

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020138.D
 Acq On : 18 Dec 2020 19:51
 Operator : JC/MD
 Sample : L5053-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20201209

Quant Time: Dec 19 04:50:38 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)

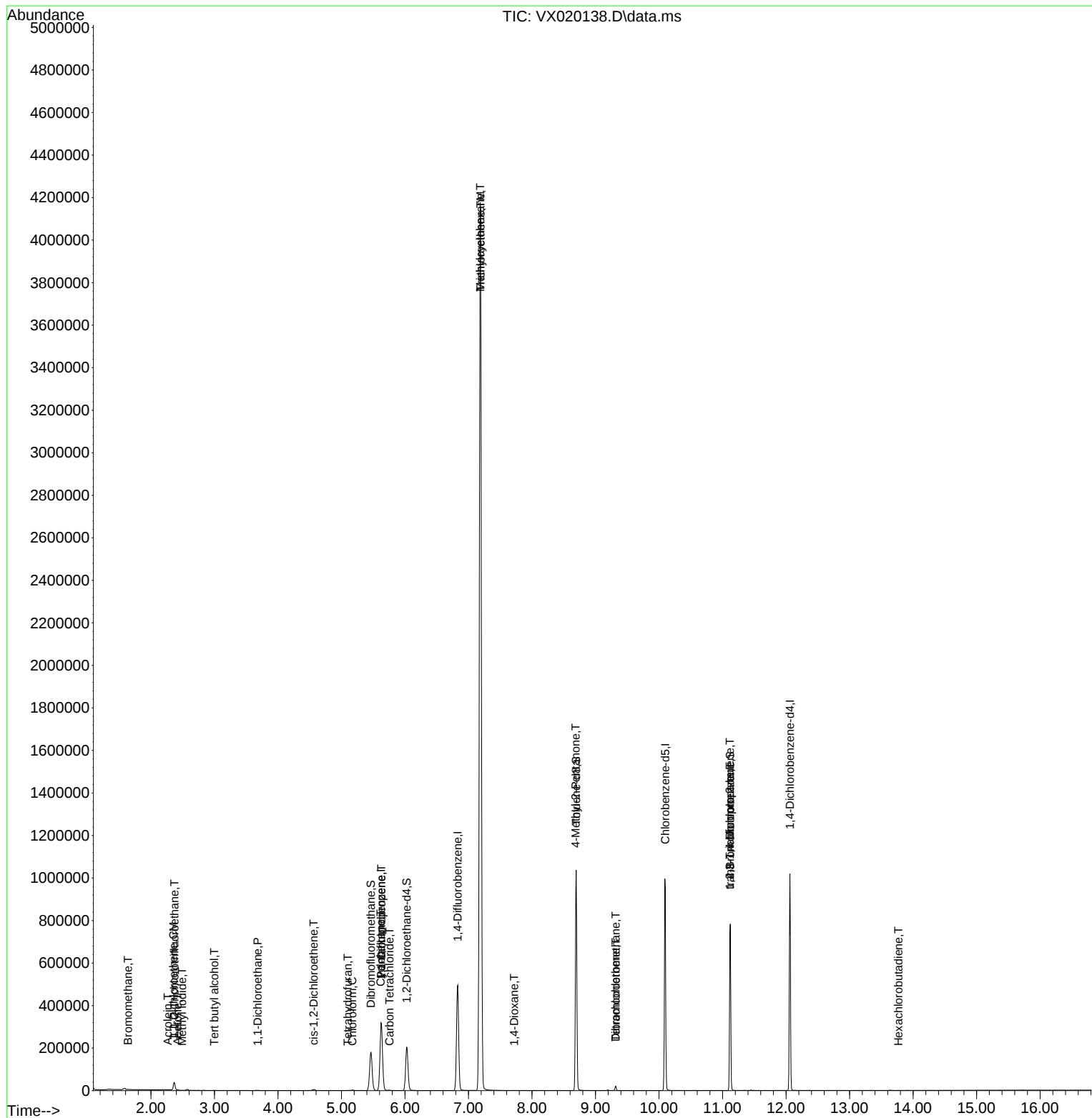
Internal Standards						
1) Pentafluorobenzene	5.623	168	304201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	510249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	466654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	204805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	196009	48.07	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.14%
35) Dibromofluoromethane	5.464	113	158598	48.59	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.18%
50) Toluene-d8	8.695	98	616855	49.10	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.20%
62) 4-Bromofluorobenzene	11.122	95	217706	45.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.54%
Target Compounds						Qvalue
5) Bromomethane	1.636	94	819	0.61	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.367	101	13698	4.51	ug/l	98
10) Methyl Iodide	2.489	142	433	3.38	ug/l #	80
11) Tert butyl alcohol	2.995	59	536	0.59	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	1372	0.44	ug/l	89
13) Acrolein	2.264	56	120	0.21	ug/l #	46
16) Acetone	2.416	43	1359	0.73	ug/l	96
24) 1,1-Dichloroethane	3.678	63	1661	0.25	ug/l #	81
27) cis-1,2-Dichloroethene	4.562	96	3402	0.80	ug/l	94
29) Tetrahydrofuran	5.099	42	505	0.30	ug/l #	63
30) Chloroform	5.172	83	2823	0.42	ug/l	95
31) Cyclohexane	5.617	56	5832	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	23553	4.67	ug/l #	48
38) Carbon Tetrachloride	5.757	117	1291	0.27	ug/l	89
39) Methylcyclohexane	7.184	83	19789	3.40	ug/l #	1
44) Trichloroethene	7.190	130	1669256	411.37	ug/l	100
49) 1,4-Dioxane	7.720	88	230	2.42	ug/l #	1
51) 4-Methyl-2-Pentanone	8.689	43	2658	0.52	ug/l #	1
60) Dibromochloromethane	9.317	129	3265	0.83	ug/l #	11
64) Tetrachloroethene	9.317	164	3863	1.10	ug/l	96
76) 1,2,3-Trichloropropane	11.116	75	105623	20.94	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	105623	62.11	ug/l #	12
94) Hexachlorobutadiene	13.768	225	78	2.68	ug/l #	19

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

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Instrument :
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ClientSampleId :
RE103D3-20201209

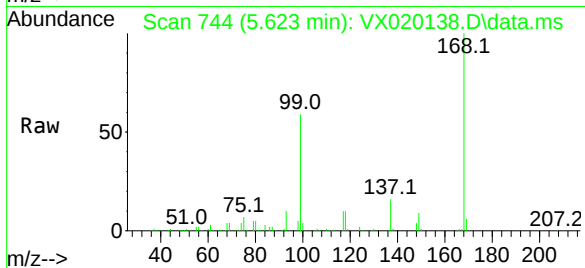
Quant Time: Dec 19 04:50:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



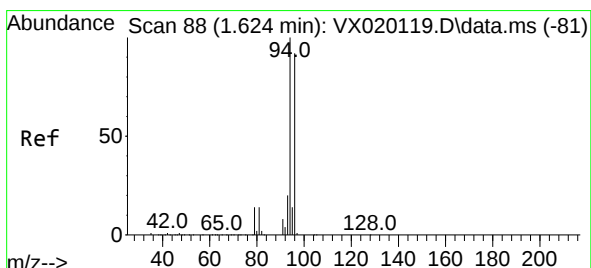
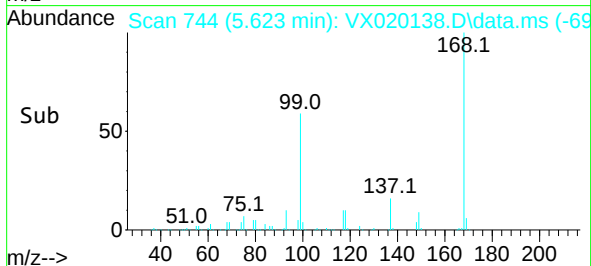
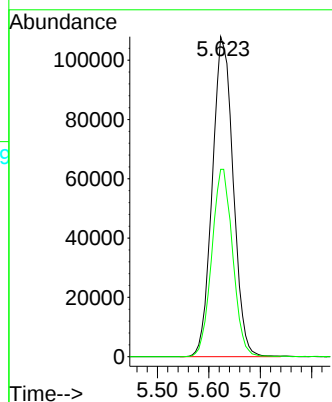


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

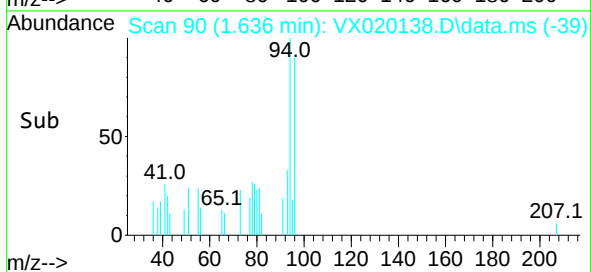
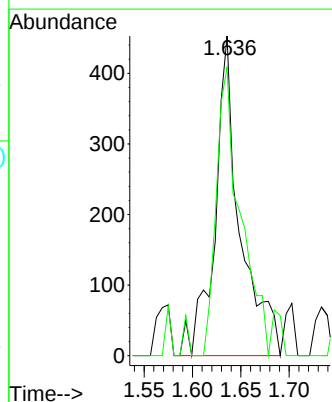
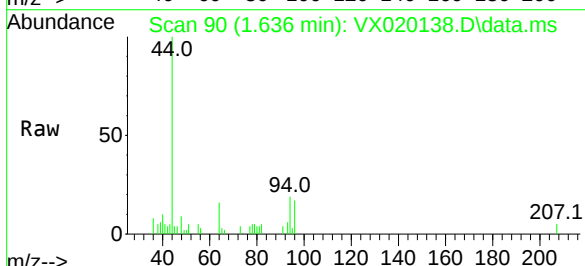


