

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021946.D
 Acq On : 12 May 2021 23:33
 Operator : JC/MD
 Sample : M2352-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-4

Quant Time: May 13 06:28:28 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)

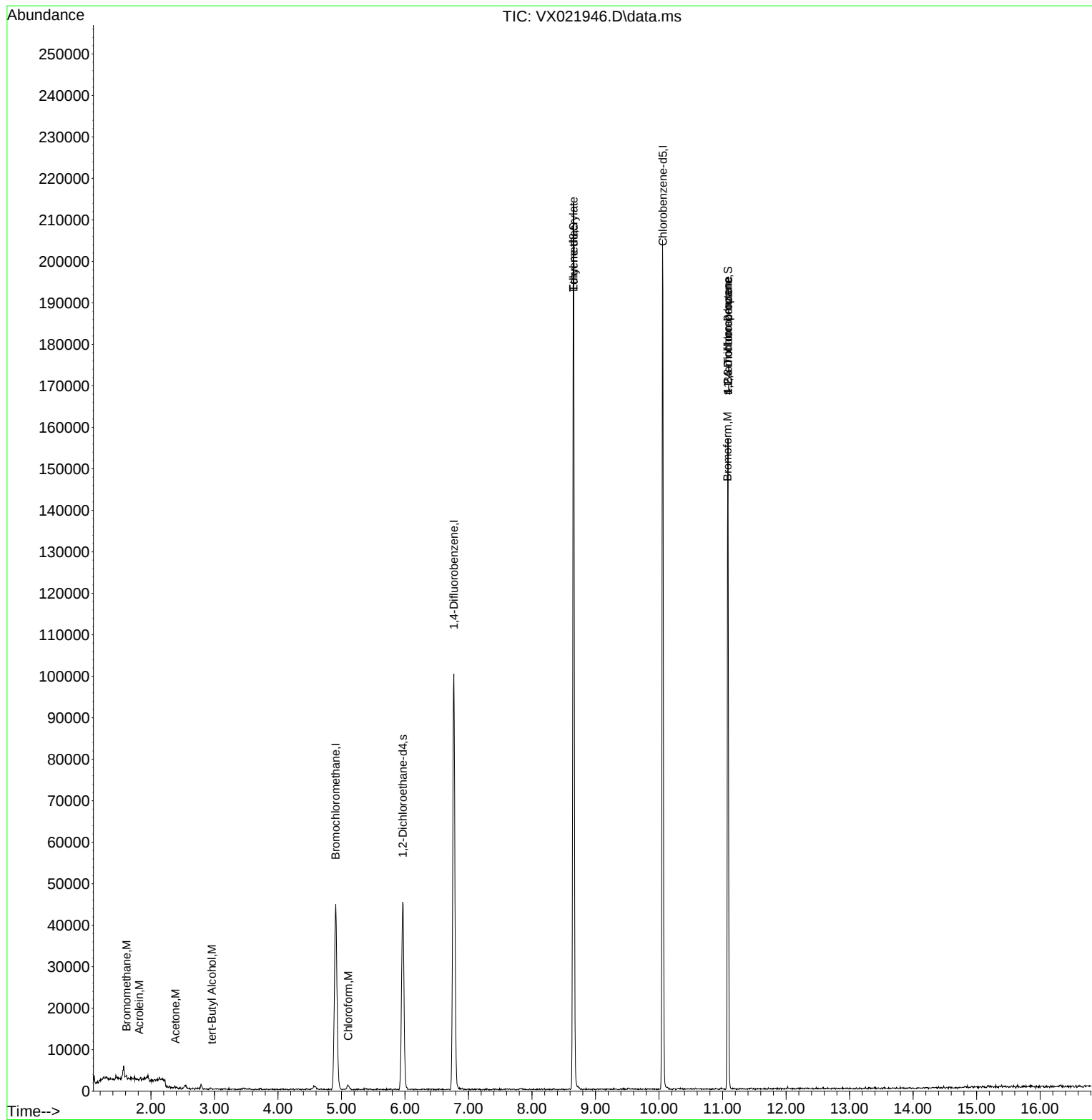
Internal Standards						
1) Bromochloromethane	4.910	128	17762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	101634	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	88625	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	41456	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.00%
60) 4-Bromofluorobenzene	11.085	95	44226	30.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.23%
63) Toluene-d8	8.653	98	123057	30.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.30%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	351	0.48	ug/l #	50
13) Acrolein	1.813	56	180	0.80	ug/l	99
15) Acetone	2.386	58	40	0.22	ug/l #	1
23) tert-Butyl Alcohol	2.959	59	121	0.42	ug/l #	100
25) Chloroform	5.105	83	688	0.32	ug/l #	50
51) Ethyl methacrylate	8.653	69	535	0.28	ug/l #	73
56) Bromoform	11.079	173	189	0.25	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	22906	14.48	ug/l	64
77) t-1,4-Dichloro-2-butene	11.085	75	22906	35.73	ug/l #	17

