

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005842.D
 Acq On : 08 Nov 2018 13:16
 Operator : JC/MD
 Sample : VX1108WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:05 AM

Quant Time: Nov 08 13:46:14 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	5.65	168	130223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	178832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	147459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80766	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	5.49	113	66724	54.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.72%	
50) Toluene-d8	8.71	98	213891	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.14	95	79990	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	28903	24.617	ug/l	98
3) Chloromethane	1.32	50	35797	23.232	ug/l	99
4) Vinyl Chloride	1.40	62	36039	23.298	ug/l	95
5) Bromomethane	1.64	94	19529	20.630	ug/l	94
6) Chloroethane	1.72	64	21238	23.010	ug/l	96
7) Trichlorofluoromethane	1.93	101	48155	23.453	ug/l	86
8) Diethyl Ether	2.18	74	19296	23.983	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28713	24.314	ug/l	99
10) Methyl Iodide	2.51	142	22251	15.547	ug/l	99
11) Tert butyl alcohol	3.06	59	46644	108.762	ug/l	99
12) 1,1-Dichloroethene	2.37	96	27019	23.474	ug/l	87
13) Acrolein	2.29	56	20686	112.570	ug/l	99
14) Allyl chloride	2.73	41	60327	23.467	ug/l	99
15) Acrylonitrile	3.15	53	103263	116.187	ug/l	99
16) Acetone	2.44	43	98128	121.737	ug/l	92
17) Carbon Disulfide	2.57	76	81664	23.786	ug/l	98
18) Methyl Acetate	2.78	43	53173	23.839	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	94312	24.007	ug/l	98
20) Methylene Chloride	2.86	84	30619	23.125	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	29569	24.356	ug/l	83
22) Diisopropyl ether	3.87	45	109726	24.366	ug/l #	95
23) Vinyl Acetate	3.82	43	492056	127.436	ug/l	99
24) 1,1-Dichloroethane	3.69	63	58309	24.269	ug/l	97
25) 2-Butanone	4.70	43	146074	115.267	ug/l	95
26) 2,2-Dichloropropane	4.57	77	45495	25.814	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	32378	24.153	ug/l	99
28) Bromochloromethane	5.02	49	28599	26.634	ug/l	99
29) Tetrahydrofuran	5.15	42	96284	118.332	ug/l	99
30) Chloroform	5.21	83	54519	23.520	ug/l	99
31) Cyclohexane	5.57	56	49745	23.852	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	46458	24.029	ug/l	99
36) 1,1-Dichloropropene	5.80	75	42633	24.729	ug/l	97
37) Ethyl Acetate	4.84	43	52459	23.140	ug/l	99
38) Carbon Tetrachloride	5.78	117	41824	24.233	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	41019	23.476	ug/l	97
40) Benzene	6.15	78	118050	23.489	ug/l	99
41) Methacrylonitrile	5.06	41	30025	24.510	ug/l	99
42) 1,2-Dichloroethane	6.20	62	42784	23.767	ug/l	100
43) Isopropyl Acetate	6.46	43	70843	21.565	ug/l	97
44) Trichloroethene	7.21	130	29353	22.998	ug/l	85
45) 1,2-Dichloropropane	7.51	63	27513	22.554	ug/l	96
46) Dibromomethane	7.66	93	18144	23.703	ug/l	99
47) Bromodichloromethane	7.90	83	35014	24.204	ug/l	100
48) Methyl methacrylate	7.77	41	34984	23.717	ug/l	98
49) 1,4-Dioxane	7.74	88	14907	468.996	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	233687	112.873	ug/l	100
52) Toluene	8.79	92	63690	22.675	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	38378	22.481	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	41801	24.023	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	26171	20.906	ug/l	99
56) Ethyl methacrylate	9.18	69	39541	21.110	ug/l	97
57) 1,3-Dichloropropane	9.37	76	43963	20.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	117567	119.653	ug/l	100
59) 2-Hexanone	9.49	43	185360	101.572	ug/l	99
60) Dibromochloromethane	9.59	129	27891	20.615	ug/l	100
61) 1,2-Dibromoethane	9.67	107	27615	19.949	ug/l	100
64) Tetrachloroethene	9.34	164	29267	23.312	ug/l	98
65) Chlorobenzene	10.14	112	72151	24.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	26476	25.780	ug/l	99
67) Ethyl Benzene	10.25	91	121863	25.726	ug/l	99
68) m/p-Xylenes	10.36	106	95154	52.663	ug/l	98
69) o-Xylene	10.70	106	45023	27.789	ug/l	99
70) Styrene	10.71	104	75197	28.135	ug/l	99
71) Bromoform	10.86	173	22696	26.362	ug/l #	100
73) Isopropylbenzene	11.02	105	124967	25.896	ug/l	99
74) N-amyl acetate	10.90	43	59964	22.843	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	42018	23.722	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	41913m	24.667	ug/l	
77) Bromobenzene	11.26	156	33205	24.413	ug/l	99
78) n-propylbenzene	11.36	91	146814	25.815	ug/l	99
79) 2-Chlorotoluene	11.42	91	86176	25.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	108555	26.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	12872	24.144	ug/l	98
82) 4-Chlorotoluene	11.51	91	103459	25.538	ug/l	100
83) tert-Butylbenzene	11.77	119	103769	25.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	111105	24.489	ug/l	99
85) sec-Butylbenzene	11.94	105	127325	25.098	ug/l	100
86) p-Isopropyltoluene	12.07	119	116030	25.820	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62052	23.772	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	63268	23.676	ug/l	99
89) n-Butylbenzene	12.39	91	102241	24.549	ug/l	100
90) Hexachloroethane	12.60	117	18629	24.830	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	61580	23.549	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10561	24.434	ug/l	99

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ClientSampleId :
VX1108WBS01

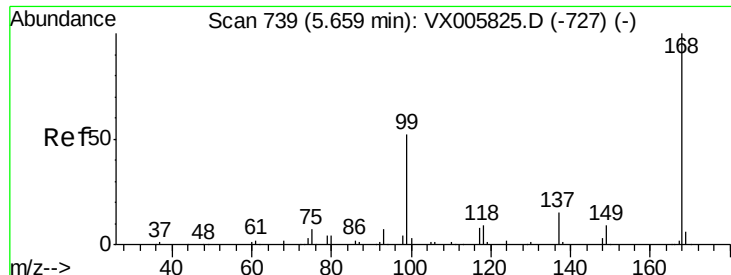
Manual Integrations
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11/9/2018 11:37:05 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47045	25.556	ug/l	99
94) Hexachlorobutadiene	13.79	225	23664	24.472	ug/l	99
95) Naphthalene	13.83	128	136008	23.299	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47045	25.085	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion:168 Resp: 130223

Ion Ratio Lower Upper

168 100

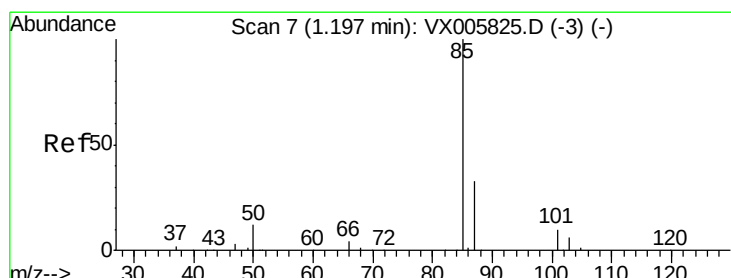
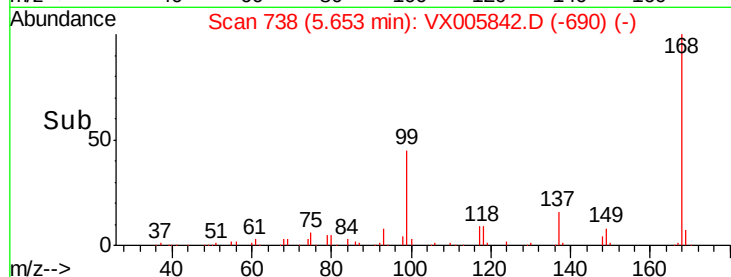
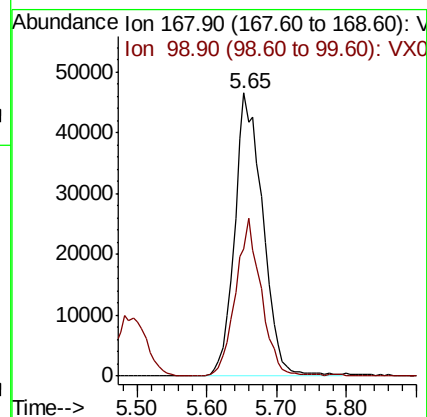
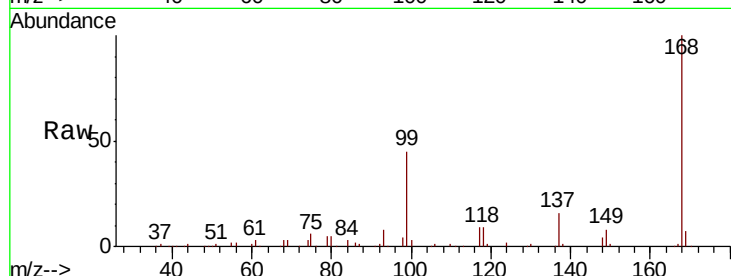
99 45.0 40.7 61.1

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#2

Dichlorodifluoromethane

Concen: 24.617 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005842.D

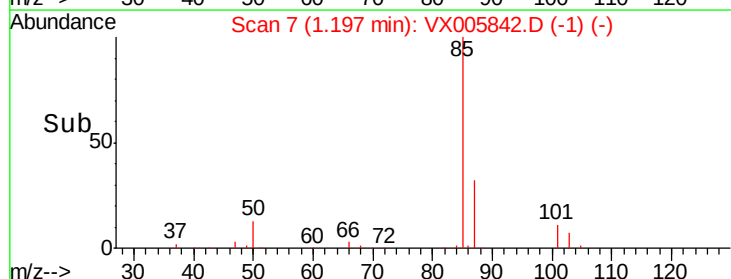
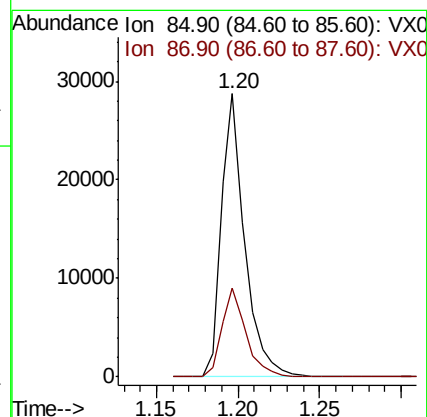
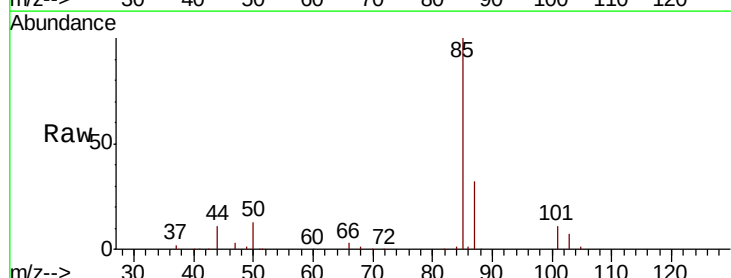
Acq: 08 Nov 2018 13:16

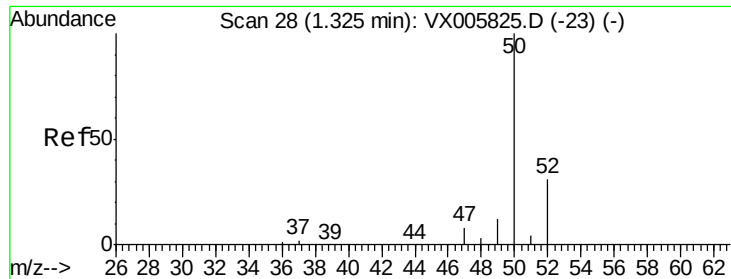
Tgt Ion: 85 Resp: 28903

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9





#3

Chloromethane

Concen: 23.232 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tot Ion: 50 Resp: 35797

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

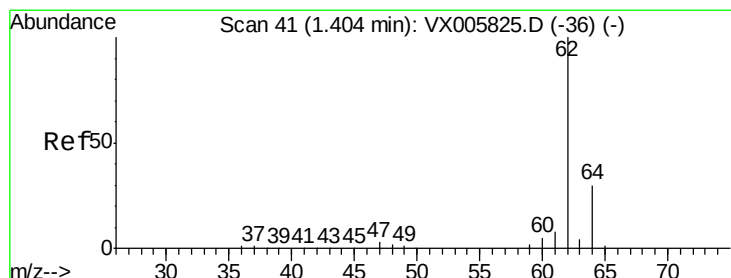
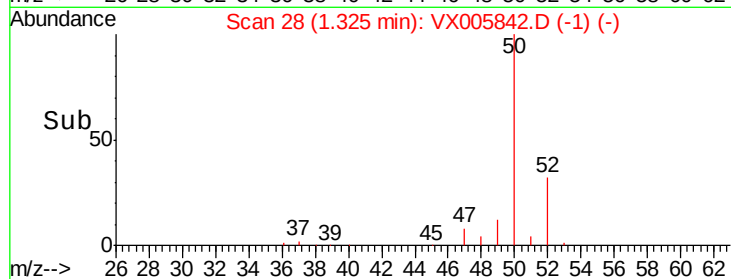
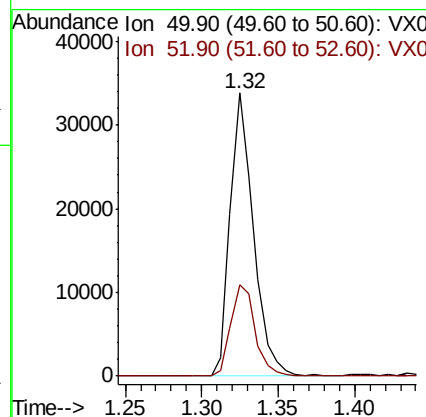
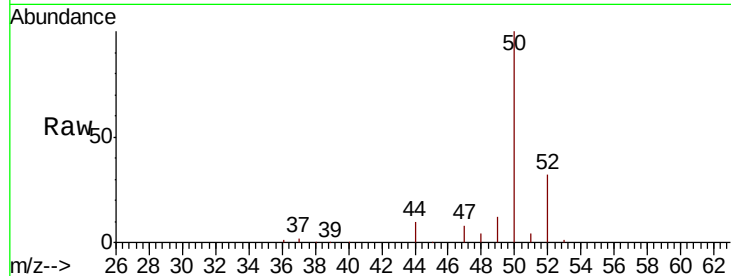
VX1108WBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.298 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005842.D

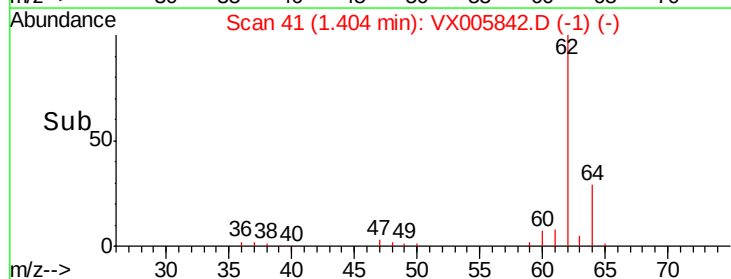
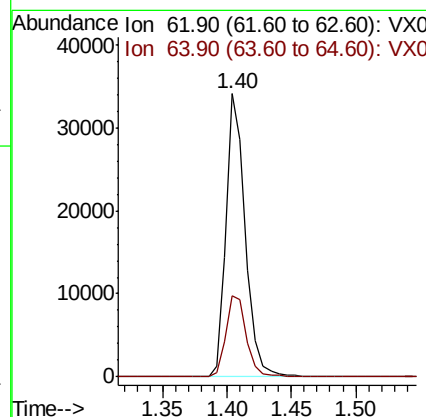
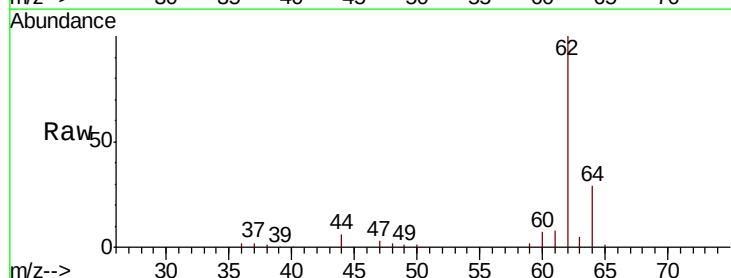
Acq: 08 Nov 2018 13:16

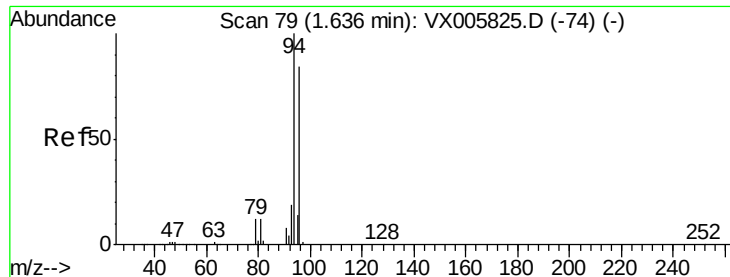
Tgt Ion: 62 Resp: 36039

Ion Ratio Lower Upper

62 100

64 28.8 25.3 37.9





#5

Bromomethane

Concen: 20.630 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 94 Resp: 19529

Ion Ratio Lower Upper

94 100

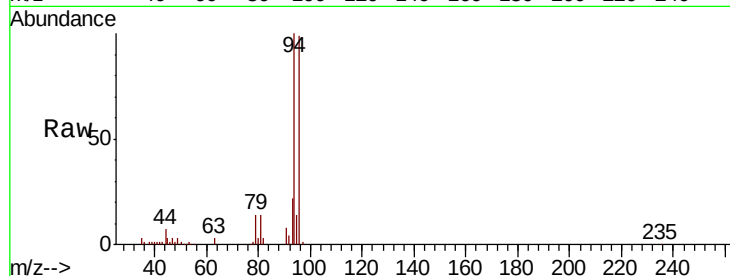
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Manual Integrations

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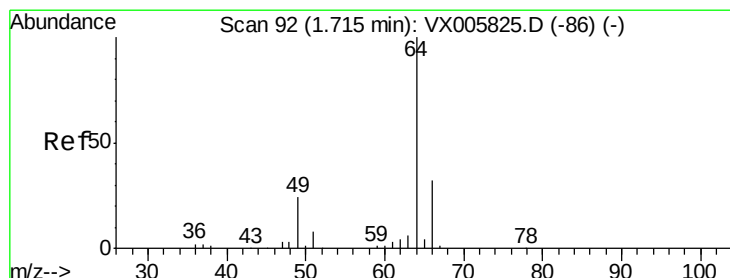
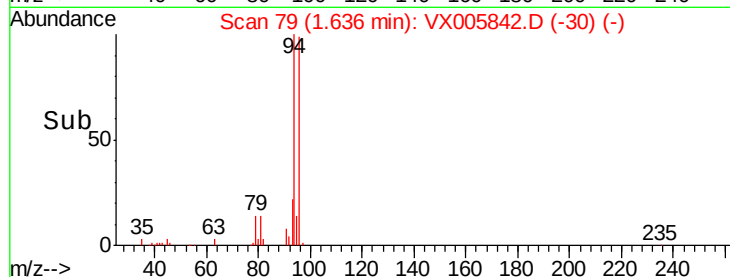
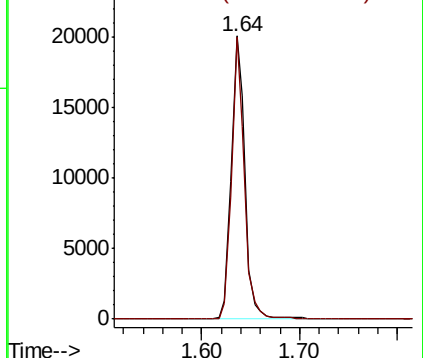
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.010 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005842.D

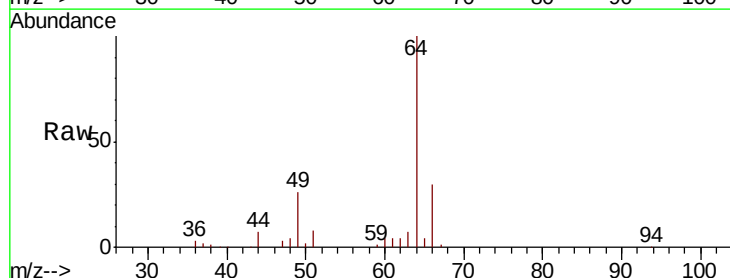
Acq: 08 Nov 2018 13:16

Tgt Ion: 64 Resp: 21238

Ion Ratio Lower Upper

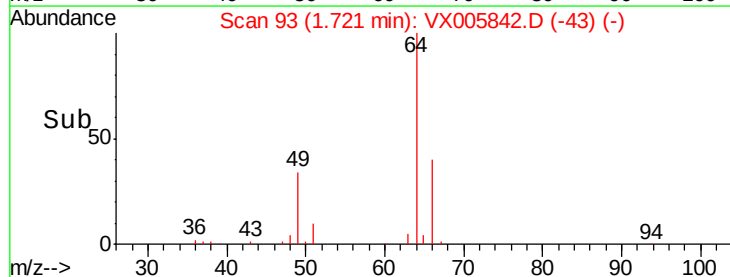
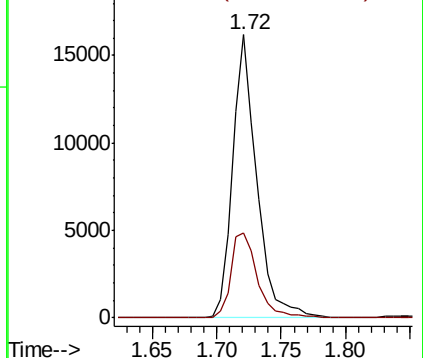
64 100

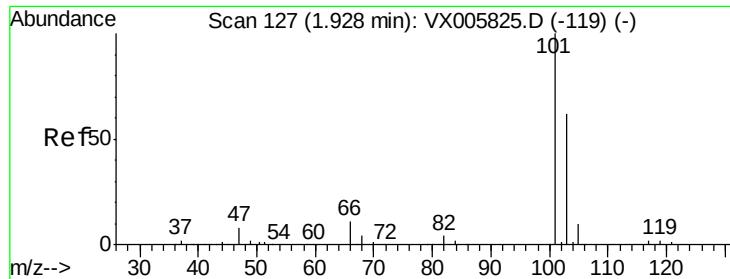
66 29.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

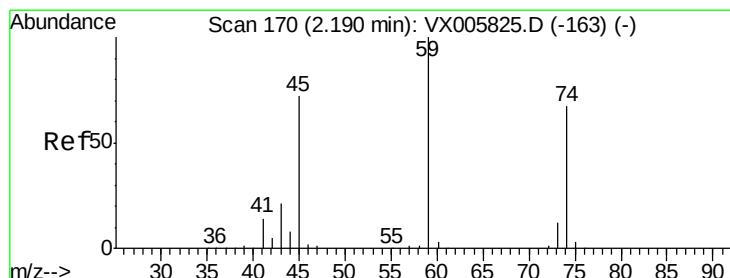
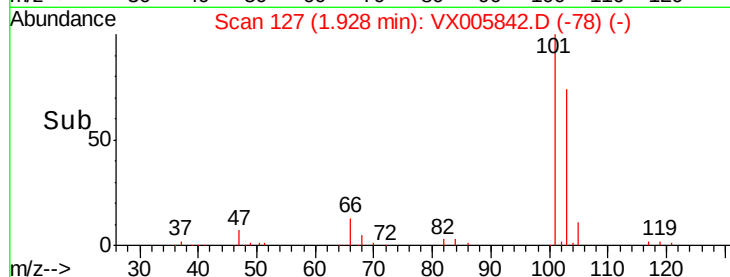
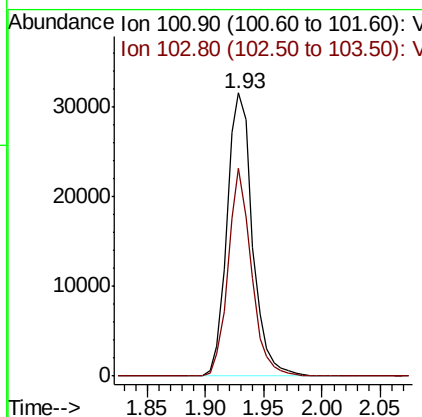
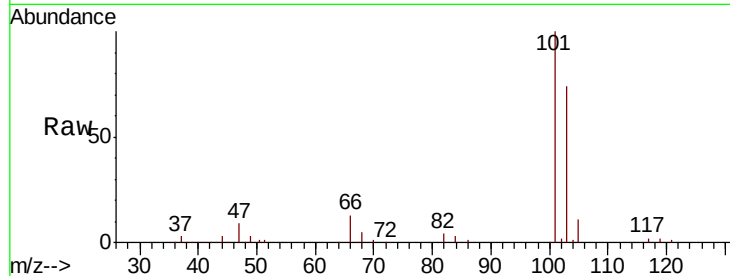
Trichlorofluoromethane
Concen: 23.453 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
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ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	73.6	50.0	75.0

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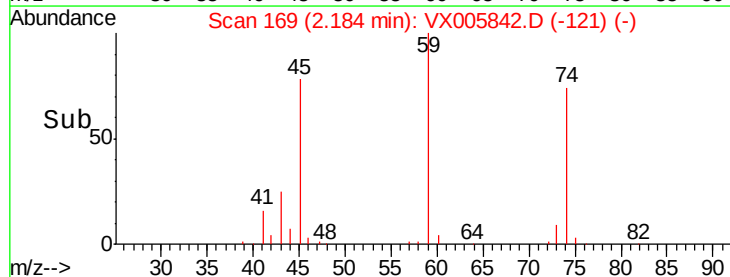
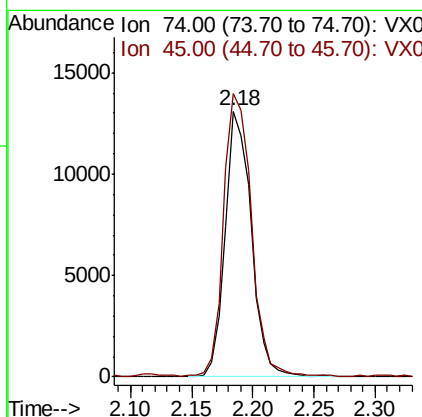
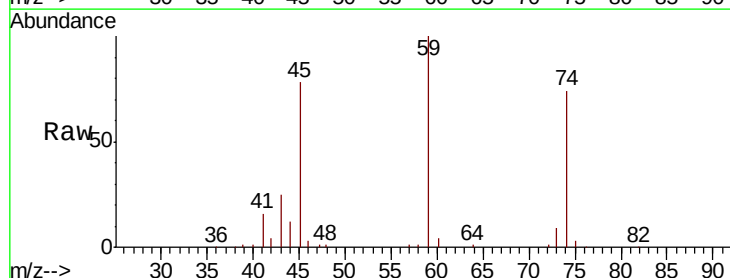
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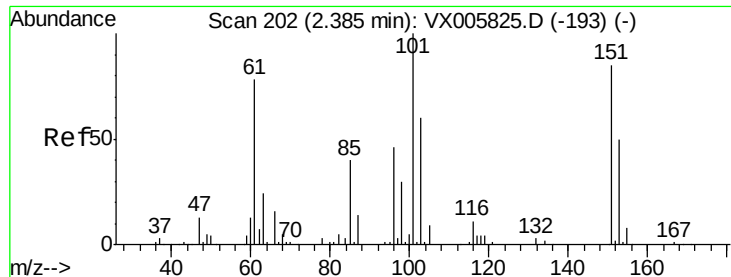


#8

Diethyl Ether
Concen: 23.983 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.6	54.1	162.3





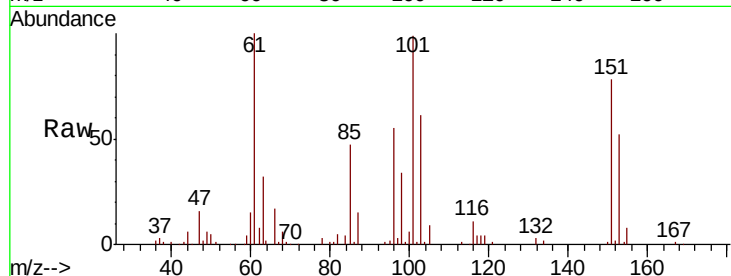
#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.314 ug/l
RT: 2.39 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28713		
85	44.3	35.0	52.4	
151	81.9	66.2	99.2	

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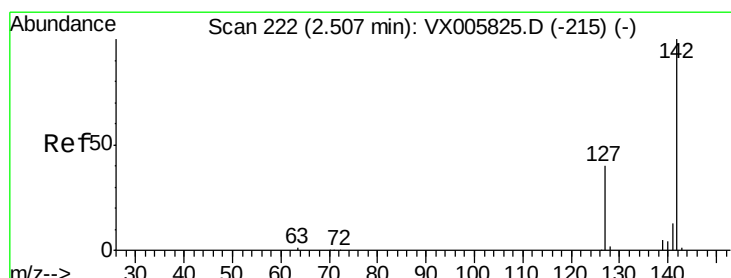
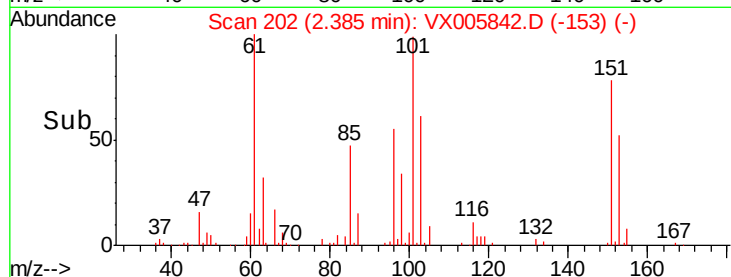
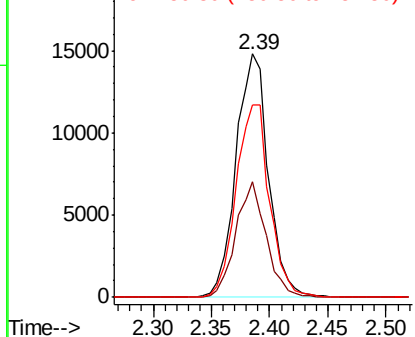


Abundance

Ion 100.90 (100.60 to 101.60): V

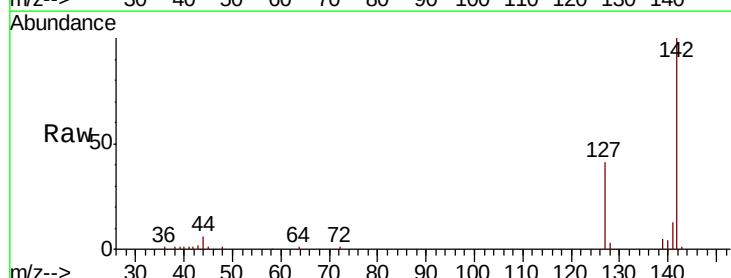
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 15.547 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22251		
127	44.4	36.0	54.0	
141	14.8	11.7	17.5	

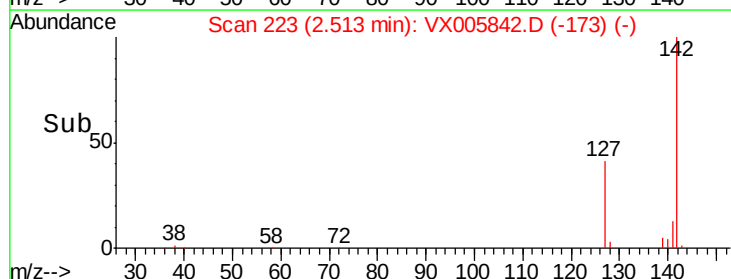
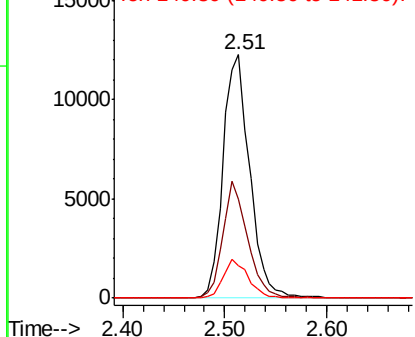


