

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020334.D
 Acq On : 23 Dec 2020 13:34
 Operator : JC/MD
 Sample : L5124-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20201211

Quant Time: Dec 24 00:16:10 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)

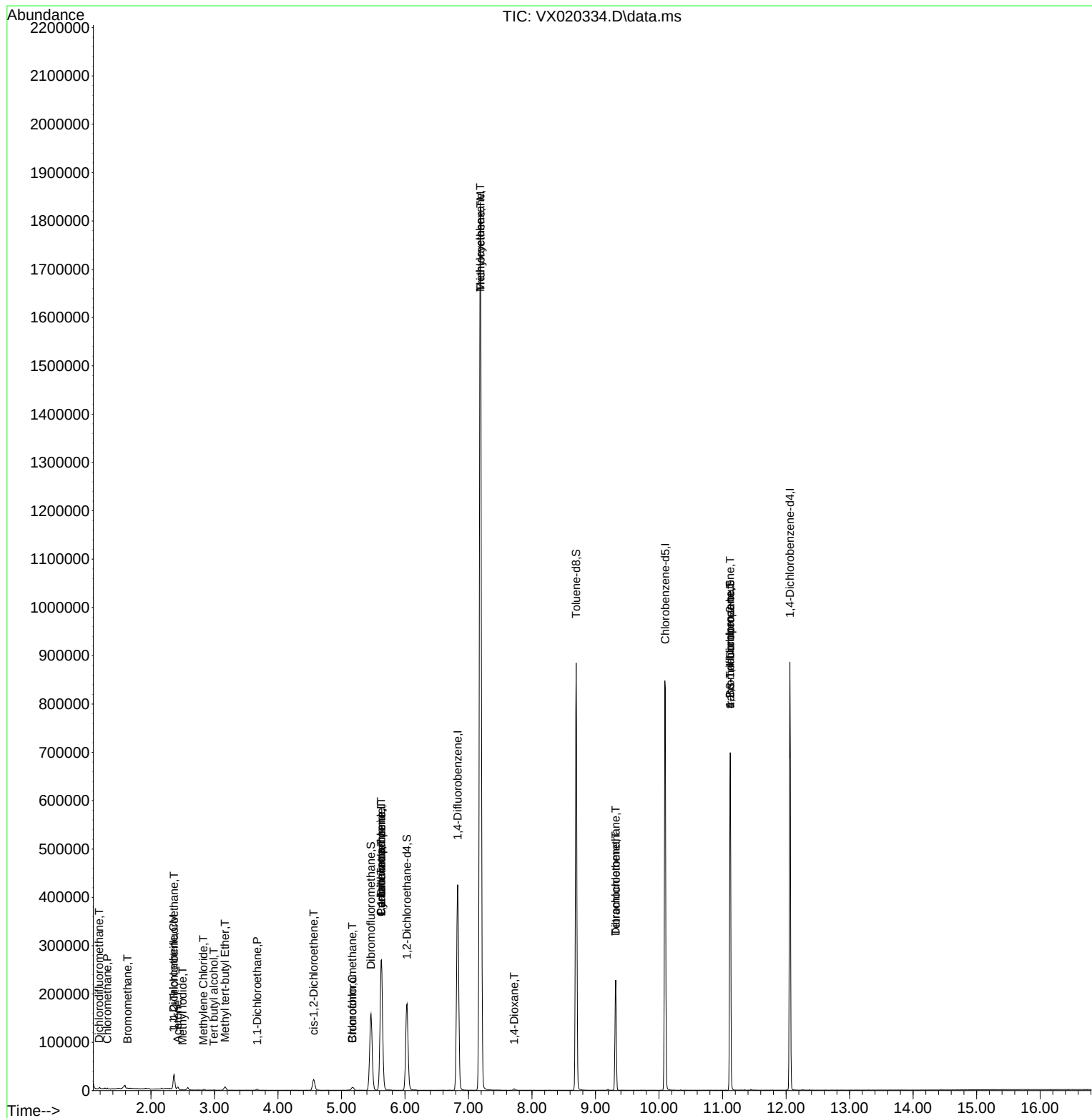
Internal Standards						
1) Pentafluorobenzene	5.629	168	254043	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	434410	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	399202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	179315	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	169949	49.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.82%		
35) Dibromofluoromethane	5.464	113	138033	49.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.34%		
50) Toluene-d8	8.695	98	526693	49.24	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.48%		
62) 4-Bromofluorobenzene	11.122	95	192109	46.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.84%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	649	0.24	ug/l	90
3) Chloromethane	1.313	50	961	0.30	ug/l	93
5) Bromomethane	1.630	94	645	0.58	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.361	101	10434	4.11	ug/l	99
10) Methyl Iodide	2.495	142	490	3.42	ug/l #	89
11) Tert butyl alcohol	2.989	59	384	0.50	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	2219	0.86	ug/l	94
16) Acetone	2.416	43	5132	3.30	ug/l	98
19) Methyl tert-butyl Ether	3.166	73	7430	0.76	ug/l	99
20) Methylene Chloride	2.825	84	858	0.25	ug/l #	87
24) 1,1-Dichloroethane	3.672	63	2414	0.44	ug/l #	92
27) cis-1,2-Dichloroethene	4.562	96	14512	4.08	ug/l	90
28) Bromochloromethane	5.172	49	609	0.25	ug/l #	9
30) Chloroform	5.172	83	7820	1.39	ug/l	97
31) Cyclohexane	5.623	56	5174	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20057	4.67	ug/l #	48
38) Carbon Tetrachloride	5.623	117	26000	6.37	ug/l #	16
39) Methylcyclohexane	7.184	83	8533	1.72	ug/l #	1
44) Trichloroethene	7.190	130	719381	208.24	ug/l	100
49) 1,4-Dioxane	7.720	88	2222	27.50	ug/l #	97
60) Dibromochloromethane	9.317	129	42676	12.79	ug/l #	11
64) Tetrachloroethene	9.317	164	42019	13.97	ug/l	89
76) 1,2,3-Trichloropropane	11.122	75	93214	21.10	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	93214	62.61	ug/l #	12

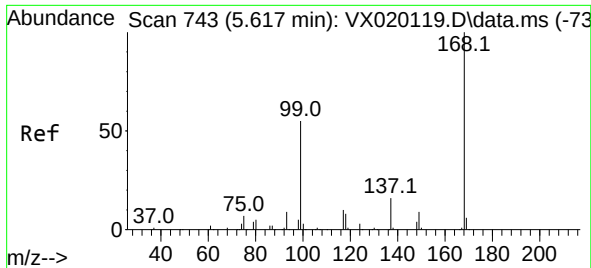
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

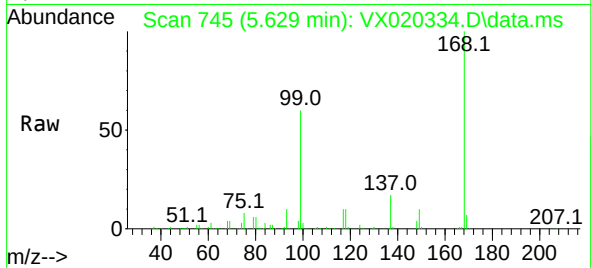
Quant Time: Dec 24 00:16:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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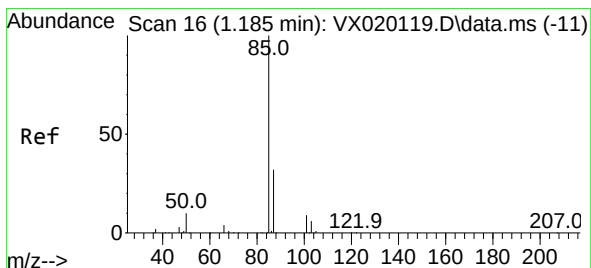
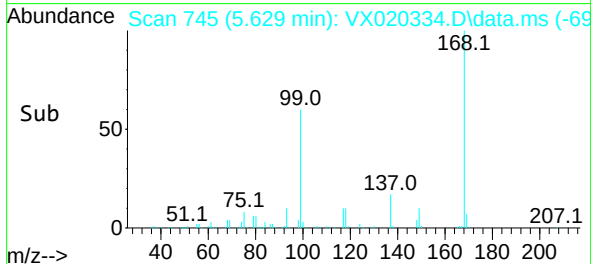
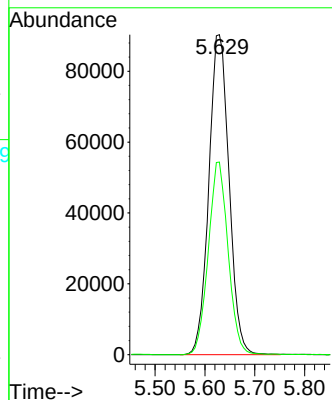


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

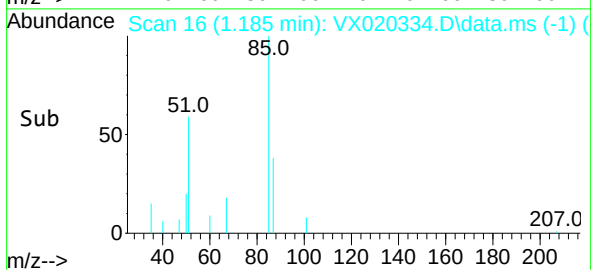
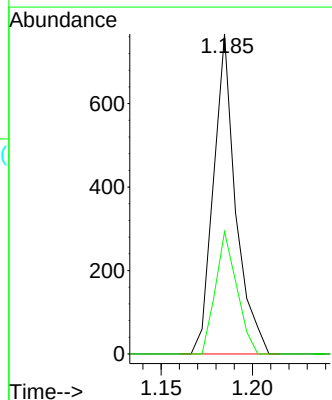
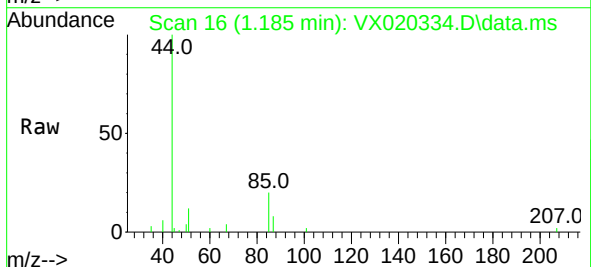


