

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020381.D
 Acq On : 24 Dec 2020 12:39
 Operator : JC/MD
 Sample : L5123-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:11:36 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	251165	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	415888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	385229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	165532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	165966	49.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.60%		
35) Dibromofluoromethane	5.464	113	133387	50.14	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.28%		
50) Toluene-d8	8.696	98	506404	49.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.90%		
62) 4-Bromofluorobenzene	11.122	95	182153	46.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.94%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	740	0.67	ug/l	98
10) Methyl Iodide	2.495	142	716	3.48	ug/l #	80
11) Tert butyl alcohol	3.008	59	609	0.81	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	710	0.28	ug/l #	80
13) Acrolein	2.276	56	232	0.49	ug/l #	51
16) Acetone	2.422	43	1266	0.82	ug/l #	88
19) Methyl tert-butyl Ether	3.172	73	4343	0.45	ug/l #	91
21) trans-1,2-Dichloroethene	3.136	96	727	0.23	ug/l	99
27) cis-1,2-Dichloroethene	4.562	96	114334	32.54	ug/l	90
31) Cyclohexane	5.635	56	5221	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	19453	4.73	ug/l #	49
38) Carbon Tetrachloride	5.623	117	24913	6.37	ug/l #	16
44) Trichloroethene	7.184	130	369764	111.80	ug/l	97
51) 4-Methyl-2-Pentanone	8.696	43	1969	0.47	ug/l #	1
60) Dibromochloromethane	9.317	129	49309	15.43	ug/l #	11
64) Tetrachloroethene	9.317	164	51297	17.67	ug/l	97
76) 1,2,3-Trichloropropane	11.116	75	88515	21.71	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	88515	64.40	ug/l #	12
94) Hexachlorobutadiene	13.762	225	64	2.68	ug/l #	39

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

Quant Time: Dec 25 01:11:36 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

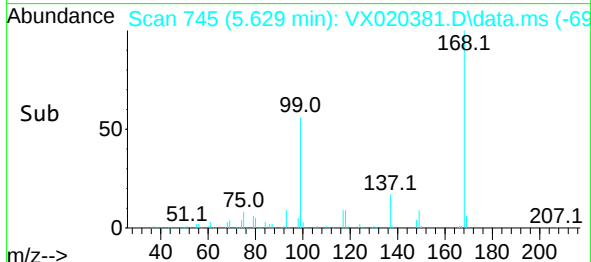
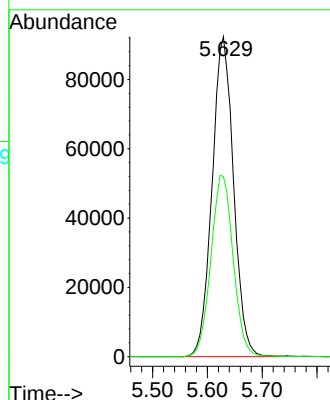
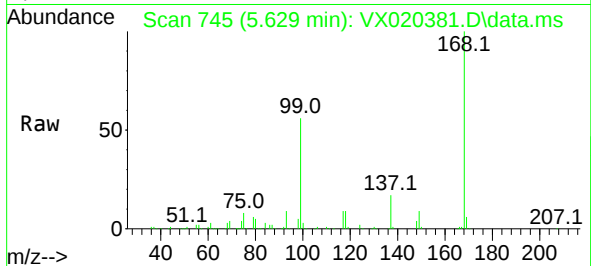




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

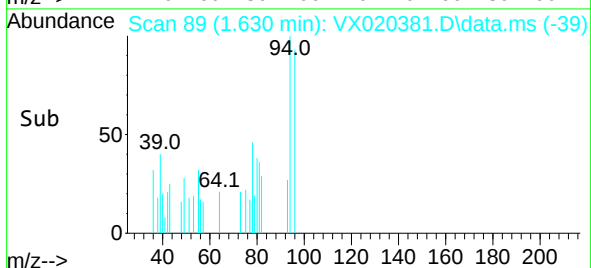
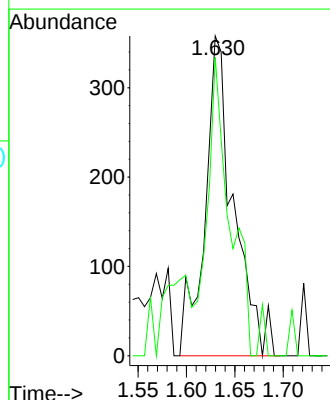
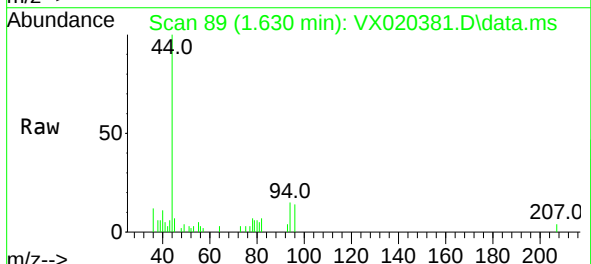
Instrument :
MSVOA_X
ClientSampled :

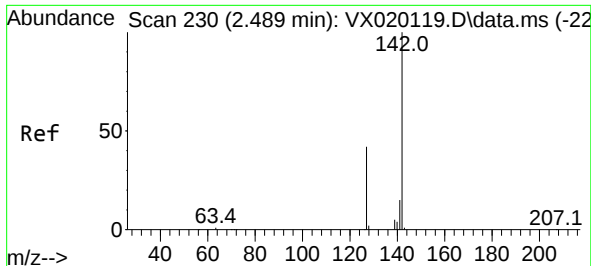
Tgt Ion:168 Resp: 251165
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#5
Bromomethane
Concen: 0.67 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

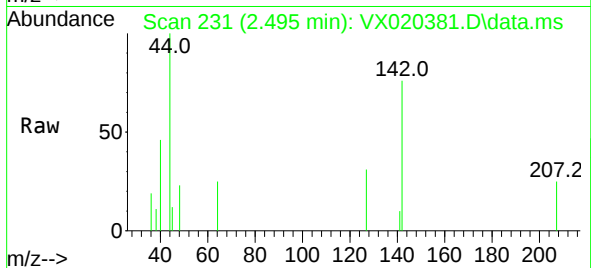
Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 93.3 76.4 114.6



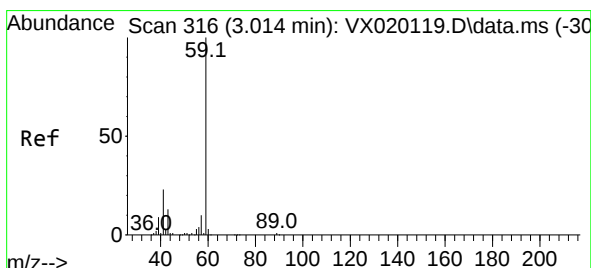
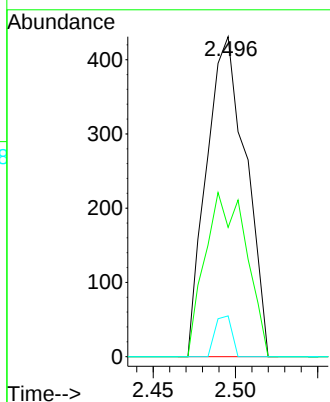
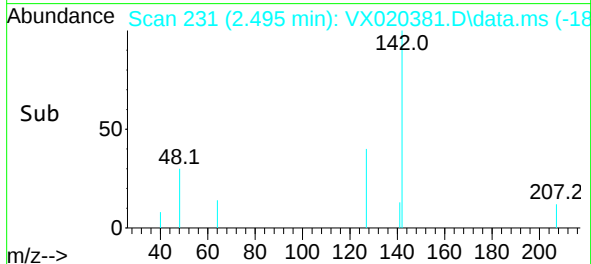


