

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012621\
 Data File : VX020765.D
 Acq On : 26 Jan 2021 19:48
 Operator : JC/SP
 Sample : M1217-16 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

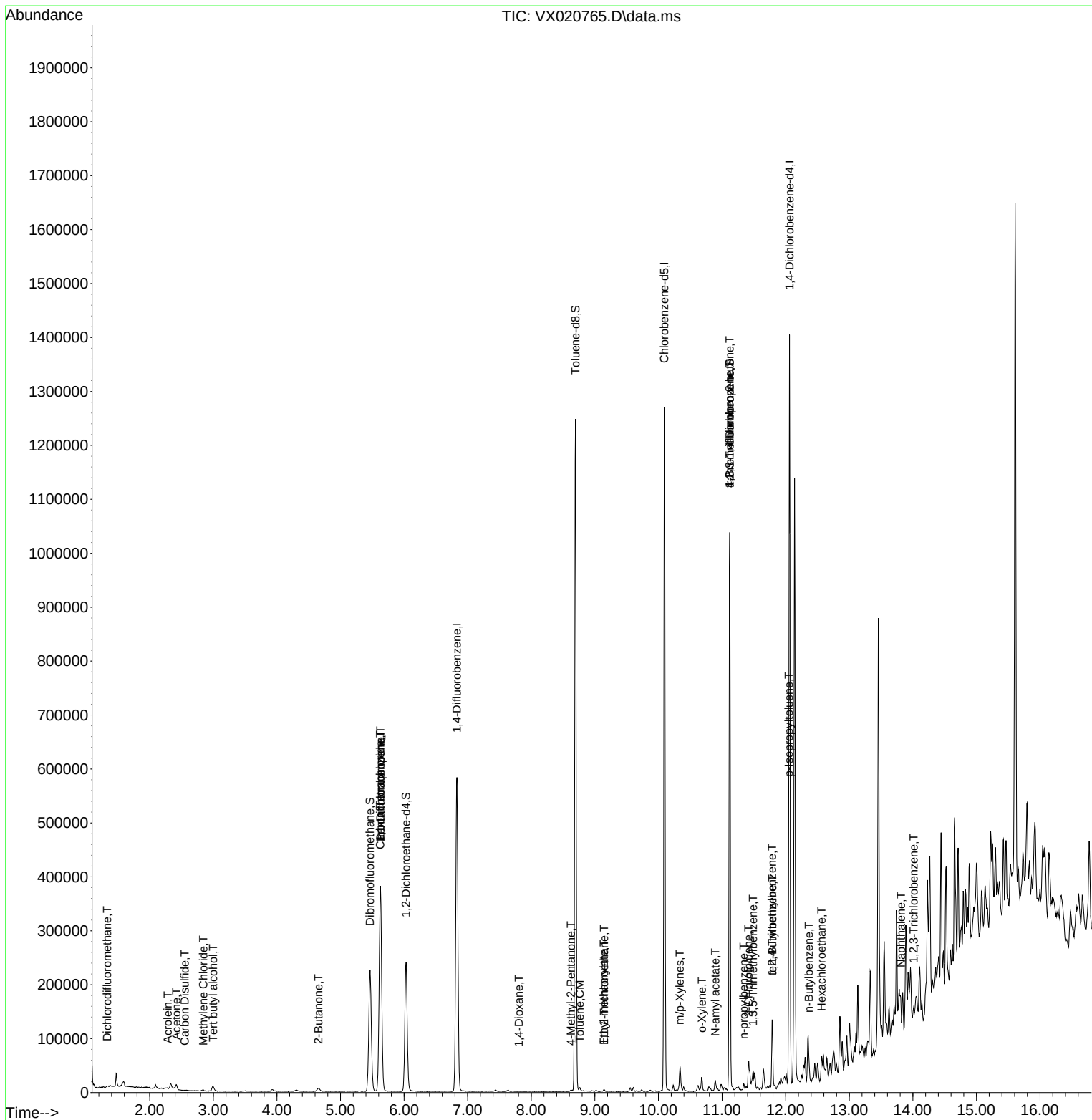
Quant Time: Jan 27 00:59:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:38:15 2021
 Response via : Initial Calibration

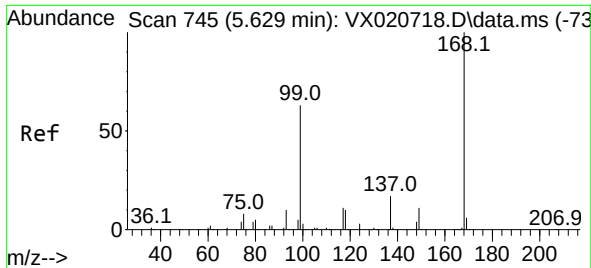
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	354969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	600417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	592278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	282129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	229623	47.43	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.86%		
35) Dibromofluoromethane	5.464	113	197236	47.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.92%		
50) Toluene-d8	8.696	98	757107	50.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.42%		
62) 4-Bromofluorobenzene	11.122	95	291062	49.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.42%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.331	85	45	1.21	ug/l #	42
11) Tert butyl alcohol	2.995	59	6121	6.77	ug/l #	87
13) Acrolein	2.282	56	226	0.33	ug/l #	27
16) Acetone	2.416	43	9465	5.16	ug/l	94
17) Carbon Disulfide	2.550	76	541	0.95	ug/l #	72
20) Methylene Chloride	2.843	84	1122	0.24	ug/l #	84
25) 2-Butanone	4.654	43	1708	0.59	ug/l	93
36) 1,1-Dichloropropene	5.629	75	26678	4.43	ug/l #	49
38) Carbon Tetrachloride	5.623	117	36858	5.82	ug/l #	15
49) 1,4-Dioxane	7.806	88	26	0.24	ug/l #	1
51) 4-Methyl-2-Pentanone	8.622	43	1402	0.24	ug/l	97
52) Toluene	8.763	92	2246	0.20	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	1077	0.23	ug/l #	24
56) Ethyl methacrylate	9.141	69	263	2.82	ug/l #	1
68) m/p-Xylenes	10.336	106	9609	1.16	ug/l	95
69) o-Xylene	10.683	106	5670	0.73	ug/l	94
74) N-amyl acetate	10.896	43	989	2.12	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	141290	21.59	ug/l #	39
78) n-propylbenzene	11.341	91	7072	0.30	ug/l	96
79) 2-Chlorotoluene	11.415	91	4458	0.31	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.488	105	12320	0.71	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.122	75	141290	60.51	ug/l #	12
83) tert-Butylbenzene	11.793	119	7171	0.43	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.787	105	55080	3.13	ug/l	99
86) p-Isopropyltoluene	12.049	119	20403	1.13	ug/l	93
89) n-Butylbenzene	12.366	91	8461	0.52	ug/l #	40
90) Hexachloroethane	12.567	117	2110	0.65	ug/l #	9
95) Naphthalene	13.817	128	7419	3.20	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.012	180	2494	0.44	ug/l #	1

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

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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

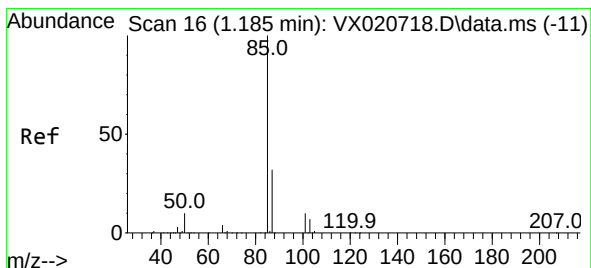
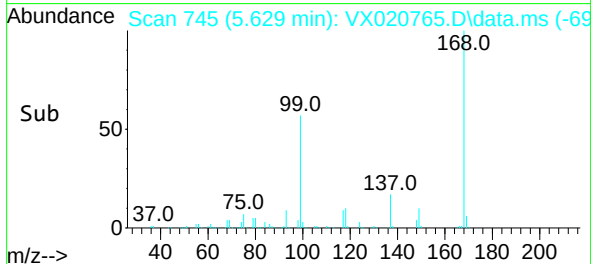
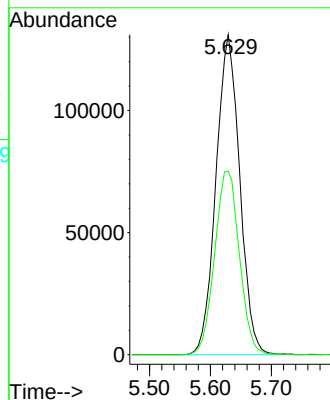
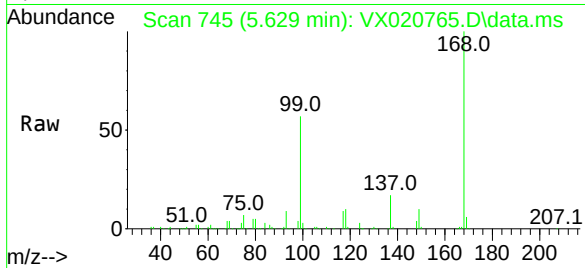




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

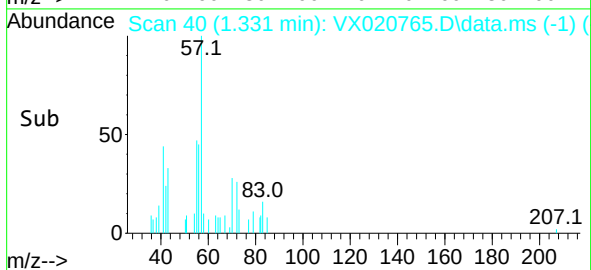
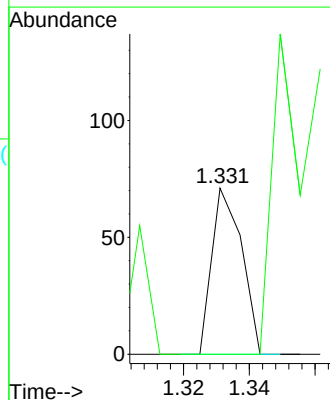
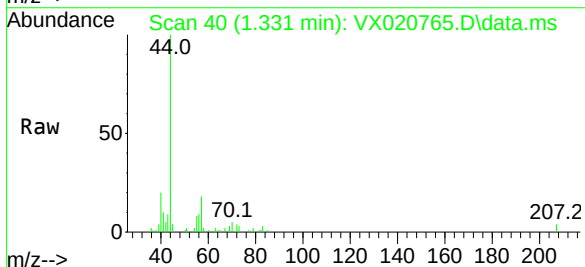
Instrument :
MSVOA_X
ClientSampleId :

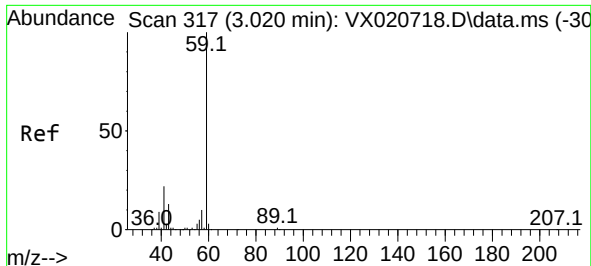
Tgt Ion:168 Resp: 354969
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.21 ug/l
RT: 1.331 min Scan# 40
Delta R.T. 0.146 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 85 Resp: 45
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

