

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020335.D
 Acq On : 23 Dec 2020 13:57
 Operator : JC/MD
 Sample : L5124-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20201211

Quant Time: Dec 24 00:16:28 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)

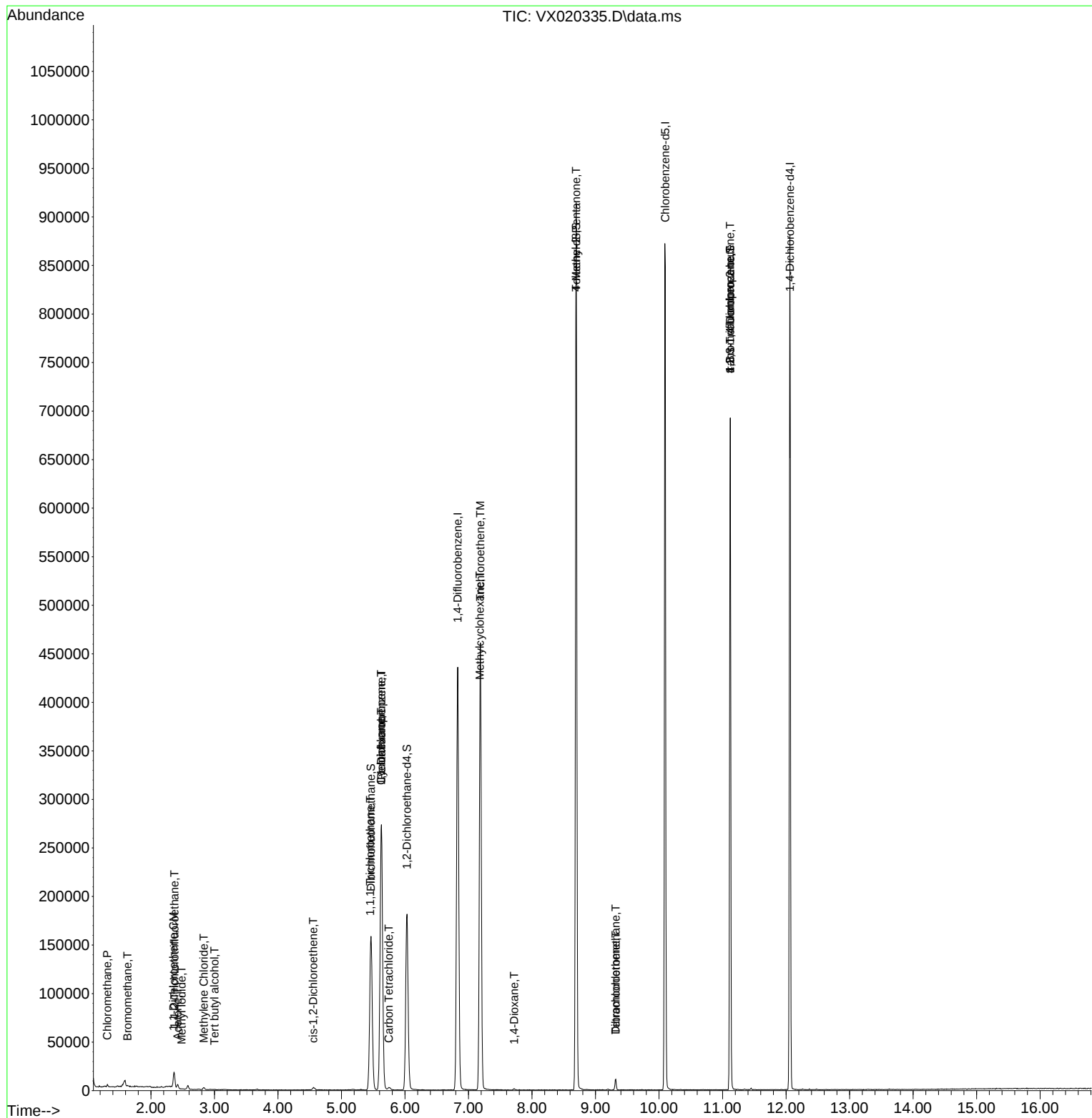
Internal Standards						
1) Pentafluorobenzene	5.629	168	259426	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	436240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	409224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	179377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	173322	49.84	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.68%		
35) Dibromofluoromethane	5.464	113	139401	49.95	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.90%		
50) Toluene-d8	8.696	98	533398	49.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.32%		
62) 4-Bromofluorobenzene	11.122	95	192043	46.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.42%		
Target Compounds						Qvalue
3) Chloromethane	1.313	50	1125	0.34	ug/l #	82
5) Bromomethane	1.630	94	596	0.52	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	2.367	101	5550	2.14	ug/l	94
10) Methyl Iodide	2.483	142	378	3.39	ug/l #	87
11) Tert butyl alcohol	3.002	59	181	0.23	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	956	0.36	ug/l #	81
16) Acetone	2.416	43	4401	2.78	ug/l	97
20) Methylene Chloride	2.831	84	884	0.25	ug/l #	92
27) cis-1,2-Dichloroethene	4.556	96	1630	0.45	ug/l	88
31) Cyclohexane	5.623	56	5338	1.11	ug/l #	1
32) 1,1,1-Trichloroethane	5.452	97	1081	0.23	ug/l #	40
36) 1,1-Dichloropropene	5.623	75	20130	4.67	ug/l #	48
38) Carbon Tetrachloride	5.745	117	1950	0.48	ug/l	88
39) Methylcyclohexane	7.178	83	2279	0.46	ug/l #	1
44) Trichloroethene	7.184	130	180285	51.97	ug/l	100
49) 1,4-Dioxane	7.720	88	947	11.67	ug/l #	88
51) 4-Methyl-2-Pentanone	8.696	43	2209	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	2129	0.64	ug/l #	11
64) Tetrachloroethene	9.317	164	2212	0.72	ug/l	92
76) 1,2,3-Trichloropropane	11.122	75	92489	20.93	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	92489	62.10	ug/l #	12

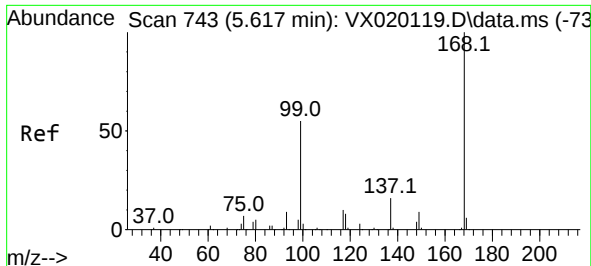
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 24 00:16:28 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

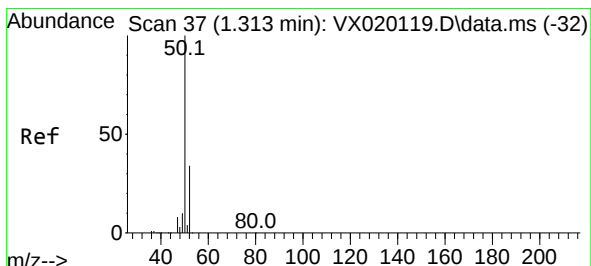
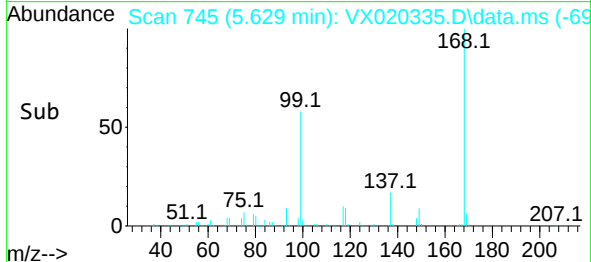
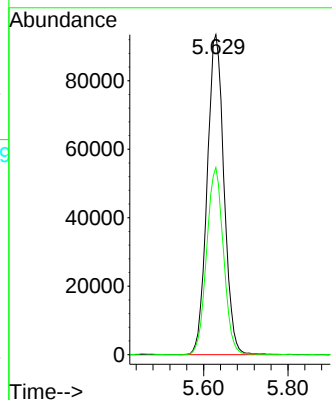
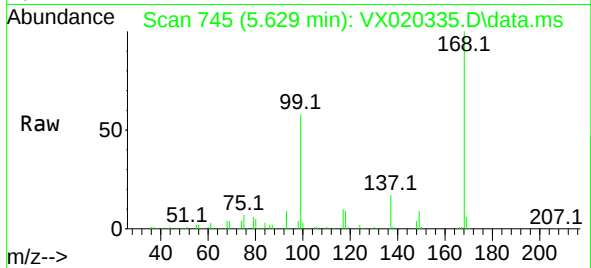




