

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040759.D
 Acq On : 21 Mar 2024 21:35
 Operator : JC/MD
 Sample : PB159677ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 03:02:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	41663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	74160	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	72324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35095	50.097	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.200%	
35) Dibromofluoromethane	5.385	113	25188	45.391	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.780%	
50) Toluene-d8	8.647	98	88444	46.548	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.100%	
62) 4-Bromofluorobenzene	11.079	95	35934	47.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.740%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	109	0.297	ug/l #	43
11) Tert butyl alcohol	2.953	59	828	7.381	ug/l #	78
16) Acetone	2.380	43	26581	107.123	ug/l	97
18) Methyl Acetate	2.697	43	496	0.746	ug/l	93
20) Methylene Chloride	2.794	84	2360	4.351	ug/l	97
25) 2-Butanone	4.556	43	2992	7.698	ug/l	99
29) Tetrahydrofuran	5.019	42	59	0.228	ug/l #	34
31) Cyclohexane	5.556	56	1140	1.370	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	3741	4.579	ug/l #	49
37) Ethyl Acetate	4.715	43	1227	1.323	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4631	5.036	ug/l #	11
43) Isopropyl Acetate	6.336	43	39249	26.940	ug/l	97
48) Methyl methacrylate	7.793	41	32417	48.683	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	28774	31.847	ug/l #	51
52) Toluene	8.726	92	433	0.322	ug/l	79
54) cis-1,3-Dichloropropene	8.549	75	11203	12.224	ug/l #	65
56) Ethyl methacrylate	9.238	69	196	0.214	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	1304	1.395	ug/l #	42
59) 2-Hexanone	9.482	43	19627	28.042	ug/l #	53
74) N-amyl acetate	10.817	43	333	0.244	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	21875	27.867	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	21875	70.498	ug/l #	5

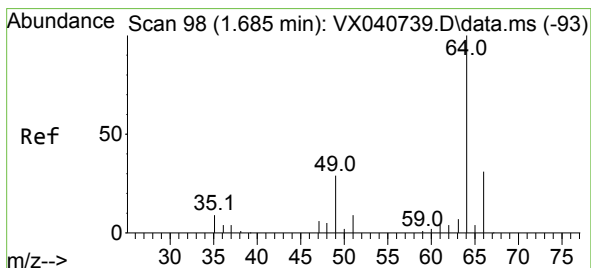
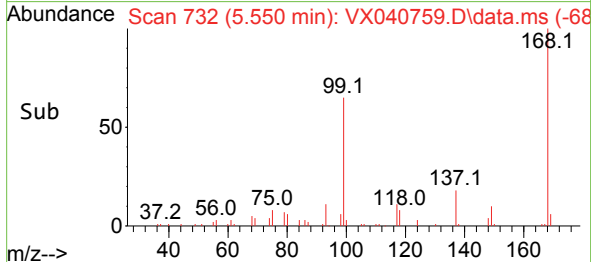
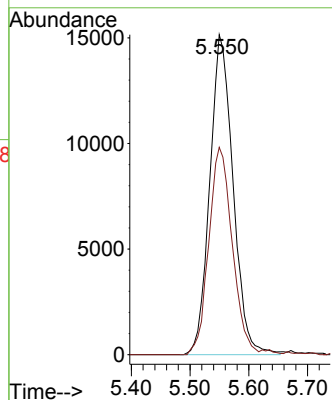
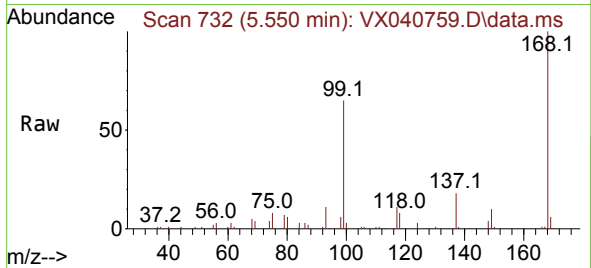
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

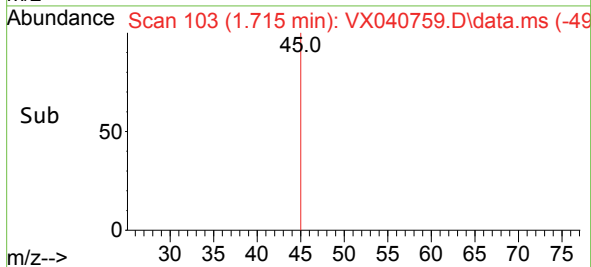
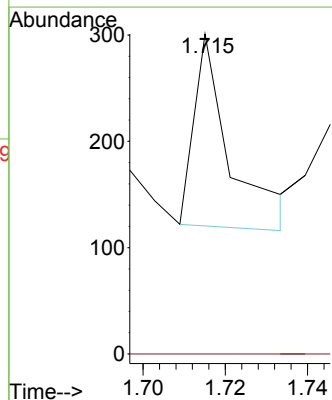
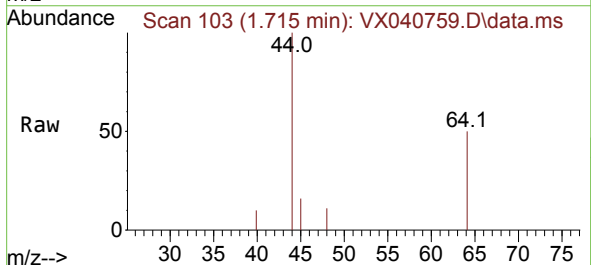
Instrument :
MSVOA_X
ClientSampleId :