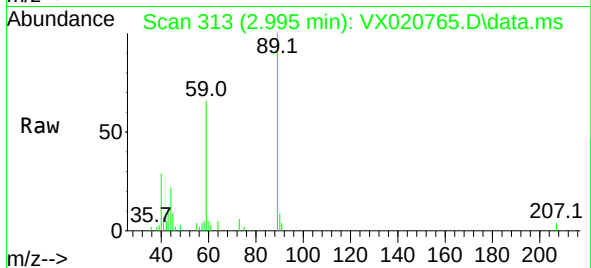




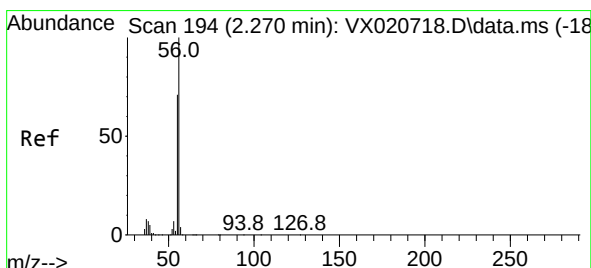
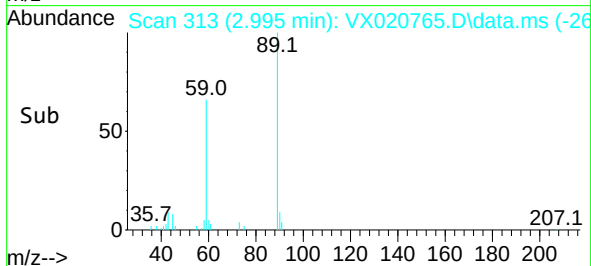
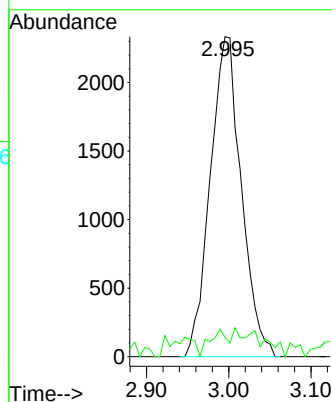
#11

Tert butyl alcohol
Concen: 6.77 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.025 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Instrument :
MSVOA_X
ClientSampled :



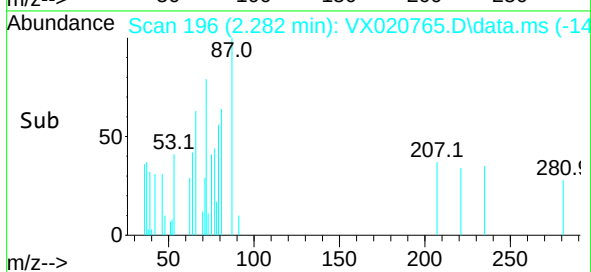
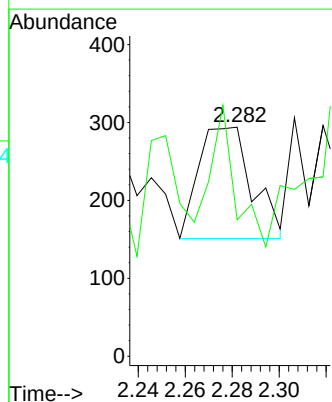
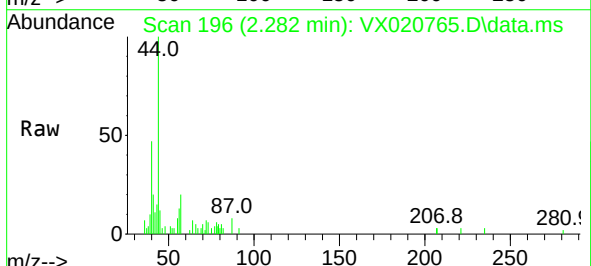
Tgt Ion: 59 Resp: 6121
Ion Ratio Lower Upper
59 100
57 4.9 7.8 11.8#

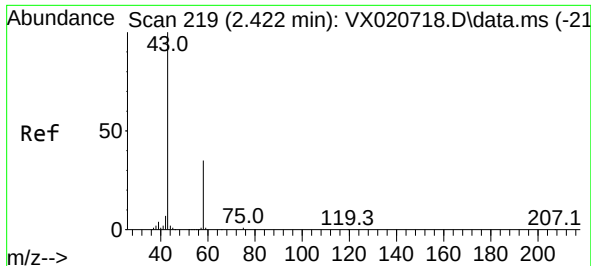


#13

Acrolein
Concen: 0.33 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.012 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 130.5 56.4 84.6#

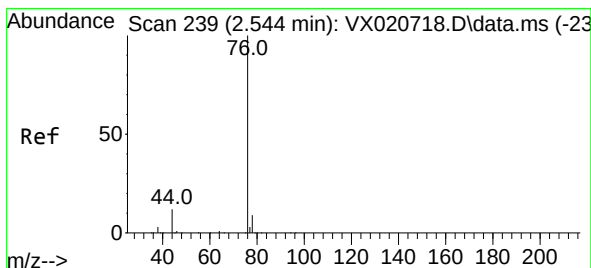
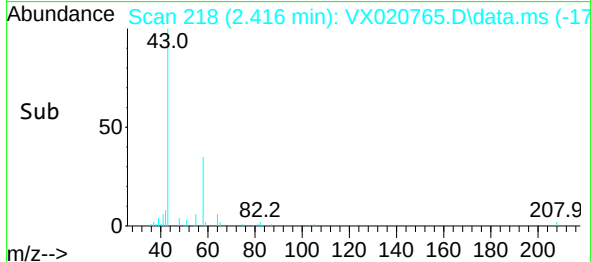
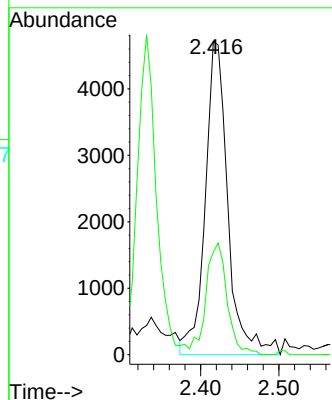
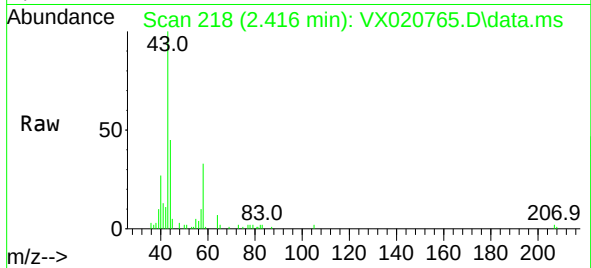




#16
Acetone
Concen: 5.16 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

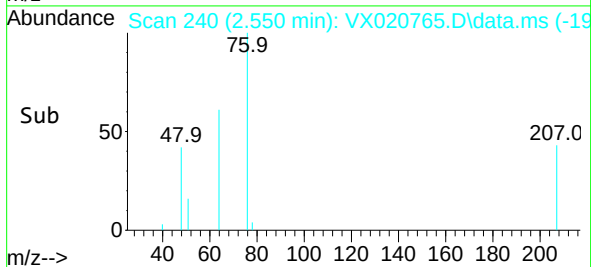
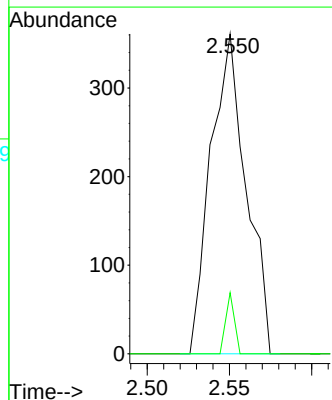
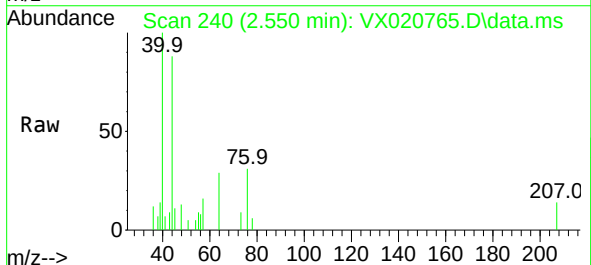
Instrument :
MSVOA_X
ClientSampled :

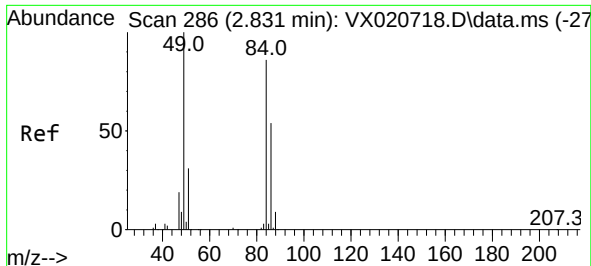
Tgt Ion: 43 Resp: 9465
Ion Ratio Lower Upper
43 100
58 31.3 27.8 41.8



#17
Carbon Disulfide
Concen: 0.95 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

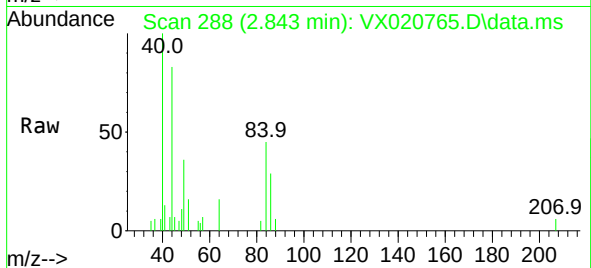
Tgt Ion: 76 Resp: 541
Ion Ratio Lower Upper
76 100
78 19.1 7.2 10.8#





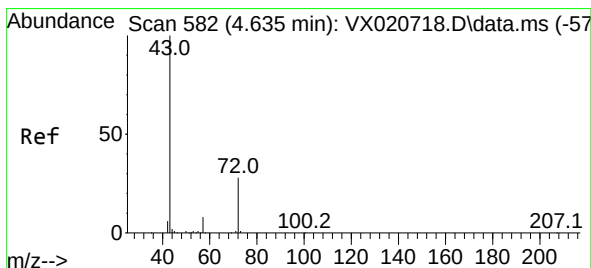
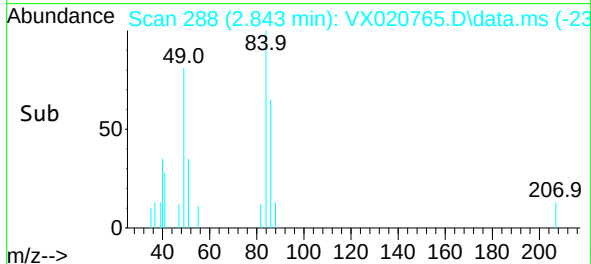
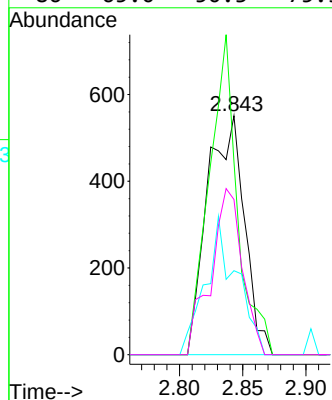
#20
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.843 min Scan# 288
Delta R.T. 0.012 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1122

