

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122820\
 Data File : VX020402.D
 Acq On : 28 Dec 2020 10:35
 Operator : JC/MD
 Sample : VX1228WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 00:36:44 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

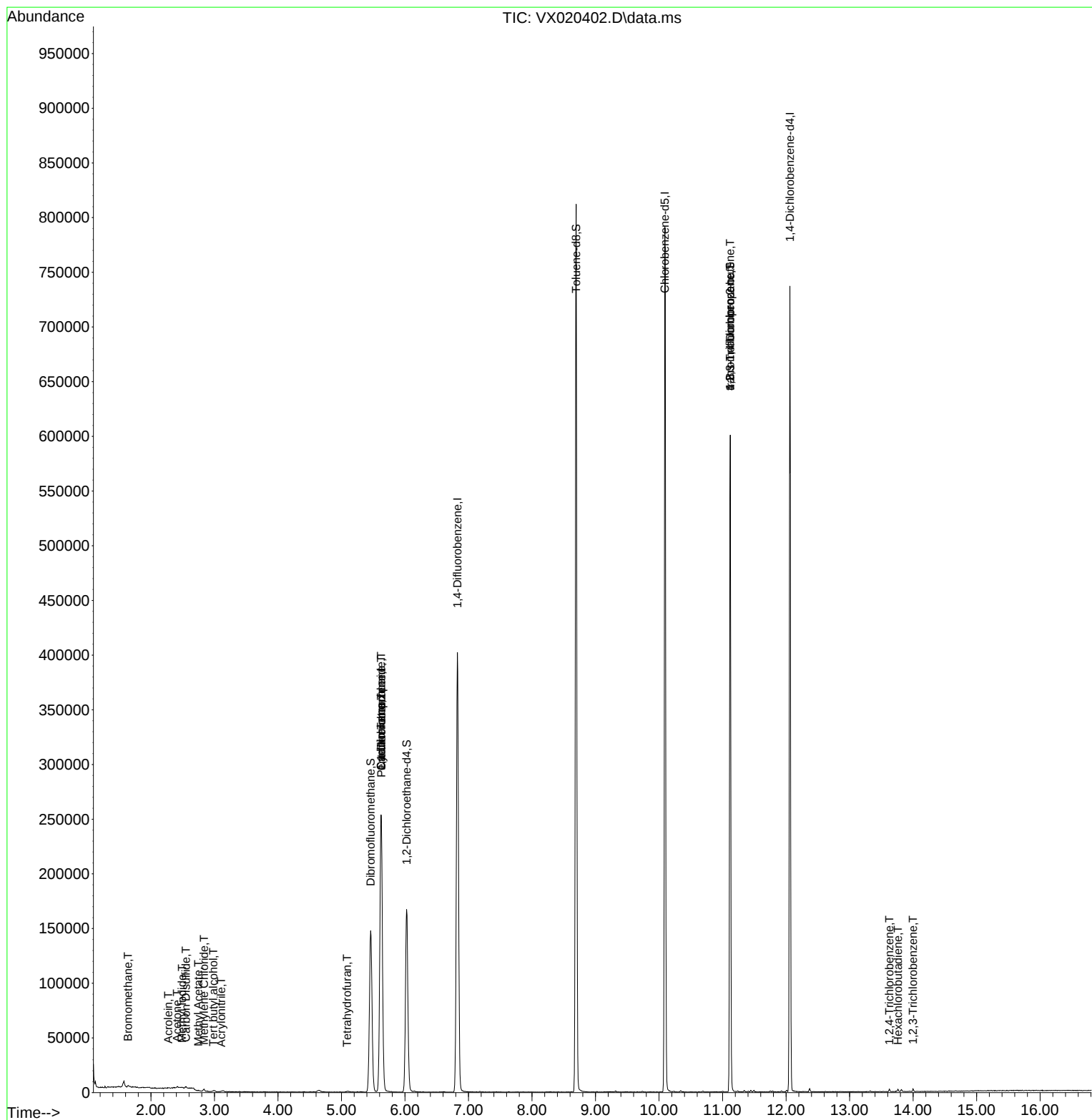
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	246140	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.824	114	406943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.091	117	367232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	149812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	158961	48.18	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.36%
35) Dibromofluoromethane	5.458	113	129763	49.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.70%
50) Toluene-d8	8.695	98	486504	48.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.10%
62) 4-Bromofluorobenzene	11.122	95	163592	42.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.32%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	834	0.77	ug/l	90
10) Methyl Iodide	2.489	142	750	3.50	ug/l	92
11) Tert butyl alcohol	2.983	59	755	1.02	ug/l #	73
13) Acrolein	2.270	56	277	0.60	ug/l #	1
15) Acrylonitrile	3.105	53	411	0.24	ug/l	90
16) Acetone	2.410	43	1350	0.90	ug/l #	73
17) Carbon Disulfide	2.550	76	1860	0.25	ug/l #	94
18) Methyl Acetate	2.745	43	971	0.29	ug/l #	70
20) Methylene Chloride	2.837	84	754	0.22	ug/l	94
29) Tetrahydrofuran	5.086	42	641	0.47	ug/l #	63
31) Cyclohexane	5.623	56	5005	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	18625	4.63	ug/l #	49
38) Carbon Tetrachloride	5.623	117	24564	6.42	ug/l #	16
76) 1,2,3-Trichloropropane	11.122	75	80294	21.76	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	80294	64.55	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.627	180	720	0.22	ug/l	98
94) Hexachlorobutadiene	13.761	225	355	2.89	ug/l	93
96) 1,2,3-Trichlorobenzene	13.999	180	663	0.20	ug/l	91

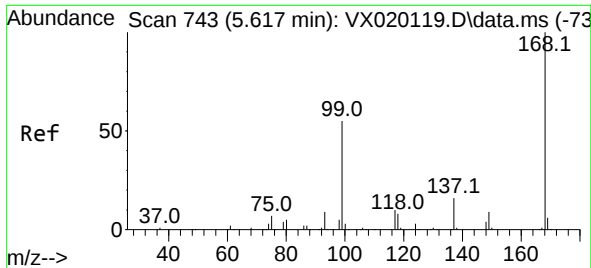
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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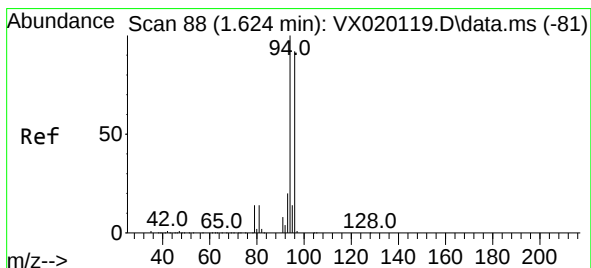
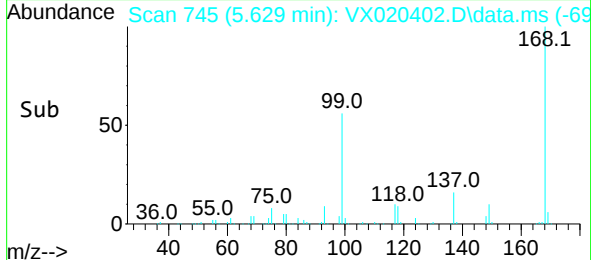
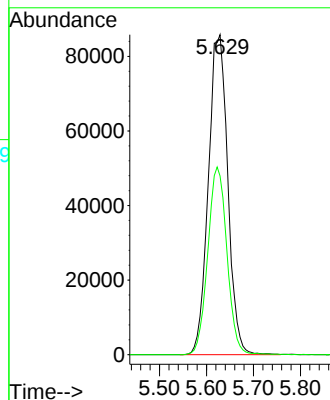
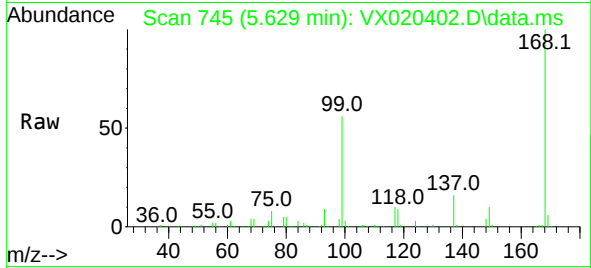