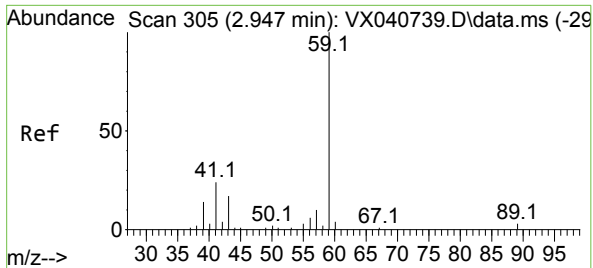
Tgt Ion:168 Resp: 41663
Ion Ratio Lower Upper
168 100
99 64.8 56.6 85.0



#6
Chloroethane
Concen: 0.297 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.030 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

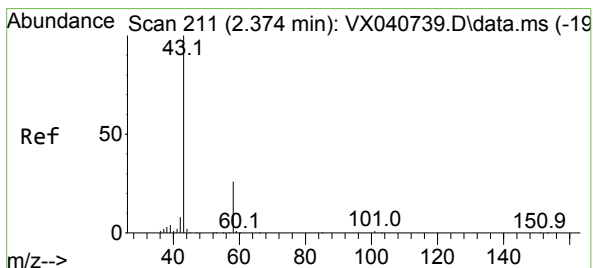
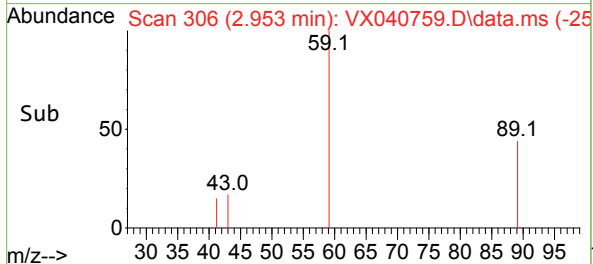
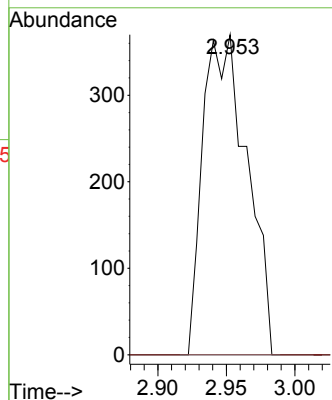
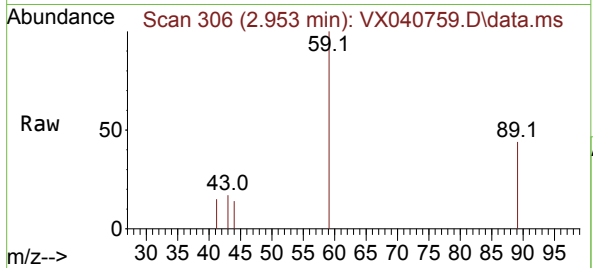




#11
Tert butyl alcohol
Concen: 7.381 ug/l
RT: 2.953 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

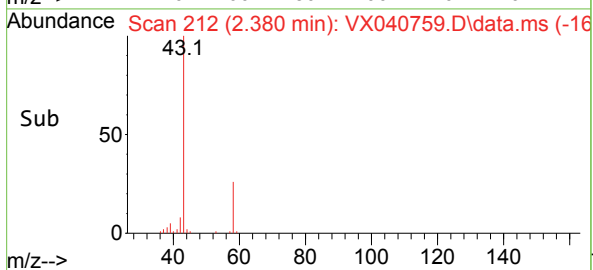
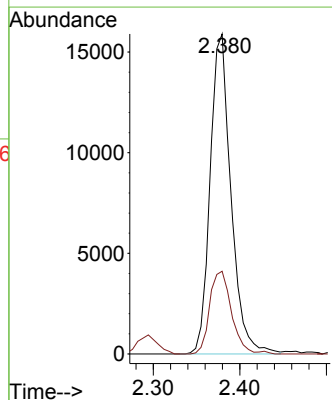
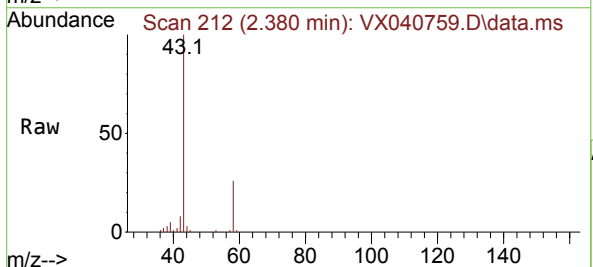
Instrument :
MSVOA_X
ClientSampleId :

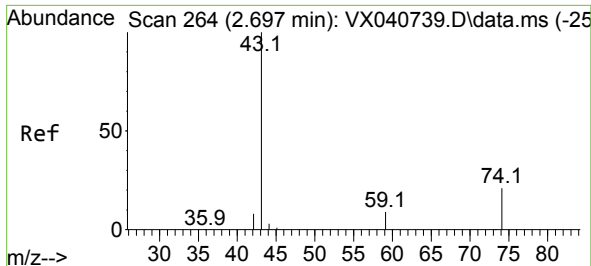
Tgt Ion: 59 Resp: 828
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 107.123 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

