

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021949.D
 Acq On : 13 May 2021 00:42
 Operator : JC/MD
 Sample : M2359-03 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: May 13 06:29:11 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)

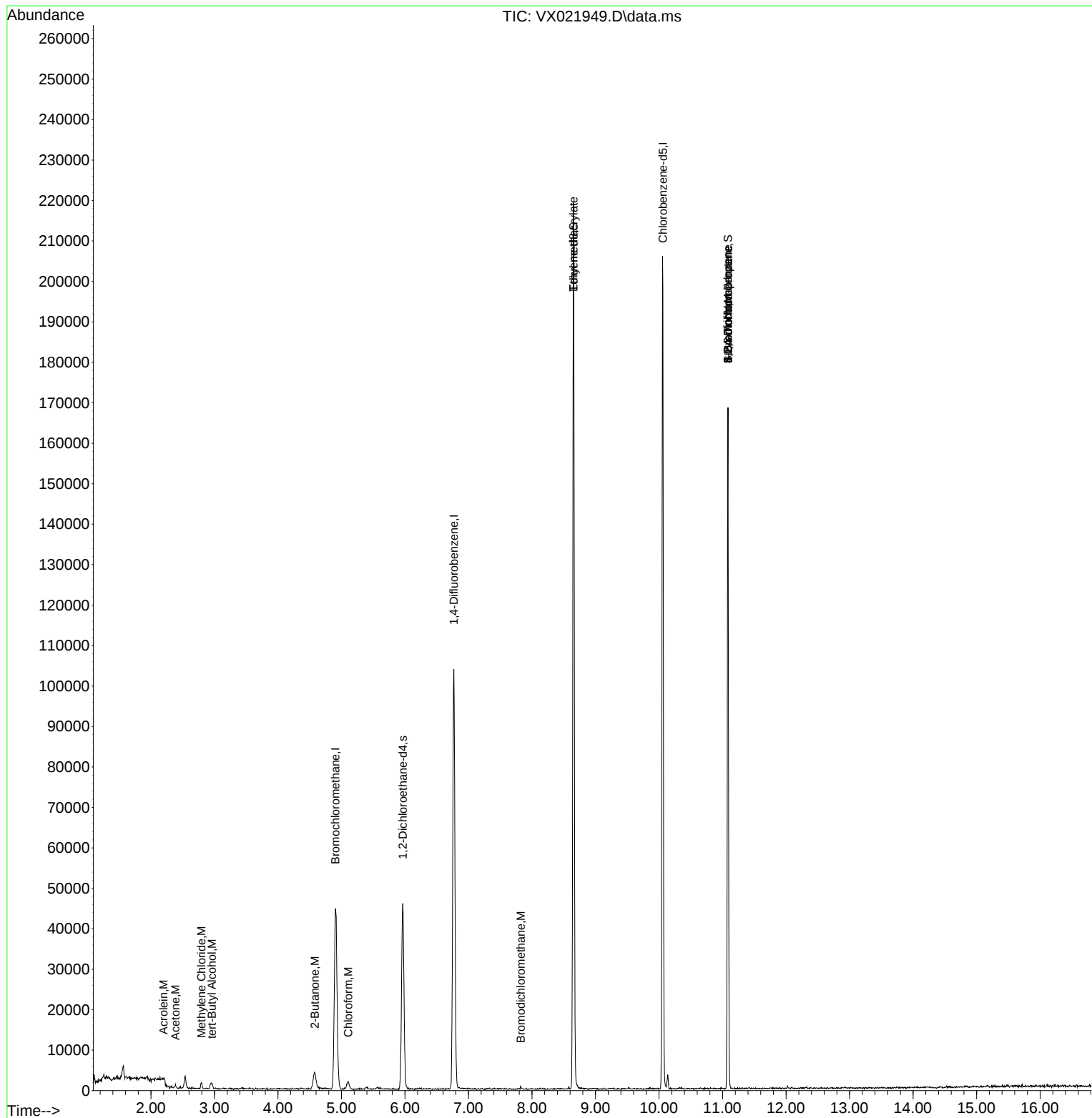
Internal Standards						
1) Bromochloromethane	4.903	128	18324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	105339	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	94002	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	41707	29.55	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.50%		
60) 4-Bromofluorobenzene	11.085	95	45205	28.98	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.60%		
63) Toluene-d8	8.653	98	126386	29.42	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.07%		
Target Compounds						
						Qvalue
13) Acrolein	2.197	56	114	0.49	ug/l	94
15) Acetone	2.386	58	225	1.23	ug/l #	14
18) Methylene Chloride	2.794	84	598	0.46	ug/l #	78
23) tert-Butyl Alcohol	2.959	59	158	0.53	ug/l #	100
25) Chloroform	5.105	83	2230	1.02	ug/l #	79
30) 2-Butanone	4.580	43	224	0.24	ug/l #	54
41) Bromodichloromethane	7.824	83	351	0.20	ug/l #	81
51) Ethyl methacrylate	8.653	69	452	0.23	ug/l	85
56) Bromoform	11.085	173	239	0.30	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22809	13.60	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	22809	33.54	ug/l #	17

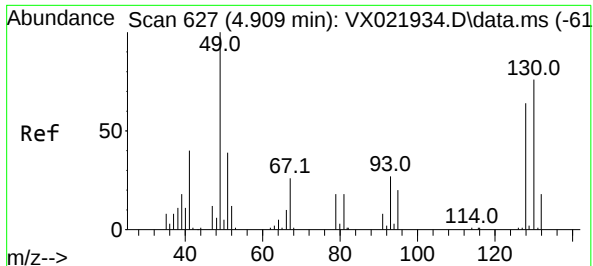
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-3