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

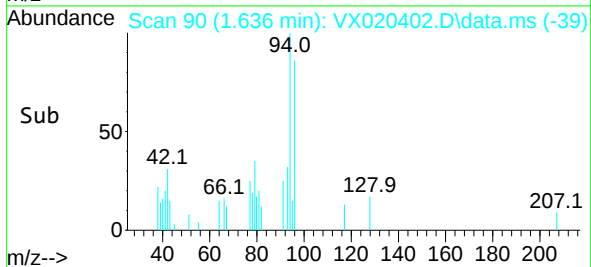
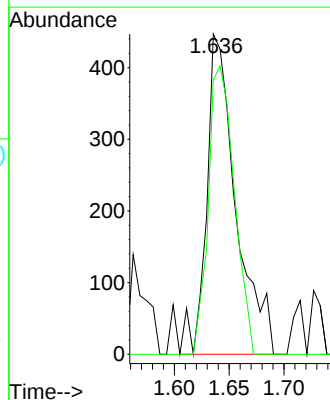
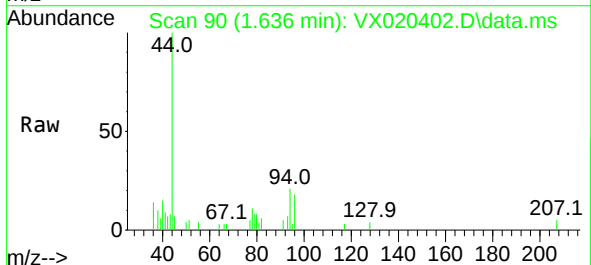
Instrument :
MSVOA_X
ClientSampled :

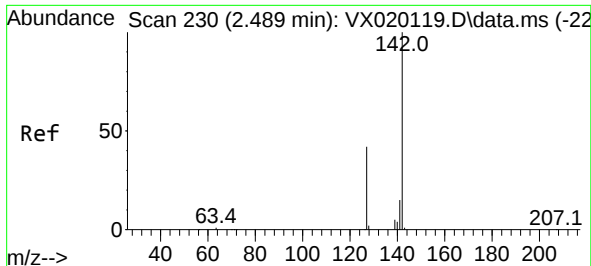
Tgt Ion:168 Resp: 246140
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#5
Bromomethane
Concen: 0.77 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

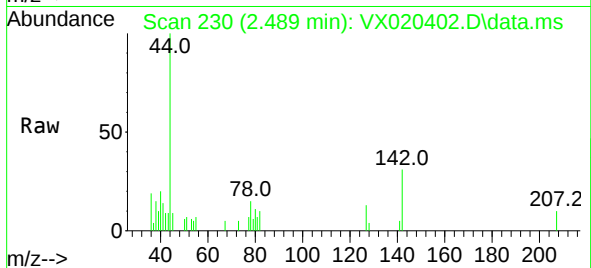
Tgt Ion: 94 Resp: 834
Ion Ratio Lower Upper
94 100
96 85.7 76.4 114.6



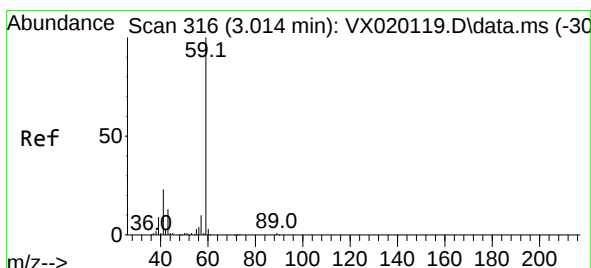
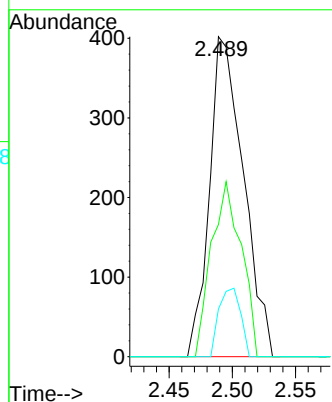
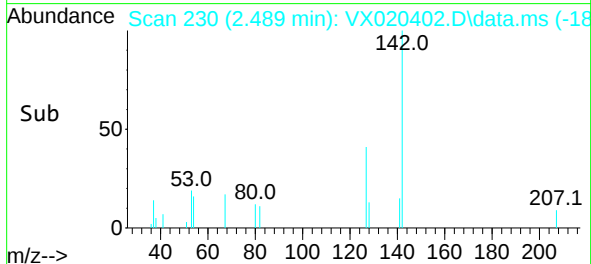


#10
Methyl Iodide
Concen: 3.50 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

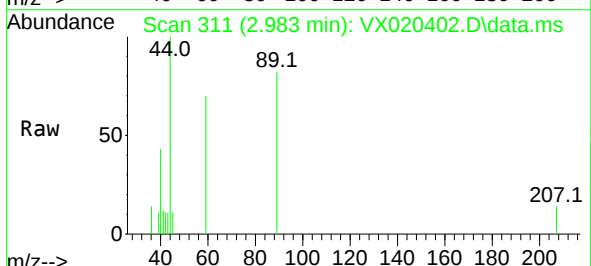
Instrument :
MSVOA_X
ClientSampled :



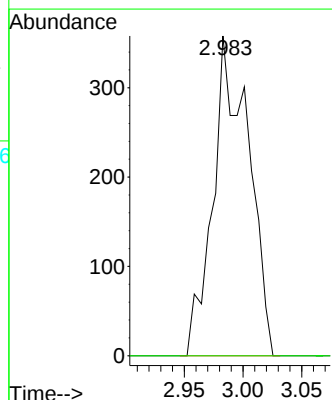
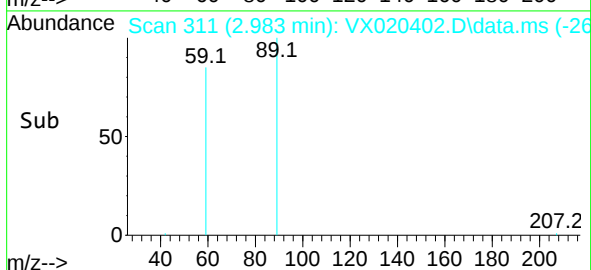
Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
127 48.1 33.3 49.9
141 13.6 11.4 17.0

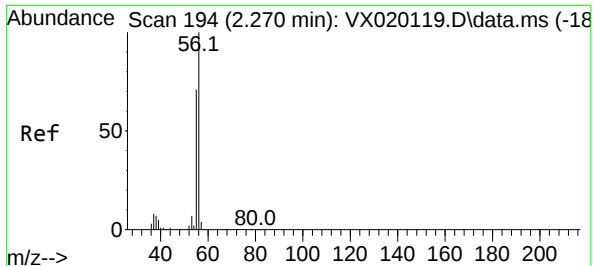


#11
Tert butyl alcohol
Concen: 1.02 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.031 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35