#10
Methyl Iodide
Concen: 3.48 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

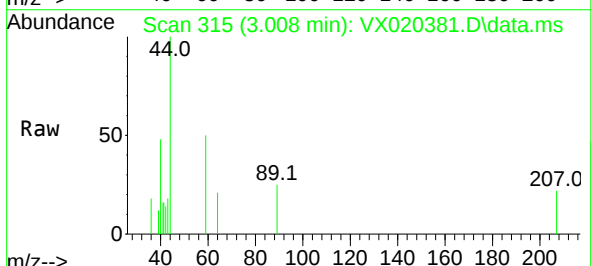
Instrument :
MSVOA_X
ClientSampled :



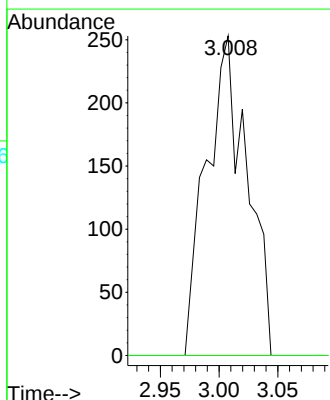
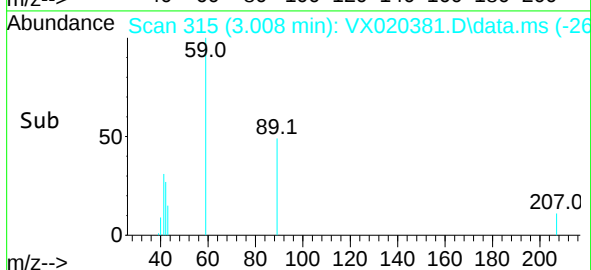
Tgt Ion:142 Resp: 716
Ion Ratio Lower Upper
142 100
127 53.9 33.3 49.9#
141 5.4 11.4 17.0#

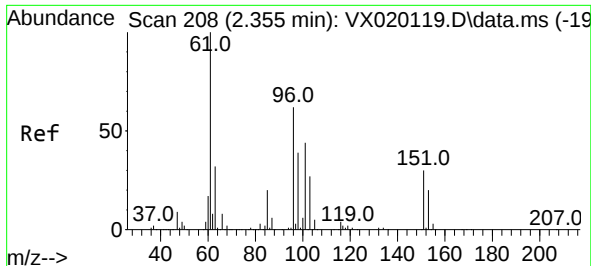


#11
Tert butyl alcohol
Concen: 0.81 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39



Tgt Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.28 ug/l

RT: 2.355 min Scan# 208

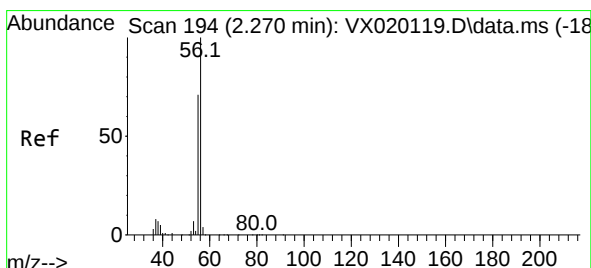
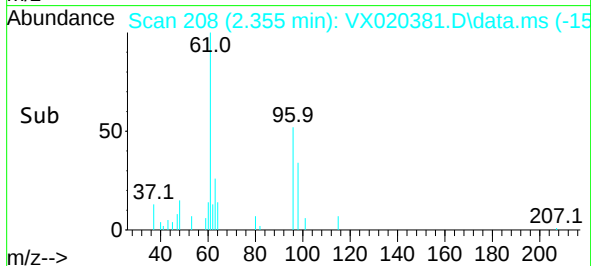
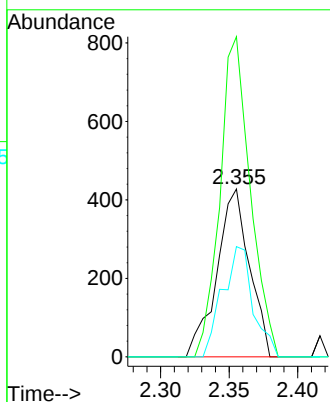
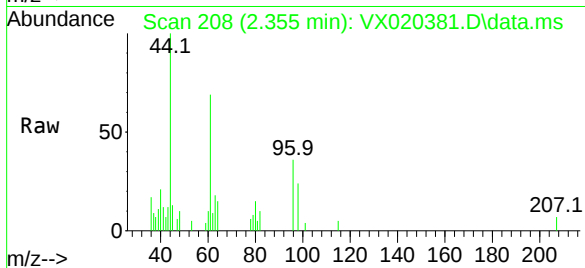
Delta R.T. 0.000 min

Lab File: VX020381.D

Acq: 24 Dec 2020 12:39

Tgt Ion:	96	Resp:	710
Ion	Ratio	Lower	Upper
96	100		
61	190.7	124.6	187.0#
98	65.7	50.6	76.0

Instrument :
MSVOA_X
ClientSampled :



#13

Acrolein

Concen: 0.49 ug/l

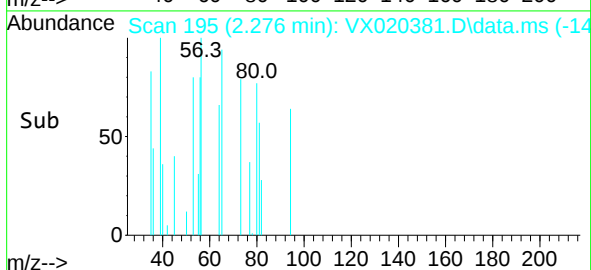
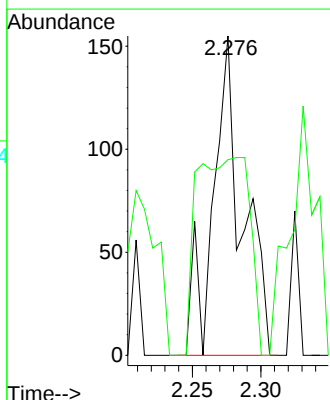
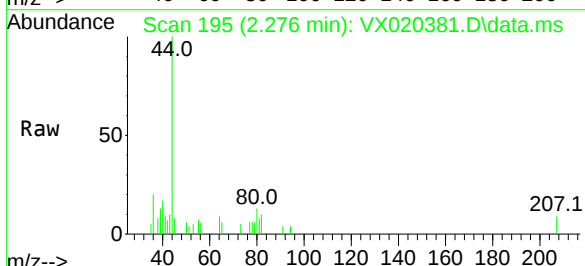
RT: 2.276 min Scan# 195

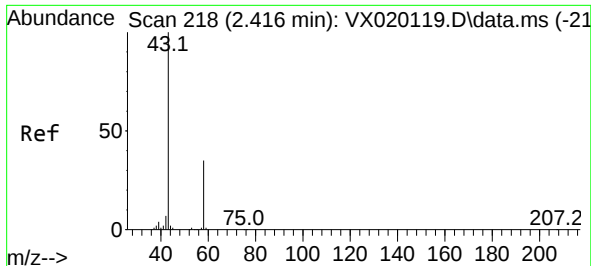
Delta R.T. 0.006 min

Lab File: VX020381.D

Acq: 24 Dec 2020 12:39

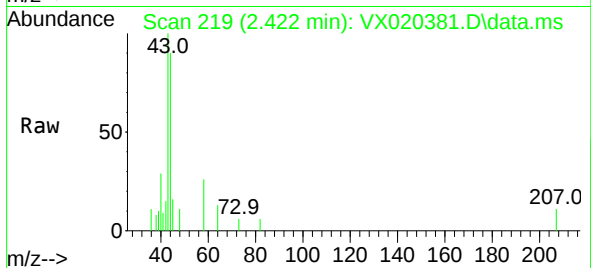
Tgt Ion:	56	Resp:	232
Ion	Ratio	Lower	Upper
56	100		
55	111.2	56.4	84.6#



