

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021944.D
 Acq On : 12 May 2021 22:47
 Operator : JC/MD
 Sample : M2352-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 13 06:28:00 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)

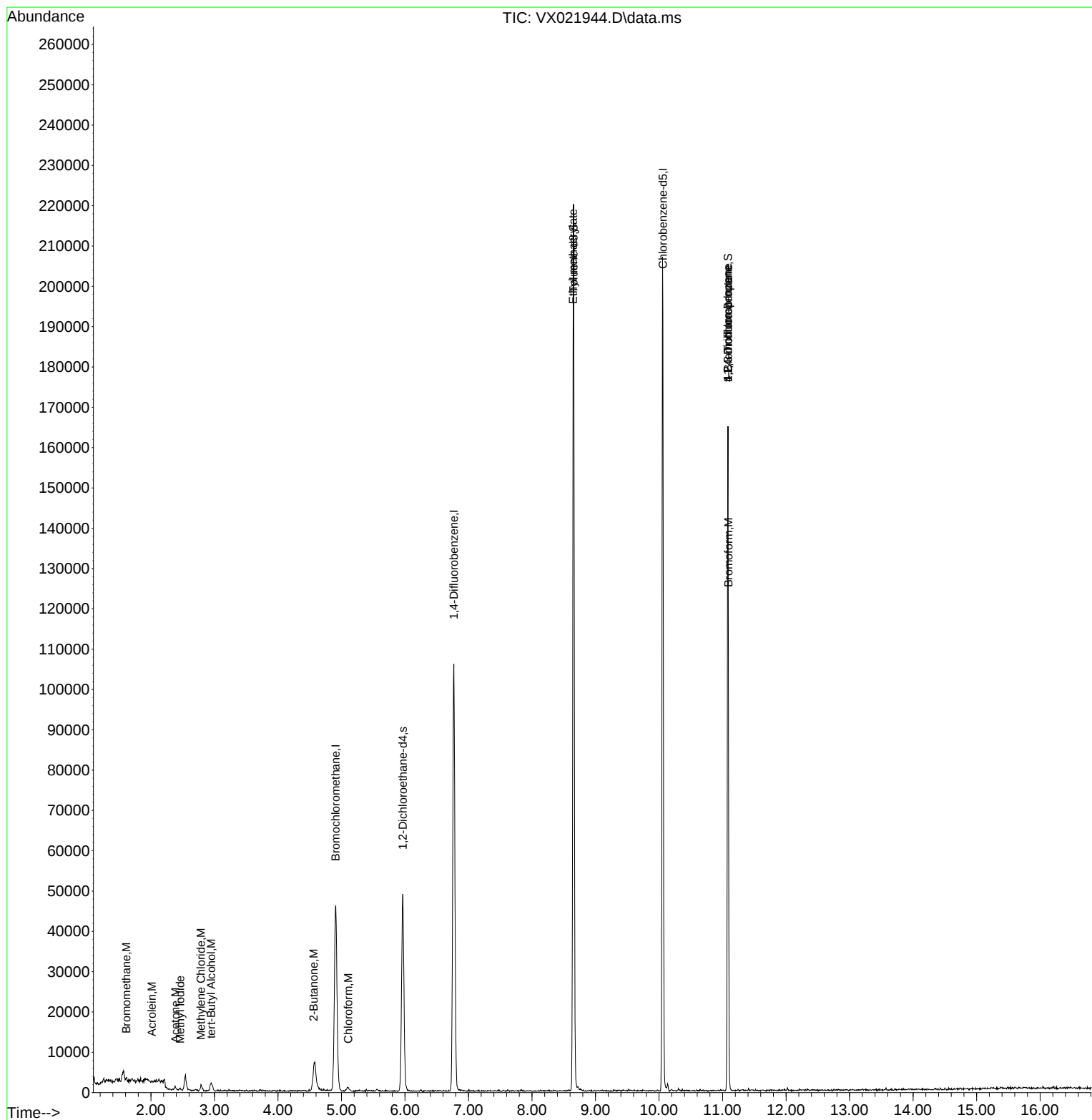
Internal Standards						
1) Bromochloromethane	4.910	128	18812	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	107161	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	94288	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	43964	30.34	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.13%
60) 4-Bromofluorobenzene	11.085	95	46060	29.44	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.13%
63) Toluene-d8	8.653	98	128753	29.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.60%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	174	0.22	ug/l #	67
11) Methyl Iodide	2.459	142	385	0.35	ug/l #	41
13) Acrolein	2.014	56	104	0.43	ug/l	83
15) Acetone	2.386	58	297	1.58	ug/l #	46
18) Methylene Chloride	2.788	84	690	0.52	ug/l #	81
23) tert-Butyl Alcohol	2.947	59	1725	5.62	ug/l #	100
25) Chloroform	5.105	83	1201	0.53	ug/l	97
30) 2-Butanone	4.562	43	334	0.35	ug/l #	55
51) Ethyl methacrylate	8.647	69	540	0.26	ug/l	91
56) Bromoform	11.091	173	239	0.30	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	23091	13.72	ug/l	65
77) t-1,4-Dichloro-2-butene	11.085	75	23091	33.85	ug/l #	17

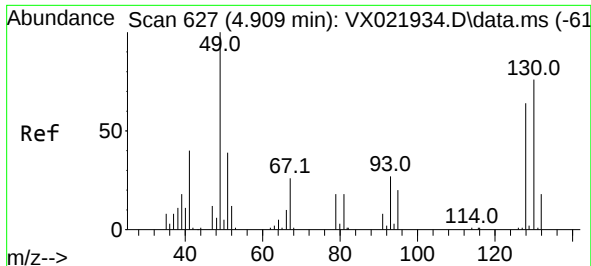
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
Data File : VX021944.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 13 06:28:00 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