Tgt Ion: 59 Resp: 755
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

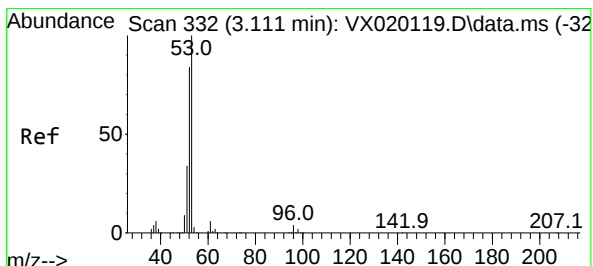
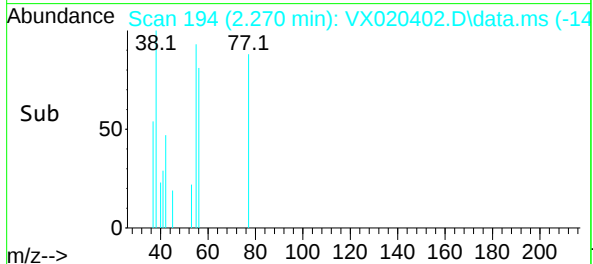
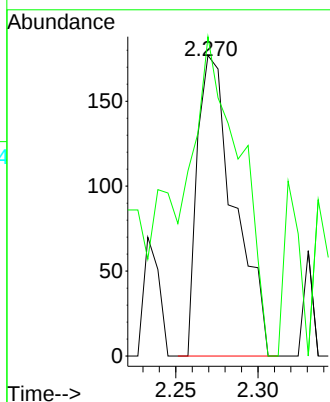
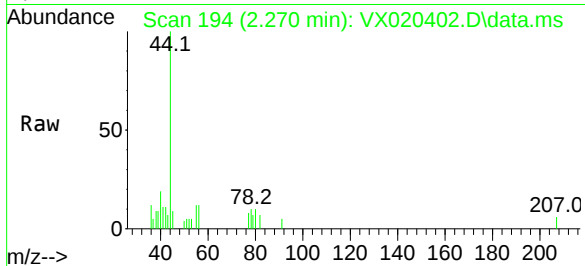




#13
Acrolein
Concen: 0.60 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

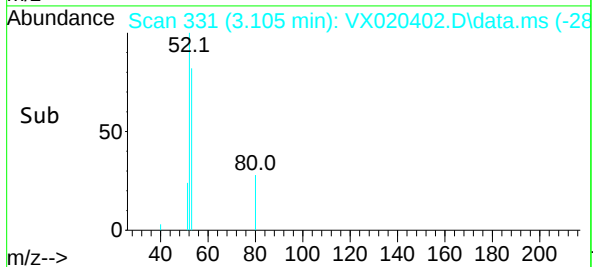
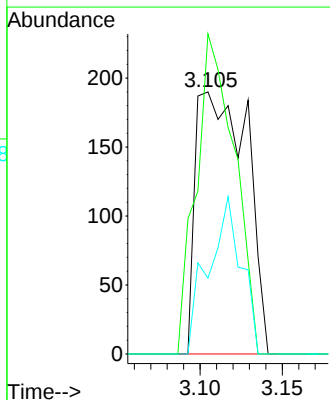
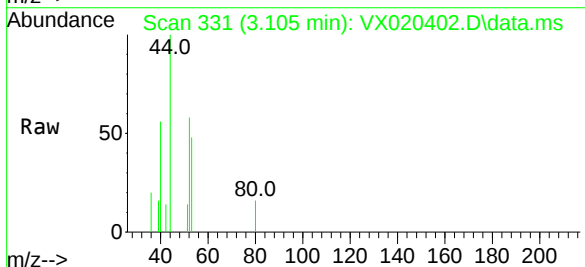
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 169.7 56.4 84.6#



#15
Acrylonitrile
Concen: 0.24 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion: 53 Resp: 411
Ion Ratio Lower Upper
53 100
52 91.5 65.3 97.9
51 38.7 28.2 42.2

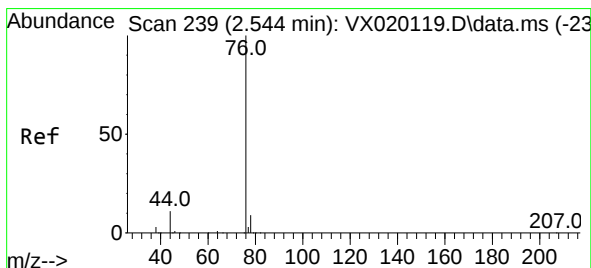
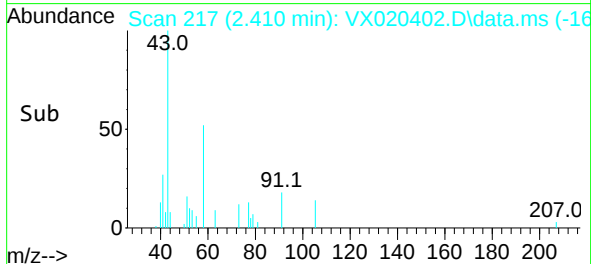
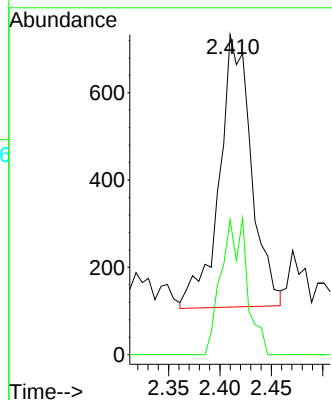
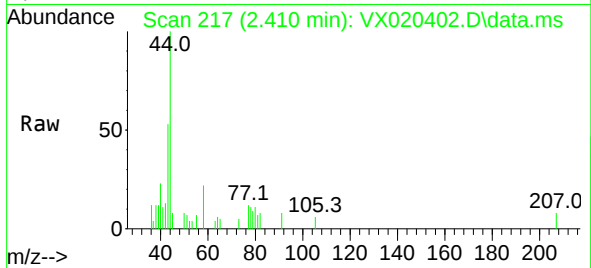




#16
Acetone
Concen: 0.90 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

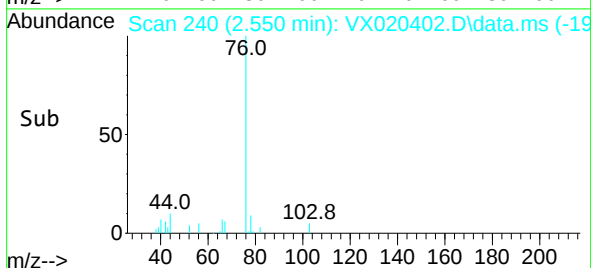
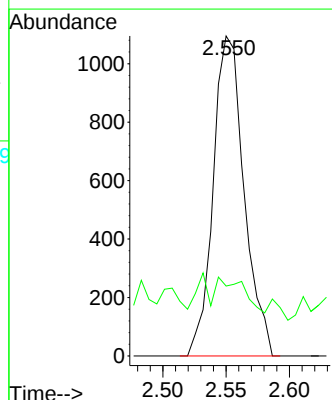
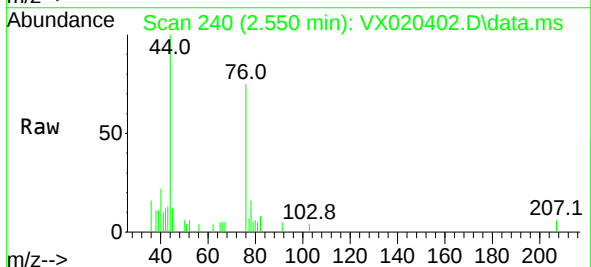
Instrument :
MSVOA_X
ClientSampled :

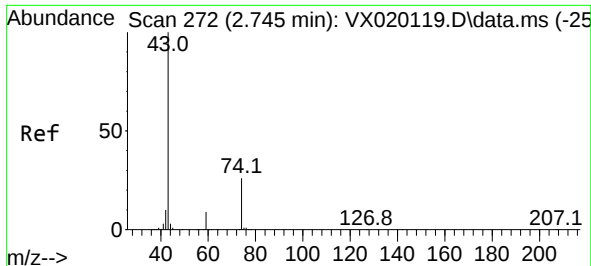
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 50.3 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion: 76 Resp: 1860
Ion Ratio Lower Upper
76 100
78 6.8 7.2 10.8#

