

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012521\
 Data File : VX020728.D
 Acq On : 25 Jan 2021 16:36
 Operator : JC/SP
 Sample : M1192-05DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41046DL

Quant Time: Jan 27 11:54:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

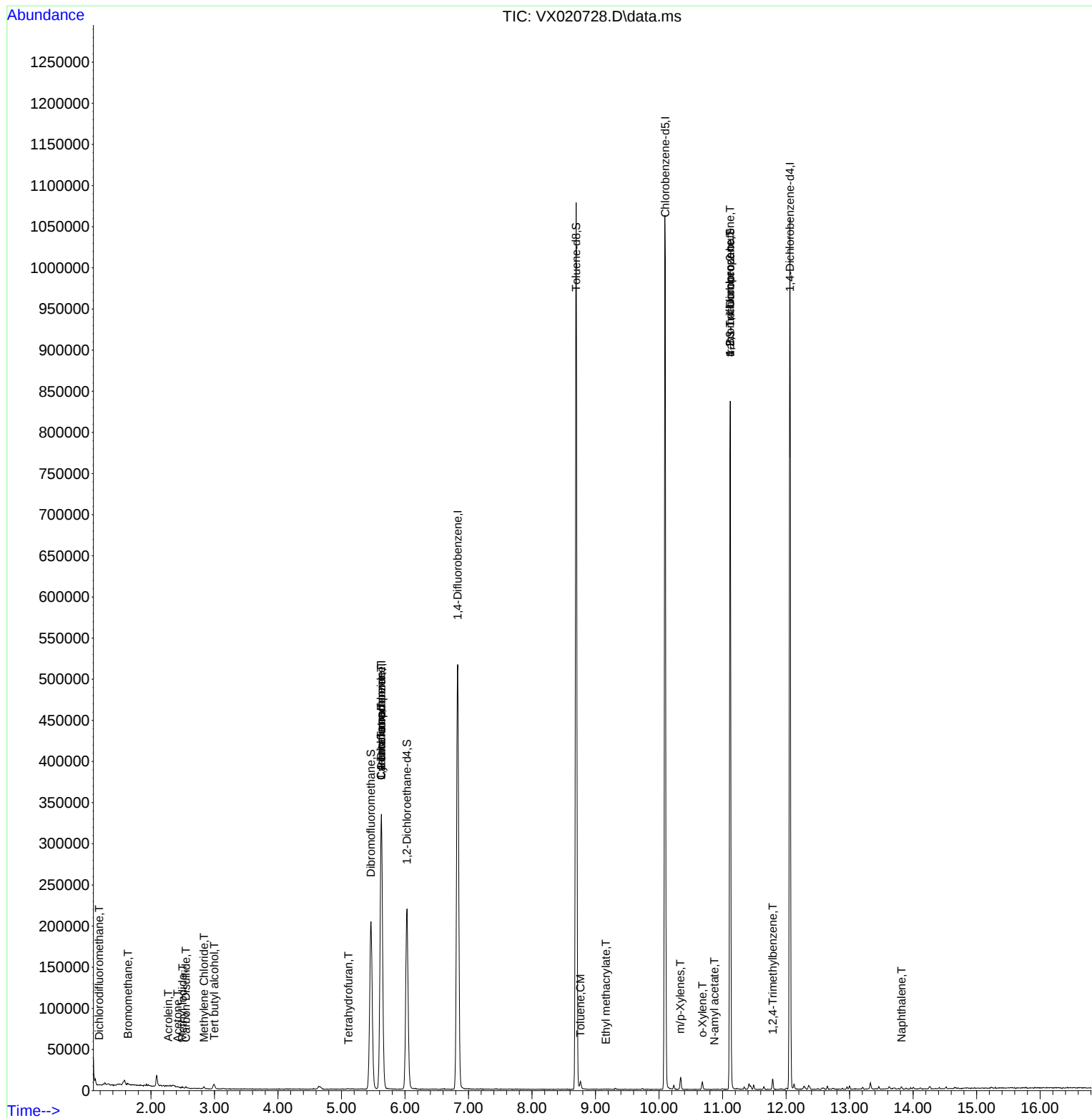
Internal Standards						
1) Pentafluorobenzene	5.629	168	304626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	524981	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	494772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	213879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	208804	50.25	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.50%			
35) Dibromofluoromethane	5.464	113	178630	49.68	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.36%			
50) Toluene-d8	8.695	98	651993	49.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.92%			
62) 4-Bromofluorobenzene	11.122	95	229150	44.76	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.52%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	176	1.23	ug/l	93
5) Bromomethane	1.636	94	762	0.37	ug/l	84
10) Methyl Iodide	2.495	142	1162	0.28	ug/l #	86
11) Tert butyl alcohol	2.995	59	3617	4.66	ug/l #	77
13) Acrolein	2.270	56	231	0.39	ug/l #	65
16) Acetone	2.416	43	1546	0.98	ug/l	96
17) Carbon Disulfide	2.550	76	1877	1.10	ug/l #	94
20) Methylene Chloride	2.837	84	1072	0.27	ug/l #	83
29) Tetrahydrofuran	5.111	42	598	0.38	ug/l #	39
31) Cyclohexane	5.623	56	6416	1.15	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	24222	4.60	ug/l #	49
38) Carbon Tetrachloride	5.623	117	32135	5.80	ug/l #	18
52) Toluene	8.763	92	2901	0.30	ug/l	99
56) Ethyl methacrylate	9.165	69	21	2.79	ug/l #	29
68) m/p-Xylenes	10.335	106	3292	0.48	ug/l	92
69) o-Xylene	10.683	106	1990	0.31	ug/l	91
74) N-amyl acetate	10.872	43	92	2.03	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	113330	22.85	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	113330	64.02	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.792	105	5518	0.41	ug/l	88
95) Naphthalene	13.817	128	2044	2.99	ug/l #	96

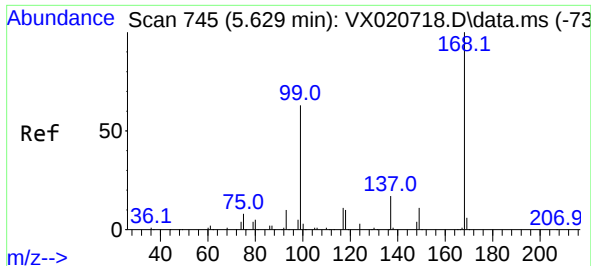
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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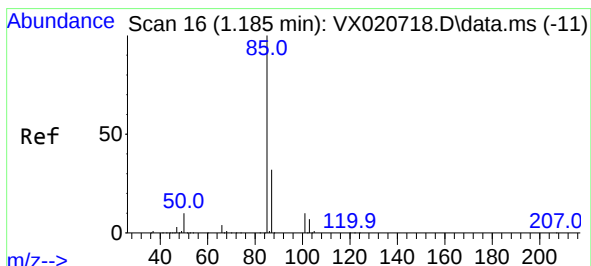
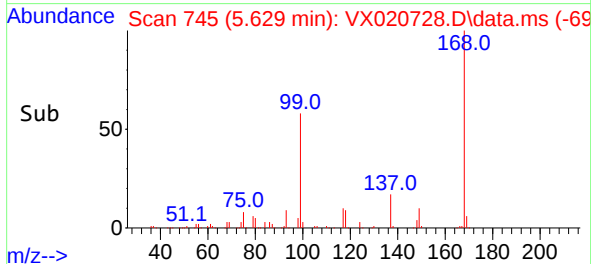
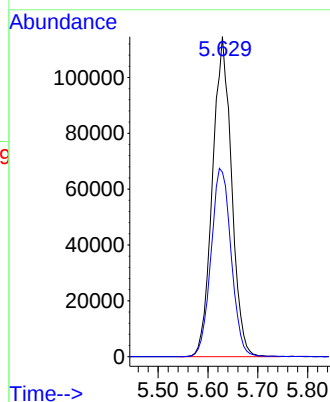
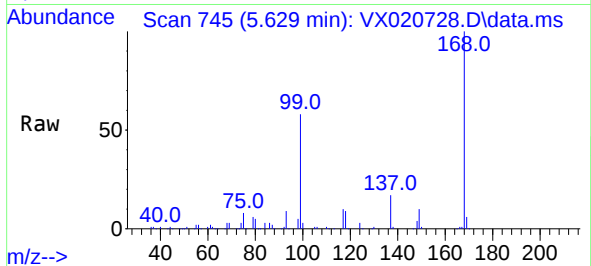




