

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021950.D
 Acq On : 13 May 2021 01:05
 Operator : JC/MD
 Sample : M2359-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: May 13 06:29:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

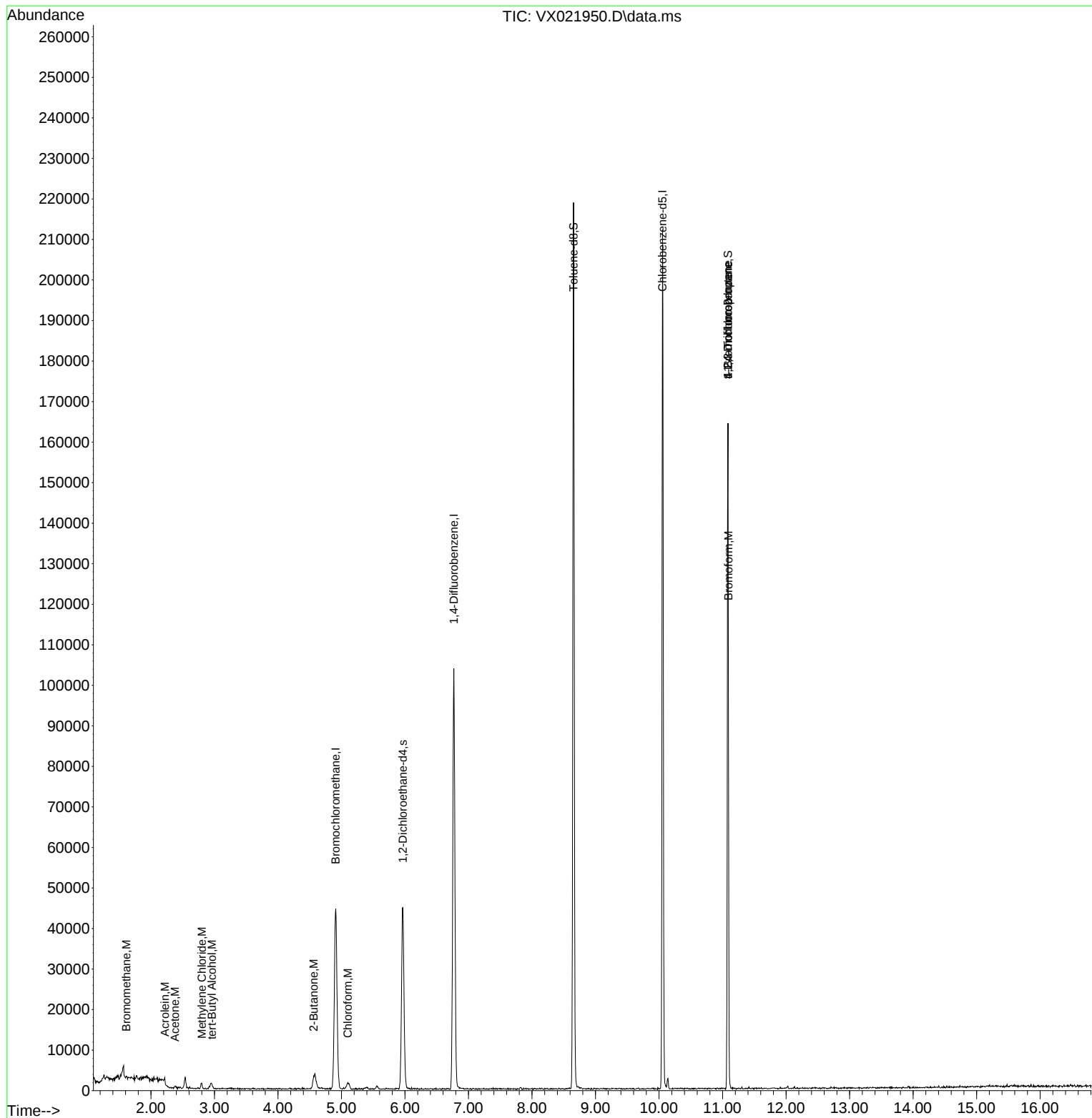
Internal Standards						
1) Bromochloromethane	4.910	128	18155	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	103867	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	92389	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	41565	29.72	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.07%		
60) 4-Bromofluorobenzene	11.085	95	45036	29.37	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.90%		
63) Toluene-d8	8.653	98	125668	29.77	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.23%		
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	209	0.28	ug/l #	55
13) Acrolein	2.221	56	79	0.34	ug/l	85
15) Acetone	2.380	58	191	1.05	ug/l #	49
18) Methylene Chloride	2.800	84	559	0.44	ug/l #	68
23) tert-Butyl Alcohol	2.959	59	439	1.48	ug/l #	100
25) Chloroform	5.099	83	1567	0.72	ug/l	100
30) 2-Butanone	4.562	43	190	0.21	ug/l #	54
56) Bromoform	11.091	173	251	0.32	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	23535	14.27	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	23535	35.21	ug/l #	17

