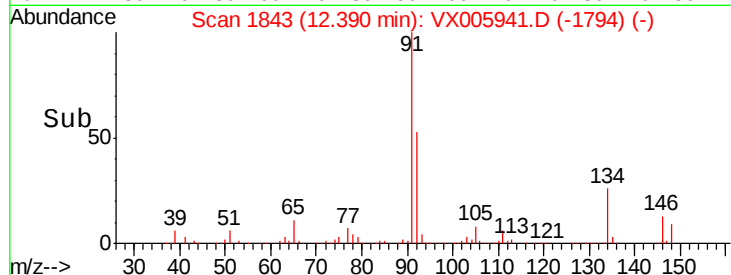
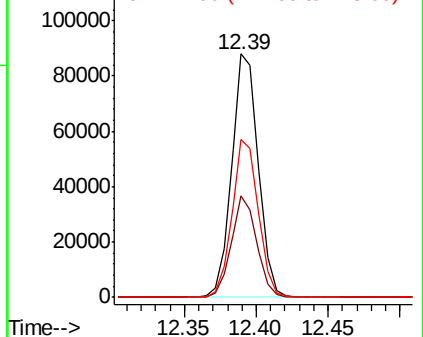
VSTDCCC050

Tot Ion:	146	Resp:	113701
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	59.9
148	64.1	32.2	96.6

Manual Integrations
APPROVED

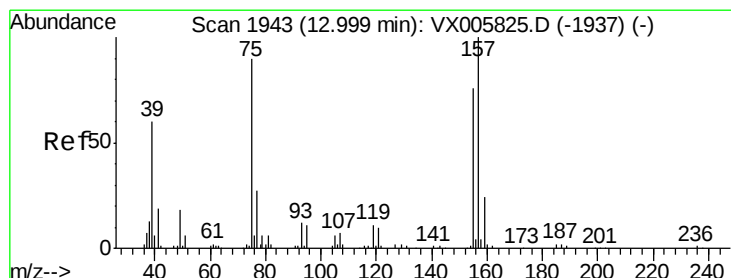


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.113 ug/l

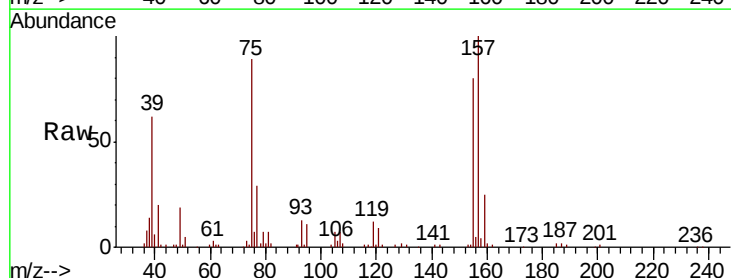
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

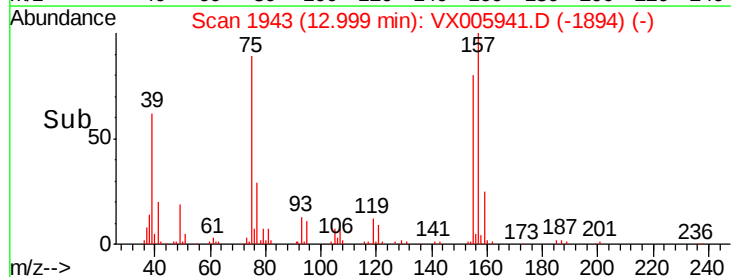
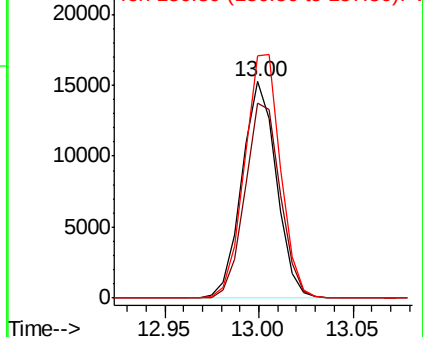
Lab File: VX005941.D

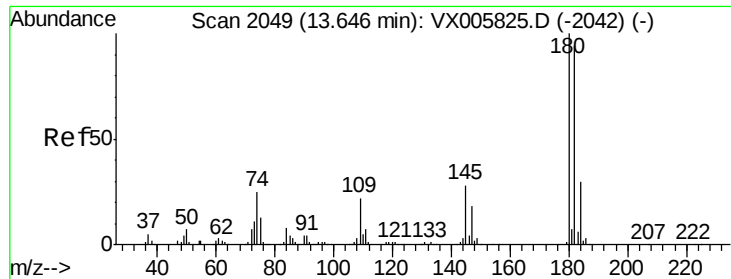
Acq: 13 Nov 2018 11:27

Tgt Ion:	75	Resp:	19356
Ion Ratio	Lower	Upper	
75	100		
155	92.2	45.4	136.1
157	116.7	57.4	172.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