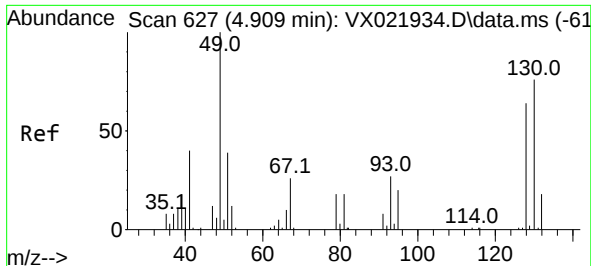
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
14B-4

Quant Time: May 13 06:28:28 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

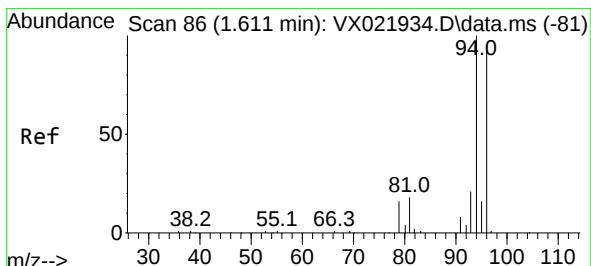
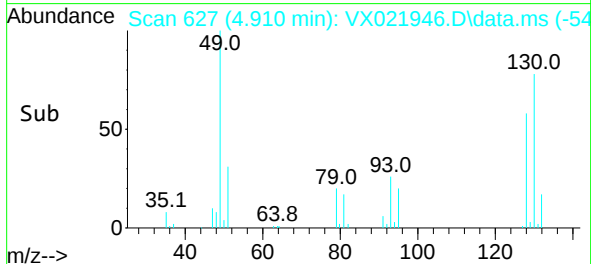
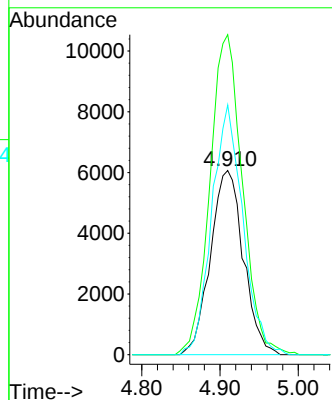
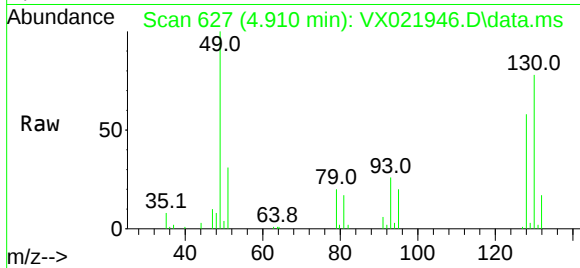




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.001 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

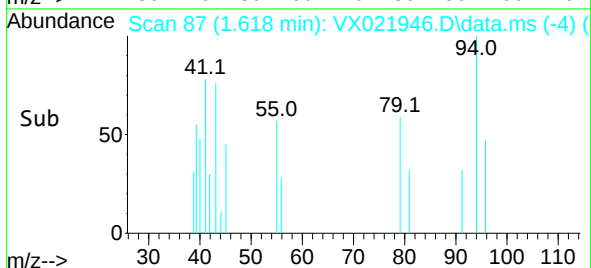
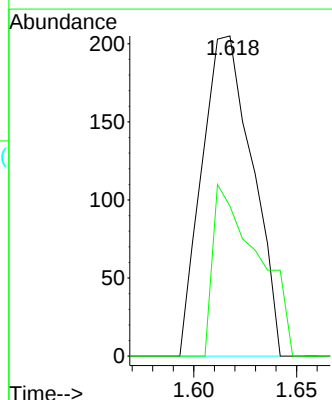
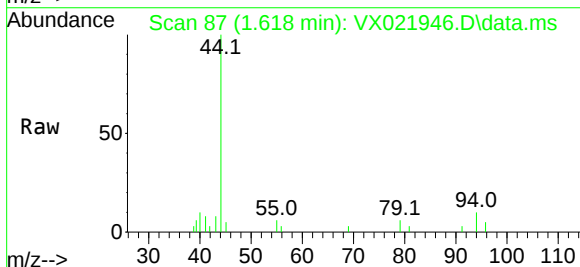
Instrument :
MSVOA_X
ClientSampled :
14B-4