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

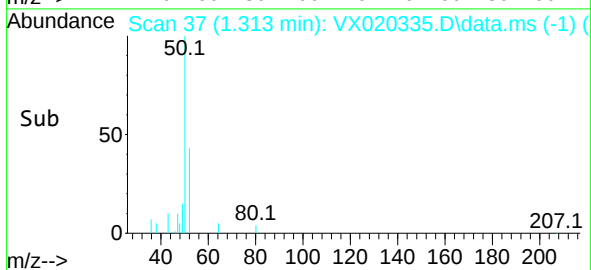
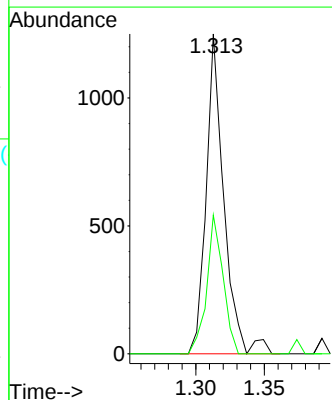
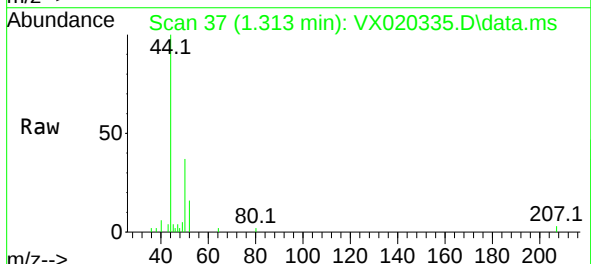
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

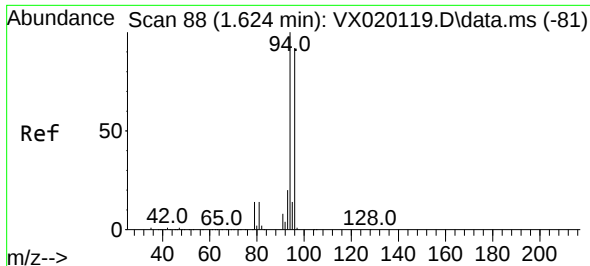
Tgt Ion:168 Resp: 259426
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#3
Chloromethane
Concen: 0.34 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 50 Resp: 1125
Ion Ratio Lower Upper
50 100
52 43.4 26.4 39.6#

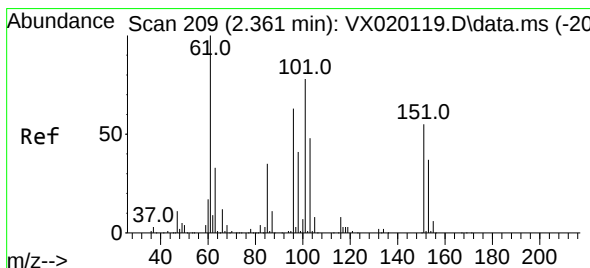
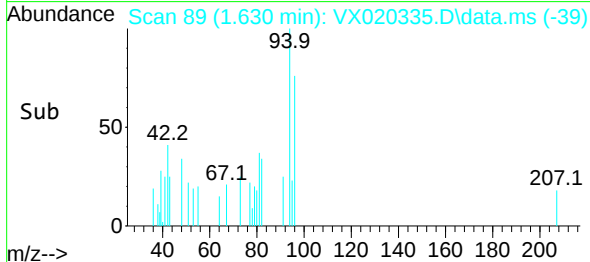
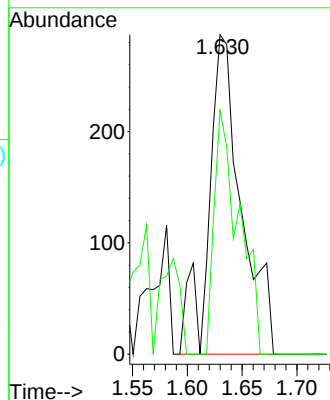
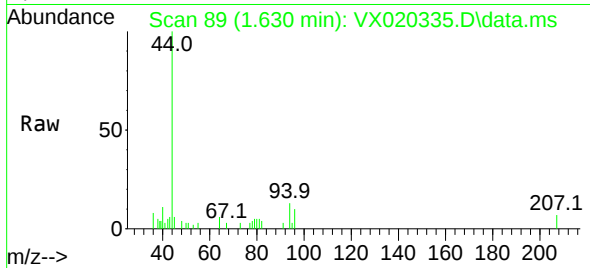




#5
Bromomethane
Concen: 0.52 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

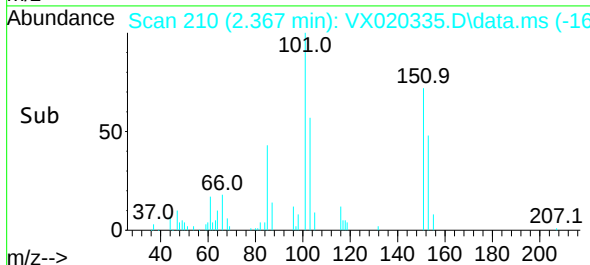
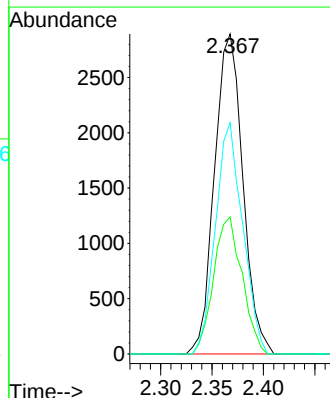
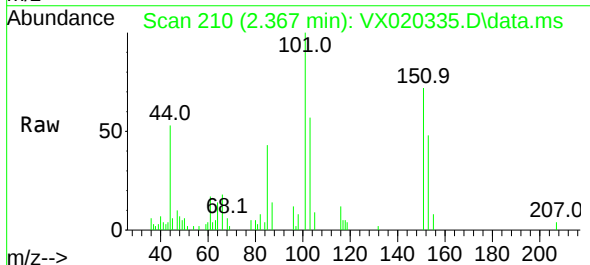
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

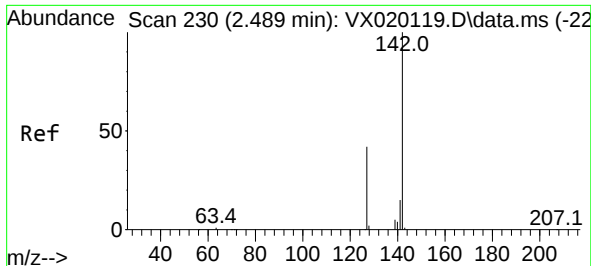
Tgt Ion: 94 Resp: 596
Ion Ratio Lower Upper
94 100
96 76.3 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.14 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

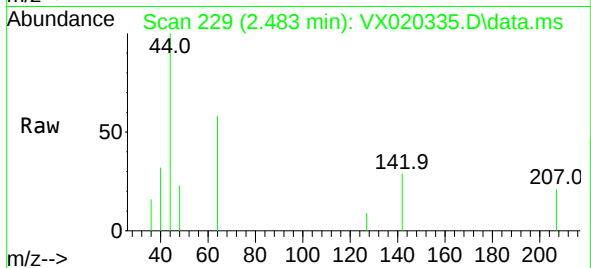
Tgt Ion: 101 Resp: 5550
Ion Ratio Lower Upper
101 100
85 43.0 34.9 52.3
151 69.4 61.4 92.2



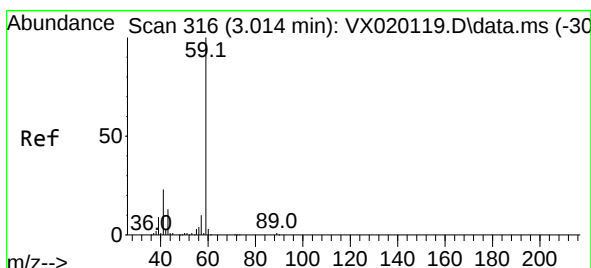
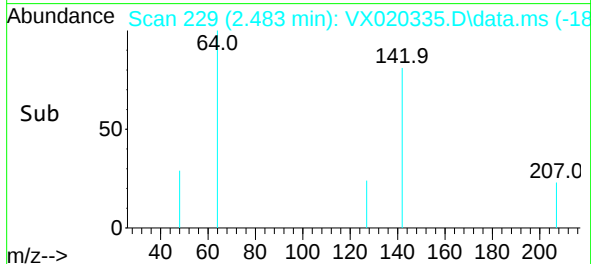
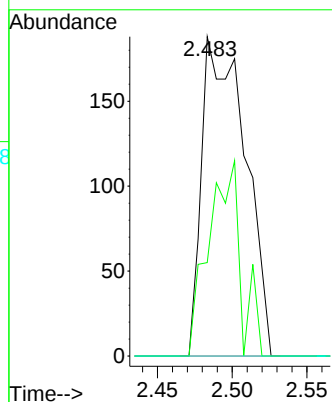