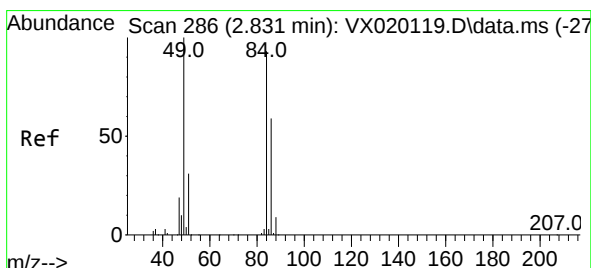
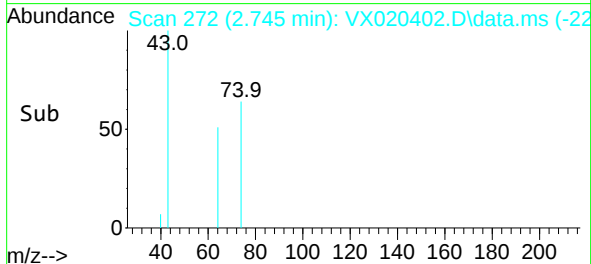
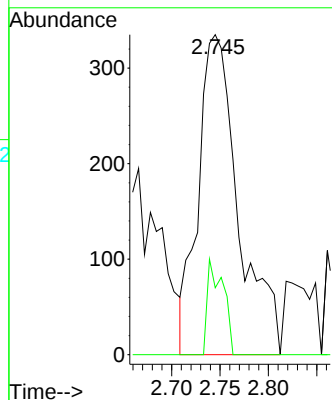
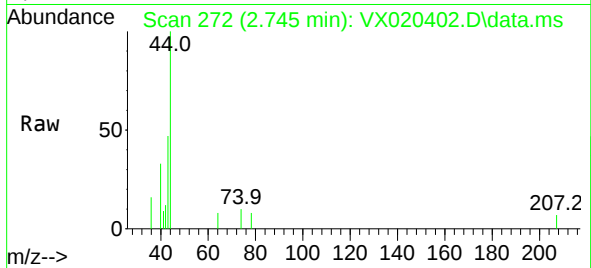




#18
Methyl Acetate
Concen: 0.29 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

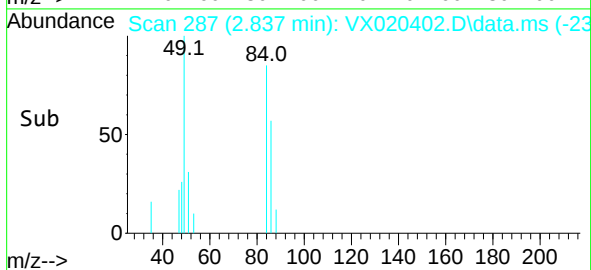
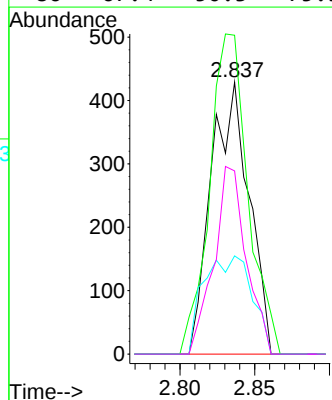
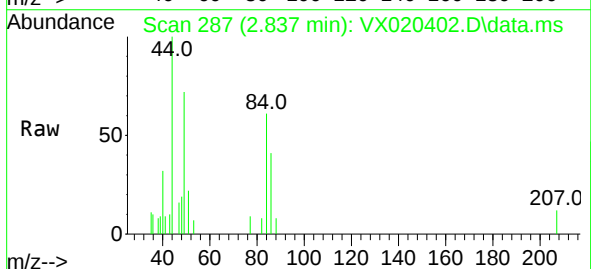
Instrument :
MSVOA_X
ClientSampled :

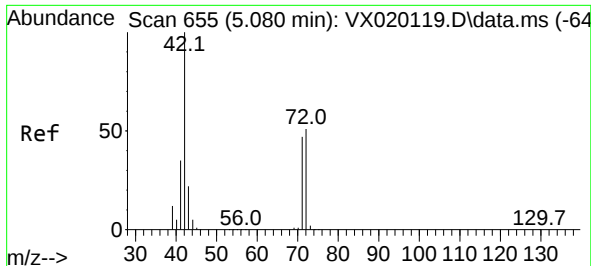
Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
74 11.7 21.9 32.9#



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion: 84 Resp: 754
Ion Ratio Lower Upper
84 100
49 117.2 88.6 132.8
51 36.1 27.0 40.6
86 67.4 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.47 ug/l

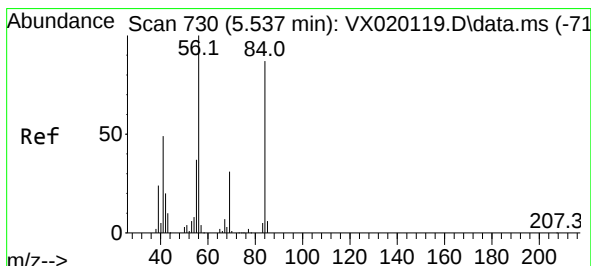
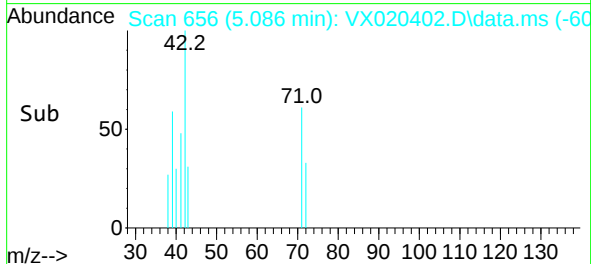
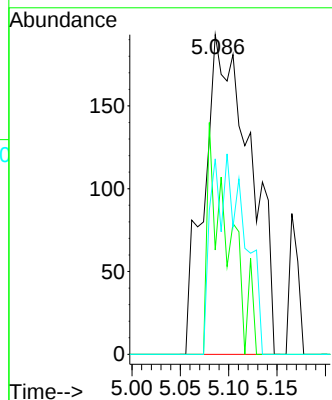
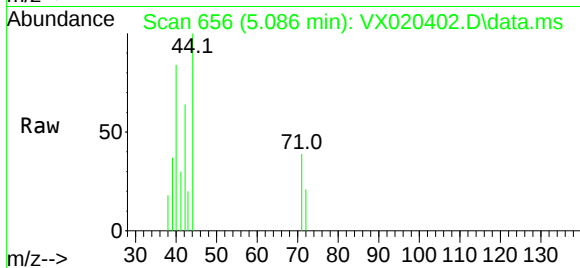
RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX020402.D

Acq: 28 Dec 2020 10:35

Tgt Ion: 42	Resp: 641
Ion Ratio	Lower Upper
42 100	
72 32.8	41.7 62.5#
71 15.9	38.4 57.6#



#31

Cyclohexane

Concen: 1.10 ug/l

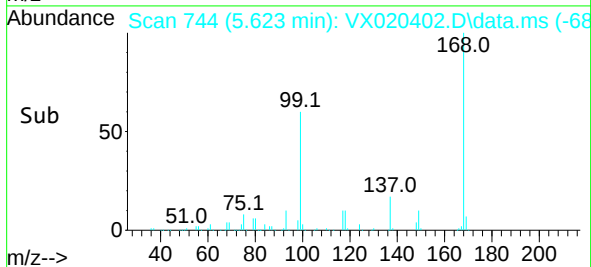
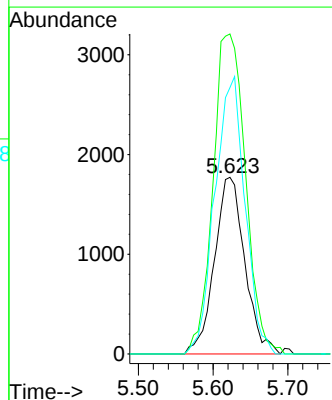
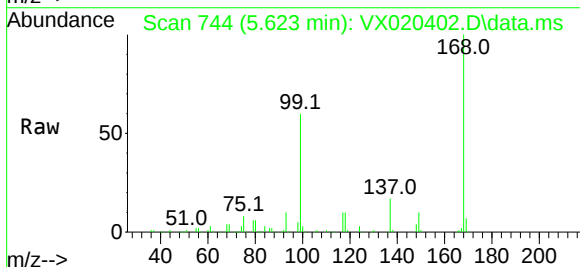
RT: 5.623 min Scan# 744

