

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020386.D
 Acq On : 24 Dec 2020 14:36
 Operator : JC/MD
 Sample : L5124-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20201214

Quant Time: Dec 25 01:13:05 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	252624	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	420566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	394636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	168890	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	171519	50.65	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.30%
35) Dibromofluoromethane	5.464	113	136740	50.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.66%
50) Toluene-d8	8.696	98	521411	50.35	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.70%
62) 4-Bromofluorobenzene	11.122	95	179027	45.17	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.34%

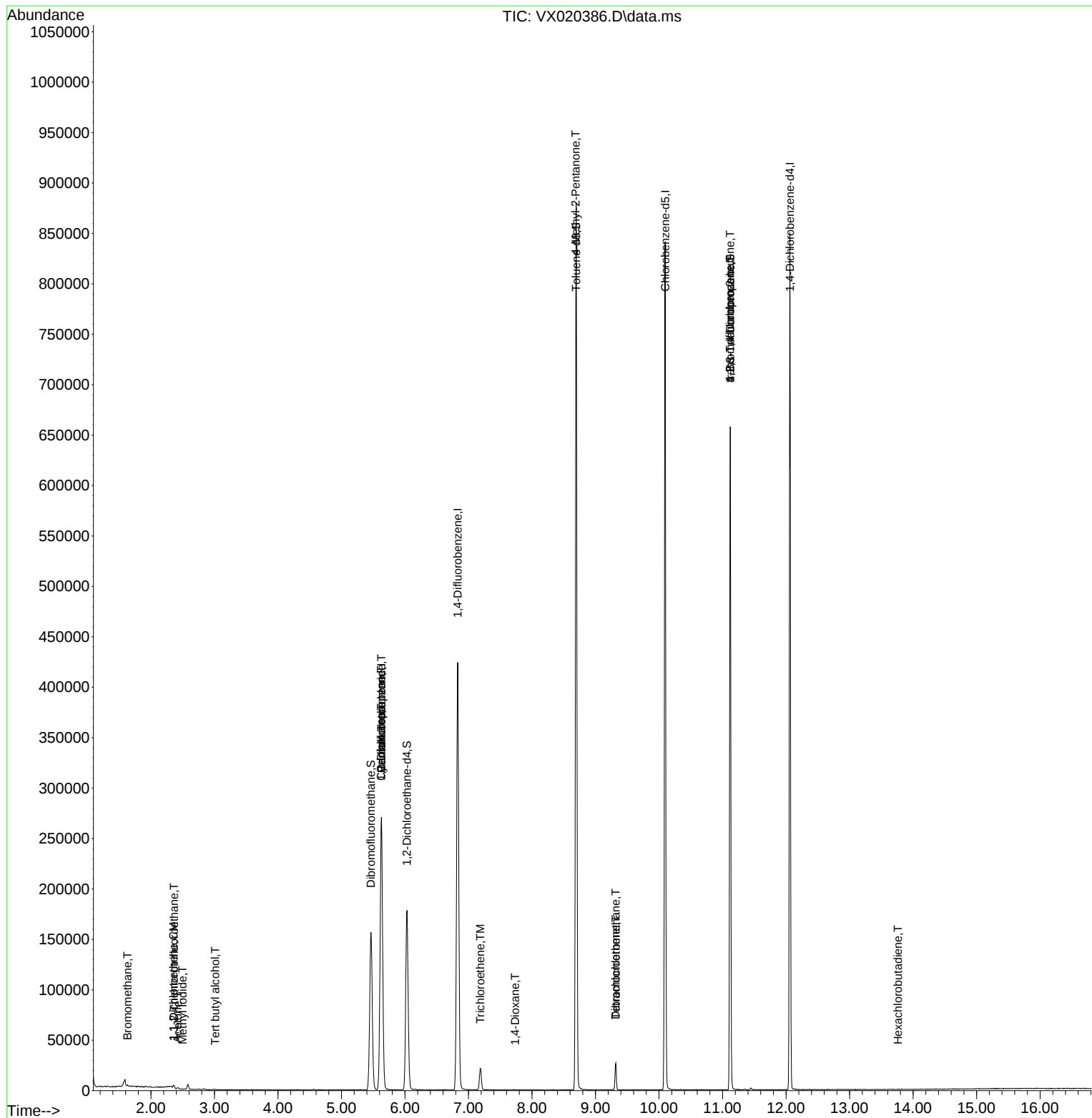
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	577	0.52	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.361	101	861	0.34	ug/l	100
10) Methyl Iodide	2.495	142	330	3.38	ug/l #	75
11) Tert butyl alcohol	3.014	59	424	0.56	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	638	0.25	ug/l	97
16) Acetone	2.416	43	1430	0.93	ug/l	93
31) Cyclohexane	5.623	56	5158	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	19643	4.73	ug/l #	49
38) Carbon Tetrachloride	5.629	117	25082	6.34	ug/l #	17
44) Trichloroethene	7.184	130	8155	2.44	ug/l	96
49) 1,4-Dioxane	7.732	88	91	1.16	ug/l #	1
51) 4-Methyl-2-Pentanone	8.689	43	2139	0.51	ug/l #	1
60) Dibromochloromethane	9.317	129	4774	1.48	ug/l #	11
64) Tetrachloroethene	9.317	164	4776	1.61	ug/l	96
76) 1,2,3-Trichloropropane	11.122	75	88273	21.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	88273	62.95	ug/l #	12
94) Hexachlorobutadiene	13.762	225	20	2.66	ug/l #	19

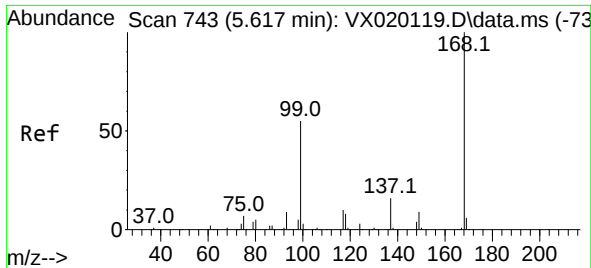
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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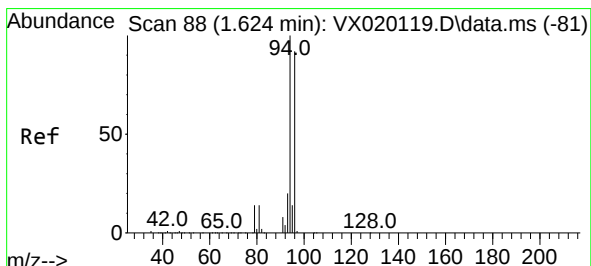
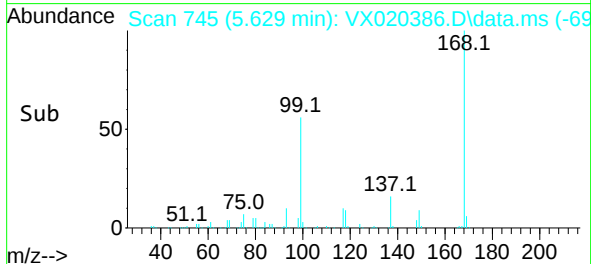
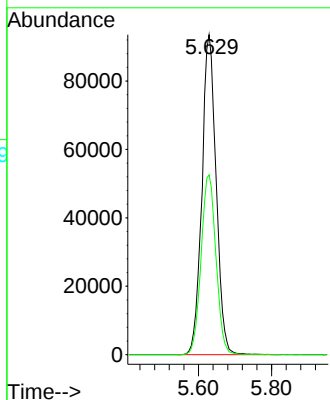
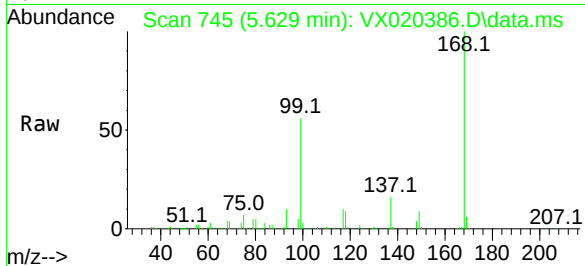




