

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020245.D
 Acq On : 21 Dec 2020 13:19
 Operator : JC/MD
 Sample : L5053-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 01:31:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

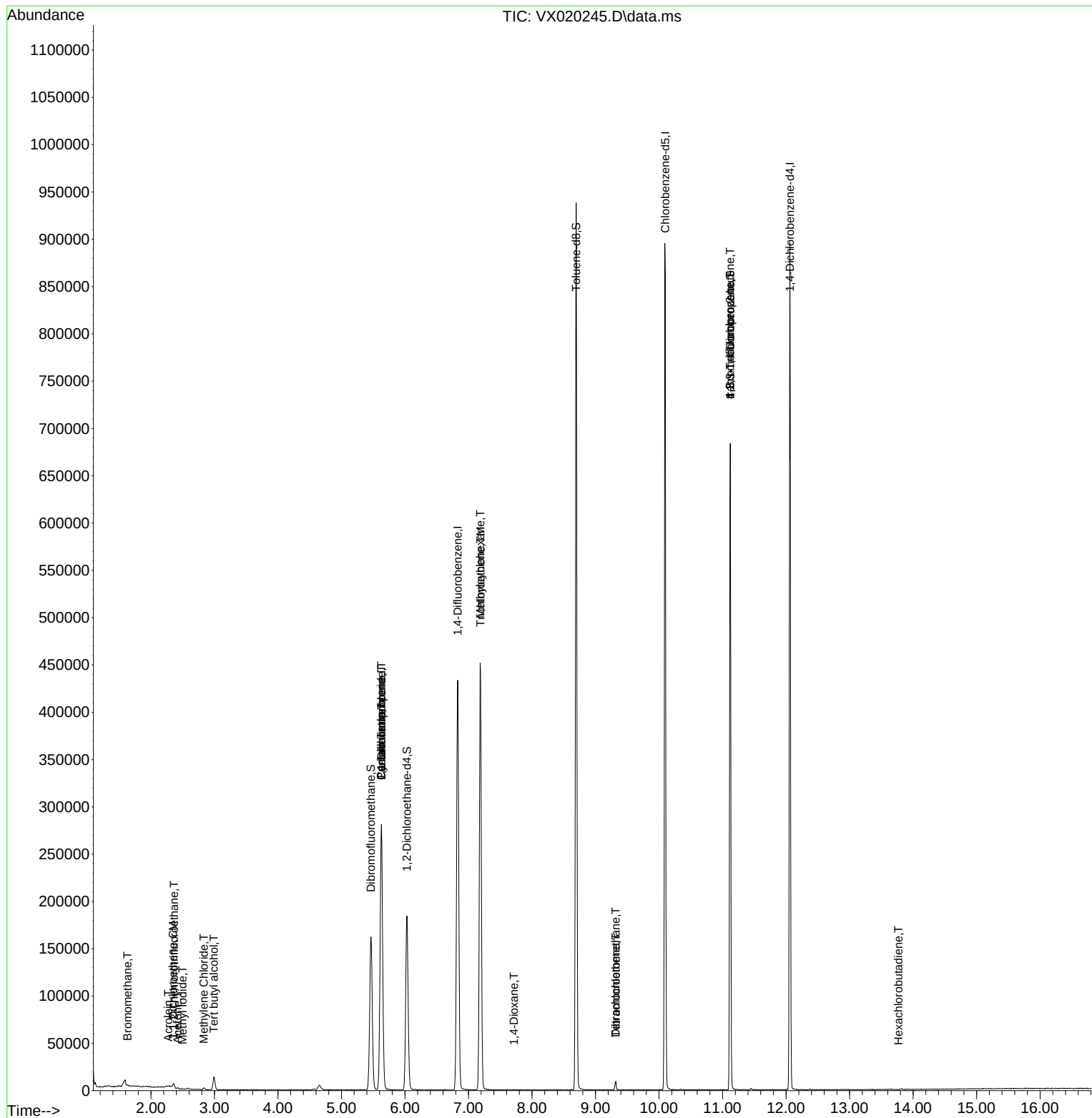
Internal Standards						
1) Pentafluorobenzene	5.629	168	263935	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	442789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	417852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	184056	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	176463	49.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.76%		
35) Dibromofluoromethane	5.464	113	140937	49.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.52%		
50) Toluene-d8	8.695	98	545841	50.06	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.12%		
62) 4-Bromofluorobenzene	11.122	95	190799	45.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.44%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	645	0.56	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.361	101	1305	0.50	ug/l	91
10) Methyl Iodide	2.495	142	332	3.37	ug/l #	90
11) Tert butyl alcohol	2.989	59	8274	10.44	ug/l #	73
12) 1,1-Dichloroethene	2.349	96	820	0.30	ug/l #	78
13) Acrolein	2.270	56	150	0.30	ug/l #	81
16) Acetone	2.416	43	1424	0.88	ug/l	93
20) Methylene Chloride	2.831	84	1025	0.28	ug/l	93
31) Cyclohexane	5.629	56	5283	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20935	4.78	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26063	6.26	ug/l #	17
39) Methylcyclohexane	7.184	83	2149	0.43	ug/l #	1
44) Trichloroethene	7.190	130	178742	50.76	ug/l	97
49) 1,4-Dioxane	7.714	88	75	0.91	ug/l #	1
60) Dibromochloromethane	9.317	129	1764	0.52	ug/l #	11
64) Tetrachloroethene	9.317	164	1661	0.53	ug/l #	85
76) 1,2,3-Trichloropropane	11.122	75	92641	20.43	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	92641	60.62	ug/l #	12
94) Hexachlorobutadiene	13.768	225	21	2.66	ug/l #	19

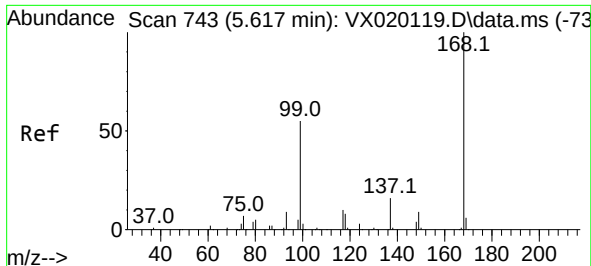
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 22 01:31:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

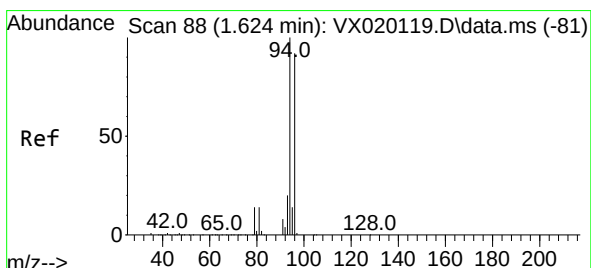
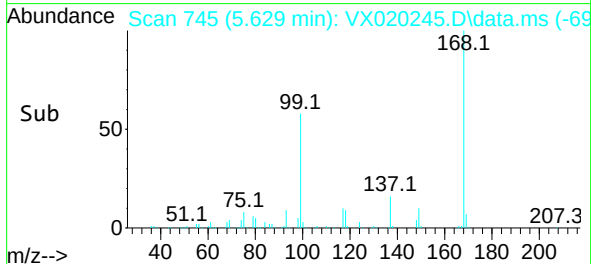
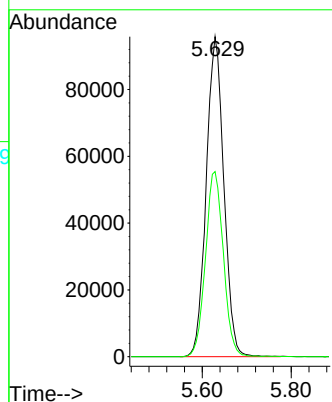
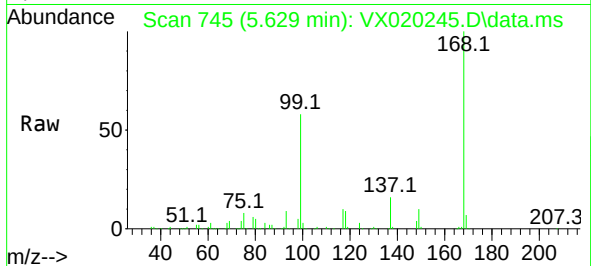




