

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
 Data File : VX006017.D
 Acq On : 15 Nov 2018 11:59
 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

MMDadoda
 11/16/2018 10:41:00 AM

Quant Time: Nov 15 16:43:09 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	136118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	202174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	72348	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.50	113	62159	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
50) Toluene-d8	8.71	98	219262	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.13	95	83638	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55339	45.09	ug/l	99
3) Chloromethane	1.32	50	69747	43.30	ug/l	98
4) Vinyl Chloride	1.41	62	75433	46.65	ug/l	92
5) Bromomethane	1.64	94	42084	42.53	ug/l	94
6) Chloroethane	1.71	64	44053	45.66	ug/l	99
7) Trichlorofluoromethane	1.93	101	95566	44.53	ug/l	98
8) Diethyl Ether	2.19	74	40788	48.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	60992	49.41	ug/l	99
10) Methyl Iodide	2.51	142	74909	50.07	ug/l	96
11) Tert butyl alcohol	3.07	59	101485	226.39	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53973	44.86	ug/l	96
13) Acrolein	2.29	56	56392	262.77	ug/l	98
14) Allyl chloride	2.73	41	124793	46.44	ug/l	98
15) Acrylonitrile	3.15	53	229686	247.24	ug/l	99
16) Acetone	2.45	43	195672	232.24	ug/l	99
17) Carbon Disulfide	2.57	76	146661	40.87	ug/l	100
18) Methyl Acetate	2.78	43	116887	51.82	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	213551	52.00	ug/l	94
20) Methylene Chloride	2.85	84	65618	47.41	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	59212	46.66	ug/l	98
22) Diisopropyl ether	3.87	45	236181	50.17	ug/l	# 96
23) Vinyl Acetate	3.82	43	1013908	251.22	ug/l	100
24) 1,1-Dichloroethane	3.70	63	119294	47.50	ug/l	99
25) 2-Butanone	4.70	43	324687	245.11	ug/l	100
26) 2,2-Dichloropropane	4.58	77	97946	53.17	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	71367	50.93	ug/l	99
28) Bromochloromethane	5.02	49	58175	51.83	ug/l	98
29) Tetrahydrofuran	5.15	42	204819	240.82	ug/l	99
30) Chloroform	5.21	83	117213	48.38	ug/l	94
31) Cyclohexane	5.58	56	102359	46.95	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	95905	47.46	ug/l	98
36) 1,1-Dichloropropene	5.80	75	85536	43.89	ug/l	98
37) Ethyl Acetate	4.86	43	118859	46.38	ug/l	100
38) Carbon Tetrachloride	5.79	117	83300	42.69	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94803	47.99	ug/l	97
40) Benzene	6.15	78	243571	42.87	ug/l	99
41) Methacrylonitrile	5.06	41	66468	47.99	ug/l	98
42) 1,2-Dichloroethane	6.20	62	89479	43.97	ug/l	99
43) Isopropyl Acetate	6.46	43	165776	44.64	ug/l	96
44) Trichloroethene	7.21	130	67396	46.71	ug/l	98
45) 1,2-Dichloropropane	7.52	63	66118	47.94	ug/l	99
46) Dibromomethane	7.66	93	41338	47.77	ug/l	100
47) Bromodichloromethane	7.90	83	80592	49.28	ug/l	98
48) Methyl methacrylate	7.77	41	84820	50.86	ug/l	98
49) 1,4-Dioxane	7.75	88	35632	991.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	569404	243.27	ug/l	98
52) Toluene	8.79	92	149729	47.15	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	93467	48.43	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	100798	51.24	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	62880	44.43	ug/l	98
56) Ethyl methacrylate	9.18	69	103367	48.81	ug/l	97
57) 1,3-Dichloropropane	9.37	76	106443	44.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	266506	231.60	ug/l	100
59) 2-Hexanone	9.49	43	451110	218.65	ug/l	98
60) Dibromochloromethane	9.59	129	65327	42.71	ug/l	99
61) 1,2-Dibromoethane	9.67	107	65336	41.75	ug/l	100
64) Tetrachloroethene	9.34	164	67834	44.50	ug/l	98
65) Chlorobenzene	10.14	112	171446	47.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	62264	49.93	ug/l	99
67) Ethyl Benzene	10.25	91	295678	51.41	ug/l	99
68) m/p-Xylenes	10.36	106	228894	104.33	ug/l	100
69) o-Xylene	10.70	106	109623	55.72	ug/l	100
70) Styrene	10.71	104	185259	57.09	ug/l	100
71) Bromoform	10.86	173	53545	51.22	ug/l #	99
73) Isopropylbenzene	11.02	105	303902	52.57	ug/l	99
74) N-amyl acetate	10.90	43	152495	47.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	103291	48.68	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	101260m	49.75	ug/l	
77) Bromobenzene	11.26	156	78951	48.45	ug/l	99
78) n-propylbenzene	11.36	91	354895	52.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	207714	50.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	258774	52.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	33396	52.29	ug/l	96
82) 4-Chlorotoluene	11.51	91	246541	50.80	ug/l	100
83) tert-Butylbenzene	11.77	119	256337	51.58	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	266948	49.24	ug/l	100
85) sec-Butylbenzene	11.94	105	313918	51.65	ug/l	100
86) p-Isopropyltoluene	12.07	119	285002	52.94	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	148511	47.49	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151581	47.35	ug/l	100
89) n-Butylbenzene	12.39	91	256275	51.36	ug/l	100
90) Hexachloroethane	12.60	117	44331	49.32	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	148477	47.40	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25401	49.06	ug/l	97

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VSTDCCC050

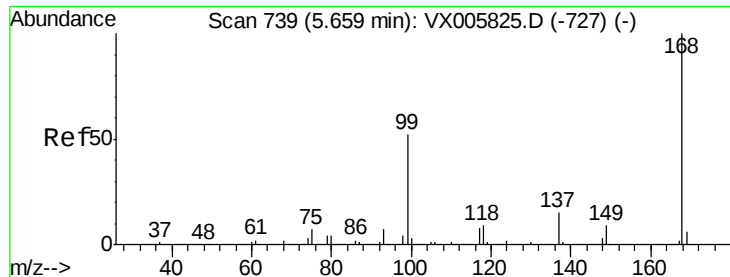
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114061	51.72	ug/l	100
94) Hexachlorobutadiene	13.79	225	57011	49.21	ug/l	98
95) Naphthalene	13.83	128	348474	48.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115842	51.56	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 136118

Ion Ratio Lower Upper

168 100

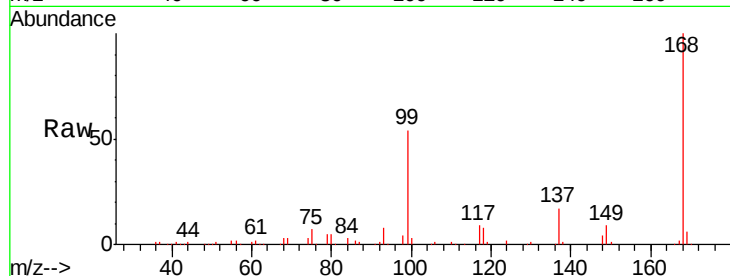
99 54.2 40.7 61.1

Manual Integrations

APPROVED

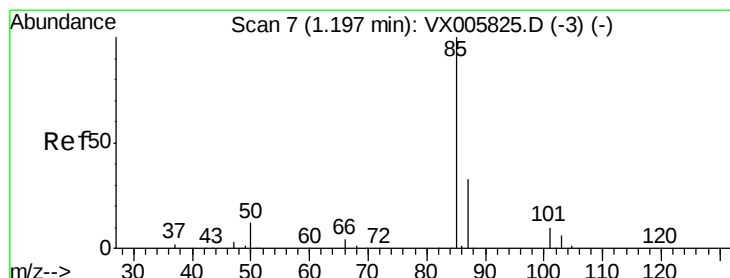
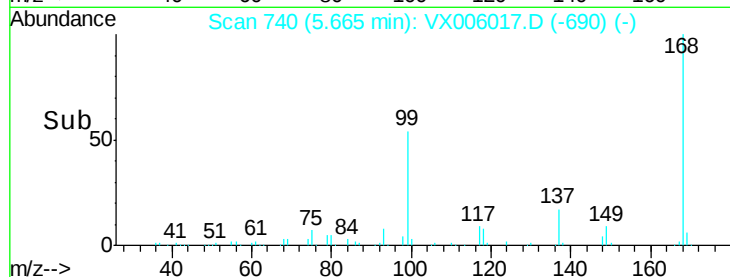
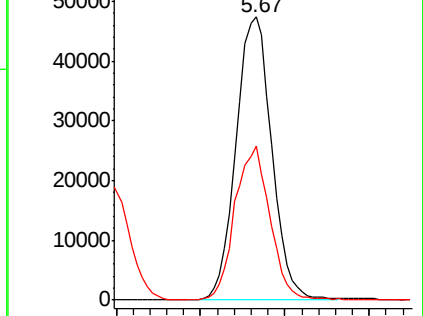
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.09 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006017.D

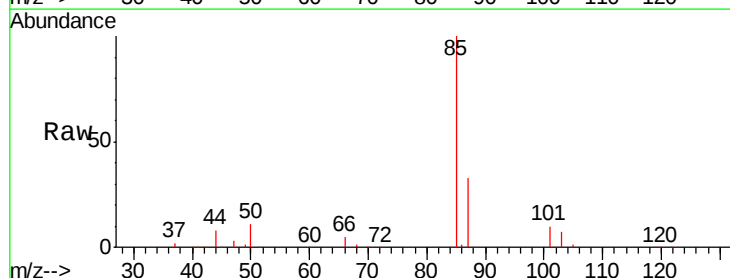
Acq: 15 Nov 2018 11:59

Tgt Ion: 85 Resp: 55339

Ion Ratio Lower Upper

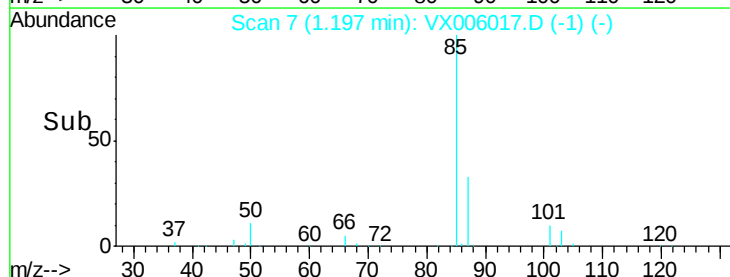
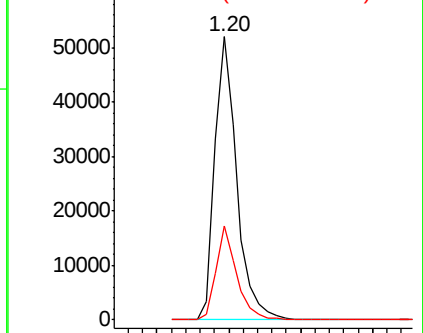
85 100

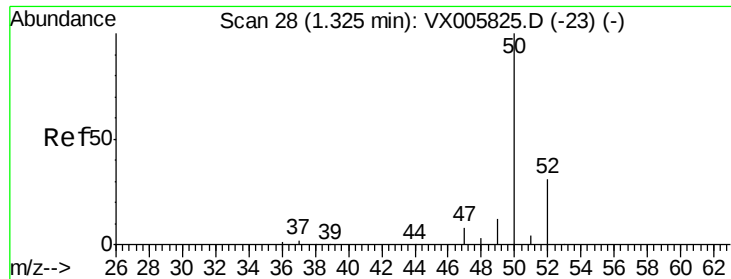
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.30 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 69747

Ion Ratio Lower Upper

50 100

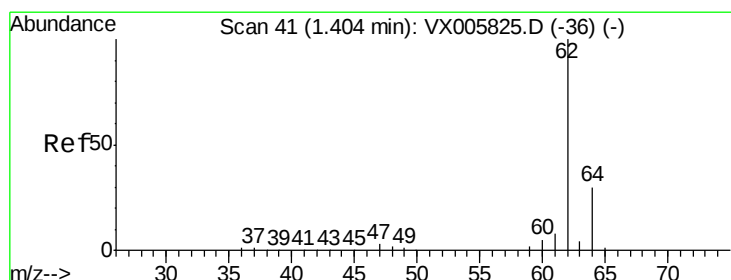
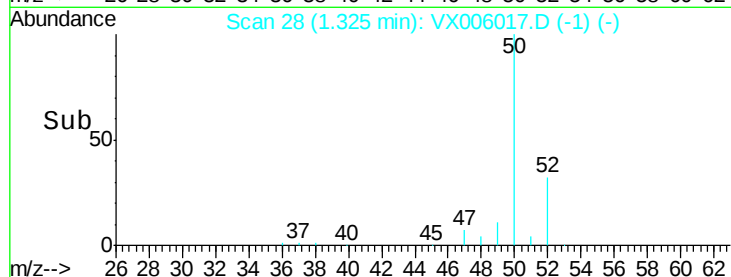
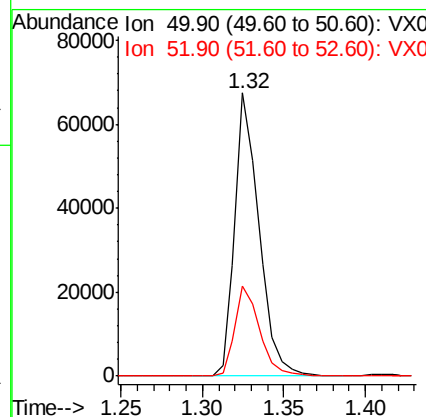
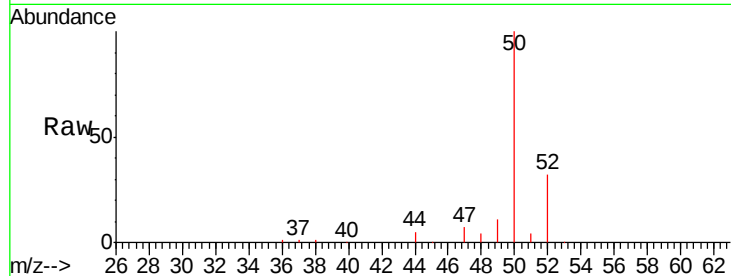
52 31.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.65 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006017.D

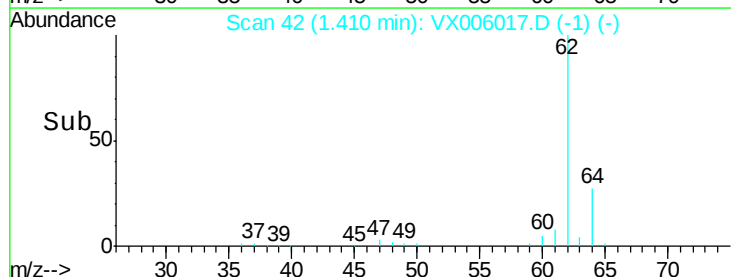
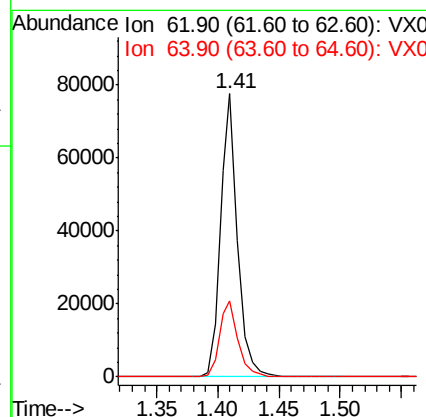
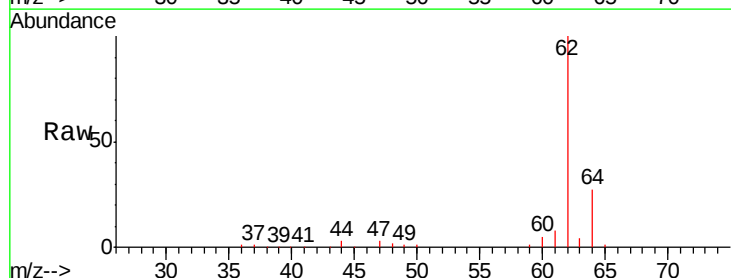
Acq: 15 Nov 2018 11:59

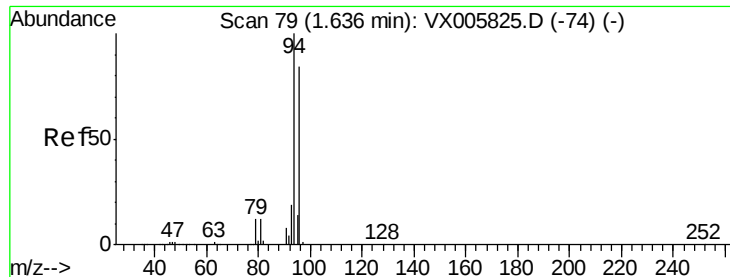
Tgt Ion: 62 Resp: 75433

Ion Ratio Lower Upper

62 100

64 27.1 25.3 37.9





#5

Bromomethane

Concen: 42.53 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 42084

Ion Ratio Lower Upper

94 100

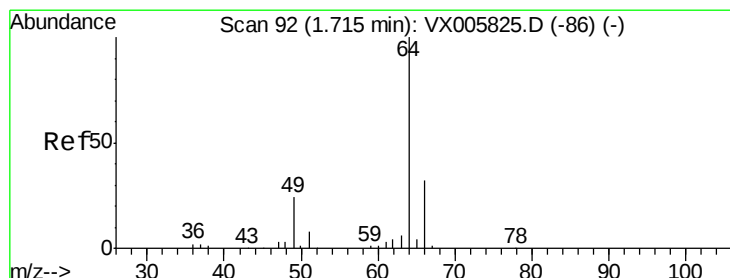
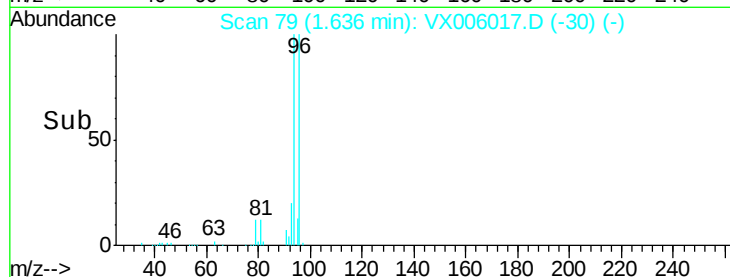
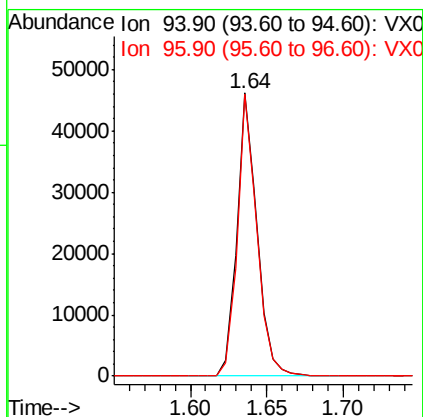
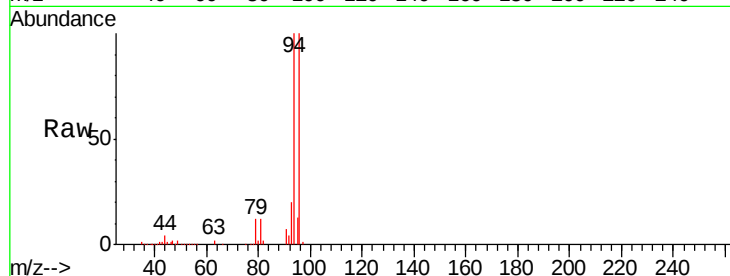
96 99.7 75.2 112.8

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#6

Chloroethane

Concen: 45.66 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006017.D

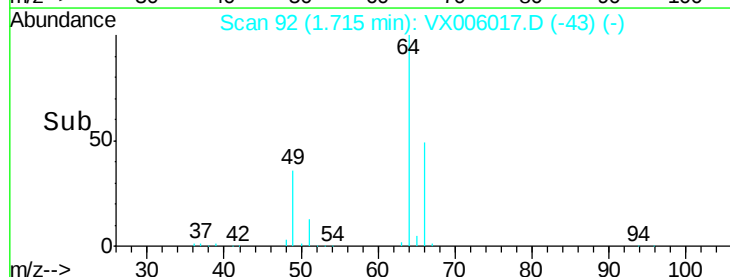
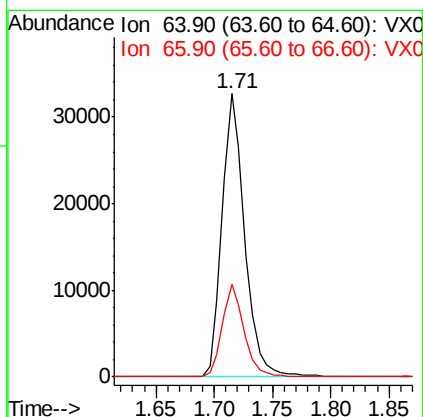
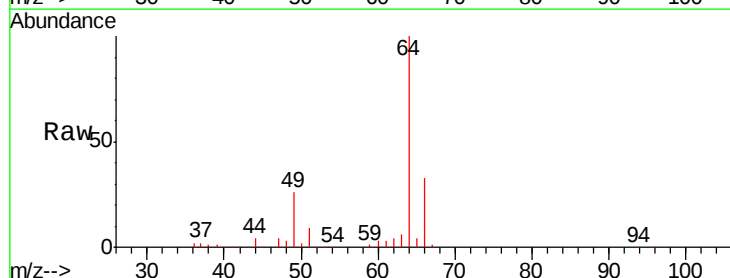
Acq: 15 Nov 2018 11:59

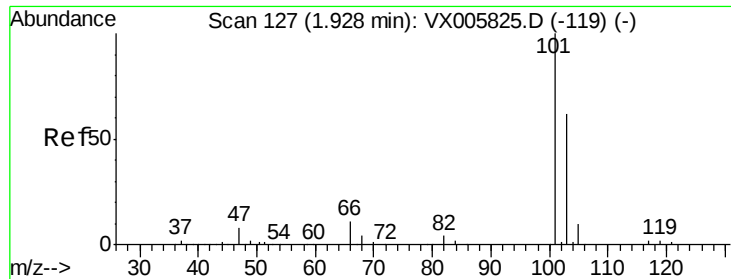
Tgt Ion: 64 Resp: 44053

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6





#7

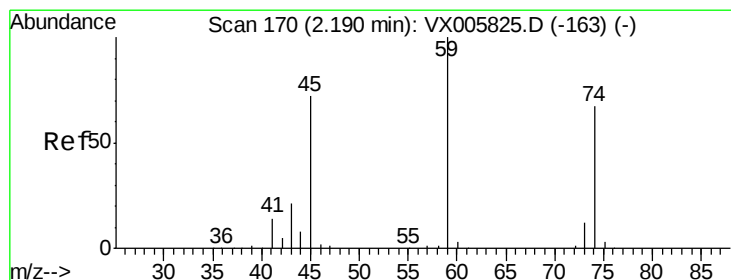
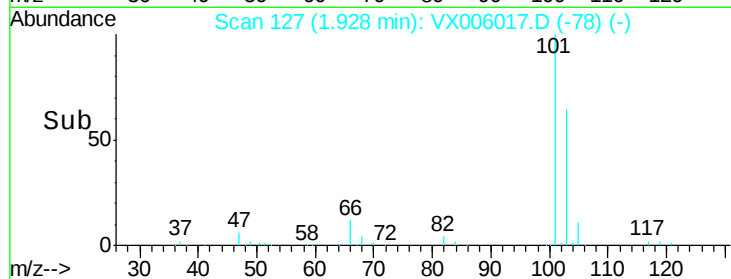
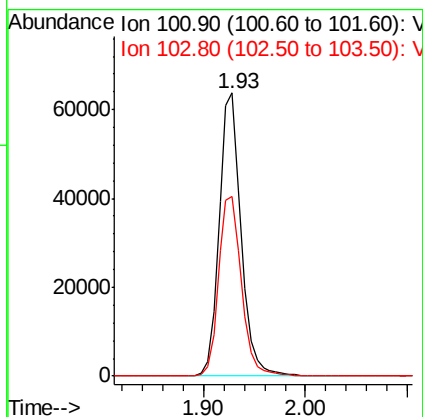
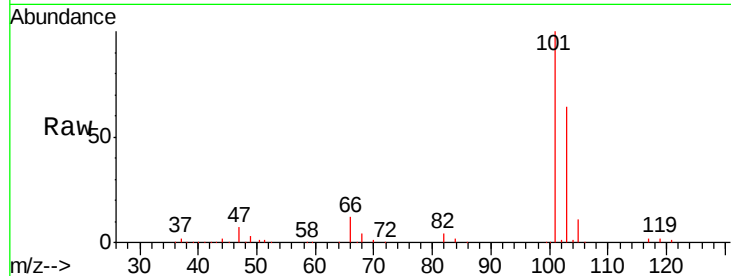
Trichlorofluoromethane
 Concen: 44.53 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 95566
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.0 75.0

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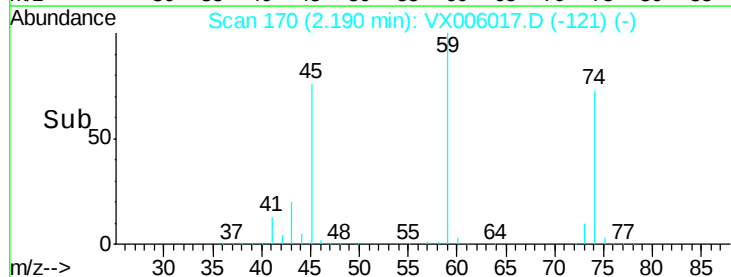
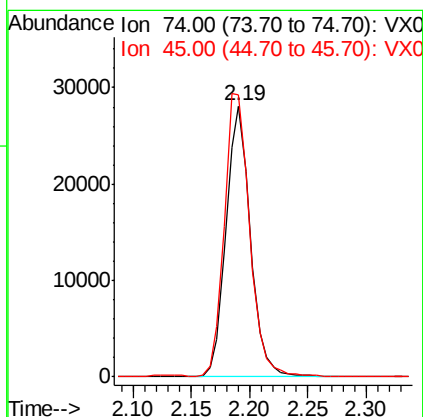
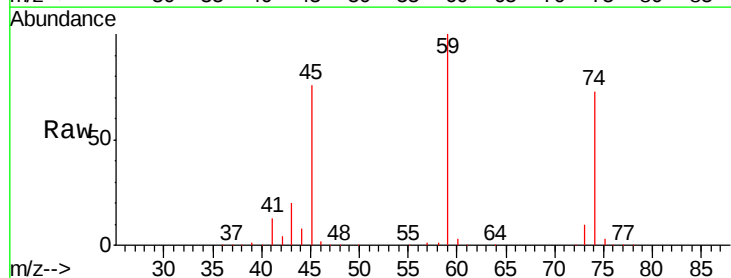
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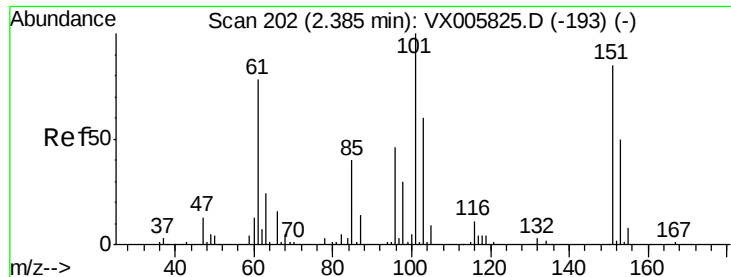


#8

Diethyl Ether
 Concen: 48.50 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion: 74 Resp: 40788
 Ion Ratio Lower Upper
 74 100
 45 108.8 54.1 162.3





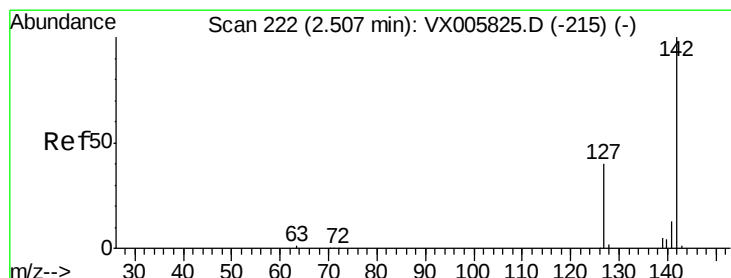
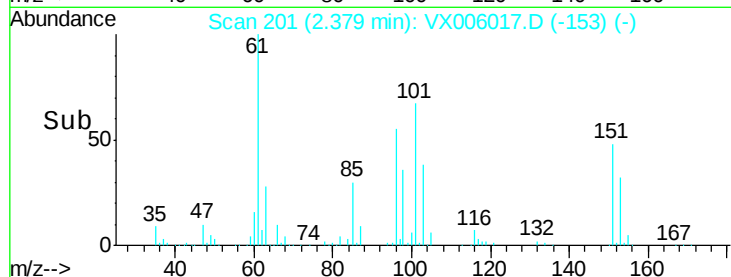
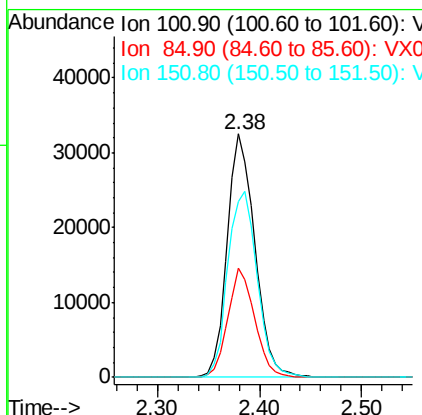
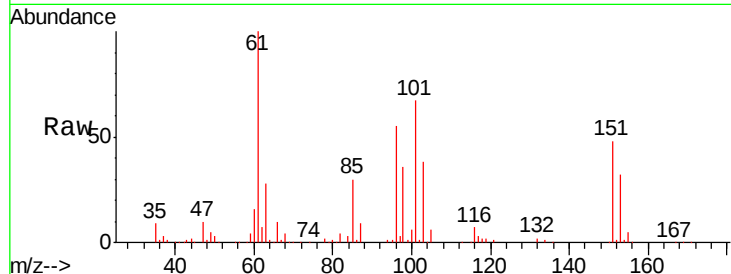
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.41 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	60992		
85	43.6	35.0	52.4	
151	81.5	66.2	99.2	

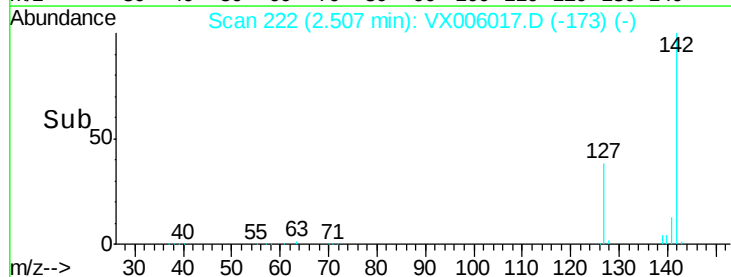
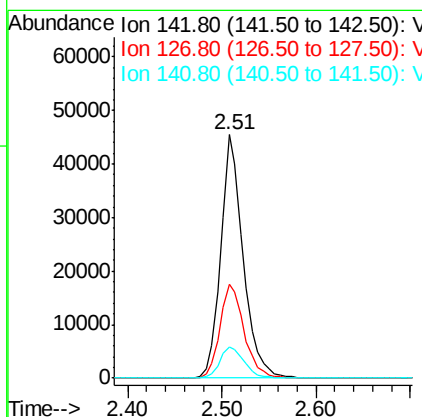
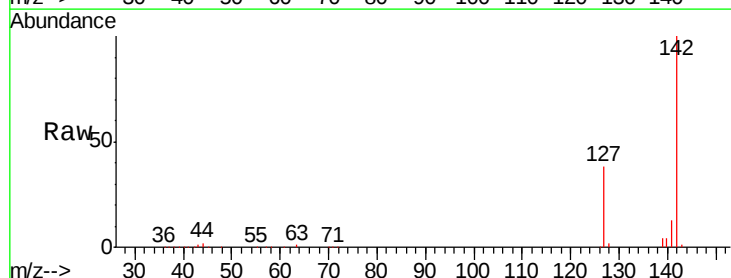
Manual Integrations
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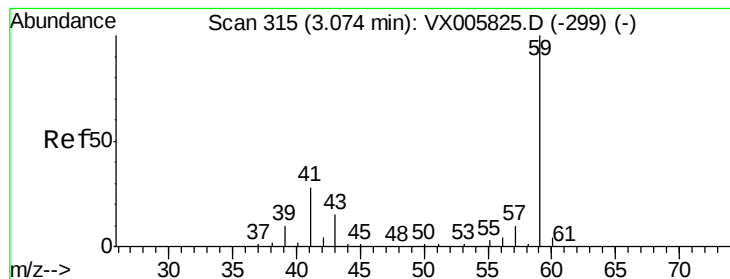
MMDadoda
 11/16/2018 10:41:00 AM