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

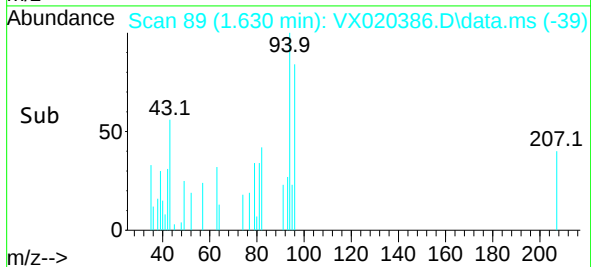
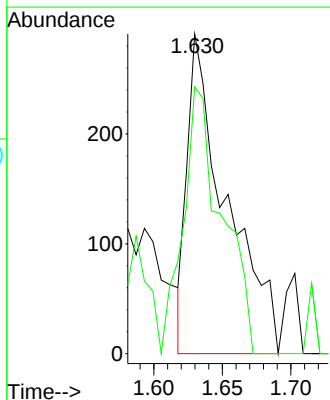
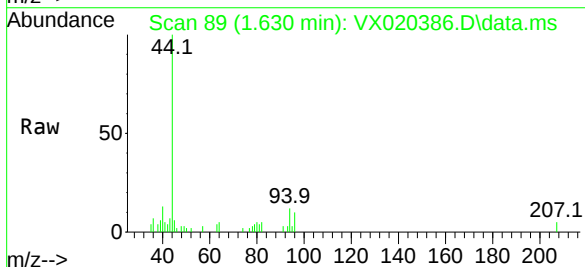
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

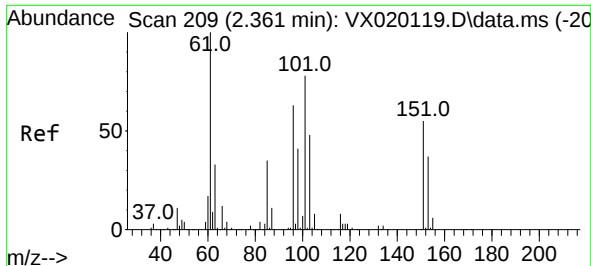
Tgt Ion:168 Resp: 252624
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#5
Bromomethane
Concen: 0.52 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 94 Resp: 577
Ion Ratio Lower Upper
94 100
96 83.5 76.4 114.6

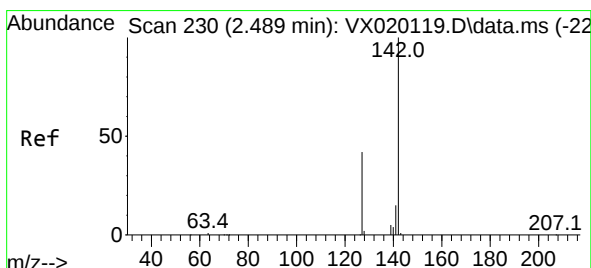
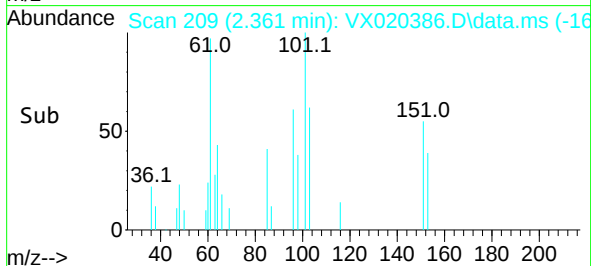
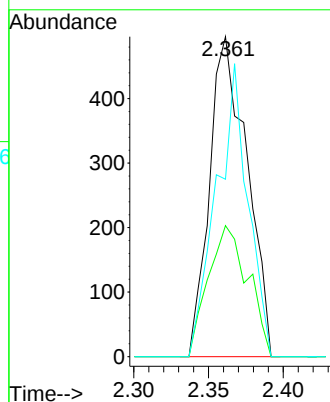
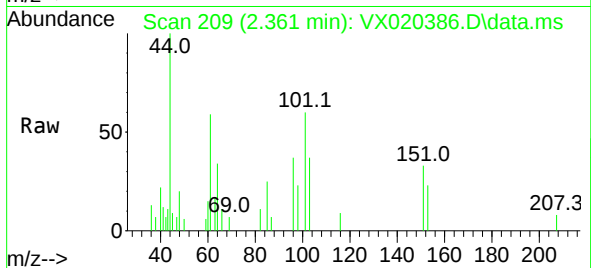




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.34 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

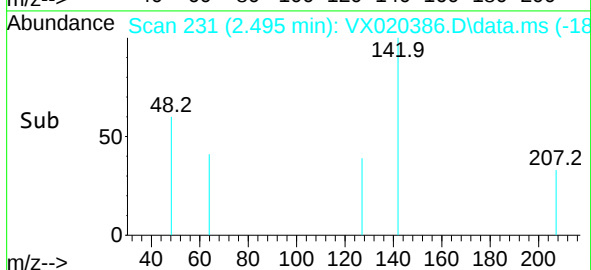
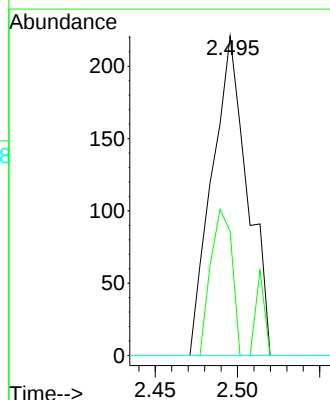
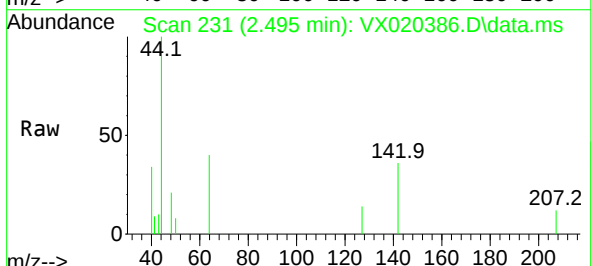
Instrument :
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ClientSampleId :
RE123D2-20201214

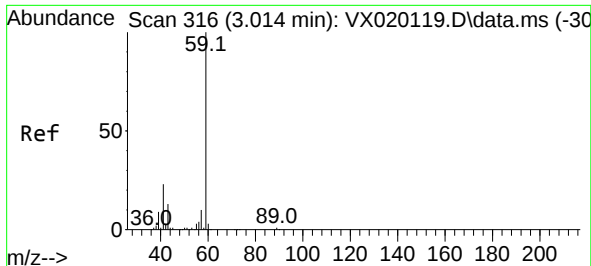
Tgt Ion:	101	Resp:	861
Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.9	52.3
151	77.1	61.4	92.2