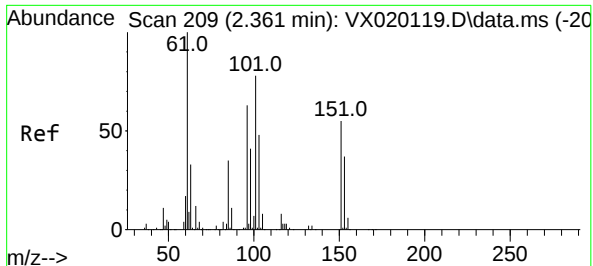
Tgt Ion:168 Resp: 304201
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#5
Bromomethane
Concen: 0.61 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 94 Resp: 819
Ion Ratio Lower Upper
94 100
96 90.3 76.4 114.6

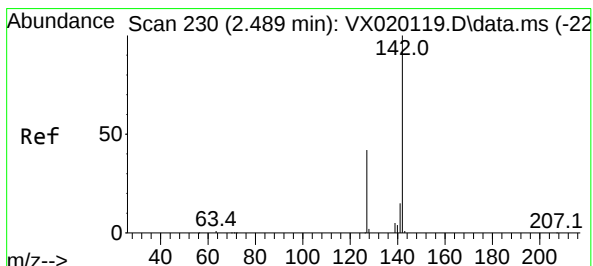
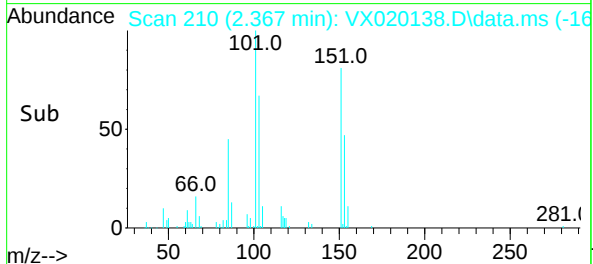
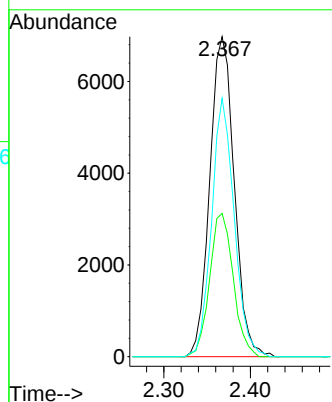
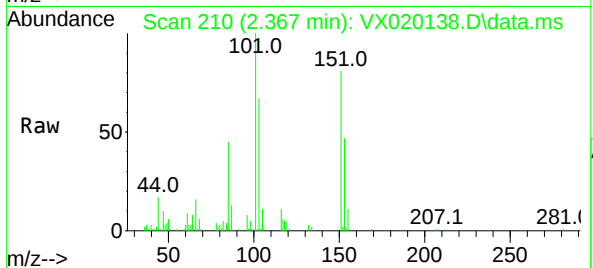




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.51 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

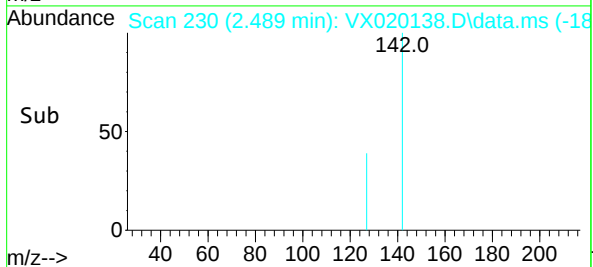
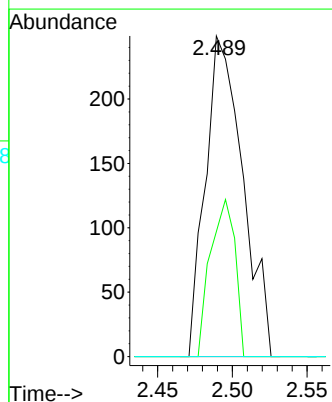
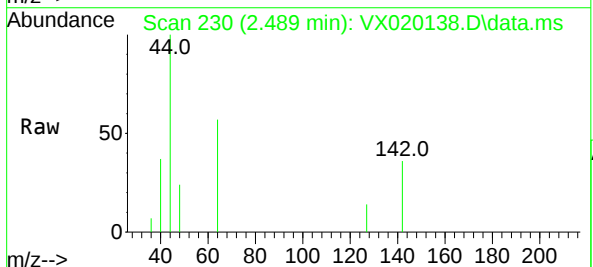
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

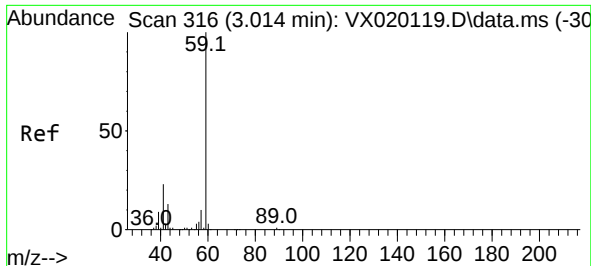
Tgt Ion:101 Resp: 13698
Ion Ratio Lower Upper
101 100
85 43.2 34.9 52.3
151 74.7 61.4 92.2



#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
127 32.3 33.3 49.9#
141 0.0 11.4 17.0#



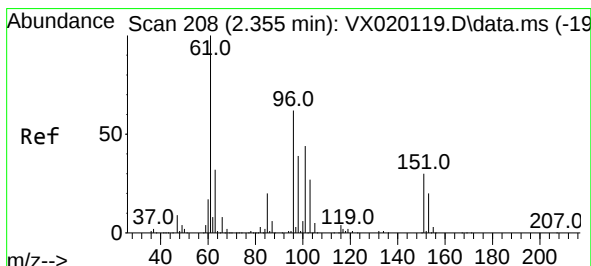
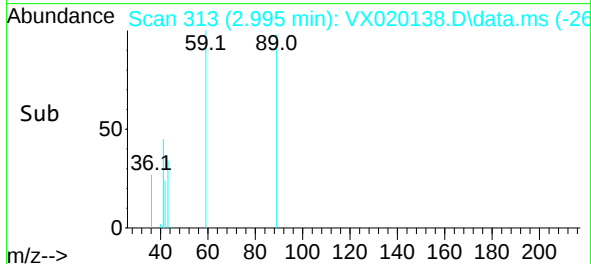
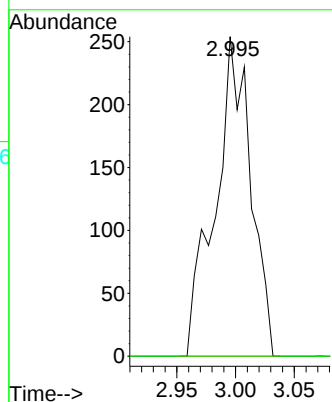
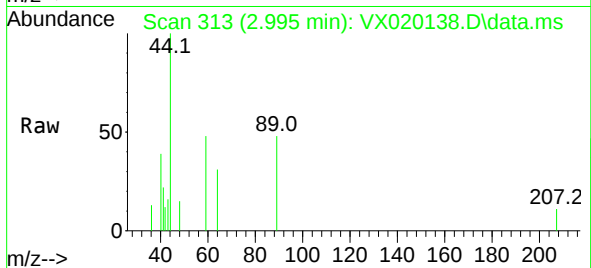


#11

Tert butyl alcohol
Concen: 0.59 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

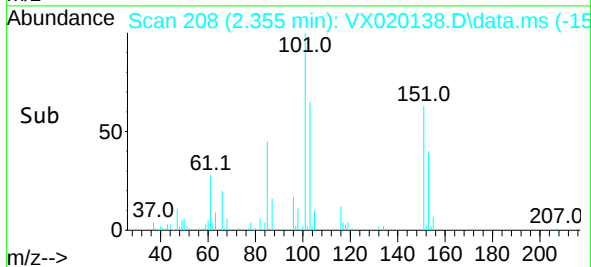
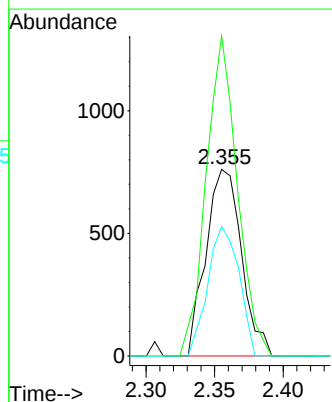
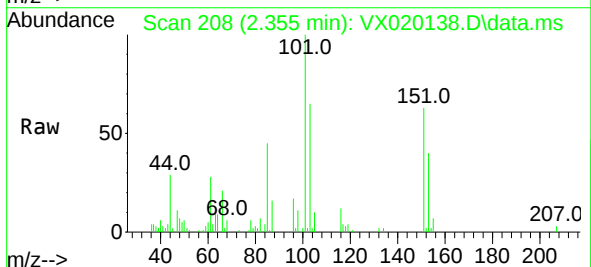
Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

