

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021943.D
 Acq On : 12 May 2021 22:24
 Operator : JC/MD
 Sample : M2352-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 13 06:27:46 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)

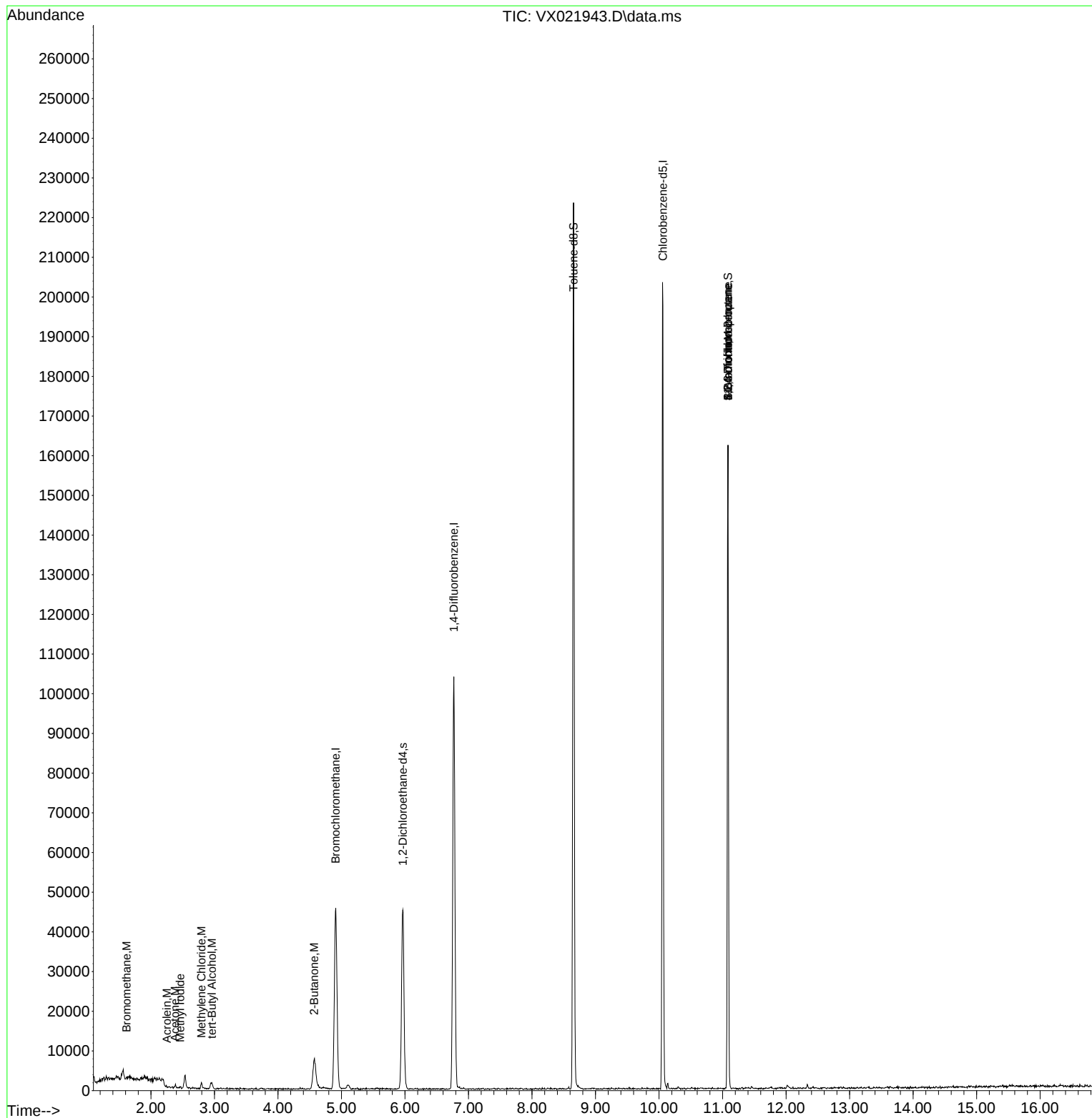
Internal Standards						
1) Bromochloromethane	4.909	128	17223	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	105430	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	93069	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42137	31.76	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.87%
60) 4-Bromofluorobenzene	11.085	95	44896	29.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.90%
63) Toluene-d8	8.653	98	127048	29.87	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.57%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	272	0.38	ug/l	95
11) Methyl Iodide	2.459	142	512	0.50	ug/l #	87
13) Acrolein	2.251	56	114	0.52	ug/l	100
15) Acetone	2.379	58	218	1.26	ug/l #	9
18) Methylene Chloride	2.794	84	701	0.58	ug/l #	89
23) tert-Butyl Alcohol	2.959	59	1285	4.58	ug/l #	100
30) 2-Butanone	4.568	43	478	0.51	ug/l #	54
56) Bromoform	11.085	173	266	0.34	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22449	13.52	ug/l	64
77) t-1,4-Dichloro-2-butene	11.085	75	22449	33.34	ug/l #	17

