

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022217.D
 Acq On : 27 May 2021 00:32
 Operator : JC/MD
 Sample : VX0527WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBL02

Quant Time: May 27 05:00:34 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)

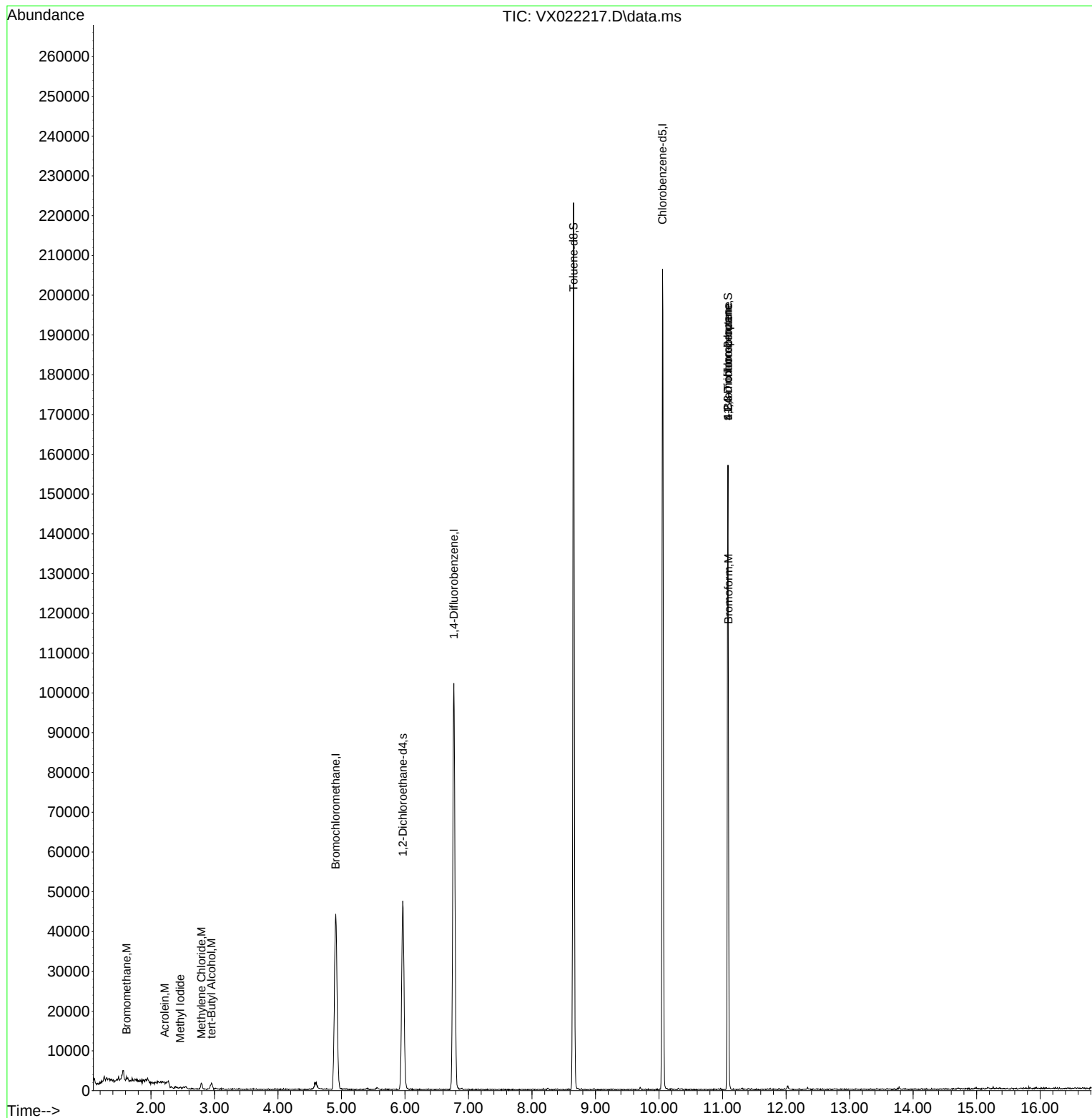
Internal Standards						
1) Bromochloromethane	4.910	128	17364	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	104548	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	90552	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42732	31.95	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.50%
60) 4-Bromofluorobenzene	11.085	95	43428	28.90	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.33%
63) Toluene-d8	8.653	98	125650	30.37	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.23%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	255	0.35	ug/l #	43
11) Methyl Iodide	2.459	142	382	0.37	ug/l #	84
13) Acrolein	2.215	56	69	0.31	ug/l #	73
18) Methylene Chloride	2.794	84	650	0.53	ug/l #	82
23) tert-Butyl Alcohol	2.953	59	758	2.68	ug/l #	100
56) Bromoform	11.091	173	215	0.27	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22849	14.14	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	22849	34.88	ug/l #	17