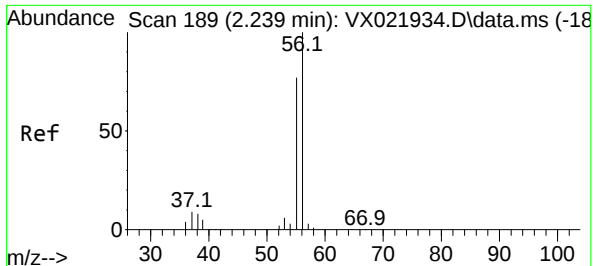
Tgt Ion:128 Resp: 17762
Ion Ratio Lower Upper
128 100
49 171.2 0.0 442.5
130 127.9 0.0 323.3



#5
Bromomethane
Concen: 0.48 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 46.8 76.1 114.1#

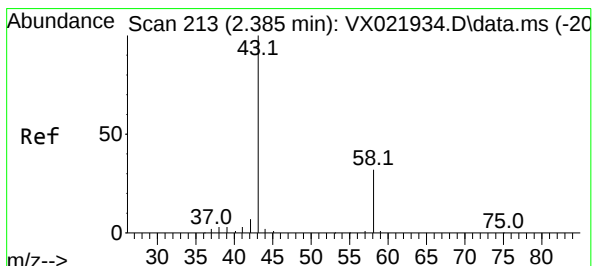
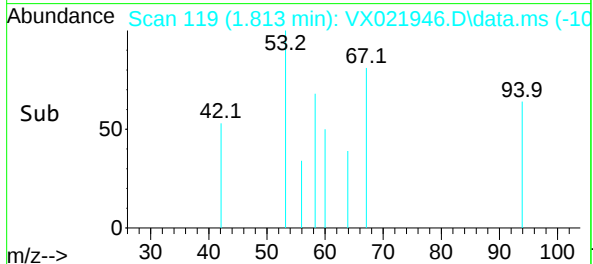
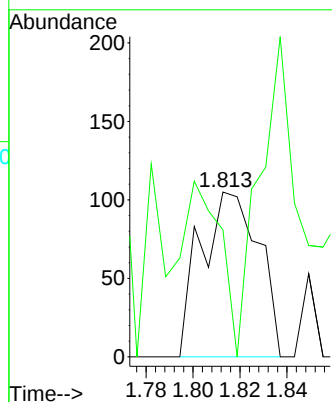
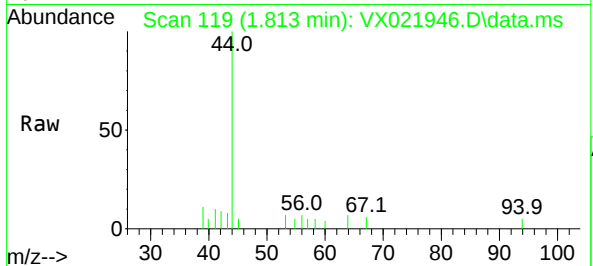




#13
Acrolein
Concen: 0.80 ug/l
RT: 1.813 min Scan# 119
Delta R.T. -0.426 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

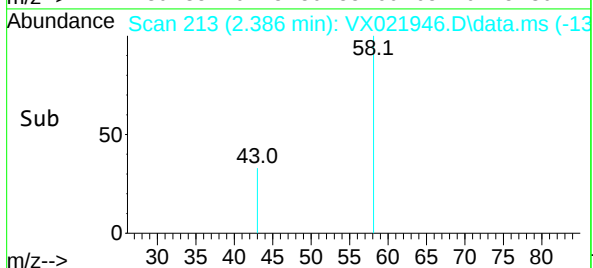
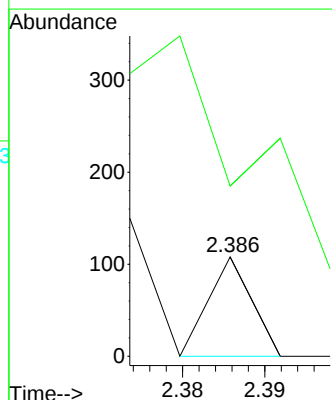
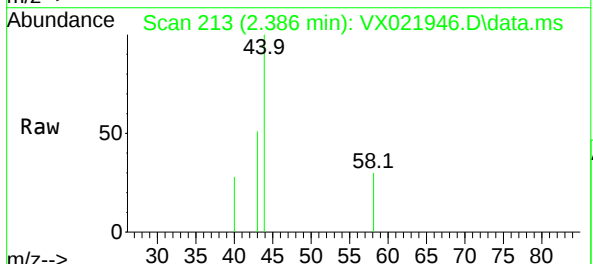
Instrument :
MSVOA_X
ClientSampled :
14B-4

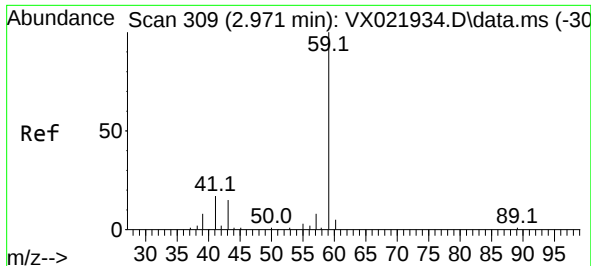
Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 71.1 57.6 86.4