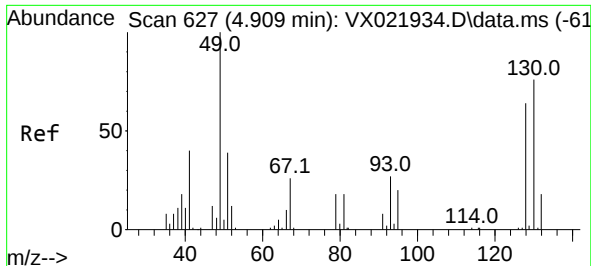
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 13 06:27:46 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

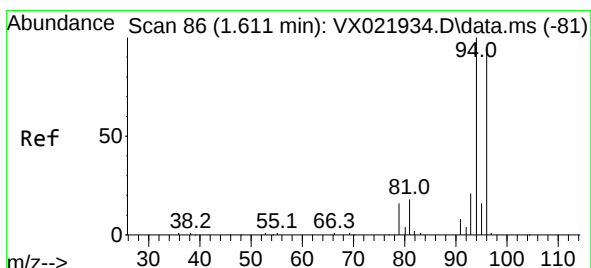
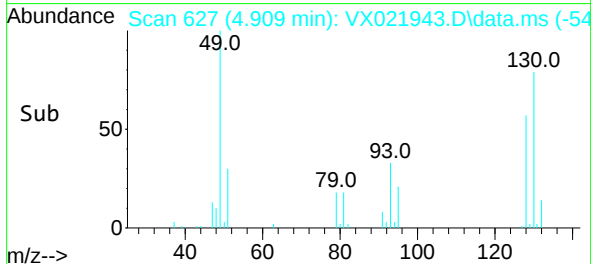
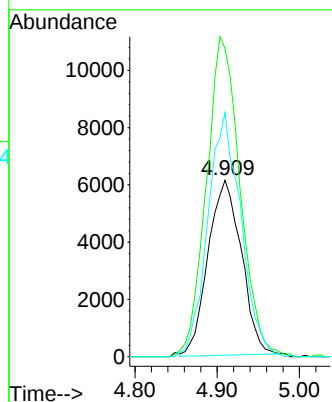
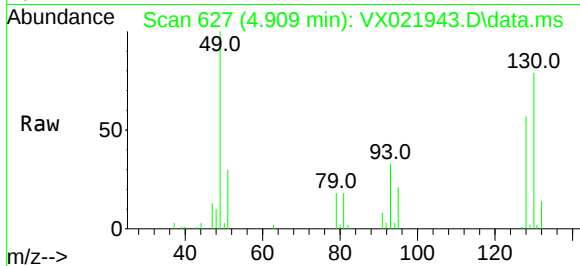




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

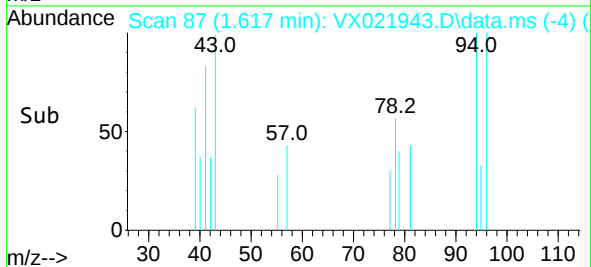
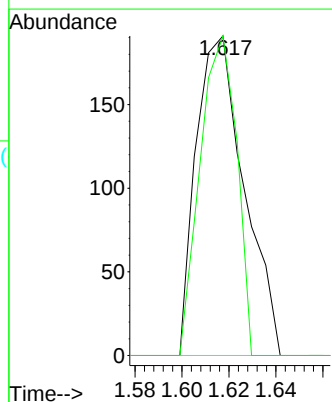
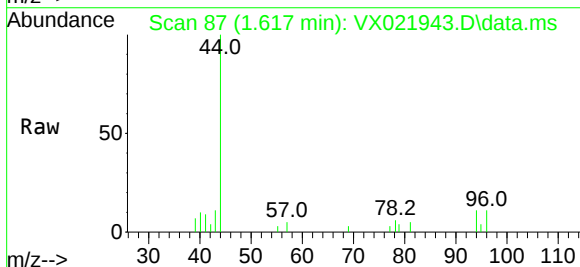
Instrument :
MSVOA_X
ClientSampleId :

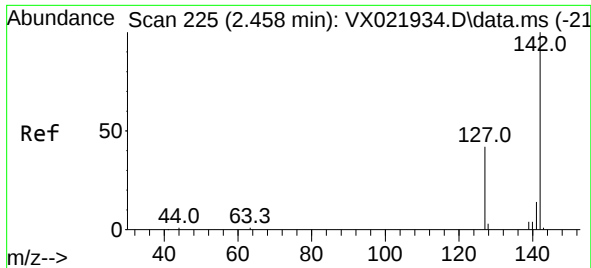
Tgt Ion:128 Resp: 17223
Ion Ratio Lower Upper
128 100
49 184.7 0.0 442.5
130 139.0 0.0 323.3



