

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020391.D
 Acq On : 24 Dec 2020 16:33
 Operator : JC/MD
 Sample : L5123-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:14:44 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)

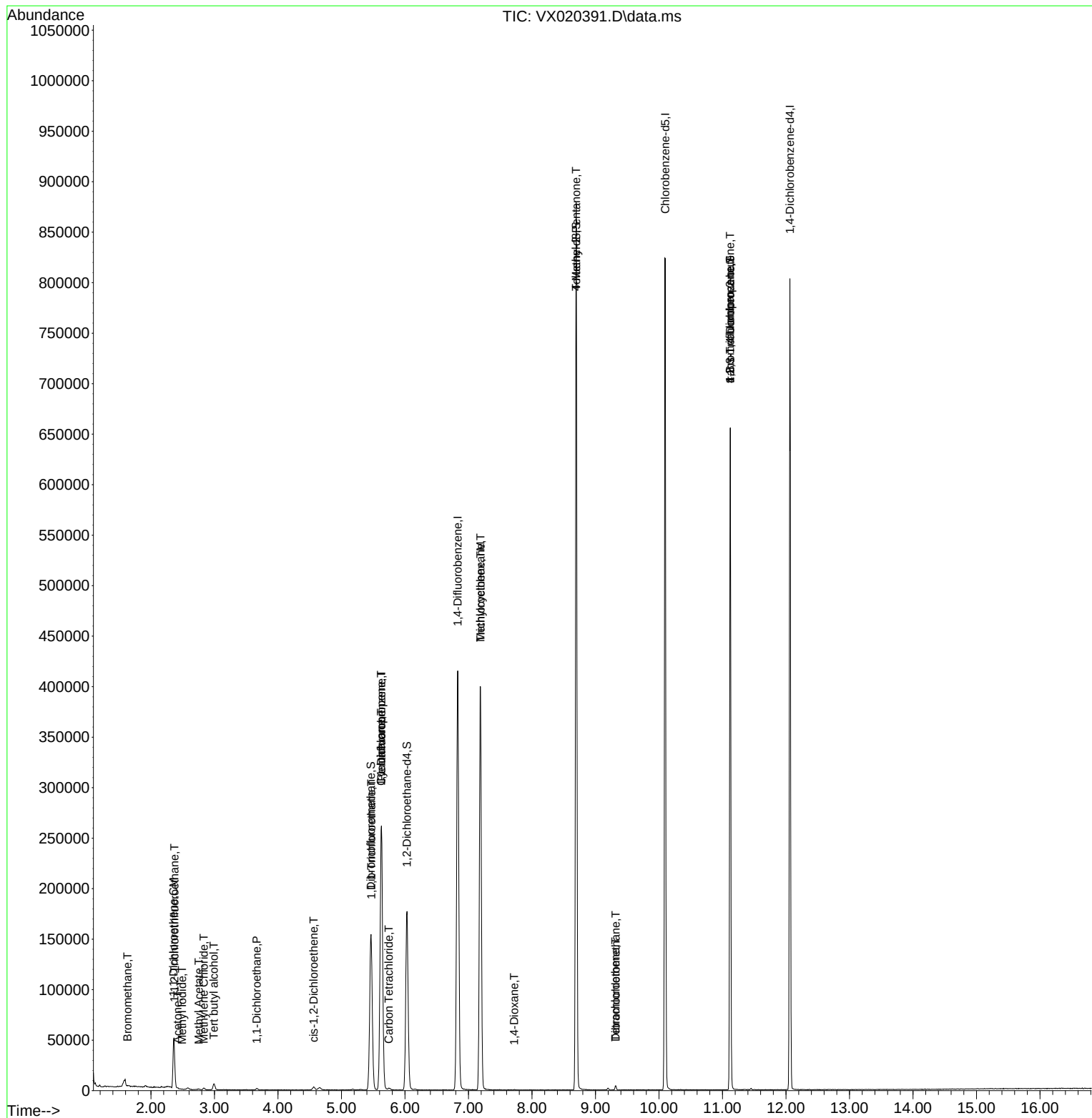
Internal Standards						
1) Pentafluorobenzene	5.629	168	246762	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	415427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	387036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	163072	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	167067	50.51	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.02%			
35) Dibromofluoromethane	5.465	113	134170	50.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.98%			
50) Toluene-d8	8.696	98	506858	49.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.10%			
62) 4-Bromofluorobenzene	11.122	95	175099	44.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.44%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	314	0.29	ug/l #	34
9) 1,1,2-Trichlorotrifluo...	2.368	101	12658	5.14	ug/l	98
10) Methyl Iodide	2.489	142	137	3.32	ug/l #	42
11) Tert butyl alcohol	2.989	59	3781	5.10	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	8298	3.29	ug/l	98
16) Acetone	2.416	43	1157	0.77	ug/l #	81
18) Methyl Acetate	2.752	43	883	0.26	ug/l #	81
20) Methylene Chloride	2.831	84	813	0.24	ug/l	93
24) 1,1-Dichloroethane	3.666	63	1900	0.35	ug/l #	94
27) cis-1,2-Dichloroethene	4.562	96	1874	0.54	ug/l	95
31) Cyclohexane	5.623	56	5049	1.11	ug/l #	1
32) 1,1,1-Trichloroethane	5.471	97	1679	0.37	ug/l #	50
36) 1,1-Dichloropropene	5.623	75	19176	4.67	ug/l #	49
38) Carbon Tetrachloride	5.745	117	1296	0.33	ug/l	89
39) Methylcyclohexane	7.190	83	1948	0.41	ug/l #	1
44) Trichloroethene	7.190	130	157134	47.56	ug/l	99
49) 1,4-Dioxane	7.720	88	207	2.68	ug/l #	81
51) 4-Methyl-2-Pentanone	8.696	43	2104	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	775	0.24	ug/l #	11
64) Tetrachloroethene	9.311	164	862	0.30	ug/l #	92
76) 1,2,3-Trichloropropane	11.122	75	85231	21.22	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	85231	62.95	ug/l #	12

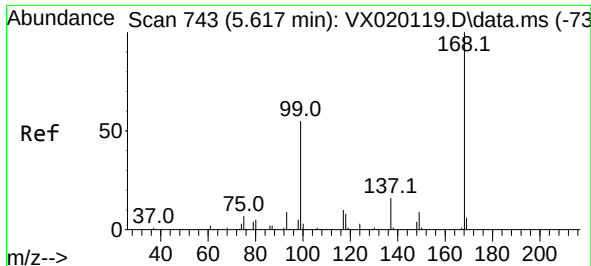
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 25 01:14:44 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

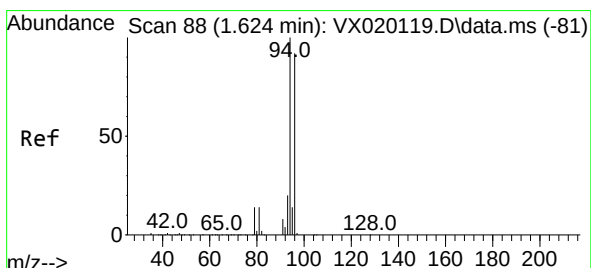
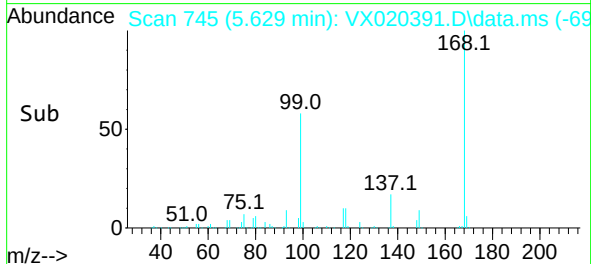
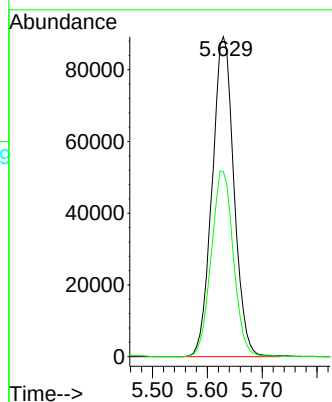
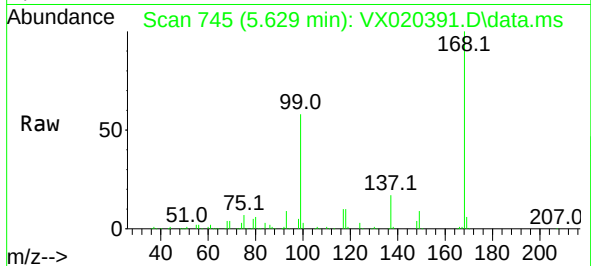