#10
 Methyl Iodide
 Concen: 50.07 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	74909		
127	41.5	36.0	54.0	
141	13.9	11.7	17.5	





#11

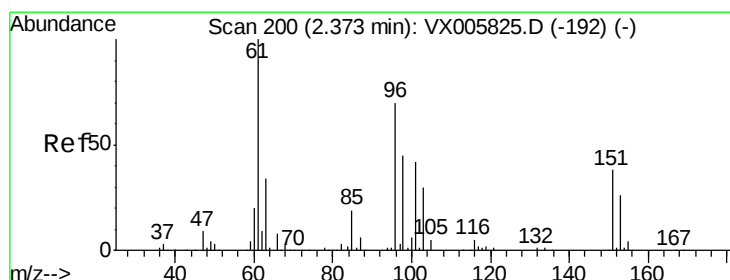
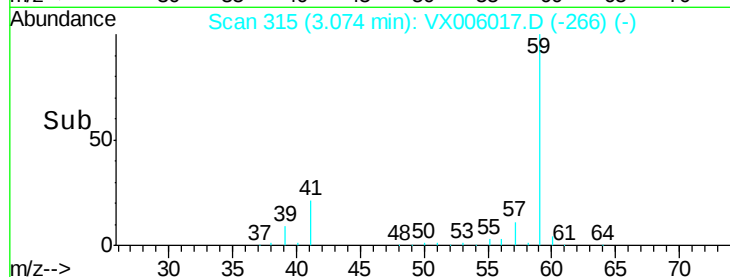
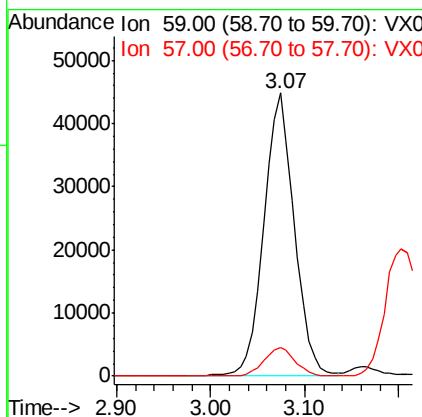
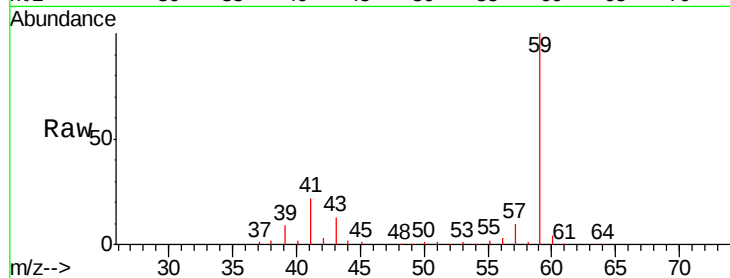
Tert butyl alcohol
Concen: 226.39 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
APPROVED

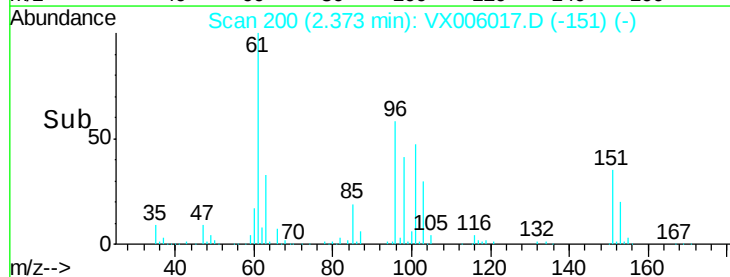
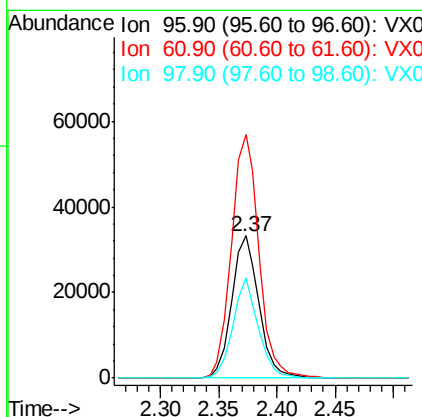
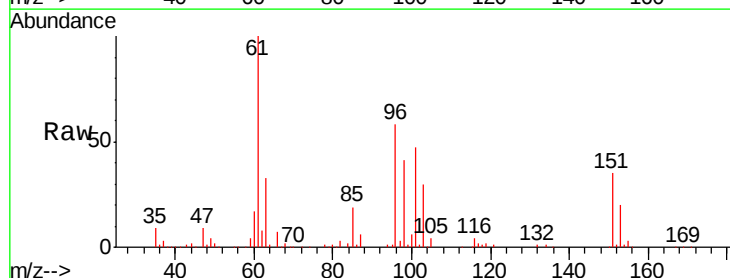
MMDadoda
11/16/2018 10:41:00 AM

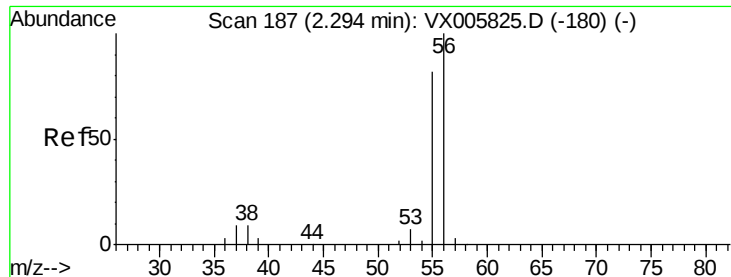


#12

1,1-Dichloroethene
Concen: 44.86 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	131.8	197.8
98	70.0	53.4	80.2





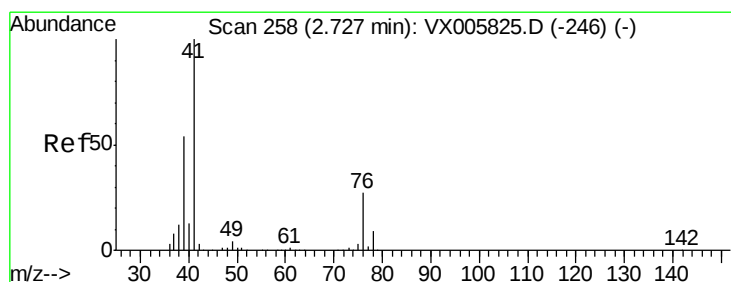
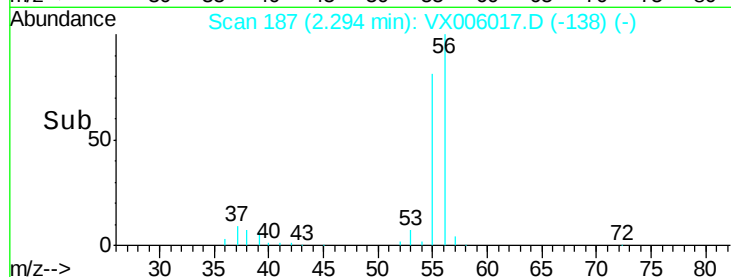
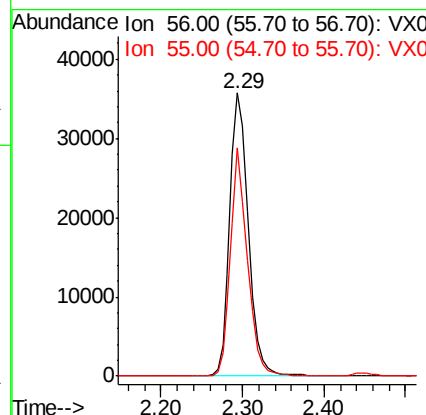
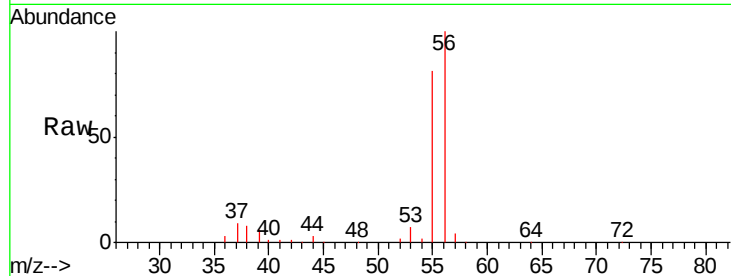
#13
Acrolein
Concen: 262.77 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 56392
Ion Ratio Lower Upper
56 100
55 73.6 57.3 85.9

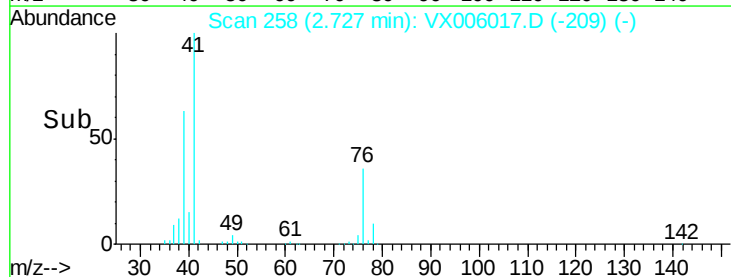
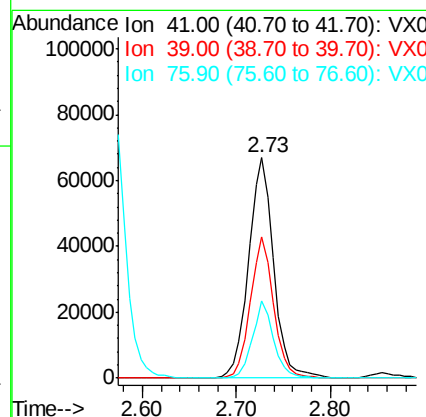
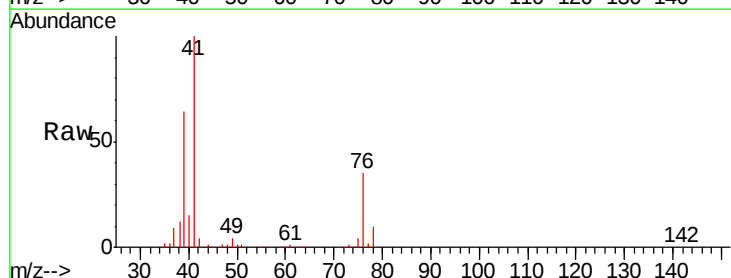
Manual Integrations
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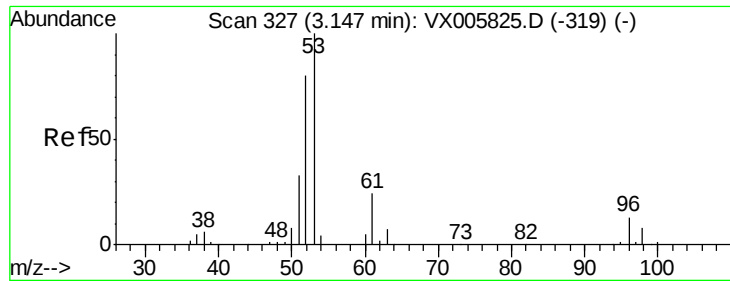
MMDadoda
11/16/2018 10:41:00 AM



#14
Allyl chloride
Concen: 46.44 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion: 41 Resp: 124793
Ion Ratio Lower Upper
41 100
39 59.2 48.2 72.4
76 29.7 21.9 32.9





#15

Acrylonitrile

Concen: 247.24 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

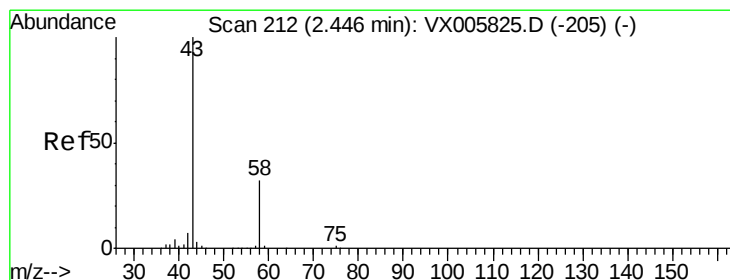
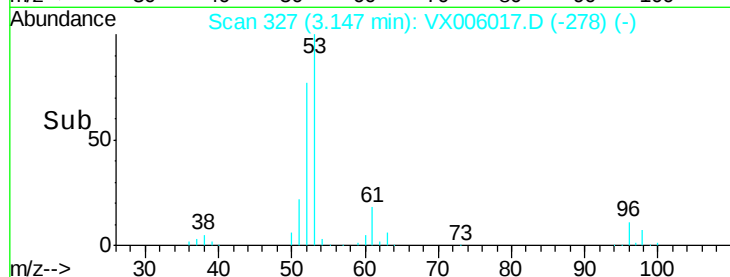
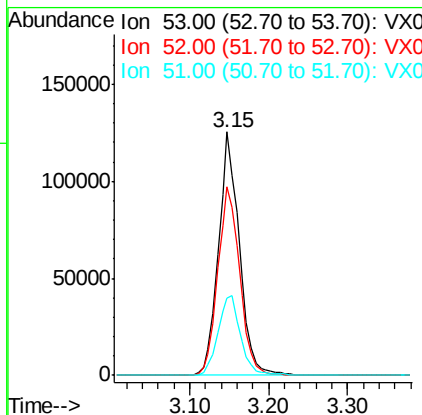
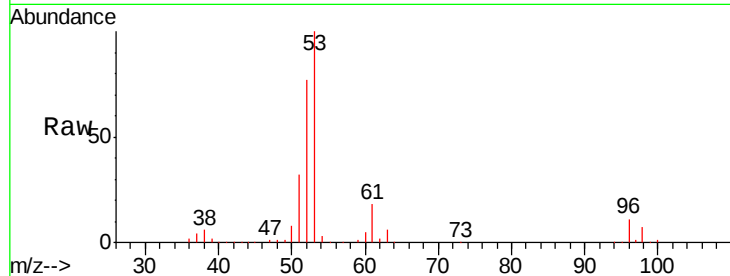
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	229686
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.6	99.8
51	35.9	28.4	42.6

Manual Integrations
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11/16/2018 10:41:00 AM



#16

Acetone

Concen: 232.24 ug/l

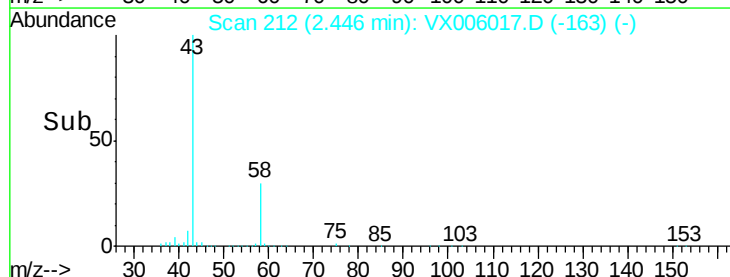
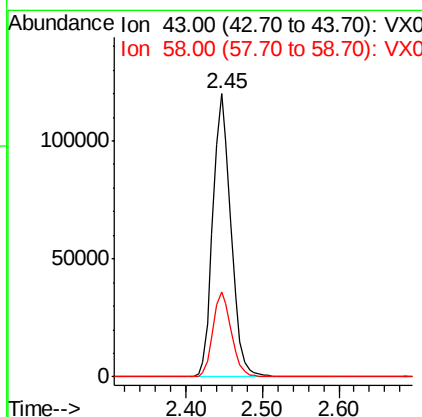
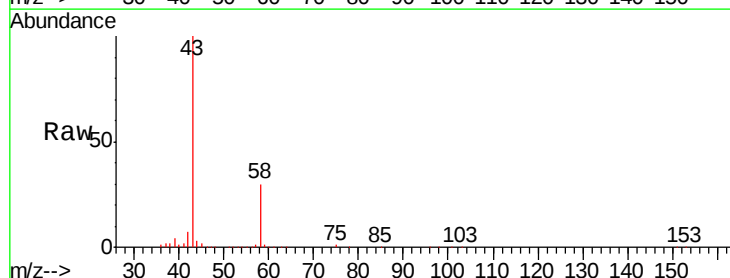
RT: 2.45 min Scan# 212

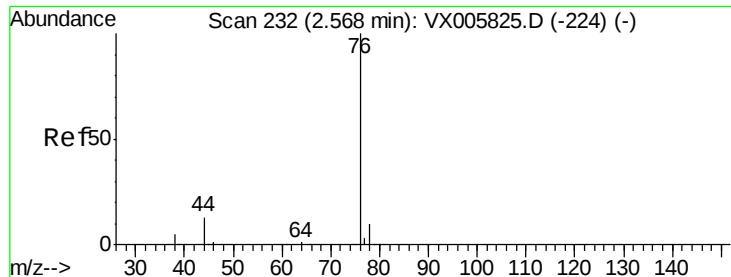
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	43	Resp:	195672
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.8	35.6





#17

Carbon Disulfide

Concen: 40.87 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 146661

Ion Ratio Lower Upper

76 100

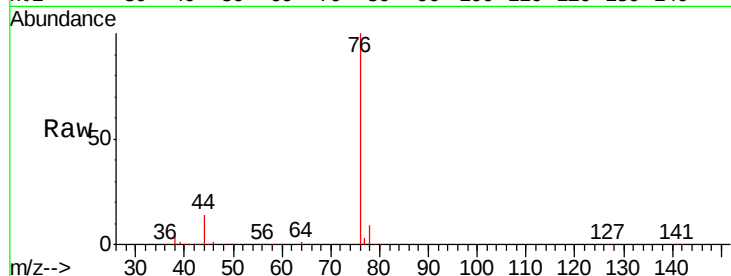
78 9.1 7.3 10.9

Manual Integrations

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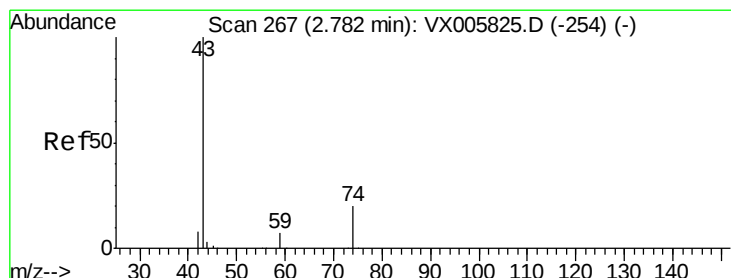
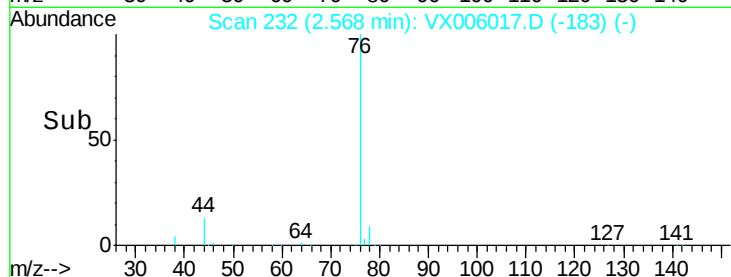
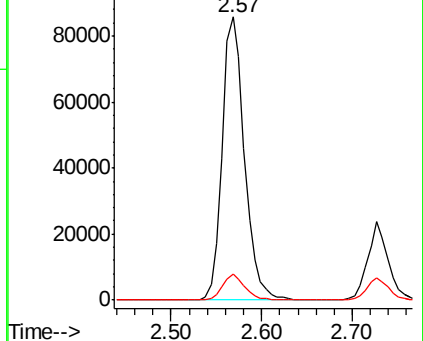
MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.82 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006017.D

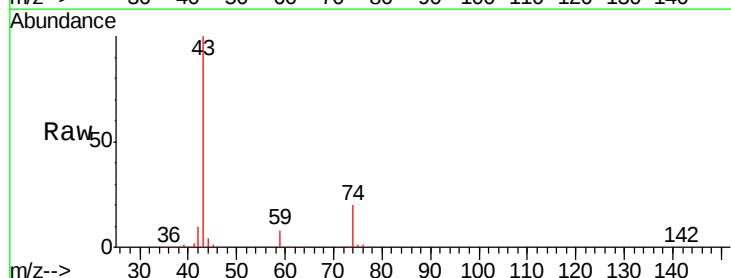
Acq: 15 Nov 2018 11:59

Tgt Ion: 43 Resp: 116887

Ion Ratio Lower Upper

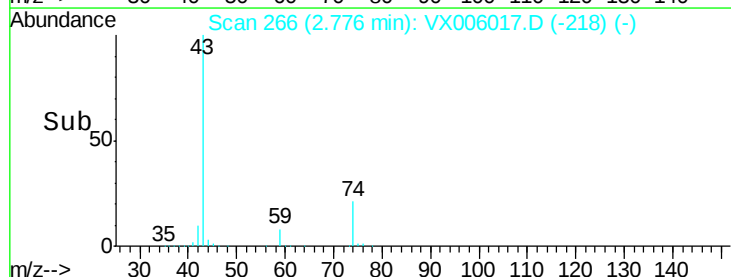
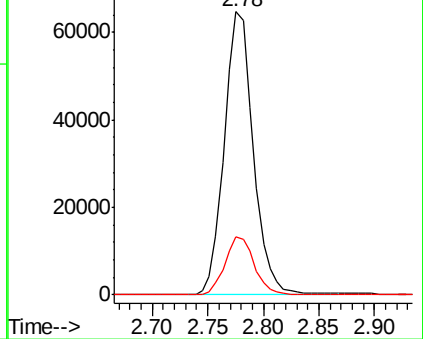
43 100

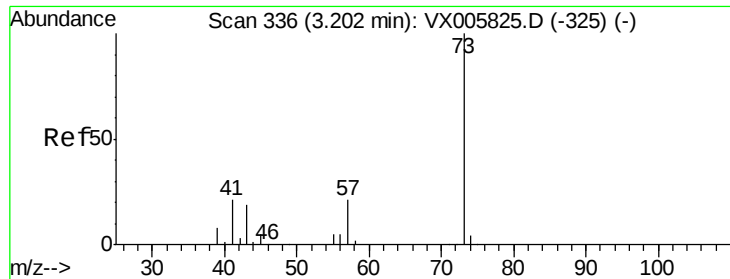
74 20.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





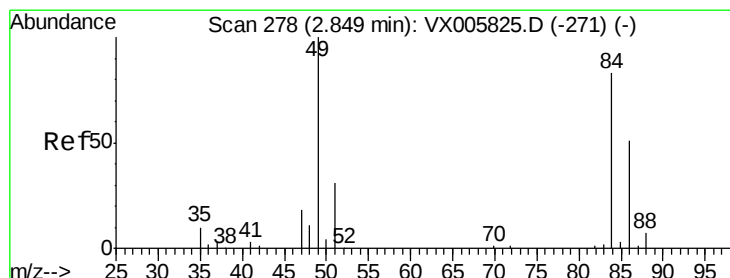
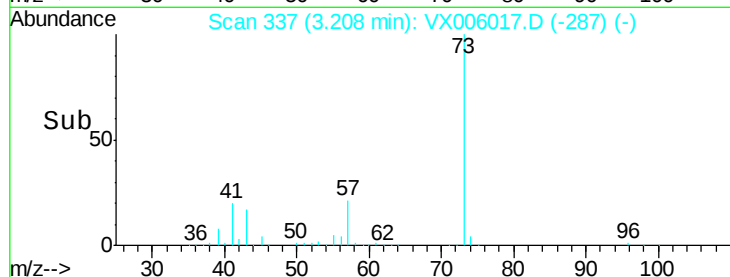
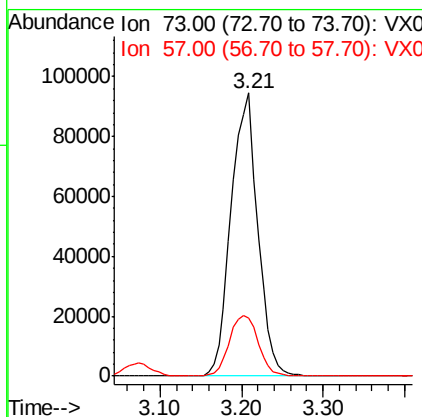
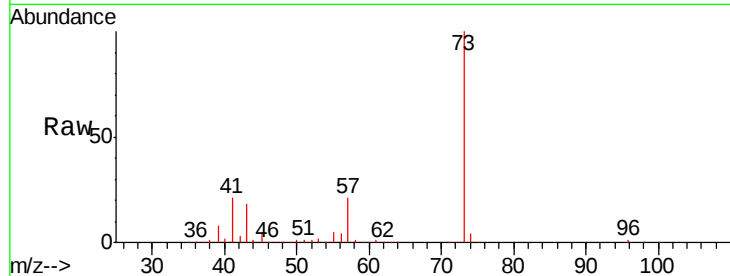
#19
Methyl tert-butyl Ether
Concen: 52.00 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 21351
Ion Ratio Lower Upper
73 100
57 20.6 18.8 28.2

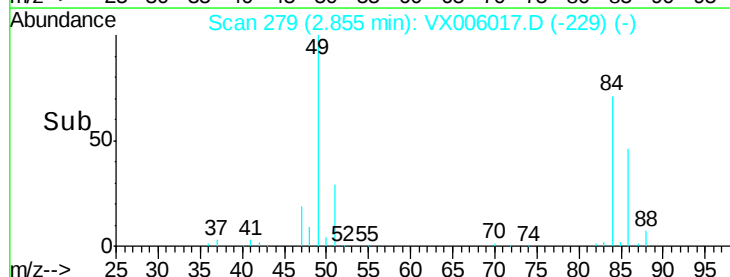
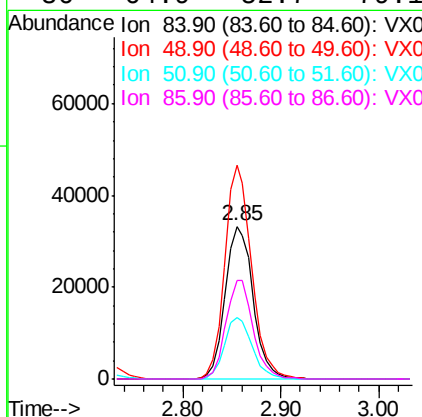
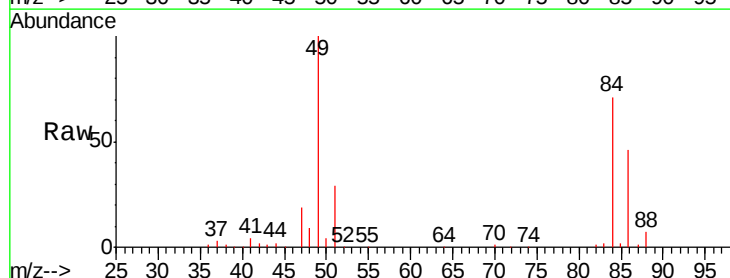
Manual Integrations
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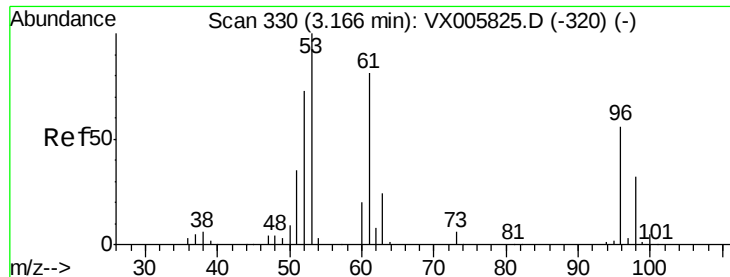
MMDadoda
11/16/2018 10:41:00 AM



#20
Methylene Chloride
Concen: 47.41 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion: 84 Resp: 65618
Ion Ratio Lower Upper
84 100
49 140.0 109.5 164.3
51 40.3 33.3 49.9
86 64.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 46.66 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

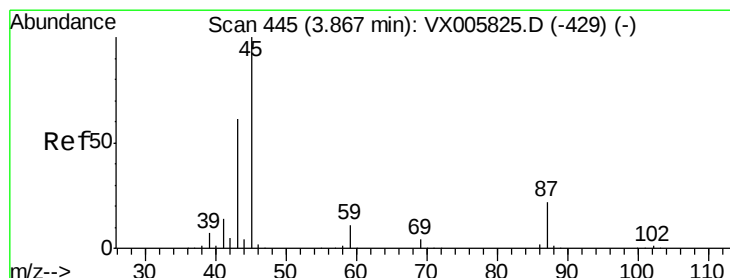
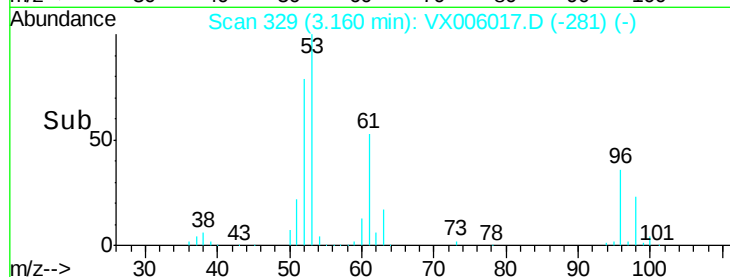
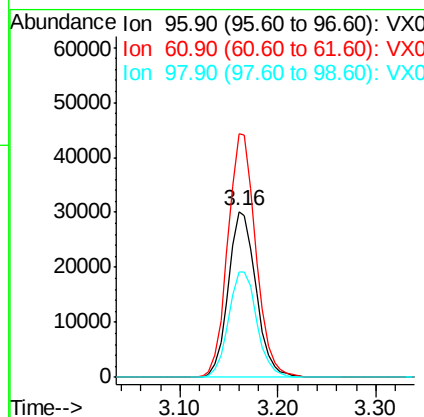
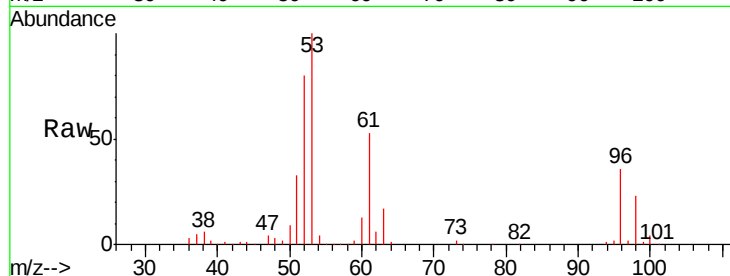
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	59212
Ion	Ratio	Lower	Upper
96	100		
61	147.0	115.6	173.4
98	63.7	50.2	75.2

Manual Integrations
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11/16/2018 10:41:00 AM



#22

Diisopropyl ether

Concen: 50.17 ug/l

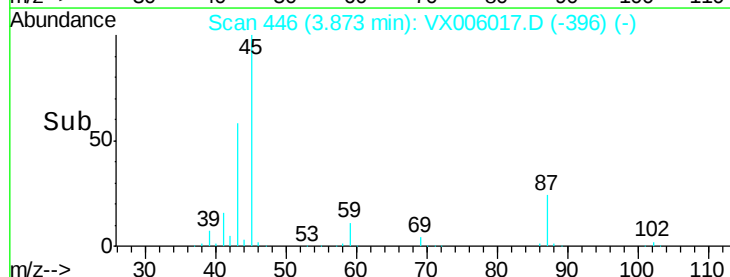
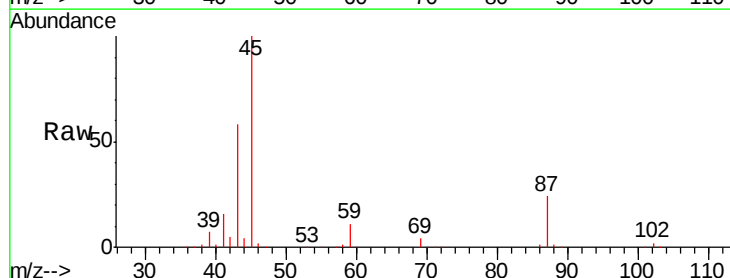
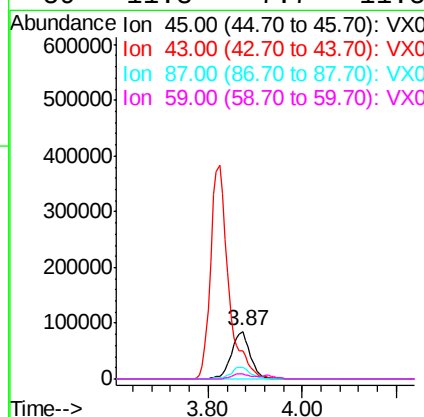
RT: 3.87 min Scan# 446