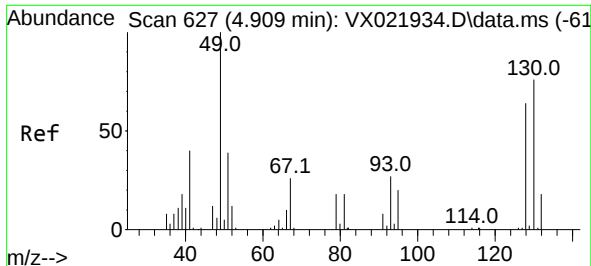
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
Data File : VX021950.D
Acq On : 13 May 2021 01:05
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Sample : M2359-04 5X
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
14B-4

Quant Time: May 13 06:29:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 13 06:11:35 2021
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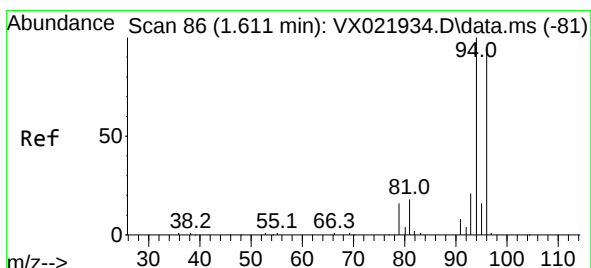
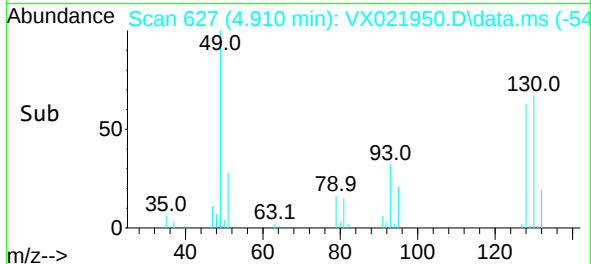
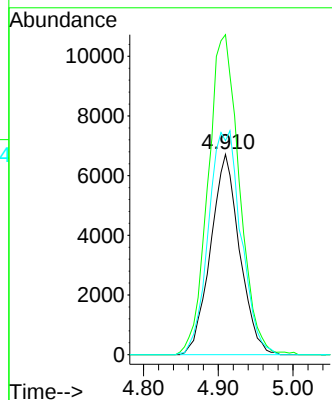
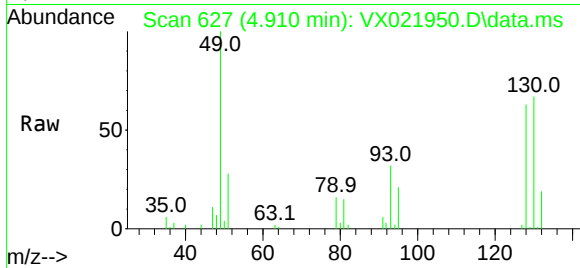




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.001 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

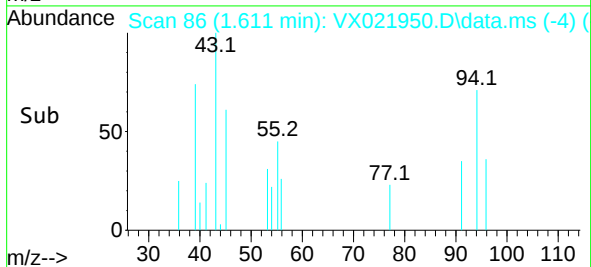
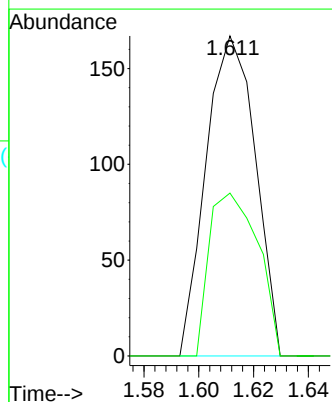
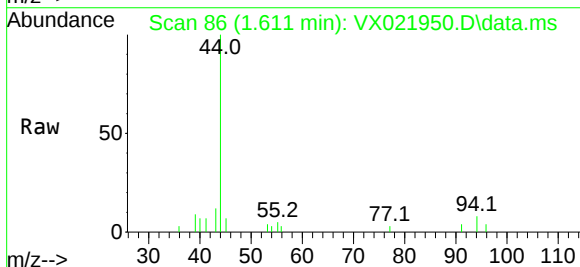
Instrument :
MSVOA_X
ClientSampleId :
14B-4

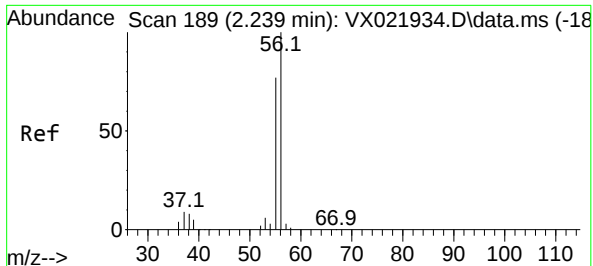
Tgt Ion:128 Resp: 18155
Ion Ratio Lower Upper
128 100
49 171.8 0.0 442.5
130 125.8 0.0 323.3