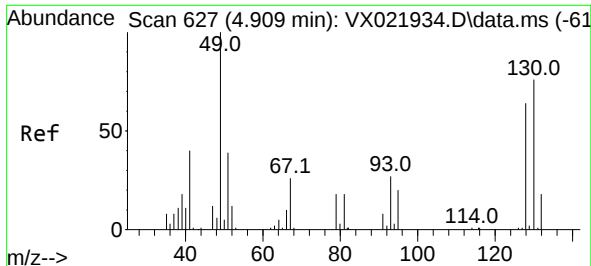
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 27 05:00:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
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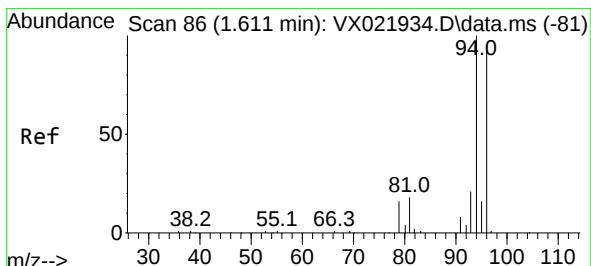
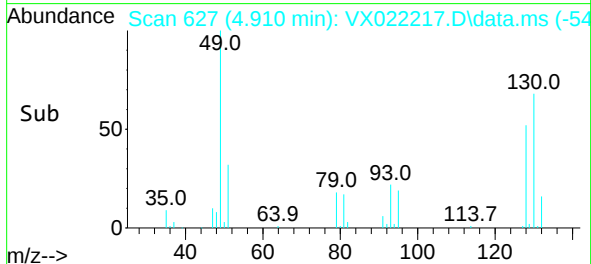
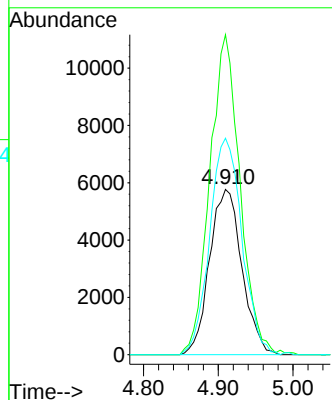
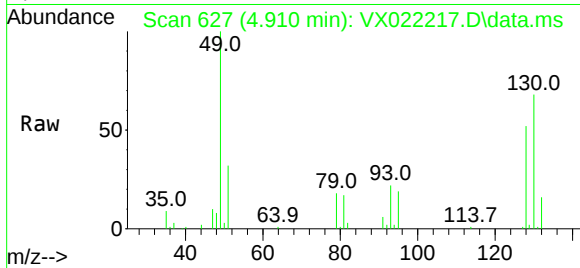




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.001 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

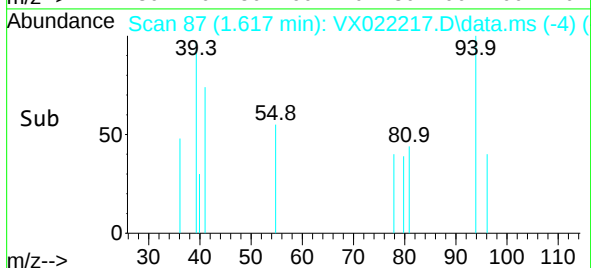
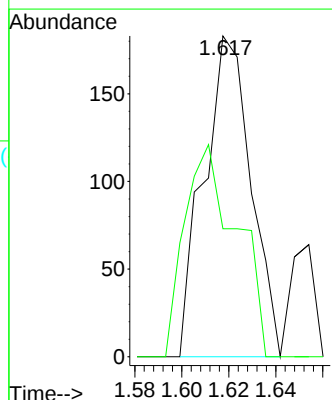
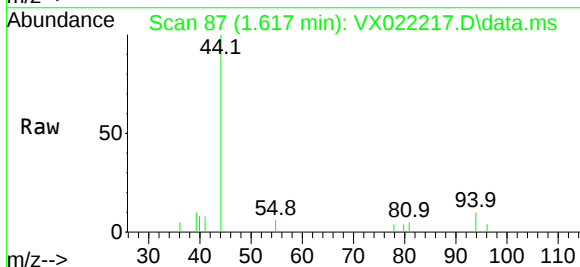
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02