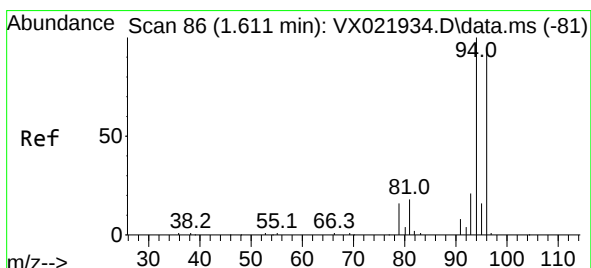
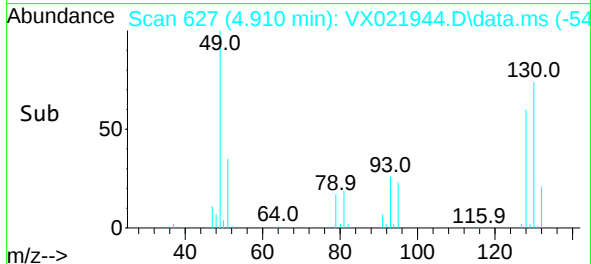
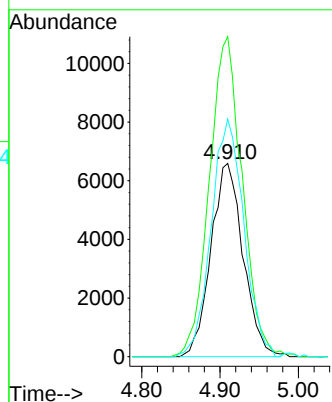
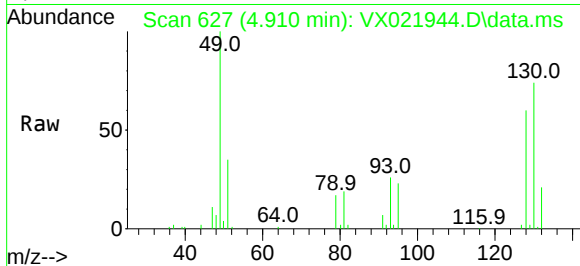




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.001 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

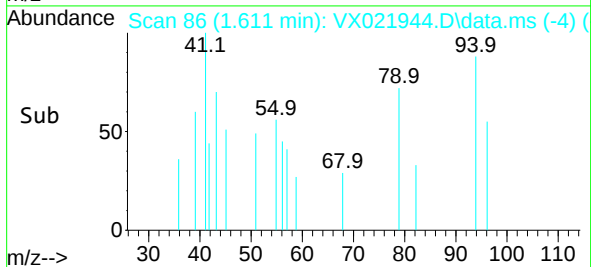
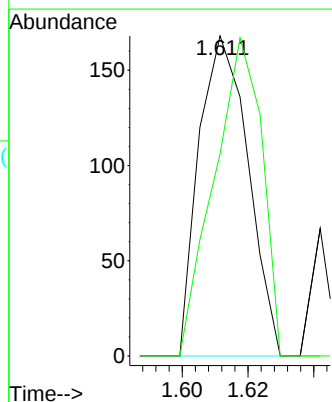
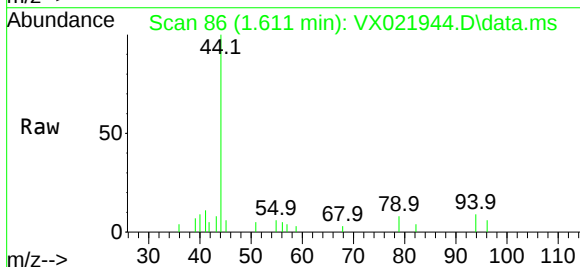
Instrument :
MSVOA_X
ClientSampled :

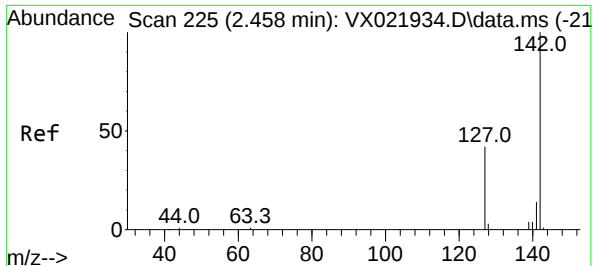
Tgt Ion:128 Resp: 18812
Ion Ratio Lower Upper
128 100
49 169.1 0.0 442.5
130 124.8 0.0 323.3



#5
Bromomethane
Concen: 0.22 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

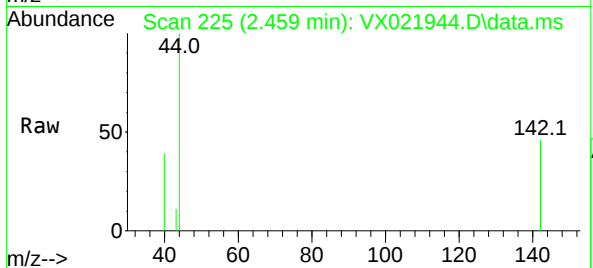
Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 63.1 76.1 114.1#



