

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020521\
 Data File : VX020871.D
 Acq On : 05 Feb 2021 15:10
 Operator : JC/MD
 Sample : M1329-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 01:06:01 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)

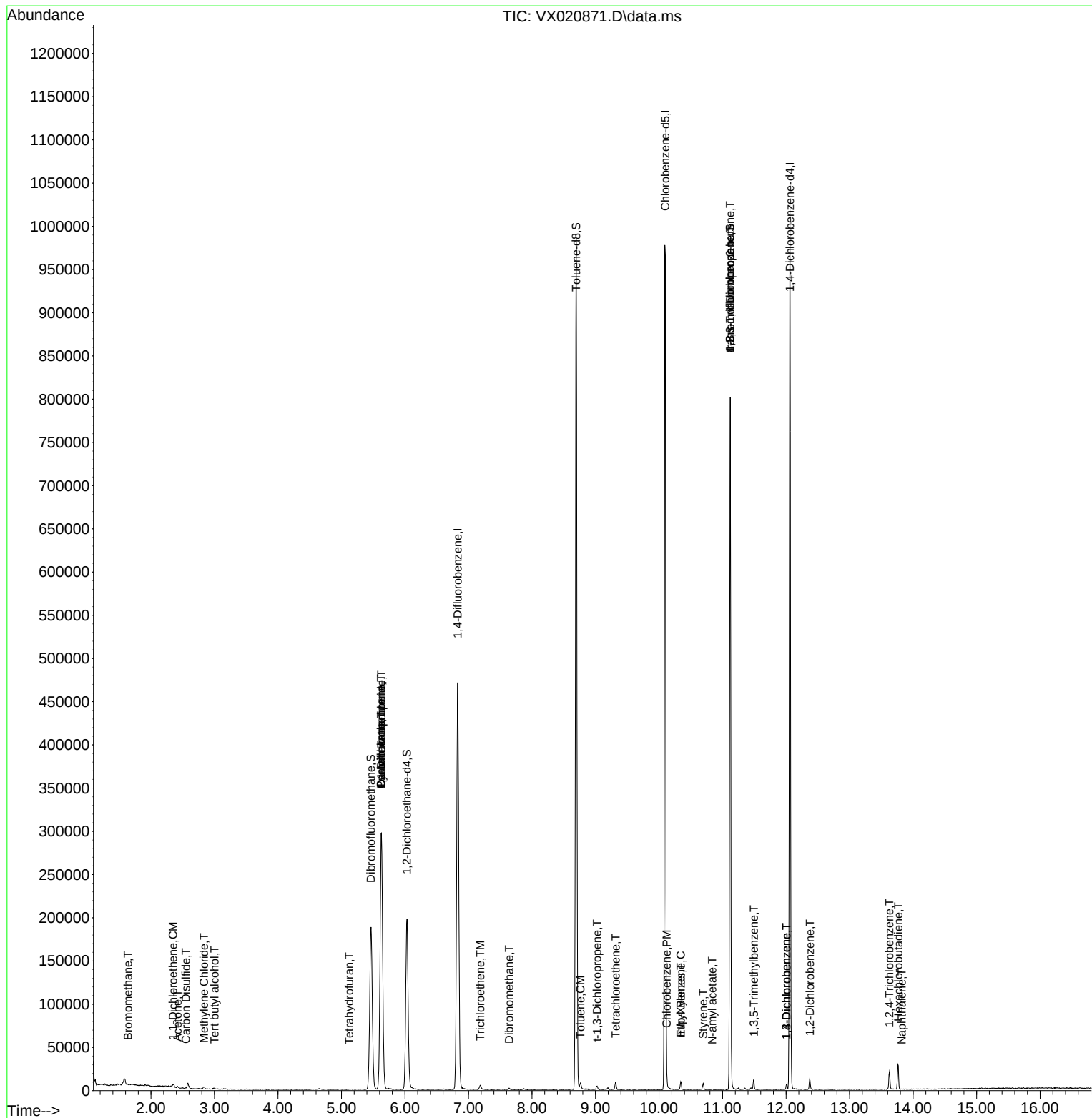
Internal Standards						
1) Pentafluorobenzene	5.623	168	281101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	474598	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	462189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	210726	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	187536	48.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.82%		
35) Dibromofluoromethane	5.464	113	162343	49.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.88%		
50) Toluene-d8	8.695	98	597435	50.13	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.26%		
62) 4-Bromofluorobenzene	11.122	95	212202	45.85	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.70%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	664	0.35	ug/l	81
11) Tert butyl alcohol	3.001	59	728	1.02	ug/l #	73
12) 1,1-Dichloroethene	2.349	96	902	0.33	ug/l #	63
16) Acetone	2.416	43	1754	1.21	ug/l	95
17) Carbon Disulfide	2.550	76	523	0.96	ug/l #	48
20) Methylene Chloride	2.837	84	1164	0.32	ug/l #	95
29) Tetrahydrofuran	5.123	42	331	0.23	ug/l #	46
31) Cyclohexane	5.623	56	5274	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	21201	4.45	ug/l #	49
38) Carbon Tetrachloride	5.629	117	29098	5.81	ug/l #	16
44) Trichloroethene	7.183	130	1851	0.50	ug/l	85
46) Dibromomethane	7.641	93	571	0.23	ug/l	94
52) Toluene	8.762	92	2435	0.28	ug/l	99
53) t-1,3-Dichloropropene	9.025	75	2063	0.38	ug/l #	87
64) Tetrachloroethene	9.317	164	1366	0.39	ug/l #	84
65) Chlorobenzene	10.122	112	2411	0.24	ug/l #	87
67) Ethyl Benzene	10.341	91	4217	0.24	ug/l #	70
68) m/p-Xylenes	10.341	106	2075	0.32	ug/l	100
70) Styrene	10.695	104	2794	0.27	ug/l #	87
74) N-amyl acetate	10.835	43	59	2.02	ug/l #	38
76) 1,2,3-Trichloropropane	11.122	75	101953	20.86	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.494	105	4957	0.38	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.122	75	101953	58.46	ug/l #	12
87) 1,3-Dichlorobenzene	12.006	146	2215	0.32	ug/l	95
88) 1,4-Dichlorobenzene	12.006	146	2215	0.30	ug/l	94
91) 1,2-Dichlorobenzene	12.378	146	3847	0.57	ug/l	97
93) 1,2,4-Trichlorobenzene	13.627	180	5049	1.15	ug/l	90
94) Hexachlorobutadiene	13.768	225	4548	2.20	ug/l	97
95) Naphthalene	13.823	128	264	2.89	ug/l #	69

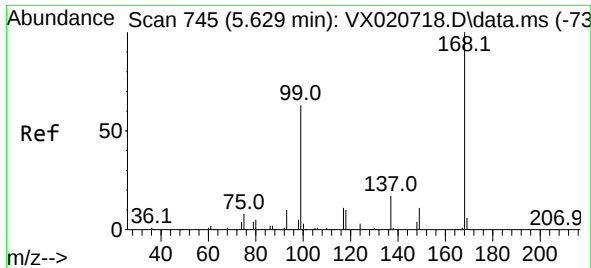
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020521\
Data File : VX020871.D
Acq On : 05 Feb 2021 15:10
Operator : JC/MD
Sample : M1329-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

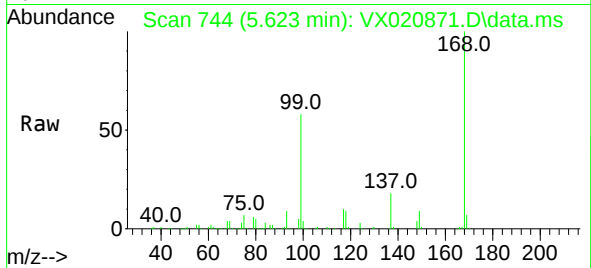
Quant Time: Feb 06 01:06:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
Response via : Initial Calibration



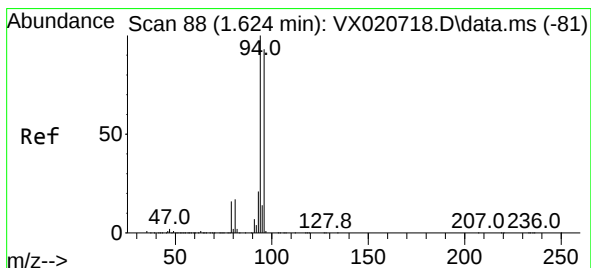
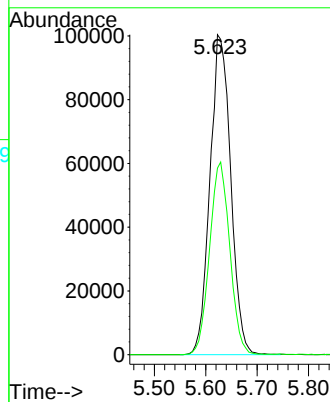
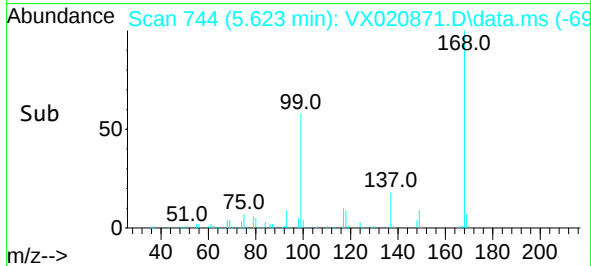


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

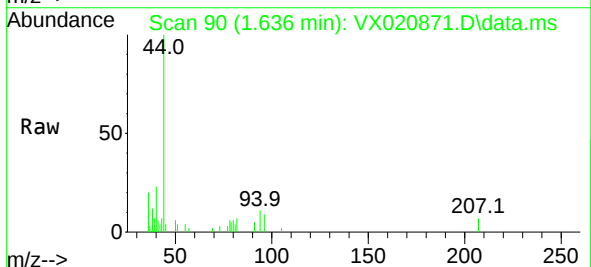
Instrument :
MSVOA_X
ClientSampleId :



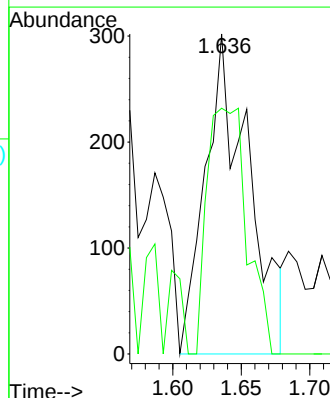
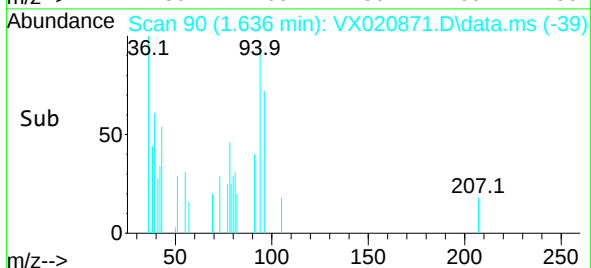
Tgt Ion:168 Resp: 281101
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6