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

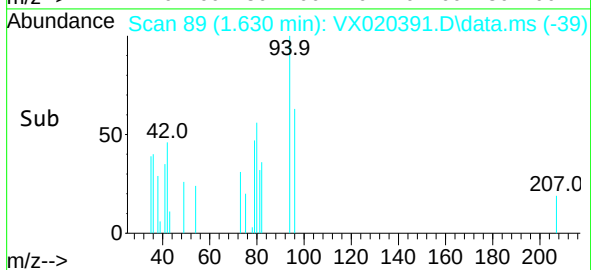
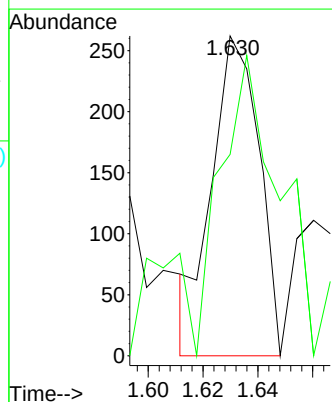
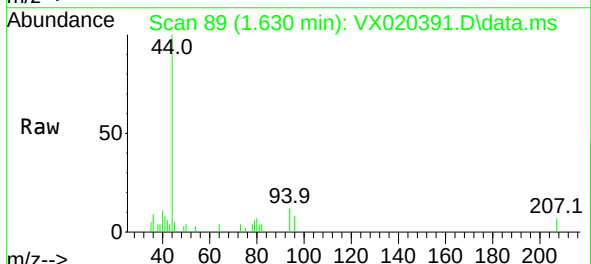
Instrument :
MSVOA_X
ClientSampled :

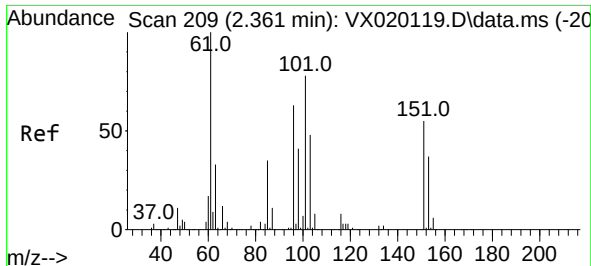
Tgt Ion:168 Resp: 246762
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.29 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 30.9 76.4 114.6#

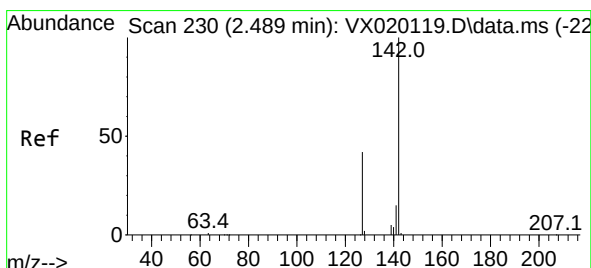
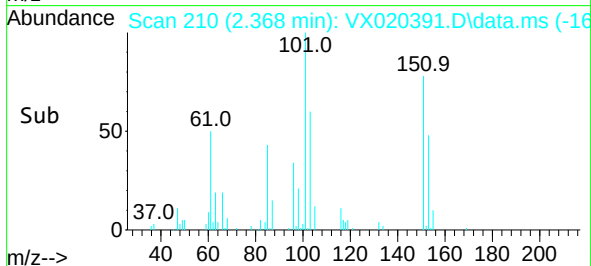
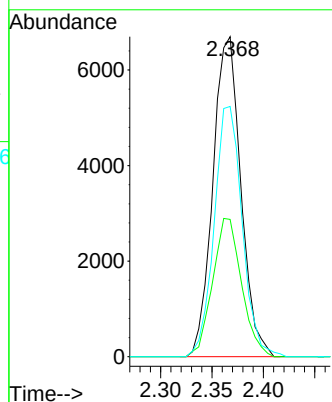
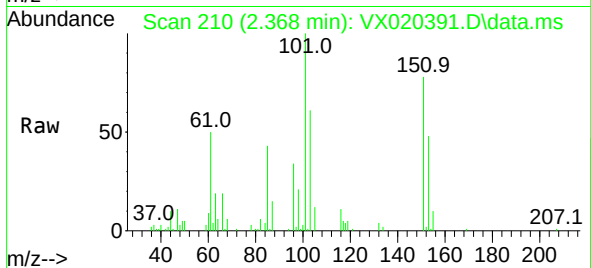




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.14 ug/l
RT: 2.368 min Scan# 210
Delta R.T. 0.007 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

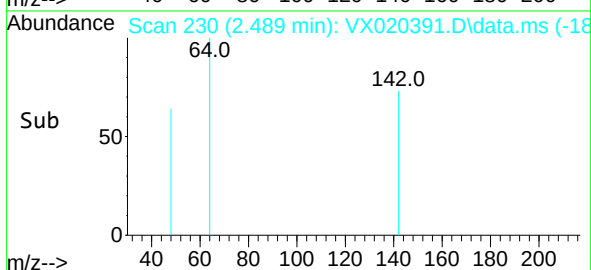
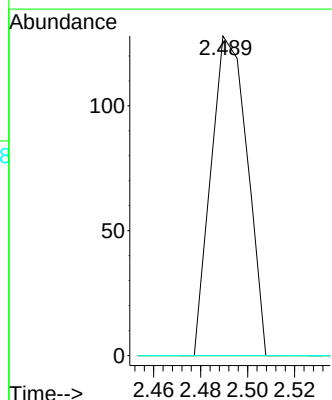
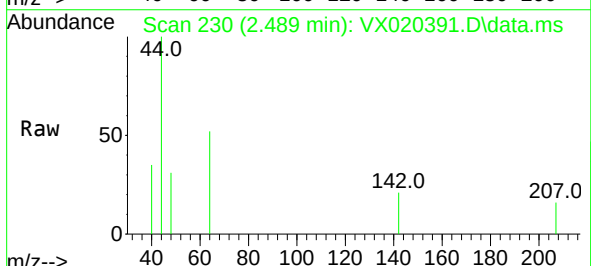
Instrument :
MSVOA_X
ClientSampled :

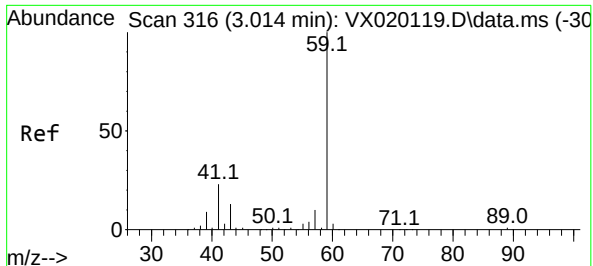
Tgt Ion:101 Resp: 12658
Ion Ratio Lower Upper
101 100
85 44.7 34.9 52.3
151 78.4 61.4 92.2



#10
Methyl Iodide
Concen: 3.32 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



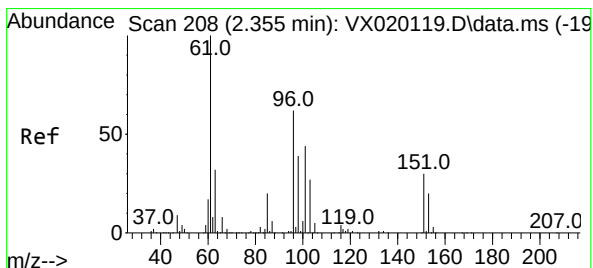
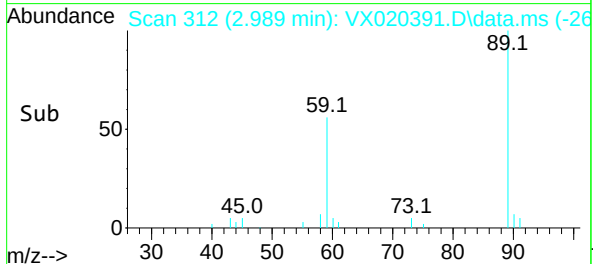
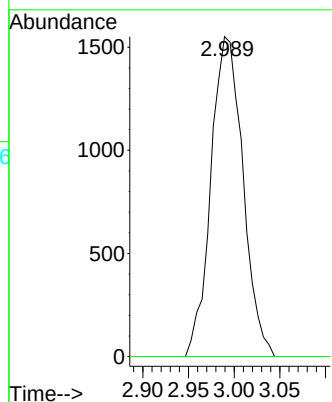
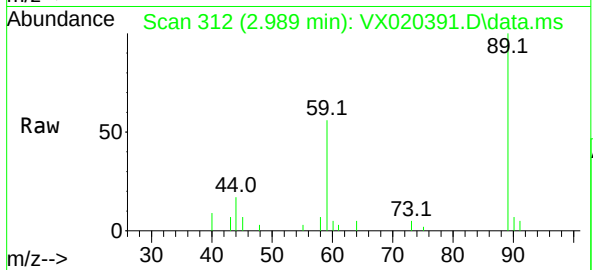


#11

Tert butyl alcohol
Concen: 5.10 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Instrument :
MSVOA_X
ClientSampled :