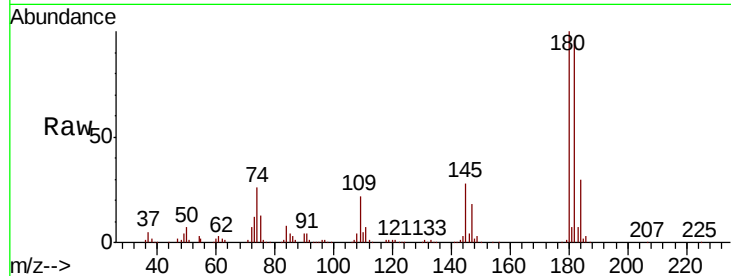


#93
1,2,4-Trichlorobenzene
Concen: 54.909 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.8
145	27.9	14.1	42.2

Manual Integrations
APPROVED

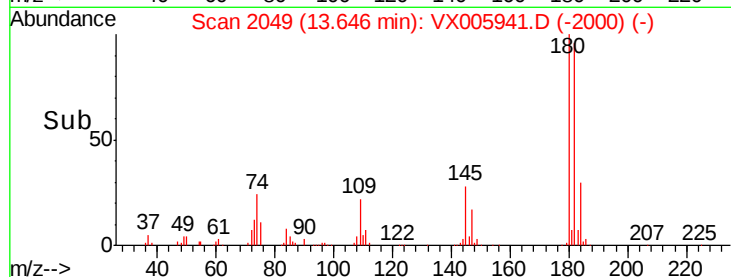
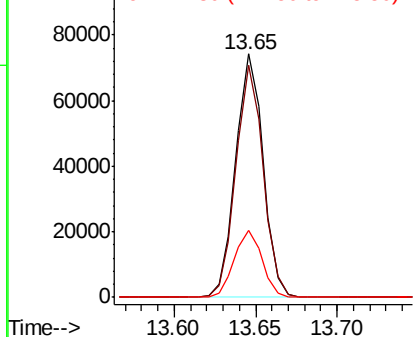


Abundance

Ion 179.80 (179.50 to 180.50): V

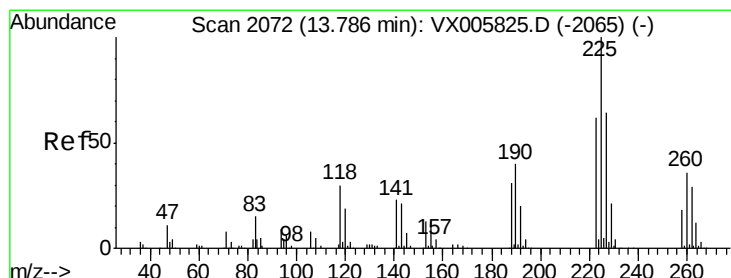
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



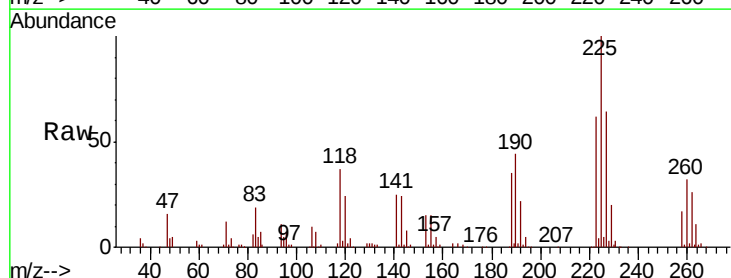
MMDadoda

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#94
Hexachlorobutadiene
Concen: 53.872 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX005941.D
Acq: 13 Nov 2018 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.7	95.1
227	64.6	32.3	96.9

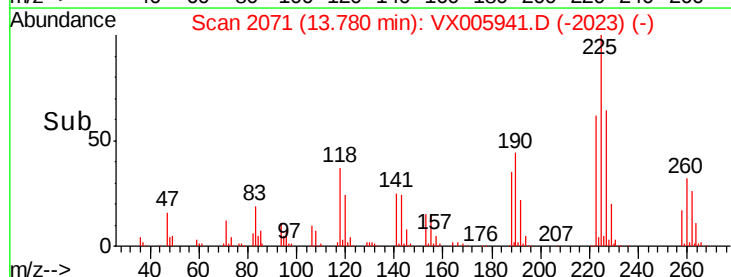
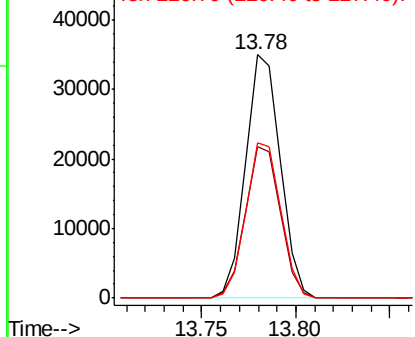