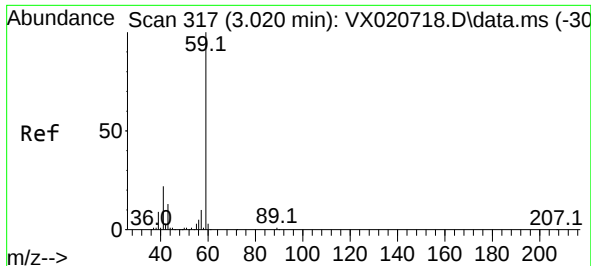


#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10



Tgt Ion: 94 Resp: 664
Ion Ratio Lower Upper
94 100
96 76.8 76.4 114.6



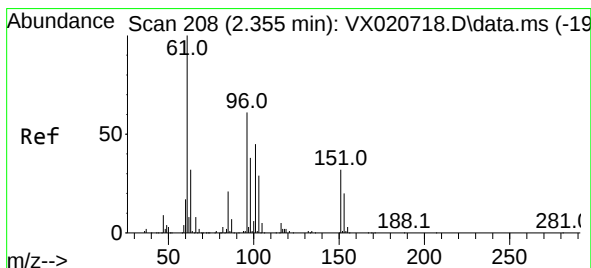
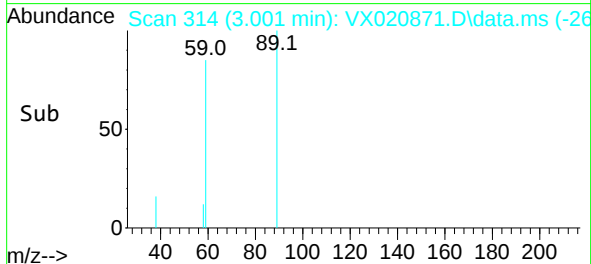
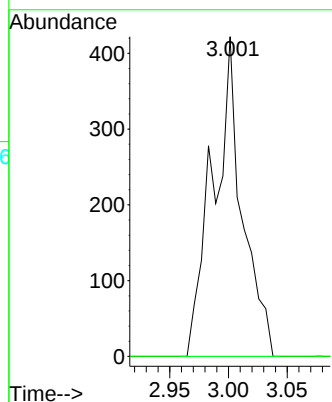
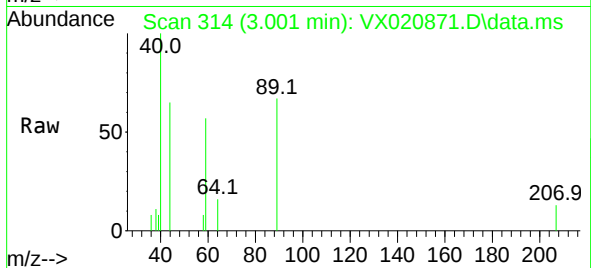


#11

Tert butyl alcohol
Concen: 1.02 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.019 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Instrument :
MSVOA_X
ClientSampled :

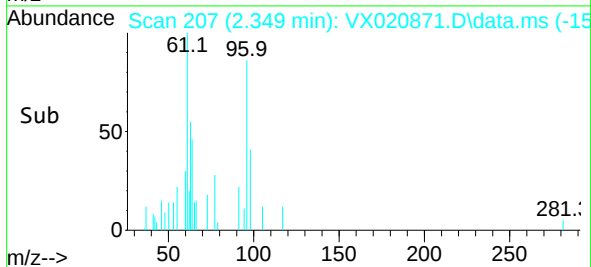
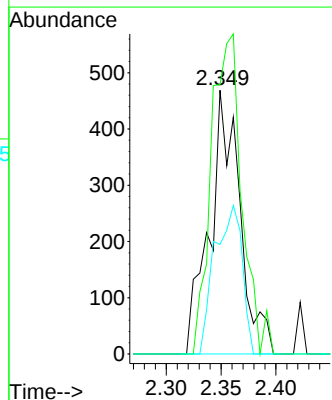
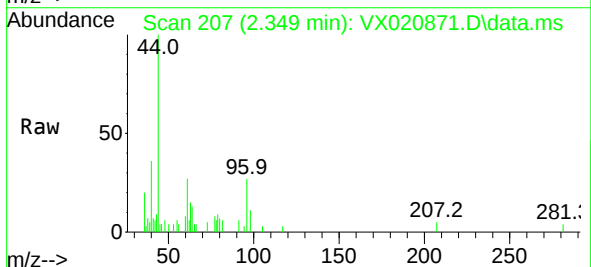
Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

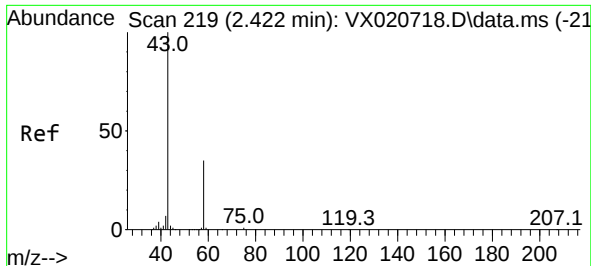


#12

1,1-Dichloroethene
Concen: 0.33 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 96 Resp: 902
Ion Ratio Lower Upper
96 100
61 102.1 124.6 187.0#
98 41.6 50.6 76.0#

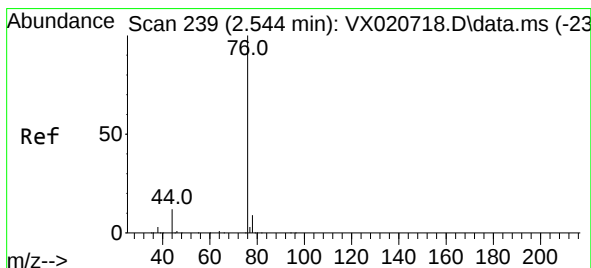
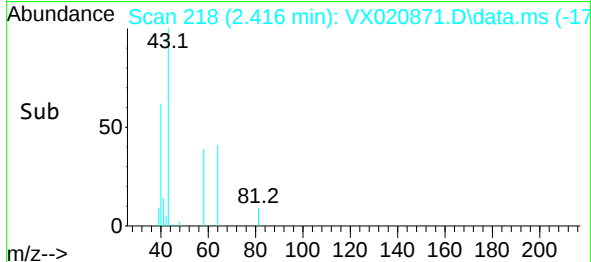
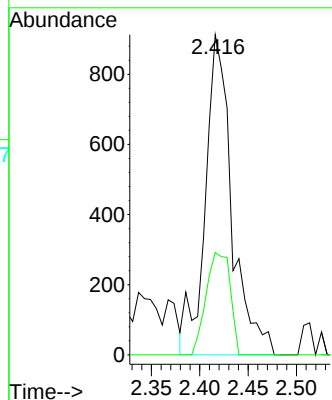
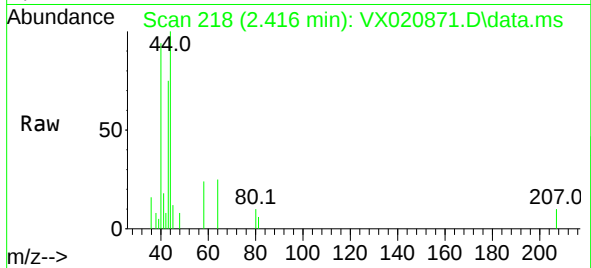




#16
Acetone
Concen: 1.21 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

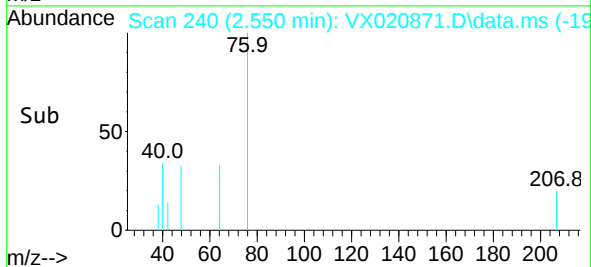
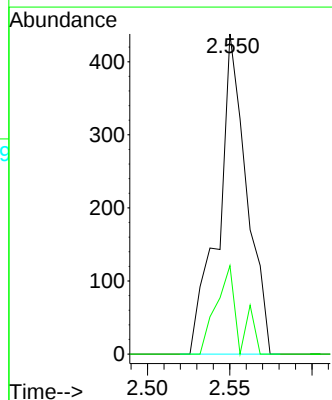
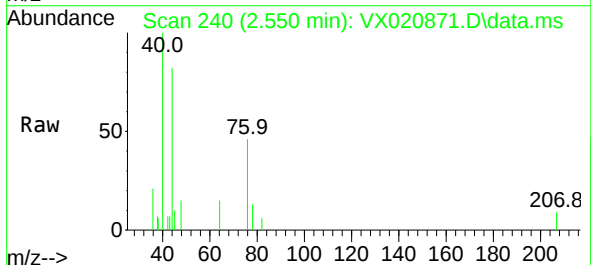
Instrument :
MSVOA_X
ClientSampleId :

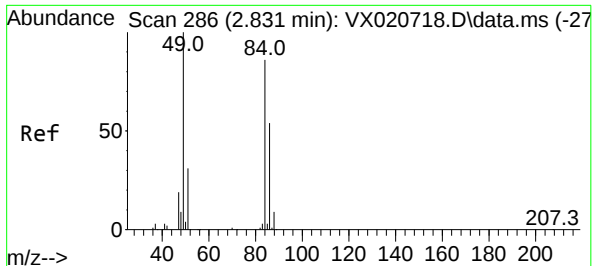
Tgt Ion: 43 Resp: 1754
Ion Ratio Lower Upper
43 100
58 32.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.96 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

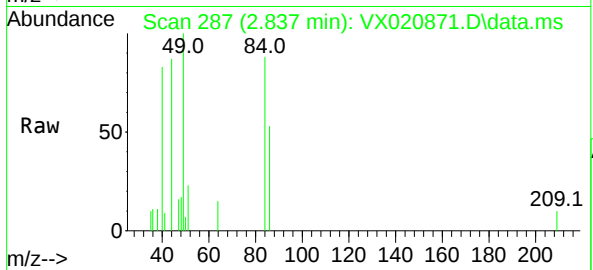
Tgt Ion: 76 Resp: 523
Ion Ratio Lower Upper
76 100
78 27.6 7.2 10.8#





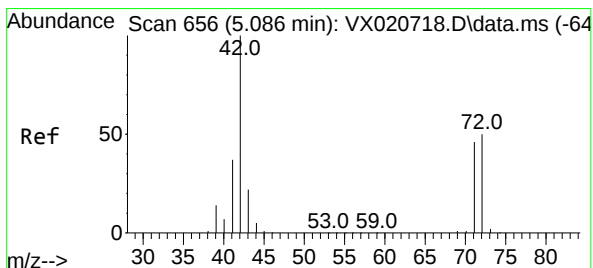
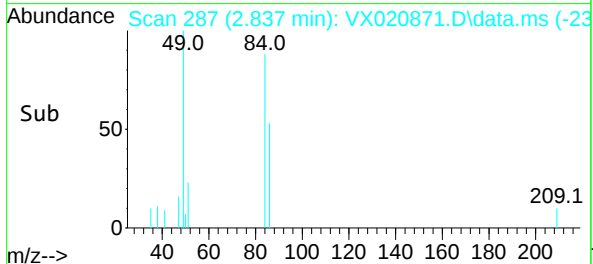
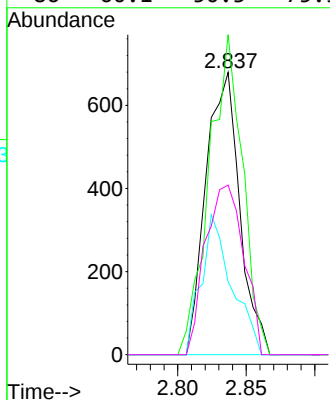
#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 1164