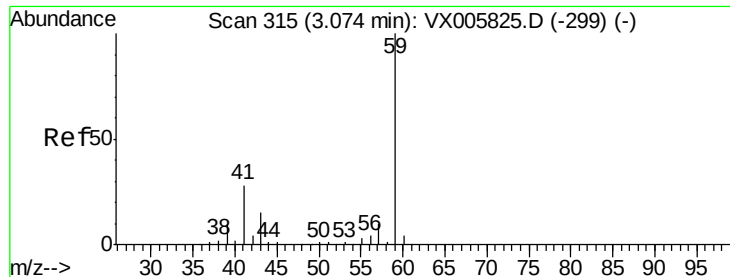
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

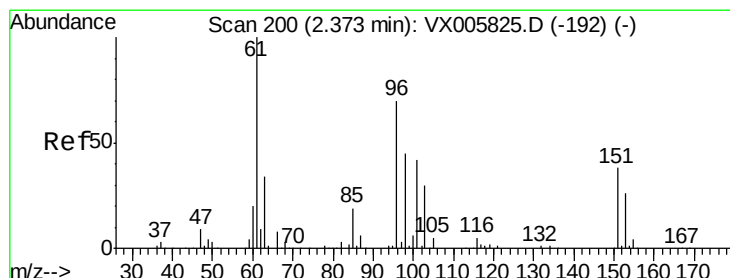
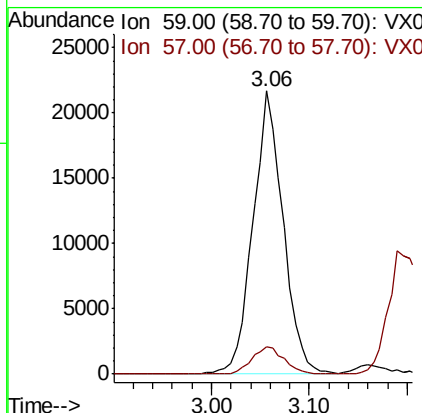
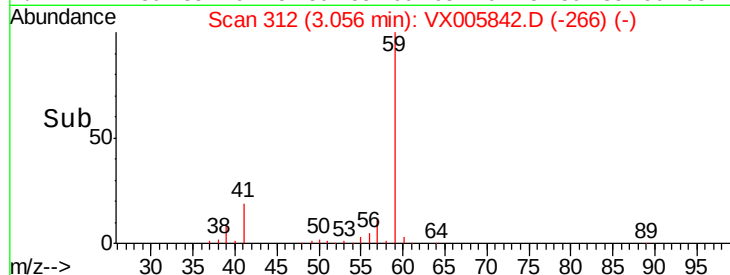
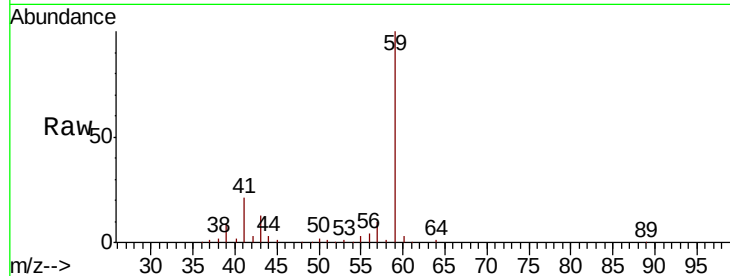
Tert butyl alcohol
Concen: 108.762 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
APPROVED

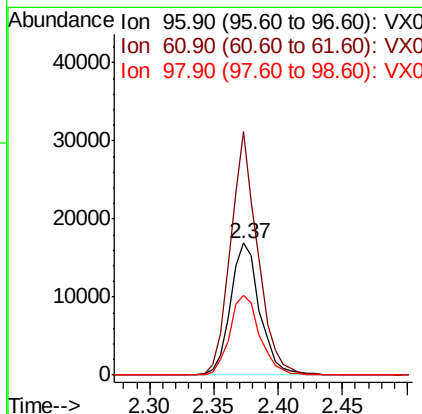
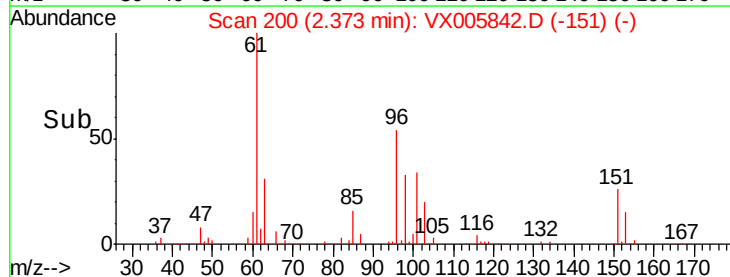
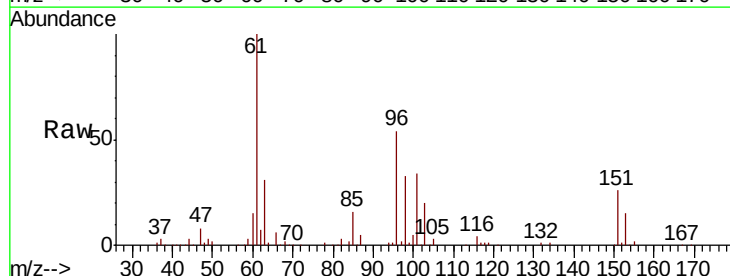
MMDadoda
11/9/2018 11:37:05 AM

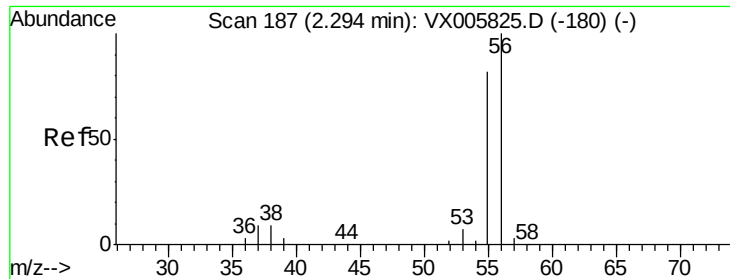


#12

1,1-Dichloroethene
Concen: 23.474 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.7	131.8	197.8
98	60.4	53.4	80.2





#13

Acrolein

Concen: 112.570 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 56 Resp: 20686

Ion Ratio Lower Upper

56 100

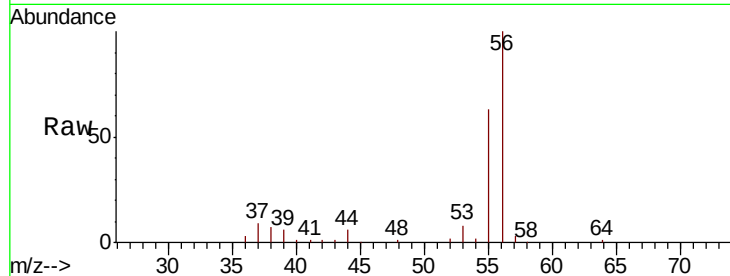
55 70.6 57.3 85.9

Manual Integrations

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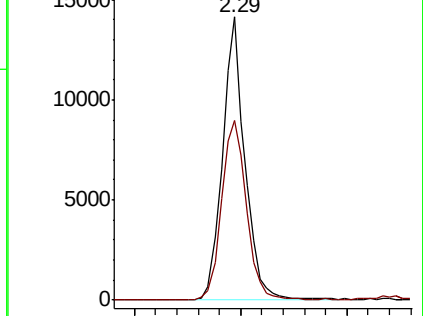
MMDadoda

11/9/2018 11:37:05 AM

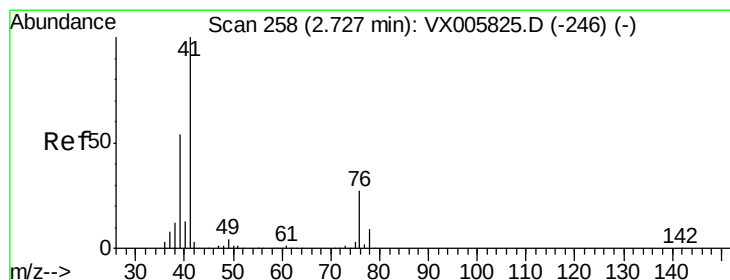
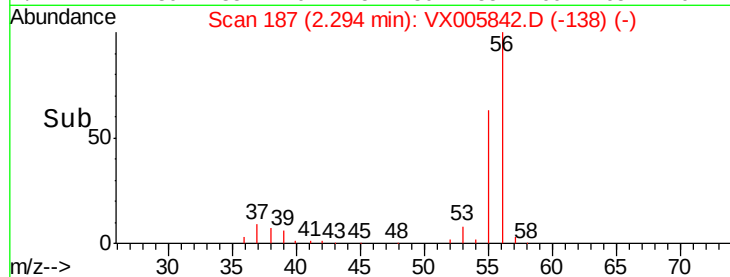


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.20 2.30 2.40



#14

Allyl chloride

Concen: 23.467 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

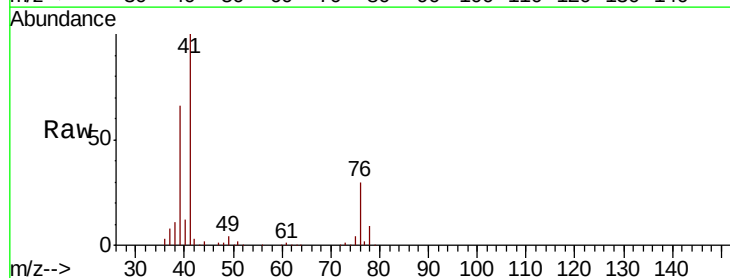
Tgt Ion: 41 Resp: 60327

Ion Ratio Lower Upper

41 100

39 60.7 48.2 72.4

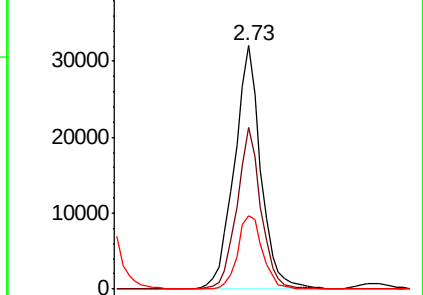
76 28.6 21.9 32.9



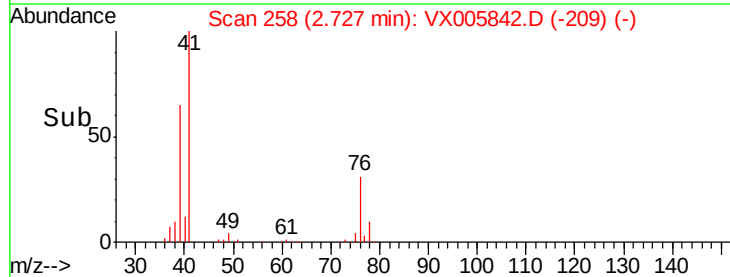
Abundance Ion 41.00 (40.70 to 41.70): VX0

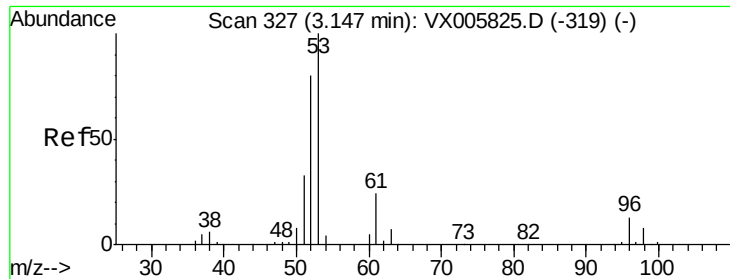
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 116.187 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

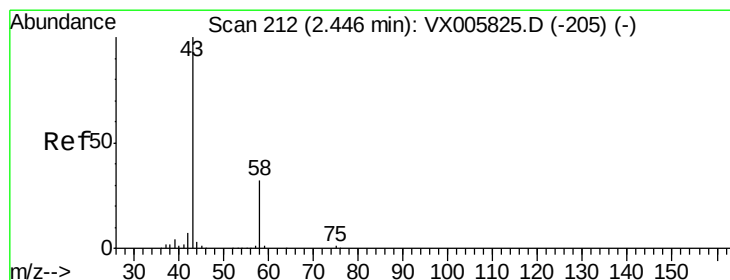
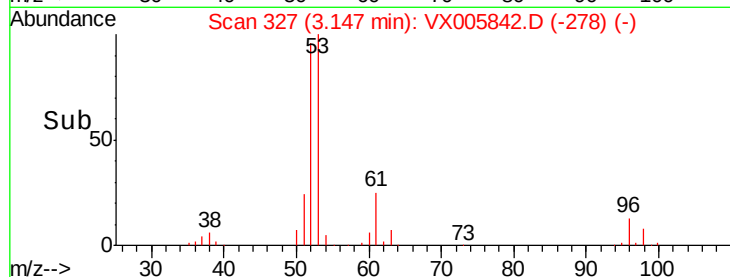
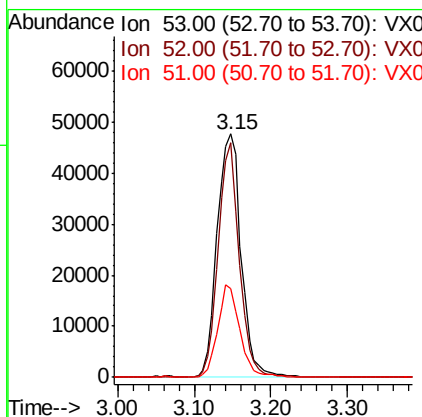
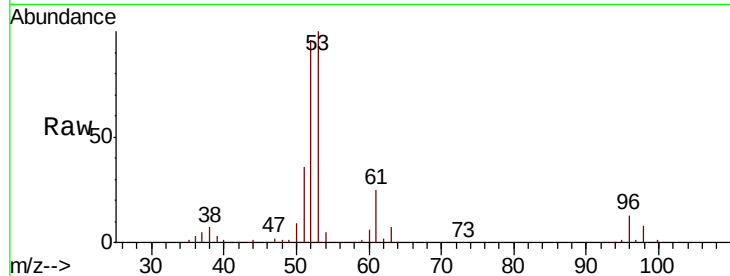
ClientSampleId :

VX1108WBS01

Tot Ion:	53	Resp:	103263
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 121.737 ug/l

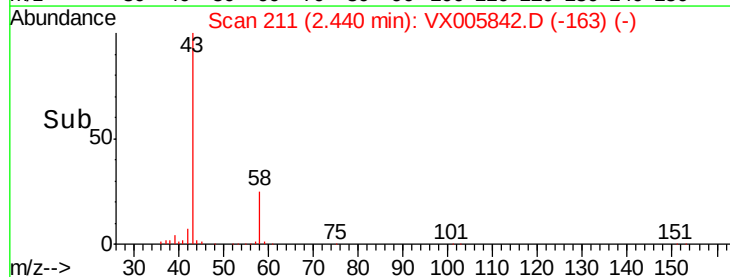
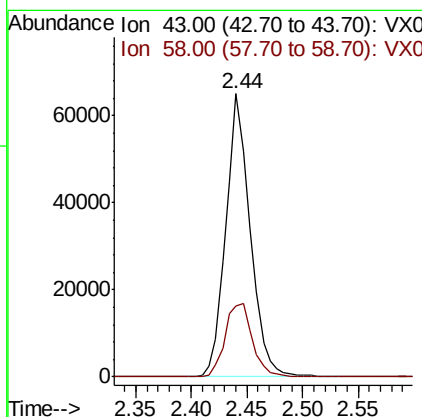
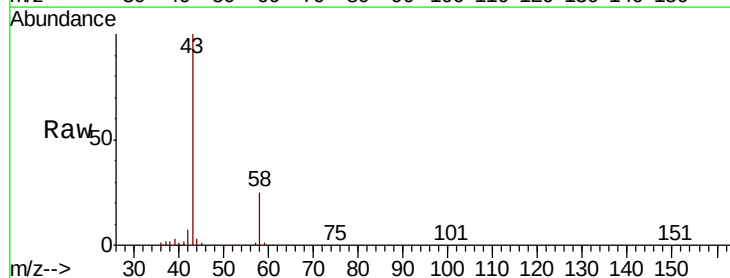
RT: 2.44 min Scan# 211

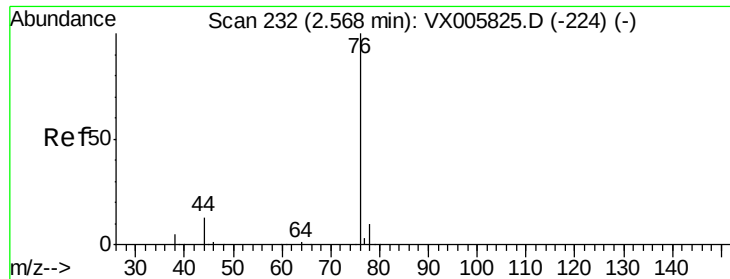
Delta R.T. -0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion:	43	Resp:	98128
Ion	Ratio	Lower	Upper
43	100		
58	25.2	23.8	35.6





#17

Carbon Disulfide

Concen: 23.786 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 76 Resp: 81664

Ion Ratio Lower Upper

76 100

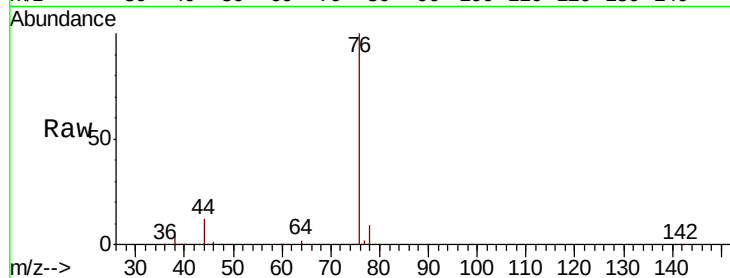
78 8.5 7.3 10.9

Manual Integrations

APPROVED

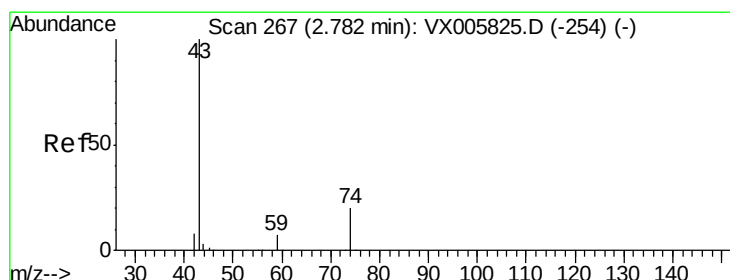
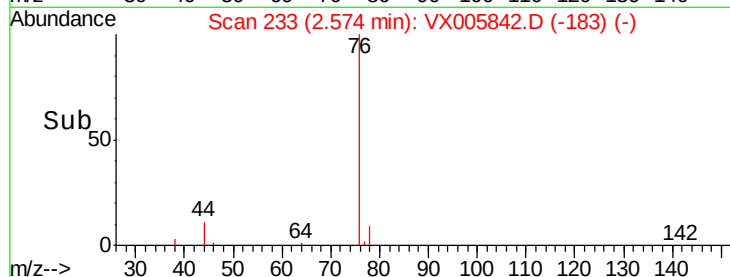
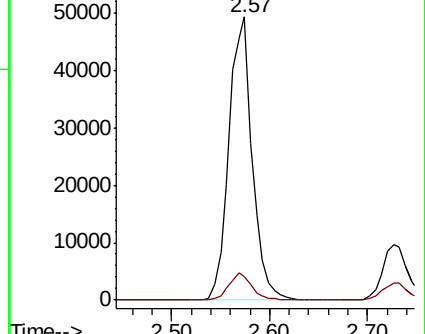
MMDadoda

11/9/2018 11:37:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.839 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005842.D

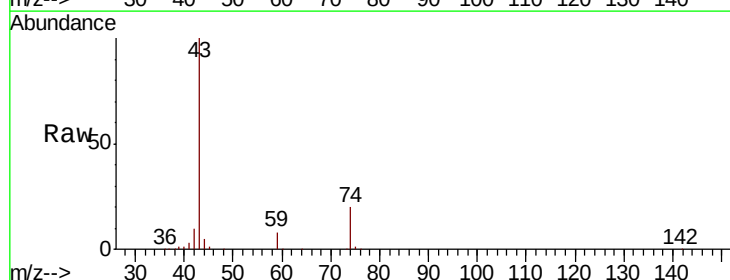
Acq: 08 Nov 2018 13:16

Tgt Ion: 43 Resp: 53173

Ion Ratio Lower Upper

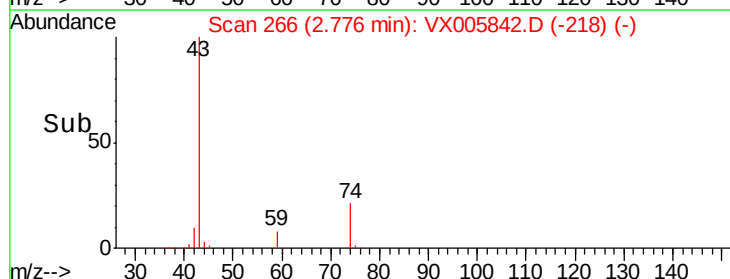
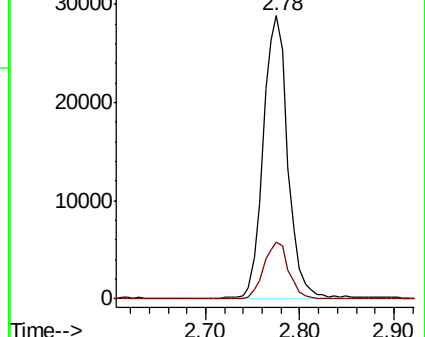
43 100

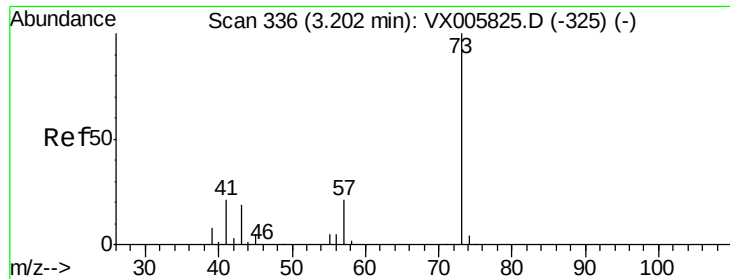
74 20.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





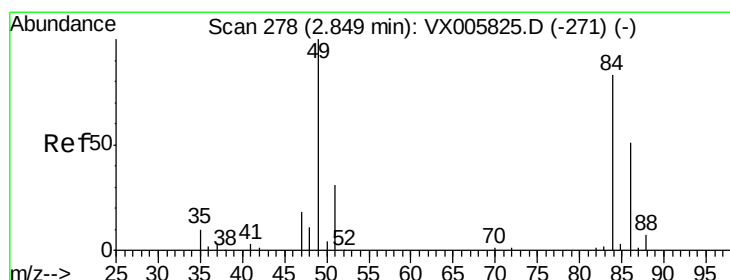
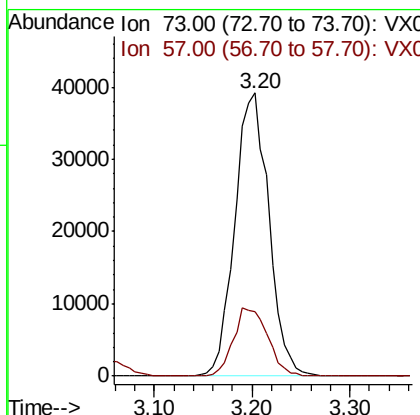
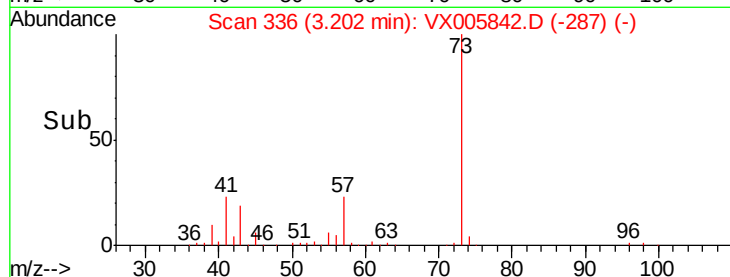
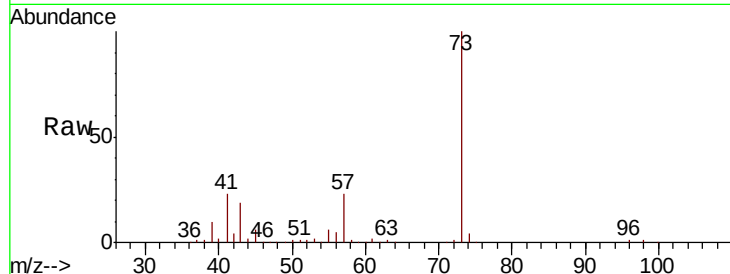
#19
Methyl tert-butyl Ether
Concen: 24.007 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion: 73 Resp: 94312
Ion Ratio Lower Upper
73 100
57 22.6 18.8 28.2

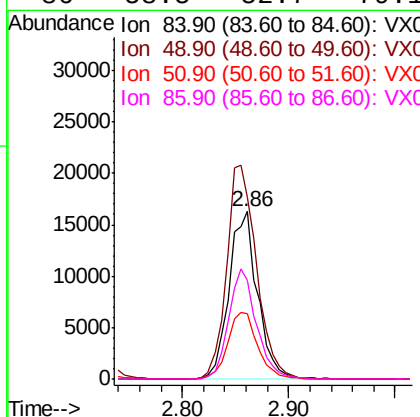
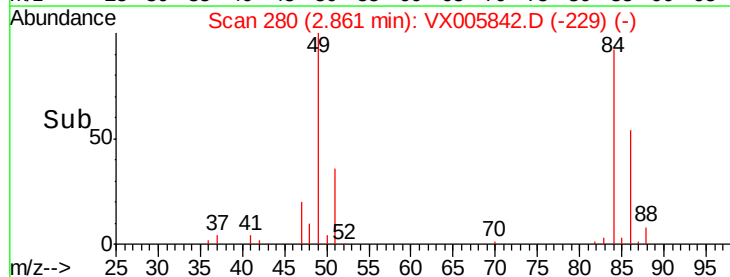
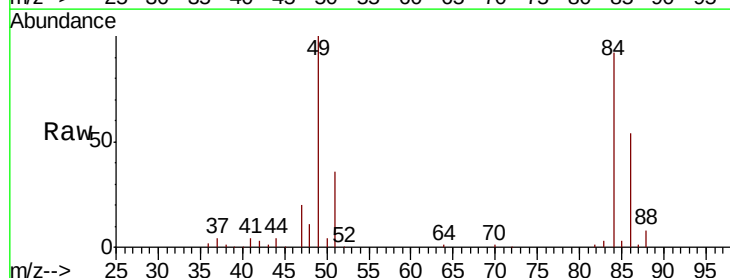
Manual Integrations
APPROVED

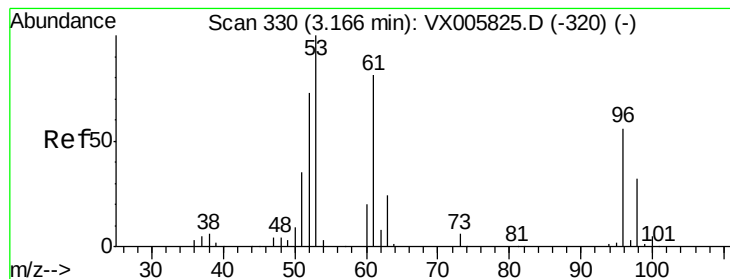
MMDadoda
11/9/2018 11:37:05 AM



#20
Methylene Chloride
Concen: 23.125 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion: 84 Resp: 30619
Ion Ratio Lower Upper
84 100
49 108.2 109.5 164.3#
51 38.9 33.3 49.9
86 58.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 24.356 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 96 Resp: 29569

Ion Ratio Lower Upper

96 100

61 117.5 115.6 173.4

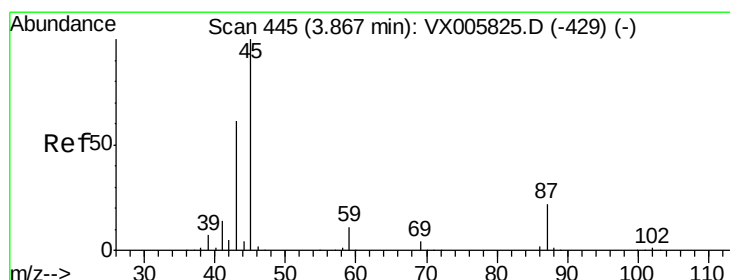
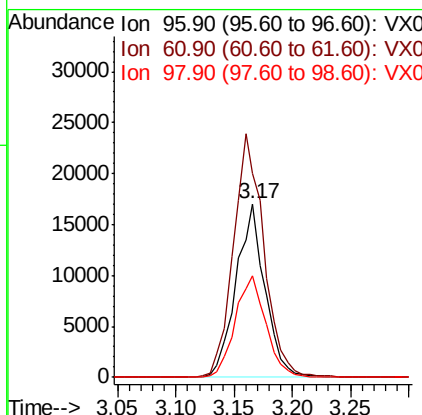
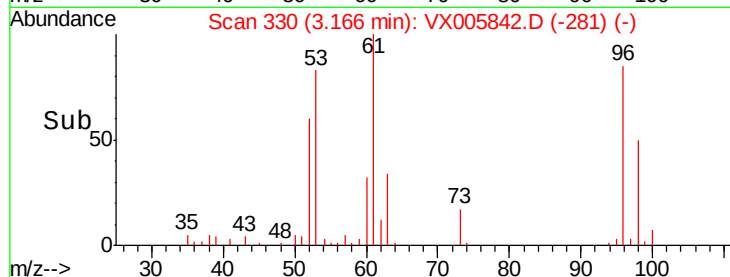
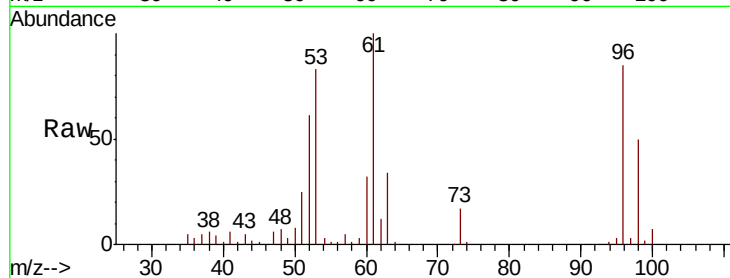
98 58.8 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 24.366 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion: 45 Resp: 109726

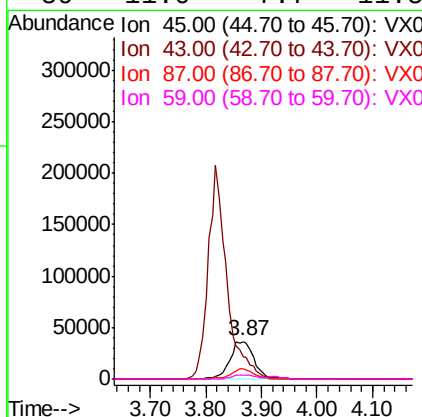
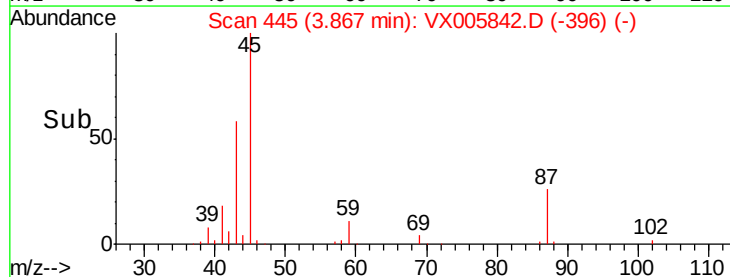
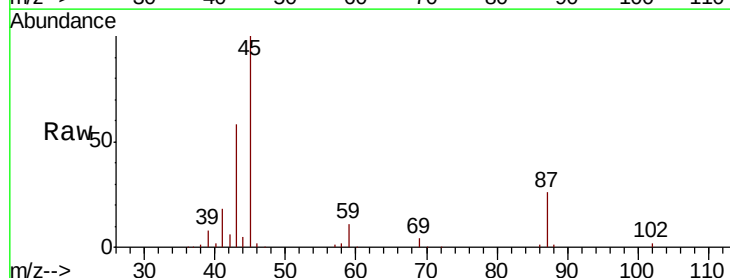
Ion Ratio Lower Upper