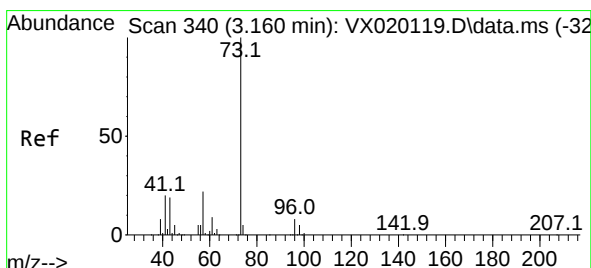
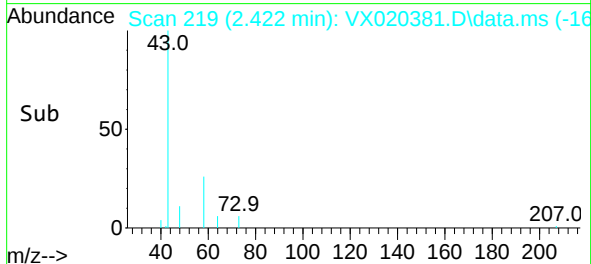
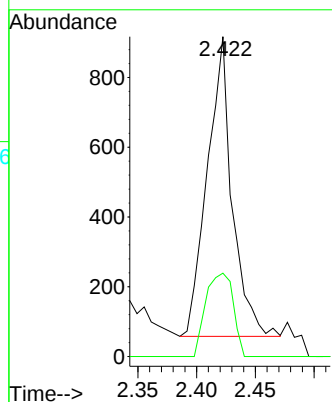


#16
Acetone
Concen: 0.82 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Instrument :
MSVOA_X
ClientSampled :

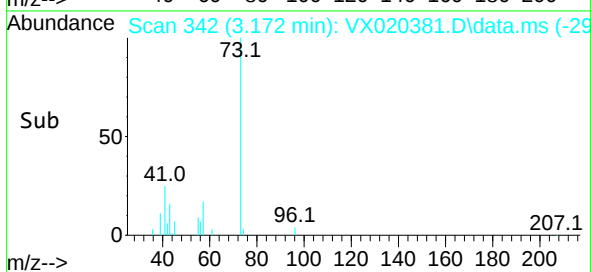
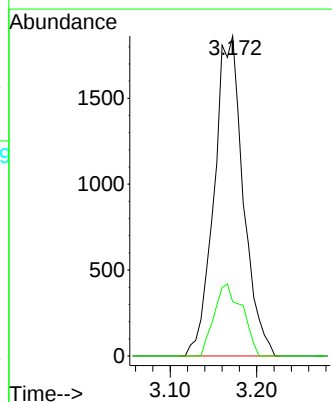
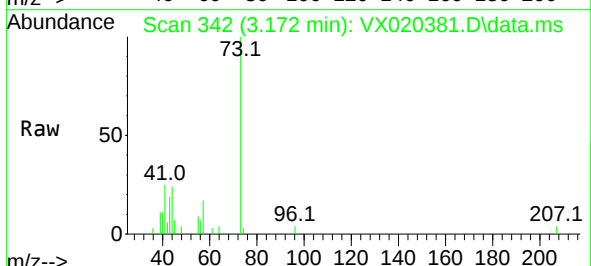


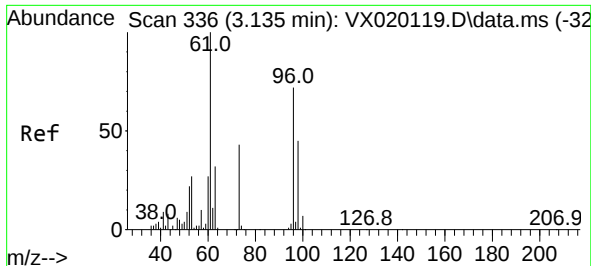
Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 27.8 27.8 41.8#



#19
Methyl tert-butyl Ether
Concen: 0.45 ug/l
RT: 3.172 min Scan# 342
Delta R.T. 0.012 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

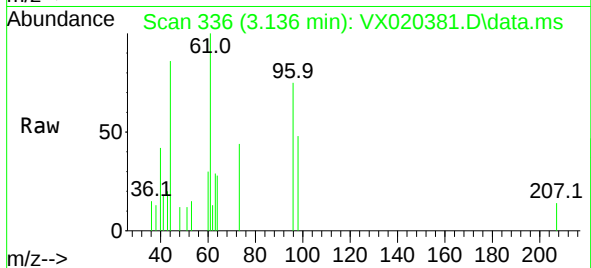
Tgt Ion: 73 Resp: 4343
Ion Ratio Lower Upper
73 100
57 17.0 17.1 25.7#



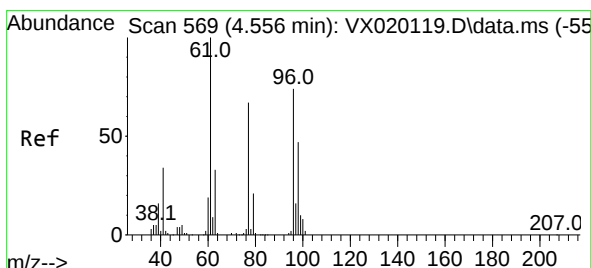
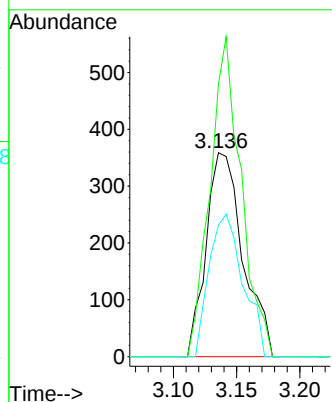
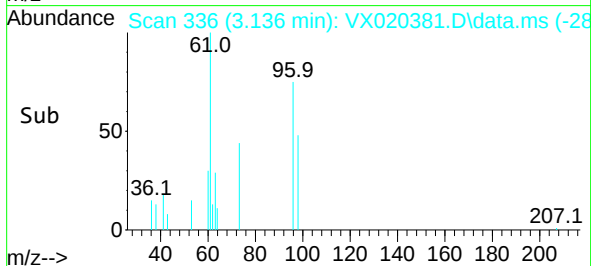


#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.136 min Scan# 336
Delta R.T. 0.001 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

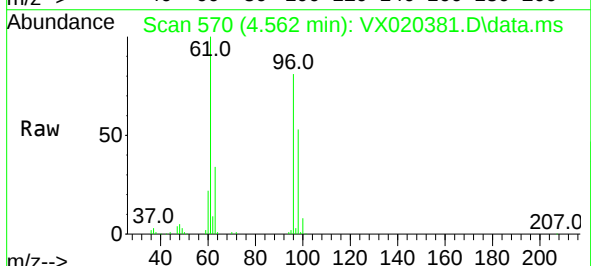
Instrument :
MSVOA_X
ClientSampleId :



