

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041629.D
 Acq On : 23 May 2024 15:22
 Operator : JC/MD
 Sample : P2567-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 06:44:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

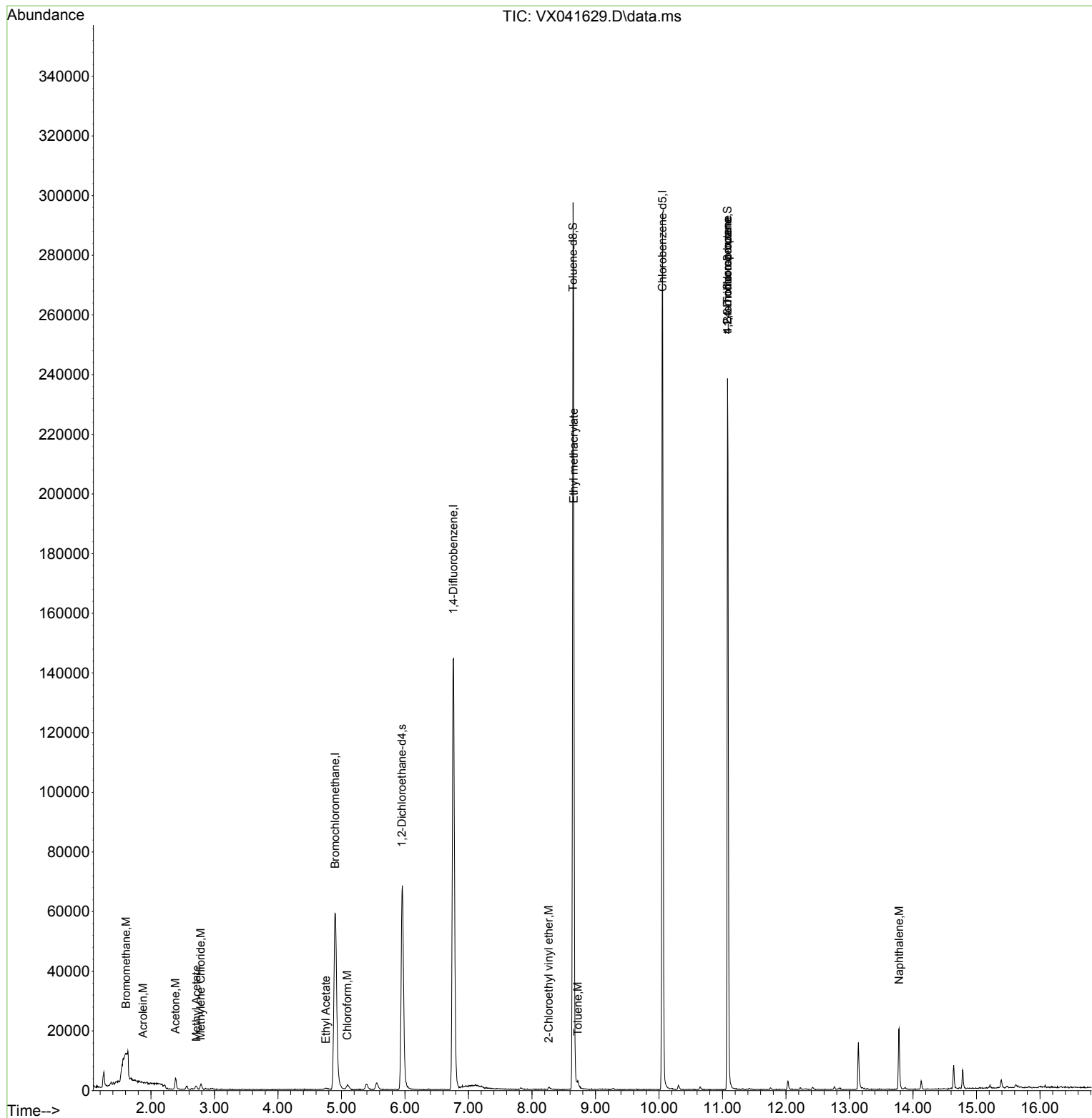
Internal Standards						
1) Bromochloromethane	4.898	128	28712	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	156197	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138937	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	68700	30.384	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.267%
60) 4-Bromofluorobenzene	11.079	95	60491	27.890	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.967%
63) Toluene-d8	8.647	98	178080	29.901	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	420	0.381	ug/l #	45
12) Methyl Acetate	2.715	43	1478	0.668	ug/l #	84
13) Acrolein	1.874	56	73	0.271	ug/l	93
15) Acetone	2.386	58	1120	4.297	ug/l	98
18) Methylene Chloride	2.782	84	1012	0.579	ug/l	94
25) Chloroform	5.093	83	1312	0.401	ug/l	94
43) Ethyl Acetate	4.751	43	699	0.264	ug/l #	82
51) Ethyl methacrylate	8.659	69	564	0.207	ug/l	91
55) 2-Chloroethyl vinyl ether	8.263	63	292	0.220	ug/l #	76
62) Toluene	8.720	91	1570	0.227	ug/l	97
72) 1,2,3-Trichloropropane	11.079	75	31029	13.117	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	31029	41.733	ug/l #	1
91) Naphthalene	13.780	128	15255	1.850	ug/l	97

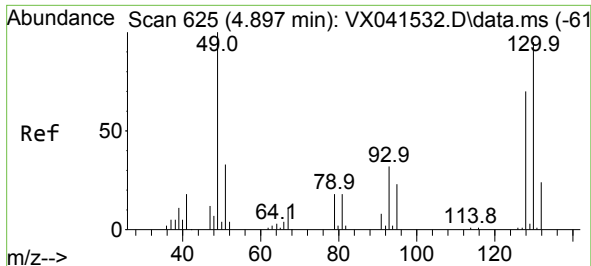
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
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MSVOA_X
ClientSampleId :

