

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021947.D
 Acq On : 12 May 2021 23:56
 Operator : JC/MD
 Sample : M2359-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: May 13 06:28:42 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)

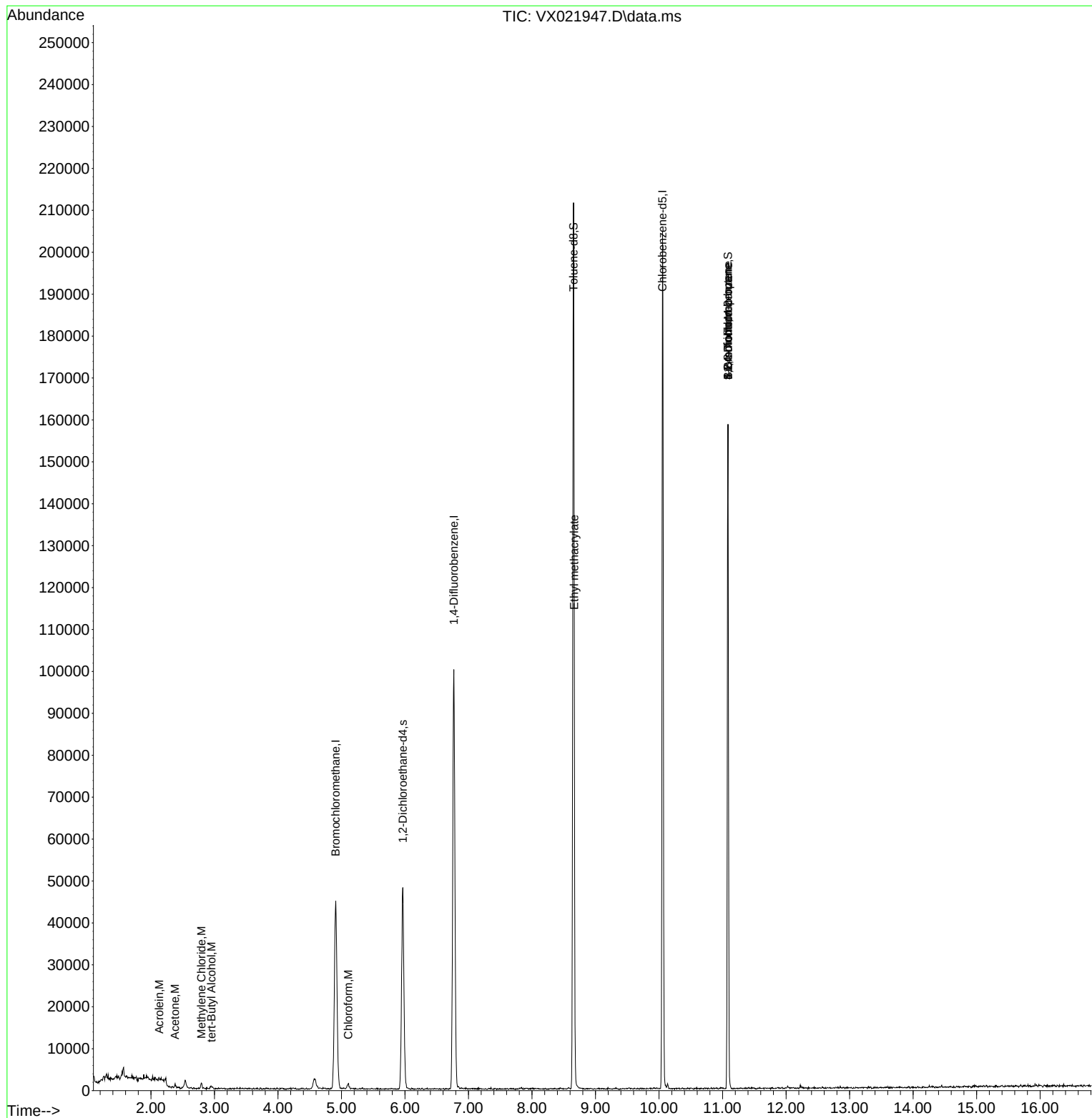
Internal Standards						
1) Bromochloromethane	4.910	128	18381	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	101323	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	90834	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42412	29.96	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.87%
60) 4-Bromofluorobenzene	11.085	95	44450	29.49	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.30%
63) Toluene-d8	8.653	98	124181	29.92	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.73%
Target Compounds						
					Qvalue	
13) Acrolein	2.130	56	98	0.42	ug/l	96
15) Acetone	2.380	58	245	1.33	ug/l	71
18) Methylene Chloride	2.794	84	542	0.42	ug/l #	95
23) tert-Butyl Alcohol	2.953	59	360	1.20	ug/l #	100
25) Chloroform	5.105	83	1364	0.62	ug/l	92
51) Ethyl methacrylate	8.665	69	483	0.25	ug/l	68
56) Bromoform	11.085	173	302	0.40	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22833	14.09	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	22833	34.75	ug/l #	17