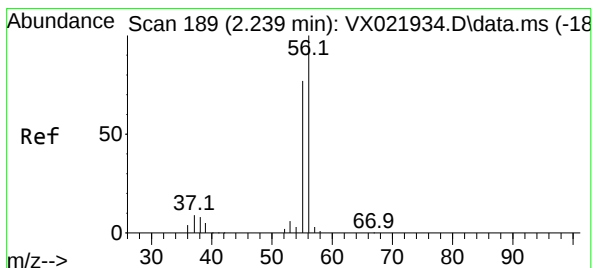
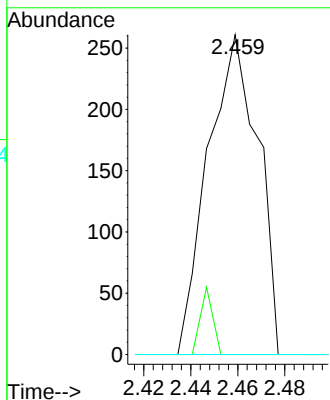
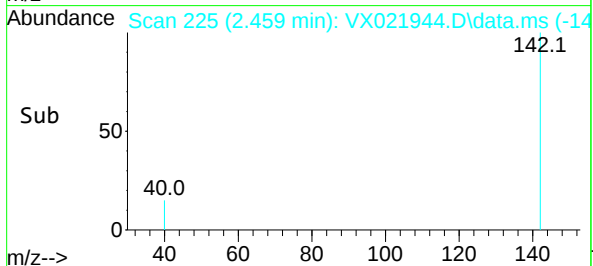


#11
Methyl Iodide
Concen: 0.35 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

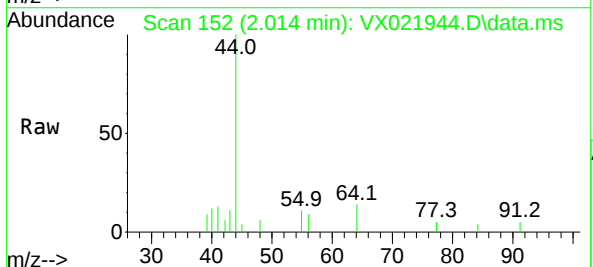
Instrument :
MSVOA_X
ClientSampled :



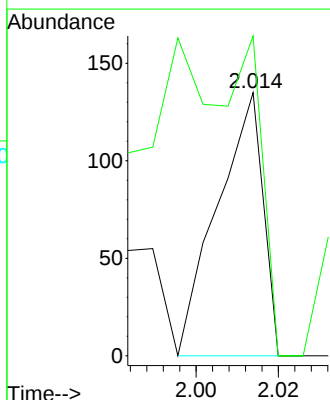
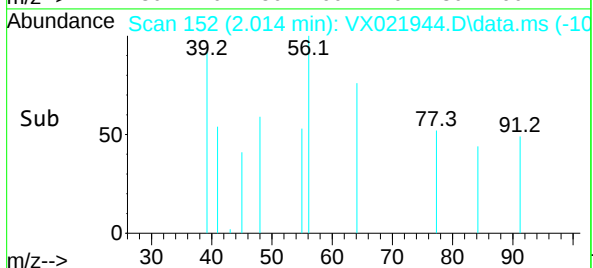
Tgt Ion:142 Resp: 385
Ion Ratio Lower Upper
142 100
127 0.0 21.3 63.7#
141 0.0 7.2 21.6#

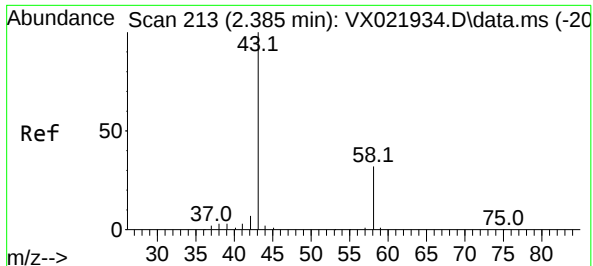


#13
Acrolein
Concen: 0.43 ug/l
RT: 2.014 min Scan# 152
Delta R.T. -0.225 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47



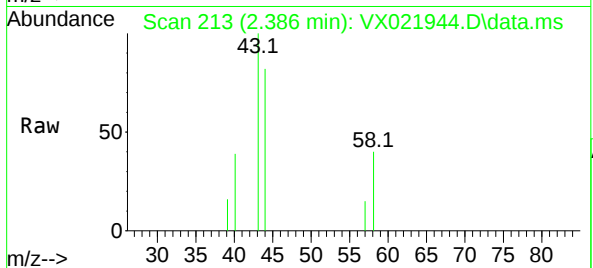
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 57.7 57.6 86.4



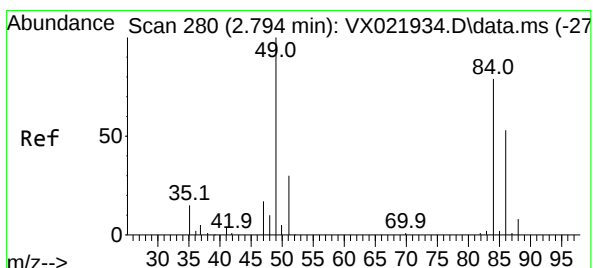
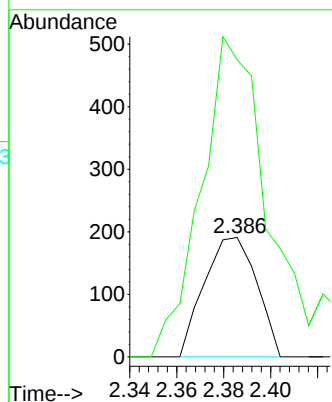
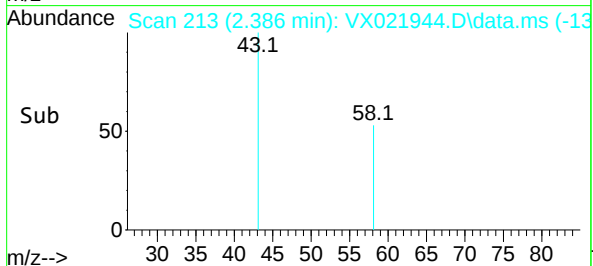