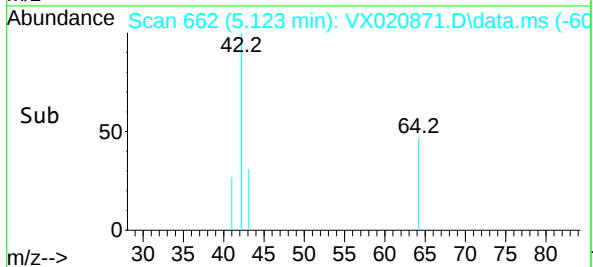
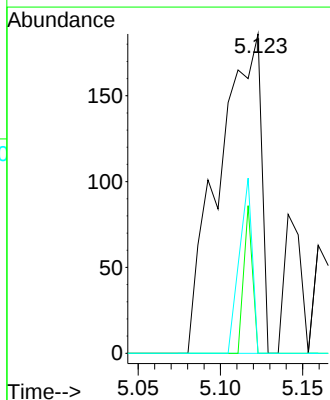
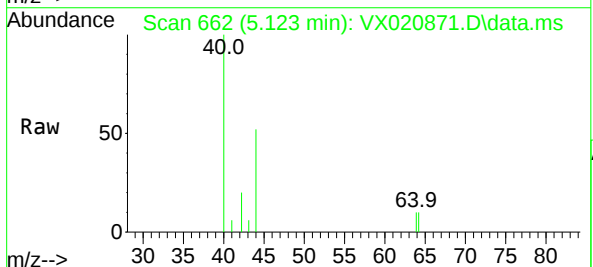
Ion	Ratio	Lower	Upper
84	100		
49	113.4	88.6	132.8
51	25.9	27.0	40.6#
86	60.1	50.3	75.5

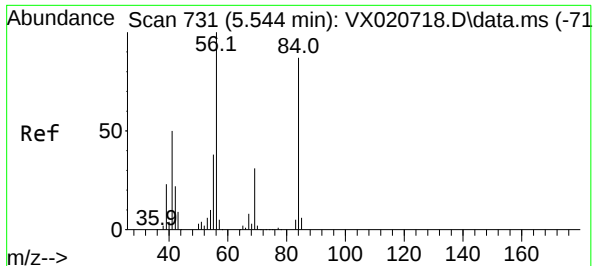


#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 5.123 min Scan# 662
Delta R.T. 0.037 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 42 Resp: 331

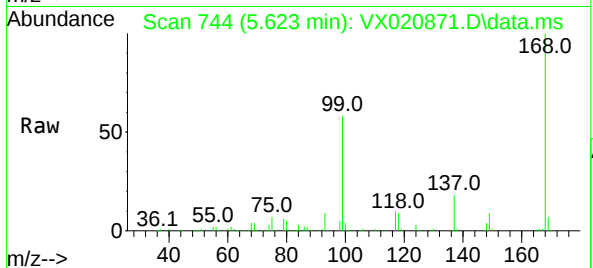
Ion	Ratio	Lower	Upper
42	100		
72	9.4	41.7	62.5#
71	16.9	38.4	57.6#



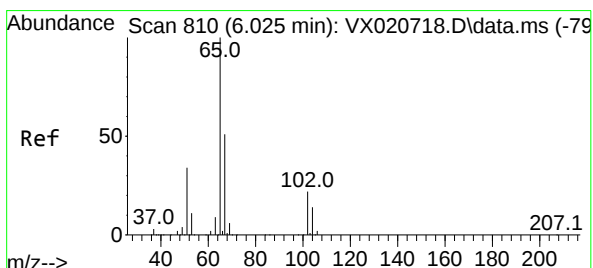
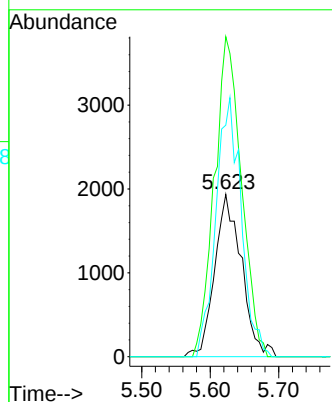
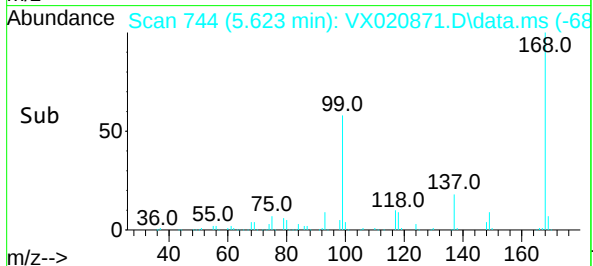


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.079 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

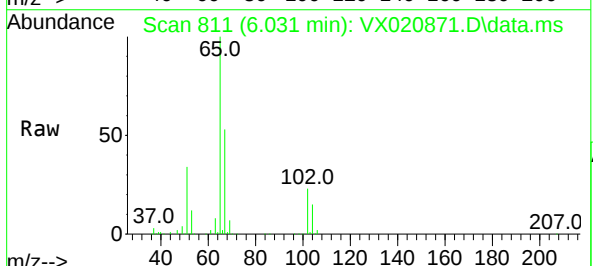
Instrument :
MSVOA_X
ClientSampleId :



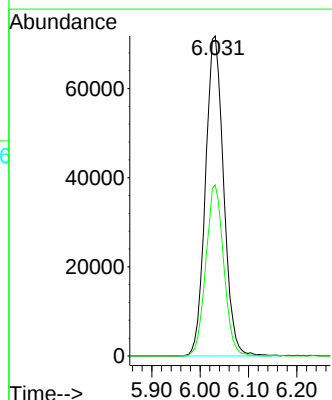
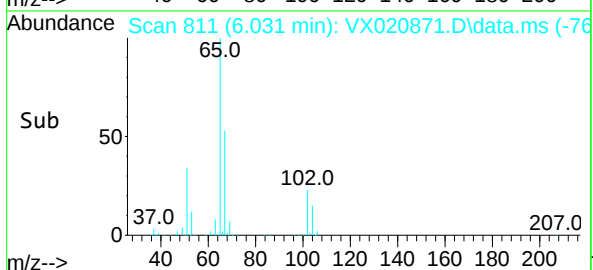
Tgt Ion: 56 Resp: 5274
Ion Ratio Lower Upper
56 100
69 197.2 25.3 37.9#
84 142.7 71.4 107.0#

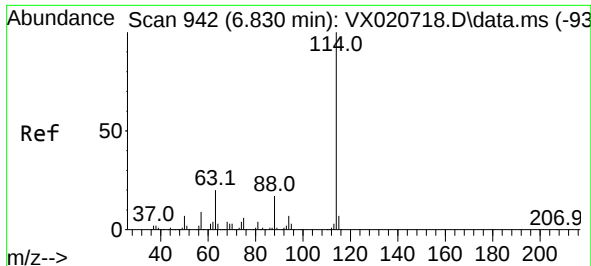


#33
1,2-Dichloroethane-d4
Concen: 48.91 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10



Tgt Ion: 65 Resp: 187536
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

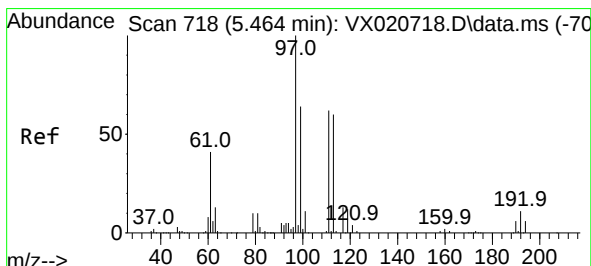
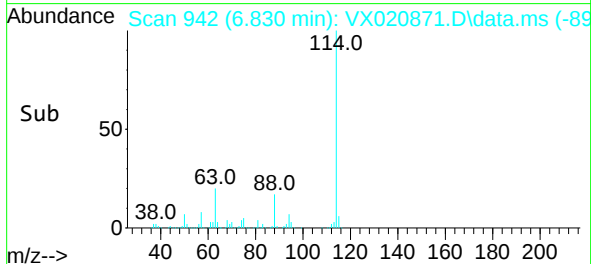
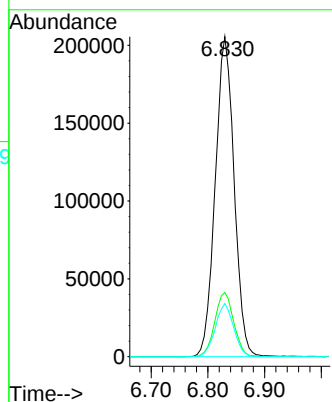
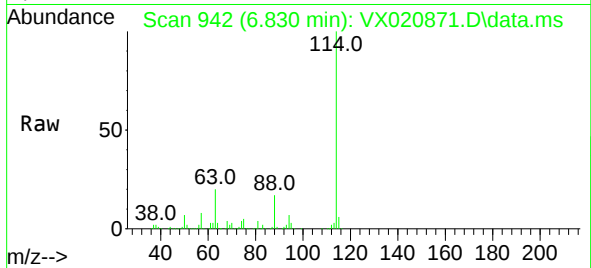




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

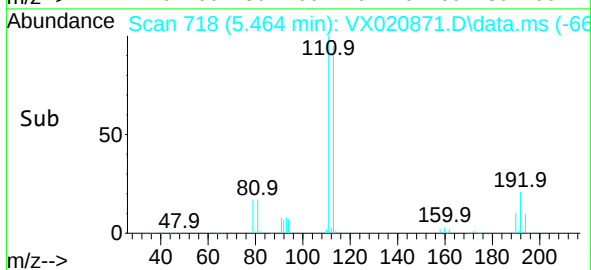
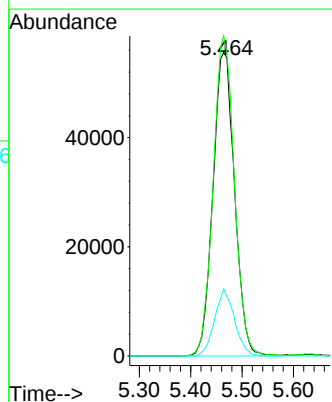
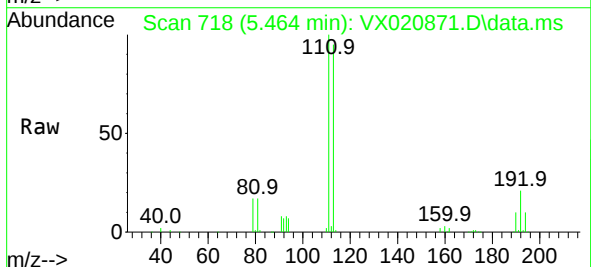
Instrument :
MSVOA_X
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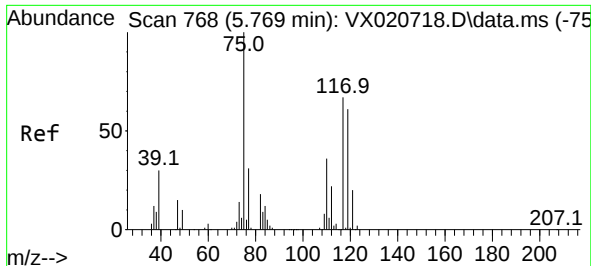
Tgt Ion:114 Resp: 474598
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.94 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:113 Resp: 162343
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 20.3 16.7 25.1