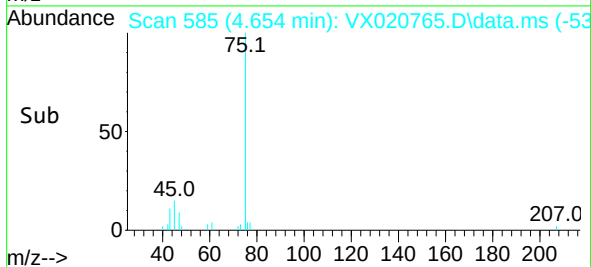
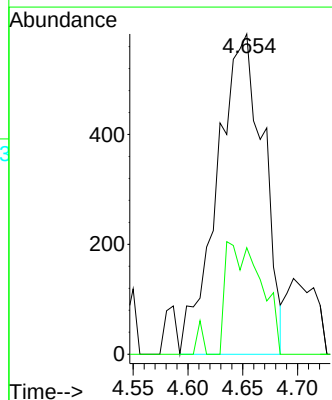
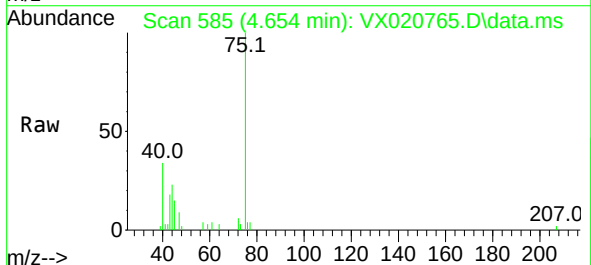
Ion	Ratio	Lower	Upper
84	100		
49	80.8	88.6	132.8#
51	35.2	27.0	40.6
86	65.0	50.3	75.5

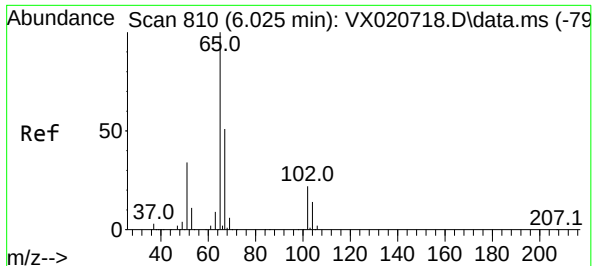


#25
2-Butanone
Concen: 0.59 ug/l
RT: 4.654 min Scan# 585
Delta R.T. 0.019 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 43 Resp: 1708

Ion	Ratio	Lower	Upper
43	100		
72	33.3	23.7	35.5





#33

1,2-Dichloroethane-d4

Concen: 47.43 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020765.D

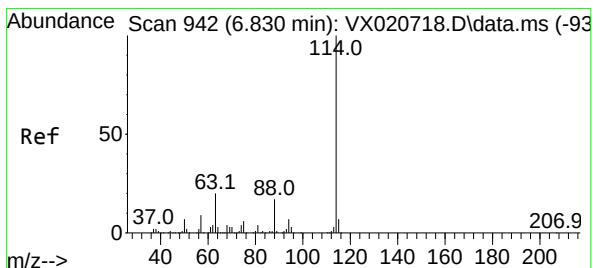
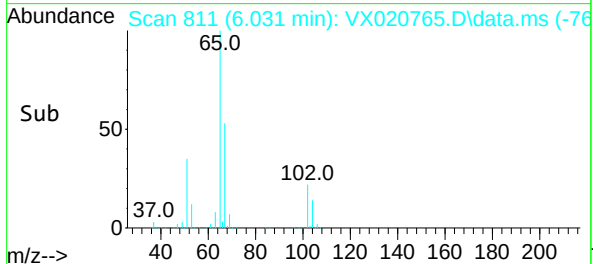
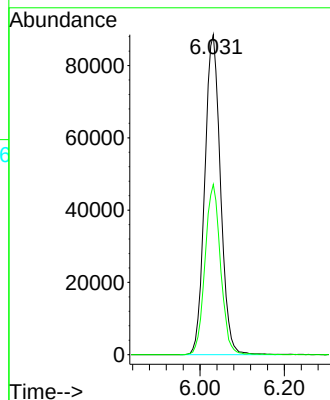
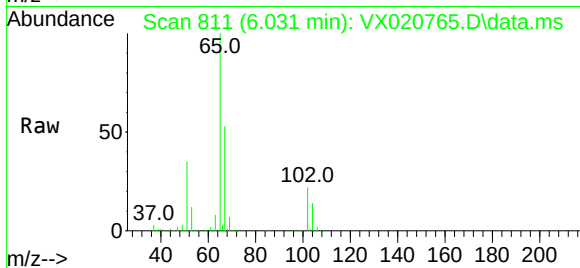
Acq: 26 Jan 2021 19:48

Tgt Ion: 65 Resp: 229623

Ion Ratio Lower Upper

65 100

67 52.7 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: VX020765.D

Acq: 26 Jan 2021 19:48

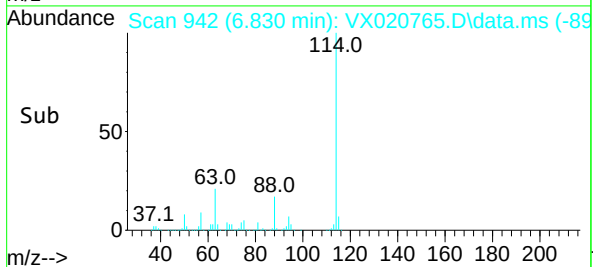
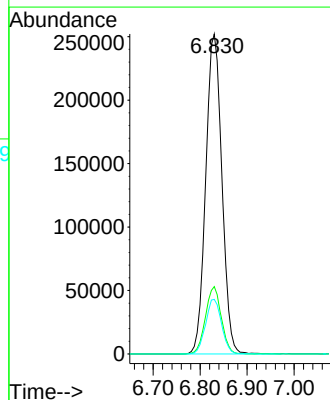
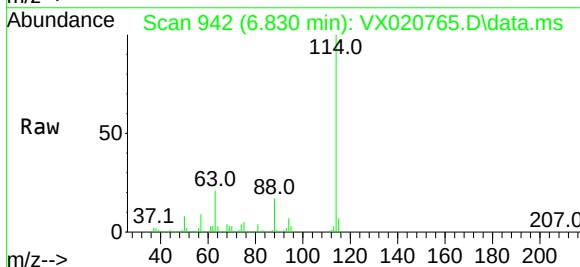
Tgt Ion: 114 Resp: 600417

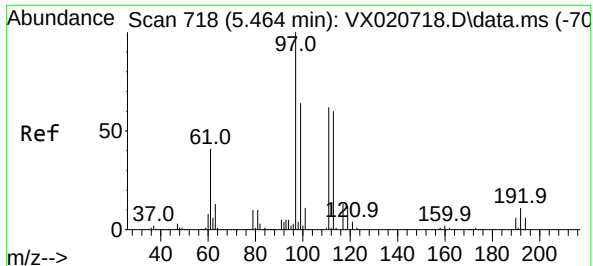
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 17.1 0.0 32.8

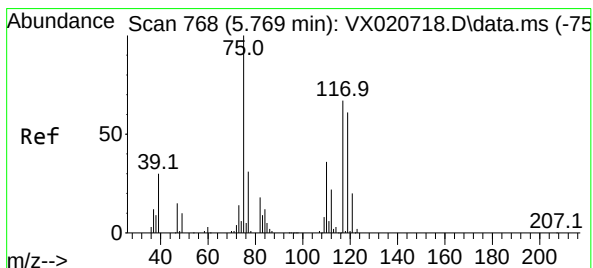
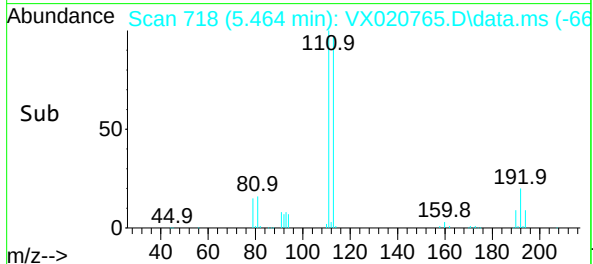
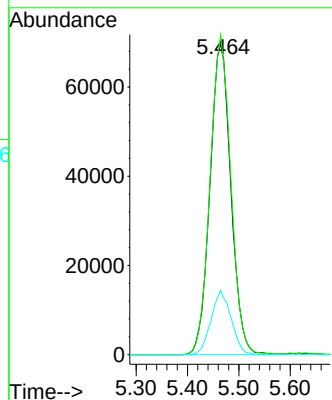
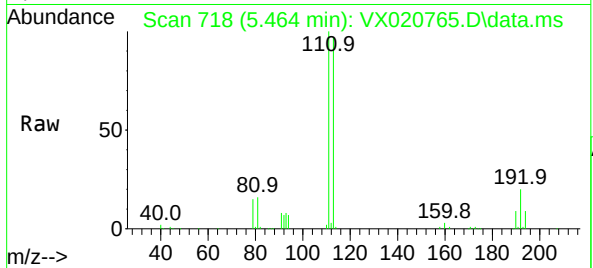




#35
Dibromofluoromethane
Concen: 47.96 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

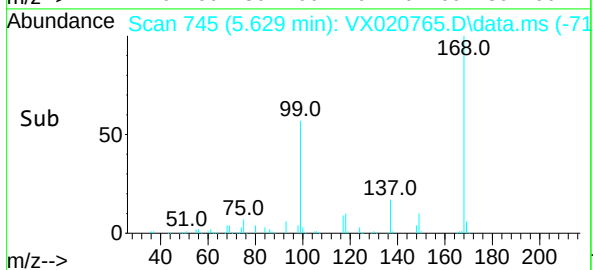
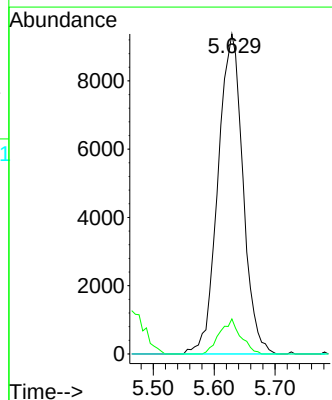
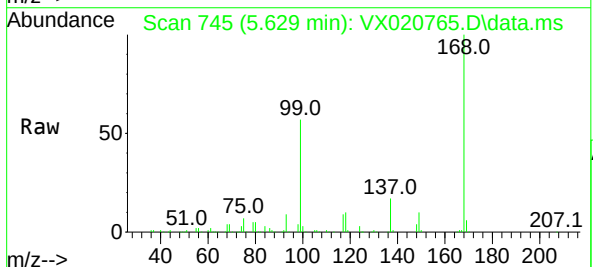
Instrument :
MSVOA_X
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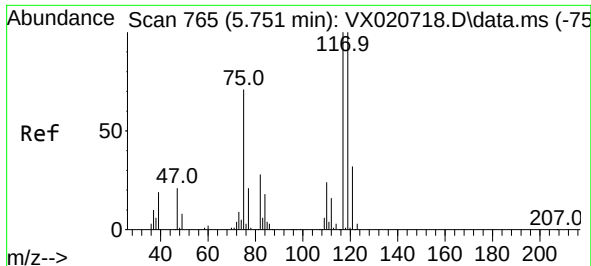
Tgt Ion:113 Resp: 197236
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.43 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

