

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020336.D
 Acq On : 23 Dec 2020 14:21
 Operator : JC/MD
 Sample : L5124-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20201211

Quant Time: Dec 24 00:16:45 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	261127	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	438054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	416119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	170070	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	172655	49.33	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.66%
35) Dibromofluoromethane	5.464	113	139406	49.75	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.50%
50) Toluene-d8	8.696	98	532555	49.37	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.74%
62) 4-Bromofluorobenzene	11.122	95	190994	46.26	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.52%

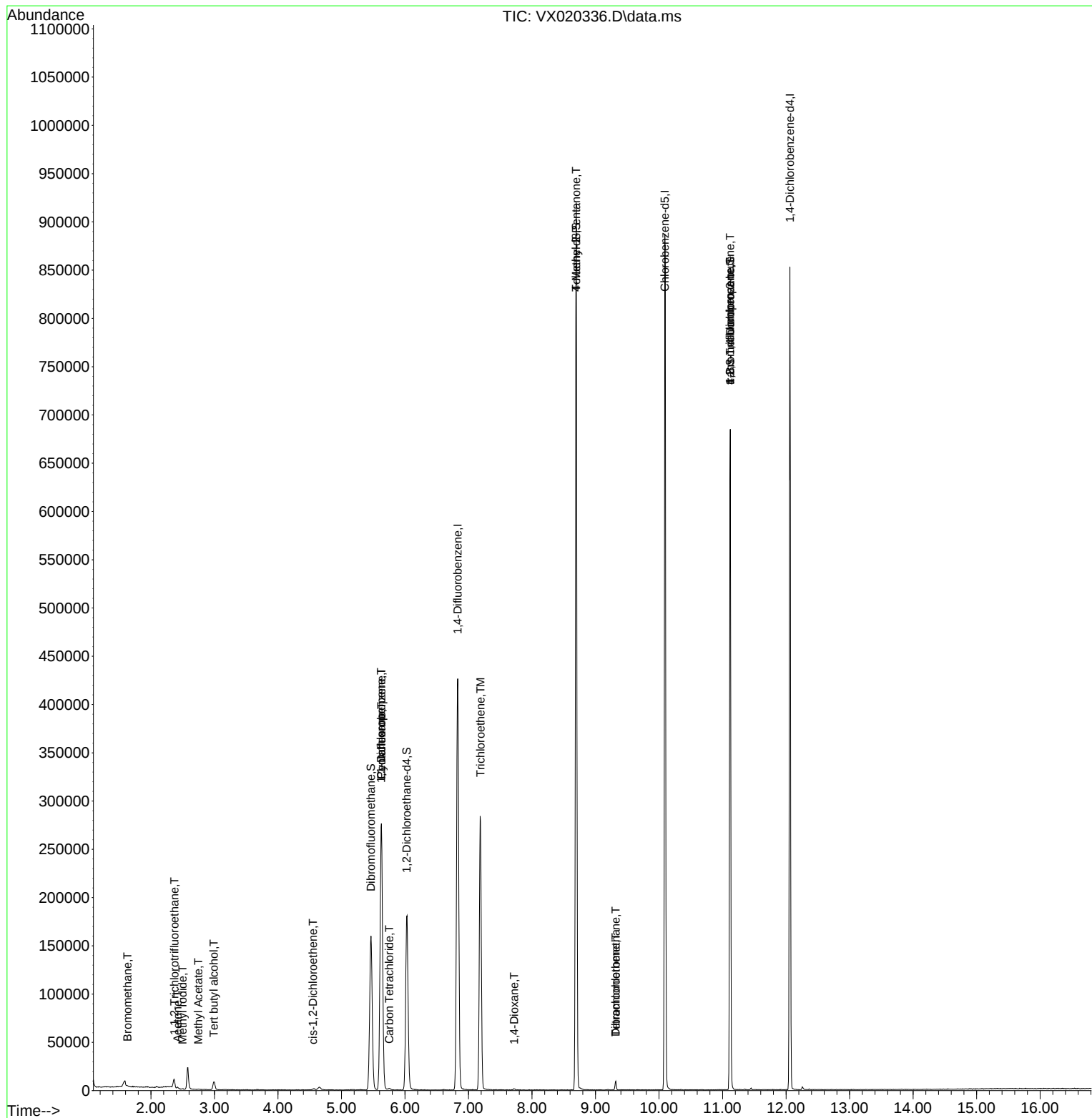
Target Compounds					Qvalue
5) Bromomethane	1.630	94	593	0.52	ug/l 92
9) 1,1,2-Trichlorotrifluo...	2.367	101	3096	1.19	ug/l 96
10) Methyl Iodide	2.495	142	357	3.38	ug/l # 88
11) Tert butyl alcohol	2.989	59	5040	6.43	ug/l # 74
16) Acetone	2.416	43	1656	1.04	ug/l 94
18) Methyl Acetate	2.745	43	870	0.24	ug/l # 59
27) cis-1,2-Dichloroethene	4.550	96	877	0.24	ug/l 89
31) Cyclohexane	5.629	56	5107	1.06	ug/l # 1
36) 1,1-Dichloropropene	5.623	75	20320	4.69	ug/l # 49
38) Carbon Tetrachloride	5.751	117	1186	0.29	ug/l # 92
44) Trichloroethene	7.190	130	113427	32.56	ug/l 98
49) 1,4-Dioxane	7.720	88	979	12.02	ug/l 89
51) 4-Methyl-2-Pentanone	8.696	43	2131	0.48	ug/l # 1
60) Dibromochloromethane	9.317	129	1509	0.45	ug/l # 11
64) Tetrachloroethene	9.317	164	1623	0.52	ug/l 96
76) 1,2,3-Trichloropropane	11.122	75	91333	21.80	ug/l # 39
81) trans-1,4-Dichloro-2-b...	11.122	75	91333	64.68	ug/l # 12

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

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MSVOA_X
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RE109D2-20201211

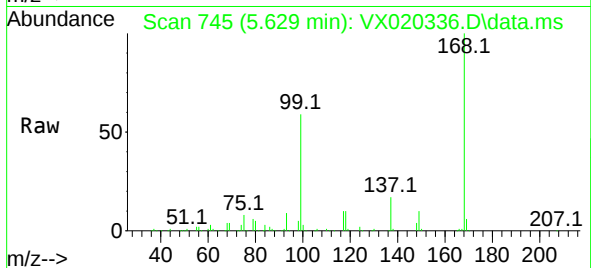
Quant Time: Dec 24 00:16:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
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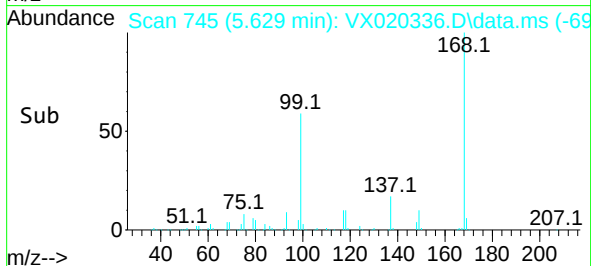
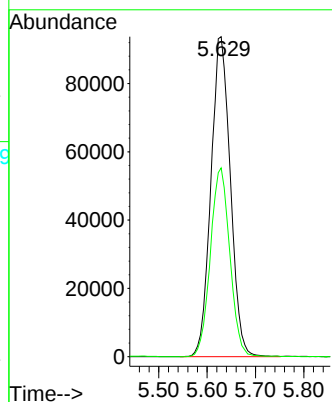