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 50.9 76.1 114.1#

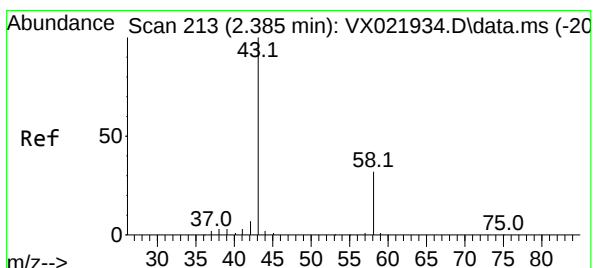
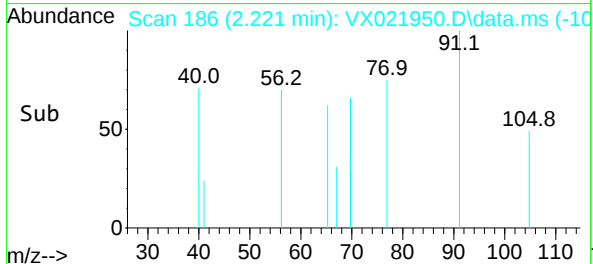
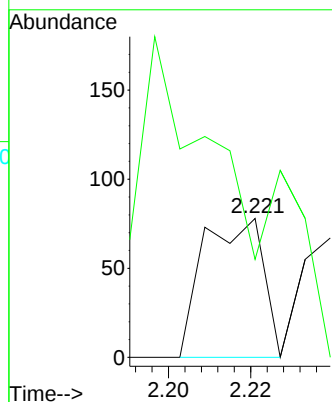
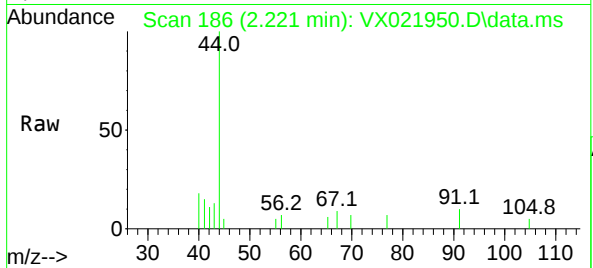




#13
Acrolein
Concen: 0.34 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

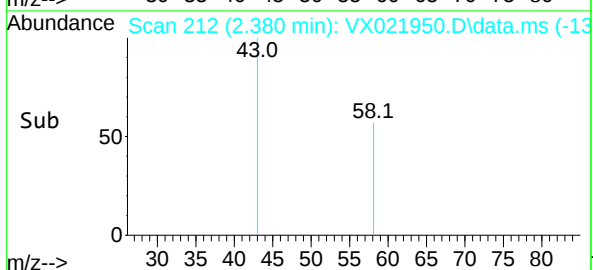
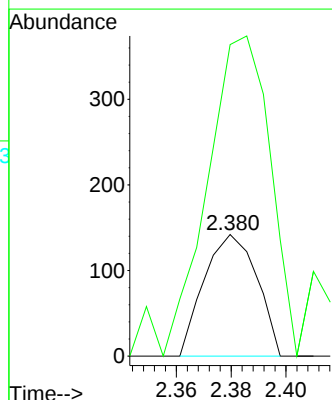
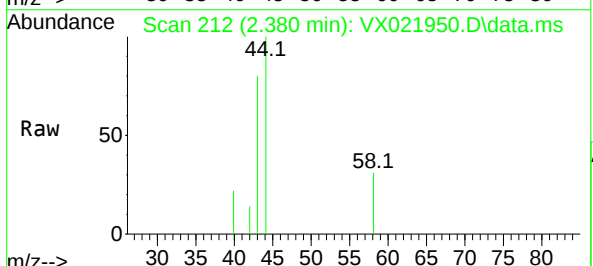
Instrument :
MSVOA_X
ClientSampled :
14B-4

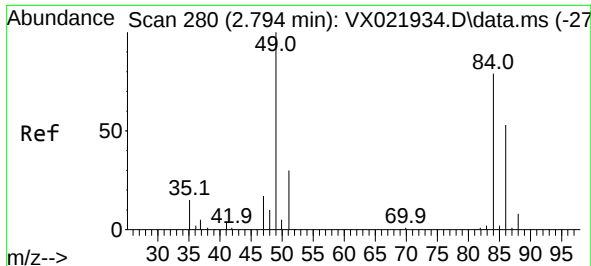
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 84.8 57.6 86.4



#15
Acetone
Concen: 1.05 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.005 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion: 58 Resp: 191
Ion Ratio Lower Upper
58 100
43 209.2 249.5 374.3#