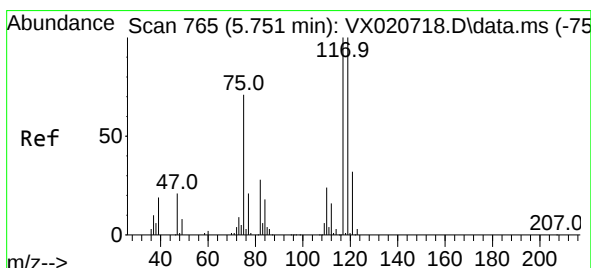
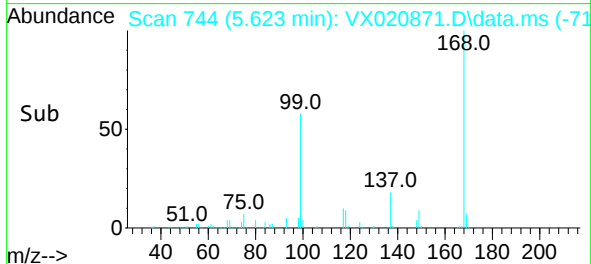
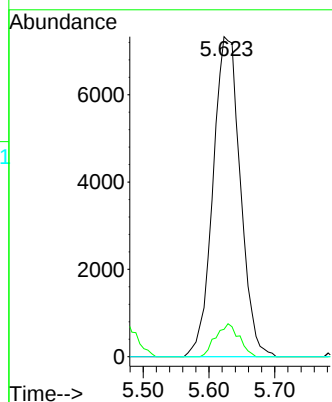
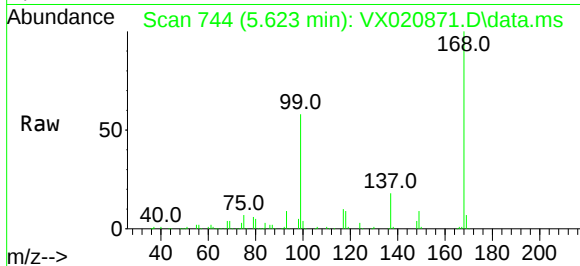




#36
1,1-Dichloropropene
Concen: 4.45 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

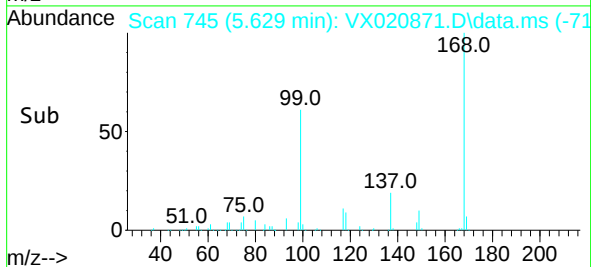
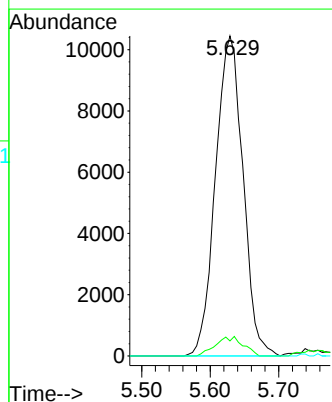
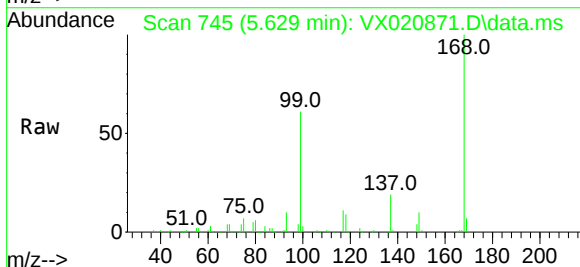
Instrument :
MSVOA_X
ClientSampled :

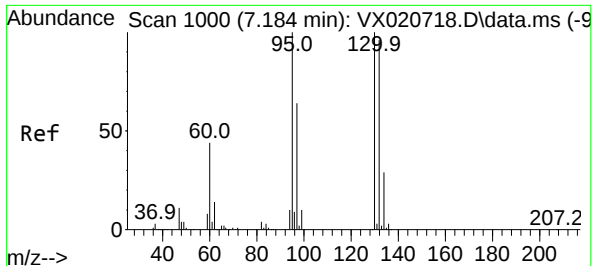
Tgt Ion:	75	Resp:	21201
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#



#38
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:	117	Resp:	29098
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 0.50 ug/l

RT: 7.183 min Scan# 1000

Delta R.T. -0.001 min

Lab File: VX020871.D

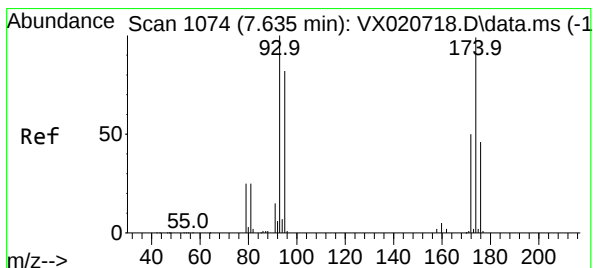
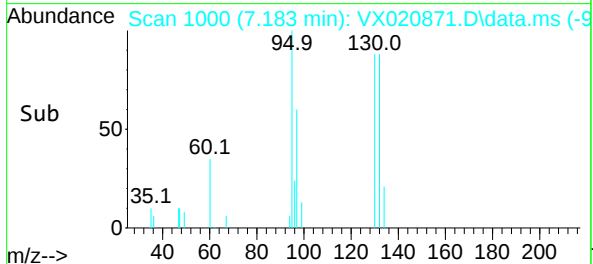
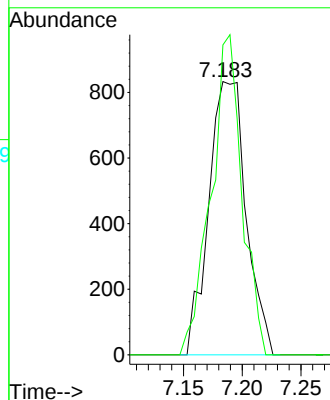
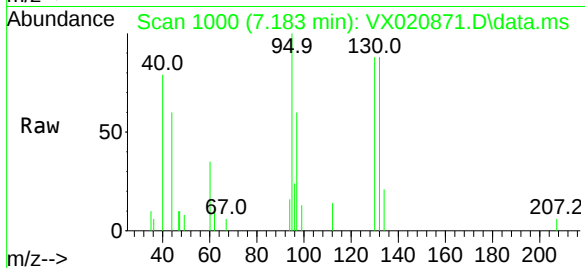
Acq: 05 Feb 2021 15:10

Tgt Ion:130 Resp: 1851

Ion Ratio Lower Upper

130 100

95 113.4 0.0 198.0



#46

Dibromomethane

Concen: 0.23 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VX020871.D

Acq: 05 Feb 2021 15:10

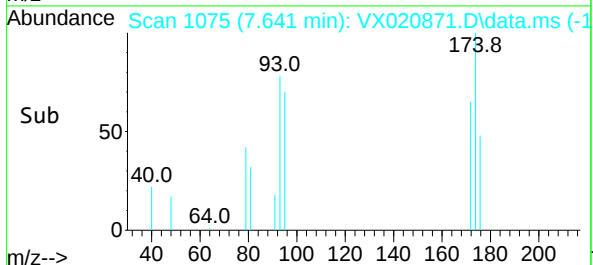
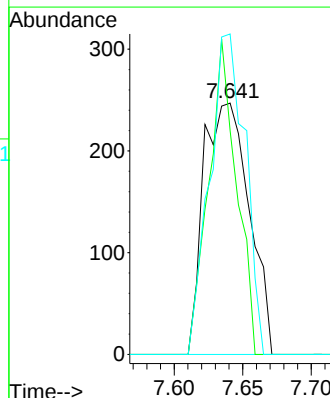
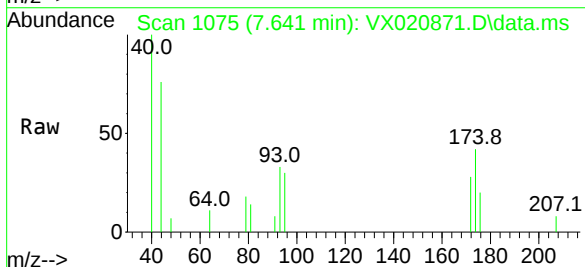
Tgt Ion: 93 Resp: 571

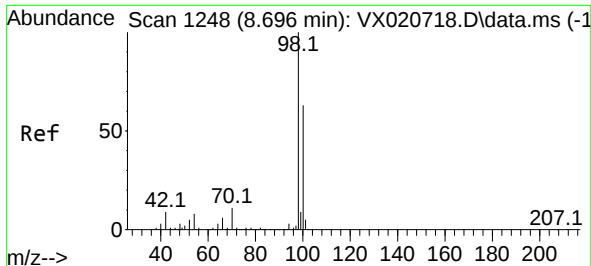
Ion Ratio Lower Upper

93 100

95 76.9 66.8 100.2

174 99.3 83.1 124.7

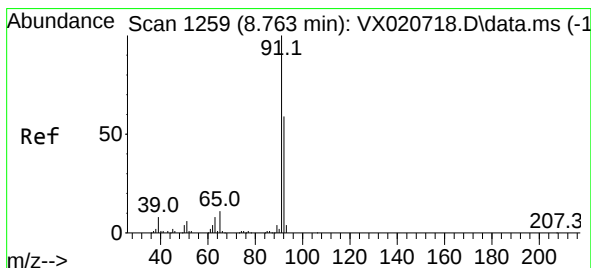
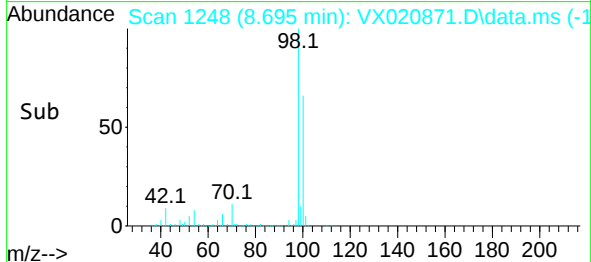
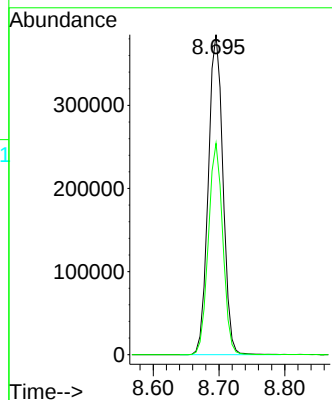
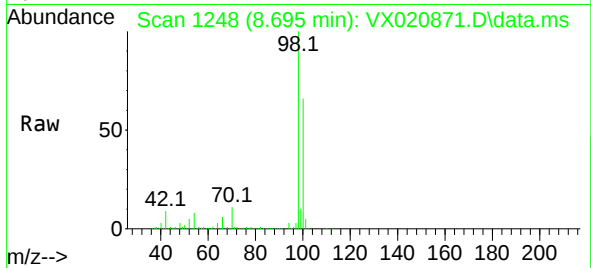