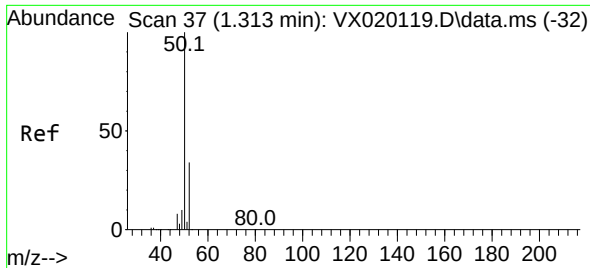
Tgt Ion:168 Resp: 254043
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.24 ug/l
RT: 1.185 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 85 Resp: 649
Ion Ratio Lower Upper
85 100
87 38.2 16.4 49.2

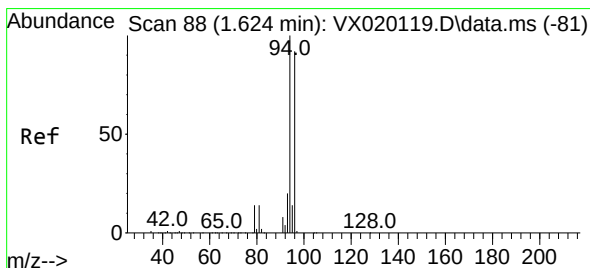
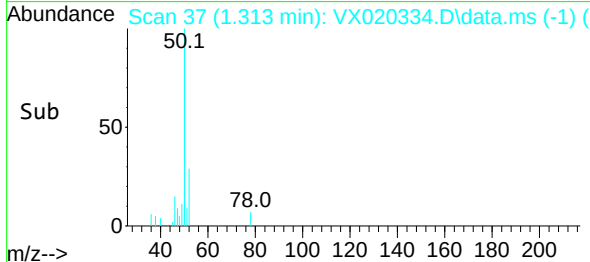
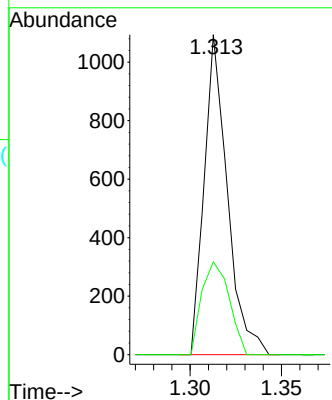
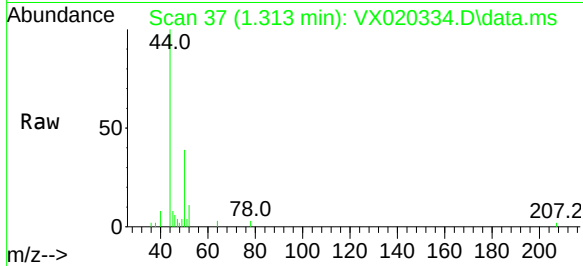




#3
Chloromethane
Concen: 0.30 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

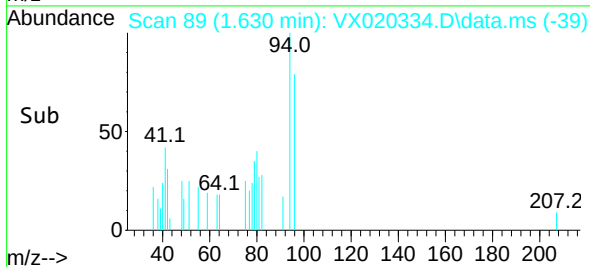
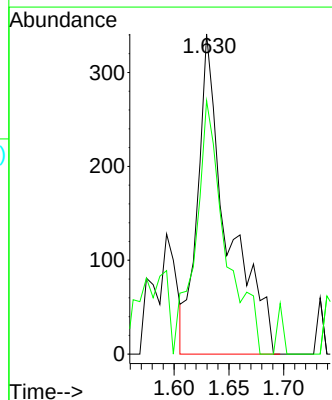
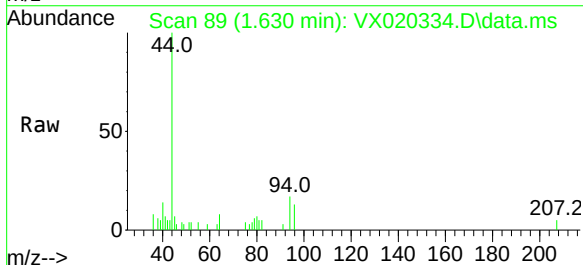
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

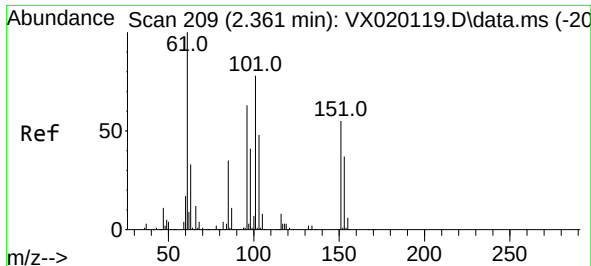
Tgt Ion: 50 Resp: 961
Ion Ratio Lower Upper
50 100
52 29.0 26.4 39.6



#5
Bromomethane
Concen: 0.58 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 63.3 76.4 114.6#

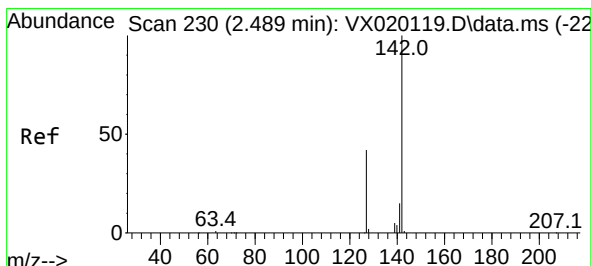
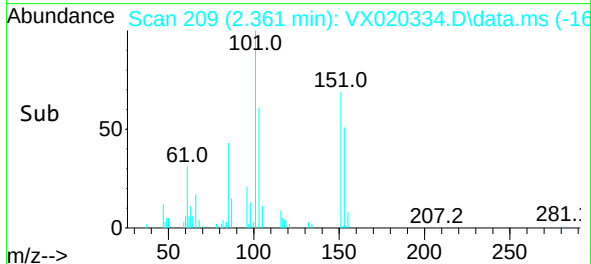
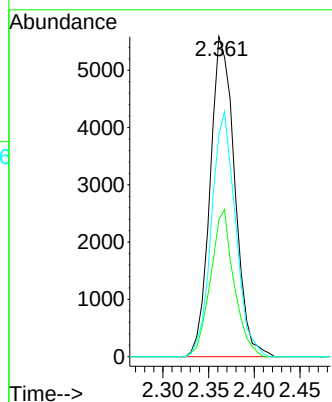
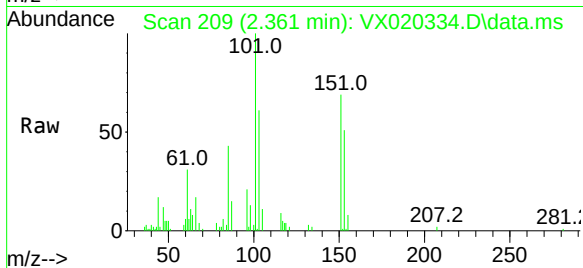




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.11 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

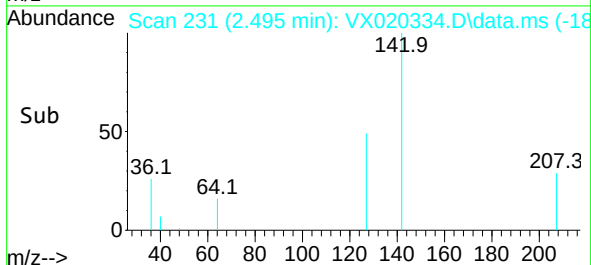
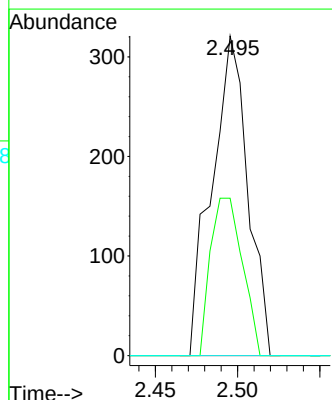
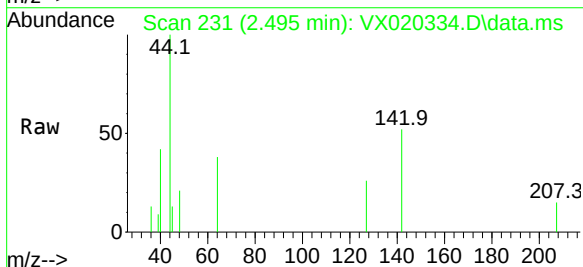
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