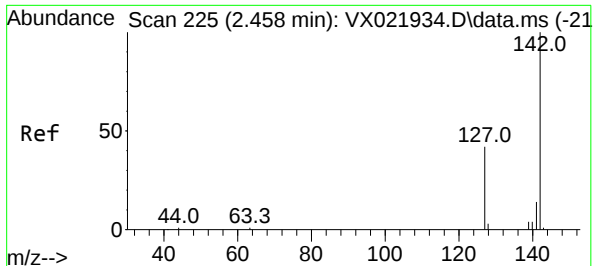
Tgt Ion:128 Resp: 17364
Ion Ratio Lower Upper
128 100
49 180.0 0.0 442.5
130 130.9 0.0 323.3



#5
Bromomethane
Concen: 0.35 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

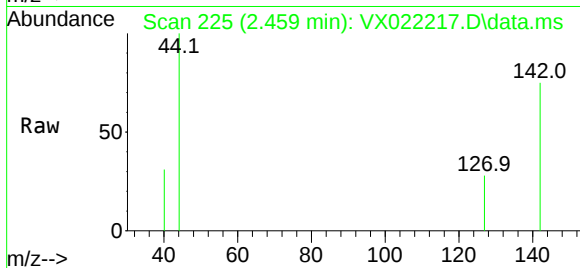
Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 39.9 76.1 114.1#



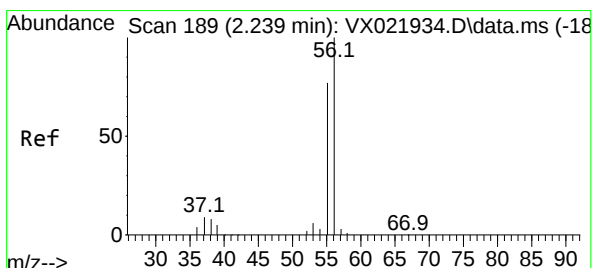
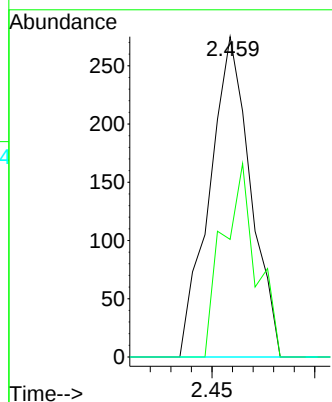
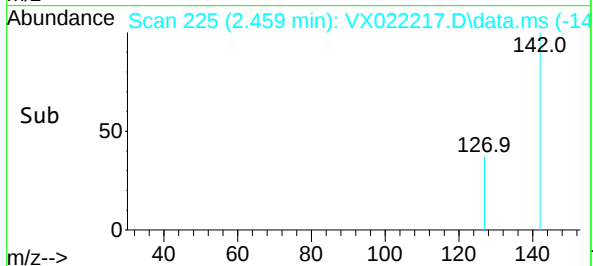


#11
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

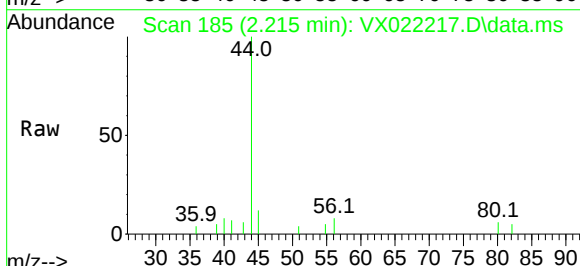
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02



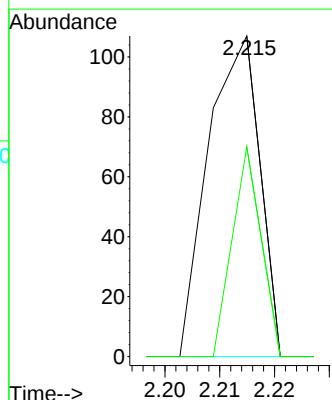
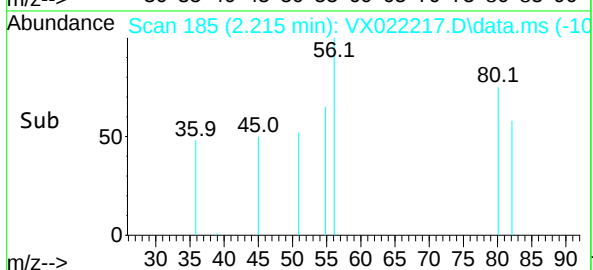
Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
127 36.7 21.3 63.7
141 0.0 7.2 21.6#