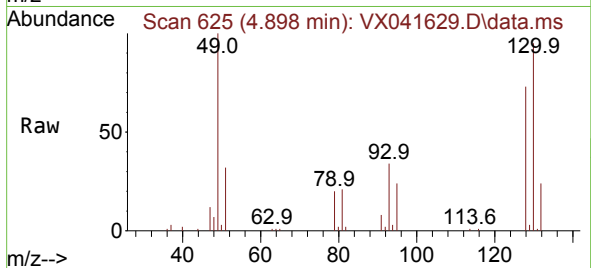
Quant Time: May 24 06:44:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



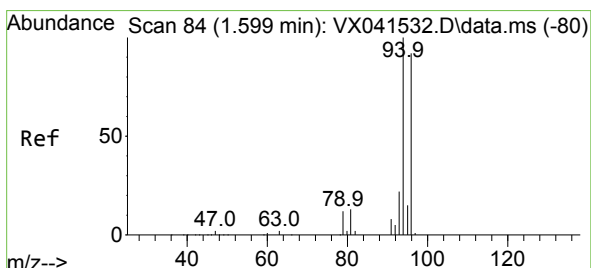
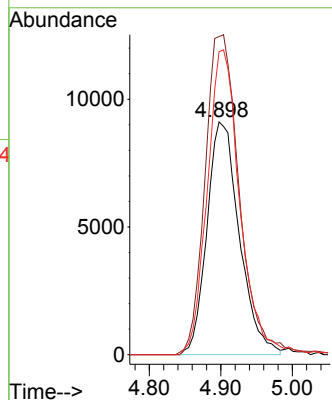
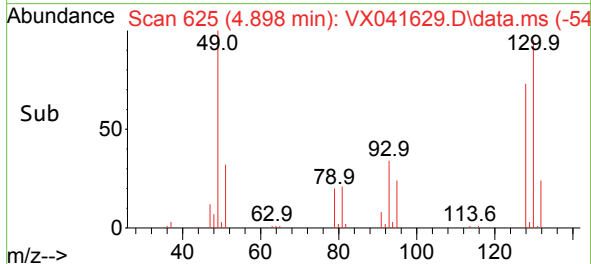


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Instrument :
MSVOA_X
ClientSampleId :

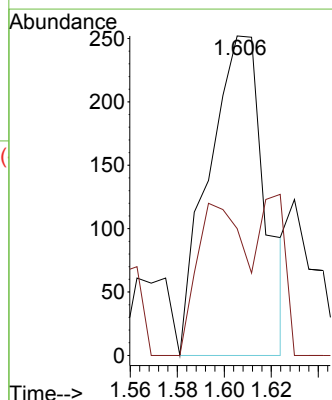
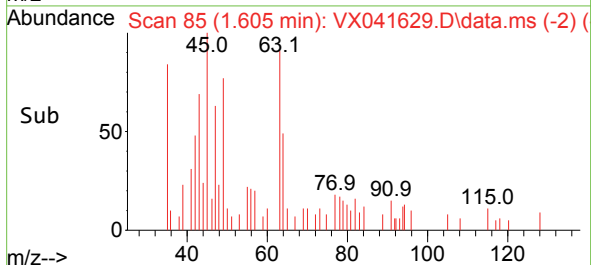
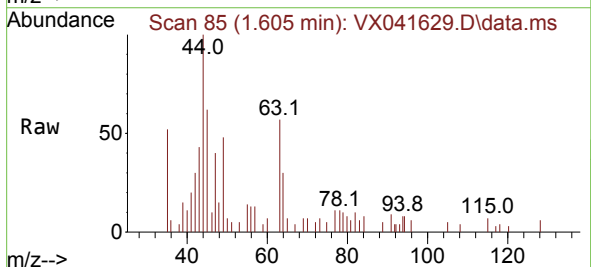


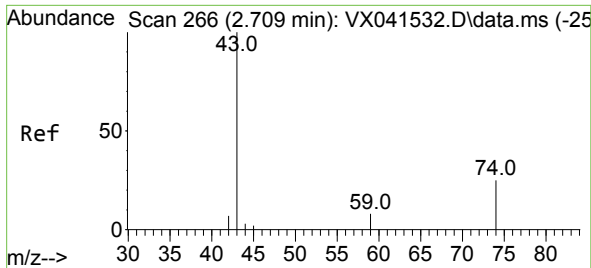
Tgt Ion:128 Resp: 28712
Ion Ratio Lower Upper
128 100
49 145.5 0.0 361.5
130 130.6 0.0 324.3



#5
Bromomethane
Concen: 0.381 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 39.7 73.9 110.9#

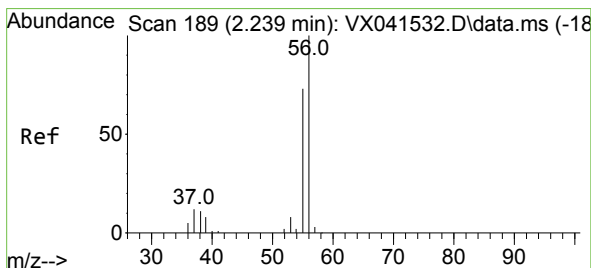
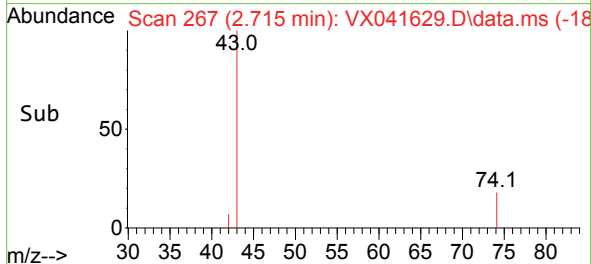
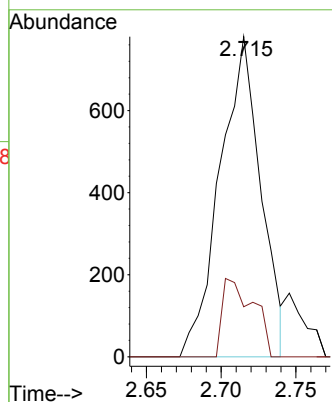
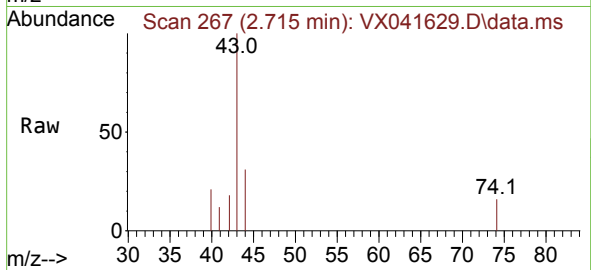