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

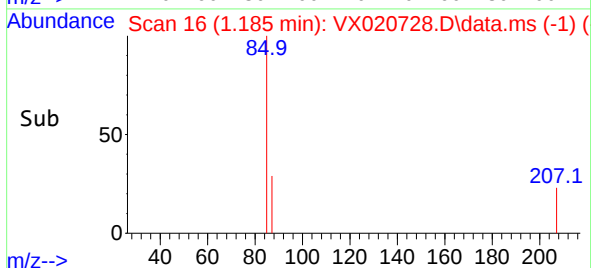
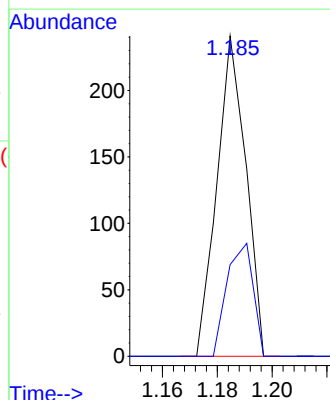
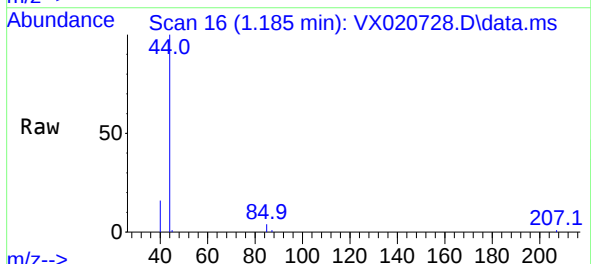
Instrument :
MSVOA_X
ClientSampleID :
41046DL

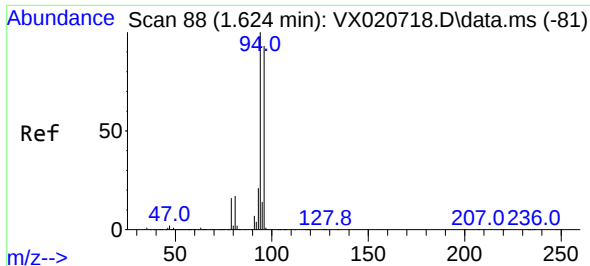
Tgt Ion:168 Resp: 304626
Ion Ratio Lower Upper
168 100
99 57.7 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.23 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 85 Resp: 176
Ion Ratio Lower Upper
85 100
87 28.6 16.4 49.2

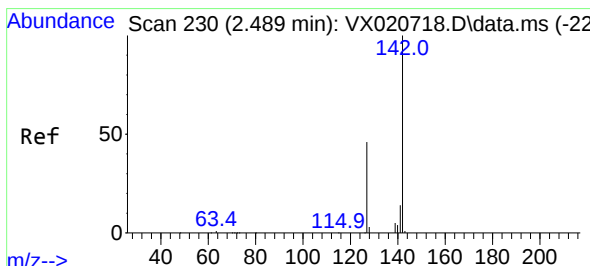
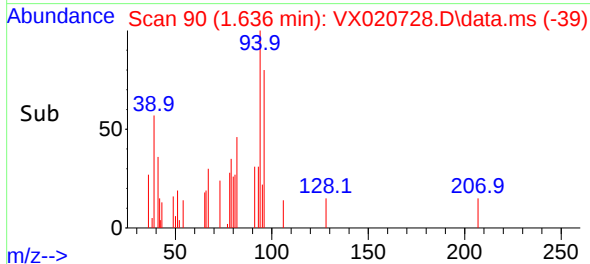
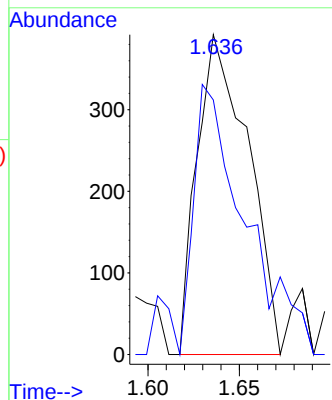
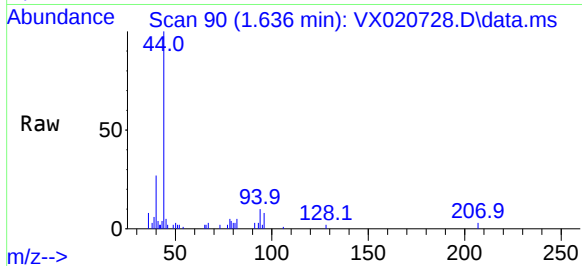




#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

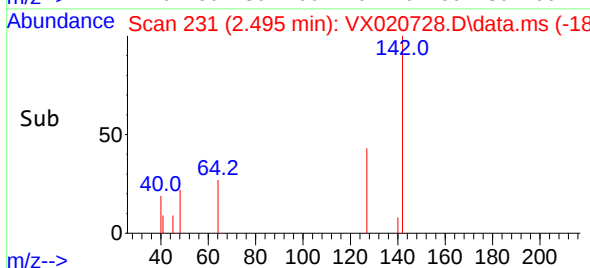
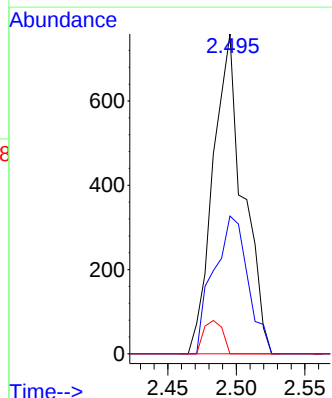
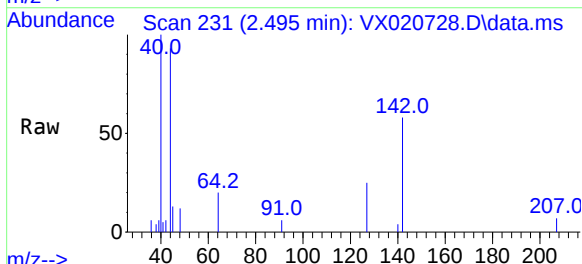
Instrument :
MSVOA_X
ClientSampled :
41046DL

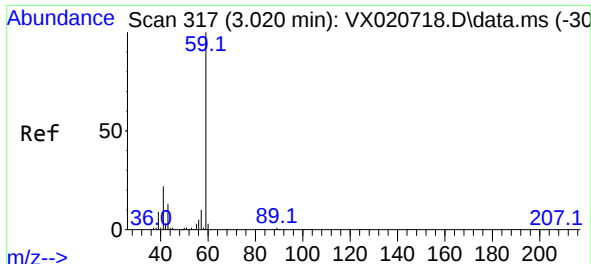
Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 79.6 76.4 114.6



#10
Methyl Iodide
Concen: 0.28 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 142 Resp: 1162
Ion Ratio Lower Upper
142 100
127 49.1 33.3 49.9
141 6.5 11.4 17.0#



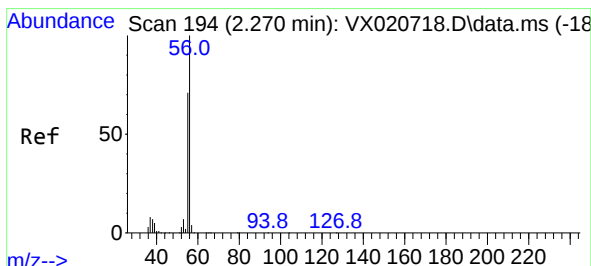
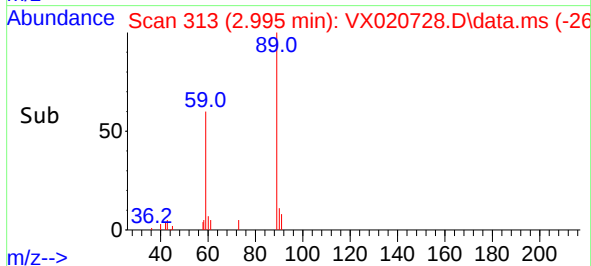
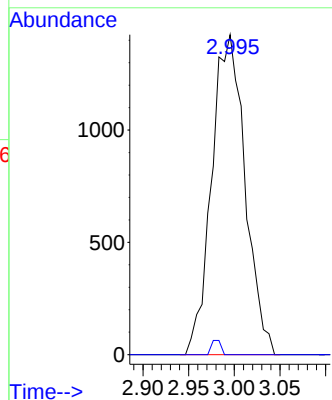
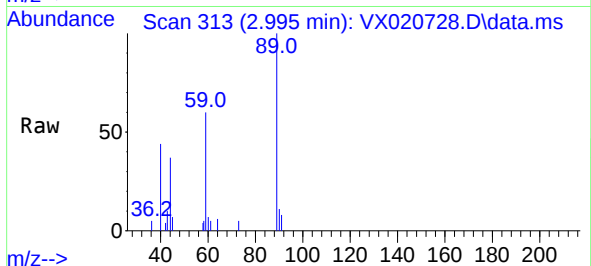