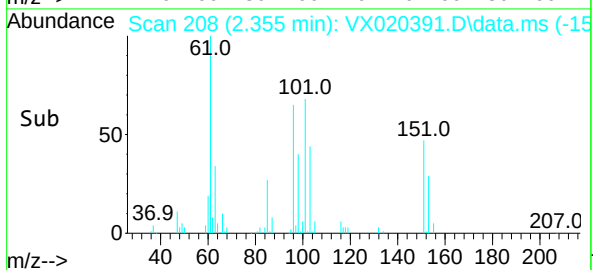
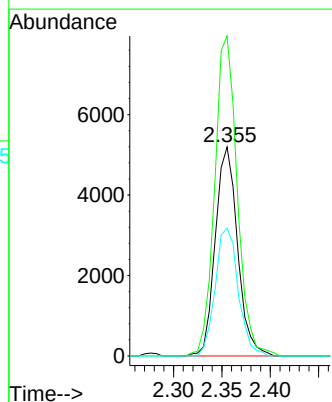
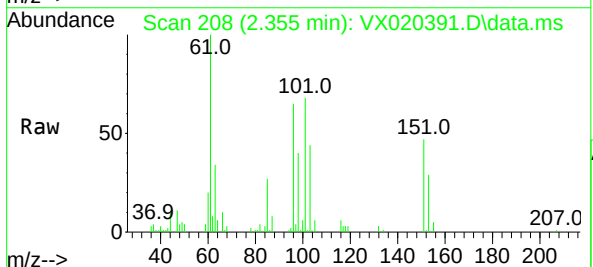
Tgt Ion: 59 Resp: 3781
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

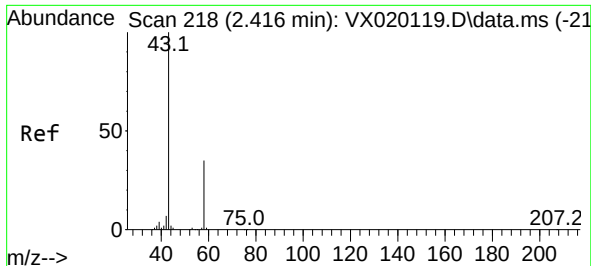


#12

1,1-Dichloroethene
Concen: 3.29 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 96 Resp: 8298
Ion Ratio Lower Upper
96 100
61 153.1 124.6 187.0
98 61.1 50.6 76.0

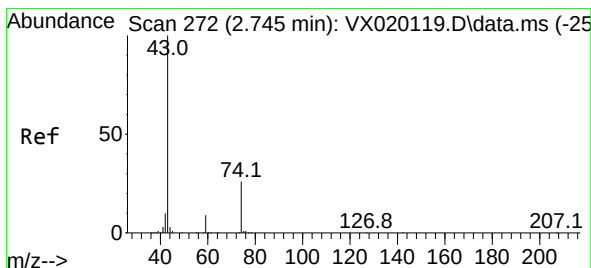
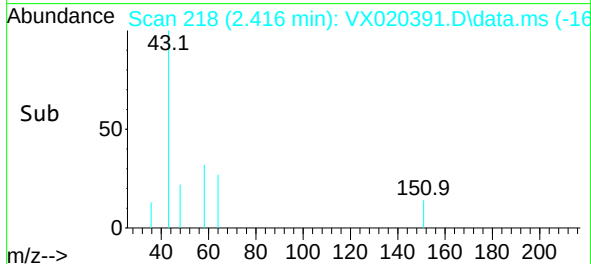
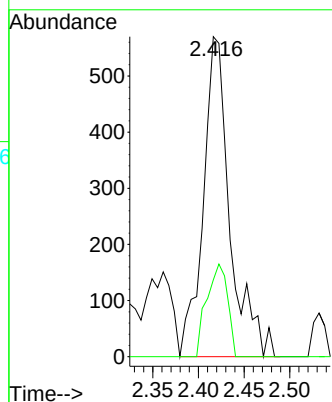
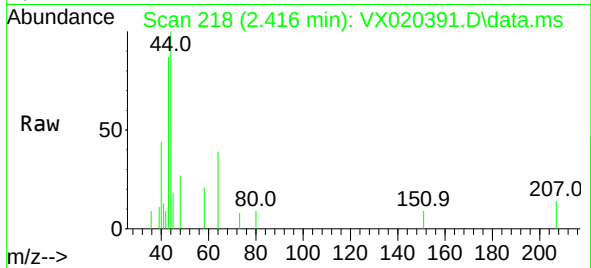




#16
Acetone
Concen: 0.77 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

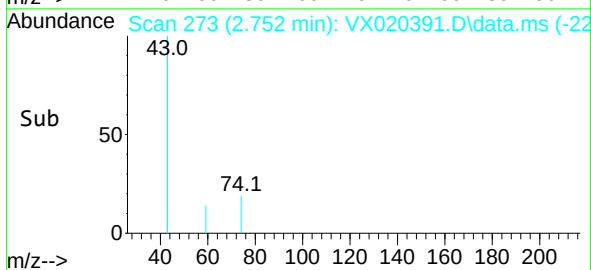
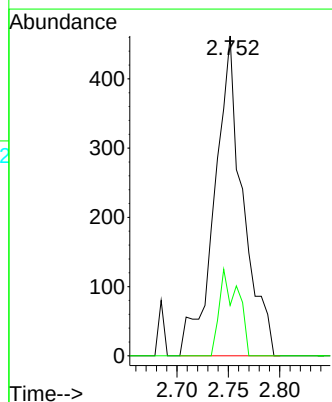
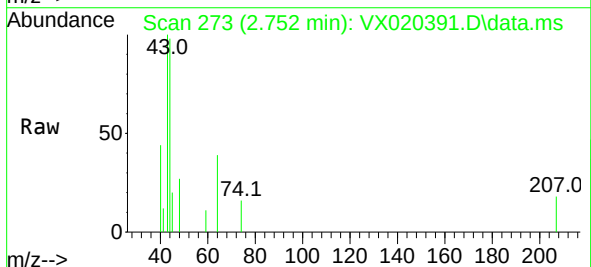
Instrument :
MSVOA_X
ClientSampleId :

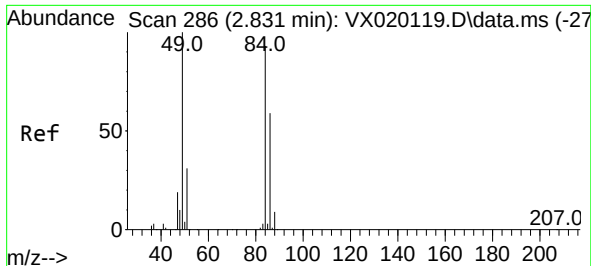
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 24.0 27.8 41.8#



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.007 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

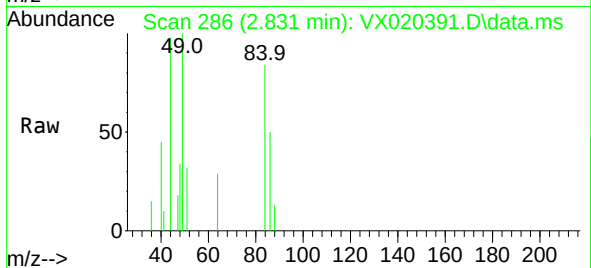
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
74 17.7 21.9 32.9#





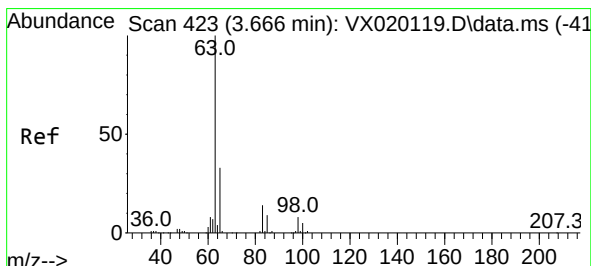
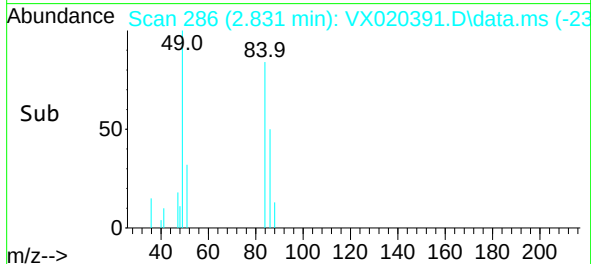
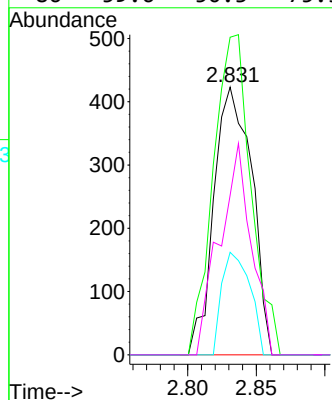
#20
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 813