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

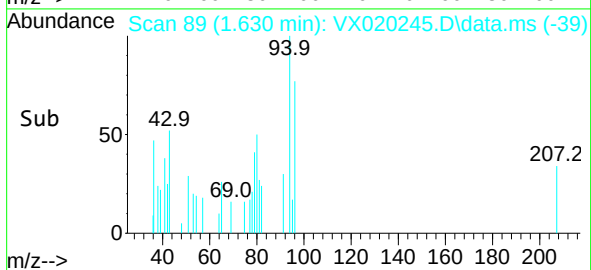
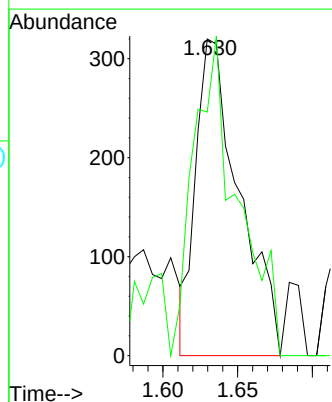
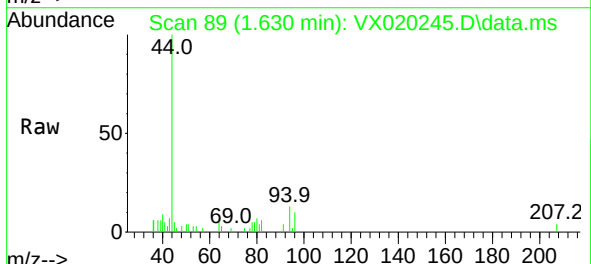
Instrument :
MSVOA_X
ClientSampled :

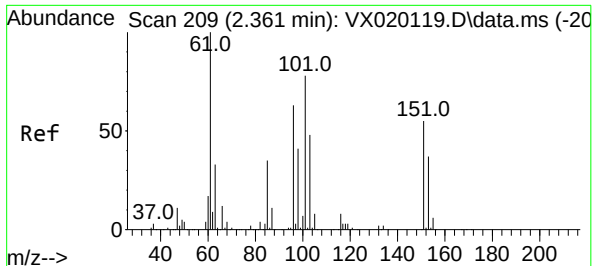
Tgt Ion:168 Resp: 263935
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.56 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 76.9 76.4 114.6

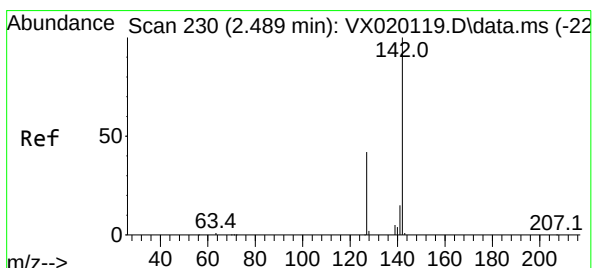
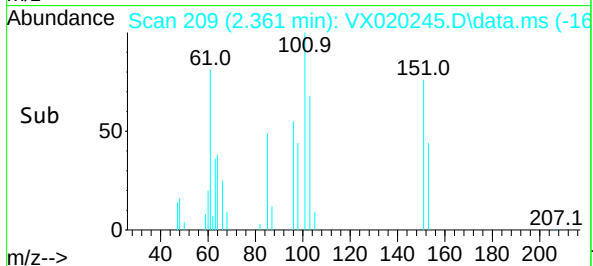
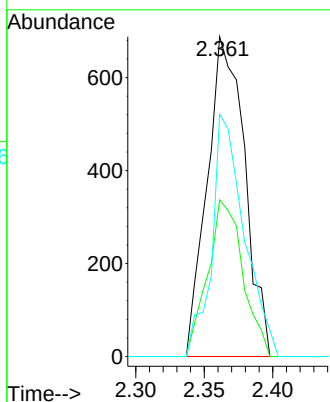
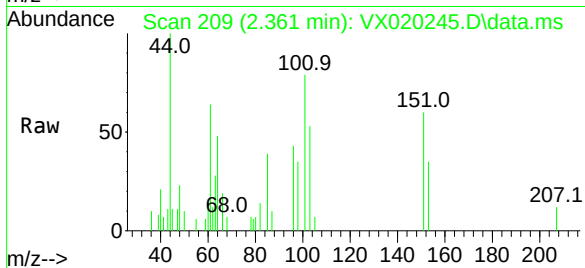




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.50 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

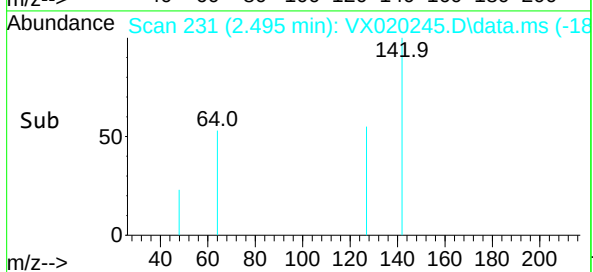
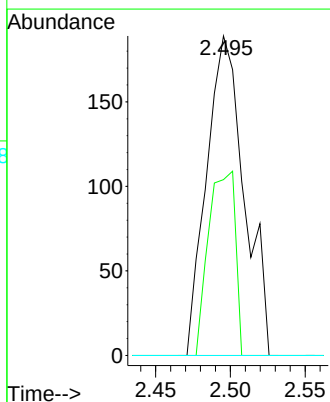
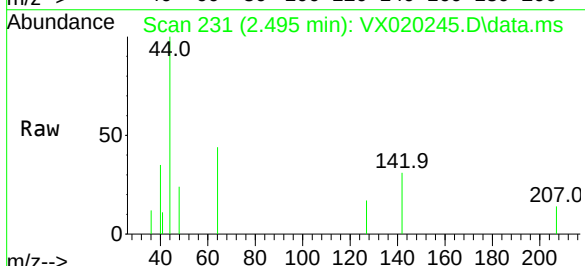
Instrument :
MSVOA_X
ClientSampled :

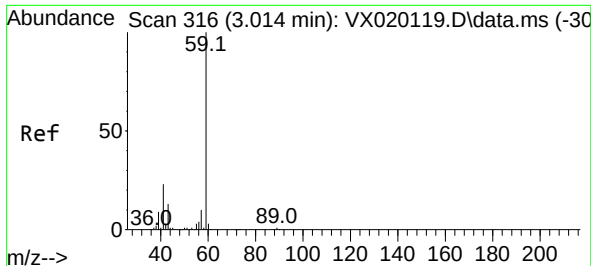
Tgt Ion:	101	Resp:	1305
Ion	Ratio	Lower	Upper
101	100		
85	45.9	34.9	52.3
151	65.7	61.4	92.2



#10
Methyl Iodide
Concen: 3.37 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

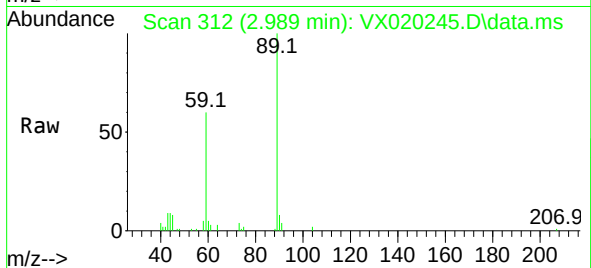
Tgt Ion:	142	Resp:	332
Ion	Ratio	Lower	Upper
142	100		
127	41.0	33.3	49.9
141	0.0	11.4	17.0