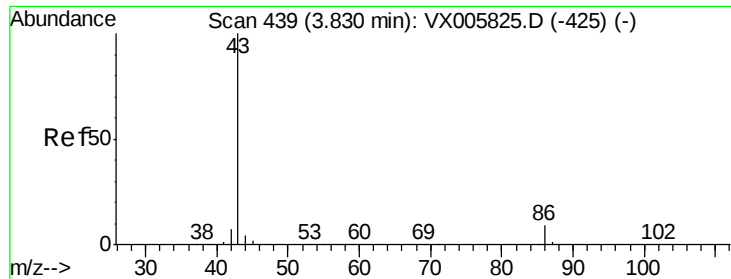
Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	45	Resp:	236181
Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.4	71.2
87	24.3	15.9	23.9#
59	11.3	7.7	11.5





#23

Vinyl Acetate

Concen: 251.22 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1013908

Ion Ratio Lower Upper

43 100

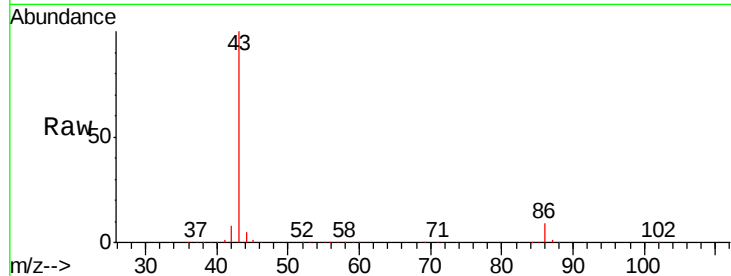
86 9.3 7.4 11.2

Manual Integrations

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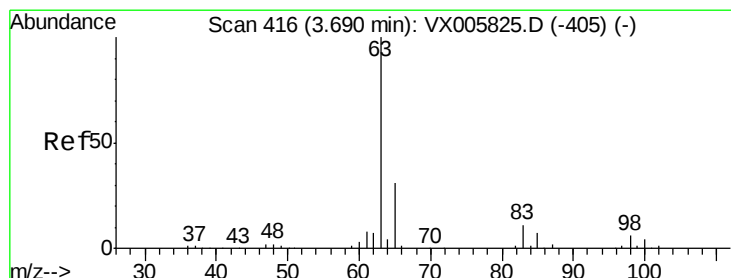
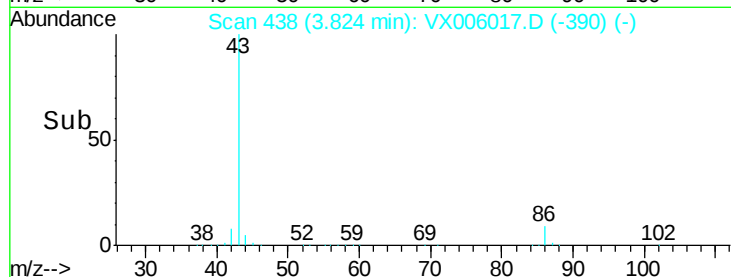
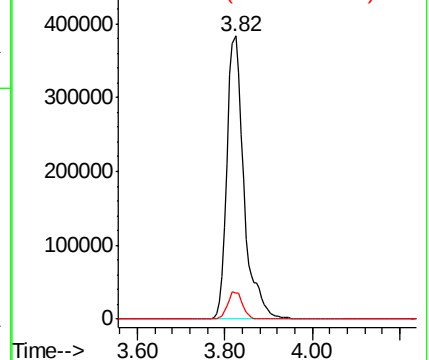
MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.50 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

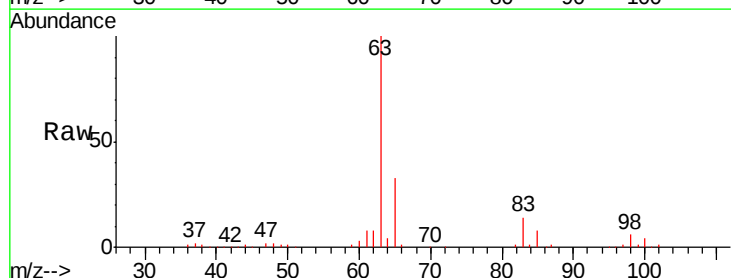
Tgt Ion: 63 Resp: 119294

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

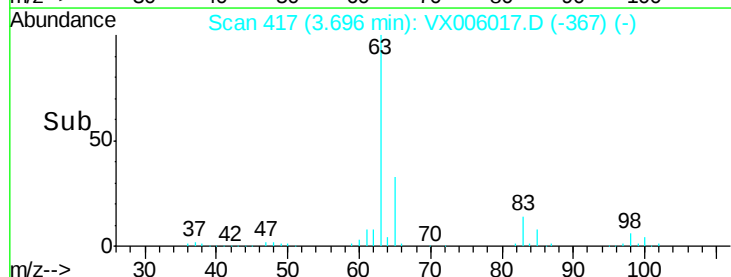
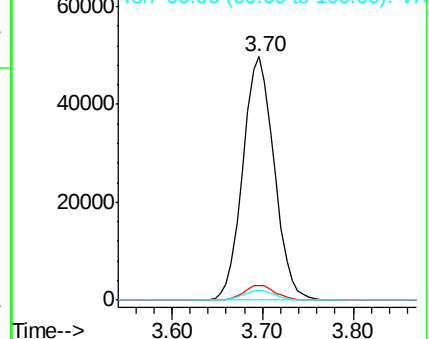
100 3.9 2.1 6.2

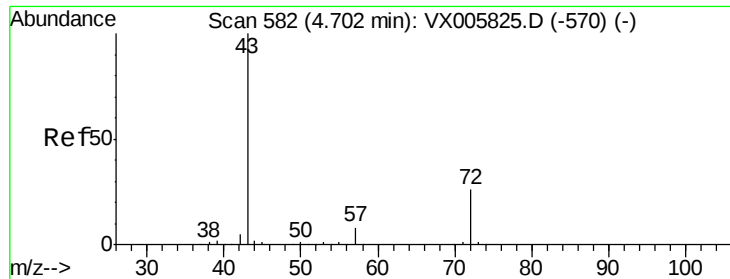


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 245.11 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 324687

Ion Ratio Lower Upper

43 100

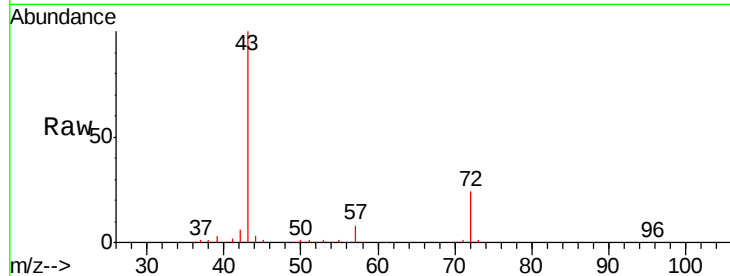
72 24.0 19.2 28.8

Manual Integrations

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MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

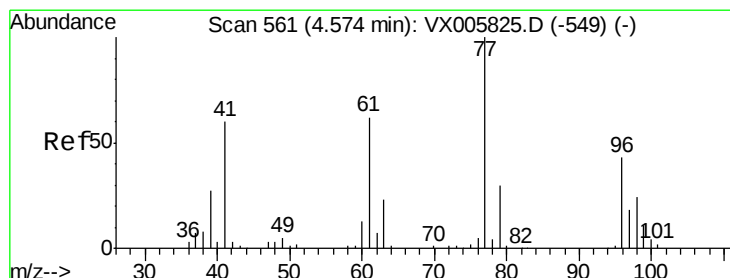
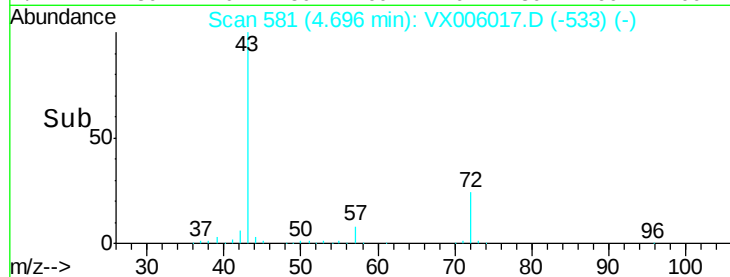
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 53.17 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX006017.D

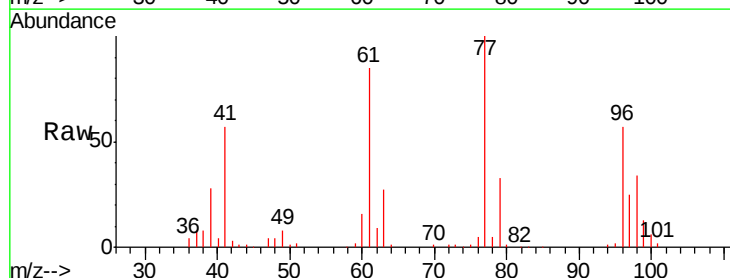
Acq: 15 Nov 2018 11:59

Tgt Ion: 77 Resp: 97946

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

0

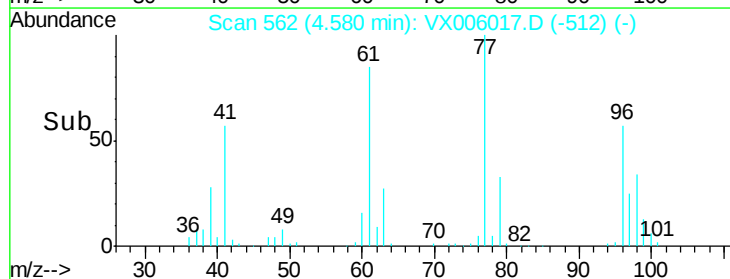
4.40

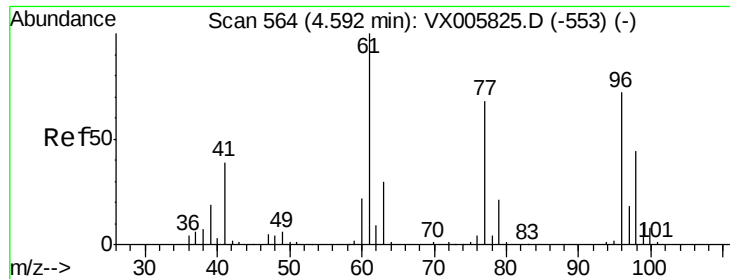
4.50

4.60

4.70

Time-->





#27

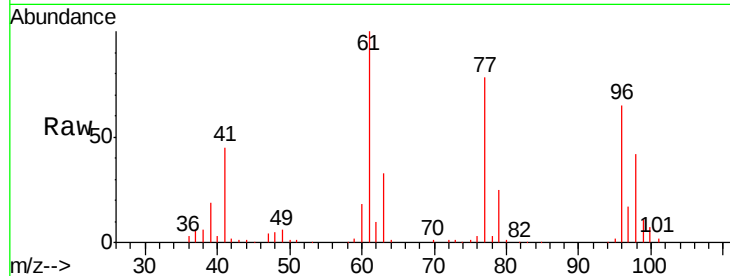
cis-1,2-Dichloroethene
Concen: 50.93 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	304.6
98	65.4	0.0	127.4

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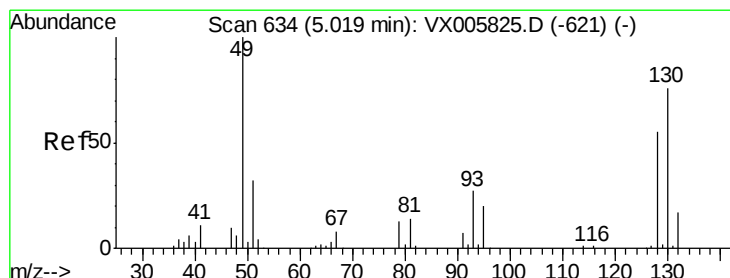
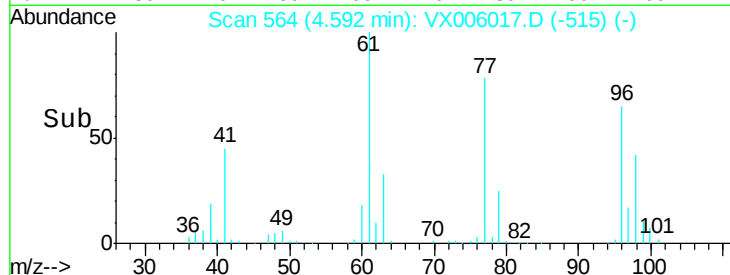
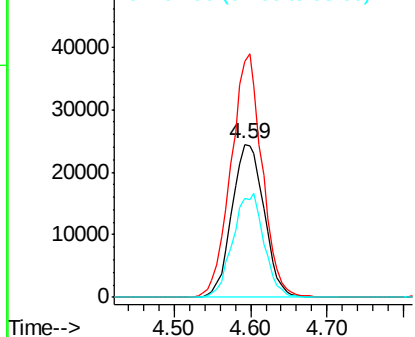


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

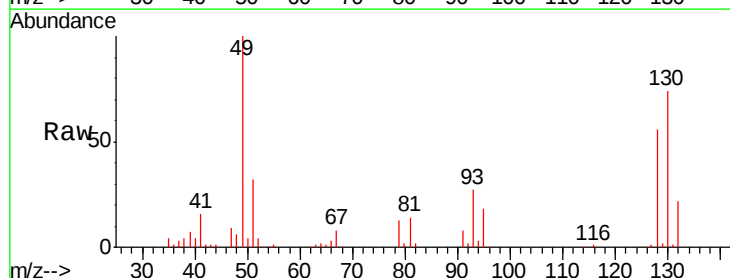
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 51.83 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	75.1	58.9	88.3

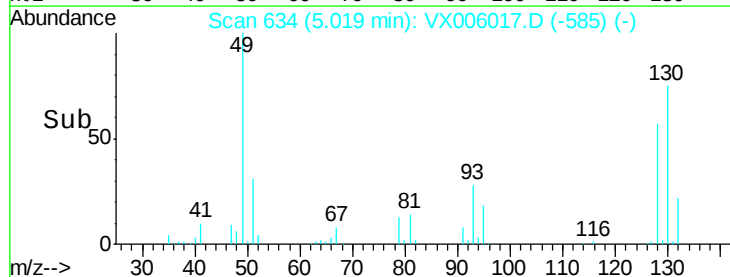
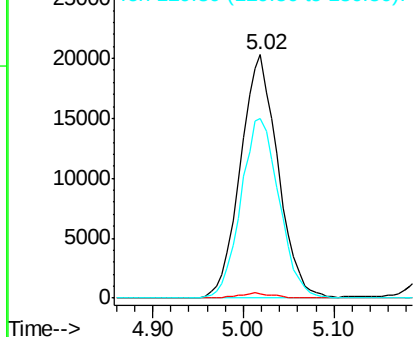


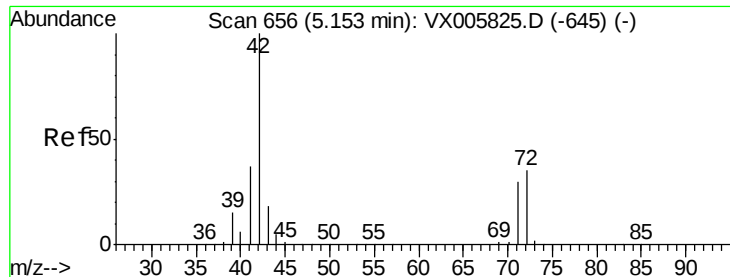
Abundance

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





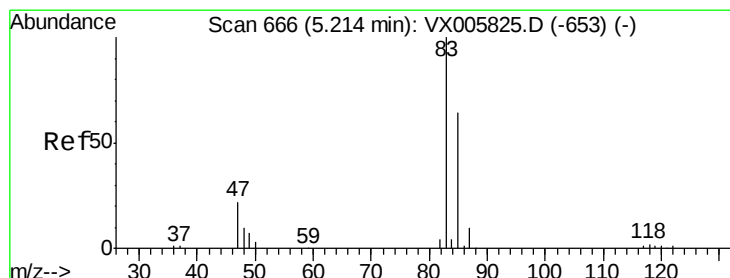
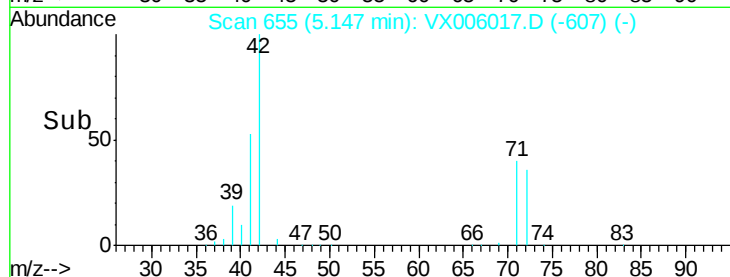
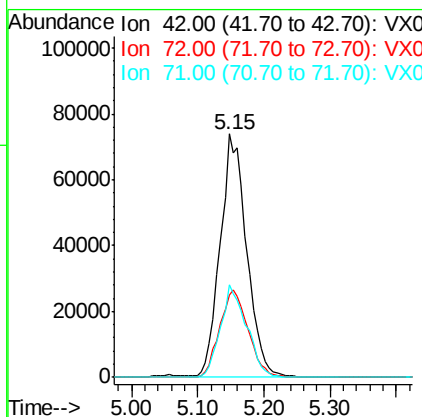
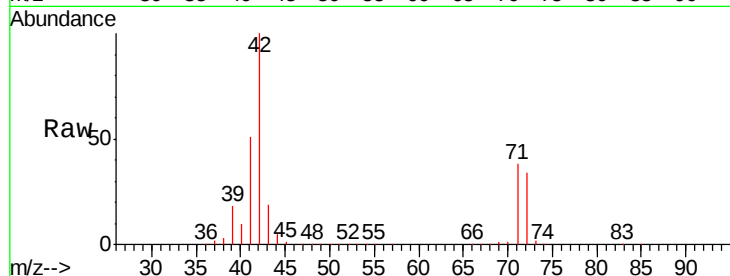
#29
Tetrahydrofuran
Concen: 240.82 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.0	48.0
71	37.6	29.8	44.8

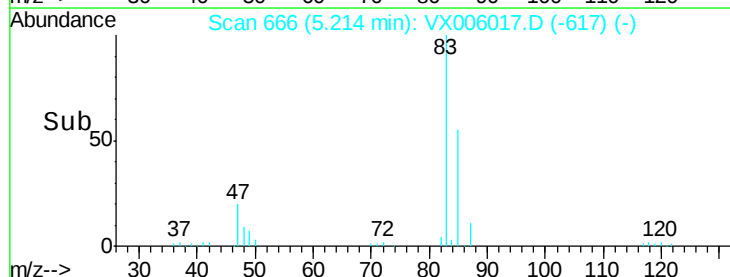
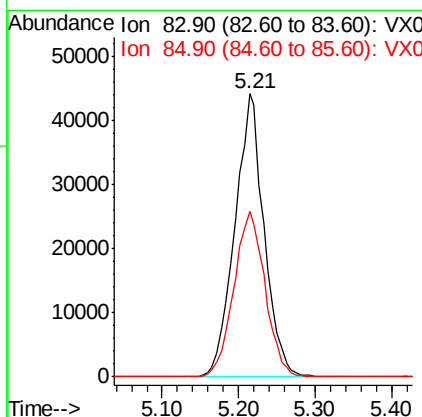
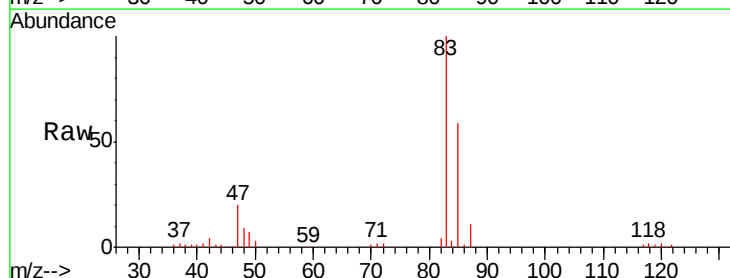
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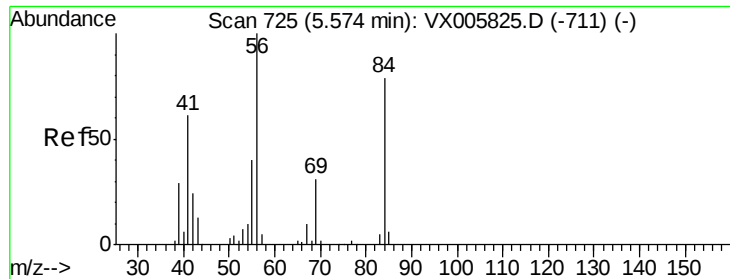
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#30
Chloroform
Concen: 48.38 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	50.6	76.0





#31

Cyclohexane

Concen: 46.95 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

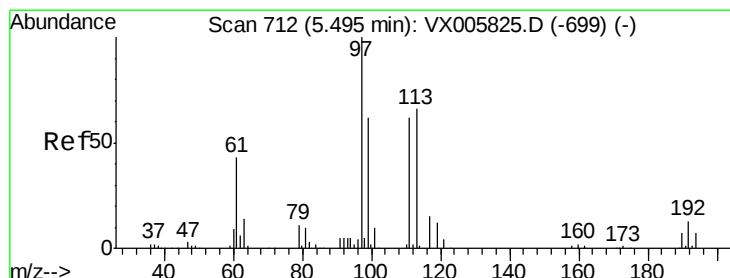
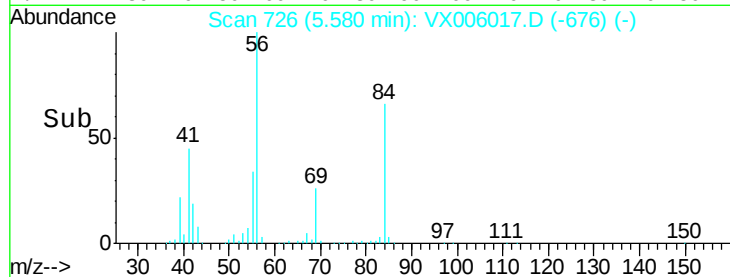
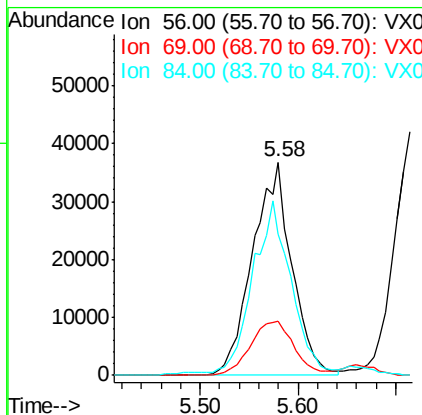
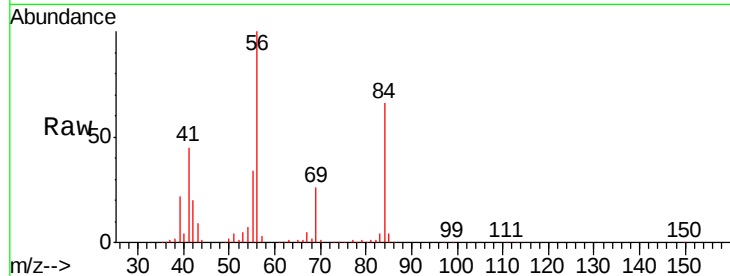
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	102359
Ion Ratio	Lower	Upper	
56	100		
69	25.7	22.6	34.0
84	64.6	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 47.46 ug/l

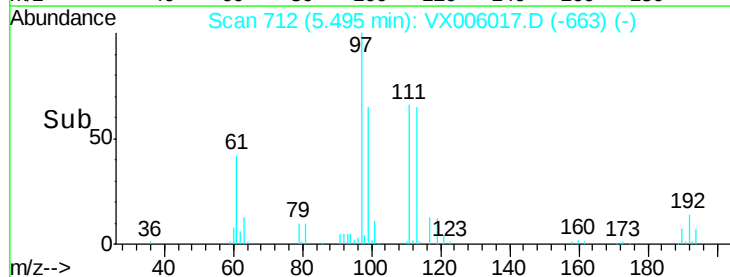
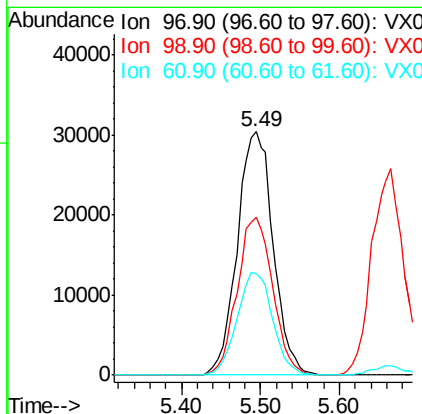
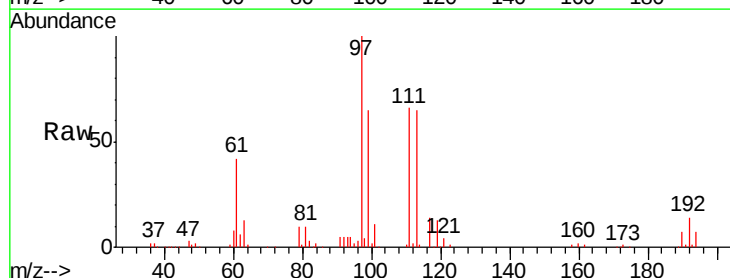
RT: 5.49 min Scan# 712

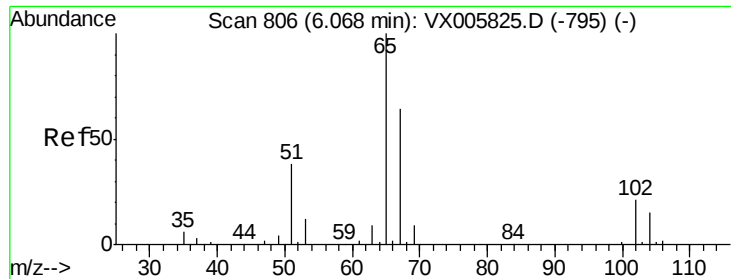
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	97	Resp:	95905
Ion Ratio	Lower	Upper	
97	100		
99	64.3	52.3	78.5
61	42.2	35.2	52.8





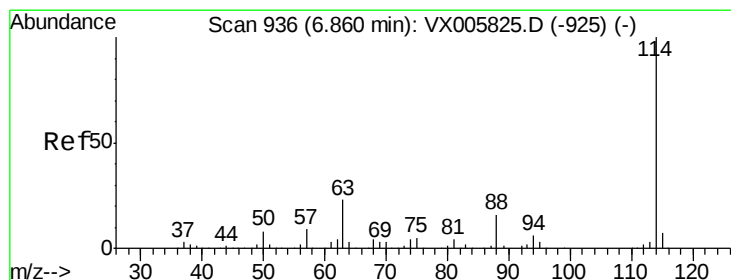
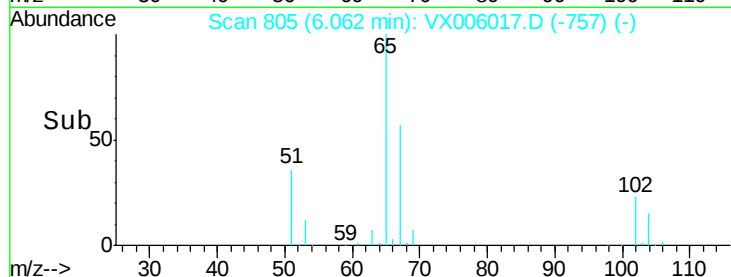
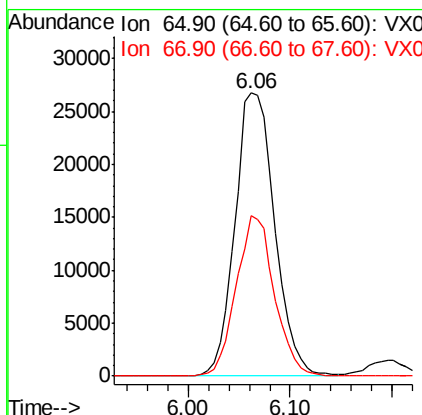
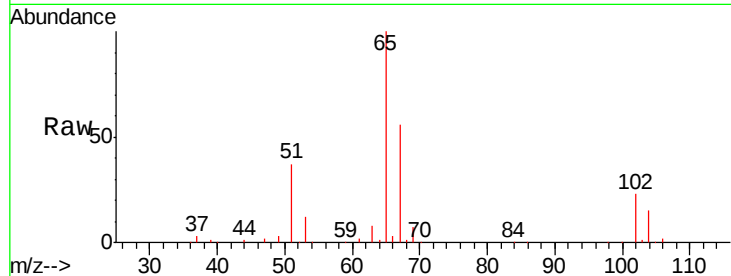
#33
 1,2-Dichloroethane-d4
 Concen: 46.23 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 72348
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 105.0

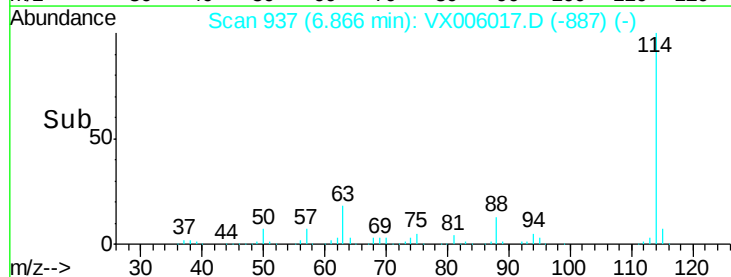
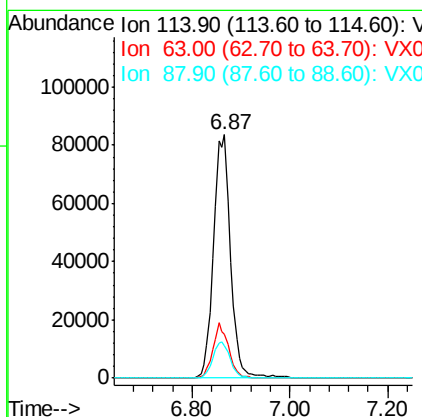
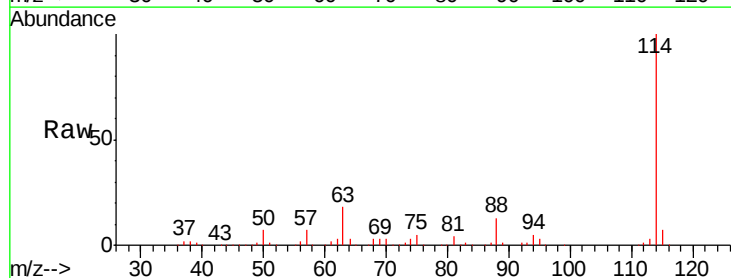
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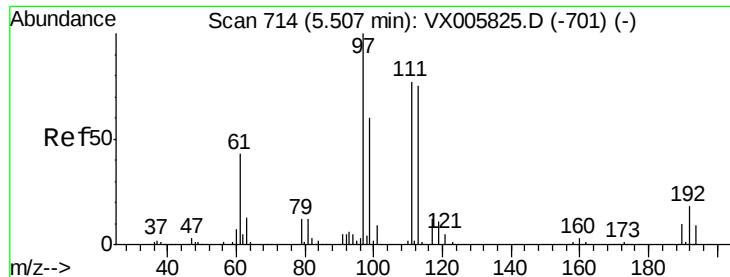
MMDadoda
 11/16/2018 10:41:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion: 114 Resp: 202174
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.8
 88 13.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.20 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