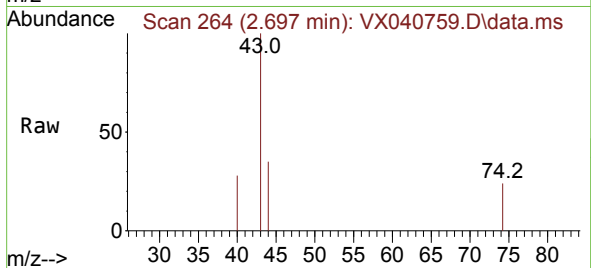
Tgt Ion: 43 Resp: 26581
Ion Ratio Lower Upper
43 100
58 25.8 21.9 32.9



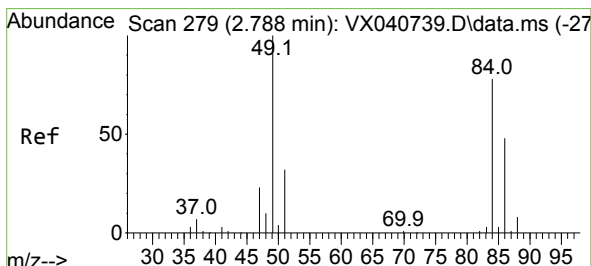
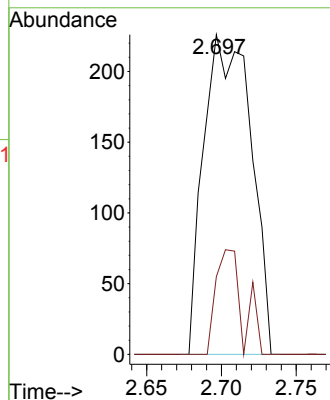
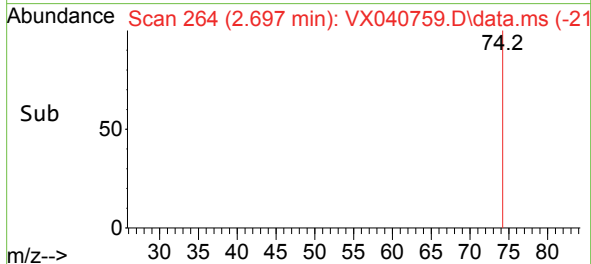


#18
Methyl Acetate
Concen: 0.746 ug/l
RT: 2.697 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

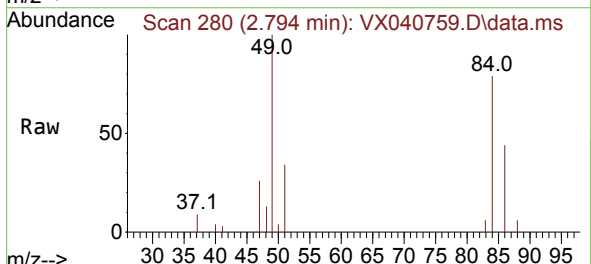
Instrument :
MSVOA_X
ClientSampleId :



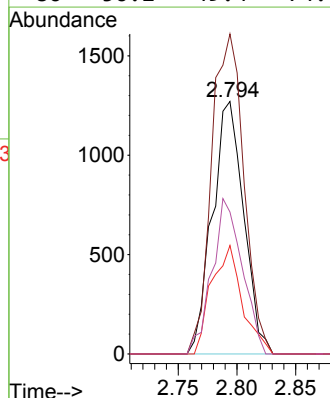
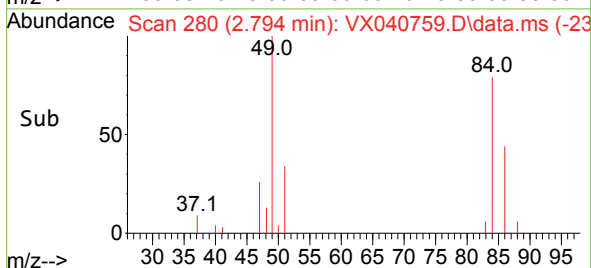
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
74 18.8 17.8 26.8

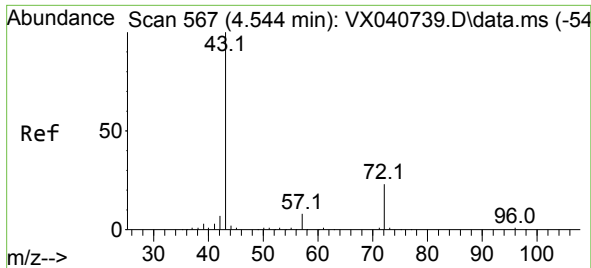


#20
Methylene Chloride
Concen: 4.351 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35



Tgt Ion: 84 Resp: 2360
Ion Ratio Lower Upper
84 100
49 126.8 103.6 155.4
51 43.0 33.8 50.6
86 56.2 49.4 74.0