#10
Methyl Iodide
Concen: 3.39 ug/l
RT: 2.483 min Scan# 229
Delta R.T. -0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

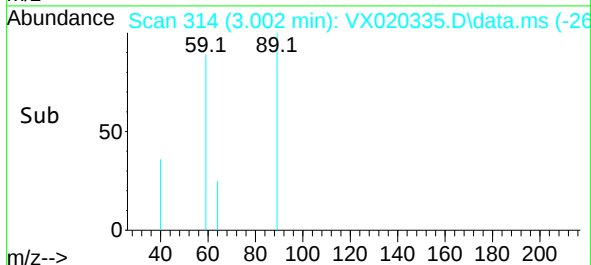
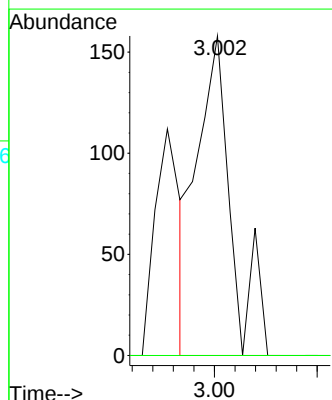
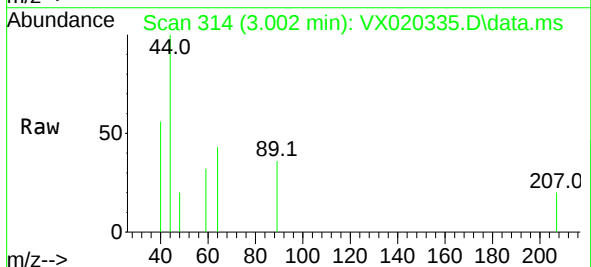


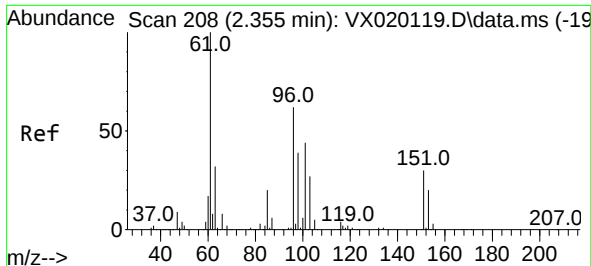
Tgt Ion:142 Resp: 378
Ion Ratio Lower Upper
142 100
127 45.5 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.36 ug/l

RT: 2.355 min Scan# 208

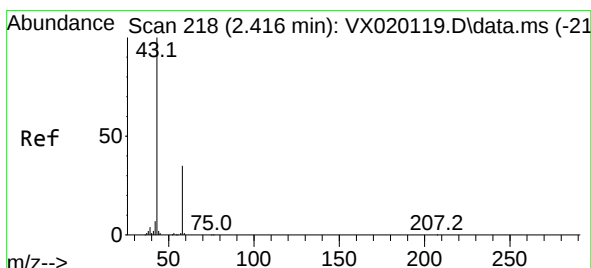
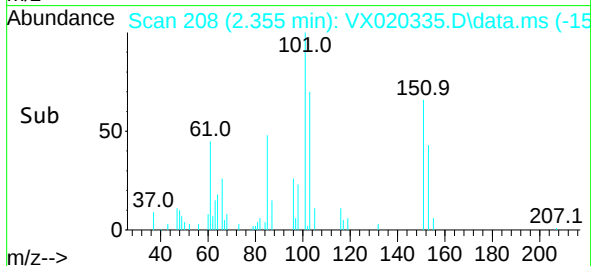
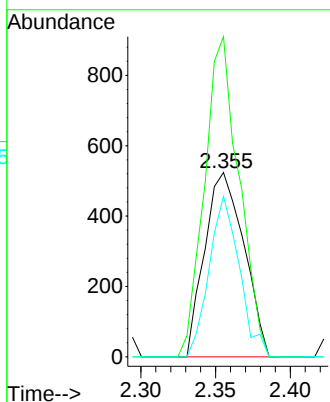
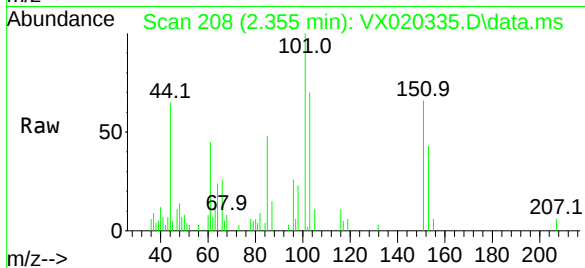
Delta R.T. 0.000 min

Lab File: VX020335.D

Acq: 23 Dec 2020 13:57

Tgt Ion:	96	Resp:	956
Ion	Ratio	Lower	Upper
96	100		
61	173.7	124.6	187.0
98	87.0	50.6	76.0#

Instrument :
MSVOA_X
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#16

Acetone

Concen: 2.78 ug/l

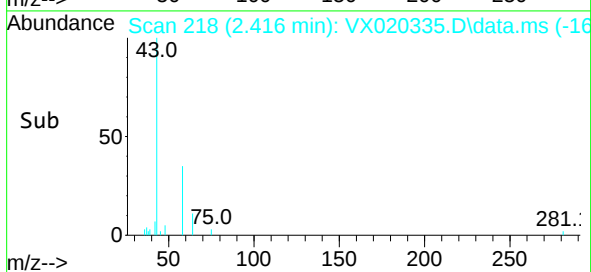
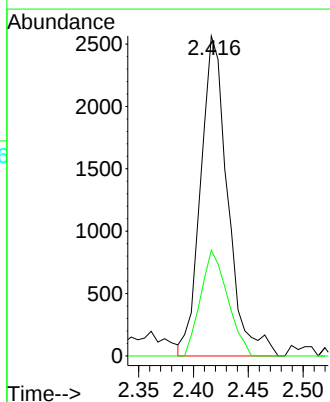
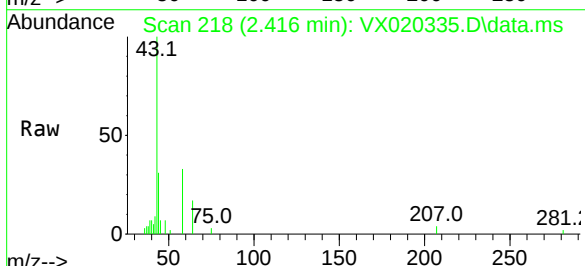
RT: 2.416 min Scan# 218

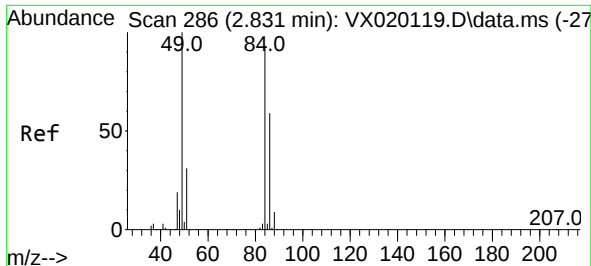
Delta R.T. 0.000 min

Lab File: VX020335.D

Acq: 23 Dec 2020 13:57

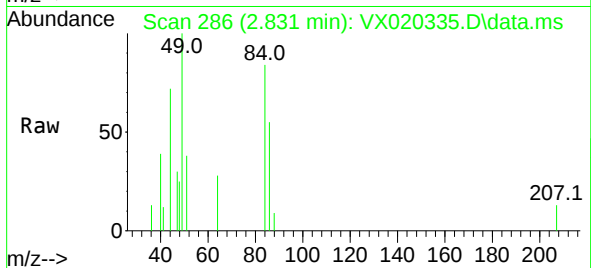
Tgt Ion:	43	Resp:	4401
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.8	41.8



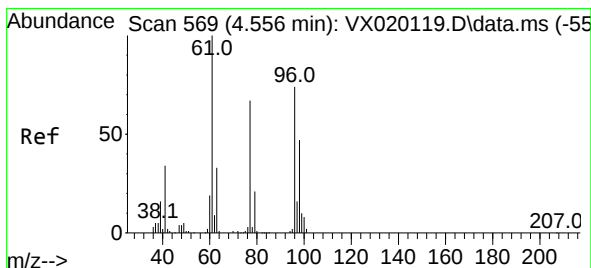
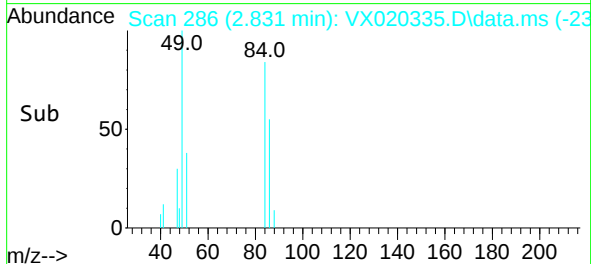
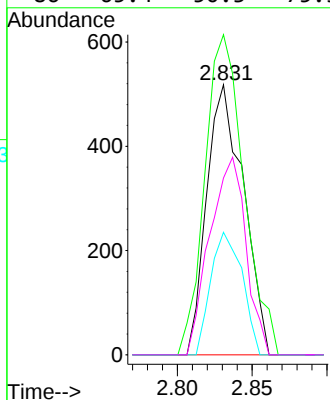