#12
Methyl Acetate
Concen: 0.668 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

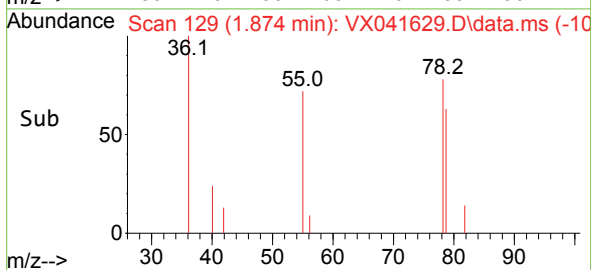
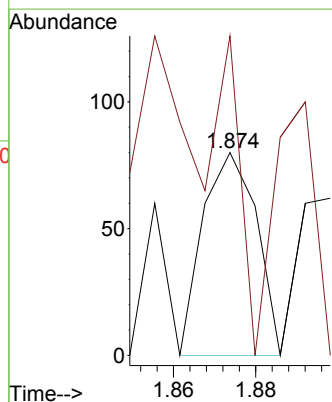
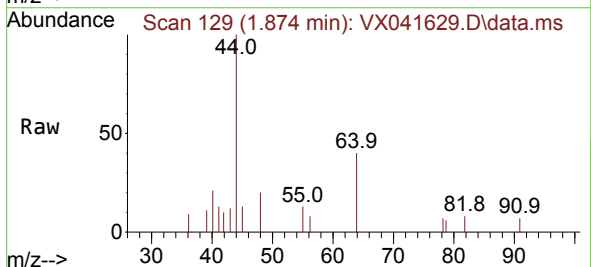
Instrument :
MSVOA_X
ClientSampleId :

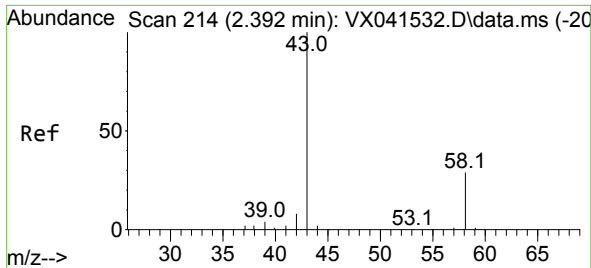
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
74 17.0 19.9 29.9#



#13
Acrolein
Concen: 0.271 ug/l
RT: 1.874 min Scan# 129
Delta R.T. -0.366 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 63.0 55.1 82.7





#15

Acetone

Concen: 4.297 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041629.D

Acq: 23 May 2024 15:22

Instrument :

MSVOA_X

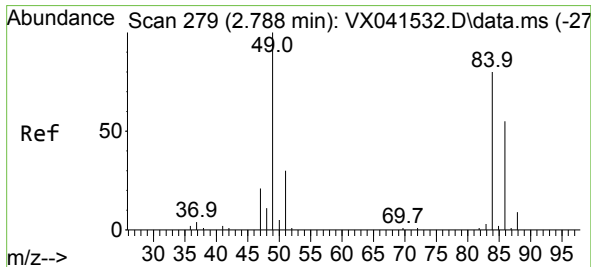
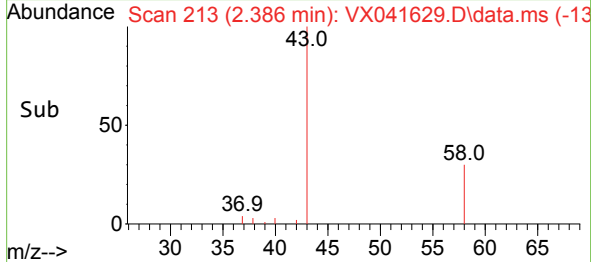
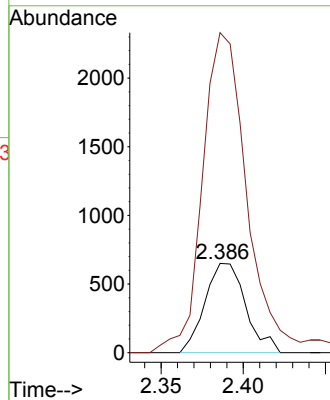
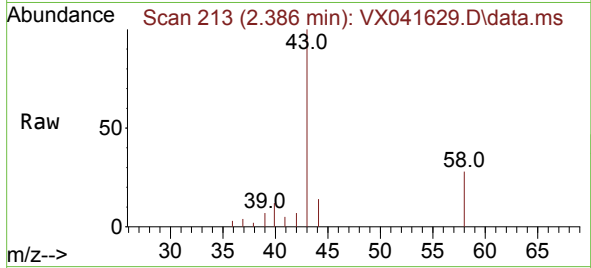
ClientSampleId :