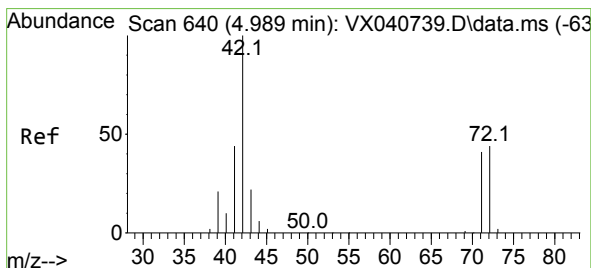
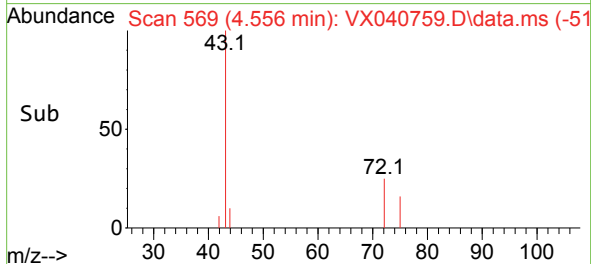
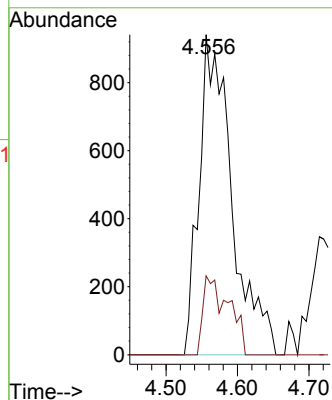
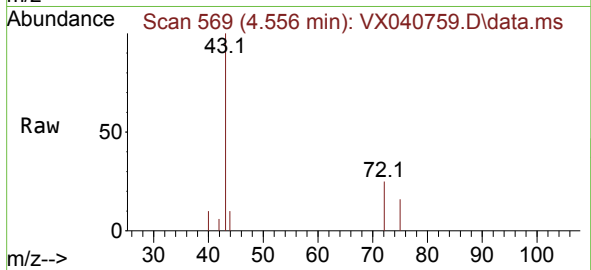




#25
2-Butanone
Concen: 7.698 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

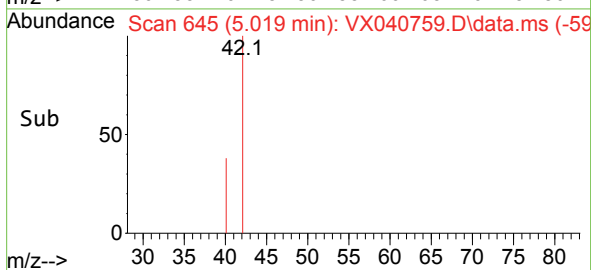
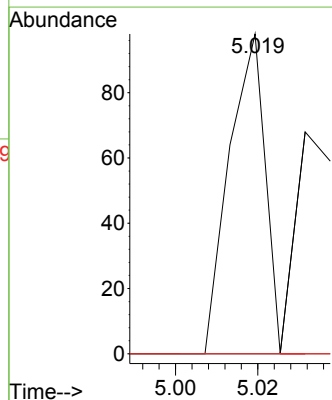
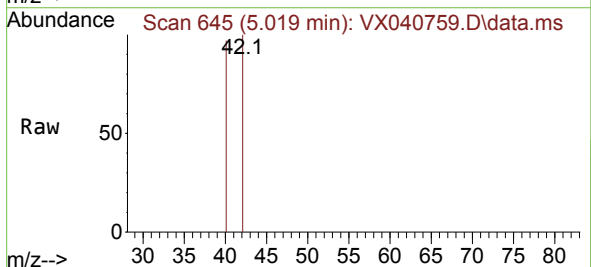
Instrument :
MSVOA_X
ClientSampleId :

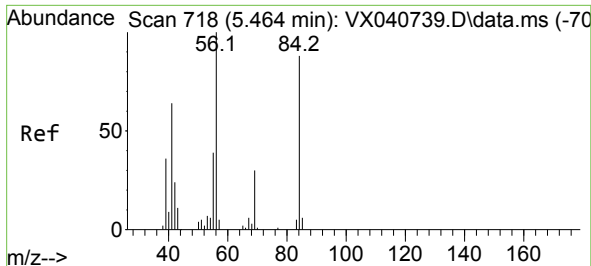
Tgt Ion: 43 Resp: 2992
Ion Ratio Lower Upper
43 100
72 24.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.030 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

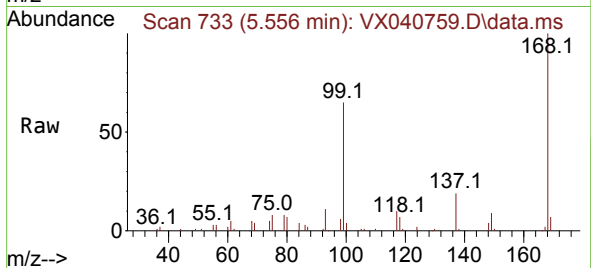
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