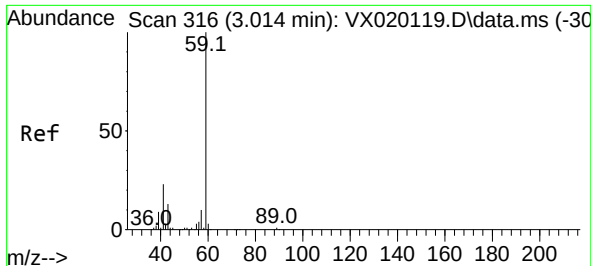
Tgt Ion:	101	Resp:	10434
Ion	Ratio	Lower	Upper
101	100		
85	43.9	34.9	52.3
151	75.1	61.4	92.2



#10
Methyl Iodide
Concen: 3.42 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion:	142	Resp:	490
Ion	Ratio	Lower	Upper
142	100		
127	43.5	33.3	49.9
141	0.0	11.4	17.0#



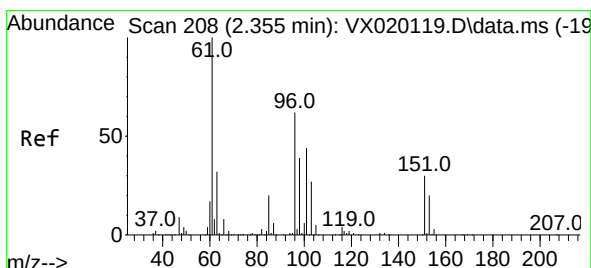
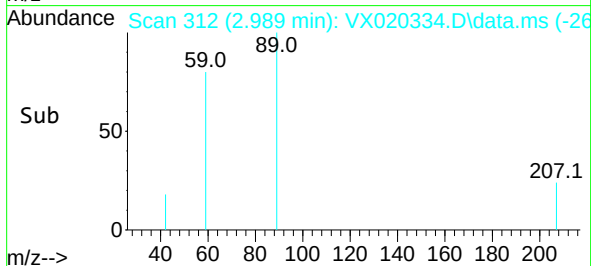
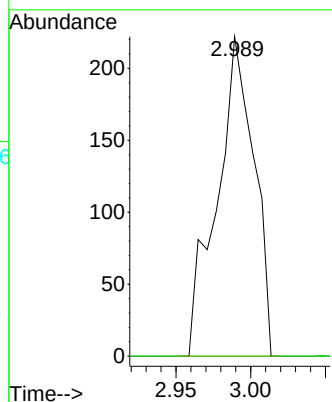
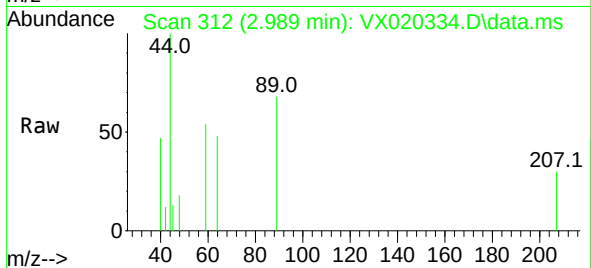


#11

Tert butyl alcohol
Concen: 0.50 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

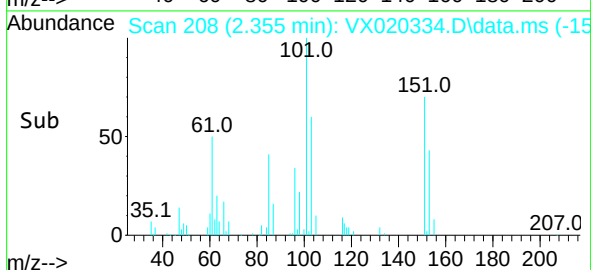
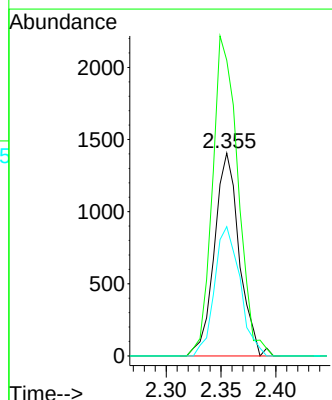
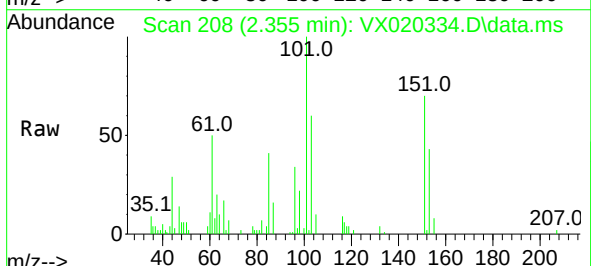
Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

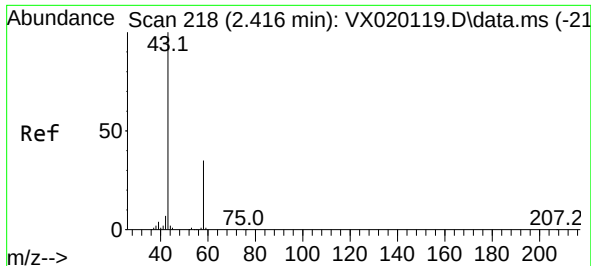


#12

1,1-Dichloroethene
Concen: 0.86 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 96 Resp: 2219
Ion Ratio Lower Upper
96 100
61 145.7 124.6 187.0
98 63.7 50.6 76.0

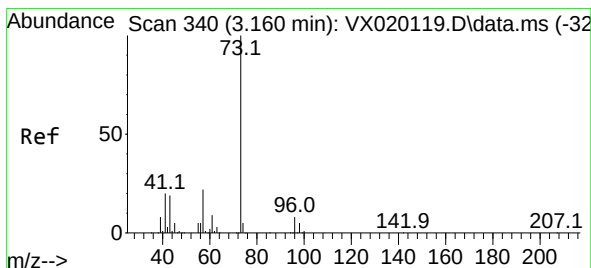
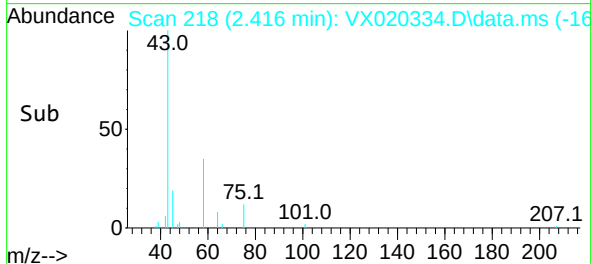
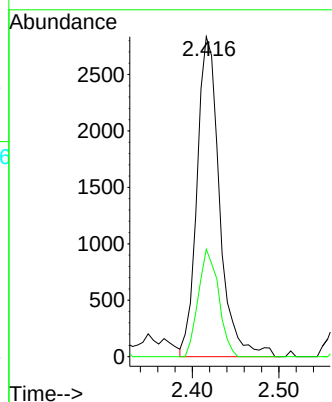
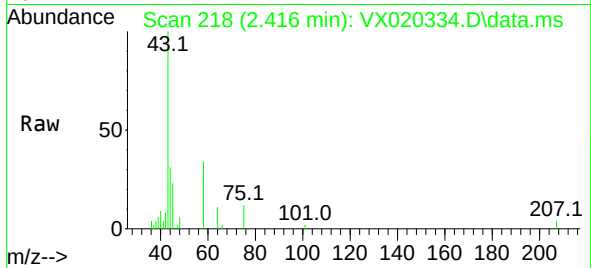




#16
Acetone
Concen: 3.30 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

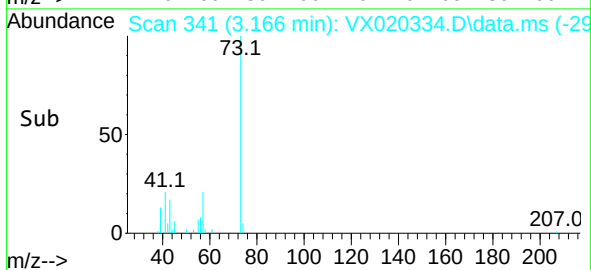
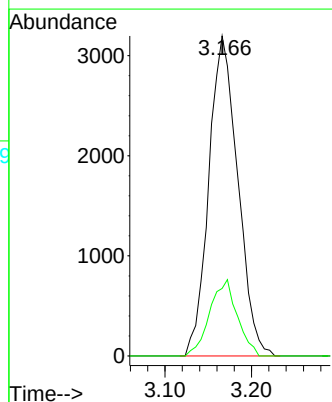
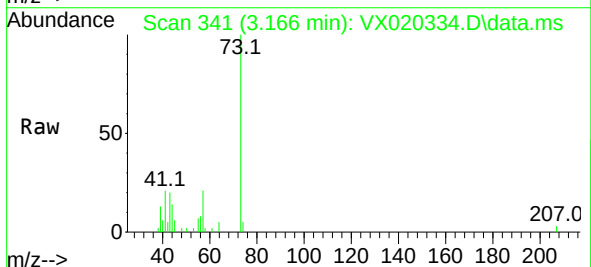
Instrument :
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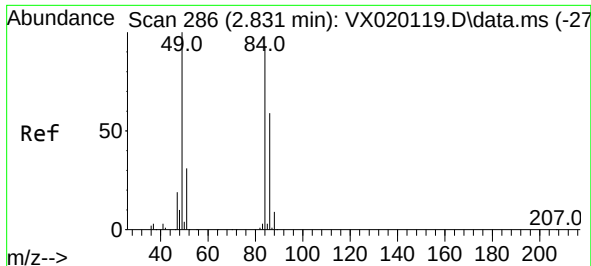
Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
58 33.6 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 0.76 ug/l
RT: 3.166 min Scan# 341
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