#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

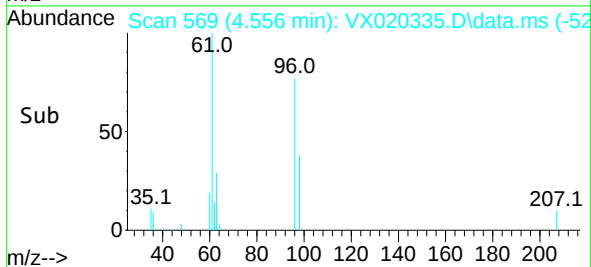
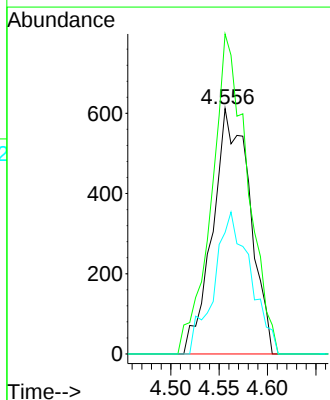
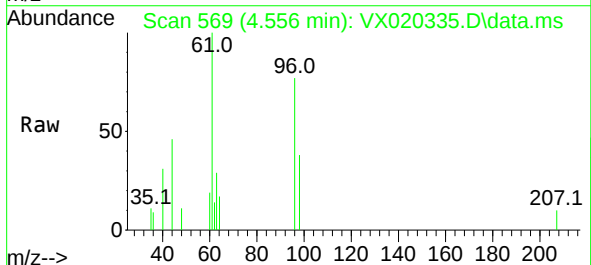


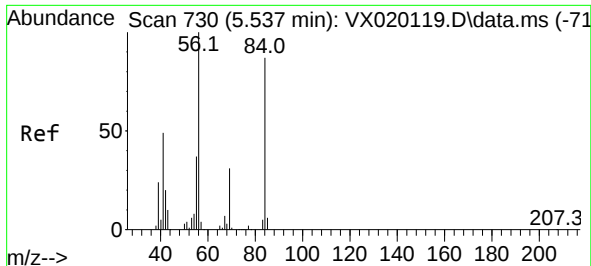
Tgt Ion:	84	Resp:	884
Ion	Ratio	Lower	Upper
84	100		
49	118.5	88.6	132.8
51	45.4	27.0	40.6#
86	65.4	50.3	75.5



#27
cis-1,2-Dichloroethene
Concen: 0.45 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

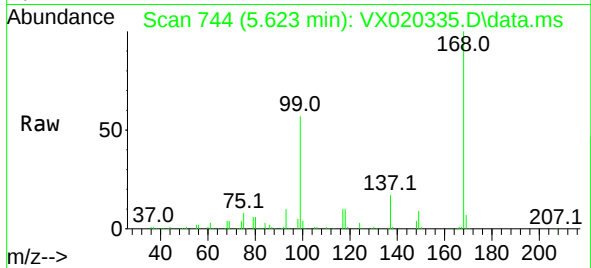
Tgt Ion:	96	Resp:	1630
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	285.6
98	56.8	0.0	129.6



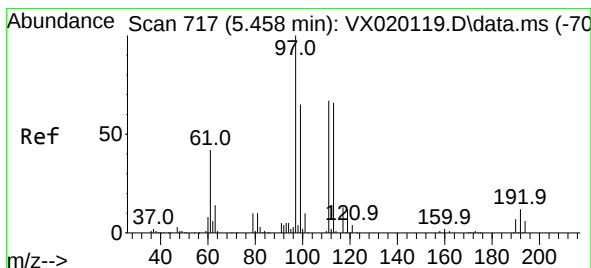
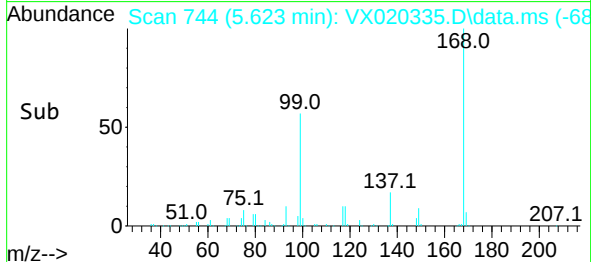
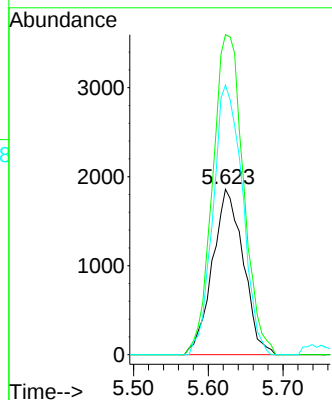


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

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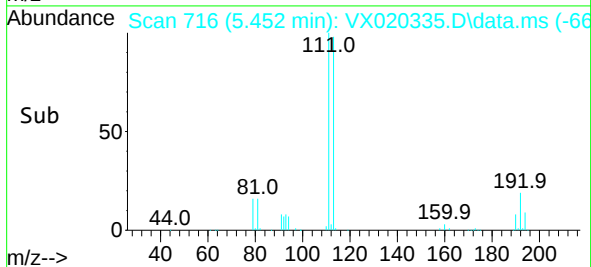
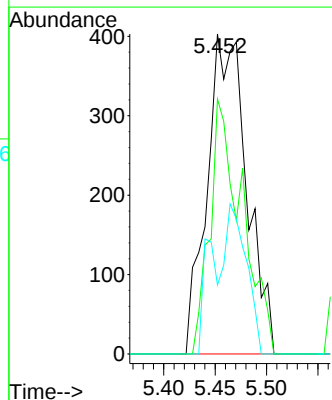
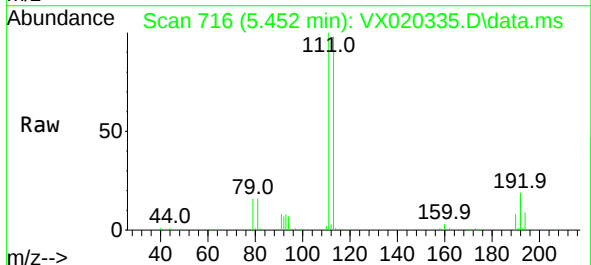


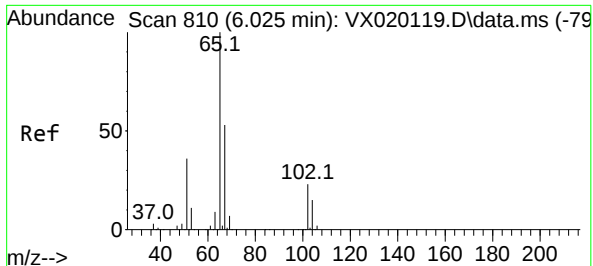
Tgt Ion: 56 Resp: 5338
Ion Ratio Lower Upper
56 100
69 193.4 25.3 37.9#
84 162.9 71.4 107.0#



#32
1,1,1-Trichloroethane
Concen: 0.23 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 97 Resp: 1081
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 26.1 34.2 51.4#

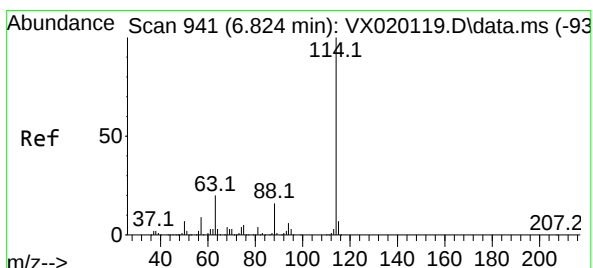
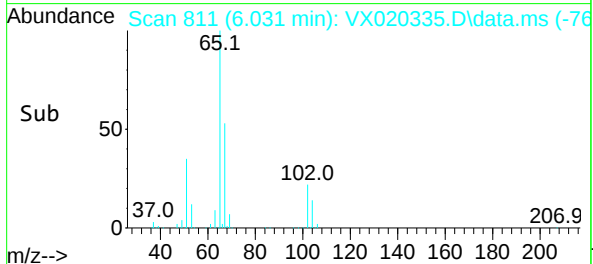
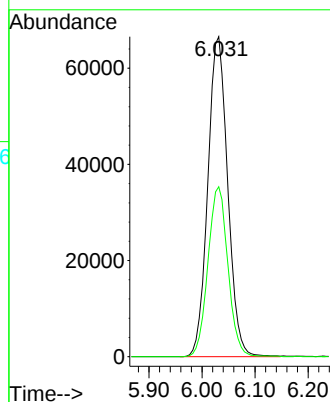
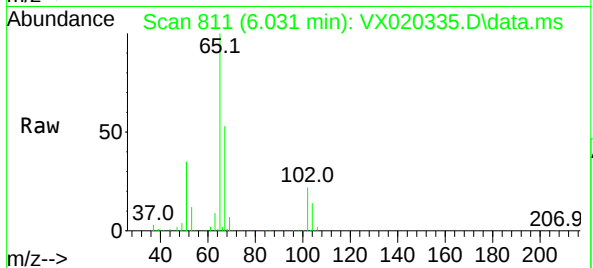