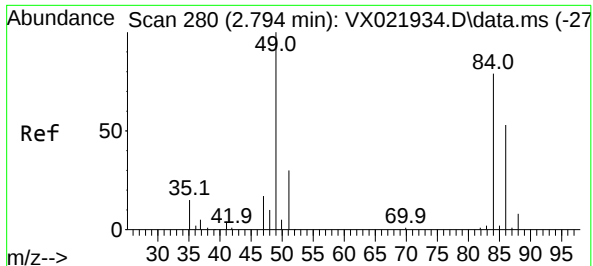


#13
Acrolein
Concen: 0.31 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32



Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 94.2 57.6 86.4#





#18

Methylene Chloride

Concen: 0.53 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022217.D

Acq: 27 May 2021 00:32

Tgt Ion: 84 Resp: 650

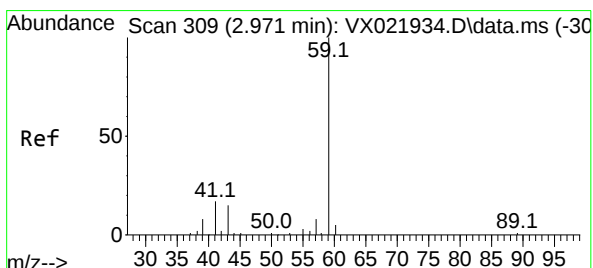
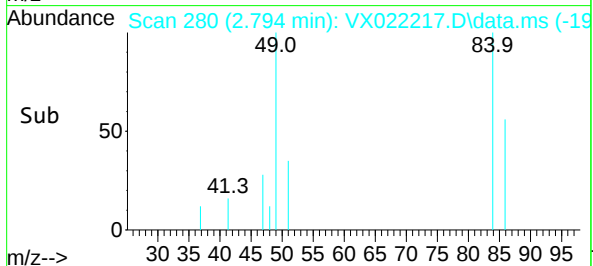
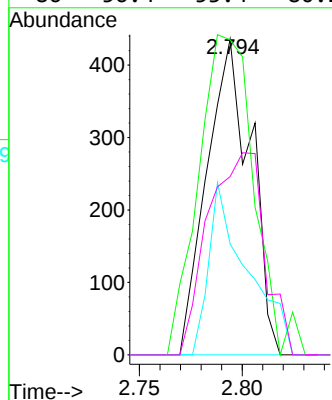
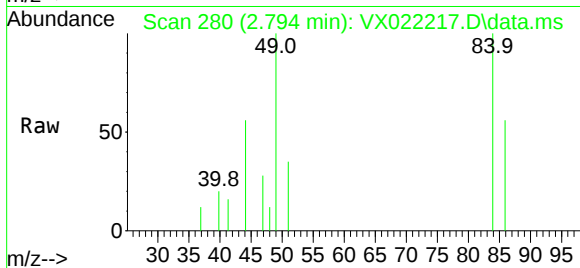
Ion Ratio Lower Upper

84 100

49 99.8 101.6 152.4#

51 35.1 30.5 45.7

86 56.4 53.4 80.2



#23

tert-Butyl Alcohol

Concen: 2.68 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.018 min

Lab File: VX022217.D

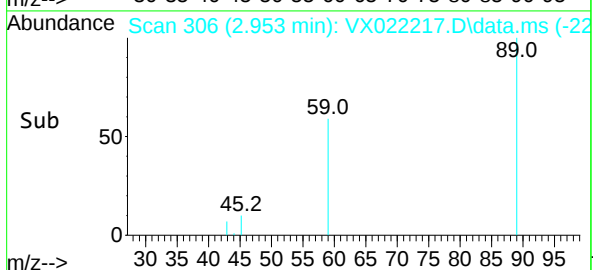
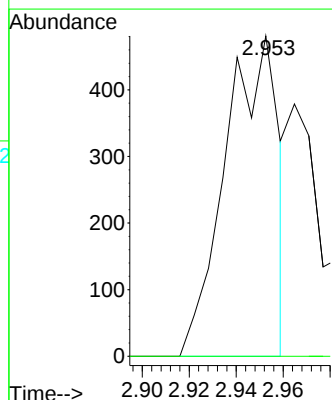
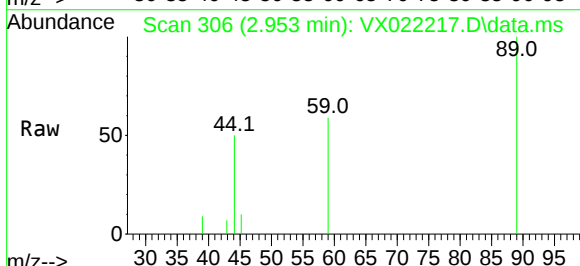
Acq: 27 May 2021 00:32