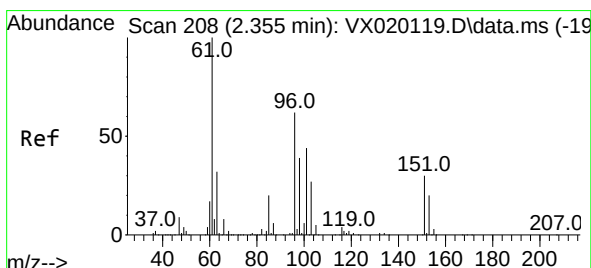
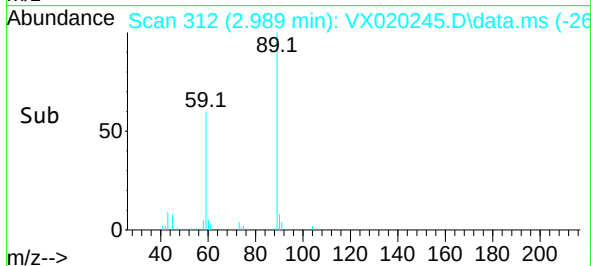
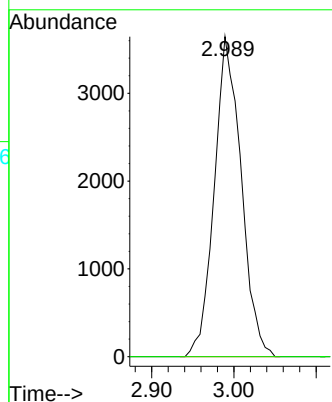


#11
Tert butyl alcohol
Concen: 10.44 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Instrument :
MSVOA_X
ClientSampled :

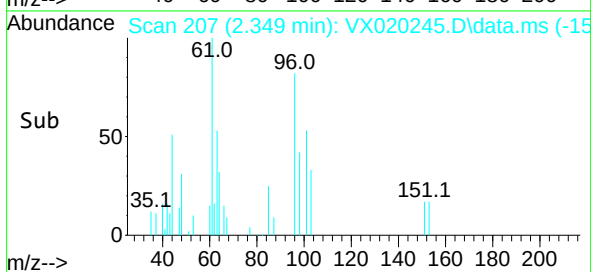
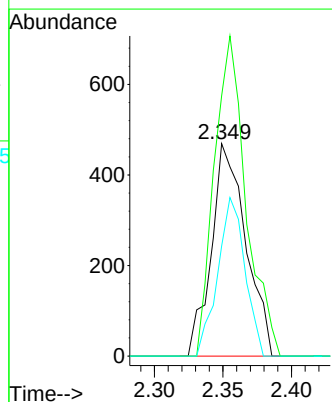
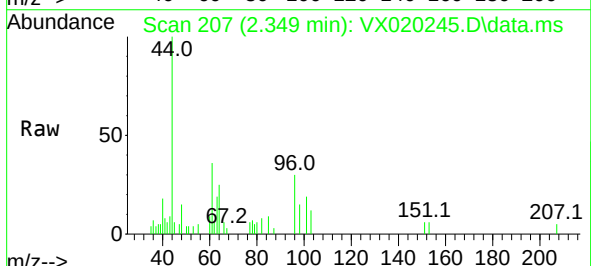


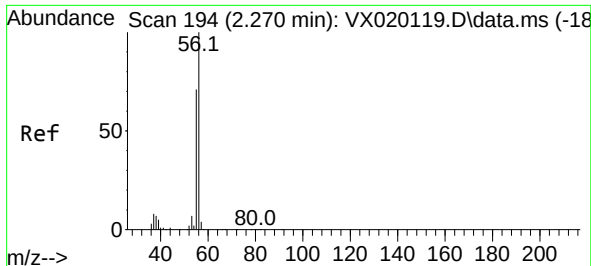
Tgt Ion: 59 Resp: 8274
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.30 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Tgt Ion: 96 Resp: 820
Ion Ratio Lower Upper
96 100
61 122.6 124.6 187.0#
98 51.8 50.6 76.0

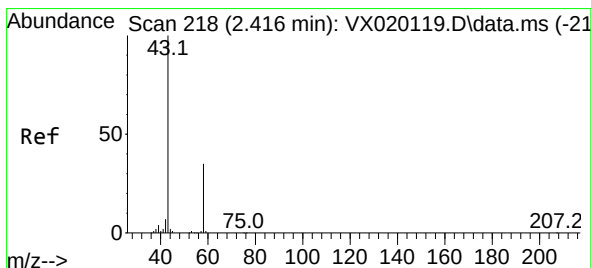
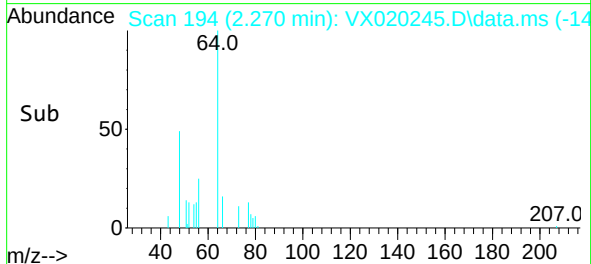
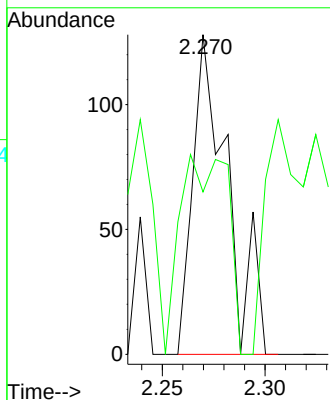
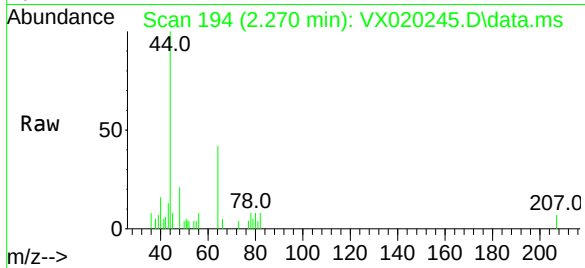




#13
Acrolein
Concen: 0.30 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

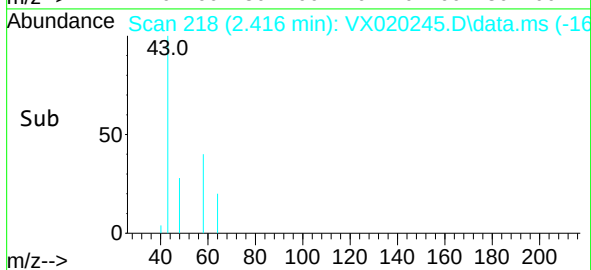
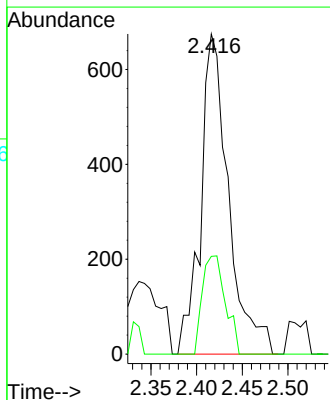
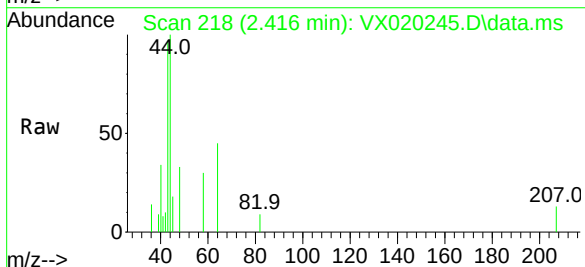
Instrument :
MSVOA_X
ClientSampled :

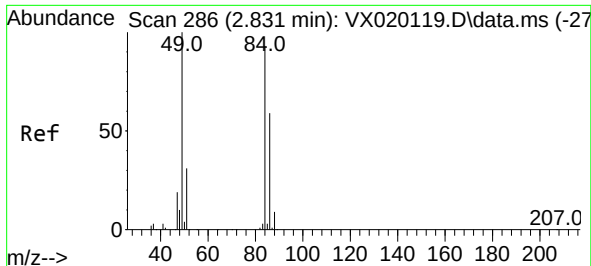
Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 86.0 56.4 84.6#



#16
Acetone
Concen: 0.88 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

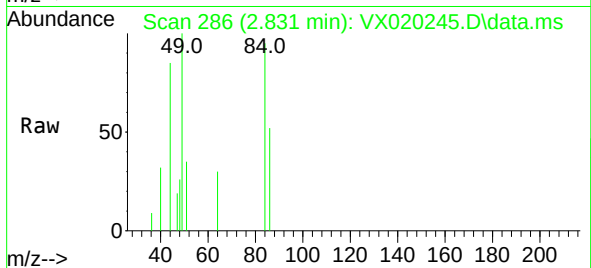
Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
58 30.5 27.8 41.8