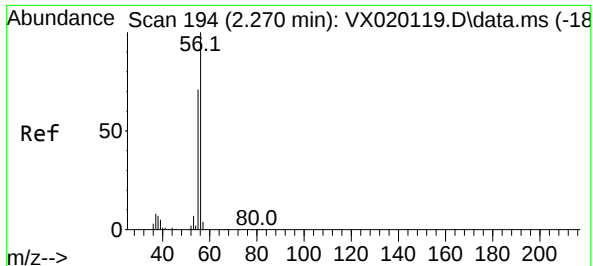


#12

1,1-Dichloroethene
Concen: 0.44 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 96 Resp: 1372
Ion Ratio Lower Upper
96 100
61 171.5 124.6 187.0
98 69.4 50.6 76.0

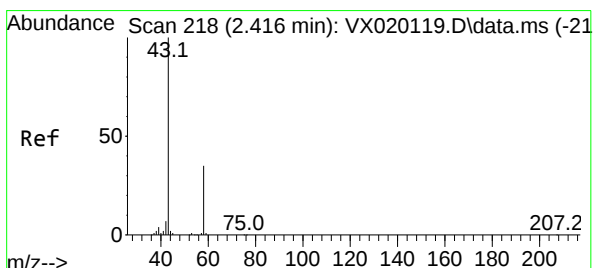
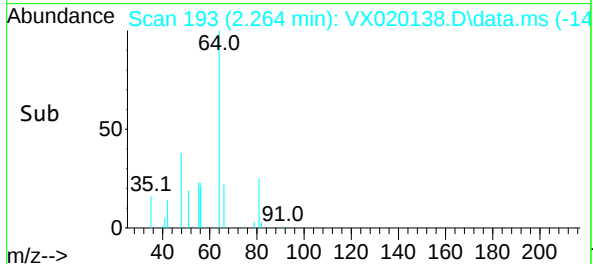
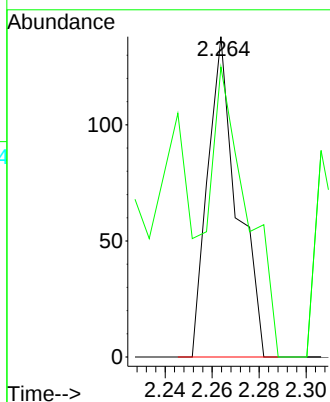
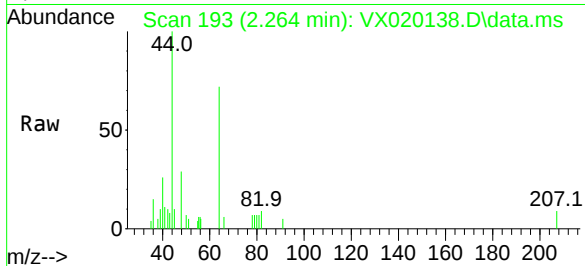




#13
Acrolein
Concen: 0.21 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

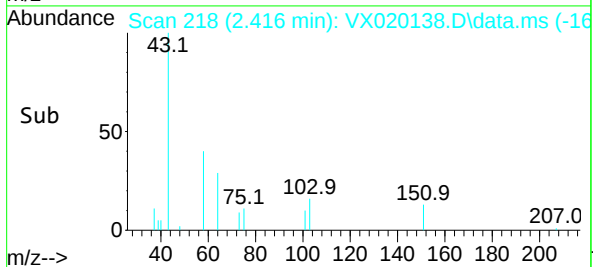
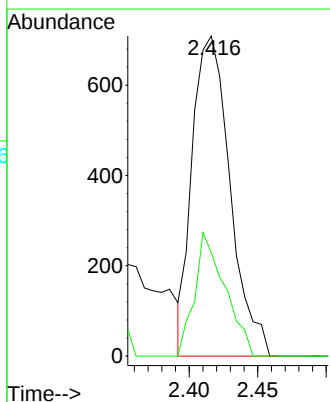
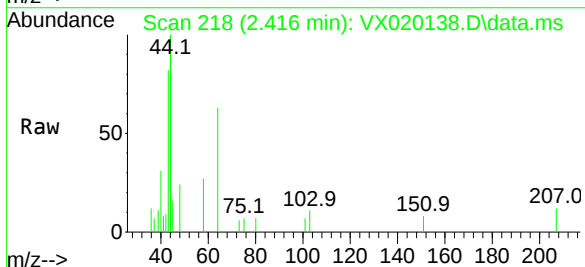
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

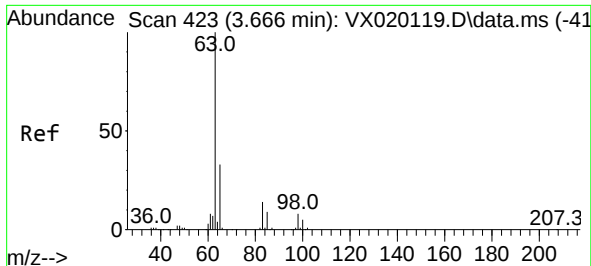
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 115.0 56.4 84.6#



#16
Acetone
Concen: 0.73 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

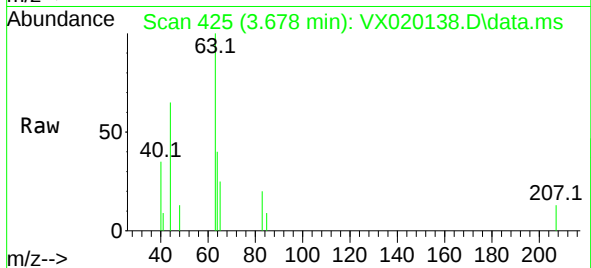
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.8



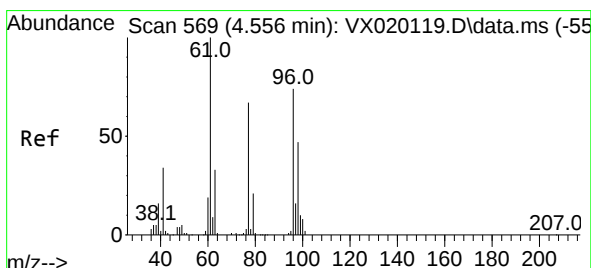
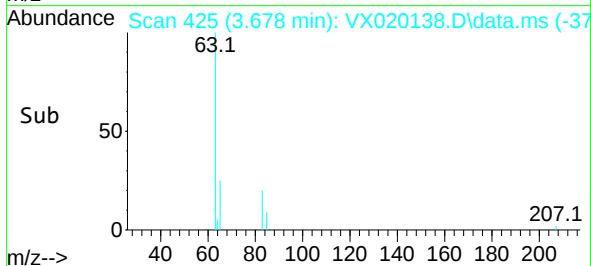
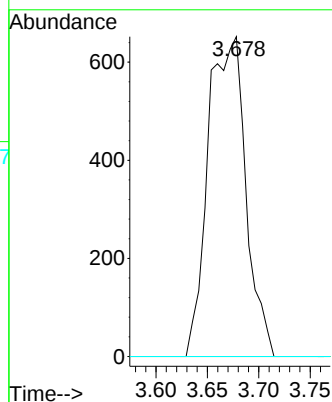


#24
1,1-Dichloroethane
Concen: 0.25 ug/l
RT: 3.678 min Scan# 425
Delta R.T. 0.012 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

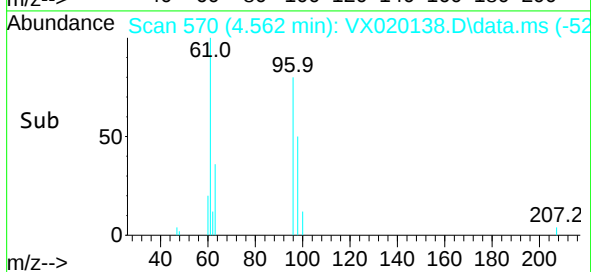
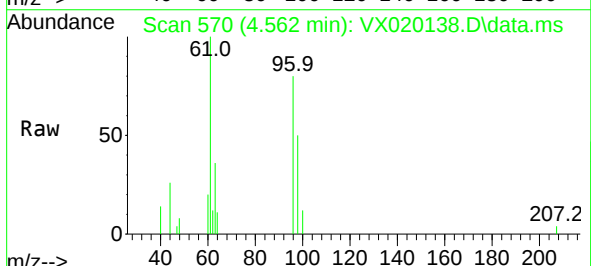
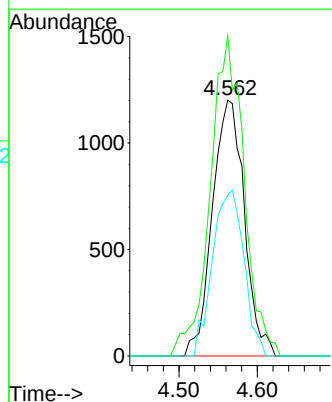