Tgt Ion: 58 Resp: 1120

Ion Ratio Lower Upper

58 100

43 339.2 274.0 411.0



#18

Methylene Chloride

Concen: 0.579 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041629.D

Acq: 23 May 2024 15:22

Tgt Ion: 84 Resp: 1012

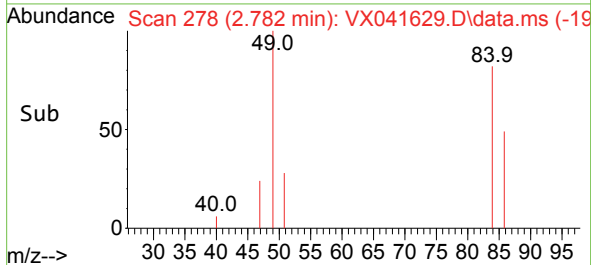
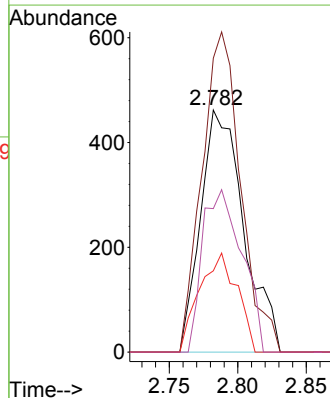
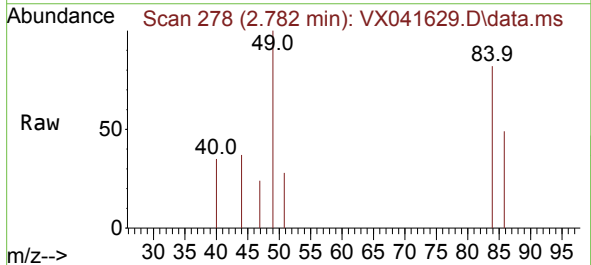
Ion Ratio Lower Upper

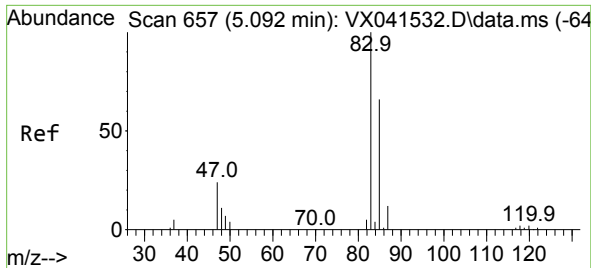
84 100

49 121.4 99.8 149.8

51 33.5 30.2 45.4

86 59.3 54.6 81.8

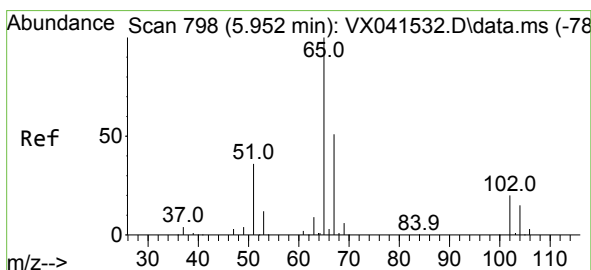
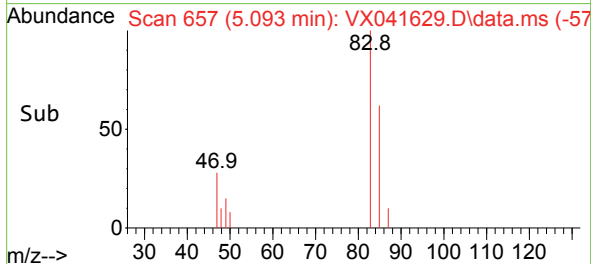
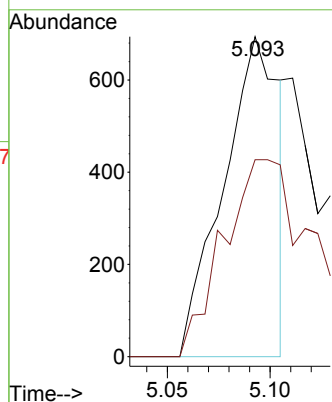
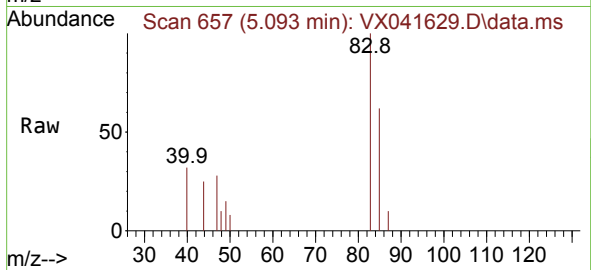




#25
Chloroform
Concen: 0.401 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

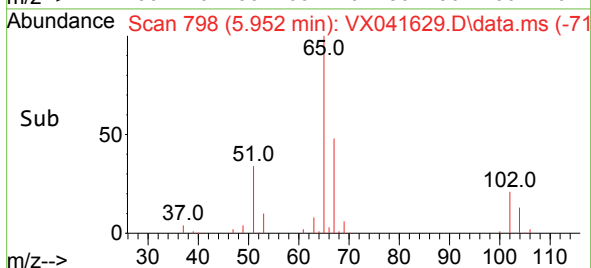
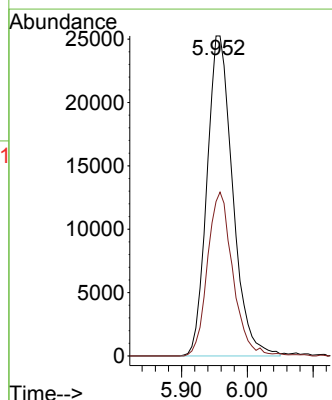
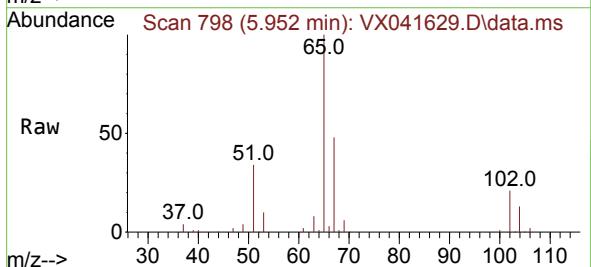
Instrument :
MSVOA_X
ClientSampleId :

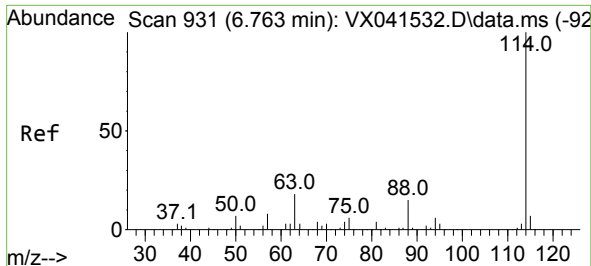
Tgt Ion: 83 Resp: 1312
Ion Ratio Lower Upper
83 100
85 61.5 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 30.384 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Tgt Ion: 65 Resp: 68700
Ion Ratio Lower Upper
65 100
67 50.1 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041629.D