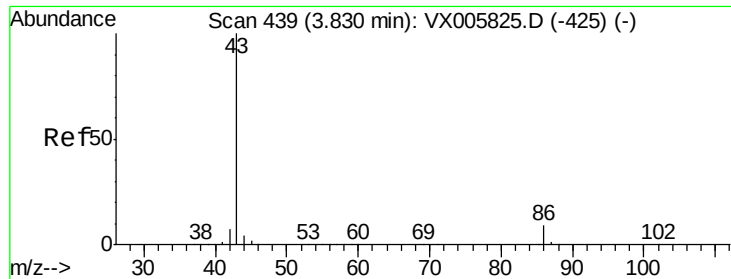
45 100

43 57.9 47.4 71.2

87 26.2 15.9 23.9#

59 11.0 7.7 11.5





#23

Vinyl Acetate

Concen: 127.436 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 43 Resp: 492056

Ion Ratio Lower Upper

43 100

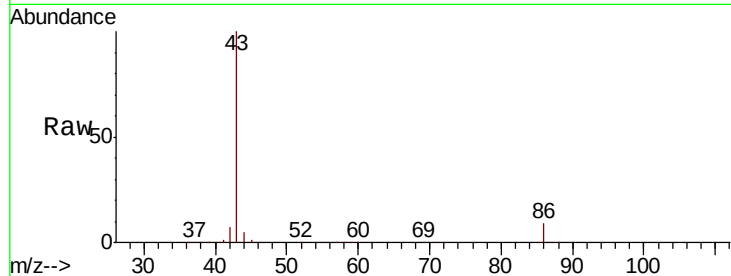
86 8.8 7.4 11.2

Manual Integrations

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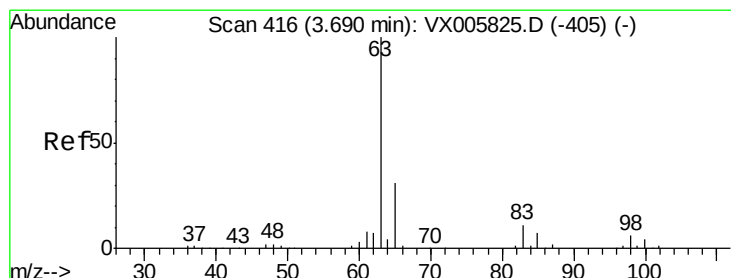
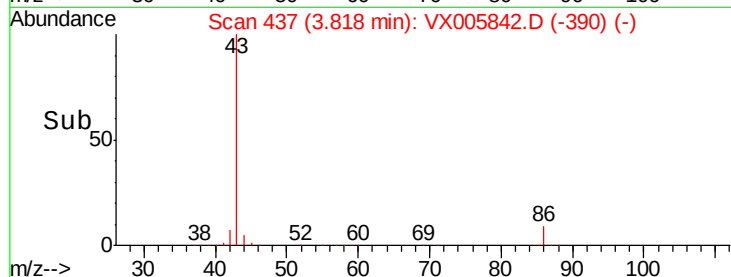
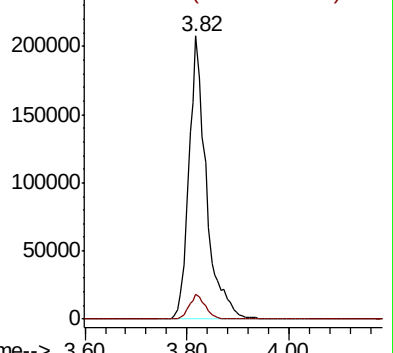
MMDadoda

11/9/2018 11:37:05 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: 24.269 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

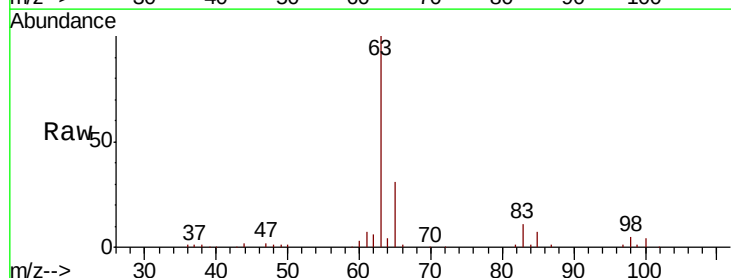
Tgt Ion: 63 Resp: 58309

Ion Ratio Lower Upper

63 100

98 5.3 3.2 9.6

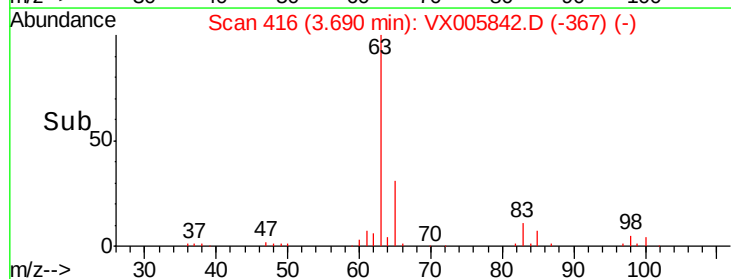
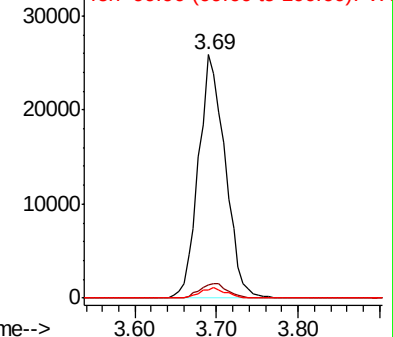
100 3.6 2.1 6.2

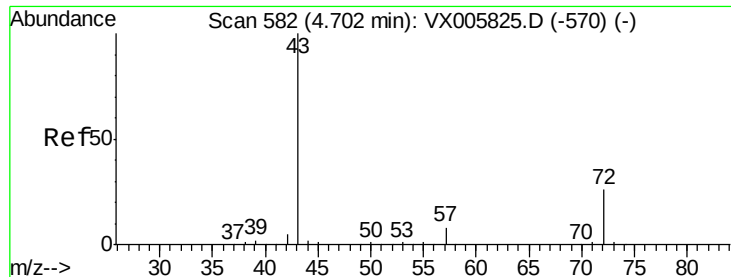


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 115.267 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 43 Resp: 146074

Ion Ratio Lower Upper

43 100

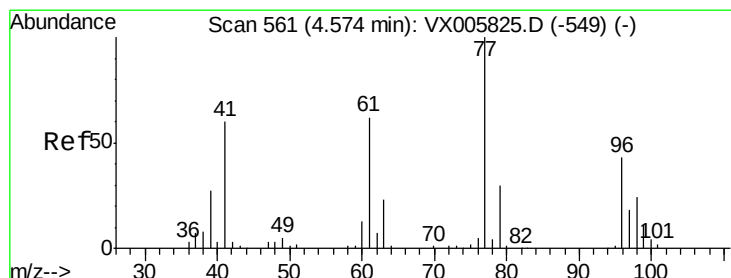
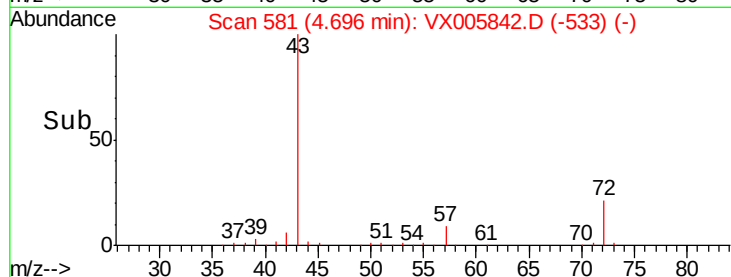
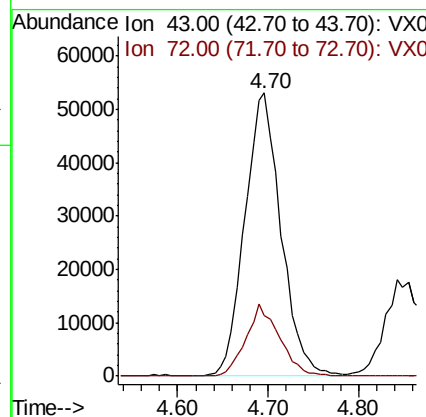
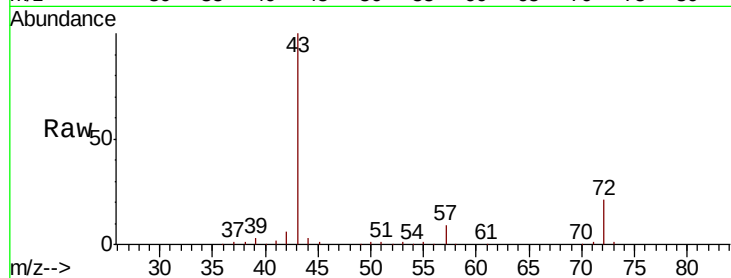
72 21.4 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 25.814 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX005842.D

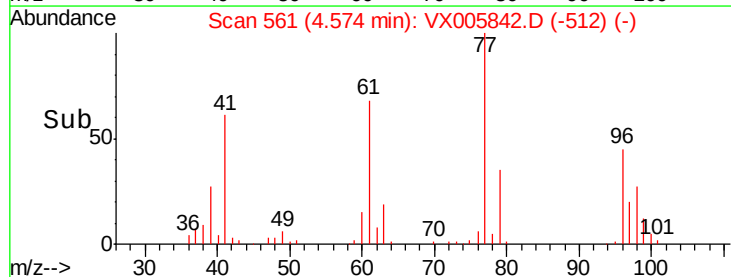
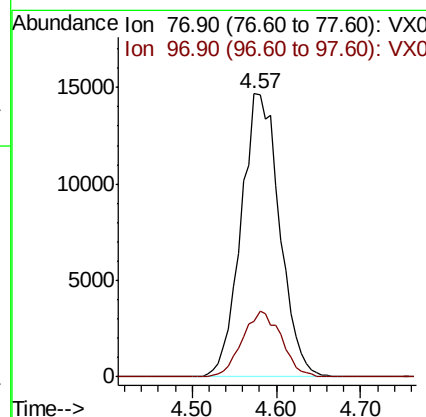
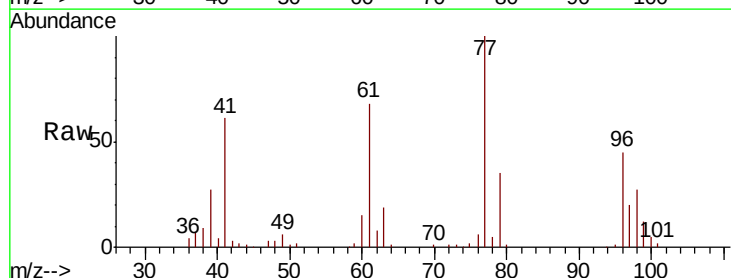
Acq: 08 Nov 2018 13:16

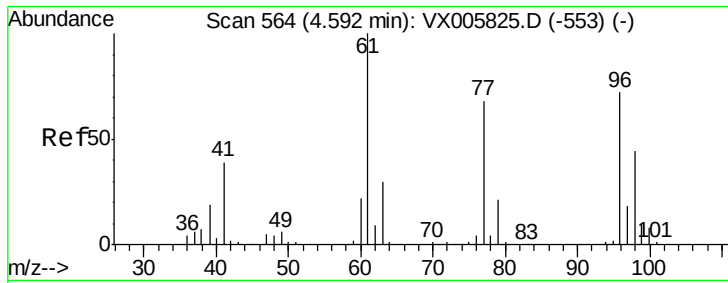
Tgt Ion: 77 Resp: 45495

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.5





#27

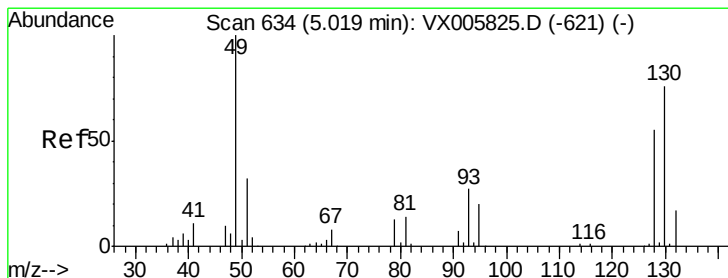
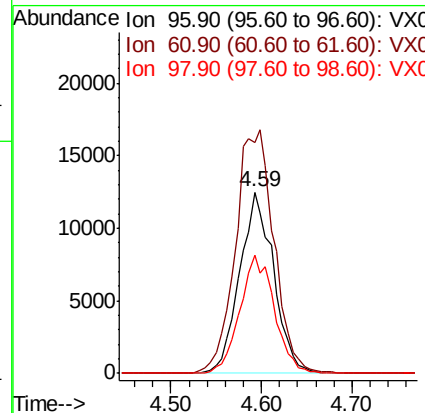
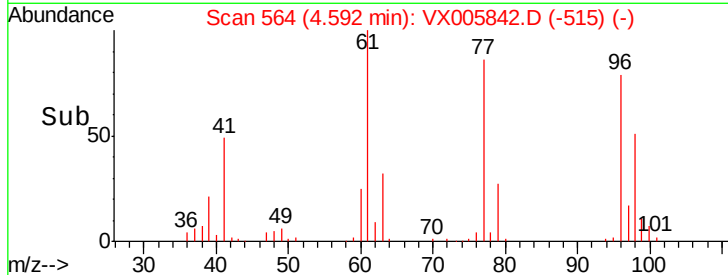
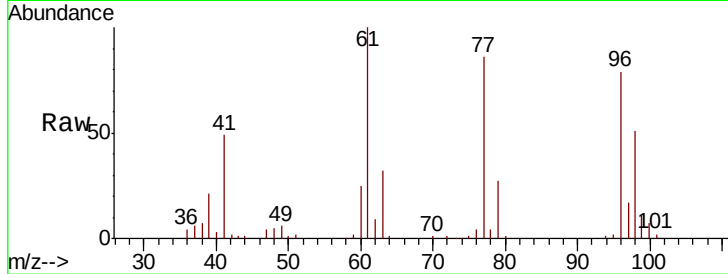
cis-1,2-Dichloroethene
Concen: 24.153 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32378		
61	152.3		0.0	304.6
98	65.9		0.0	127.4

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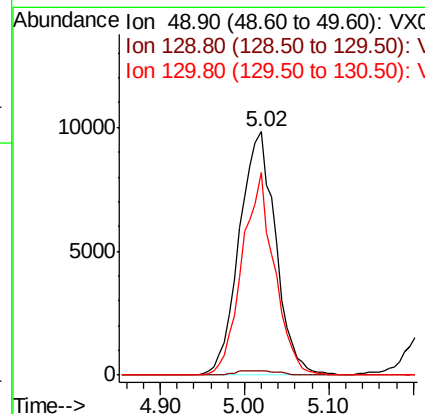
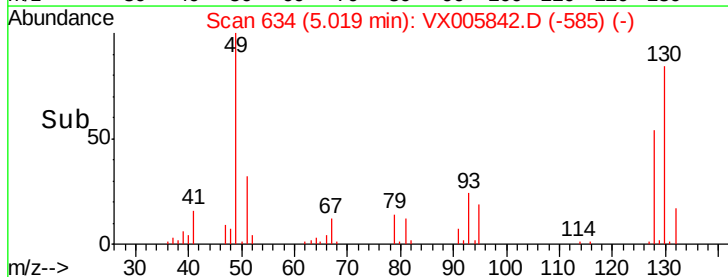
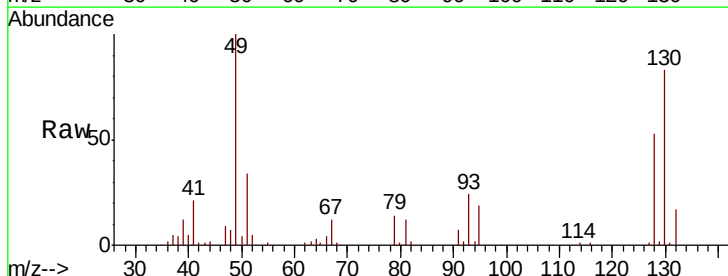
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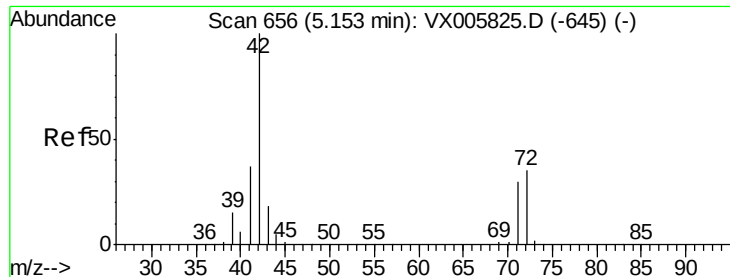


#28

Bromochloromethane
Concen: 26.634 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28599		
129	2.0		0.0	4.0
130	74.2		58.9	88.3





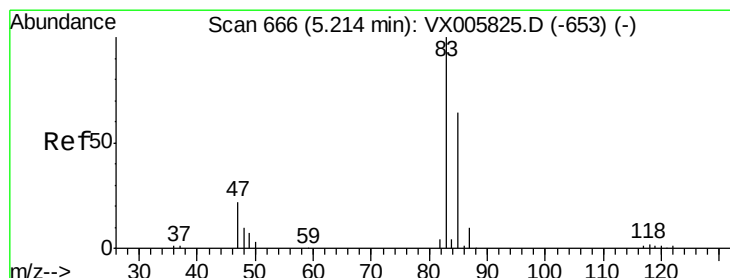
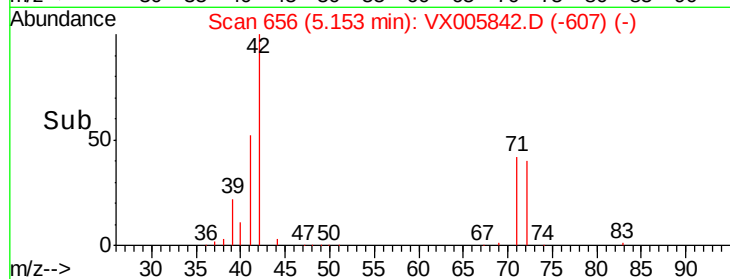
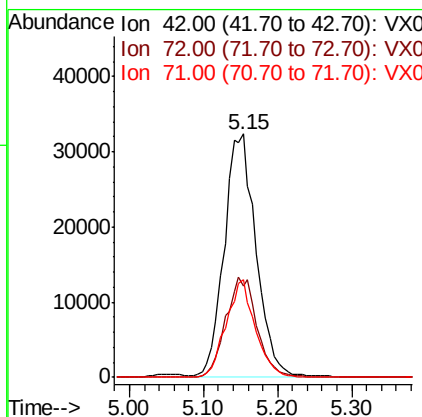
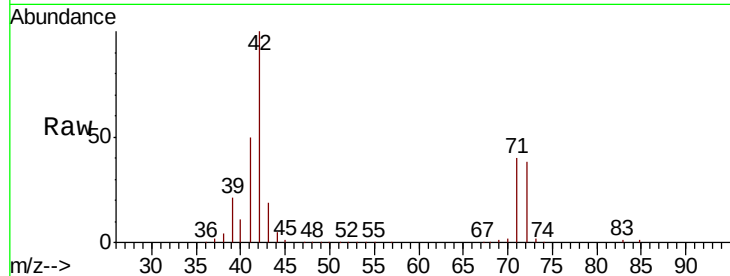
#29
Tetrahydrofuran
Concen: 118.332 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	37.0	29.8	44.8

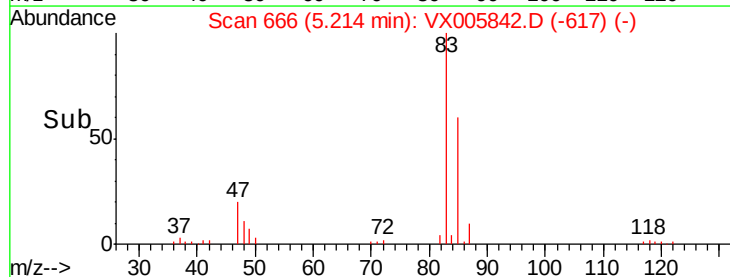
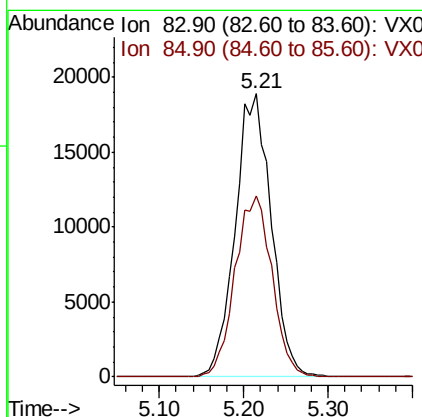
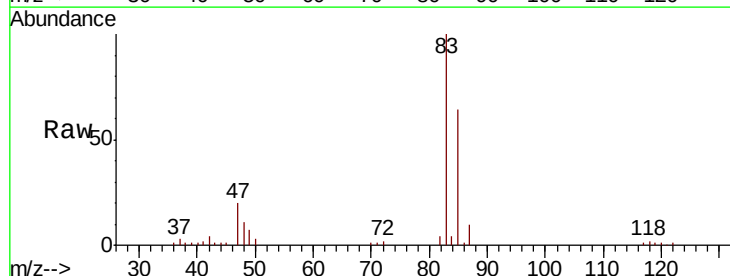
Manual Integrations
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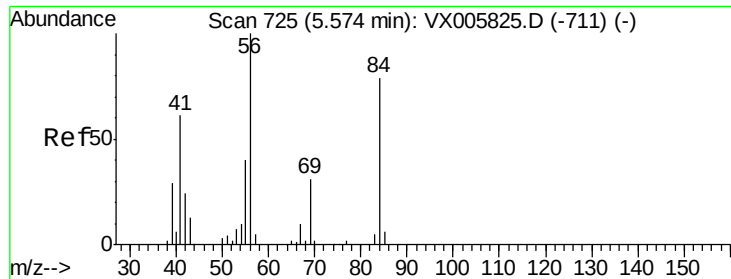
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#30
Chloroform
Concen: 23.520 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





#31

Cyclohexane

Concen: 23.852 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

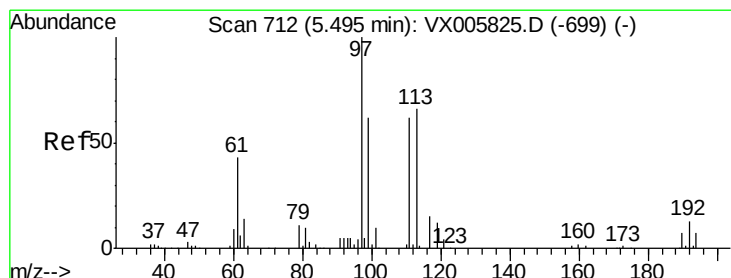
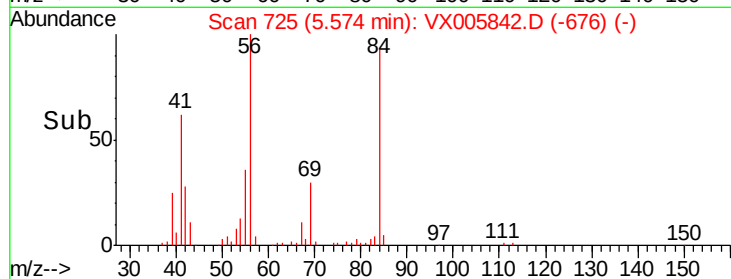
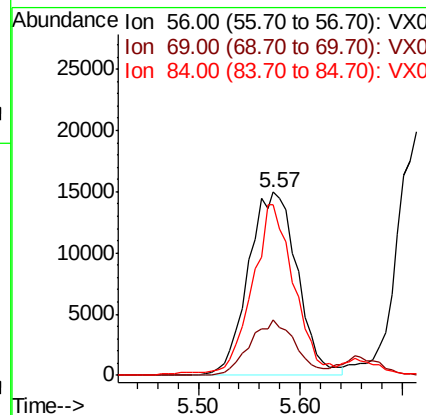
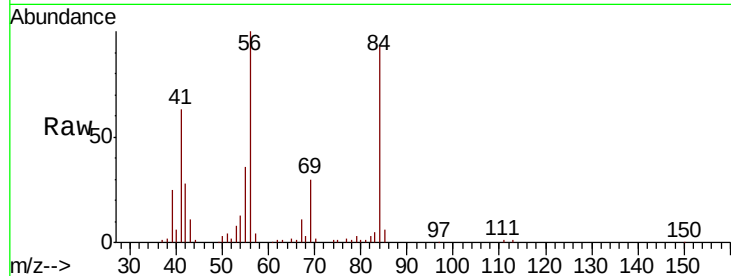
ClientSampleId :

VX1108WBS01

Tot Ion:	56	Resp:	49745
Ion Ratio	Lower	Upper	
56	100		
69	30.2	22.6	34.0
84	91.1	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.029 ug/l

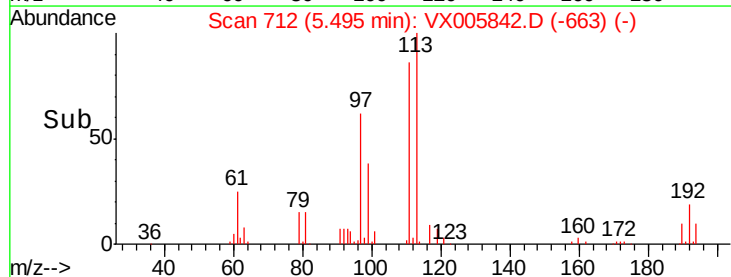
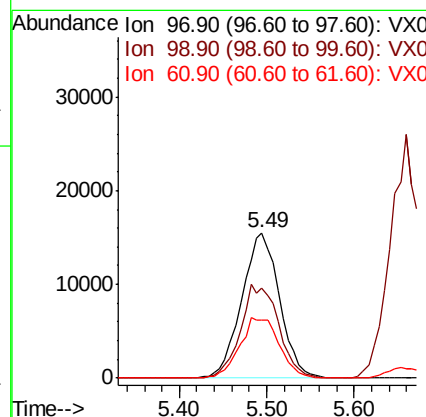
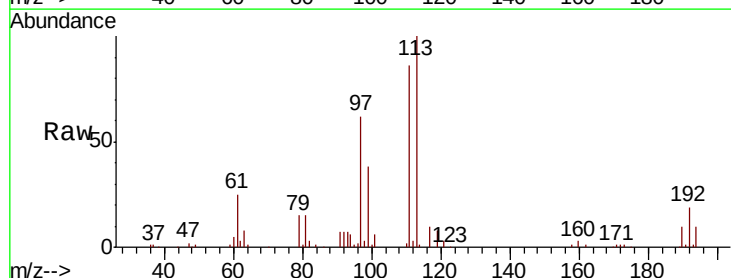
RT: 5.49 min Scan# 712

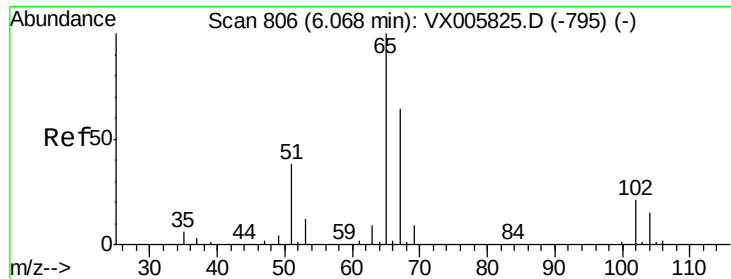
Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion:	97	Resp:	46458
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.3	78.5
61	43.8	35.2	52.8





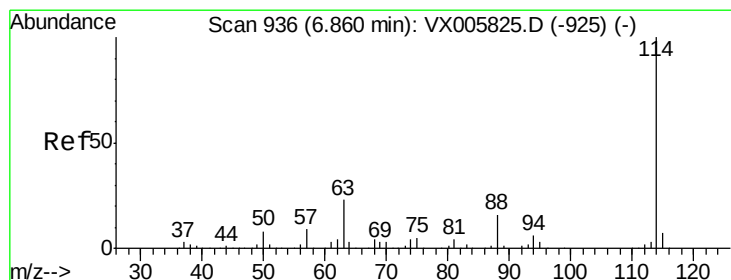
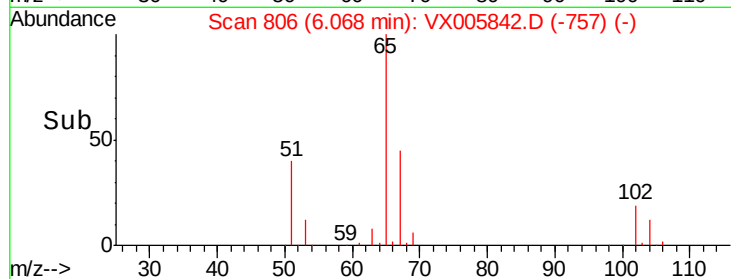
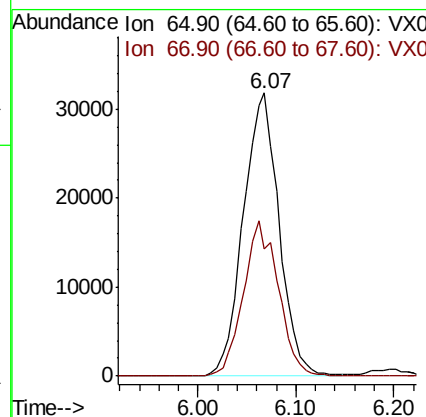
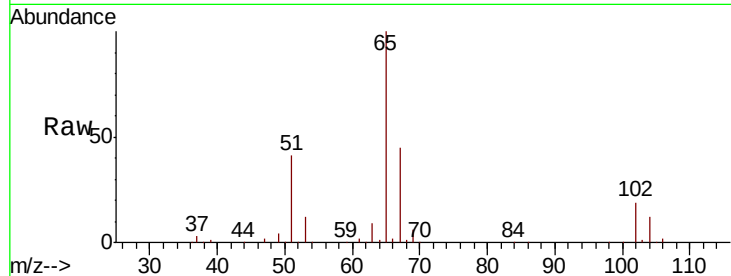
#33
 1,2-Dichloroethane-d4
 Concen: 53.949 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampled :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.0

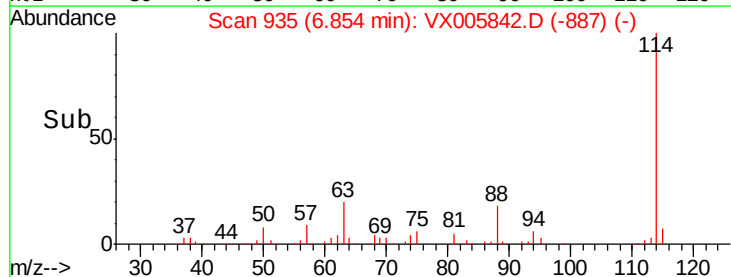
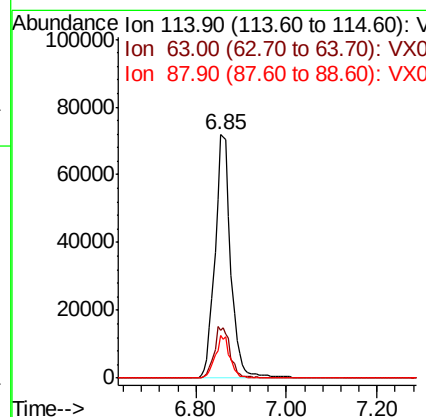
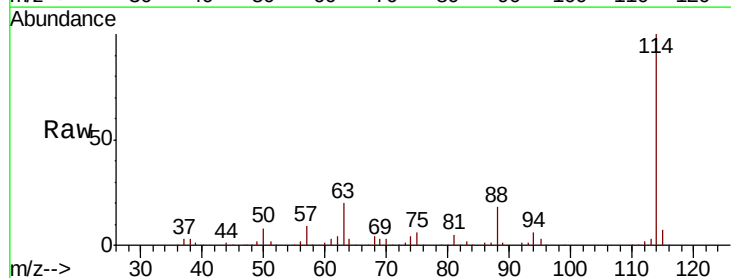
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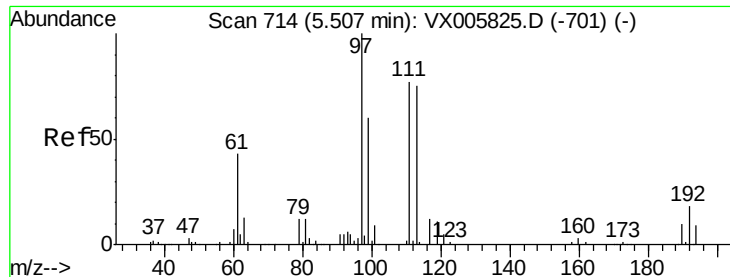
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.8
88	17.7	0.0	31.2