#15
Acetone
Concen: 1.58 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

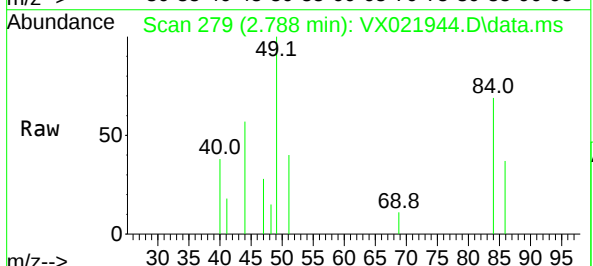
Instrument :
MSVOA_X
ClientSampled :



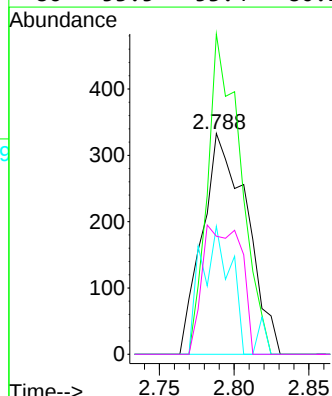
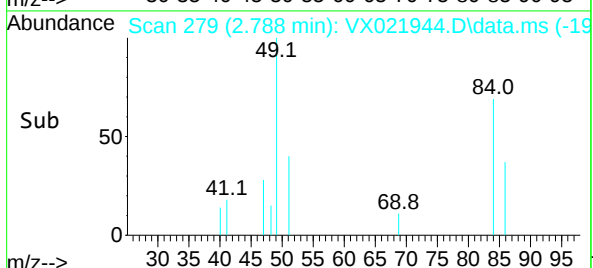
Tgt Ion: 58 Resp: 297
Ion Ratio Lower Upper
58 100
43 204.2 249.5 374.3#

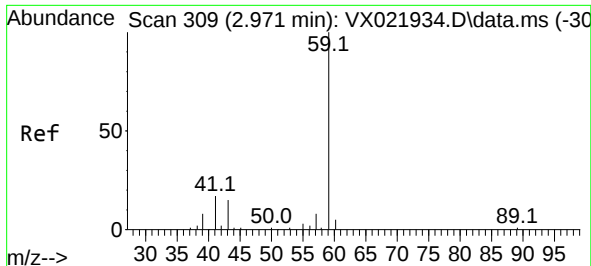


#18
Methylene Chloride
Concen: 0.52 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47



Tgt Ion: 84 Resp: 690
Ion Ratio Lower Upper
84 100
49 145.0 101.6 152.4
51 58.0 30.5 45.7#
86 53.5 53.4 80.2





#23

tert-Butyl Alcohol

Concen: 5.62 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.024 min

Lab File: VX021944.D

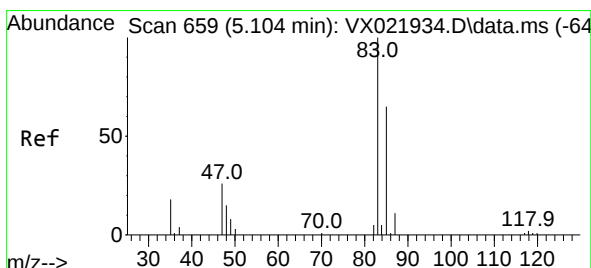
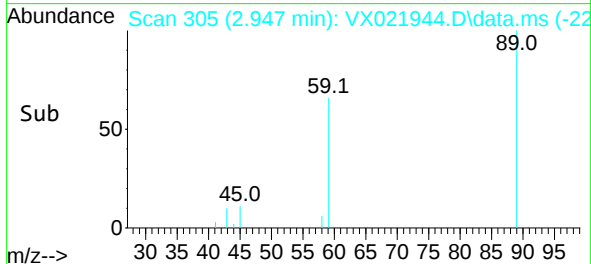
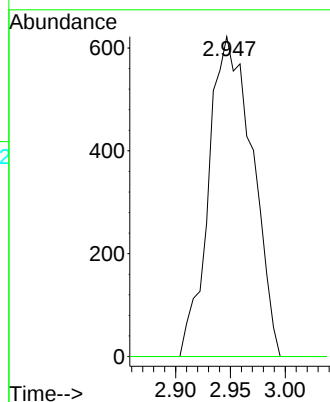
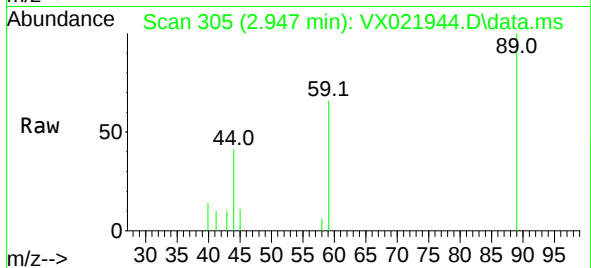
Acq: 12 May 2021 22:47

Tgt Ion: 59 Resp: 1725

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.53 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX021944.D