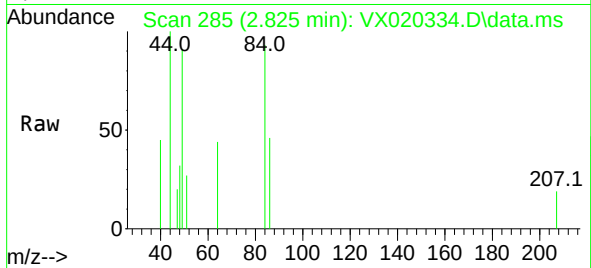
Tgt Ion: 73 Resp: 7430
Ion Ratio Lower Upper
73 100
57 21.1 17.1 25.7



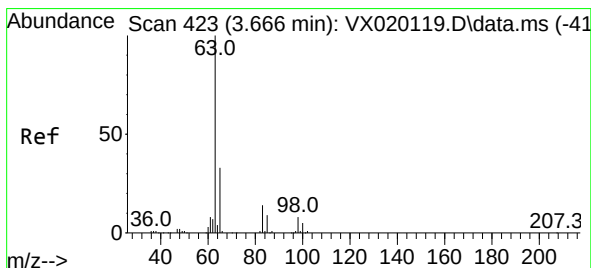
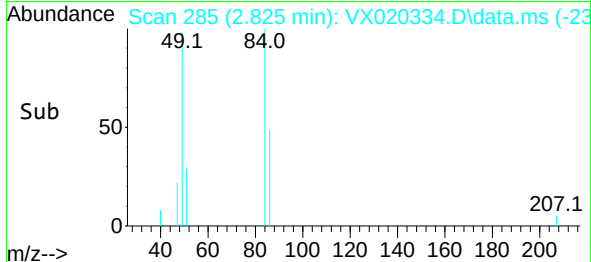
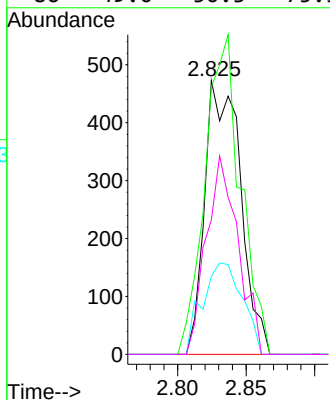


#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.825 min Scan# 285
Delta R.T. -0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Instrument :
MSVOA_X
ClientSampleId :
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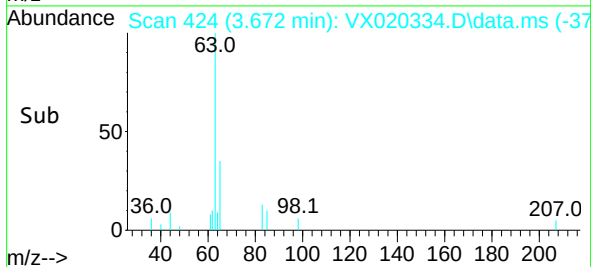
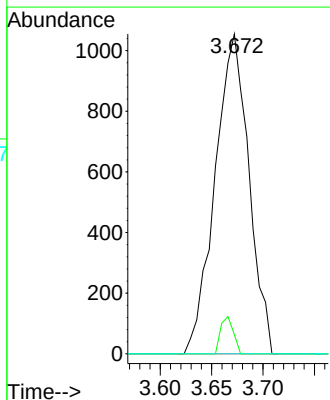
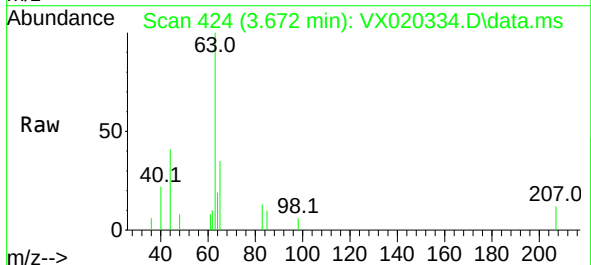


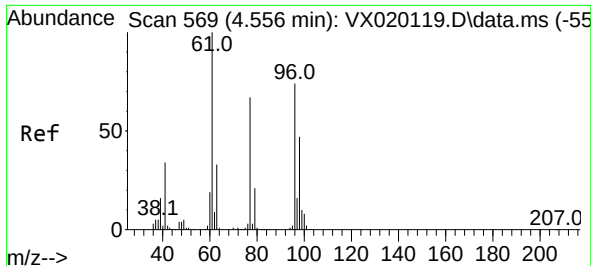
Tgt Ion:	84	Resp:	858
Ion	Ratio	Lower	Upper
84	100		
49	97.7	88.6	132.8
51	28.5	27.0	40.6
86	49.0	50.3	75.5#



#24
1,1-Dichloroethane
Concen: 0.44 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

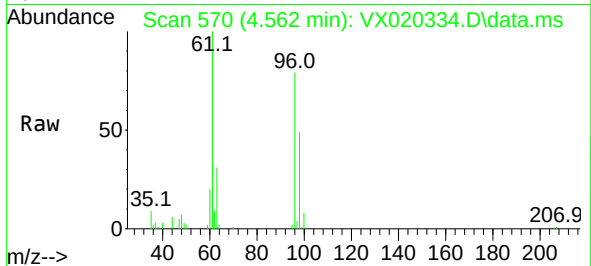
Tgt Ion:	63	Resp:	2414
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	0.0	2.5	7.5#



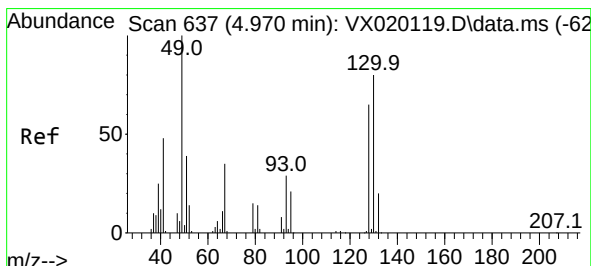
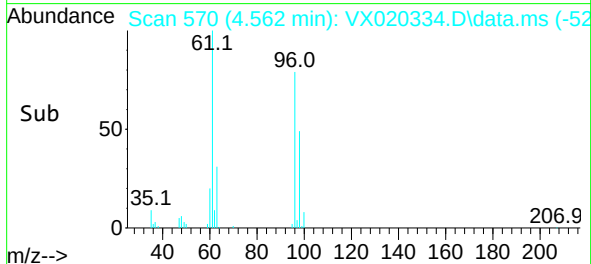
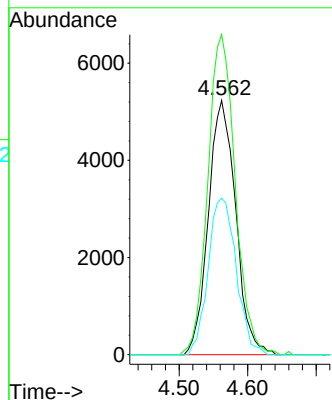


#27
cis-1,2-Dichloroethene
Concen: 4.08 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

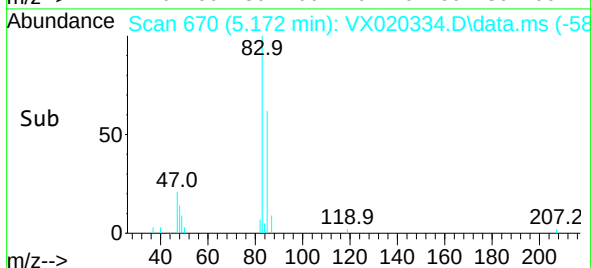
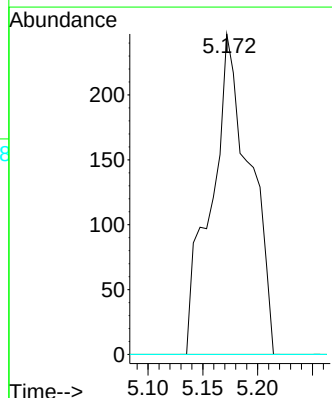
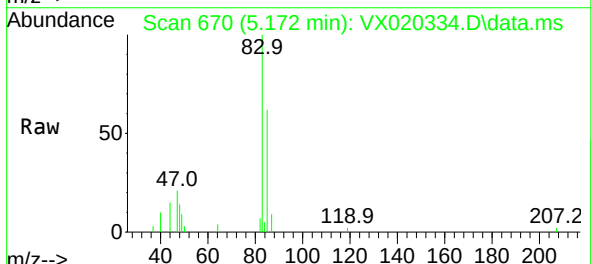


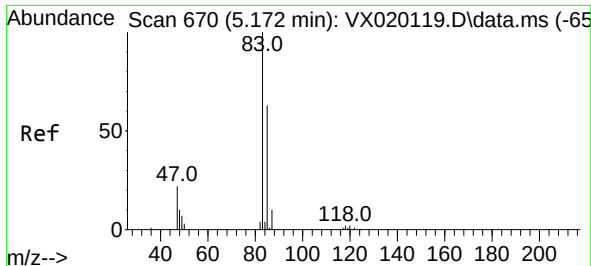
Tgt Ion: 96	Resp: 14512
Ion Ratio	Lower Upper
96	100
61	126.0 0.0 285.6
98	63.2 0.0 129.6



#28
Bromochloromethane
Concen: 0.25 ug/l
RT: 5.172 min Scan# 670
Delta R.T. 0.202 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 49	Resp: 609
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.0
130	0.0 68.2 102.2#