#18

Methylene Chloride

Concen: 0.44 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX021950.D

Acq: 13 May 2021 01:05

Tgt Ion: 84 Resp: 559

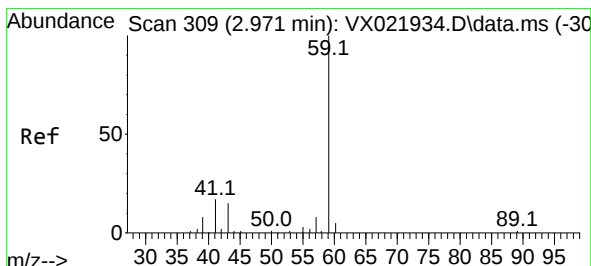
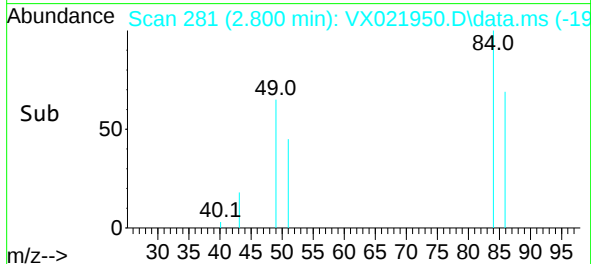
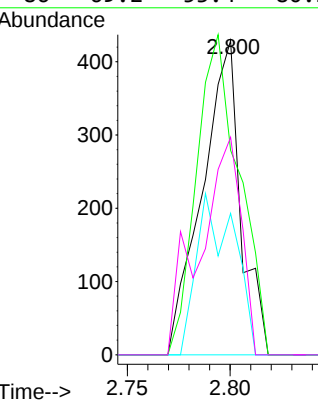
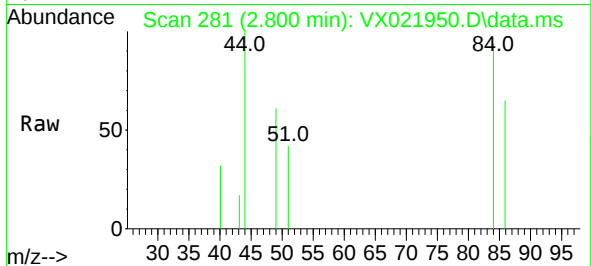
Ion Ratio Lower Upper

84 100

49 65.0 101.6 152.4#

51 45.0 30.5 45.7

86 69.2 53.4 80.2



#23

tert-Butyl Alcohol

Concen: 1.48 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX021950.D

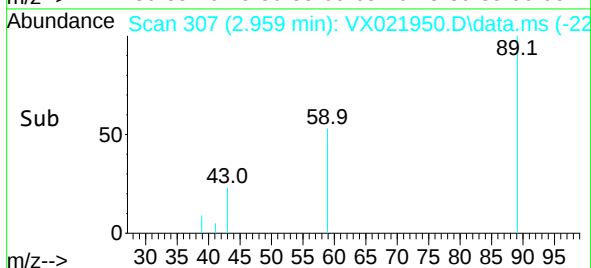
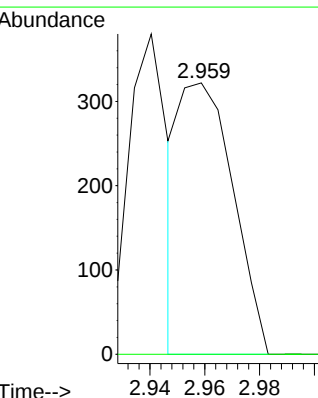
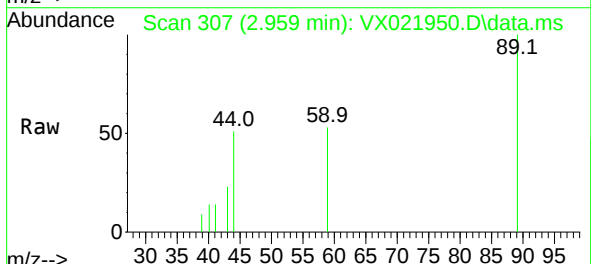
Acq: 13 May 2021 01:05

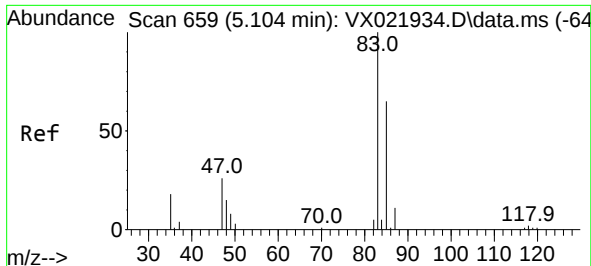
Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