Quant Time: May 13 06:29:11 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

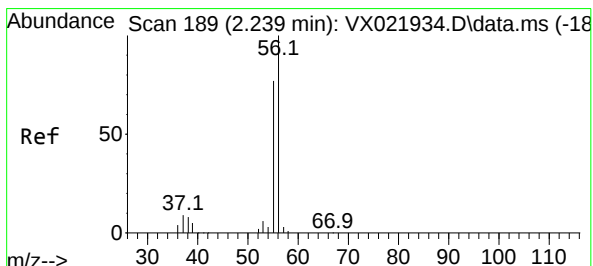
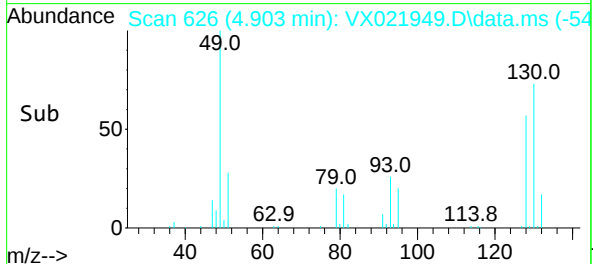
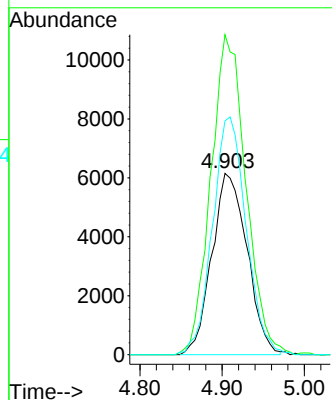
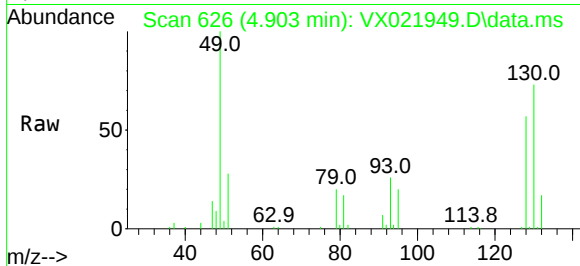




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

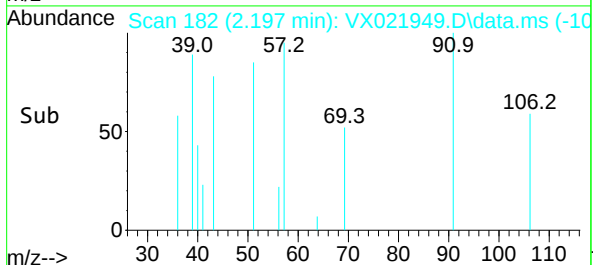
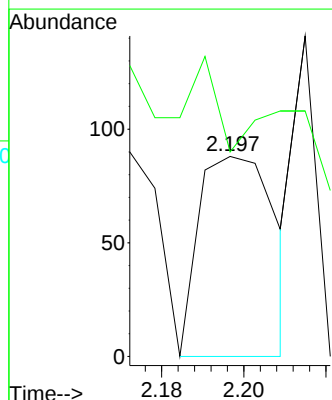
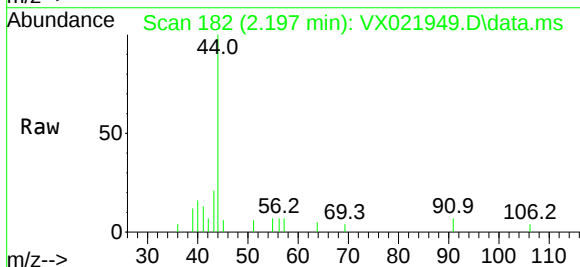
Instrument :
MSVOA_X
ClientSampled :
14B-3

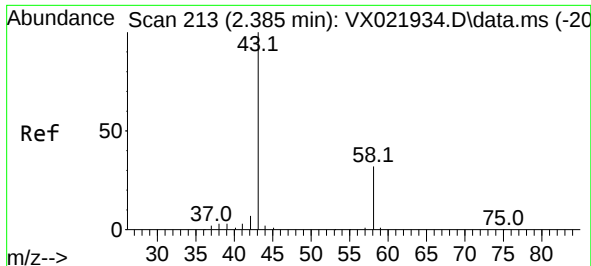
Tgt Ion:128 Resp: 18324
Ion Ratio Lower Upper
128 100
49 175.7 0.0 442.5
130 125.5 0.0 323.3



#13
Acrolein
Concen: 0.49 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.042 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 66.7 57.6 86.4