#33
1,2-Dichloroethane-d4
Concen: 49.84 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

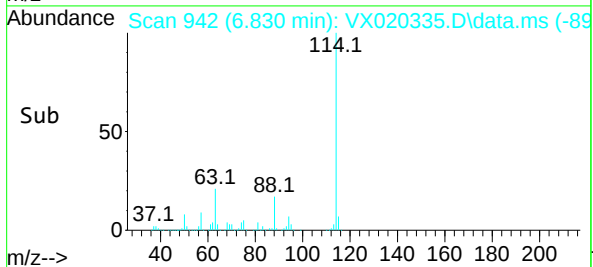
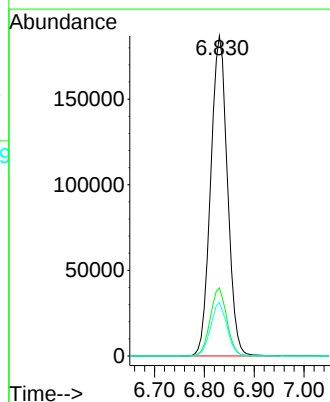
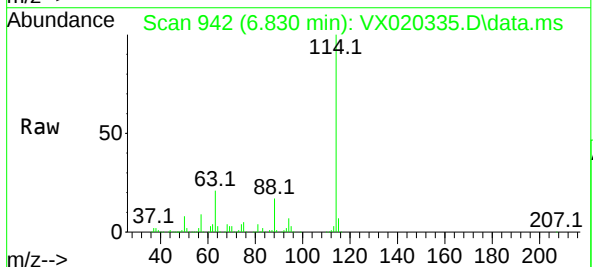
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

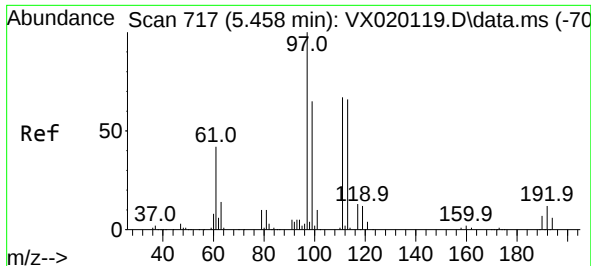
Tgt Ion: 65 Resp: 173322
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 114 Resp: 436240
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.8 0.0 32.8

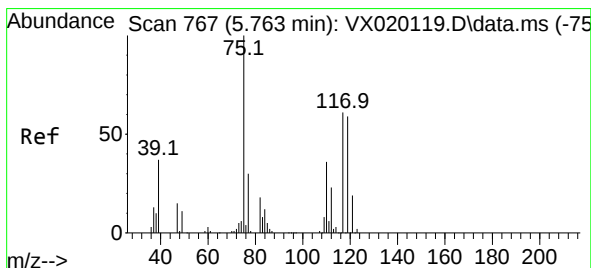
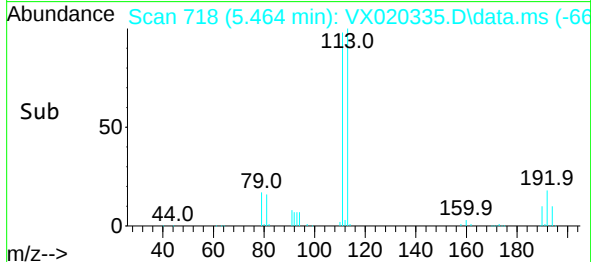
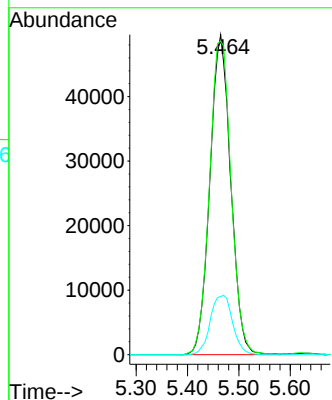
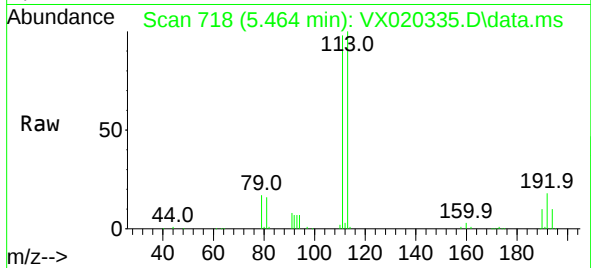




#35
Dibromofluoromethane
Concen: 49.95 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

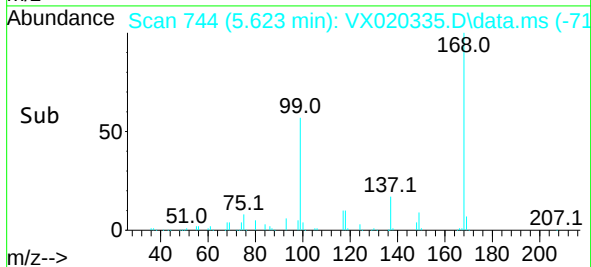
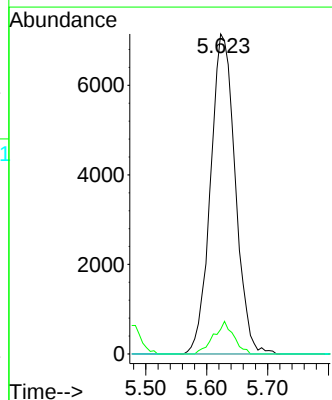
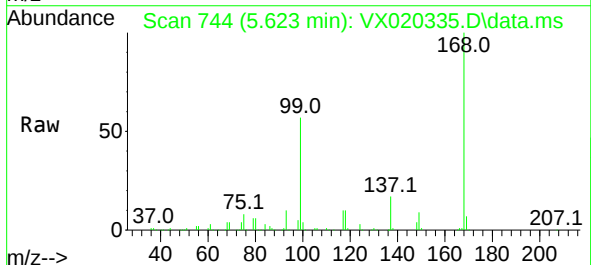
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

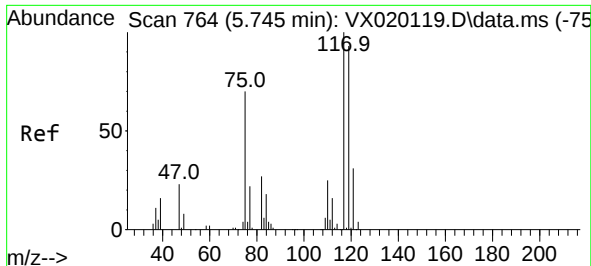
Tgt Ion:113 Resp: 139401
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 19.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 75 Resp: 20130
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#

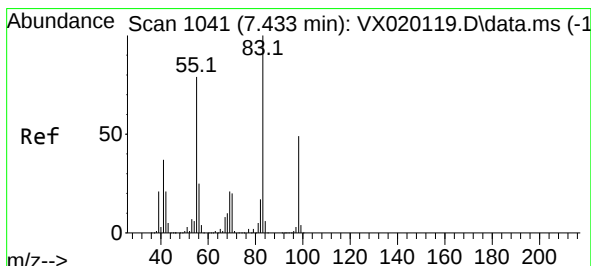
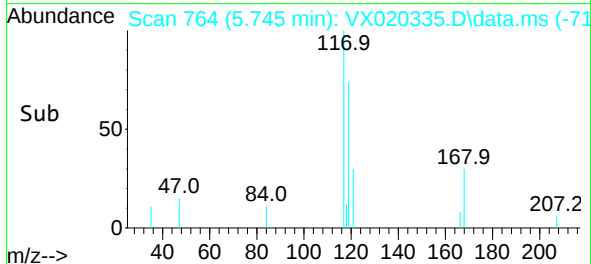
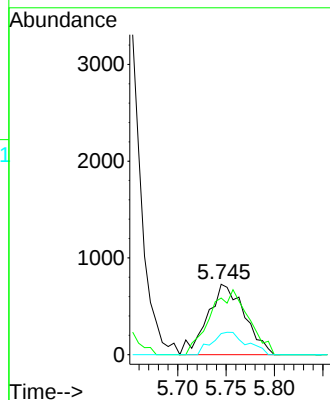
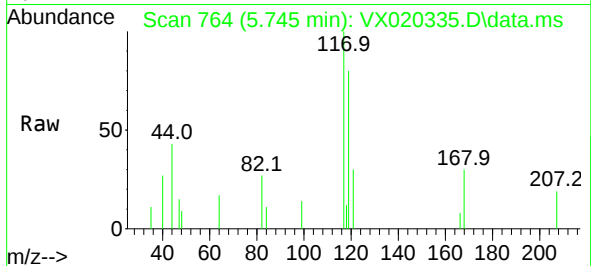