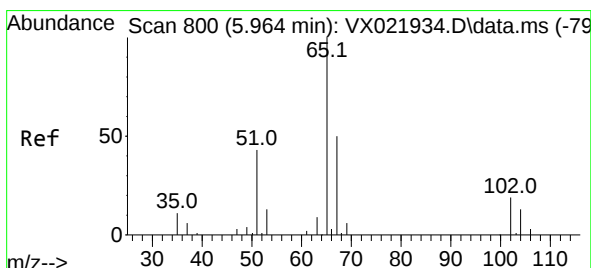
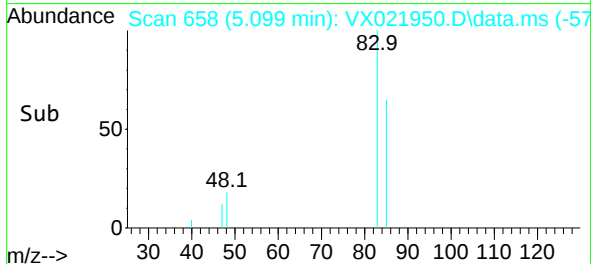
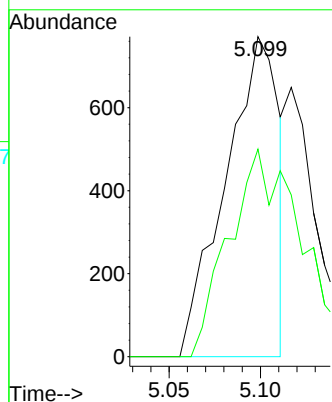
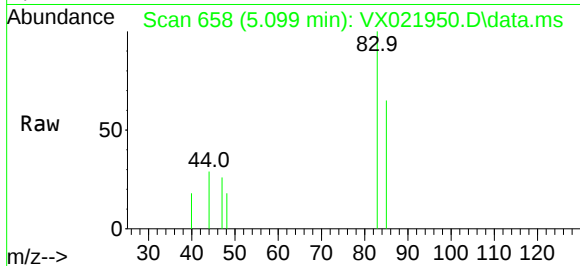




#25
Chloroform
Concen: 0.72 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

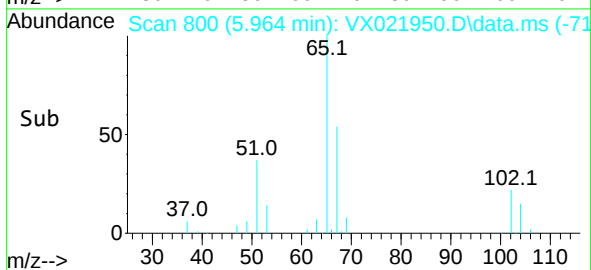
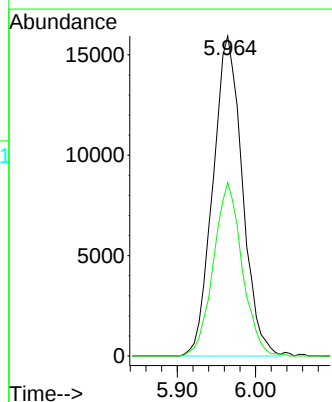
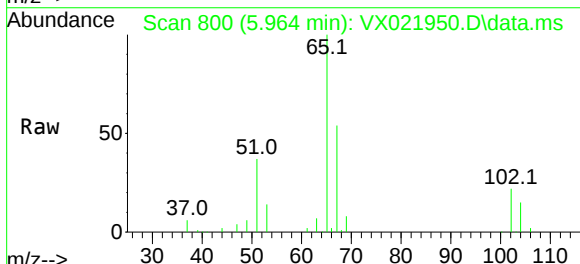
Instrument :
MSVOA_X
ClientSampled :
14B-4

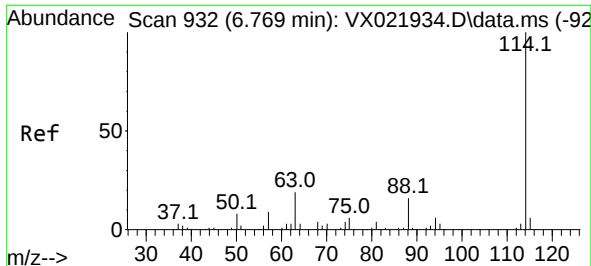
Tgt Ion: 83 Resp: 1567
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9



#27
1,2-Dichloroethane-d4
Concen: 29.72 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion: 65 Resp: 41565
Ion Ratio Lower Upper
65 100
67 52.9 41.5 62.3





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX021950.D

Acq: 13 May 2021 01:05

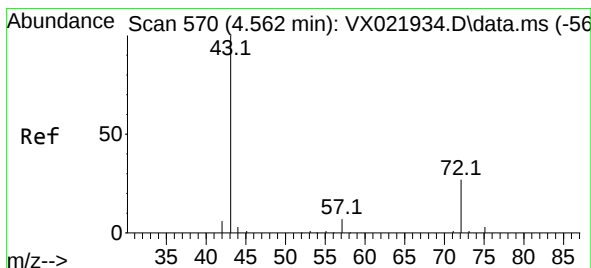
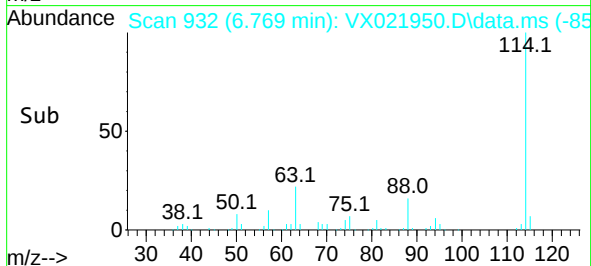
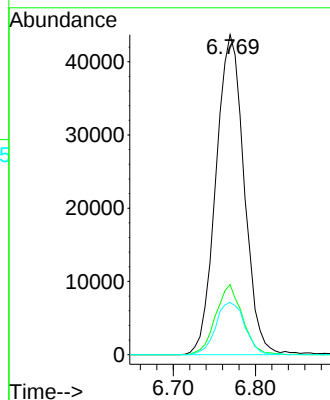
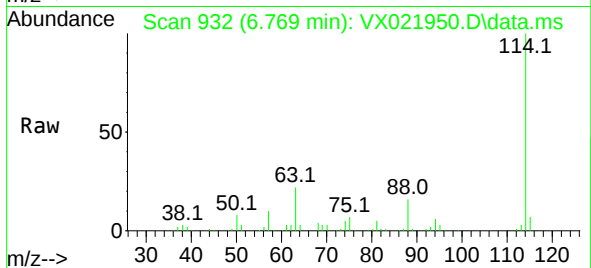
Tgt Ion:114 Resp: 103867