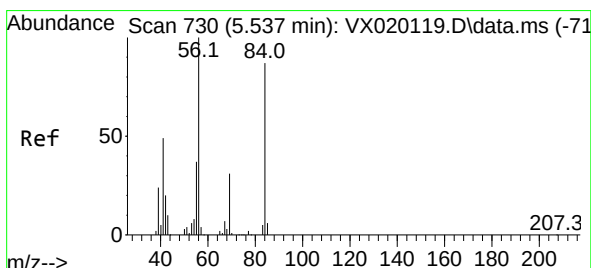
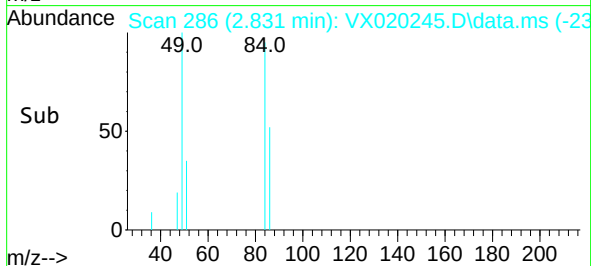
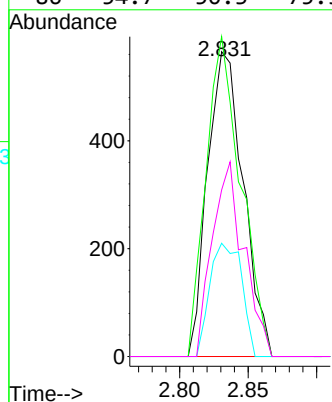
#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Instrument :
MSVOA_X
ClientSampled :

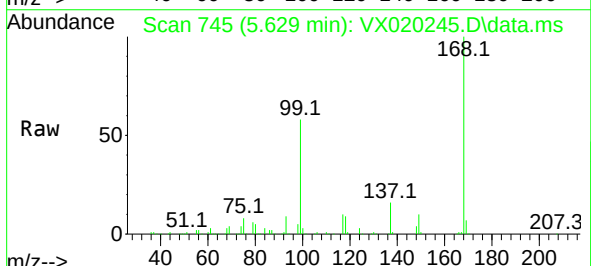


Tgt Ion: 84 Resp: 1025

Ion	Ratio	Lower	Upper
84	100		
49	105.0	88.6	132.8
51	37.2	27.0	40.6
86	54.7	50.3	75.5

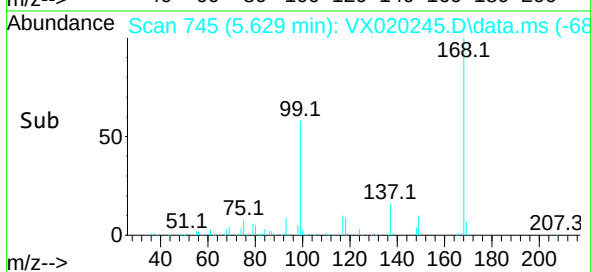
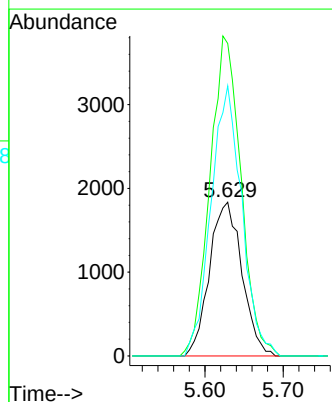


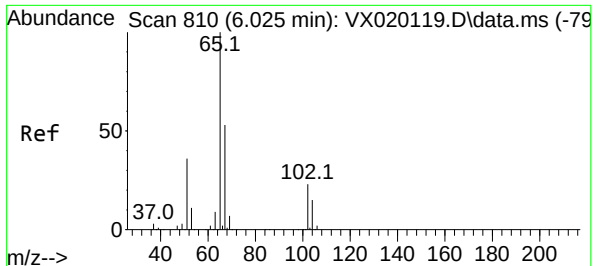
#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19



Tgt Ion: 56 Resp: 5283

Ion	Ratio	Lower	Upper
56	100		
69	203.3	25.3	37.9#
84	175.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.88 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020245.D

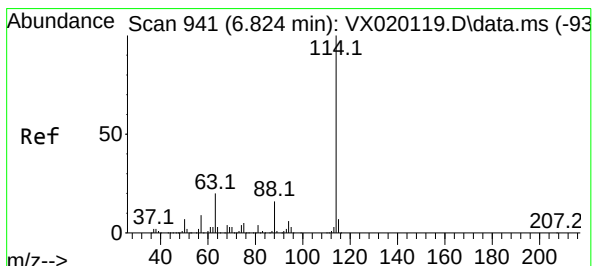
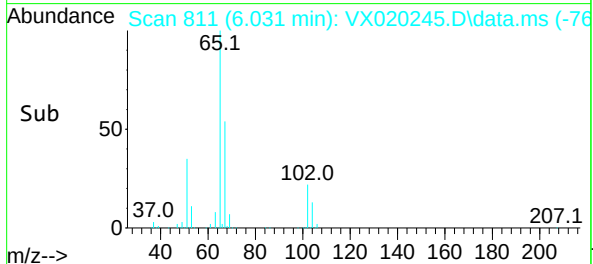
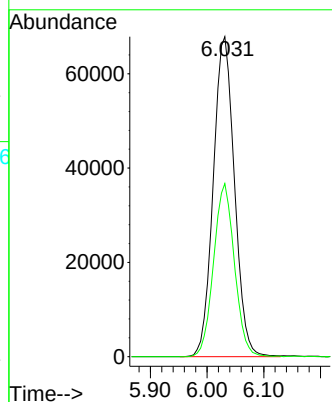
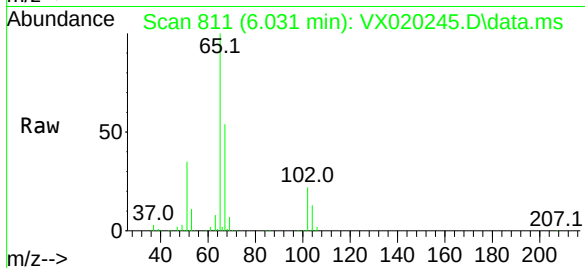
Acq: 21 Dec 2020 13:19

Tgt Ion: 65 Resp: 176463

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020245.D

Acq: 21 Dec 2020 13:19

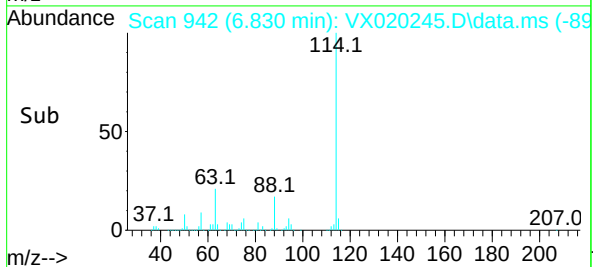
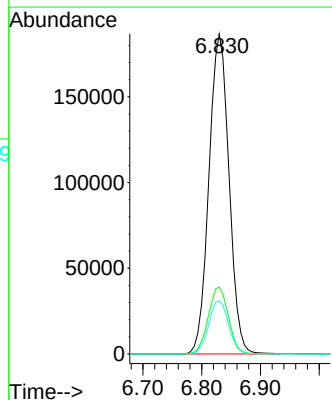
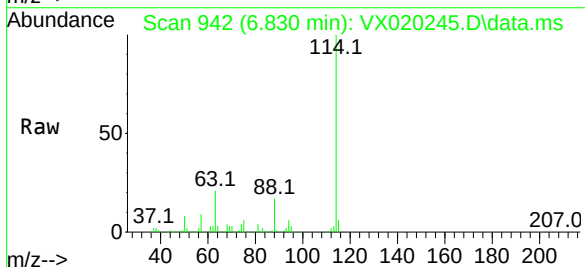
Tgt Ion: 114 Resp: 442789