#10
Methyl Iodide
Concen: 3.38 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion:	142	Resp:	330
Ion	Ratio	Lower	Upper
142	100		
127	27.6	33.3	49.9#
141	0.0	11.4	17.0#





#11

Tert butyl alcohol

Concen: 0.56 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.000 min

Lab File: VX020386.D

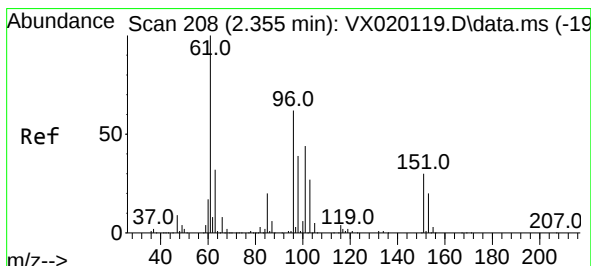
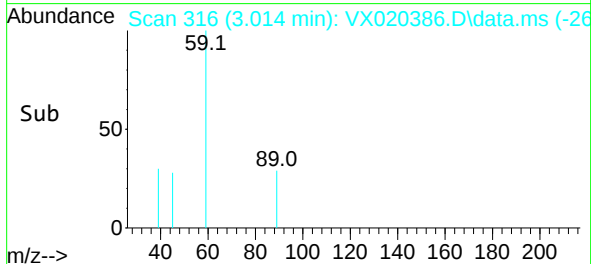
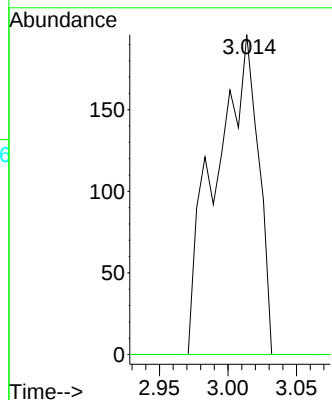
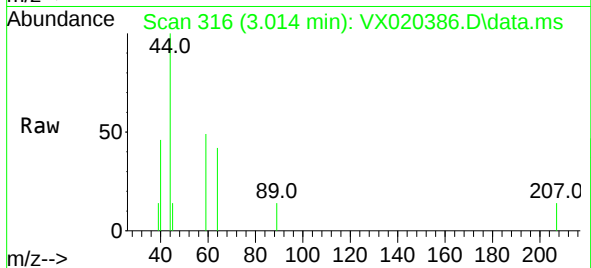
Acq: 24 Dec 2020 14:36

Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.25 ug/l

RT: 2.355 min Scan# 208

Delta R.T. 0.000 min

Lab File: VX020386.D

Acq: 24 Dec 2020 14:36

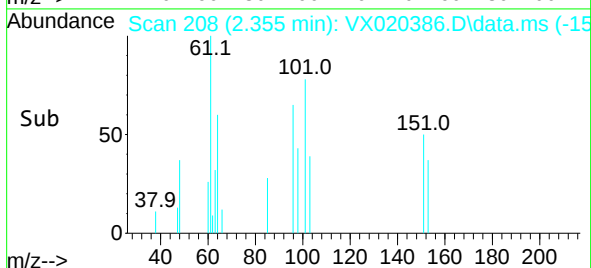
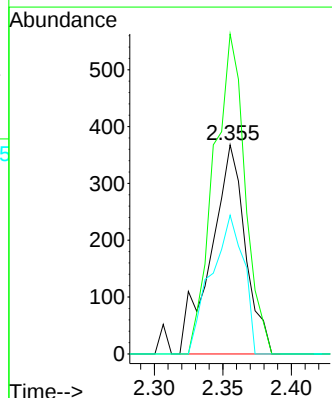
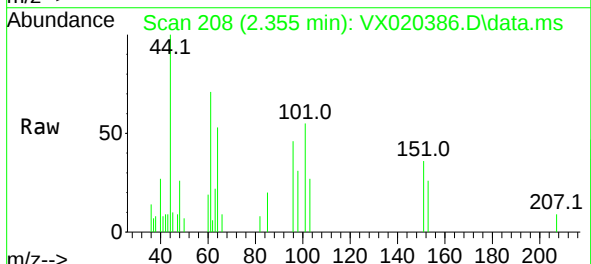
Tgt Ion: 96 Resp: 638

Ion Ratio Lower Upper

96 100

61 153.0 124.6 187.0

98 66.3 50.6 76.0

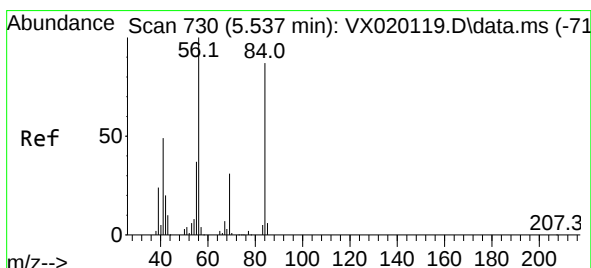
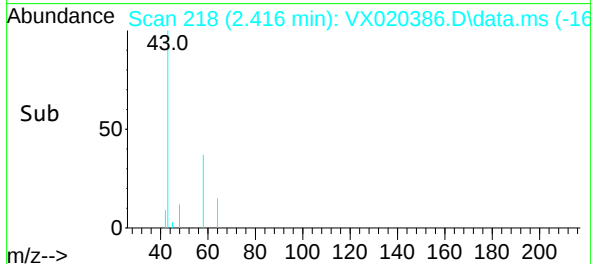
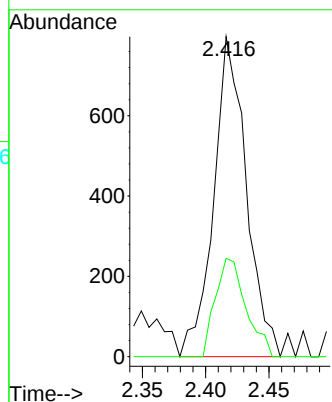
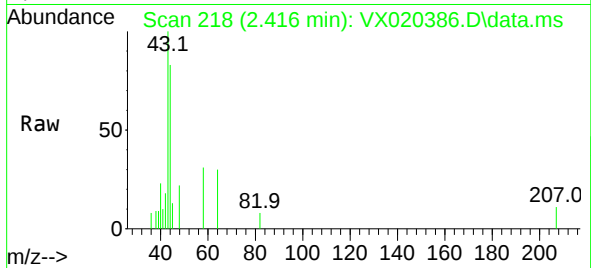




#16
Acetone
Concen: 0.93 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

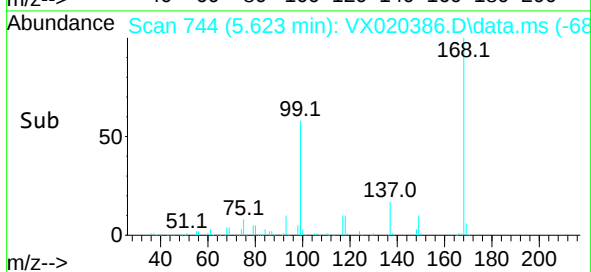
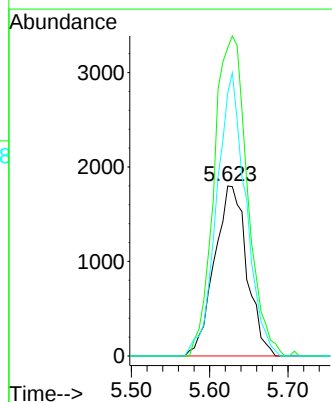
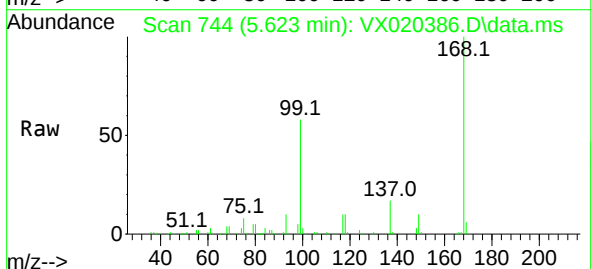
Instrument :
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ClientSampleId :
RE123D2-20201214