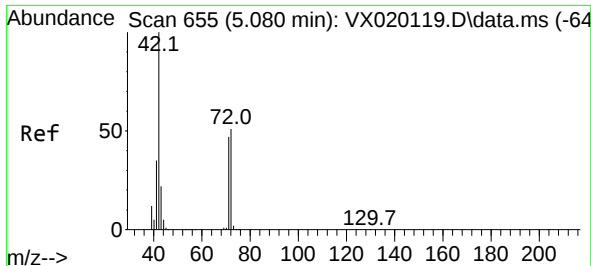
Tgt Ion: 63 Resp: 1661
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 0.80 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 96 Resp: 3402
Ion Ratio Lower Upper
96 100
61 132.4 0.0 285.6
98 63.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.099 min Scan# 658

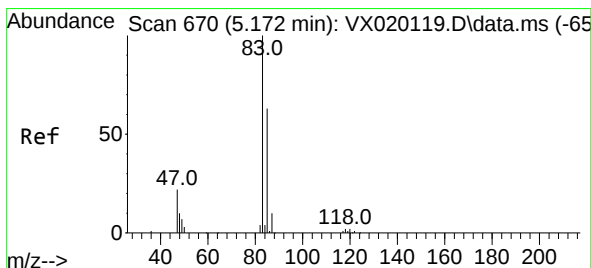
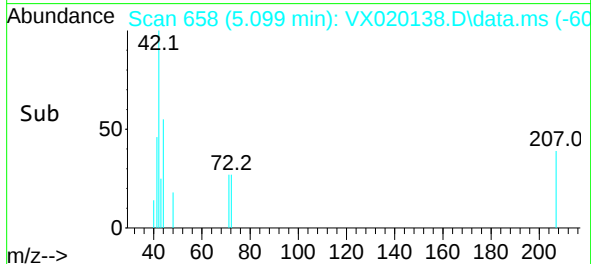
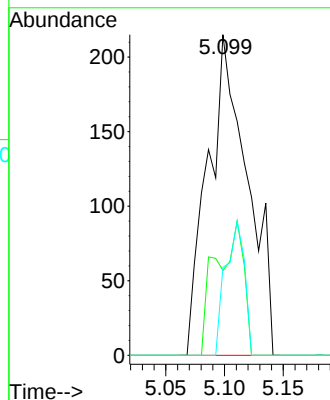
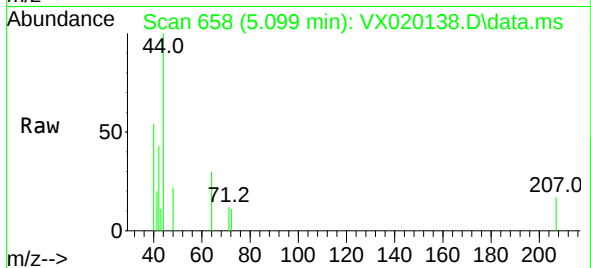
Delta R.T. 0.019 min

Lab File: VX020138.D

Acq: 18 Dec 2020 19:51

Tgt Ion:	42	Resp:	505
Ion	Ratio	Lower	Upper
42	100		
72	29.1	41.7	62.5#
71	20.0	38.4	57.6#

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#30

Chloroform

Concen: 0.42 ug/l

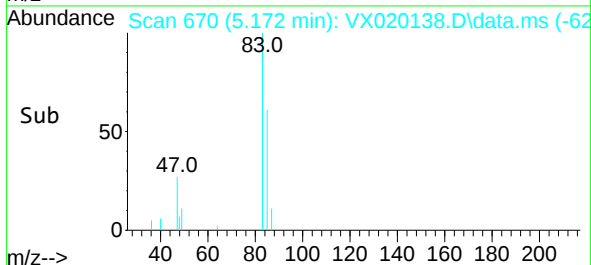
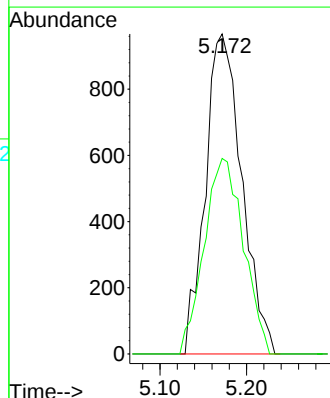
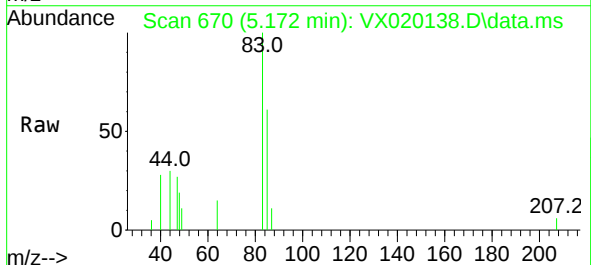
RT: 5.172 min Scan# 670

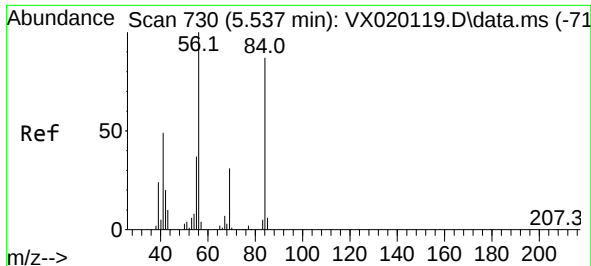
Delta R.T. -0.000 min

Lab File: VX020138.D

Acq: 18 Dec 2020 19:51

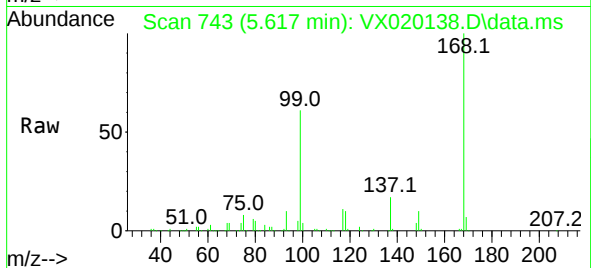
Tgt Ion:	83	Resp:	2823
Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.0	78.0



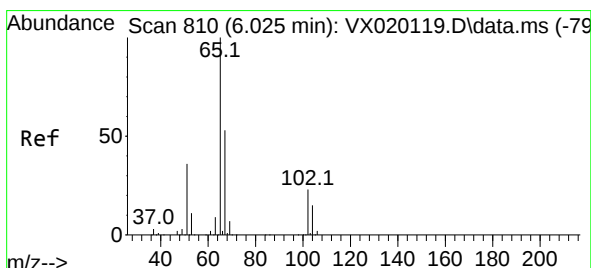
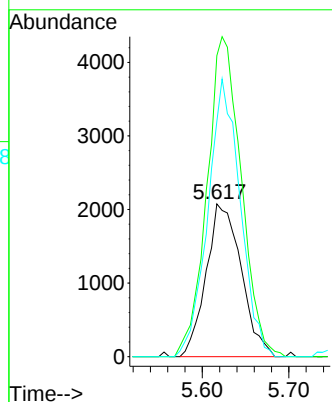
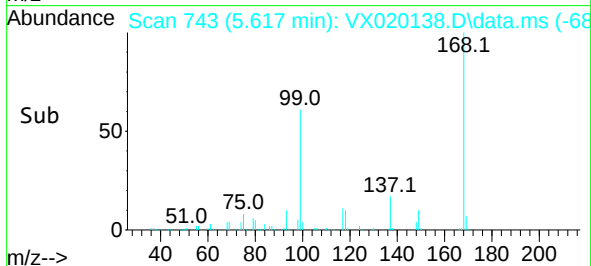


#31
Cyclohexane
Concen: 1.04 ug/l
RT: 5.617 min Scan# 743
Delta R.T. 0.080 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

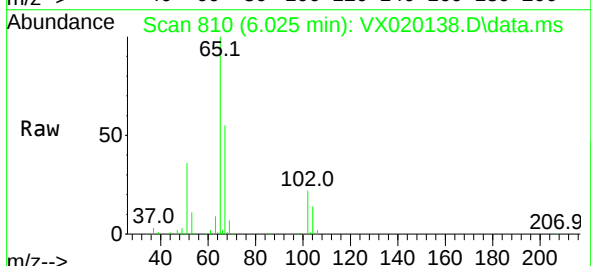
Instrument :
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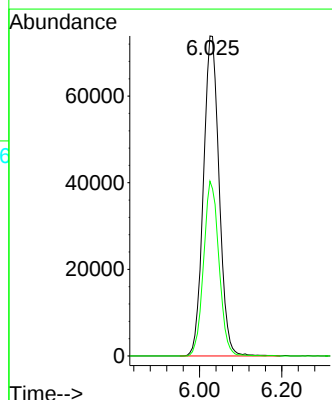
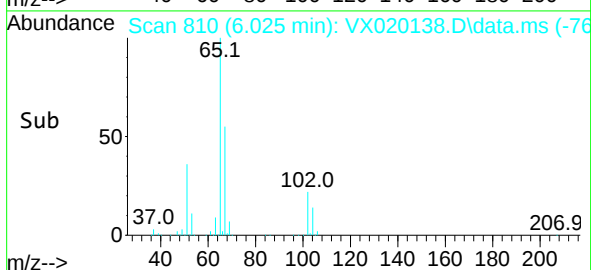
Tgt Ion: 56 Resp: 5832
Ion Ratio Lower Upper
56 100
69 194.3 25.3 37.9#
84 153.8 71.4 107.0#