#15
Acetone
Concen: 0.22 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 58 Resp: 40
Ion Ratio Lower Upper
58 100
43 0.0 249.5 374.3#

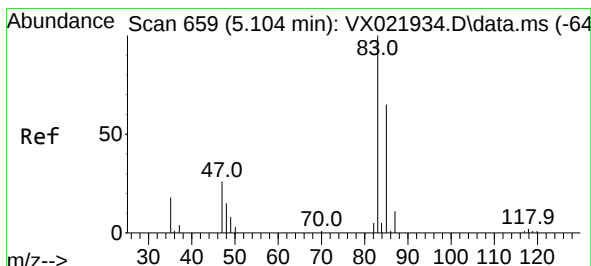
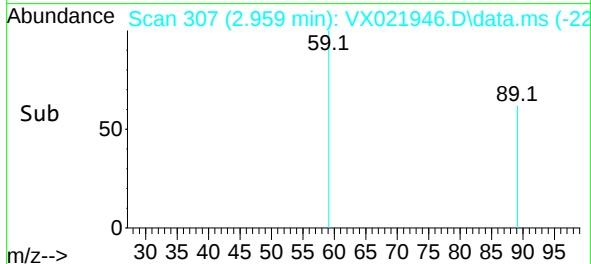
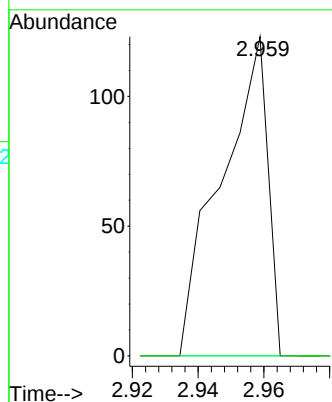
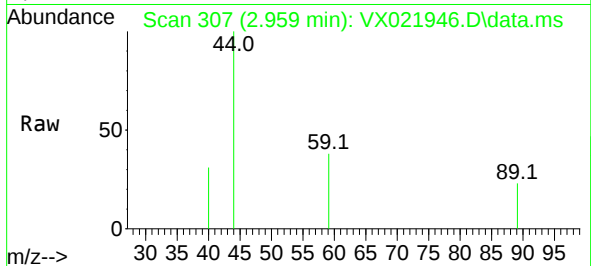




#23
tert-Butyl Alcohol
Concen: 0.42 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

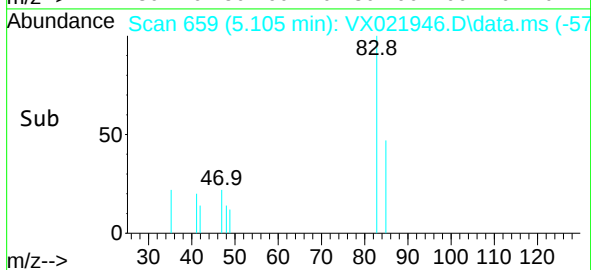
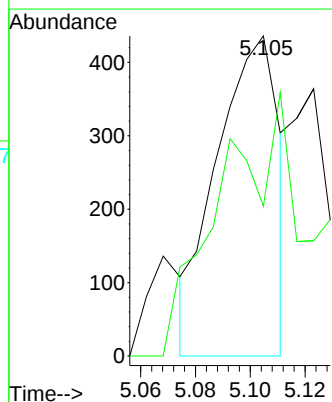
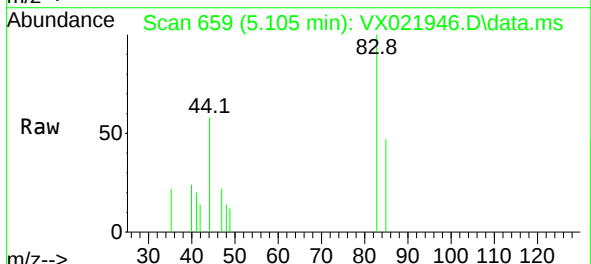
Instrument :
MSVOA_X
ClientSampled :
14B-4

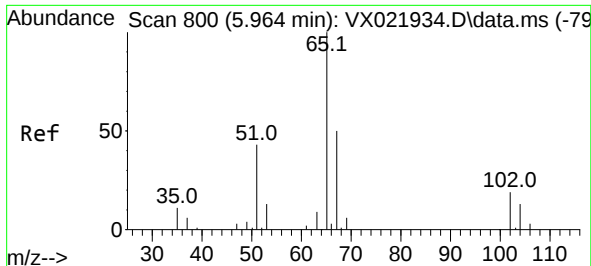
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.32 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 83 Resp: 688
Ion Ratio Lower Upper
83 100
85 25.3 51.9 77.9#