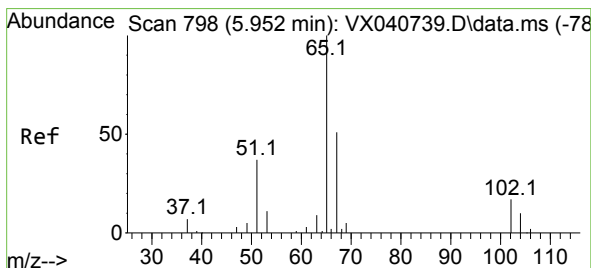
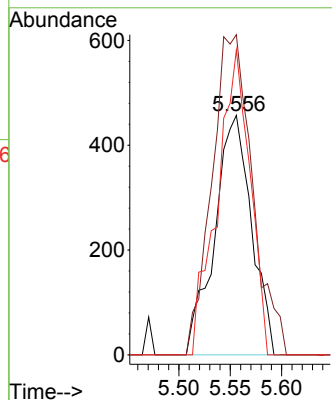
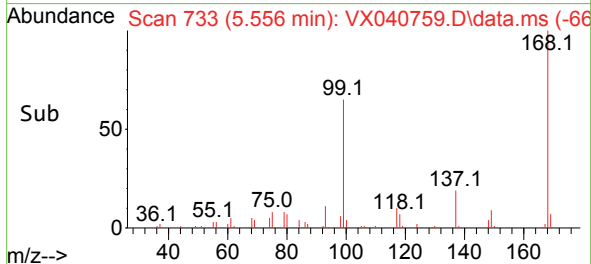


#31
Cyclohexane
Concen: 1.370 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Instrument :
MSVOA_X
ClientSampleId :

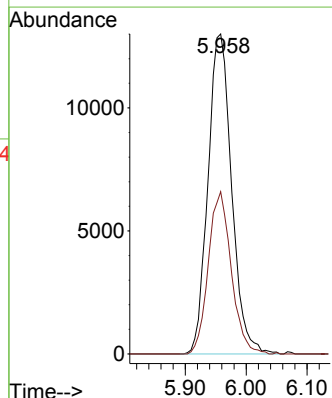
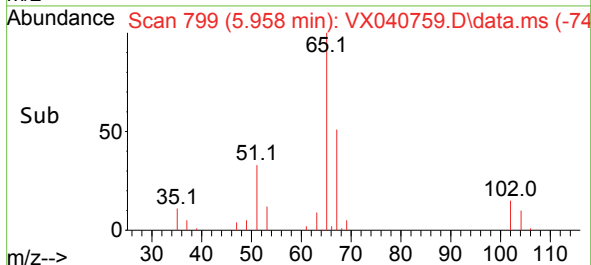
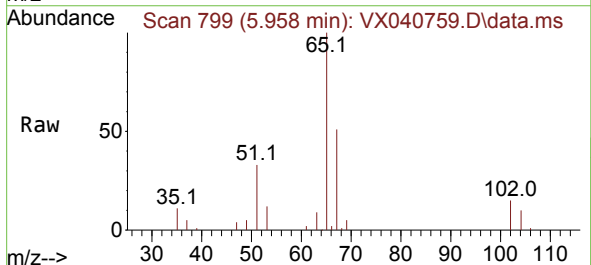


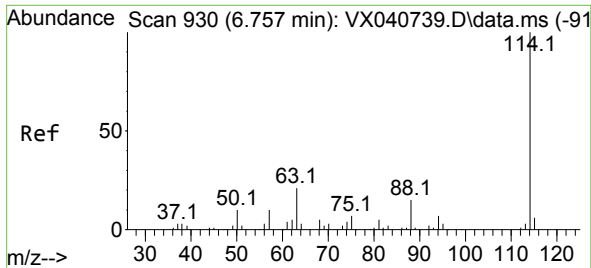
Tgt Ion: 56 Resp: 1140
Ion Ratio Lower Upper
56 100
69 133.7 23.4 35.2#
84 127.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.097 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion: 65 Resp: 35095
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2

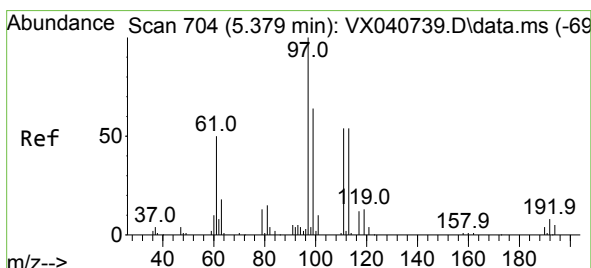
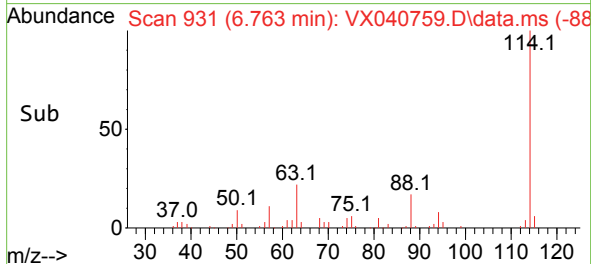
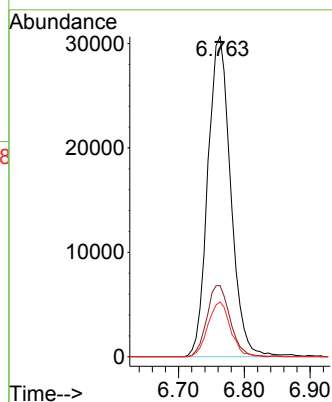
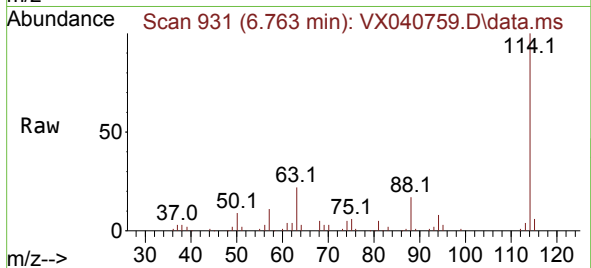