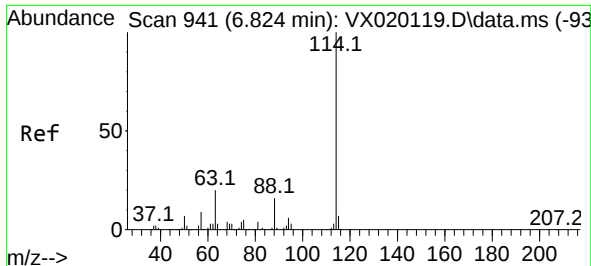


#33
1,2-Dichloroethane-d4
Concen: 48.07 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51



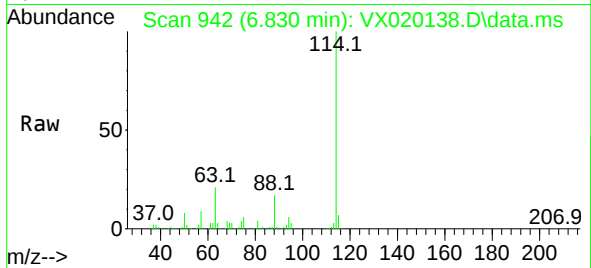
Tgt Ion: 65 Resp: 196009
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4



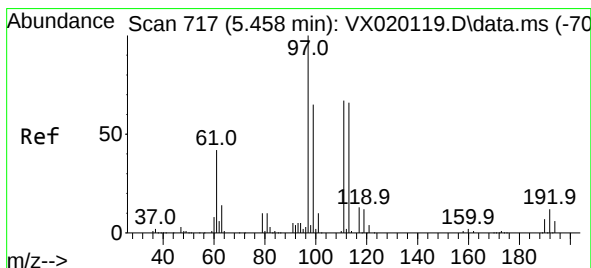
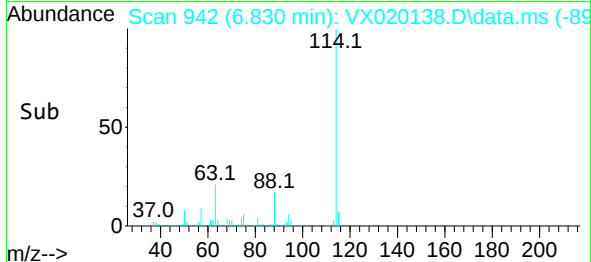
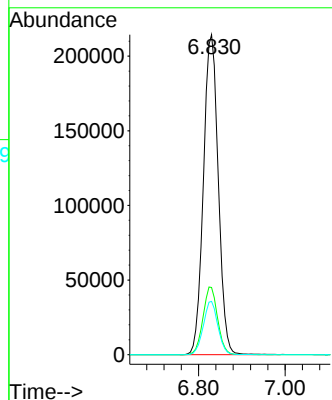


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

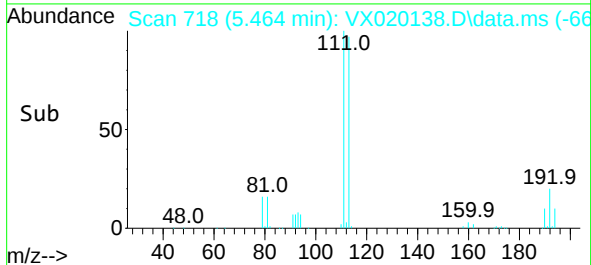
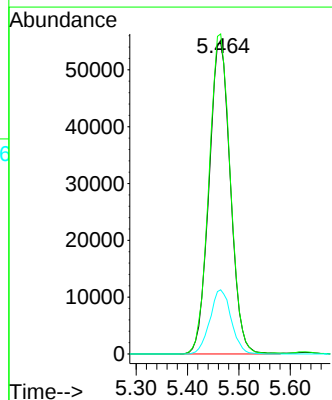
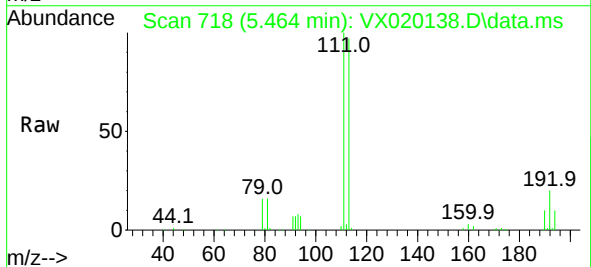


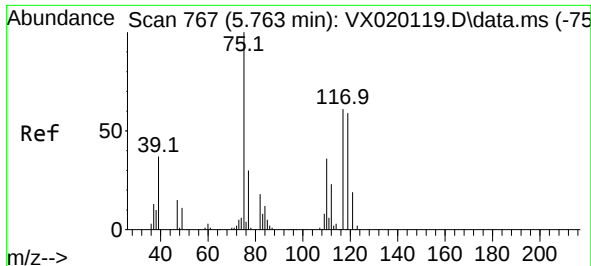
Tgt Ion:114 Resp: 510249
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.59 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

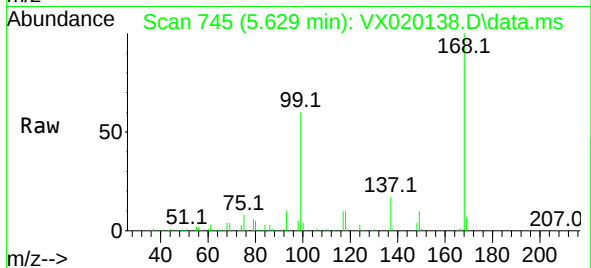
Tgt Ion:113 Resp: 158598
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.4 16.7 25.1



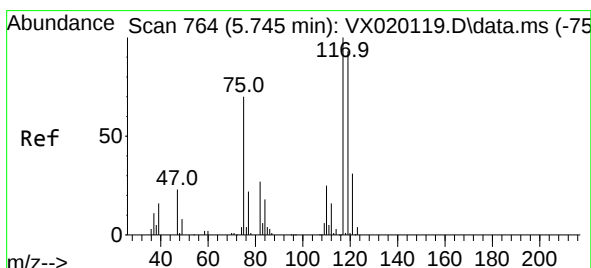
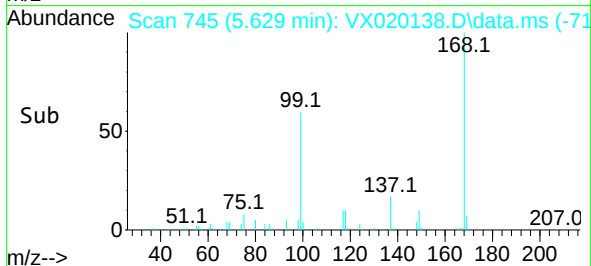
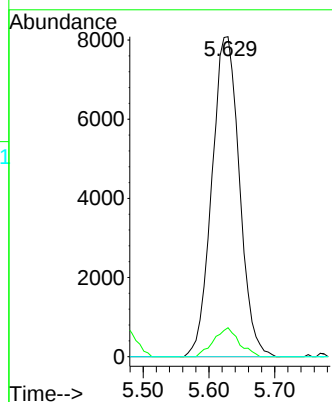


#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

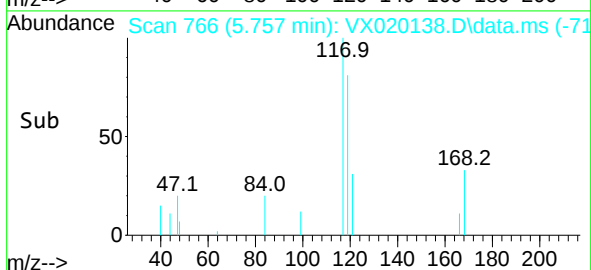
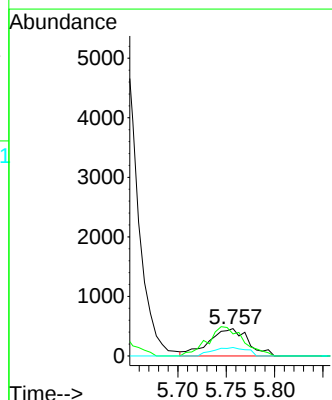
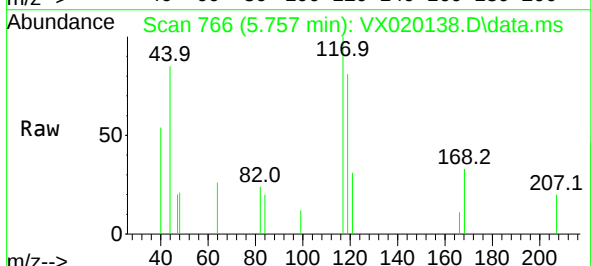


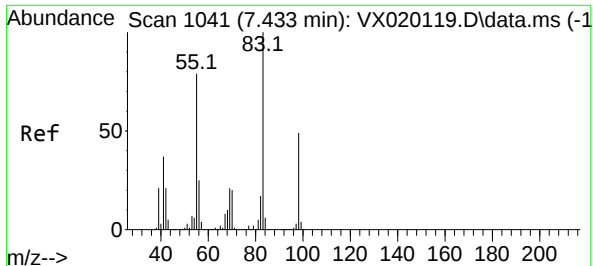
Tgt Ion: 75 Resp: 23553
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.27 ug/l
RT: 5.757 min Scan# 766
Delta R.T. 0.012 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 117 Resp: 1291
Ion Ratio Lower Upper
117 100
119 80.6 76.2 114.2
121 30.9 24.8 37.2