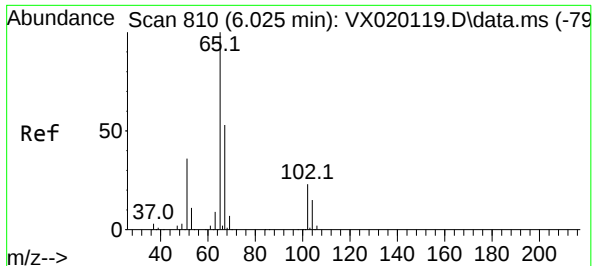
Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#31
Cyclohexane
Concen: 1.10 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 56 Resp: 5158
Ion Ratio Lower Upper
56 100
69 181.4 25.3 37.9#
84 154.7 71.4 107.0#

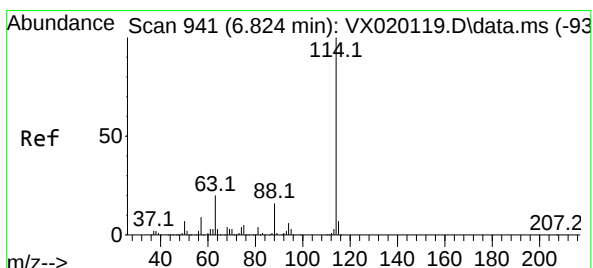
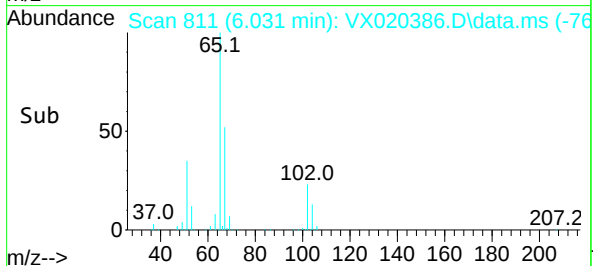
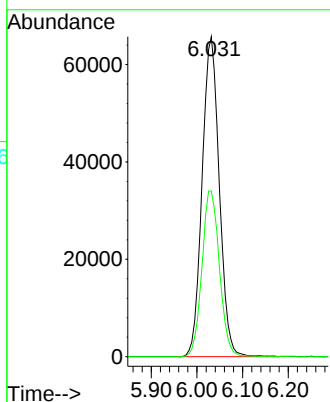
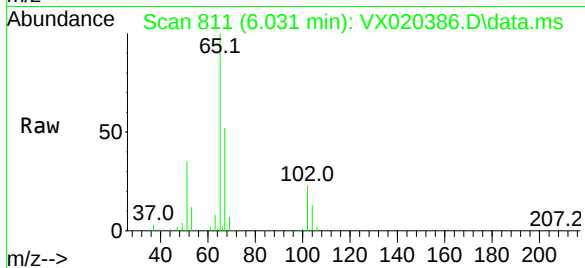




#33
1,2-Dichloroethane-d4
Concen: 50.65 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

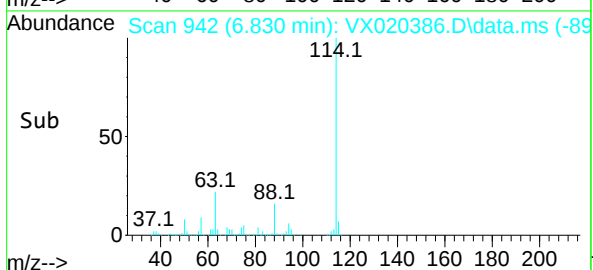
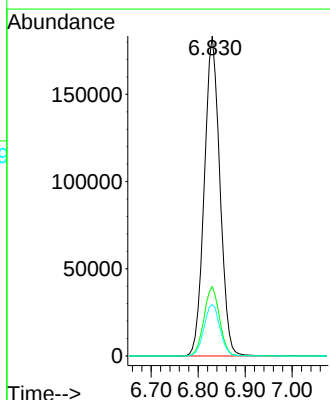
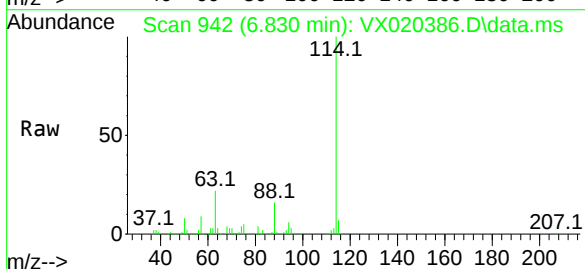
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ClientSampleId :
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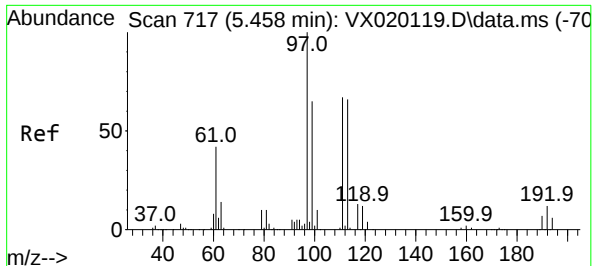
Tgt Ion: 65 Resp: 171519
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 114 Resp: 420566
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 16.0 0.0 32.8

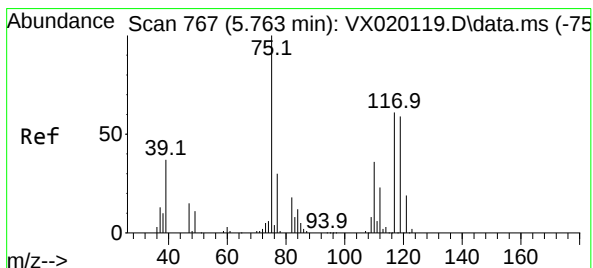
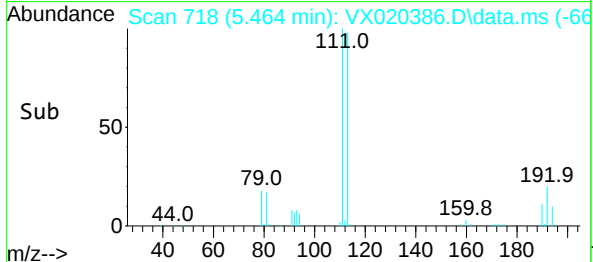
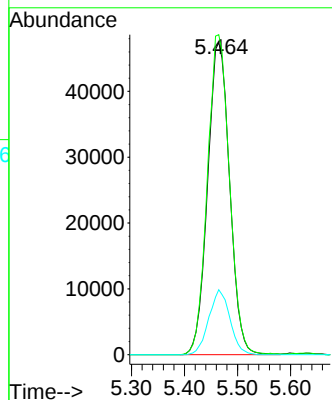
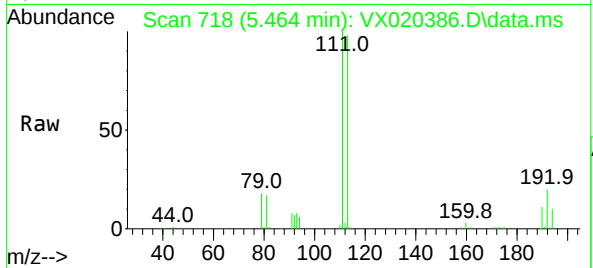