#27

1,2-Dichloroethane-d4

Concen: 30.30 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX021946.D

Acq: 12 May 2021 23:33

Tgt Ion: 65 Resp: 41456

Ion Ratio Lower Upper

65 100

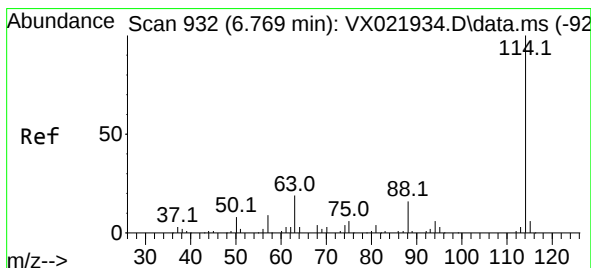
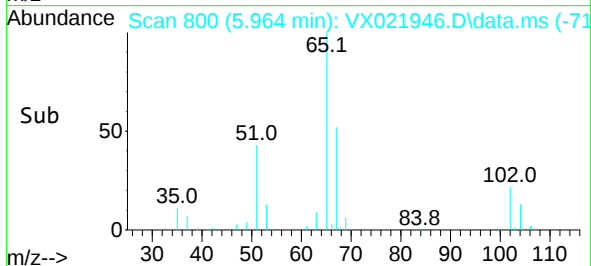
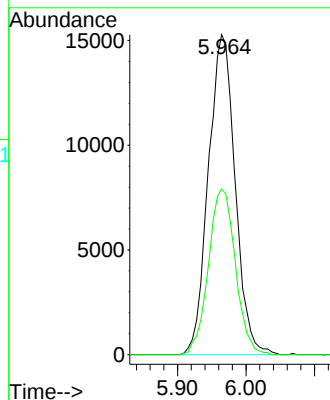
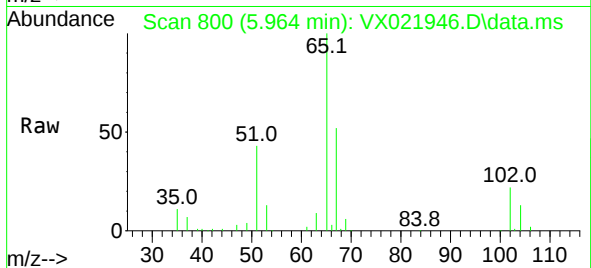
67 52.1 41.5 62.3

Instrument :

MSVOA_X

ClientSampled :

14B-4



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX021946.D

Acq: 12 May 2021 23:33

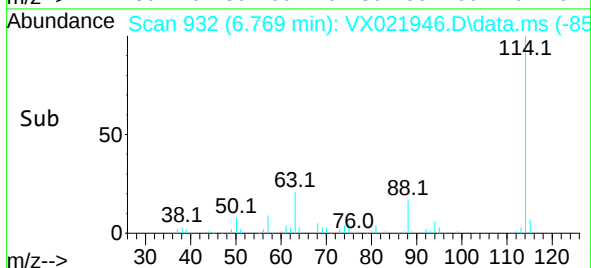
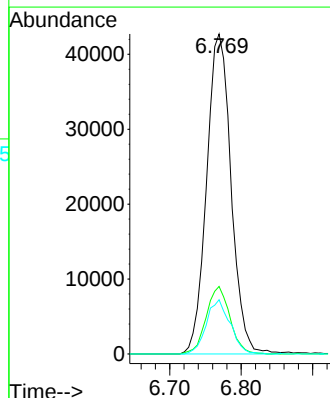
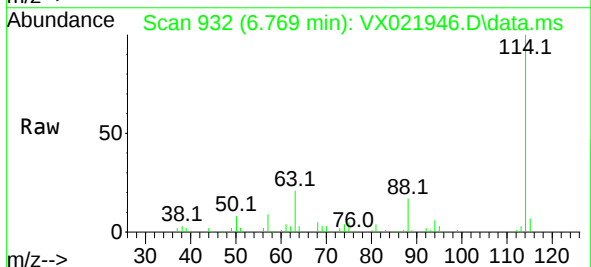
Tgt Ion: 114 Resp: 101634