#39

Methylcyclohexane

Concen: 3.40 ug/l

RT: 7.184 min Scan# 1000

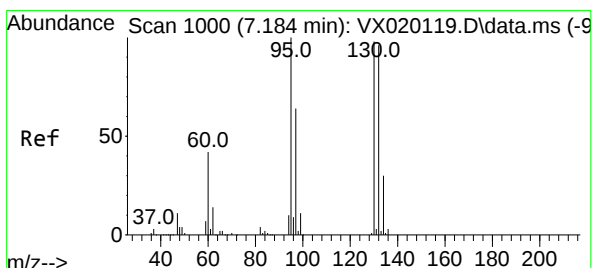
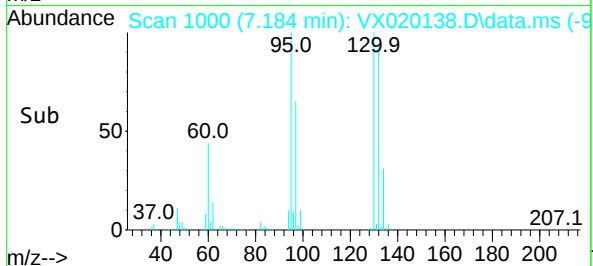
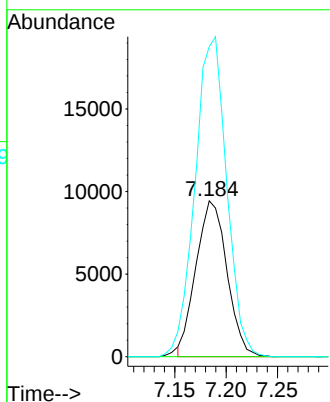
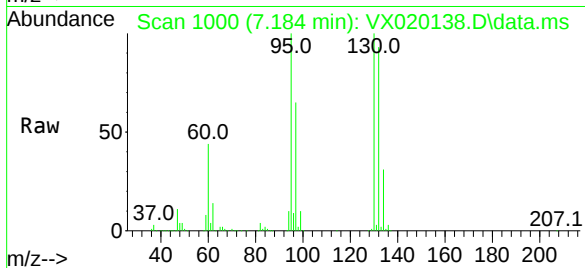
Delta R.T. -0.249 min

Lab File: VX020138.D

Acq: 18 Dec 2020 19:51

Tgt Ion:	83	Resp:	19789
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	198.9	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209



#44

Trichloroethene

Concen: 411.37 ug/l

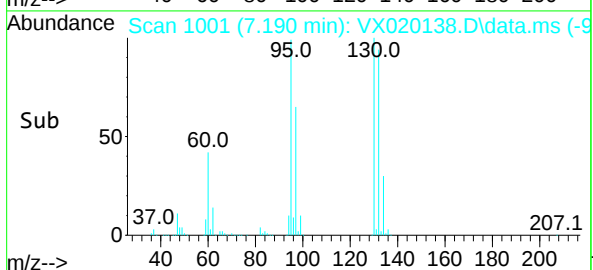
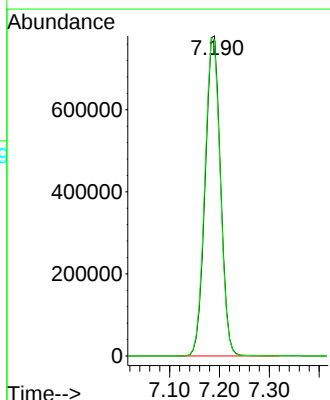
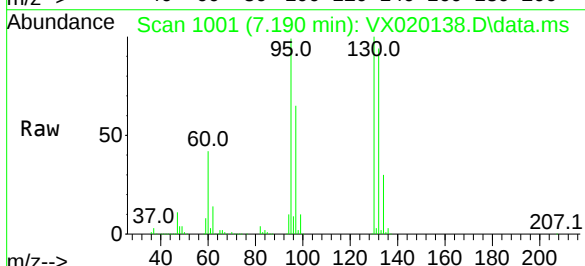
RT: 7.190 min Scan# 1001

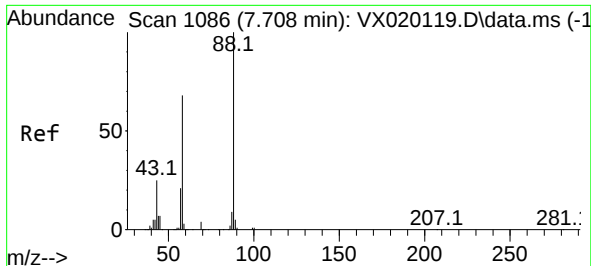
Delta R.T. 0.006 min

Lab File: VX020138.D

Acq: 18 Dec 2020 19:51

Tgt Ion:	130	Resp:	1669256
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	198.0

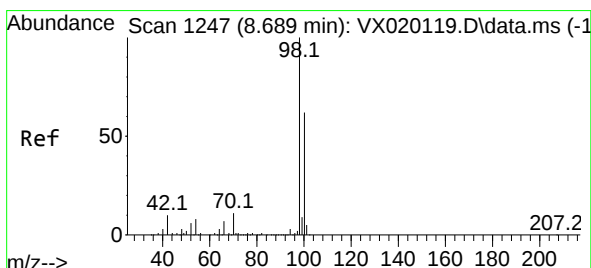
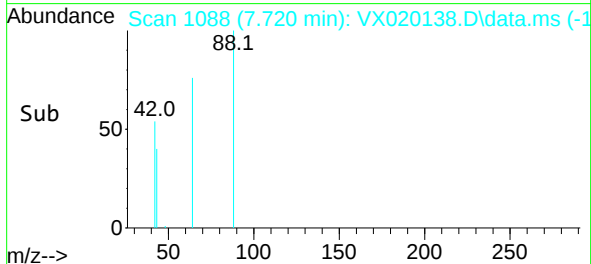
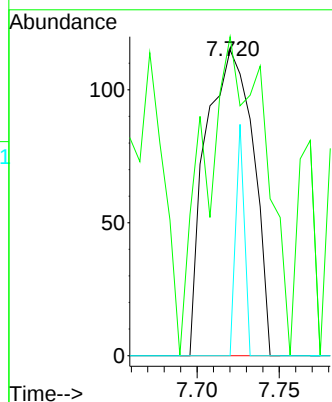
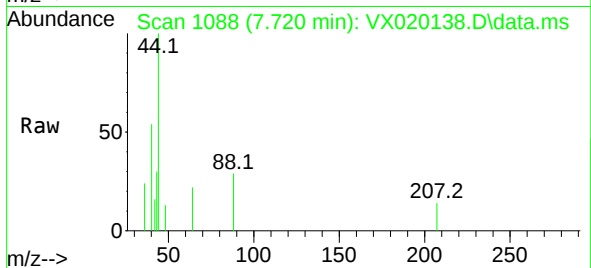




#49
1,4-Dioxane
Concen: 2.42 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

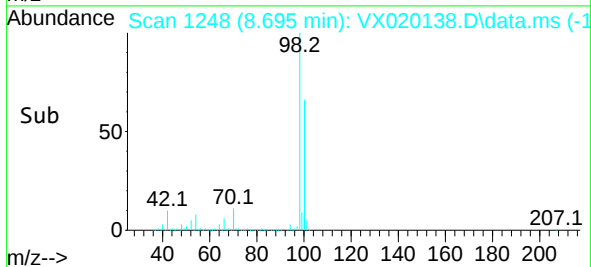
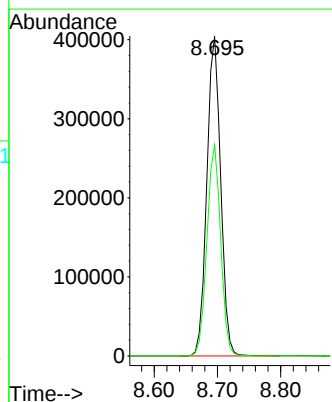
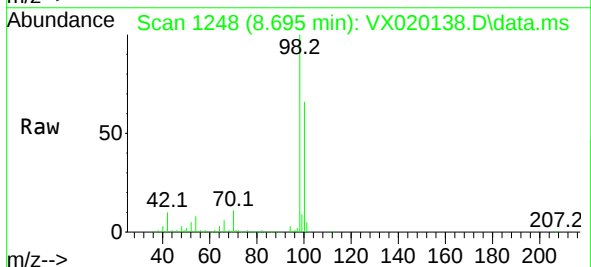
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

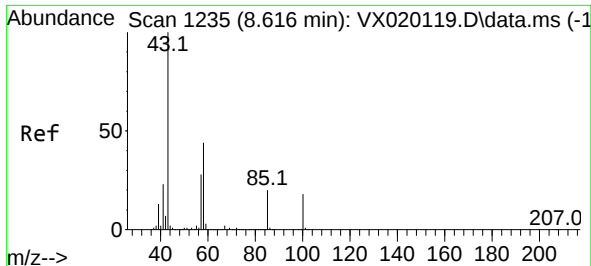
Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 131.3 23.2 34.8#
58 13.9 55.0 82.4#