#35
Dibromofluoromethane
Concen: 50.83 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

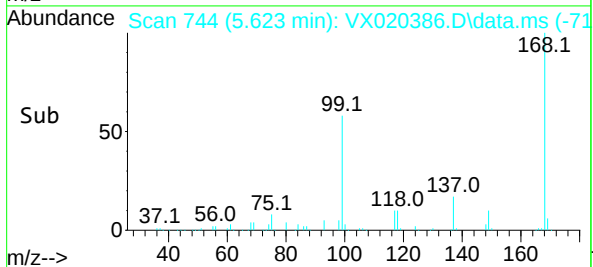
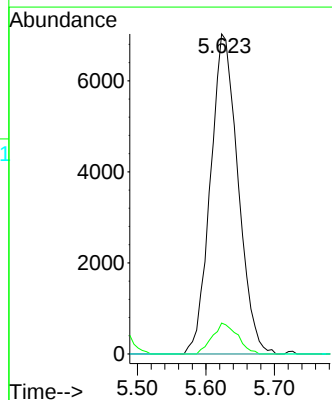
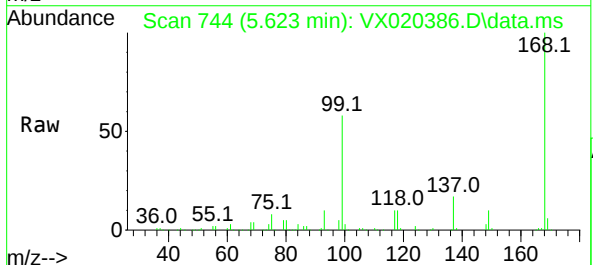
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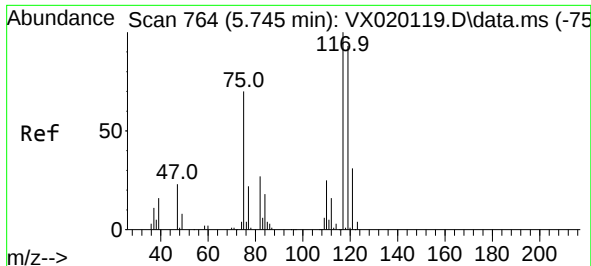
Tgt Ion:113 Resp: 136740
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 20.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

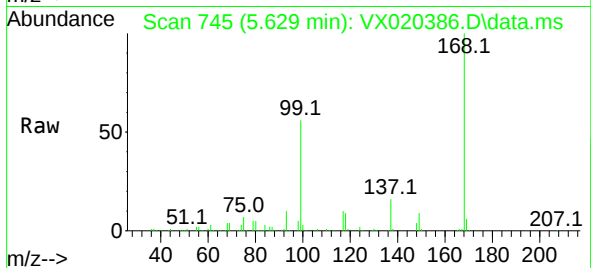
Tgt Ion: 75 Resp: 19643
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



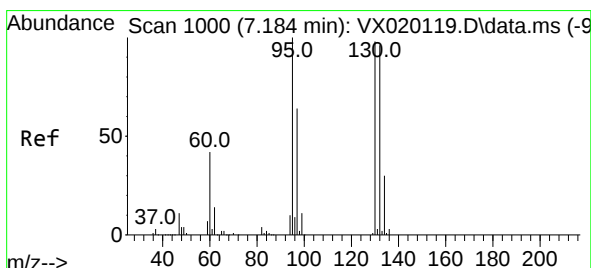
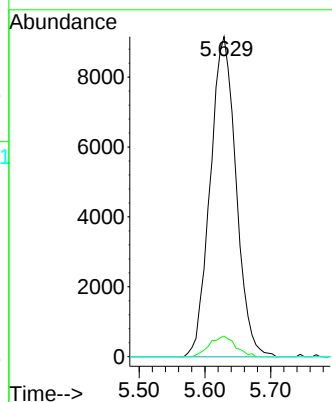
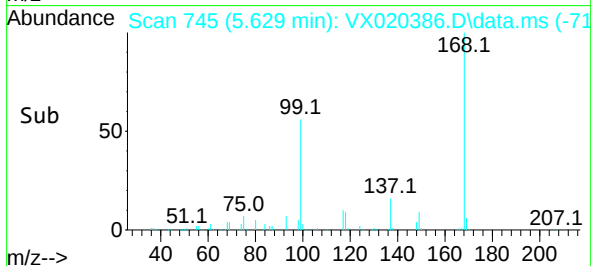


#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

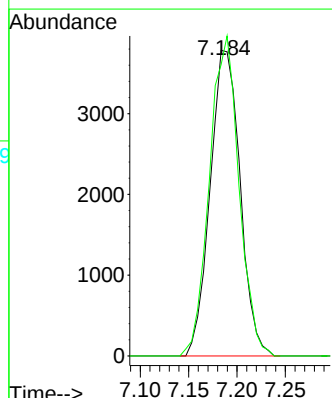
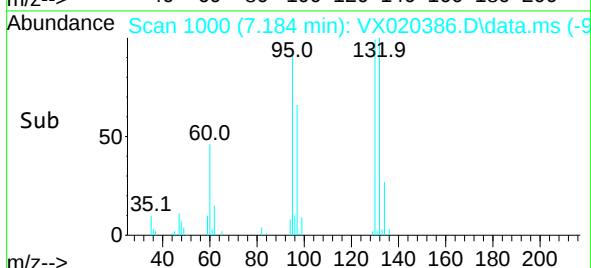
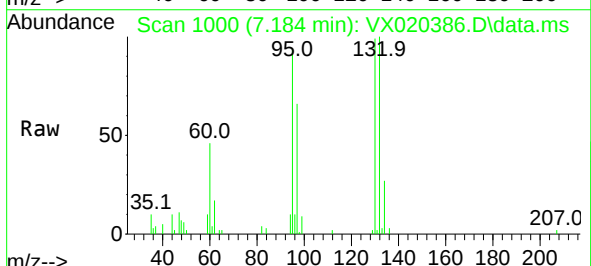


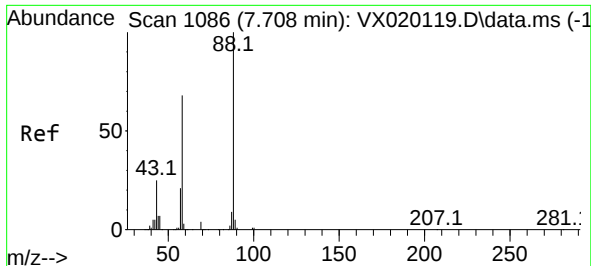
Tgt Ion:117 Resp: 25082
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 2.44 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion:130 Resp: 8155
Ion Ratio Lower Upper
130 100
95 95.4 0.0 198.0