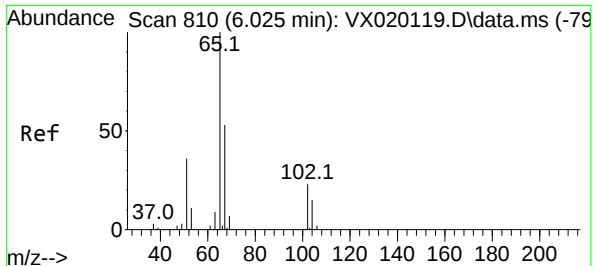
Delta R.T. 0.086 min

Lab File: VX020402.D

Acq: 28 Dec 2020 10:35

Tgt Ion: 56	Resp: 5005
Ion Ratio	Lower Upper
56 100	
69 181.2	25.3 37.9#
84 150.8	71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.18 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX020402.D

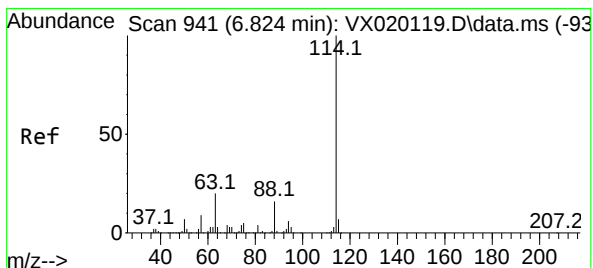
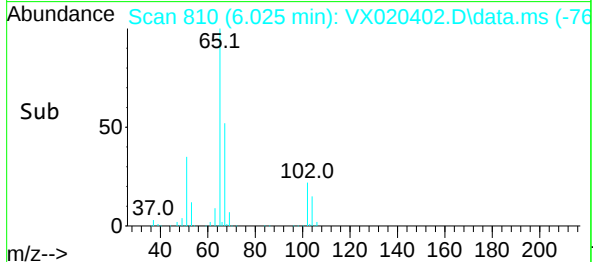
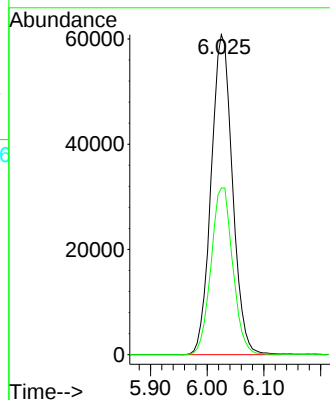
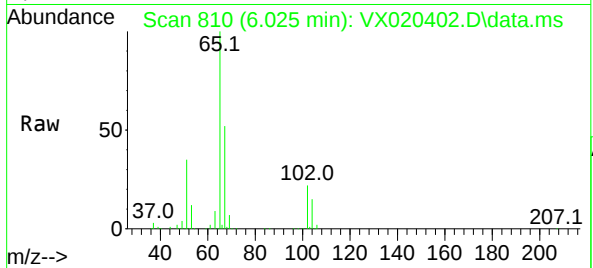
Acq: 28 Dec 2020 10:35

Tgt Ion: 65 Resp: 158961

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.824 min Scan# 941

Delta R.T. -0.000 min

Lab File: VX020402.D

Acq: 28 Dec 2020 10:35

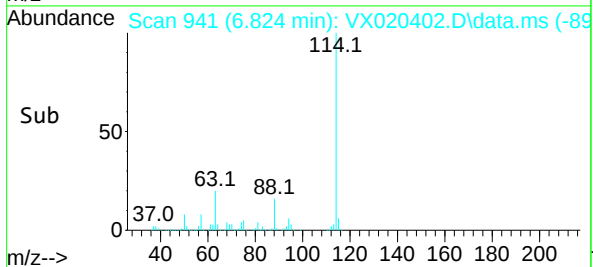
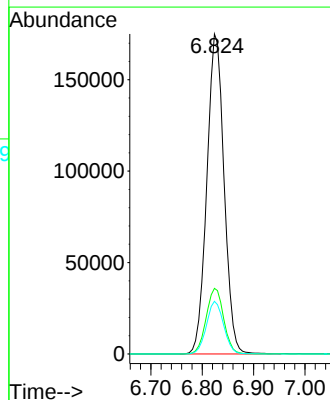
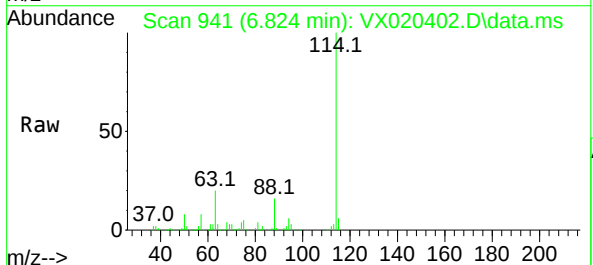
Tgt Ion: 114 Resp: 406943

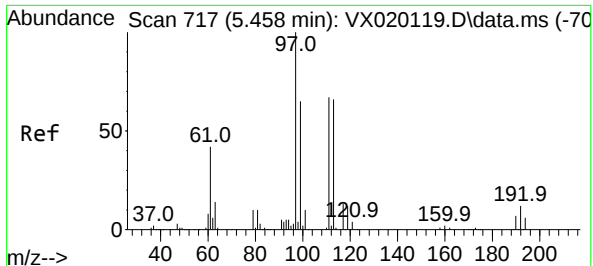
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

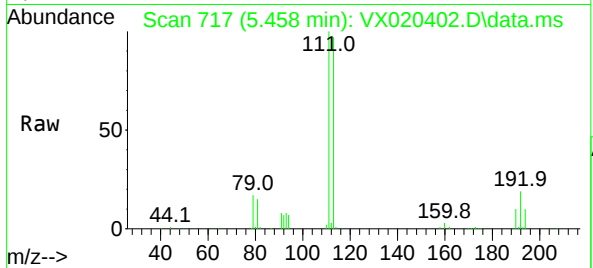
88 16.5 0.0 32.8



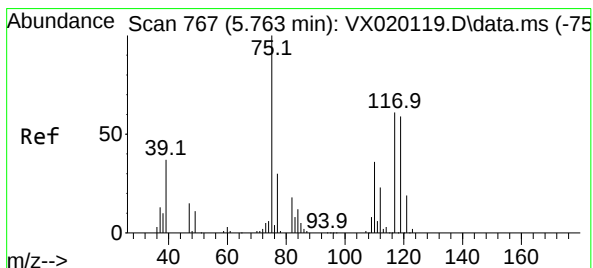
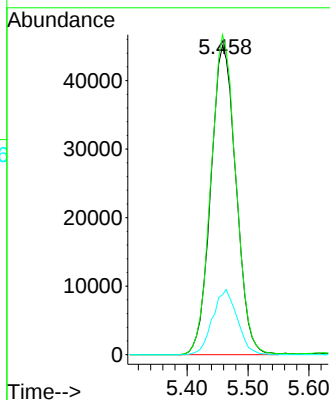
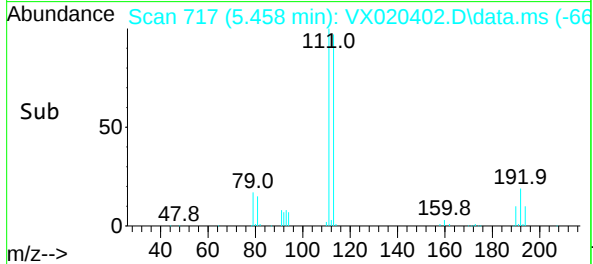