#11

Tert butyl alcohol
Concen: 4.66 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Instrument :
MSVOA_X
ClientSampleId :
41046DL

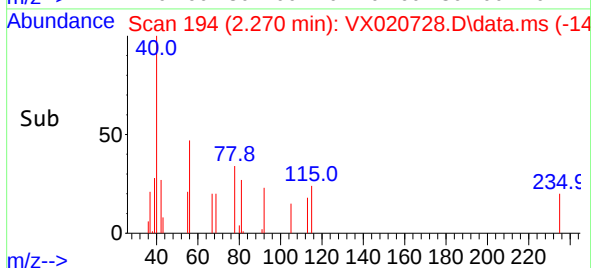
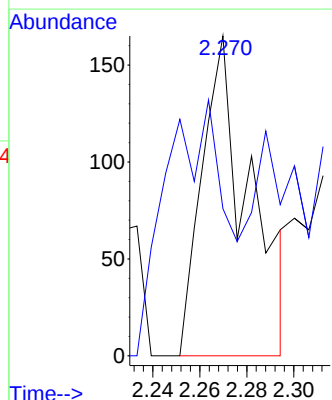
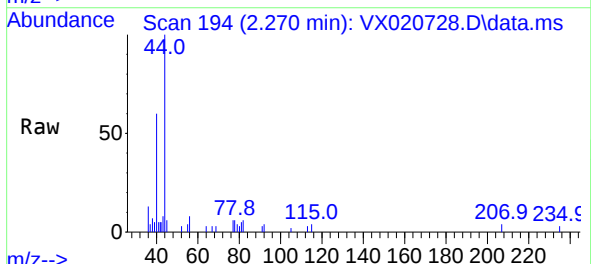
Tgt Ion: 59 Resp: 3617
Ion Ratio Lower Upper
59 100
57 1.3 7.8 11.8#

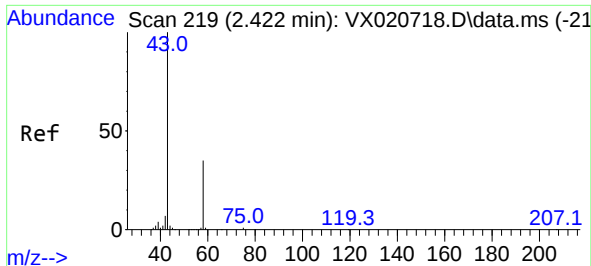


#13

Acrolein
Concen: 0.39 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 99.6 56.4 84.6#

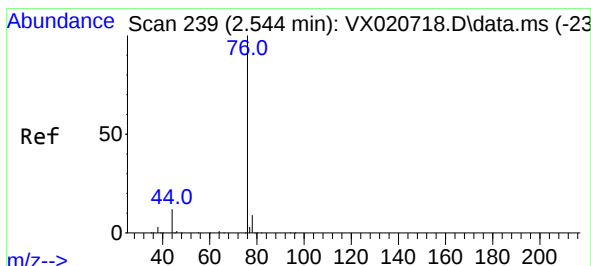
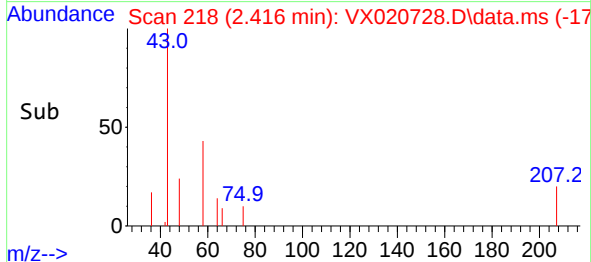
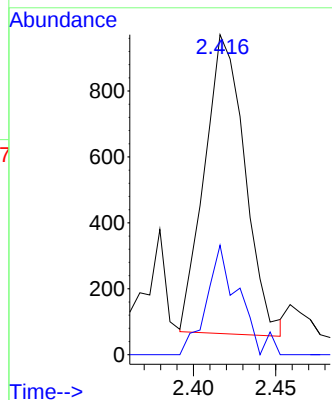
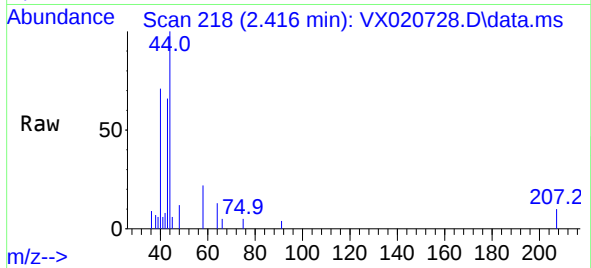




#16
Acetone
Concen: 0.98 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

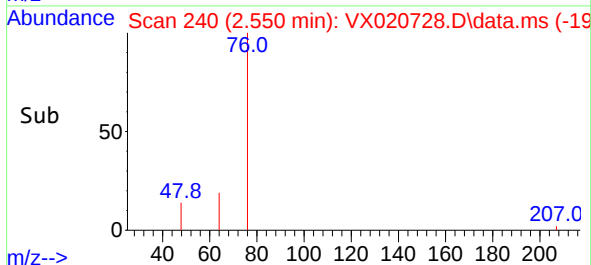
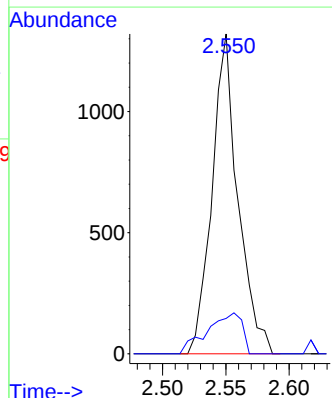
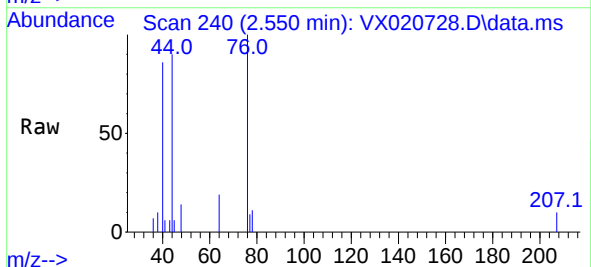
Instrument :
MSVOA_X
ClientSampleID :
41046DL

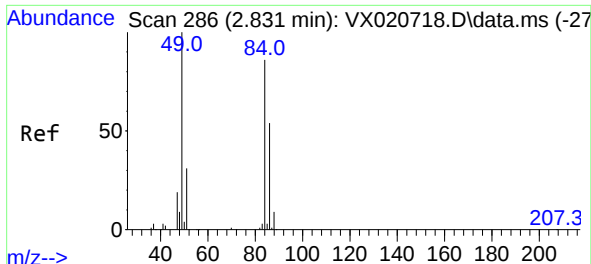
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 37.1 27.8 41.8



#17
Carbon Disulfide
Concen: 1.10 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 76 Resp: 1877
Ion Ratio Lower Upper
76 100
78 11.1 7.2 10.8#



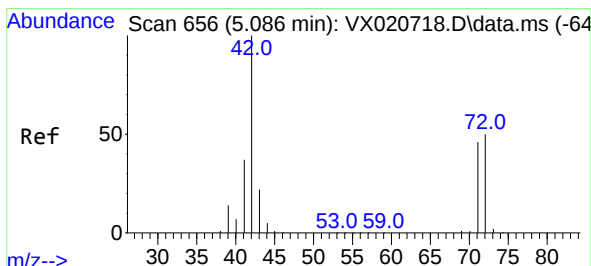
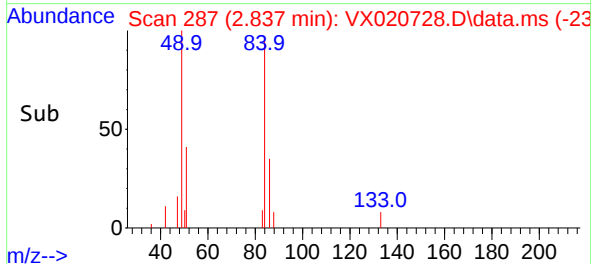
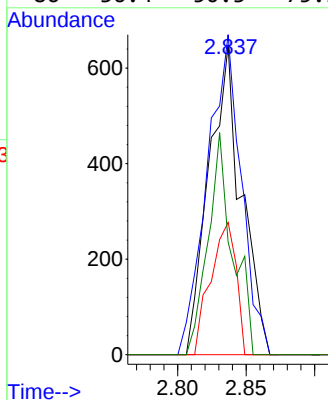
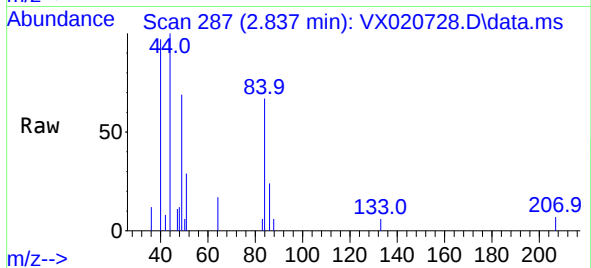