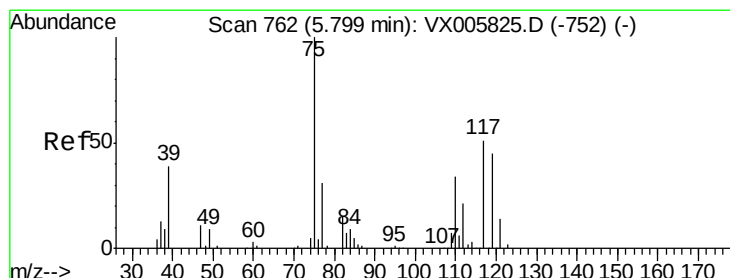
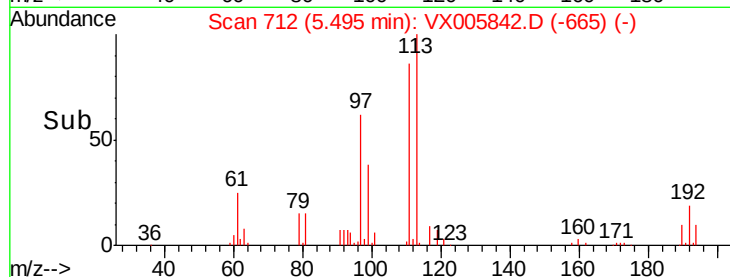
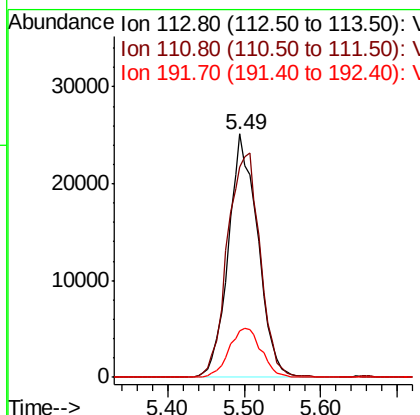
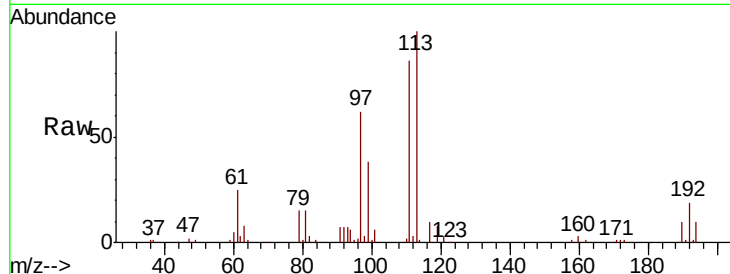
#35
 Dibromofluoromethane
 Concen: 54.857 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66724		
111	102.5	82.3	123.5	
192	22.1	17.9	26.9	

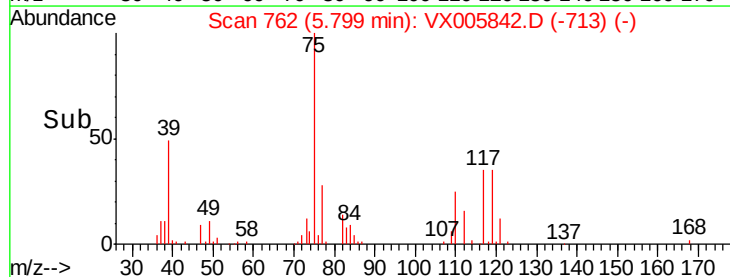
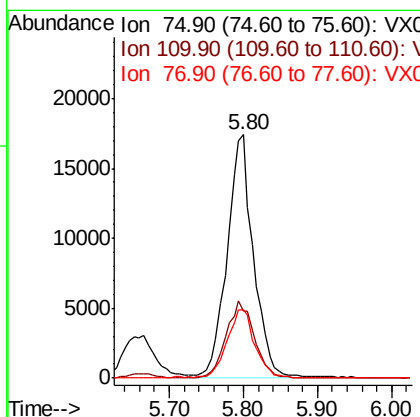
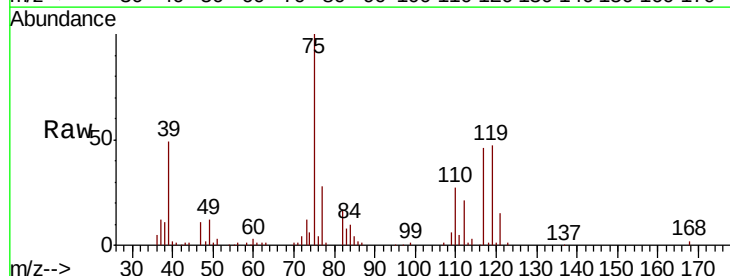
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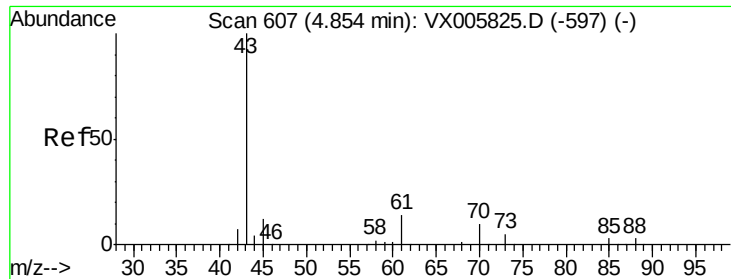
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#36
 1,1-Dichloropropene
 Concen: 24.729 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42633		
110	34.0	17.4	52.2	
77	30.1	25.8	38.6	





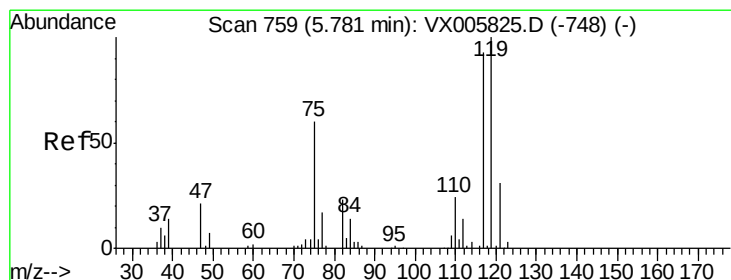
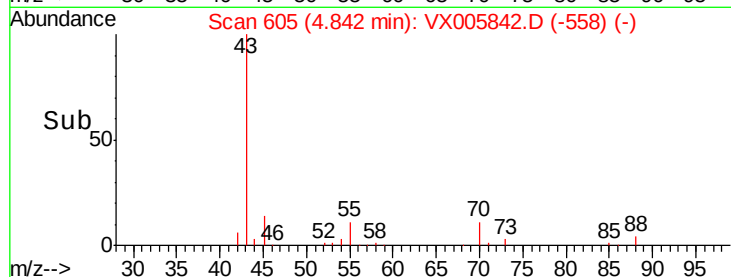
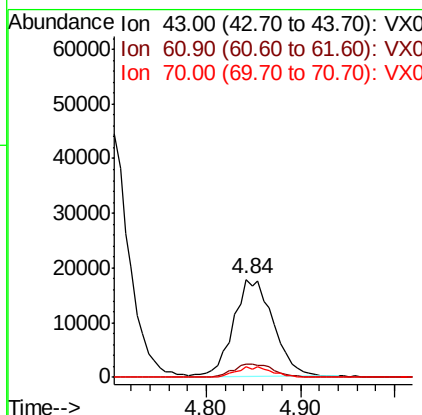
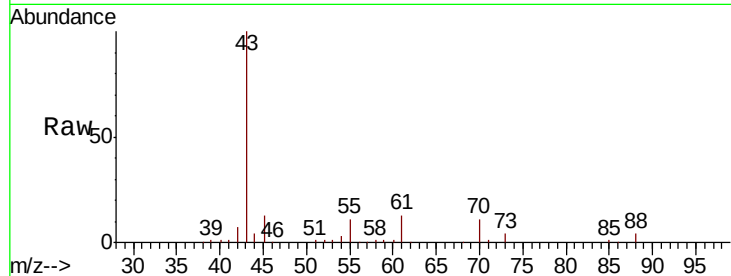
#37
Ethyl Acetate
Concen: 23.140 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.8	16.2
70	10.1	7.8	11.8

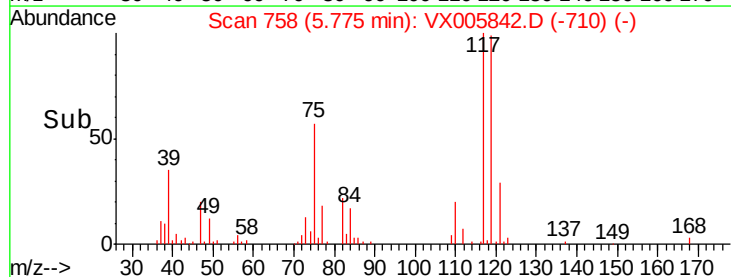
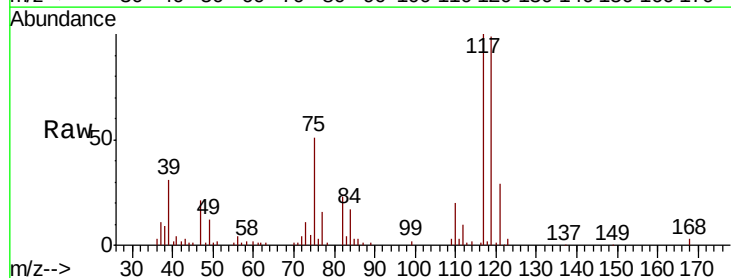
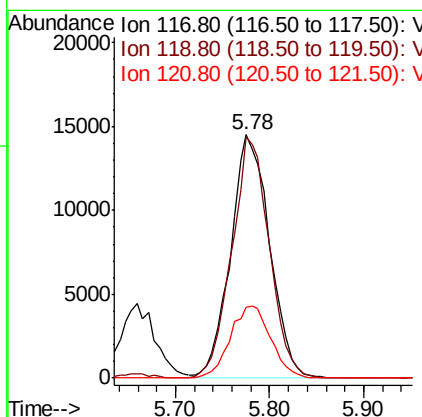
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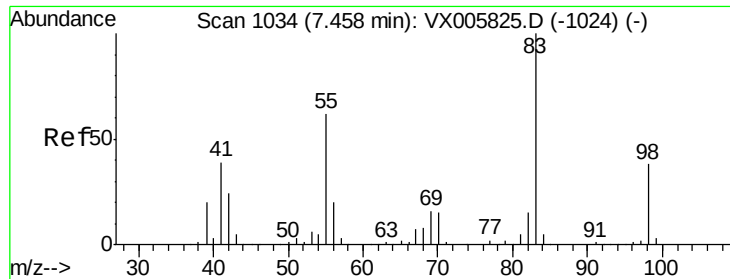
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#38
Carbon Tetrachloride
Concen: 24.233 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.1	117.1
121	28.9	24.6	36.8





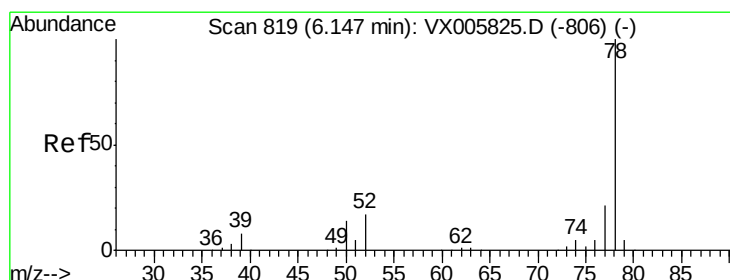
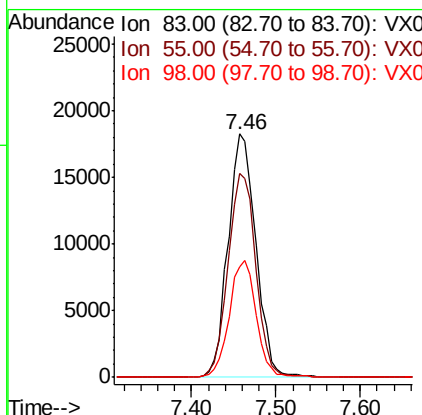
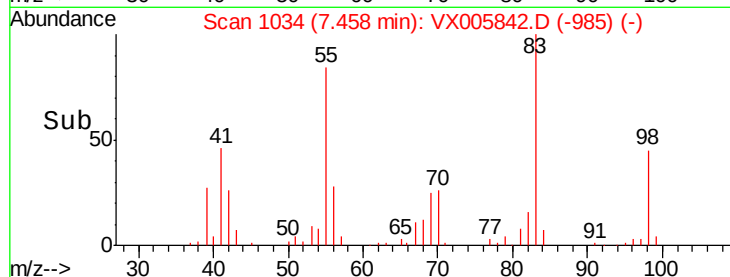
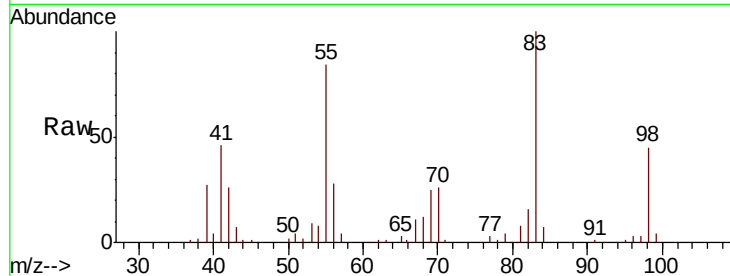
#39
Methylvlcyclohexane
Concen: 23.476 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	63.7	95.5
98	45.4	36.2	54.2

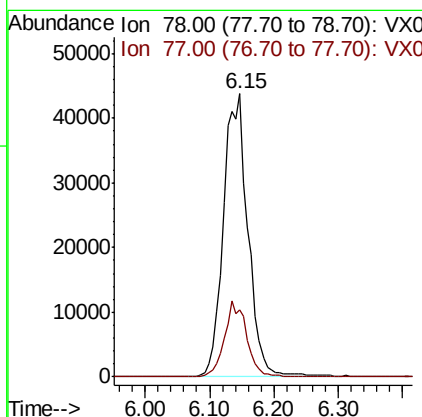
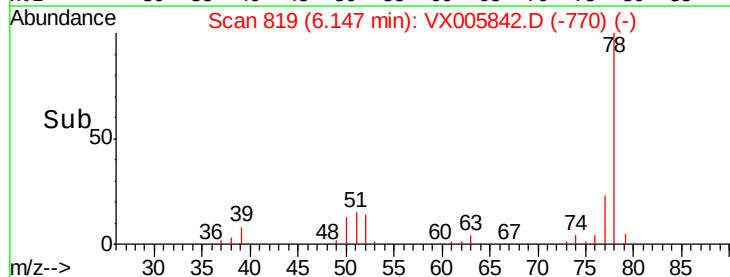
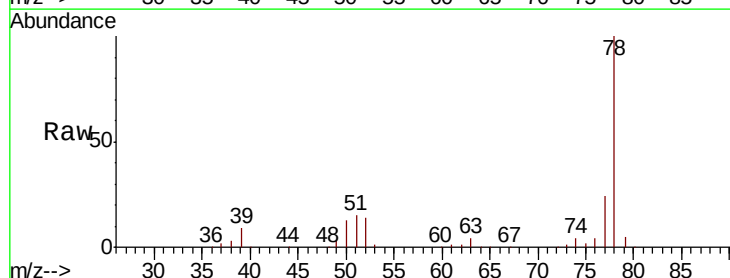
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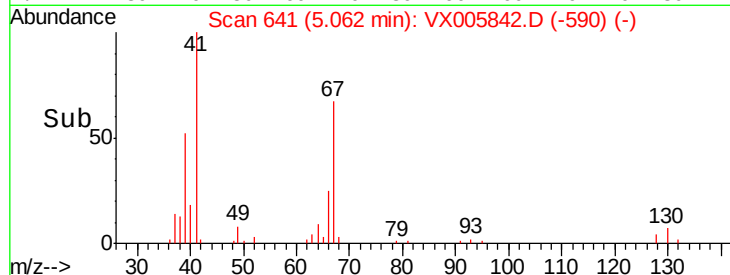
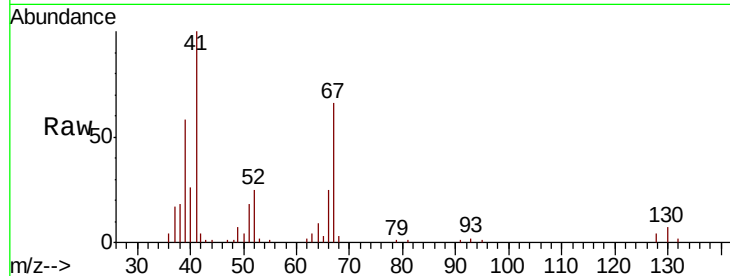
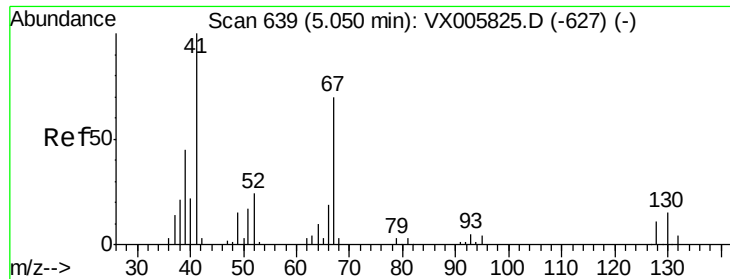
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#40
Benzene
Concen: 23.489 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6





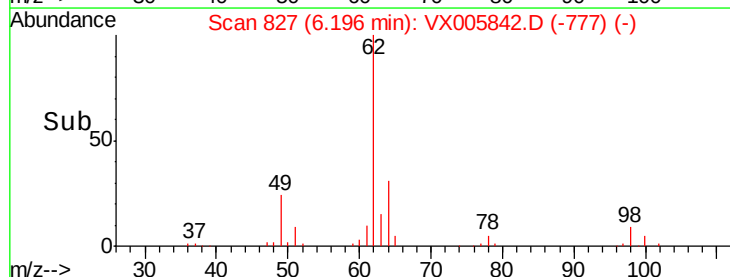
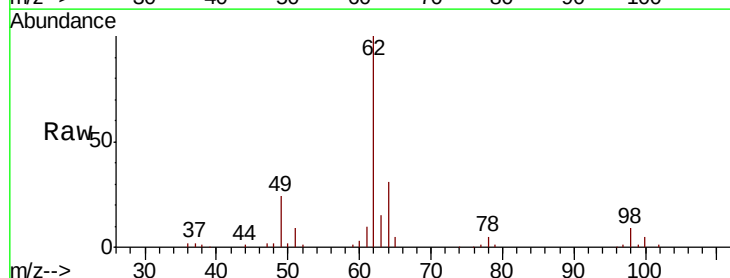
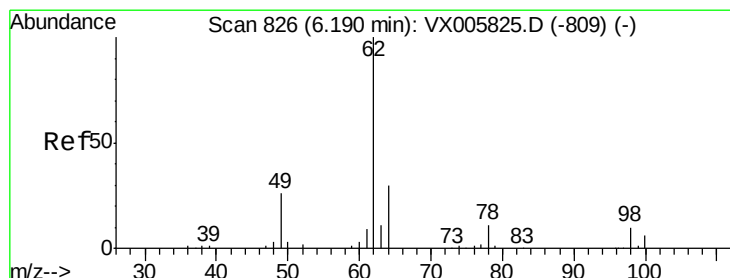
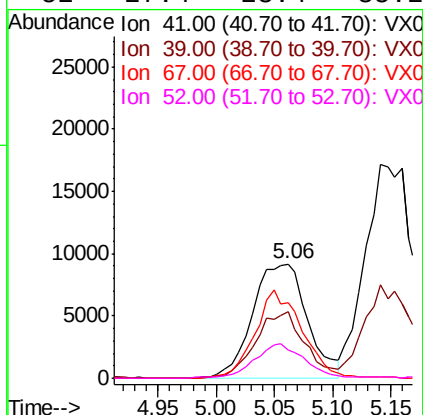
#41
Methacrylonitrile
Concen: 24.510 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		30025		
39	52.6	42.2	63.2		
67	66.6	53.4	80.0		
52	27.4	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

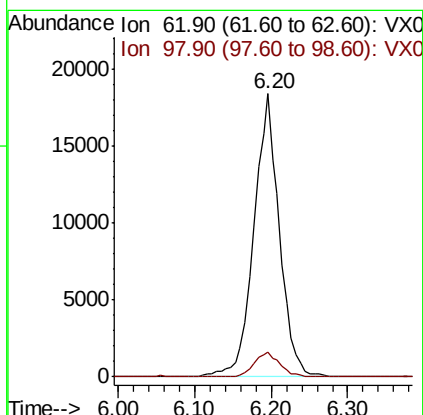
Manual Integrations
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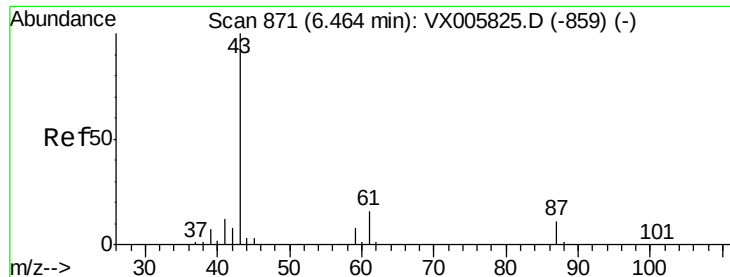
MMDadoda
11/9/2018 11:37:05 AM



#42
1,2-Dichloroethane
Concen: 23.767 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		42784		
98	8.9	0.0	17.8		





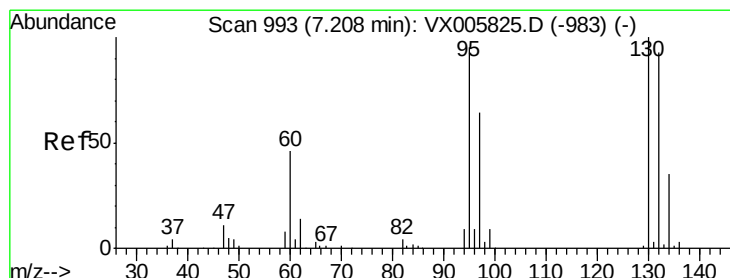
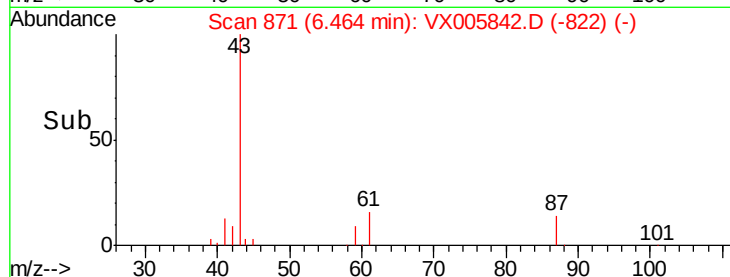
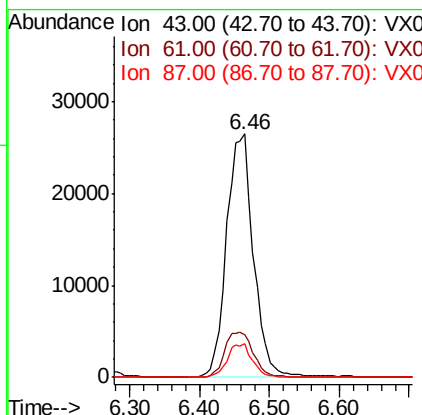
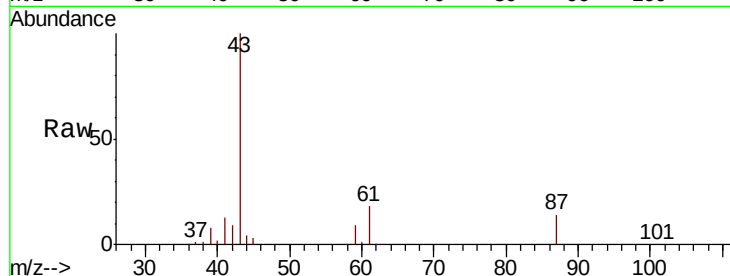
#43
Isopropyl Acetate
Concen: 21.565 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.6	22.0
87	12.8	9.6	14.4

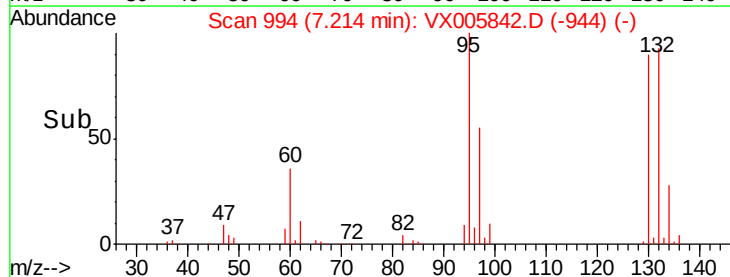
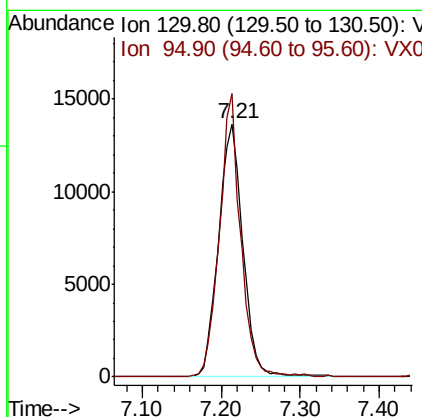
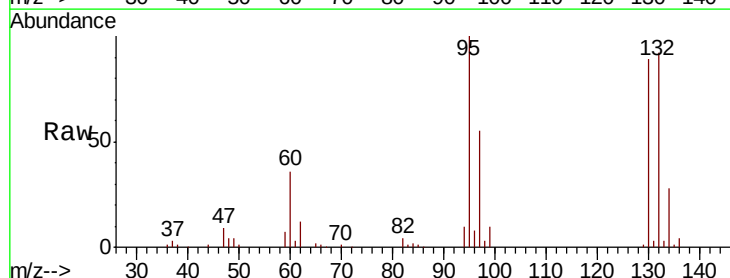
Manual Integrations
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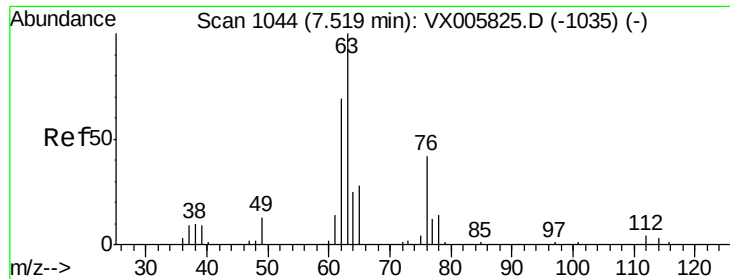
MMDadoda
11/9/2018 11:37:05 AM



#44
Trichloroethene
Concen: 22.998 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	194.2





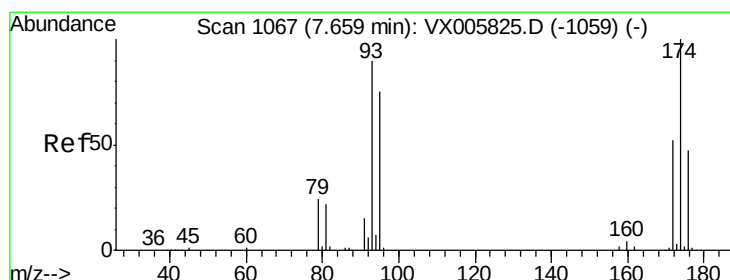
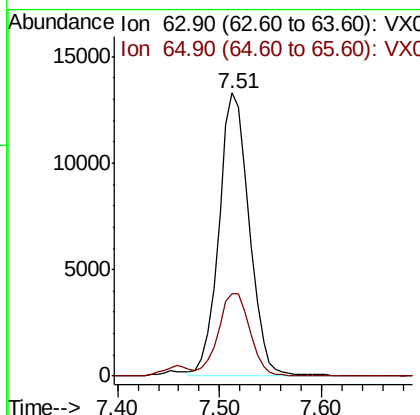
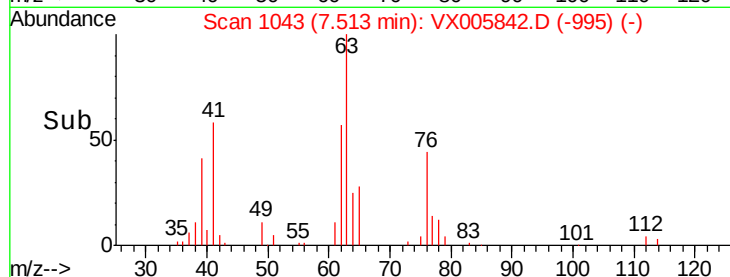
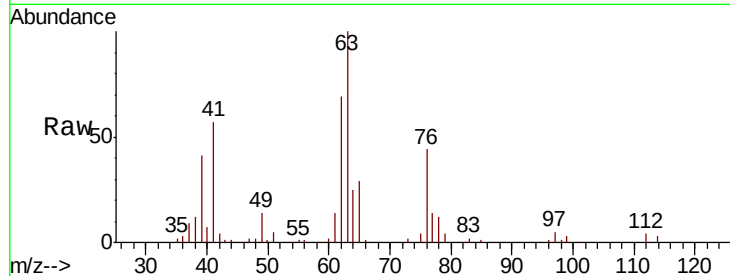
#45
1,2-Dichloropropane
Concen: 22.554 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VX1108WBS01

Tot Ion: 63 Resp: 27513
Ion Ratio Lower Upper
63 100
65 28.9 24.8 37.2

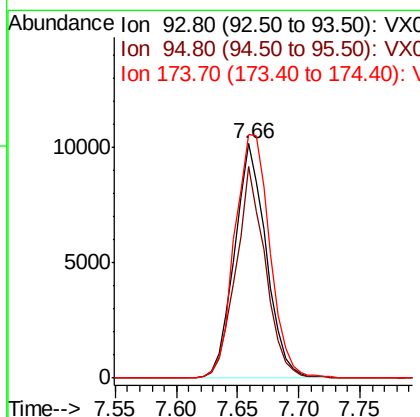
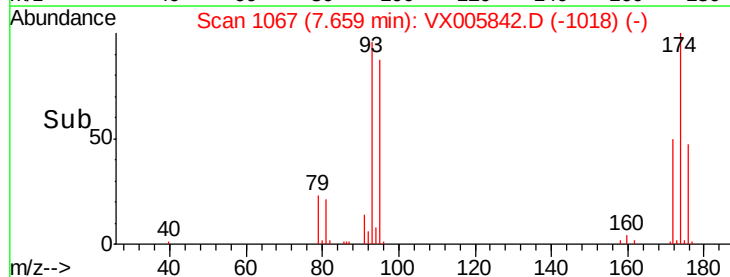
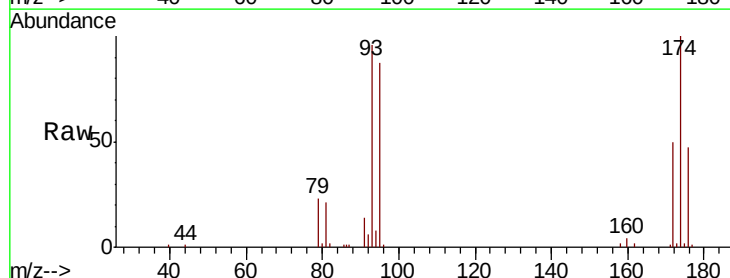
Manual Integrations
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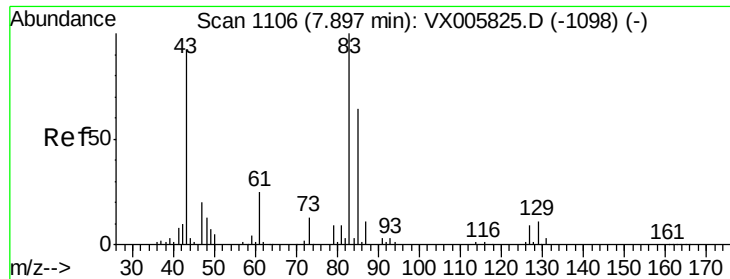
MMDadoda
11/9/2018 11:37:05 AM



#46
Dibromomethane
Concen: 23.703 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion: 93 Resp: 18144
Ion Ratio Lower Upper
93 100
95 84.1 67.4 101.0
174 115.7 91.5 137.3