Ion Ratio Lower Upper

114 100

63 20.8 16.6 25.0

88 16.8 13.1 19.7



#30

2-Butanone

Concen: 0.21 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX021950.D

Acq: 13 May 2021 01:05

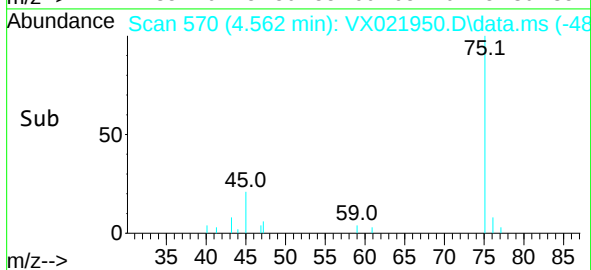
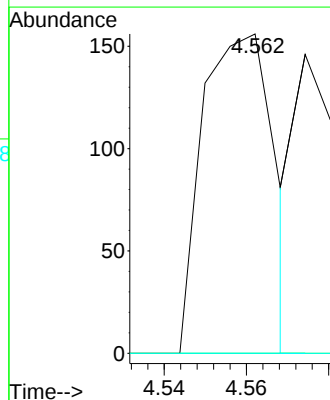
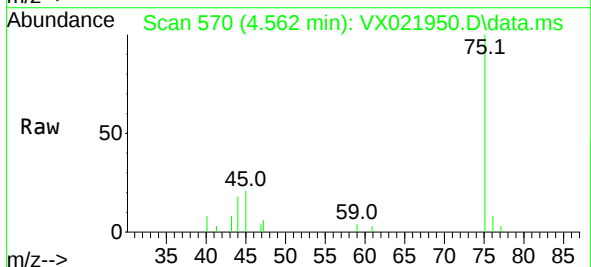
Tgt Ion: 43 Resp: 190

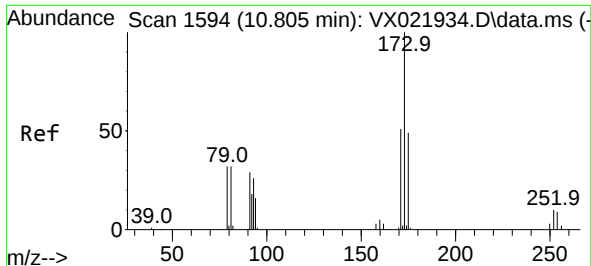
Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

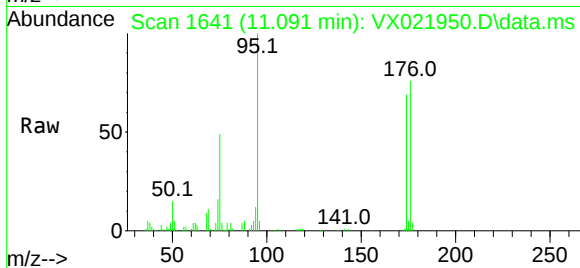
72 0.0 22.1 33.1#



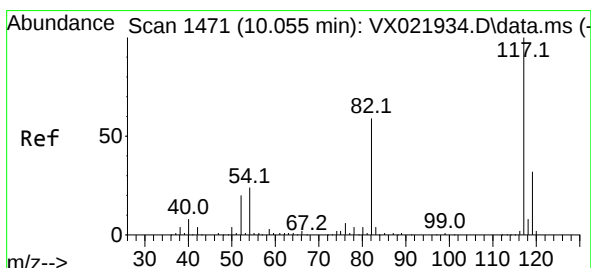
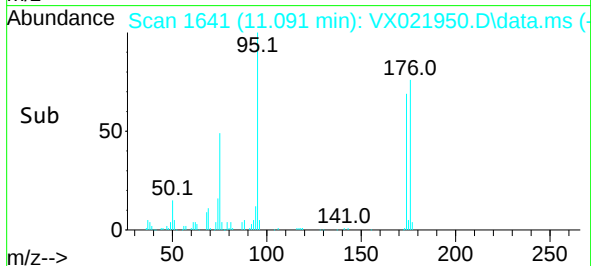
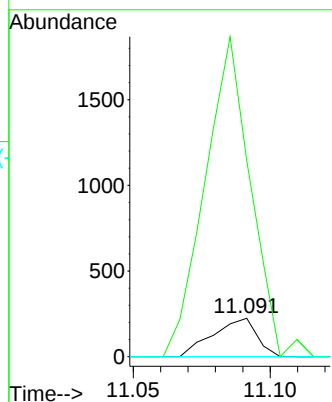