#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Instrument :
MSVOA_X
ClientSampleId :
41046DL

Tgt Ion: 84 Resp: 1072

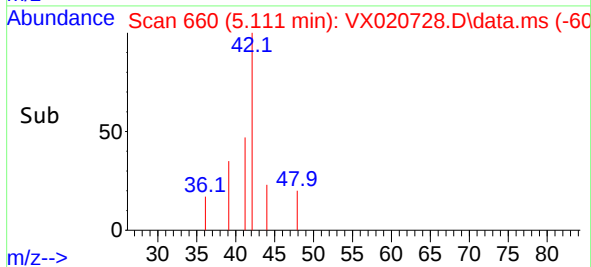
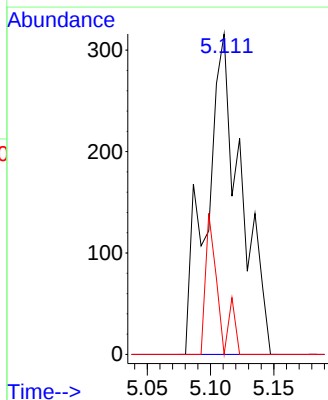
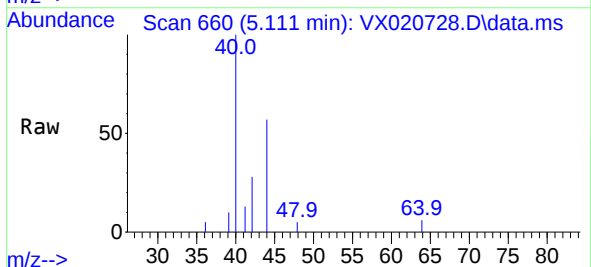
Ion	Ratio	Lower	Upper
84	100		
49	103.2	88.6	132.8
51	42.7	27.0	40.6#
86	36.4	50.3	75.5#

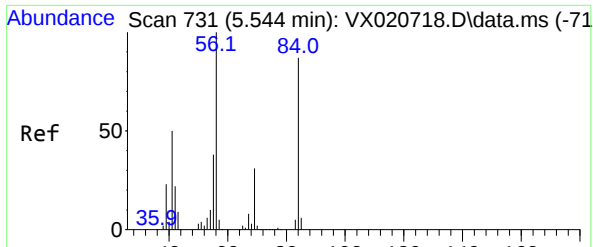


#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.025 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 42 Resp: 598

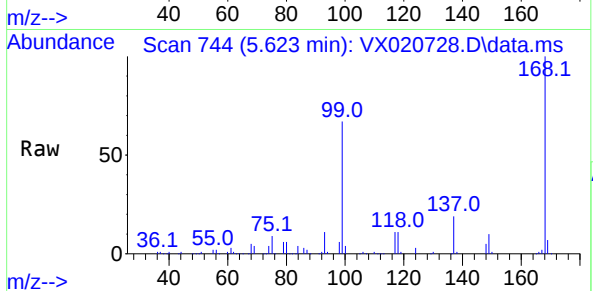
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	16.6	38.4	57.6#



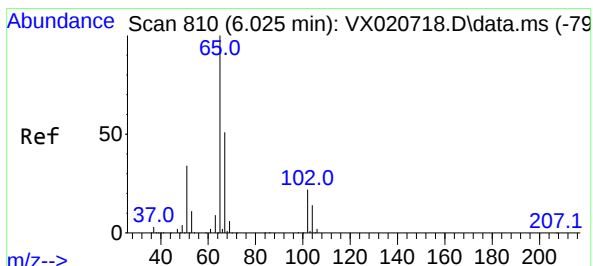
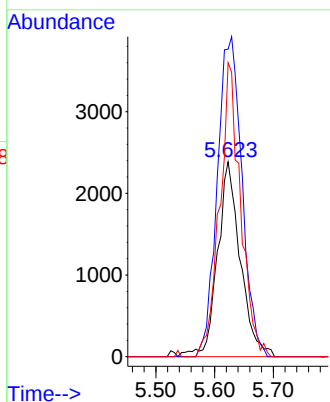
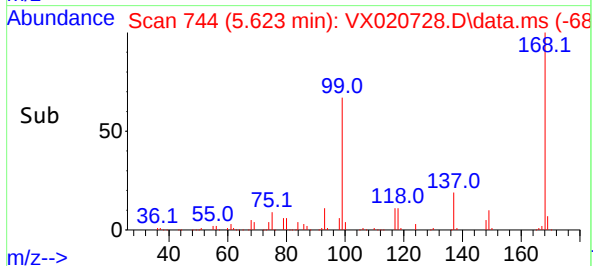


#31
Cyclohexane
Concen: 1.15 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

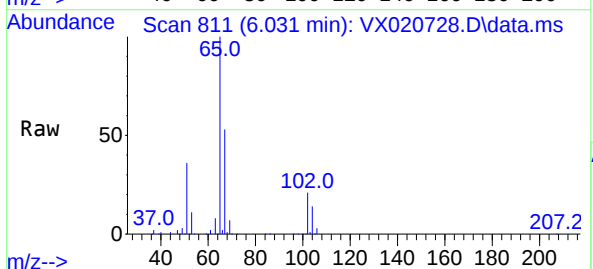
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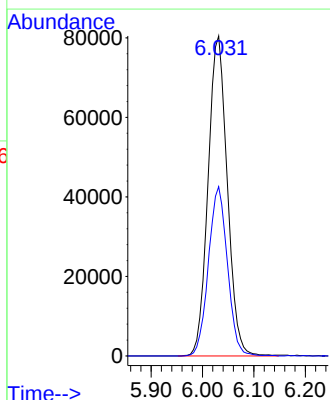
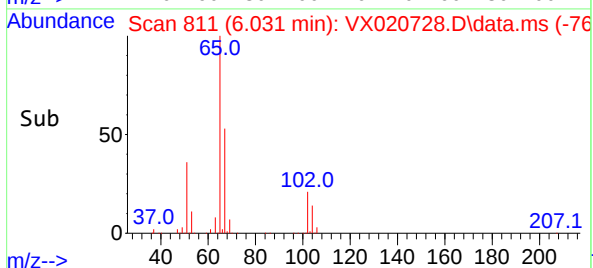
Tgt Ion: 56 Resp: 6416
Ion Ratio Lower Upper
56 100
69 157.8 25.3 37.9#
84 150.9 71.4 107.0#

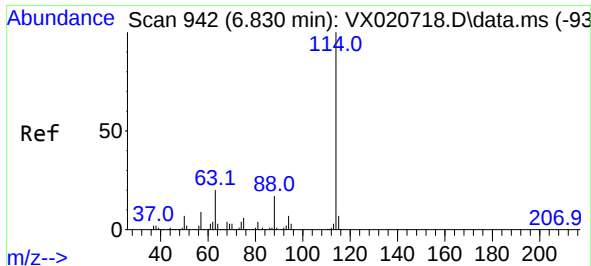


#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36



Tgt Ion: 65 Resp: 208804
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX020728.D

Acq: 25 Jan 2021 16:36

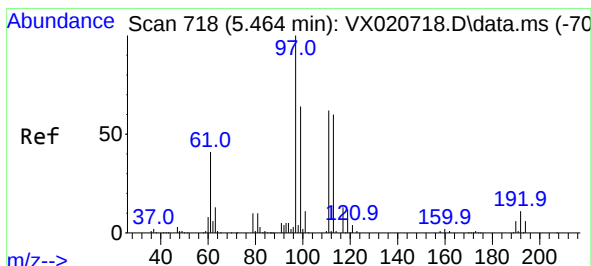
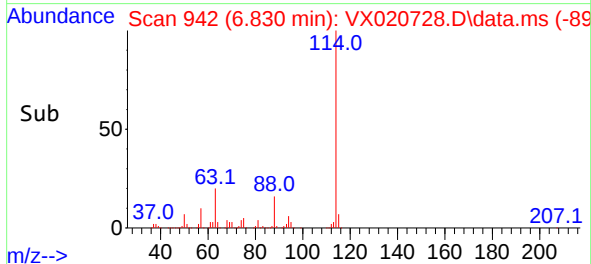
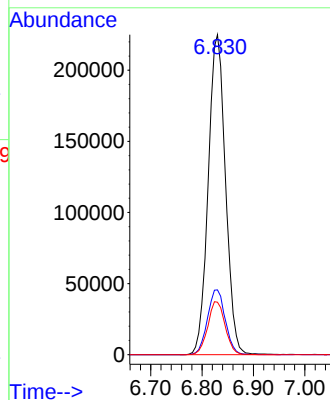
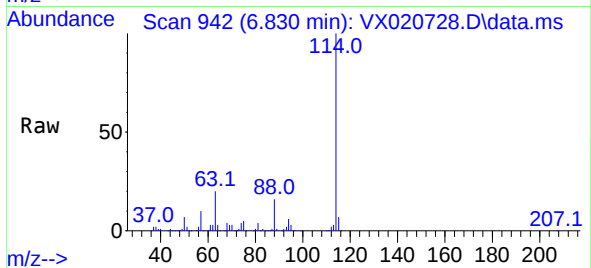
Tgt Ion:114 Resp: 524981