#47

Bromodichloromethane

Concen: 24.204 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

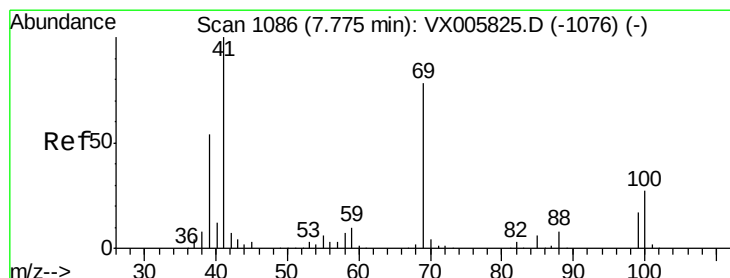
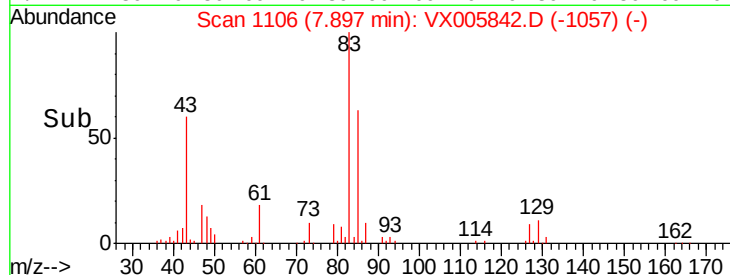
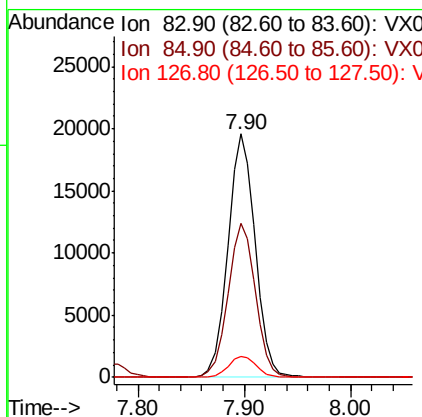
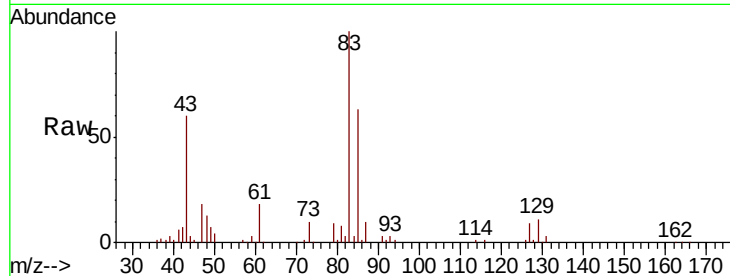
ClientSampled :

VX1108WBS01

Tot Ion:	83	Resp:	35014
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.4
127	8.6	6.9	10.3

Manual Integrations
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MMDadoda
11/9/2018 11:37:05 AM



#48

Methyl methacrylate

Concen: 23.717 ug/l

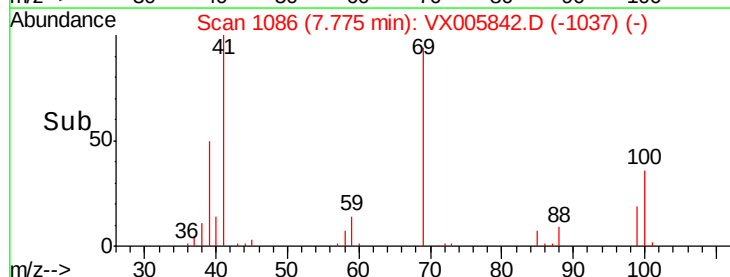
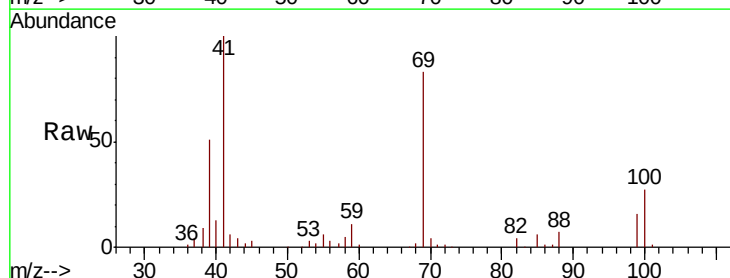
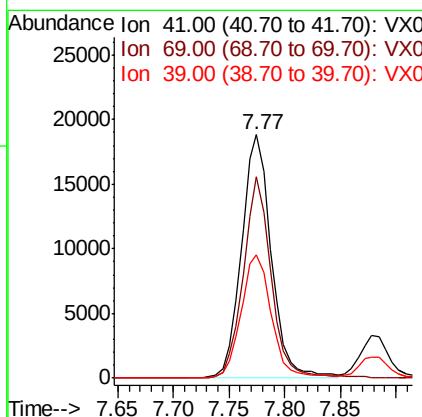
RT: 7.77 min Scan# 1086

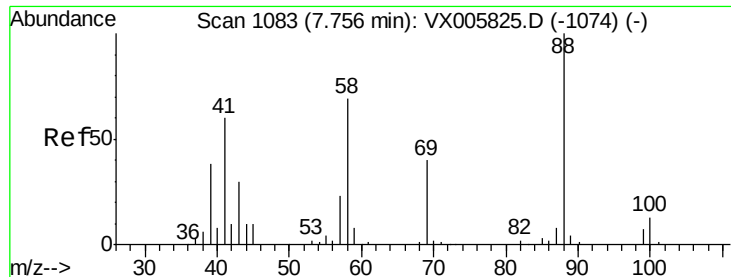
Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion:	41	Resp:	34984
Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.2	94.8
39	51.7	42.2	63.2





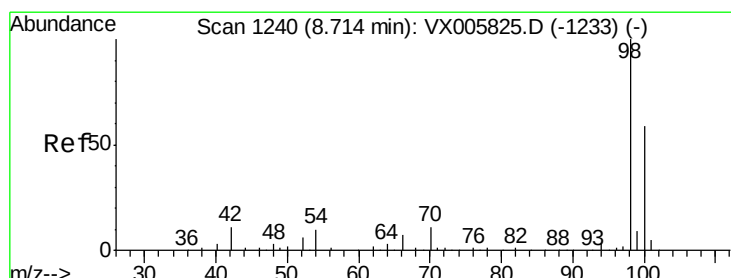
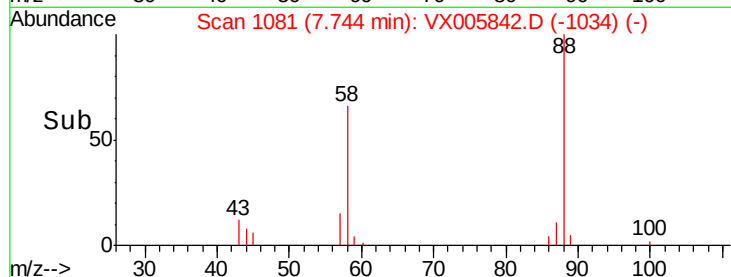
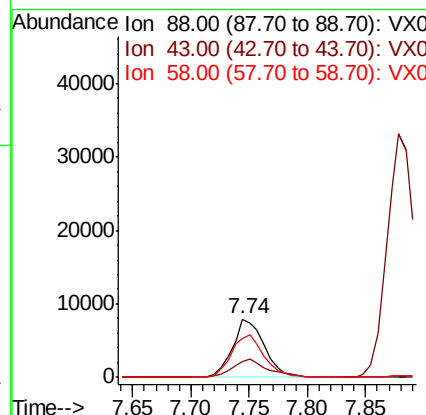
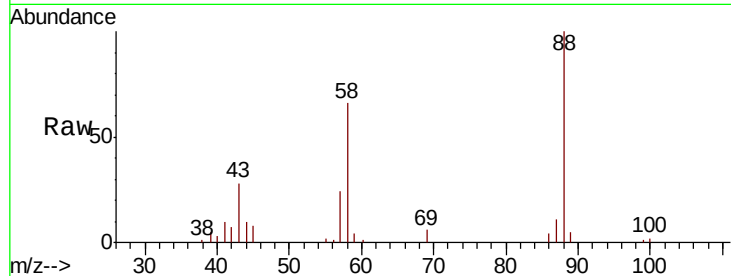
#49
1,4-Dioxane
Concen: 468.996 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.4	41.0
58	75.9	59.4	89.2

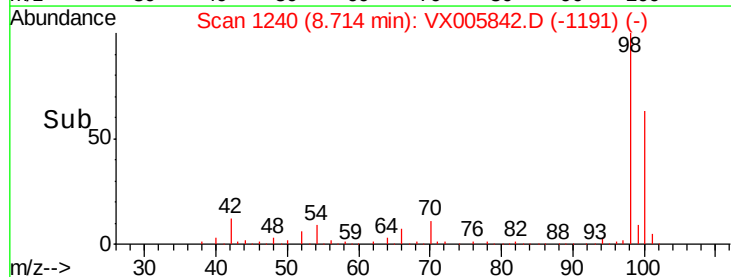
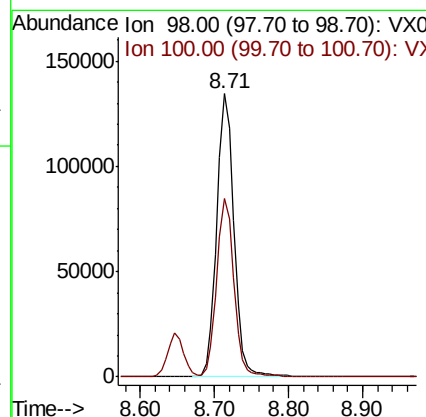
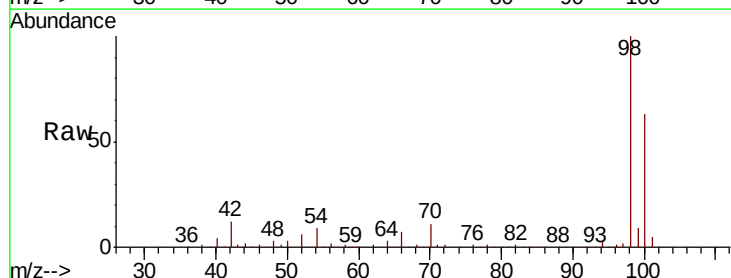
Manual Integrations
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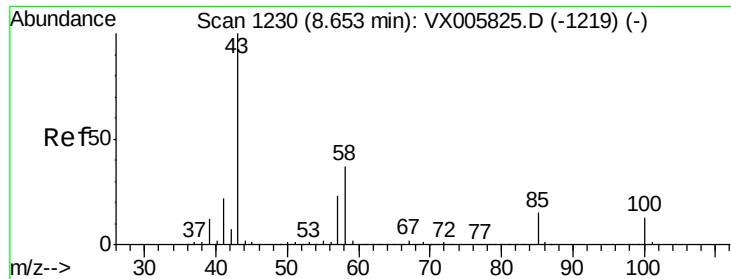
MMDadoda
11/9/2018 11:37:05 AM



#50
Toluene-d8
Concen: 52.894 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 112.873 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 43 Resp: 233687

Ion Ratio Lower Upper

43 100

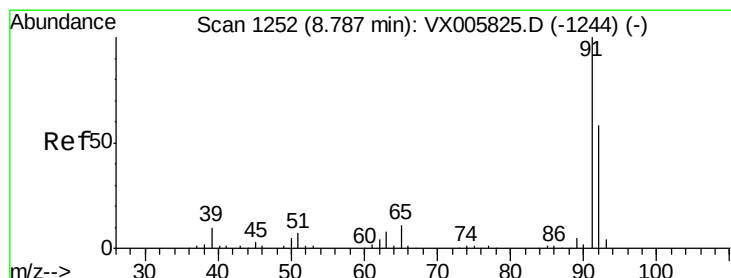
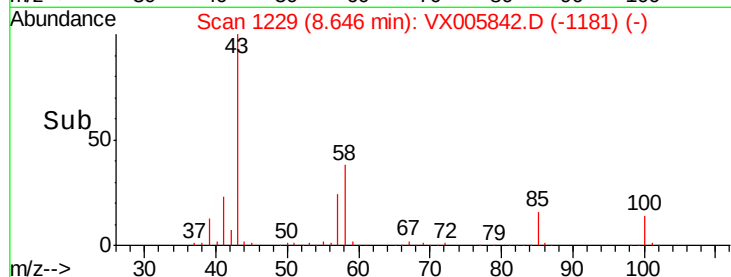
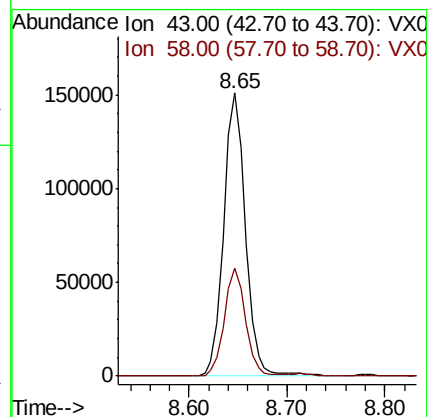
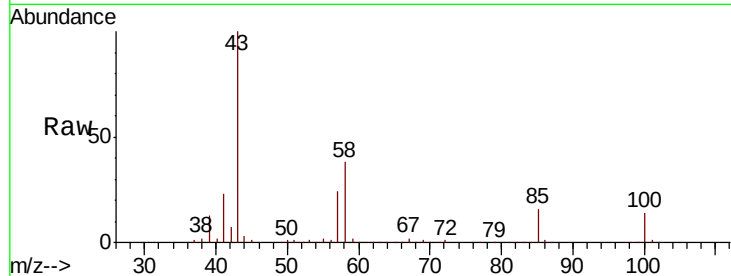
58 37.1 29.7 44.5

Manual Integrations

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MMDadoda

11/9/2018 11:37:05 AM



#52

Toluene

Concen: 22.675 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005842.D

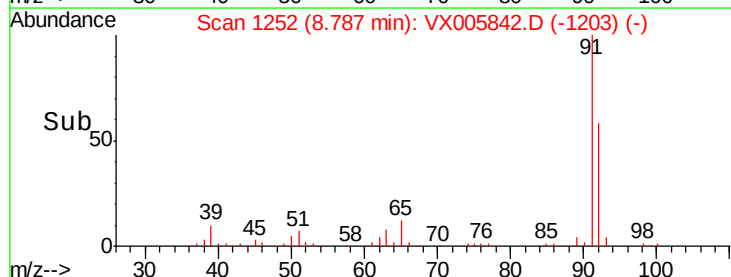
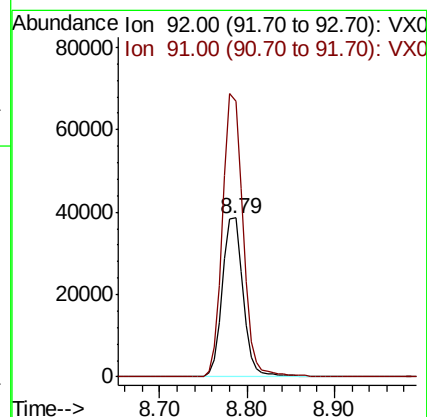
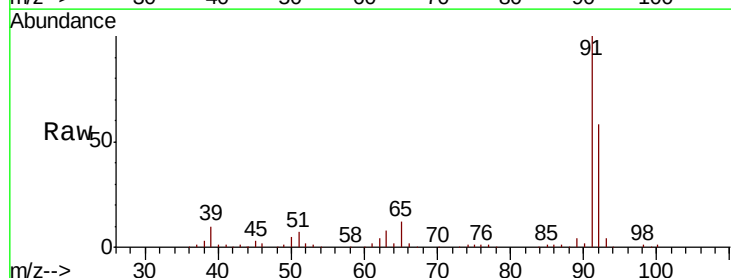
Acq: 08 Nov 2018 13:16

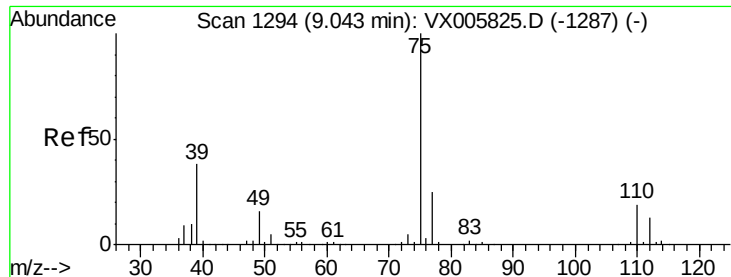
Tgt Ion: 92 Resp: 63690

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





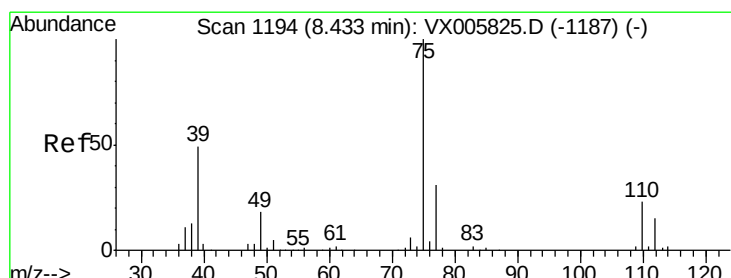
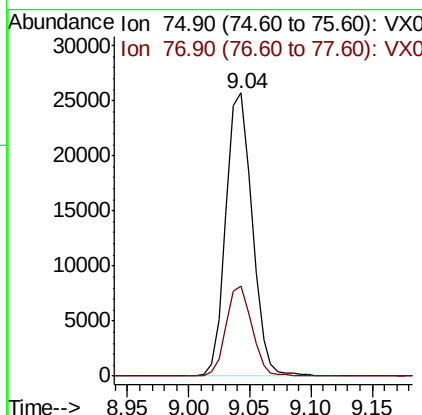
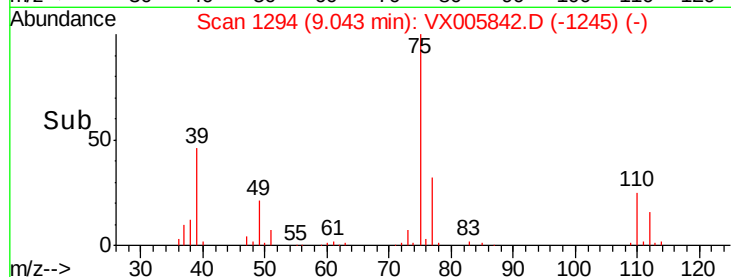
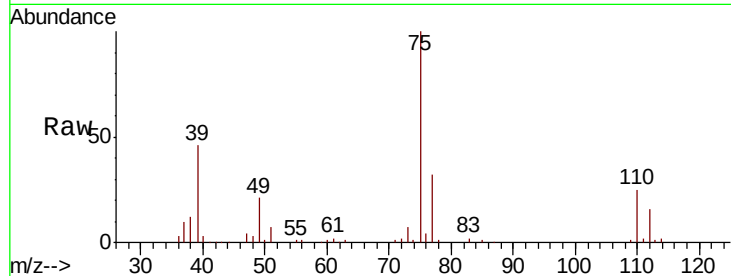
#53
t-1,3-Dichloropropene
Concen: 22.481 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion: 75 Resp: 38378
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

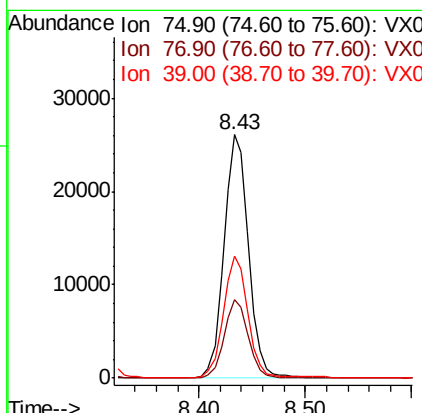
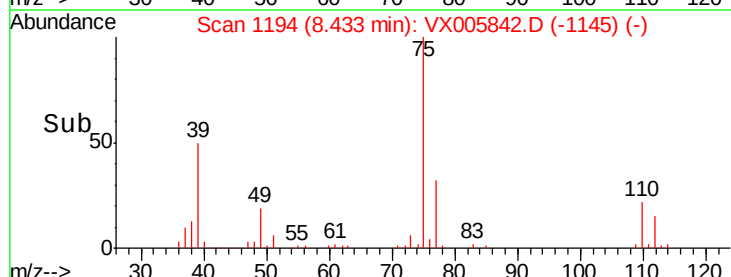
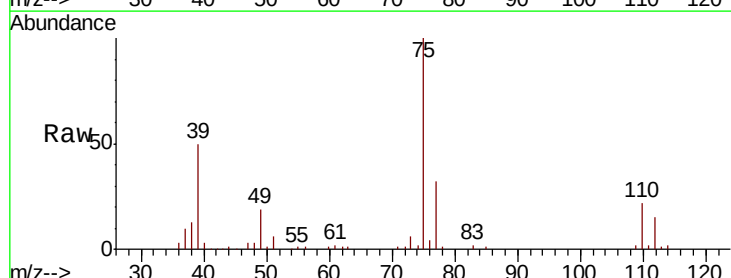
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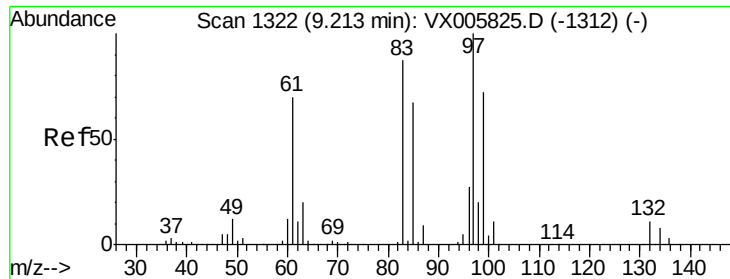
MMDadoda
11/9/2018 11:37:05 AM



#54
cis-1,3-Dichloropropene
Concen: 24.023 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion: 75 Resp: 41801
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 50.2 38.2 57.2





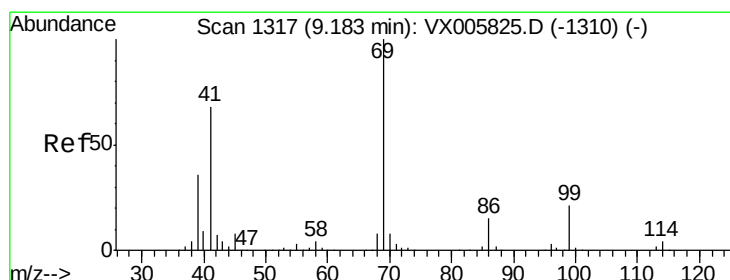
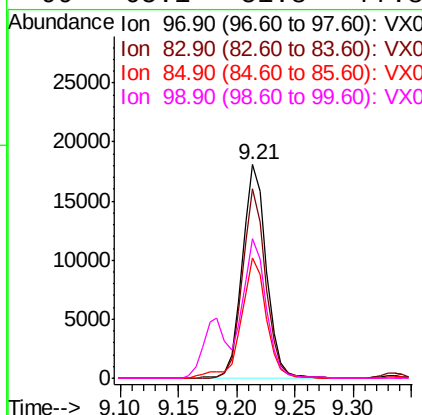
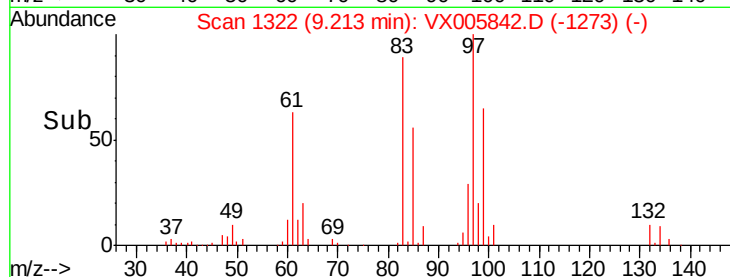
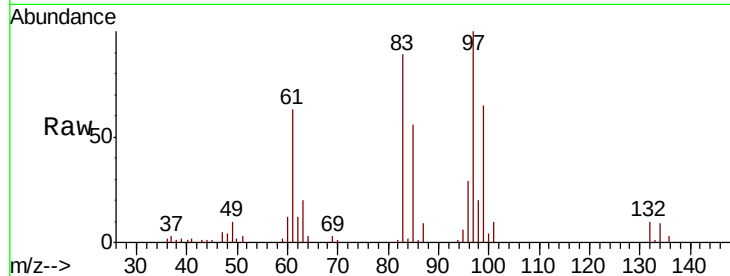
#55
 1,1,2-Trichloroethane
 Concen: 20.906 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion:	97	Resp:	26171
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	56.4	45.8	68.6
99	65.1	51.8	77.8

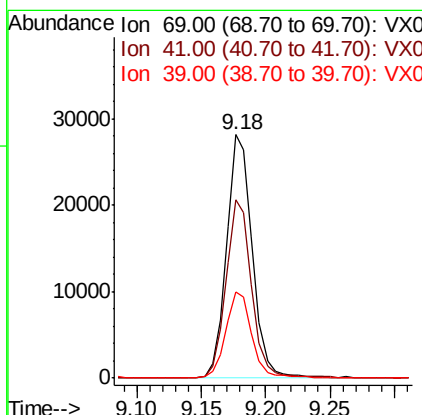
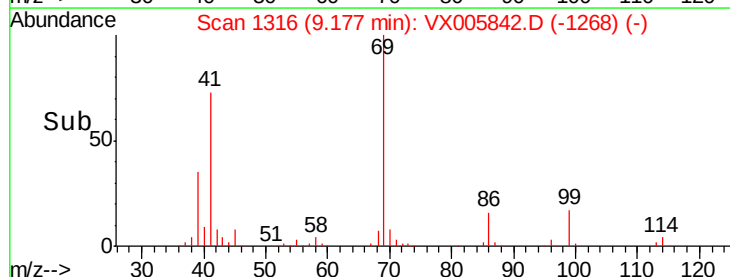
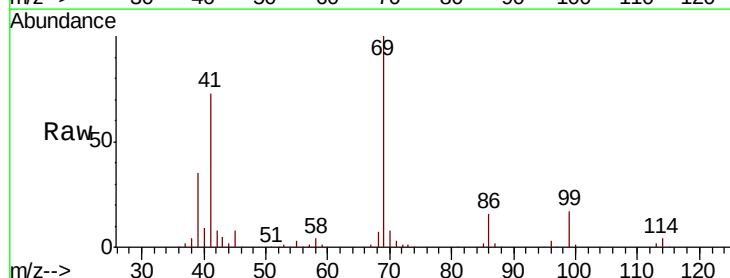
Manual Integrations
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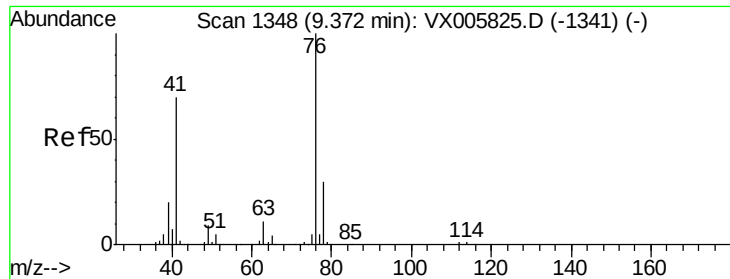
MMDadoda
 11/9/2018 11:37:05 AM



#56
 Ethyl methacrylate
 Concen: 21.110 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion:	69	Resp:	39541
Ion	Ratio	Lower	Upper
69	100		
41	73.9	57.0	85.6
39	36.2	28.3	42.5





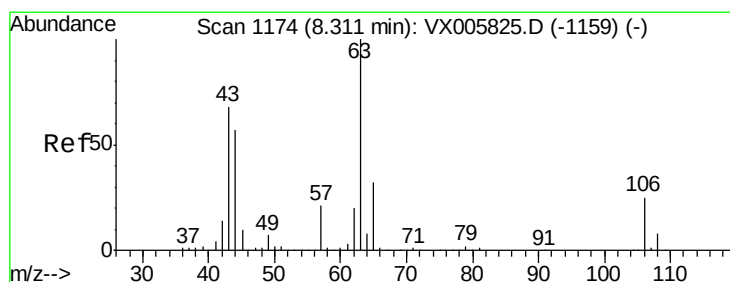
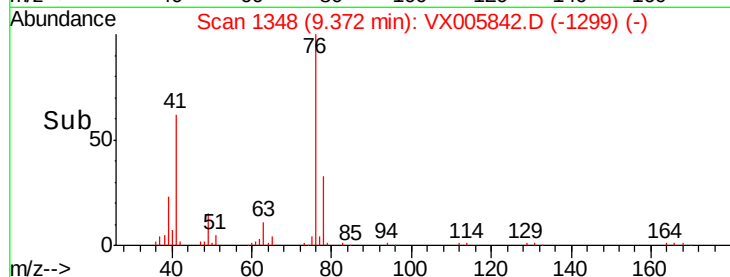
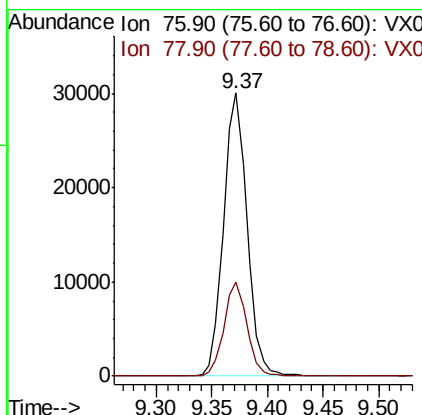
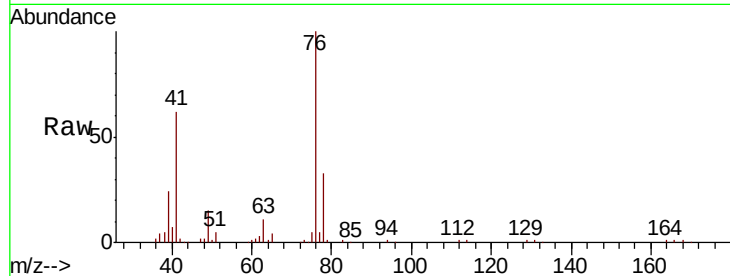
#57
 1,3-Dichloropropane
 Concen: 20.898 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.3	37.9

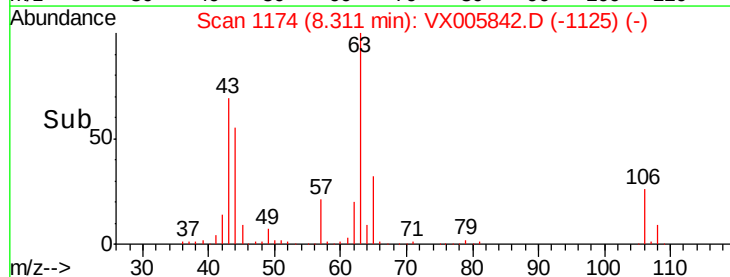
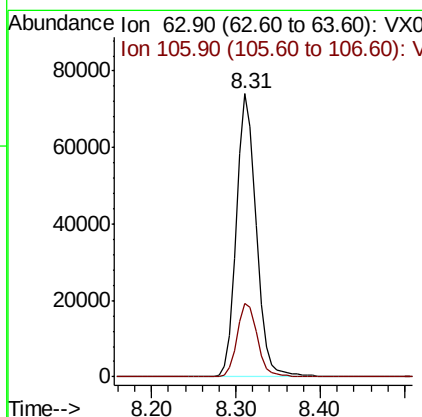
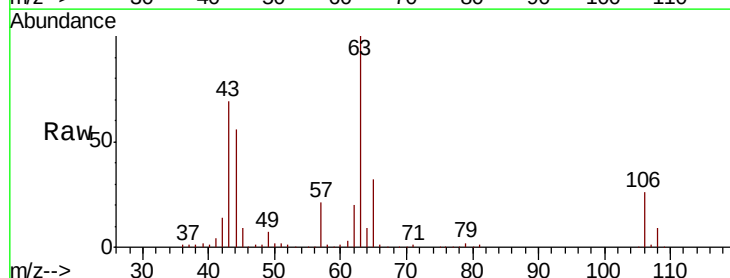
Manual Integrations
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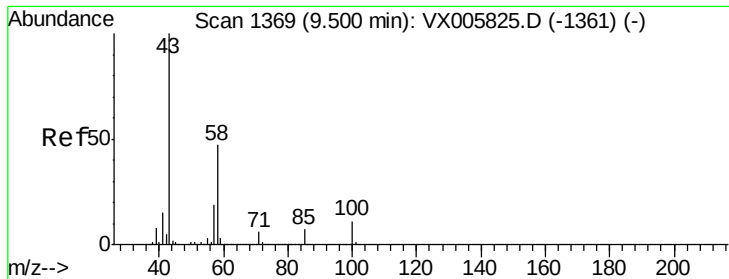
MMDadoda
 11/9/2018 11:37:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.653 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.3	31.9