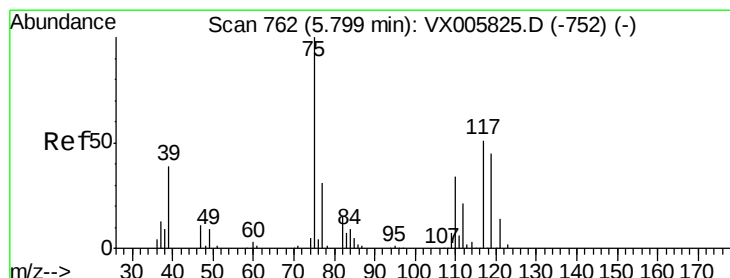
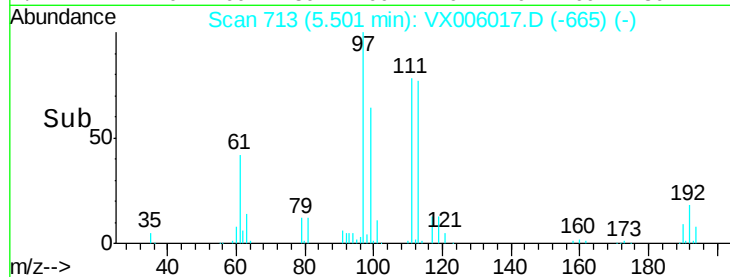
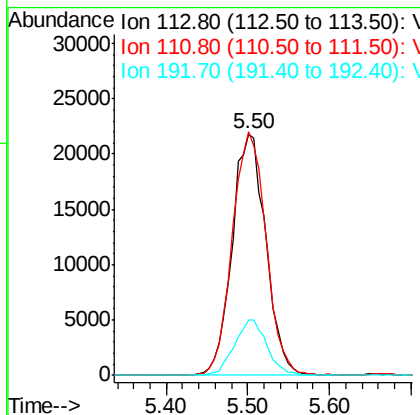
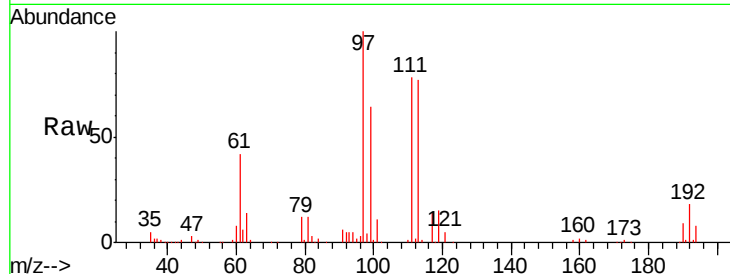
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	62159
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	22.2	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 43.89 ug/l

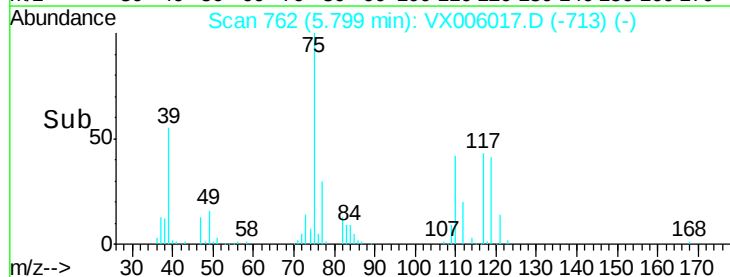
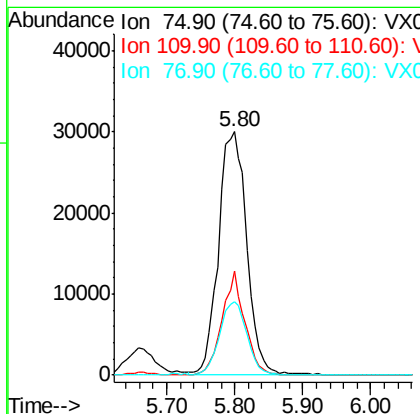
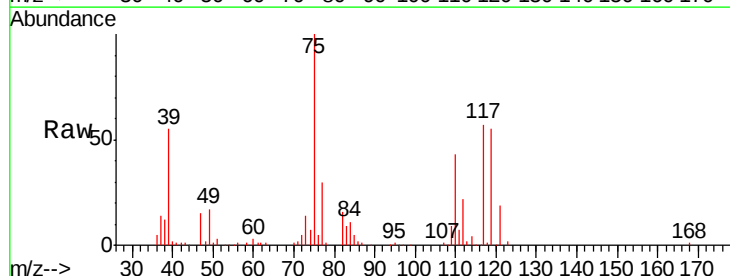
RT: 5.80 min Scan# 762

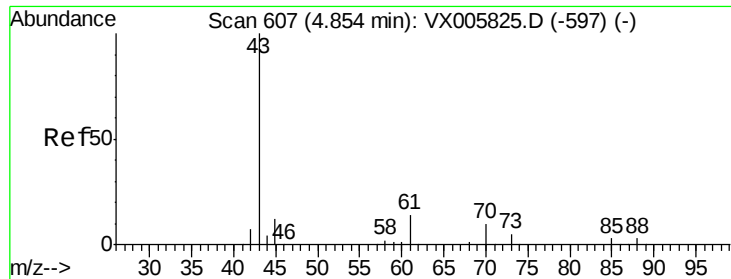
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	75	Resp:	85536
Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.4	52.2
77	29.7	25.8	38.6





#37

Ethyl Acetate

Concen: 46.38 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

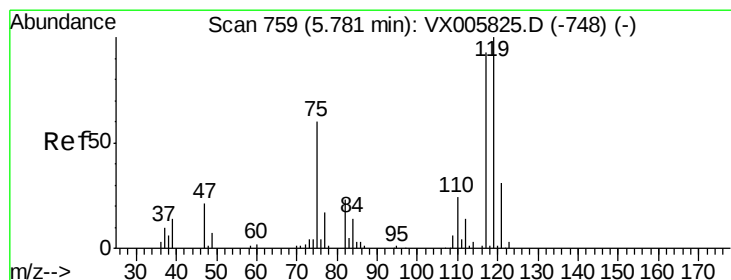
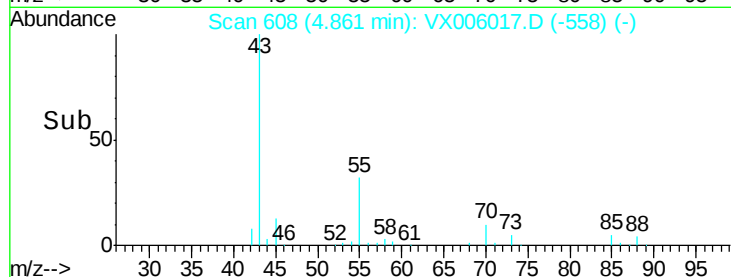
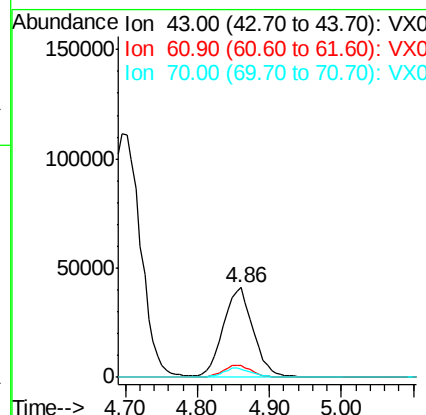
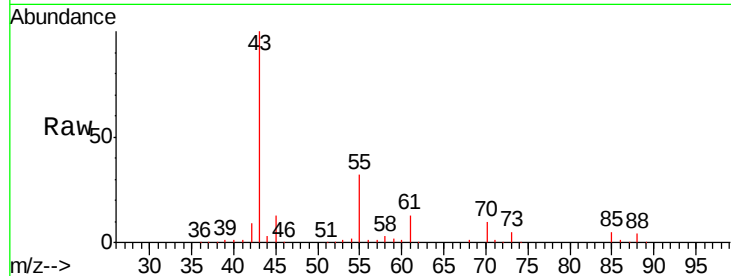
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	118859
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 42.69 ug/l

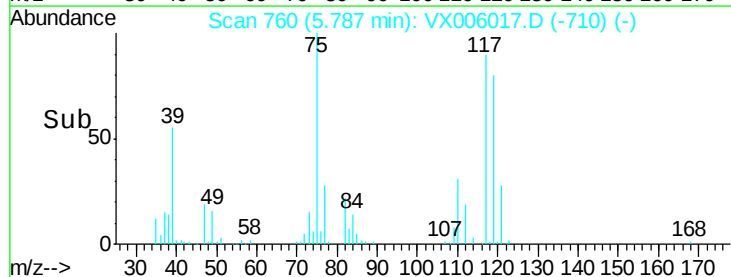
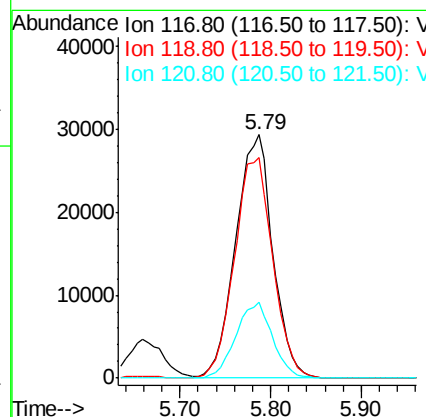
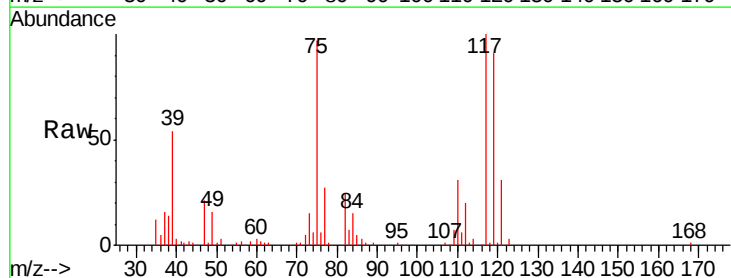
RT: 5.79 min Scan# 760

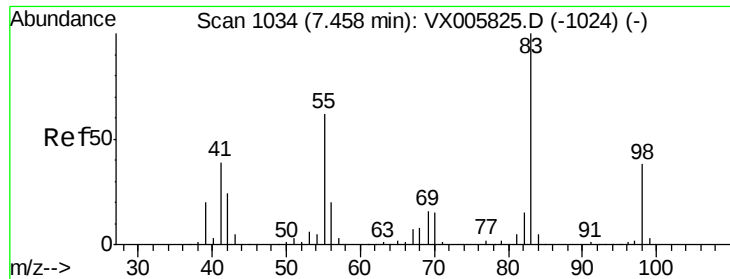
Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	117	Resp:	83300
Ion	Ratio	Lower	Upper
117	100		
119	90.7	78.1	117.1
121	31.4	24.6	36.8





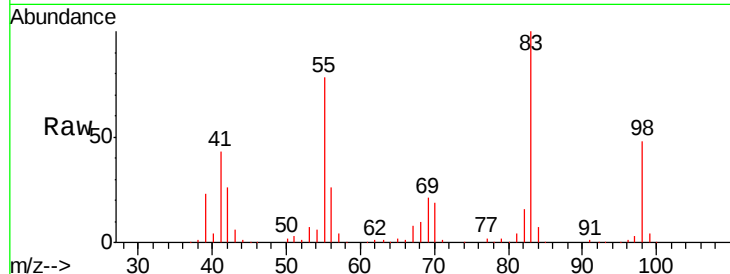
#39
Methylcyclohexane
Concen: 47.99 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

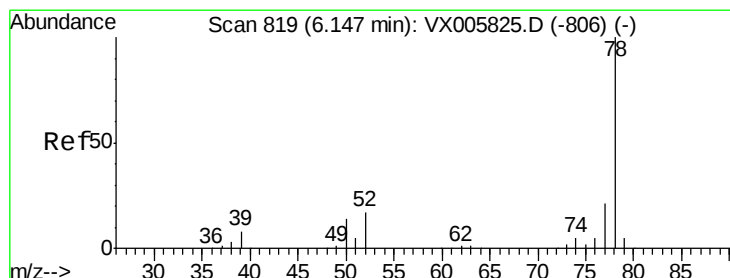
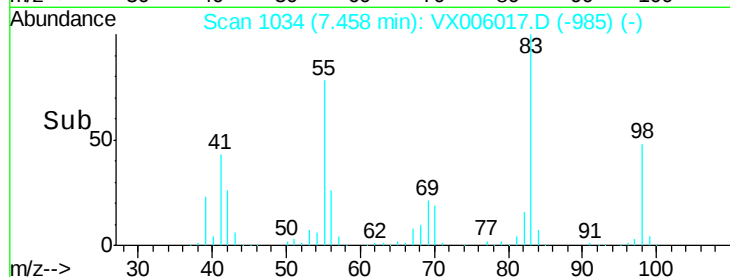
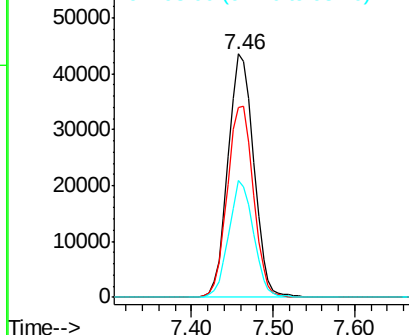
Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.7	95.5
98	48.2	36.2	54.2

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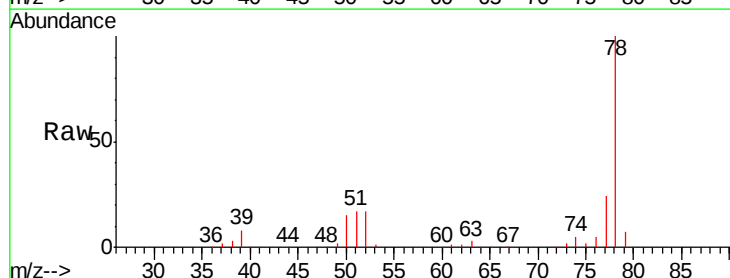


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

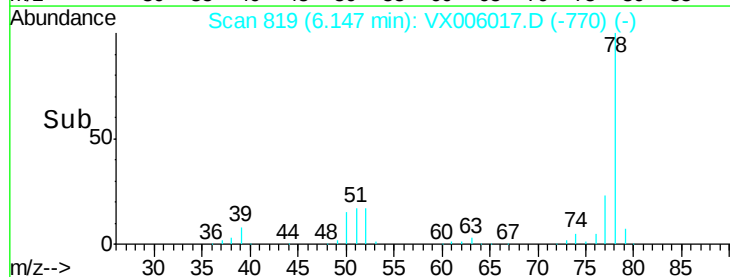
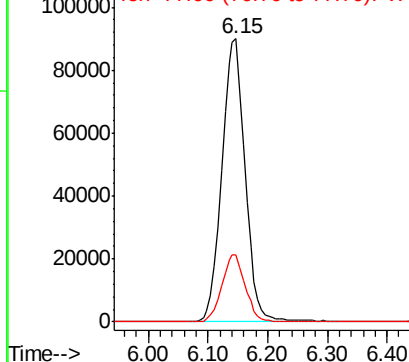


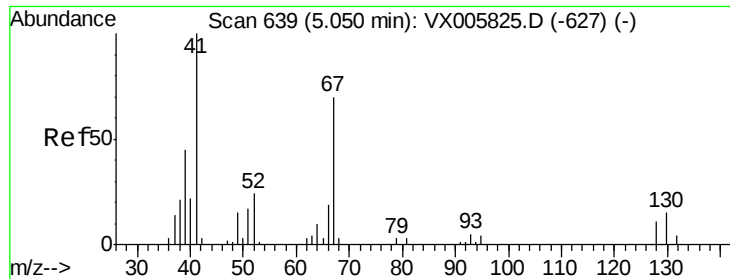
#40
Benzene
Concen: 42.87 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





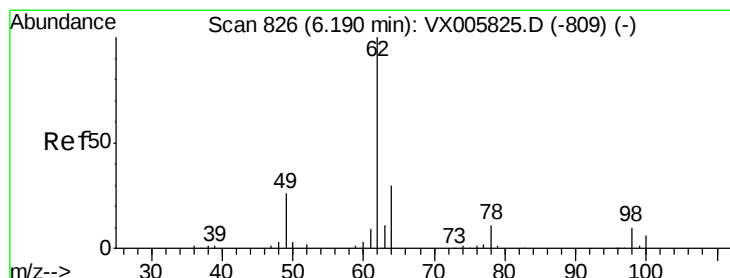
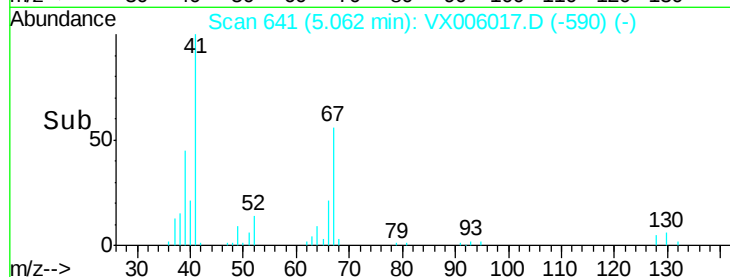
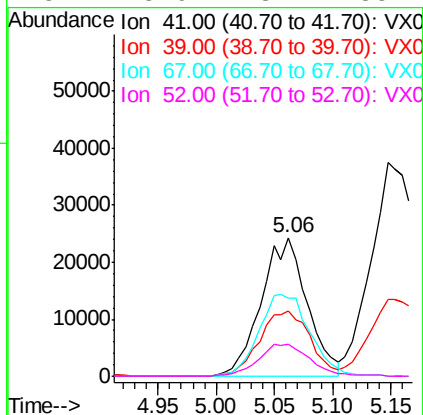
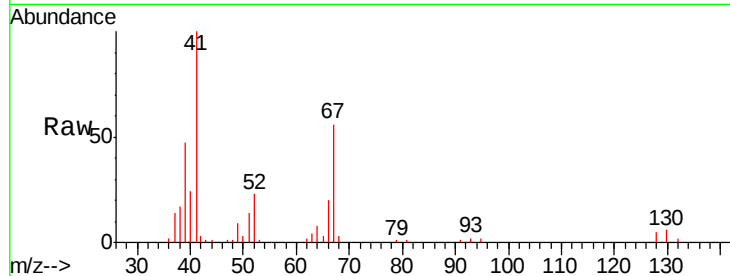
#41
Methacrylonitrile
Concen: 47.99 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.2	63.2	
67	65.7	53.4	80.0	
52	25.9	23.4	35.2	

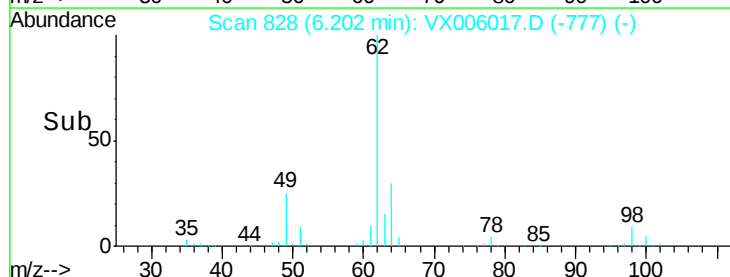
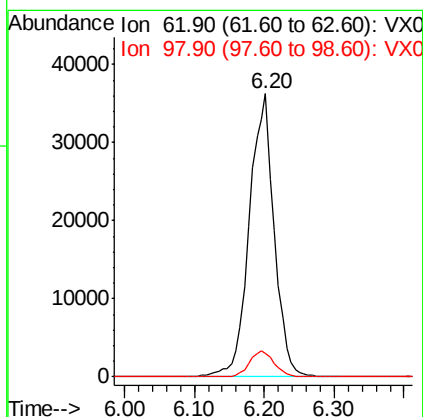
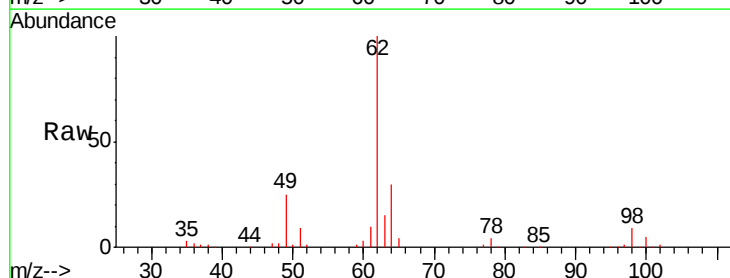
Manual Integrations
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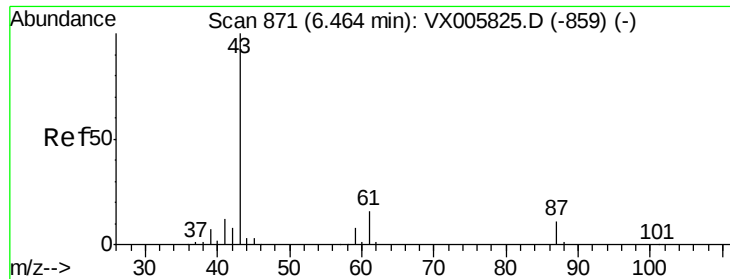
MMDadoda
11/16/2018 10:41:00 AM



#42
1,2-Dichloroethane
Concen: 43.97 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

Isopropyl Acetate

Concen: 44.64 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

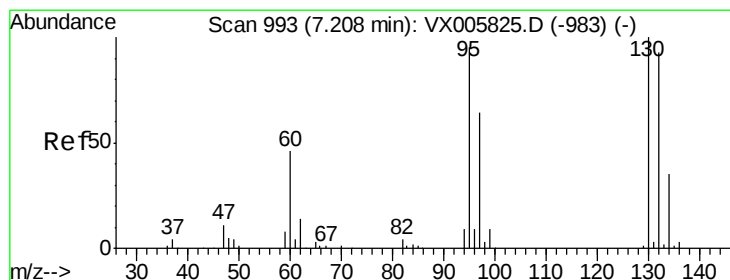
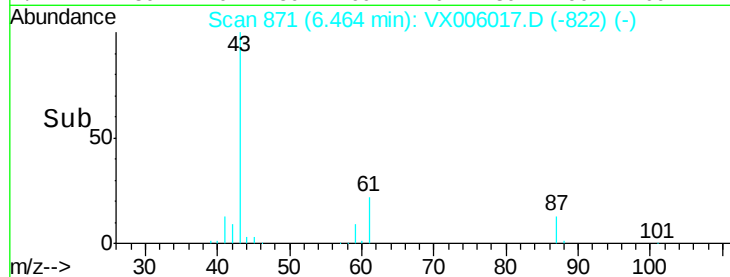
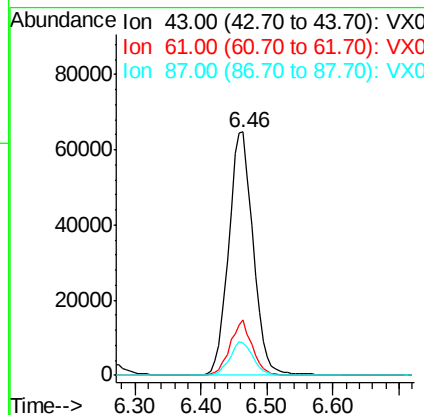
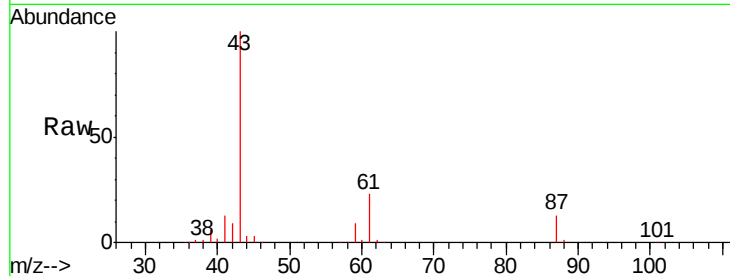
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	165776
Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.6	22.0
87	13.1	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 46.71 ug/l

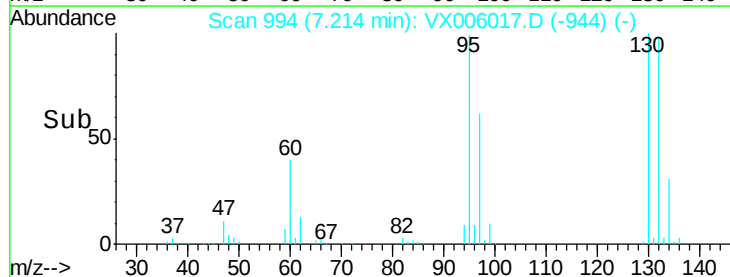
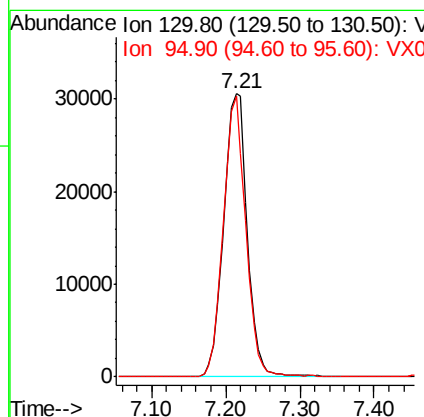
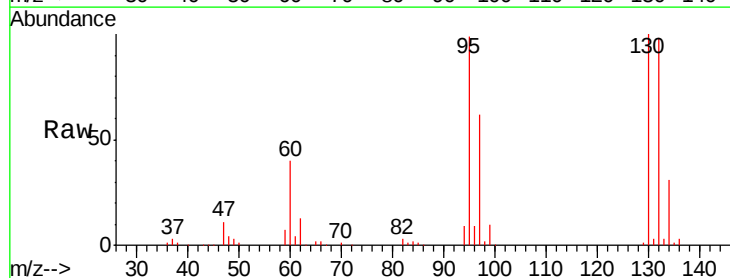
RT: 7.21 min Scan# 994

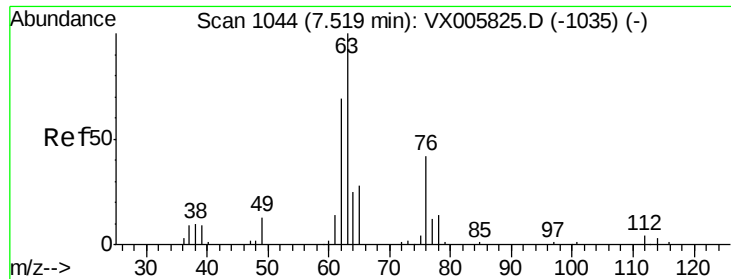
Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	130	Resp:	67396
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	194.2





#45

1,2-Dichloropropane

Concen: 47.94 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 66118

Ion Ratio Lower Upper

63 100

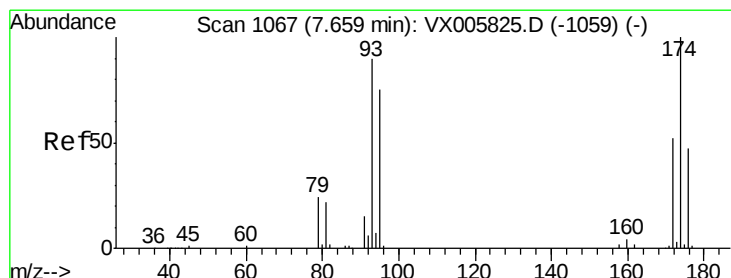
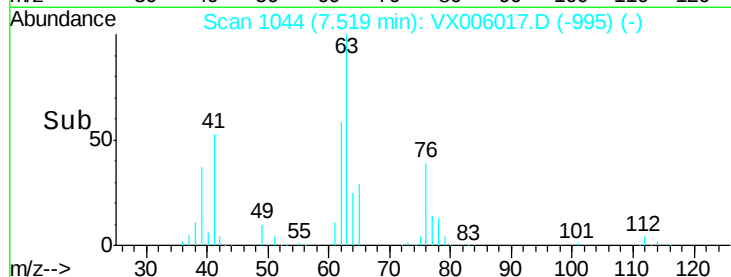
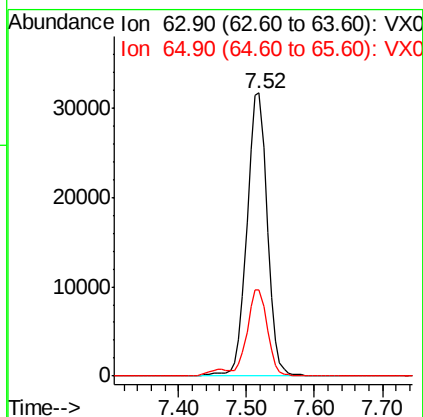
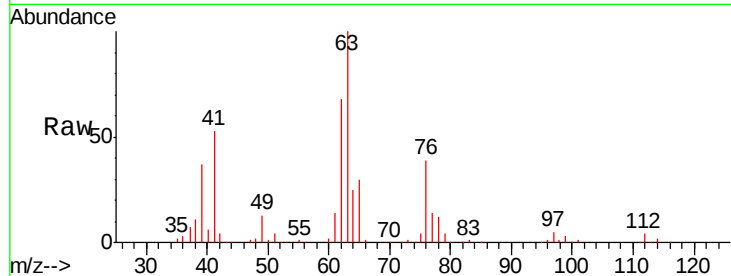
65 30.4 24.8 37.2

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#46

Dibromomethane

Concen: 47.77 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

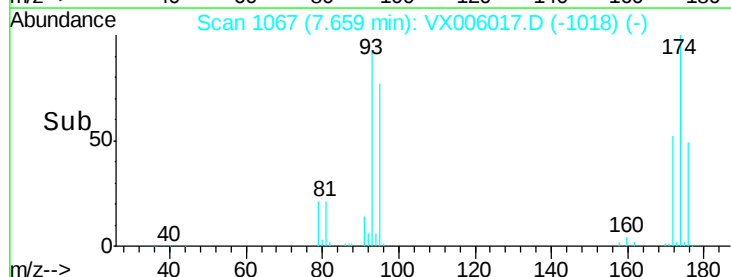
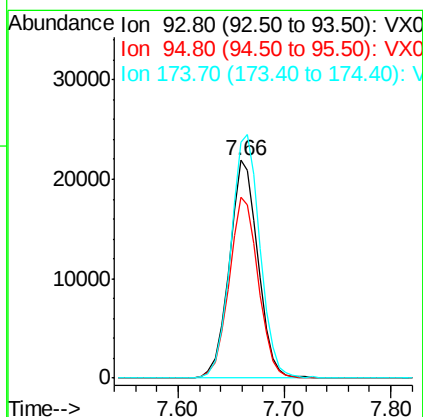
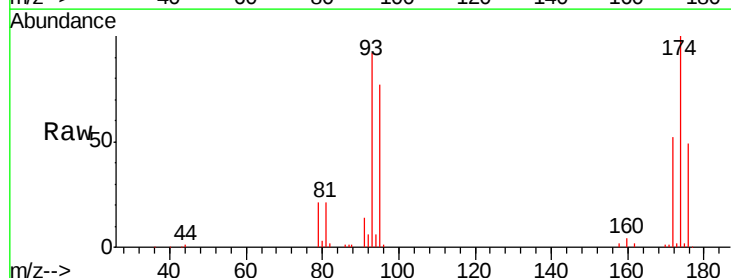
Tgt Ion: 93 Resp: 41338

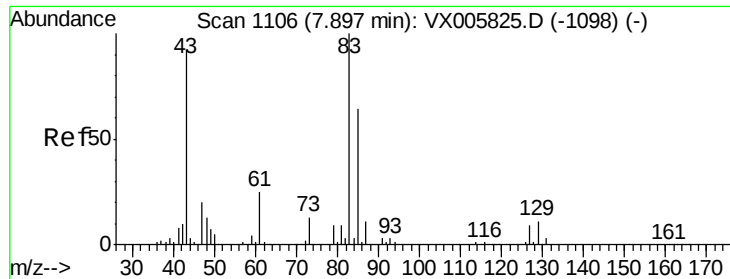
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.0

174 114.2 91.5 137.3





#47

Bromodichloromethane

Concen: 49.28 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

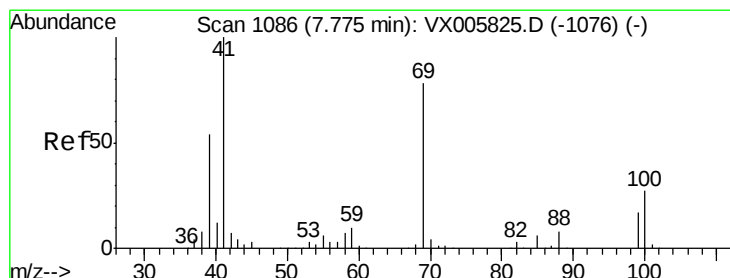
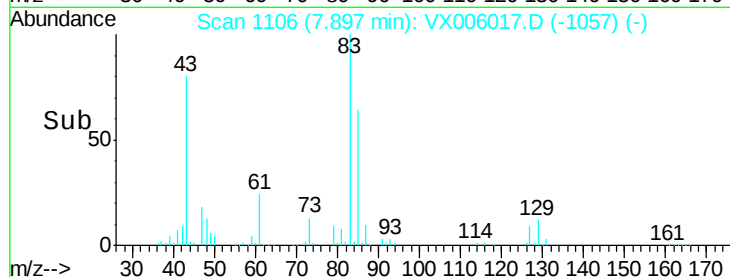
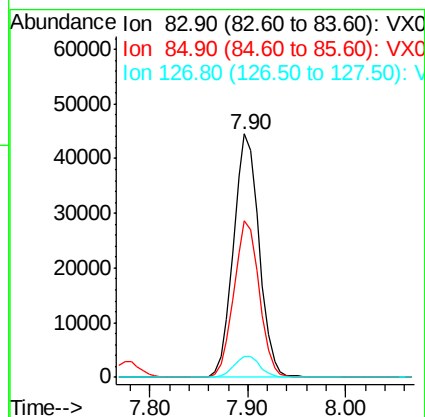
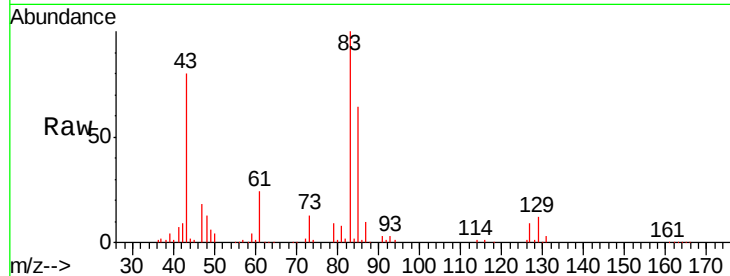
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	80592
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.2	75.4
127	8.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.86 ug/l