#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 100.0 76.1 114.1





#11

Methyl Iodide

Concen: 0.50 ug/l

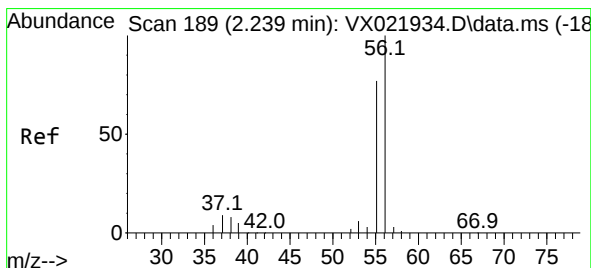
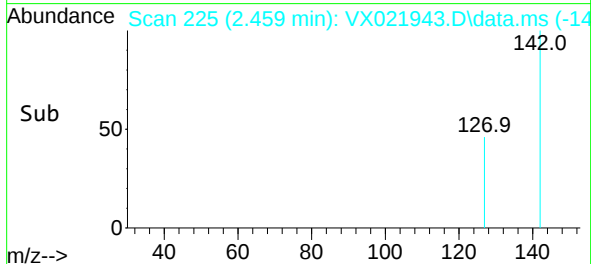
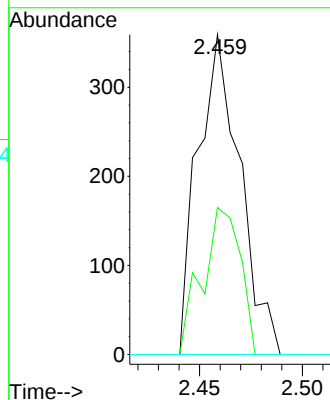
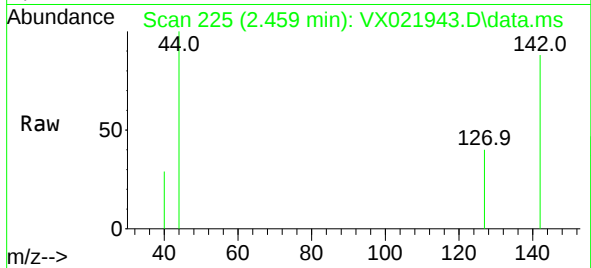
RT: 2.459 min Scan# 225

Delta R.T. 0.000 min

Lab File: VX021943.D

Acq: 12 May 2021 22:24

Tgt Ion:142	Resp:	512
Ion	Ratio	Lower Upper
142	100	
127	46.0	21.3 63.7
141	0.0	7.2 21.6#



#13

Acrolein

Concen: 0.52 ug/l

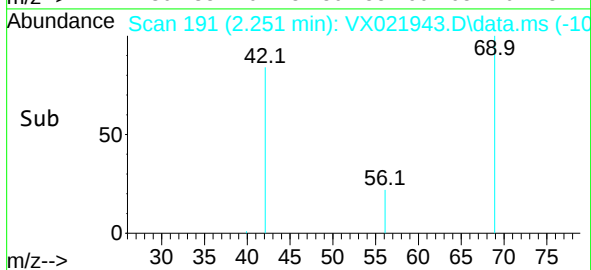
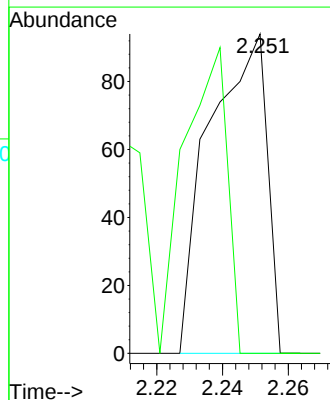
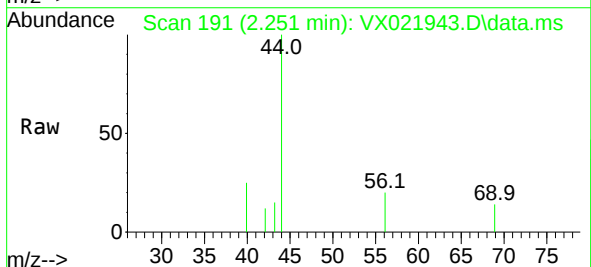
RT: 2.251 min Scan# 191