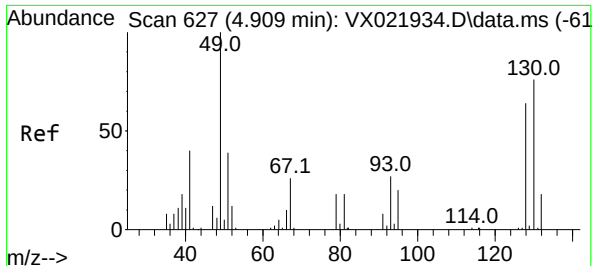
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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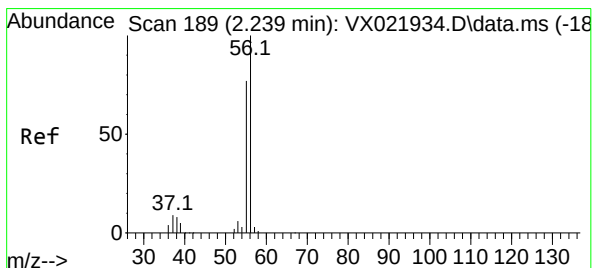
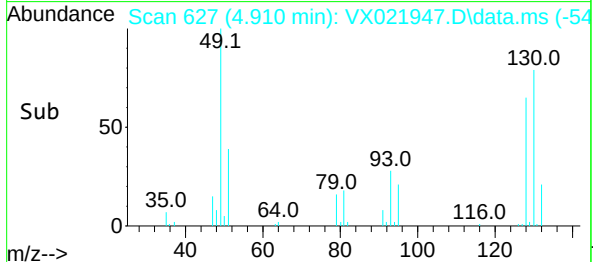
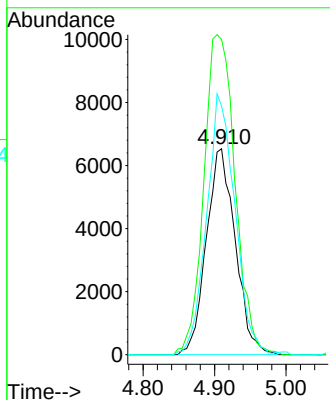
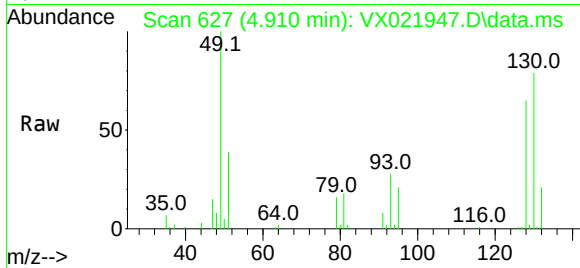




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.001 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

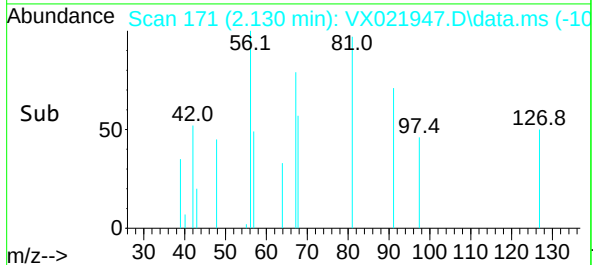
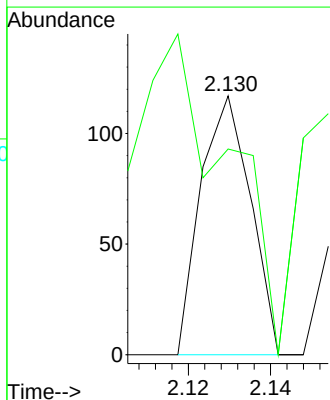
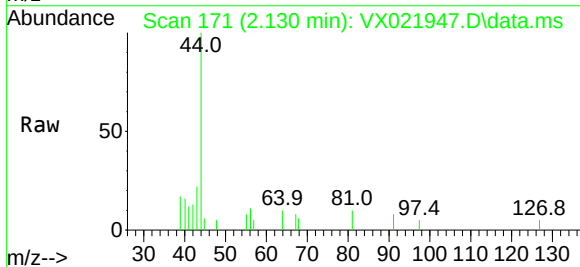
Instrument :
MSVOA_X
ClientSampled :
14B-1