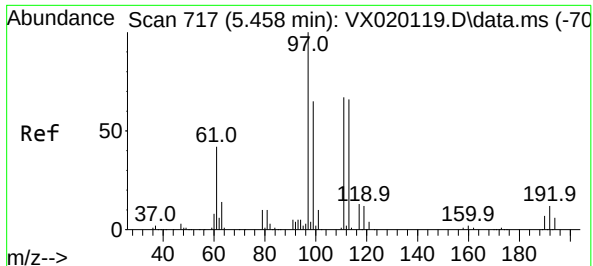
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 16.6 0.0 32.8

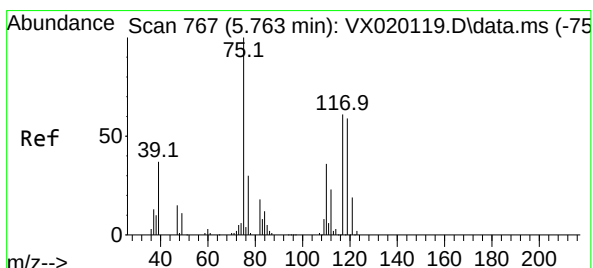
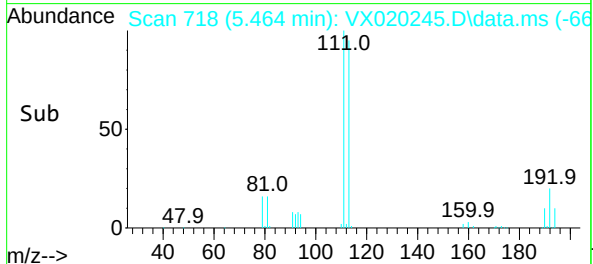
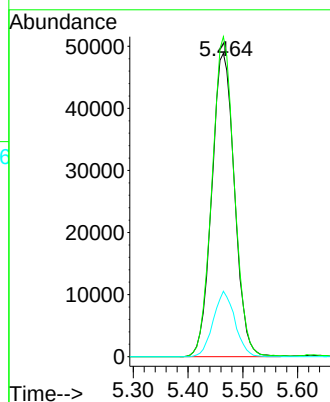
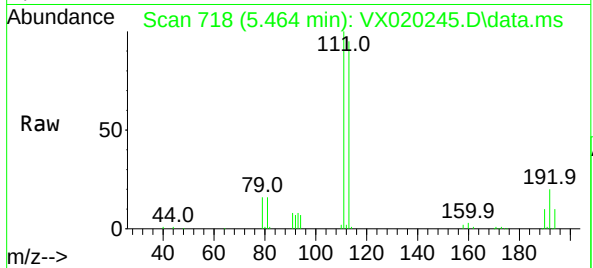




#35
Dibromofluoromethane
Concen: 49.76 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

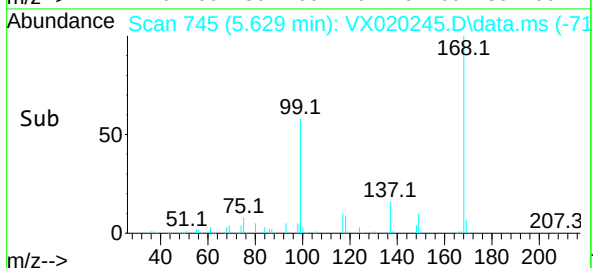
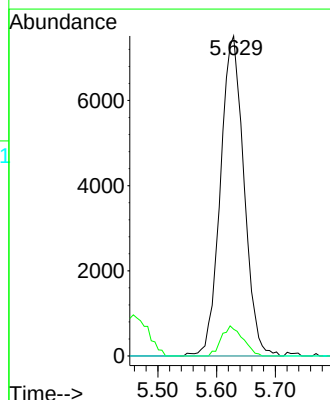
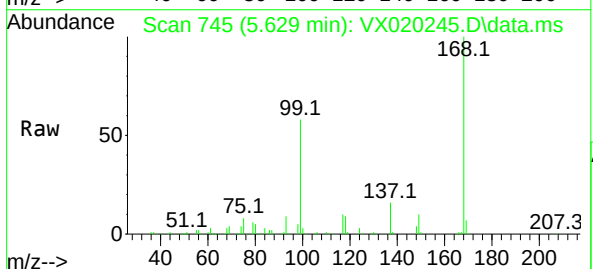
Instrument :
MSVOA_X
ClientSampled :

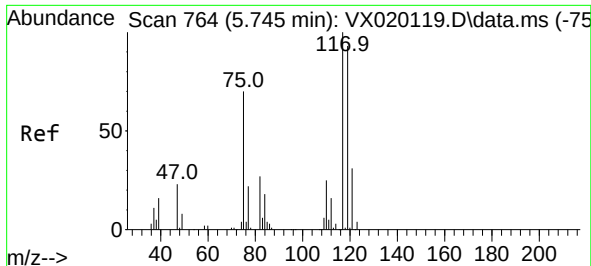
Tgt Ion:113 Resp: 140937
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.78 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

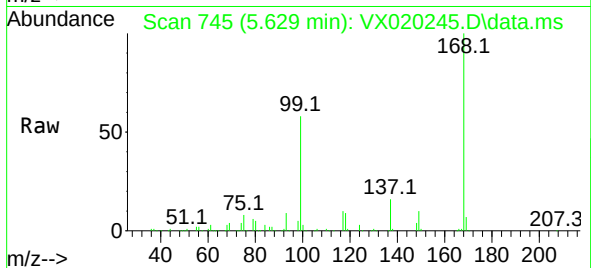
Tgt Ion: 75 Resp: 20935
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



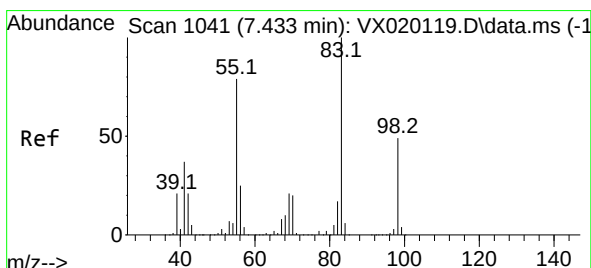
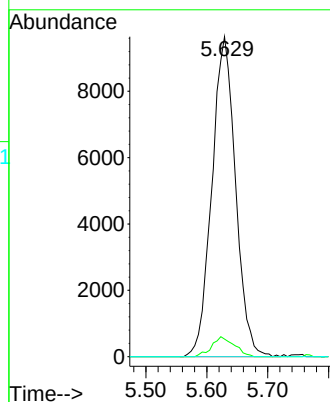
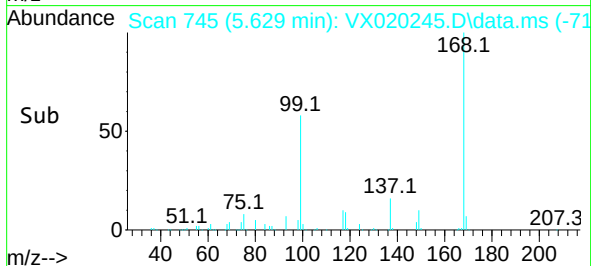


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

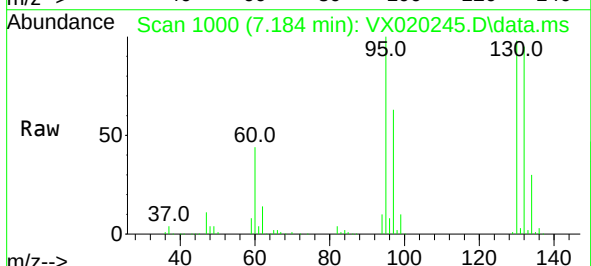
Instrument :
MSVOA_X
ClientSampled :



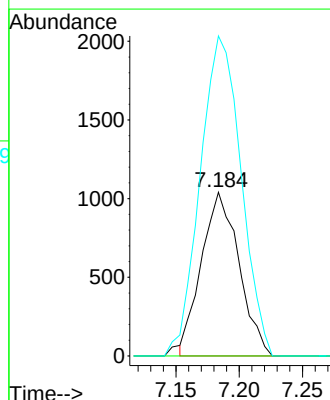
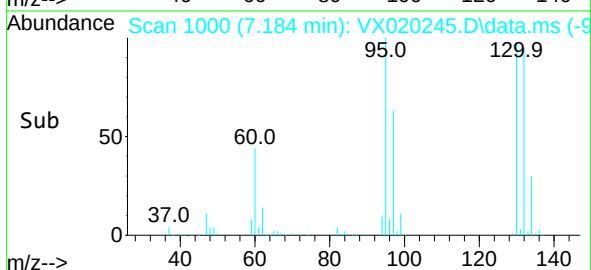
Tgt Ion:117 Resp: 26063
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