#38
Carbon Tetrachloride
Concen: 0.48 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

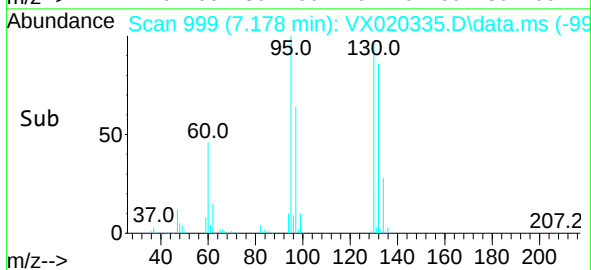
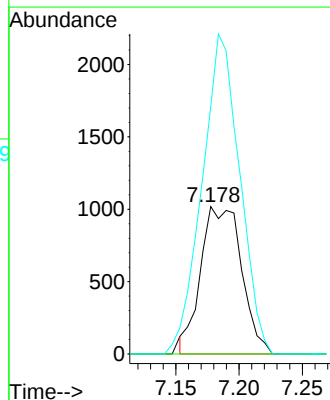
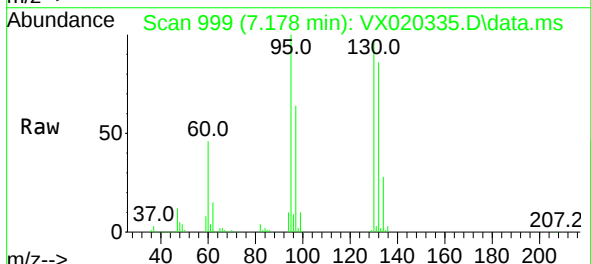
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

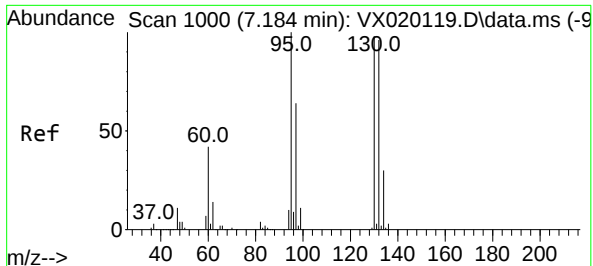
Tgt Ion:117 Resp: 1950
Ion Ratio Lower Upper
117 100
119 80.5 76.2 114.2
121 29.9 24.8 37.2



#39
Methylcyclohexane
Concen: 0.46 ug/l
RT: 7.178 min Scan# 999
Delta R.T. -0.255 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 83 Resp: 2279
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 168.0 38.1 57.1#

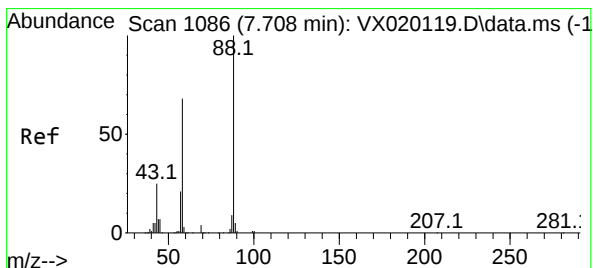
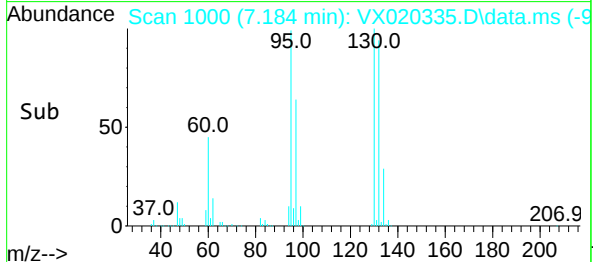
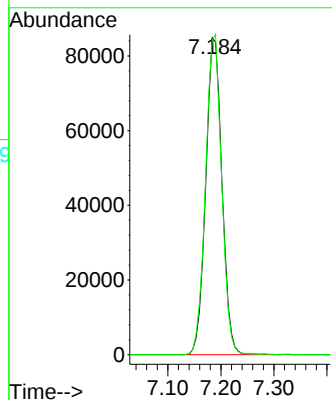
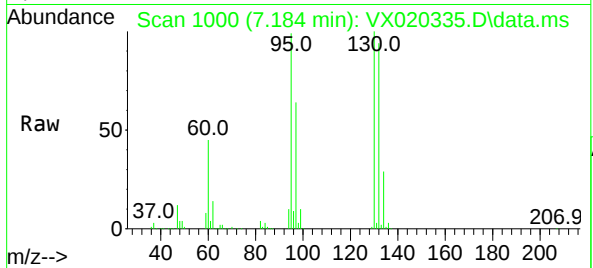




#44
Trichloroethene
Concen: 51.97 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

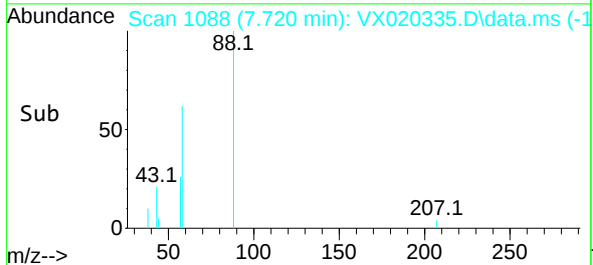
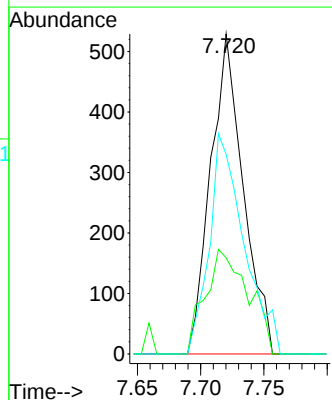
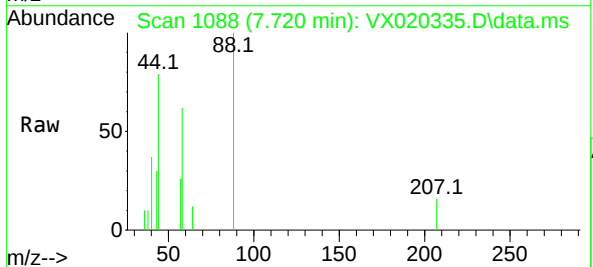
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

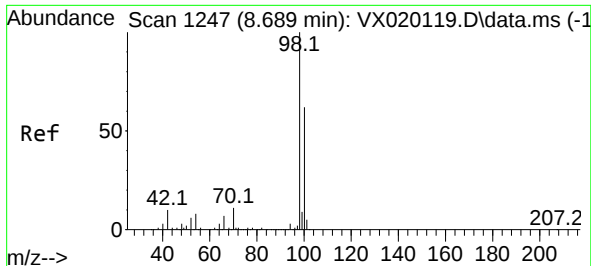
Tgt Ion:130 Resp: 180285
Ion Ratio Lower Upper
130 100
95 99.2 0.0 198.0



#49
1,4-Dioxane
Concen: 11.67 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 88 Resp: 947
Ion Ratio Lower Upper
88 100
43 43.3 23.2 34.8#
58 73.4 55.0 82.4