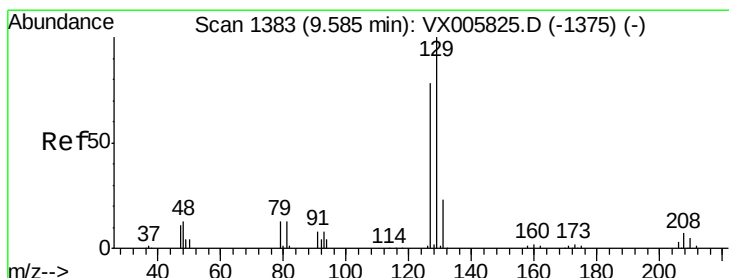
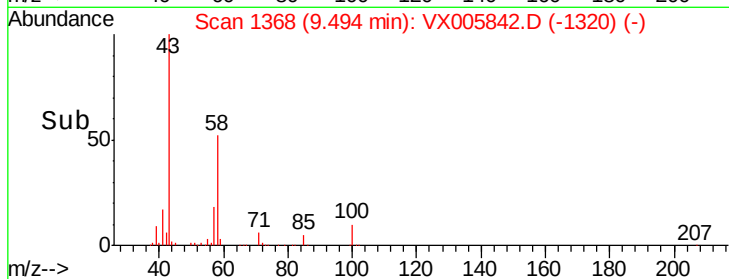
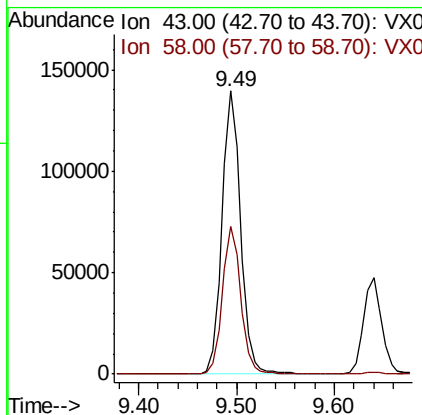
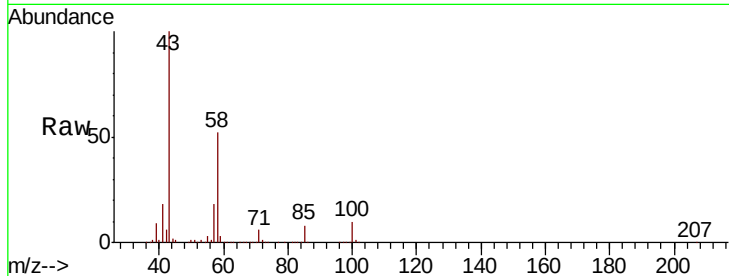
#59
2-Hexanone
Concen: 101.572 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion: 43 Resp: 185360
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.8

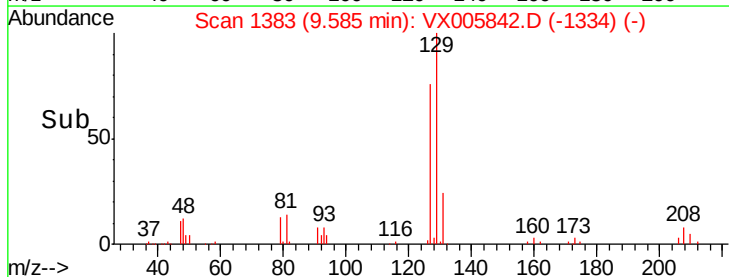
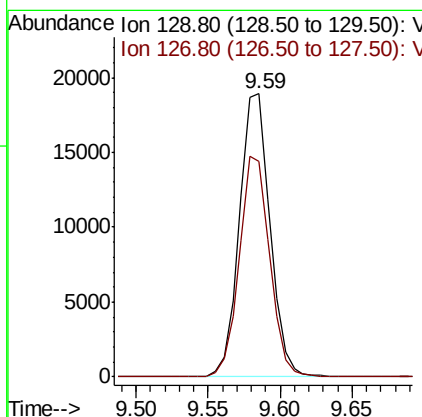
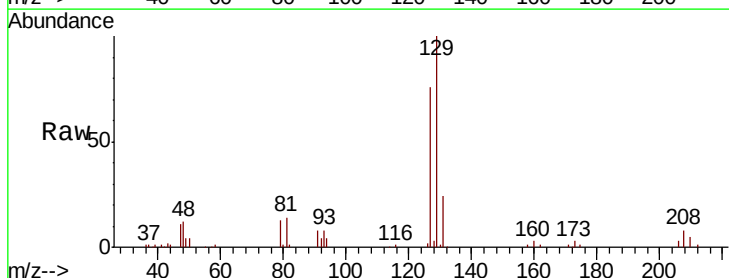
Manual Integrations
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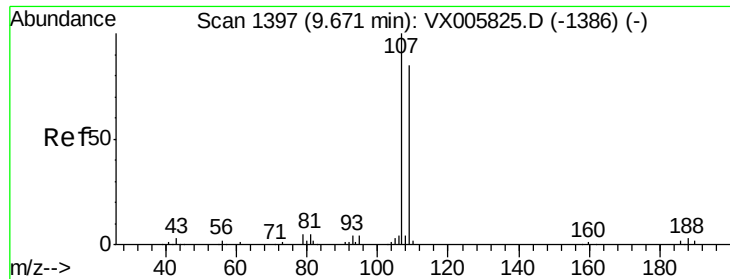
MMDadoda
11/9/2018 11:37:05 AM



#60
Dibromochloromethane
Concen: 20.615 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion:129 Resp: 27891
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.949 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion:107 Resp: 27615

Ion Ratio Lower Upper

107 100

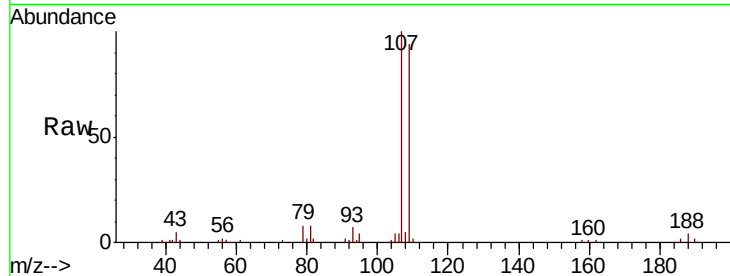
109 94.3 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

20000

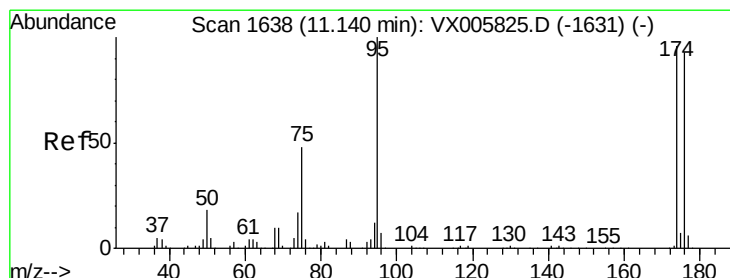
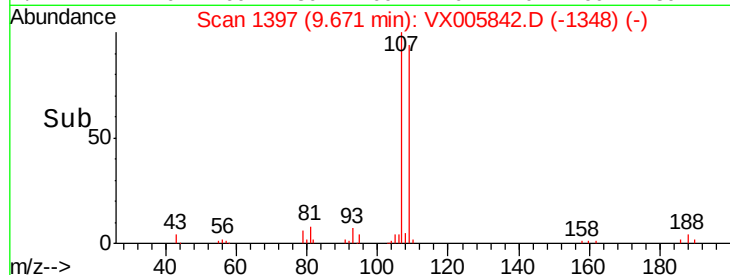
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.018 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

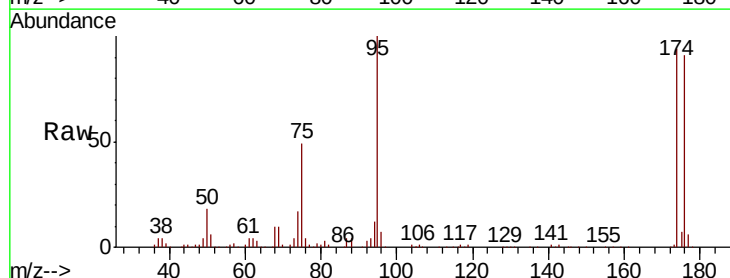
Tgt Ion: 95 Resp: 79990

Ion Ratio Lower Upper

95 100

174 90.1 0.0 184.4

176 87.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

80000

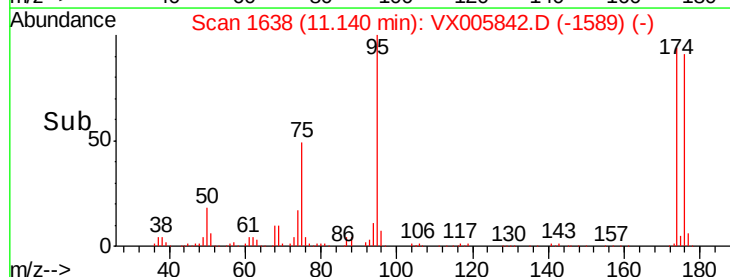
60000

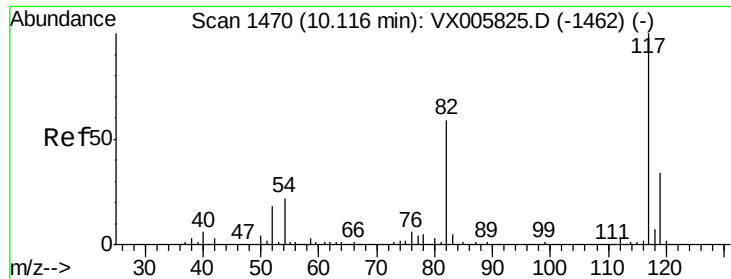
40000

20000

0

Time-->





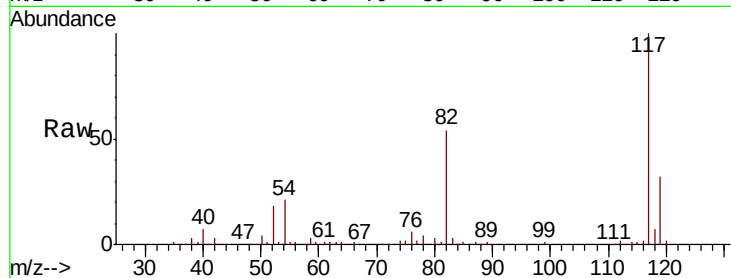
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.1	66.1
119	32.5	26.2	39.2

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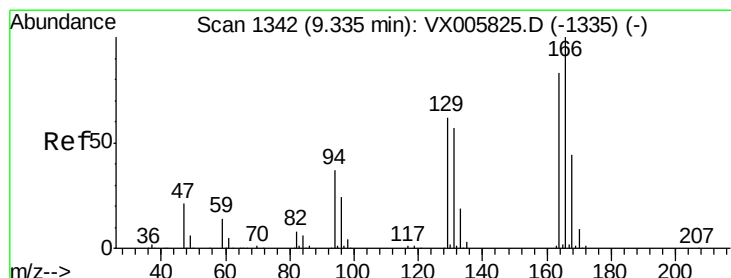
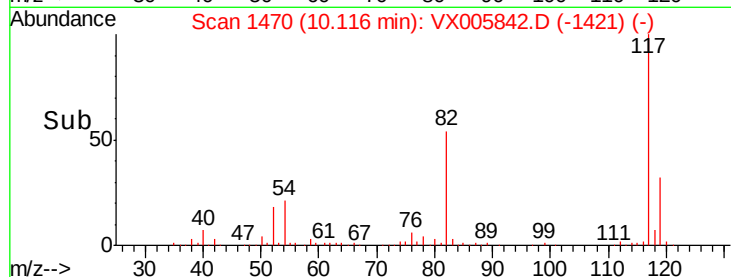
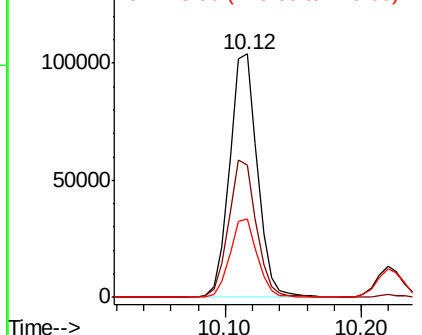


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 23.312 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.9	152.9
129	87.9	72.6	109.0
131	85.6	71.1	106.7

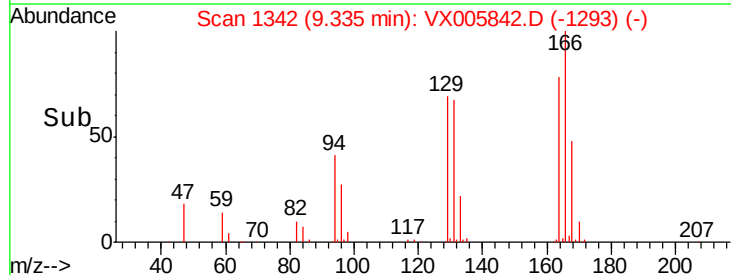
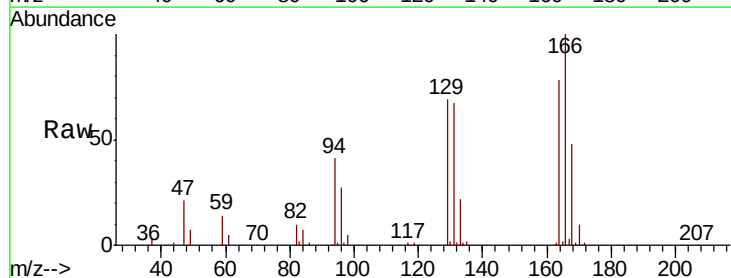
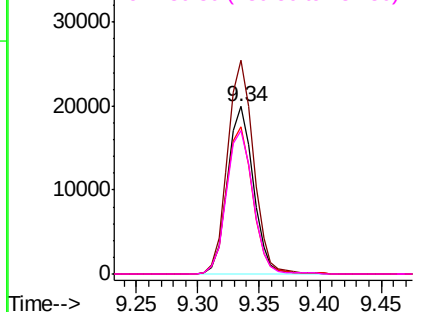
Abundance

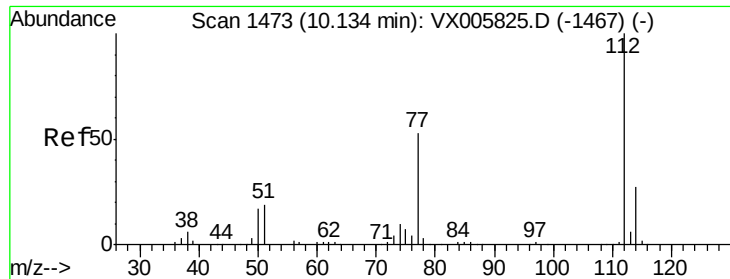
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





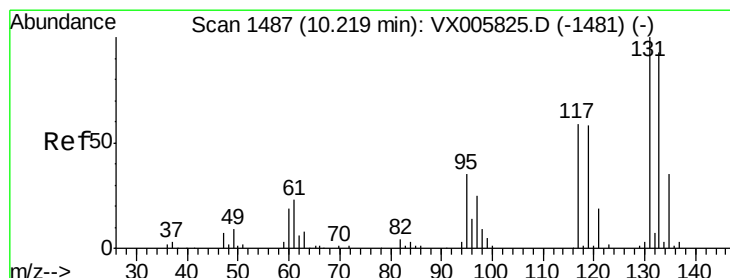
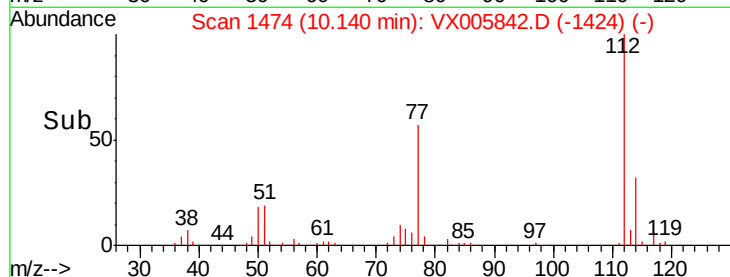
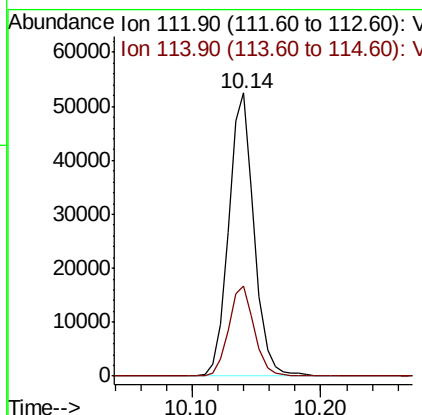
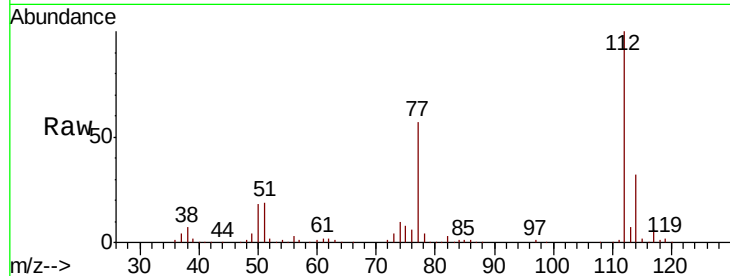
#65
Chlorobenzene
Concen: 24.424 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VX1108WBS01

Tot Ion:112 Resp: 72151
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

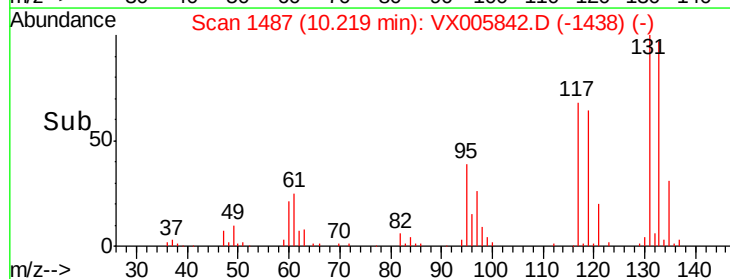
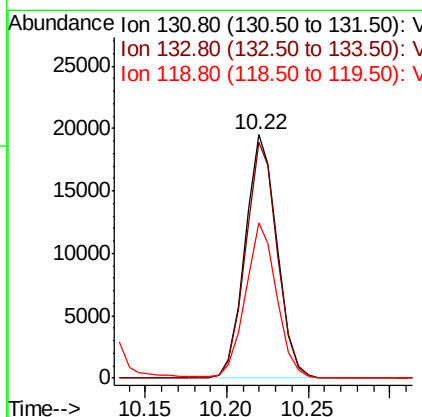
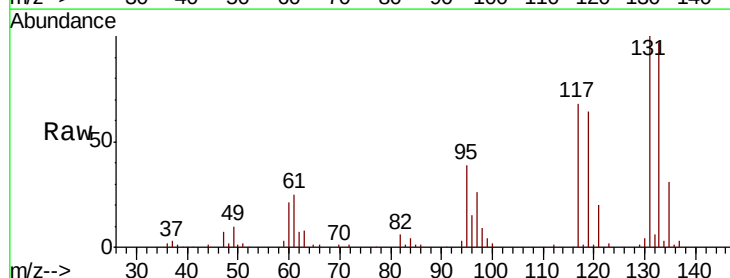
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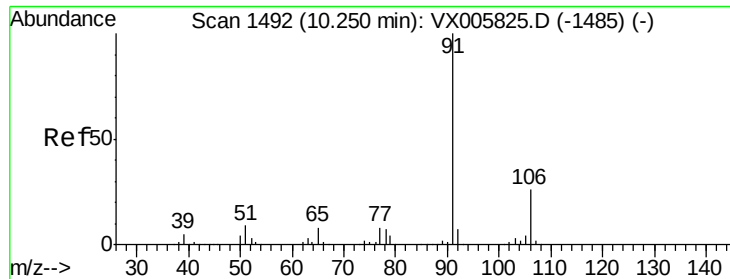
MMDadoda
11/9/2018 11:37:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 25.780 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion:131 Resp: 26476
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.5
119 62.9 31.8 95.3





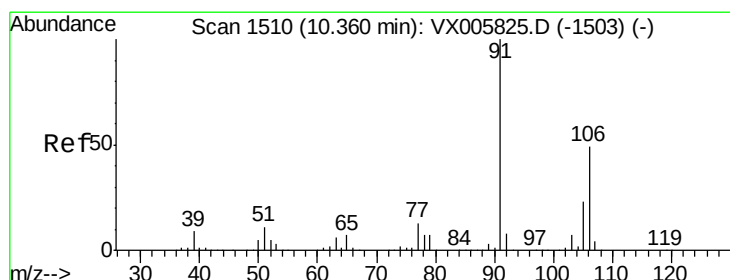
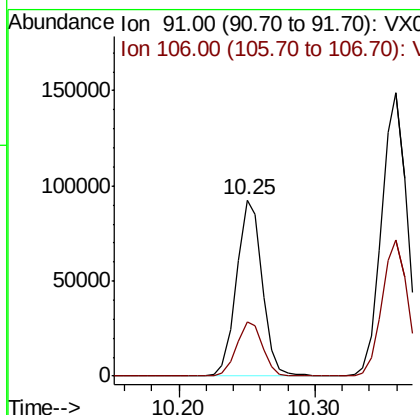
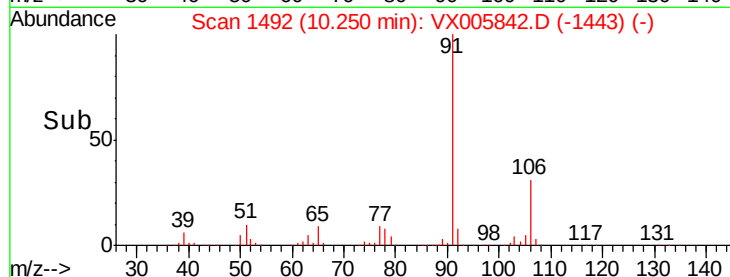
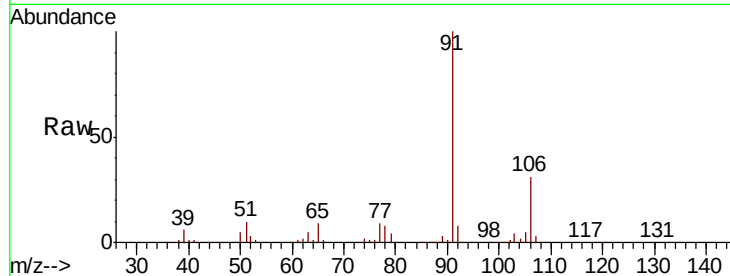
#67
Ethyl Benzene
Concen: 25.726 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VX1108WBS01

Tot Ion: 91 Resp: 121863
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6

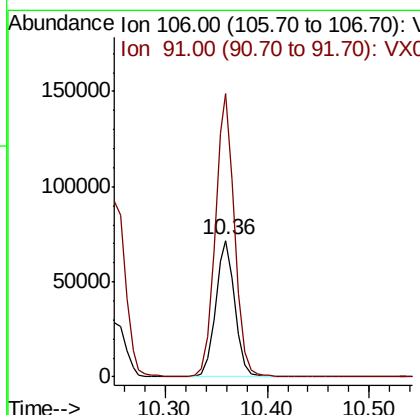
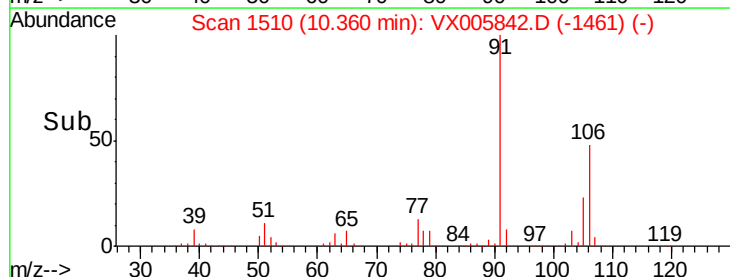
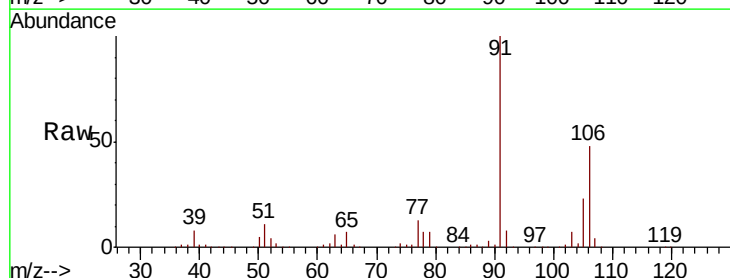
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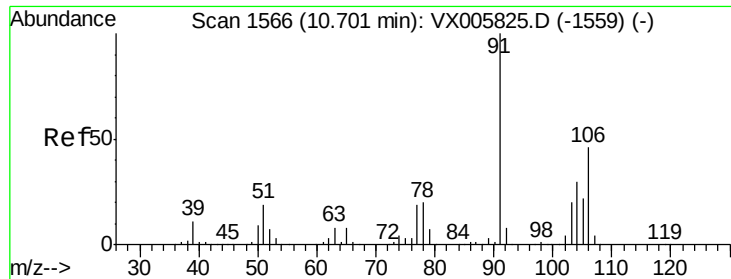
MMDadoda
11/9/2018 11:37:05 AM



#68
m/p-Xylenes
Concen: 52.663 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion: 106 Resp: 95154
Ion Ratio Lower Upper
106 100
91 207.7 164.2 246.4





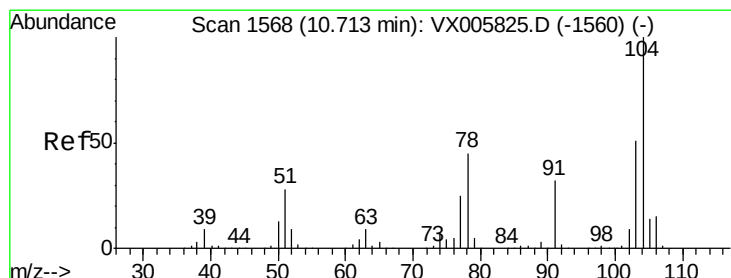
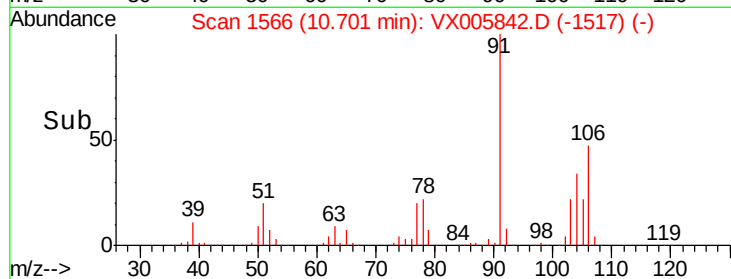
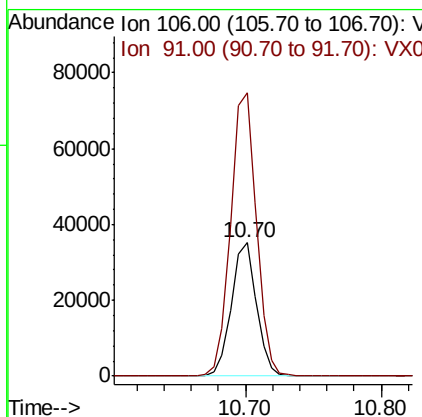
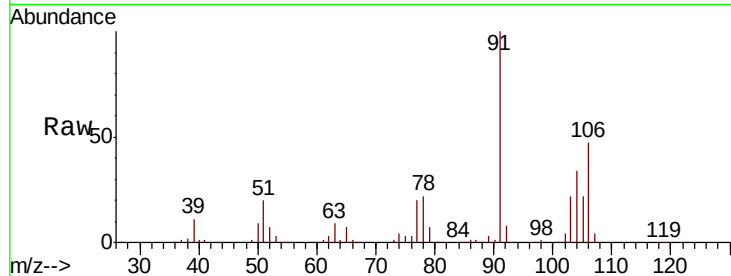
#69
o-Xylene
Concen: 27.789 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion:106 Resp: 45023
Ion Ratio Lower Upper
106 100
91 219.2 108.5 325.5

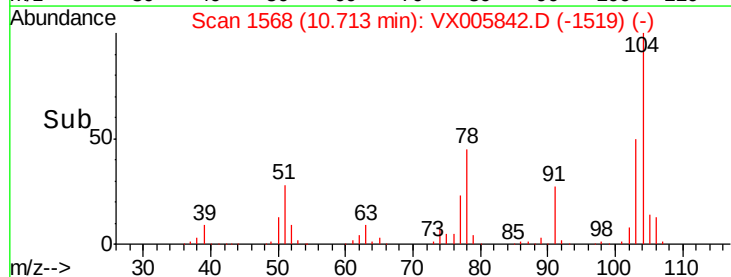
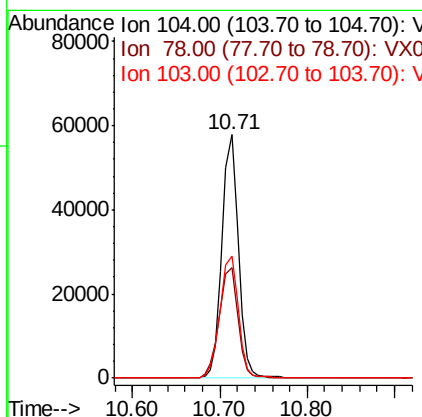
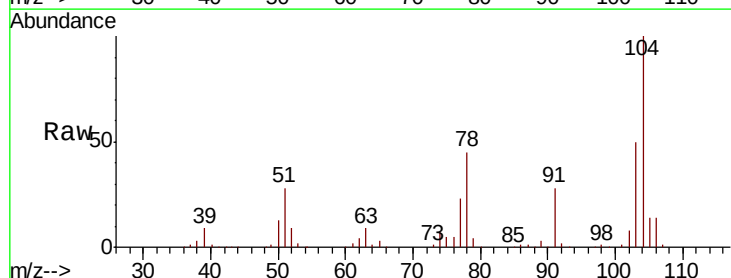
Manual Integrations
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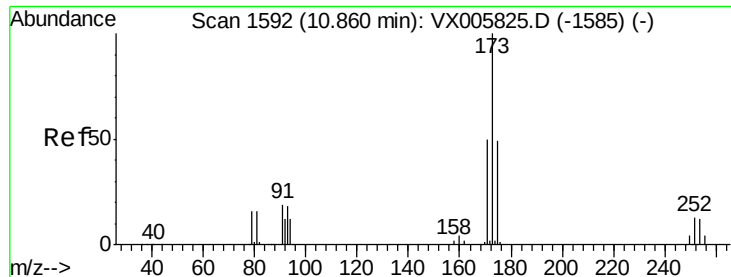
MMDadoda
11/9/2018 11:37:05 AM



#70
Styrene
Concen: 28.135 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion:104 Resp: 75197
Ion Ratio Lower Upper
104 100
78 52.3 40.2 60.4
103 56.3 44.9 67.3





#71

Bromoform

Concen: 26.362 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion:173 Resp: 22696

Ion Ratio Lower Upper

173 100

175 49.3 24.8 74.3

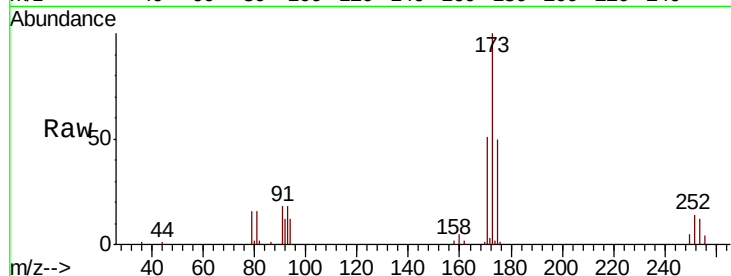
254 0.0 0.2 0.2#

Manual Integrations

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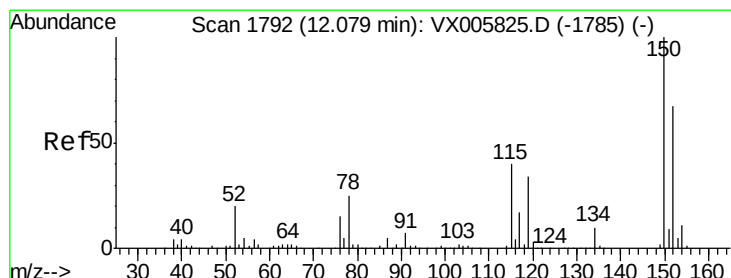
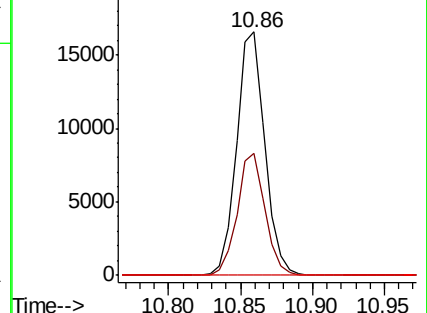
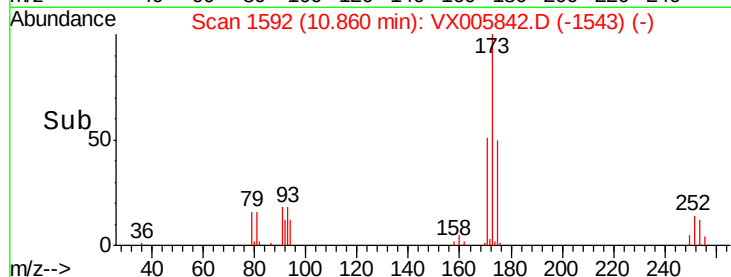
11/9/2018 11:37:05 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