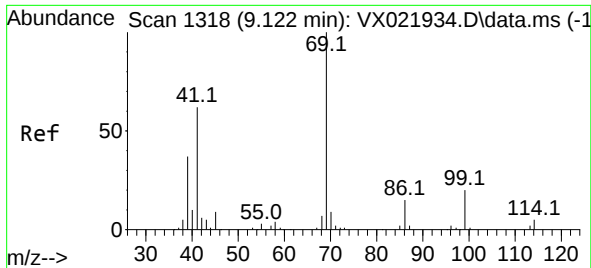
Ion Ratio Lower Upper

114 100

63 20.4 16.6 25.0

88 16.5 13.1 19.7

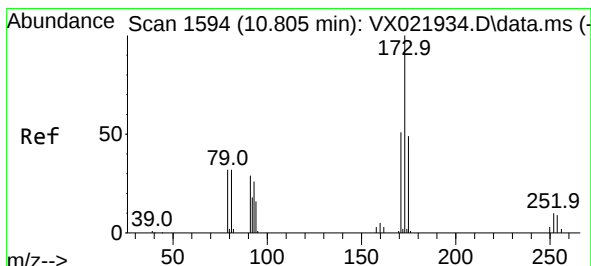
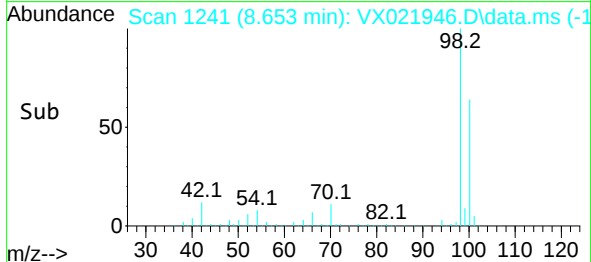
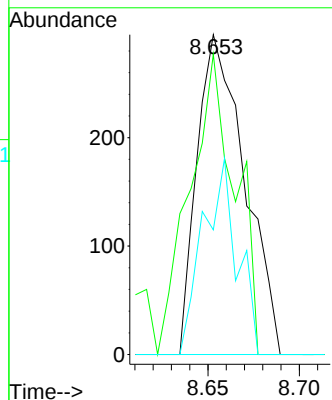
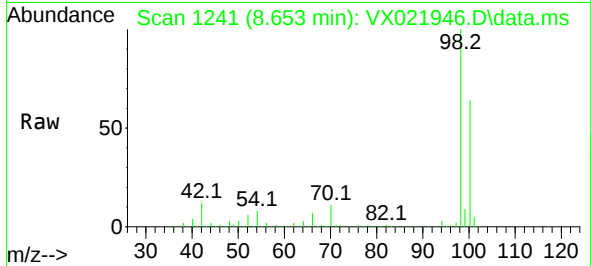




#51
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.469 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

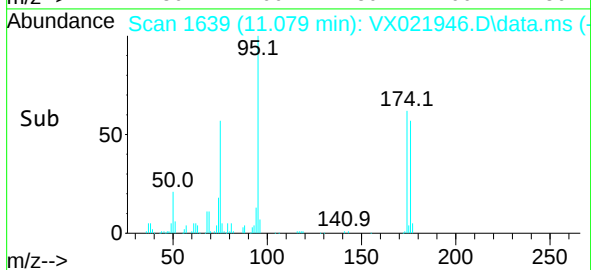
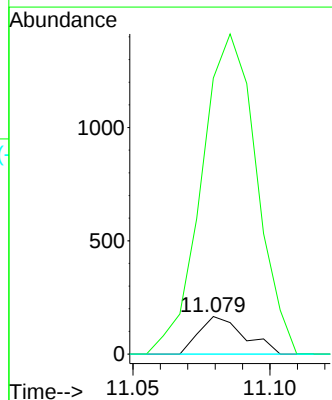
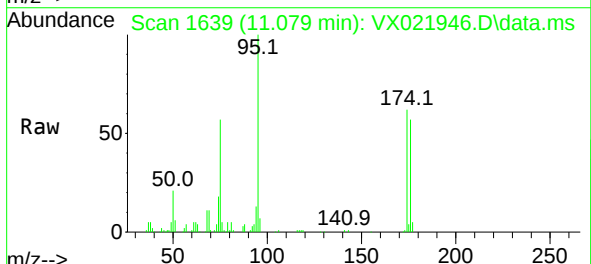
Instrument :
MSVOA_X
ClientSampled :
14B-4

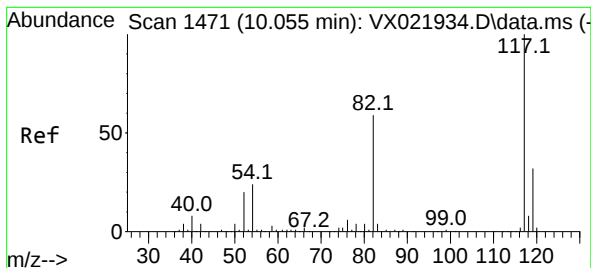
Tgt Ion: 69 Resp: 535
Ion Ratio Lower Upper
69 100
41 93.9 31.1 93.5#
39 39.0 18.3 54.9



#56
Bromoform
Concen: 0.25 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.275 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 173 Resp: 189
Ion Ratio Lower Upper
173 100
175 1046.0 39.4 59.2#
254 0.0 8.0 12.0#

