

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051424\
 Data File : VX041517.D
 Acq On : 14 May 2024 14:02
 Operator : JC/MD
 Sample : P2469-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

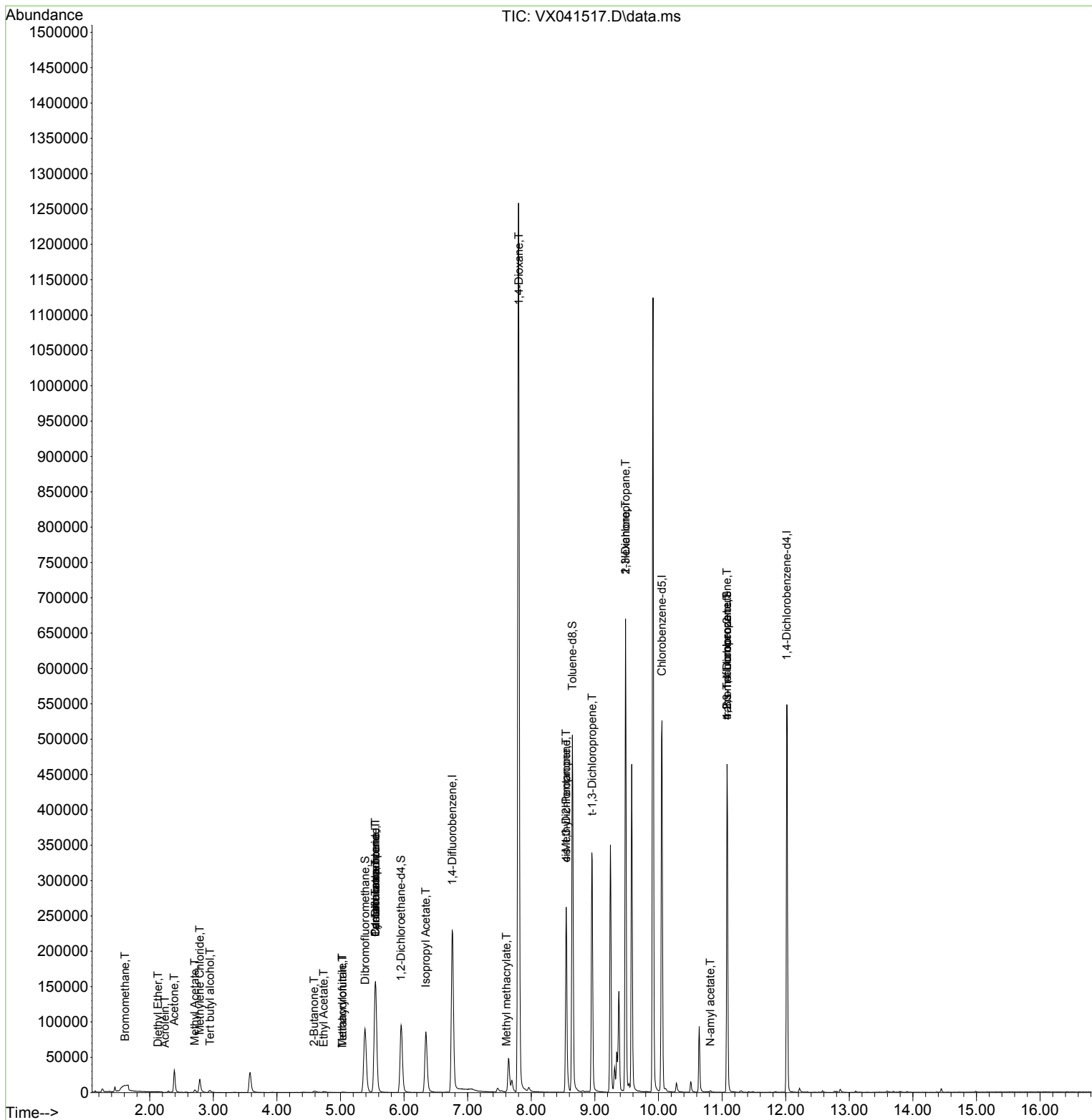
Quant Time: May 15 00:59:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	167941	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	248397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94471	51.672	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.340%			
35) Dibromofluoromethane	5.385	113	77545	46.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.140%			
50) Toluene-d8	8.647	98	294088	55.198	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.400%			
62) 4-Bromofluorobenzene	11.079	95	111520	54.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.140%			
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	364	0.427	ug/l	# 46
8) Diethyl Ether	2.130	74	166	0.201	ug/l	# 1
11) Tert butyl alcohol	2.947	59	2055	5.616	ug/l	# 78
13) Acrolein	2.239	56	92	0.317	ug/l	# 44
16) Acetone	2.386	43	35663	41.027	ug/l	94
18) Methyl Acetate	2.709	43	5361	2.866	ug/l	99
20) Methylene Chloride	2.788	84	9887	6.229	ug/l	94
25) 2-Butanone	4.587	43	4395	3.714	ug/l	97
29) Tetrahydrofuran	5.032	42	486	0.628	ug/l	# 65
31) Cyclohexane	5.550	56	2764	1.253	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	10493	5.213	ug/l	# 52
37) Ethyl Acetate	4.733	43	925	0.368	ug/l	# 78
38) Carbon Tetrachloride	5.550	117	14817	6.426	ug/l	# 15
41) Methacrylonitrile	5.026	41	277	0.214	ug/l	# 33
43) Isopropyl Acetate	6.342	43	120695	31.963	ug/l	98
48) Methyl methacrylate	7.610	41	4385	2.533	ug/l	# 16
49) 1,4-Dioxane	7.806	88	157	4.195	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	93311	41.181	ug/l	# 51
53) t-1,3-Dichloropropene	8.958	75	746	2.752	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	41297	19.100	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	5631	2.308	ug/l	# 42
59) 2-Hexanone	9.482	43	80820	44.606	ug/l	# 52
74) N-amyl acetate	10.817	43	752	0.230	ug/l	# 48
76) 1,2,3-Trichloropropane	11.079	75	57151	28.545	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	57151	77.752	ug/l	# 5

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

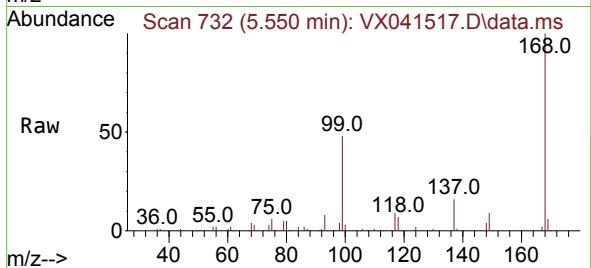
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Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration



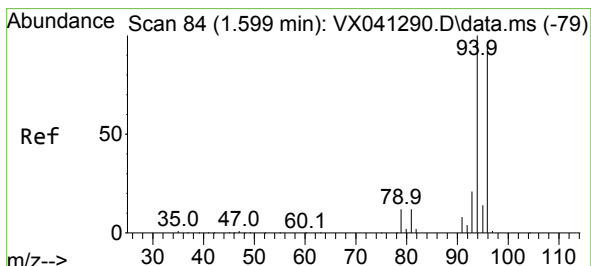
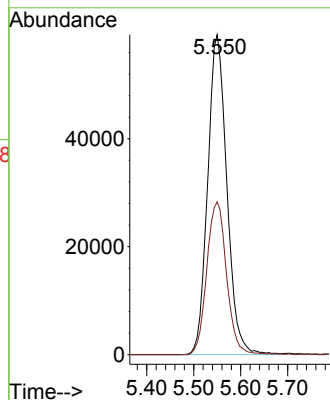
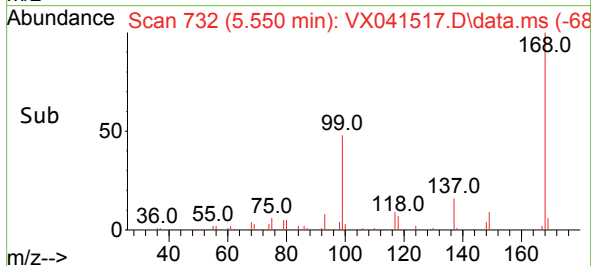


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Instrument :
MSVOA_X
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MH-A

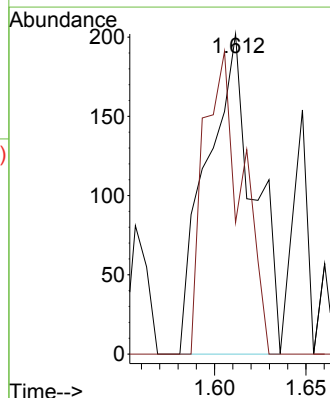
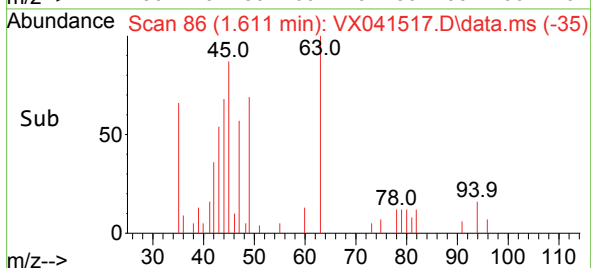
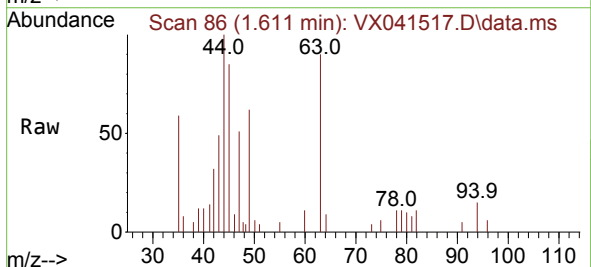