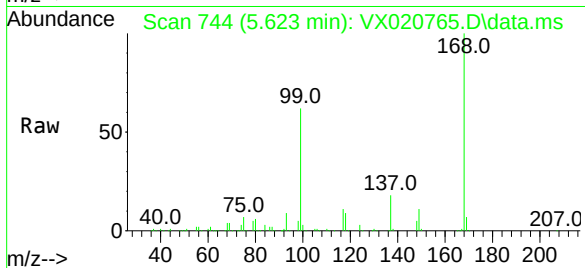
Tgt Ion: 75 Resp: 26678
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



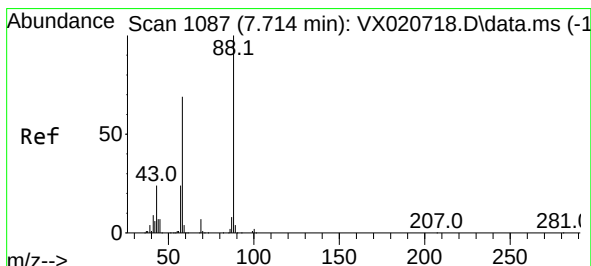
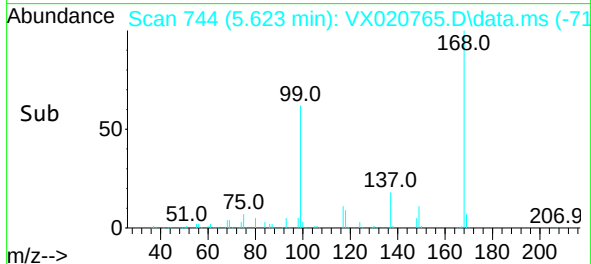
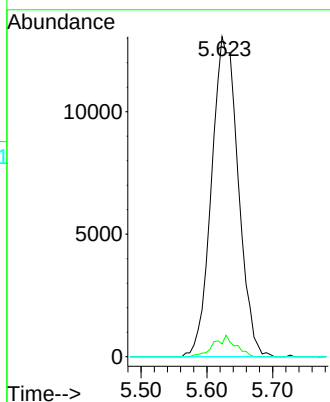


#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

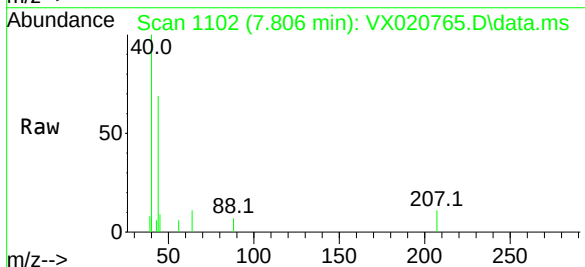
Instrument :
MSVOA_X
ClientSampled :



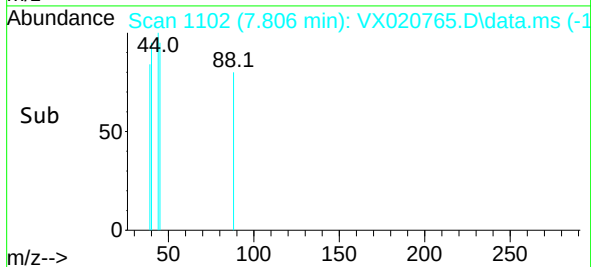
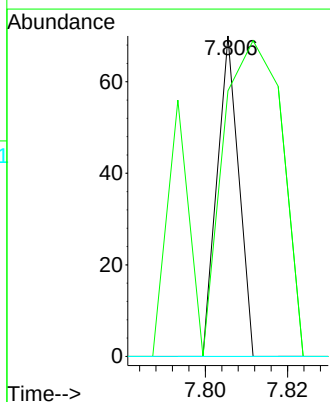
Tgt Ion:117 Resp: 36858
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#

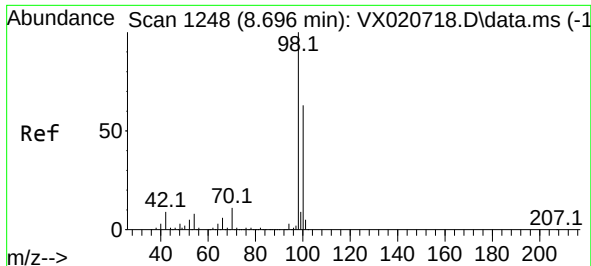


#49
1,4-Dioxane
Concen: 0.24 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.091 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48



Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 342.3 23.2 34.8#
58 0.0 55.0 82.4#

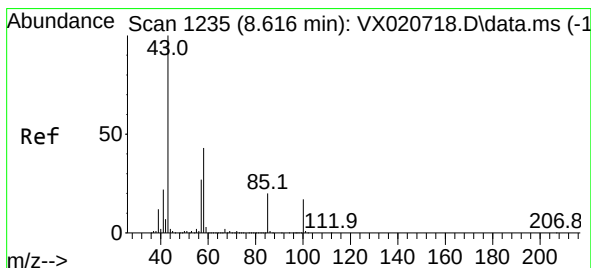
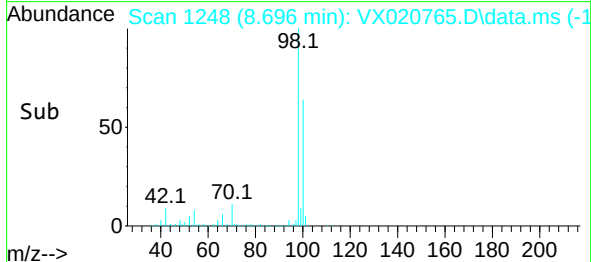
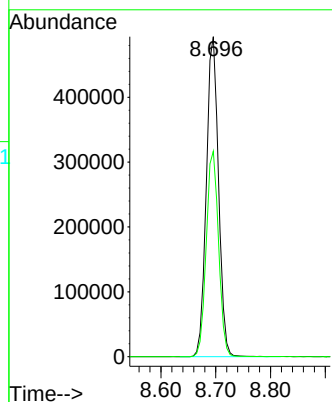
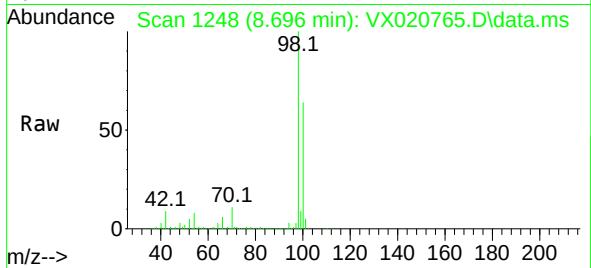




#50
Toluene-d8
Concen: 50.21 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

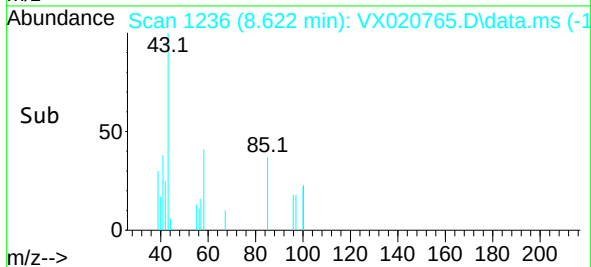
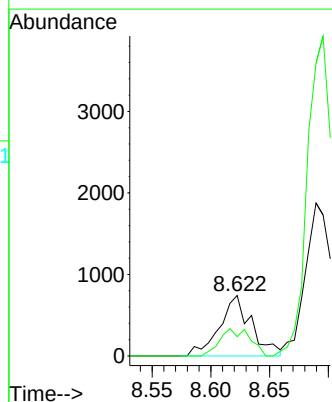
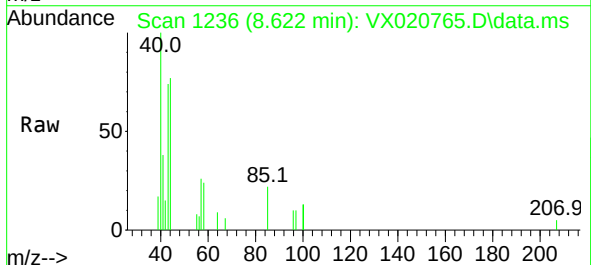
Instrument :
MSVOA_X
ClientSampled :

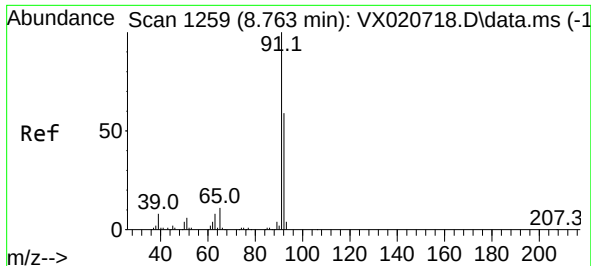
Tgt Ion: 98 Resp: 757107
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 8.622 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 42.5 35.4 53.0

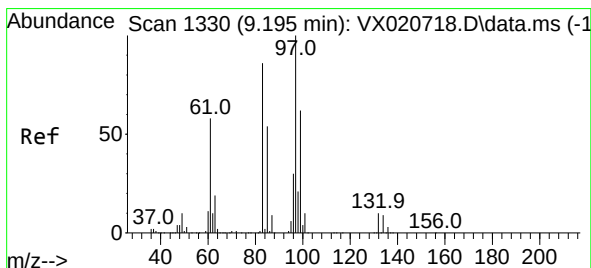
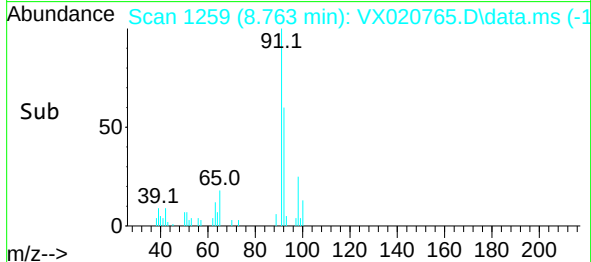
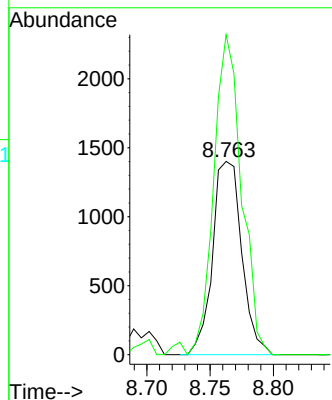
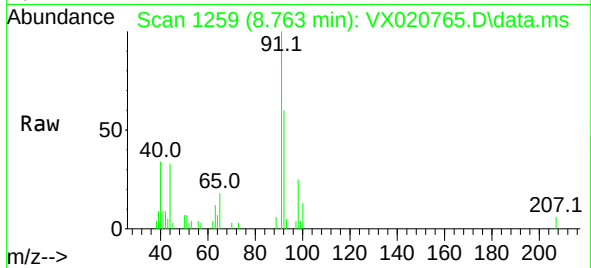