Acq: 23 May 2024 15:22

Instrument :

MSVOA_X

ClientSampleId :

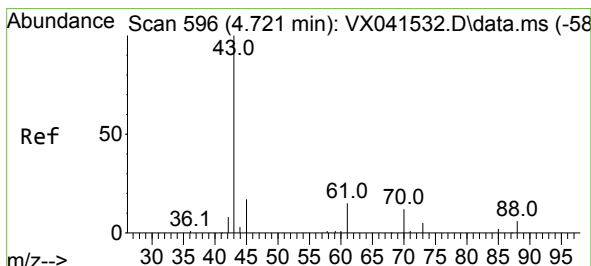
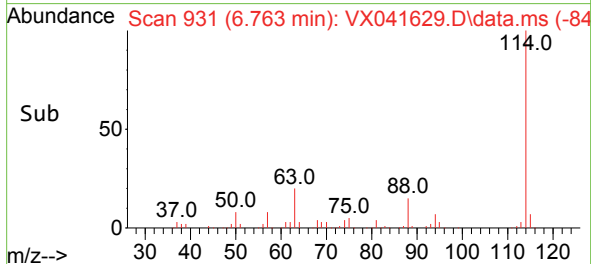
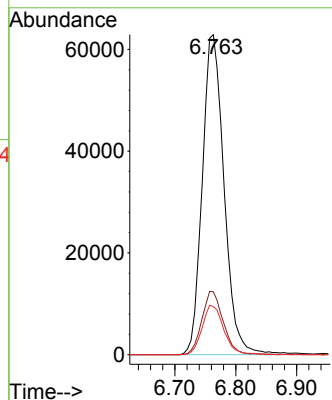
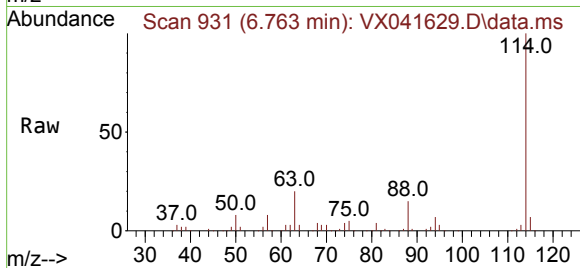
Tgt Ion:114 Resp: 156197

Ion Ratio Lower Upper

114 100

63 19.4 15.4 23.0

88 15.2 12.2 18.2



#43

Ethyl Acetate

Concen: 0.264 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.031 min

Lab File: VX041629.D

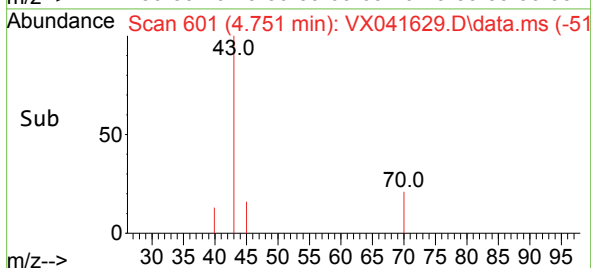
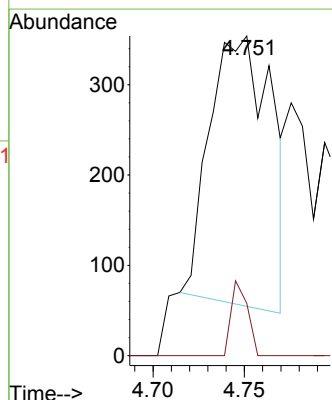
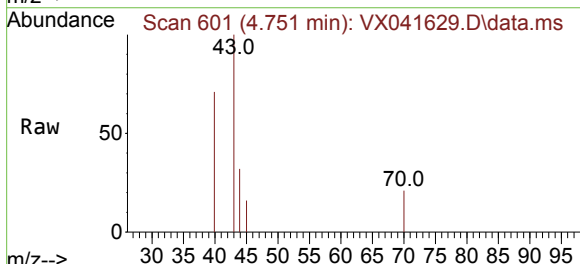
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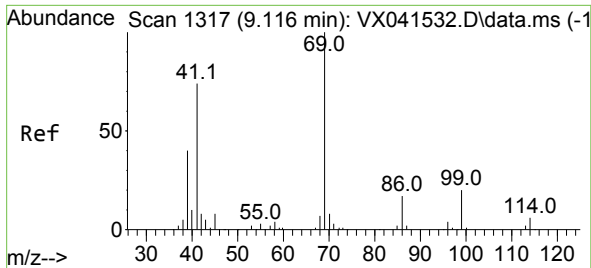
Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

45 7.4 11.9 17.9#

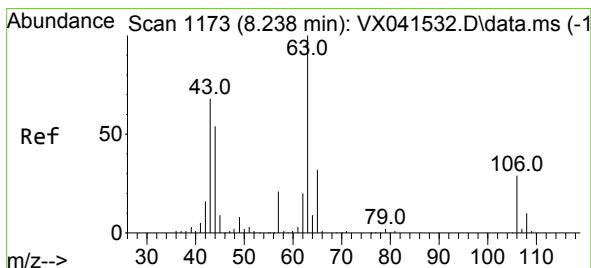
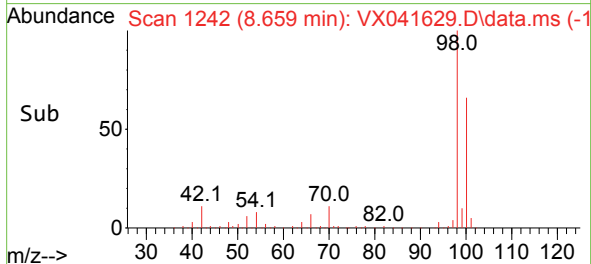
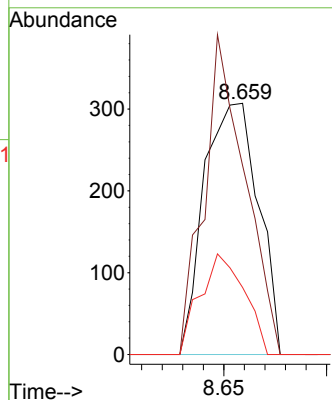
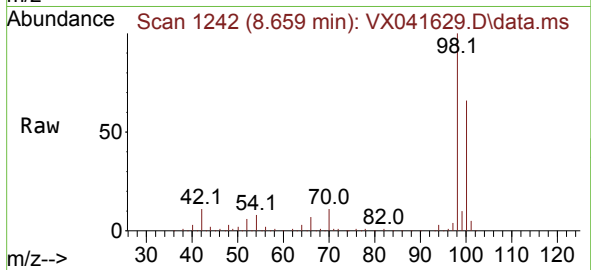