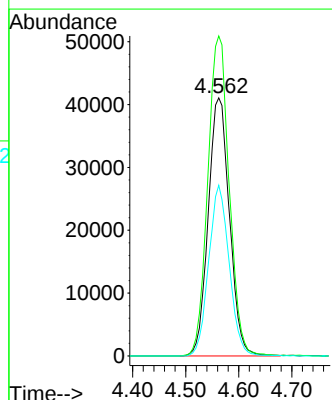
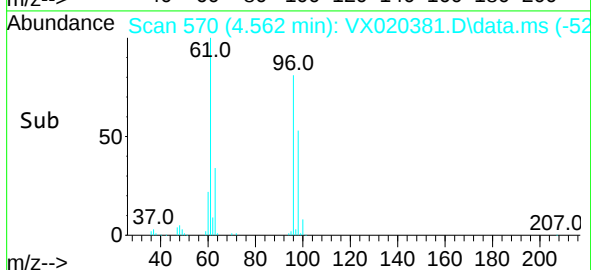
Tgt Ion: 96 Resp: 727
Ion Ratio Lower Upper
96 100
61 133.4 107.7 161.5
98 64.3 50.4 75.6

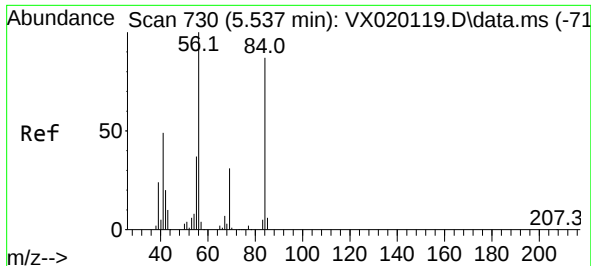


#27
cis-1,2-Dichloroethene
Concen: 32.54 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39



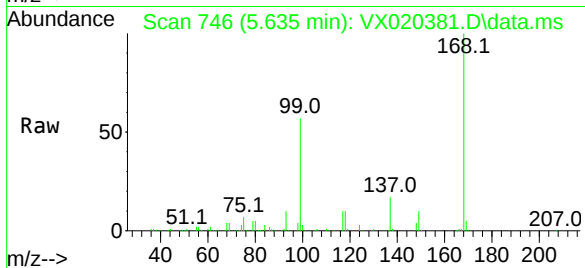
Tgt Ion: 96 Resp: 114334
Ion Ratio Lower Upper
96 100
61 124.9 0.0 285.6
98 63.8 0.0 129.6



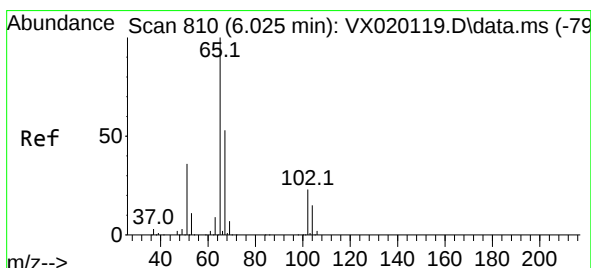
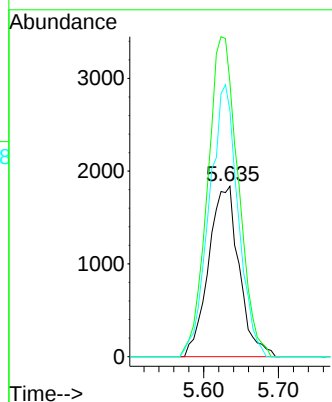
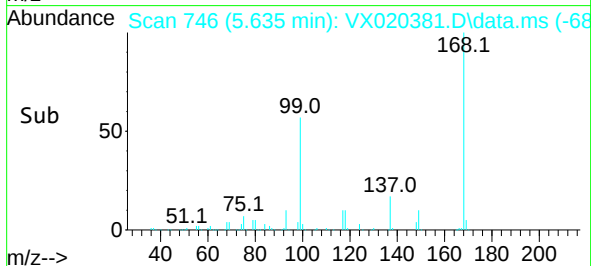


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.635 min Scan# 746
Delta R.T. 0.098 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

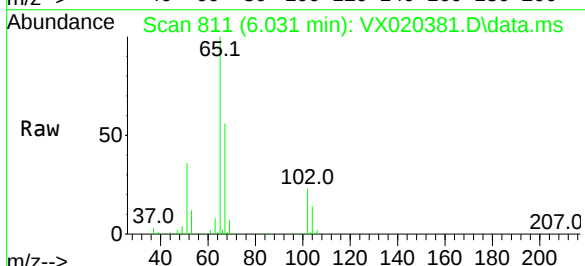
Instrument :
MSVOA_X
ClientSampleId :



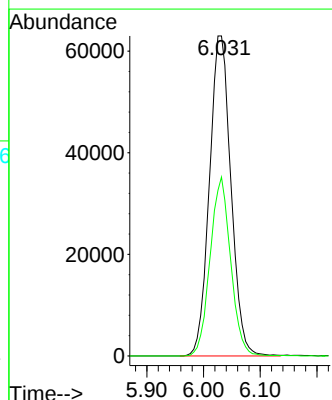
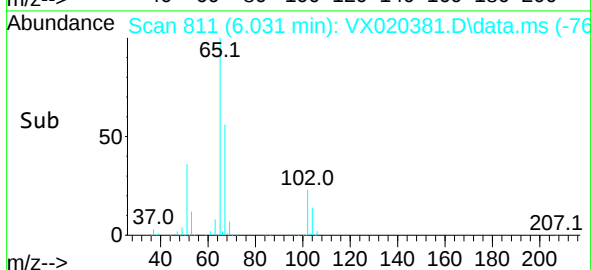
Tgt Ion: 56 Resp: 5221
Ion Ratio Lower Upper
56 100
69 160.7 25.3 37.9#
84 144.3 71.4 107.0#

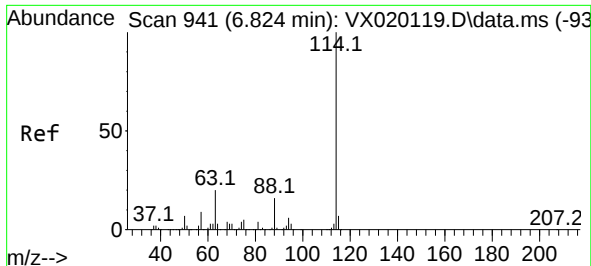


#33
1,2-Dichloroethane-d4
Concen: 49.30 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39



Tgt Ion: 65 Resp: 165966
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4

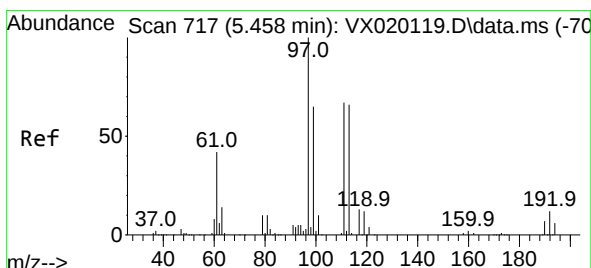
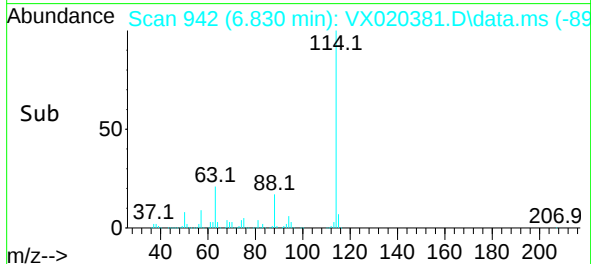
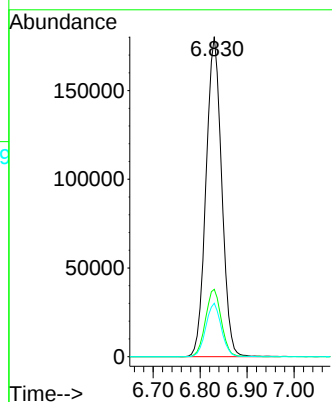
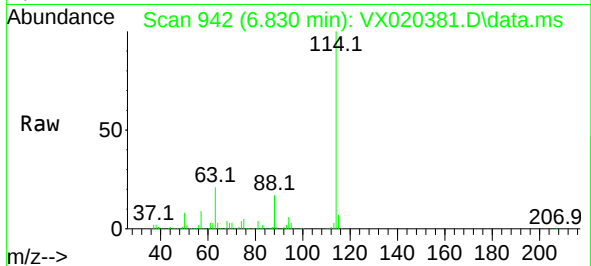