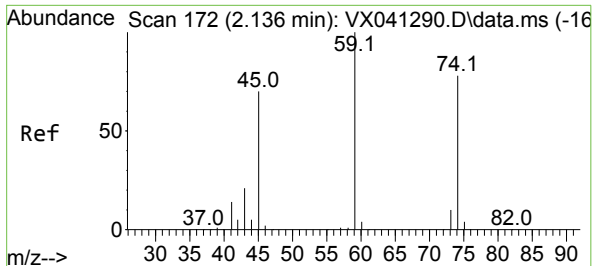
Tgt Ion:168 Resp: 167941
Ion Ratio Lower Upper
168 100
99 47.8 56.6 85.0#



#5
Bromomethane
Concen: 0.427 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 94 Resp: 364
Ion Ratio Lower Upper
94 100
96 41.1 74.6 111.8#

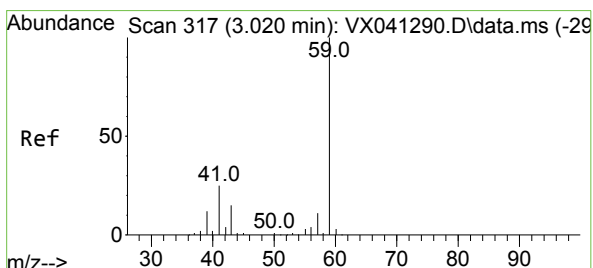
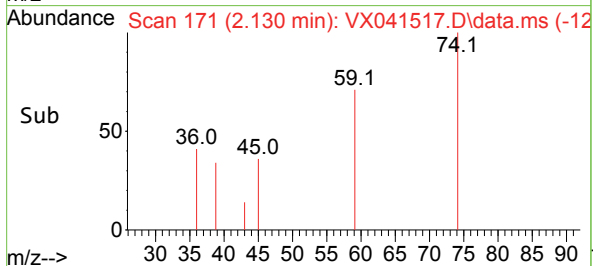
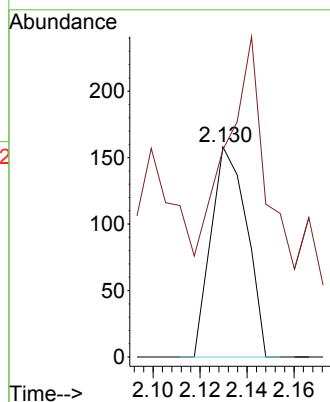
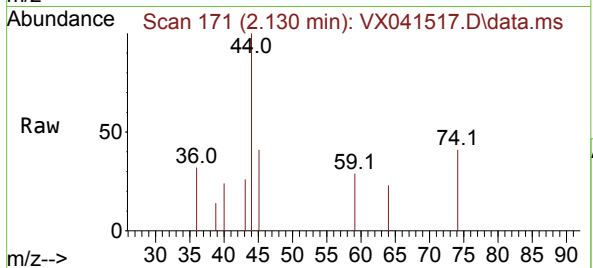




#8
Diethyl Ether
Concen: 0.201 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

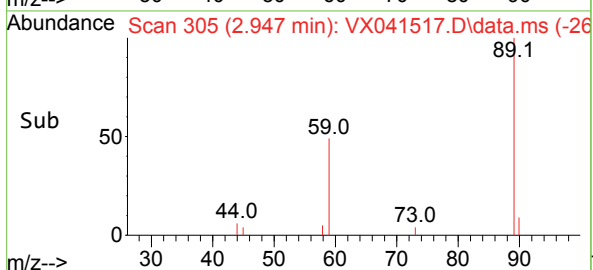
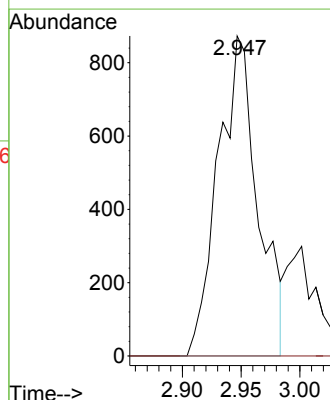
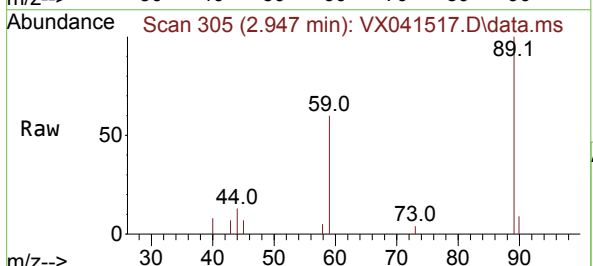
Instrument :
MSVOA_X
ClientSampleId :
MH-A

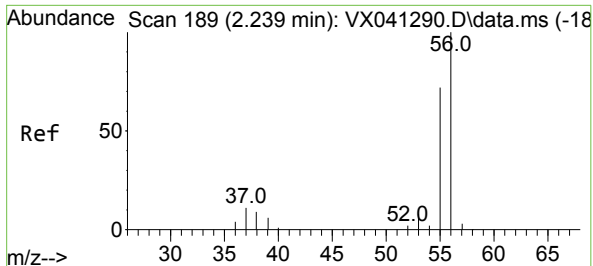
Tgt Ion: 74 Resp: 166
Ion Ratio Lower Upper
74 100
45 228.9 53.3 159.8#



#11
Tert butyl alcohol
Concen: 5.616 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 59 Resp: 2055
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

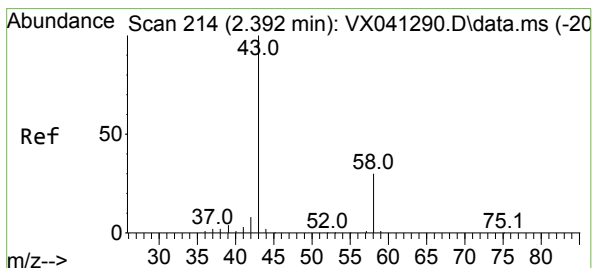
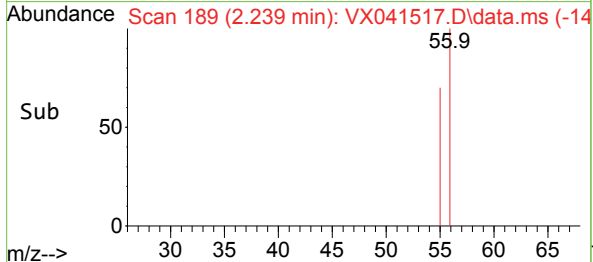
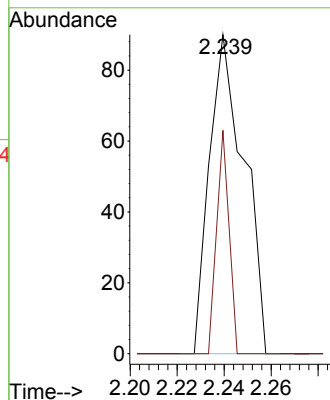
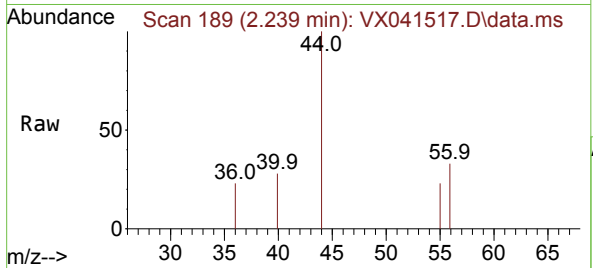




#13
Acrolein
Concen: 0.317 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

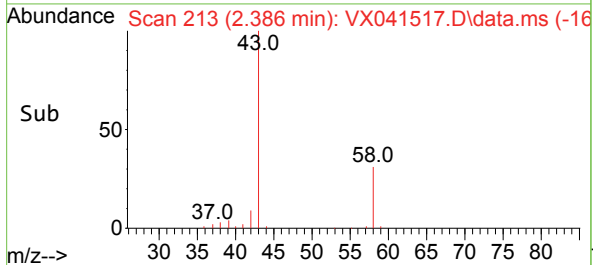
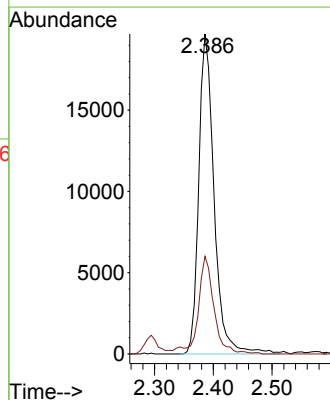
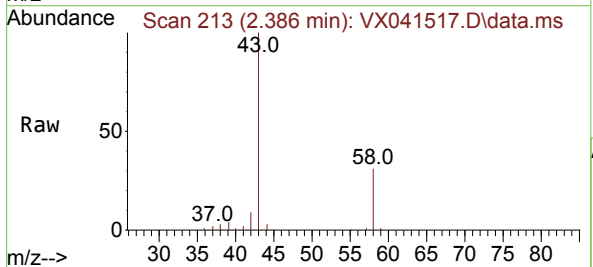
Instrument :
MSVOA_X
ClientSampleId :
MH-A

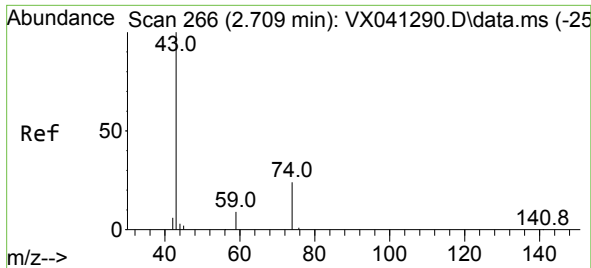
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 25.0 57.1 85.7#