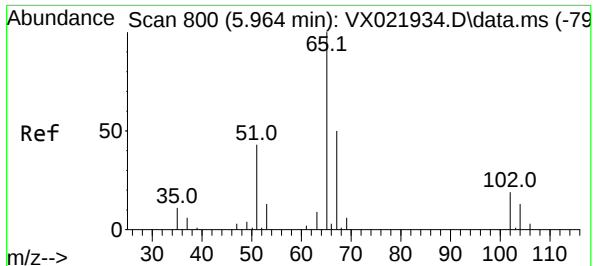
Tgt Ion: 59 Resp: 758

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



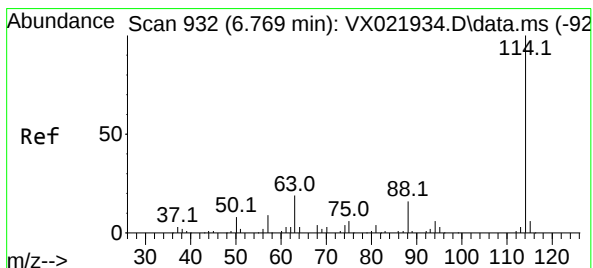
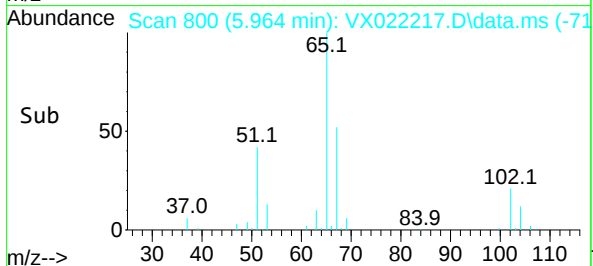
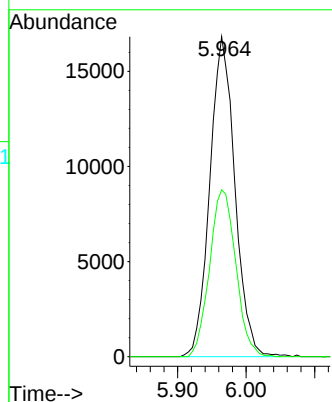
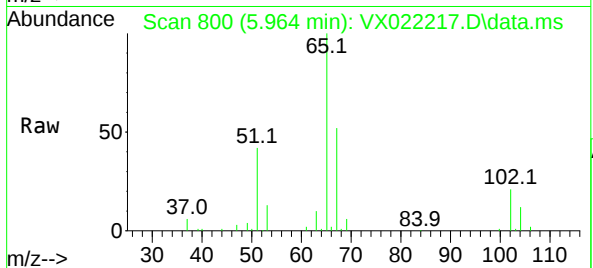


#27

1,2-Dichloroethane-d4
Concen: 31.95 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02