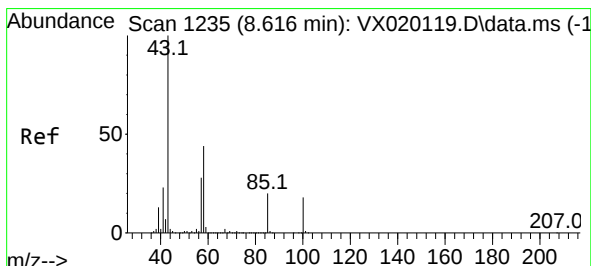
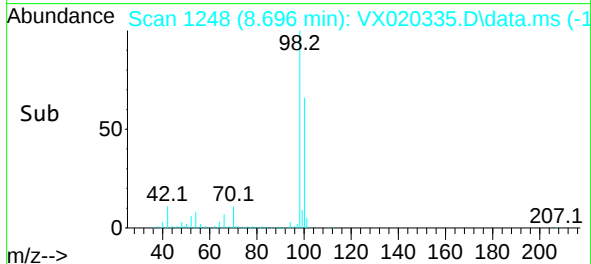
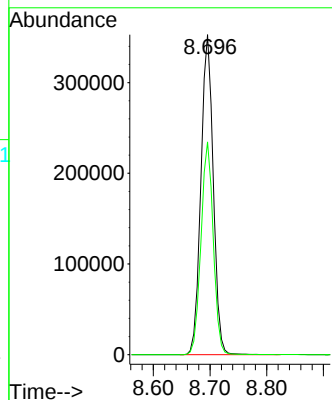
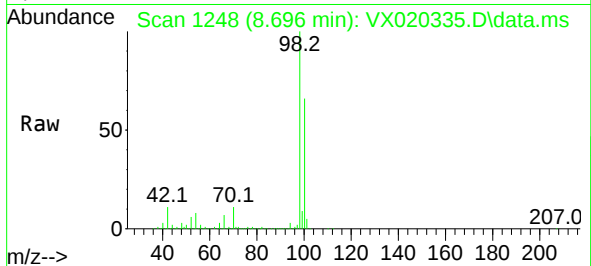




#50
Toluene-d8
Concen: 49.66 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

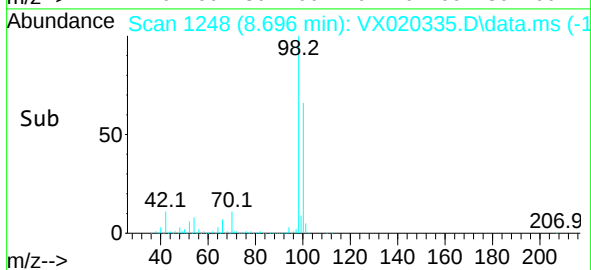
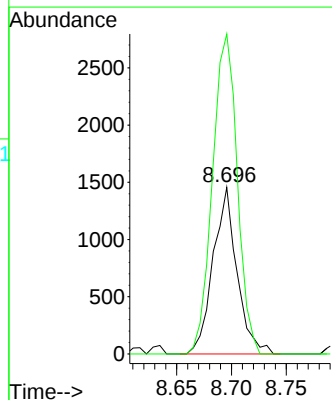
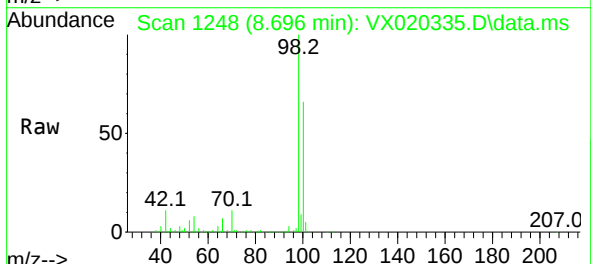
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

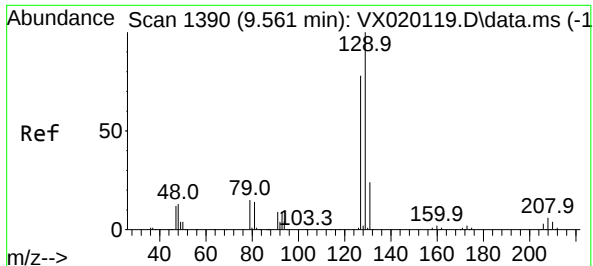
Tgt Ion: 98 Resp: 533398
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 199.2 35.4 53.0#

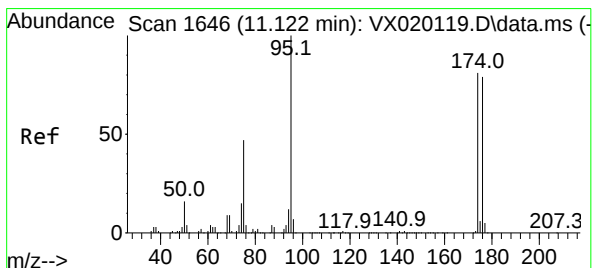
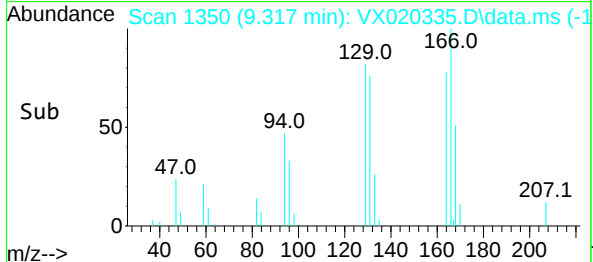
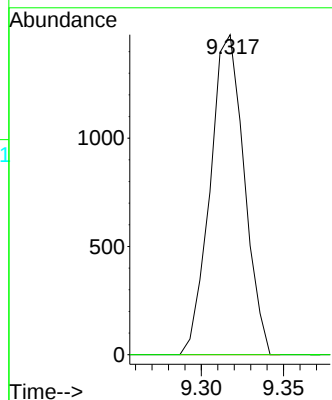
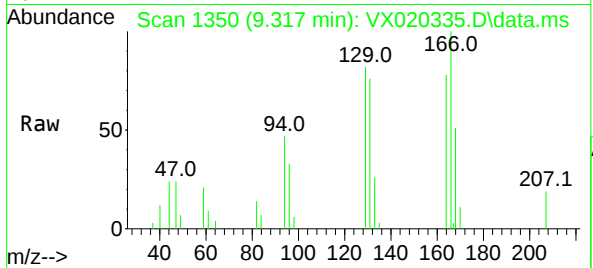




#60
Dibromochloromethane
Concen: 0.64 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

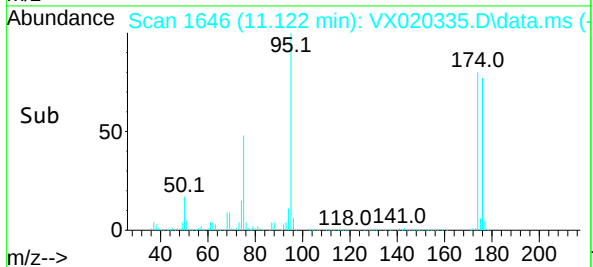
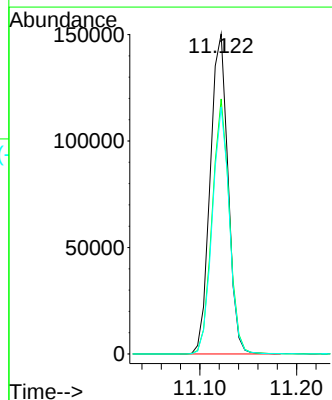
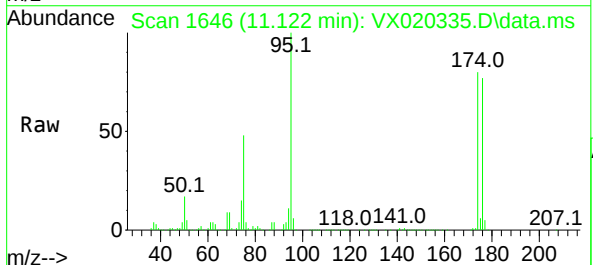
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

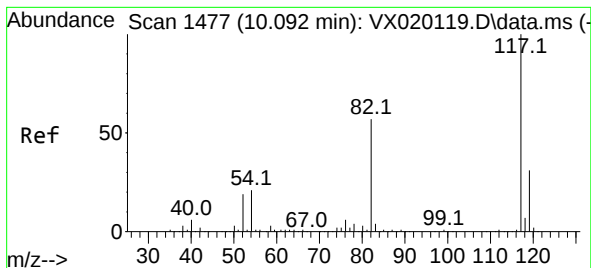
Tgt Ion:129 Resp: 2129
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.71 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion: 95 Resp: 192043
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 74.1 0.0 155.8