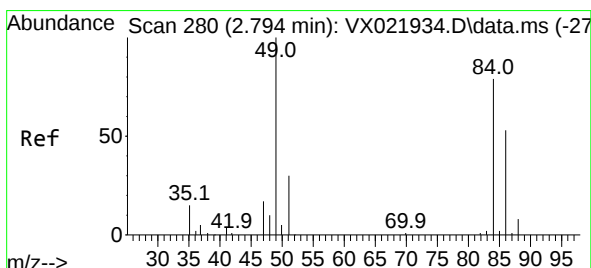
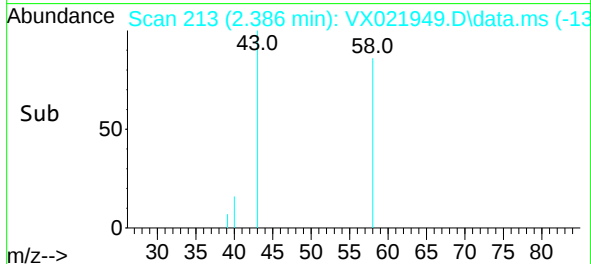
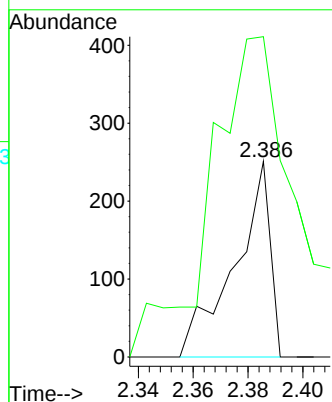
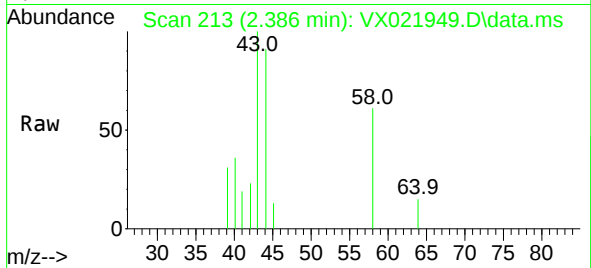




#15
Acetone
Concen: 1.23 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

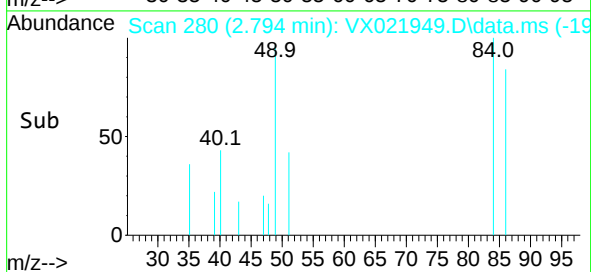
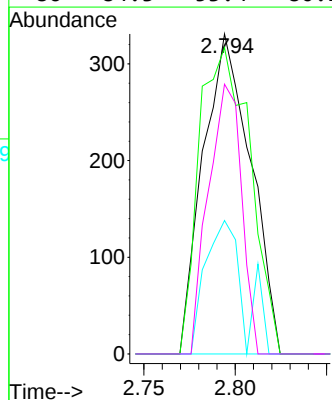
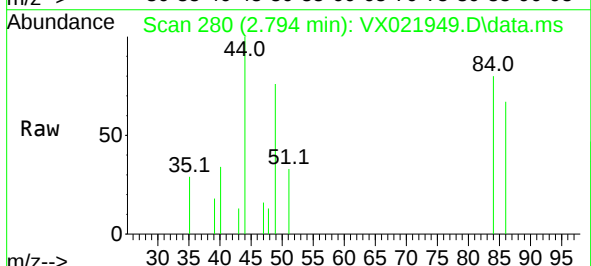
Instrument :
MSVOA_X
ClientSampled :
14B-3

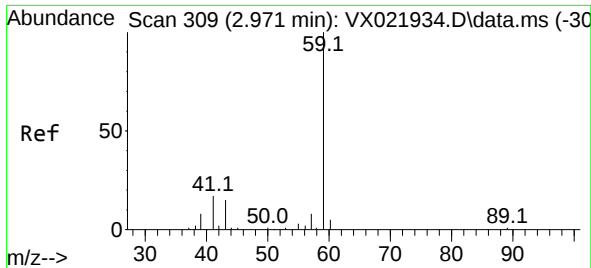
Tgt Ion: 58 Resp: 225
Ion Ratio Lower Upper
58 100
43 138.2 249.5 374.3#



#18
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

Tgt Ion: 84 Resp: 598
Ion Ratio Lower Upper
84 100
49 95.8 101.6 152.4#
51 41.7 30.5 45.7
86 84.3 53.4 80.2#

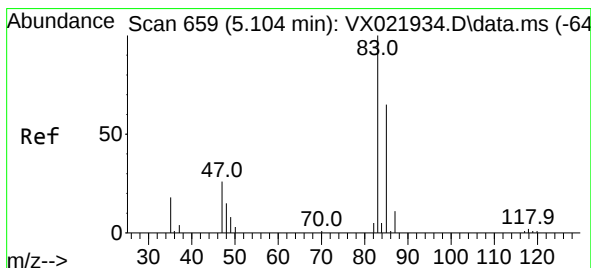
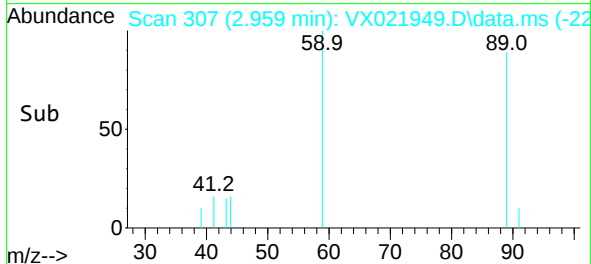
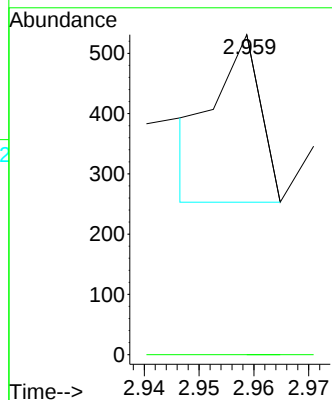
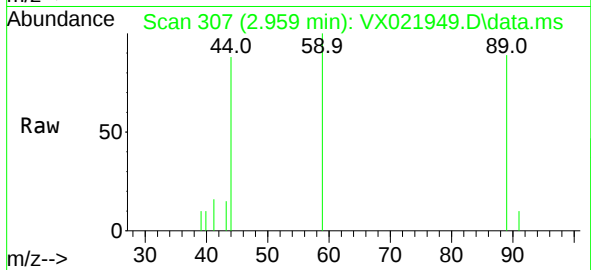