#50
Toluene-d8
Concen: 49.10 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 98 Resp: 616855
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

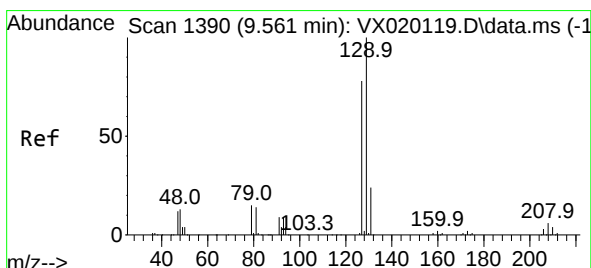
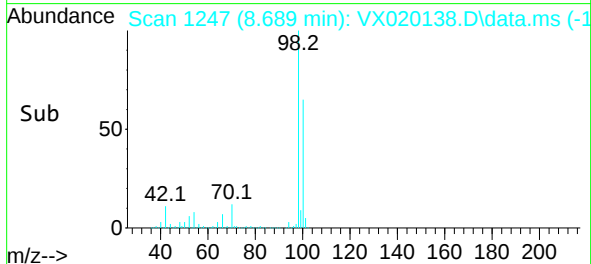
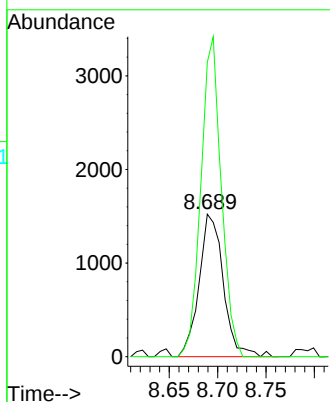
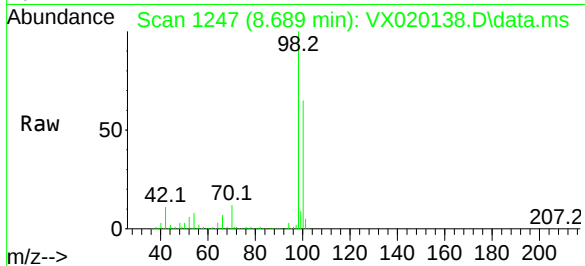




#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

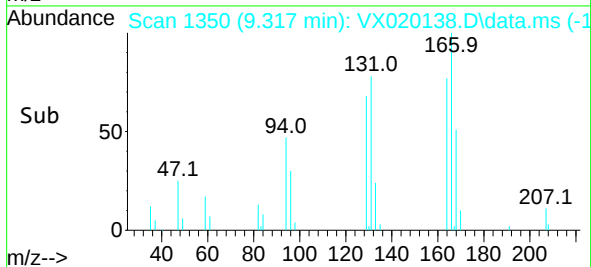
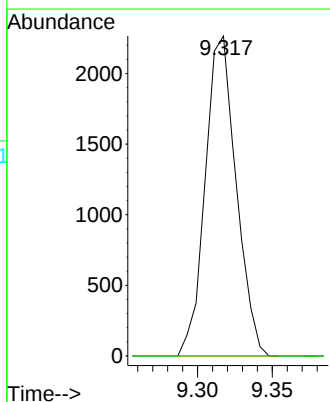
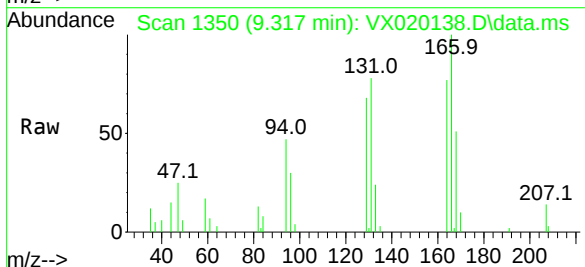
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

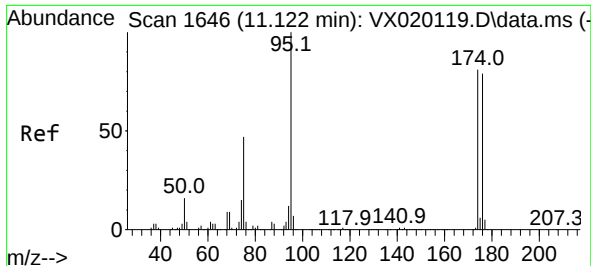
Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 188.4 35.4 53.0#



#60
Dibromochloromethane
Concen: 0.83 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 129 Resp: 3265
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

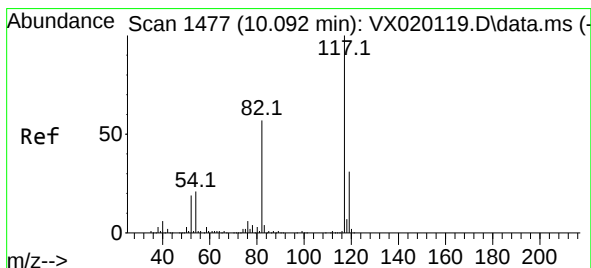
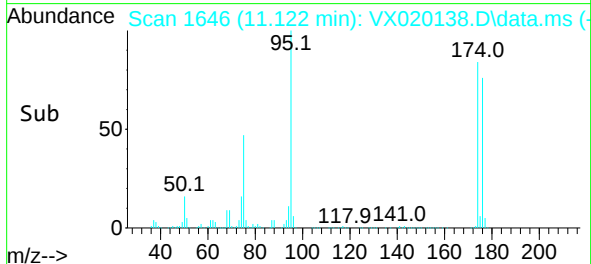
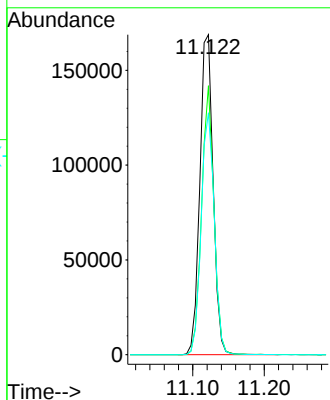
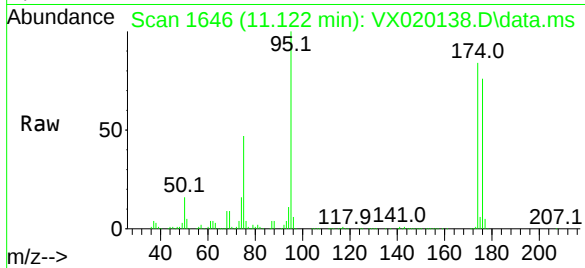




#62
4-Bromofluorobenzene
Concen: 45.27 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

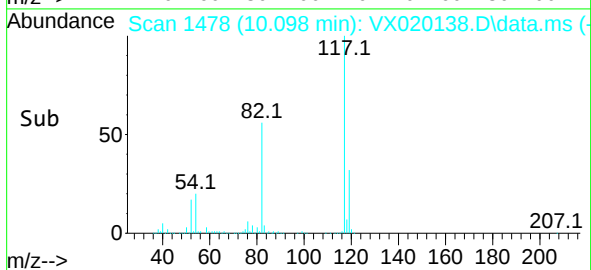
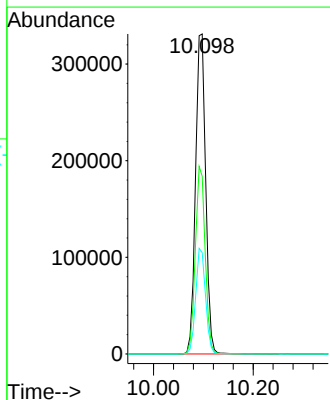
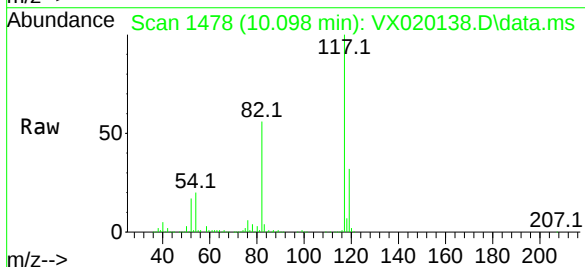
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

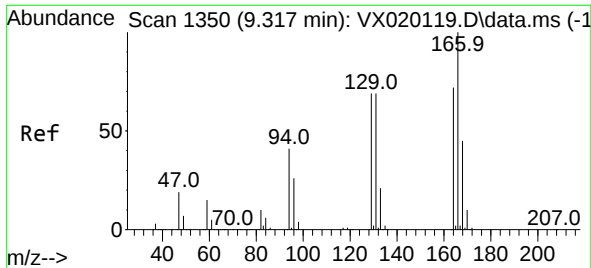
Tgt Ion: 95 Resp: 217706
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.6
176 74.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion: 117 Resp: 466654
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 31.6 26.6 39.8