#16
Acetone
Concen: 41.027 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 43 Resp: 35663
Ion Ratio Lower Upper
43 100
58 30.5 21.9 32.9

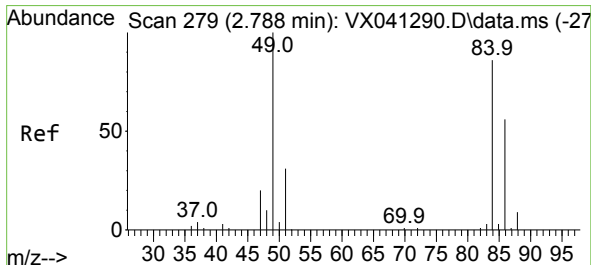
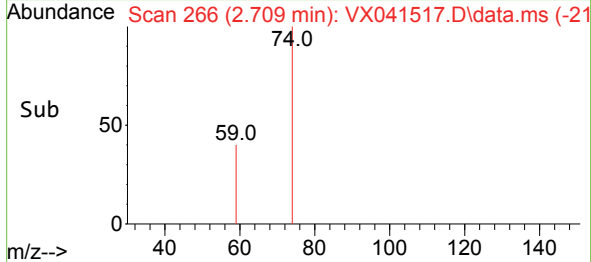
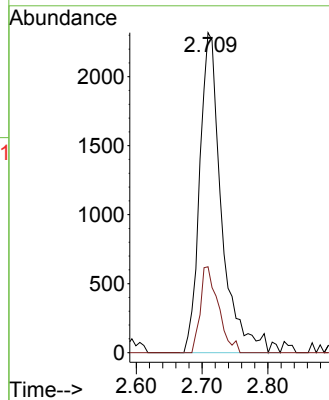
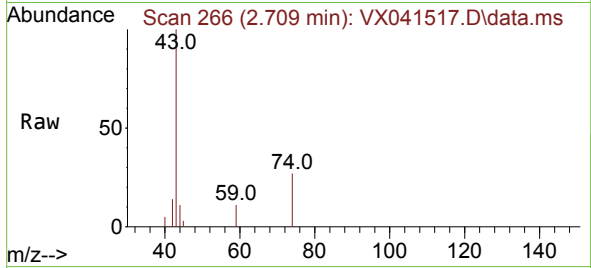




#18
Methyl Acetate
Concen: 2.866 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

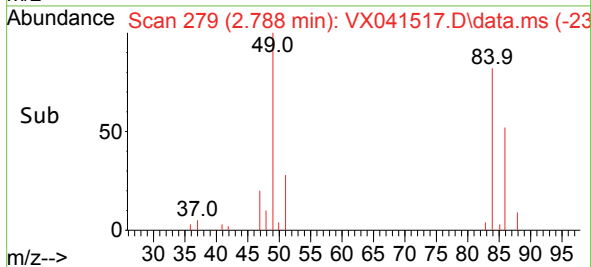
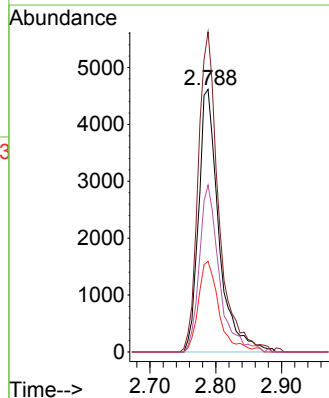
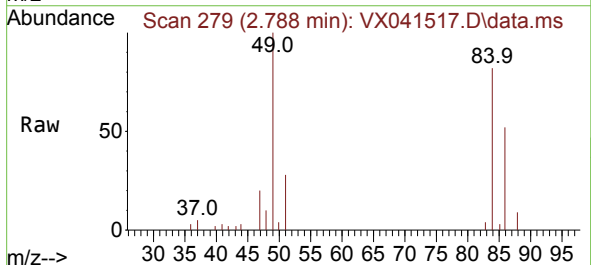
Instrument :
MSVOA_X
ClientSampleId :
MH-A

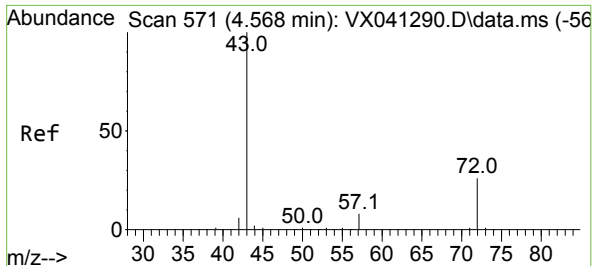
Tgt Ion: 43 Resp: 5361
Ion Ratio Lower Upper
43 100
74 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 6.229 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 84 Resp: 9887
Ion Ratio Lower Upper
84 100
49 121.9 103.6 155.4
51 34.6 33.8 50.6
86 63.6 49.4 74.0

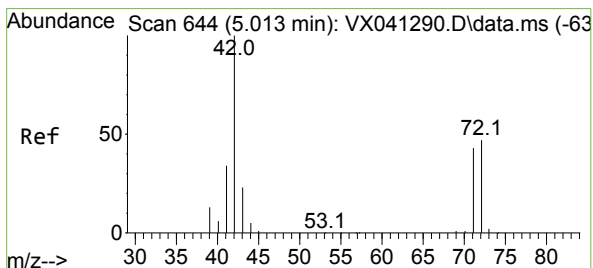
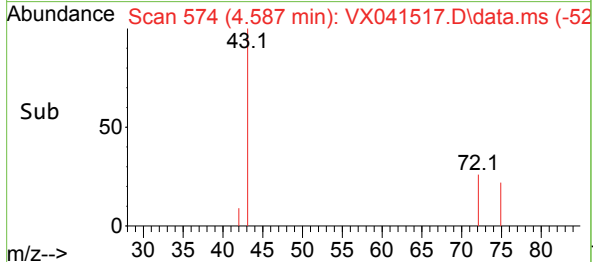
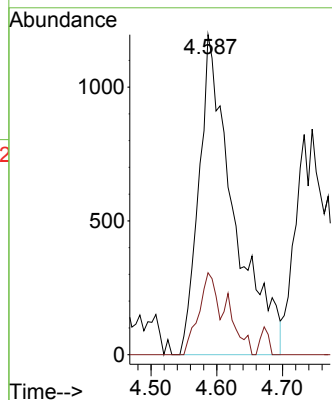
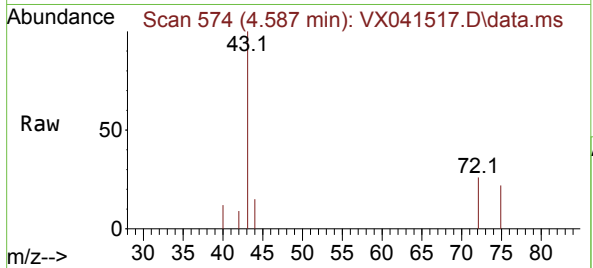




#25
2-Butanone
Concen: 3.714 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

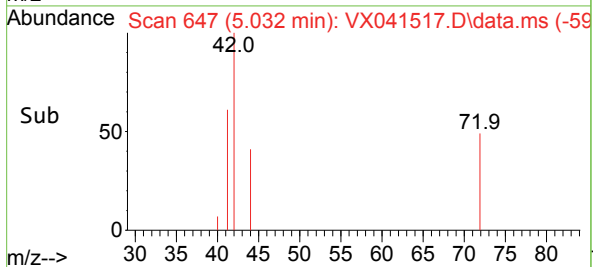
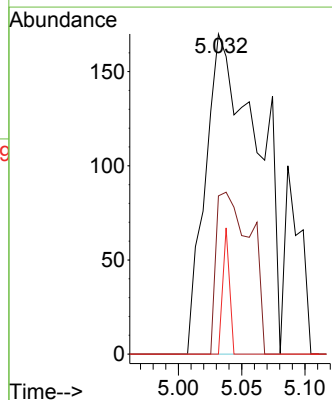
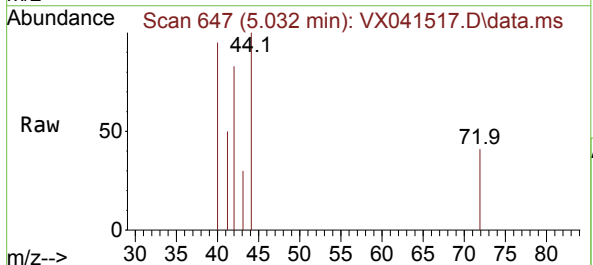
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MSVOA_X
ClientSampleId :
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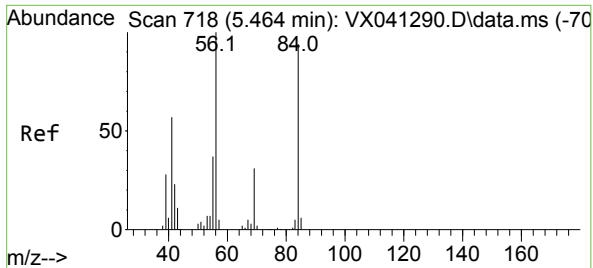
Tgt Ion: 43 Resp: 4395
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.628 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 33.3 34.2 51.4#
71 5.1 32.2 48.2#