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.68 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX020728.D

Acq: 25 Jan 2021 16:36

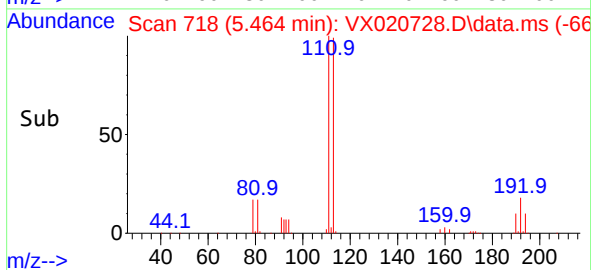
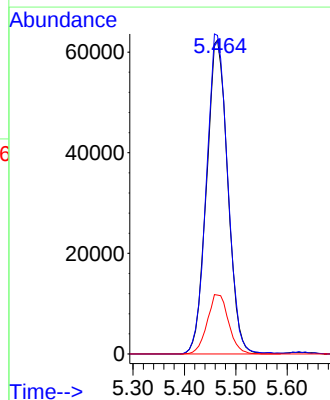
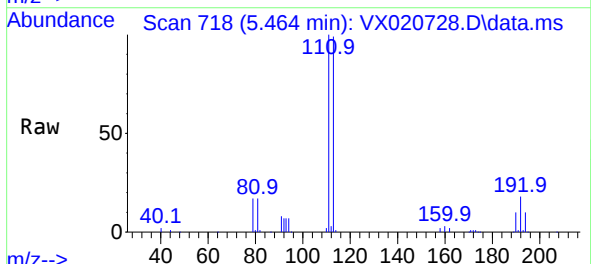
Tgt Ion:113 Resp: 178630

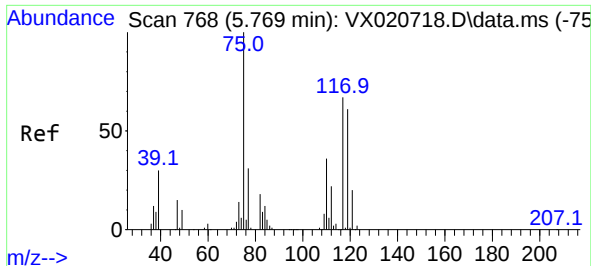
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 19.0 16.7 25.1

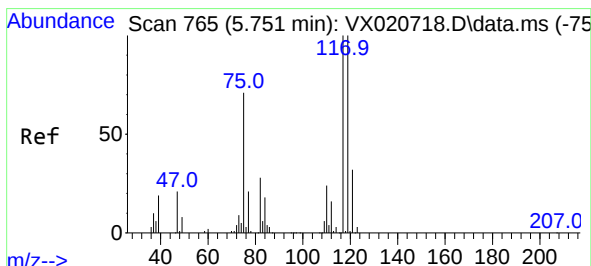
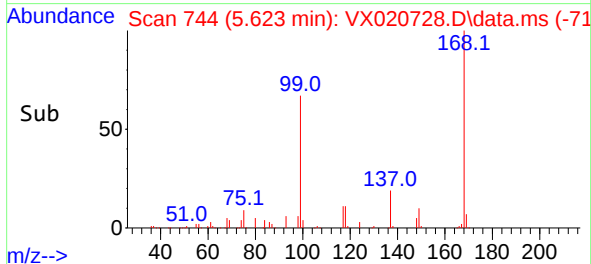
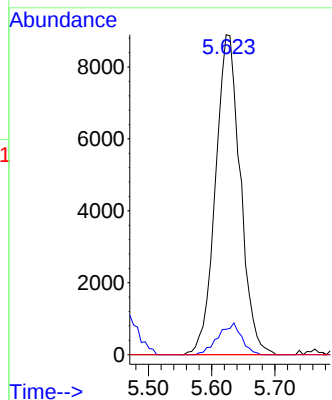
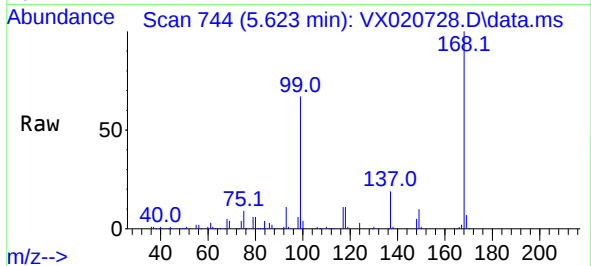




#36
1,1-Dichloropropene
Concen: 4.60 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

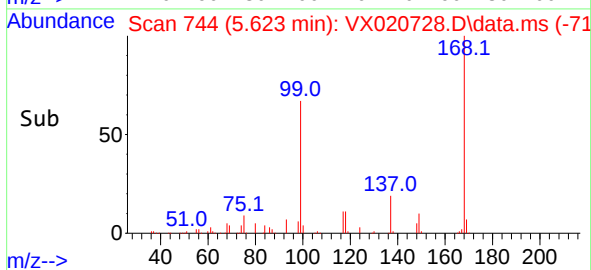
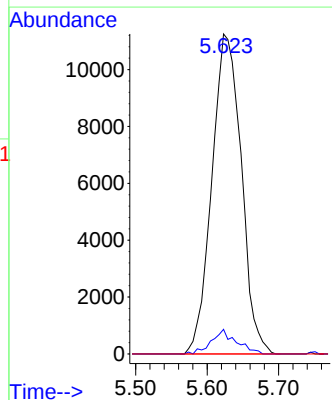
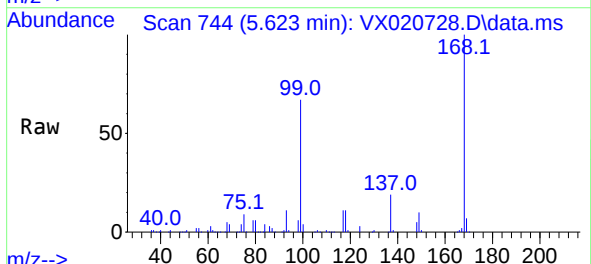
Instrument :
MSVOA_X
ClientSampleId :
41046DL

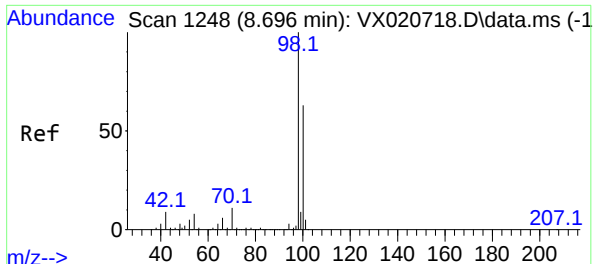
Tgt Ion: 75 Resp: 24222
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 117 Resp: 32135
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.2#
121 0.0 24.8 37.2#

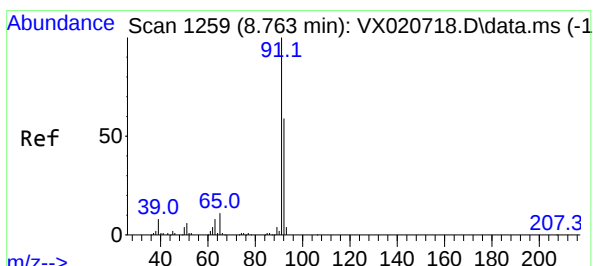
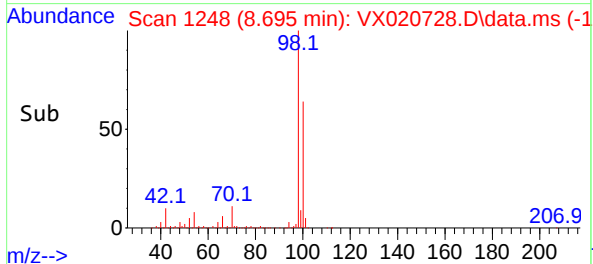
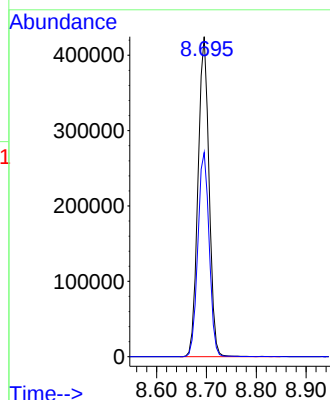
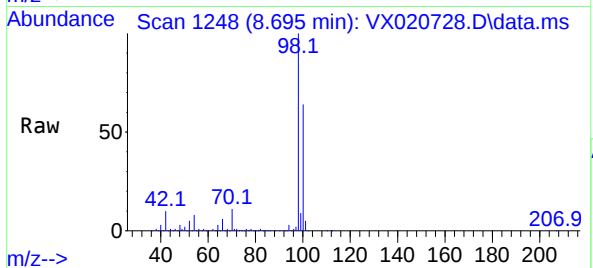