#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 8.659 min Scan# 1177
Delta R.T. -0.457 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

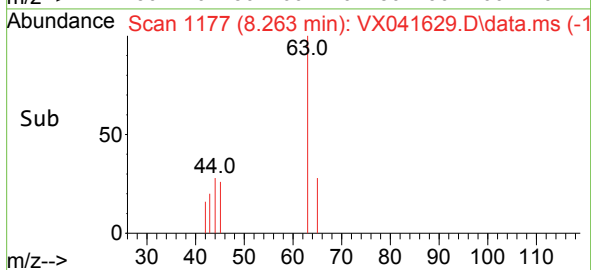
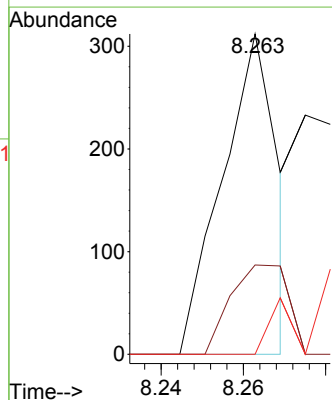
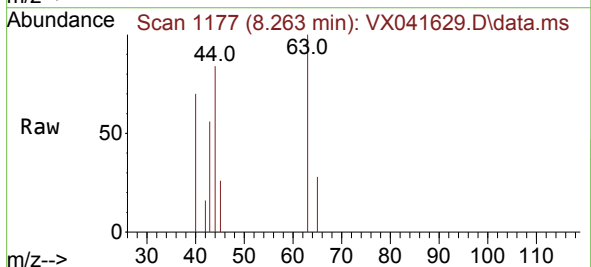
Instrument :
MSVOA_X
ClientSampleId :

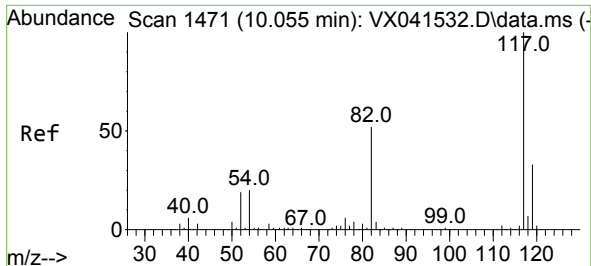
Tgt Ion: 69 Resp: 564
Ion Ratio Lower Upper
69 100
41 75.2 37.1 111.3
39 26.7 20.2 60.6



#55
2-Chloroethyl vinyl ether
Concen: 0.220 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.025 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Tgt Ion: 63 Resp: 292
Ion Ratio Lower Upper
63 100
65 28.8 25.5 38.3
106 6.8 24.7 37.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

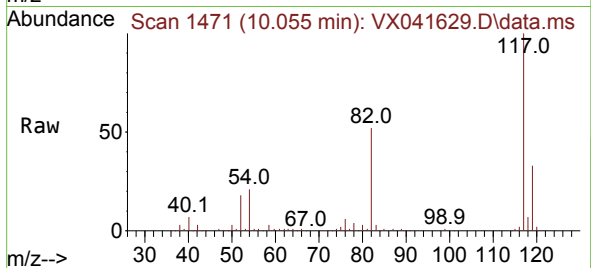
Lab File: VX041629.D

Acq: 23 May 2024 15:22

Instrument :

MSVOA_X

ClientSampleId :



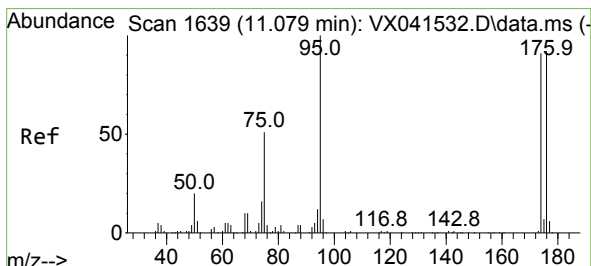
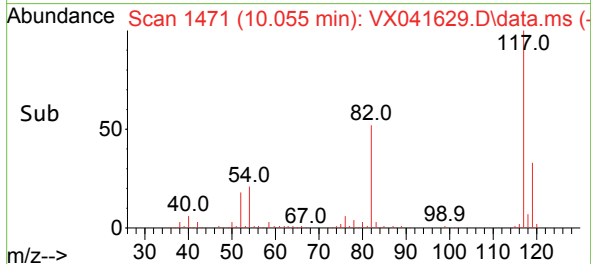
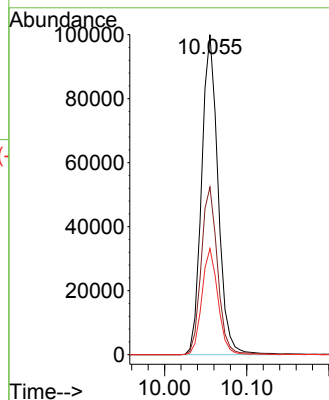
Tgt Ion:117 Resp: 138937

Ion Ratio Lower Upper

117 100

82 52.3 41.7 62.5

119 32.3 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 27.890 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041629.D