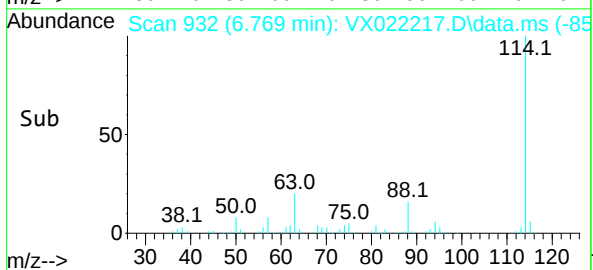
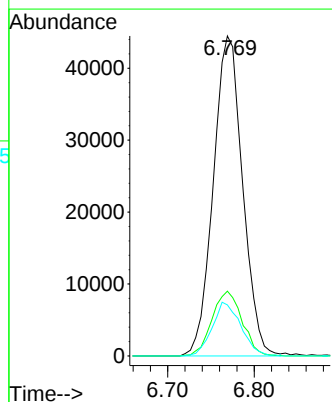
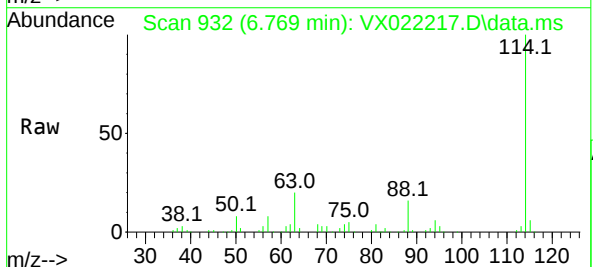
Tgt Ion: 65 Resp: 42732
Ion Ratio Lower Upper
65 100
67 54.4 41.5 62.3

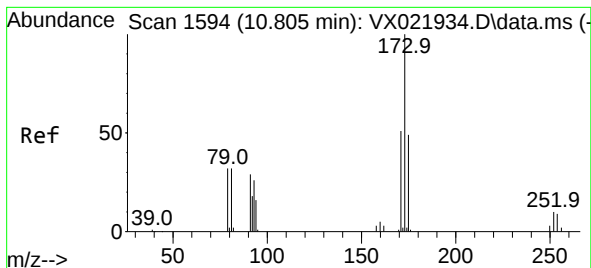


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

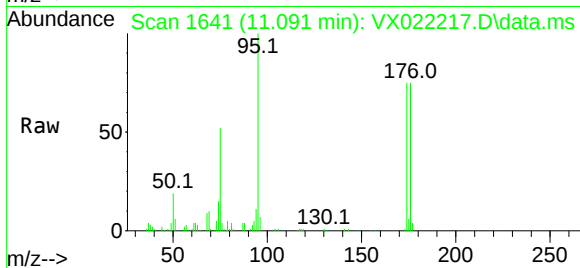
Tgt Ion: 114 Resp: 104548
Ion Ratio Lower Upper
114 100
63 20.7 16.6 25.0
88 16.5 13.1 19.7



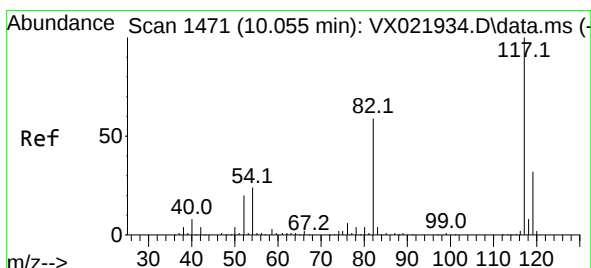
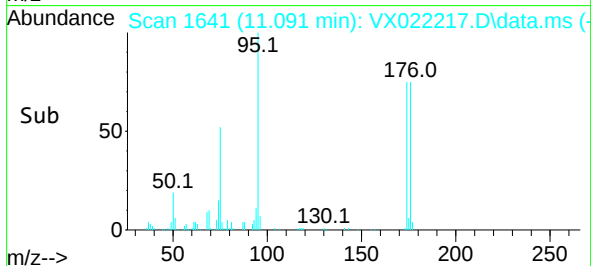
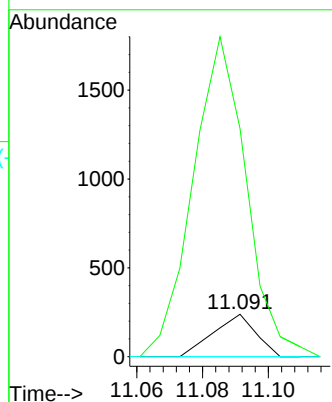


#56
Bromoform
Concen: 0.27 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.287 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02