#50
Toluene-d8
Concen: 49.46 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

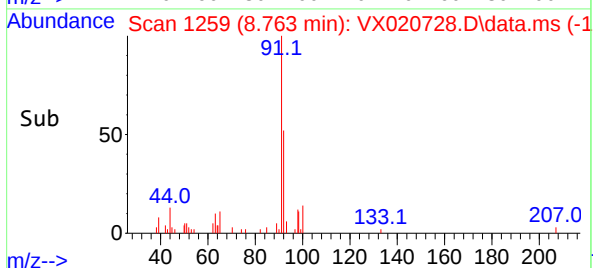
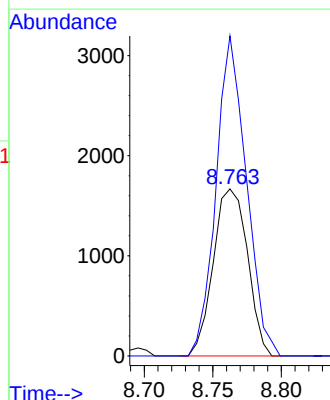
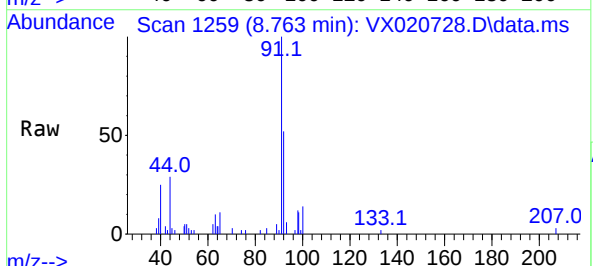
Instrument :
MSVOA_X
ClientSampleId :
41046DL

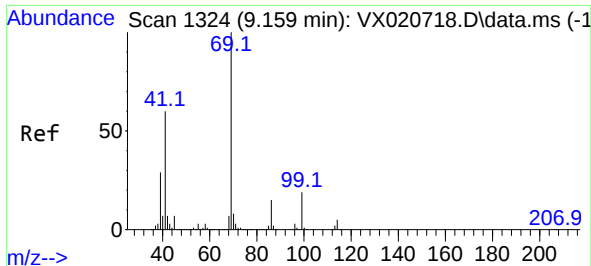
Tgt Ion: 98 Resp: 651993
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#52
Toluene
Concen: 0.30 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 92 Resp: 2901
Ion Ratio Lower Upper
92 100
91 169.6 137.1 205.7



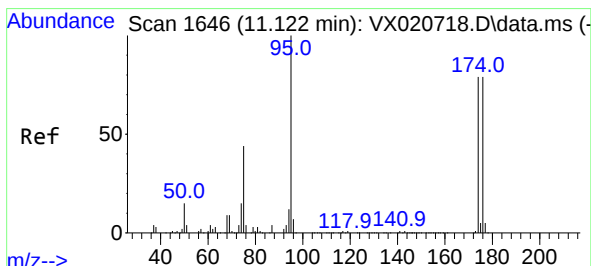
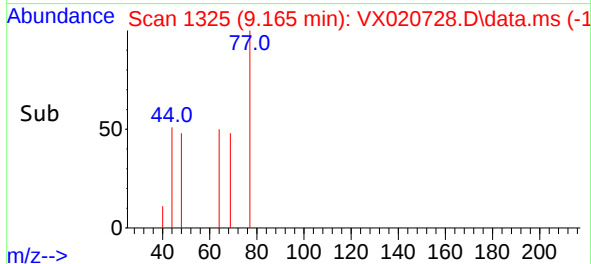
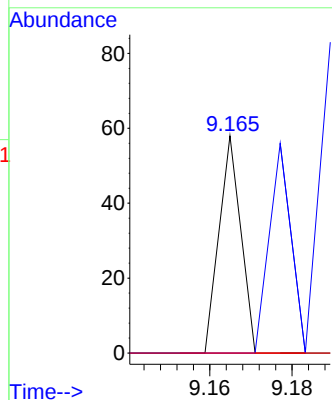
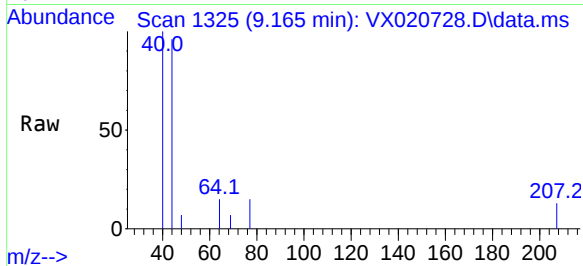


#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 9.165 min Scan# 1325
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Instrument :
MSVOA_X
ClientSampleId :
41046DL

Tgt Ion: 69 Resp: 21

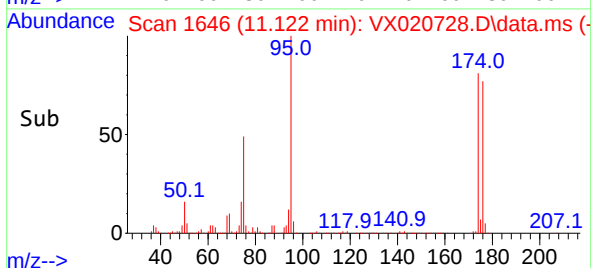
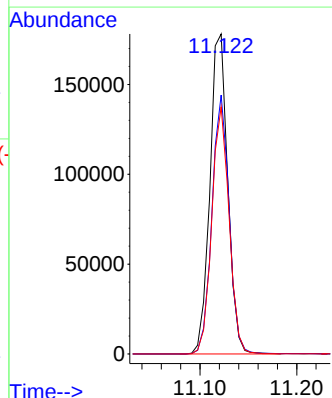
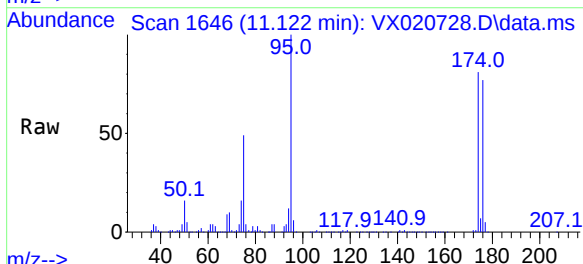
Ion	Ratio	Lower	Upper
69	100		
41	0.0	46.8	70.2#
39	0.0	24.7	37.1#

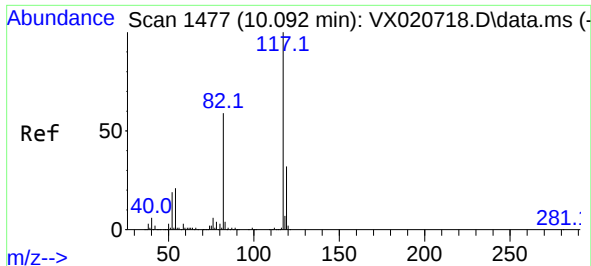


#62
4-Bromofluorobenzene
Concen: 44.76 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 95 Resp: 229150