#52
Toluene
Concen: 0.20 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

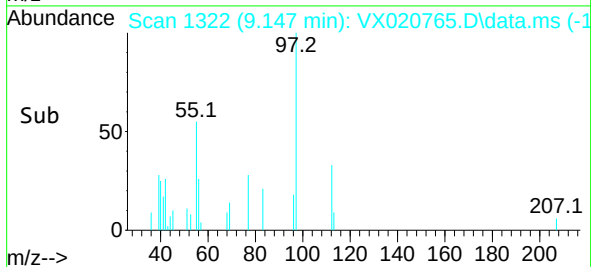
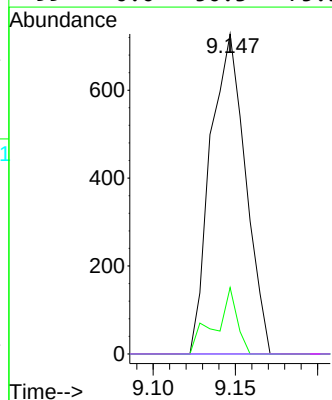
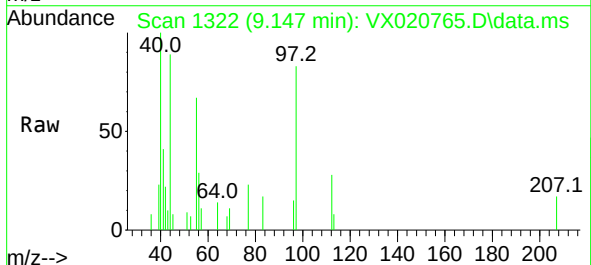
Instrument :
MSVOA_X
ClientSampled :

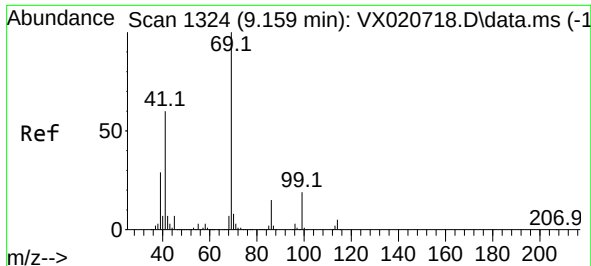
Tgt Ion: 92 Resp: 2246
Ion Ratio Lower Upper
92 100
91 160.0 137.1 205.7



#55
1,1,2-Trichloroethane
Concen: 0.23 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.048 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 97 Resp: 1077
Ion Ratio Lower Upper
97 100
83 20.7 69.3 103.9#
85 0.0 44.3 66.5#
99 0.0 50.3 75.5#

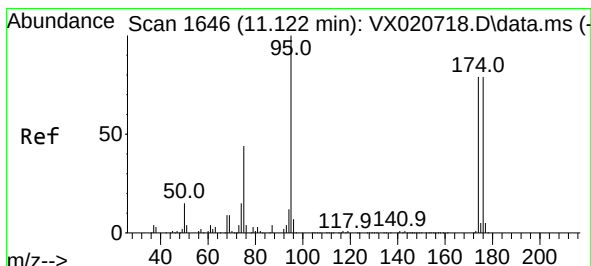
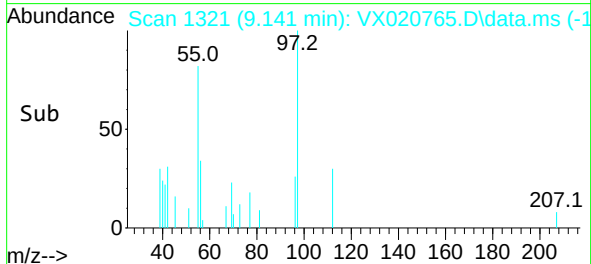
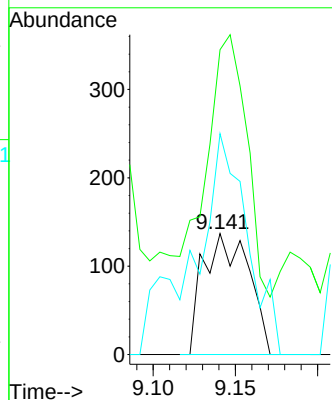
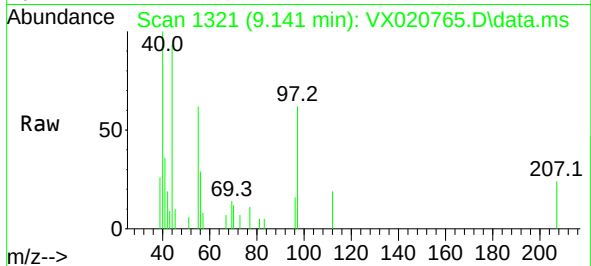




#56
Ethyl methacrylate
Concen: 2.82 ug/l
RT: 9.141 min Scan# 1321
Delta R.T. -0.018 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

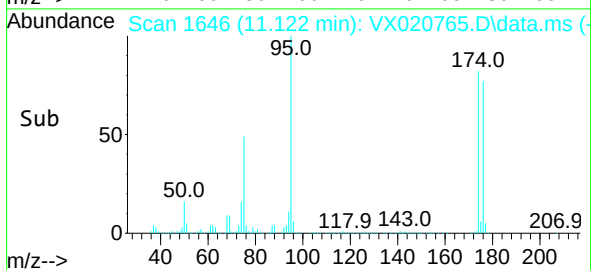
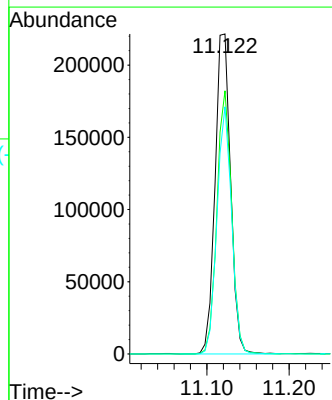
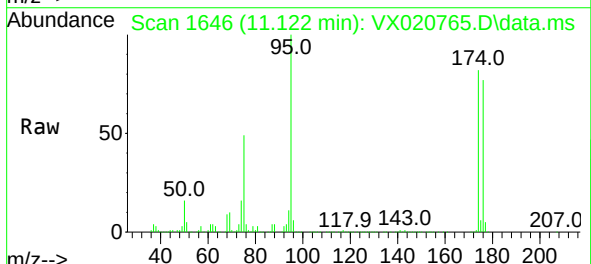
Instrument :
MSVOA_X
ClientSampled :

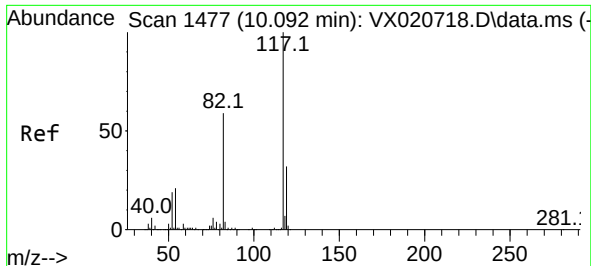
Tgt Ion:	69	Resp:	263
Ion	Ratio	Lower	Upper
69	100		
41	188.2	46.8	70.2#
39	218.3	24.7	37.1#



#62
4-Bromofluorobenzene
Concen: 49.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion:	95	Resp:	291062
Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	154.6
176	72.8	0.0	155.8

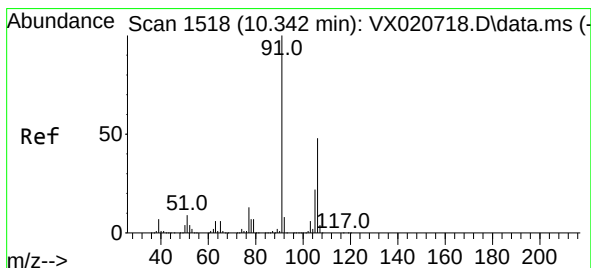
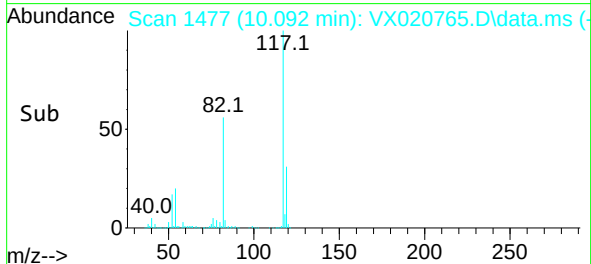
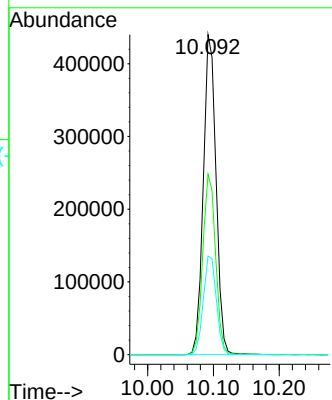
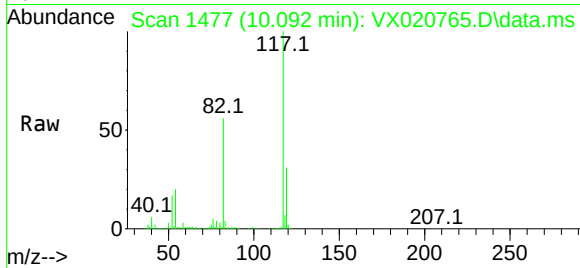




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

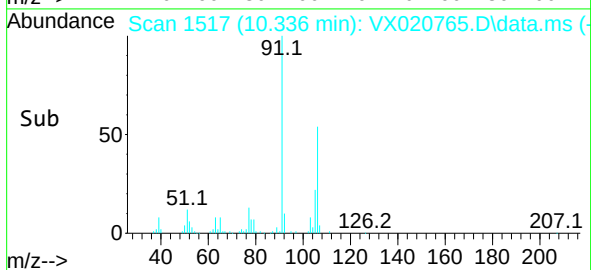
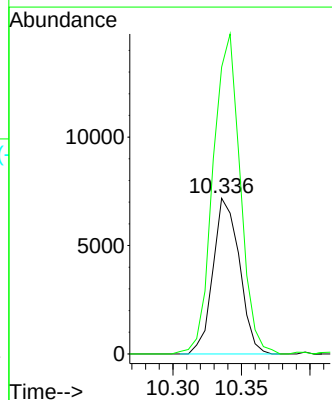
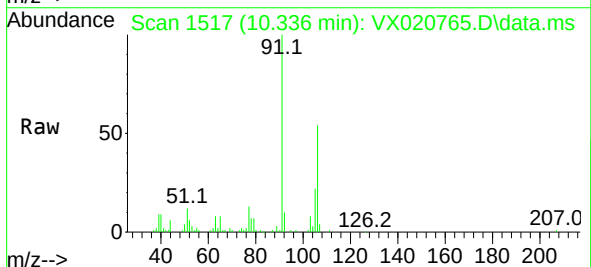
Instrument :
MSVOA_X
ClientSampleId :