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

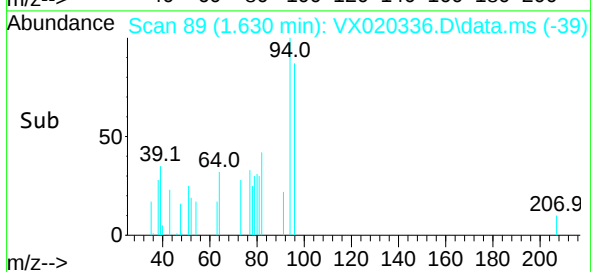
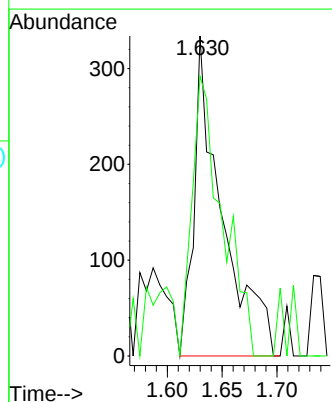
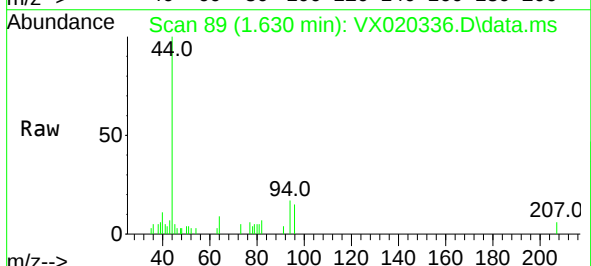


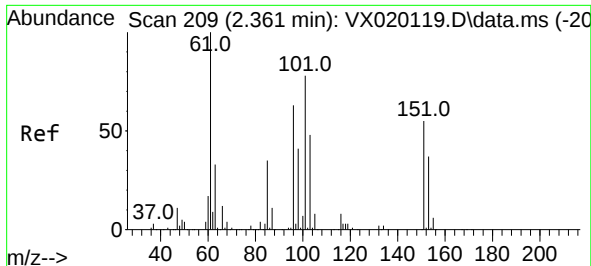
Tgt Ion:168 Resp: 261127
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#5
Bromomethane
Concen: 0.52 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 94 Resp: 593
Ion Ratio Lower Upper
94 100
96 87.4 76.4 114.6

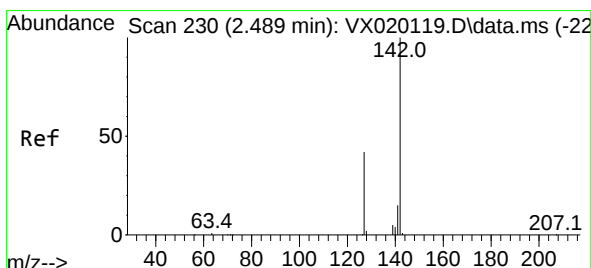
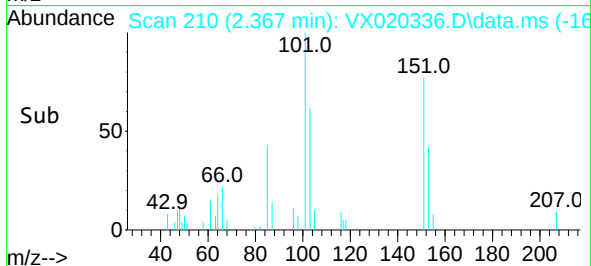
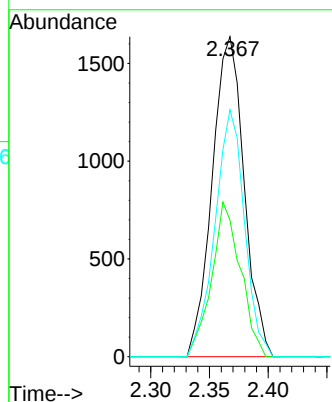
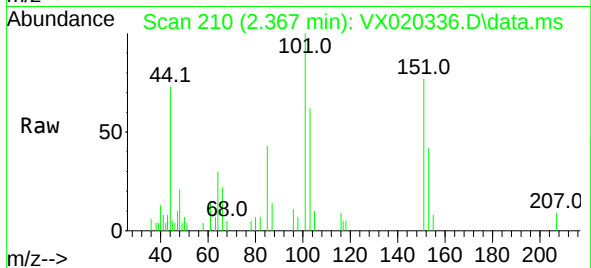




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.19 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

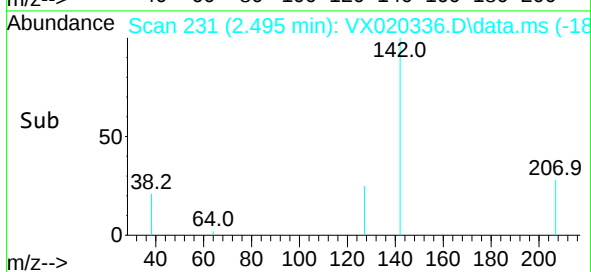
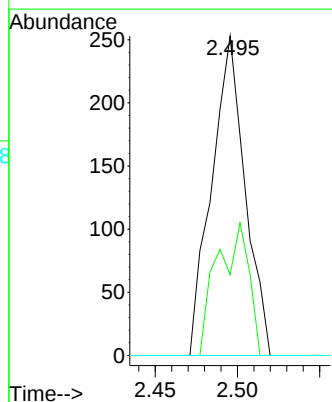
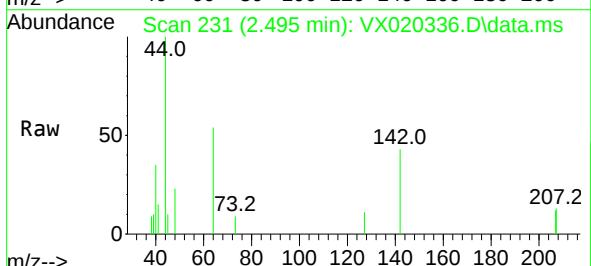
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

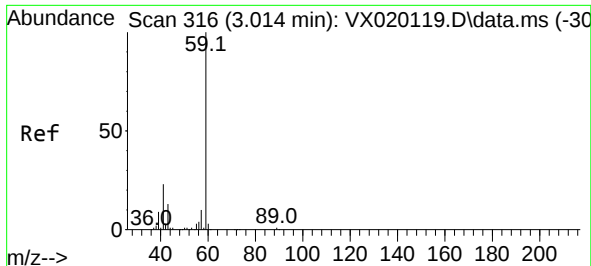
Tgt Ion:101	Resp:	3096
Ion Ratio	Lower	Upper
101	100	
85	43.7	34.9 52.3
151	71.5	61.4 92.2



#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion:142	Resp:	357
Ion Ratio	Lower	Upper
142	100	
127	39.2	33.3 49.9
141	0.0	11.4 17.0#