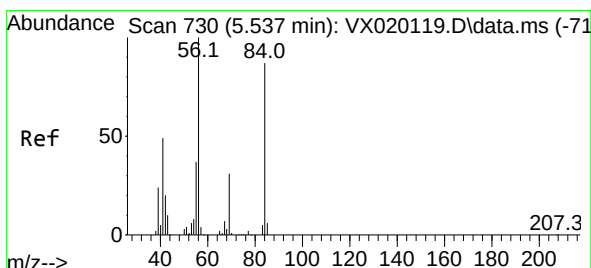
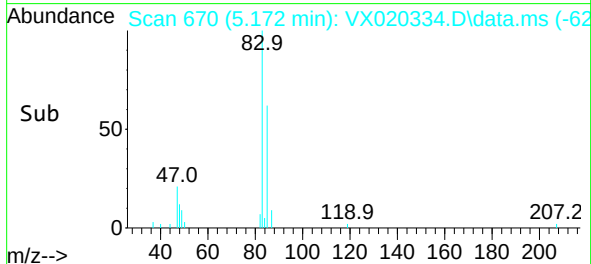
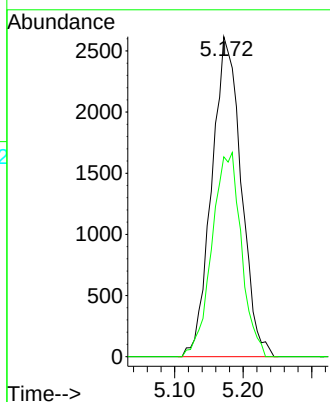
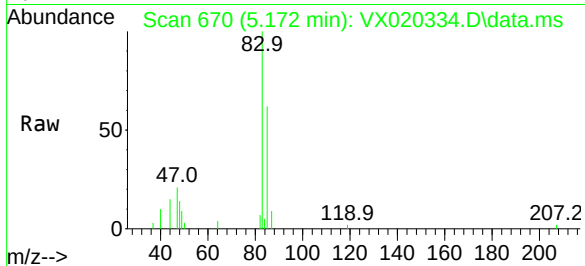




#30
Chloroform
Concen: 1.39 ug/l
RT: 5.172 min Scan# 670
Delta R.T. -0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

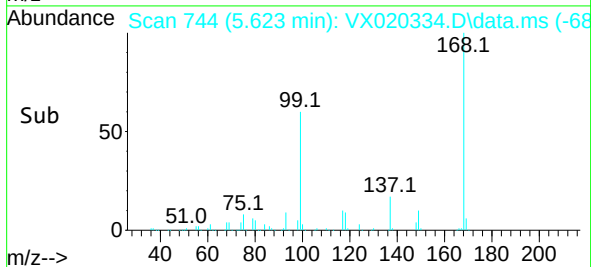
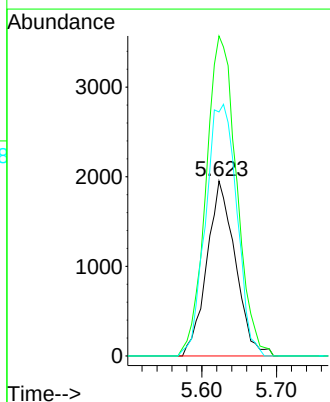
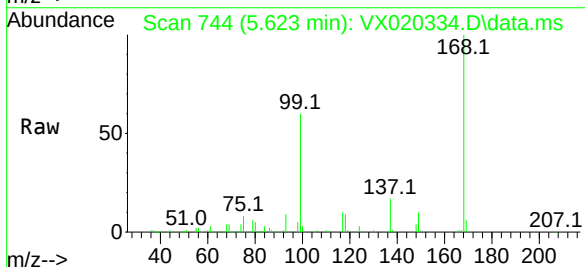
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

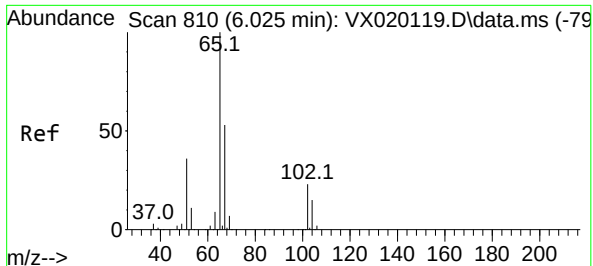
Tgt Ion: 83 Resp: 7820
Ion Ratio Lower Upper
83 100
85 62.4 52.0 78.0



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 56 Resp: 5174
Ion Ratio Lower Upper
56 100
69 182.9 25.3 37.9#
84 139.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.91 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020334.D

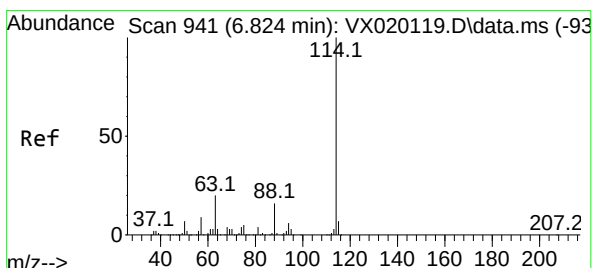
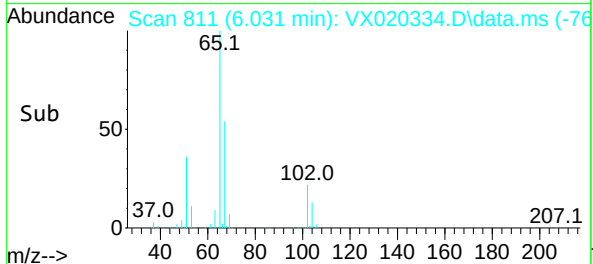
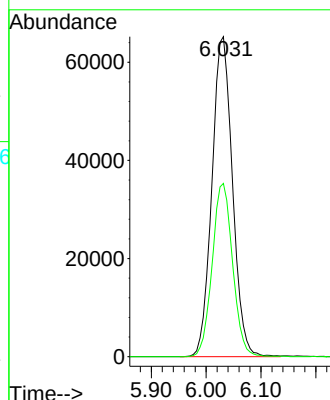
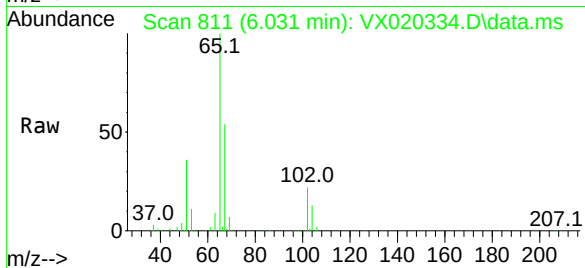
Acq: 23 Dec 2020 13:34

Tgt Ion: 65 Resp: 169949

Ion Ratio Lower Upper

65 100

67 53.7 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: VX020334.D

Acq: 23 Dec 2020 13:34

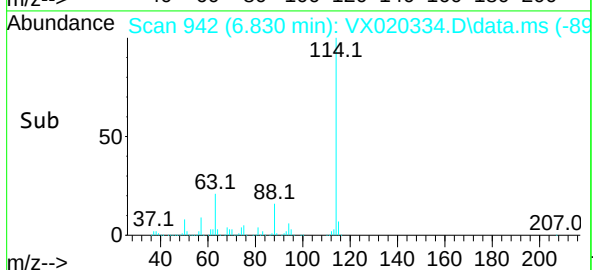
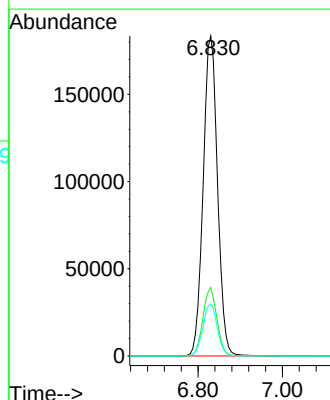
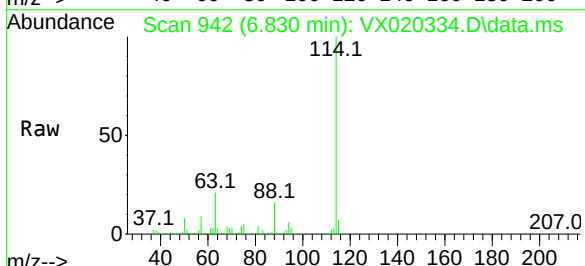
Tgt Ion: 114 Resp: 434410

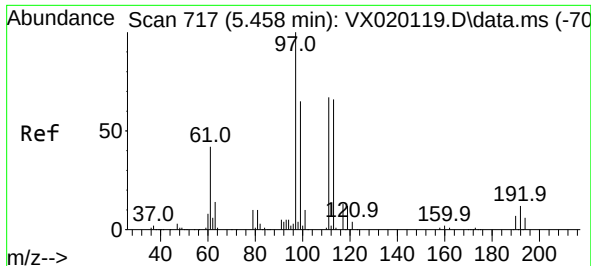
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 16.2 0.0 32.8