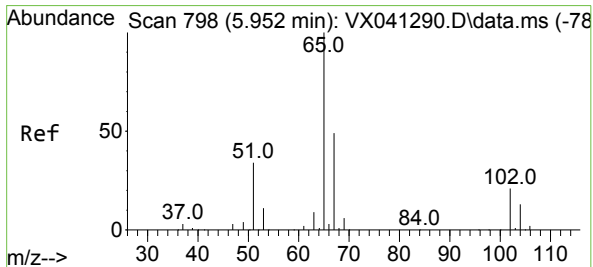
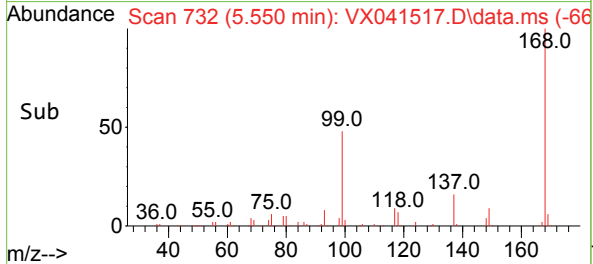
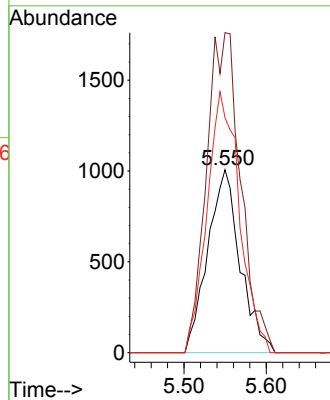
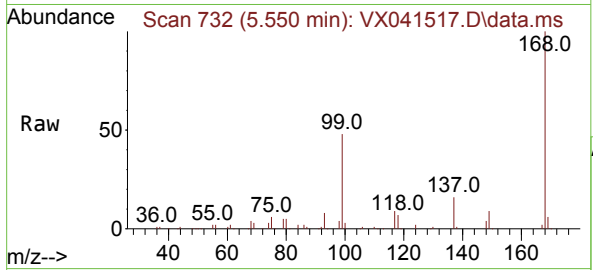




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

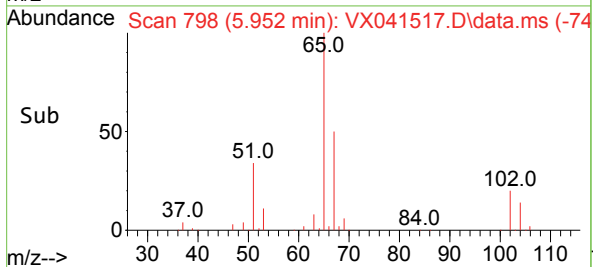
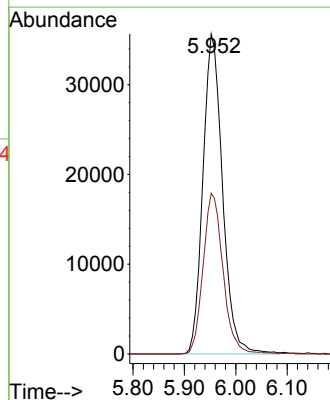
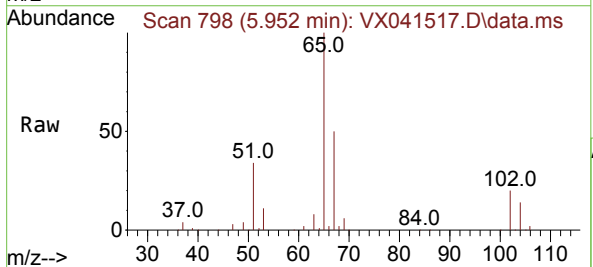
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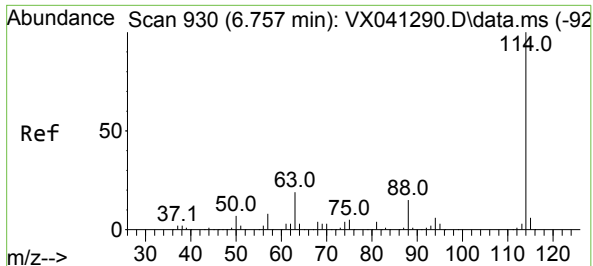
Tgt Ion: 56 Resp: 2764
Ion Ratio Lower Upper
56 100
69 175.0 23.4 35.2#
84 128.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.672 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 65 Resp: 94471
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

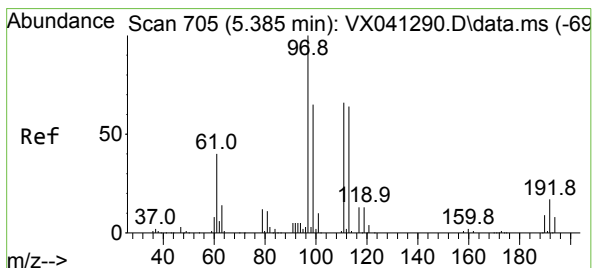
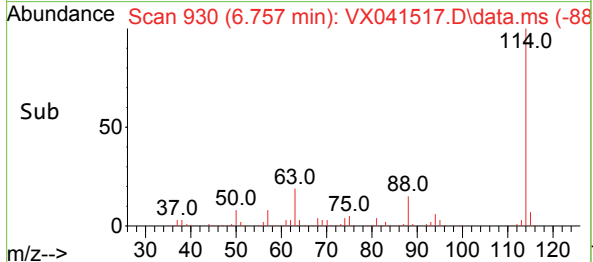
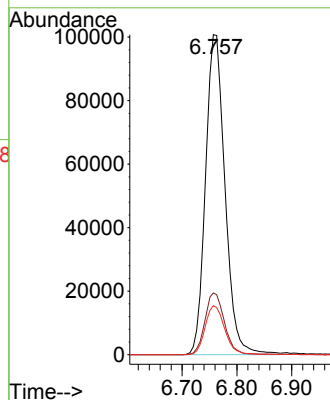
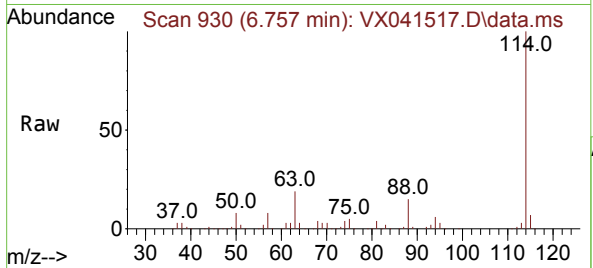




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

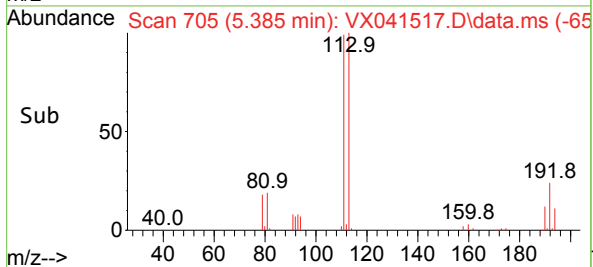
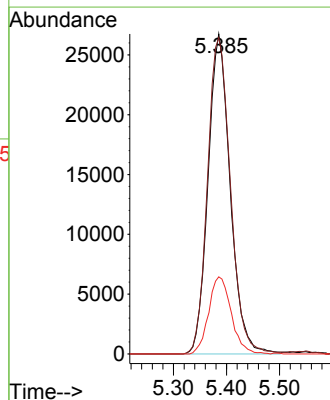
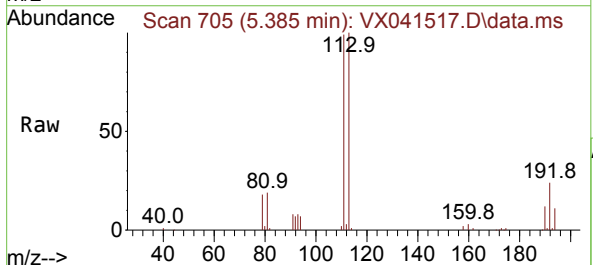
Instrument :
MSVOA_X
ClientSampleId :
MH-A

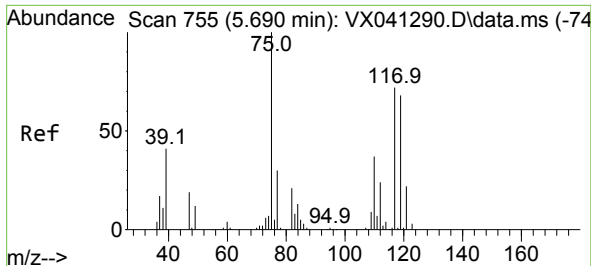
Tgt Ion:114 Resp: 248397
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.067 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion:113 Resp: 77545
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 24.6 13.3 19.9#

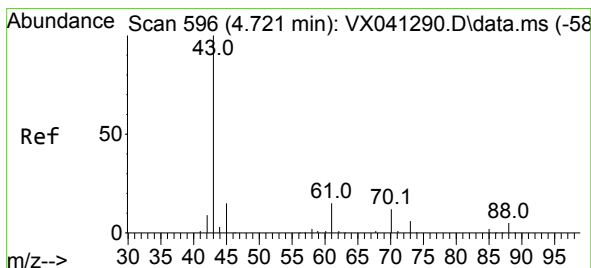
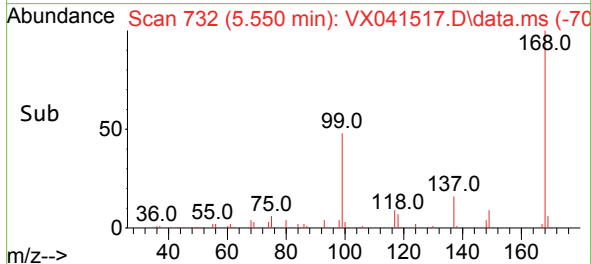
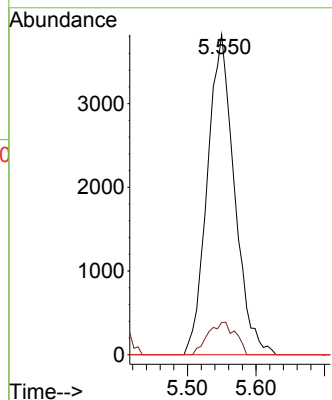
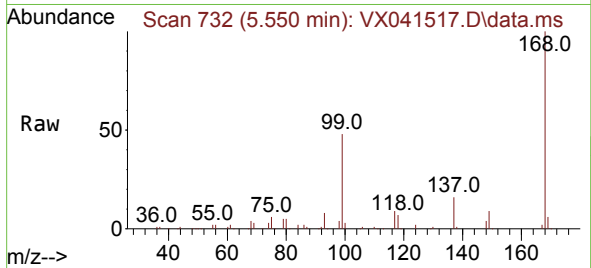