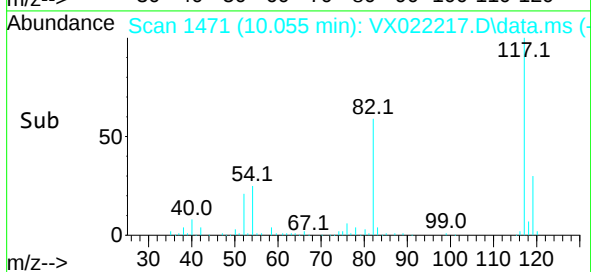
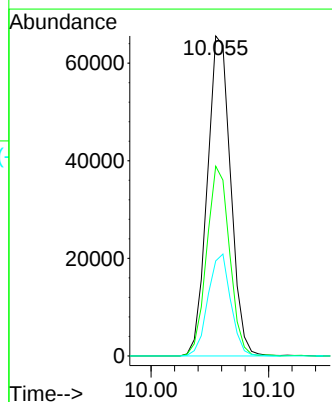
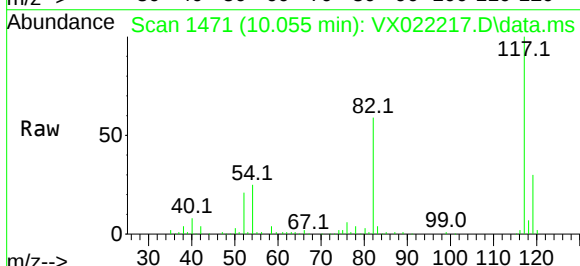


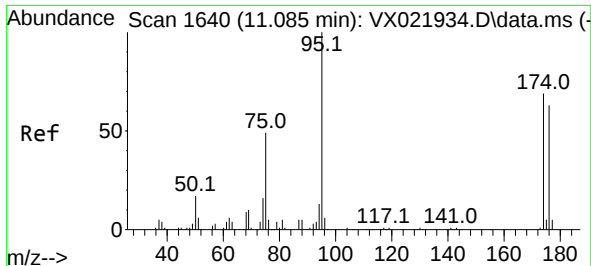
Tgt Ion:173 Resp: 215
Ion Ratio Lower Upper
173 100
175 942.3 39.4 59.2#
254 0.0 8.0 12.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Tgt Ion:117 Resp: 90552
Ion Ratio Lower Upper
117 100
82 58.0 44.9 67.3
119 31.0 25.0 37.6

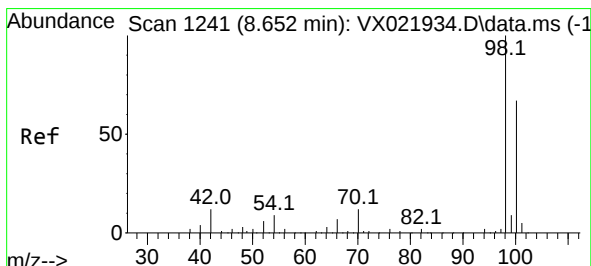
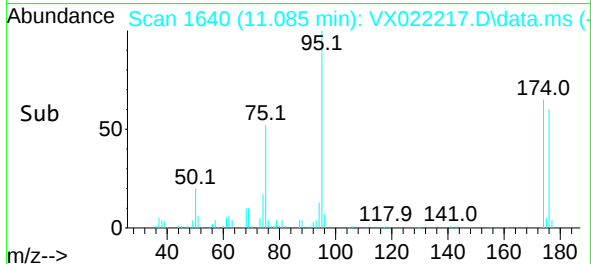
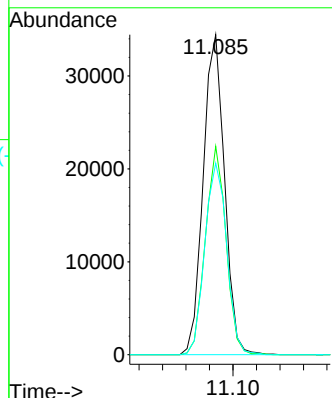
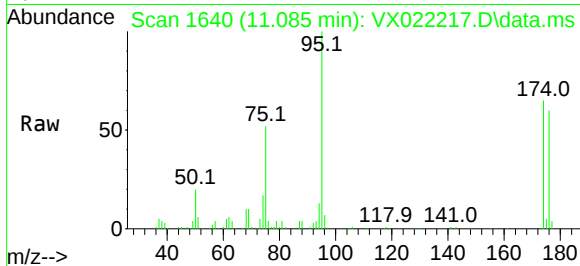




#60
4-Bromofluorobenzene
Concen: 28.90 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