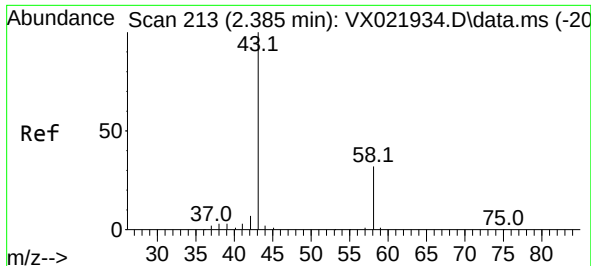
Tgt Ion:128 Resp: 18381
Ion Ratio Lower Upper
128 100
49 167.4 0.0 442.5
130 123.9 0.0 323.3



#13
Acrolein
Concen: 0.42 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.109 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 68.4 57.6 86.4

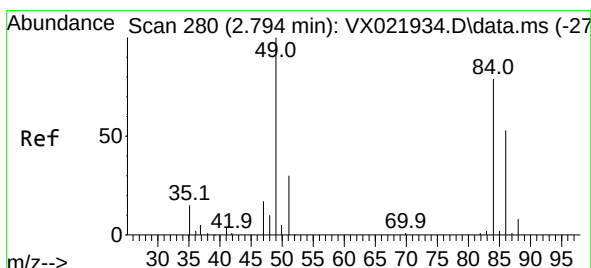
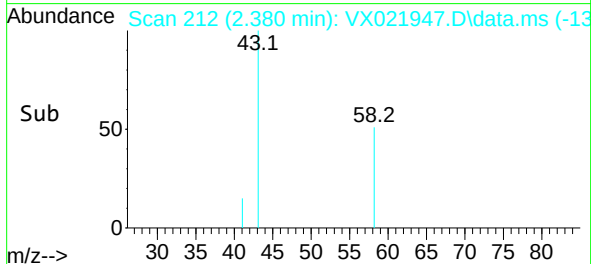
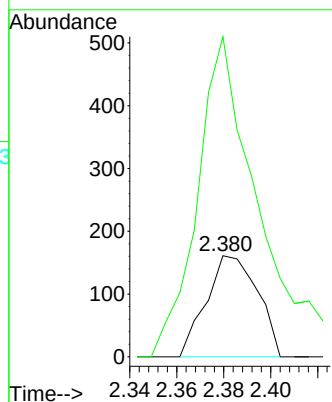
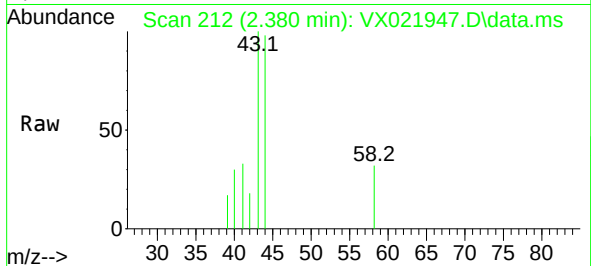




#15
Acetone
Concen: 1.33 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.005 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

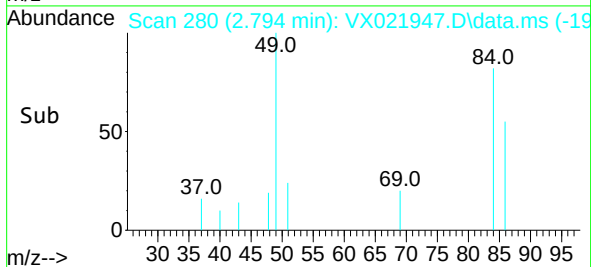
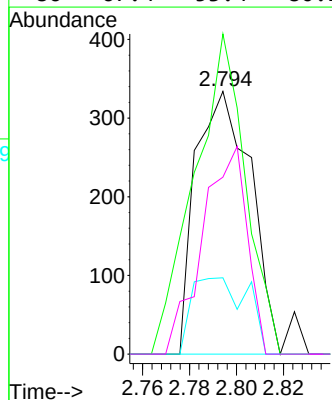
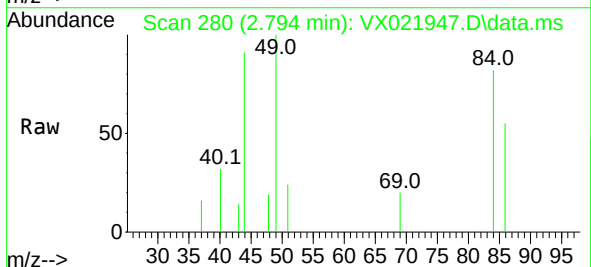
Instrument :
MSVOA_X
ClientSampled :
14B-1

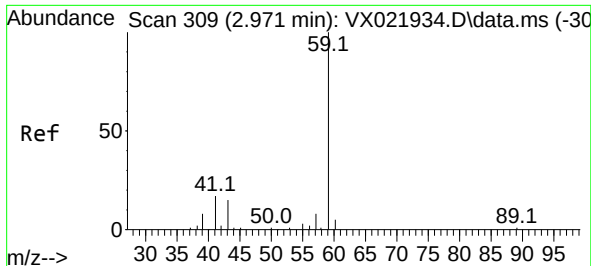
Tgt Ion: 58 Resp: 245
Ion Ratio Lower Upper
58 100
43 253.4 249.5 374.3