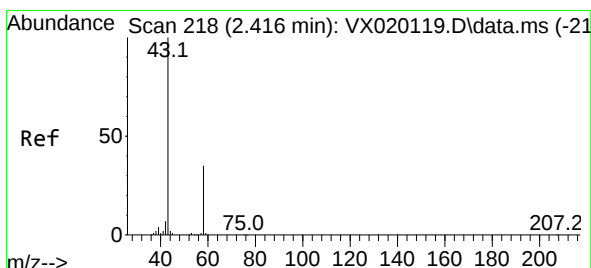
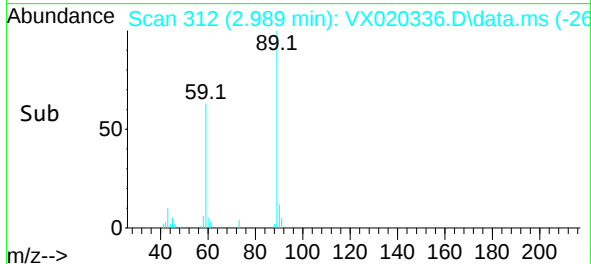
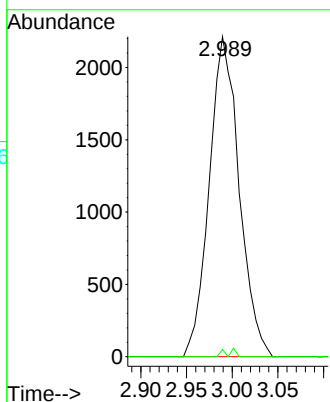
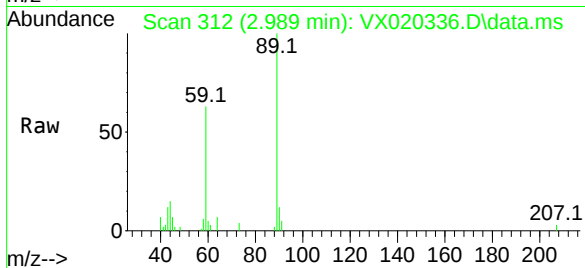


#11

Tert butyl alcohol
Concen: 6.43 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

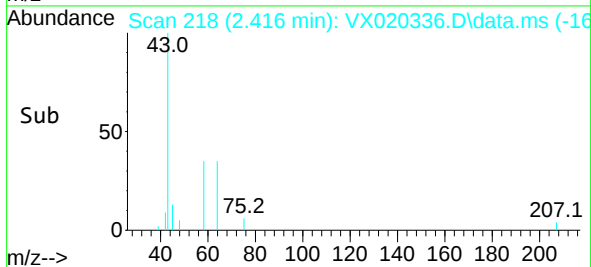
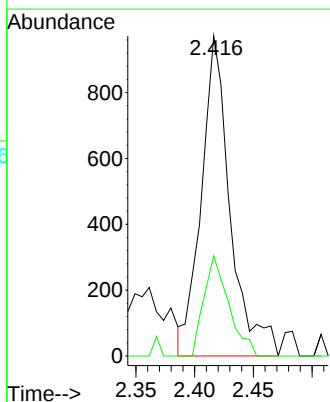
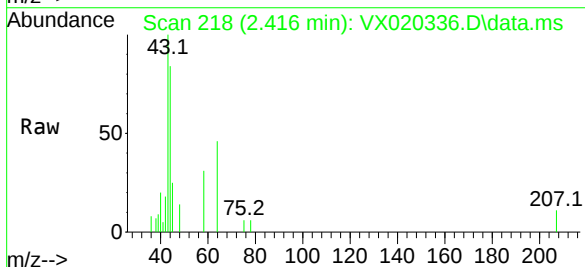
Tgt Ion: 59 Resp: 5040
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.8#

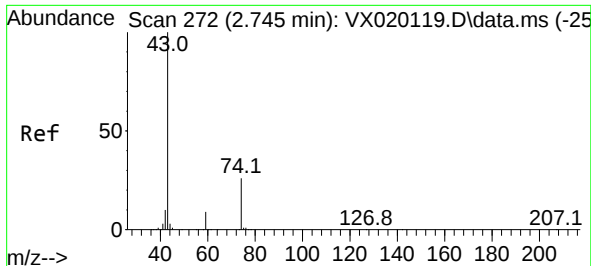


#16

Acetone
Concen: 1.04 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 31.3 27.8 41.8

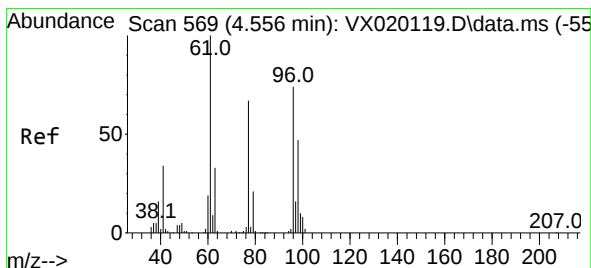
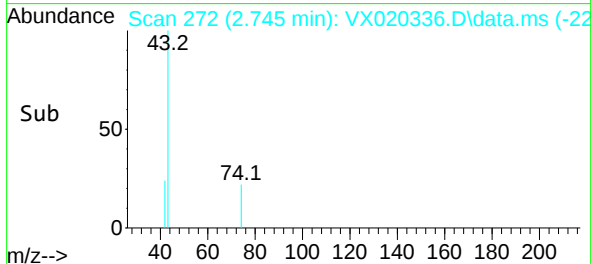
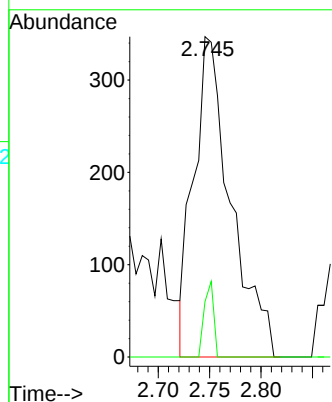
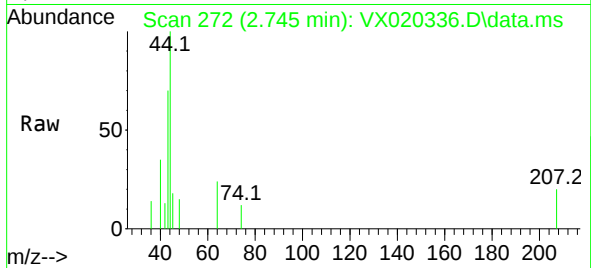




#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

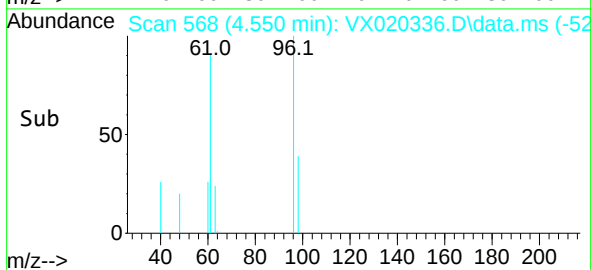
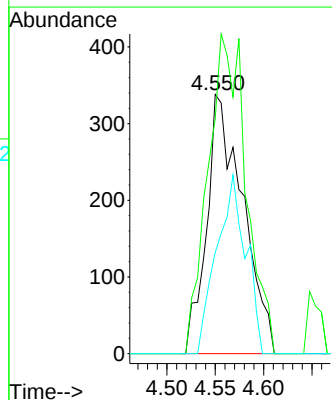
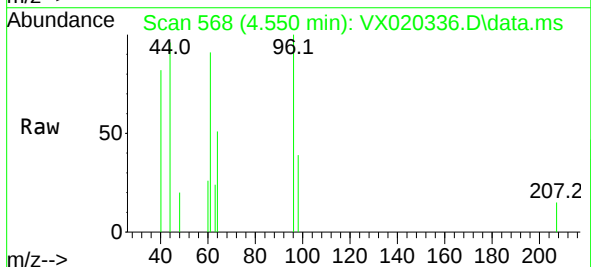
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