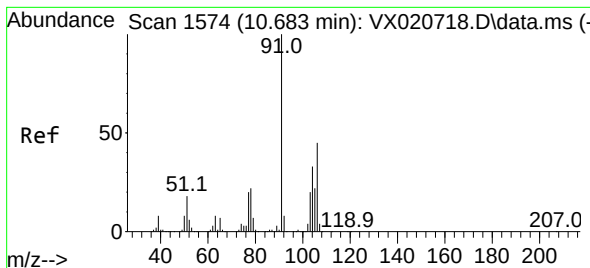
Tgt Ion:117 Resp: 592278
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 30.9 26.6 39.8



#68
m/p-Xylenes
Concen: 1.16 ug/l
RT: 10.336 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion:106 Resp: 9609
Ion Ratio Lower Upper
106 100
91 211.6 162.8 244.2

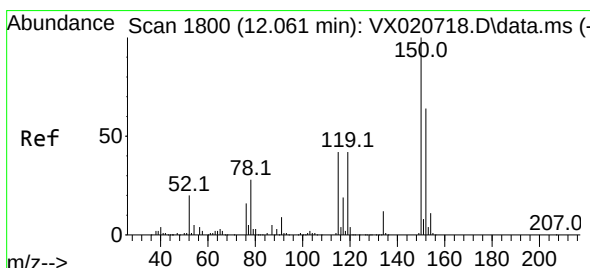
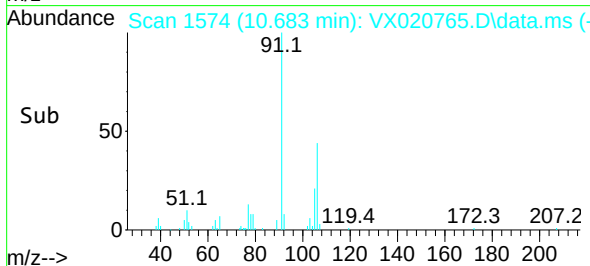
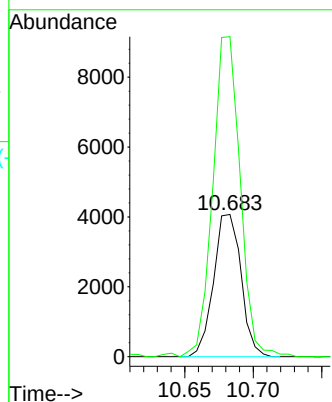
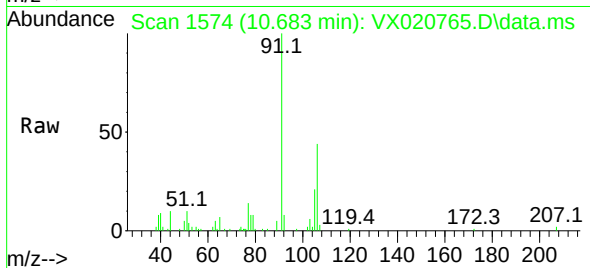




#69
o-Xylene
Concen: 0.73 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

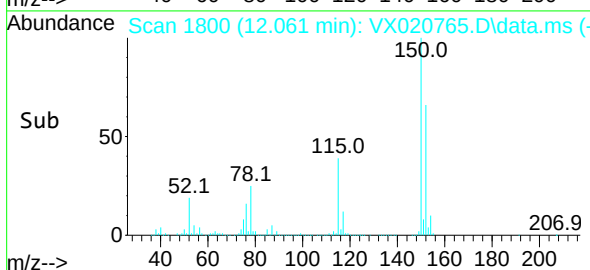
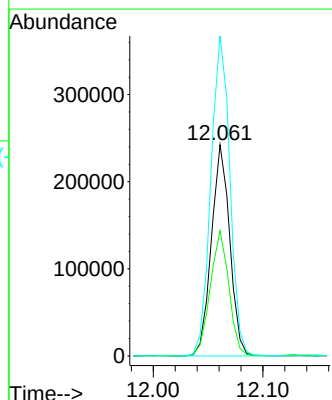
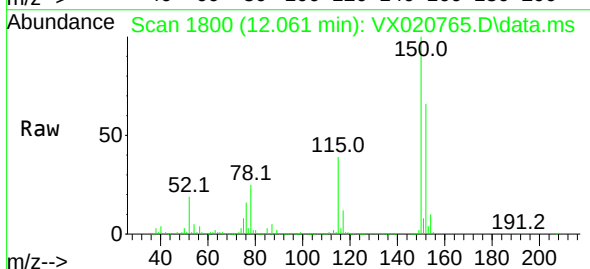
Instrument :
MSVOA_X
ClientSampled :

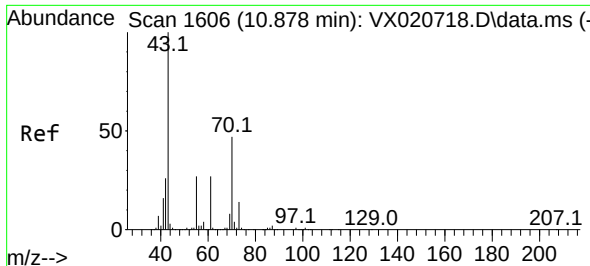
Tgt Ion:106 Resp: 5670
Ion Ratio Lower Upper
106 100
91 225.3 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

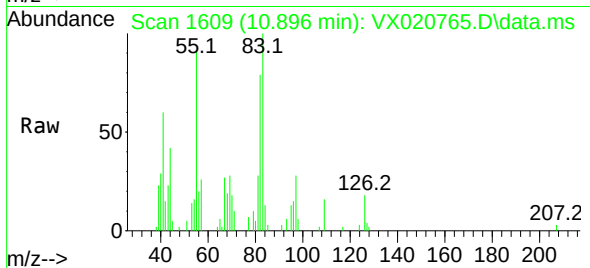
Tgt Ion:152 Resp: 282129
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 157.3 0.0 349.0



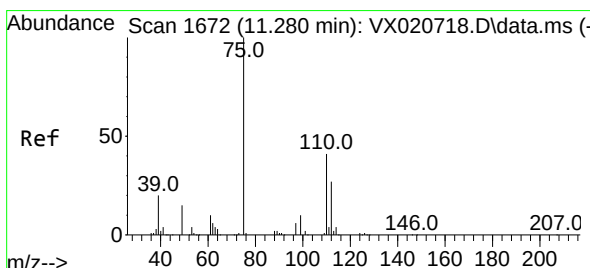
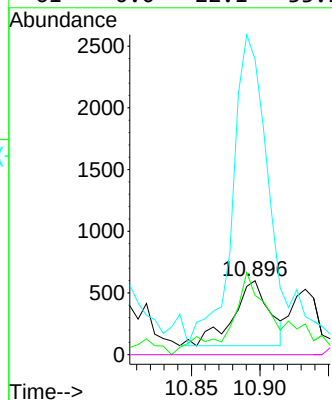
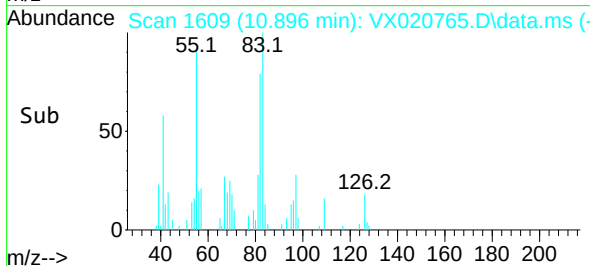


#74
N-amy1 acetate
Concen: 2.12 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.018 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

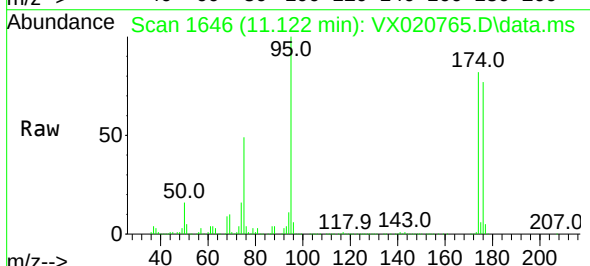
Instrument :
MSVOA_X
ClientSampled :



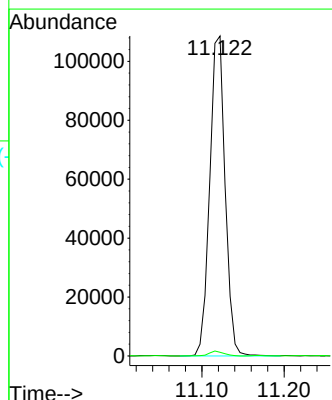
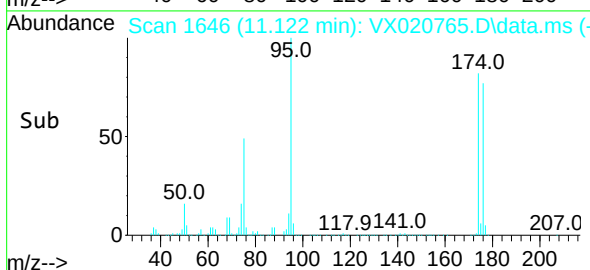
Tgt Ion: 43	Resp: 989
Ion Ratio	Lower Upper
43 100	
70 108.5	39.0 58.6#
55 489.7	21.5 32.3#
61 0.0	22.1 33.1#

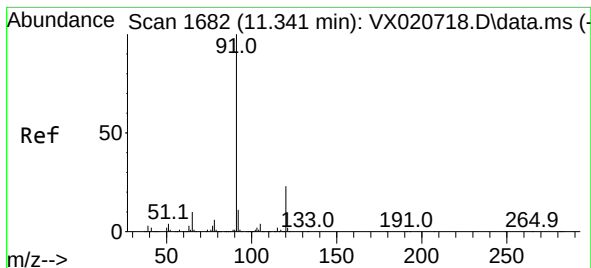


#76
1,2,3-Trichloropropane
Concen: 21.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48



Tgt Ion: 75	Resp: 141290
Ion Ratio	Lower Upper
75 100	
77 1.5	19.1 57.5#

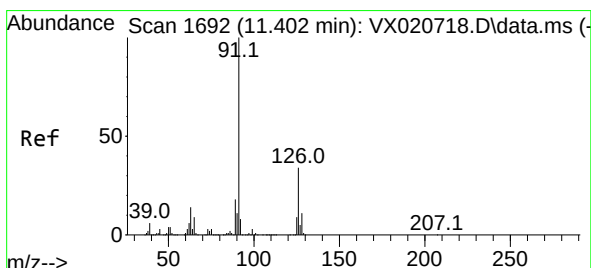
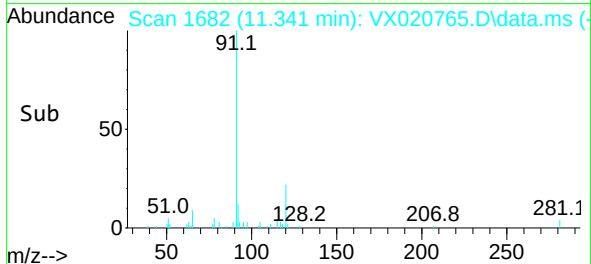
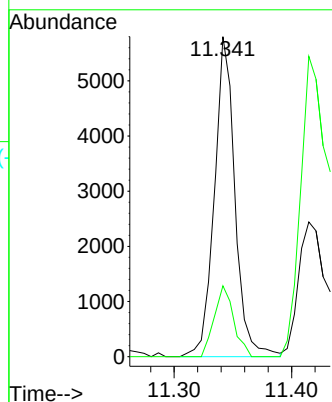
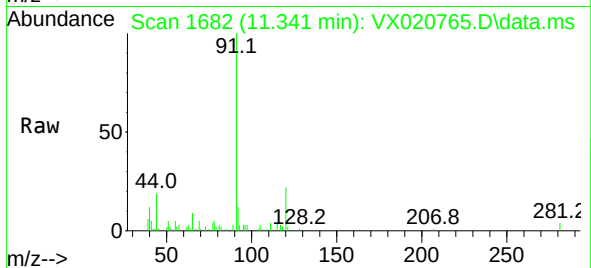