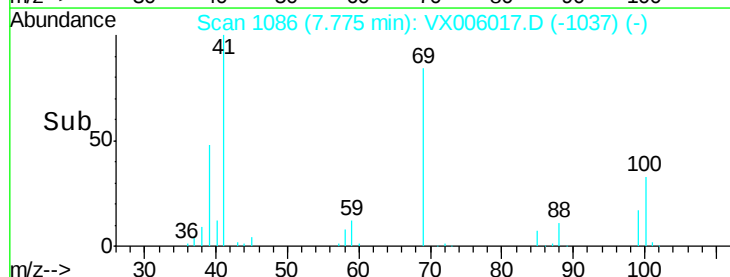
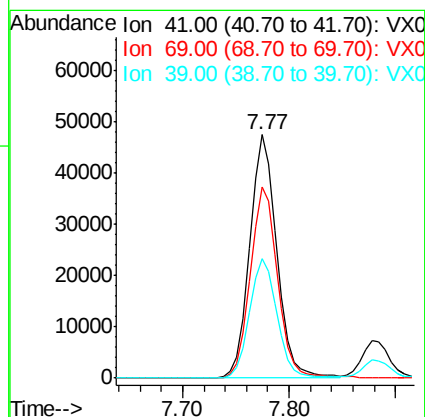
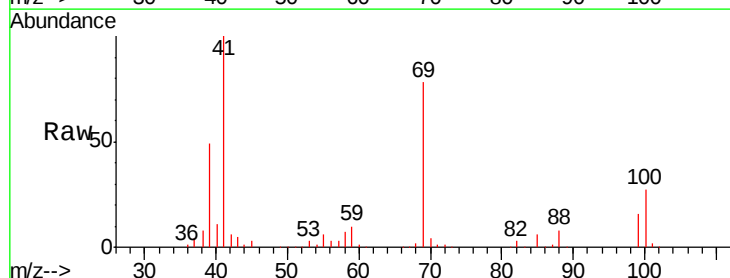
RT: 7.77 min Scan# 1086

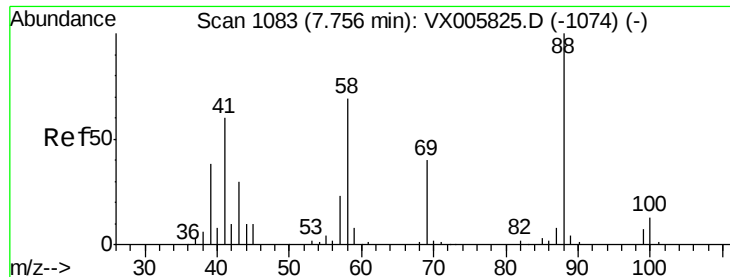
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	41	Resp:	84820
Ion Ratio	Lower	Upper	
41	100		
69	79.8	63.2	94.8
39	50.1	42.2	63.2





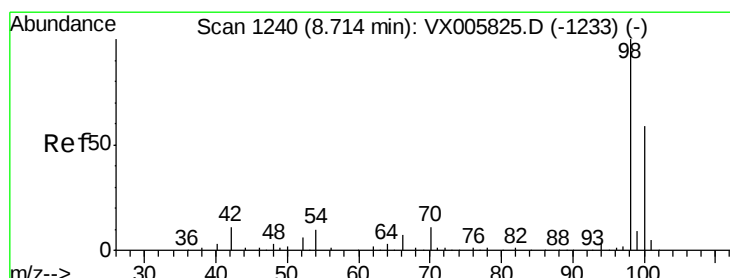
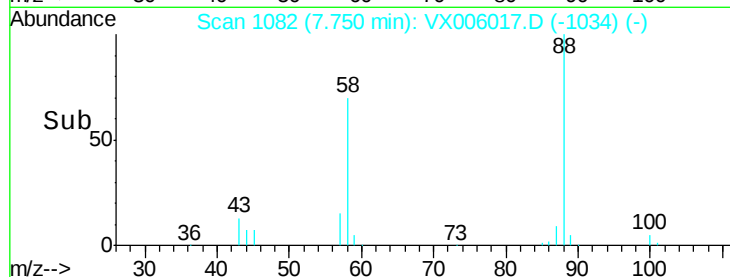
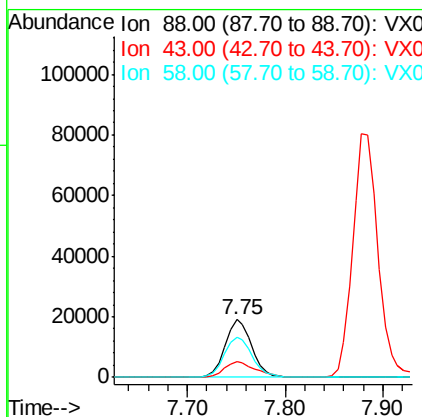
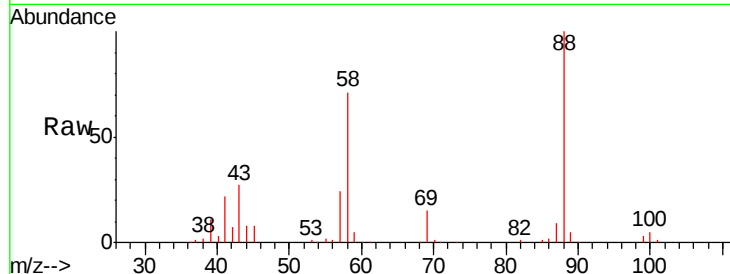
#49
1,4-Dioxane
Concen: 991.61 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.4	41.0
58	74.5	59.4	89.2

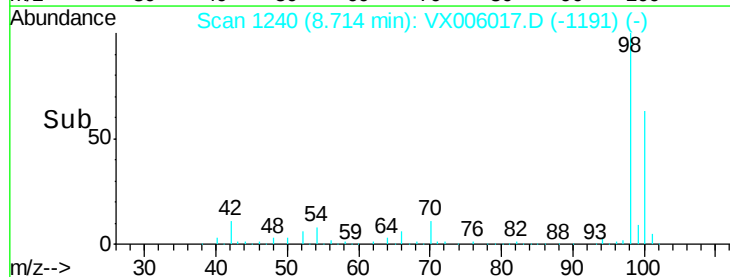
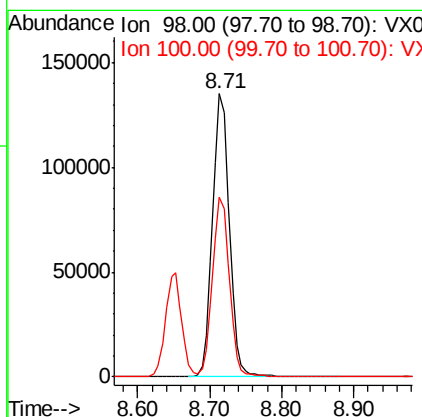
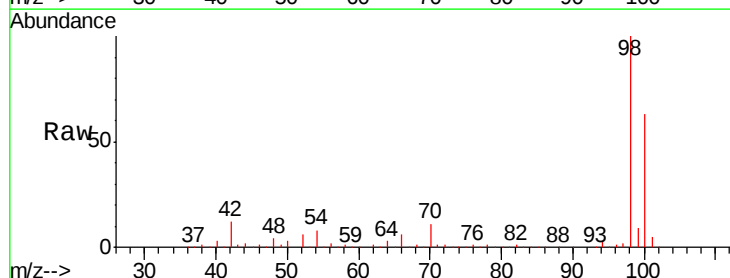
Manual Integrations
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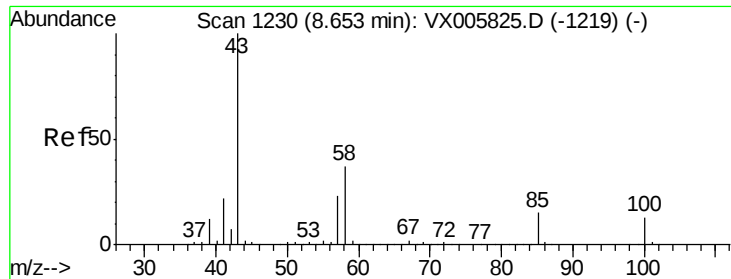
MMDadoda
11/16/2018 10:41:00 AM



#50
Toluene-d8
Concen: 47.96 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





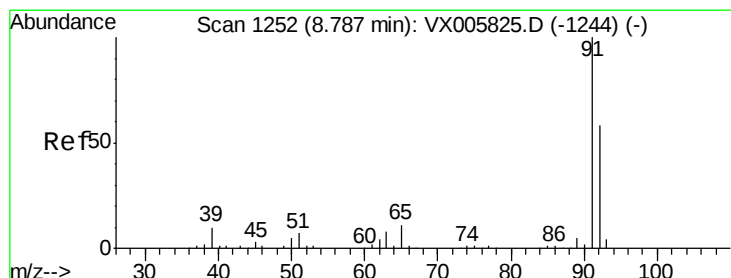
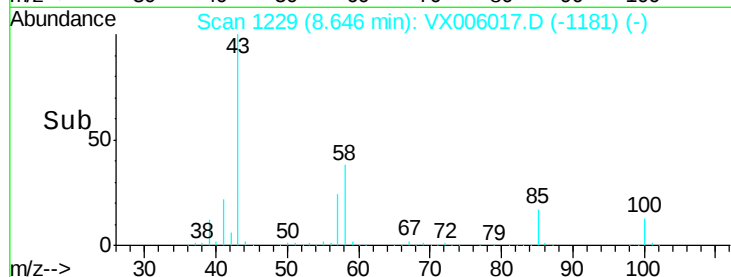
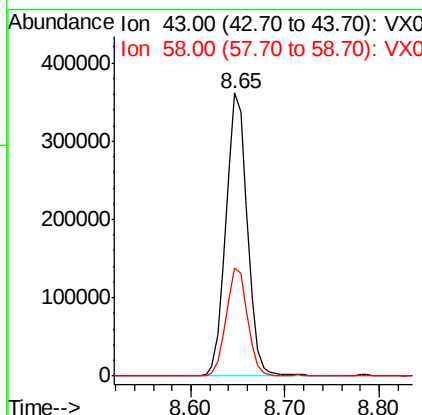
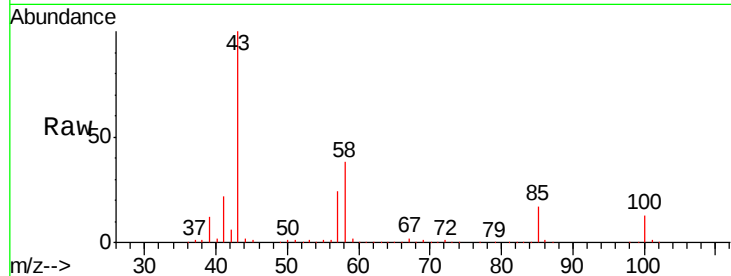
#51
4-Methyl-2-Pentanone
Concen: 243.27 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 569404
Ion Ratio Lower Upper
43 100
58 38.1 29.7 44.5

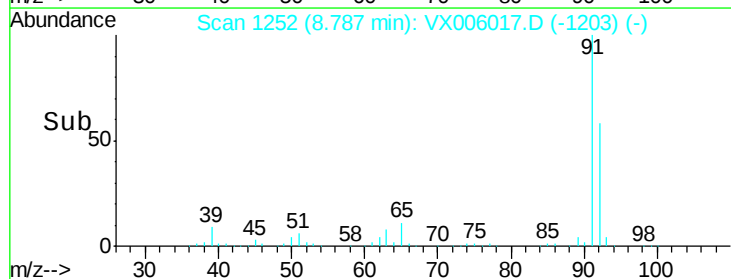
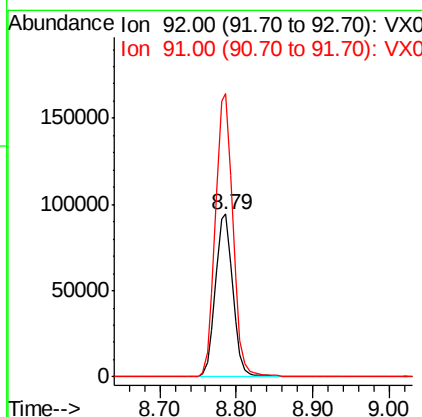
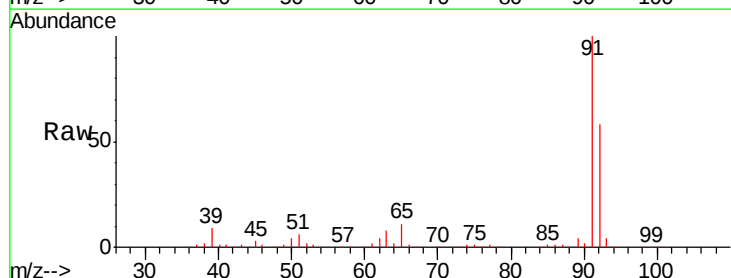
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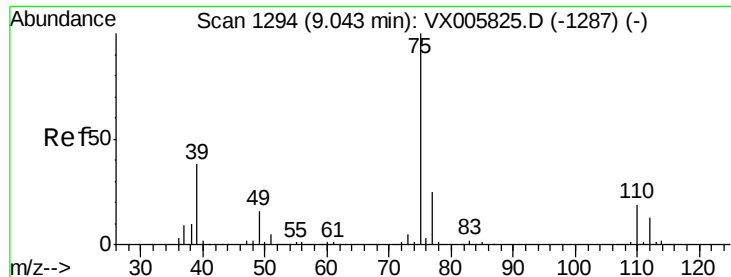
MMDadoda
11/16/2018 10:41:00 AM



#52
Toluene
Concen: 47.15 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion: 92 Resp: 149729
Ion Ratio Lower Upper
92 100
91 175.0 140.4 210.6





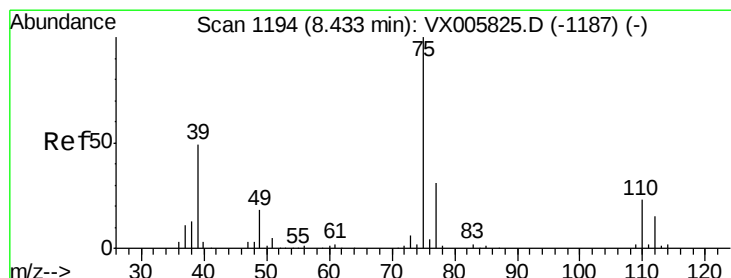
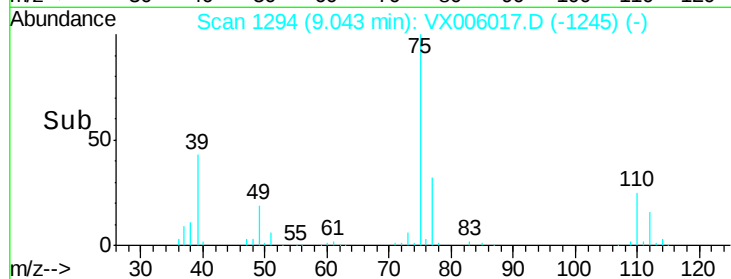
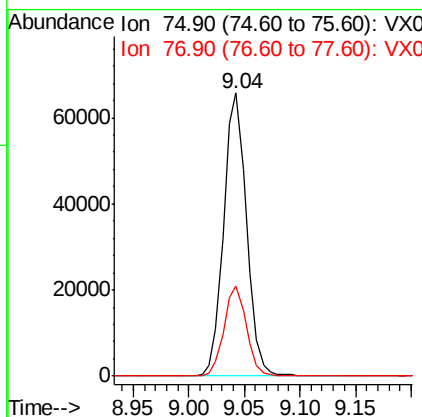
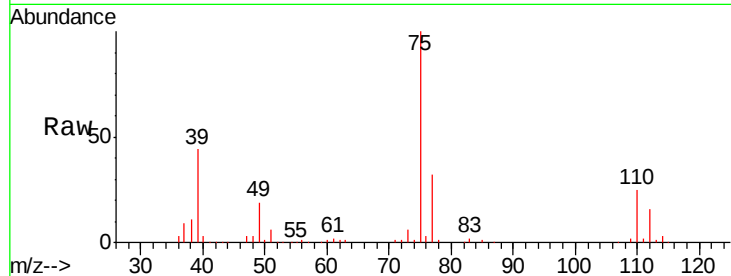
#53
t-1,3-Dichloropropene
Concen: 48.43 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 93467
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

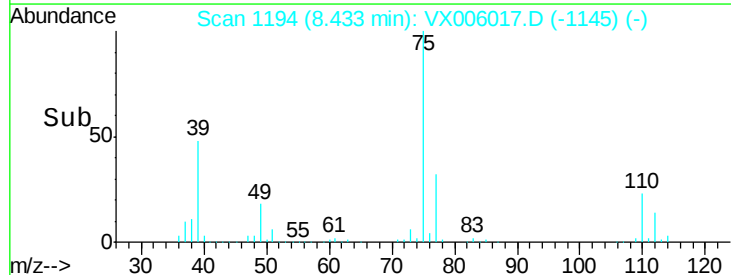
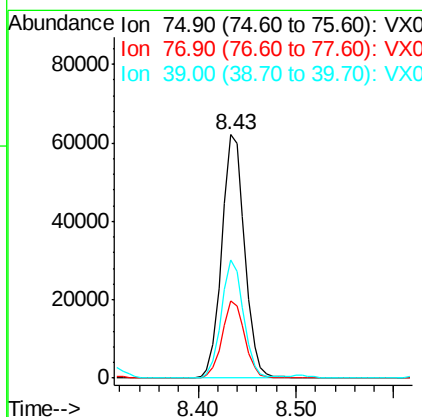
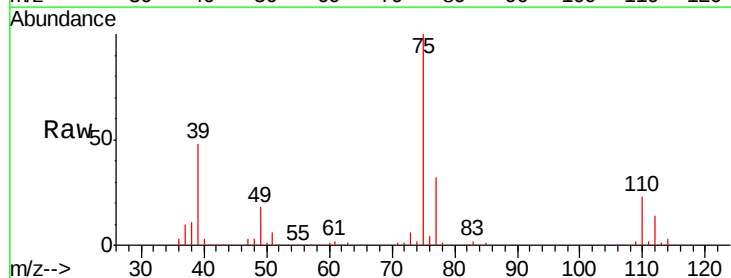
Manual Integrations
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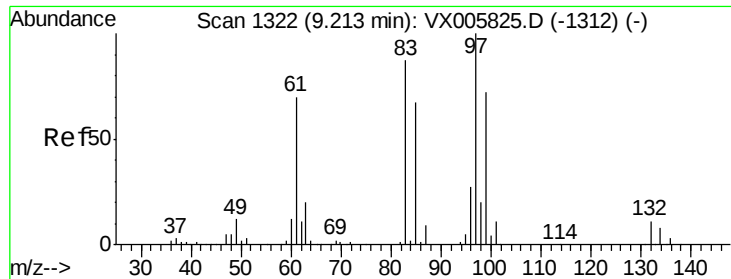
MMDadoda
11/16/2018 10:41:00 AM



#54
cis-1,3-Dichloropropene
Concen: 51.24 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion: 75 Resp: 100798
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 48.2 38.2 57.2





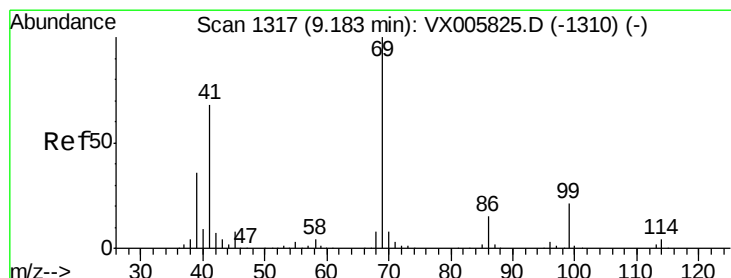
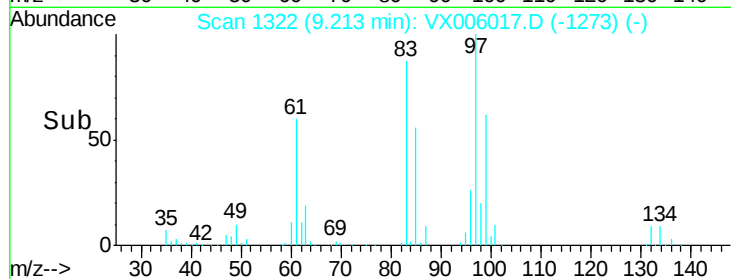
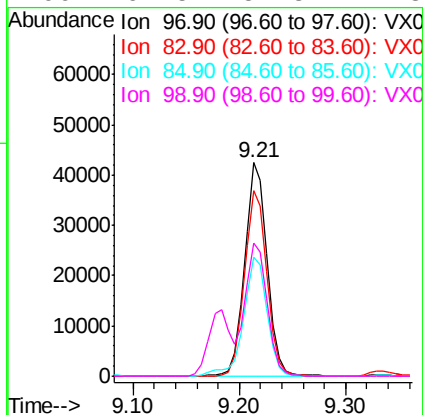
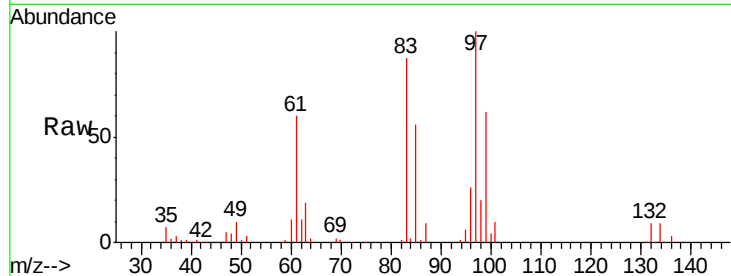
#55
 1,1,2-Trichloroethane
 Concen: 44.43 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	62880
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	55.8	45.8	68.6
99	62.5	51.8	77.8

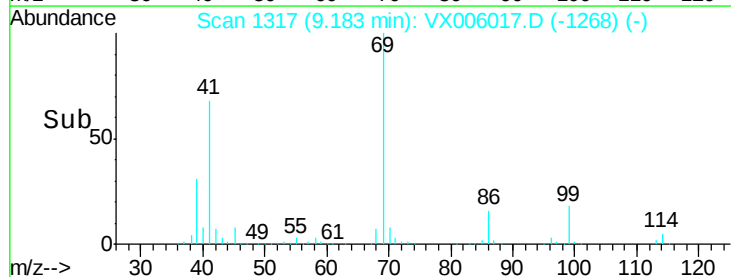
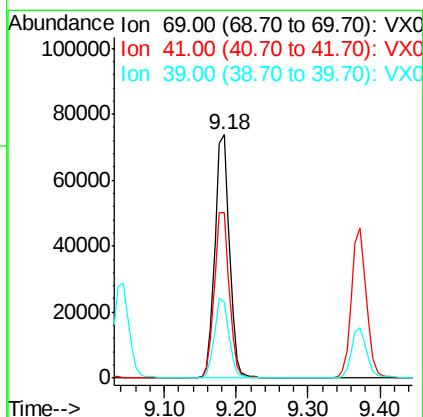
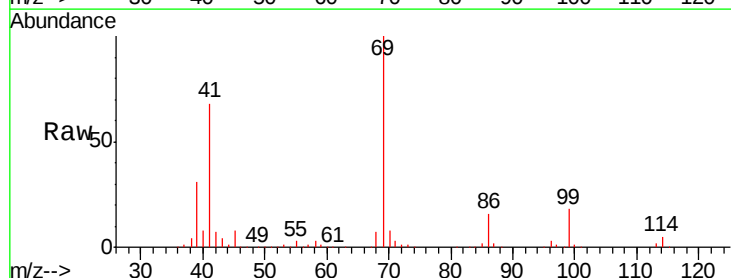
Manual Integrations
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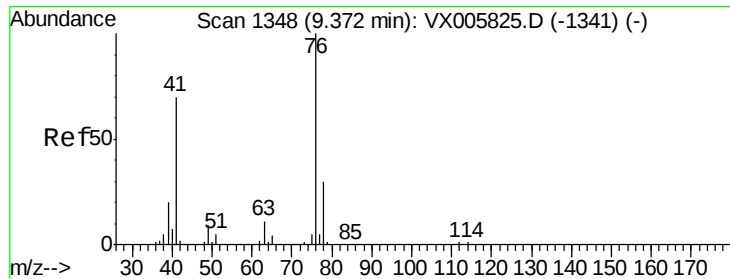
MMDadoda
 11/16/2018 10:41:00 AM



#56
 Ethyl methacrylate
 Concen: 48.81 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion:	69	Resp:	103367
Ion	Ratio	Lower	Upper
69	100		
41	69.1	57.0	85.6
39	32.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 44.76 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 106443

Ion Ratio Lower Upper

76 100

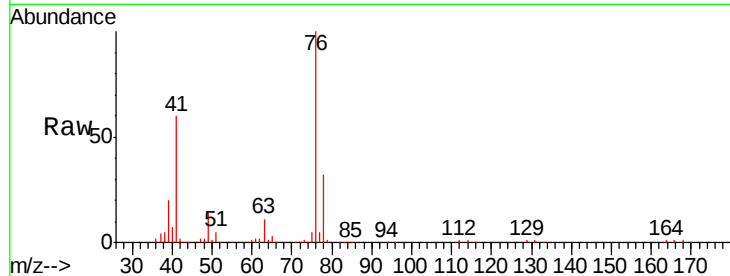
78 31.9 25.3 37.9

Manual Integrations

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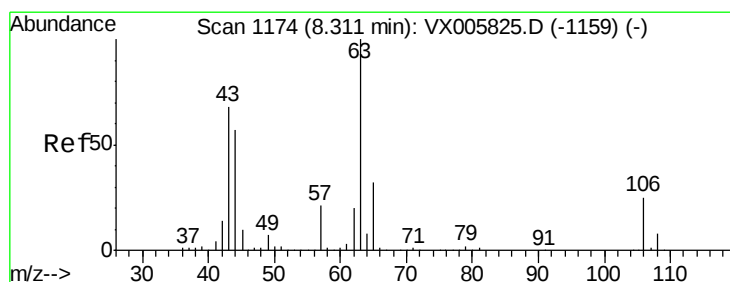
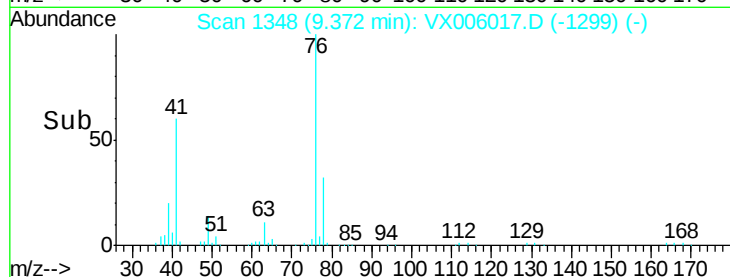
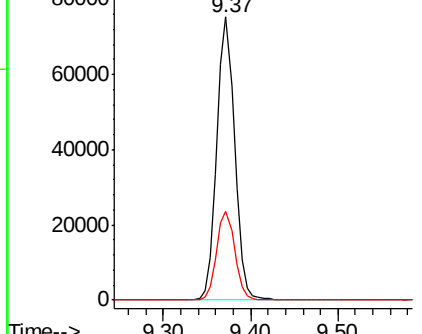
MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 231.60 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006017.D

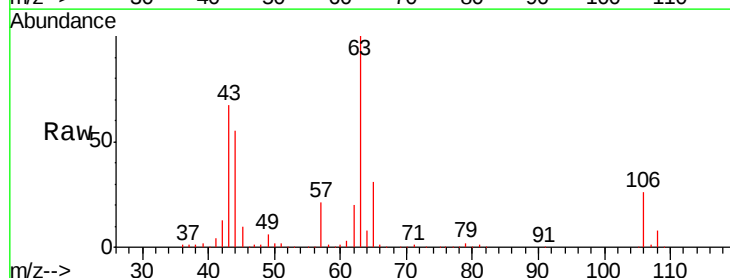
Acq: 15 Nov 2018 11:59

Tgt Ion: 63 Resp: 266506

Ion Ratio Lower Upper

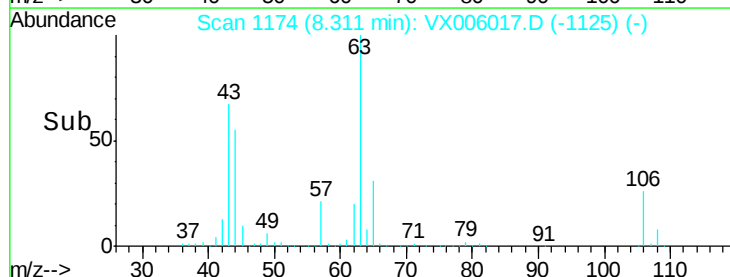
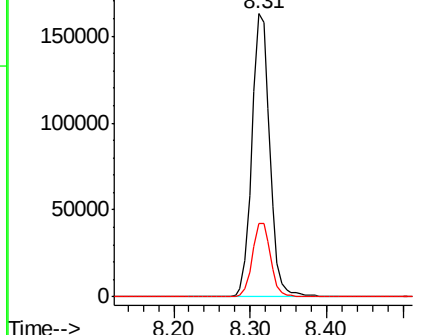
63 100

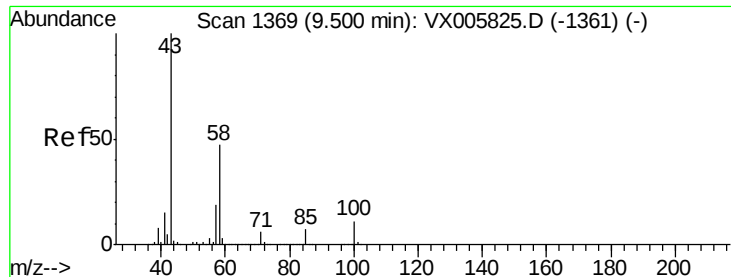
106 26.5 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





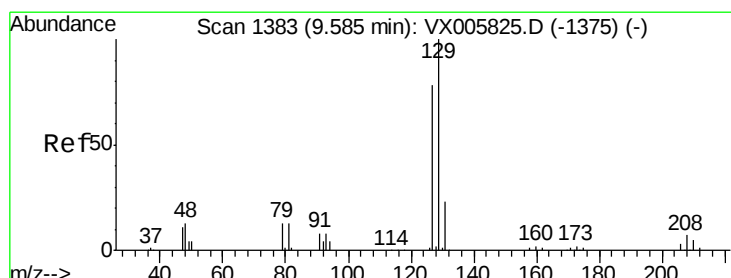
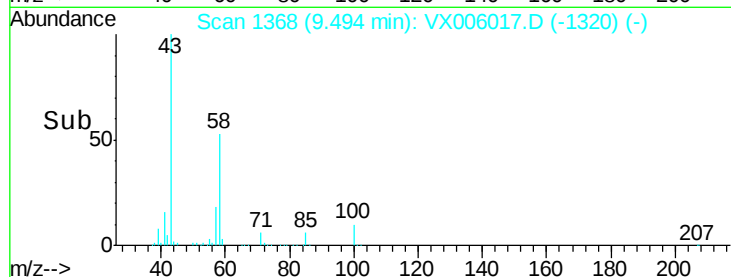
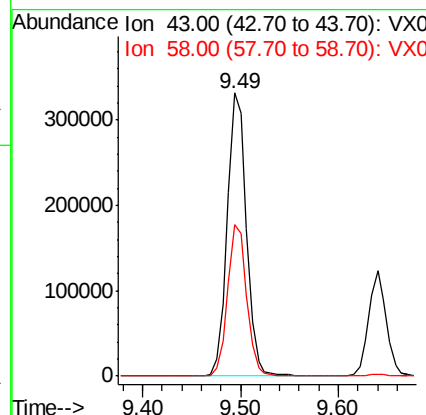
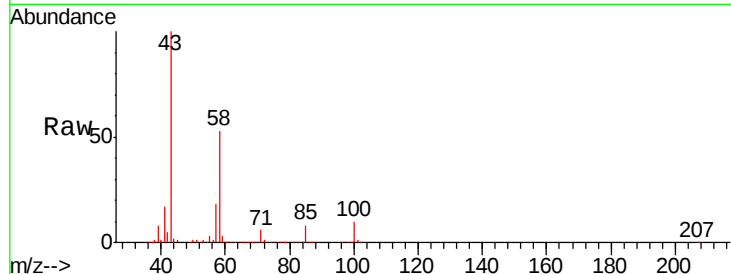
#59
2-Hexanone
Concen: 218.65 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 451110
Ion Ratio Lower Upper
43 100
58 53.4 25.9 77.8