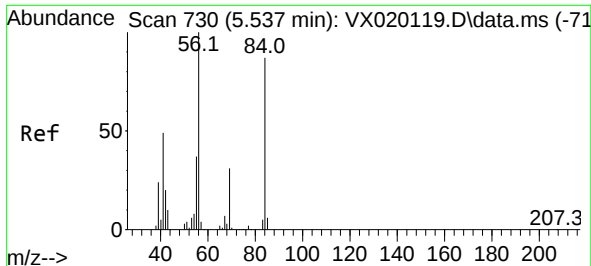
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
74 6.0 21.9 32.9#



#27
cis-1,2-Dichloroethene
Concen: 0.24 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

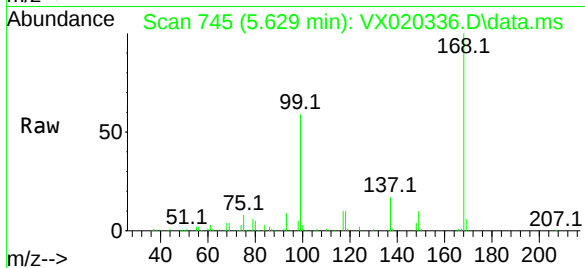
Tgt Ion: 96 Resp: 877
Ion Ratio Lower Upper
96 100
61 130.3 0.0 285.6
98 55.6 0.0 129.6



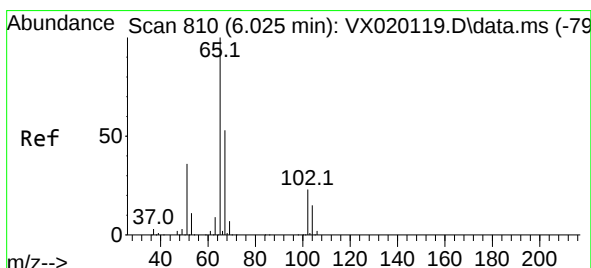
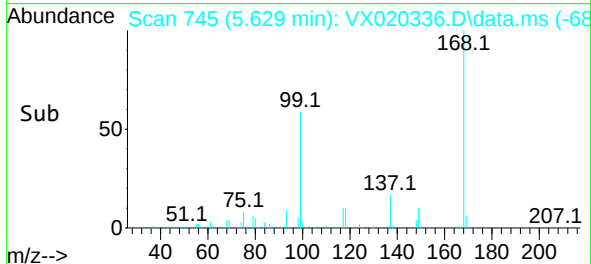
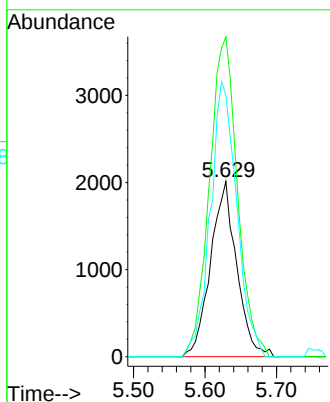


#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

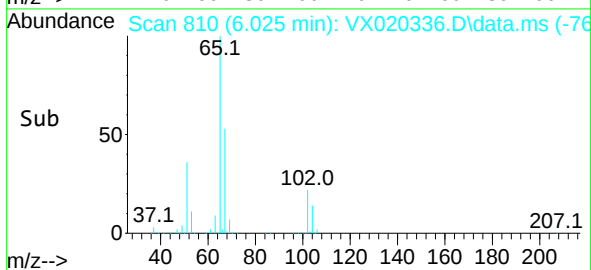
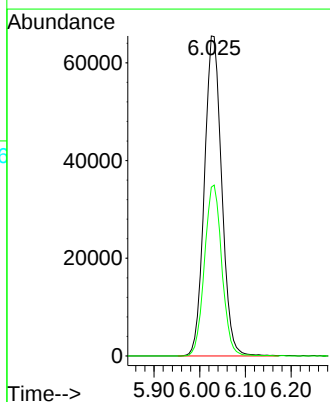
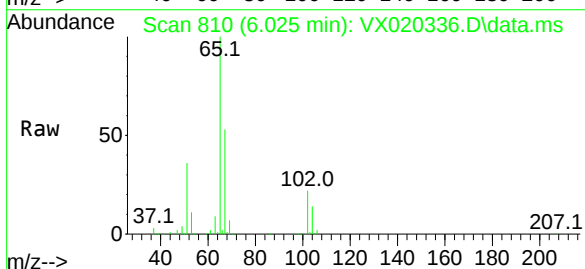


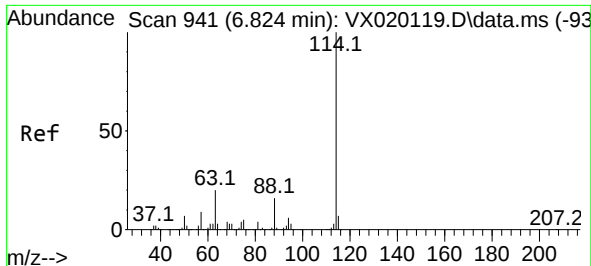
Tgt Ion: 56 Resp: 5107
Ion Ratio Lower Upper
56 100
69 182.6 25.3 37.9#
84 149.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.33 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

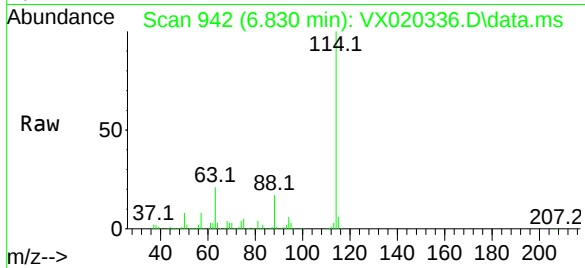
Tgt Ion: 65 Resp: 172655
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4



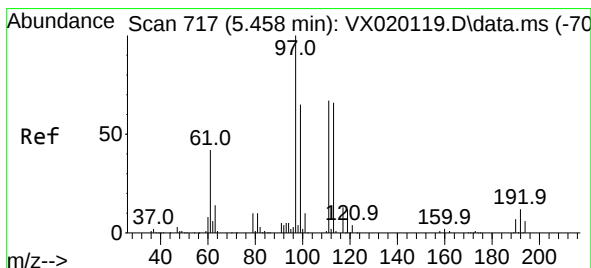
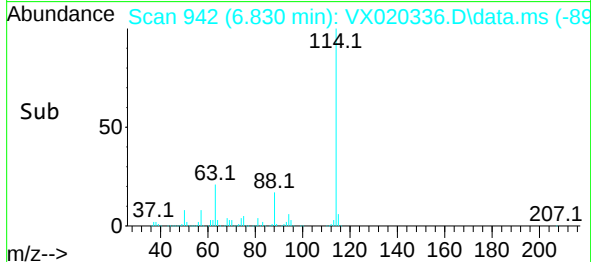
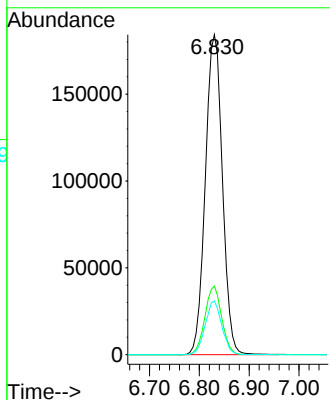