#50
Toluene-d8
Concen: 50.13 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

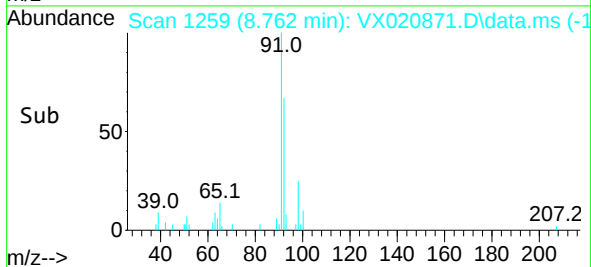
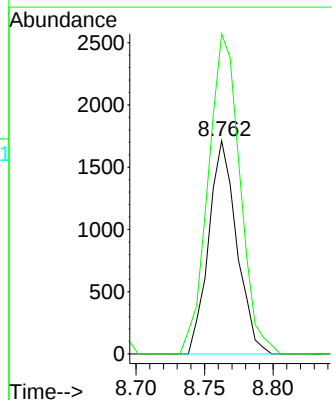
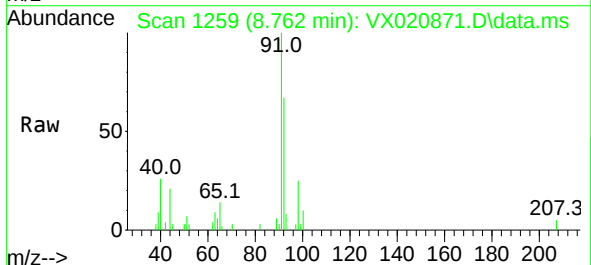
Instrument :
MSVOA_X
ClientSampled :

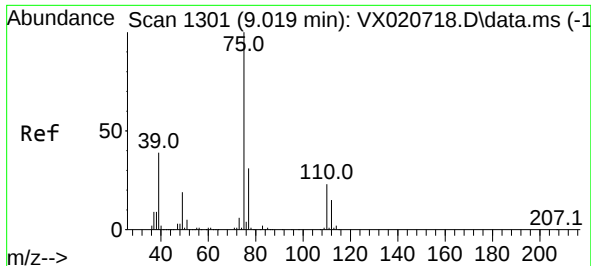
Tgt Ion: 98 Resp: 597435
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#52
Toluene
Concen: 0.28 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. -0.001 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 92 Resp: 2435
Ion Ratio Lower Upper
92 100
91 170.4 137.1 205.7

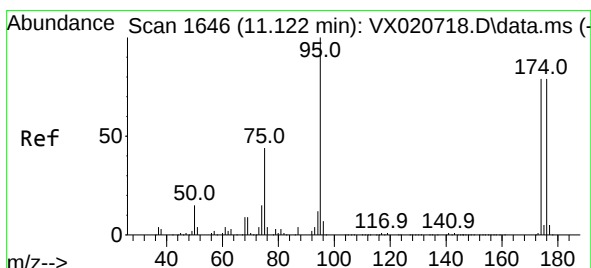
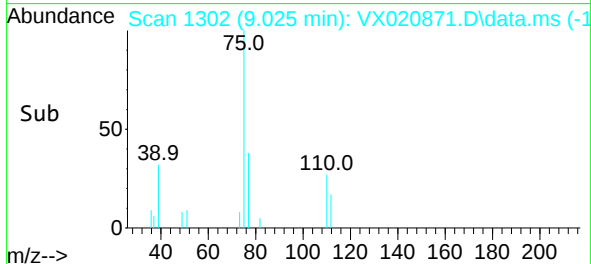
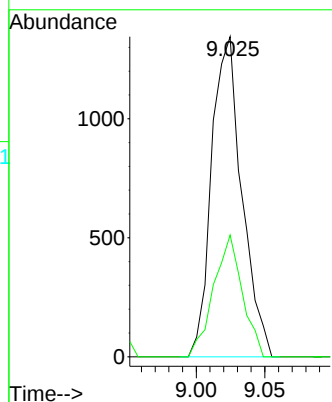
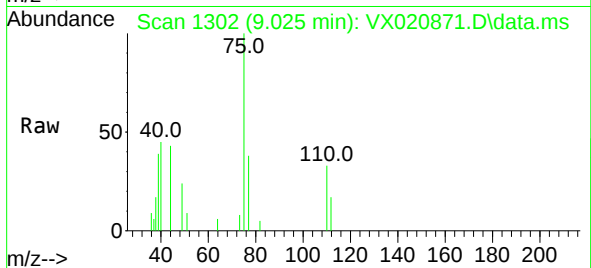




#53
t-1,3-Dichloropropene
Concen: 0.38 ug/l
RT: 9.025 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

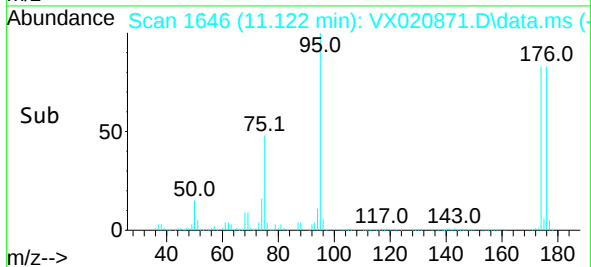
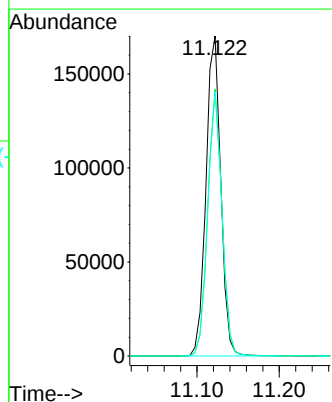
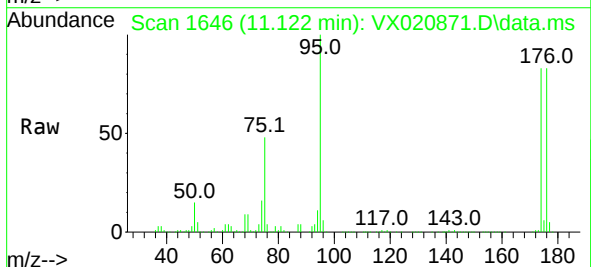
Instrument :
MSVOA_X
ClientSampled :

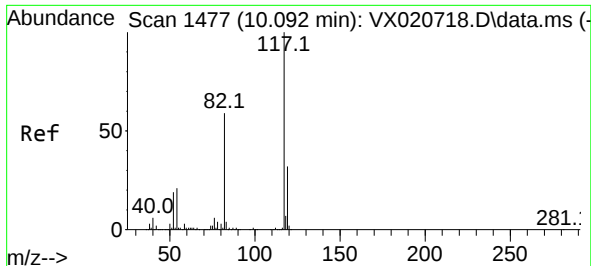
Tgt Ion: 75 Resp: 2063
Ion Ratio Lower Upper
75 100
77 38.0 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 45.85 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 95 Resp: 212202
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 79.4 0.0 155.8

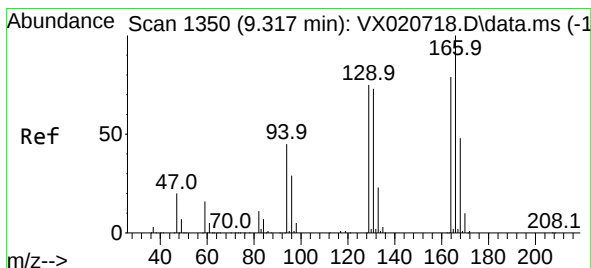
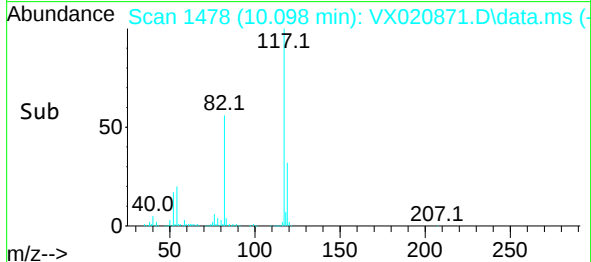
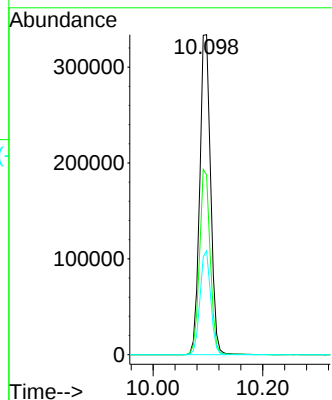
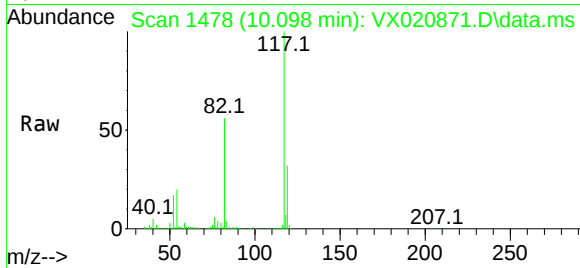




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

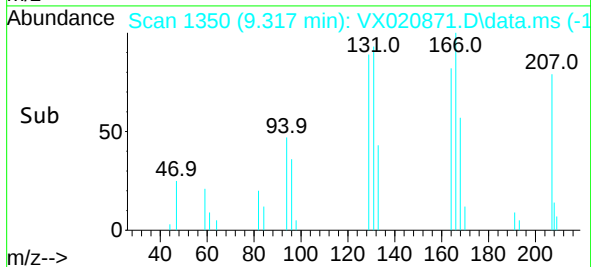
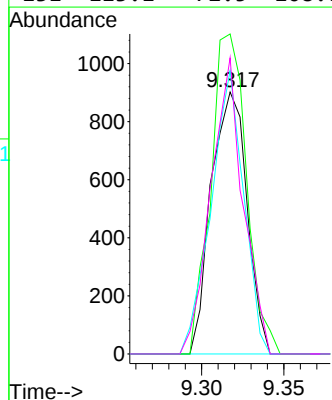
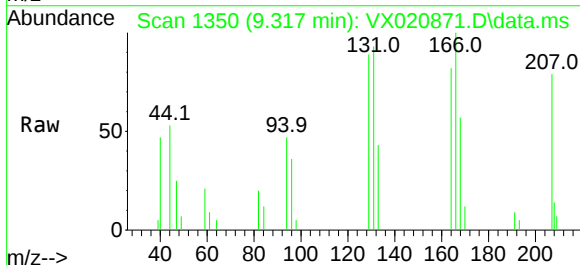
Instrument :
MSVOA_X
ClientSampleId :