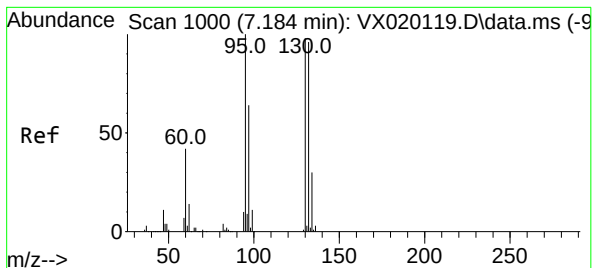


#39
Methylcyclohexane
Concen: 0.43 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19



Tgt Ion: 83 Resp: 2149
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 195.6 38.1 57.1#





#44

Trichloroethene

Concen: 50.76 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VX020245.D

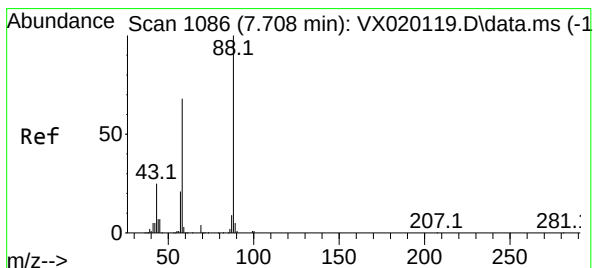
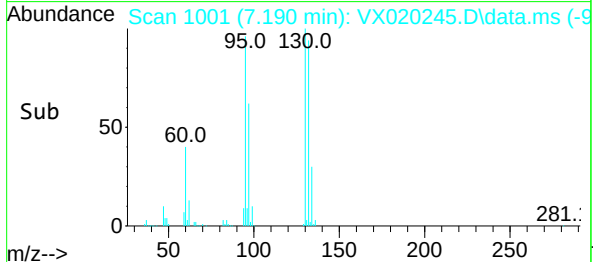
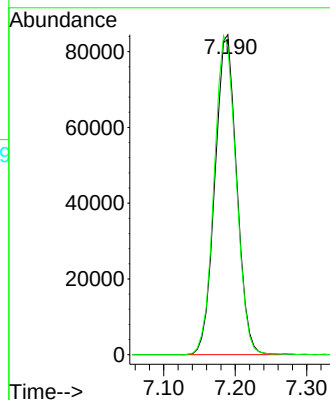
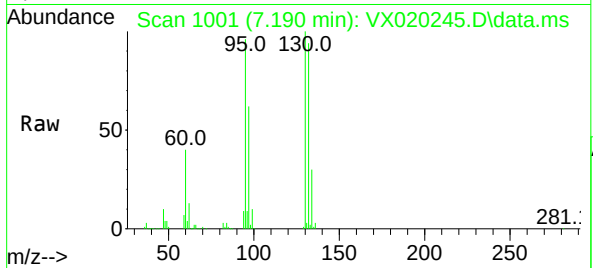
Acq: 21 Dec 2020 13:19

Tgt Ion:130 Resp: 178742

Ion Ratio Lower Upper

130 100

95 96.4 0.0 198.0



#49

1,4-Dioxane

Concen: 0.91 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.006 min

Lab File: VX020245.D

Acq: 21 Dec 2020 13:19

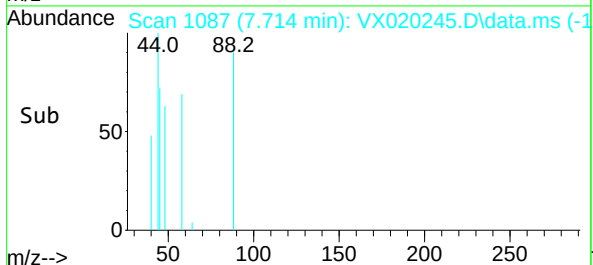
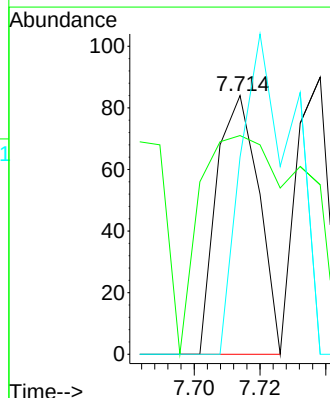
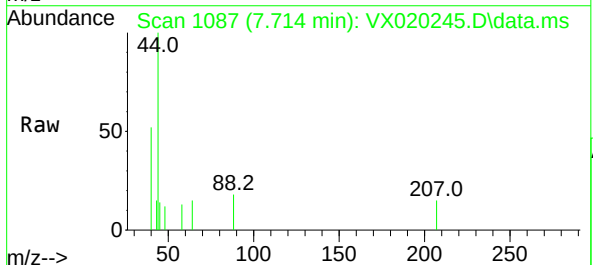
Tgt Ion: 88 Resp: 75

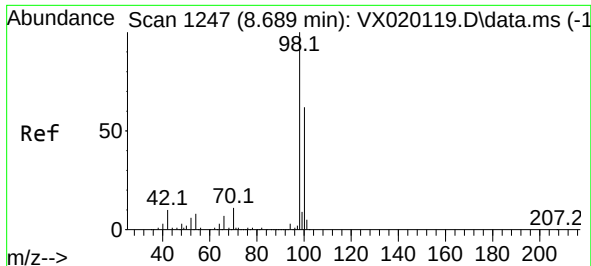
Ion Ratio Lower Upper

88 100

43 212.0 23.2 34.8#

58 153.3 55.0 82.4#

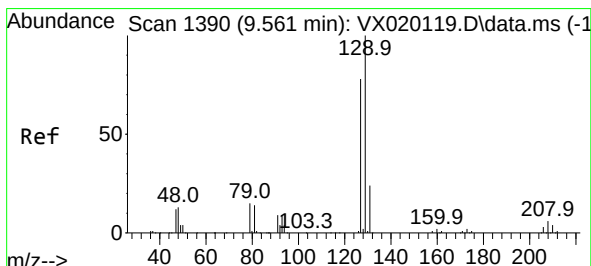
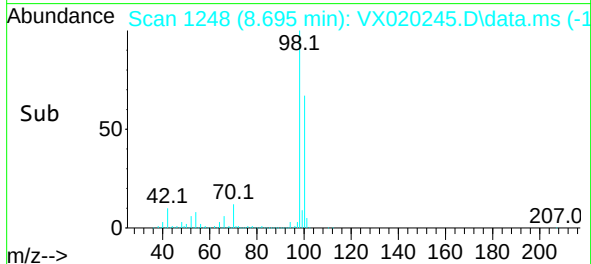
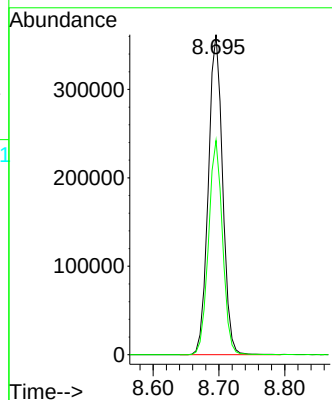
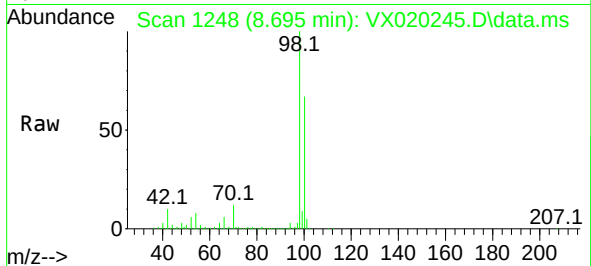




#50
Toluene-d8
Concen: 50.06 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