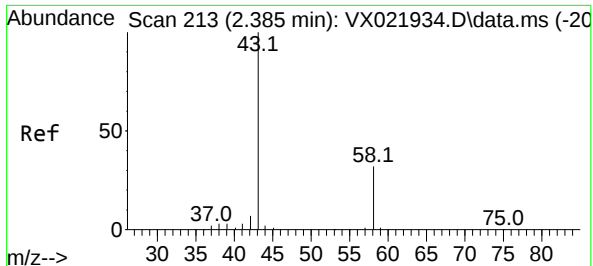
Delta R.T. 0.012 min

Lab File: VX021943.D

Acq: 12 May 2021 22:24

Tgt Ion: 56	Resp:	114
Ion	Ratio	Lower Upper
56	100	
55	71.9	57.6 86.4

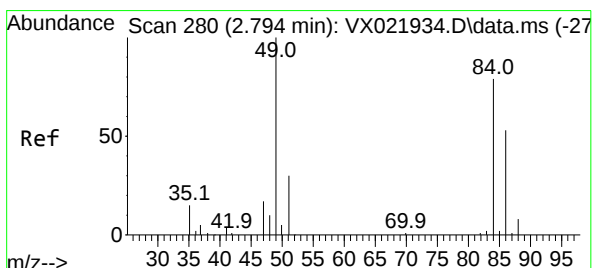
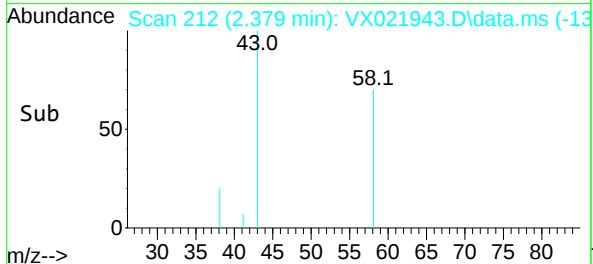
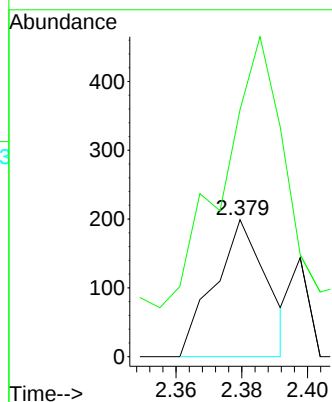
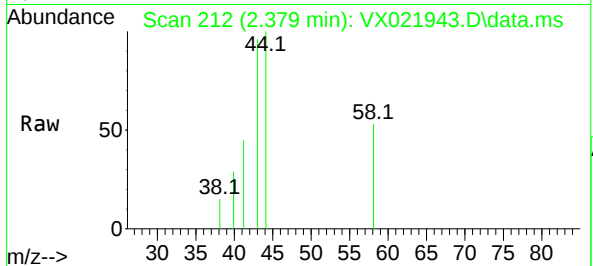




#15
Acetone
Concen: 1.26 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

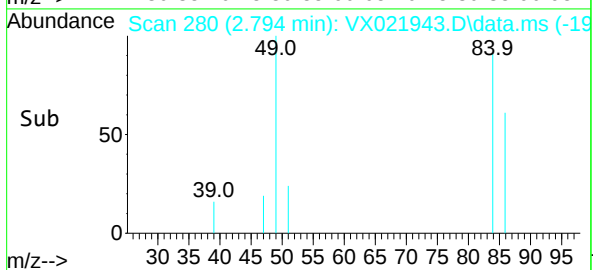
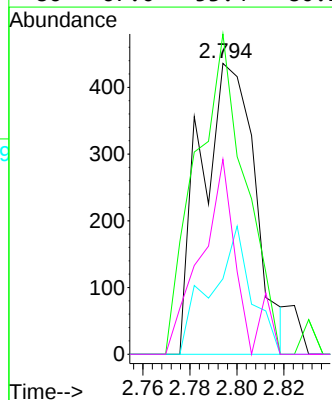
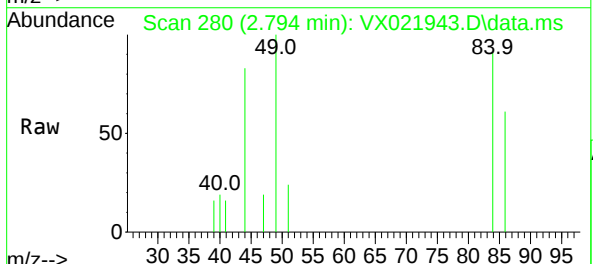
Instrument :
MSVOA_X
ClientSampled :

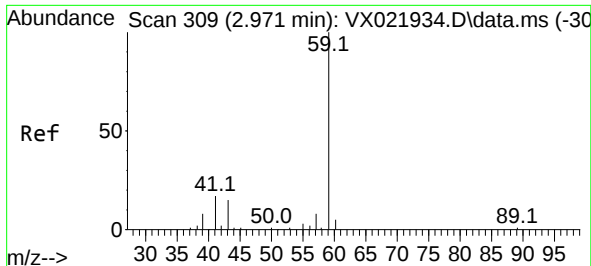
Tgt Ion: 58 Resp: 218
Ion Ratio Lower Upper
58 100
43 129.1 249.5 374.3#



#18
Methylene Chloride
Concen: 0.58 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Tgt Ion: 84 Resp: 701
Ion Ratio Lower Upper
84 100
49 110.1 101.6 152.4
51 25.9 30.5 45.7#
86 67.0 53.4 80.2