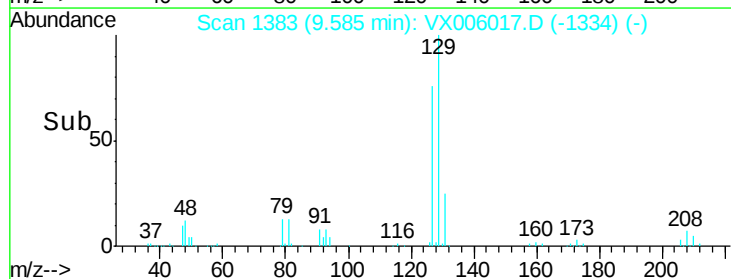
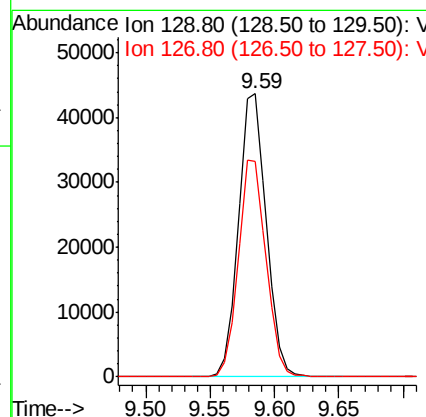
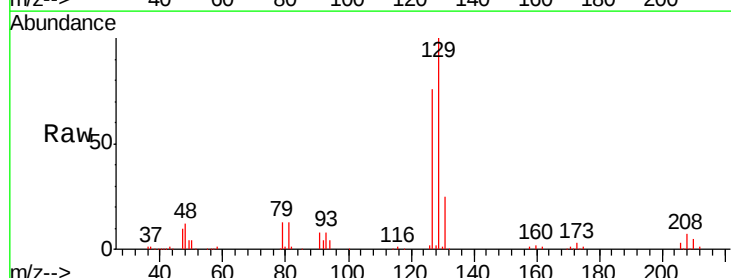
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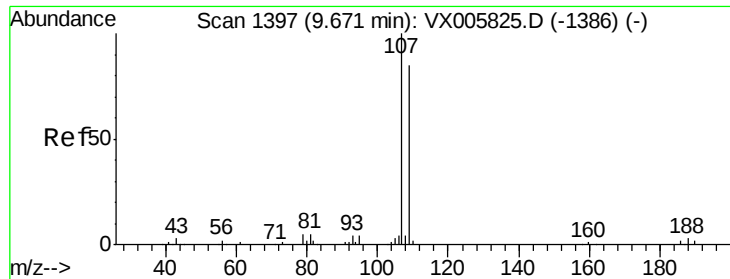
MMDadoda
11/16/2018 10:41:00 AM



#60
Dibromochloromethane
Concen: 42.71 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion: 129 Resp: 65327
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





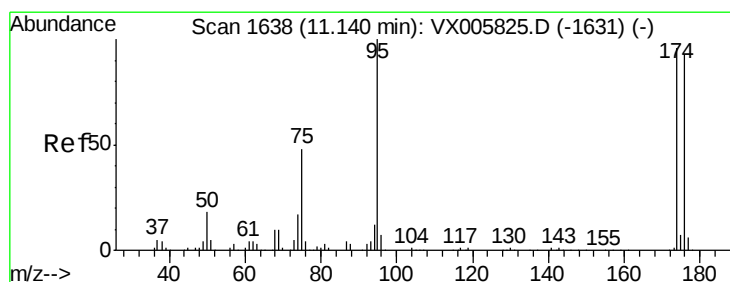
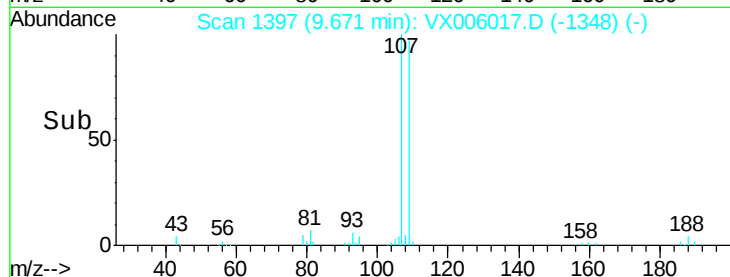
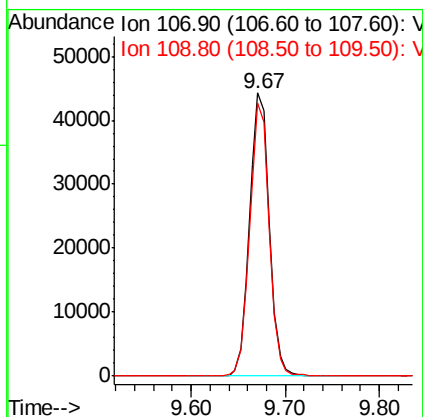
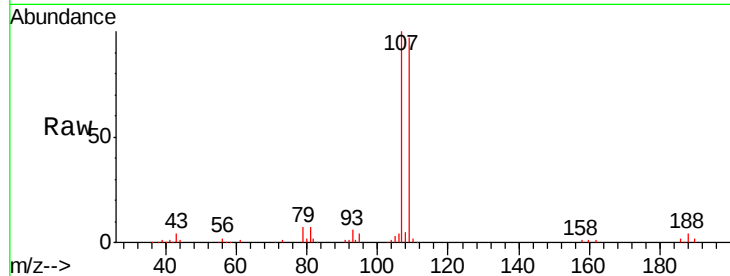
#61
 1,2-Dibromoethane
 Concen: 41.75 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 65336
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5

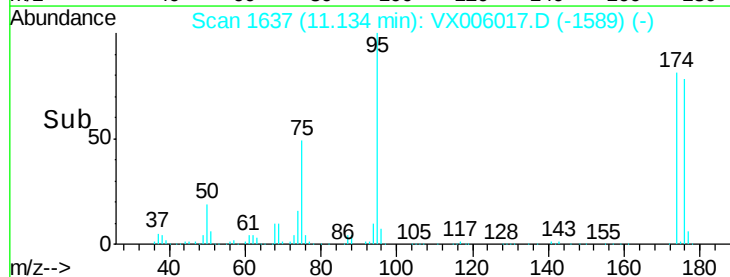
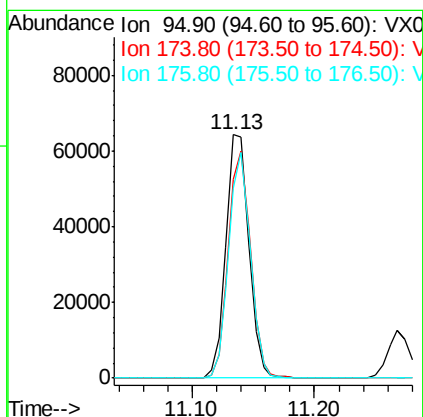
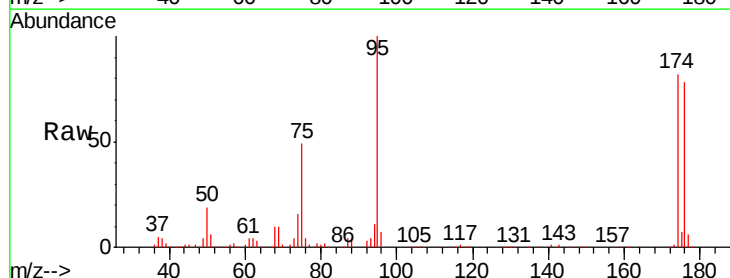
Manual Integrations
 APPROVED

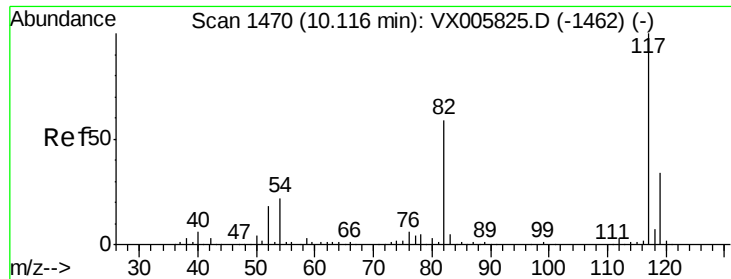
MMDadoda
 11/16/2018 10:41:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.89 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion: 95 Resp: 83638
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 184.4
 176 88.1 0.0 177.4





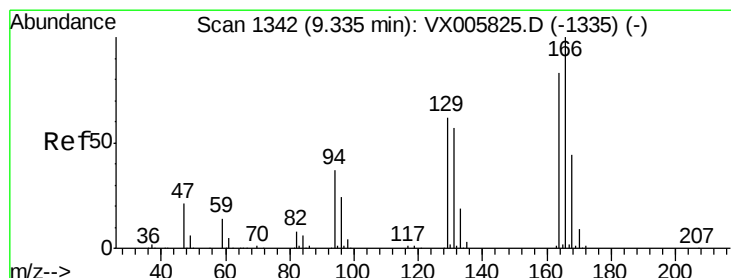
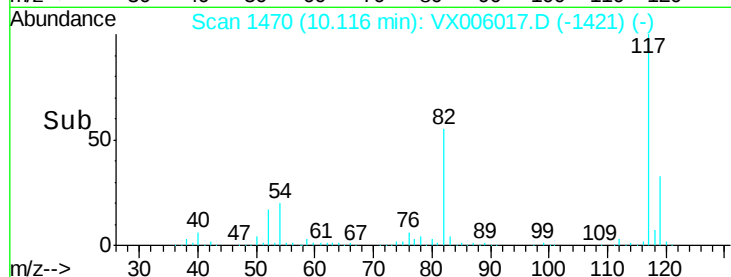
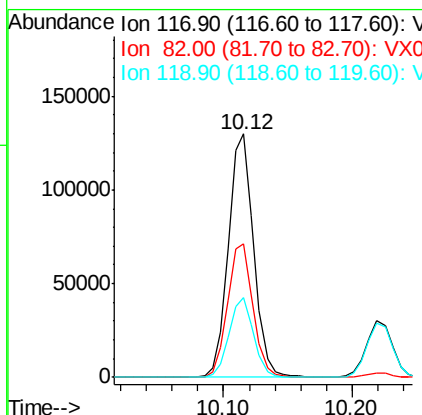
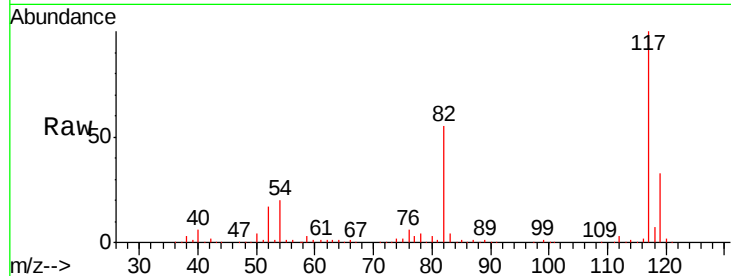
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	179048		
82	54.7	44.1	66.1	
119	32.6	26.2	39.2	

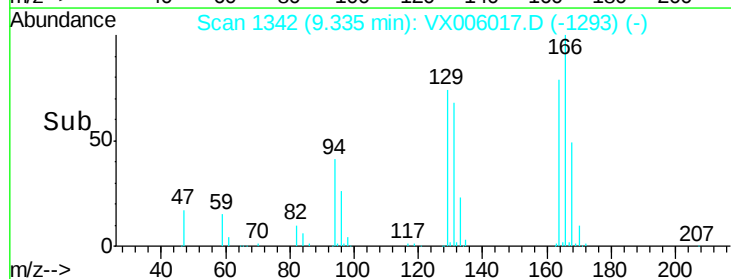
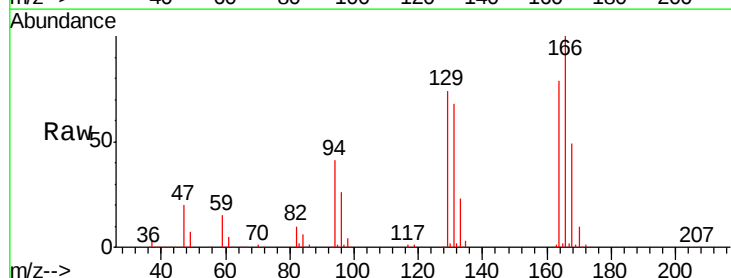
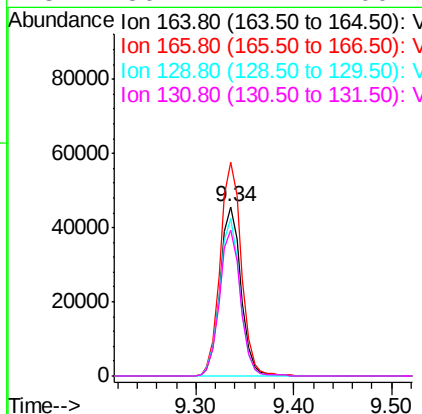
Manual Integrations
APPROVED

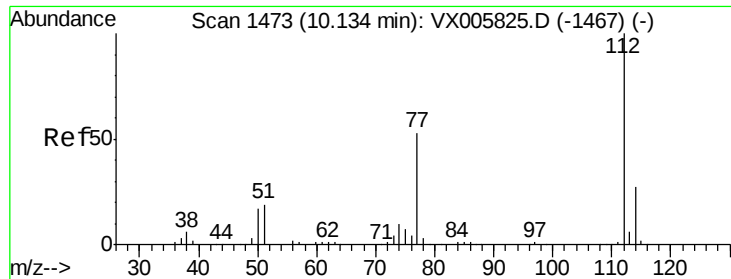
MMDadoda
11/16/2018 10:41:00 AM



#64
Tetrachloroethene
Concen: 44.50 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67834		
166	126.0	101.9	152.9	
129	92.9	72.6	109.0	
131	86.1	71.1	106.7	





#65

Chlorobenzene

Concen: 47.80 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 171446

Ion Ratio Lower Upper

112 100

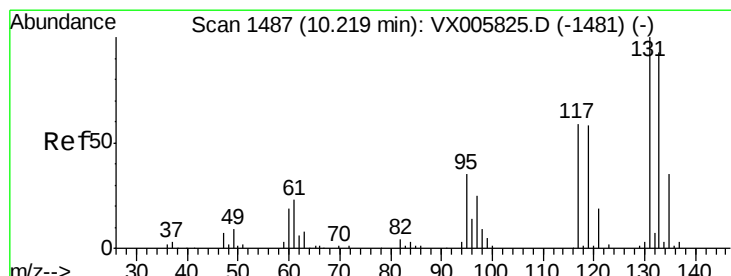
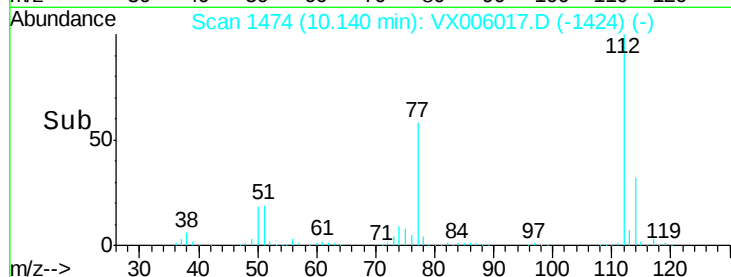
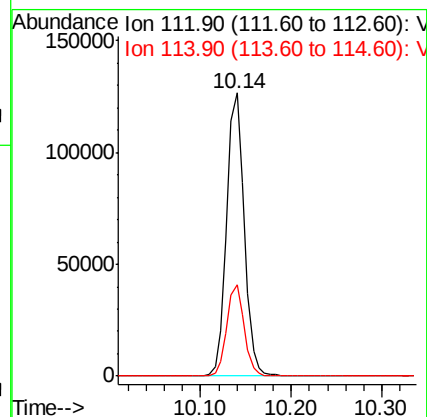
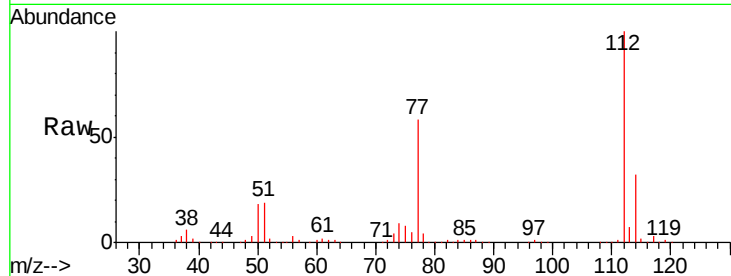
114 32.3 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.93 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

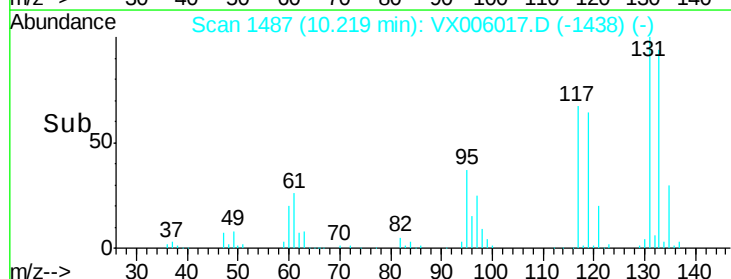
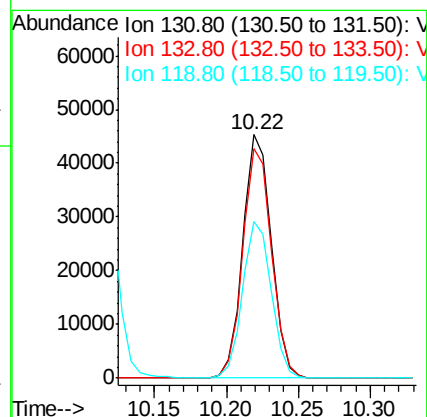
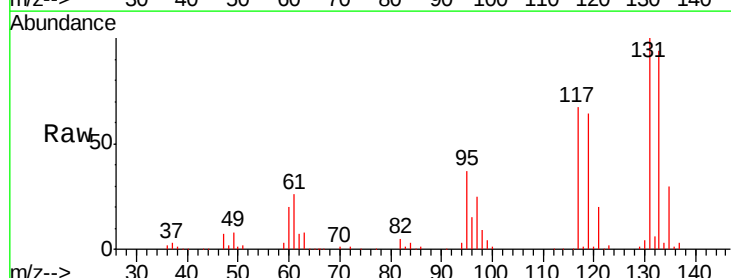
Tgt Ion:131 Resp: 62264

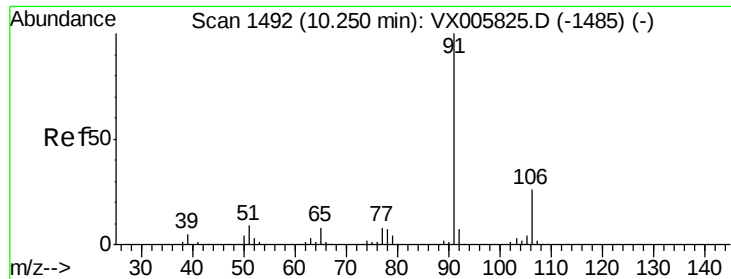
Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.5

119 64.8 31.8 95.3





#67

Ethyl Benzene

Concen: 51.41 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 295678

Ion Ratio Lower Upper

91 100

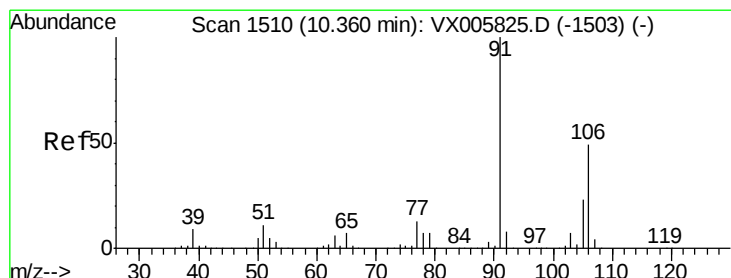
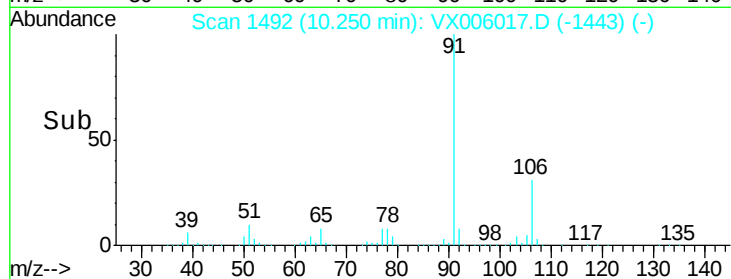
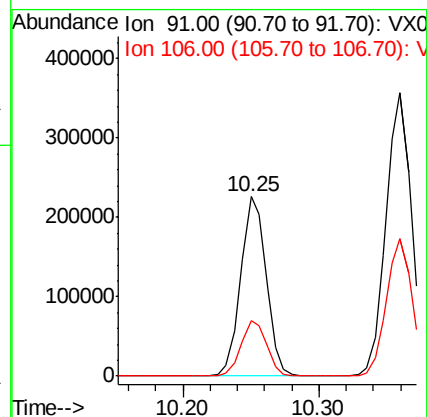
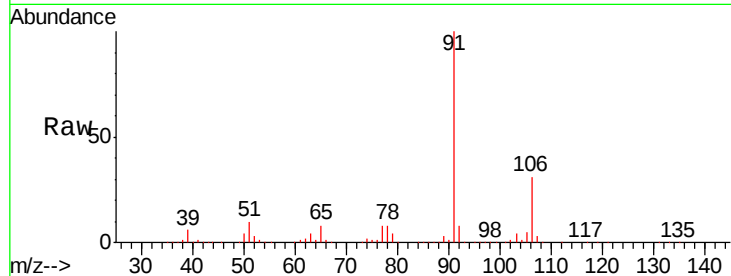
106 30.9 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.33 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006017.D

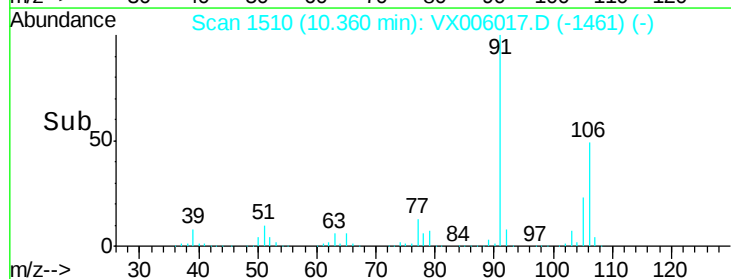
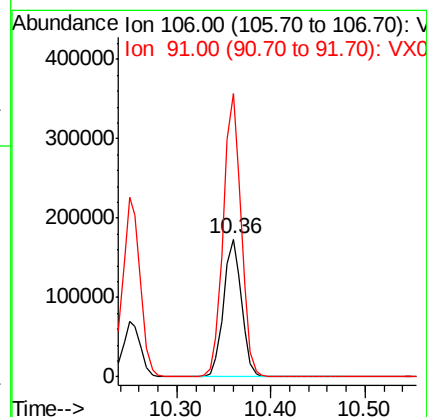
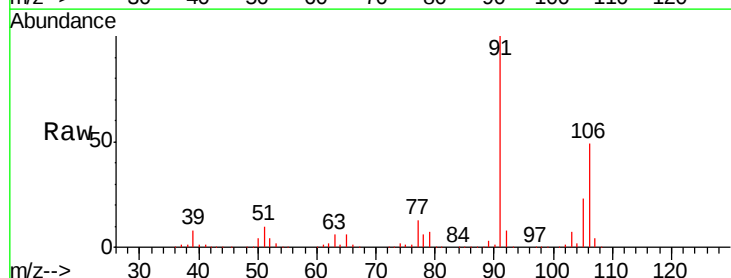
Acq: 15 Nov 2018 11:59

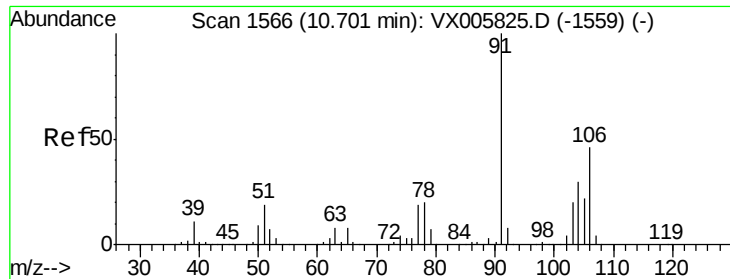
Tgt Ion: 106 Resp: 228894

Ion Ratio Lower Upper

106 100

91 205.4 164.2 246.4





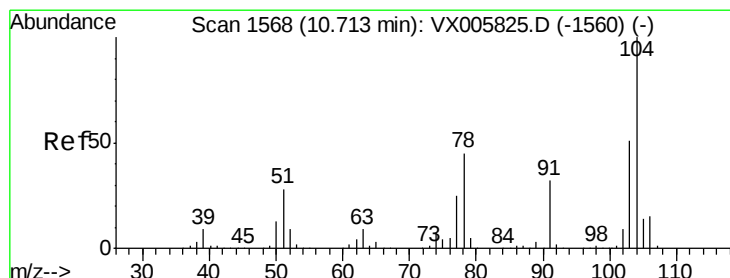
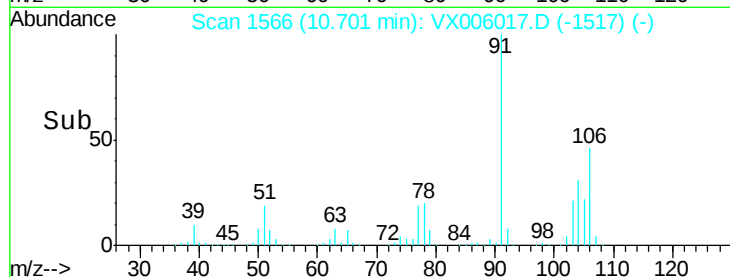
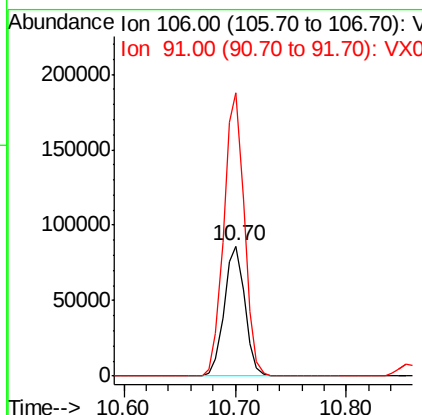
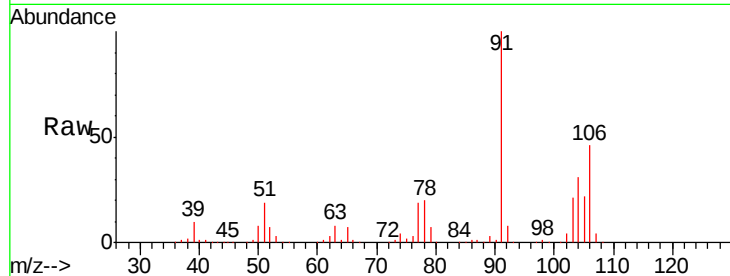
#69
o-Xylene
Concen: 55.72 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 109623
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5

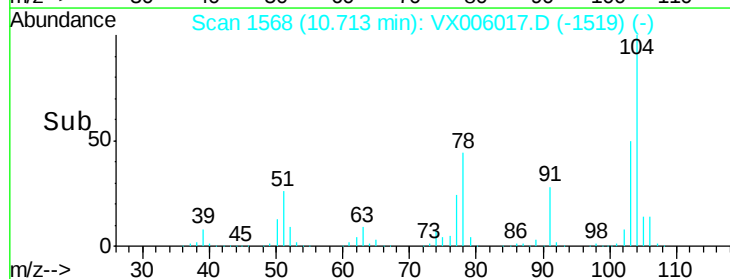
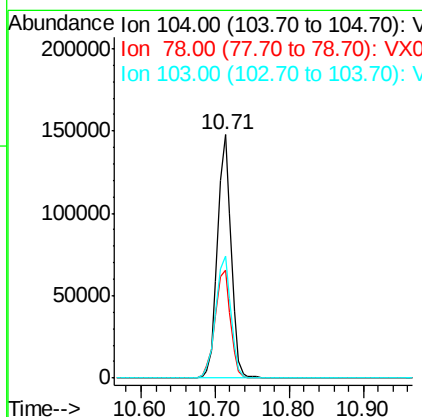
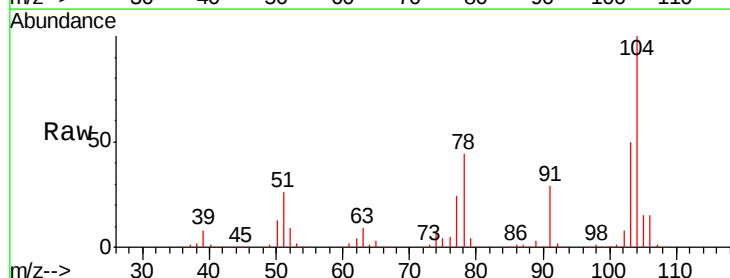
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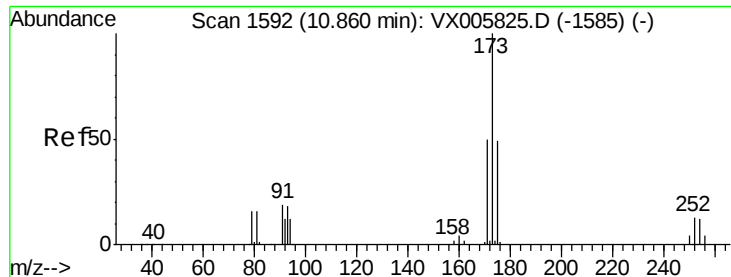
MMDadoda
11/16/2018 10:41:00 AM



#70
Styrene
Concen: 57.09 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion:104 Resp: 185259
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 55.8 44.9 67.3





#71

Bromoform

Concen: 51.22 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

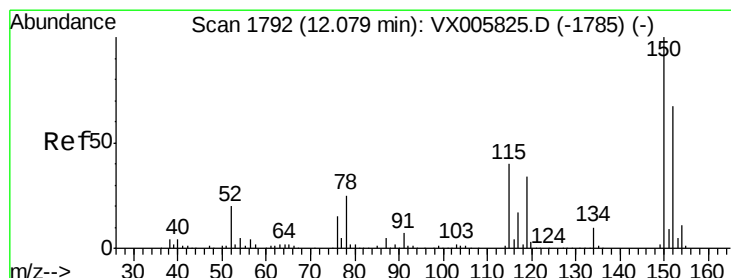
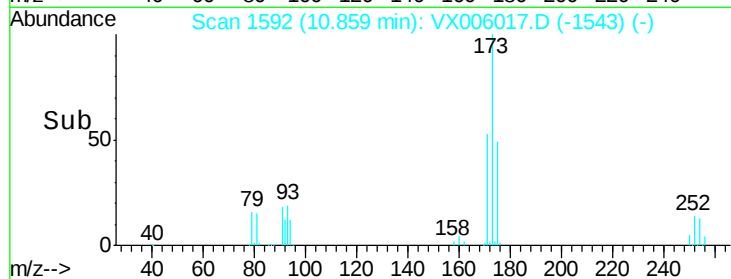
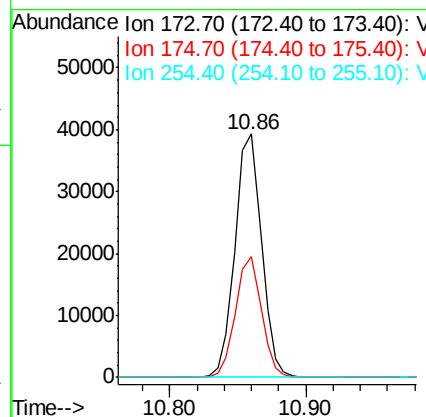
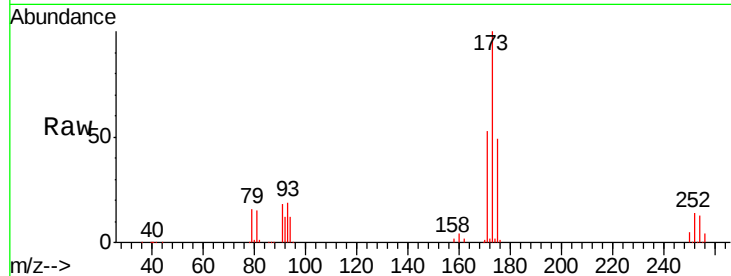
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