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

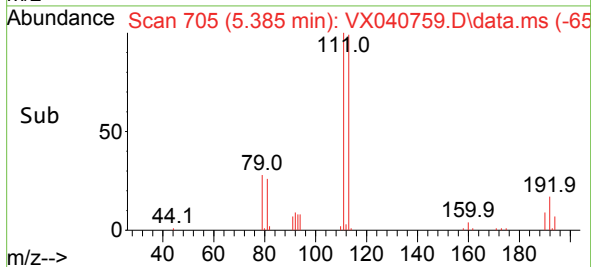
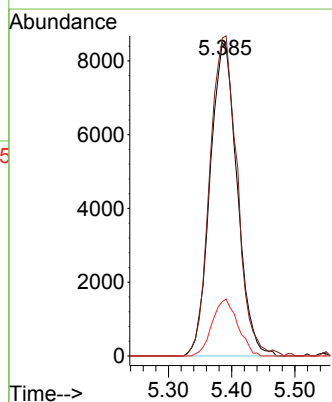
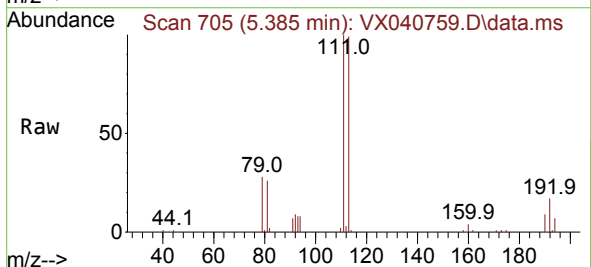
Instrument :
MSVOA_X
ClientSampleId :

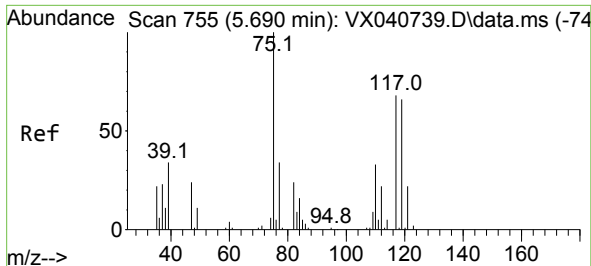
Tgt Ion:114 Resp: 74160
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 17.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.391 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion:113 Resp: 25188
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 17.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

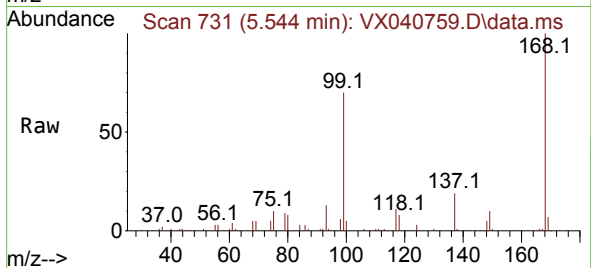
Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

Instrument :

MSVOA_X

ClientSampleId :



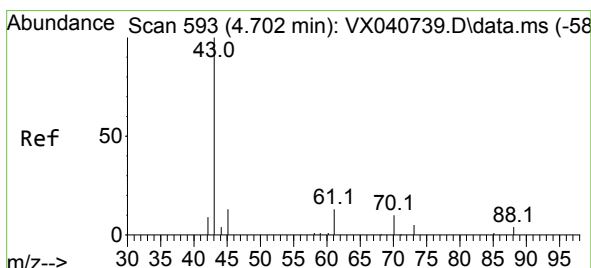
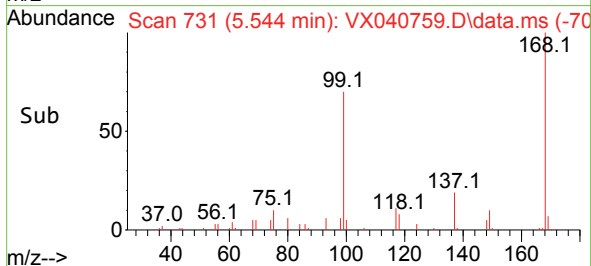
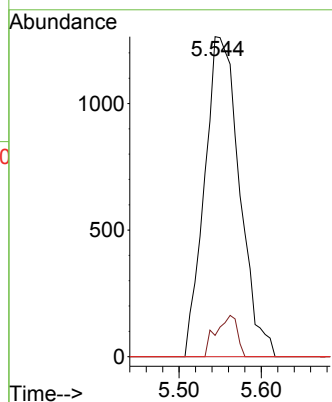
Tgt Ion: 75 Resp: 3741

Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.323 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