#56
Bromoform
Concen: 0.32 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.287 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Instrument :
MSVOA_X
ClientSampled :
14B-4

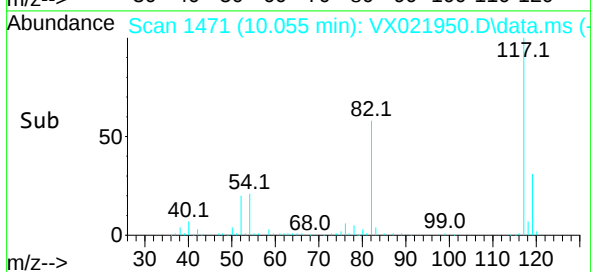
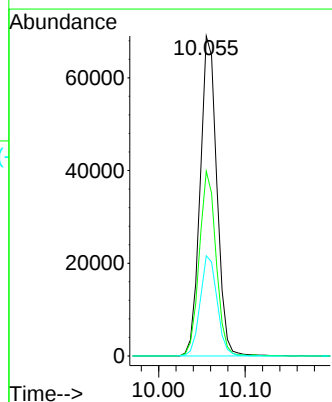
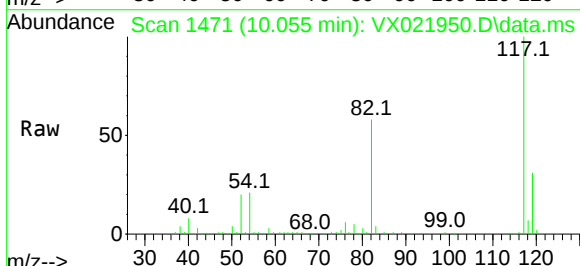


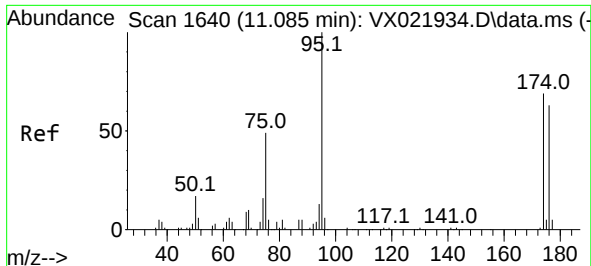
Tgt Ion:173 Resp: 251
Ion Ratio Lower Upper
173 100
175 849.4 39.4 59.2#
254 0.0 8.0 12.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion:117 Resp: 92389
Ion Ratio Lower Upper
117 100
82 57.8 44.9 67.3
119 31.7 25.0 37.6

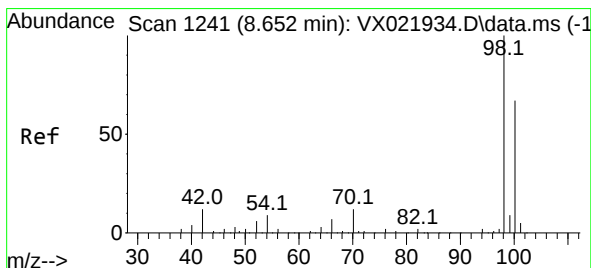
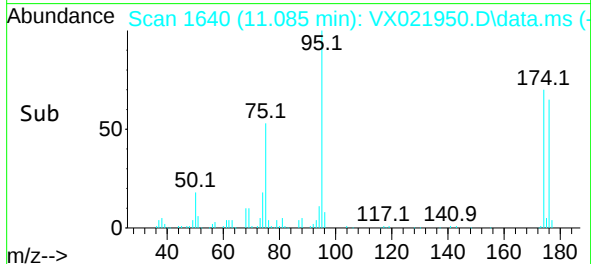
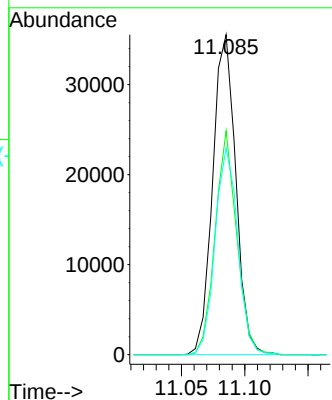
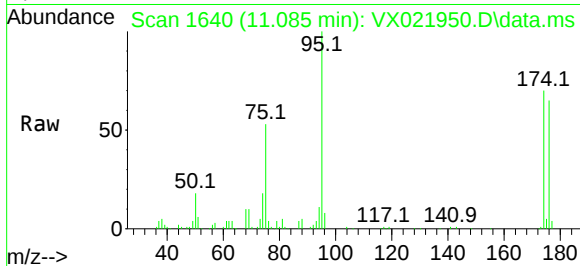