#18
Methylene Chloride
Concen: 0.42 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 84 Resp: 542
Ion Ratio Lower Upper
84 100
49 121.9 101.6 152.4
51 29.0 30.5 45.7#
86 67.4 53.4 80.2

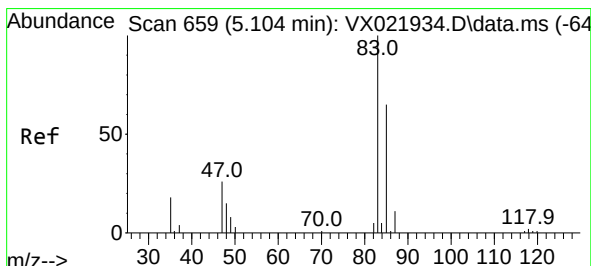
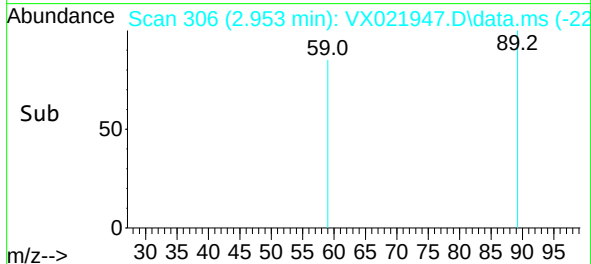
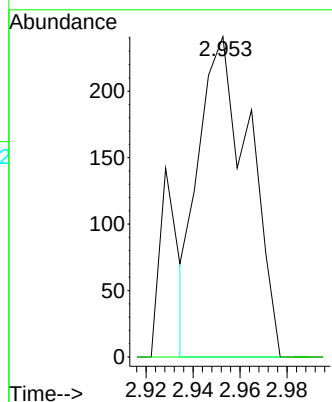
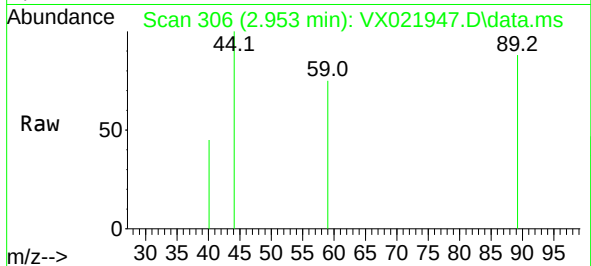




#23
tert-Butyl Alcohol
Concen: 1.20 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

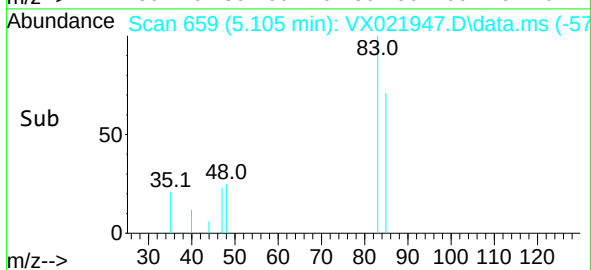
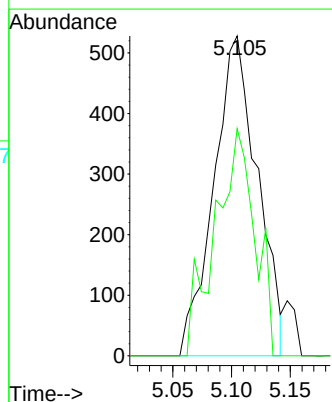
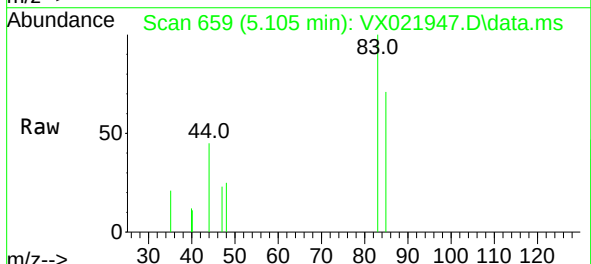
Instrument :
MSVOA_X
ClientSampled :
14B-1

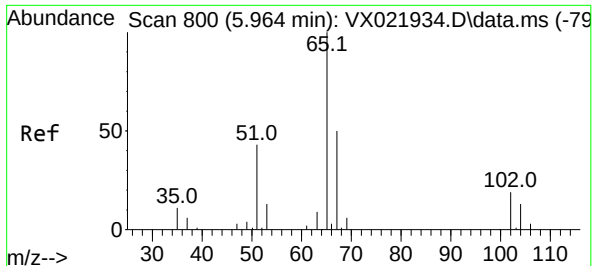
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.62 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 83 Resp: 1364
Ion Ratio Lower Upper
83 100
85 71.0 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 29.96 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX021947.D