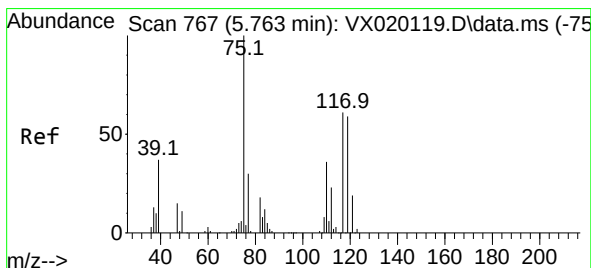
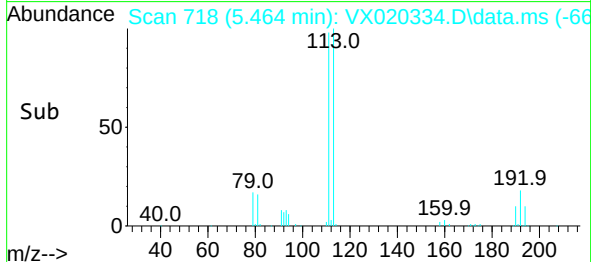
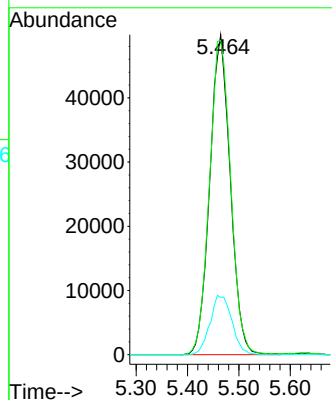
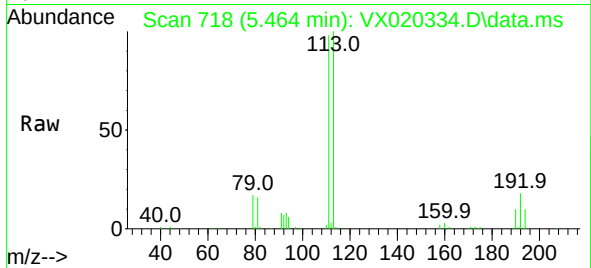




#35
Dibromofluoromethane
Concen: 49.67 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

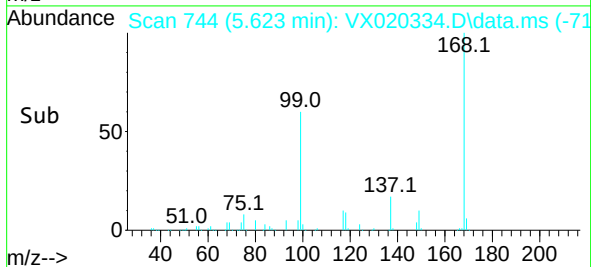
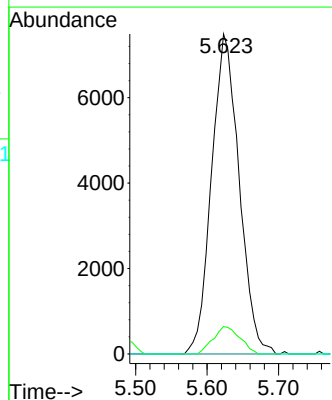
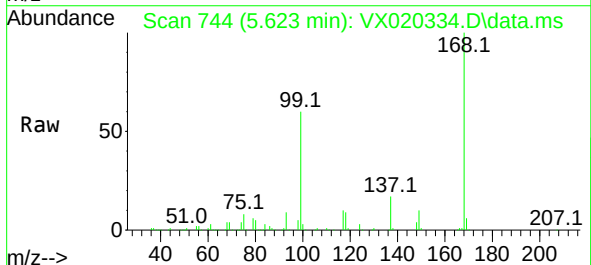
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

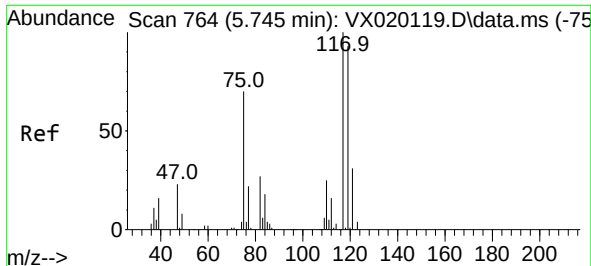
Tgt Ion:113 Resp: 138033
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

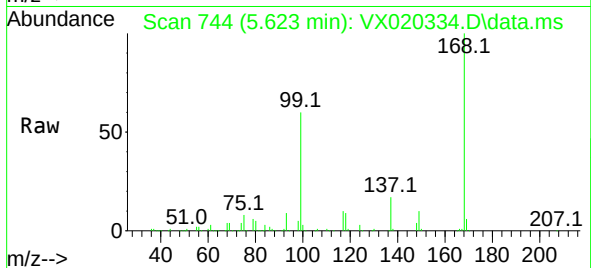
Tgt Ion: 75 Resp: 20057
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#



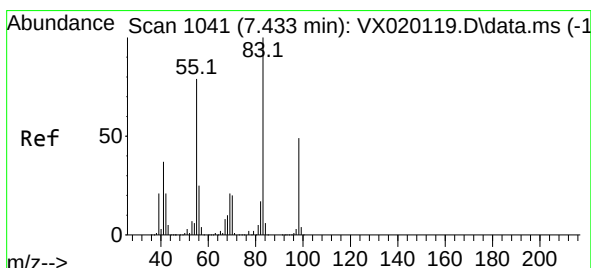
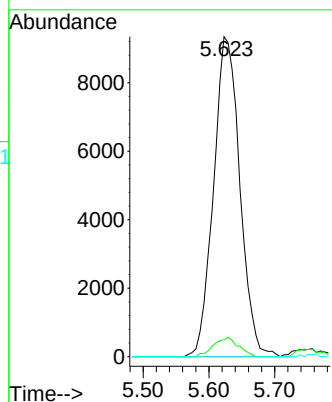
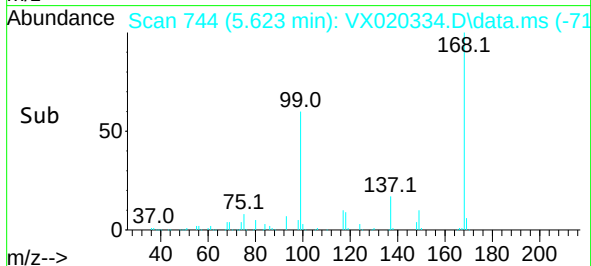


#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

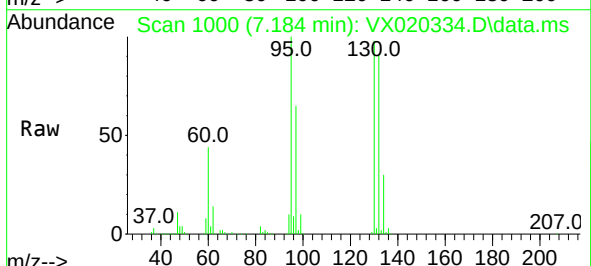
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211



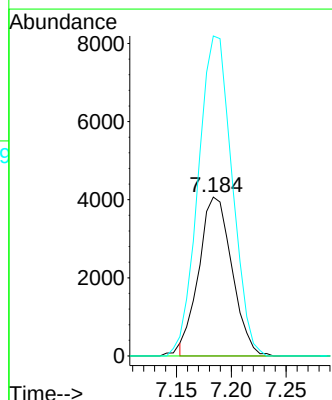
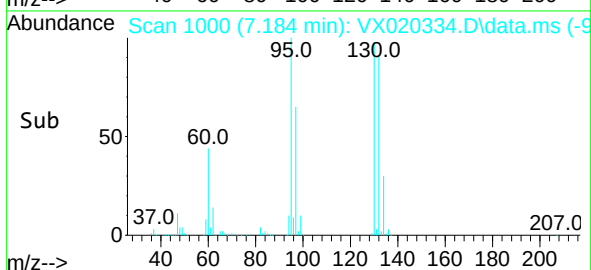
Tgt Ion:117 Resp: 26000
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#

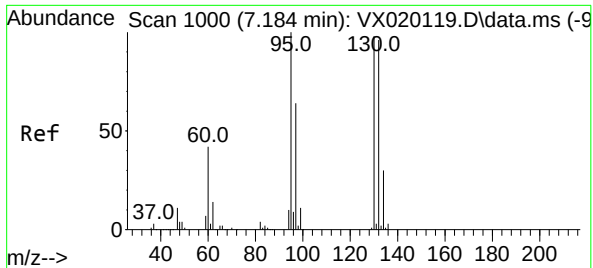


#39
Methylcyclohexane
Concen: 1.72 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.249 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34



Tgt Ion: 83 Resp: 8533
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 201.5 38.1 57.1#

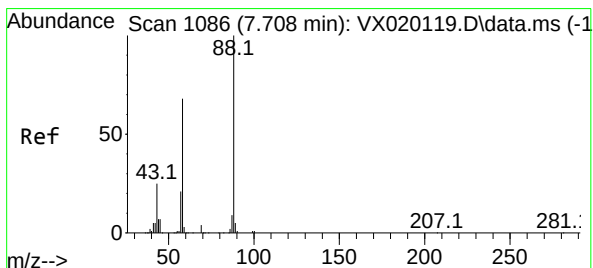
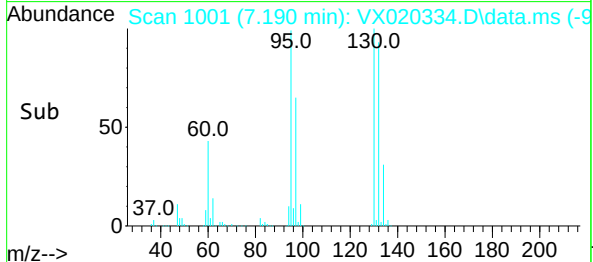
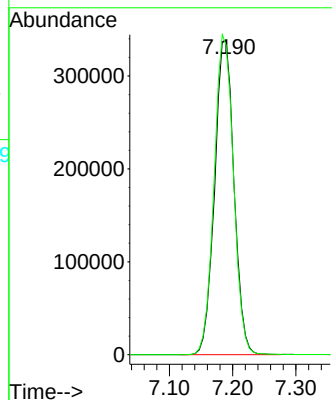
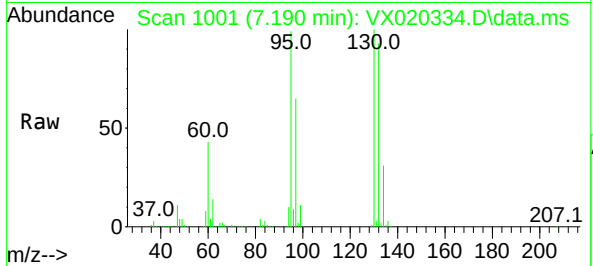