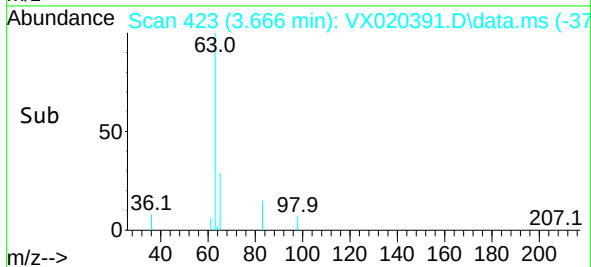
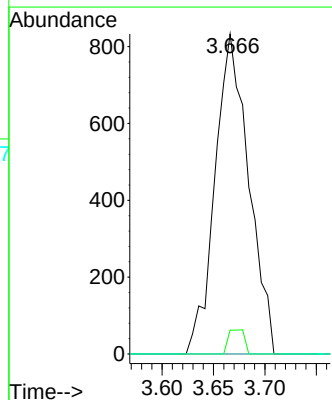
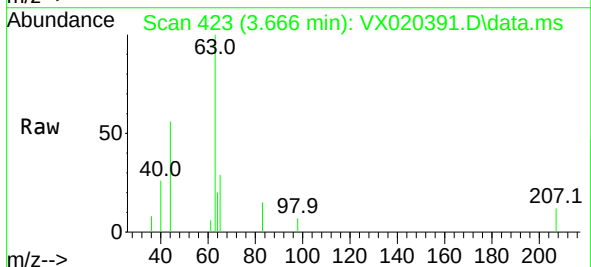
Ion	Ratio	Lower	Upper
84	100		
49	118.7	88.6	132.8
51	38.3	27.0	40.6
86	59.6	50.3	75.5

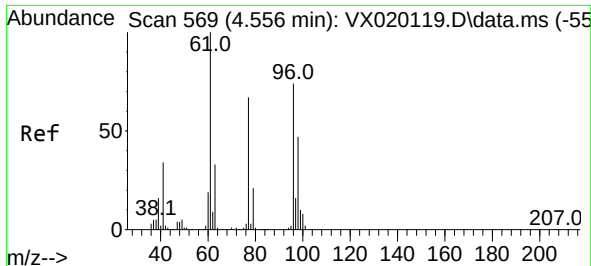


#24
1,1-Dichloroethane
Concen: 0.35 ug/l
RT: 3.666 min Scan# 423
Delta R.T. 0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 63 Resp: 1900

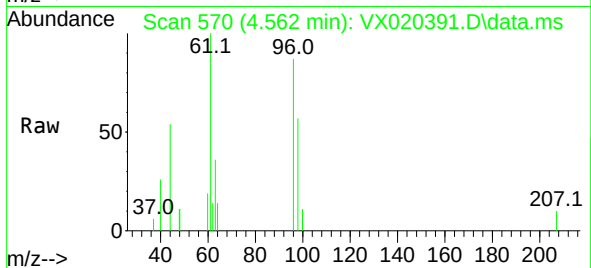
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.8	11.2
100	0.0	2.5	7.5#



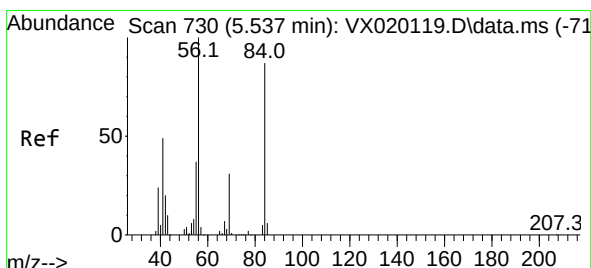
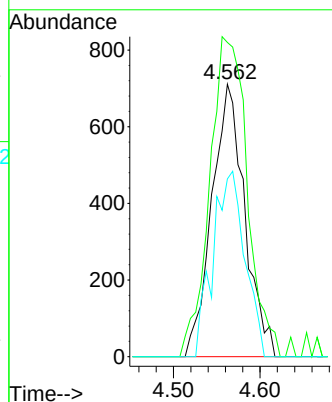
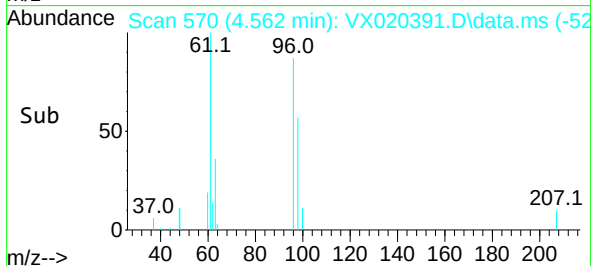


#27
cis-1,2-Dichloroethene
Concen: 0.54 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

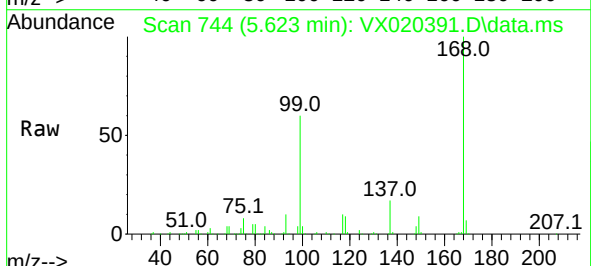
Instrument :
MSVOA_X
ClientSampleId :



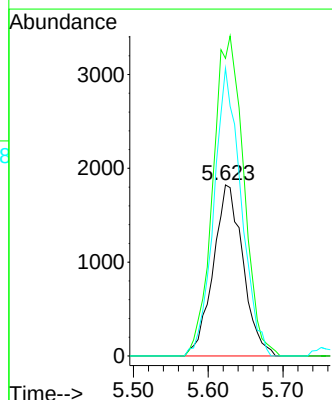
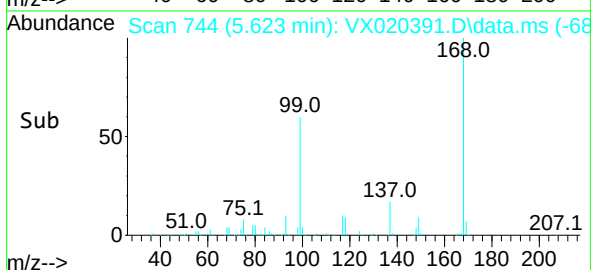
Tgt Ion: 96	Resp: 1874
Ion Ratio	Lower Upper
96	100
61	134.2 0.0 285.6
98	66.4 0.0 129.6

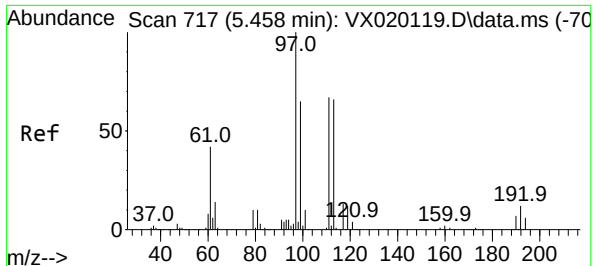


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33



Tgt Ion: 56	Resp: 5049
Ion Ratio	Lower Upper
56	100
69	174.1 25.3 37.9#
84	168.2 71.4 107.0#

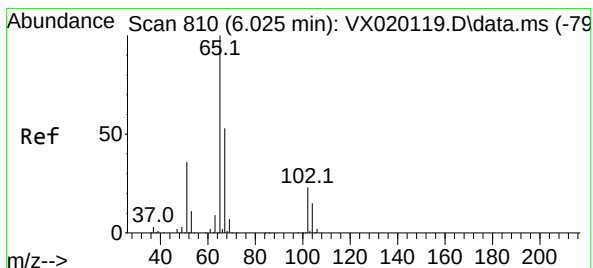
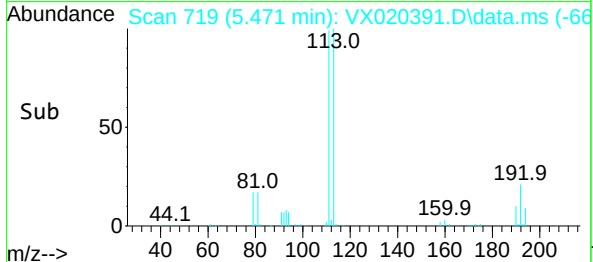
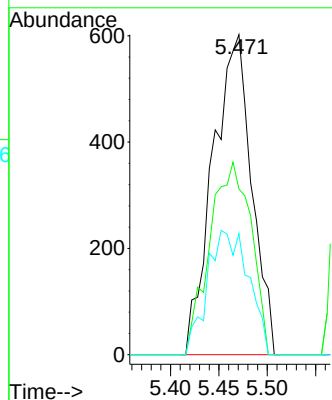
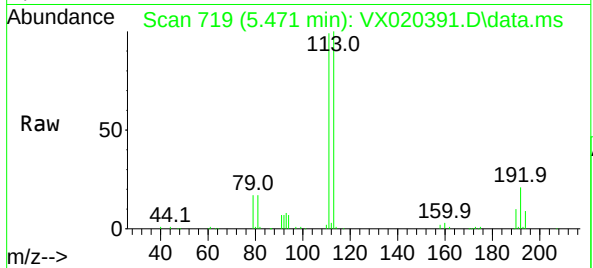




#32
1,1,1-Trichloroethane
Concen: 0.37 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.013 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