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	154.6
176	74.6	0.0	155.8

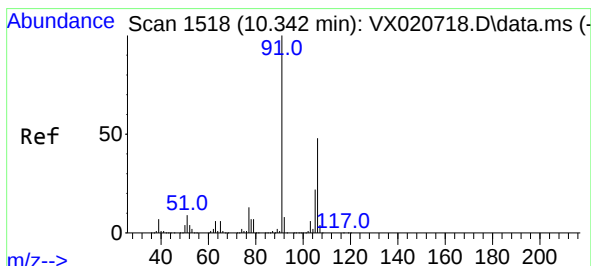
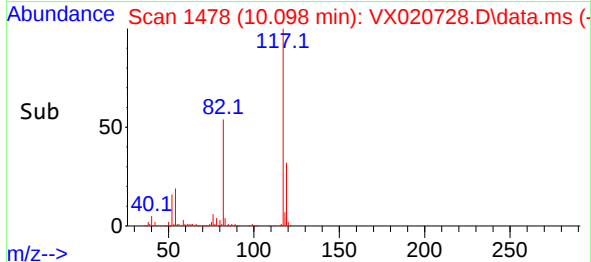
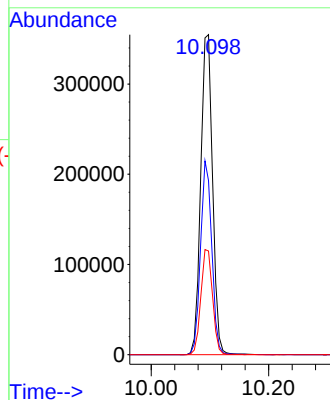
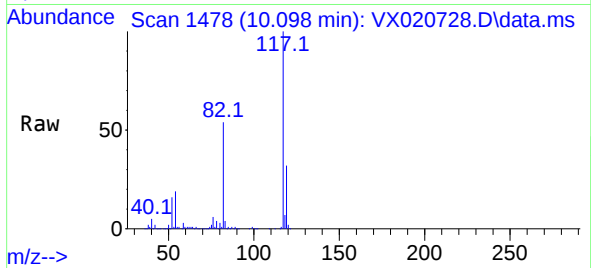




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

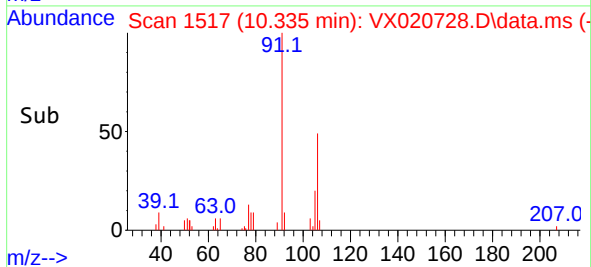
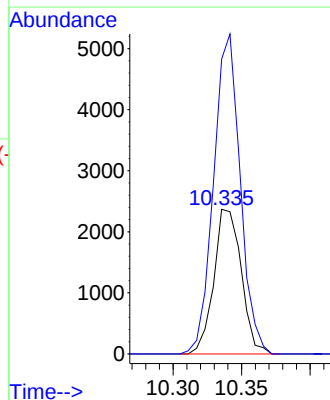
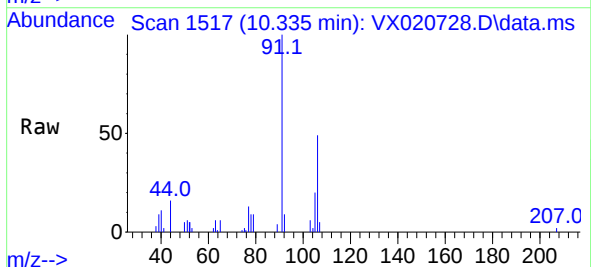
Instrument :
MSVOA_X
ClientSampleId :
41046DL

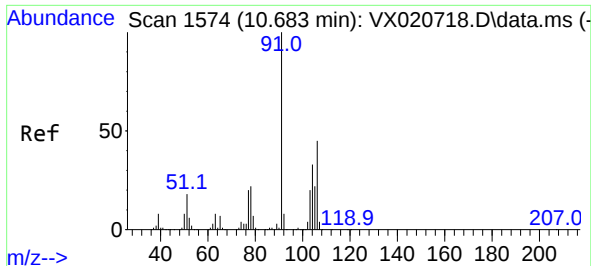
Tgt Ion:117 Resp: 494772
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 32.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.48 ug/l
RT: 10.335 min Scan# 1517
Delta R.T. -0.007 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion:106 Resp: 3292
Ion Ratio Lower Upper
106 100
91 215.1 162.8 244.2

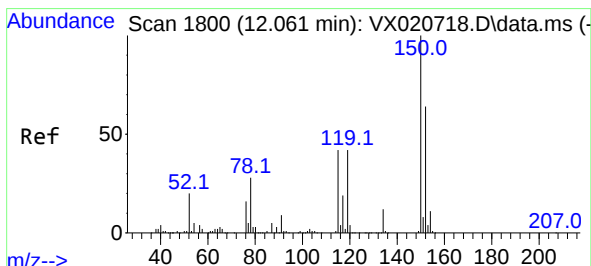
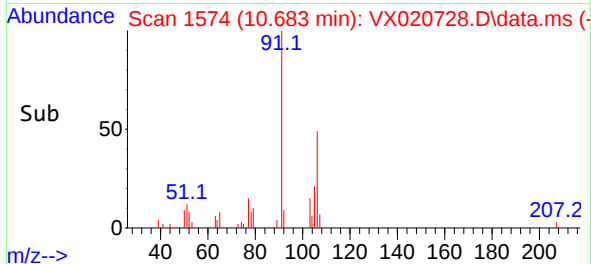
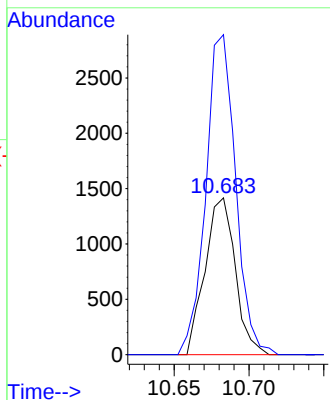
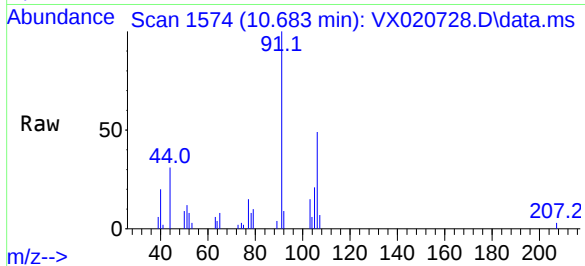




#69
o-Xylene
Concen: 0.31 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

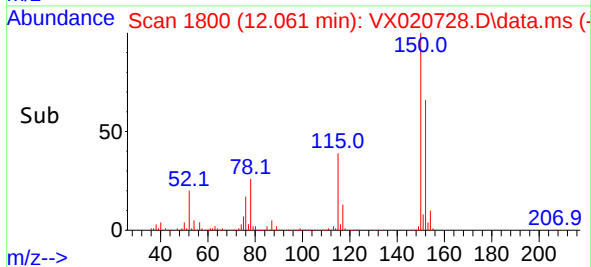
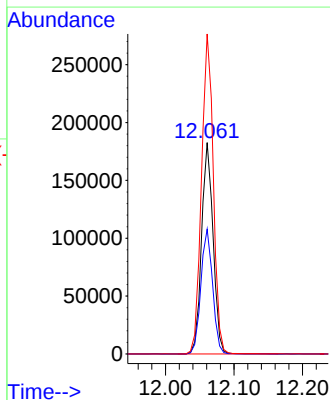
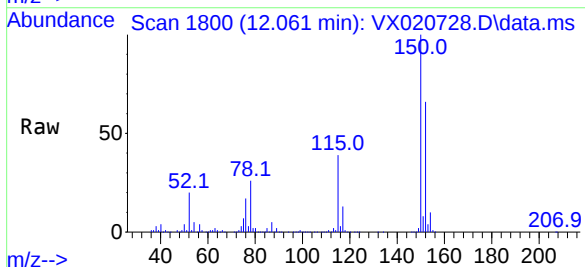
Instrument :
MSVOA_X
ClientSampleID :
41046DL

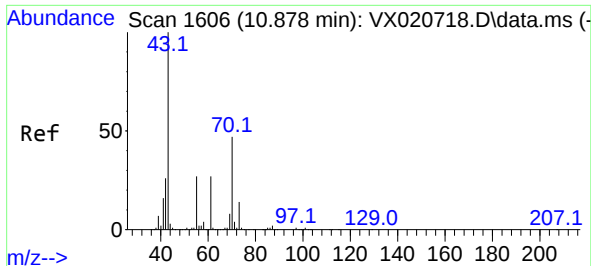
Tgt Ion:106 Resp: 1990
Ion Ratio Lower Upper
106 100
91 201.4 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion:152 Resp: 213879
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 155.0 0.0 349.0