#23
tert-Butyl Alcohol
Concen: 0.53 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

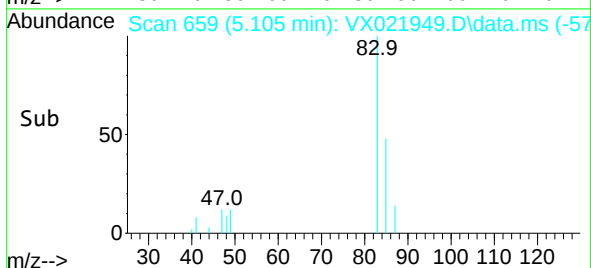
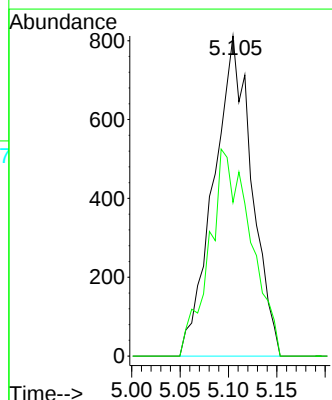
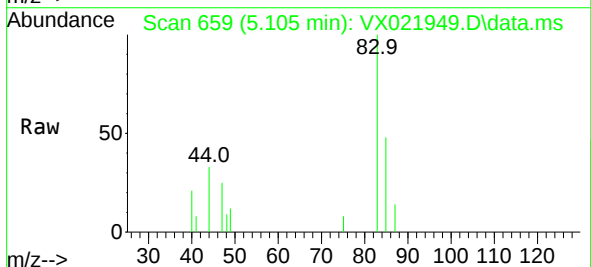
Instrument :
MSVOA_X
ClientSampleId :
14B-3

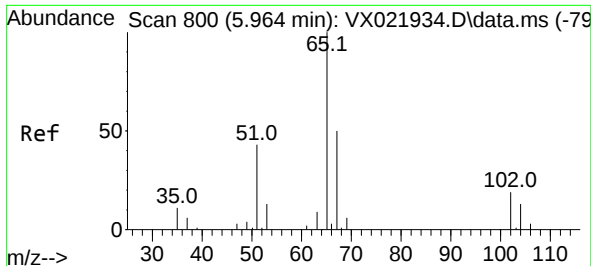
Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.02 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

Tgt Ion: 83 Resp: 2230
Ion Ratio Lower Upper
83 100
85 48.0 51.9 77.9#





#27

1,2-Dichloroethane-d4

Concen: 29.55 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX021949.D

Acq: 13 May 2021 00:42

Tgt Ion: 65 Resp: 41707

Ion Ratio Lower Upper

65 100

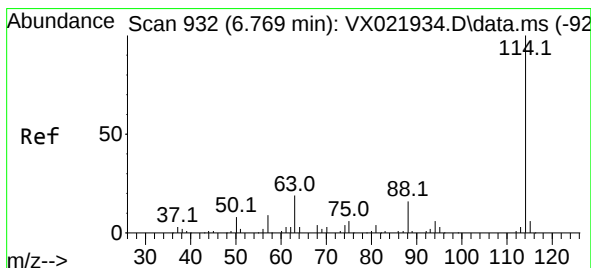
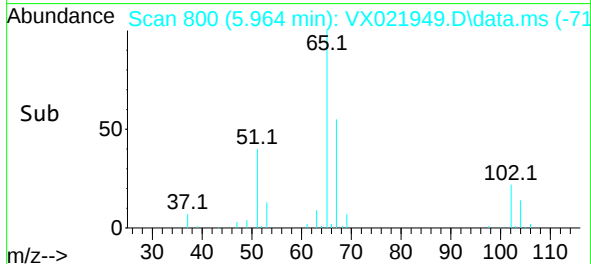
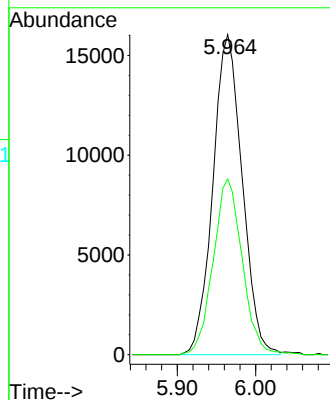
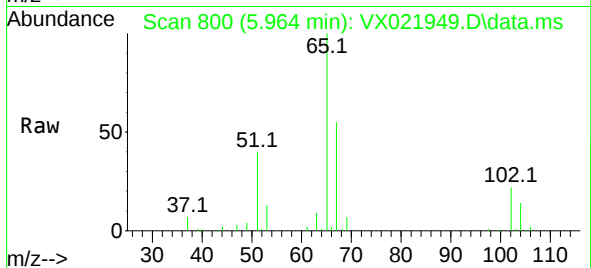
67 54.2 41.5 62.3

Instrument :

MSVOA_X

ClientSampled :