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

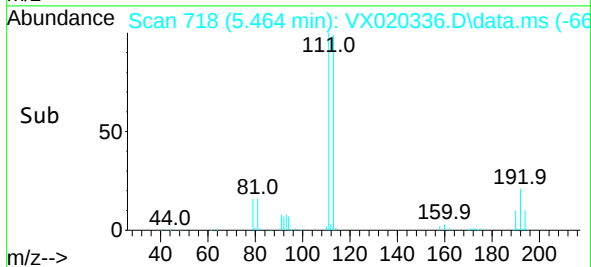
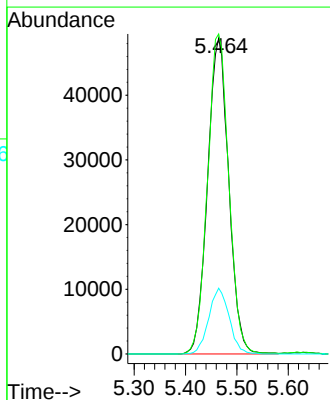
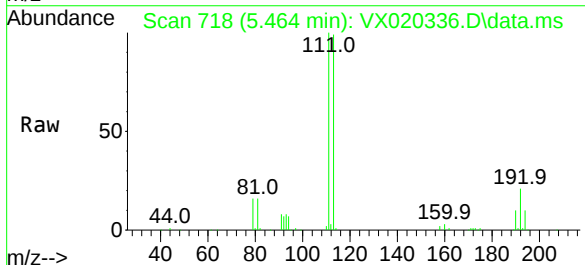


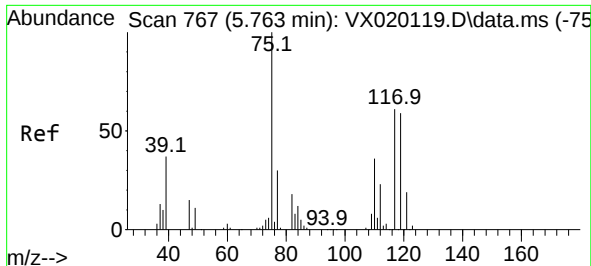
Tgt Ion:114 Resp: 438054
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.75 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

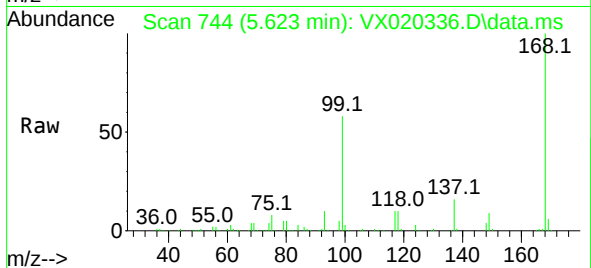
Tgt Ion:113 Resp: 139406
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 20.1 16.7 25.1



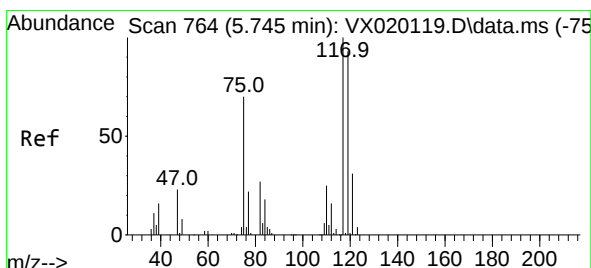
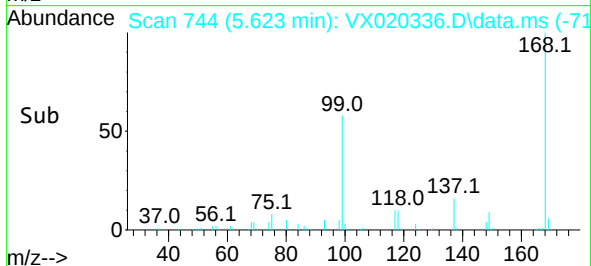
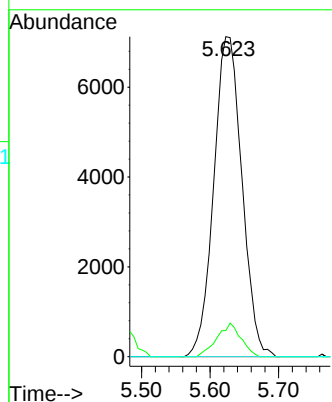


#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

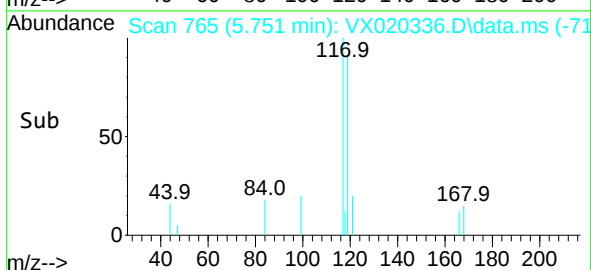
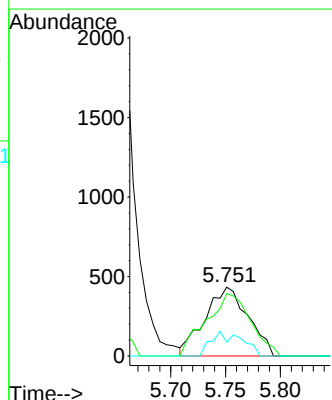
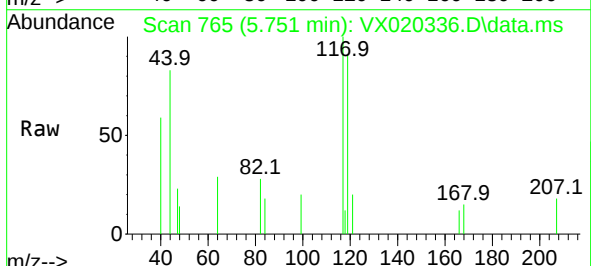


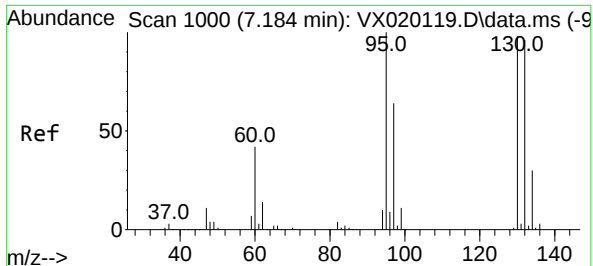
Tgt Ion: 75 Resp: 20320
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.29 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 117 Resp: 1186
Ion Ratio Lower Upper
117 100
119 90.8 76.2 114.2
121 20.1 24.8 37.2#