#36
1,1-Dichloropropene
Concen: 5.213 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

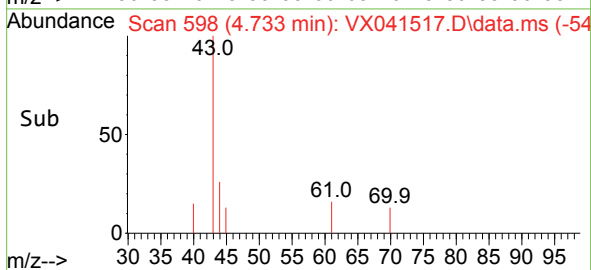
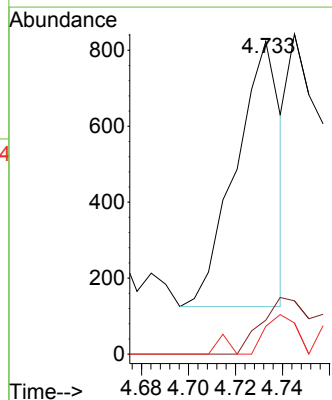
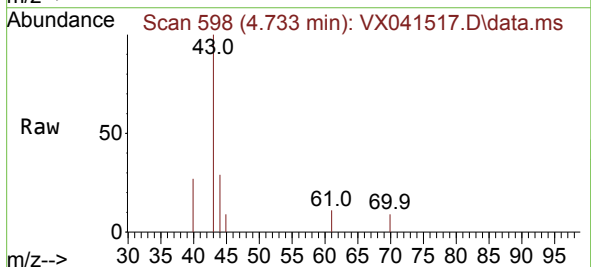
Instrument :
MSVOA_X
ClientSampleId :
MH-A

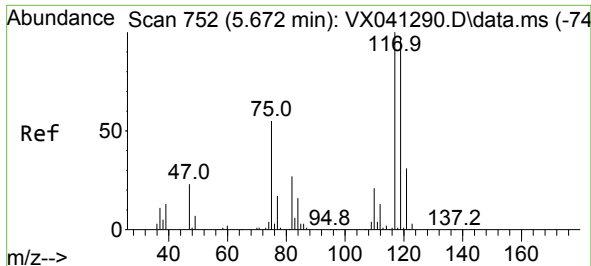
Tgt Ion: 75 Resp: 10493
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.368 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

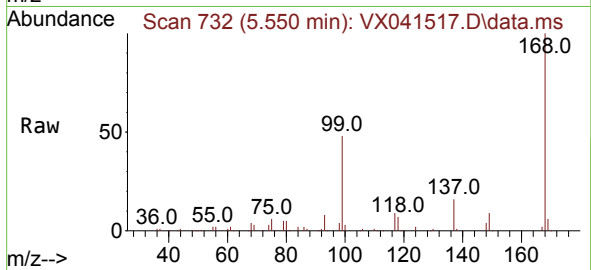
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
61 28.8 10.6 16.0#
70 10.3 8.3 12.5



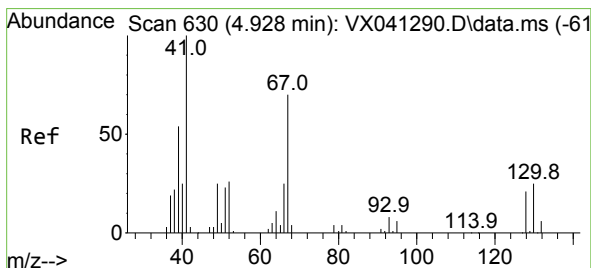
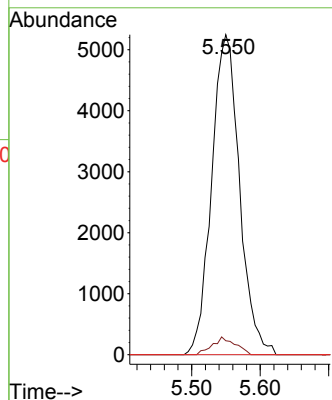
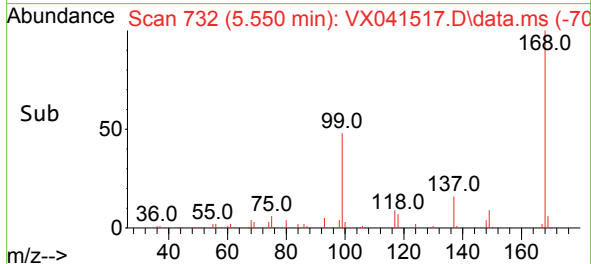


#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Instrument :
MSVOA_X
ClientSampleId :
MH-A

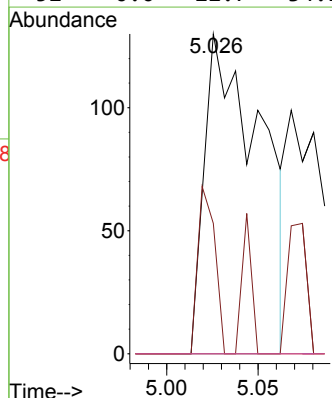
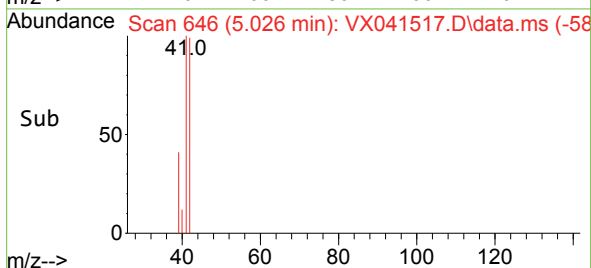
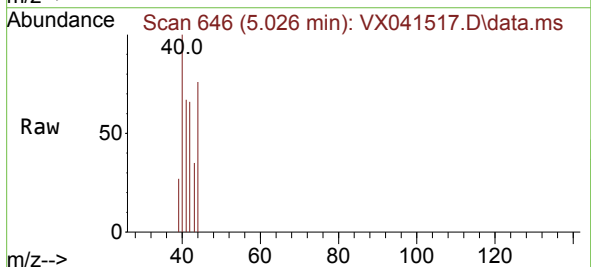


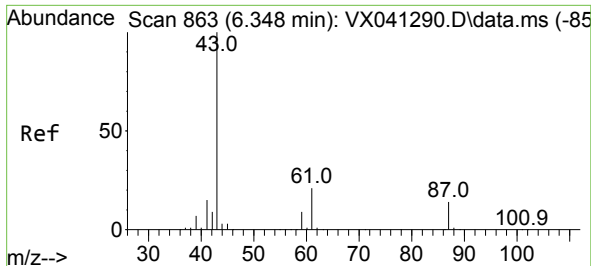
Tgt Ion:117 Resp: 14817
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 41 Resp: 277
Ion Ratio Lower Upper
41 100
39 15.9 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

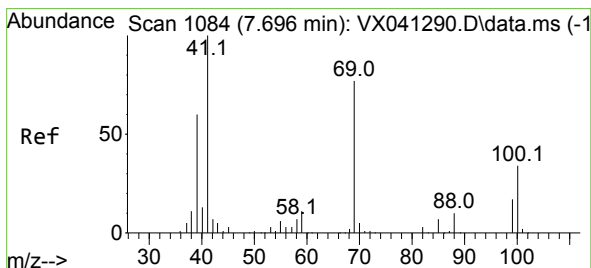
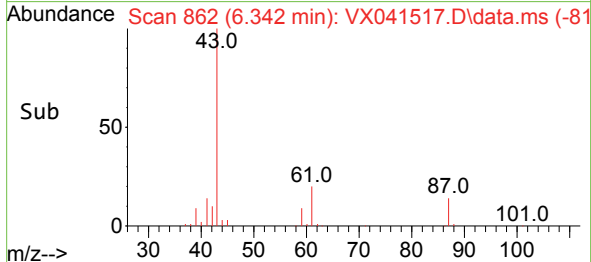
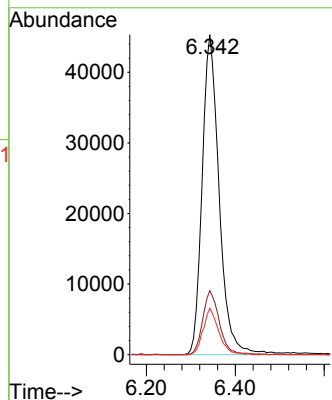
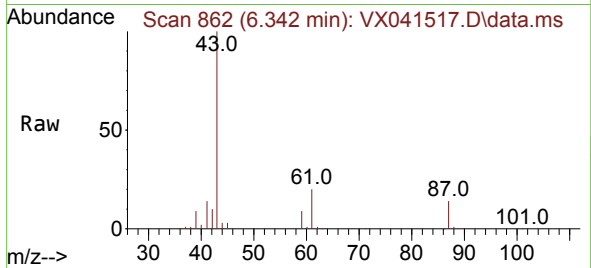




#43
Isopropyl Acetate
Concen: 31.963 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