#78
n-propylbenzene
Concen: 0.30 ug/l
RT: 11.341 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

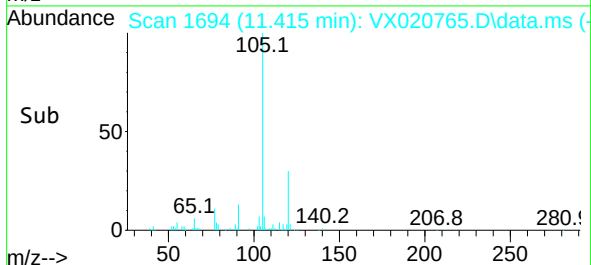
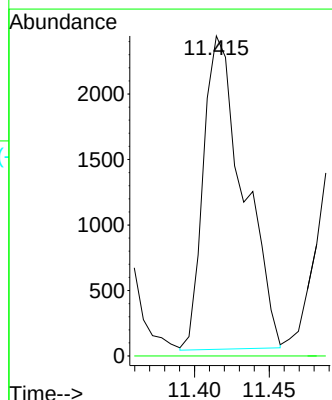
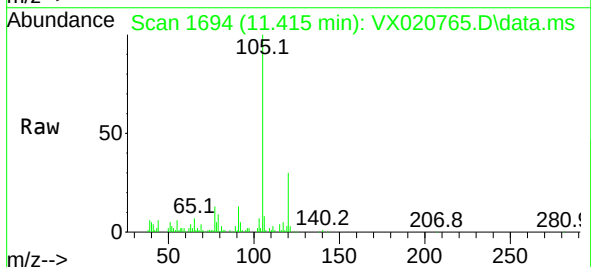
Instrument :
MSVOA_X
ClientSampled :

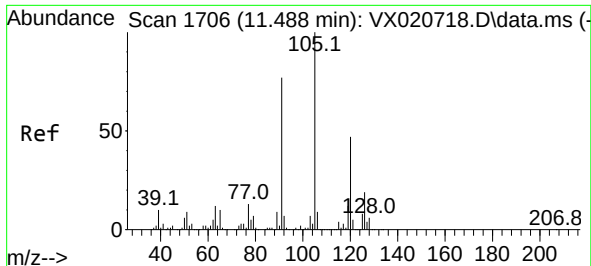
Tgt Ion: 91 Resp: 7072
Ion Ratio Lower Upper
91 100
120 20.9 11.5 34.5



#79
2-Chlorotoluene
Concen: 0.31 ug/l
RT: 11.415 min Scan# 1694
Delta R.T. 0.013 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 91 Resp: 4458
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#

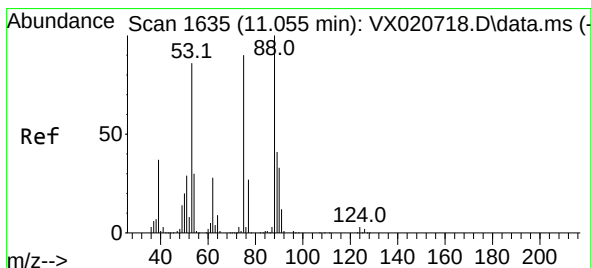
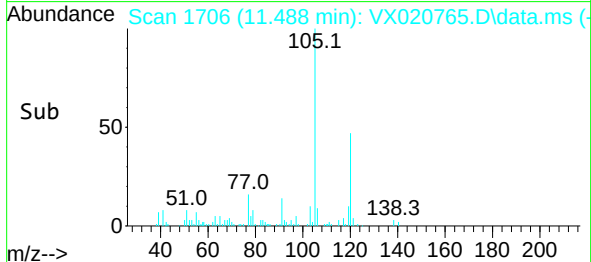
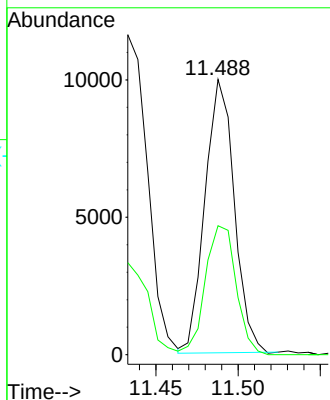
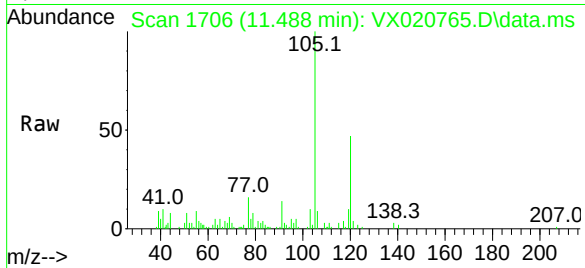




#80
1,3,5-Trimethylbenzene
Concen: 0.71 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

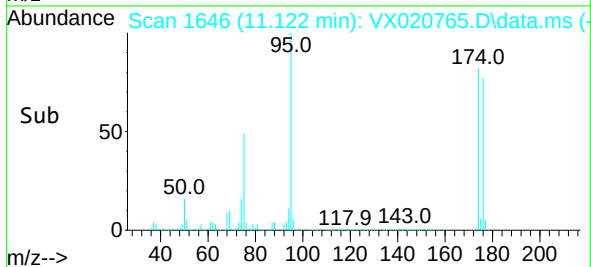
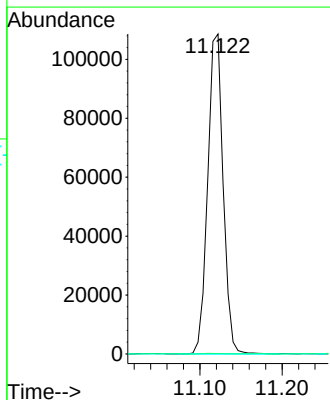
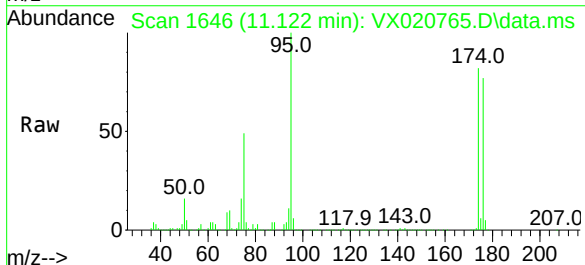
Instrument :
MSVOA_X
ClientSampled :

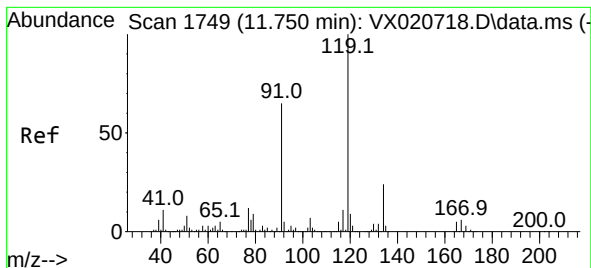
Tgt Ion:105 Resp: 12320
Ion Ratio Lower Upper
105 100
120 49.7 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 60.51 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 75 Resp: 141290
Ion Ratio Lower Upper
75 100
53 0.3 74.5 111.7#
89 0.0 37.9 56.9#

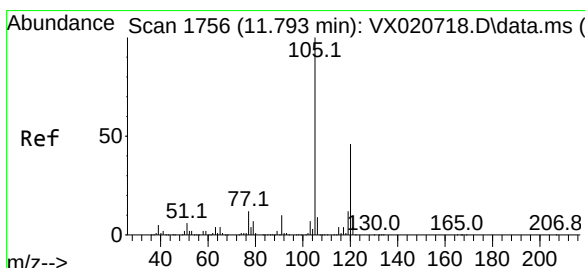
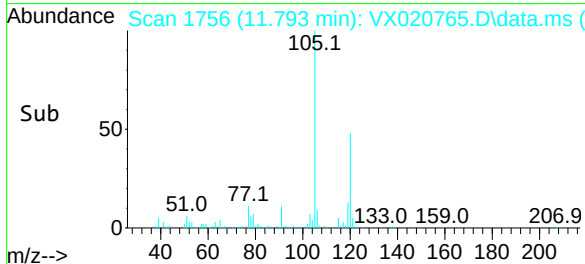
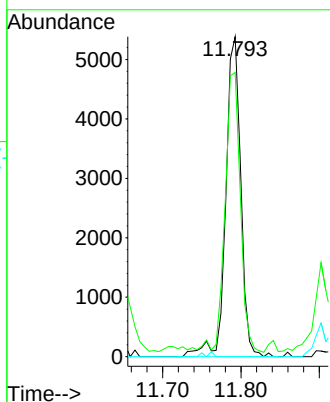
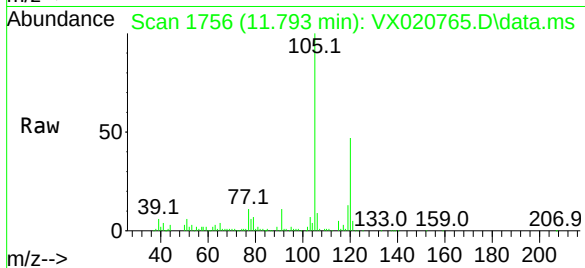




#83
tert-Butylbenzene
Concen: 0.43 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.043 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

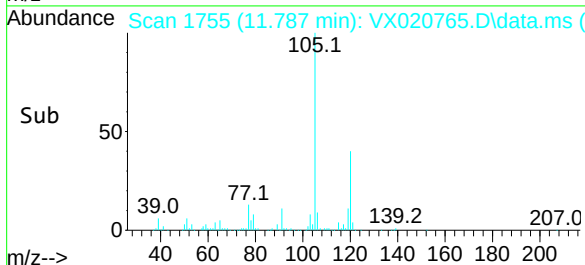
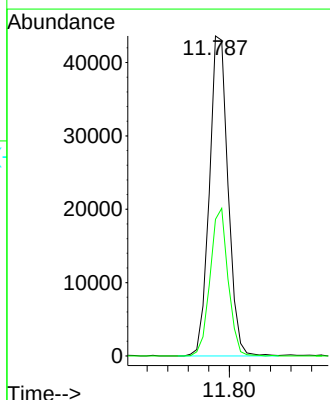
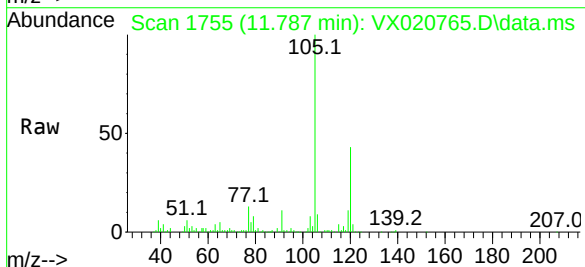
Instrument :
MSVOA_X
ClientSampled :