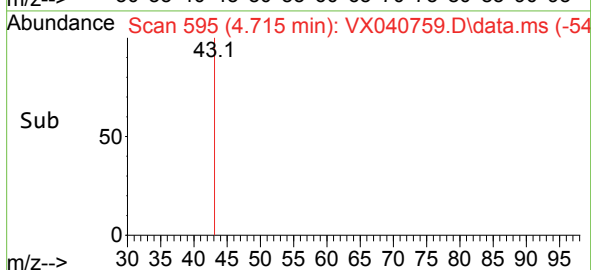
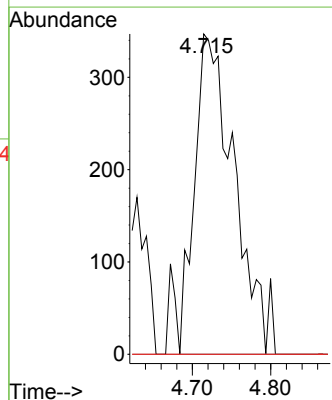
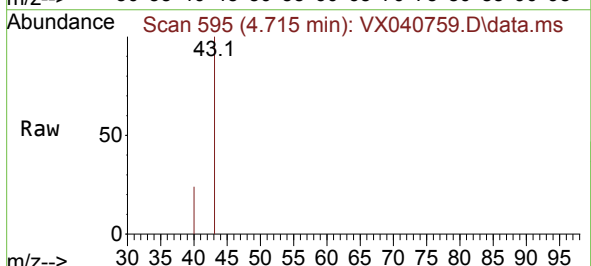
Tgt Ion: 43 Resp: 1227

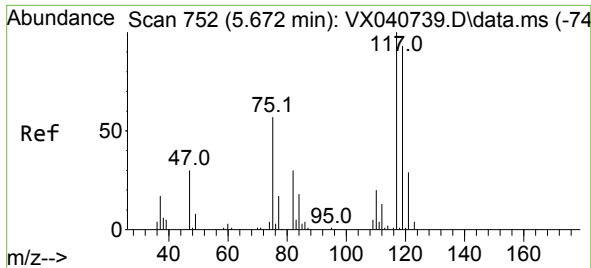
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

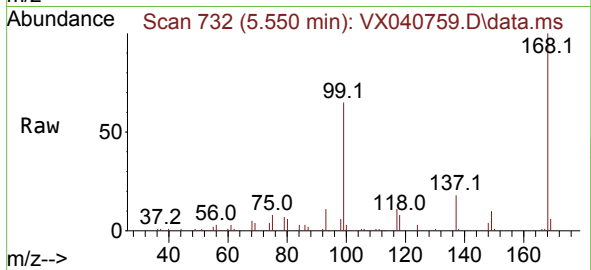
70 0.0 8.3 12.5#



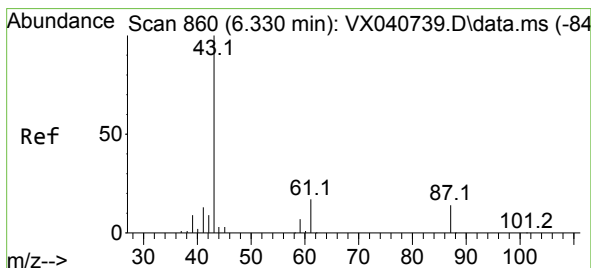
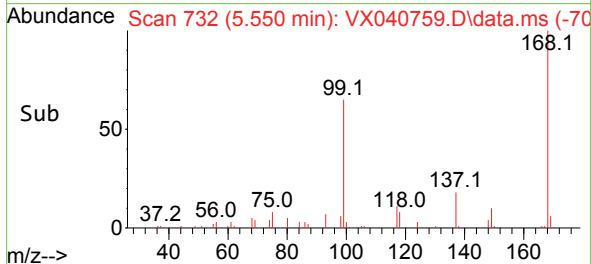
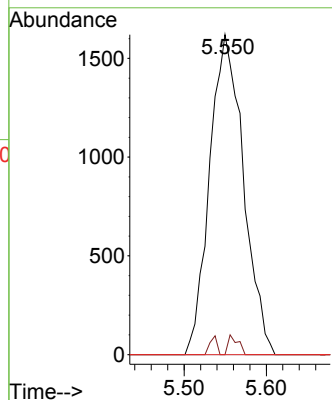


#38
Carbon Tetrachloride
Concen: 5.036 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Instrument :
MSVOA_X
ClientSampleId :

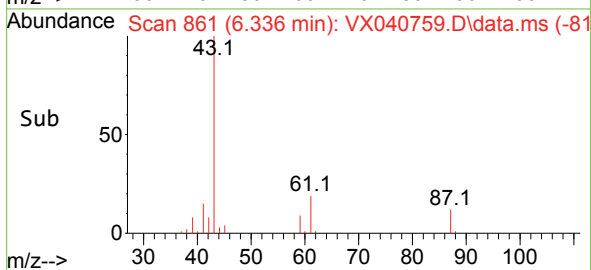
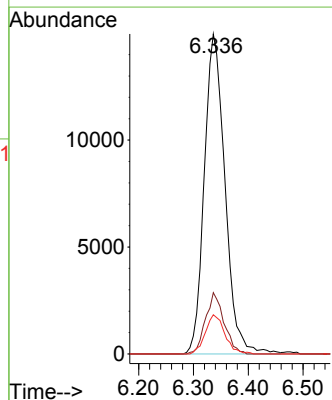
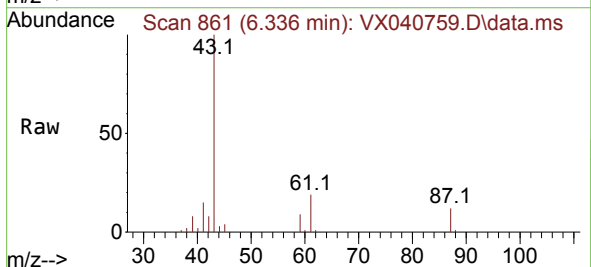