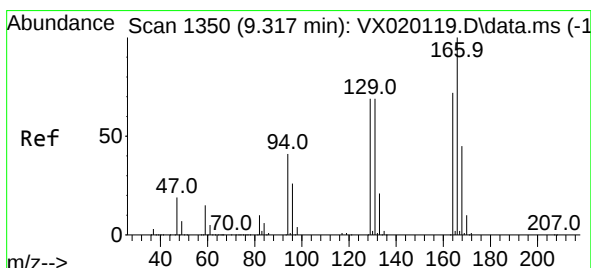
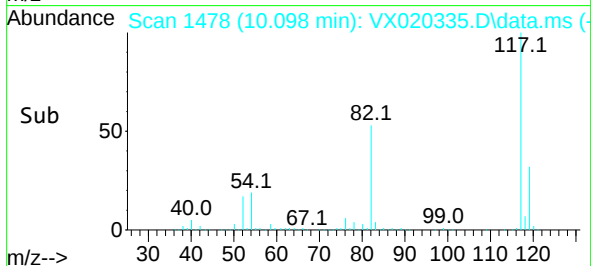
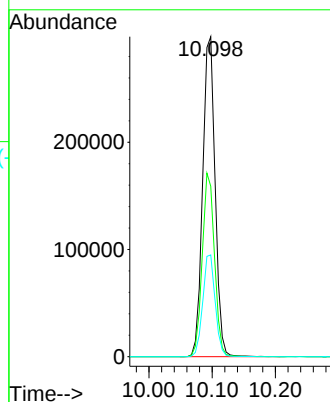
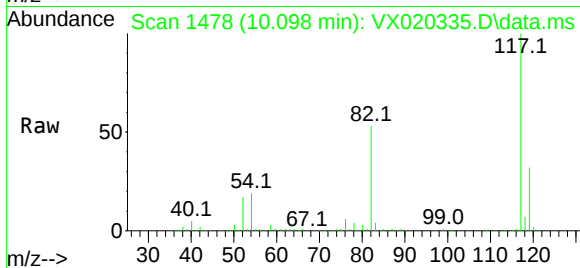




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

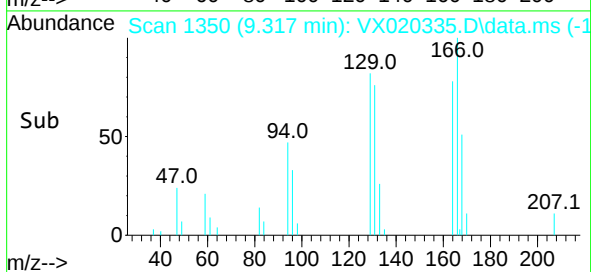
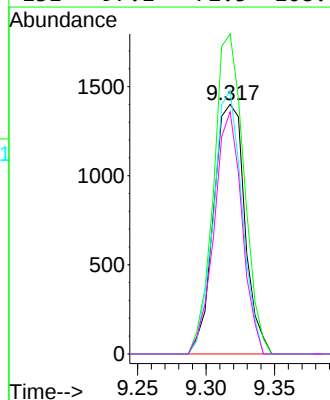
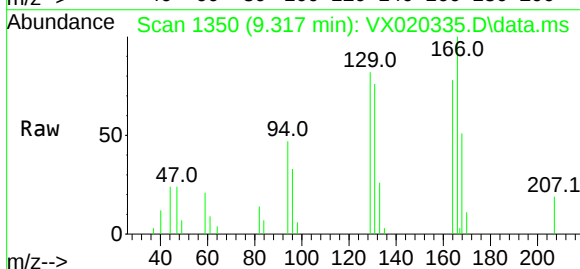
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

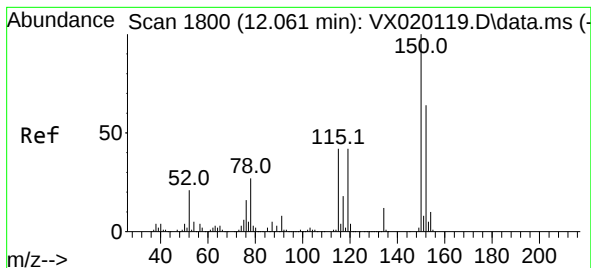
Tgt Ion:117 Resp: 409224
Ion Ratio Lower Upper
117 100
82 53.2 47.4 71.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 0.72 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

Tgt Ion:164 Resp: 2212
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.2
129 105.6 70.8 106.2
131 97.1 72.5 108.7

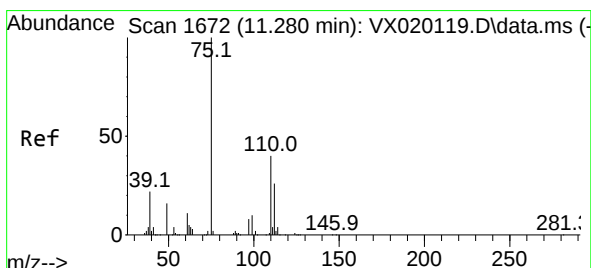
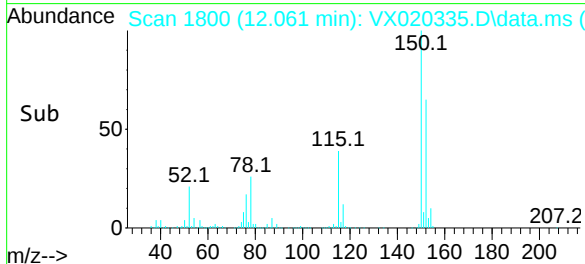
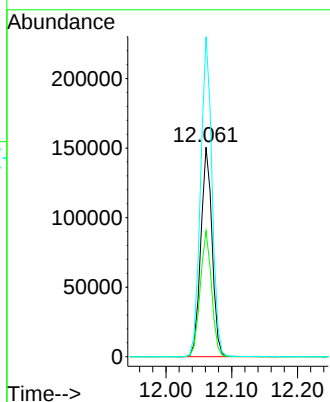
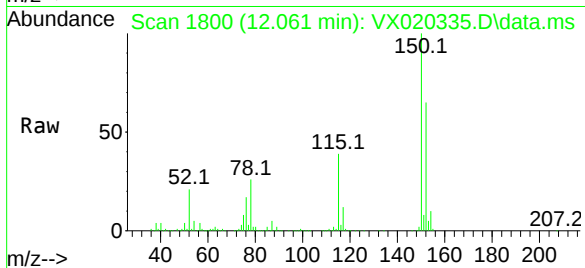




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

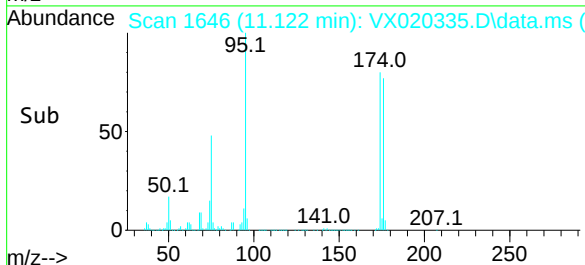
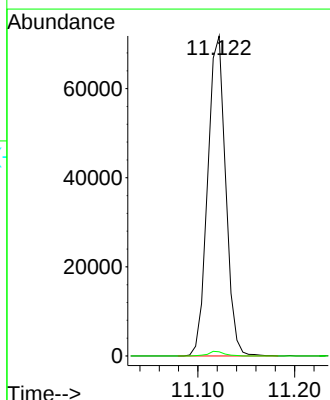
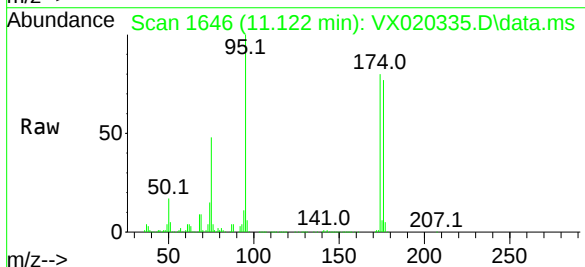
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20201211

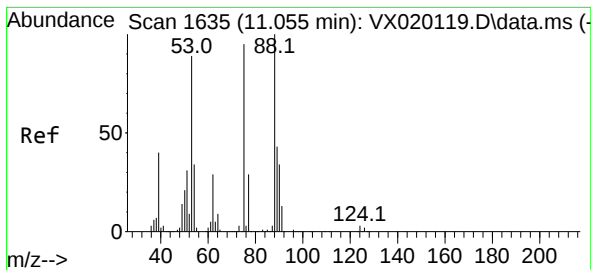
Tgt Ion:152 Resp: 179377
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 154.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 20.93 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020335.D
Acq: 23 Dec 2020 13:57

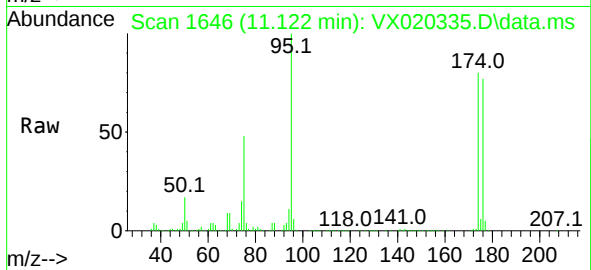
Tgt Ion: 75 Resp: 92489
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.10 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020335.D
 Acq: 23 Dec 2020 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20201211



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