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

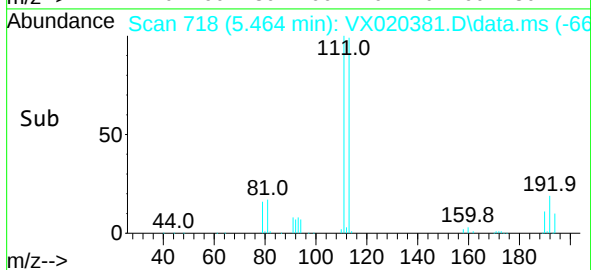
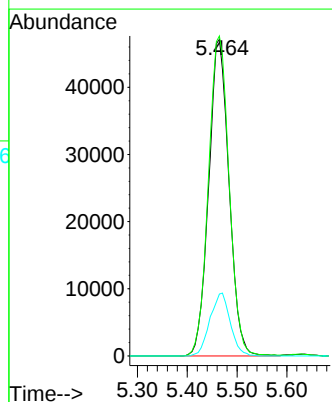
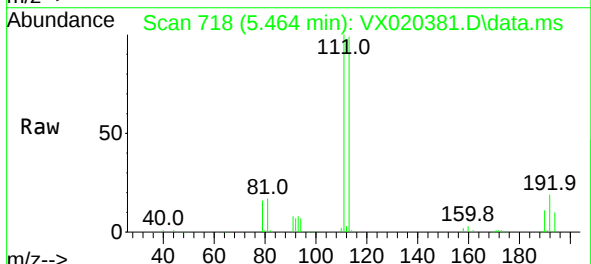
Instrument :
MSVOA_X
ClientSampled :

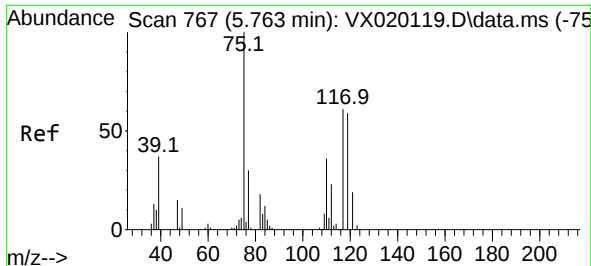
Tgt Ion:114 Resp: 415888
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Tgt Ion:113 Resp: 133387
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.9 16.7 25.1

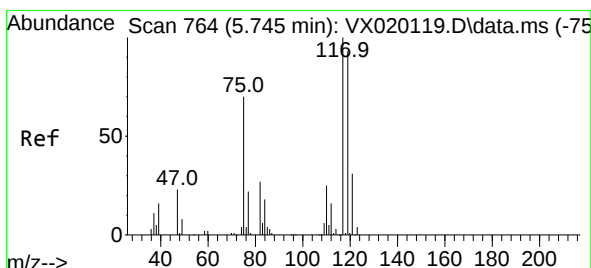
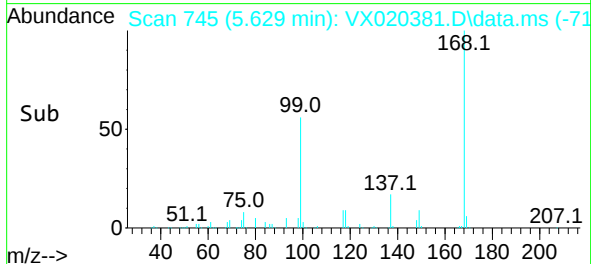
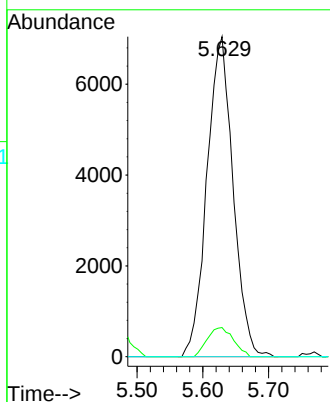
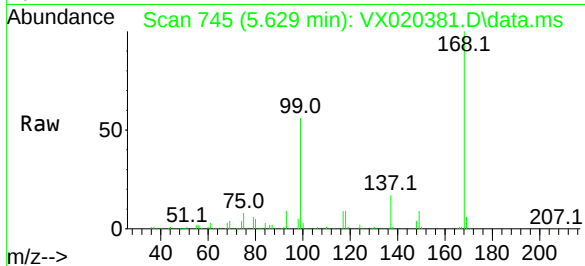




#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

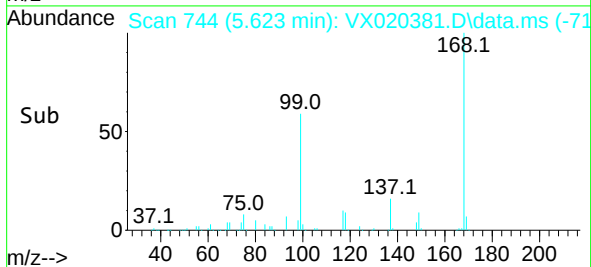
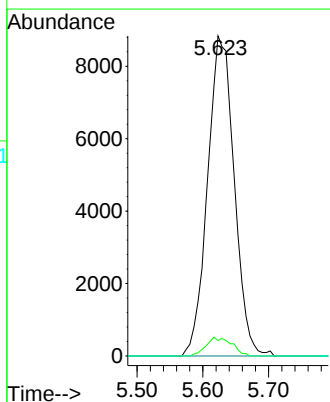
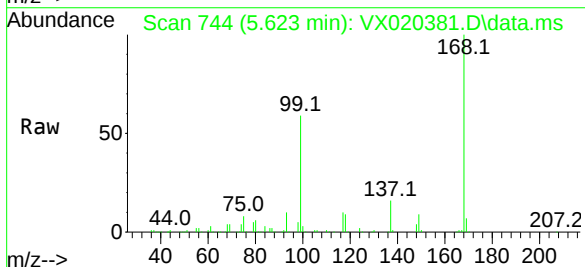
Instrument :
MSVOA_X
ClientSampled :

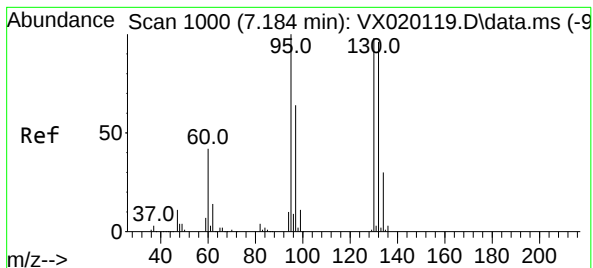
Tgt Ion: 75 Resp: 19453
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 117 Resp: 24913
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#