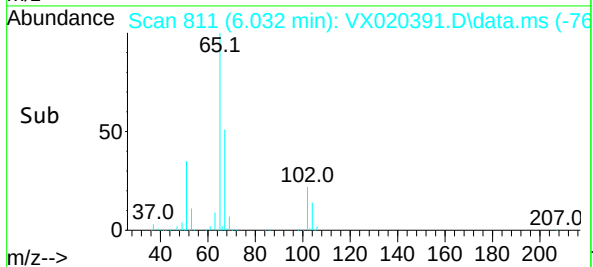
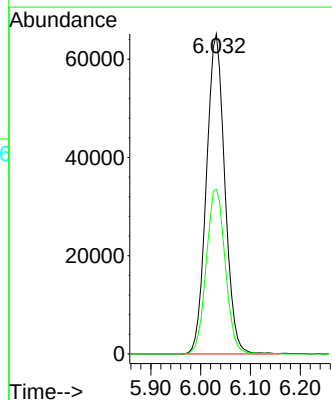
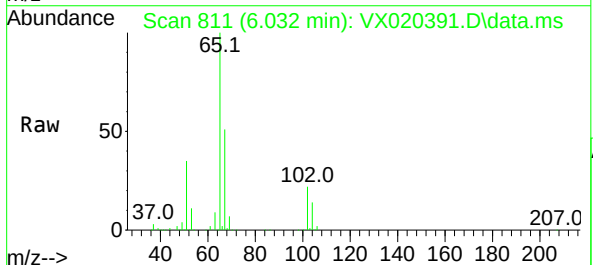
Instrument :
MSVOA_X
ClientSampleId :

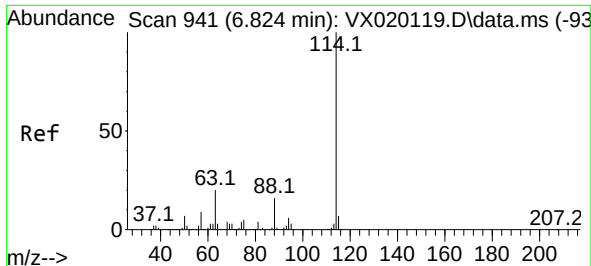
Tgt Ion: 97 Resp: 1679
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 41.2 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 50.51 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 65 Resp: 167067
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4

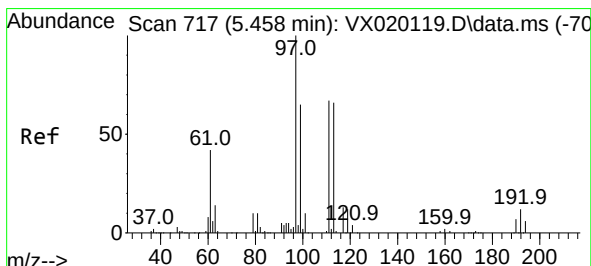
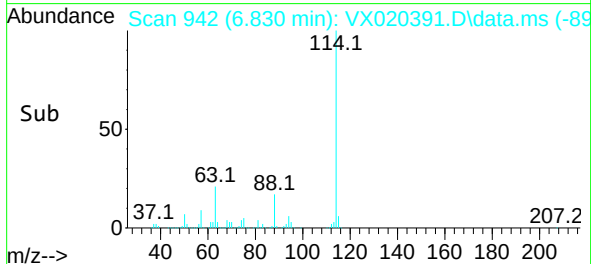
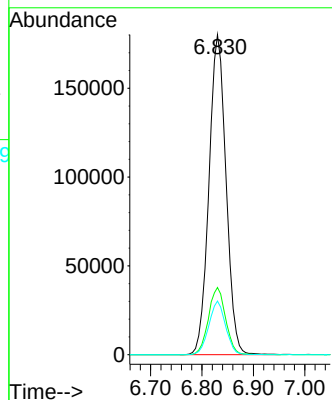
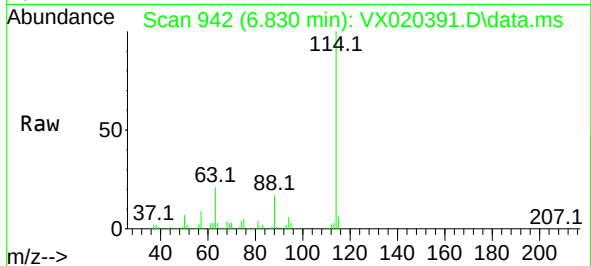




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

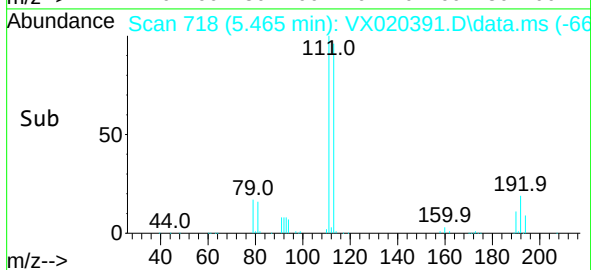
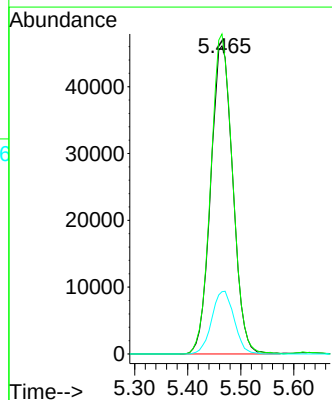
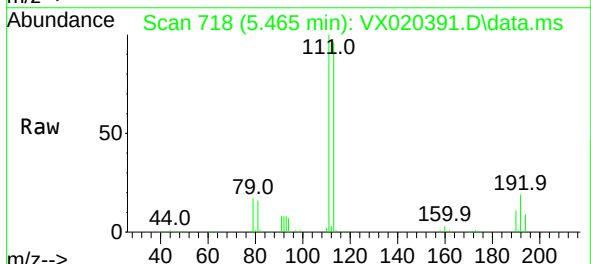
Instrument :
MSVOA_X
ClientSampled :

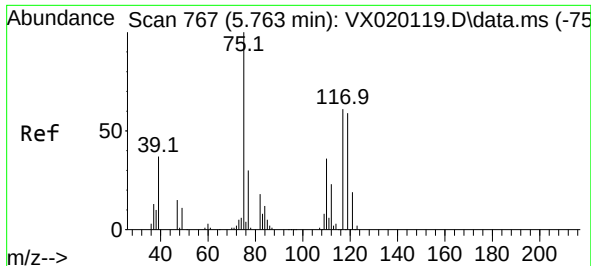
Tgt Ion:114 Resp: 415427
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.49 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.007 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

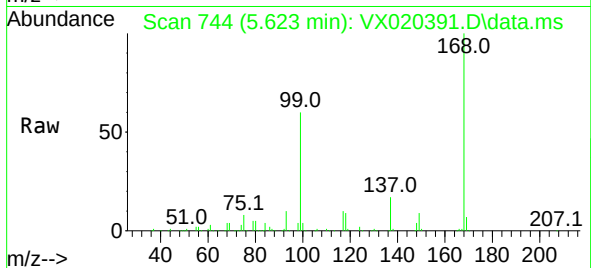
Tgt Ion:113 Resp: 134170
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 20.4 16.7 25.1



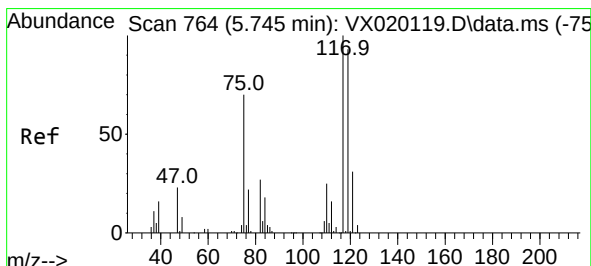
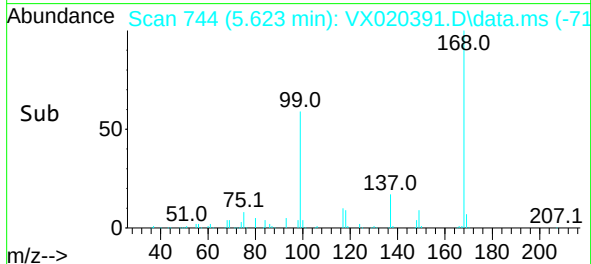
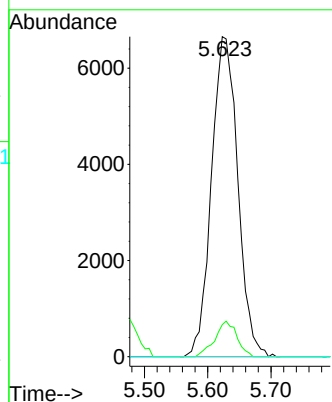


#36
1,1-Dichloropropene
Concen: 4.67 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Instrument :
MSVOA_X
ClientSampled :