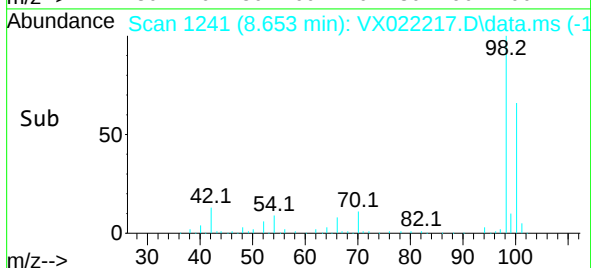
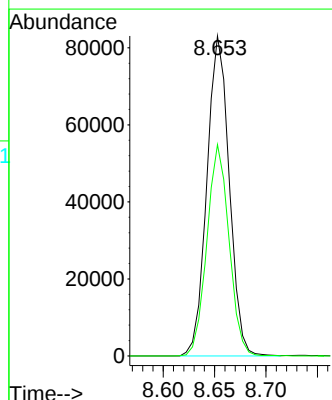
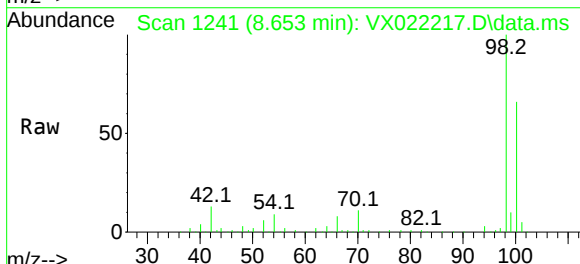
Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02

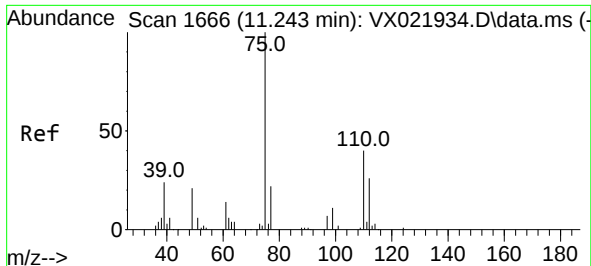
Tgt Ion: 95 Resp: 43428
Ion Ratio Lower Upper
95 100
174 62.7 52.2 78.2
176 61.6 49.3 73.9



#63
Toluene-d8
Concen: 30.37 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Tgt Ion: 98 Resp: 125650
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

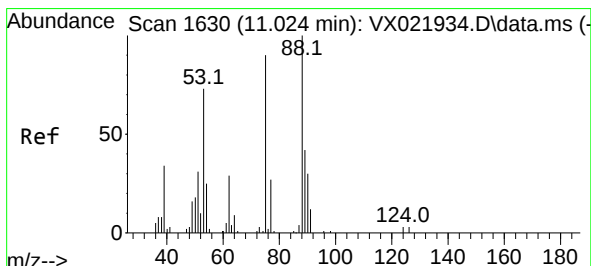
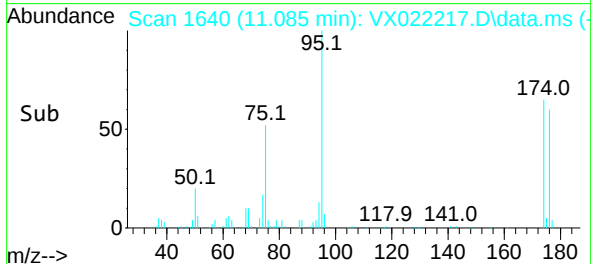
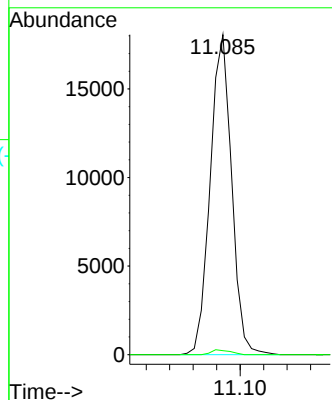
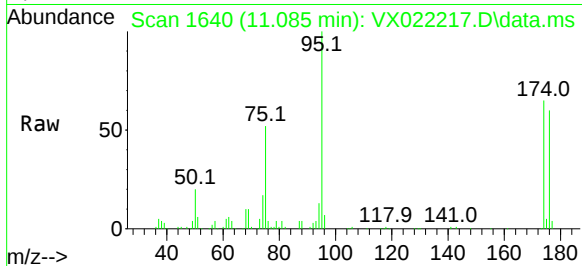




#72
1,2,3-Trichloropropane
Concen: 14.14 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBL02

Tgt Ion: 75 Resp: 22849
Ion Ratio Lower Upper
75 100
77 1.3 0.0 33.0



#77
t-1,4-Dichloro-2-butene
Concen: 34.88 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022217.D
Acq: 27 May 2021 00:32

Tgt Ion: 75 Resp: 22849
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