#44

Trichloroethene

Concen: 111.80 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VX020381.D

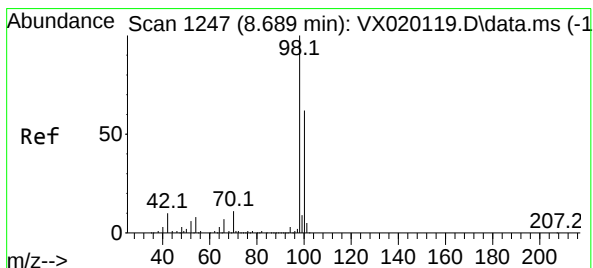
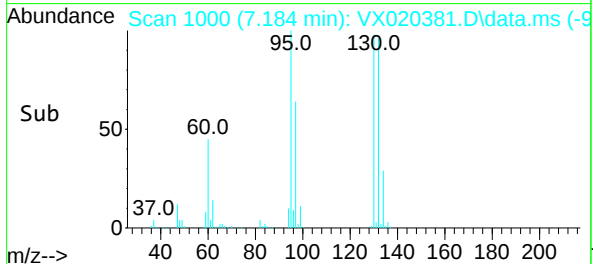
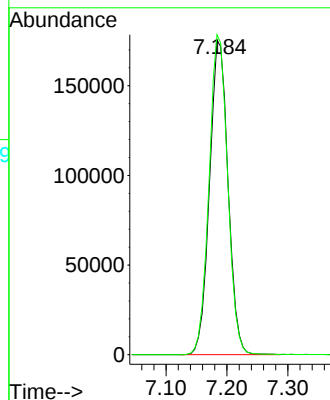
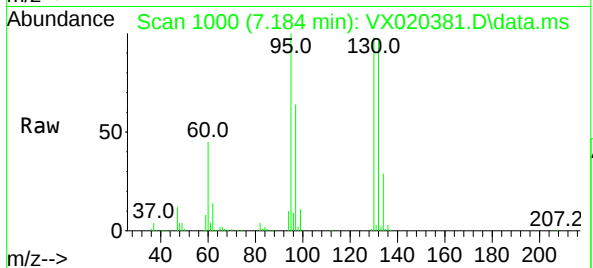
Acq: 24 Dec 2020 12:39

Tgt Ion:130 Resp: 369764

Ion Ratio Lower Upper

130 100

95 101.8 0.0 198.0



#50

Toluene-d8

Concen: 49.45 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VX020381.D

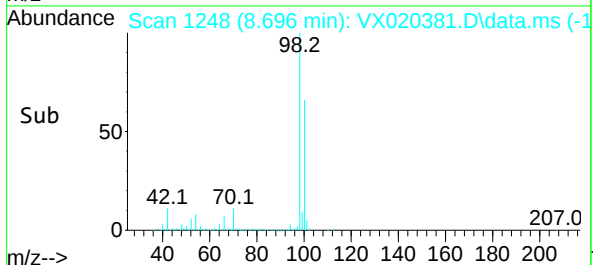
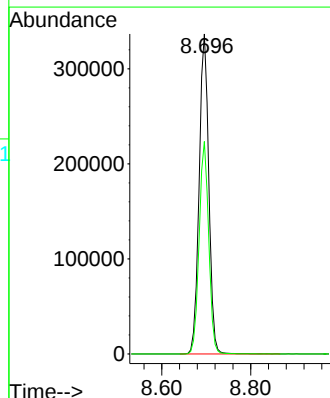
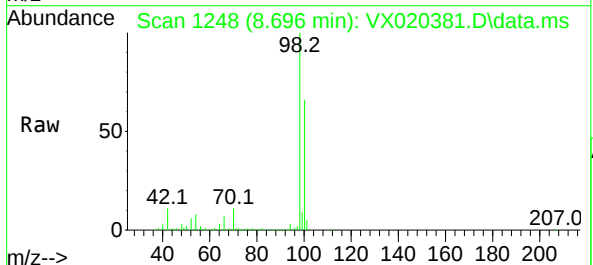
Acq: 24 Dec 2020 12:39

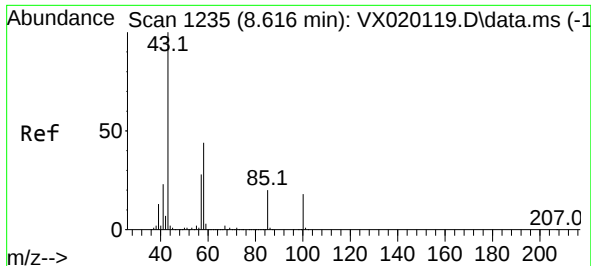
Tgt Ion: 98 Resp: 506404

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9

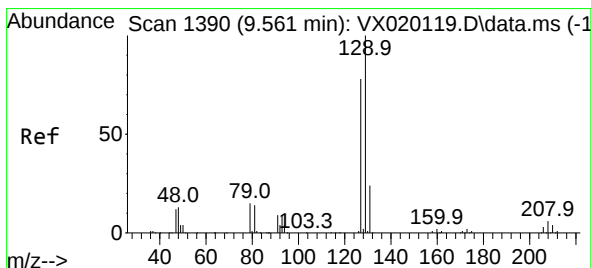
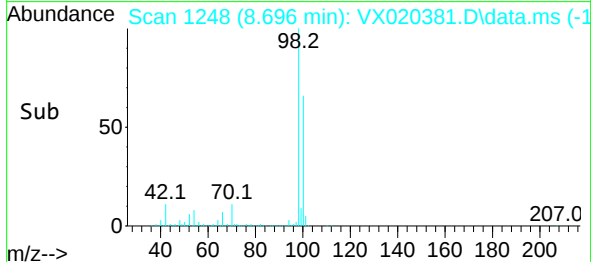
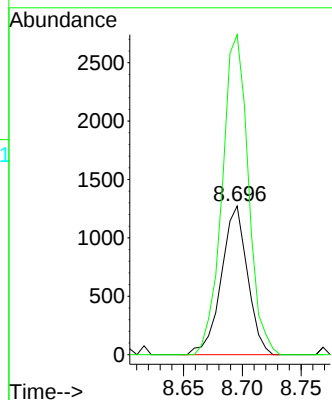
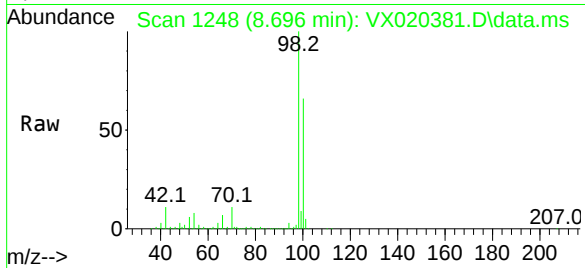




#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

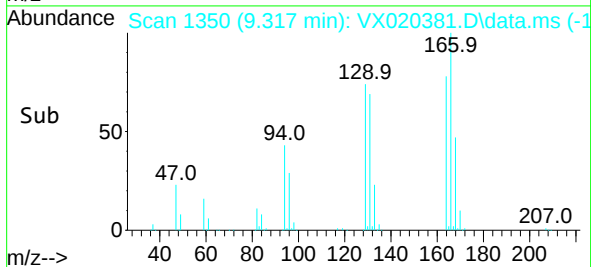
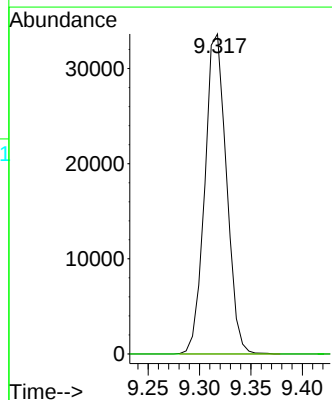
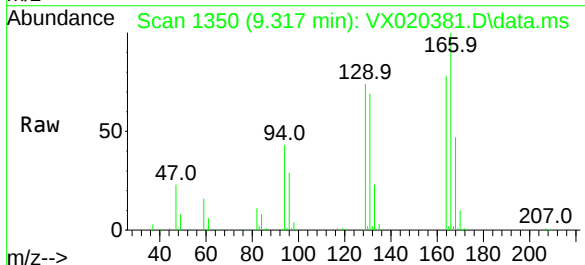
Instrument :
MSVOA_X
ClientSampled :