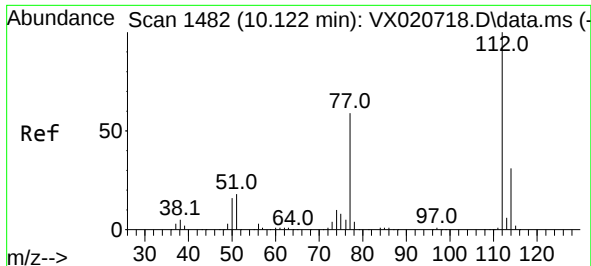
Tgt Ion:117 Resp: 462189
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 0.39 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:164 Resp: 1366
Ion Ratio Lower Upper
164 100
166 122.2 103.4 155.2
129 108.2 70.8 106.2#
131 113.1 72.5 108.7#

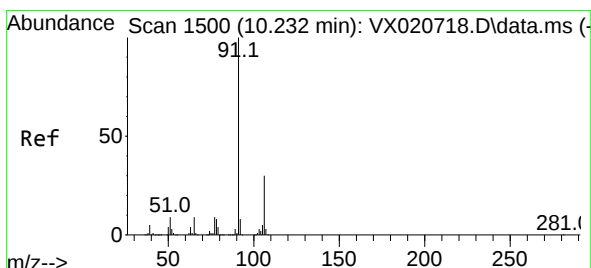
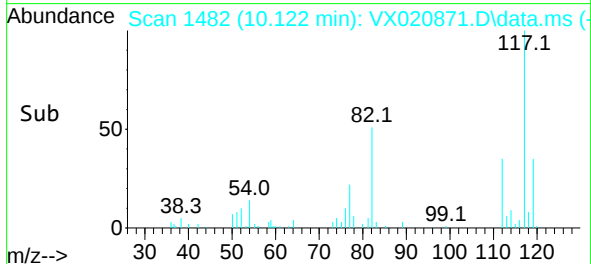
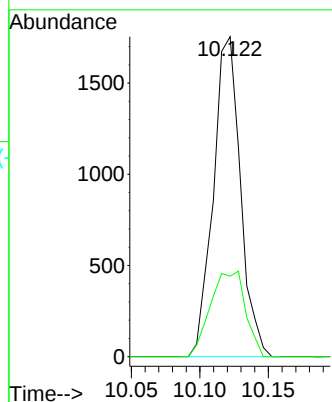
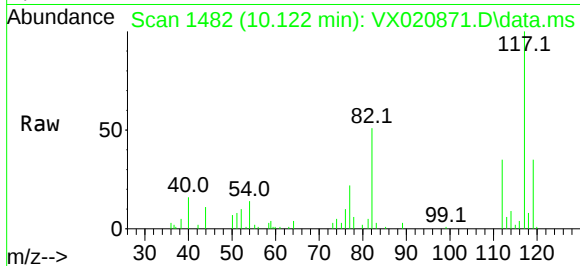




#65
Chlorobenzene
Concen: 0.24 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. -0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

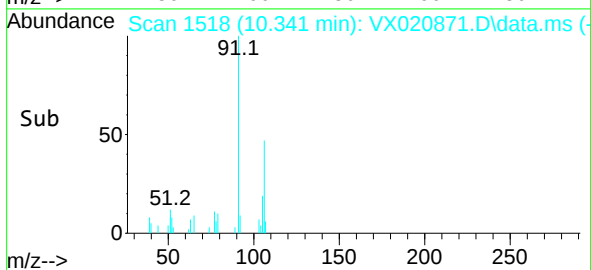
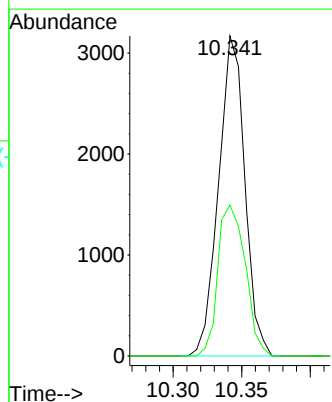
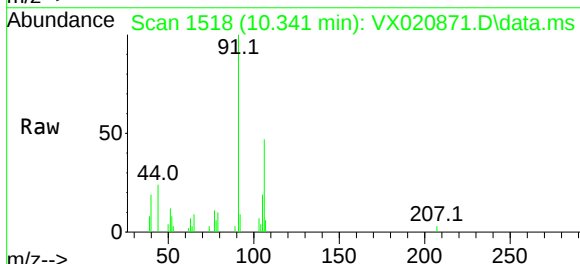
Instrument :
MSVOA_X
ClientSampled :

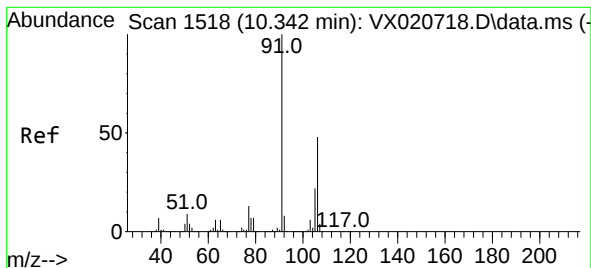
Tgt Ion:112 Resp: 2411
Ion Ratio Lower Upper
112 100
114 25.1 25.8 38.6#



#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.109 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 91 Resp: 4217
Ion Ratio Lower Upper
91 100
106 47.2 24.6 37.0#

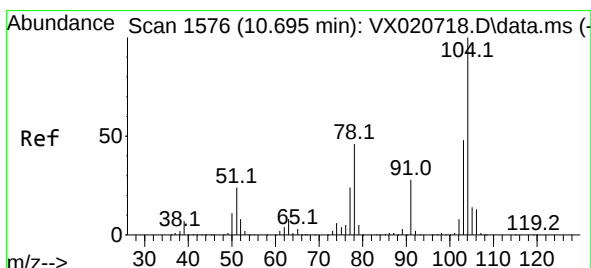
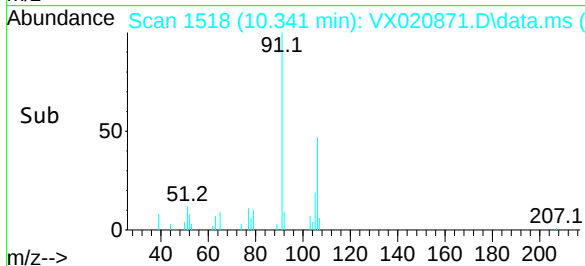
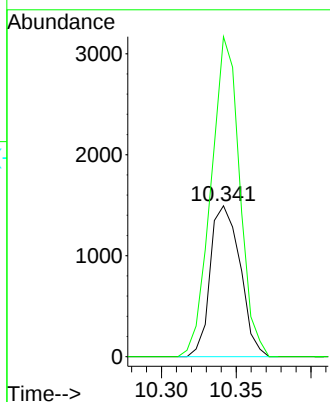
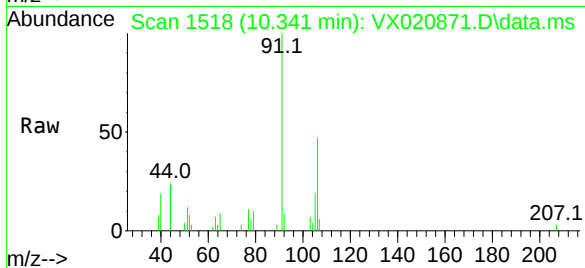




#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. -0.001 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

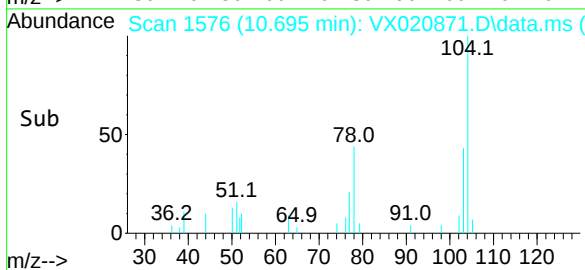
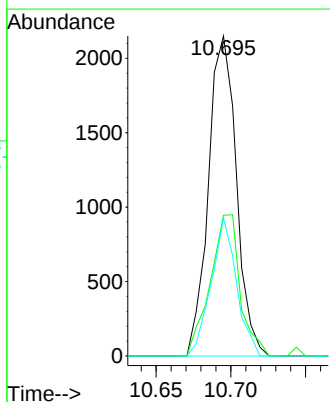
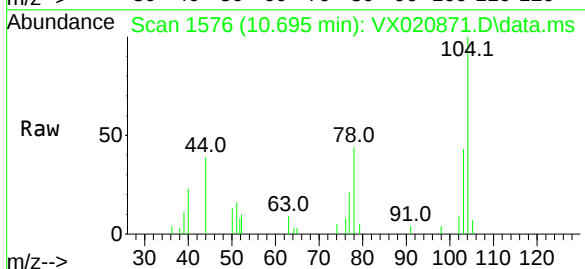
Instrument :
MSVOA_X
ClientSampled :

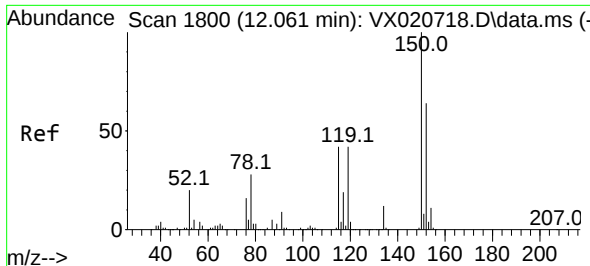
Tgt Ion:106 Resp: 2075
Ion Ratio Lower Upper
106 100
91 203.2 162.8 244.2



#70
Styrene
Concen: 0.27 ug/l
RT: 10.695 min Scan# 1576
Delta R.T. 0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:104 Resp: 2794
Ion Ratio Lower Upper
104 100
78 47.3 40.0 60.0
103 39.0 43.4 65.0#