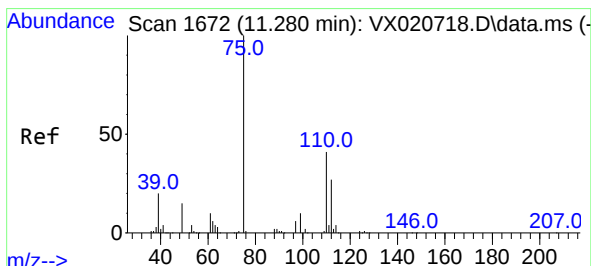
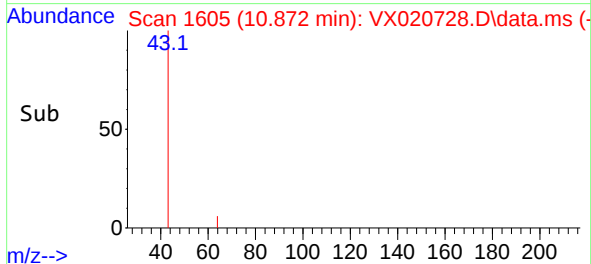
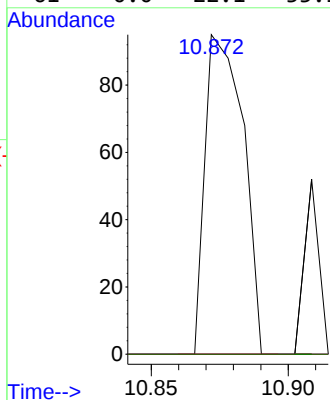
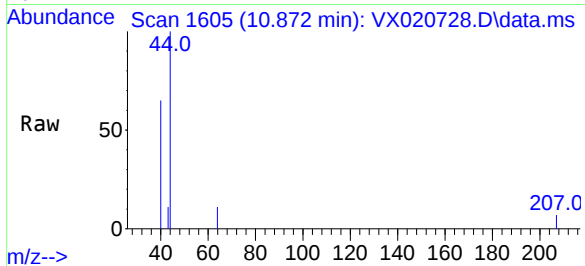




#74
N-amy1 acetate
Concen: 2.03 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. -0.006 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

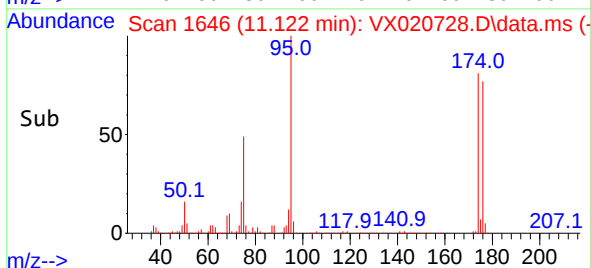
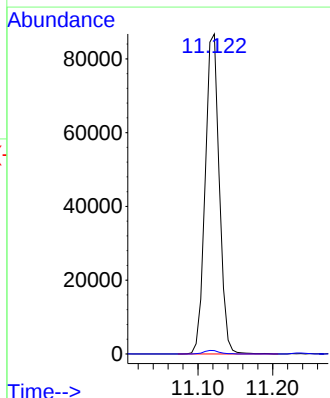
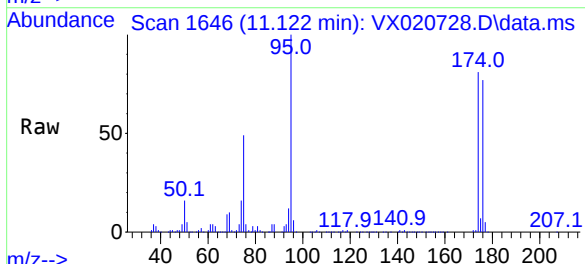
Instrument :
MSVOA_X
ClientSampleId :
41046DL

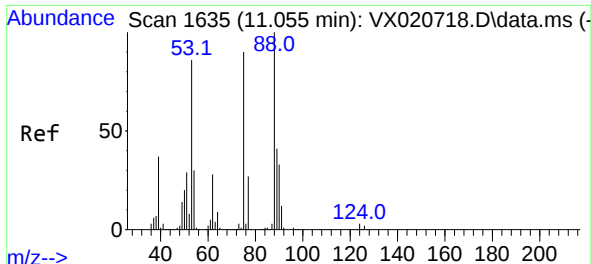
Tgt Ion: 43	Resp:	92
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 22.85 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 75	Resp:	113330
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.1 57.5#

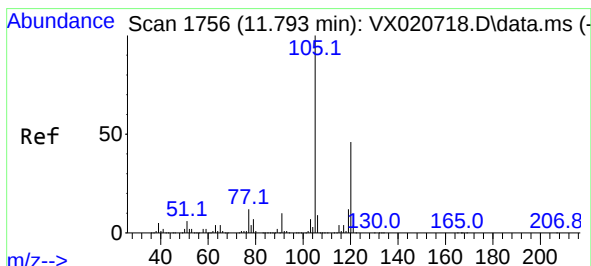
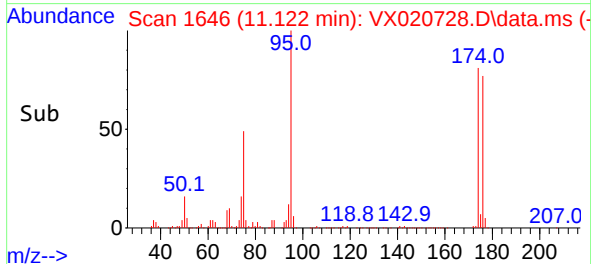
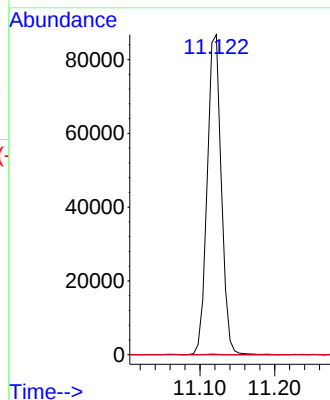
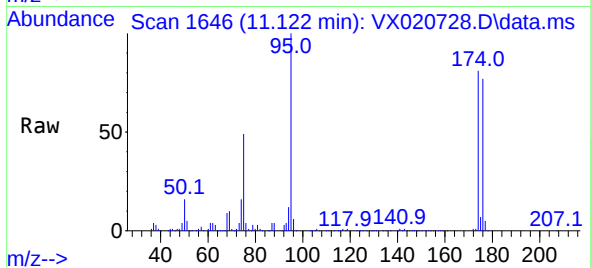




#81
trans-1,4-Dichloro-2-butene
Concen: 64.02 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

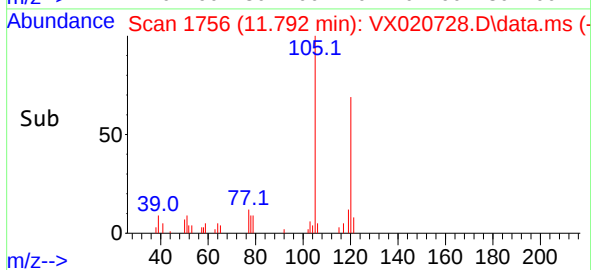
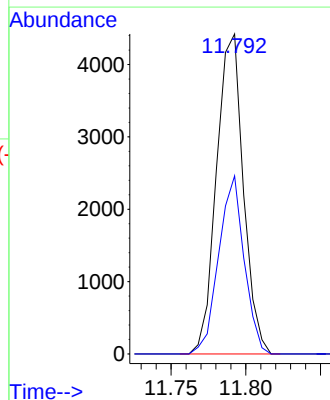
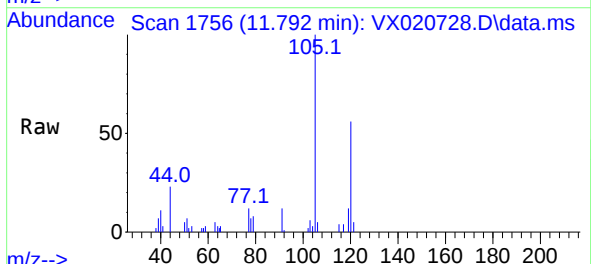
Instrument :
MSVOA_X
ClientSampleId :
41046DL

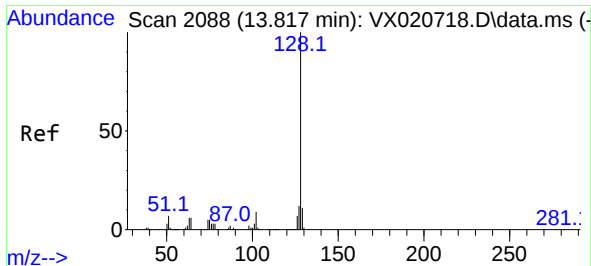
Tgt Ion: 75 Resp: 113330
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.792 min Scan# 1756
Delta R.T. -0.001 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Tgt Ion: 105 Resp: 5518
Ion Ratio Lower Upper
105 100
120 52.8 22.4 67.3





#95
Naphthalene
Concen: 2.99 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020728.D
Acq: 25 Jan 2021 16:36

Instrument :
MSVOA_X
ClientSampleId :
41046DL

Tgt Ion:	128	Resp:	2044
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	13.3	8.8	13.2#