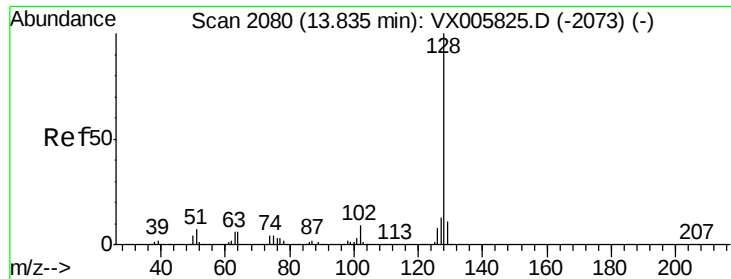
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.951 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Instrument :

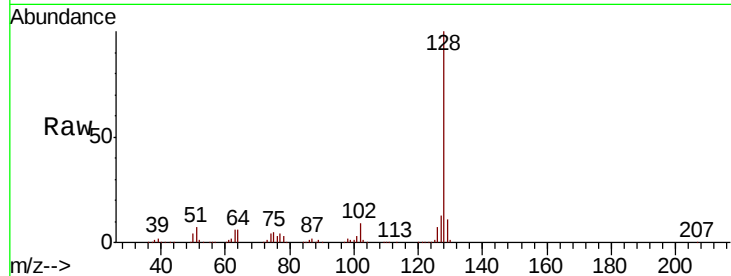
MSVOA_X

ClientSampleId :

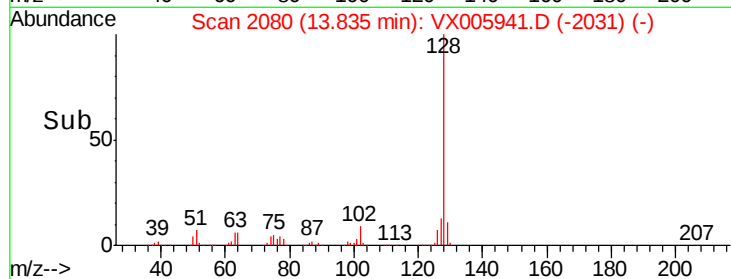
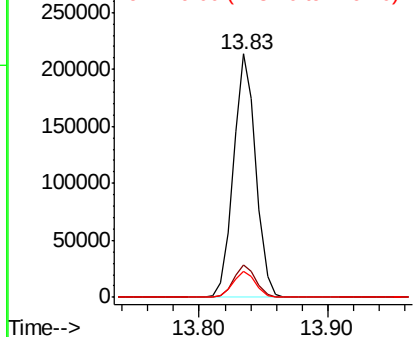
VSTDCCC050

Tot Ion:	128	Resp:	257695
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

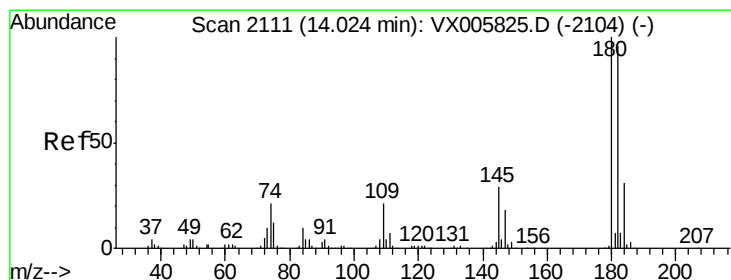


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



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#96

1,2,3-Trichlorobenzene

Concen: 54.292 ug/l

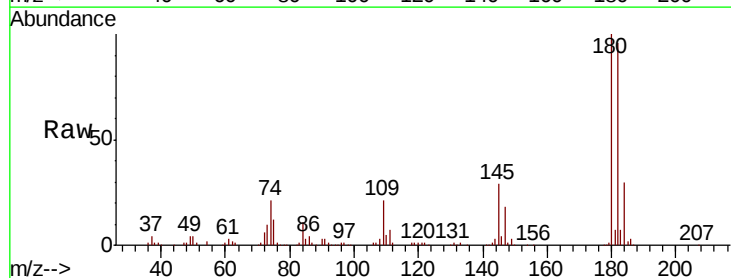
RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005941.D

Acq: 13 Nov 2018 11:27

Tgt Ion:	180	Resp:	87499
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	29.7	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