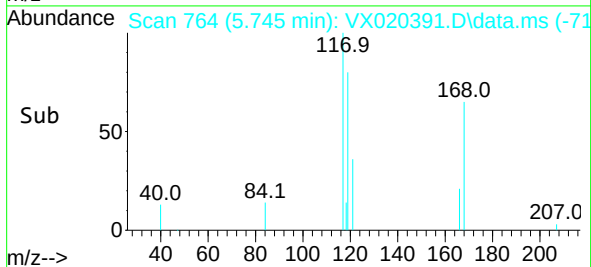
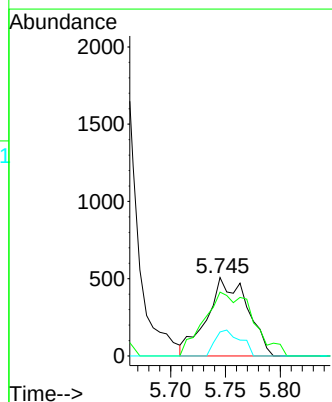
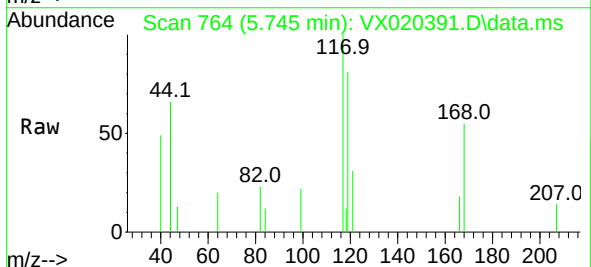


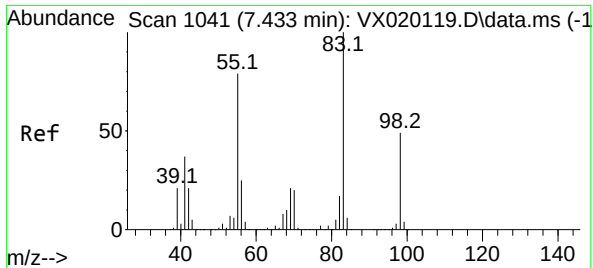
Tgt Ion: 75 Resp: 19176
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.33 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 117 Resp: 1296
Ion Ratio Lower Upper
117 100
119 81.3 76.2 114.2
121 30.5 24.8 37.2

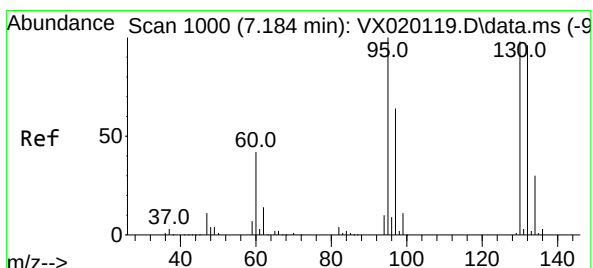
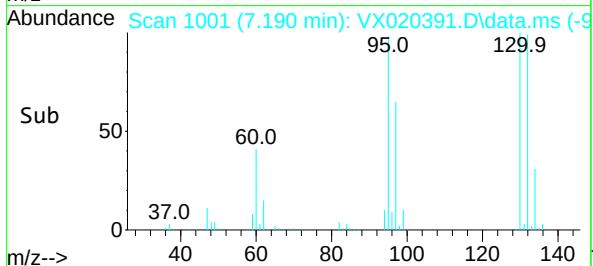
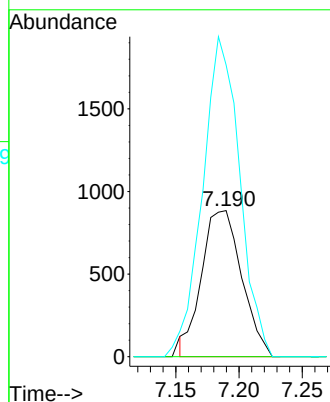
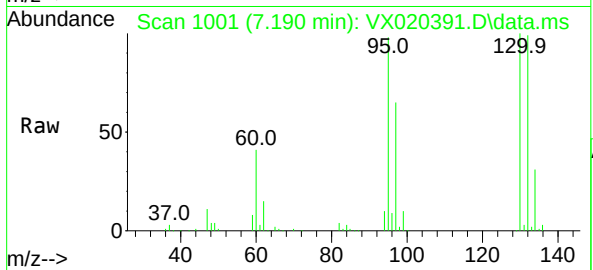




#39
Methylcyclohexane
Concen: 0.41 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. -0.243 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

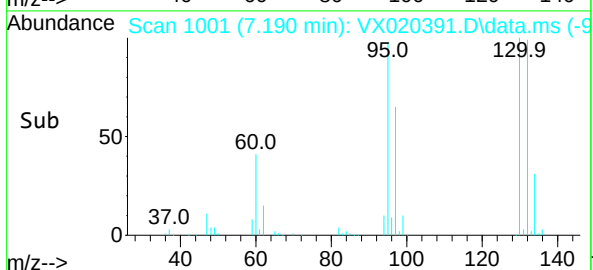
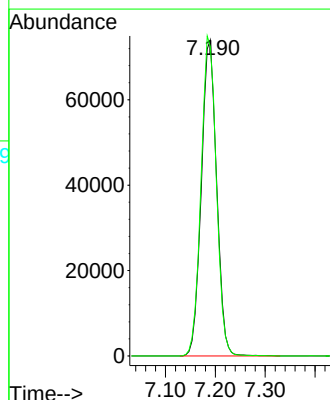
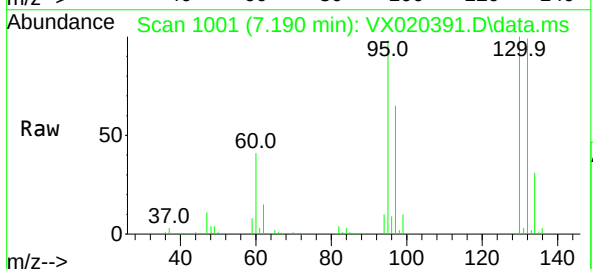
Instrument :
MSVOA_X
ClientSampled :

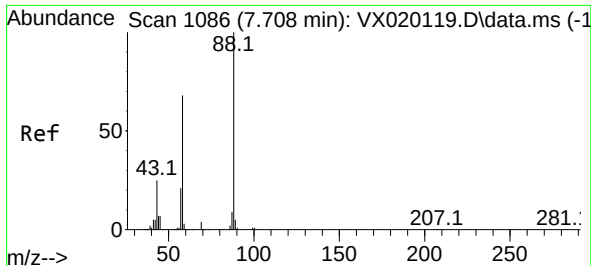
Tgt Ion: 83 Resp: 1948
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 199.8 38.1 57.1#



#44
Trichloroethene
Concen: 47.56 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion:130 Resp: 157134
Ion Ratio Lower Upper
130 100
95 97.9 0.0 198.0

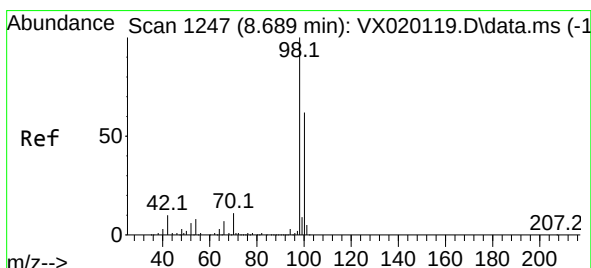
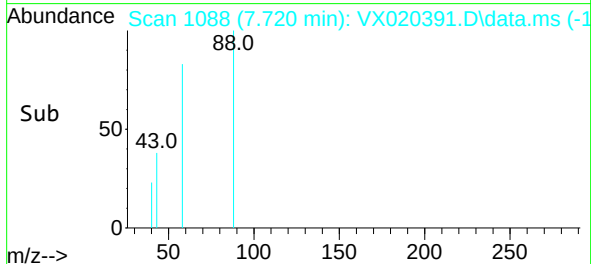
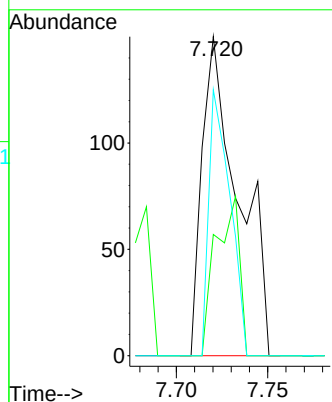
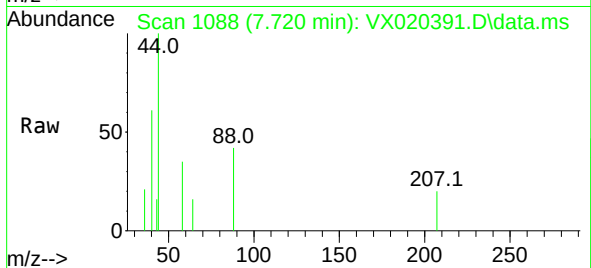




#49
1,4-Dioxane
Concen: 2.68 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