14B-3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX021949.D

Acq: 13 May 2021 00:42

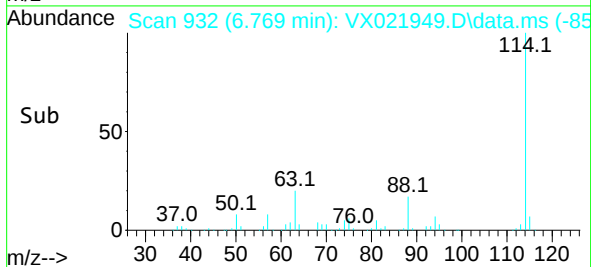
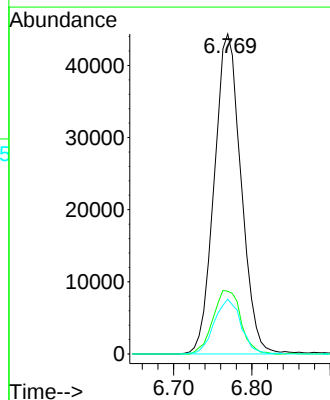
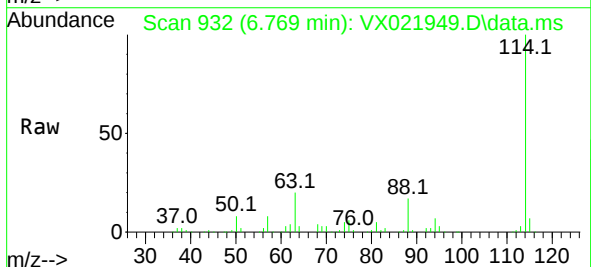
Tgt Ion:114 Resp: 105339

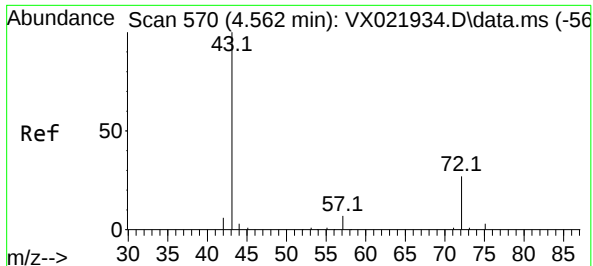
Ion Ratio Lower Upper

114 100

63 20.7 16.6 25.0

88 17.0 13.1 19.7





#30

2-Butanone

Concen: 0.24 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX021949.D

Acq: 13 May 2021 00:42

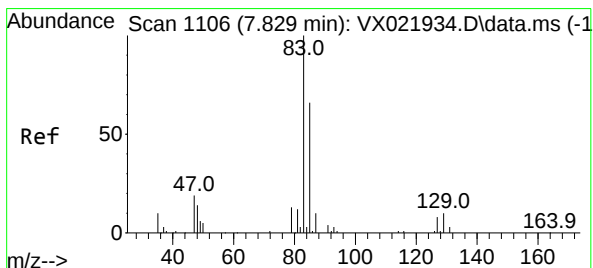
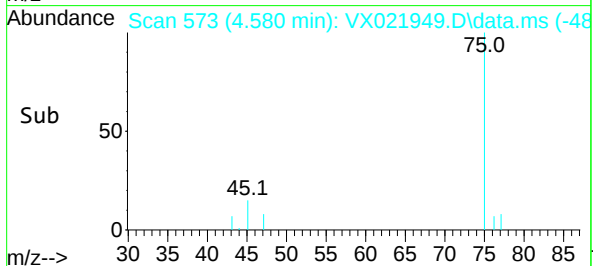
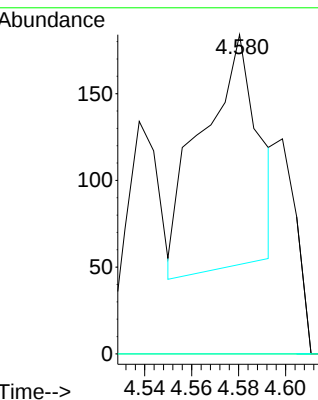
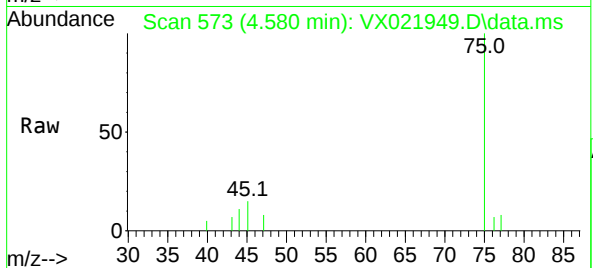
Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