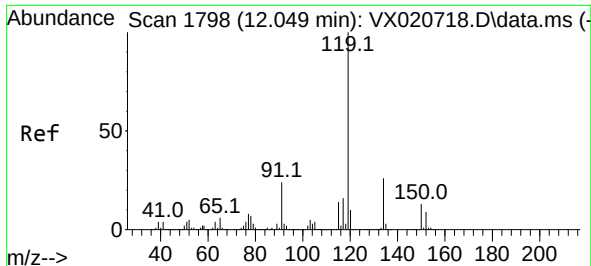
Tgt Ion:119 Resp: 7171
Ion Ratio Lower Upper
119 100
91 90.0 27.9 83.7#
134 0.0 11.3 33.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.13 ug/l
RT: 11.787 min Scan# 1755
Delta R.T. -0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion:105 Resp: 55080
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3

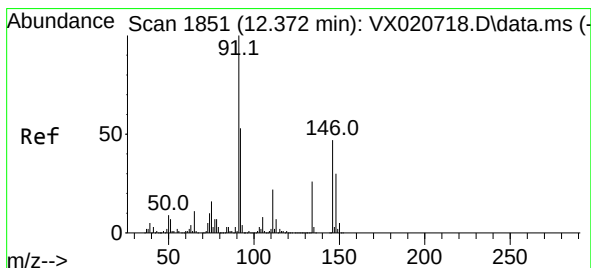
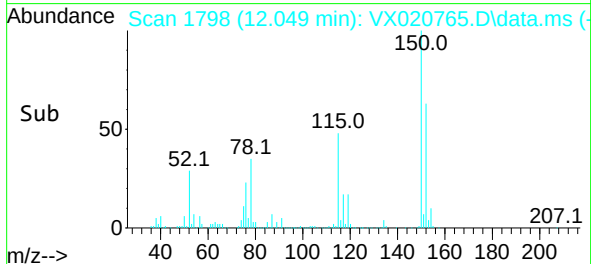
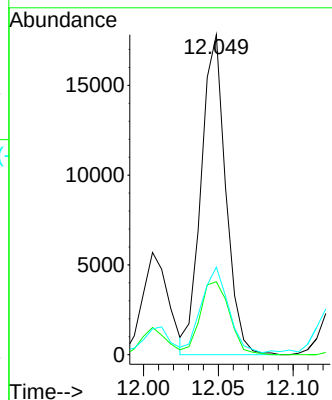
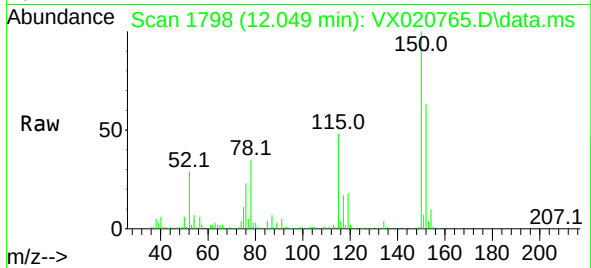




#86
p-Isopropyltoluene
Concen: 1.13 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

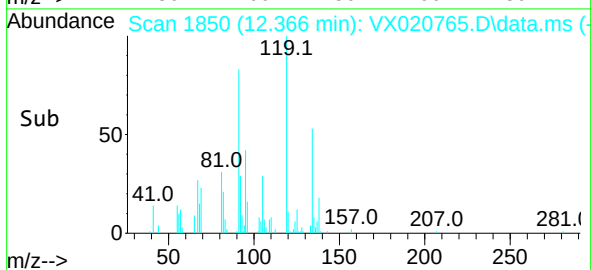
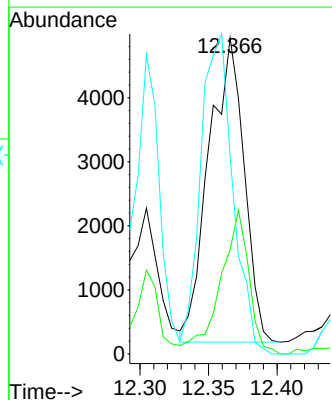
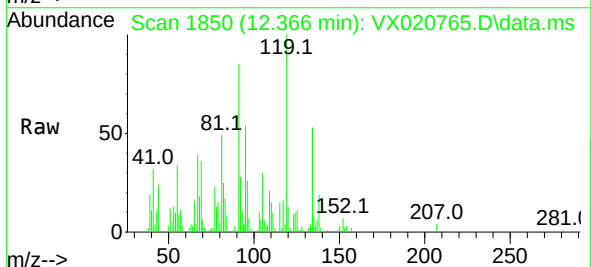
Instrument :
MSVOA_X
ClientSampleId :

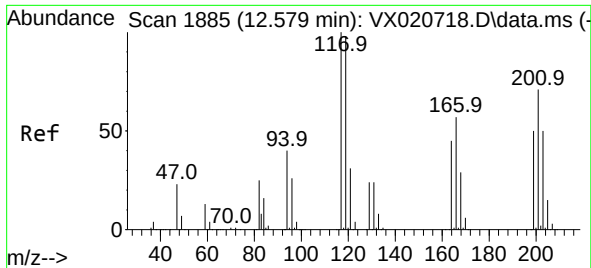
Tgt Ion:119 Resp: 20403
Ion Ratio Lower Upper
119 100
134 27.1 12.9 38.7
91 29.2 11.7 35.0



#89
n-Butylbenzene
Concen: 0.52 ug/l
RT: 12.366 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

Tgt Ion: 91 Resp: 8461
Ion Ratio Lower Upper
91 100
92 38.0 27.4 82.0
134 96.7 13.2 39.5#

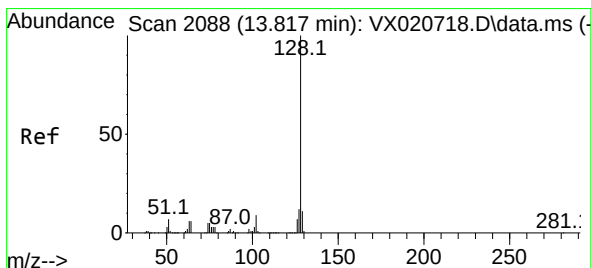
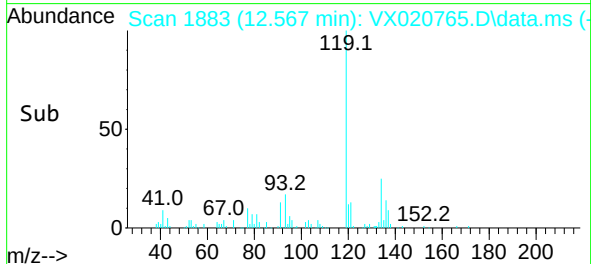
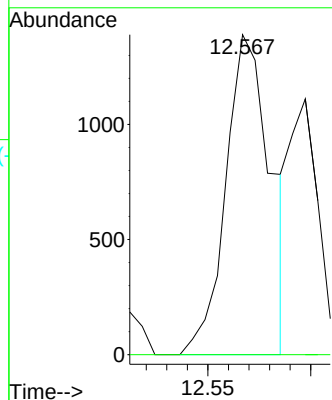
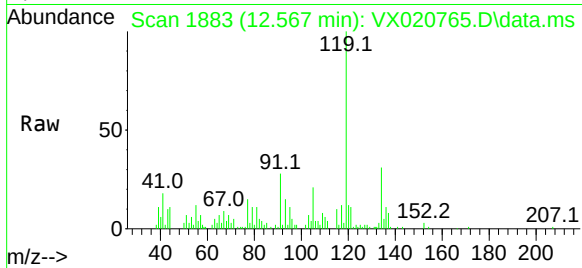




#90
Hexachloroethane
Concen: 0.65 ug/l
RT: 12.567 min Scan# 1883
Delta R.T. -0.012 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

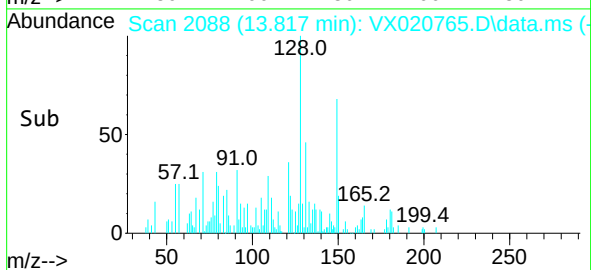
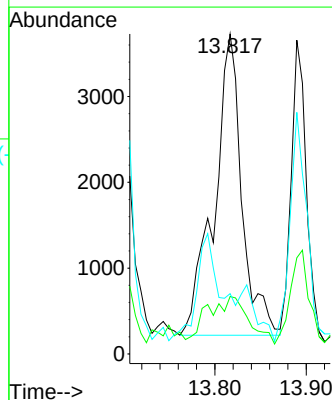
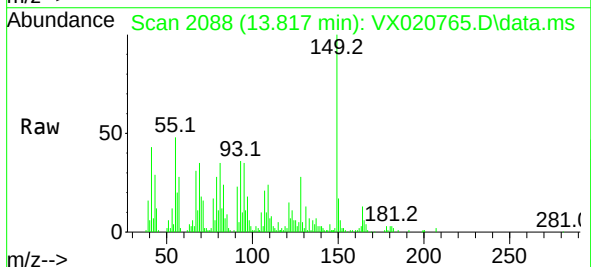
Instrument :
MSVOA_X
ClientSampled :

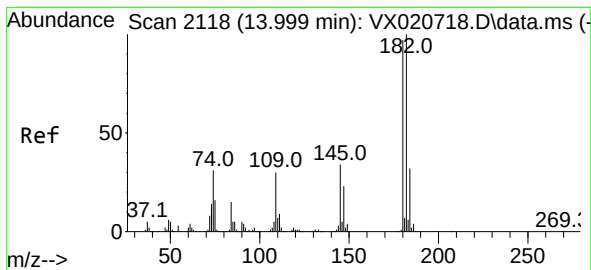
Tgt Ion:117 Resp: 2110
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 3.20 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020765.D
Acq: 26 Jan 2021 19:48

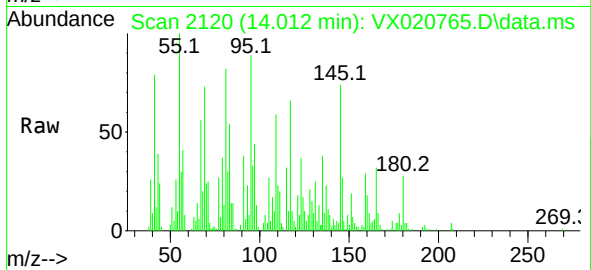
Tgt Ion:128 Resp: 7419
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.44 ug/l
 RT: 14.012 min Scan# 2120
 Delta R.T. 0.013 min
 Lab File: VX020765.D
 Acq: 26 Jan 2021 19:48

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 2494
 Ion Ratio Lower Upper
 180 100
 182 14.3 47.6 142.9#
 145 239.2 16.1 48.3#