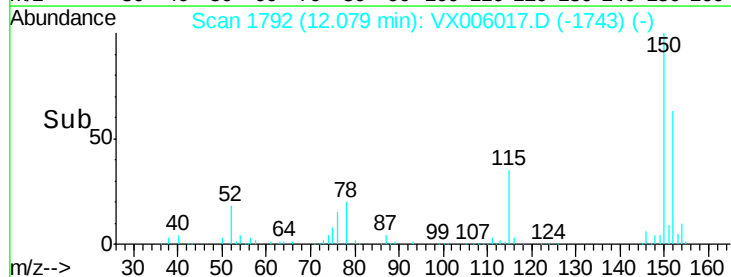
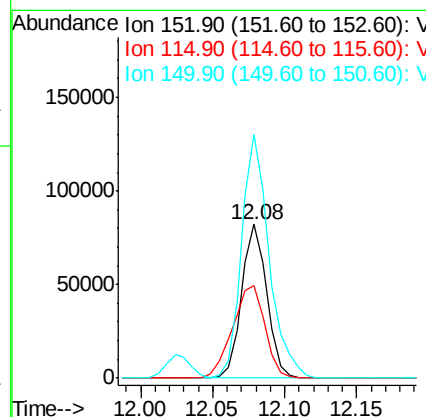
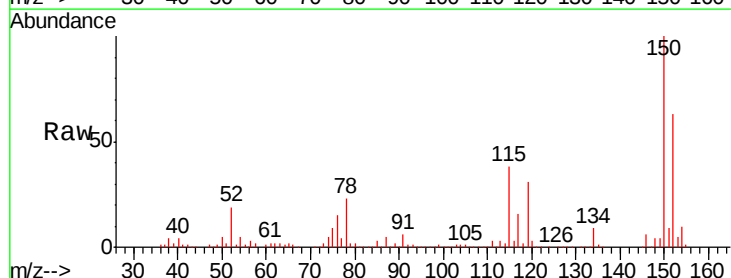
RT: 12.08 min Scan# 1792

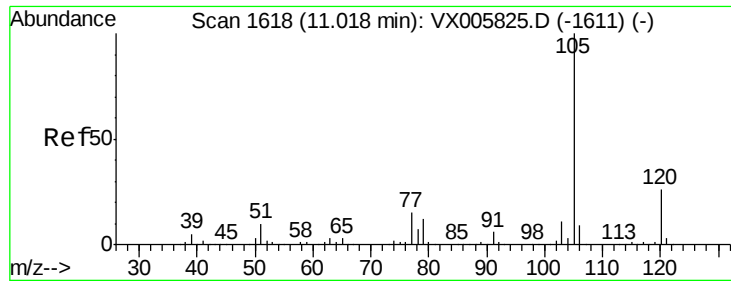
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	39.4	118.1
150	173.1	0.0	346.4





#73

Isopropylbenzene

Concen: 52.57 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 303902

Ion Ratio Lower Upper

105 100

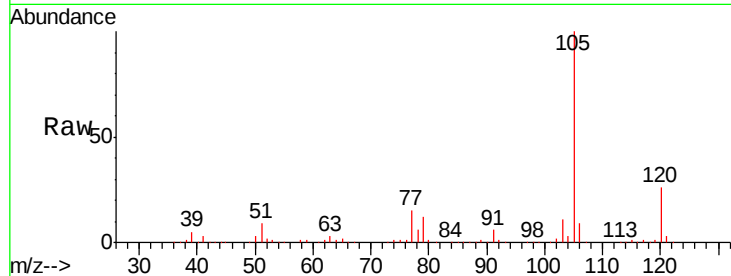
120 26.5 13.1 39.3

Manual Integrations

APPROVED

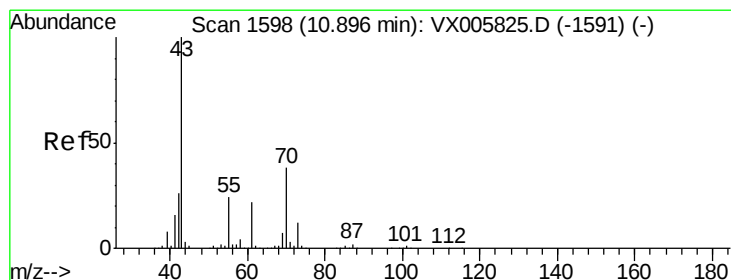
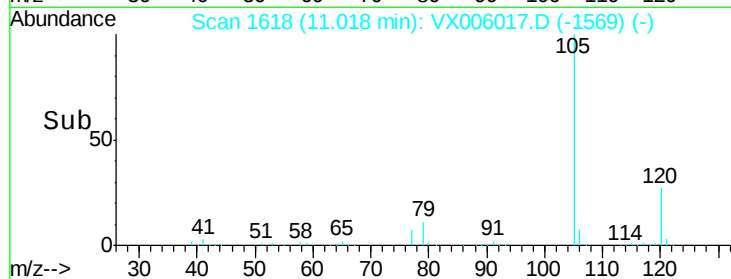
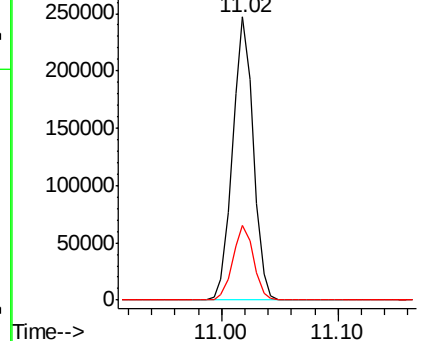
MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.09 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion: 43 Resp: 152495

Ion Ratio Lower Upper

43 100

70 39.5 31.6 47.4

55 23.5 19.7 29.5

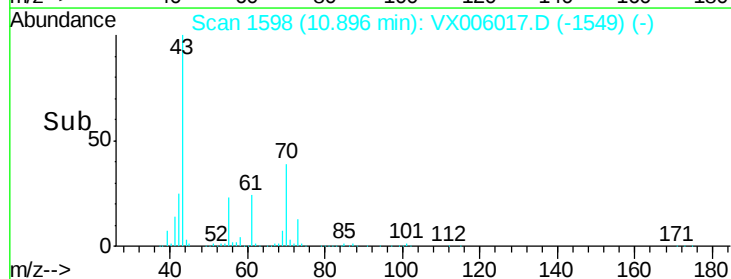
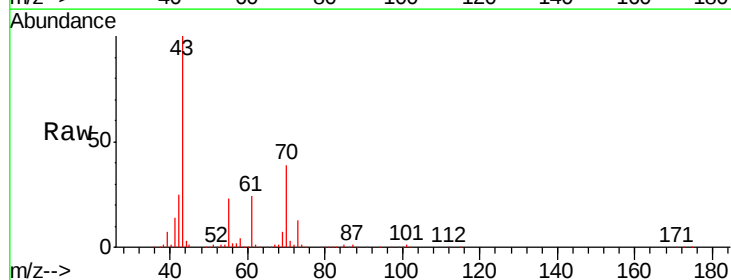
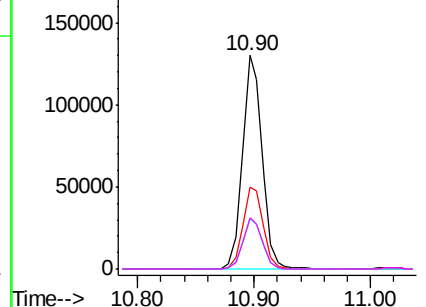
61 23.5 18.3 27.5

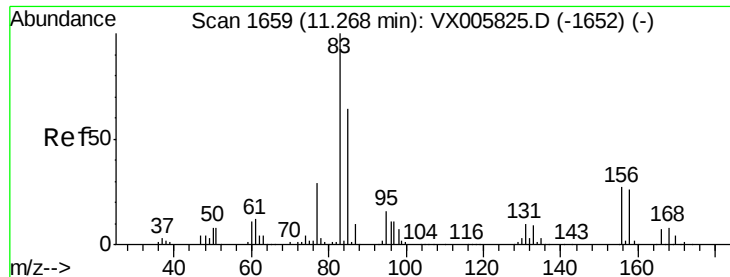
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





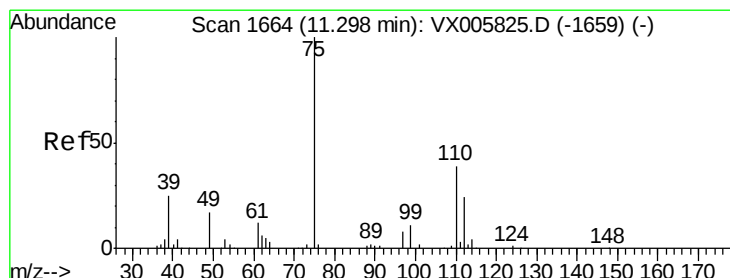
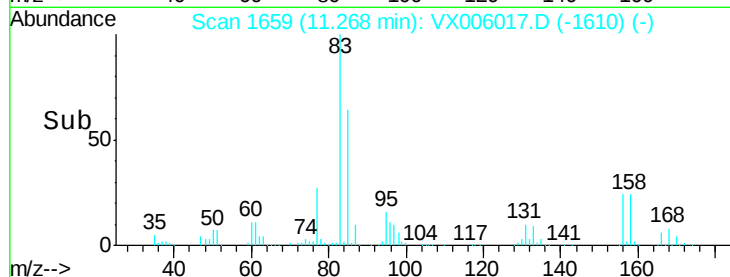
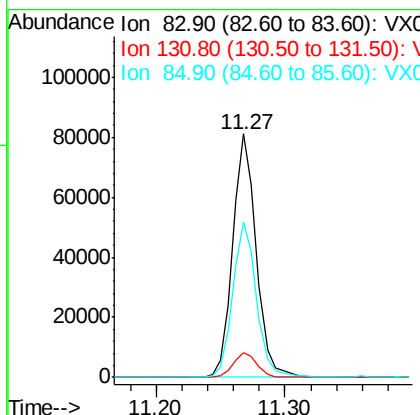
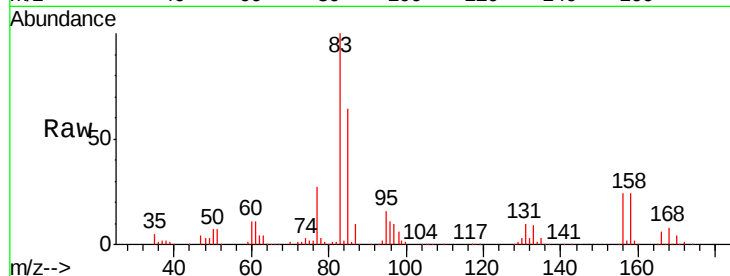
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.68 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.9
85	64.4	32.0	96.2

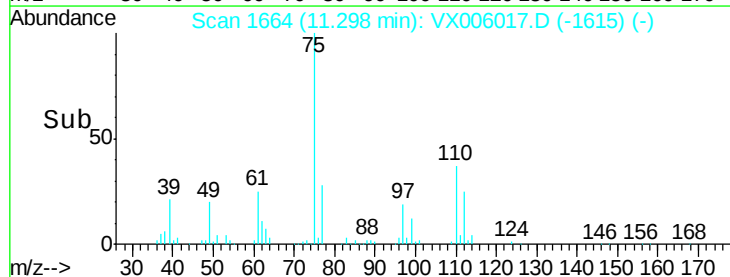
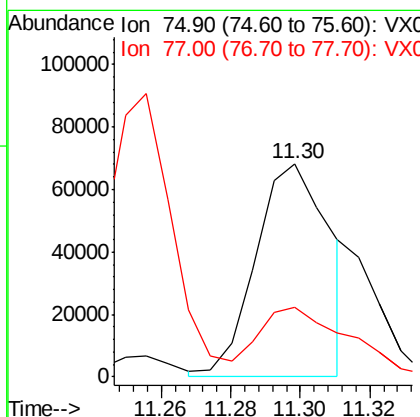
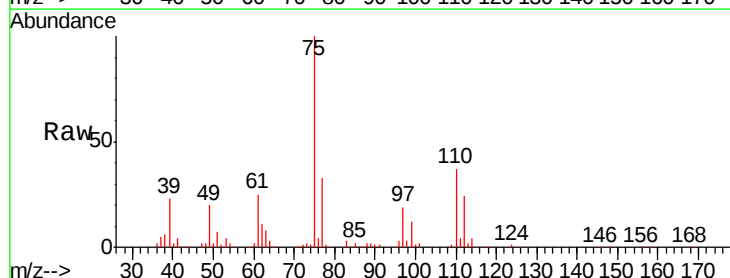
Manual Integrations
 APPROVED

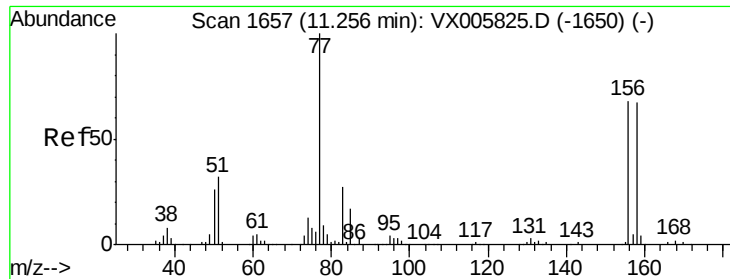
MMDadoda
 11/16/2018 10:41:00 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.75 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	39.5	20.5	61.6





#77

Bromobenzene

Concen: 48.45 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

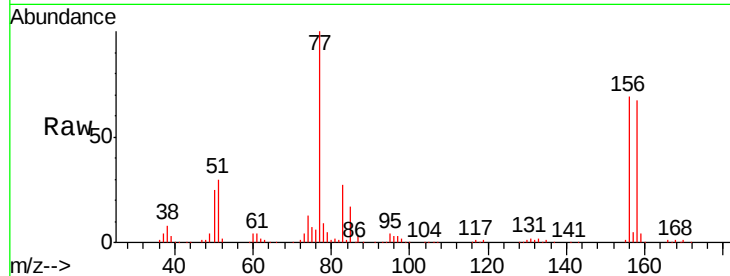
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	78951
Ion Ratio	Lower	Upper	
156	100		
77	150.4	74.8	224.4
158	96.8	49.1	147.3

Manual Integrations
APPROVED

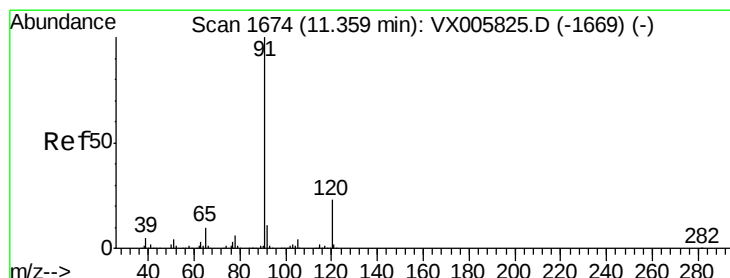
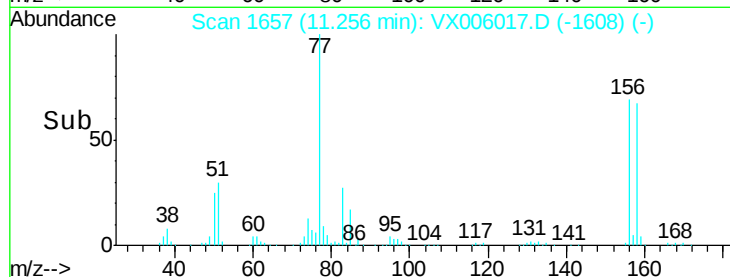
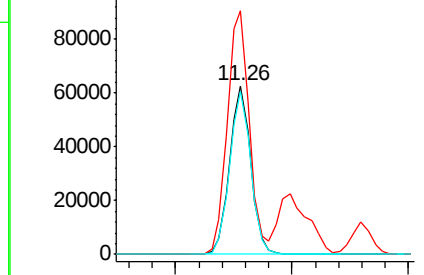
MMDadoda
11/16/2018 10:41:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.09 ug/l

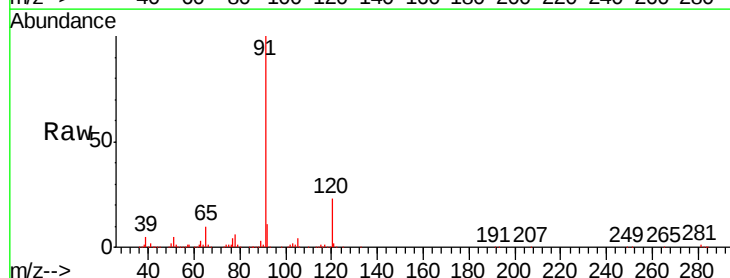
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006017.D

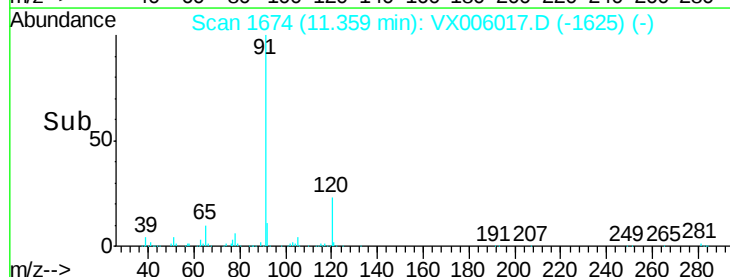
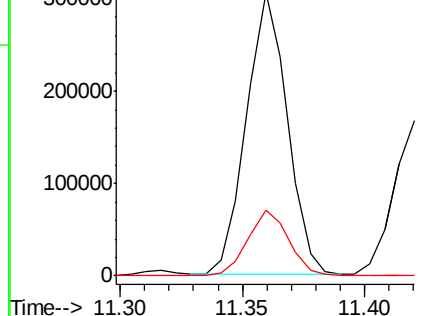
Acq: 15 Nov 2018 11:59

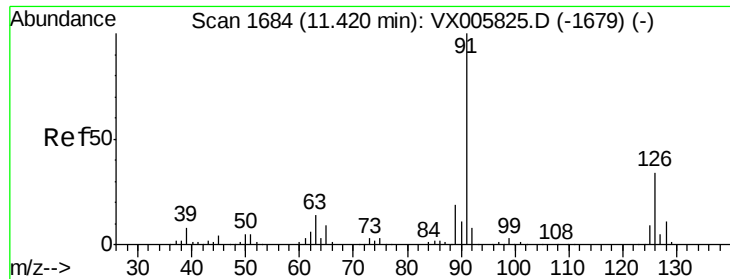
Tgt Ion:	91	Resp:	354895
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





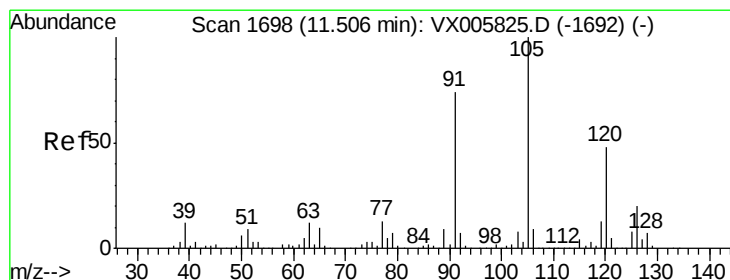
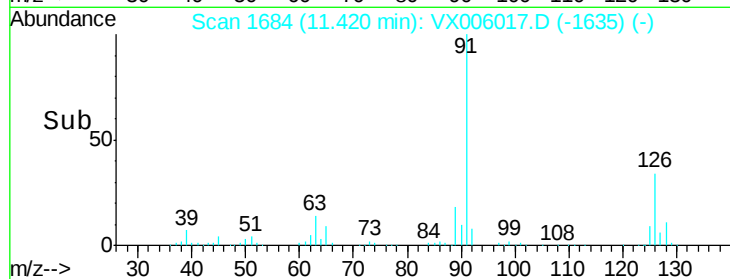
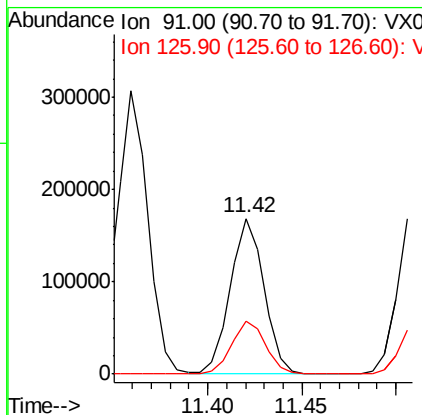
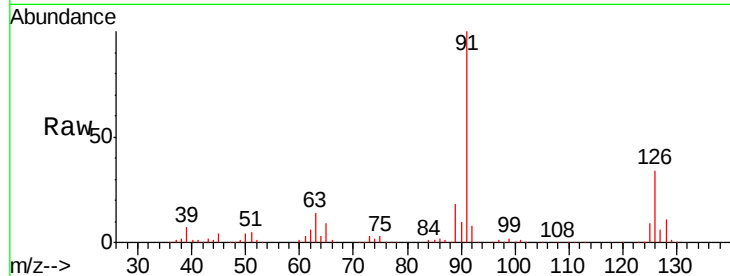
#79
 2-Chlorotoluene
 Concen: 50.44 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 207714
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0

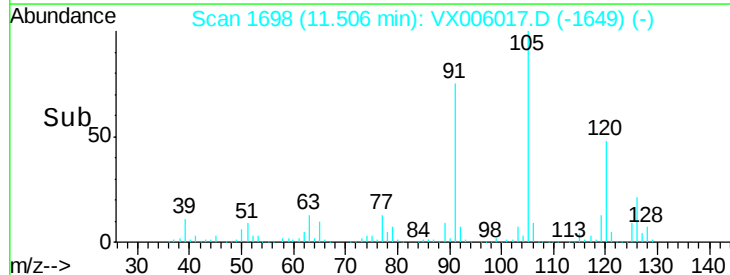
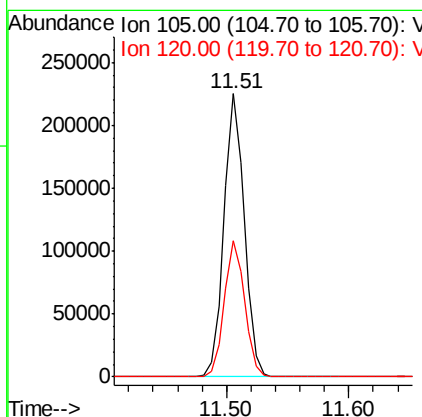
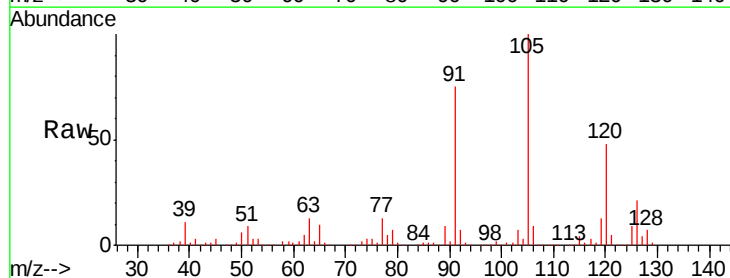
Manual Integrations
 APPROVED

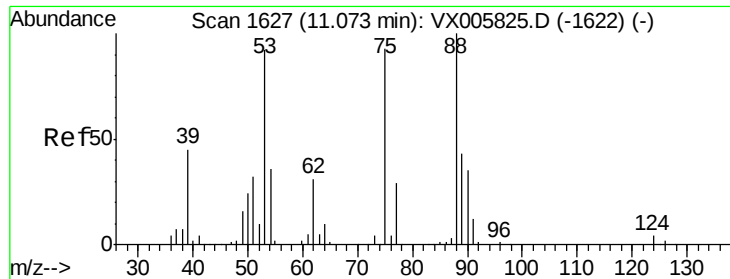
MMDadoda
 11/16/2018 10:41:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.67 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion: 105 Resp: 258774
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.29 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

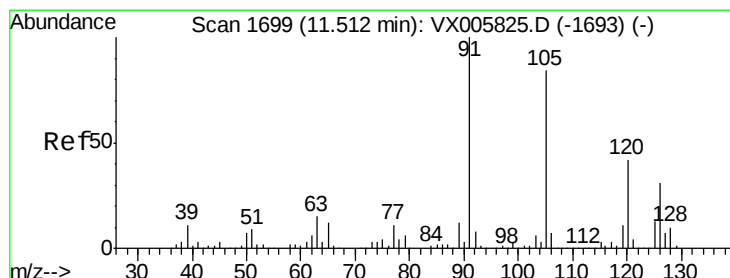
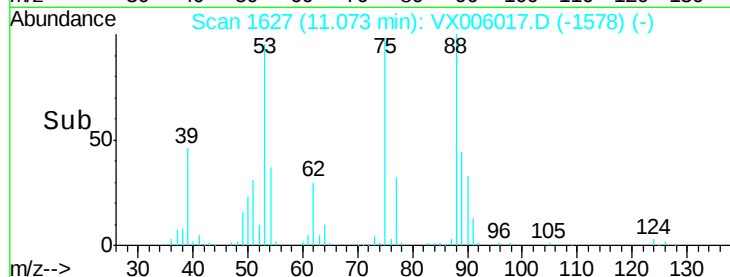
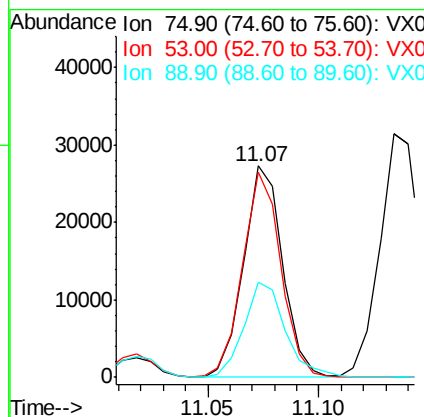
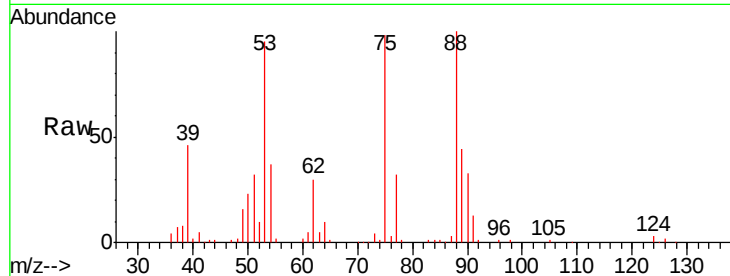
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	33396
Ion Ratio	Lower	Upper	
75	100		
53	95.7	80.2	120.2
89	48.0	39.8	59.8

Manual Integrations
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11/16/2018 10:41:00 AM



#82

4-Chlorotoluene

Concen: 50.80 ug/l

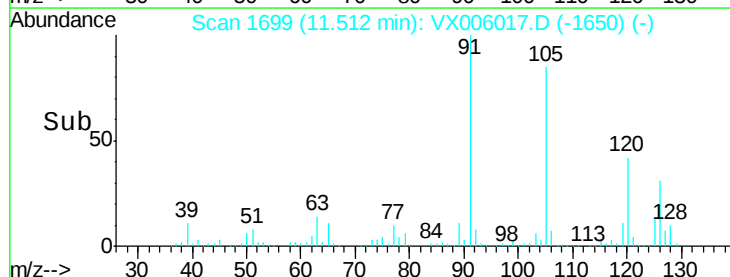
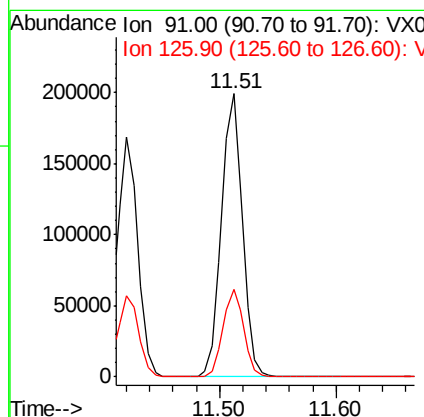
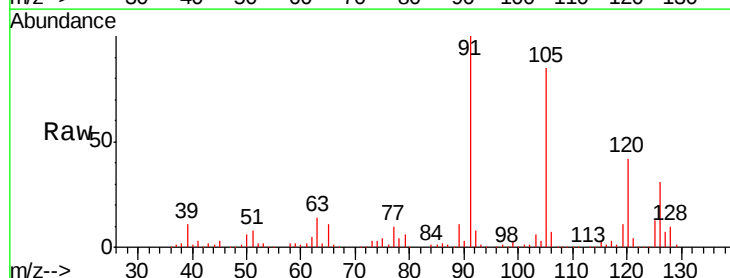
RT: 11.51 min Scan# 1699

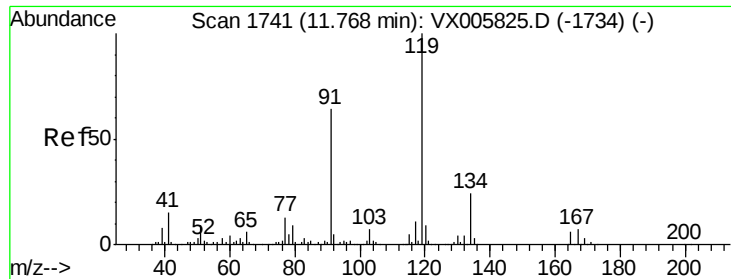
Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Tgt Ion:	91	Resp:	246541
Ion Ratio	Lower	Upper	
91	100		
126	30.6	15.2	45.6





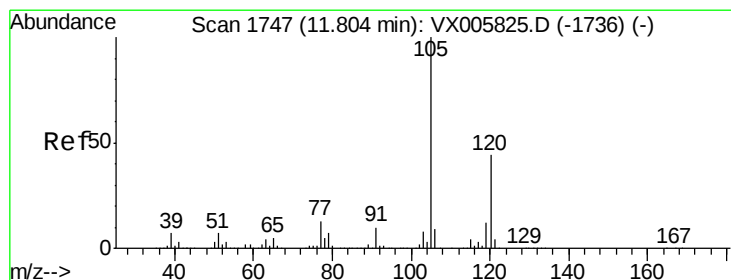
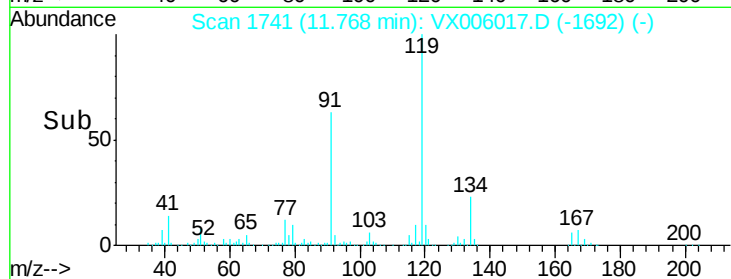
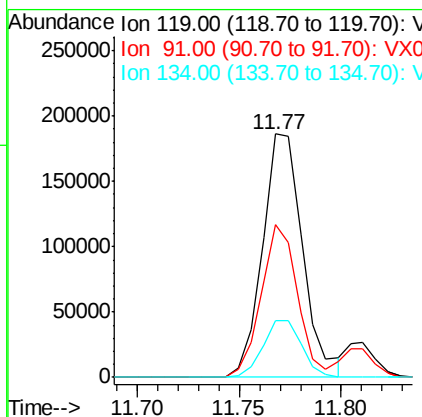
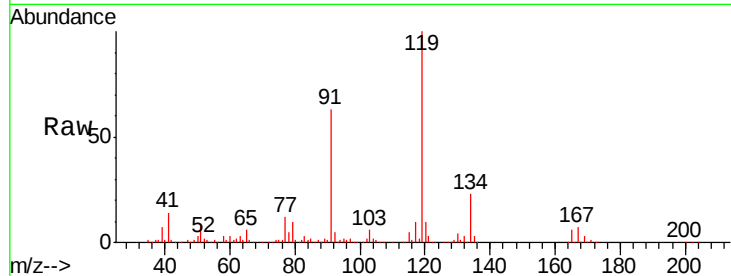
#83
 tert-Butylbenzene
 Concen: 51.58 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256337		
91	56.8	28.5	85.5	
134	22.7	11.3	33.8	