72 0.0 22.1 33.1#



#41

Bromodichloromethane

Concen: 0.20 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VX021949.D

Acq: 13 May 2021 00:42

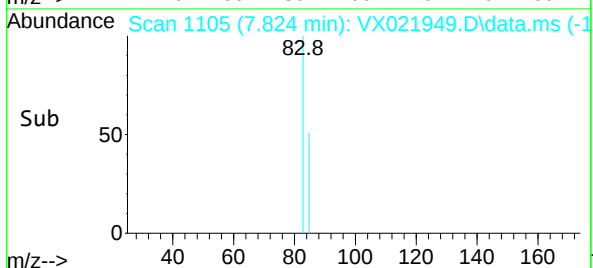
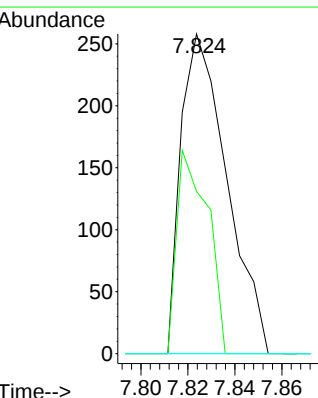
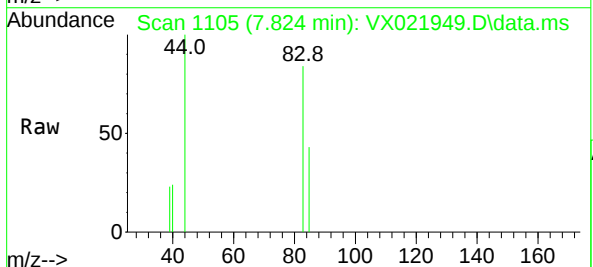
Tgt Ion: 83 Resp: 351

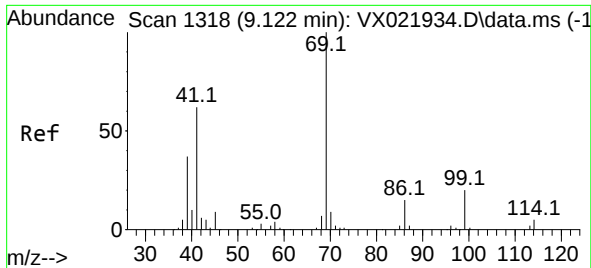
Ion Ratio Lower Upper

83 100

85 50.8 52.6 78.8#

127 0.0 6.1 9.1#

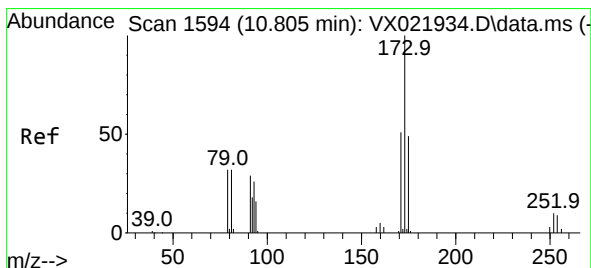
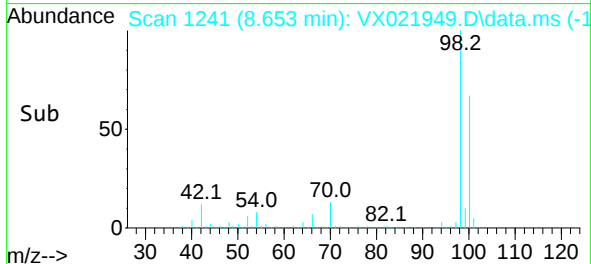
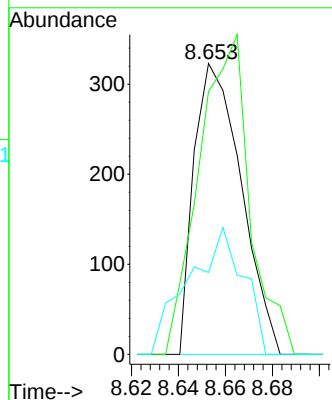
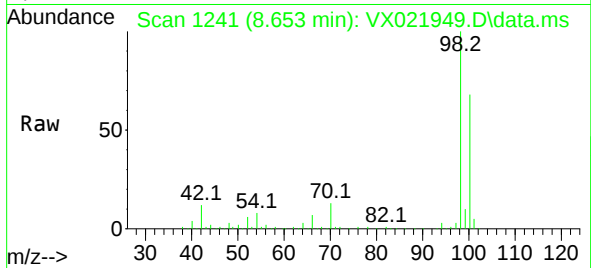




#51
Ethyl methacrylate
Concen: 0.23 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

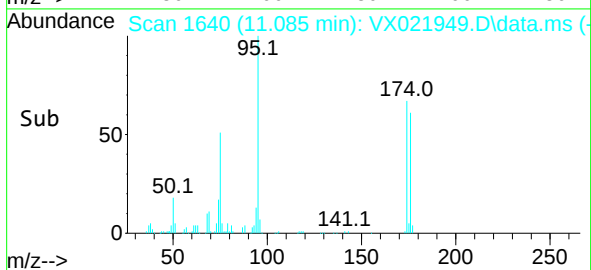
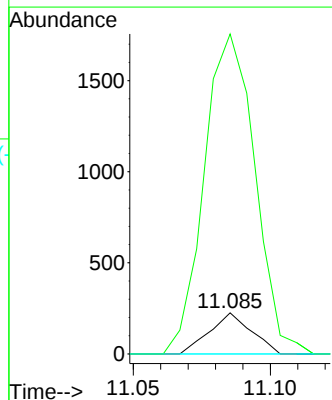
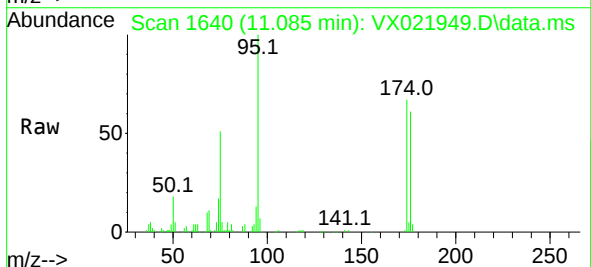
Instrument :
MSVOA_X
ClientSampled :
14B-3