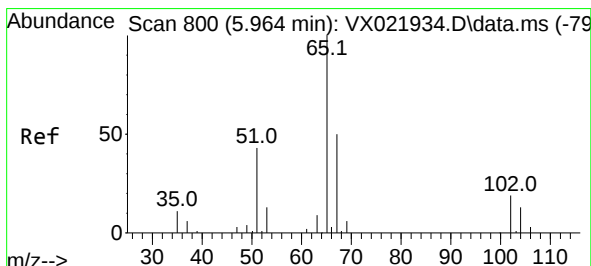
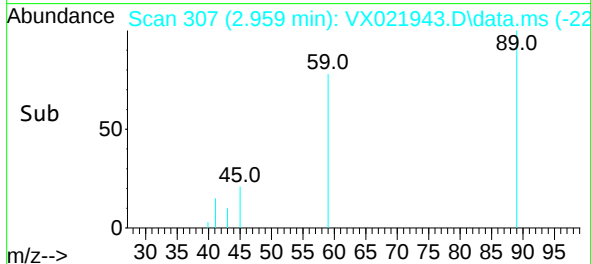
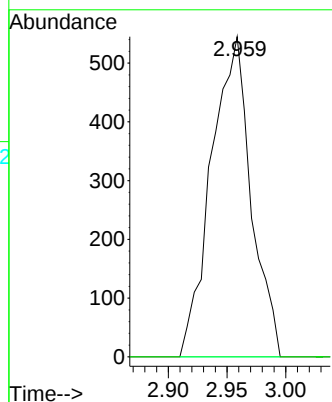
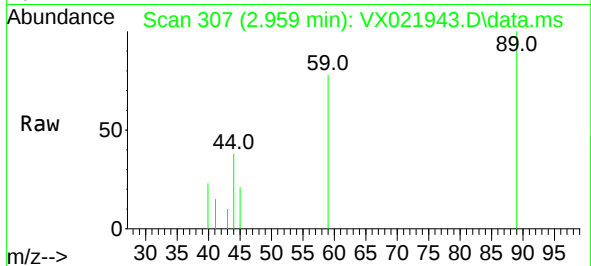




#23
tert-Butyl Alcohol
Concen: 4.58 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

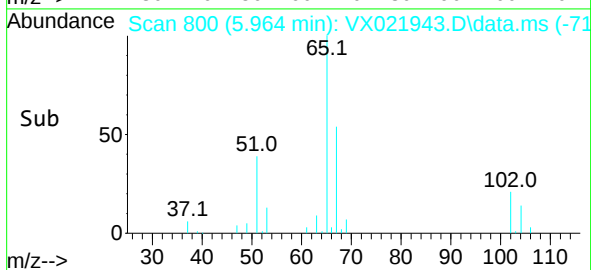
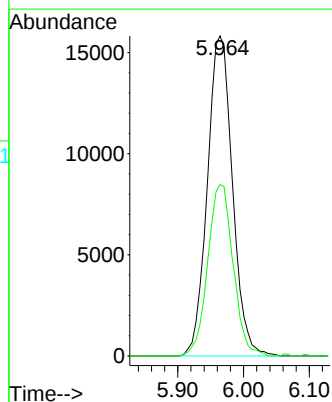
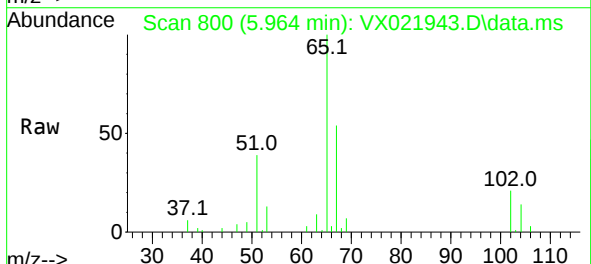
Instrument :
MSVOA_X
ClientSampled :

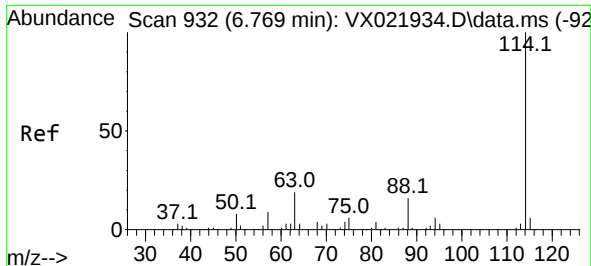
Tgt Ion: 59 Resp: 1285
Ion Ratio Lower Upper
59 100
52 4.5 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 31.76 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Tgt Ion: 65 Resp: 42137
Ion Ratio Lower Upper
65 100
67 54.0 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: VX021943.D