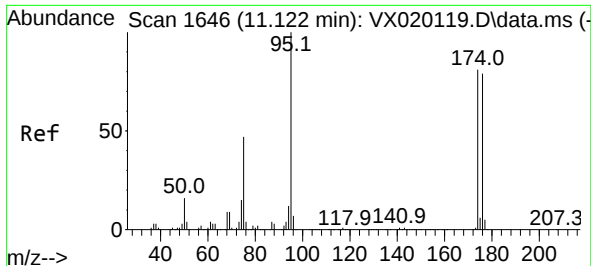
Tgt Ion: 43 Resp: 1969
Ion Ratio Lower Upper
43 100
58 215.7 35.4 53.0#



#60
Dibromochloromethane
Concen: 15.43 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Tgt Ion: 129 Resp: 49309
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

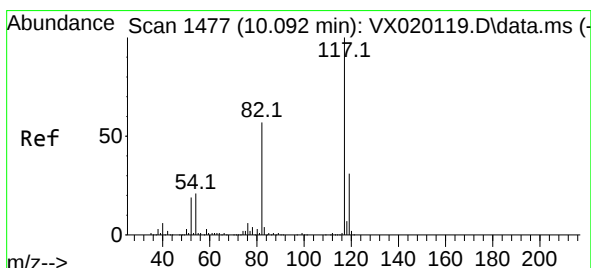
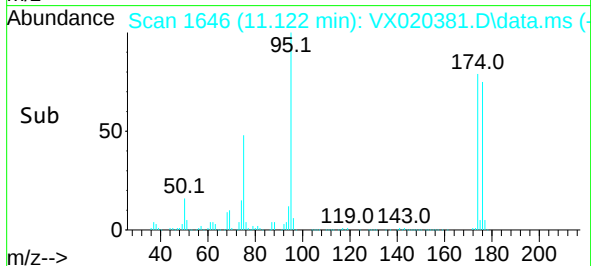
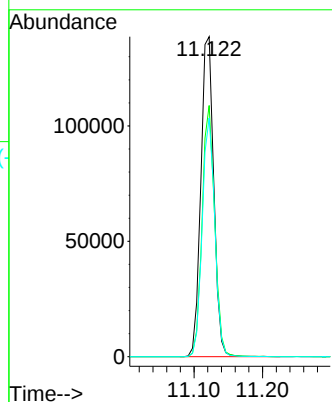
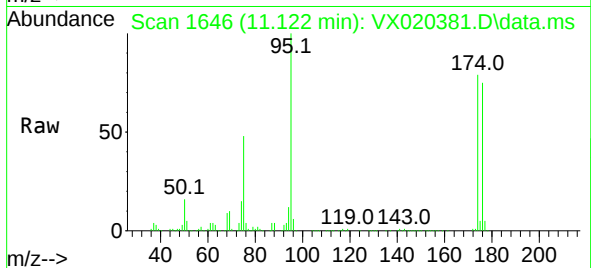




#62
4-Bromofluorobenzene
Concen: 46.47 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

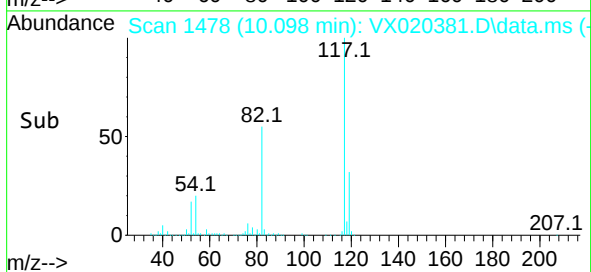
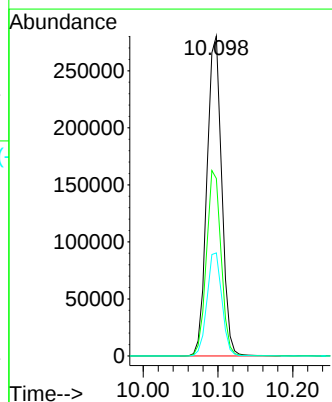
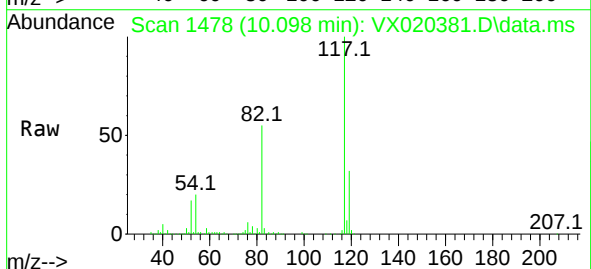
Instrument :
MSVOA_X
ClientSampled :

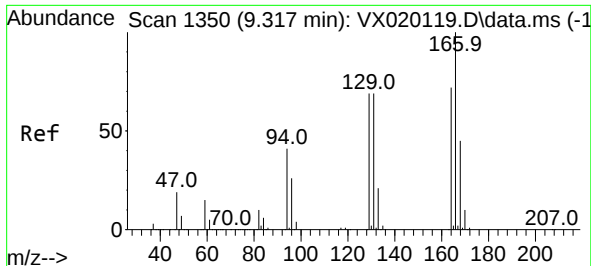
Tgt Ion: 95 Resp: 182153
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.6
176 72.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

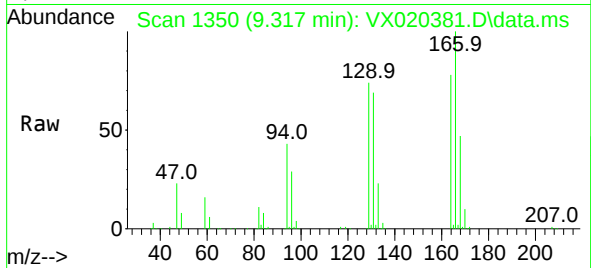
Tgt Ion: 117 Resp: 385229
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.2 26.6 39.8



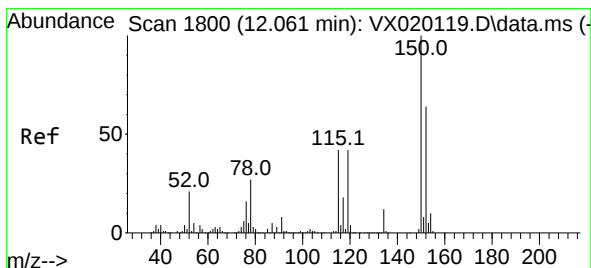
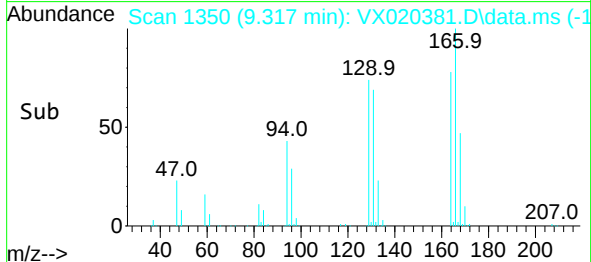
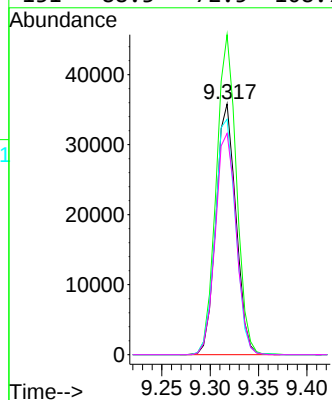