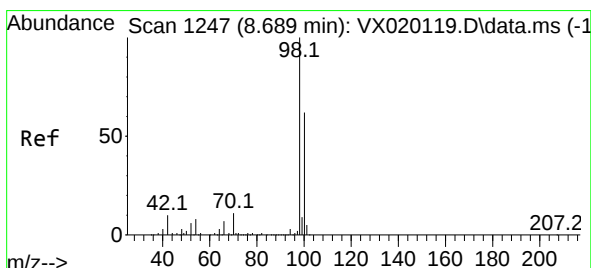
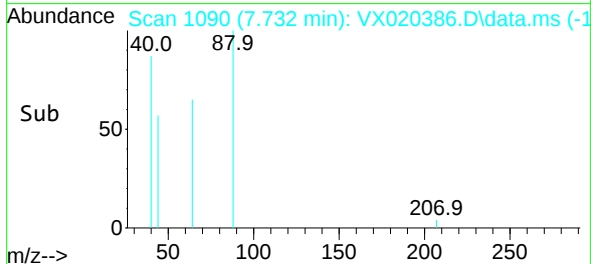
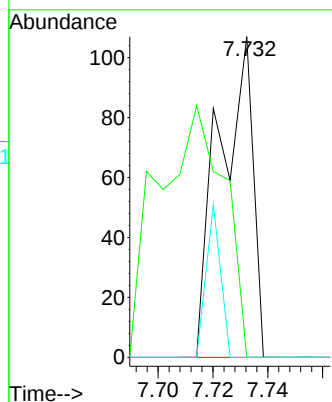
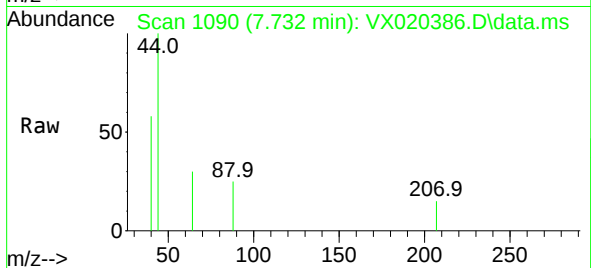




#49
1,4-Dioxane
Concen: 1.16 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.024 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

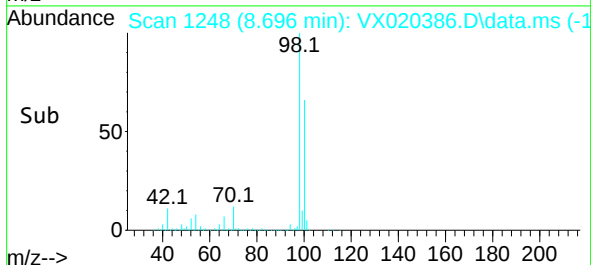
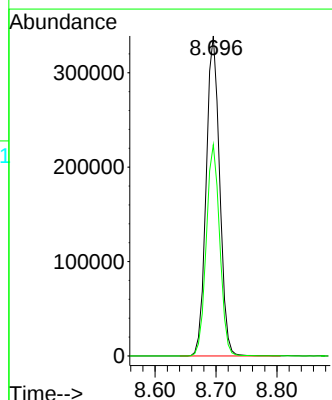
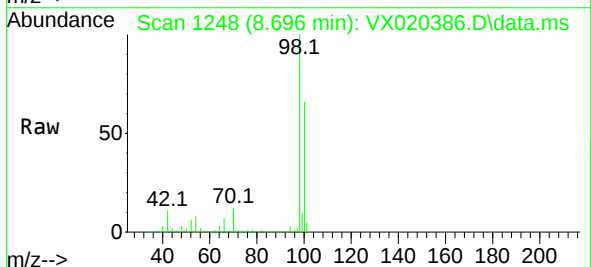
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

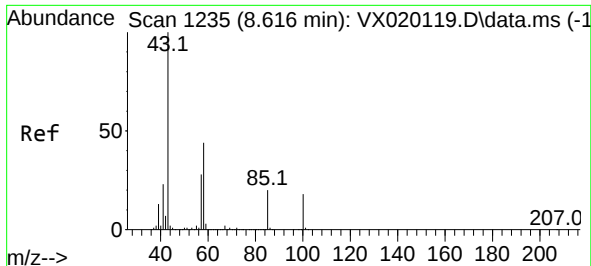
Tgt Ion: 88	Resp: 91
Ion Ratio	Lower Upper
88	100
43	153.8 23.2 34.8#
58	20.9 55.0 82.4#



#50
Toluene-d8
Concen: 50.35 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

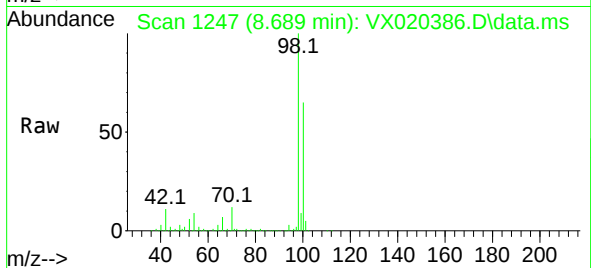
Tgt Ion: 98	Resp: 521411
Ion Ratio	Lower Upper
98	100
100	65.8 51.9 77.9



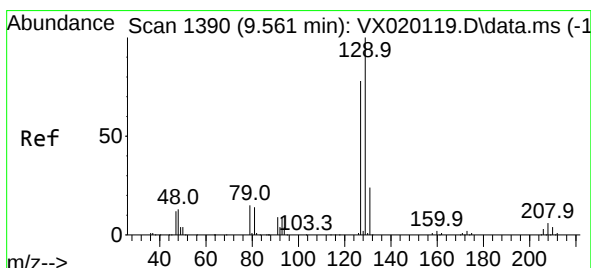
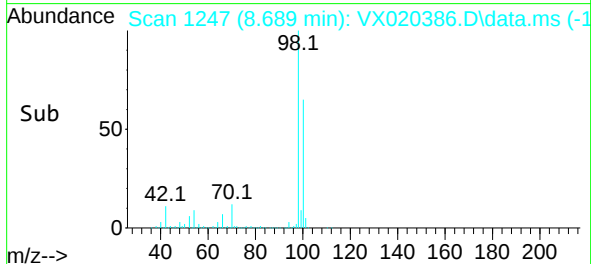
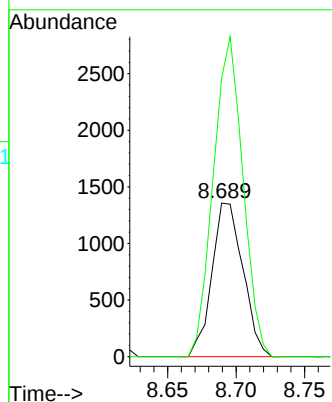


#51
4-Methyl-2-Pentanone
Concen: 0.51 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. 0.073 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

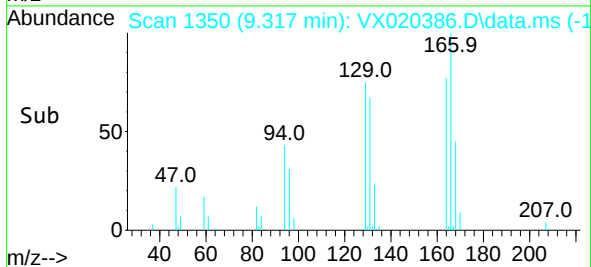
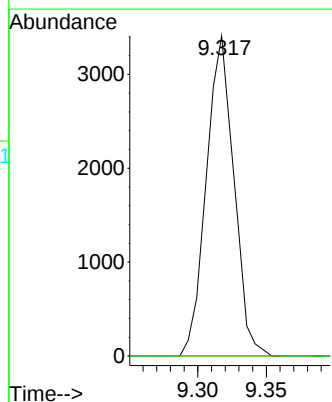
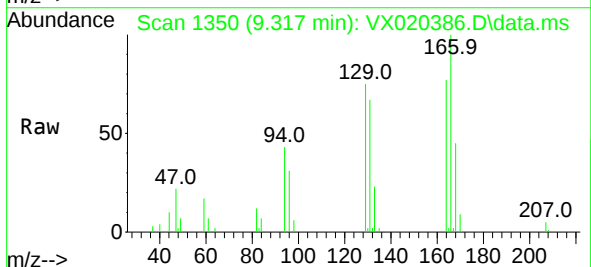