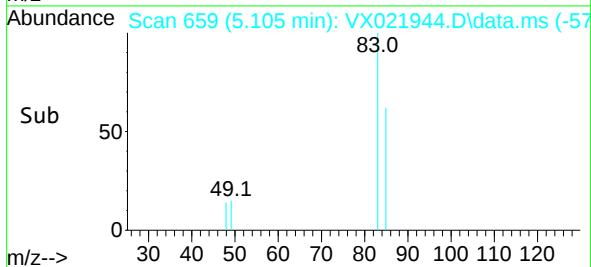
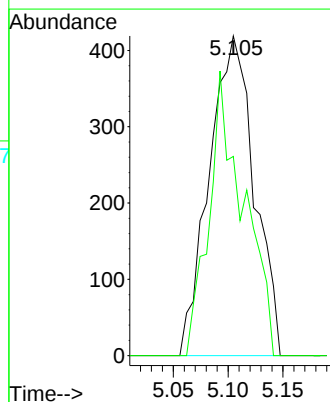
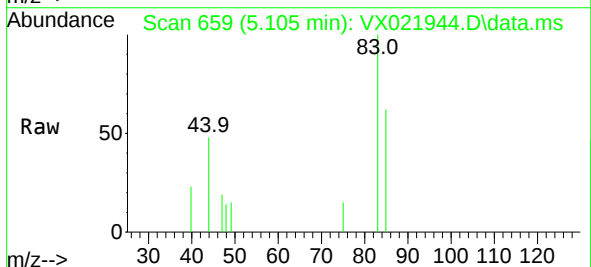
Acq: 12 May 2021 22:47

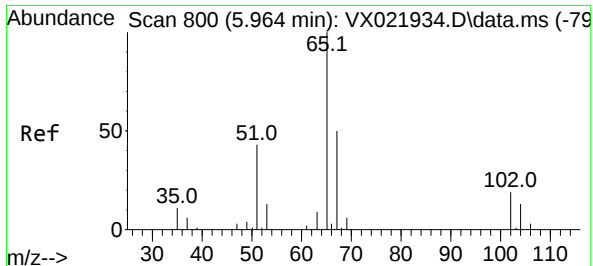
Tgt Ion: 83 Resp: 1201

Ion Ratio Lower Upper

83 100

85 62.3 51.9 77.9





#27

1,2-Dichloroethane-d4

Concen: 30.34 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX021944.D

Acq: 12 May 2021 22:47

Tgt Ion: 65 Resp: 43964

Ion Ratio Lower Upper

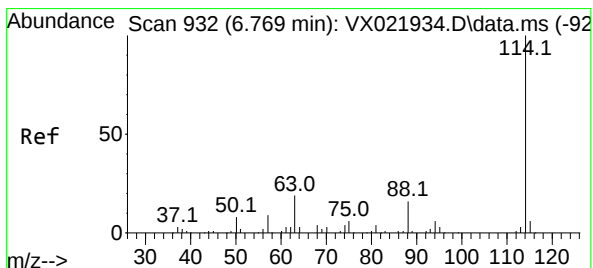
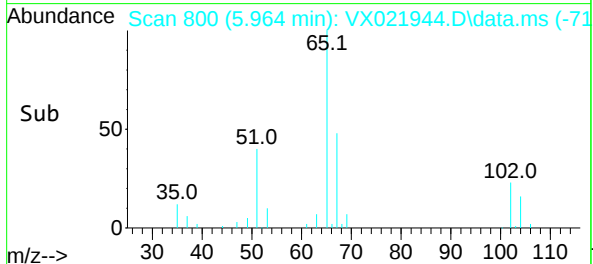
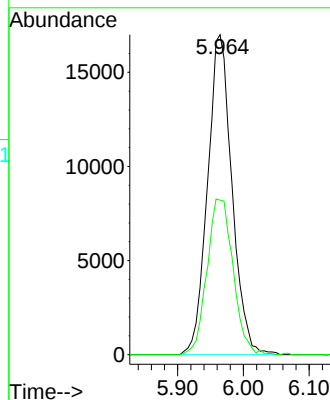
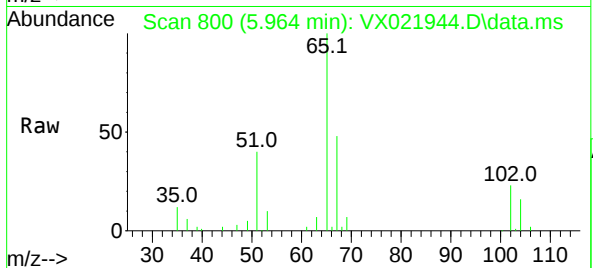
65 100

67 51.6 41.5 62.3

Instrument :

MSVOA_X

ClientSampled :



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX021944.D

Acq: 12 May 2021 22:47

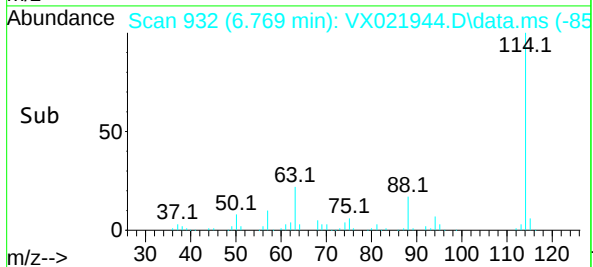
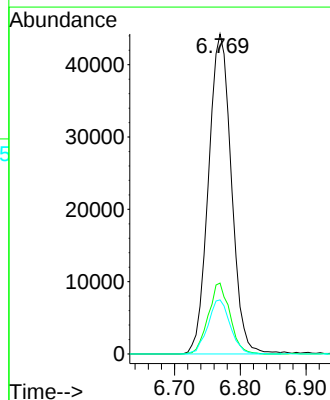
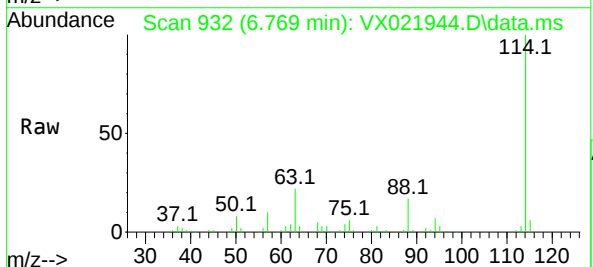
Tgt Ion: 114 Resp: 107161