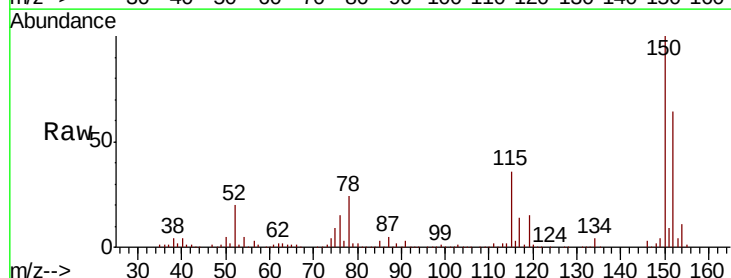
Tgt Ion:152 Resp: 83447

Ion Ratio Lower Upper

152 100

115 66.7 39.4 118.1

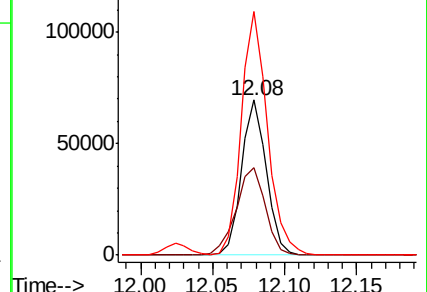
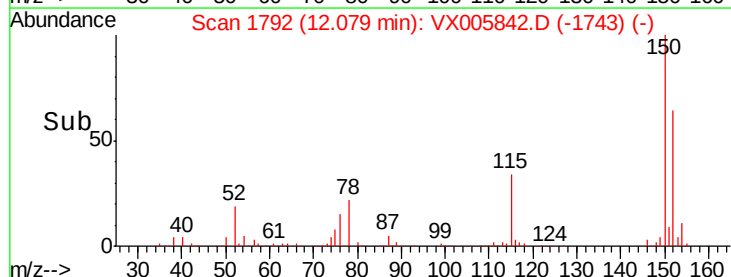
150 165.1 0.0 346.4

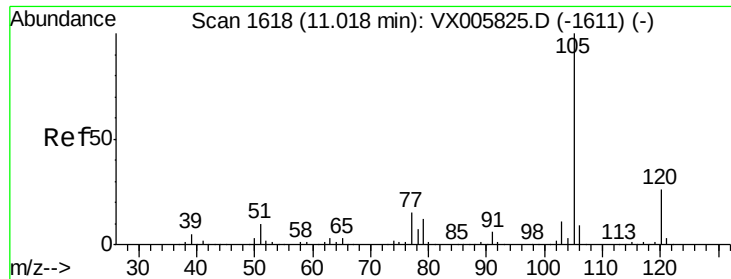


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





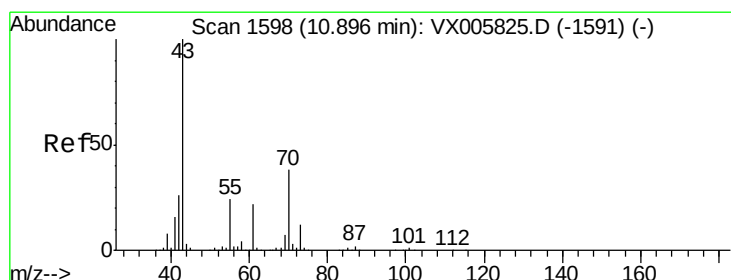
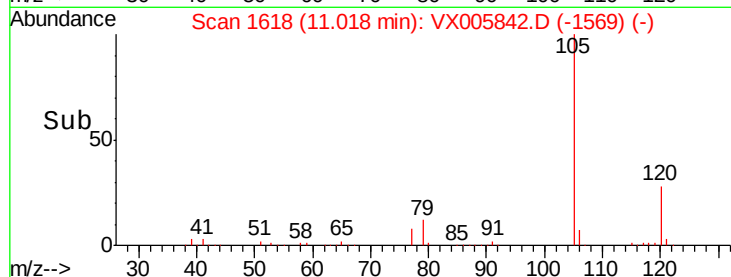
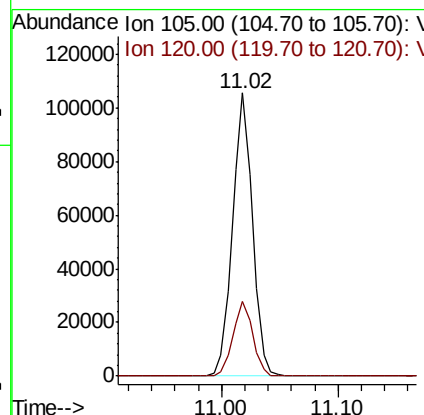
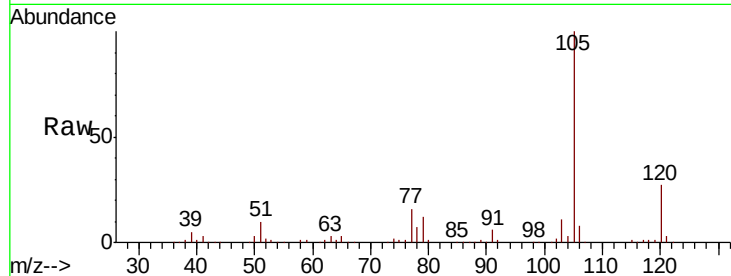
#73
Isopropylbenzene
Concen: 25.896 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

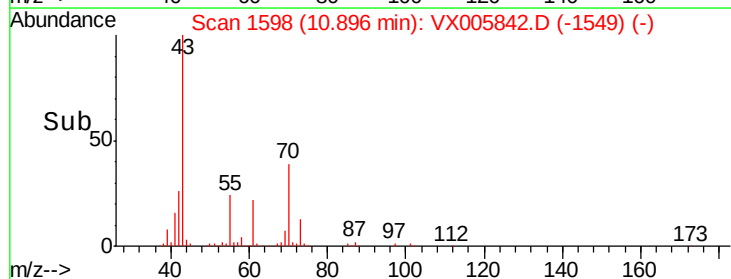
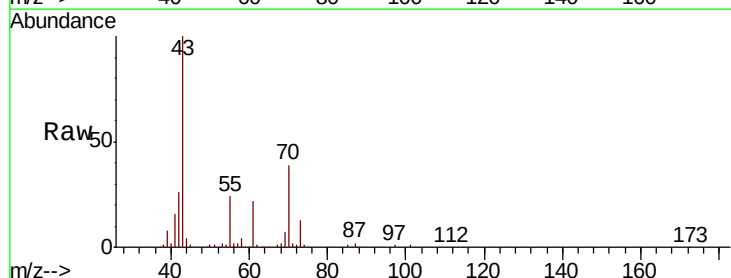
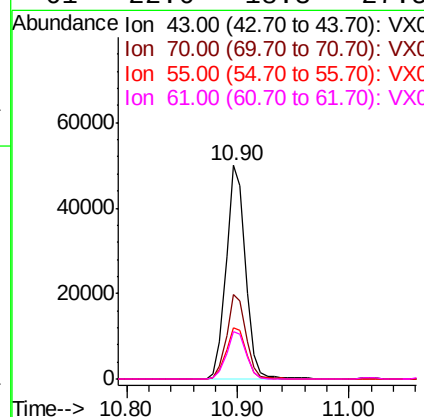
Manual Integrations
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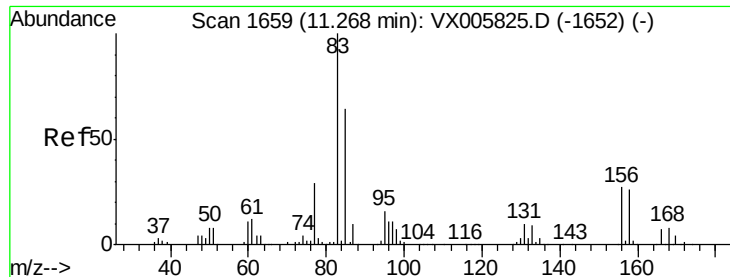
MMDadoda
11/9/2018 11:37:05 AM



#74
N-ethyl acetate
Concen: 22.843 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.6	47.4
55	25.0	19.7	29.5
61	22.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.722 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

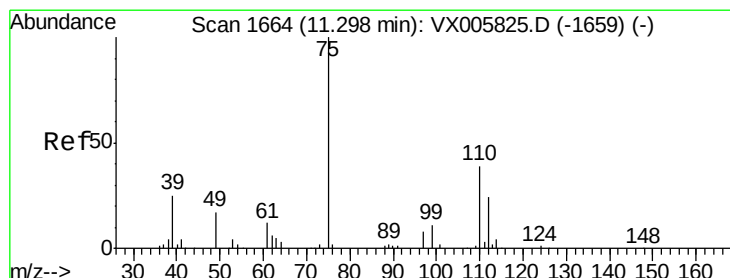
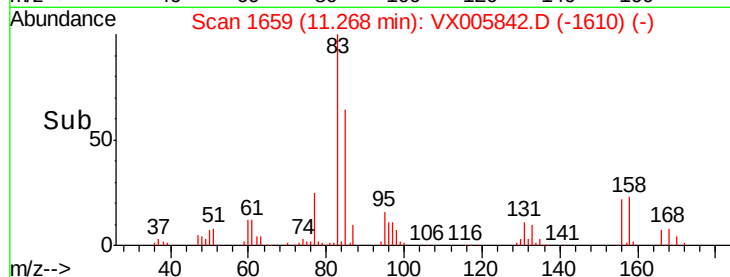
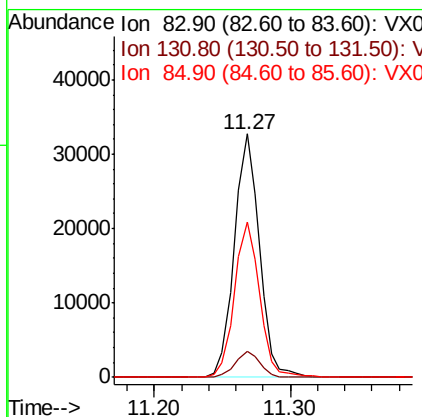
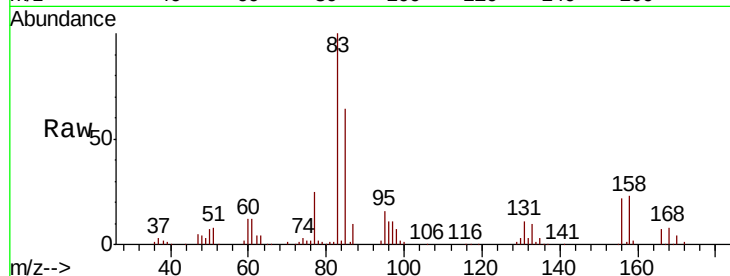
ClientSampleId :

VX1108WBS01

Tot Ion:	83	Resp:	42018
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	63.9	32.0	96.2

Manual Integrations
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11/9/2018 11:37:05 AM



#76

1,2,3-Trichloropropane

Concen: 24.667 ug/l m

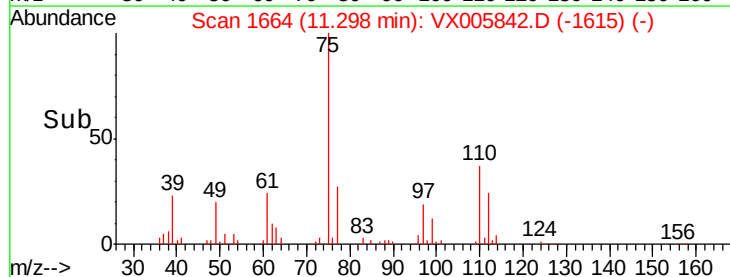
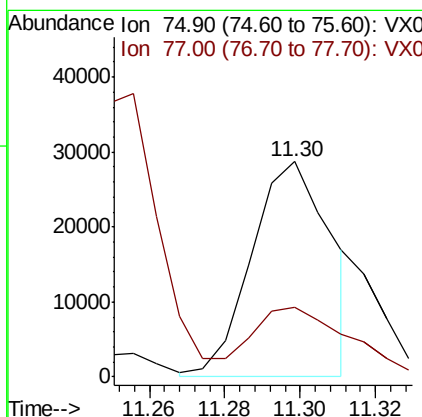
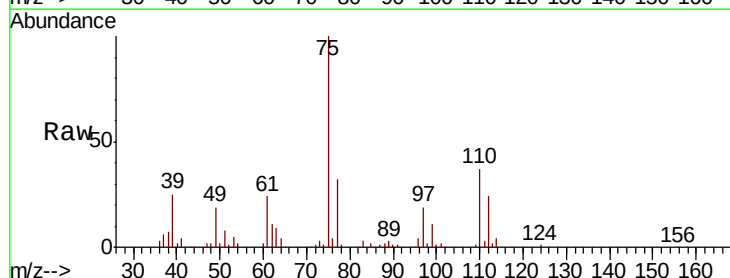
RT: 11.30 min Scan# 1664

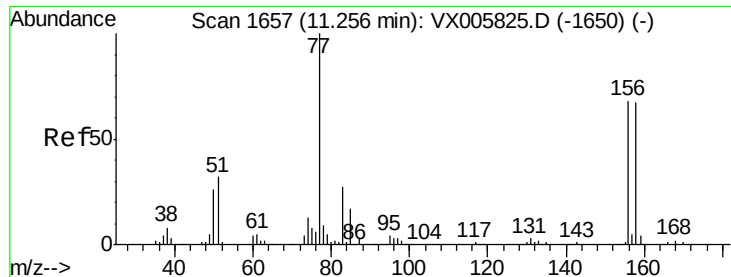
Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion:	75	Resp:	41913
Ion	Ratio	Lower	Upper
75	100		
77	39.0	20.5	61.6





#77

Bromobenzene

Concen: 24.413 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

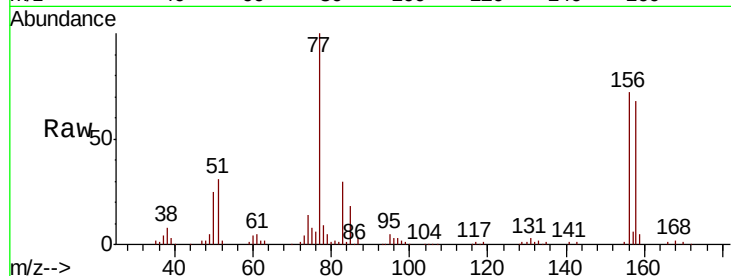
ClientSampleId :

VX1108WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.5	74.8	224.4
158	97.0	49.1	147.3

Manual Integrations
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11/9/2018 11:37:05 AM

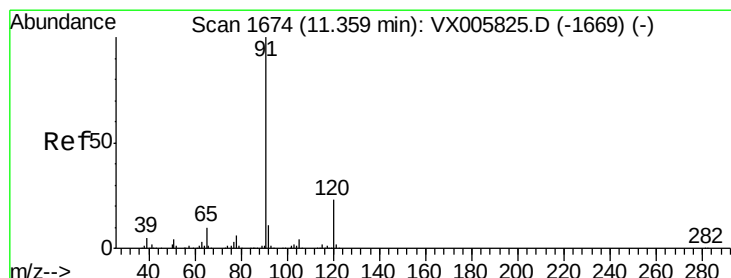
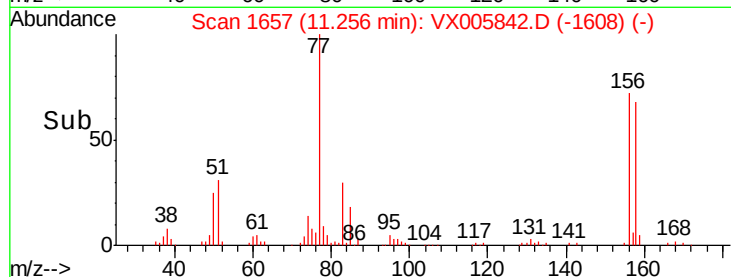
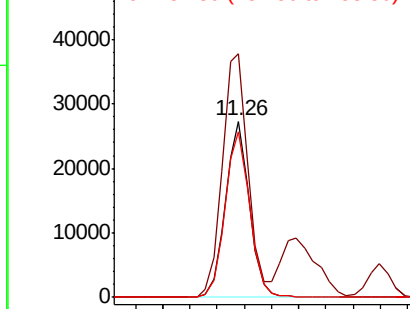


Abundance

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: 25.815 ug/l

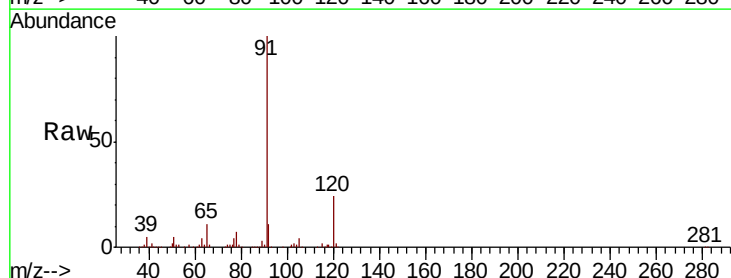
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

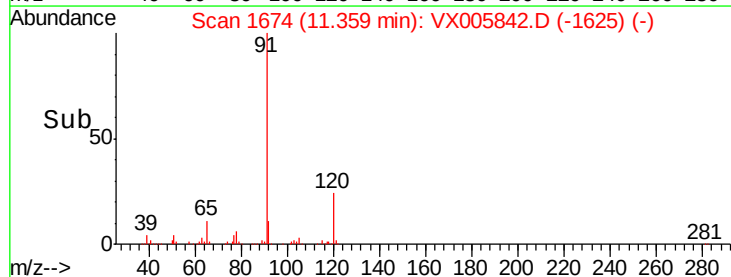
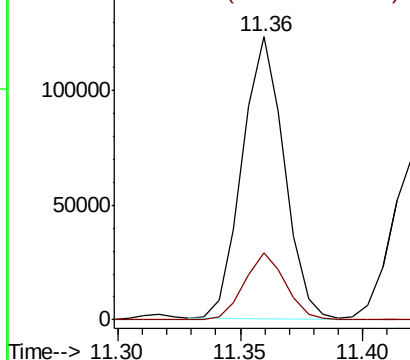
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5

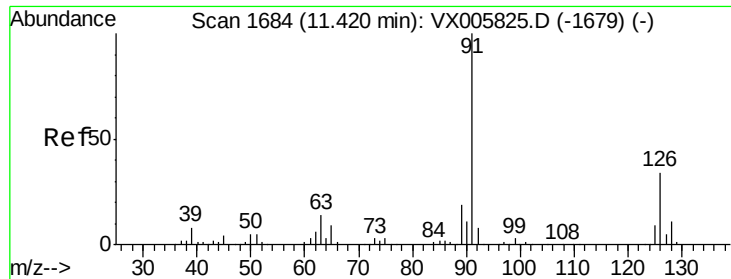


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





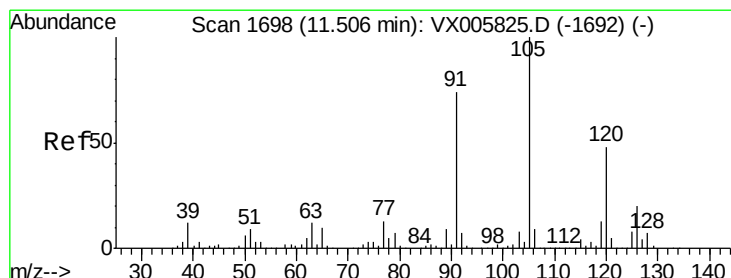
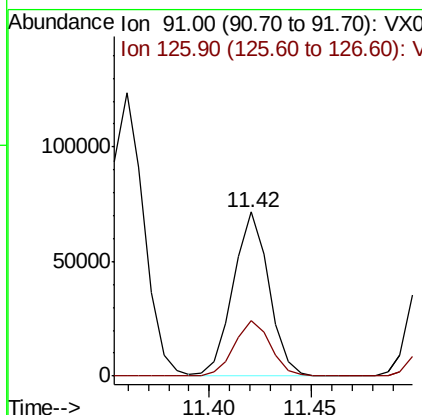
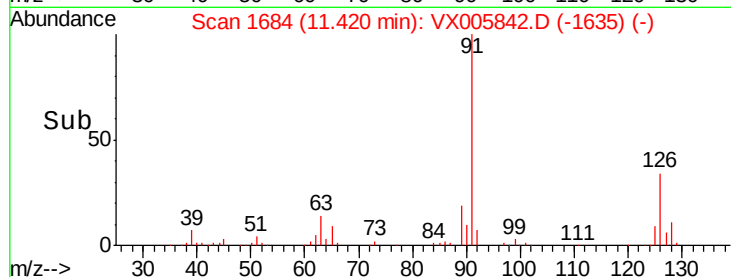
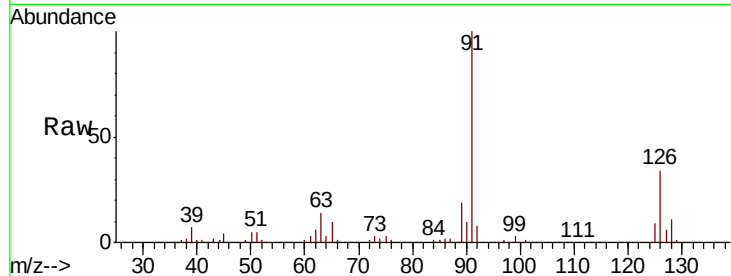
#79
 2-Chlorotoluene
 Concen: 25.069 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion: 91 Resp: 86176
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.3 52.0

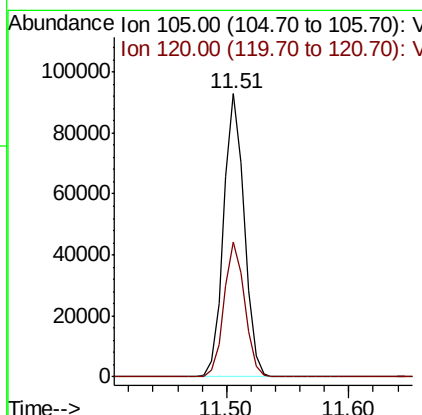
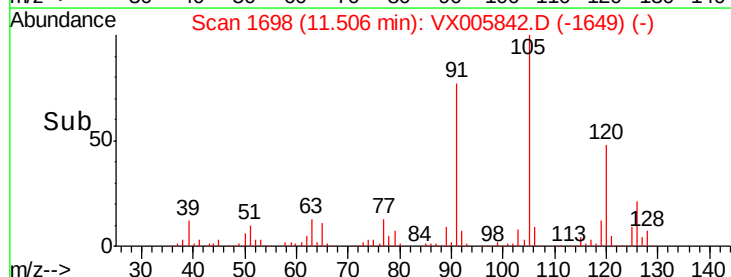
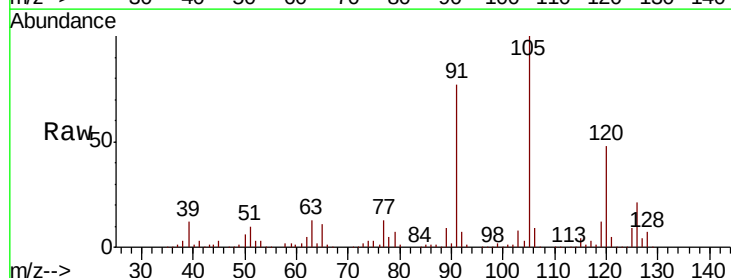
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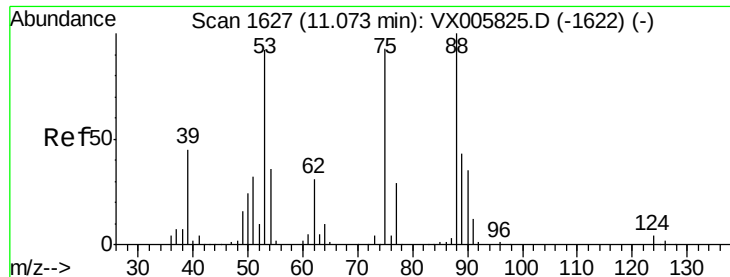
MMDadoda
 11/9/2018 11:37:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 26.472 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion: 105 Resp: 108555
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 24.144 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBS01

Tot Ion: 75 Resp: 12872

Ion Ratio Lower Upper

75 100

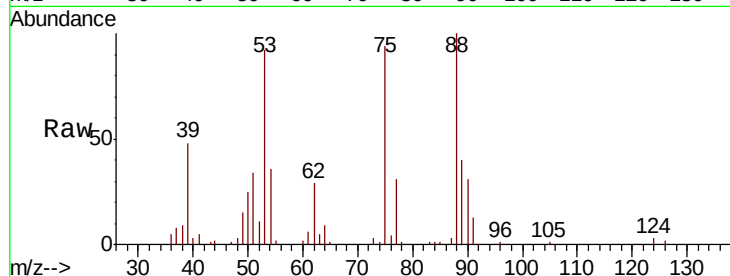
53 100.7 80.2 120.2

89 46.2 39.8 59.8

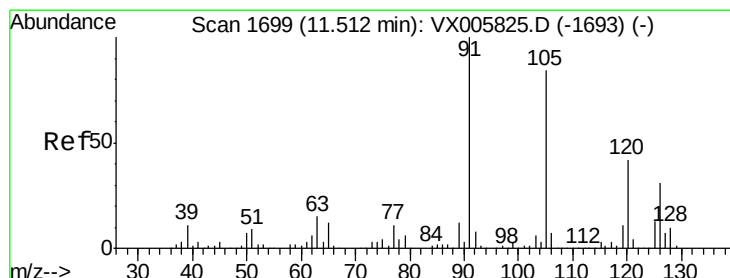
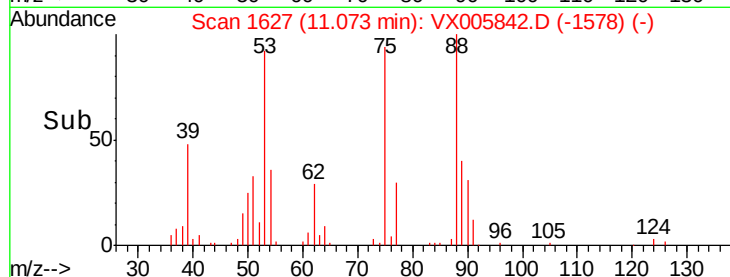
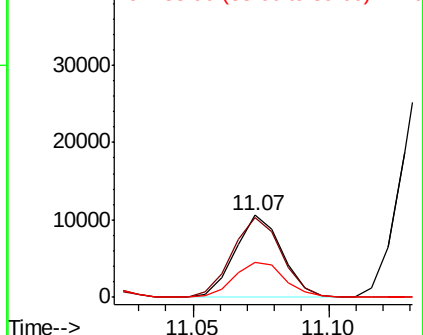
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 25.538 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005842.D

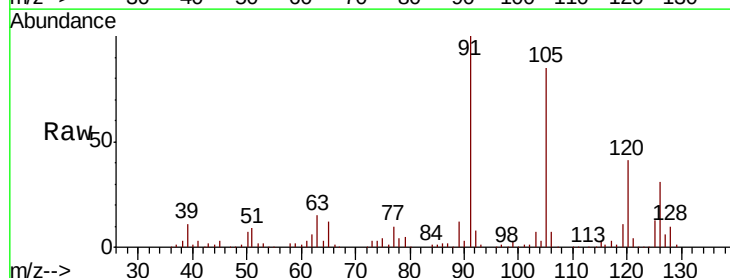
Acq: 08 Nov 2018 13:16

Tgt Ion: 91 Resp: 103459

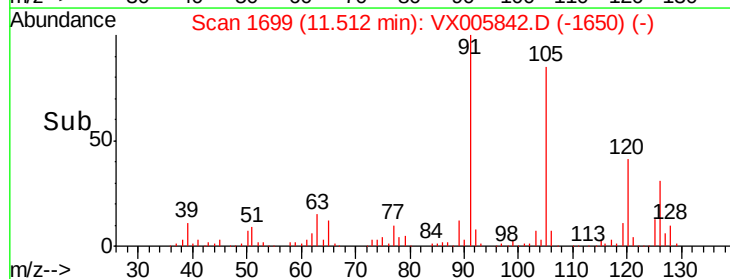
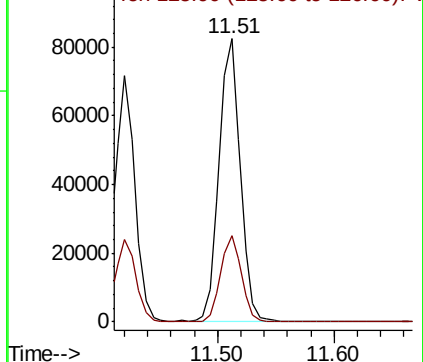
Ion Ratio Lower Upper

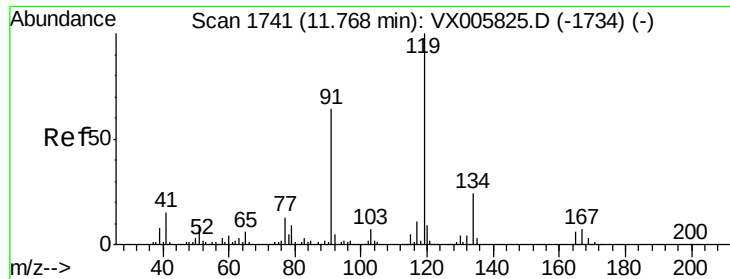
91 100

126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





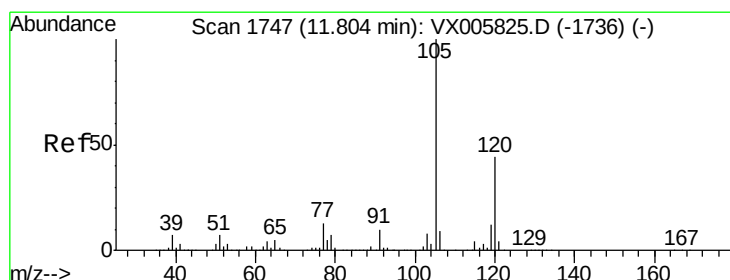
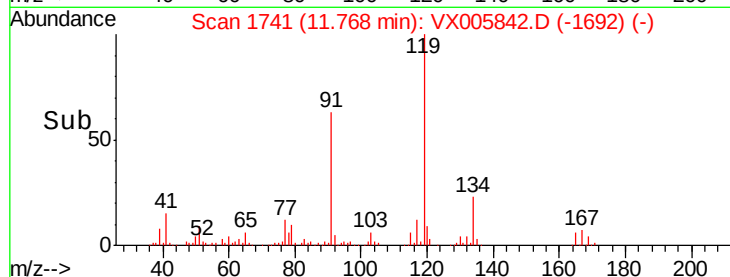
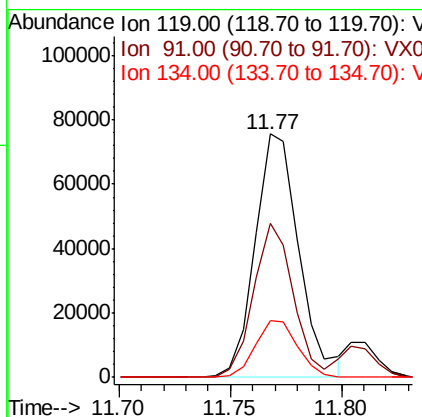
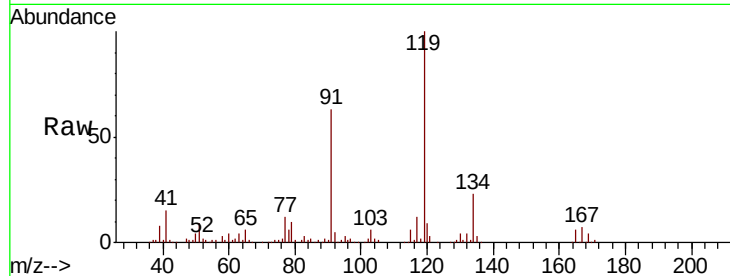
#83
 tert-Butylbenzene
 Concen: 25.013 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	28.5	85.5
134	22.4	11.3	33.8