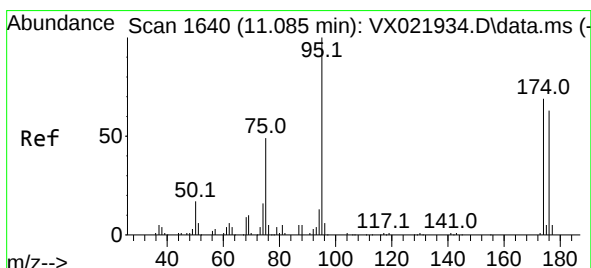
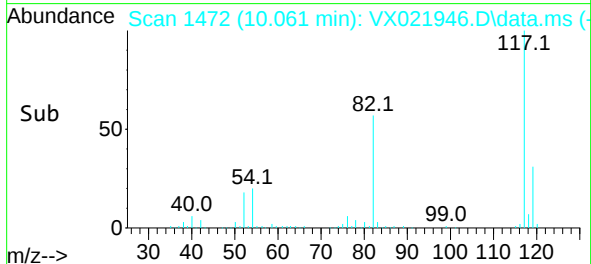
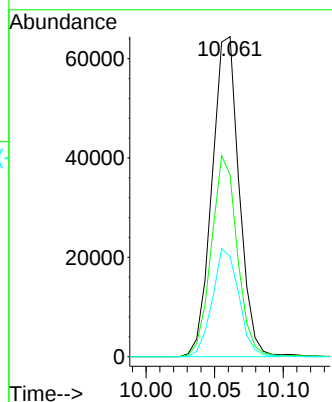
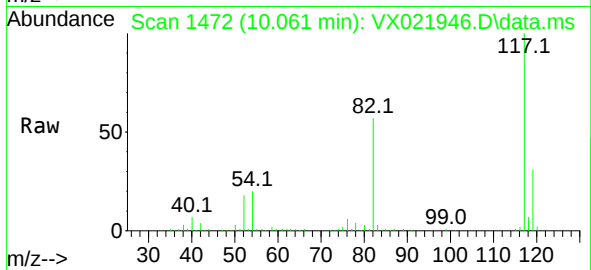




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

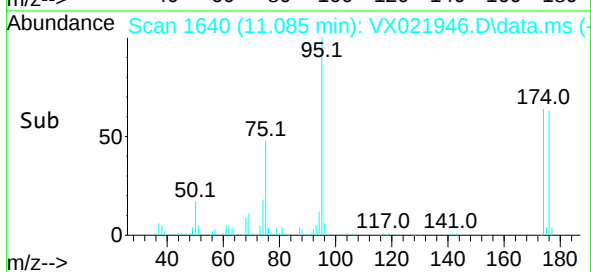
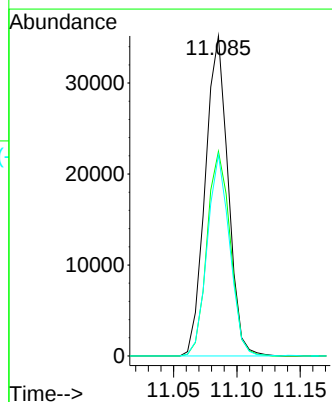
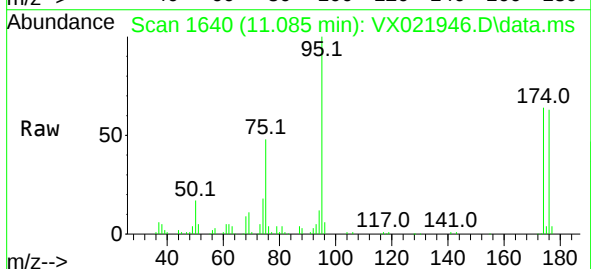
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MSVOA_X
ClientSampled :
14B-4

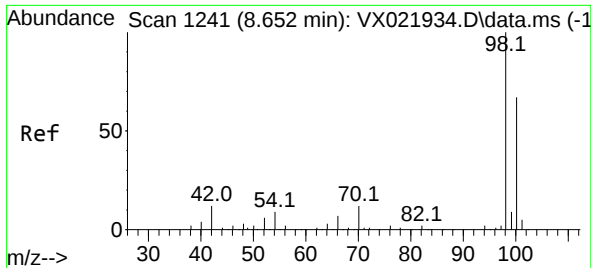
Tgt Ion:117 Resp: 88625
Ion Ratio Lower Upper
117 100
82 59.8 44.9 67.3
119 33.0 25.0 37.6



#60
4-Bromofluorobenzene
Concen: 30.07 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 95 Resp: 44226
Ion Ratio Lower Upper
95 100
174 64.9 52.2 78.2
176 61.5 49.3 73.9