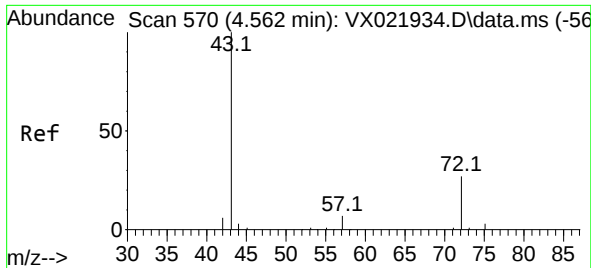
Ion Ratio Lower Upper

114 100

63 20.9 16.6 25.0

88 16.5 13.1 19.7



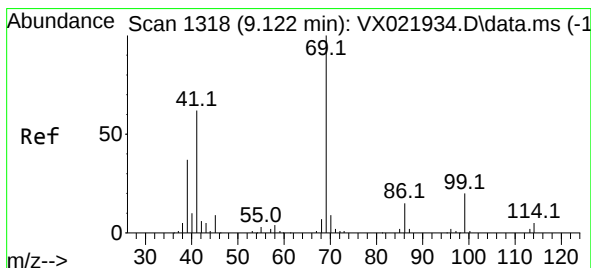
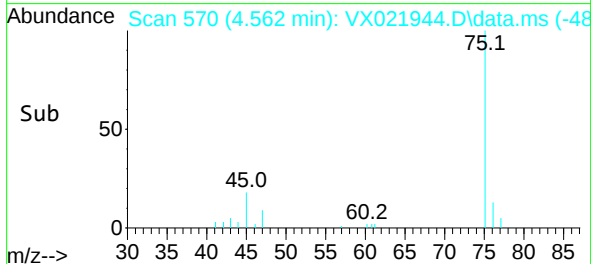
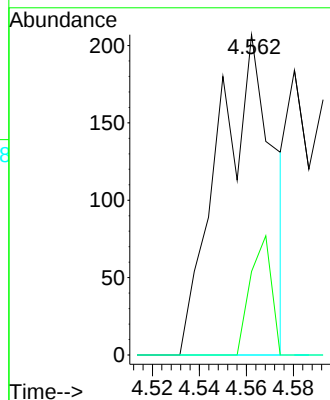
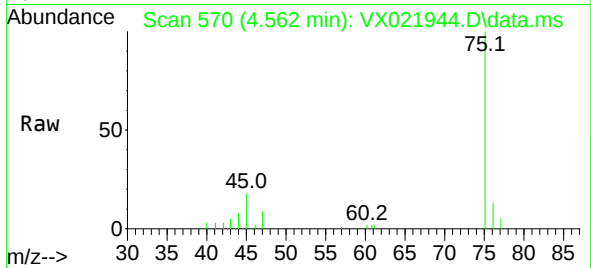


#30
2-Butanone
Concen: 0.35 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 43 Resp: 334

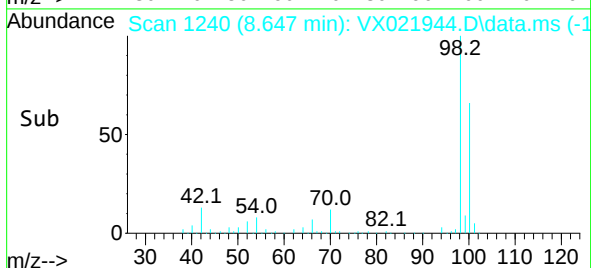
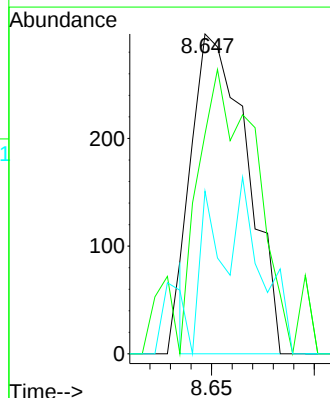
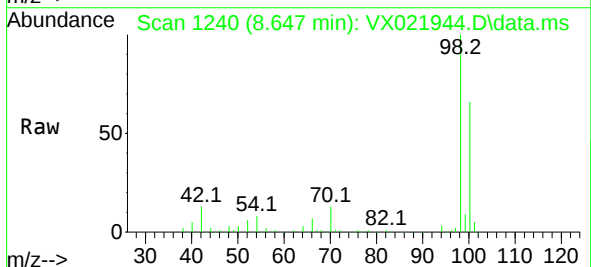
Ion	Ratio	Lower	Upper
43	100		
57	14.4	6.4	9.6#
72	0.0	22.1	33.1#

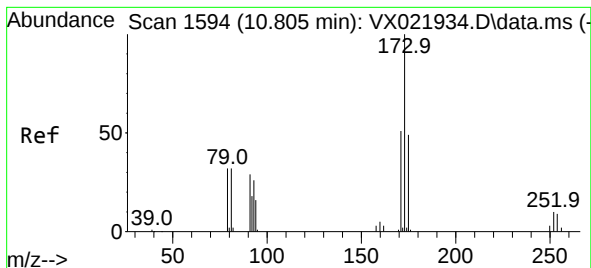


#51
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.475 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Tgt Ion: 69 Resp: 540