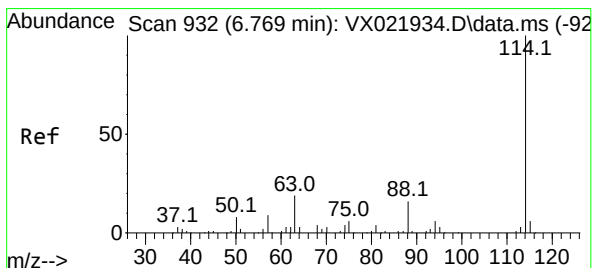
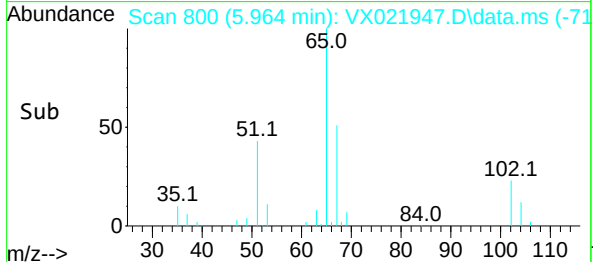
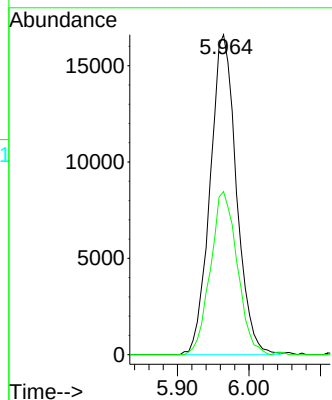
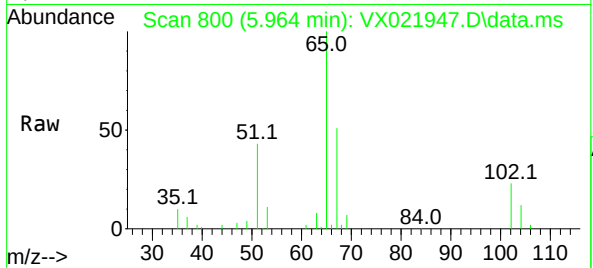
Acq: 12 May 2021 23:56

Tgt Ion: 65 Resp: 42412

Ion Ratio Lower Upper

65 100

67 51.9 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: VX021947.D

Acq: 12 May 2021 23:56

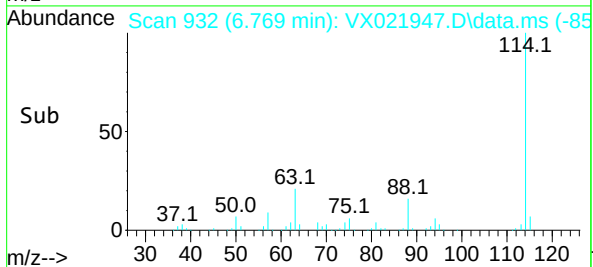
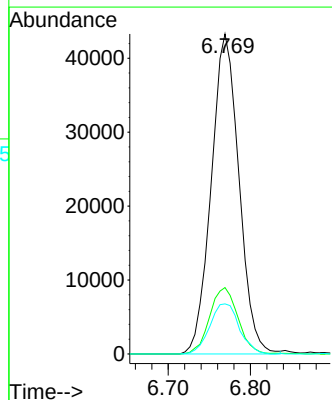
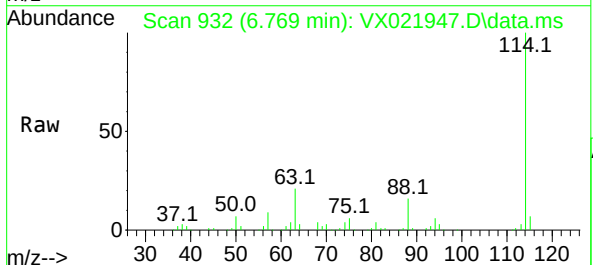
Tgt Ion: 114 Resp: 101323