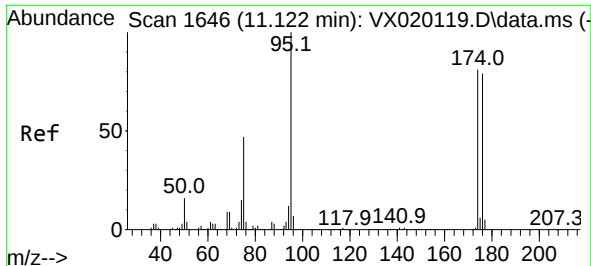
Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
58 198.6 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.48 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 129 Resp: 4774
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

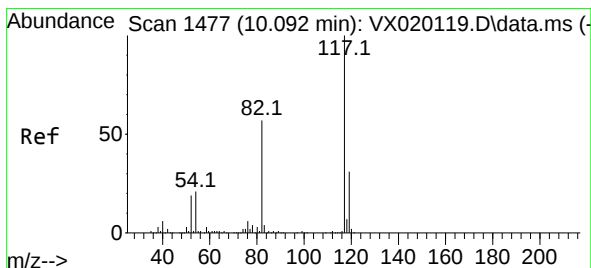
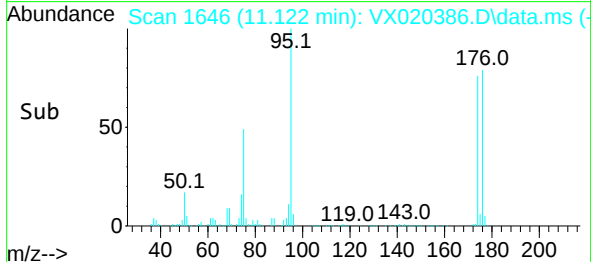
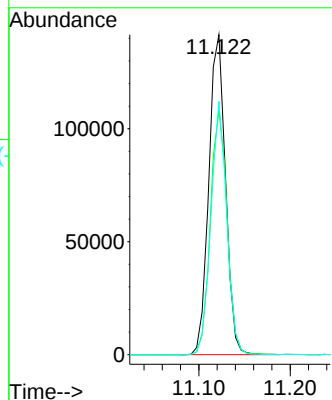
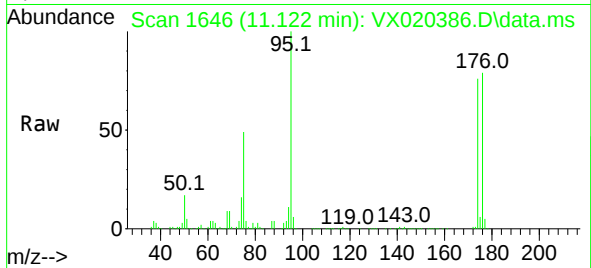




#62
4-Bromofluorobenzene
Concen: 45.17 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

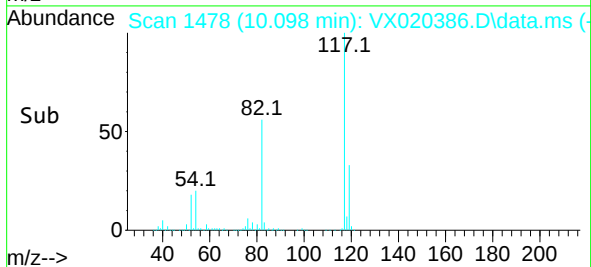
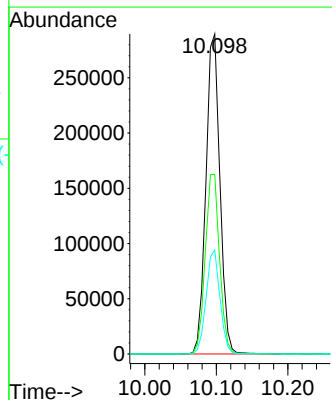
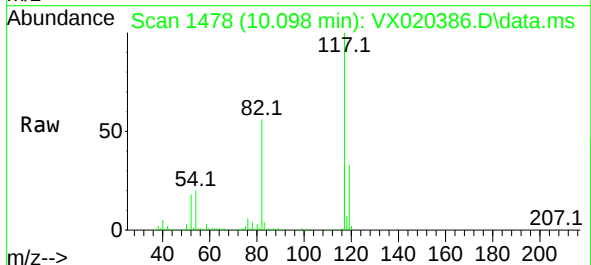
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

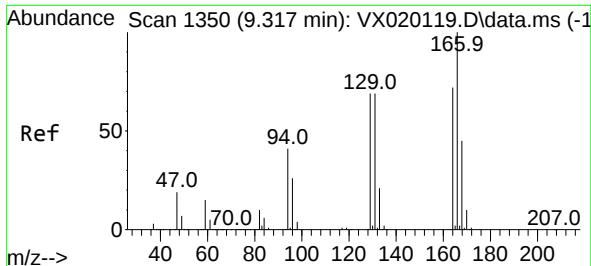
Tgt Ion: 95 Resp: 179027
Ion Ratio Lower Upper
95 100
174 77.0 0.0 154.6
176 74.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 117 Resp: 394636
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 32.5 26.6 39.8



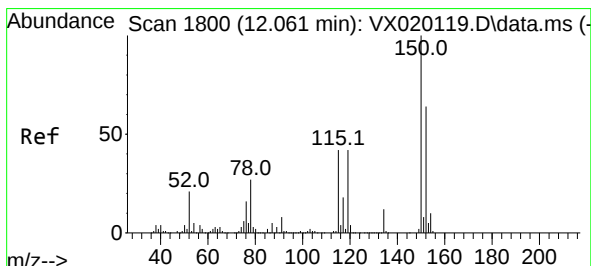
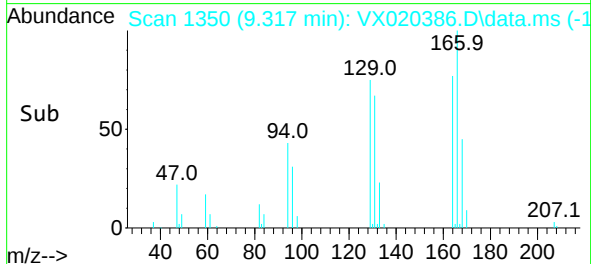
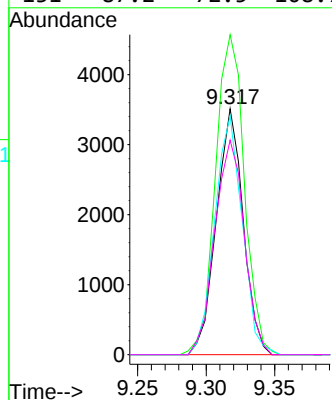
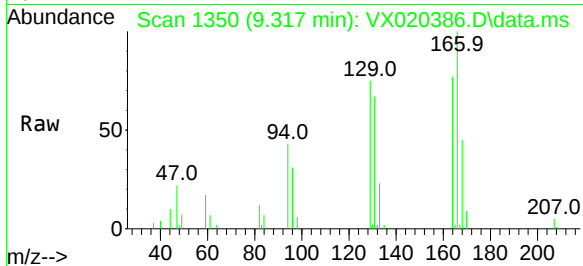