Acq: 23 May 2024 15:22

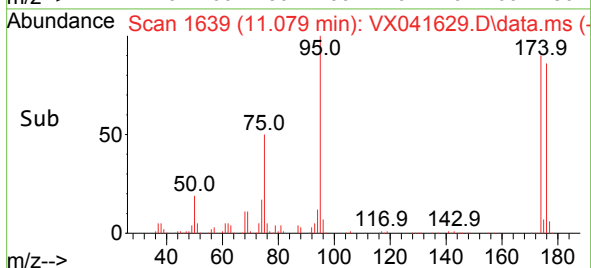
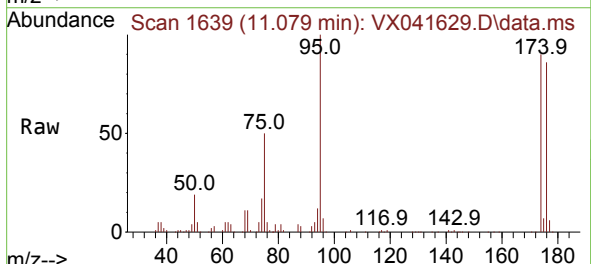
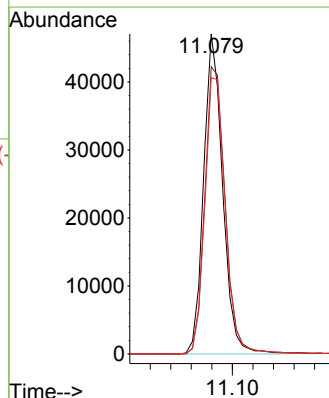
Tgt Ion: 95 Resp: 60491

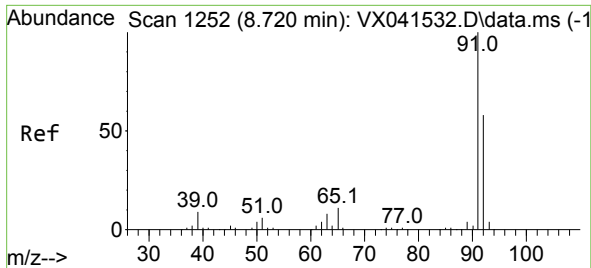
Ion Ratio Lower Upper

95 100

174 96.5 76.6 115.0

176 92.7 75.4 113.0

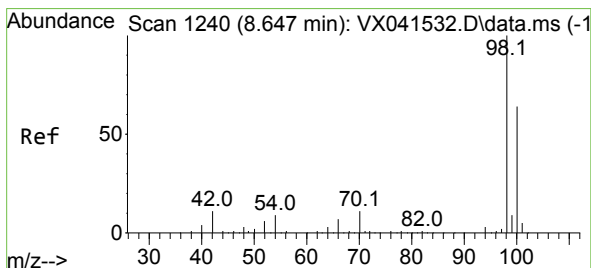
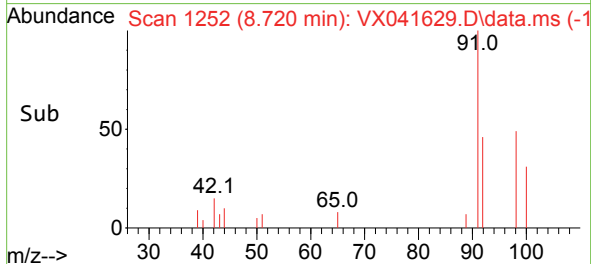
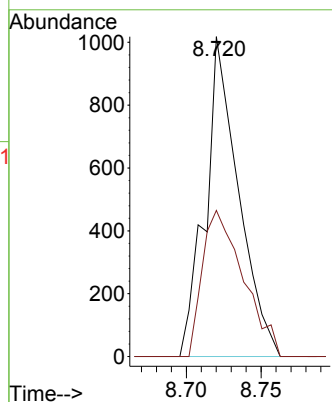
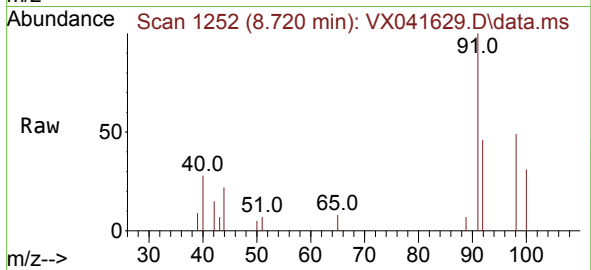




#62
Toluene
Concen: 0.227 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

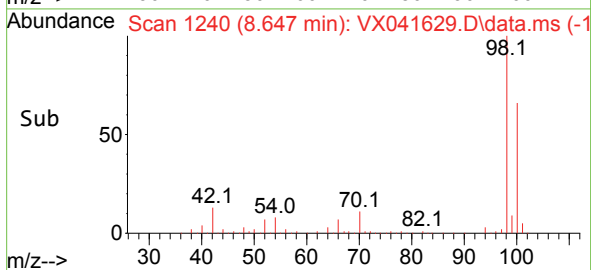
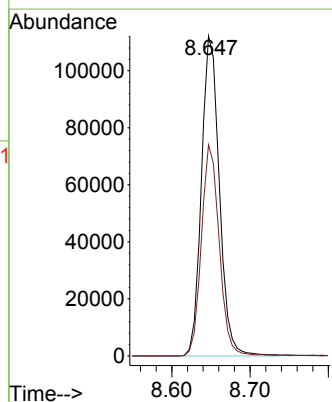
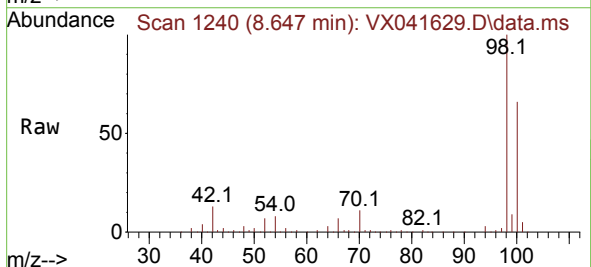
Instrument :
MSVOA_X
ClientSampleId :