#35
Dibromofluoromethane
Concen: 49.85 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

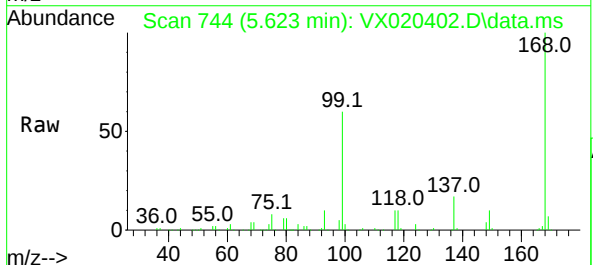
Instrument :
MSVOA_X
ClientSampled :



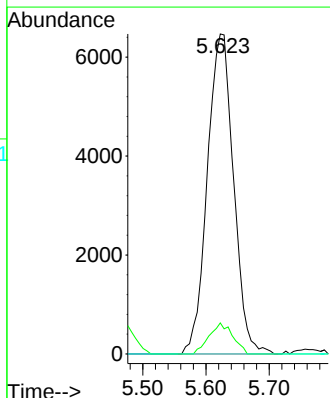
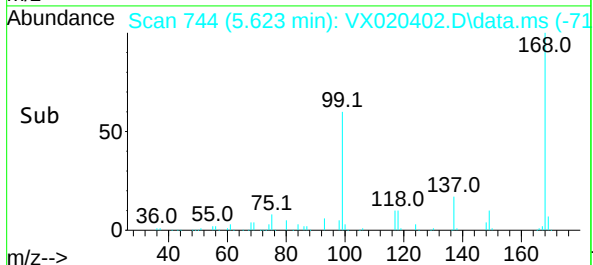
Tgt Ion:113 Resp: 129763
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.5 16.7 25.1

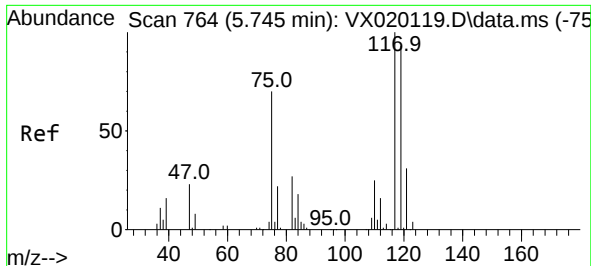


#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35



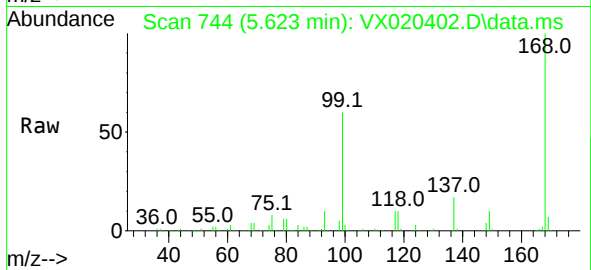
Tgt Ion: 75 Resp: 18625
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



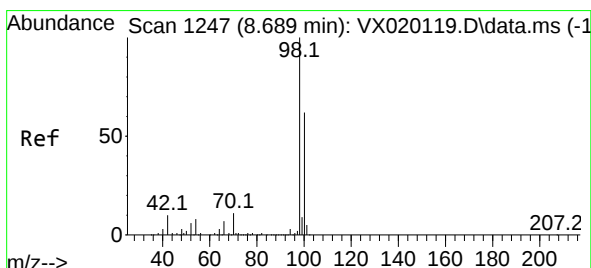
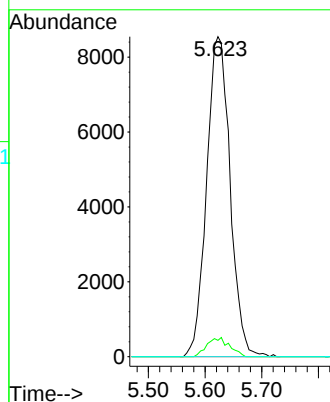
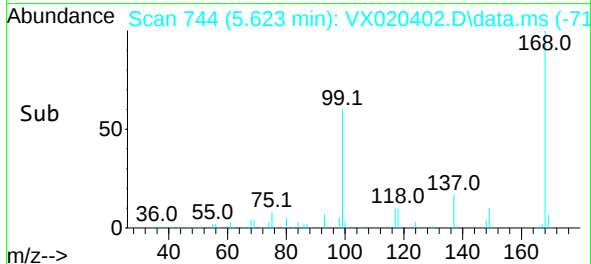


#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

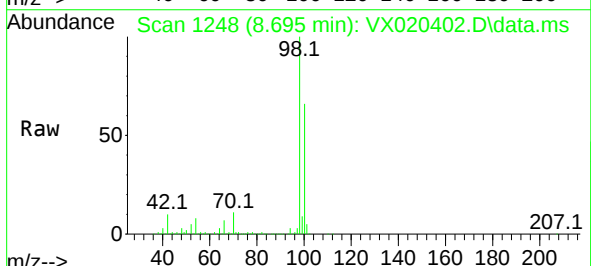
Instrument :
MSVOA_X
ClientSampled :



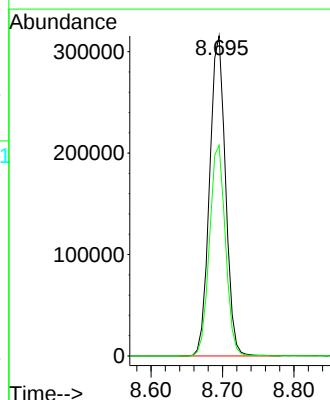
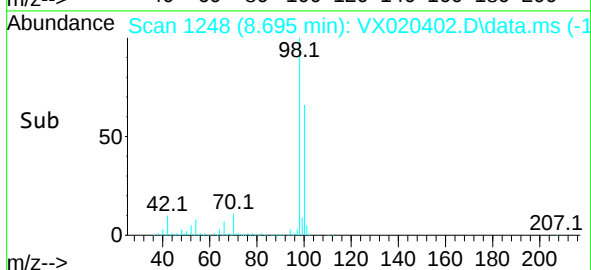
Tgt Ion:117 Resp: 24564
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

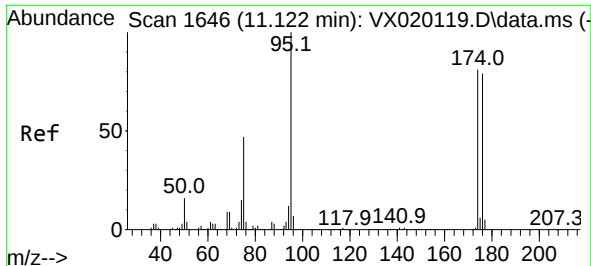


#50
Toluene-d8
Concen: 48.55 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35