#44
Trichloroethene
Concen: 208.24 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

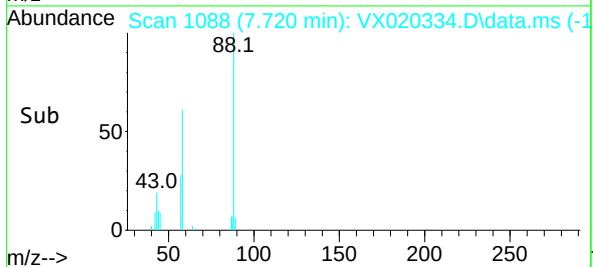
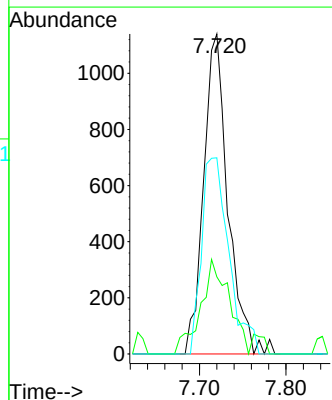
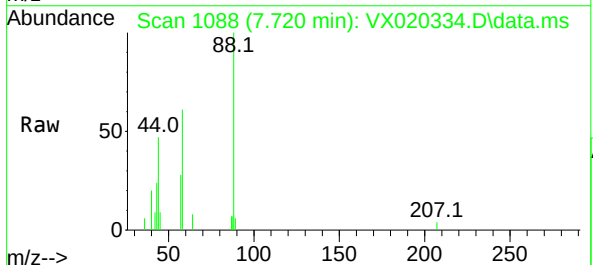
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

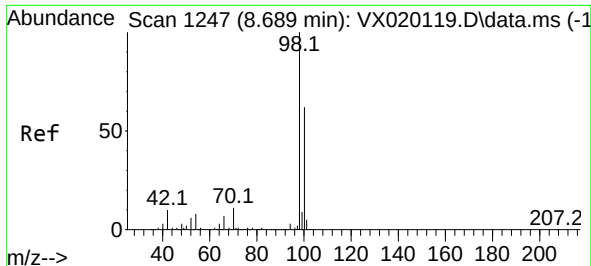
Tgt Ion:130 Resp: 719381
Ion Ratio Lower Upper
130 100
95 98.8 0.0 198.0



#49
1,4-Dioxane
Concen: 27.50 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 88 Resp: 2222
Ion Ratio Lower Upper
88 100
43 35.0 23.2 34.8#
58 68.9 55.0 82.4

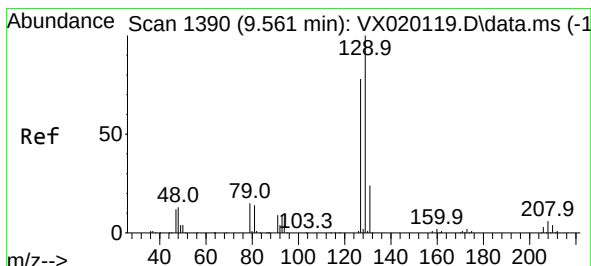
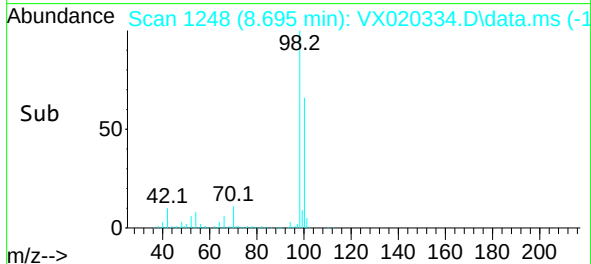
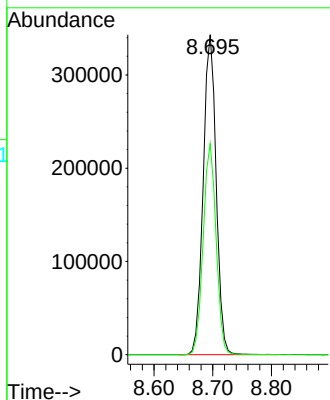
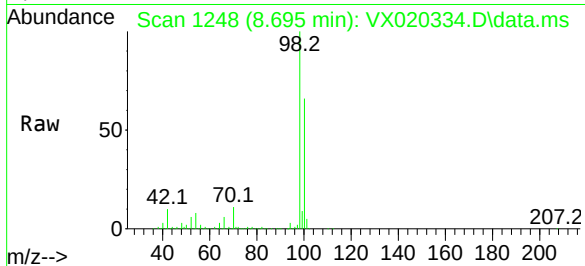




#50
Toluene-d8
Concen: 49.24 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

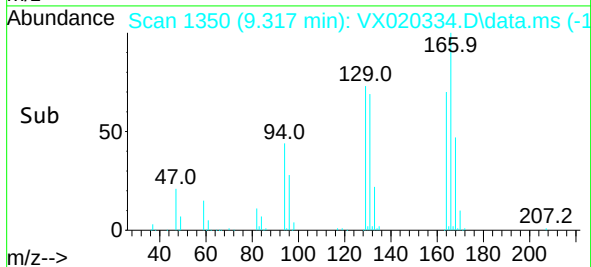
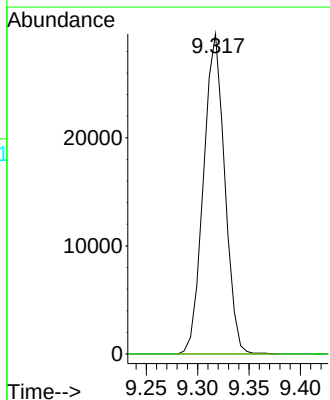
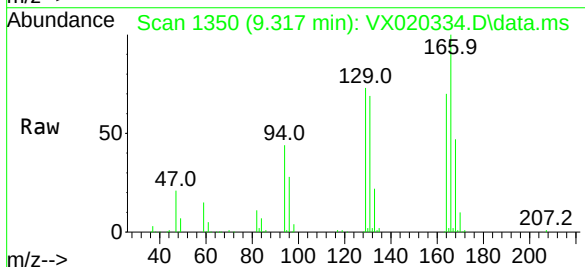
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

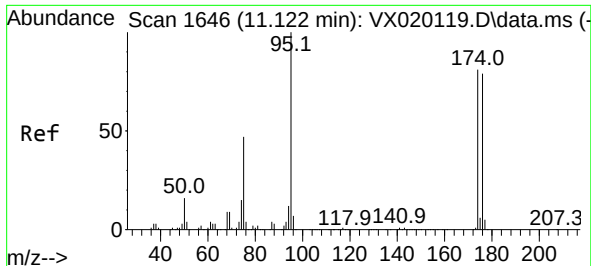
Tgt Ion: 98 Resp: 526693
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#60
Dibromochloromethane
Concen: 12.79 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 129 Resp: 42676
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

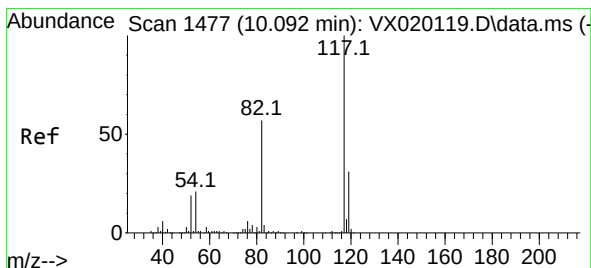
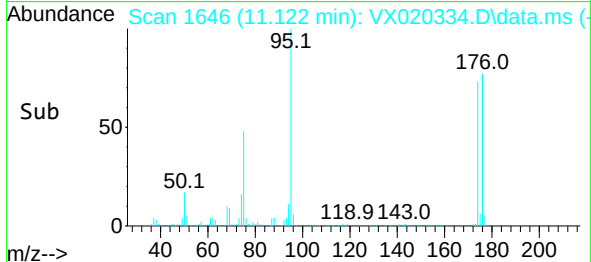
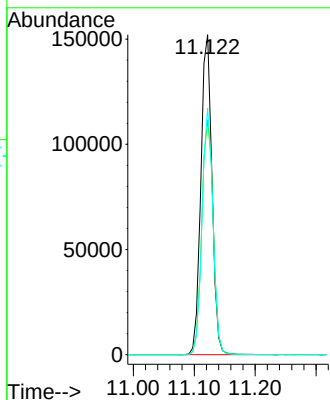
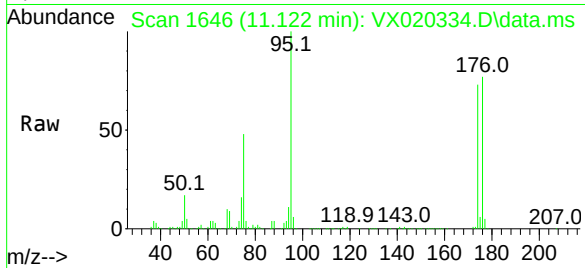