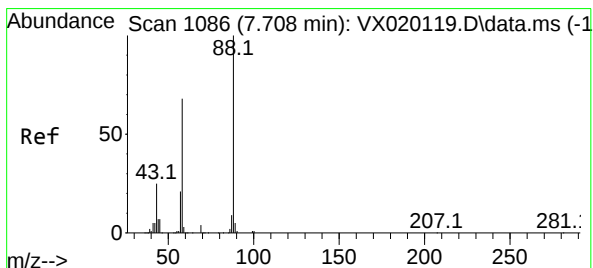
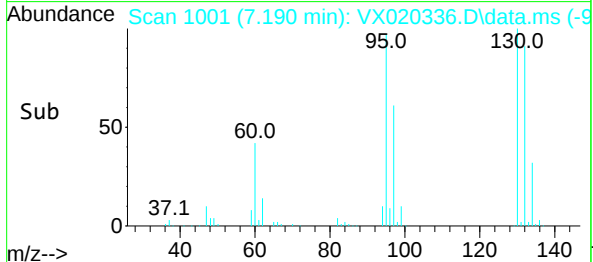
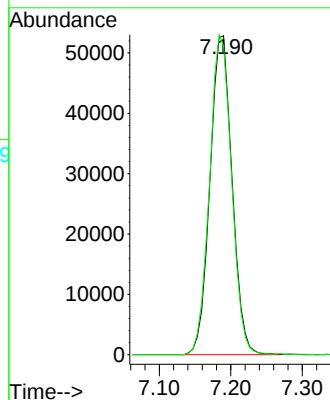
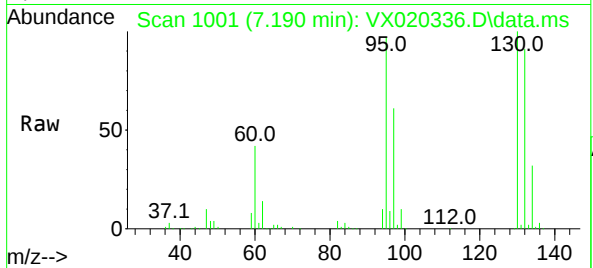




#44
Trichloroethene
Concen: 32.56 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

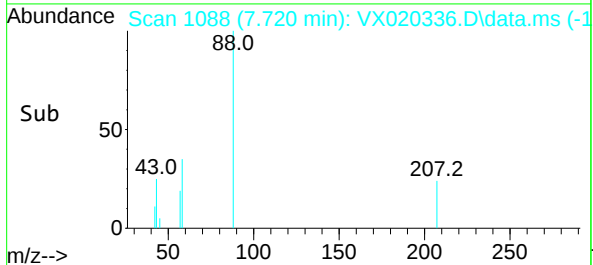
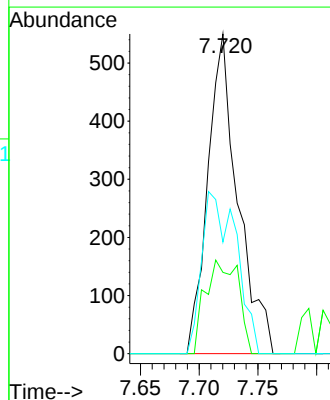
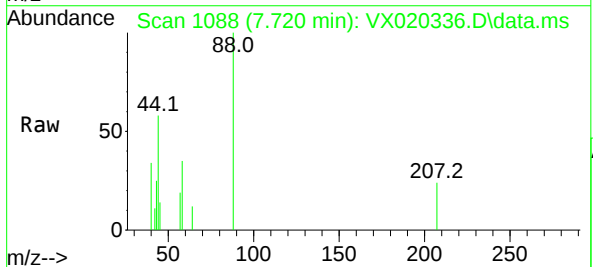
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

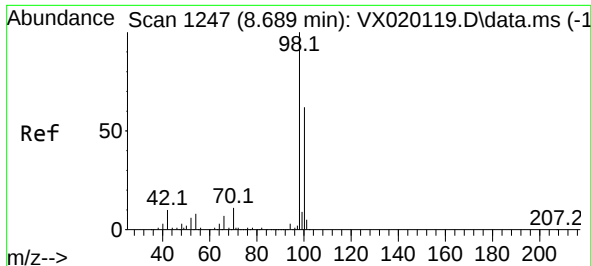
Tgt Ion:130 Resp: 113427
Ion Ratio Lower Upper
130 100
95 96.8 0.0 198.0



#49
1,4-Dioxane
Concen: 12.02 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 88 Resp: 979
Ion Ratio Lower Upper
88 100
43 32.0 23.2 34.8
58 58.0 55.0 82.4

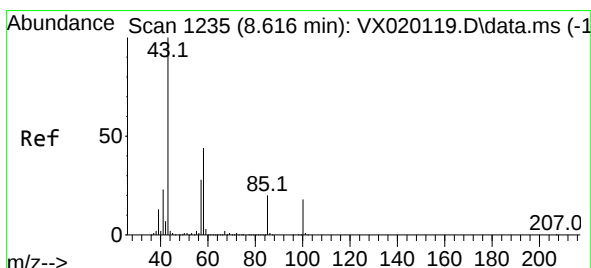
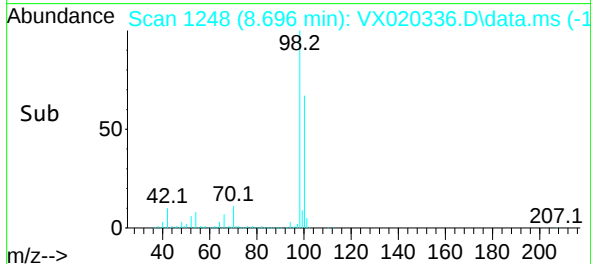
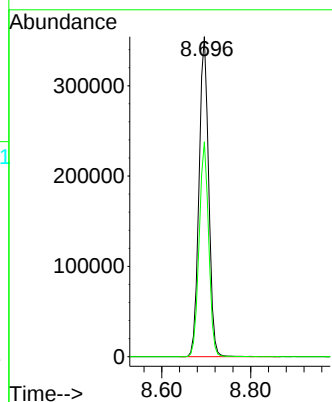
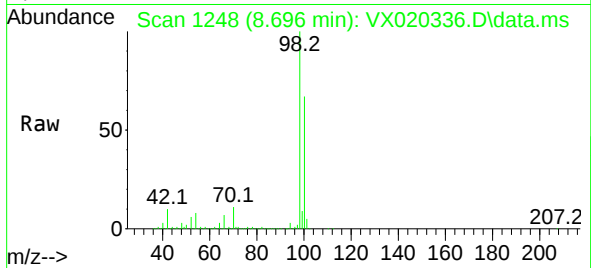




#50
Toluene-d8
Concen: 49.37 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

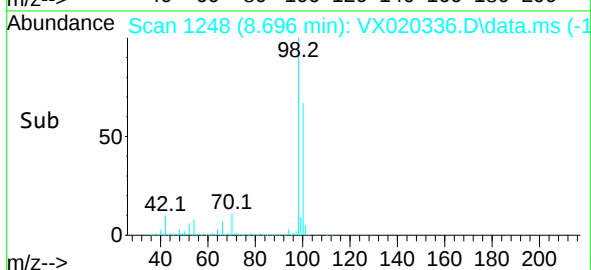
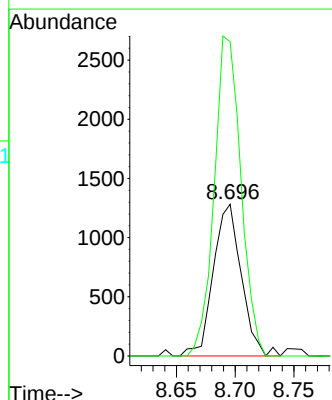
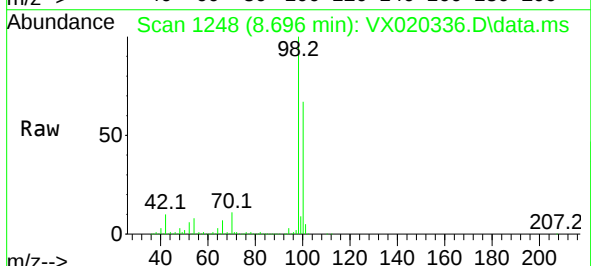
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