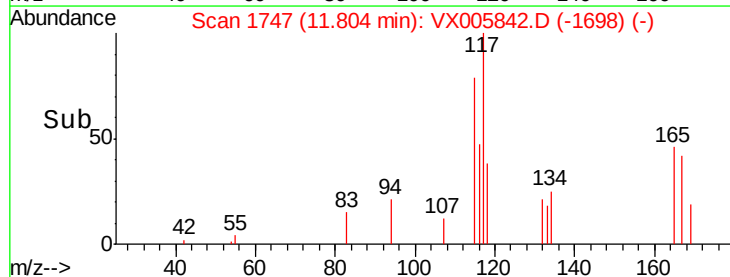
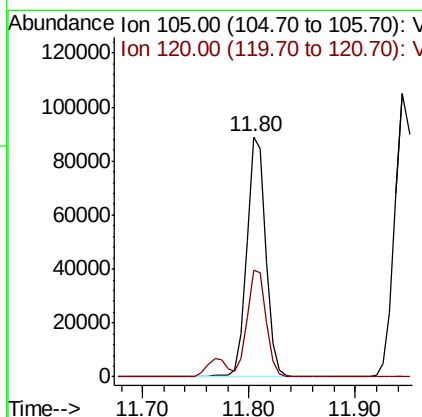
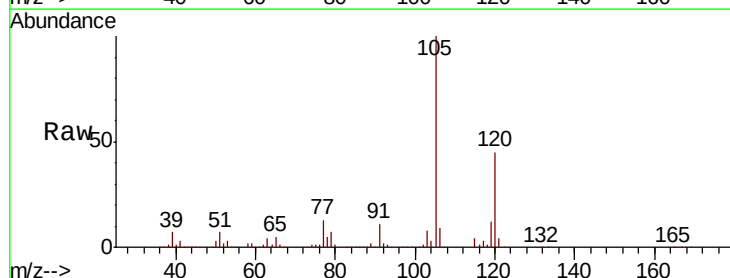
Manual Integrations
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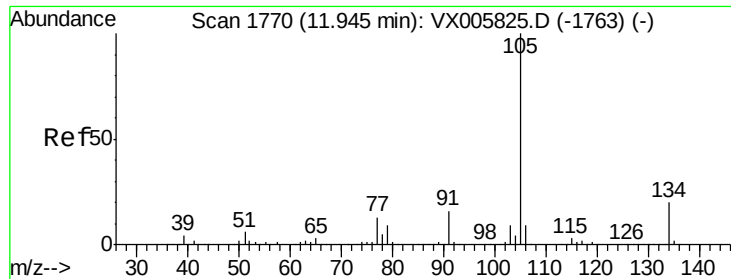
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 11/9/2018 11:37:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 24.489 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 25.098 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VX1108WBS01

Tot Ion:105 Resp: 127325

Ion Ratio Lower Upper

105 100

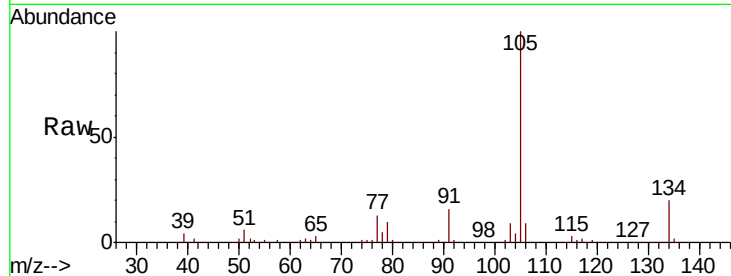
134 20.1 10.2 30.4

Manual Integrations

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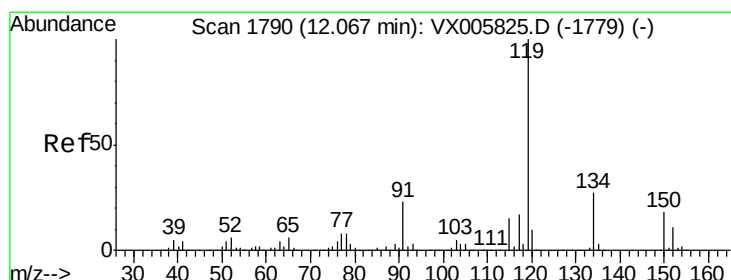
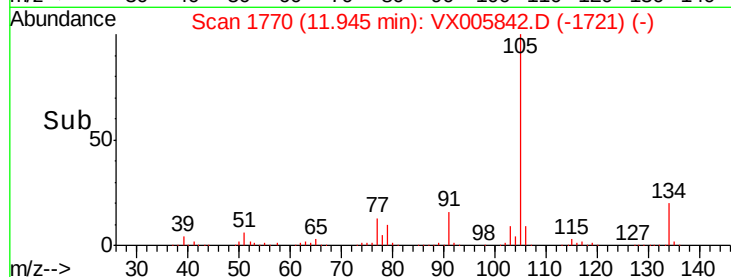
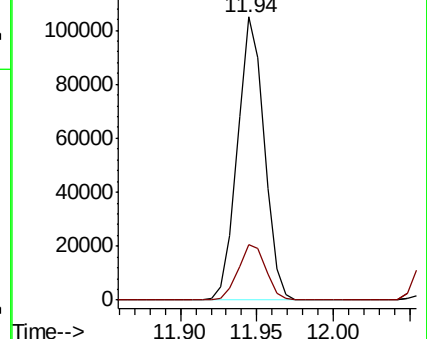
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 25.820 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

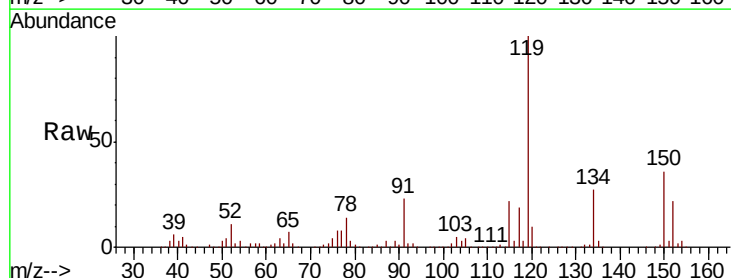
Tgt Ion:119 Resp: 116030

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

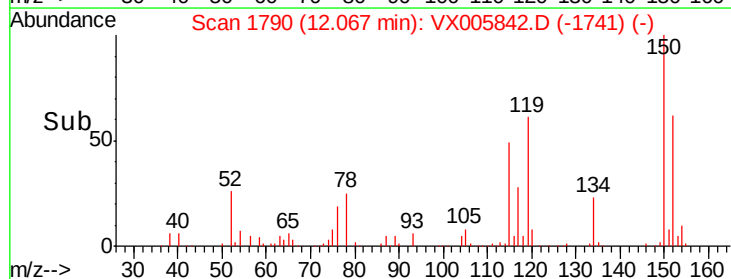
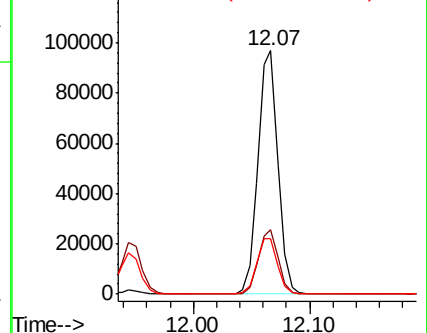
91 23.4 11.4 34.2

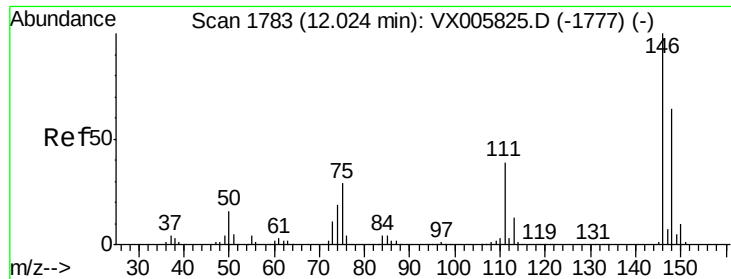


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





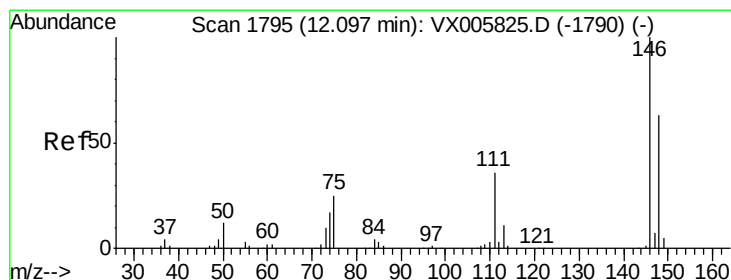
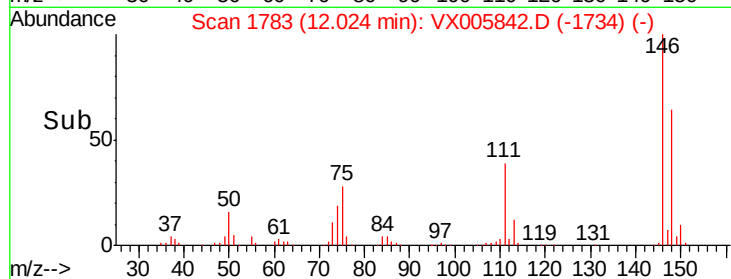
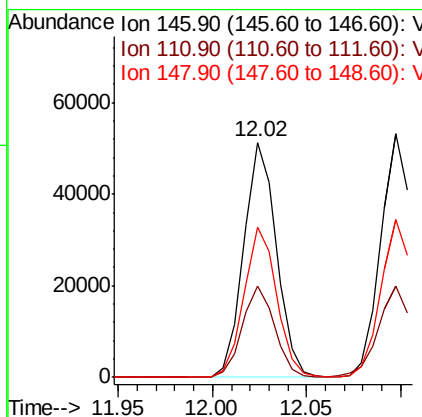
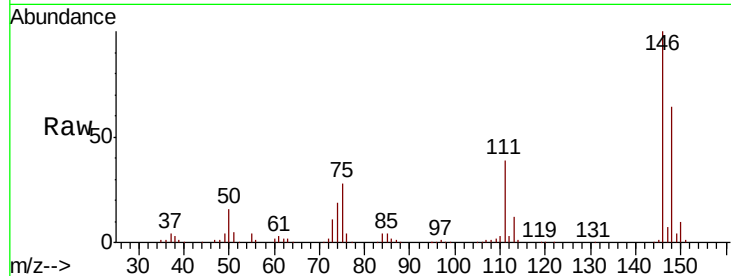
#87
 1,3-Dichlorobenzene
 Concen: 23.772 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	63.9	31.9	95.9

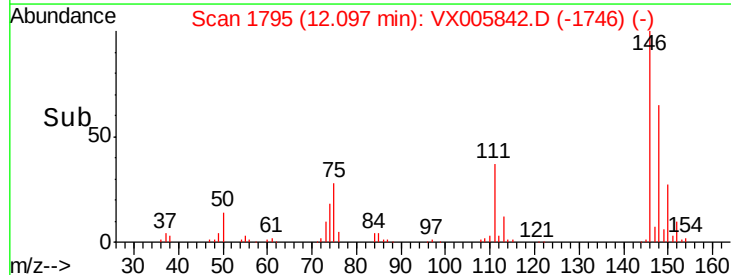
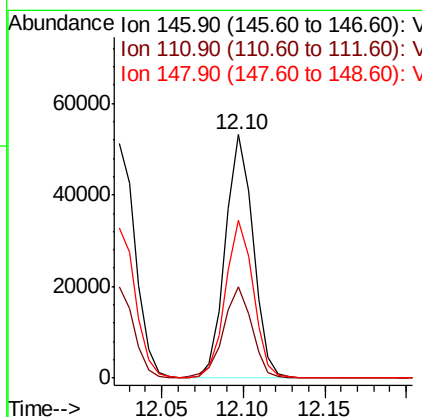
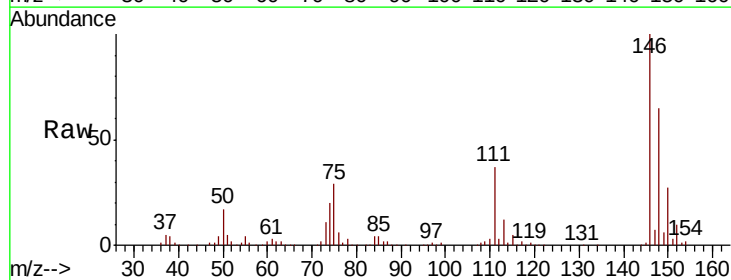
Manual Integrations
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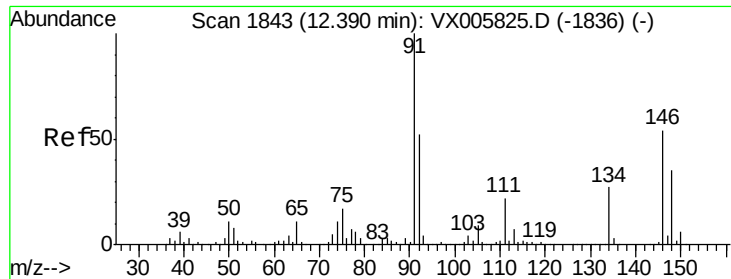
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#88
 1,4-Dichlorobenzene
 Concen: 23.676 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	64.6	32.1	96.3





#89

n-Butylbenzene

Concen: 24.549 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Instrument :

MSVOA_X

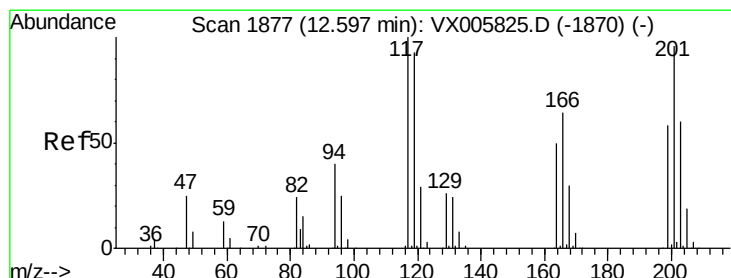
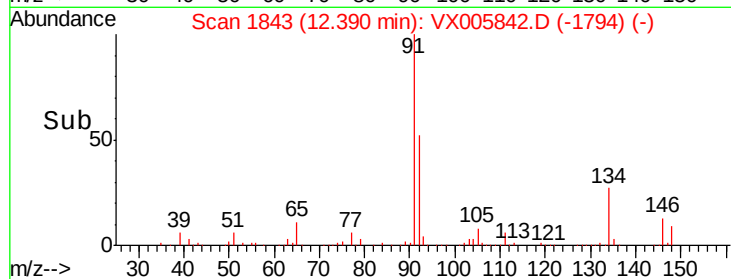
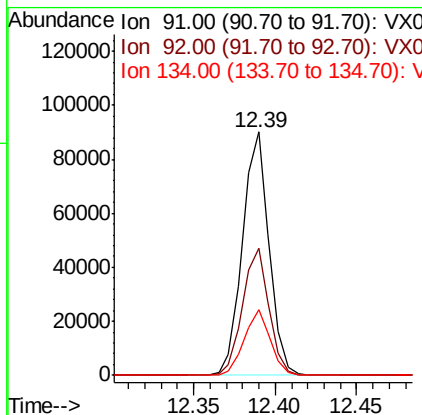
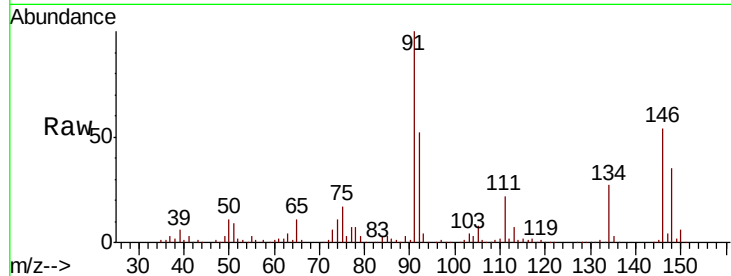
ClientSampleId :

VX1108WBS01

Tot Ion:	91	Resp:	102241
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.1	78.2
134	26.4	13.1	39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 24.830 ug/l

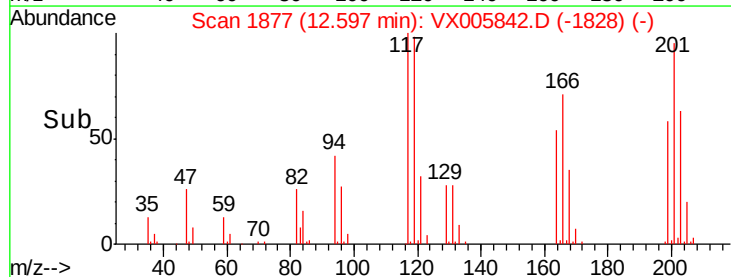
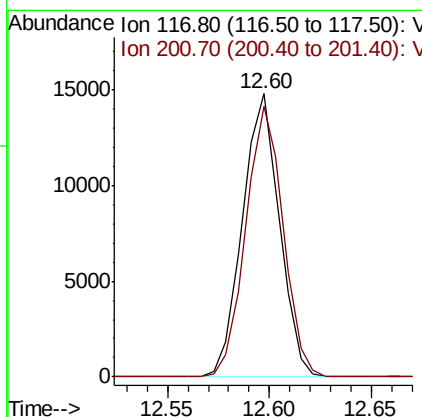
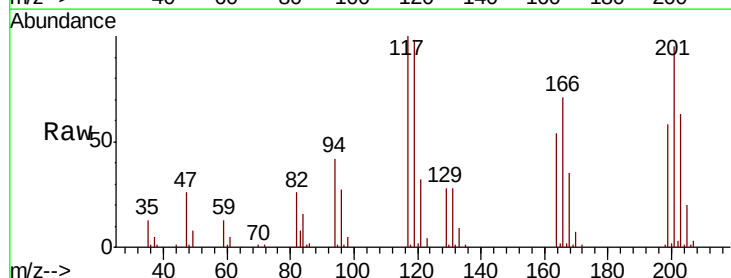
RT: 12.60 min Scan# 1877

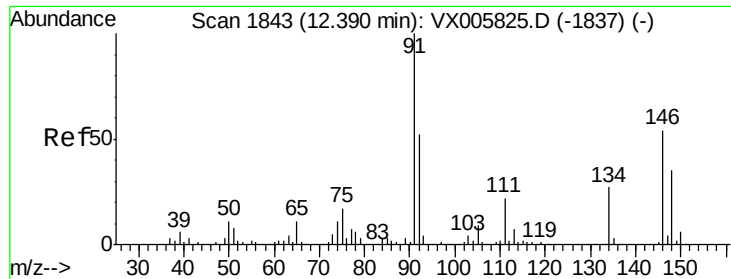
Delta R.T. -0.00 min

Lab File: VX005842.D

Acq: 08 Nov 2018 13:16

Tgt Ion:	117	Resp:	18629
Ion Ratio	Lower	Upper	
117	100		
201	96.5	47.9	143.6





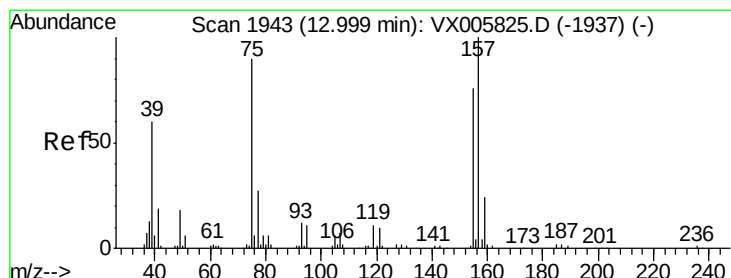
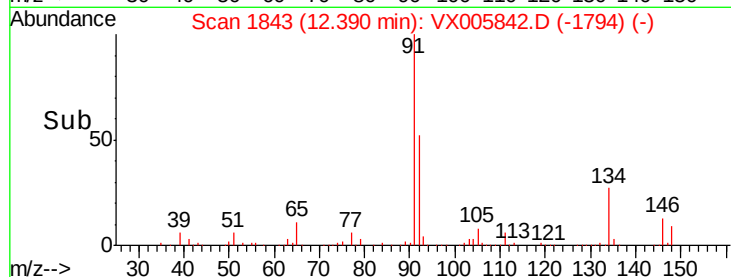
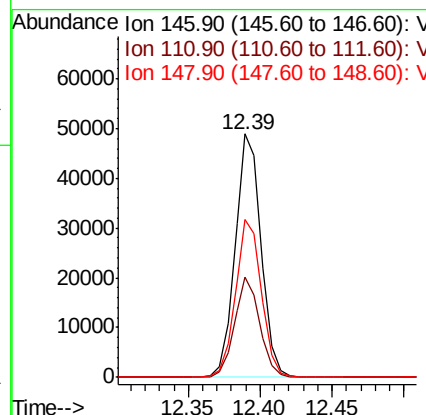
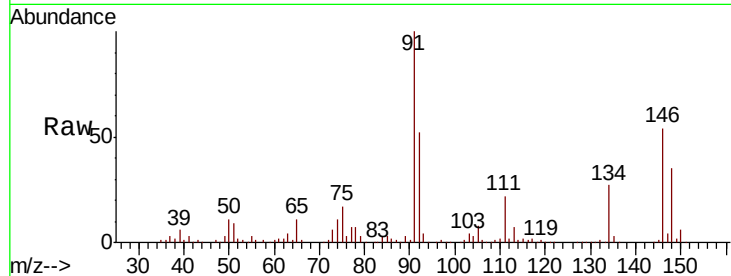
#91
 1,2-Dichlorobenzene
 Concen: 23.549 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.6	32.2	96.6

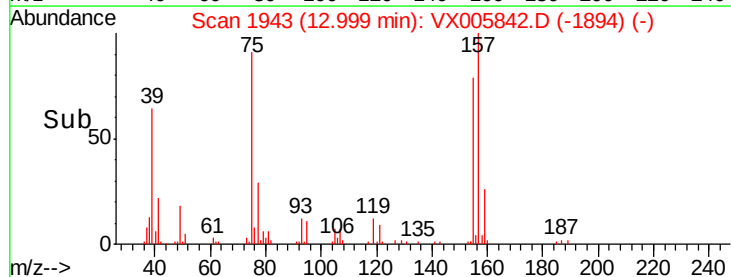
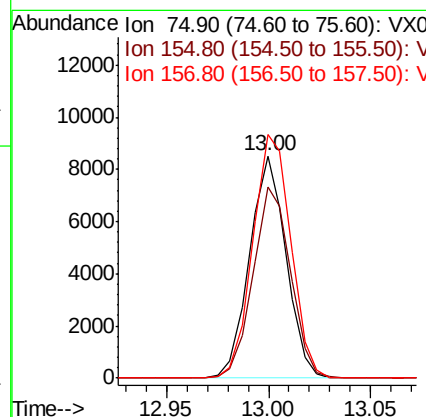
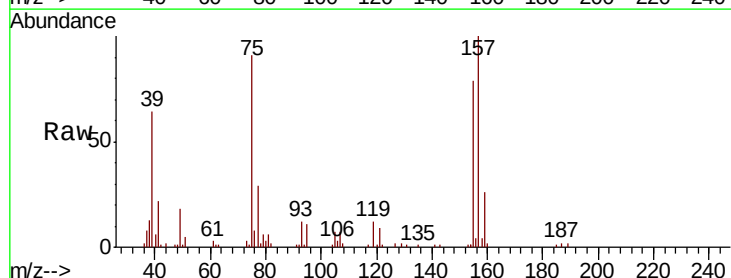
Manual Integrations
 APPROVED

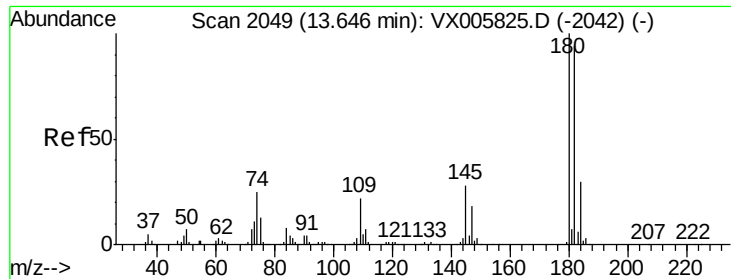
MMDadoda
 11/9/2018 11:37:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.434 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.4	136.1
157	114.6	57.4	172.0





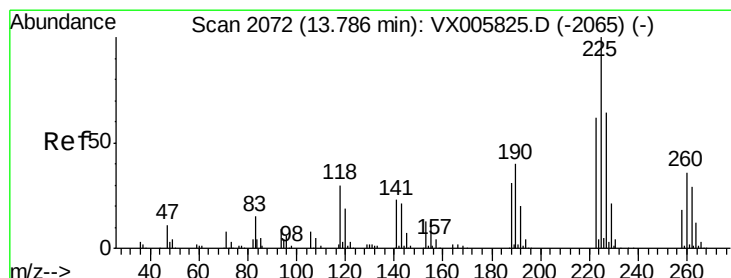
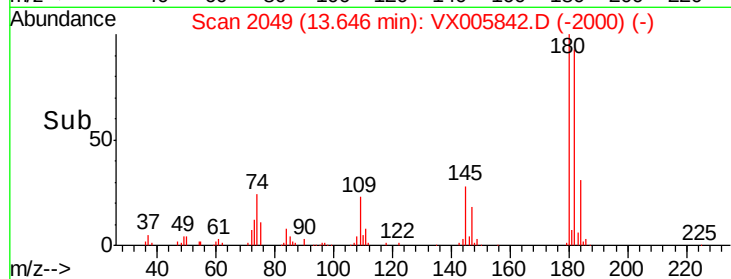
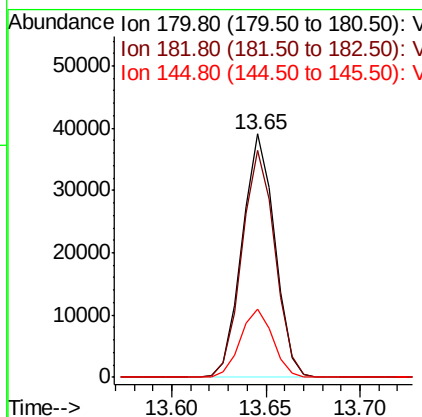
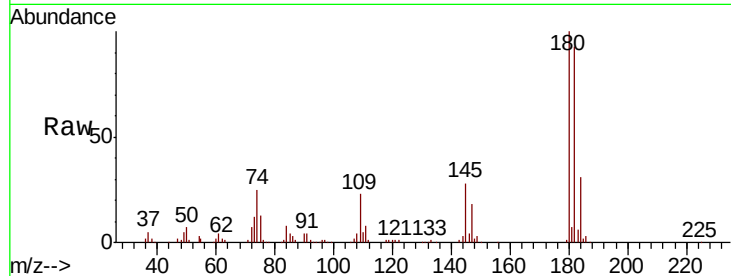
#93
 1,2,4-Trichlorobenzene
 Concen: 25.556 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	28.1	14.1	42.2

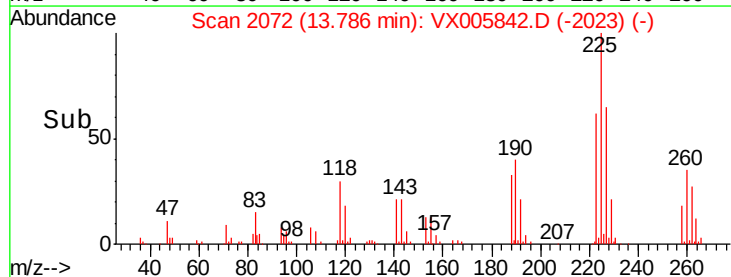
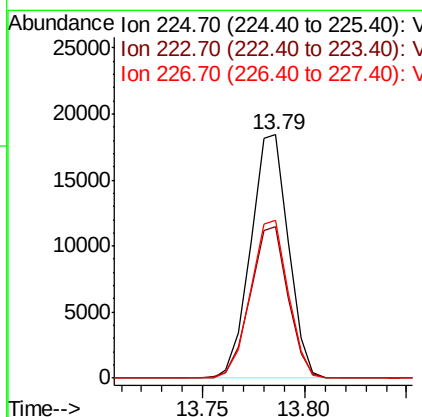
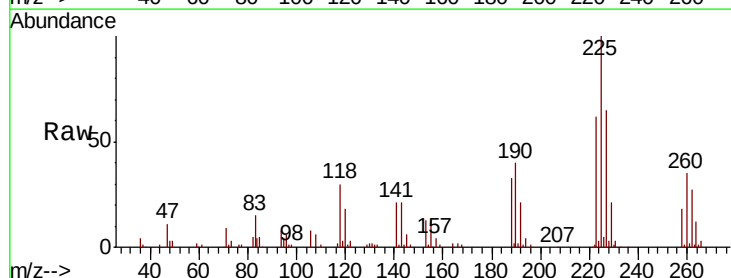
Manual Integrations
 APPROVED

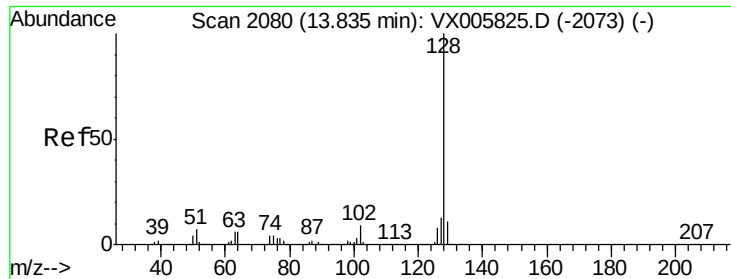
MMDadoda
 11/9/2018 11:37:05 AM



#94
 Hexachlorobutadiene
 Concen: 24.472 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005842.D
 Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.7	95.1
227	64.5	32.3	96.9





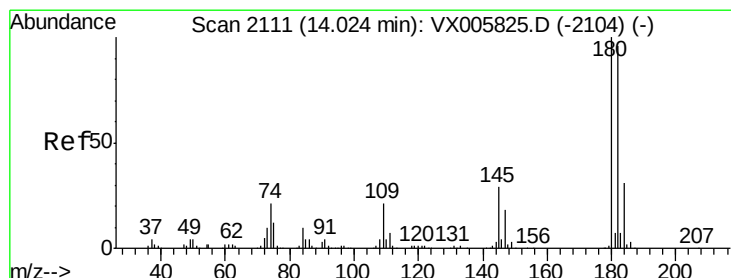
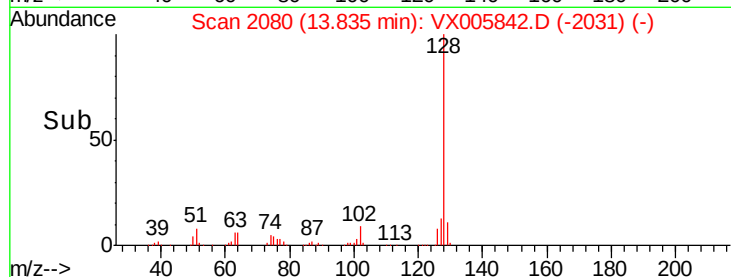
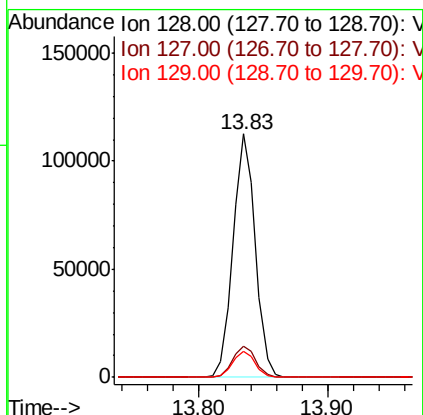
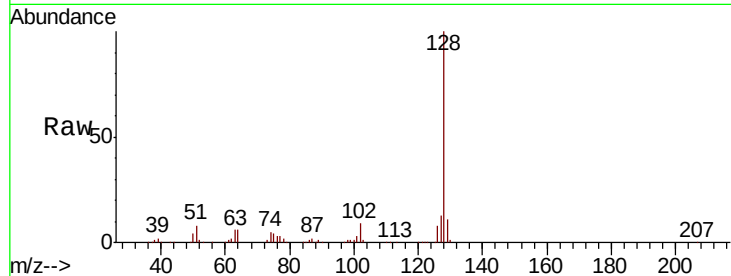
#95
Naphthalene
Concen: 23.299 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:37:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 25.085 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005842.D
Acq: 08 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.0	144.2
145	30.6	15.1	45.3