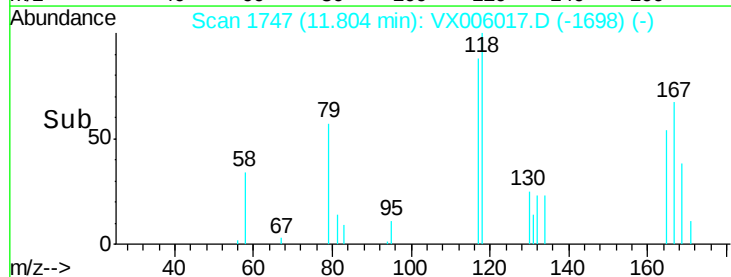
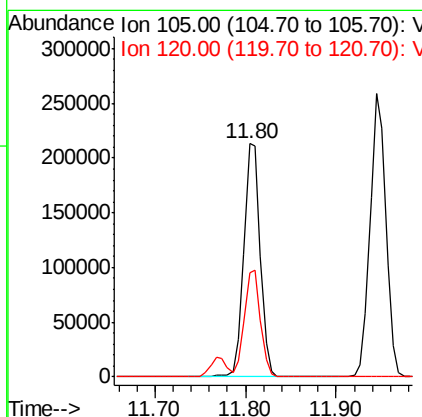
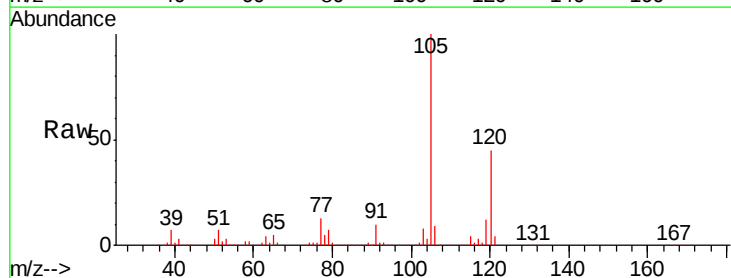
Manual Integrations
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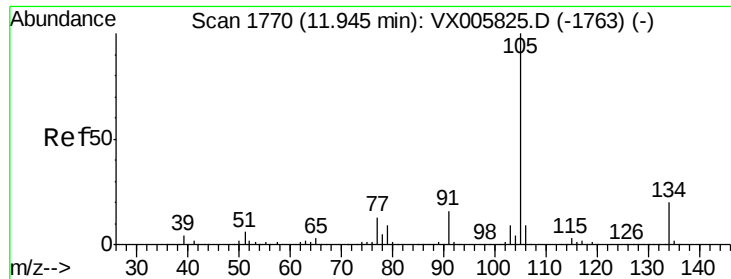
MMDadoda
 11/16/2018 10:41:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.24 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	266948		
120	44.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 51.65 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 313918

Ion Ratio Lower Upper

105 100

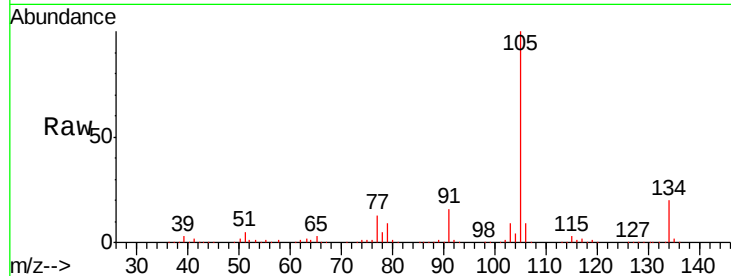
134 20.4 10.2 30.4

Manual Integrations

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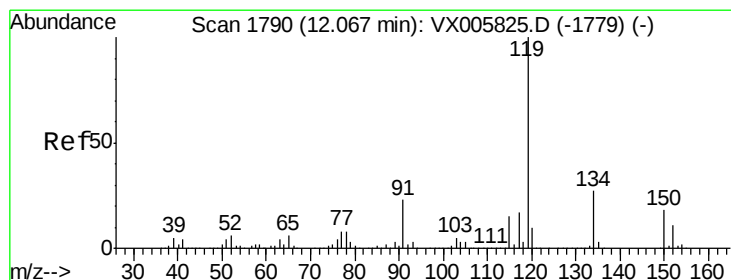
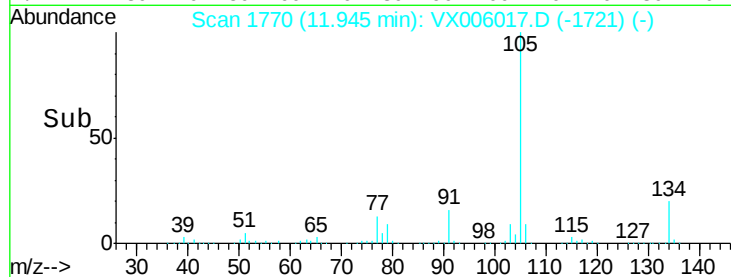
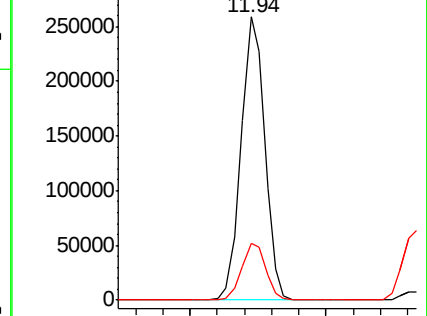
MMDadoda

11/16/2018 10:41:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.94 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006017.D

Acq: 15 Nov 2018 11:59

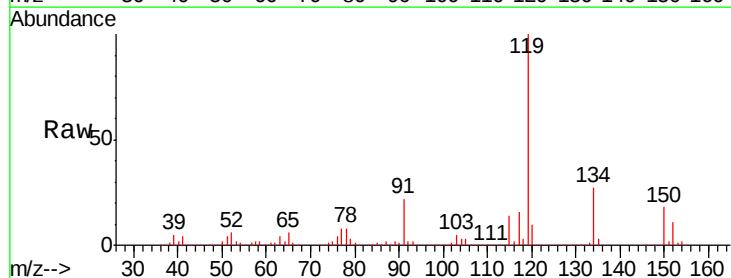
Tgt Ion:119 Resp: 285002

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

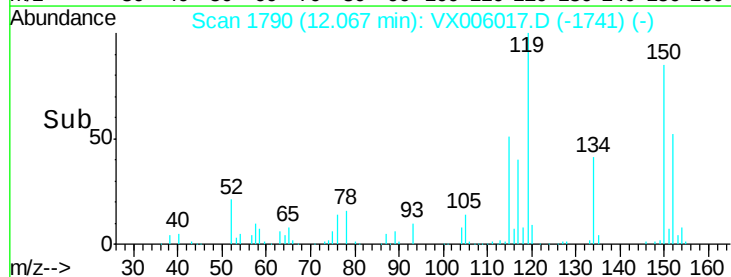
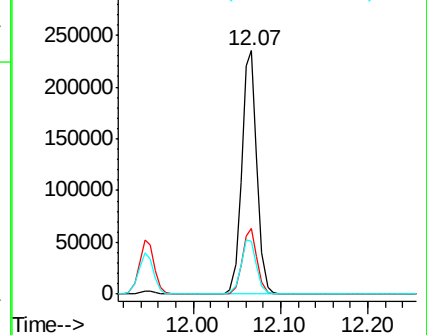
91 23.0 11.4 34.2

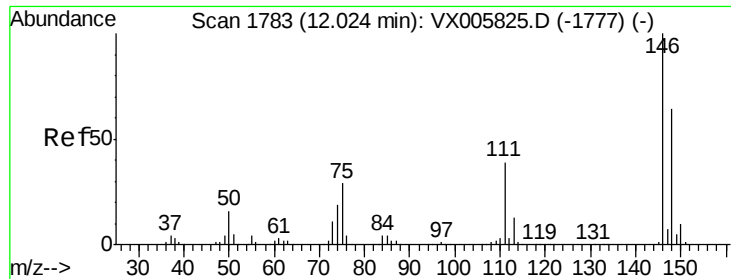


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





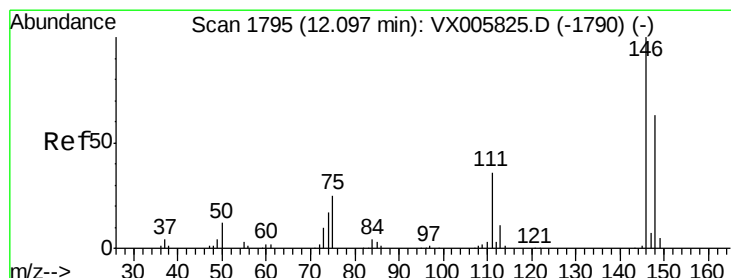
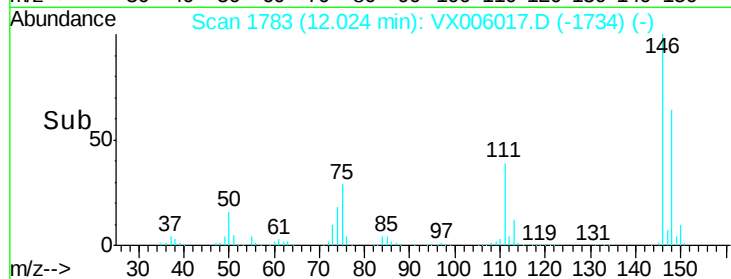
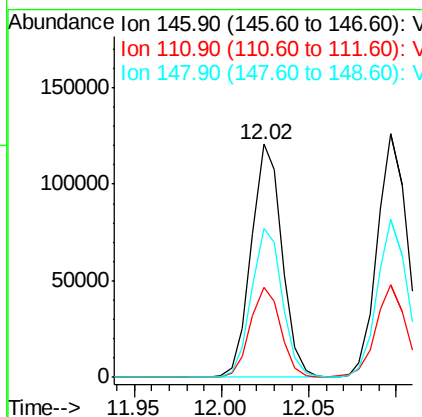
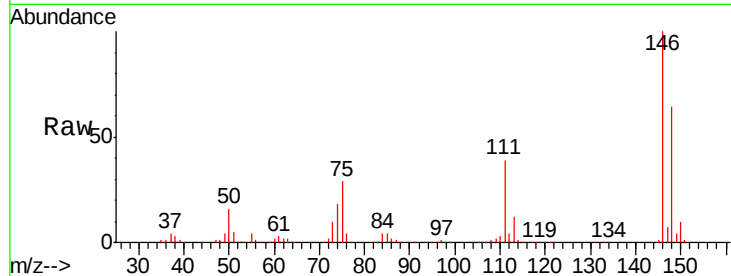
#87
 1,3-Dichlorobenzene
 Concen: 47.49 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	64.1	31.9	95.9

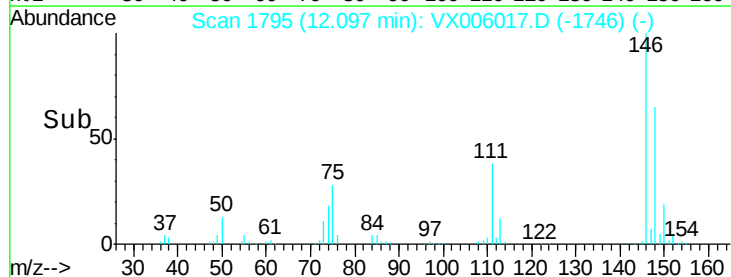
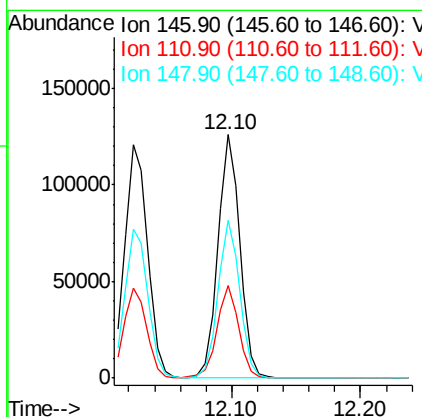
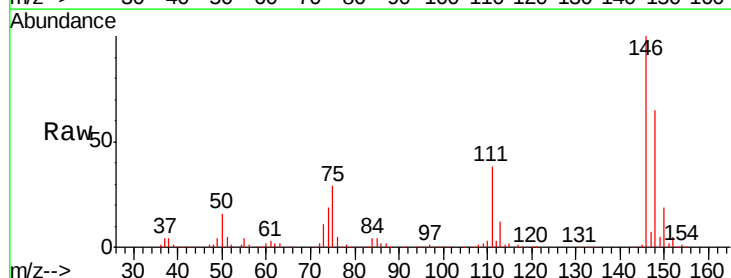
Manual Integrations
 APPROVED

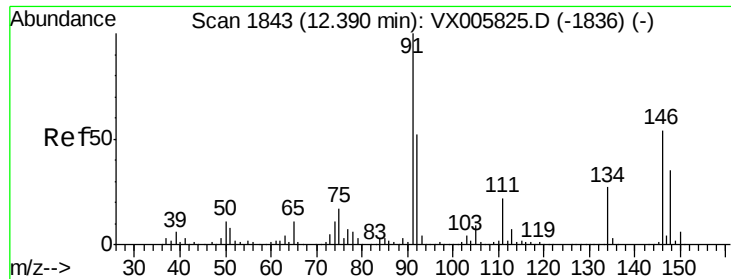
MMDadoda
 11/16/2018 10:41:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.35 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.4	32.1	96.3





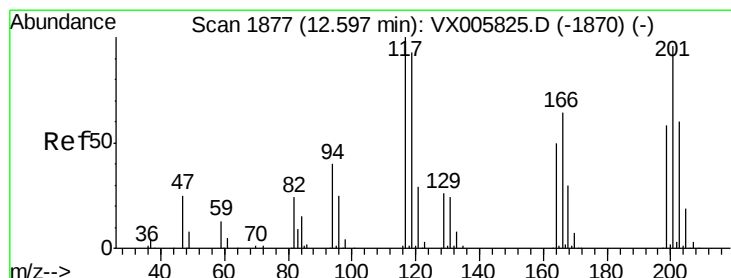
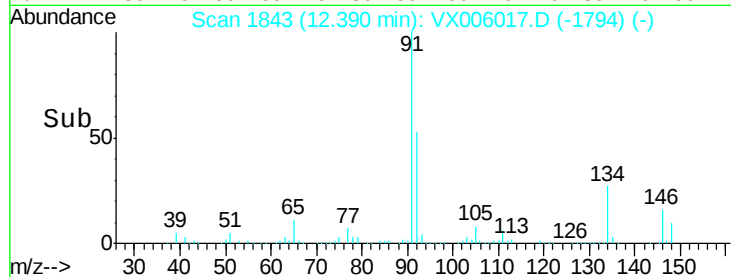
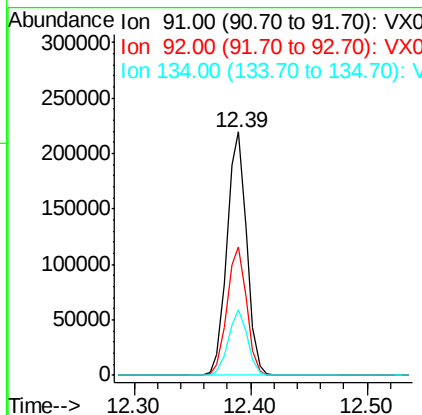
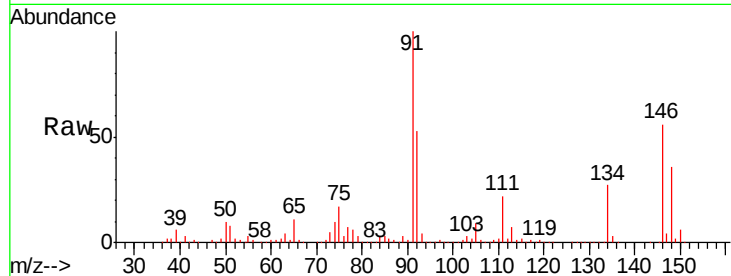
#89
n-Butylbenzene
Concen: 51.36 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	26.2	13.1	39.3

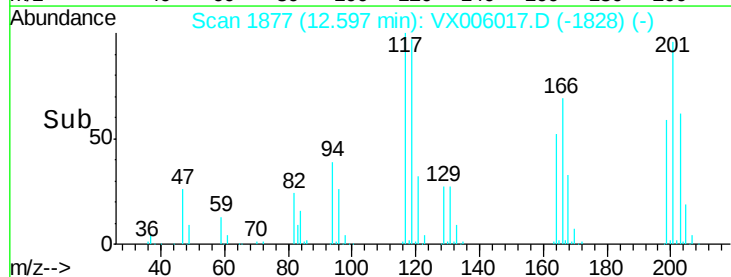
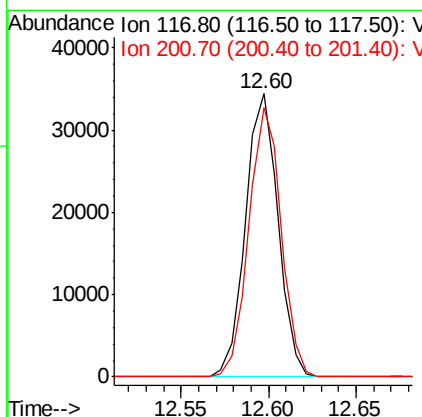
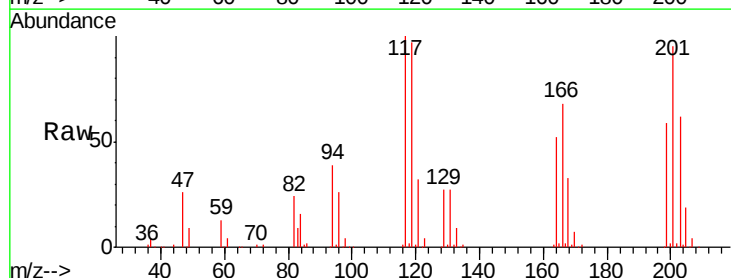
Manual Integrations
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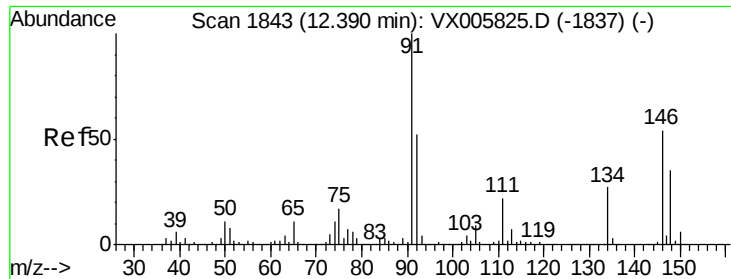
MMDadoda
11/16/2018 10:41:00 AM



#90
Hexachloroethane
Concen: 49.32 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	47.9	143.6





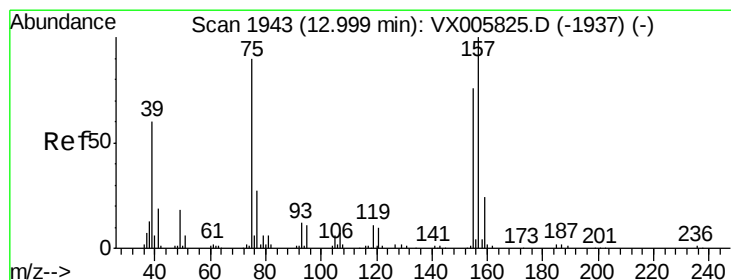
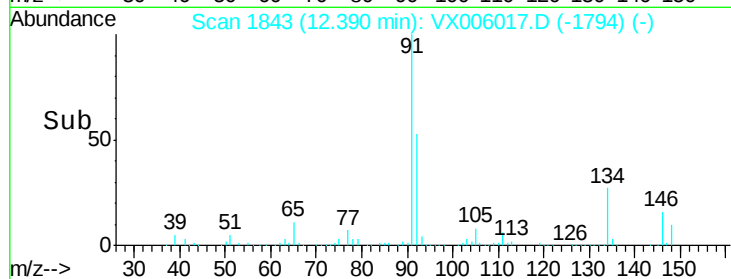
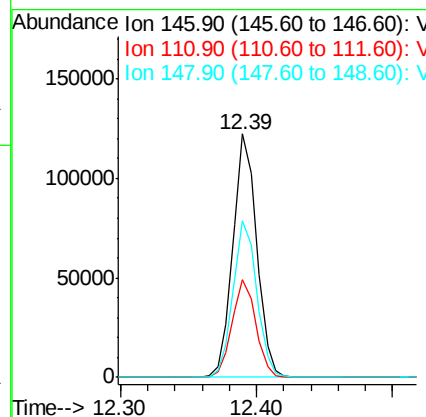
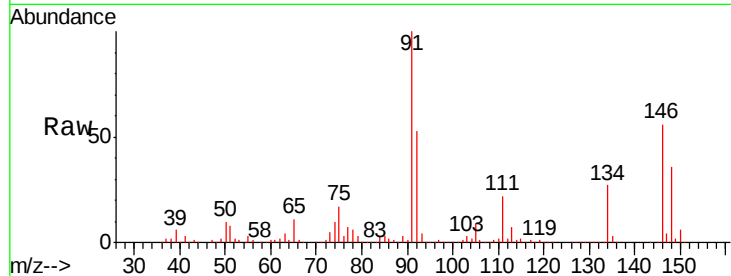
#91
 1,2-Dichlorobenzene
 Concen: 47.40 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.4	32.2	96.6

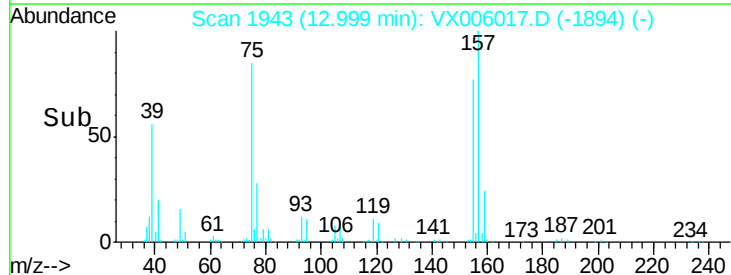
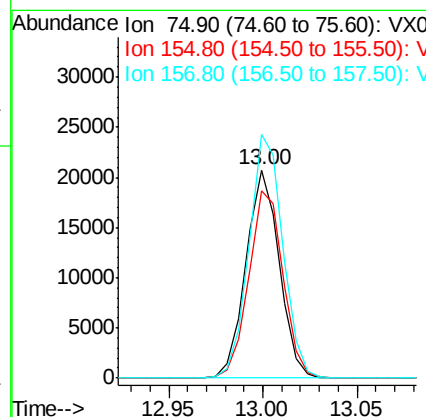
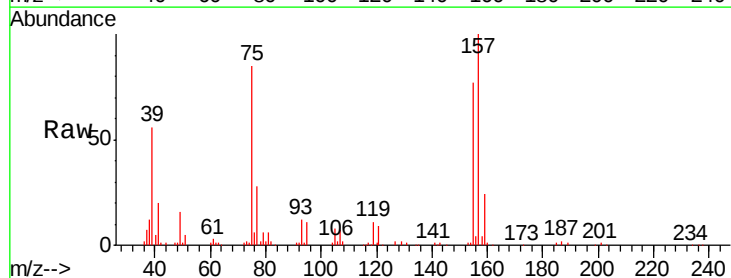
Manual Integrations
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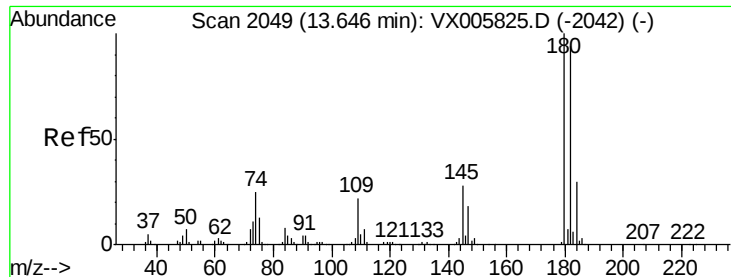
MMDadoda
 11/16/2018 10:41:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.06 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.4	136.1
157	118.7	57.4	172.0





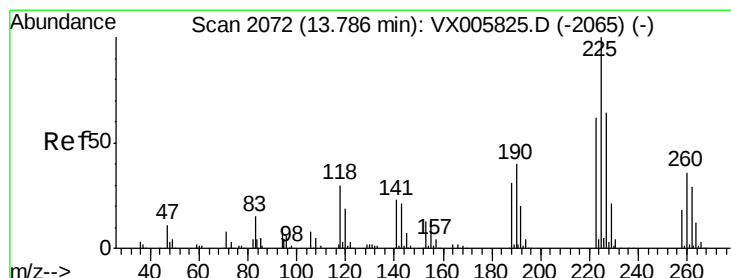
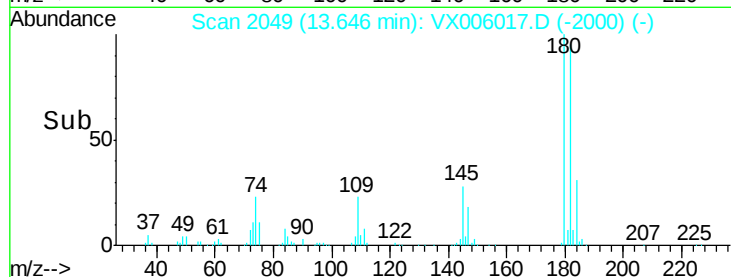
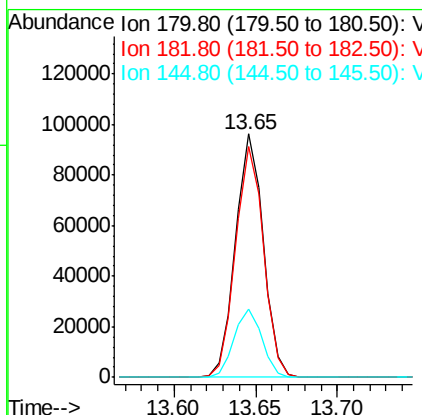
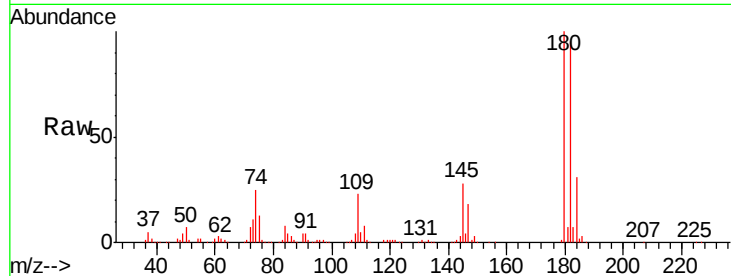
#93
 1,2,4-Trichlorobenzene
 Concen: 51.72 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114061		
182	95.6	47.6	142.8	
145	28.3	14.1	42.2	

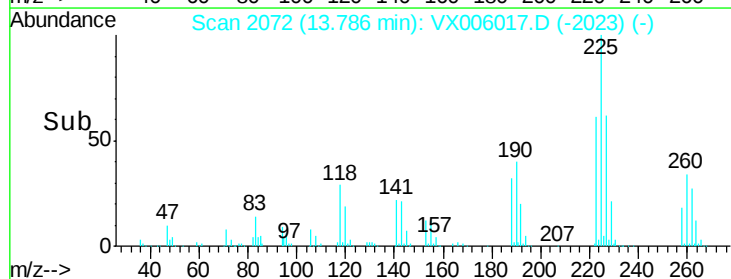
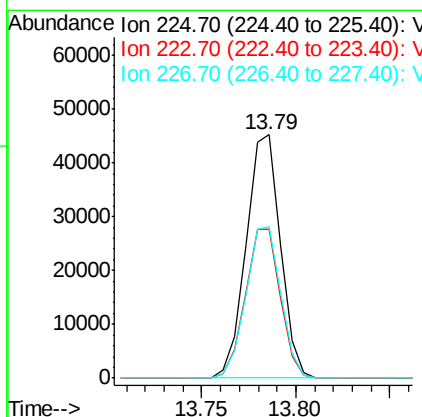
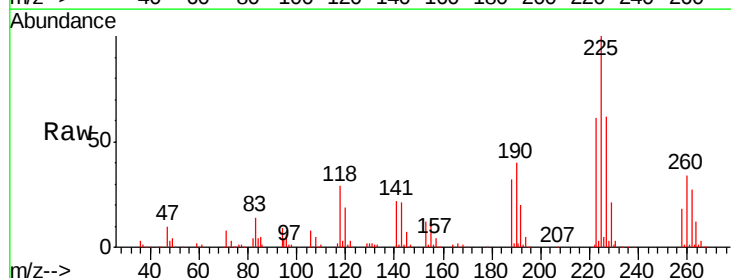
Manual Integrations
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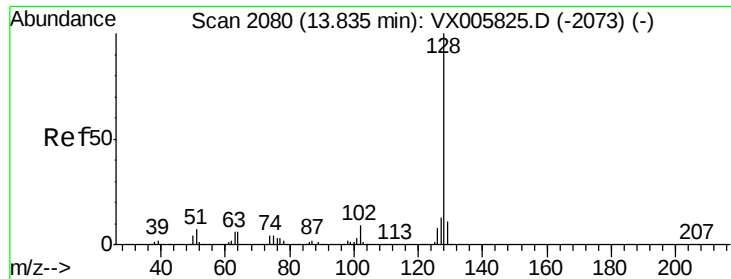
MMDadoda
 11/16/2018 10:41:00 AM



#94
 Hexachlorobutadiene
 Concen: 49.21 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006017.D
 Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57011		
223	62.4	31.7	95.1	
227	63.1	32.3	96.9	





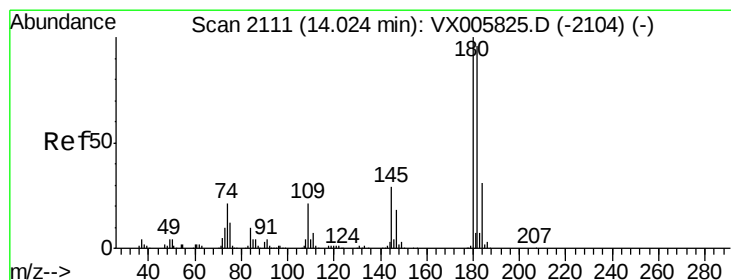
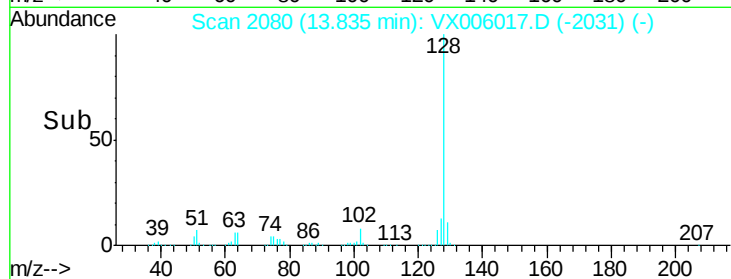
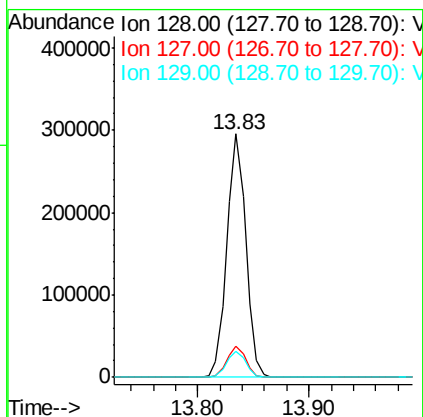
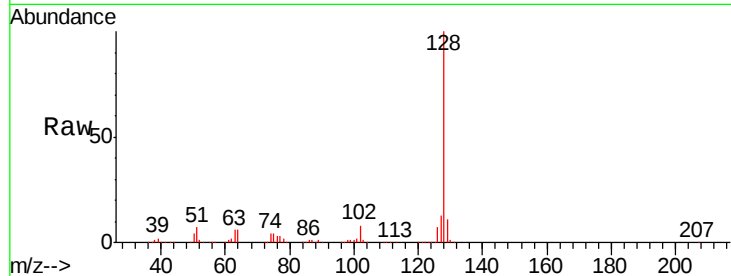
#95
Naphthalene
Concen: 48.49 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	348474		
127	12.9	10.4	15.6	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.56 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006017.D
Acq: 15 Nov 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115842		
182	94.8	48.0	144.2	
145	29.5	15.1	45.3	