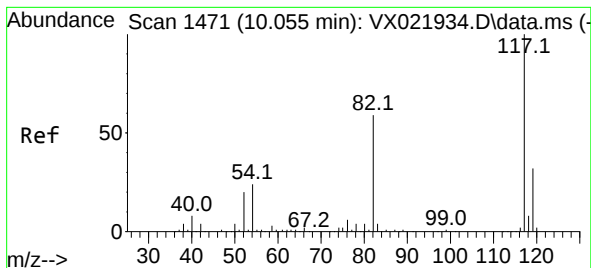
Tgt Ion: 69 Resp: 452
Ion Ratio Lower Upper
69 100
41 73.7 31.1 93.5
39 28.2 18.3 54.9



#56
Bromoform
Concen: 0.30 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.281 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

Tgt Ion: 173 Resp: 239
Ion Ratio Lower Upper
173 100
175 946.9 39.4 59.2#
254 0.0 8.0 12.0#

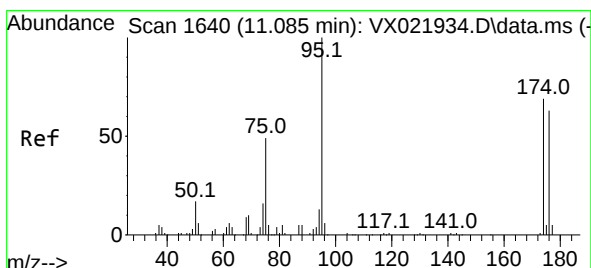
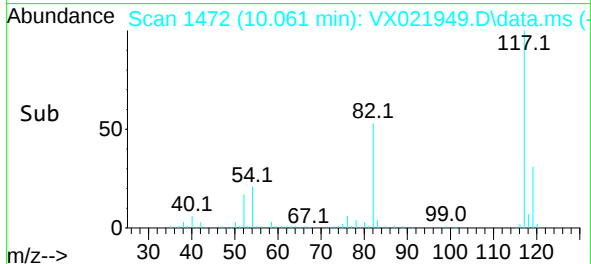
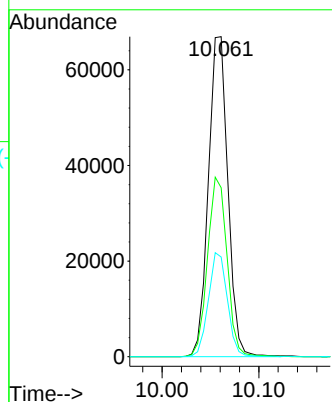
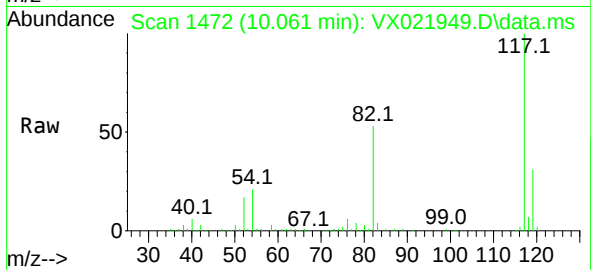




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

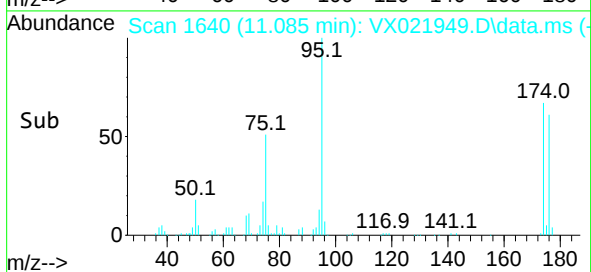
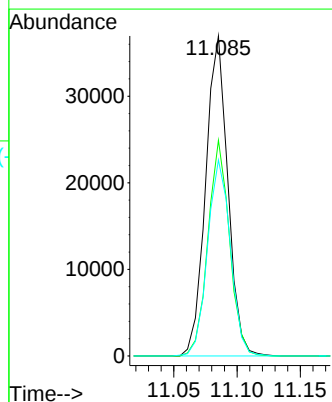
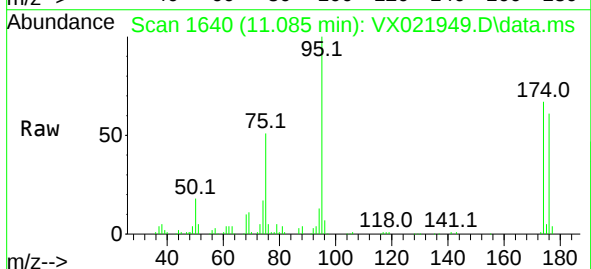
Instrument :
MSVOA_X
ClientSampled :
14B-3

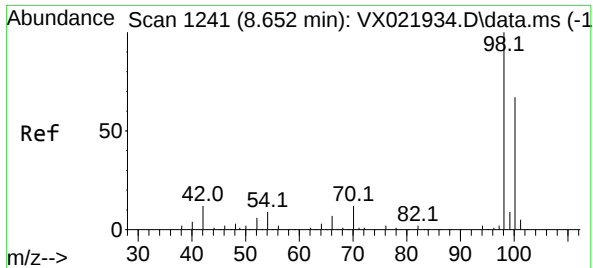
Tgt Ion:117 Resp: 94002
Ion Ratio Lower Upper
117 100
82 56.2 44.9 67.3
119 31.6 25.0 37.6



#60
4-Bromofluorobenzene
Concen: 28.98 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

Tgt Ion: 95 Resp: 45205
Ion Ratio Lower Upper
95 100
174 65.3 52.2 78.2
176 62.8 49.3 73.9