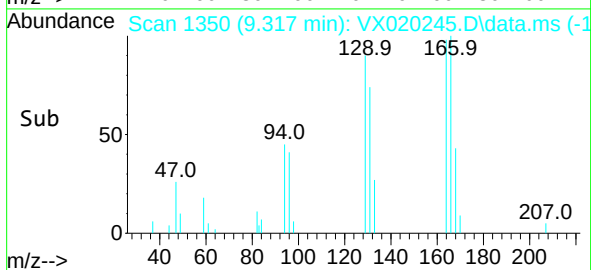
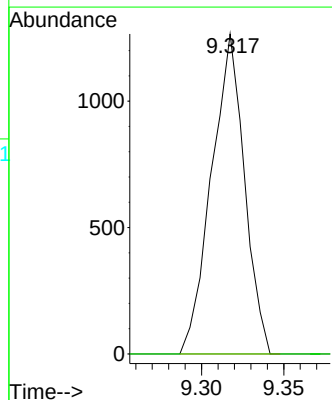
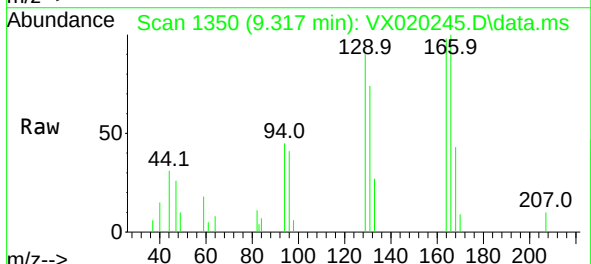
Instrument :
MSVOA_X
ClientSampled :

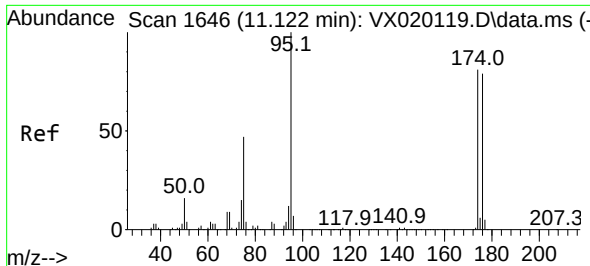
Tgt Ion: 98 Resp: 545841
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#60
Dibromochloromethane
Concen: 0.52 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Tgt Ion: 129 Resp: 1764
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

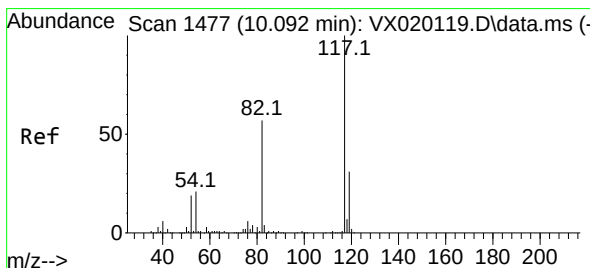
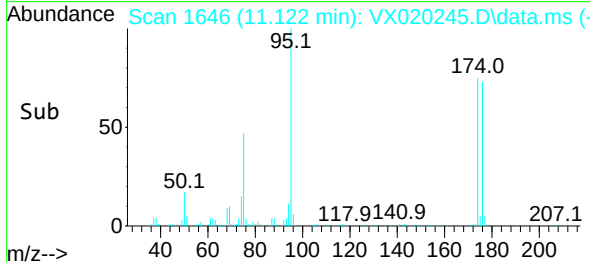
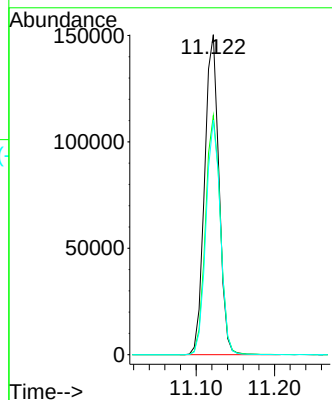
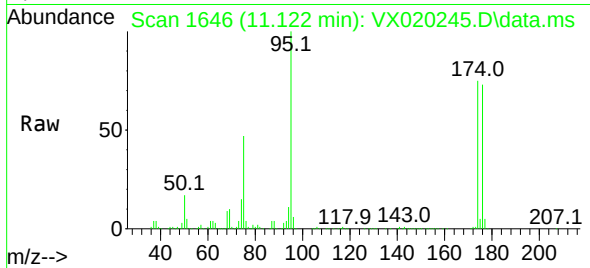




#62
4-Bromofluorobenzene
Concen: 45.72 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

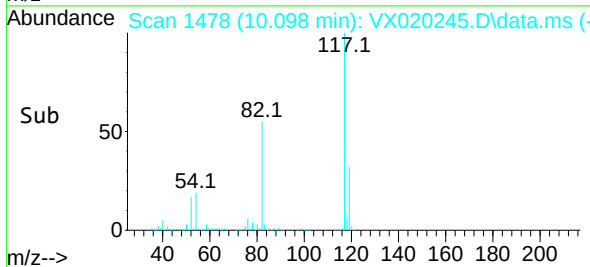
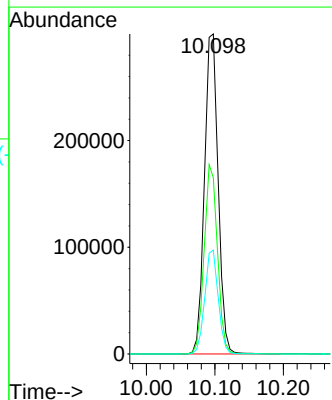
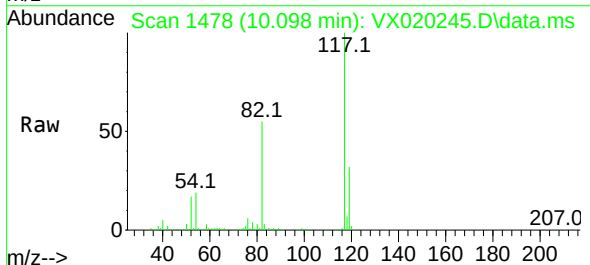
Instrument :
MSVOA_X
ClientSampled :

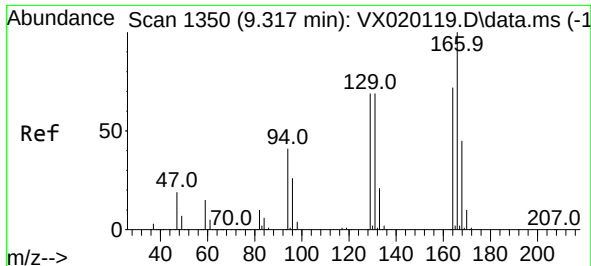
Tgt Ion: 95 Resp: 190799
Ion Ratio Lower Upper
95 100
174 76.9 0.0 154.6
176 73.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Tgt Ion: 117 Resp: 417852
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.4 26.6 39.8

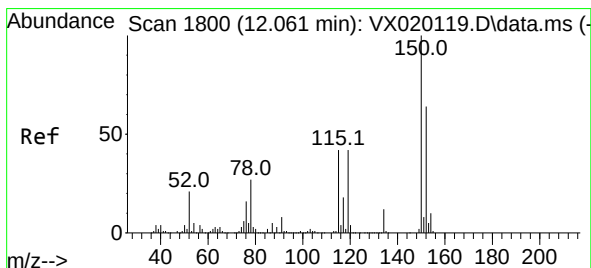
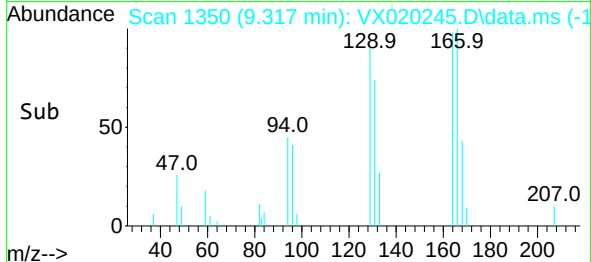
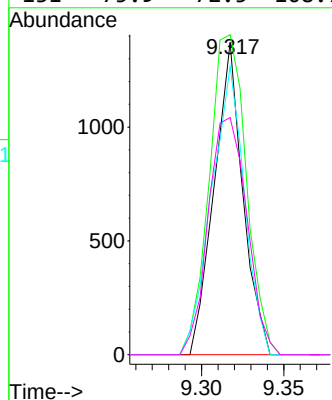
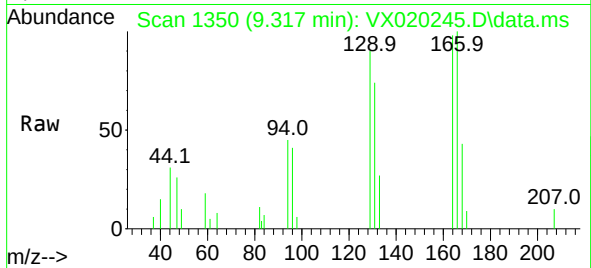