#62
4-Bromofluorobenzene
Concen: 46.92 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

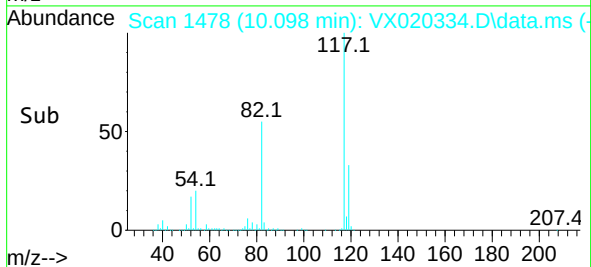
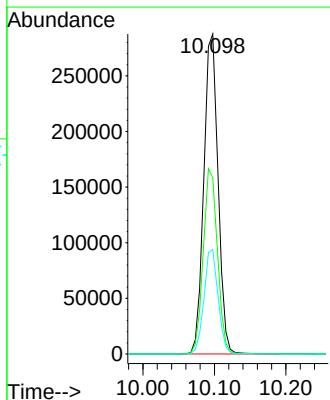
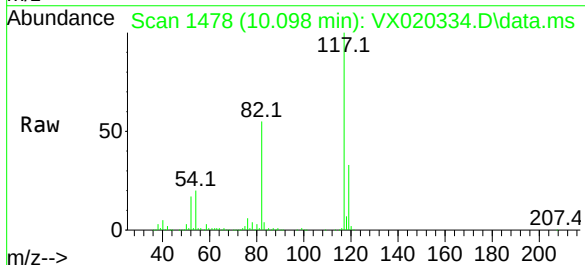
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

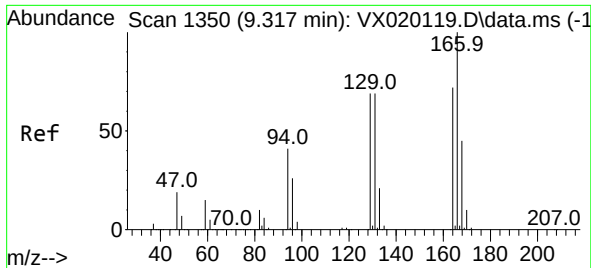
Tgt Ion: 95 Resp: 192109
Ion Ratio Lower Upper
95 100
174 76.0 0.0 154.6
176 75.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 117 Resp: 399202
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.6 26.6 39.8

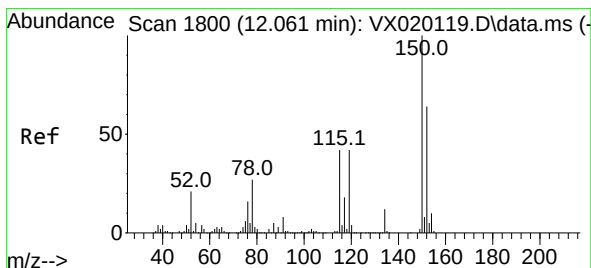
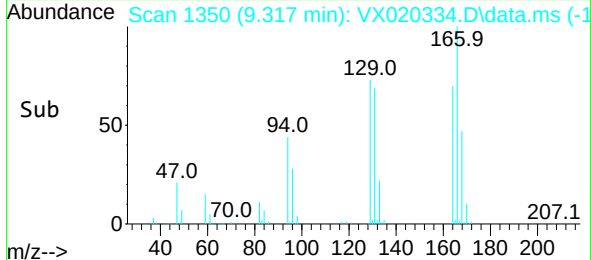
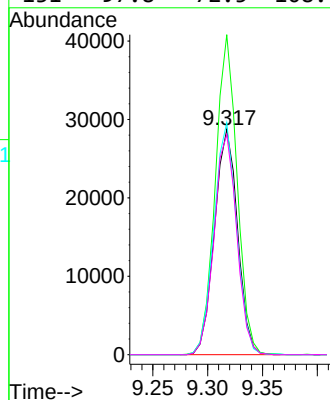
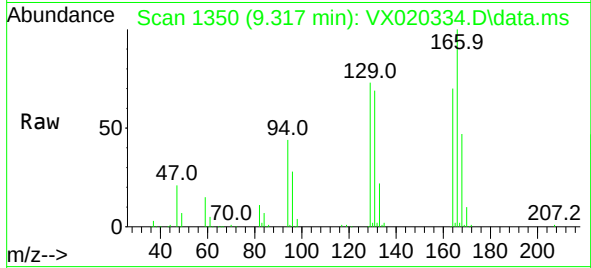




#64
Tetrachloroethene
Concen: 13.97 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

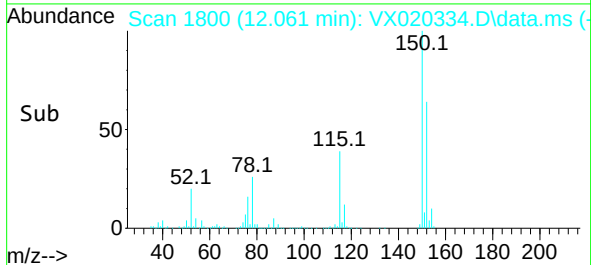
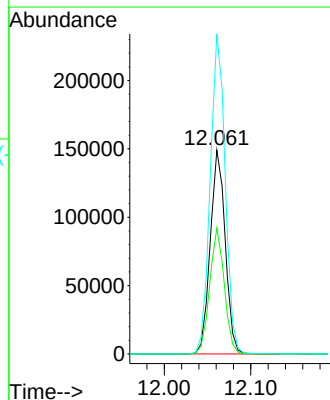
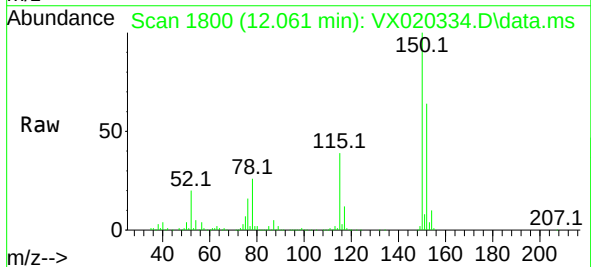
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

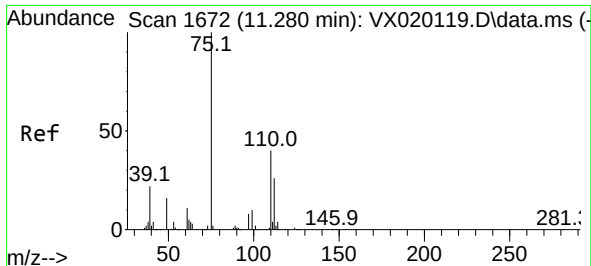
Tgt Ion:164	Resp:	42019
Ion Ratio	Lower	Upper
164	100	
166	142.1	103.4 155.2
129	103.1	70.8 106.2
131	97.8	72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion:152	Resp:	179315
Ion Ratio	Lower	Upper
152	100	
115	60.1	41.1 123.3
150	156.7	0.0 349.0

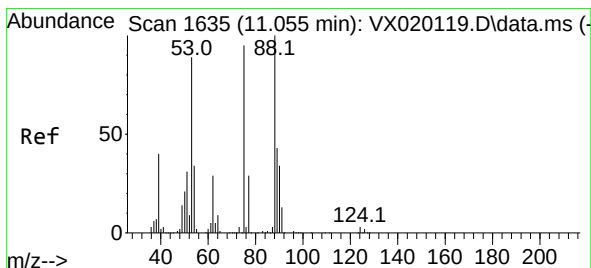
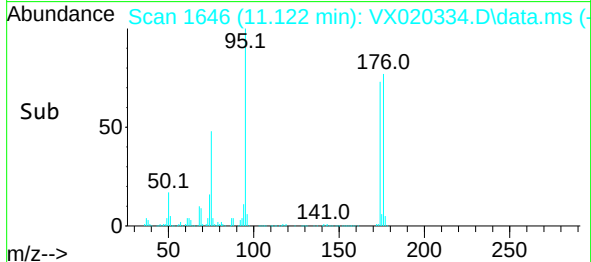
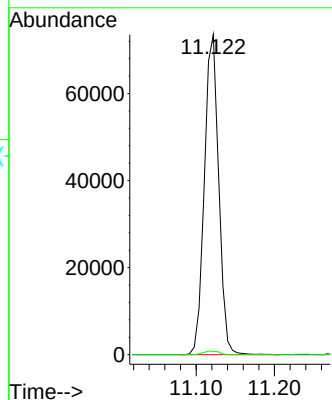
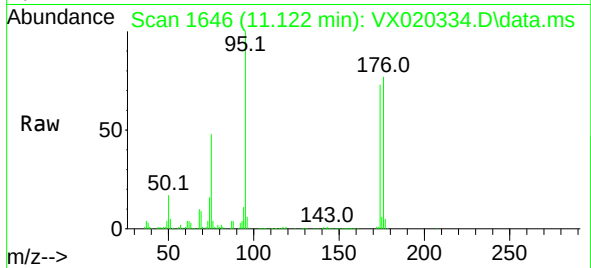




#76
1,2,3-Trichloropropane
Concen: 21.10 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20201211

Tgt Ion: 75 Resp: 93214
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.61 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020334.D
Acq: 23 Dec 2020 13:34

Tgt Ion: 75 Resp: 93214
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