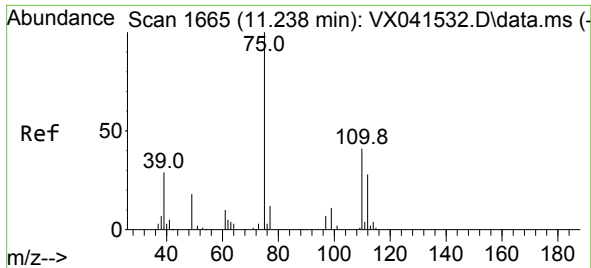
Tgt Ion: 91 Resp: 1570
Ion Ratio Lower Upper
91 100
92 56.3 47.0 70.6



#63
Toluene-d8
Concen: 29.901 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Tgt Ion: 98 Resp: 178080
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

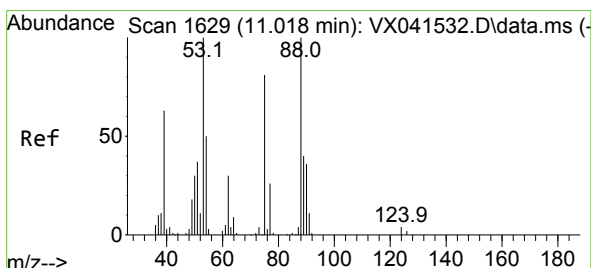
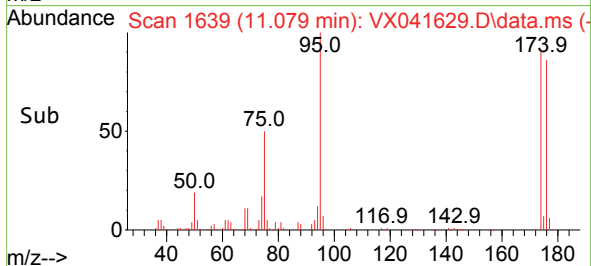
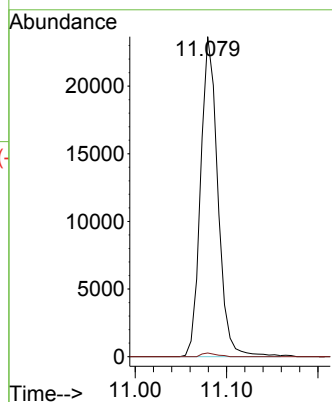
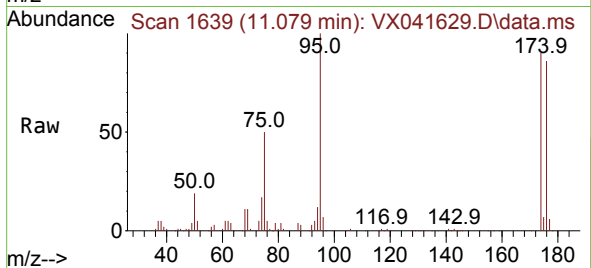




#72
1,2,3-Trichloropropane
Concen: 13.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

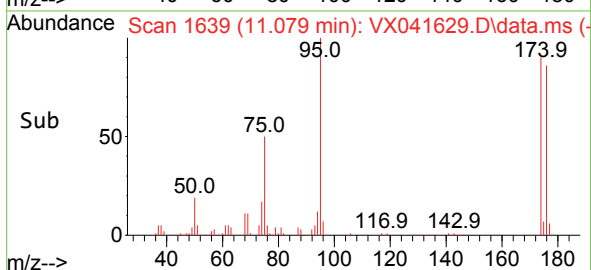
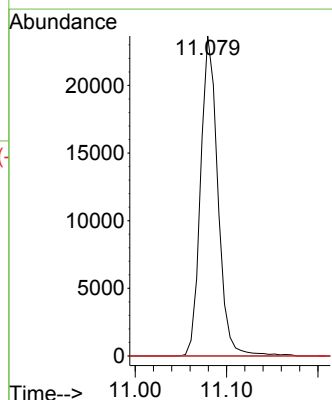
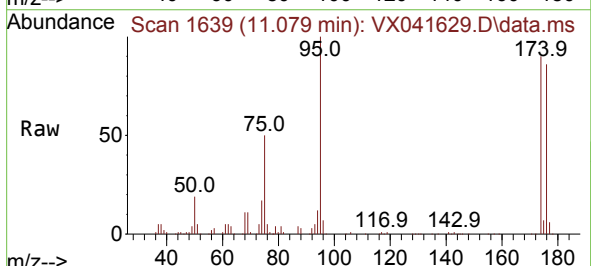
Instrument :
MSVOA_X
ClientSampleId :

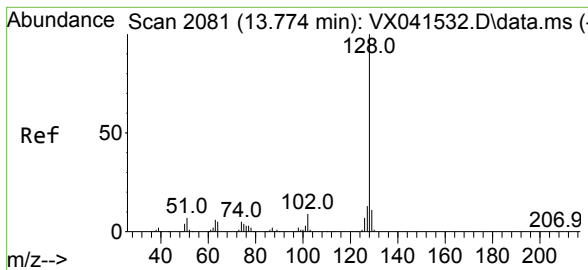
Tgt Ion: 75 Resp: 31029
Ion Ratio Lower Upper
75 100
77 1.0 0.0 78.8



#77
t-1,4-Dichloro-2-butene
Concen: 41.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

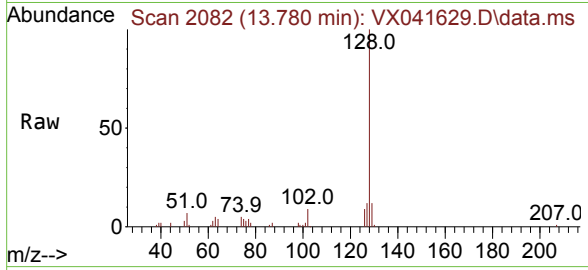
Tgt Ion: 75 Resp: 31029
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#





#91
Naphthalene
Concen: 1.850 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041629.D
Acq: 23 May 2024 15:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.6	16.0
129	11.5	8.8	13.2