Tgt Ion: 98 Resp: 486504
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

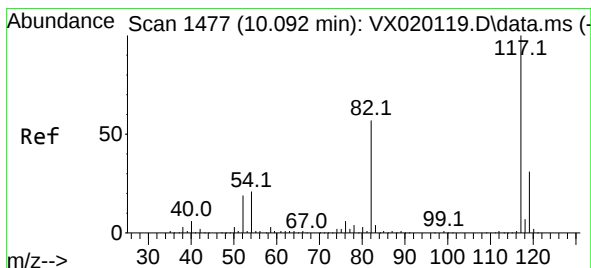
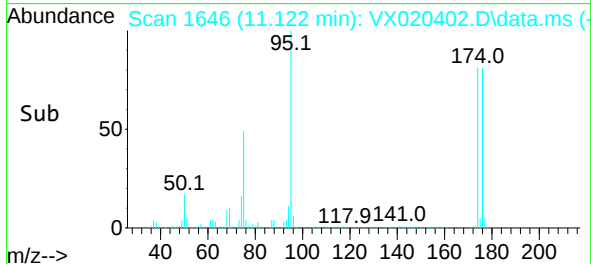
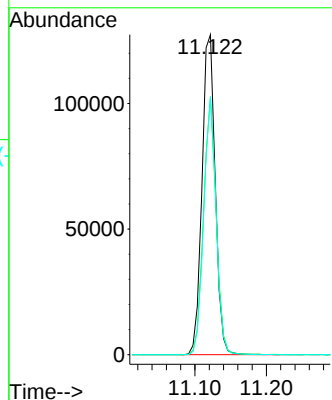
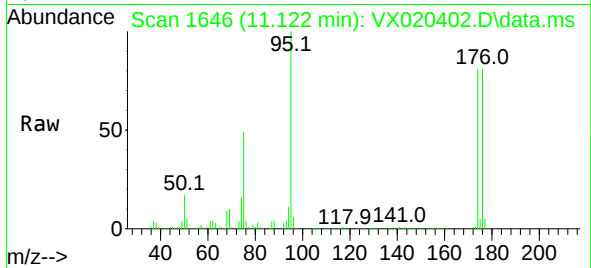




#62
4-Bromofluorobenzene
Concen: 42.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

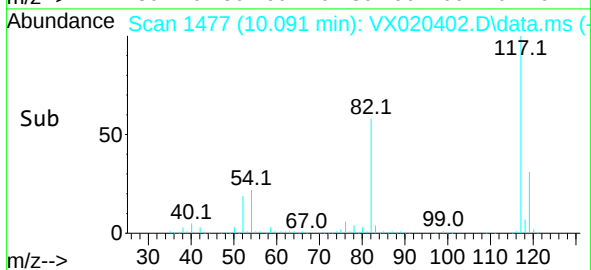
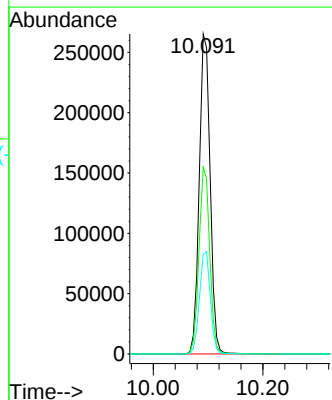
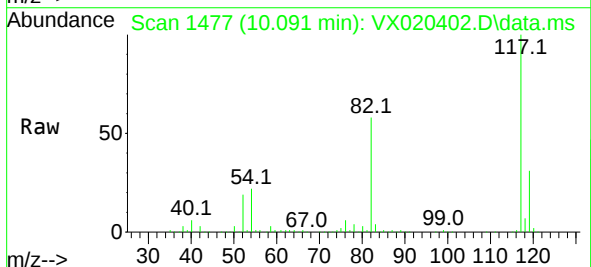
Instrument :
MSVOA_X
ClientSampleId :

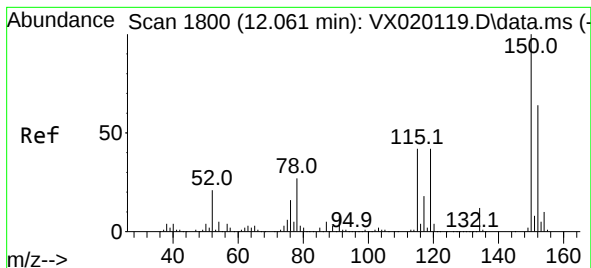
Tgt Ion: 95 Resp: 163592
Ion Ratio Lower Upper
95 100
174 76.8 0.0 154.6
176 75.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.091 min Scan# 1477
Delta R.T. -0.001 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion: 117 Resp: 367232
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 31.2 26.6 39.8

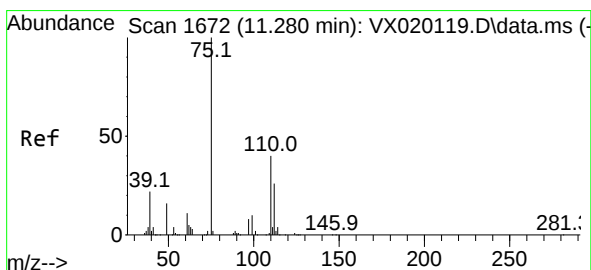
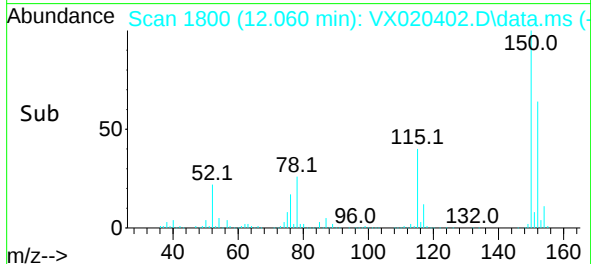
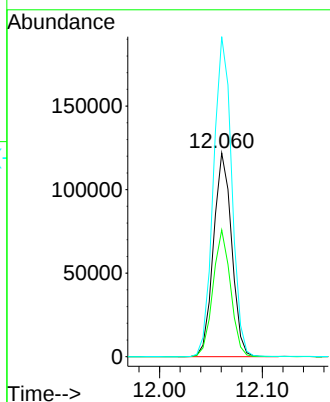
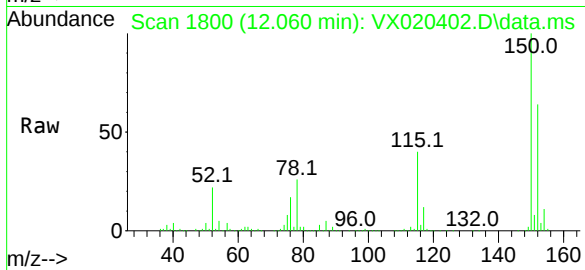




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.060 min Scan# 1800
 Delta R.T. -0.001 min
 Lab File: VX020402.D
 Acq: 28 Dec 2020 10:35

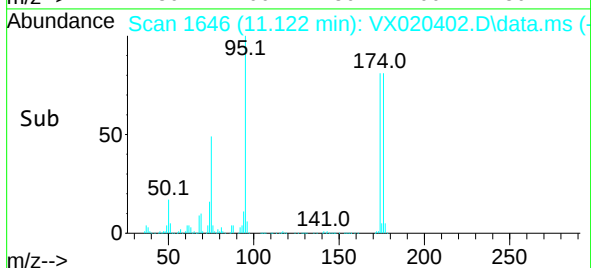
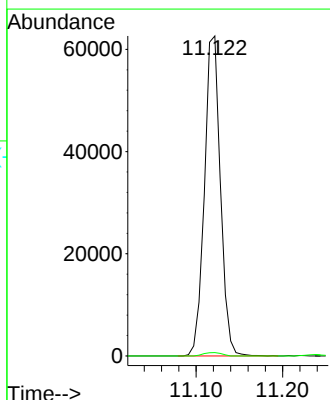
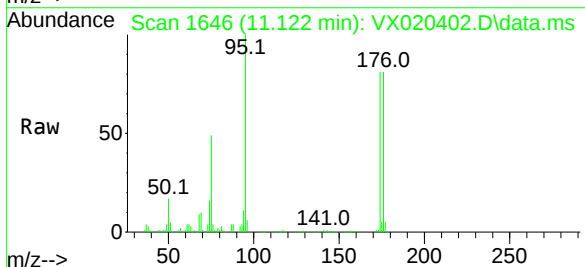
Instrument :
 MSVOA_X
 ClientSampleId :