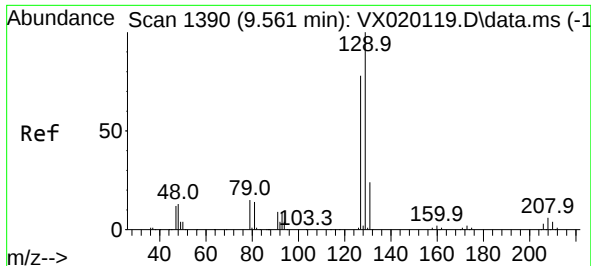
Tgt Ion: 98 Resp: 532555
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
58 200.8 35.4 53.0#

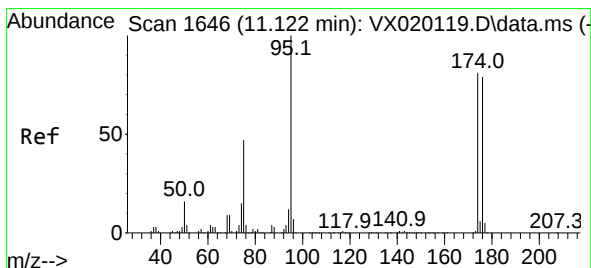
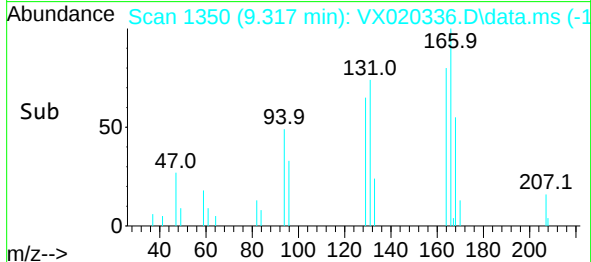
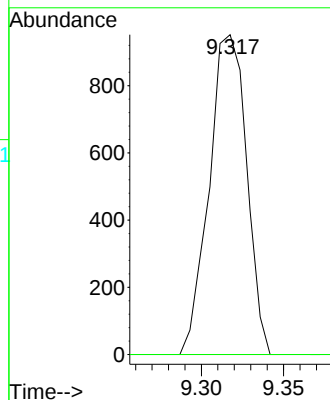
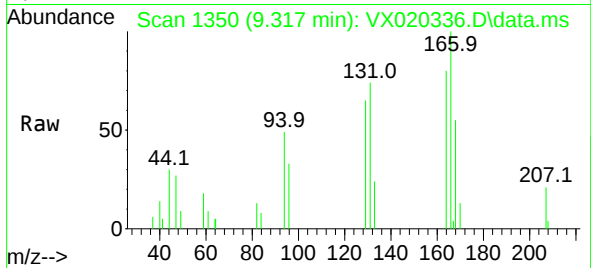




#60
Dibromochloromethane
Concen: 0.45 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

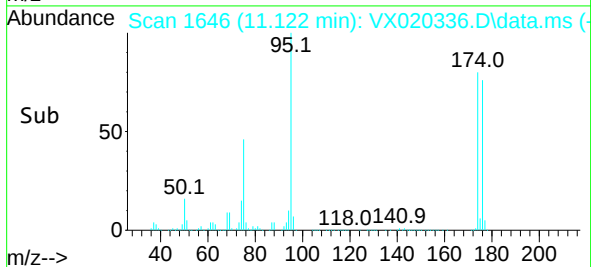
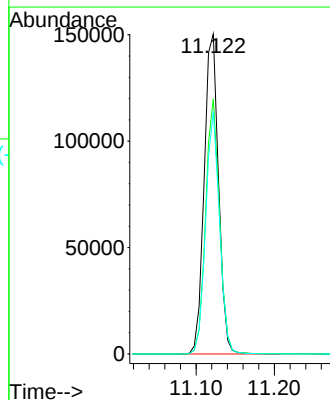
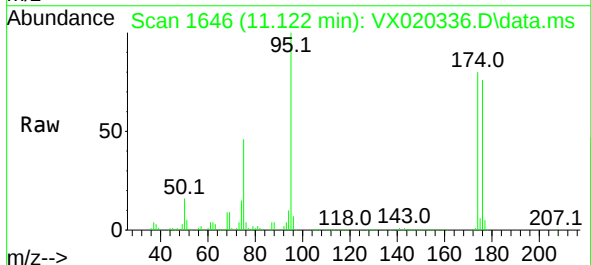
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

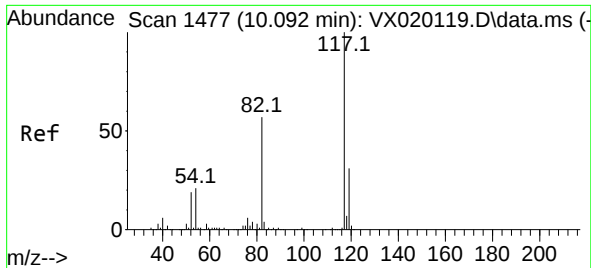
Tgt Ion:129 Resp: 1509
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.26 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion: 95 Resp: 190994
Ion Ratio Lower Upper
95 100
174 77.2 0.0 154.6
176 73.2 0.0 155.8

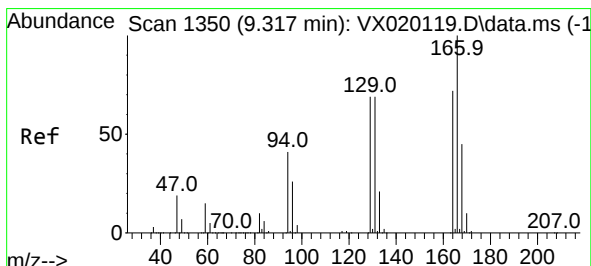
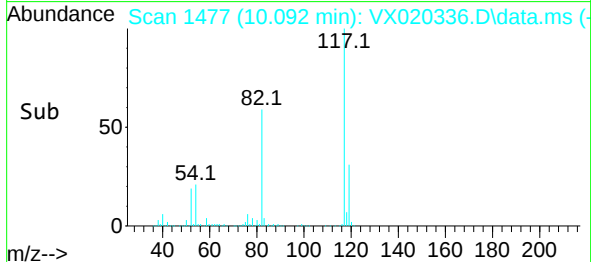
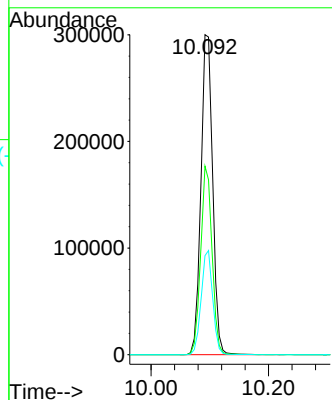
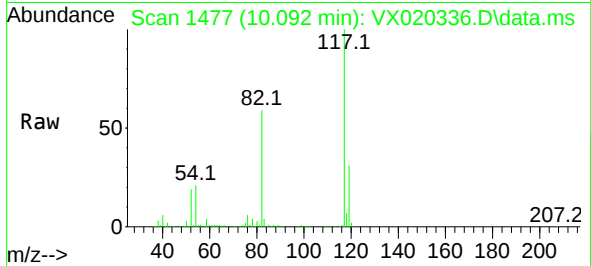