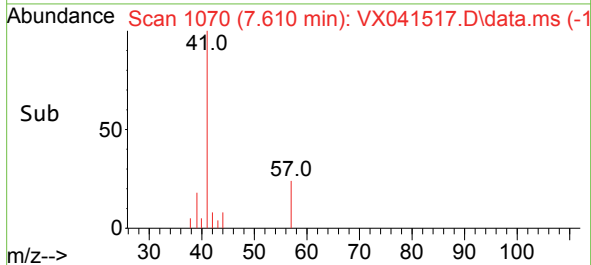
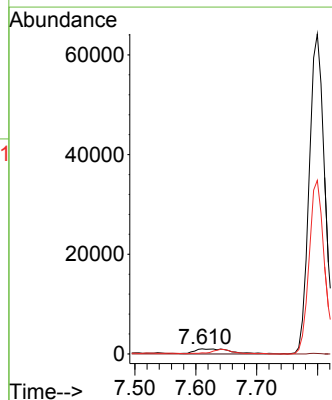
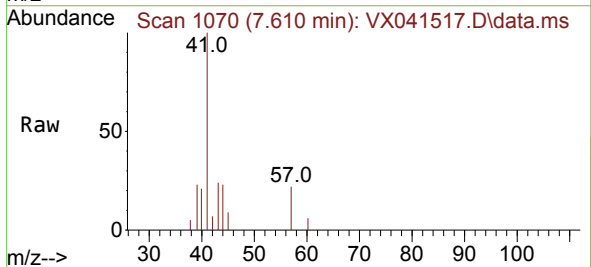
Instrument :
MSVOA_X
ClientSampleId :
MH-A

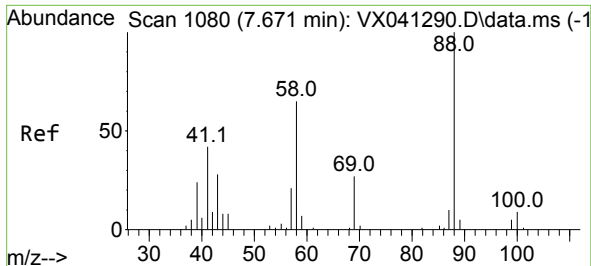
Tgt Ion: 43 Resp: 120695
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.2 9.8 14.6



#48
Methyl methacrylate
Concen: 2.533 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.085 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 41 Resp: 4385
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

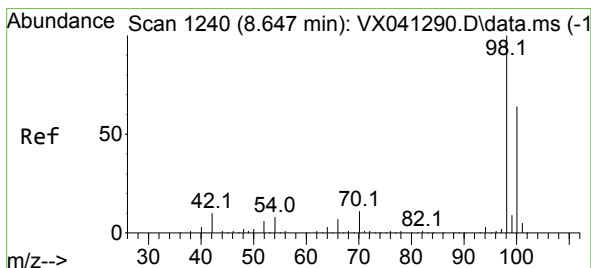
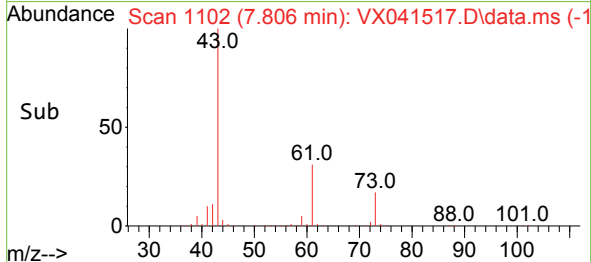
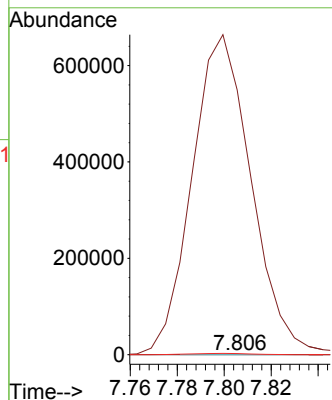
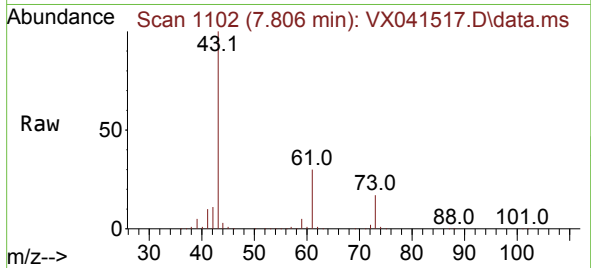




#49
1,4-Dioxane
Concen: 4.195 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.134 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

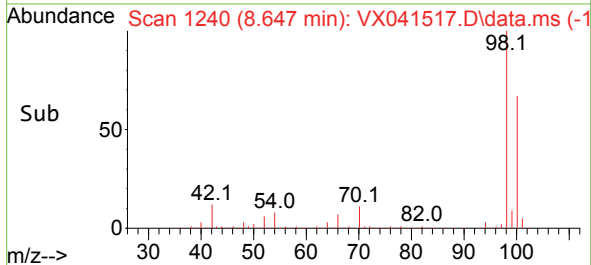
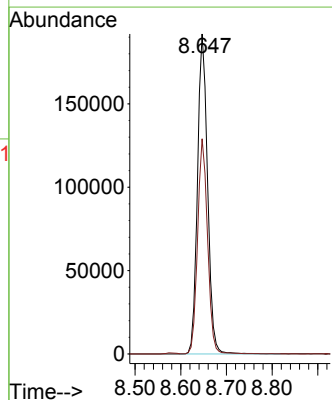
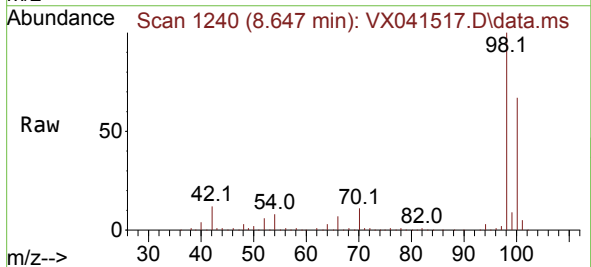
Instrument :
MSVOA_X
ClientSampleId :
MH-A

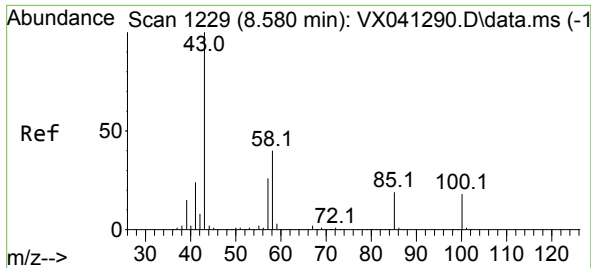
Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 751873.2 0.0 0.0#
58 3202.5 60.1 90.1#



#50
Toluene-d8
Concen: 55.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 98 Resp: 294088
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

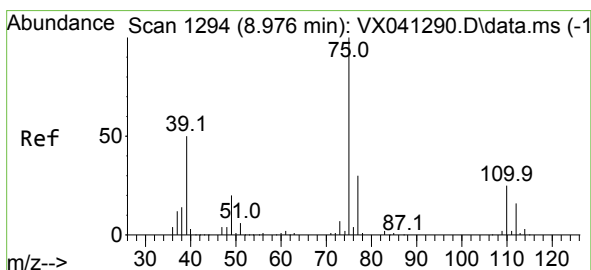
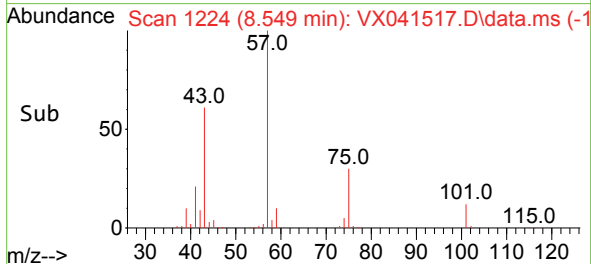
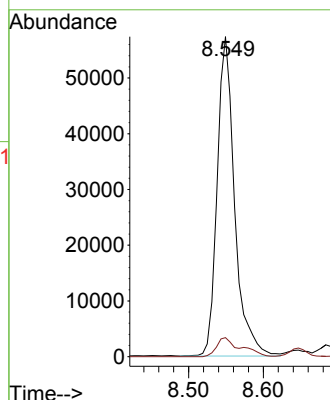
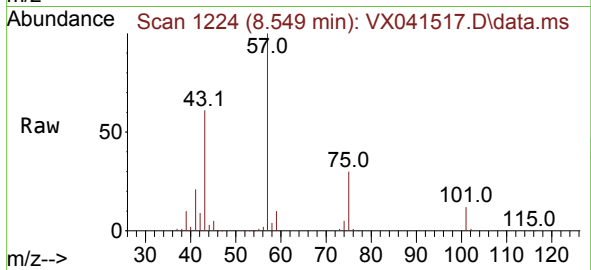




#51
4-Methyl-2-Pentanone
Concen: 41.181 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

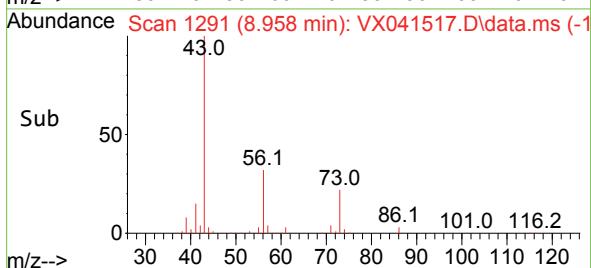
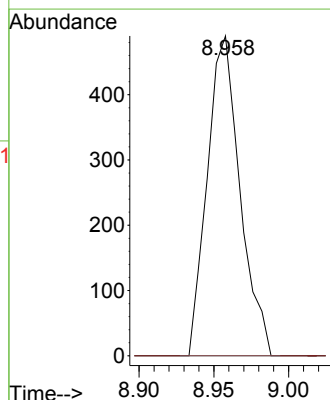
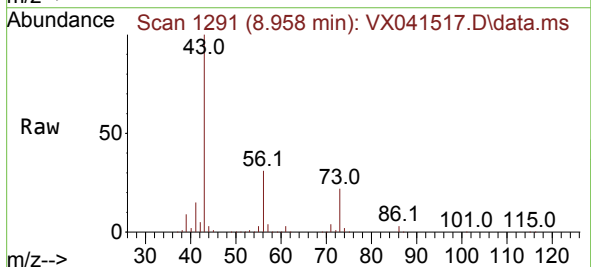
Instrument :
MSVOA_X
ClientSampleId :
MH-A