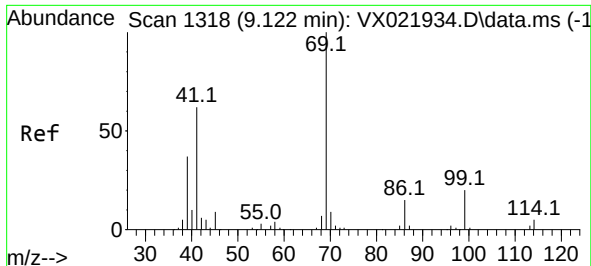
Ion Ratio Lower Upper

114 100

63 21.1 16.6 25.0

88 16.7 13.1 19.7

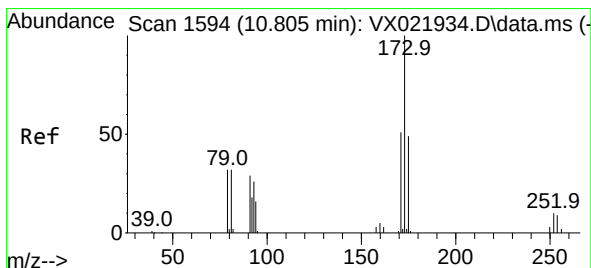
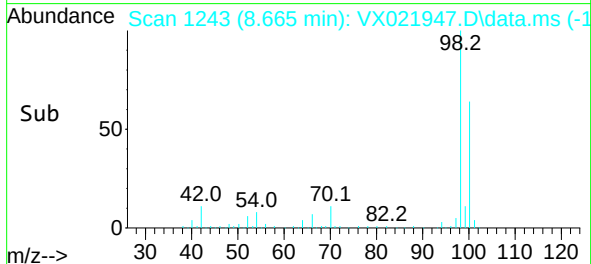
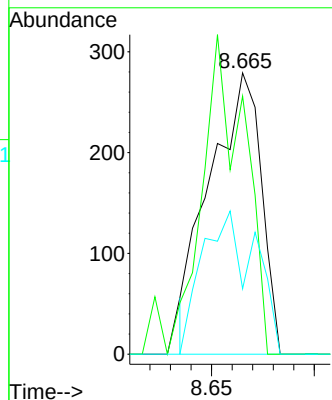
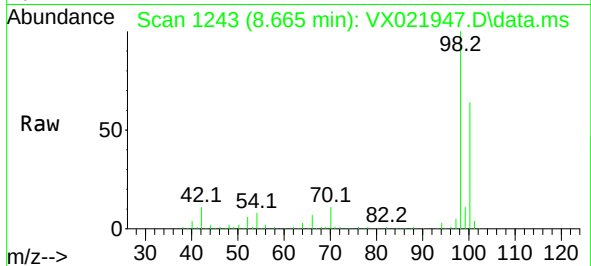




#51
Ethyl methacrylate
Concen: 0.25 ug/l
RT: 8.665 min Scan# 1243
Delta R.T. -0.457 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

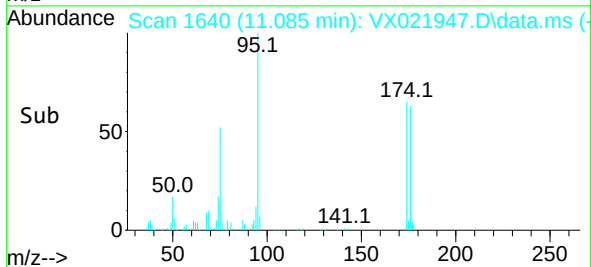
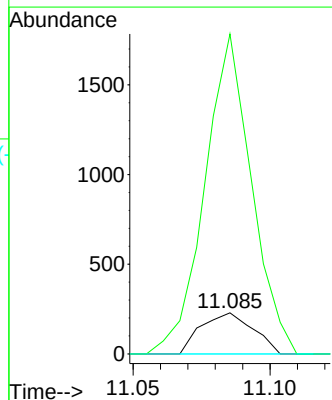
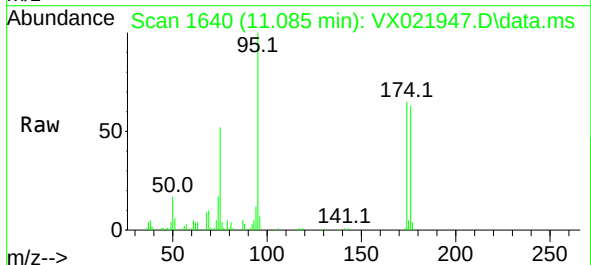
Instrument :
MSVOA_X
ClientSampled :
14B-1

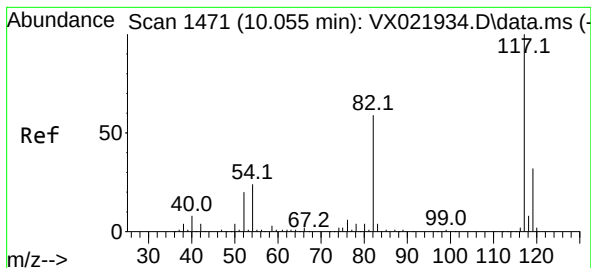
Tgt Ion: 69 Resp: 483
Ion Ratio Lower Upper
69 100
41 91.8 31.1 93.5
39 23.3 18.3 54.9



#56
Bromoform
Concen: 0.40 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 173 Resp: 302
Ion Ratio Lower Upper
173 100
175 701.3 39.4 59.2#
254 0.0 8.0 12.0#