Ion	Ratio	Lower	Upper
69	100		
41	68.7	31.1	93.5
39	31.0	18.3	54.9

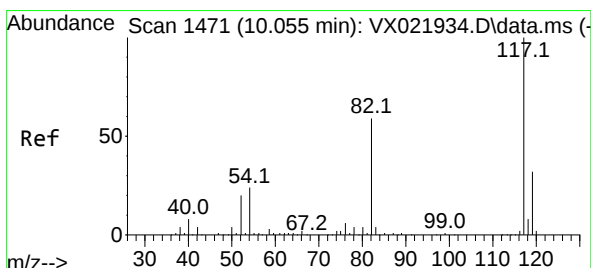
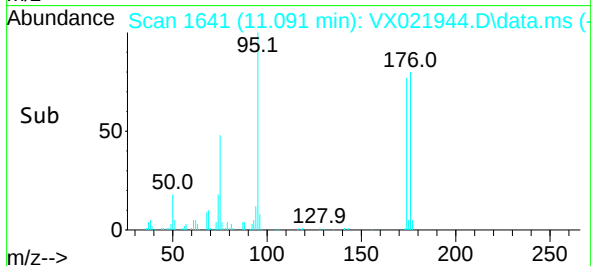
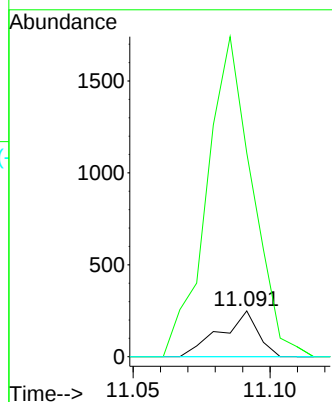
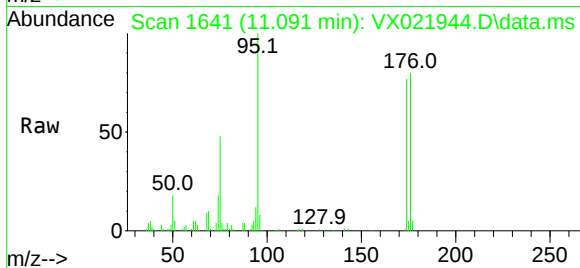




#56
Bromoform
Concen: 0.30 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.287 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

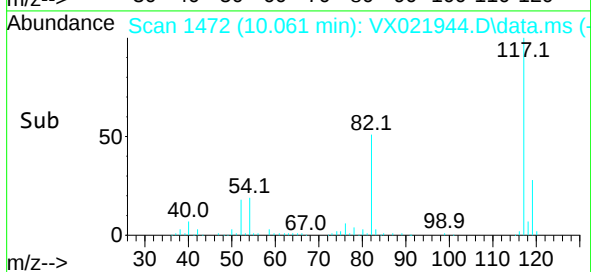
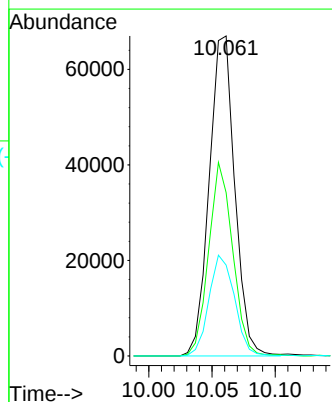
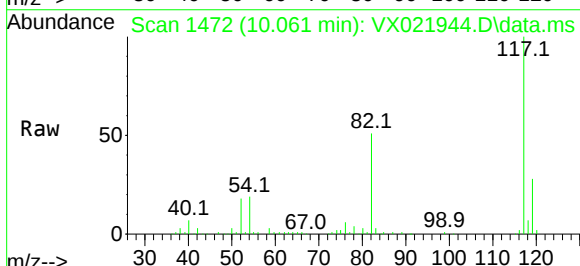
Instrument :
MSVOA_X
ClientSampled :

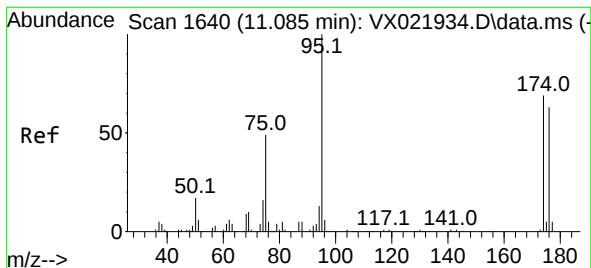
Tgt Ion:173 Resp: 239
Ion Ratio Lower Upper
173 100
175 843.1 39.4 59.2#
254 0.0 8.0 12.0#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Tgt Ion:117 Resp: 94288
Ion Ratio Lower Upper
117 100
82 57.0 44.9 67.3
119 31.6 25.0 37.6

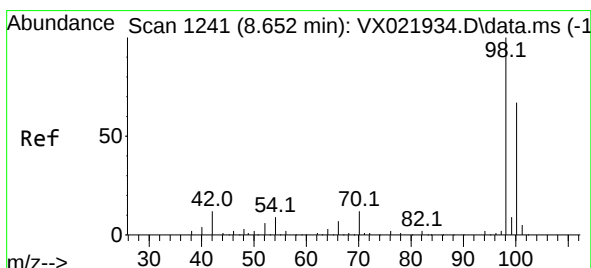
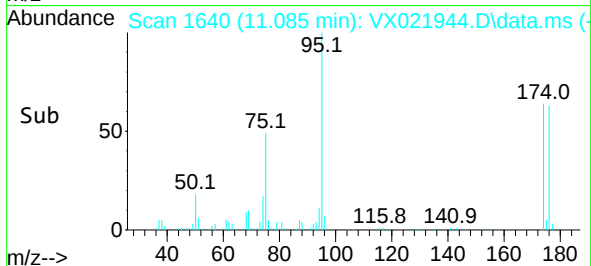
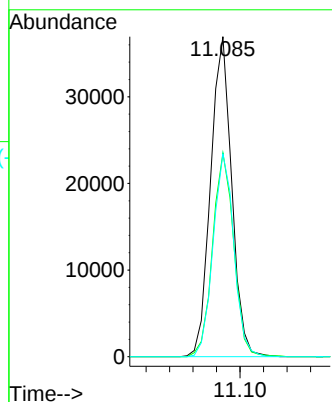
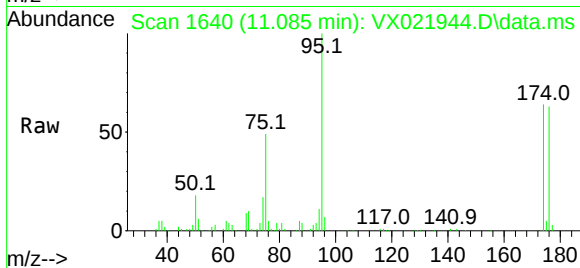