#64
Tetrachloroethene
Concen: 0.53 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

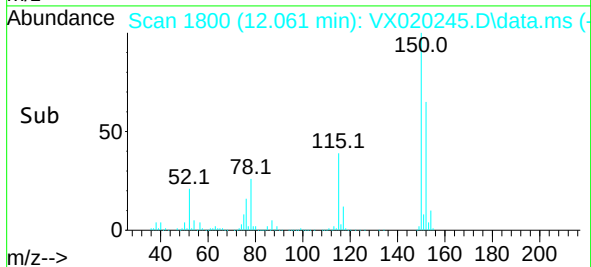
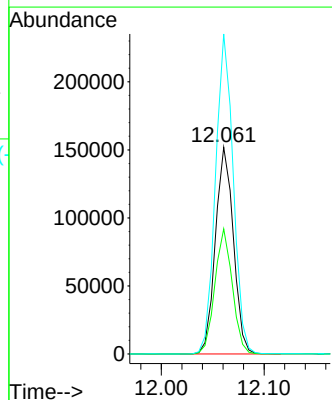
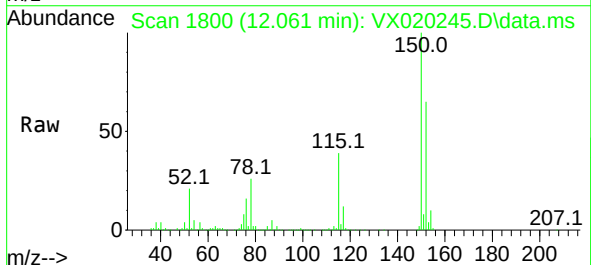
Instrument :
MSVOA_X
ClientSampleId :

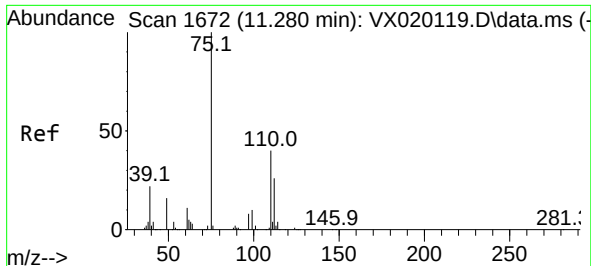
Tgt Ion:164	Resp:	1661
Ion Ratio	Lower	Upper
164	100	
166	102.5	103.4 155.2#
129	92.3	70.8 106.2
131	75.9	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

Tgt Ion:152	Resp:	184056
Ion Ratio	Lower	Upper
152	100	
115	58.9	41.1 123.3
150	153.0	0.0 349.0

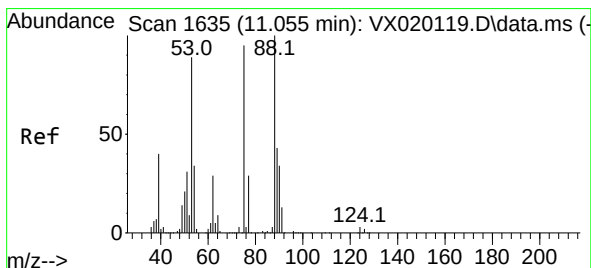
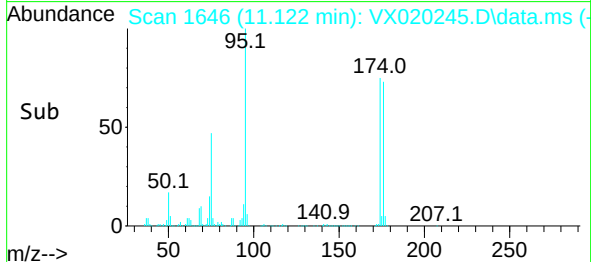
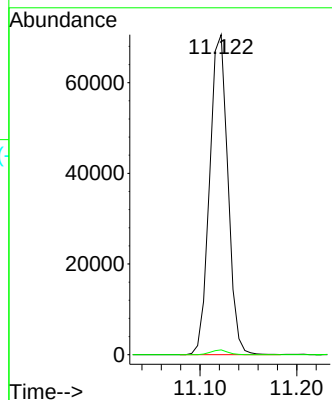
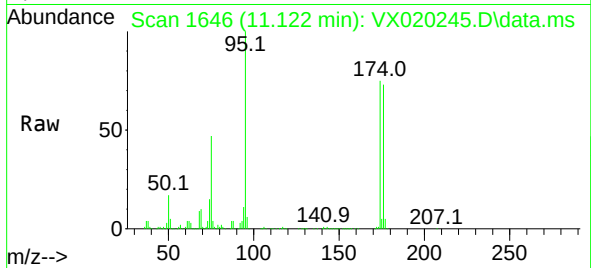




#76
1,2,3-Trichloropropane
Concen: 20.43 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

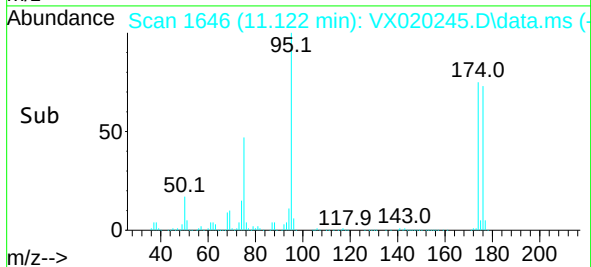
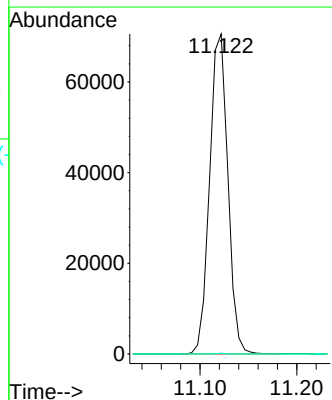
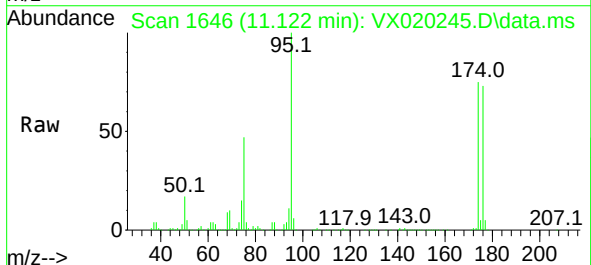
Instrument :
MSVOA_X
ClientSampled :

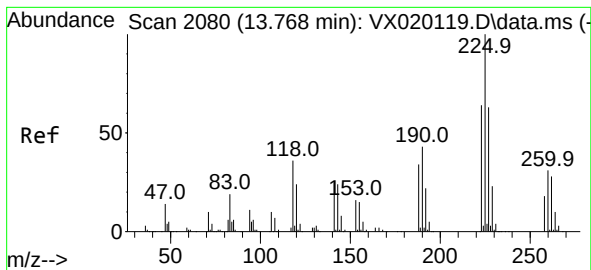
Tgt Ion: 75 Resp: 92641
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.62 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020245.D
Acq: 21 Dec 2020 13:19

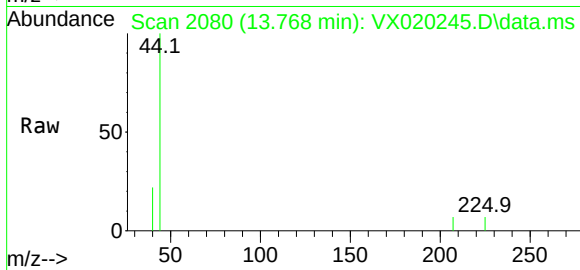
Tgt Ion: 75 Resp: 92641
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.66 ug/l
 RT: 13.768 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: VX020245.D
 Acq: 21 Dec 2020 13:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:225 Resp: 21
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 31.6 95.0#