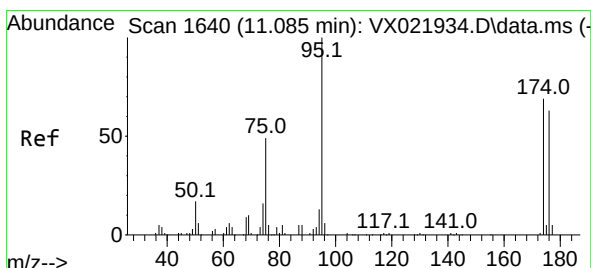
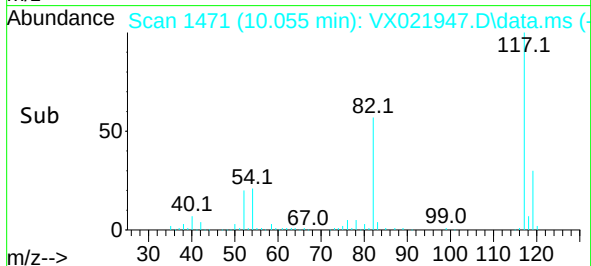
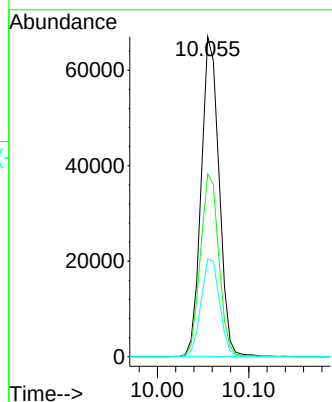
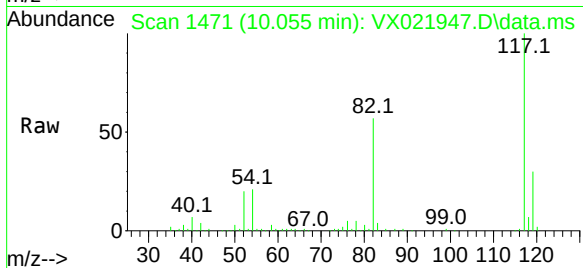




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

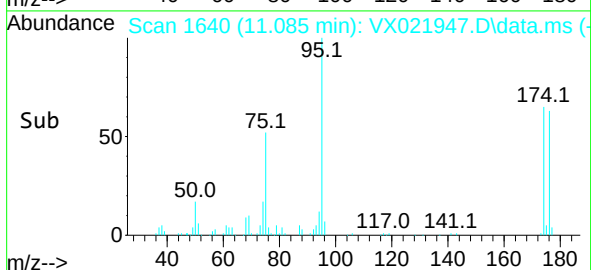
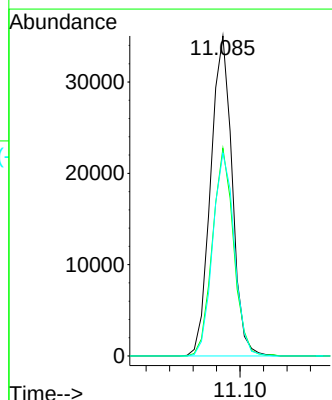
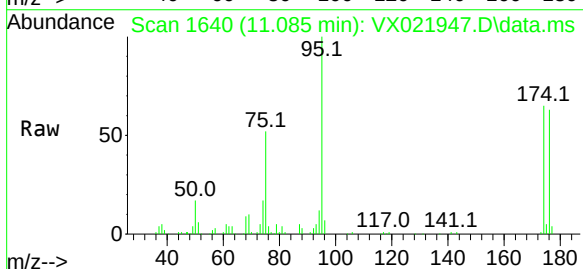
Instrument :
MSVOA_X
ClientSampled :
14B-1

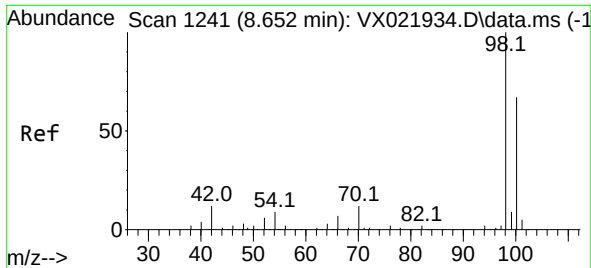
Tgt Ion:117 Resp: 90834
Ion Ratio Lower Upper
117 100
82 58.9 44.9 67.3
119 32.0 25.0 37.6



#60
4-Bromofluorobenzene
Concen: 29.49 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 95 Resp: 44450
Ion Ratio Lower Upper
95 100
174 63.9 52.2 78.2
176 63.7 49.3 73.9