Acq: 12 May 2021 22:24

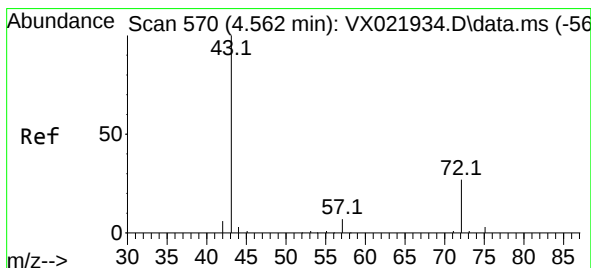
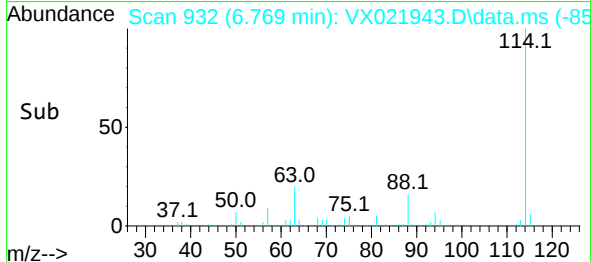
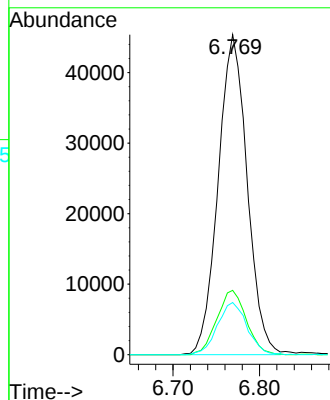
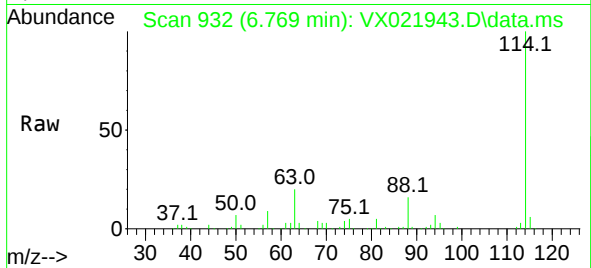
Tgt Ion:114 Resp: 105430

Ion Ratio Lower Upper

114 100

63 20.4 16.6 25.0

88 16.7 13.1 19.7



#30

2-Butanone

Concen: 0.51 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX021943.D

Acq: 12 May 2021 22:24

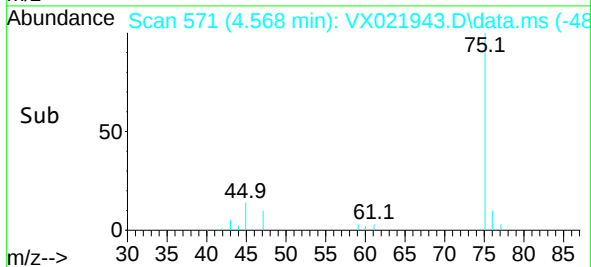
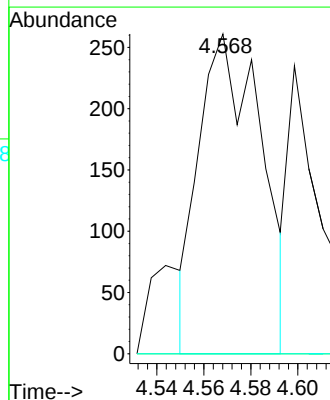
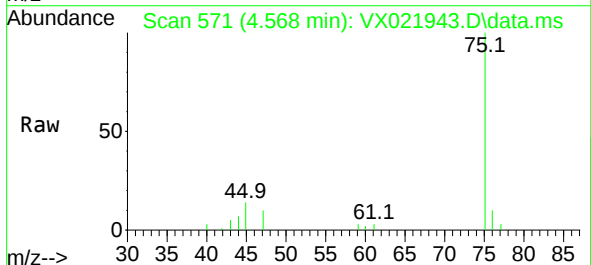
Tgt Ion: 43 Resp: 478

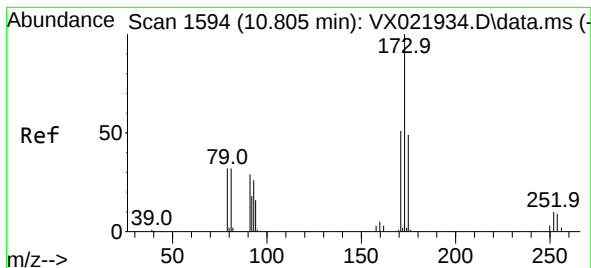
Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

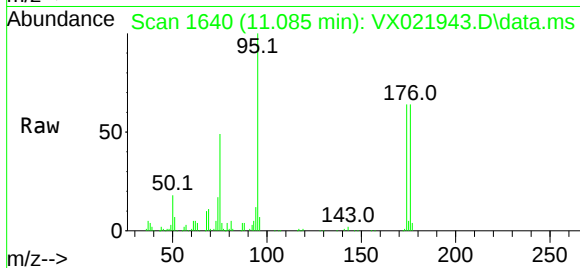
72 0.0 22.1 33.1#



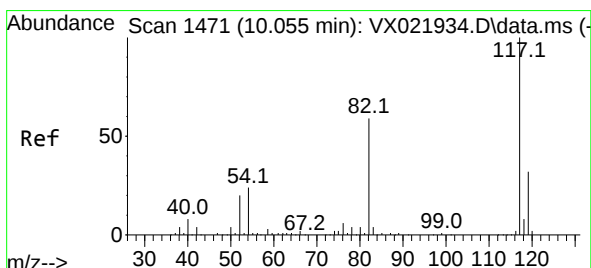
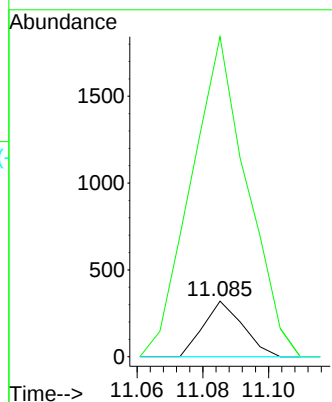
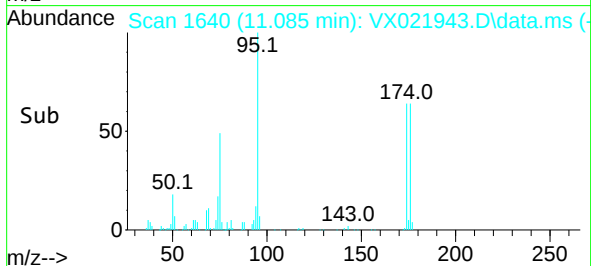