#64
Tetrachloroethene
Concen: 1.61 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

Tgt Ion:164 Resp: 4776

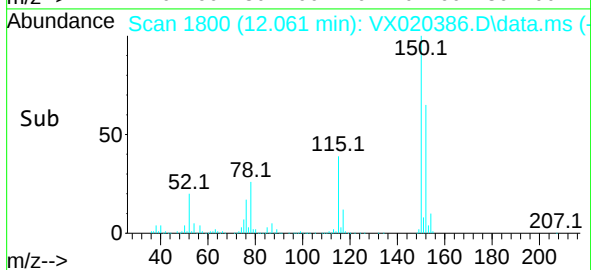
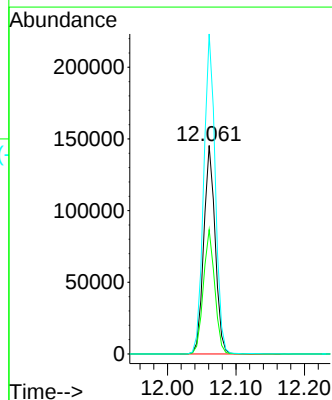
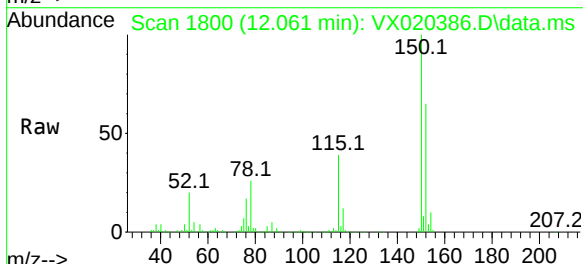
Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.4	155.2
129	97.0	70.8	106.2
131	87.2	72.5	108.7

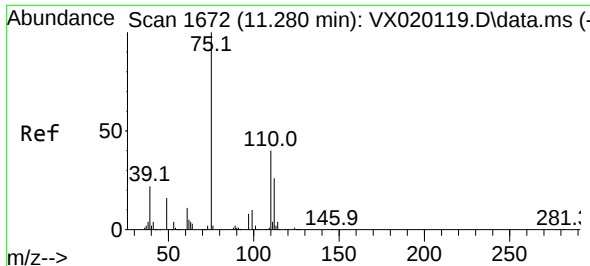


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion:152 Resp: 168890

Ion	Ratio	Lower	Upper
152	100		
115	59.4	41.1	123.3
150	154.8	0.0	349.0

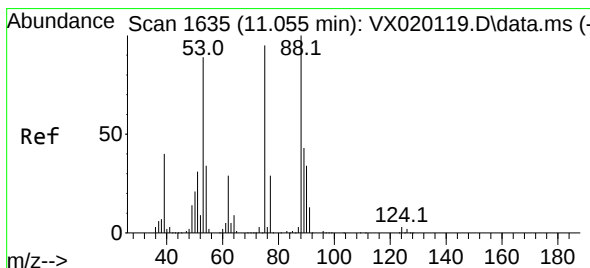
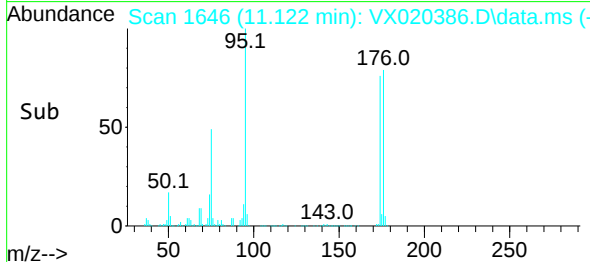
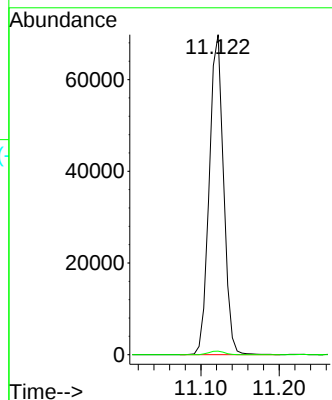
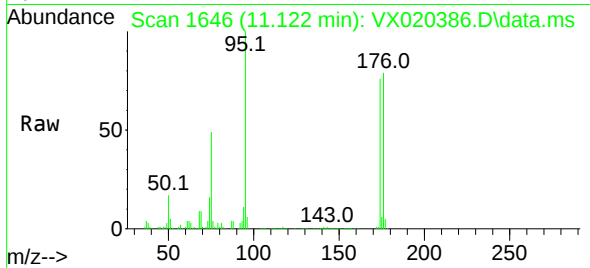




#76
1,2,3-Trichloropropane
Concen: 21.22 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

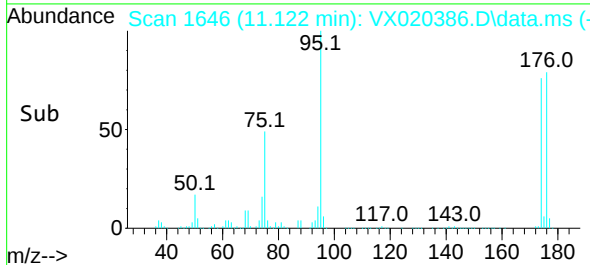
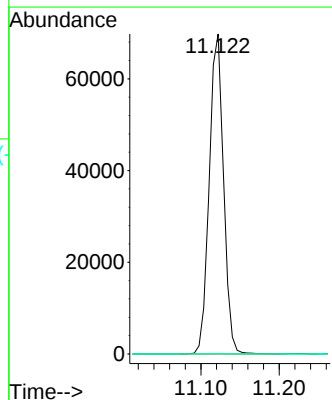
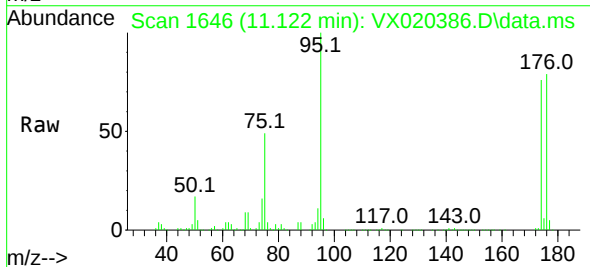
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20201214

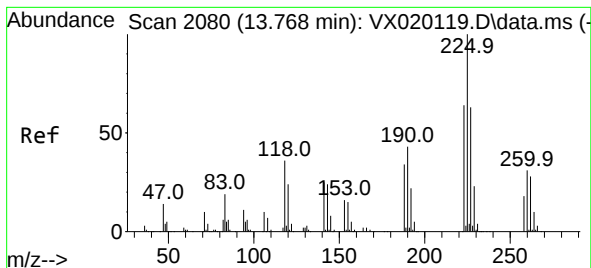
Tgt Ion: 75 Resp: 88273
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.95 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020386.D
Acq: 24 Dec 2020 14:36

Tgt Ion: 75 Resp: 88273
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.66 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020386.D
 Acq: 24 Dec 2020 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20201214

Tgt Ion:225 Resp: 20
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 31.6 95.0#