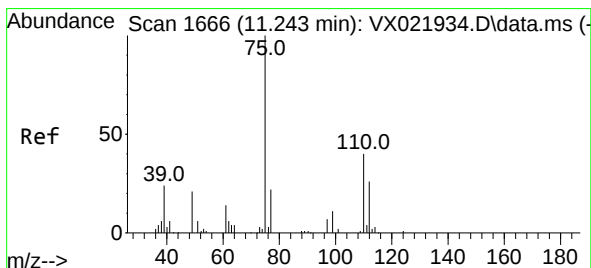
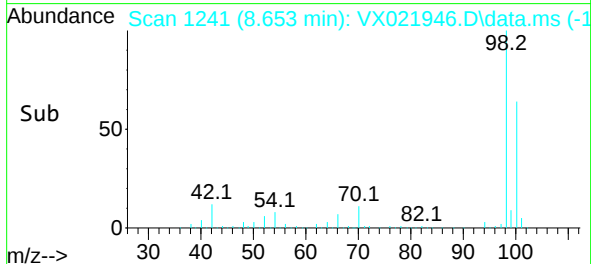
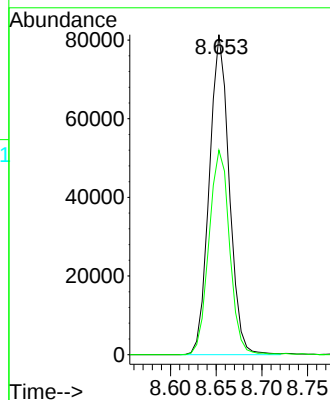
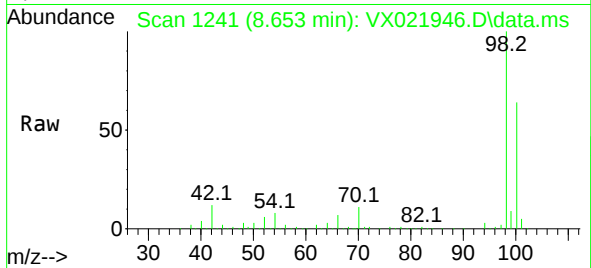




#63
Toluene-d8
Concen: 30.39 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

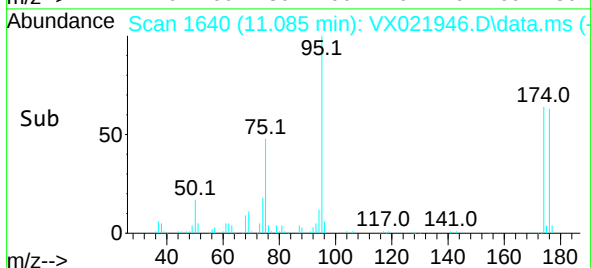
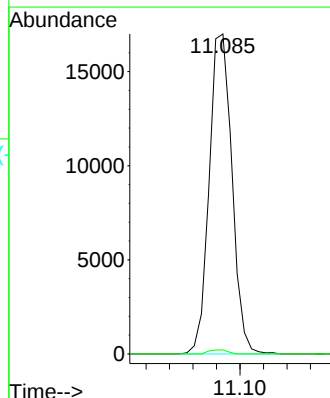
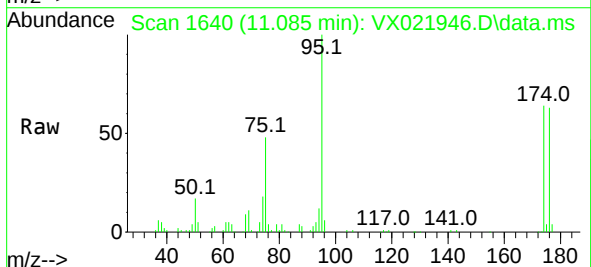
Instrument :
MSVOA_X
ClientSampled :
14B-4

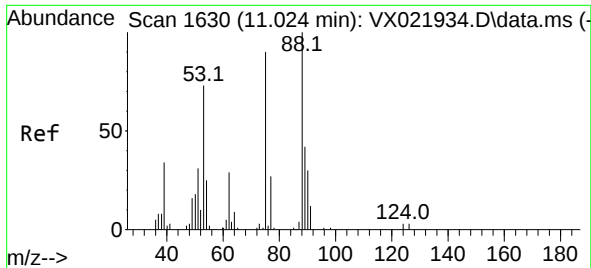
Tgt Ion: 98 Resp: 123057
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#72
1,2,3-Trichloropropane
Concen: 14.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Tgt Ion: 75 Resp: 22906
Ion Ratio Lower Upper
75 100
77 1.1 0.0 33.0





#77
t-1,4-Dichloro-2-butene
Concen: 35.73 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021946.D
Acq: 12 May 2021 23:33

Instrument :
MSVOA_X
ClientSampleId :
14B-4

Tgt Ion: 75 Resp: 22906
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