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

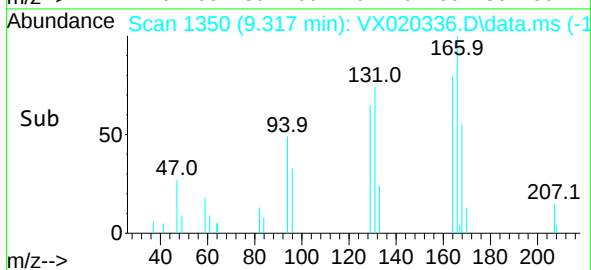
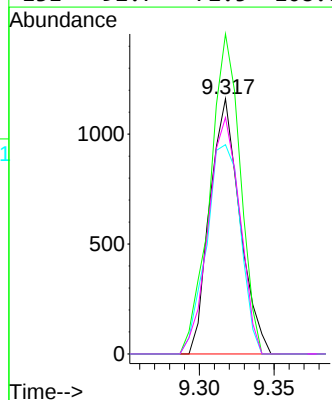
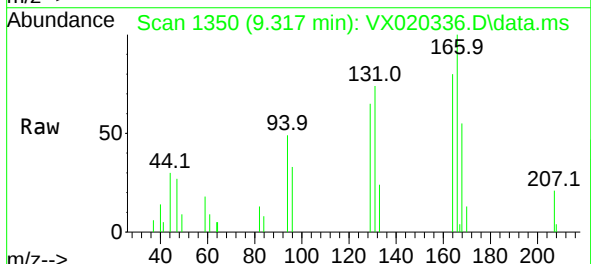
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

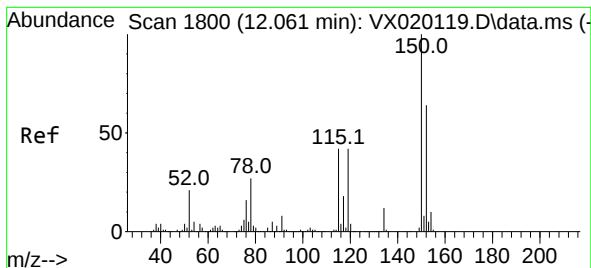
Tgt Ion:117	Resp:	416119
Ion	Ratio	Lower Upper
117	100	
82	58.9	47.4 71.2
119	30.9	26.6 39.8



#64
Tetrachloroethene
Concen: 0.52 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

Tgt Ion:164	Resp:	1623
Ion	Ratio	Lower Upper
164	100	
166	125.4	103.4 155.2
129	82.0	70.8 106.2
131	92.7	72.5 108.7

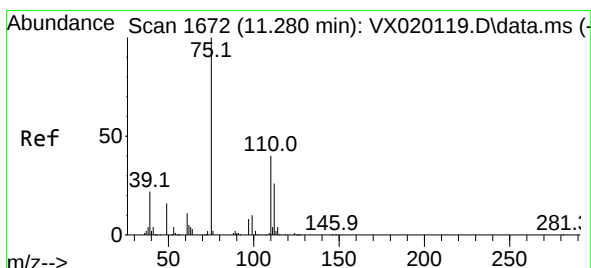
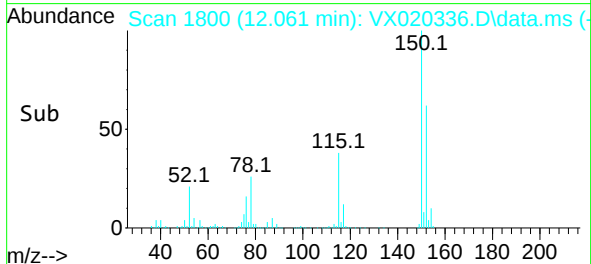
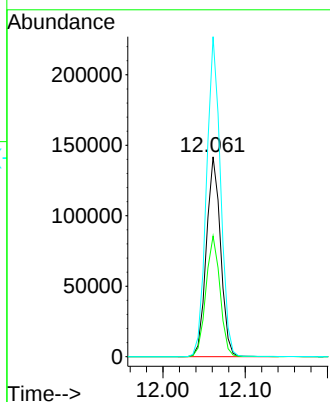
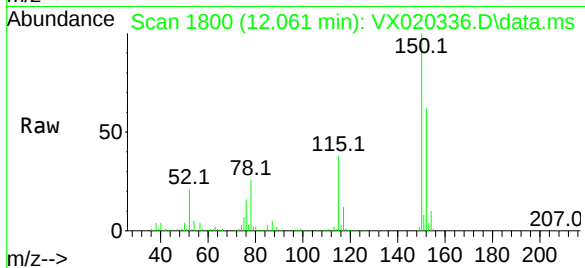




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

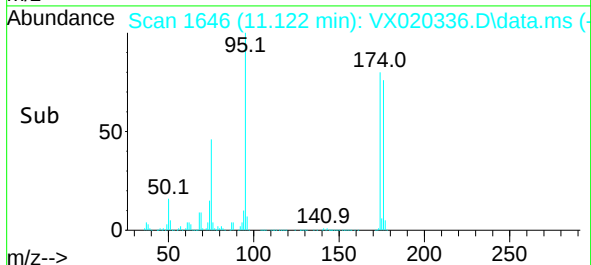
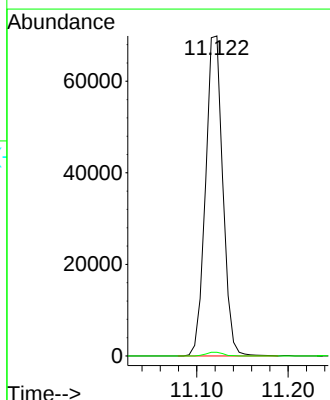
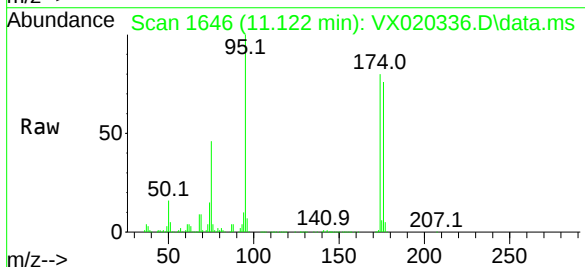
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20201211

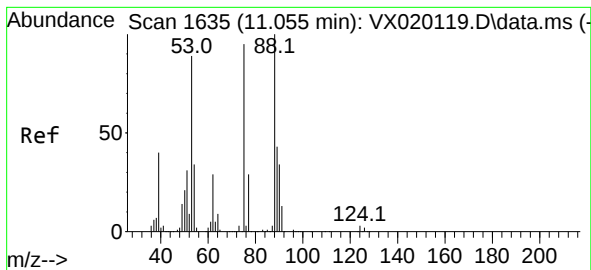
Tgt Ion:152 Resp: 170070
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.80 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020336.D
Acq: 23 Dec 2020 14:21

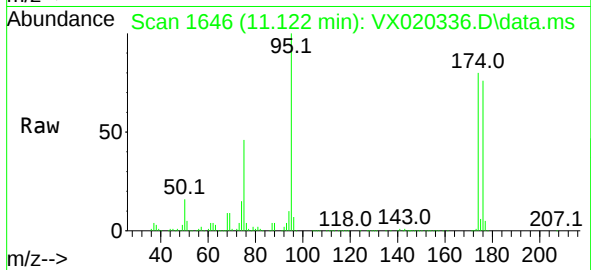
Tgt Ion: 75 Resp: 91333
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.68 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020336.D
 Acq: 23 Dec 2020 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20201211



Tgt Ion: 75 Resp: 91333
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