#60
4-Bromofluorobenzene
Concen: 29.44 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

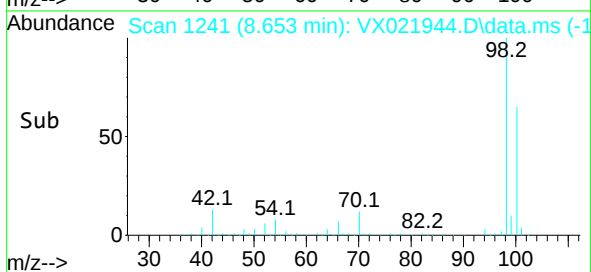
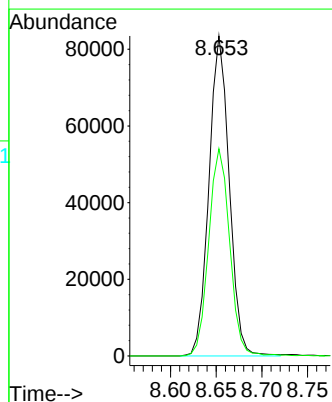
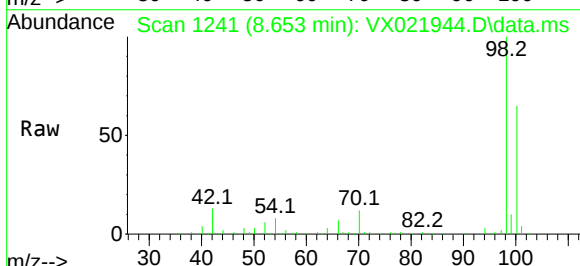
Instrument :
MSVOA_X
ClientSampled :

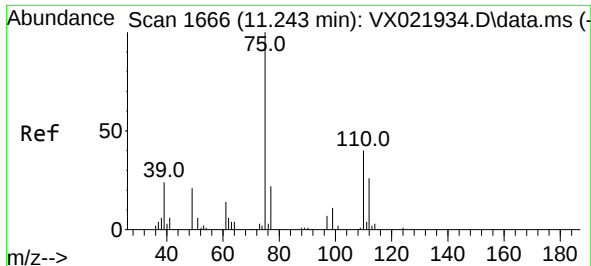
Tgt Ion: 95 Resp: 46060
Ion Ratio Lower Upper
95 100
174 63.8 52.2 78.2
176 62.7 49.3 73.9



#63
Toluene-d8
Concen: 29.88 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Tgt Ion: 98 Resp: 128753
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

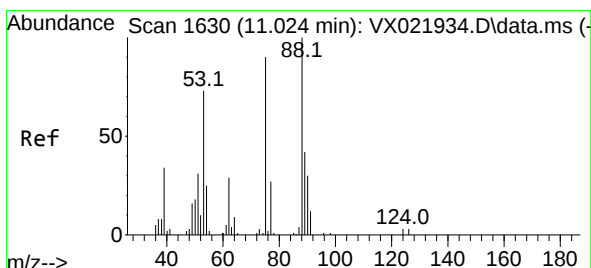
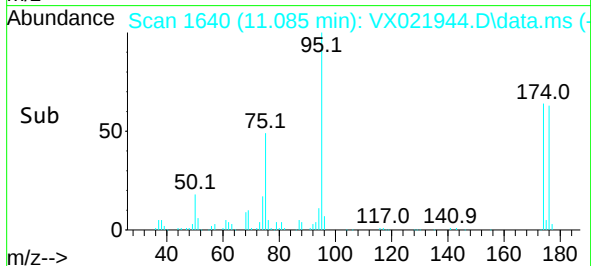
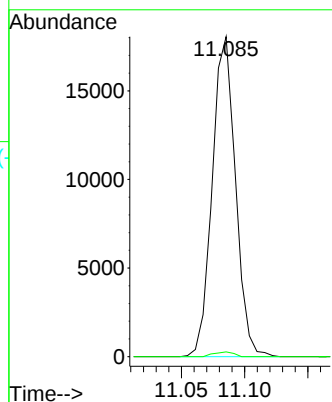
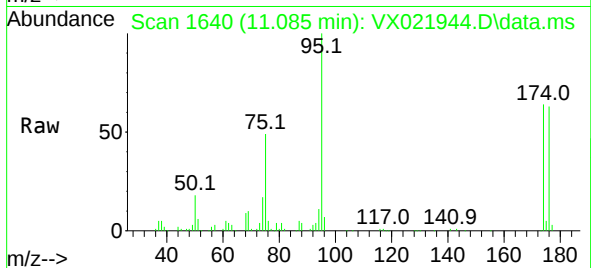




#72
1,2,3-Trichloropropane
Concen: 13.72 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 23091
Ion Ratio Lower Upper
75 100
77 1.3 0.0 33.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.85 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX021944.D
Acq: 12 May 2021 22:47

Tgt Ion: 75 Resp: 23091
Ion Ratio Lower Upper
75 100
53 0.0 40.2 120.6#
89 0.0 23.4 70.0#