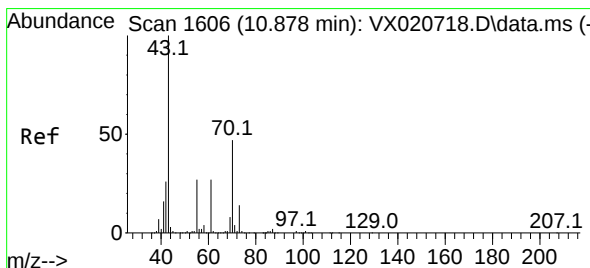
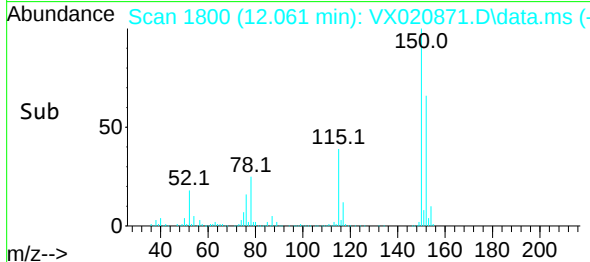
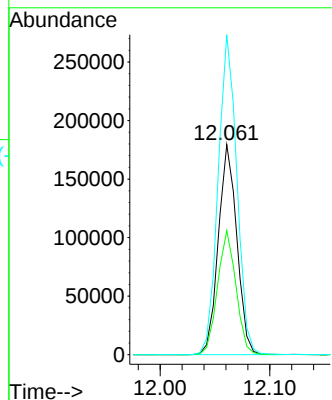
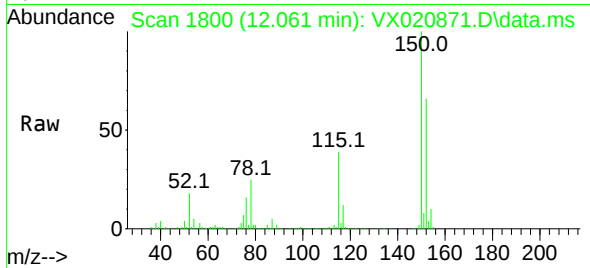




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

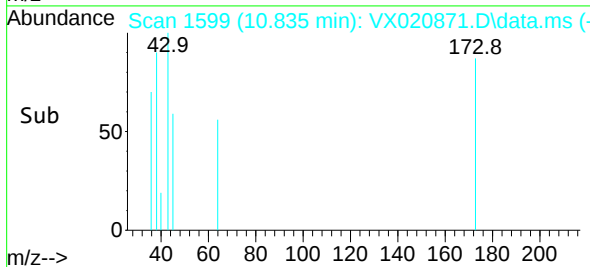
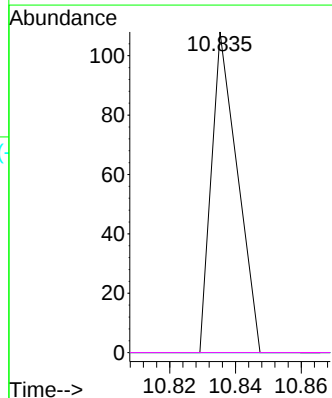
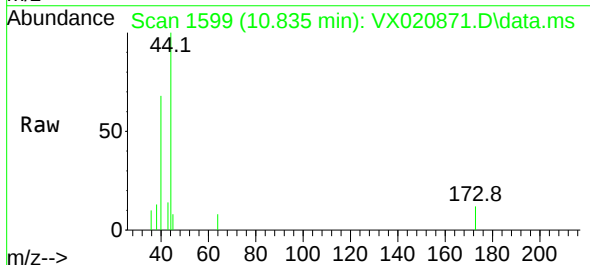
Instrument :
MSVOA_X
ClientSampleId :

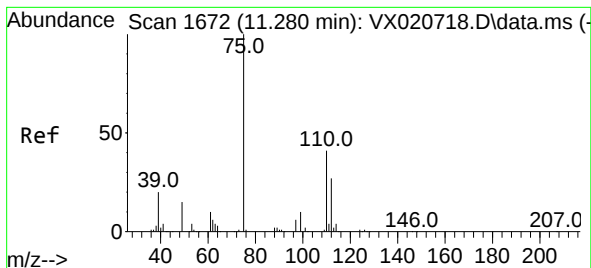
Tgt Ion:152 Resp: 210726
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 154.1 0.0 349.0



#74
N-ethyl acetate
Concen: 2.02 ug/l
RT: 10.835 min Scan# 1599
Delta R.T. -0.043 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 43 Resp: 59
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#

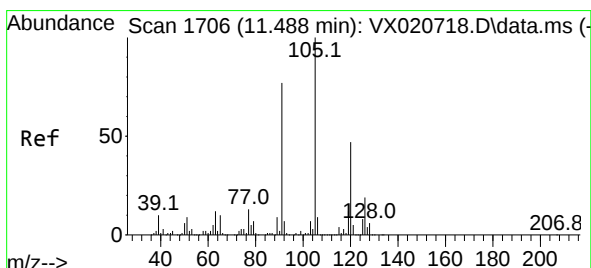
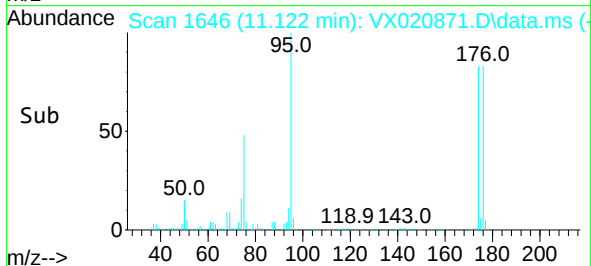
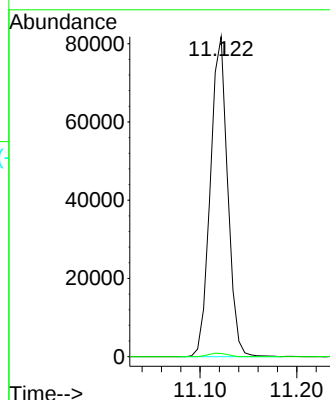
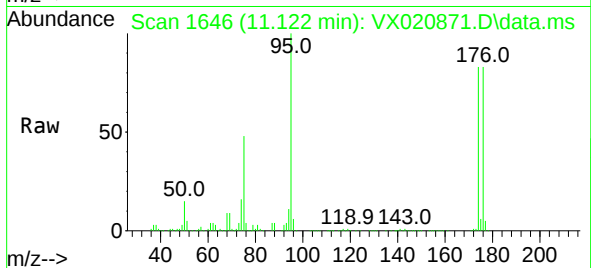




#76
1,2,3-Trichloropropane
Concen: 20.86 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

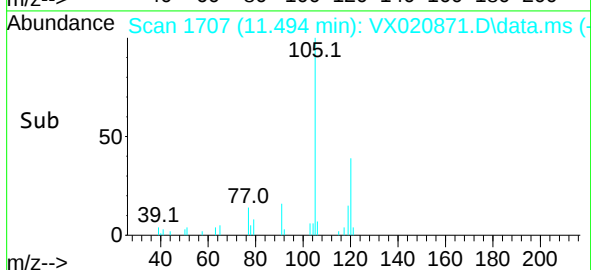
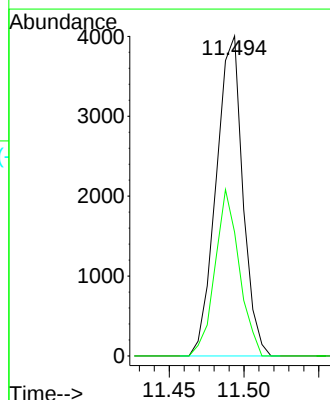
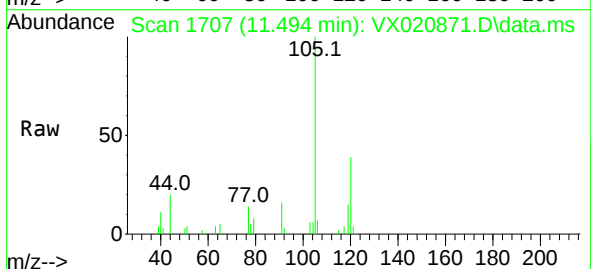
Instrument :
MSVOA_X
ClientSampled :

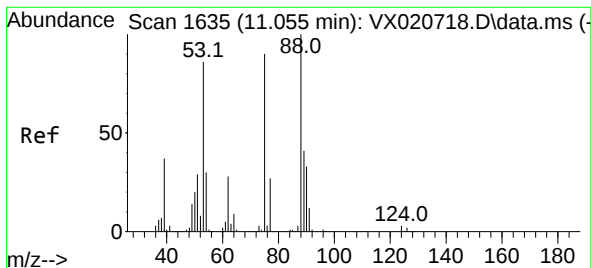
Tgt Ion: 75 Resp: 101953
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.38 ug/l
RT: 11.494 min Scan# 1707
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion: 105 Resp: 4957
Ion Ratio Lower Upper
105 100
120 47.2 23.8 71.5

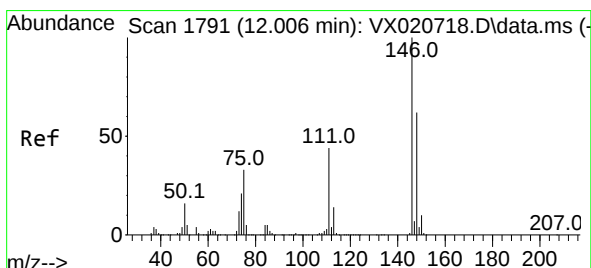
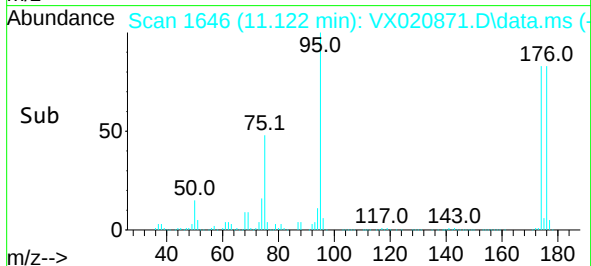
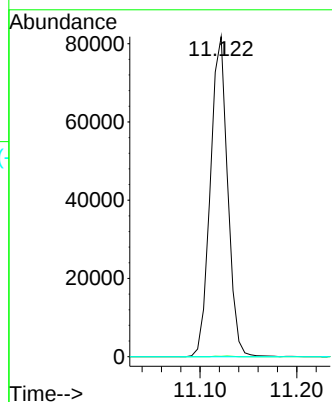
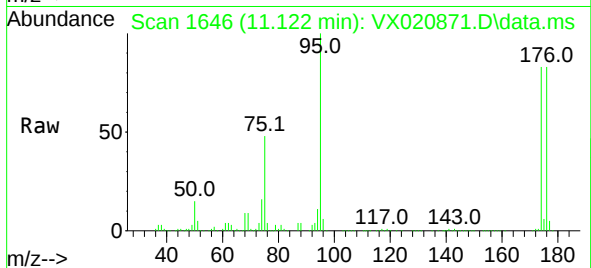




#81
trans-1,4-Dichloro-2-butene
Concen: 58.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