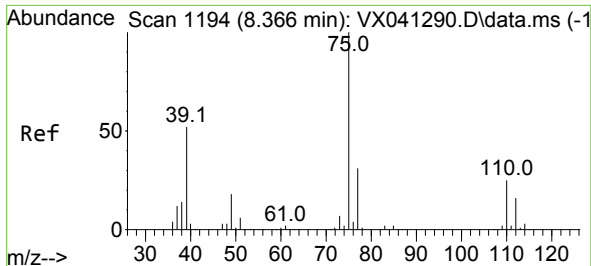
Tgt Ion: 43 Resp: 93311
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.752 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 75 Resp: 746
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

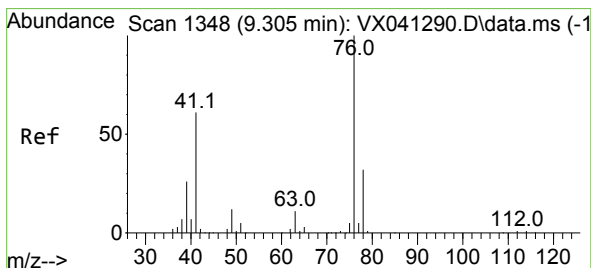
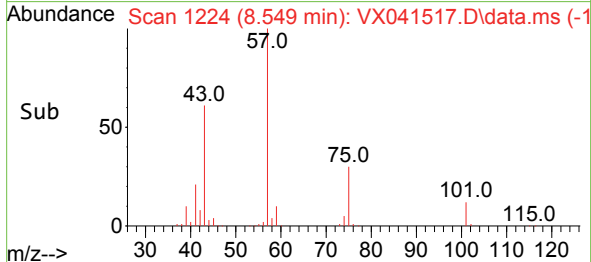
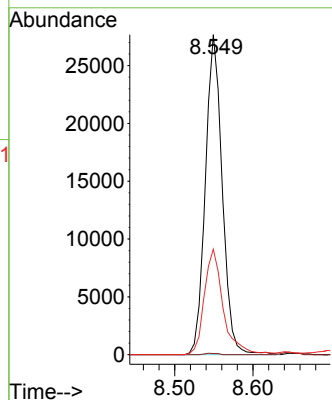
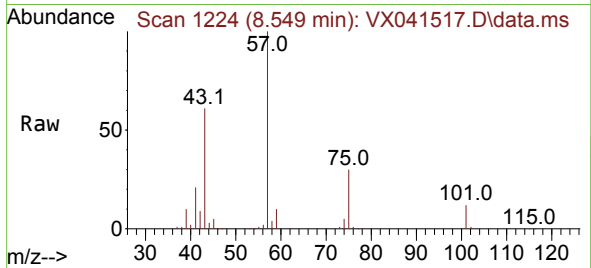




#54
cis-1,3-Dichloropropene
Concen: 19.100 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

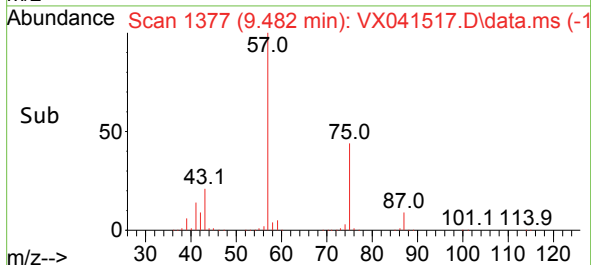
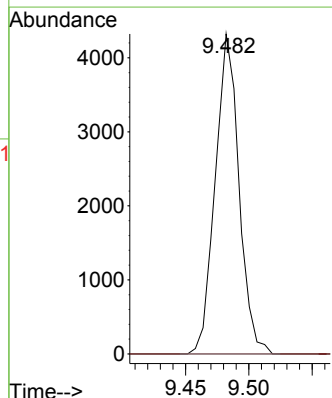
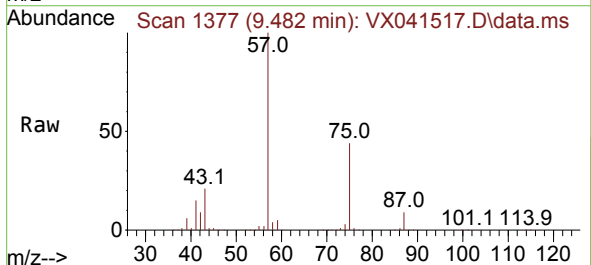
Instrument :
MSVOA_X
ClientSampleId :
MH-A

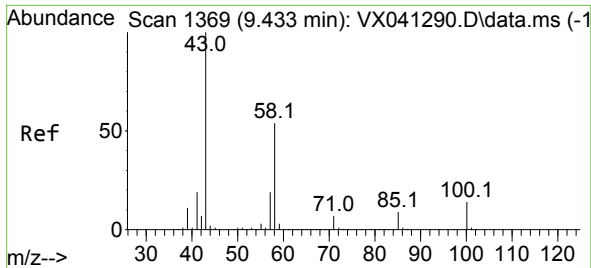
Tgt Ion: 75 Resp: 41297
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 33.0 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.308 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 76 Resp: 5631
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

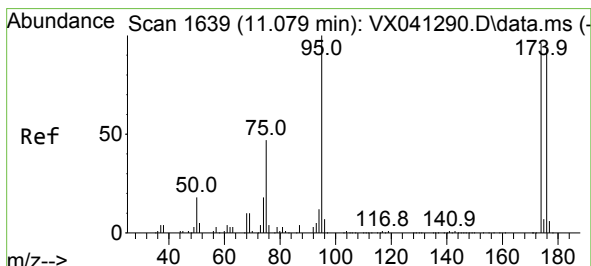
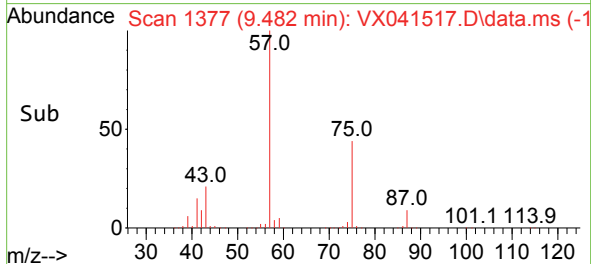
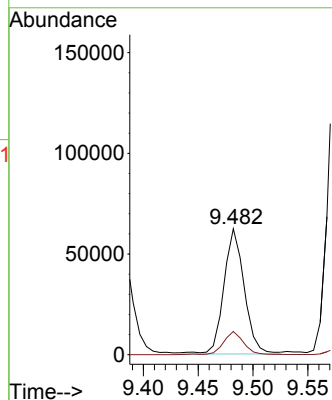
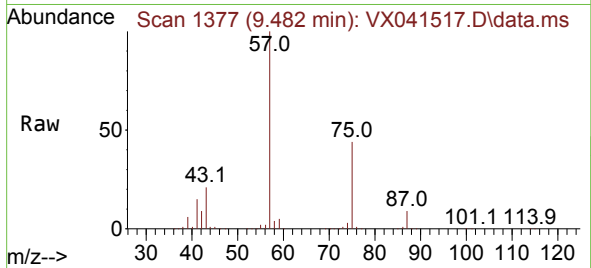




#59
2-Hexanone
Concen: 44.606 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

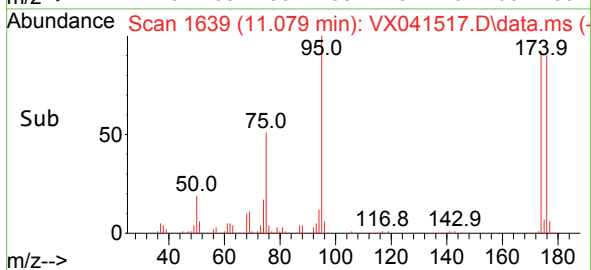
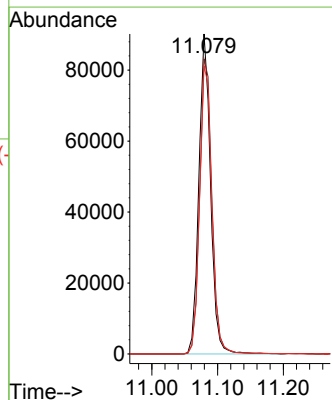
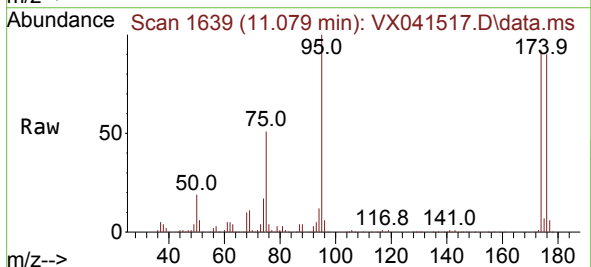
Instrument :
MSVOA_X
ClientSampleId :
MH-A