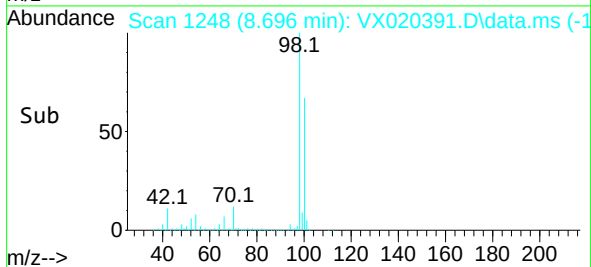
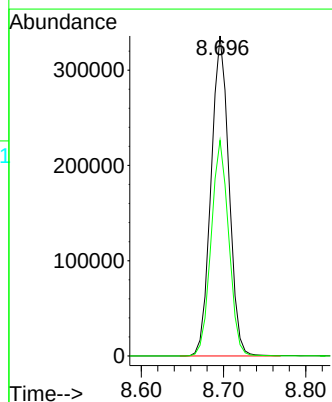
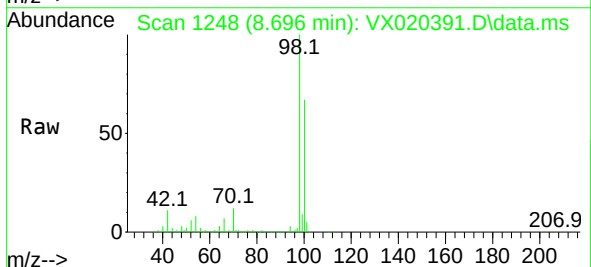
Instrument :
MSVOA_X
ClientSampled :

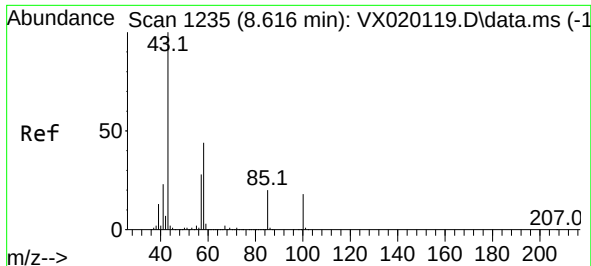
Tgt Ion: 88 Resp: 207
Ion Ratio Lower Upper
88 100
43 32.9 23.2 34.8
58 48.8 55.0 82.4#



#50
Toluene-d8
Concen: 49.55 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 98 Resp: 506858
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9

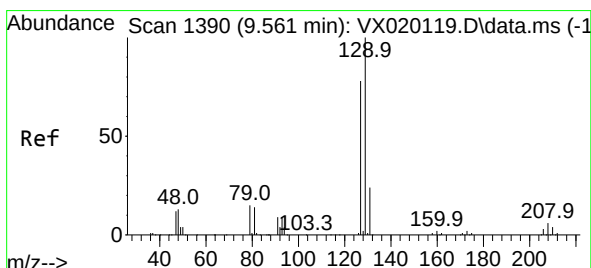
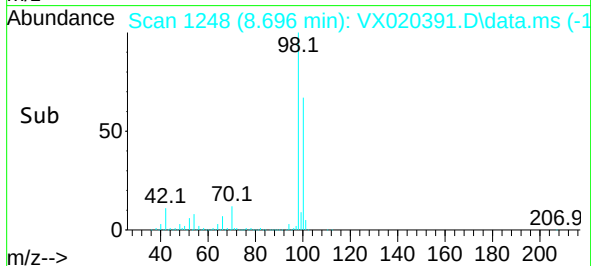
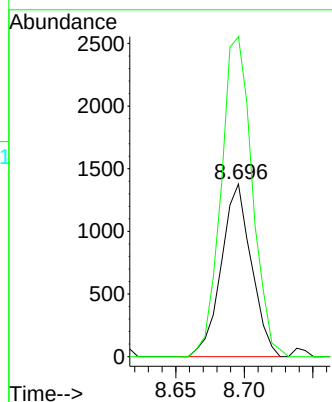
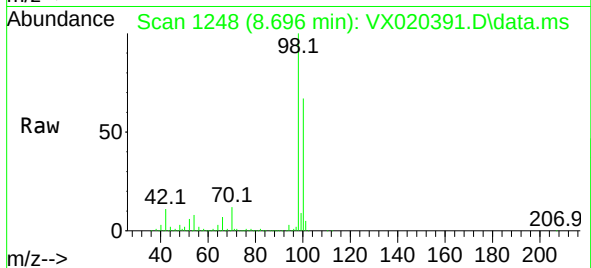




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.080 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

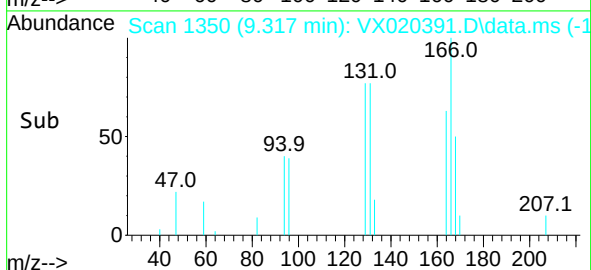
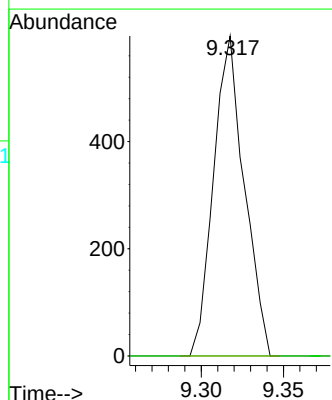
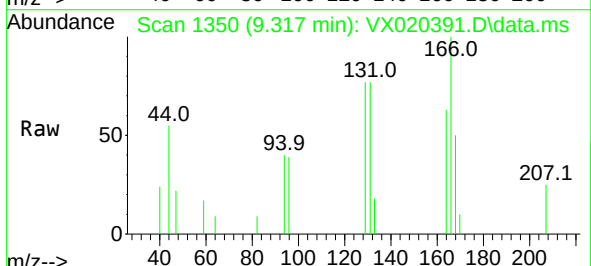
Instrument :
MSVOA_X
ClientSampled :

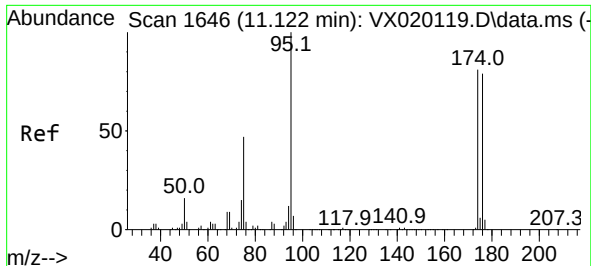
Tgt Ion: 43 Resp: 2104
Ion Ratio Lower Upper
43 100
58 191.7 35.4 53.0#



#60
Dibromochloromethane
Concen: 0.24 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 129 Resp: 775
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

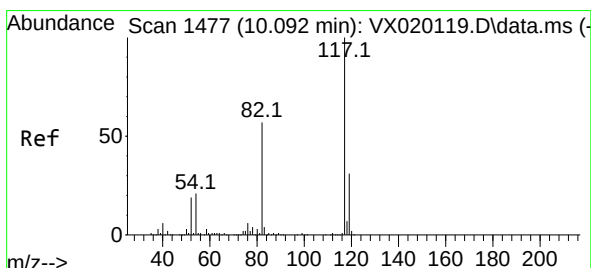
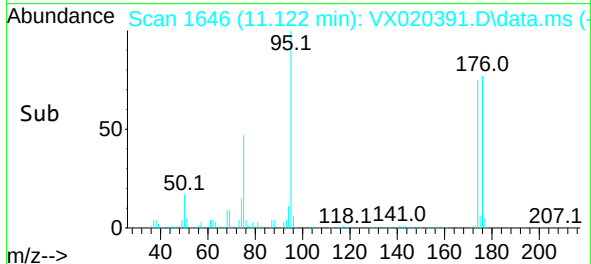
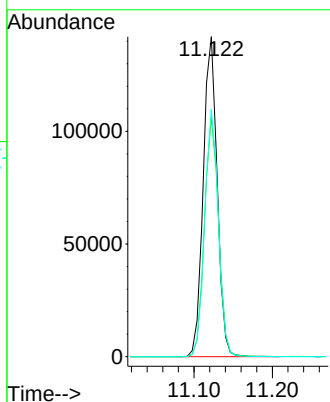
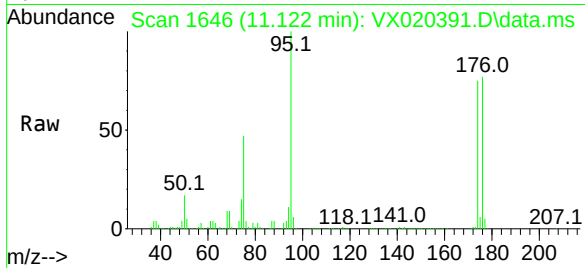




#62
4-Bromofluorobenzene
Concen: 44.72 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