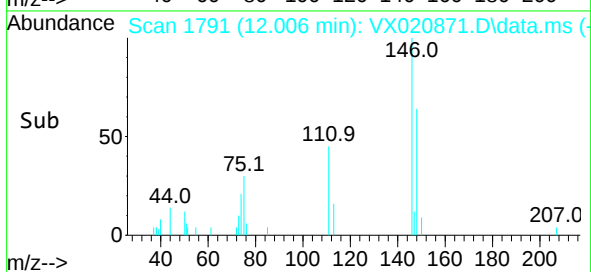
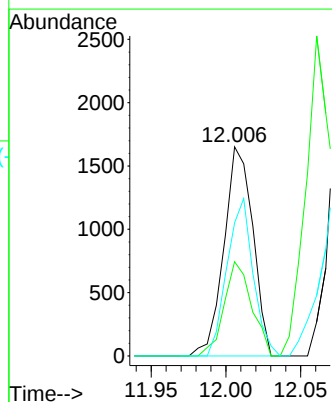
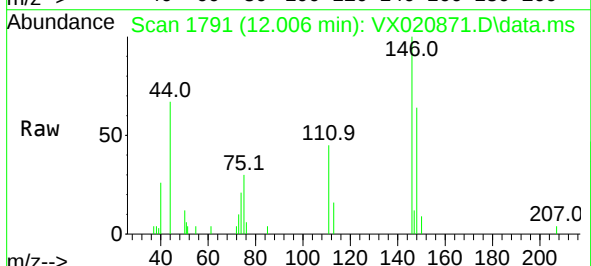
Instrument :
MSVOA_X
ClientSampleId :

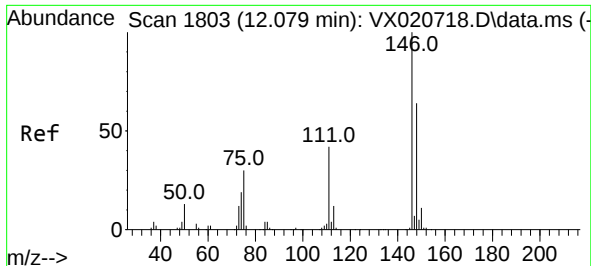
Tgt Ion: 75 Resp: 101953
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.32 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

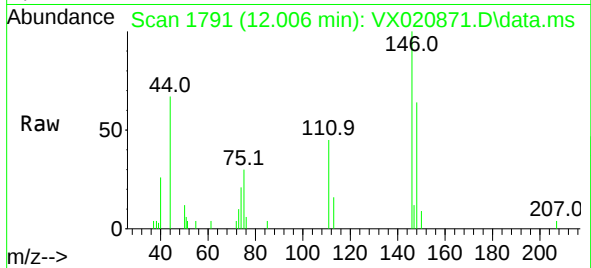
Tgt Ion:146 Resp: 2215
Ion Ratio Lower Upper
146 100
111 43.0 20.2 60.5
148 67.9 31.9 95.7



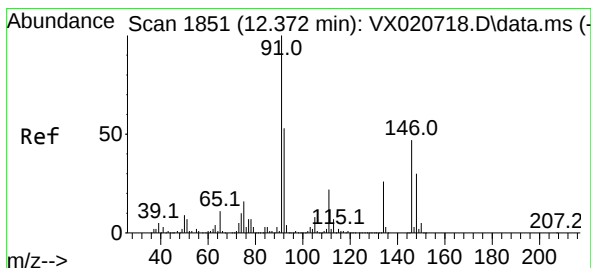
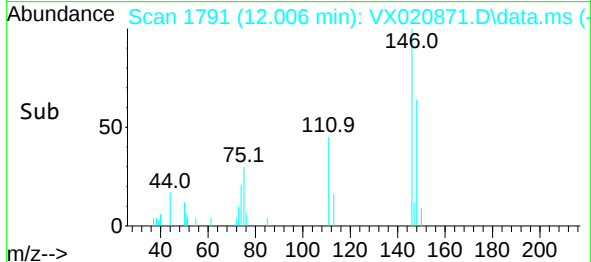
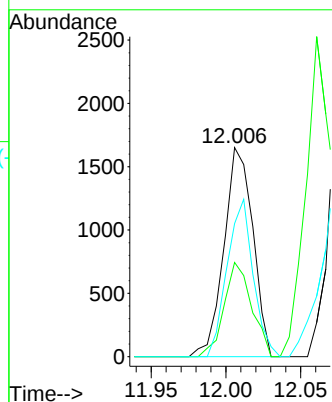


#88
1,4-Dichlorobenzene
Concen: 0.30 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.073 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Instrument :
MSVOA_X
ClientSampled :

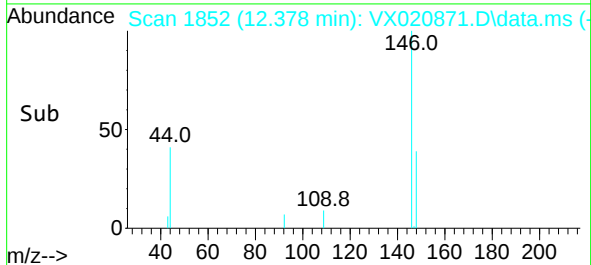
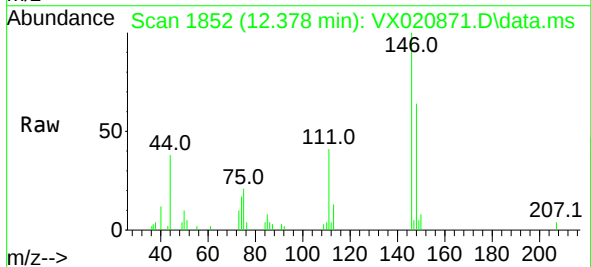
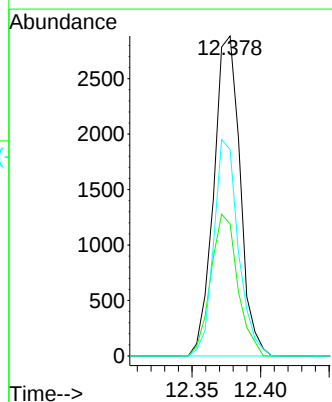


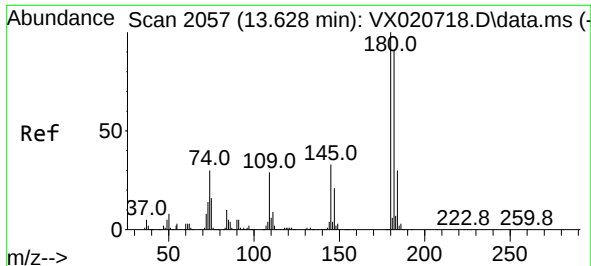
Tgt Ion:146 Resp: 2215
Ion Ratio Lower Upper
146 100
111 43.0 19.6 58.8
148 67.9 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 0.57 ug/l
RT: 12.378 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:146 Resp: 3847
Ion Ratio Lower Upper
146 100
111 45.3 20.8 62.2
148 63.3 31.9 95.5

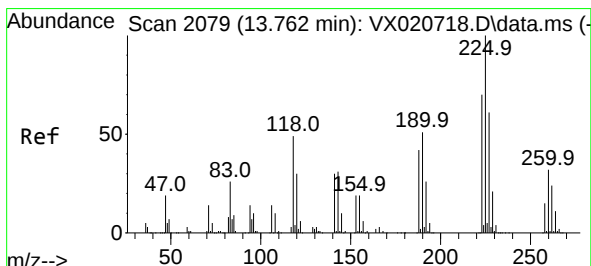
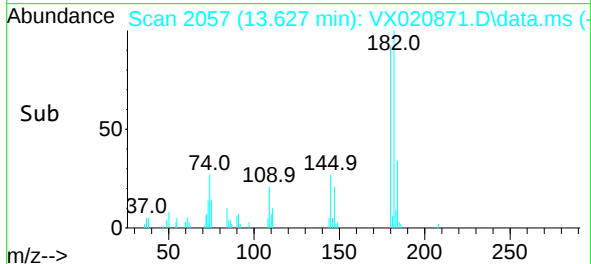
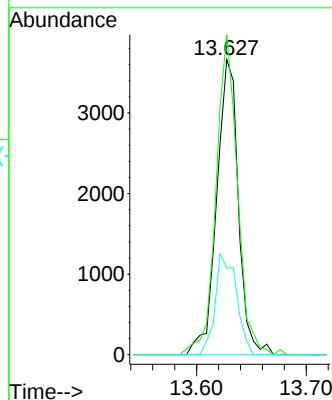
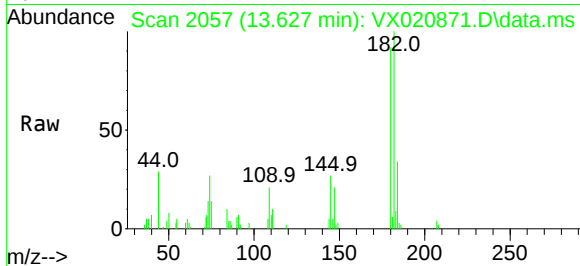




#93
1,2,4-Trichlorobenzene
Concen: 1.15 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. -0.001 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

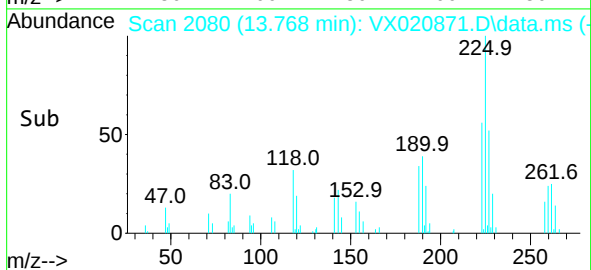
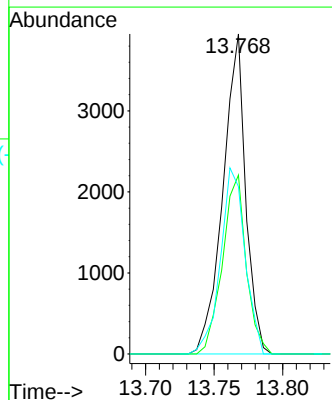
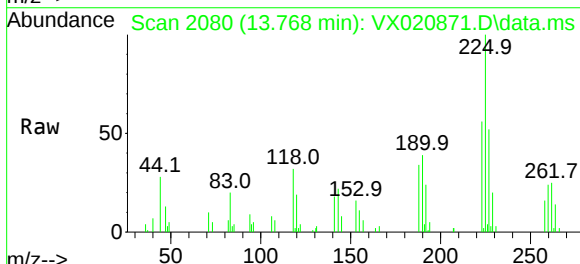
Instrument :
MSVOA_X
ClientSampled :

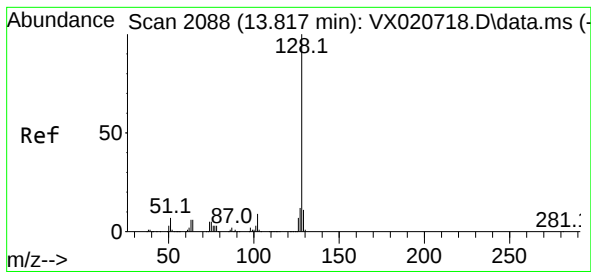
Tgt Ion:	180	Resp:	5049
Ion Ratio	Lower	Upper	
180	100		
182	106.9	47.7	143.1
145	33.3	15.0	45.0



#94
Hexachlorobutadiene
Concen: 2.20 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Tgt Ion:	225	Resp:	4548
Ion Ratio	Lower	Upper	
225	100		
223	58.2	31.1	93.2
227	62.8	31.6	95.0





#95
Naphthalene
Concen: 2.89 ug/l
RT: 13.823 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VX020871.D
Acq: 05 Feb 2021 15:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 264
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