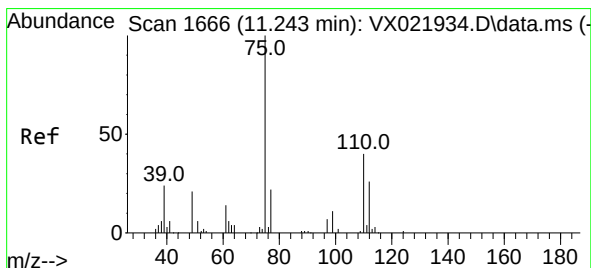
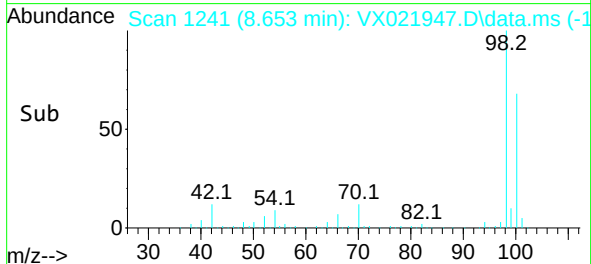
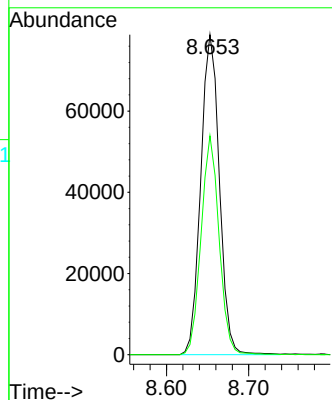
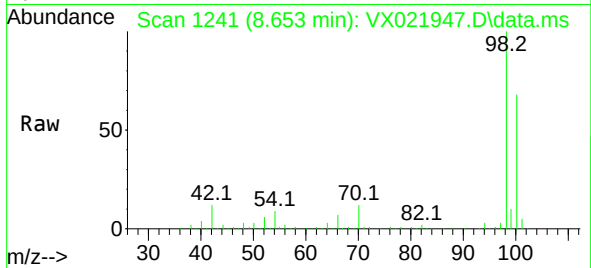




#63
Toluene-d8
Concen: 29.92 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

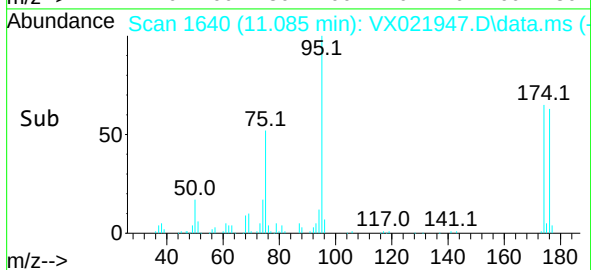
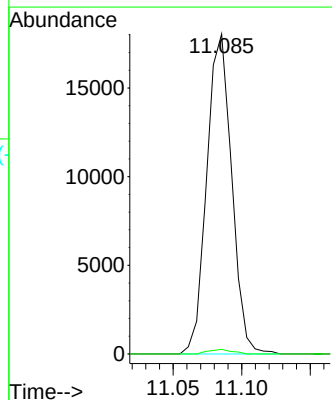
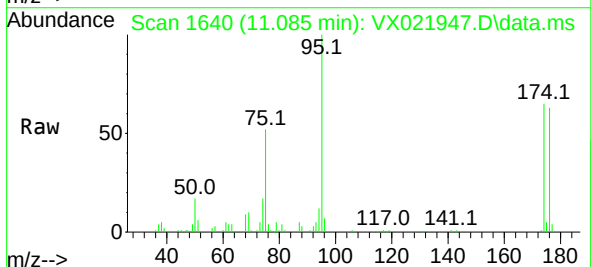
Instrument :
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14B-1

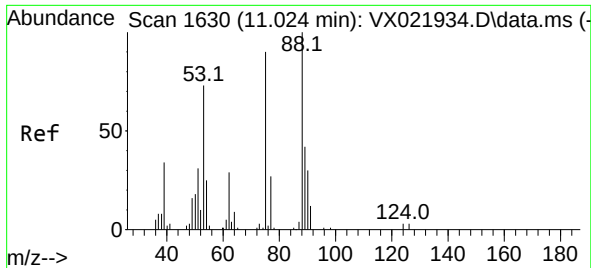
Tgt Ion: 98 Resp: 124181
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 14.09 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021947.D
Acq: 12 May 2021 23:56

Tgt Ion: 75 Resp: 22833
Ion Ratio Lower Upper
75 100
77 1.4 0.0 33.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.75 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX021947.D
 Acq: 12 May 2021 23:56

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Tgt Ion: 75 Resp: 22833
 Ion Ratio Lower Upper
 75 100
 53 0.0 40.2 120.6#
 89 0.0 23.4 70.0#