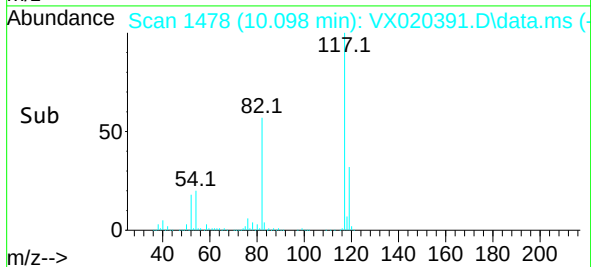
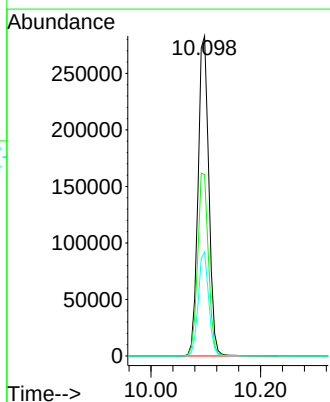
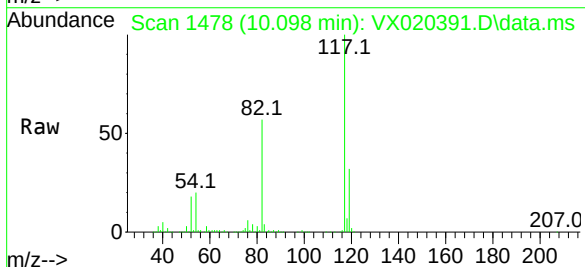
Instrument :
MSVOA_X
ClientSampleId :

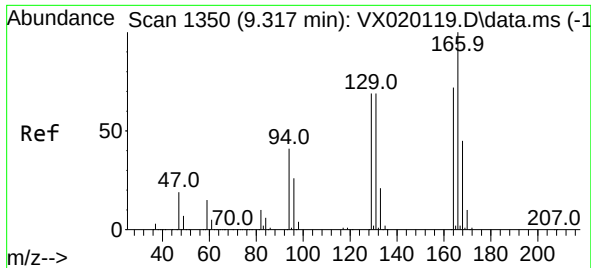
Tgt Ion: 95 Resp: 175099
Ion Ratio Lower Upper
95 100
174 75.8 0.0 154.6
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 117 Resp: 387036
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 32.5 26.6 39.8



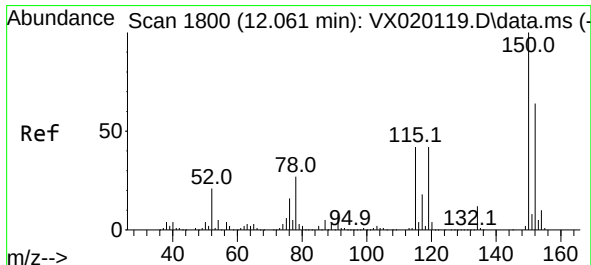
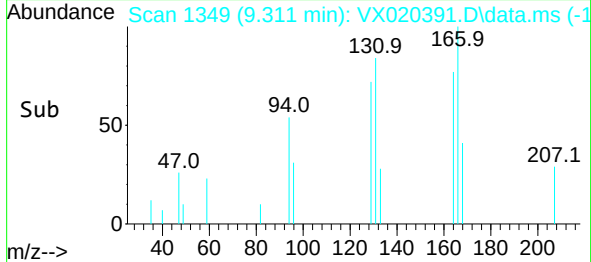
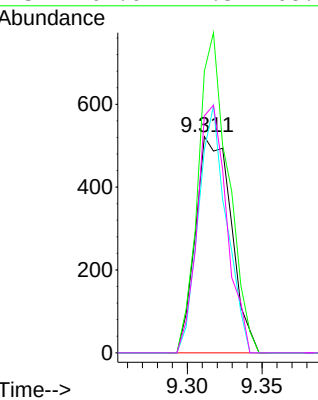
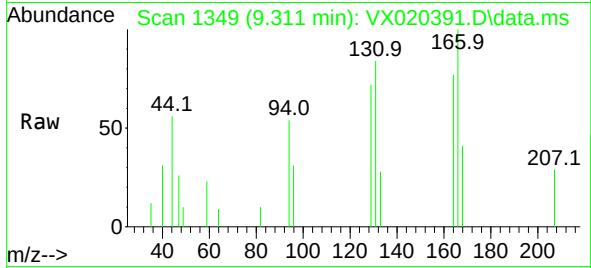


#64
Tetrachloroethene
Concen: 0.30 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:164 Resp: 862

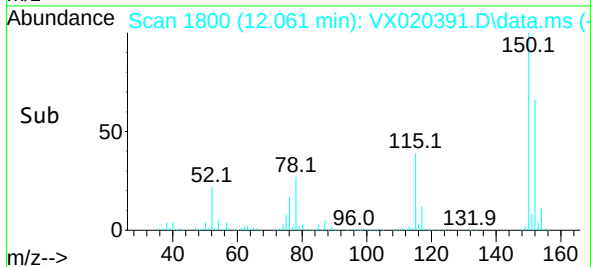
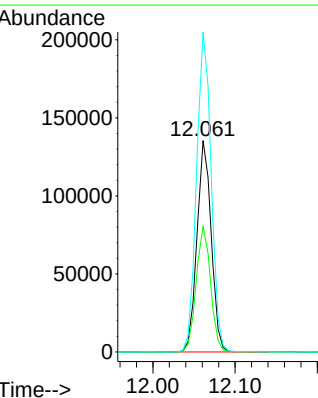
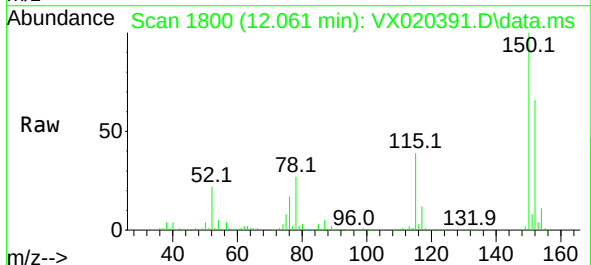
Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.4	155.2
129	93.9	70.8	106.2
131	109.6	72.5	108.7

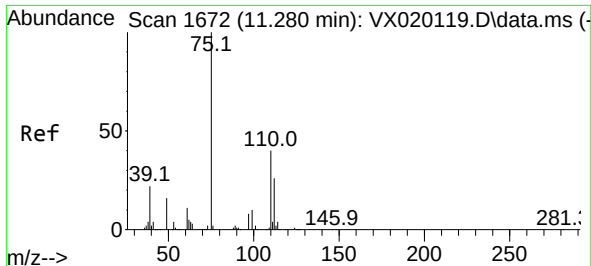


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion:152 Resp: 163072

Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.1	123.3
150	155.1	0.0	349.0

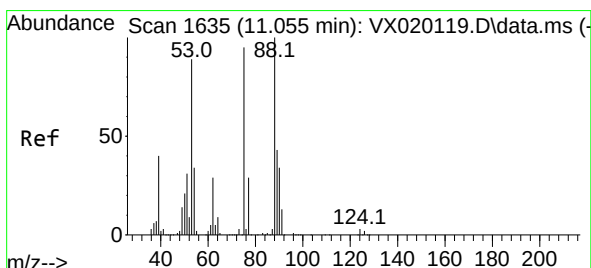
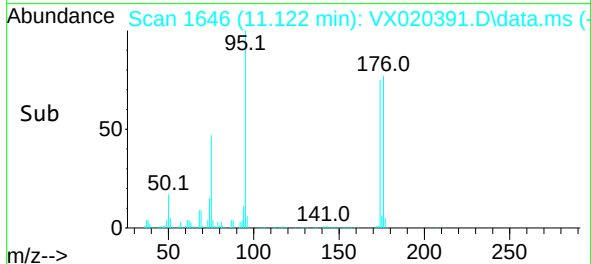
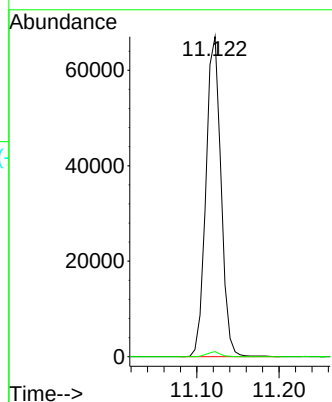
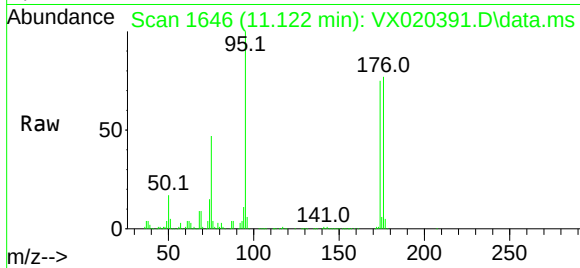




#76
1,2,3-Trichloropropane
Concen: 21.22 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020391.D
Acq: 24 Dec 2020 16:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 85231
Ion Ratio Lower Upper
75 100
77 1.4 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: VX020391.D
Acq: 24 Dec 2020 16:33

Tgt Ion: 75 Resp: 85231
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