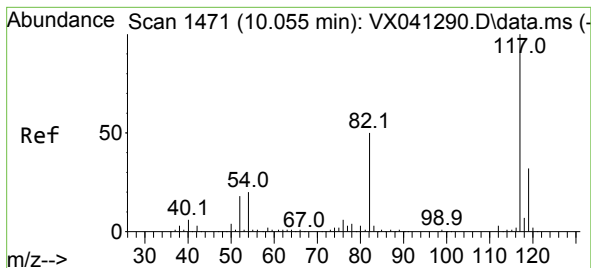
Tgt Ion: 43 Resp: 80820
Ion Ratio Lower Upper
43 100
58 18.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.072 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 95 Resp: 111520
Ion Ratio Lower Upper
95 100
174 96.9 0.0 135.6
176 94.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041517.D

Acq: 14 May 2024 14:02

Instrument :

MSVOA_X

ClientSampleId :

MH-A

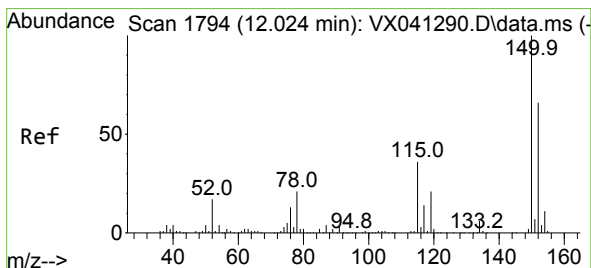
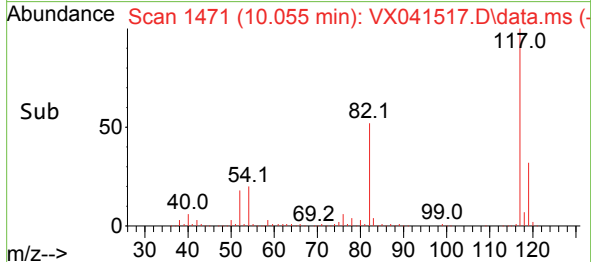
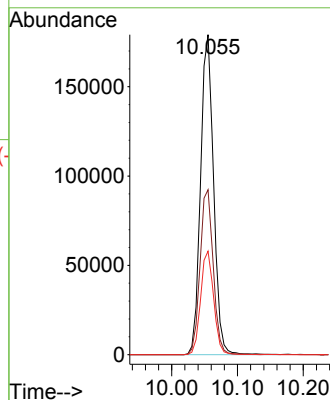
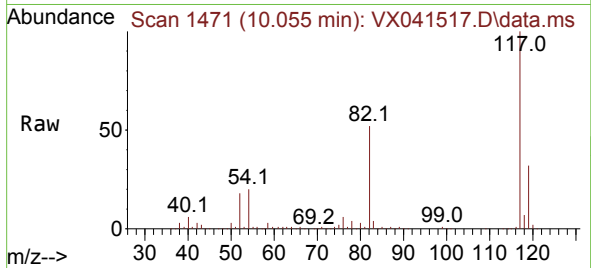
Tgt Ion:117 Resp: 246353

Ion Ratio Lower Upper

117 100

82 51.6 46.2 69.4

119 32.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX041517.D

Acq: 14 May 2024 14:02

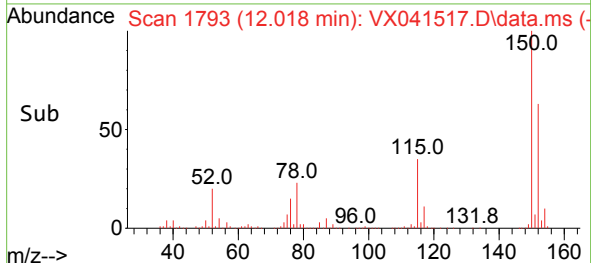
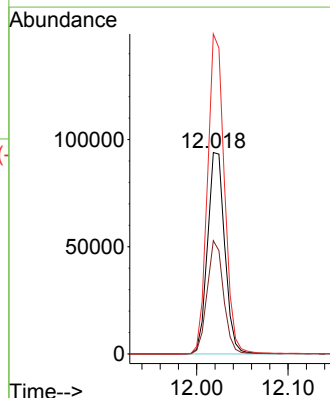
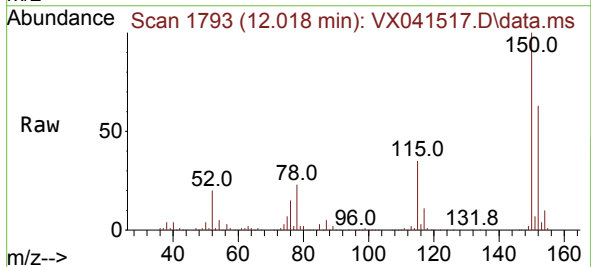
Tgt Ion:152 Resp: 122856

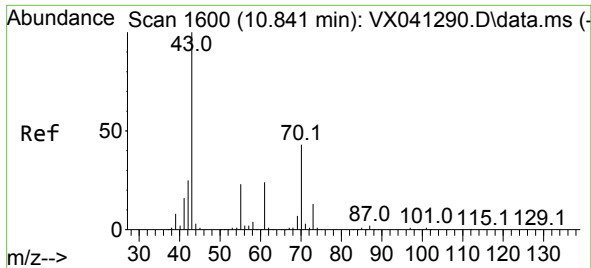
Ion Ratio Lower Upper

152 100

115 53.8 43.3 129.9

150 156.6 0.0 345.0

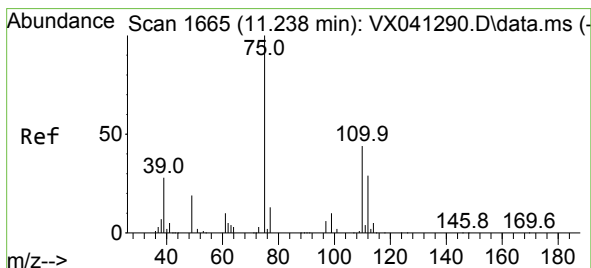
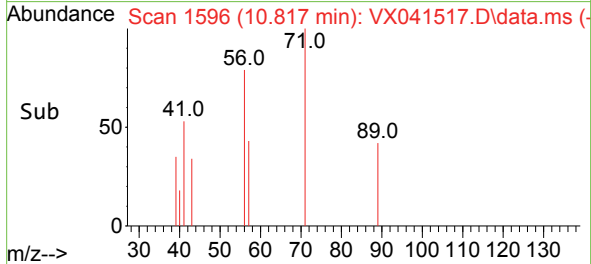
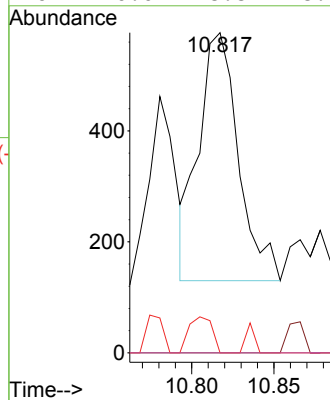
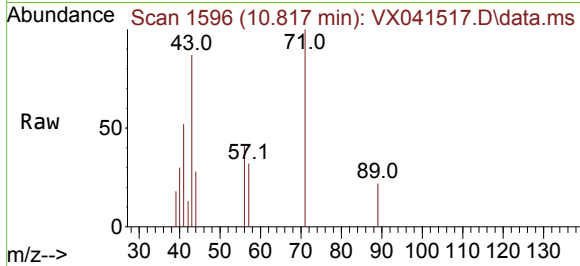




#74
N-amy1 acetate
Concen: 0.230 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

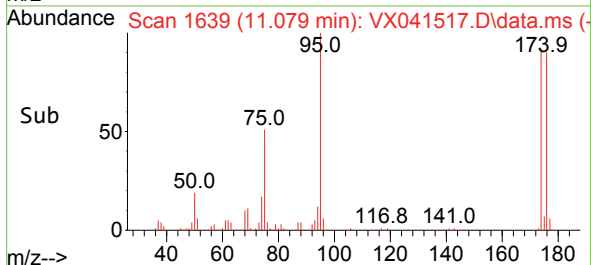
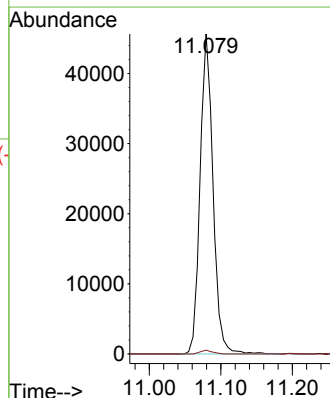
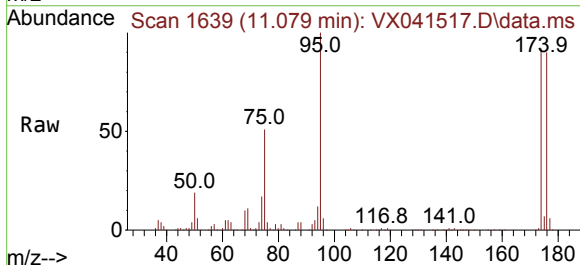
Instrument :
MSVOA_X
ClientSampleId :
MH-A

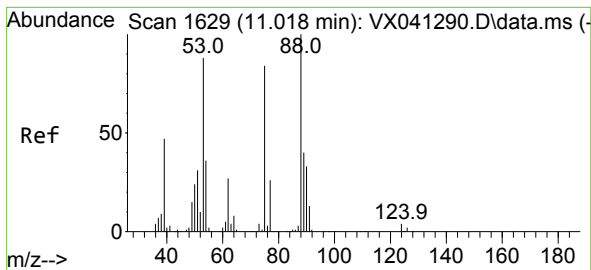
Tgt Ion: 43	Resp: 752
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 8.5	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041517.D
Acq: 14 May 2024 14:02

Tgt Ion: 75	Resp: 57151
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.752 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041517.D
 Acq: 14 May 2024 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-A

Tgt Ion: 75 Resp: 57151
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