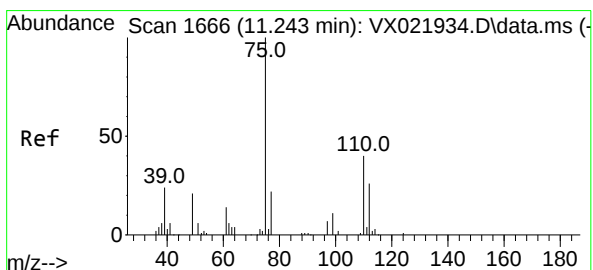
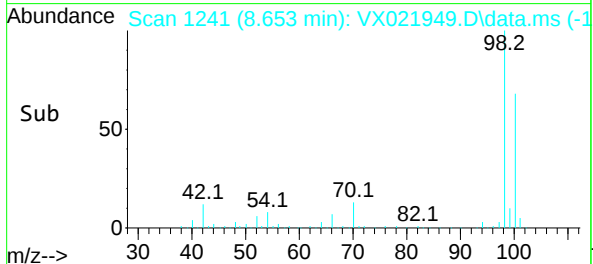
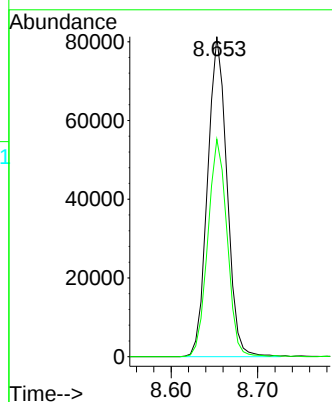
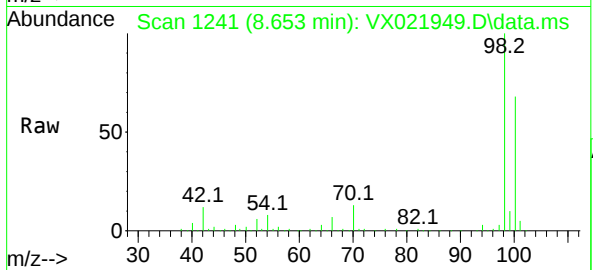




#63
Toluene-d8
Concen: 29.42 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

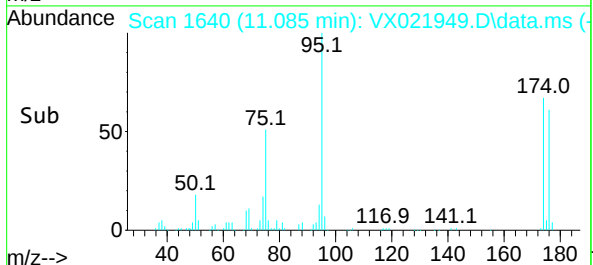
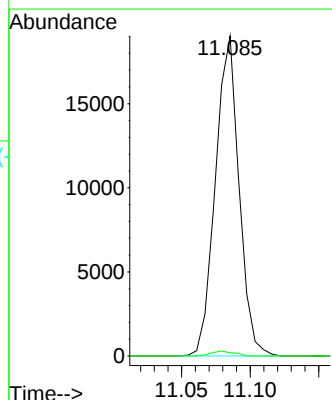
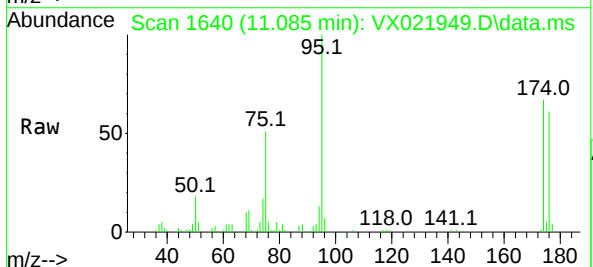
Instrument :
MSVOA_X
ClientSampled :
14B-3

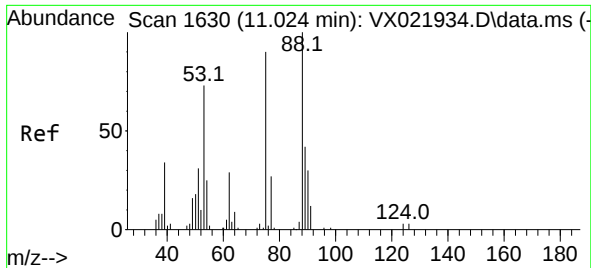
Tgt Ion: 98 Resp: 126386
Ion Ratio Lower Upper
98 100
100 67.5 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 13.60 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021949.D
Acq: 13 May 2021 00:42

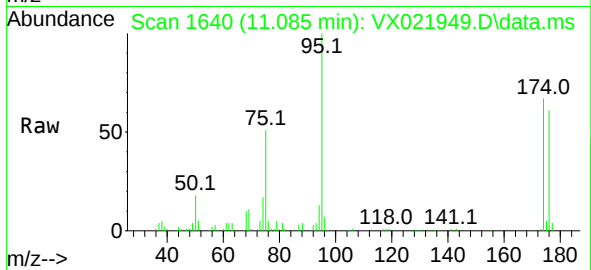
Tgt Ion: 75 Resp: 22809
Ion Ratio Lower Upper
75 100
77 1.5 0.0 33.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.54 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX021949.D
 Acq: 13 May 2021 00:42

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3



Tgt Ion: 75 Resp: 22809
 Ion Ratio Lower Upper
 75 100
 53 0.0 40.2 120.6#
 89 0.0 23.4 70.0#