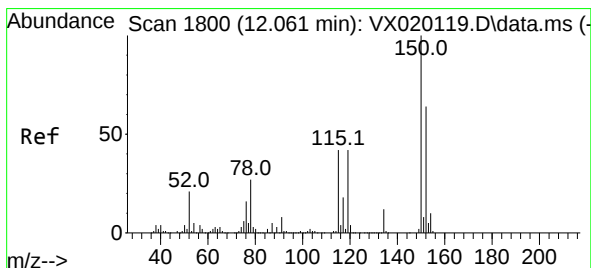
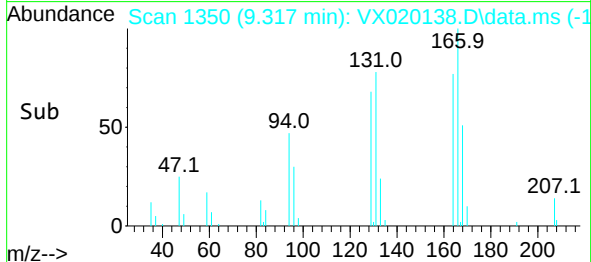
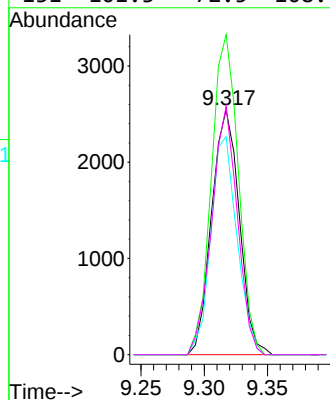
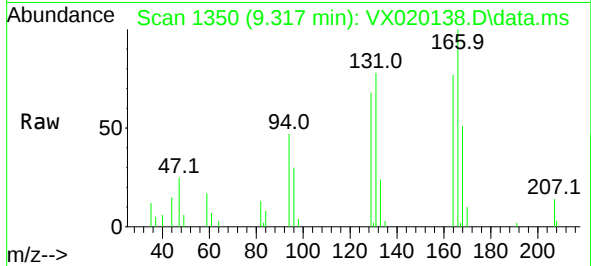


#64
Tetrachloroethene
Concen: 1.10 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

Tgt Ion:164 Resp: 3863

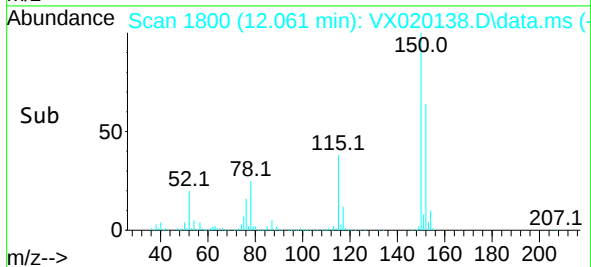
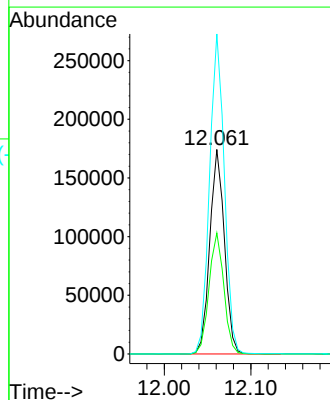
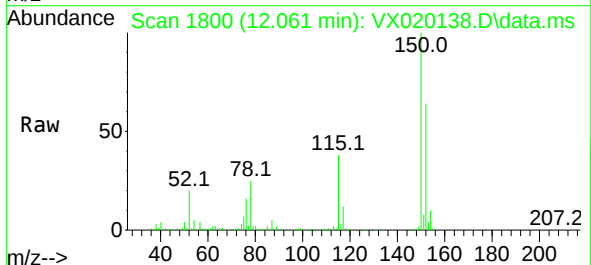
Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.4	155.2
129	89.1	70.8	106.2
131	101.3	72.5	108.7

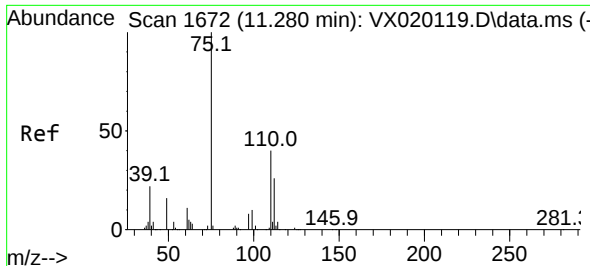


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

Tgt Ion:152 Resp: 204805

Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.1	123.3
150	158.1	0.0	349.0

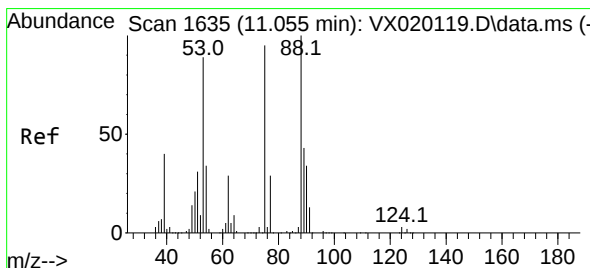
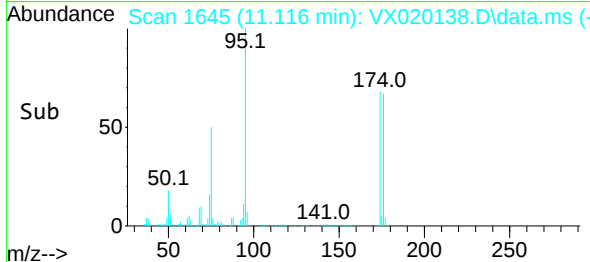
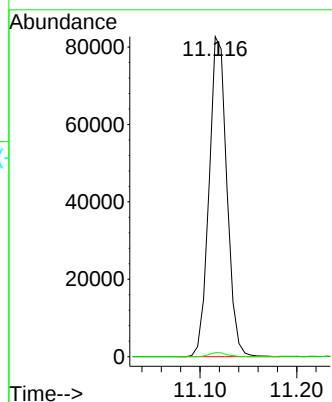
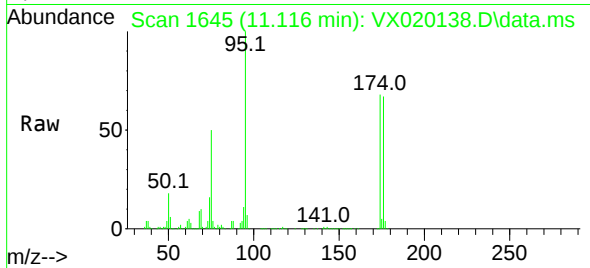




#76
1,2,3-Trichloropropane
Concen: 20.94 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

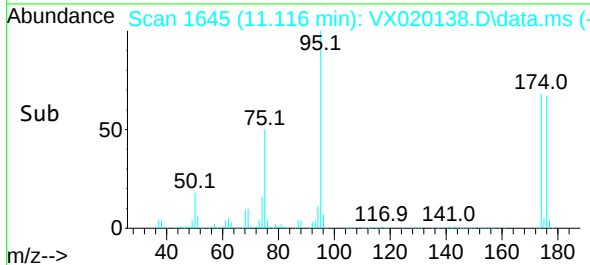
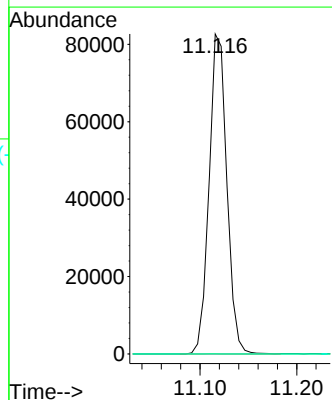
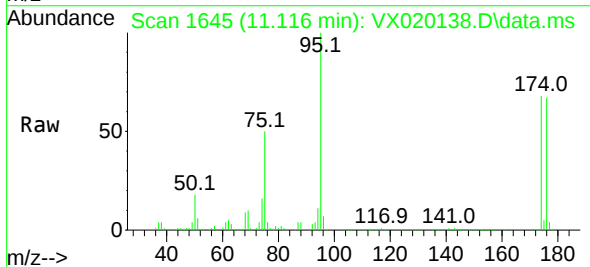
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20201209

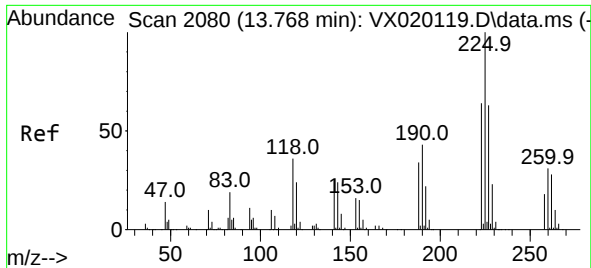
Tgt Ion: 75 Resp: 105623
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.11 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020138.D
Acq: 18 Dec 2020 19:51

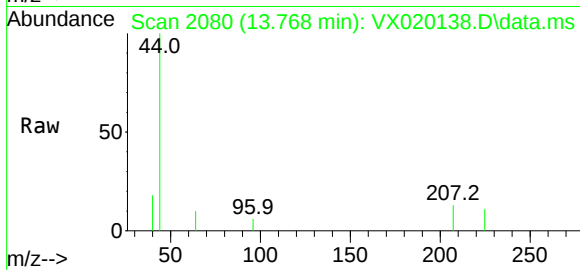
Tgt Ion: 75 Resp: 105623
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.68 ug/l
 RT: 13.768 min Scan# 2080
 Delta R.T. -0.000 min
 Lab File: VX020138.D
 Acq: 18 Dec 2020 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20201209



Tgt Ion:225 Resp: 78
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 31.6 95.0#