#56
Bromoform
Concen: 0.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

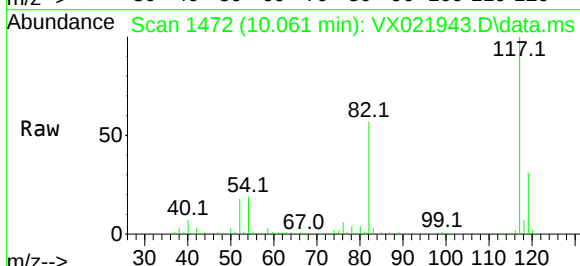
Instrument :
MSVOA_X
ClientSampleId :



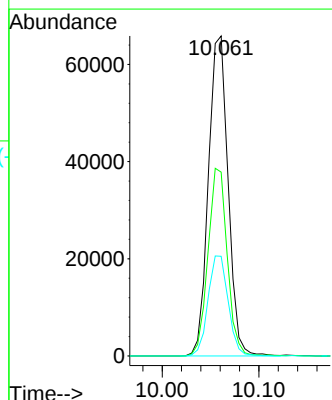
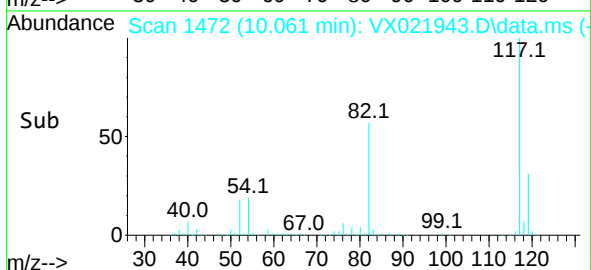
Tgt Ion:173 Resp: 266
Ion Ratio Lower Upper
173 100
175 820.3 39.4 59.2#
254 0.0 8.0 12.0#

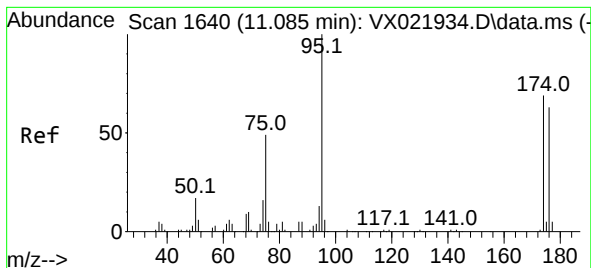


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24



Tgt Ion:117 Resp: 93069
Ion Ratio Lower Upper
117 100
82 57.6 44.9 67.3
119 32.0 25.0 37.6

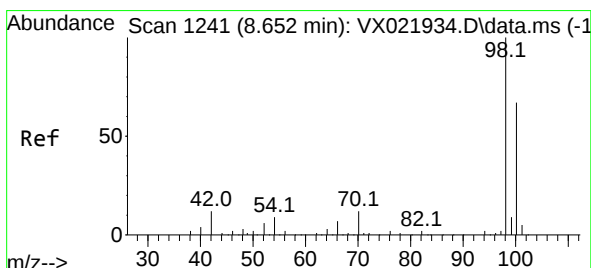
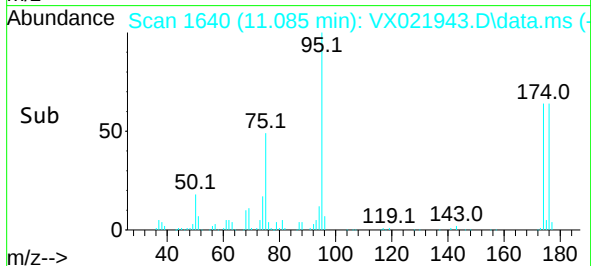
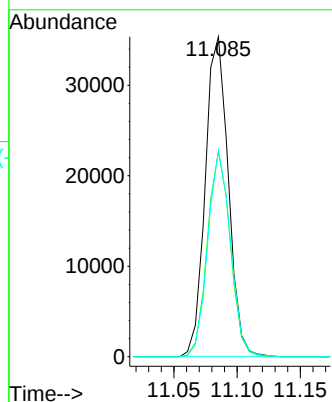
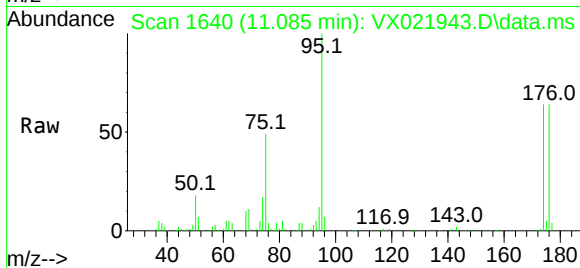