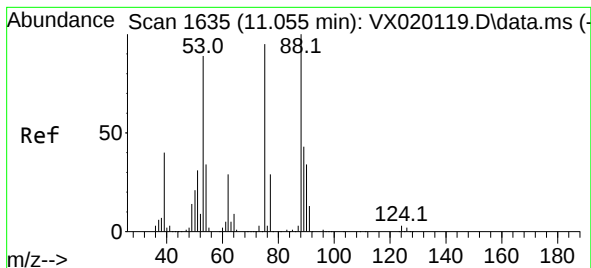
Tgt Ion:152 Resp: 149812
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.76 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020402.D
 Acq: 28 Dec 2020 10:35

Tgt Ion: 75 Resp: 80294
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

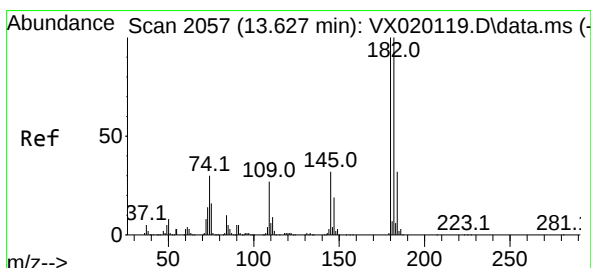
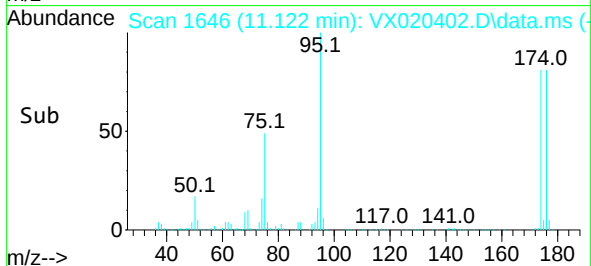
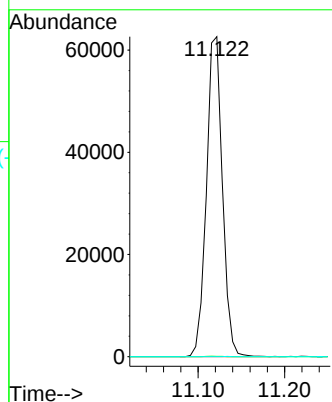
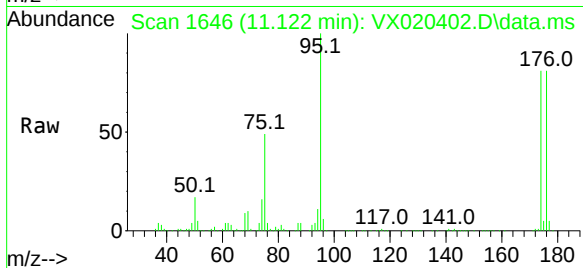




#81
trans-1,4-Dichloro-2-butene
Concen: 64.55 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

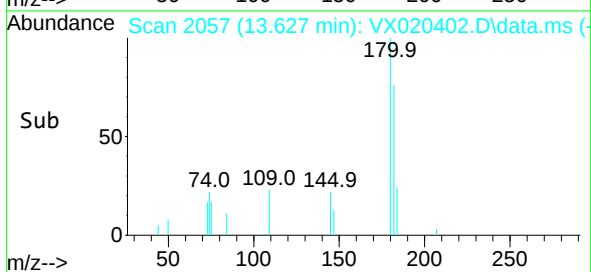
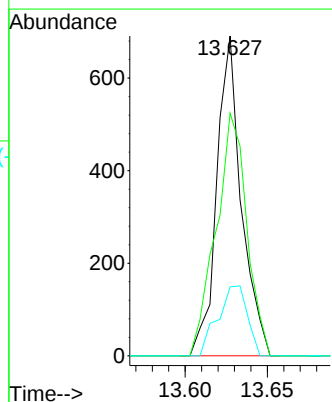
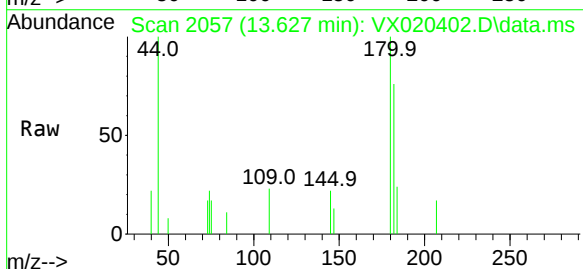
Instrument :
MSVOA_X
ClientSampleId :

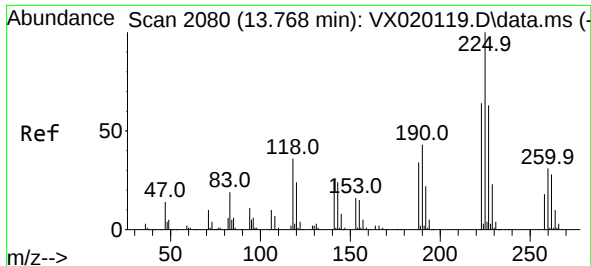
Tgt Ion: 75 Resp: 80294
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion:180 Resp: 720
Ion Ratio Lower Upper
180 100
182 94.7 47.7 143.1
145 26.1 15.0 45.0

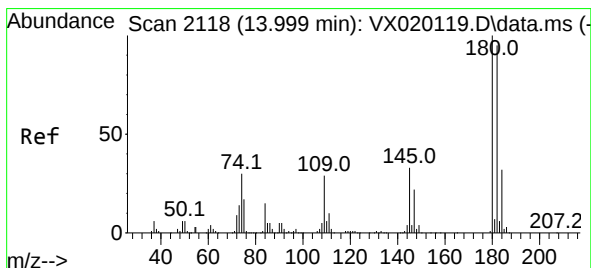
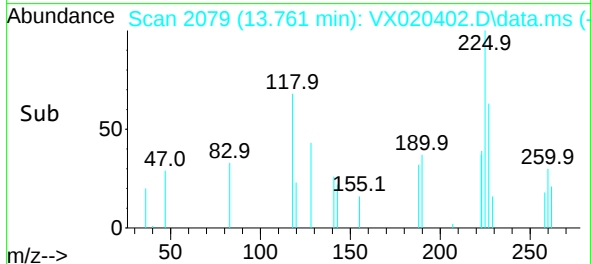
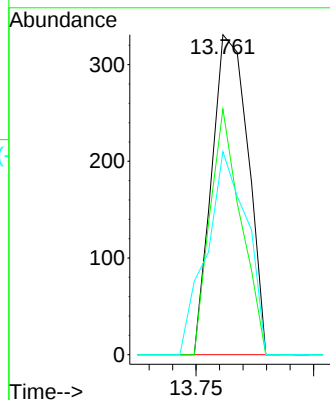
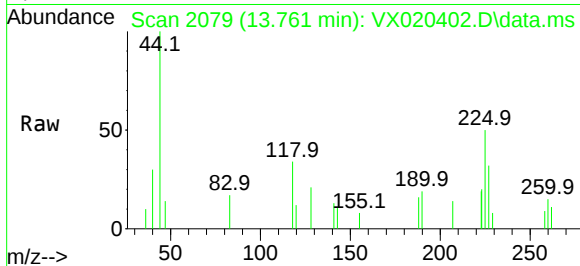




#94
Hexachlorobutadiene
Concen: 2.89 ug/l
RT: 13.761 min Scan# 2079
Delta R.T. -0.007 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	225	Resp:	355
Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.1	93.2
227	70.7	31.6	95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.20 ug/l
RT: 13.999 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VX020402.D
Acq: 28 Dec 2020 10:35

Tgt Ion:	180	Resp:	663
Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.6	142.9
145	33.3	16.1	48.3