#60
4-Bromofluorobenzene
Concen: 29.37 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

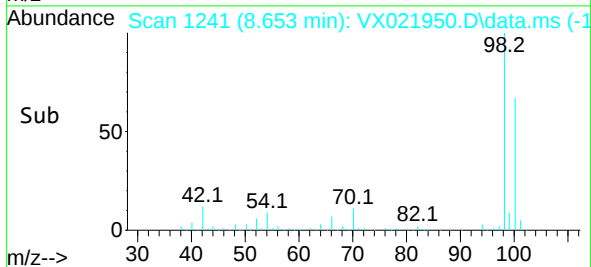
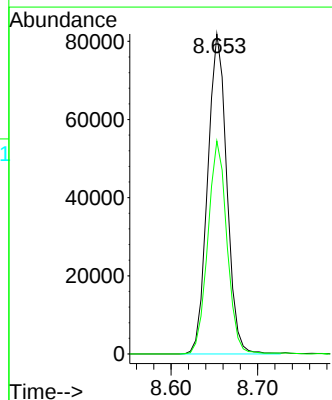
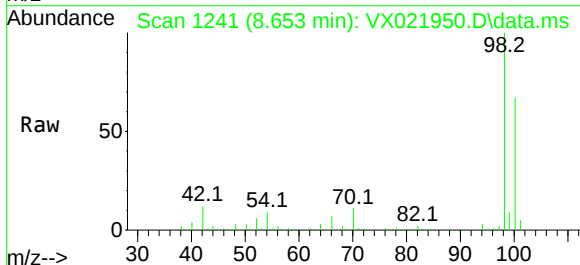
Instrument :
MSVOA_X
ClientSampleId :
14B-4

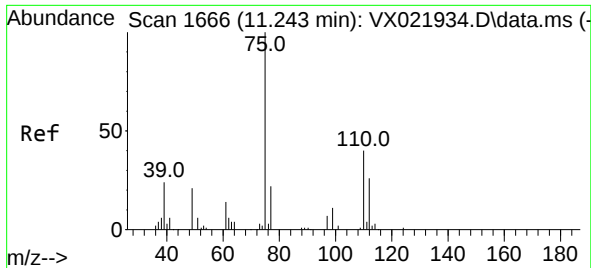
Tgt Ion: 95 Resp: 45036
Ion Ratio Lower Upper
95 100
174 65.6 52.2 78.2
176 63.6 49.3 73.9



#63
Toluene-d8
Concen: 29.77 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion: 98 Resp: 125668
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

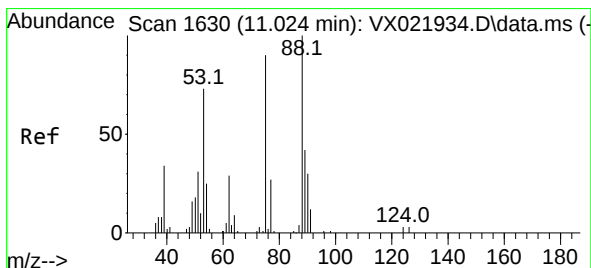
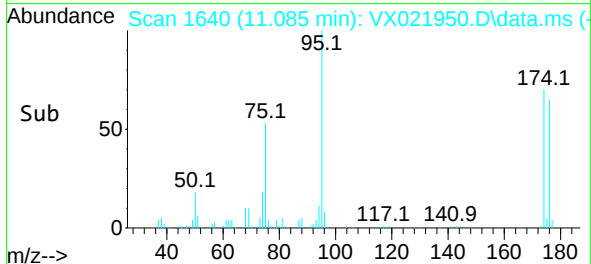
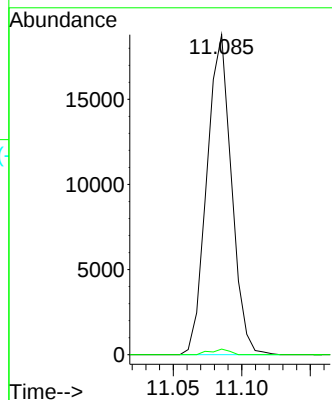
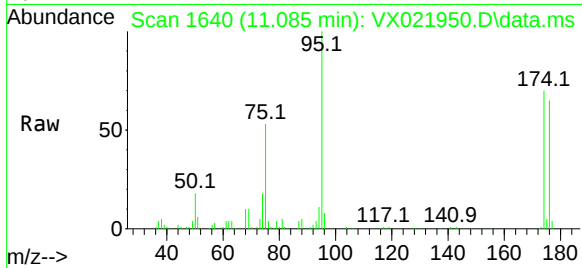




#72
1,2,3-Trichloropropane
Concen: 14.27 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Instrument :
MSVOA_X
ClientSampled :
14B-4

Tgt Ion: 75 Resp: 23535
Ion Ratio Lower Upper
75 100
77 1.4 0.0 33.0



#77
t-1,4-Dichloro-2-butene
Concen: 35.21 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021950.D
Acq: 13 May 2021 01:05

Tgt Ion: 75 Resp: 23535
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