#60
4-Bromofluorobenzene
Concen: 29.07 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

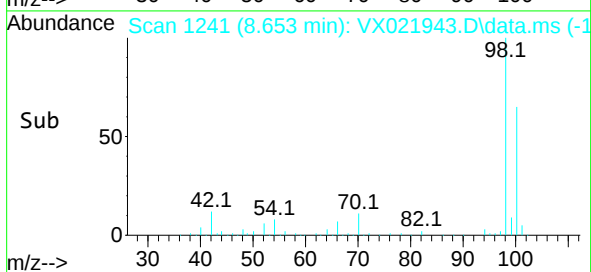
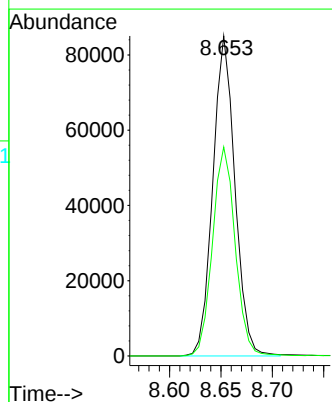
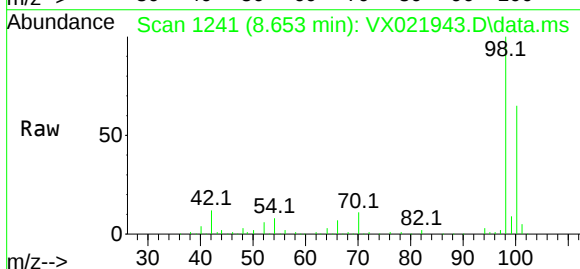
Instrument :
MSVOA_X
ClientSampleId :

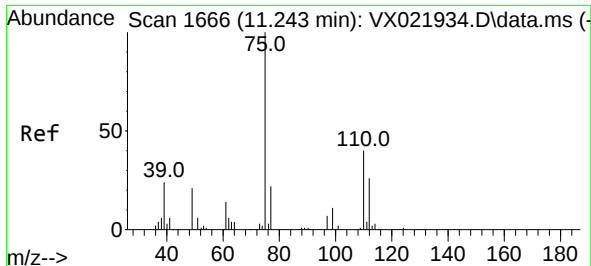
Tgt Ion: 95 Resp: 44896
Ion Ratio Lower Upper
95 100
174 63.4 52.2 78.2
176 63.5 49.3 73.9



#63
Toluene-d8
Concen: 29.87 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Tgt Ion: 98 Resp: 127048
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

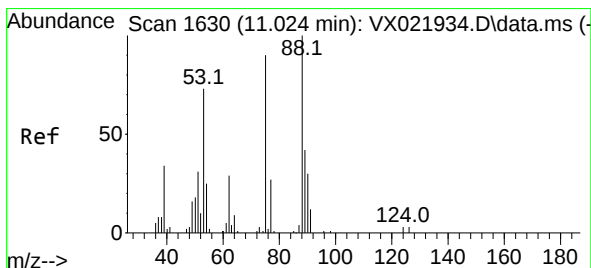
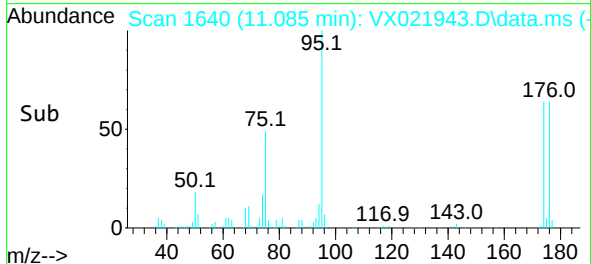
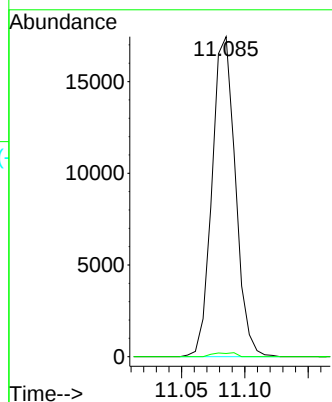
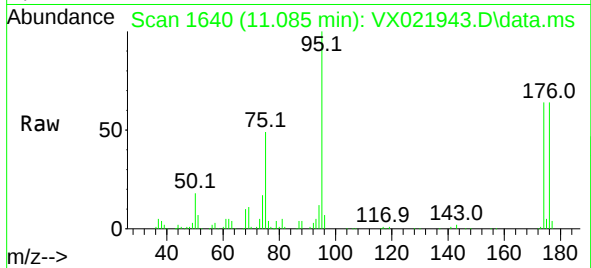




#72
1,2,3-Trichloropropane
Concen: 13.52 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 22449
Ion Ratio Lower Upper
75 100
77 1.2 0.0 33.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021943.D
Acq: 12 May 2021 22:24

Tgt Ion: 75 Resp: 22449
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