#64
Tetrachloroethene
Concen: 17.67 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Instrument :
MSVOA_X
ClientSampled :

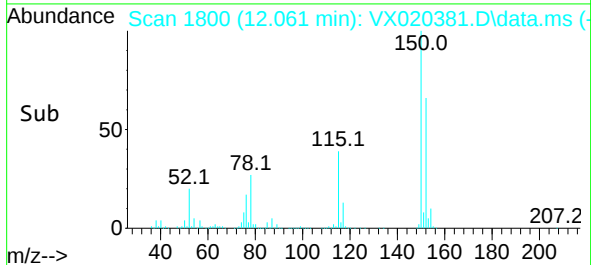
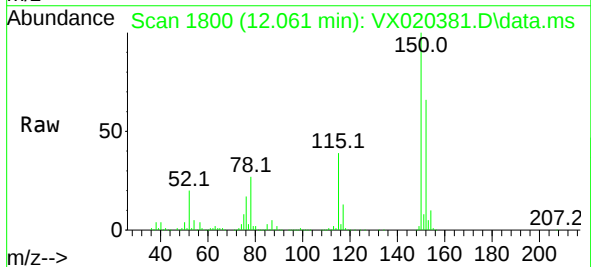
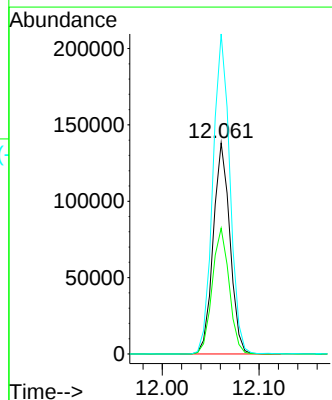


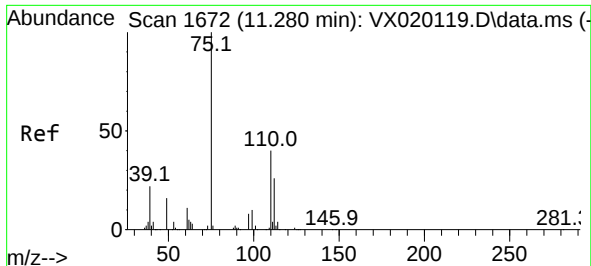
Tgt Ion:	164	Resp:	51297
Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.4	155.2
129	93.9	70.8	106.2
131	88.3	72.5	108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

Tgt Ion:	152	Resp:	165532
Ion	Ratio	Lower	Upper
152	100		
115	60.3	41.1	123.3
150	154.7	0.0	349.0

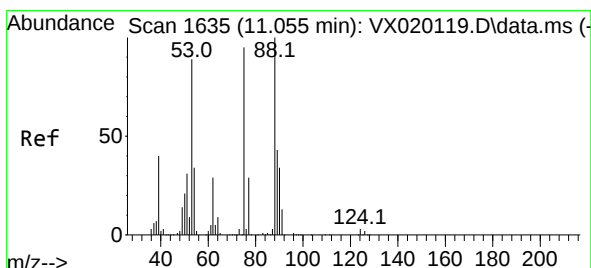
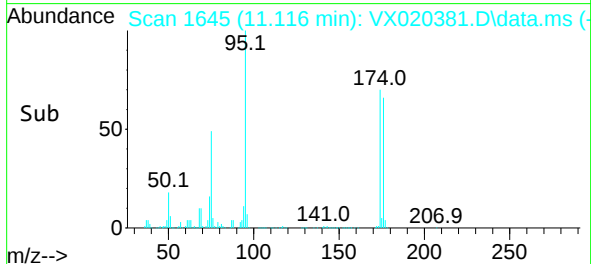
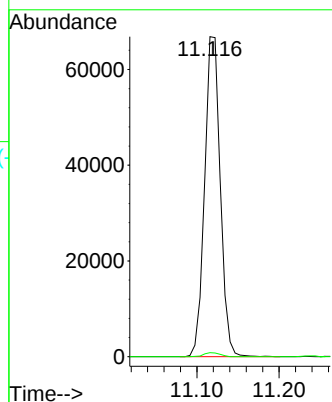
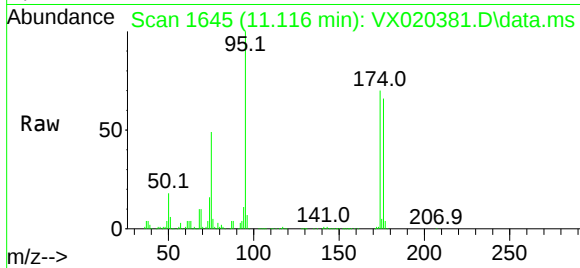




#76
1,2,3-Trichloropropane
Concen: 21.71 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

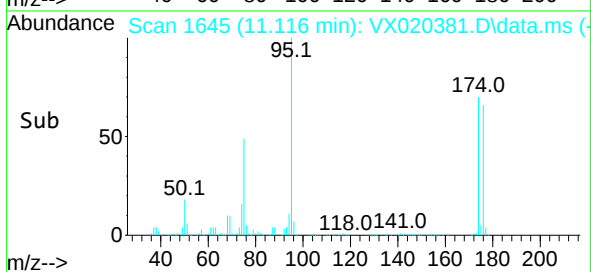
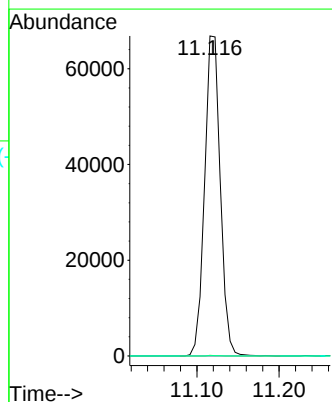
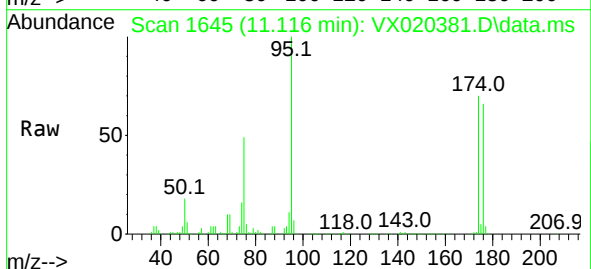
Instrument :
MSVOA_X
ClientSampled :

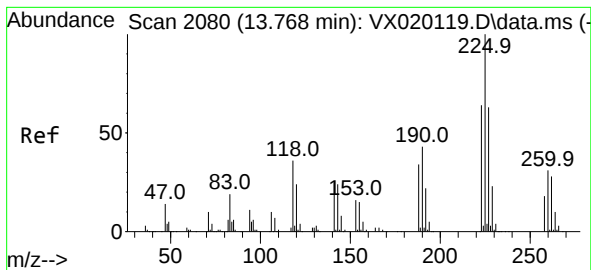
Tgt Ion: 75 Resp: 88515
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.40 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020381.D
Acq: 24 Dec 2020 12:39

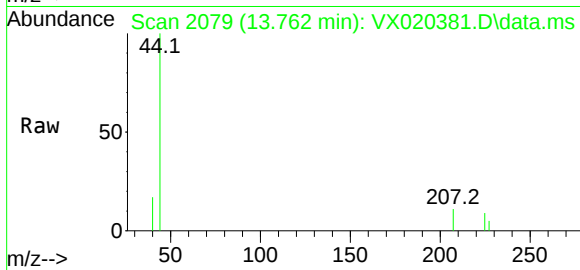
Tgt Ion: 75 Resp: 88515
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.68 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020381.D
 Acq: 24 Dec 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:225 Resp: 64
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 31.3 31.6 95.0#