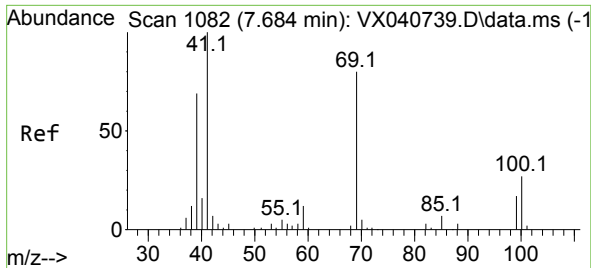
Tgt Ion:117 Resp: 4631
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.940 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion: 43 Resp: 39249
Ion Ratio Lower Upper
43 100
61 17.1 15.2 22.8
87 11.5 9.8 14.6

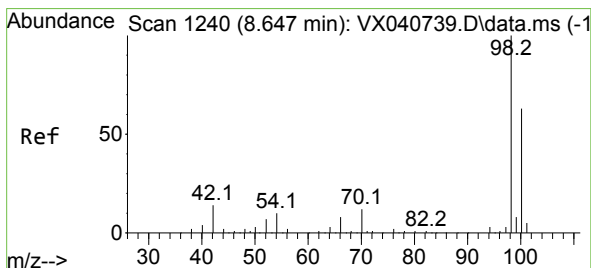
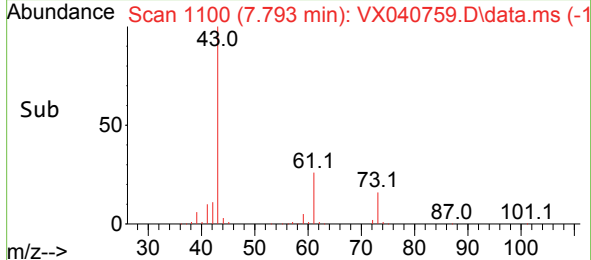
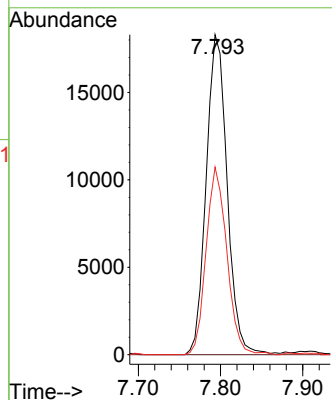
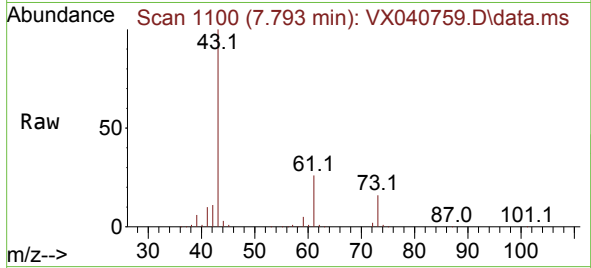




#48
Methyl methacrylate
Concen: 48.683 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

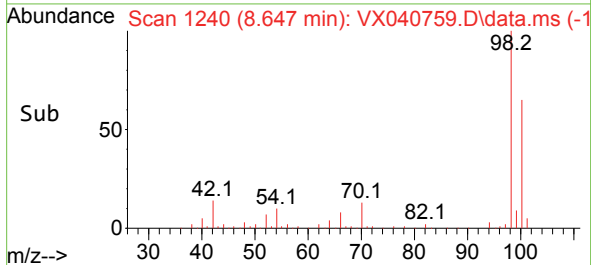
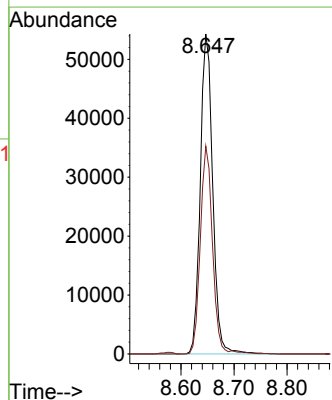
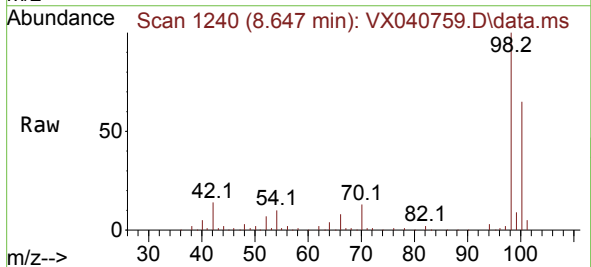
Instrument :
MSVOA_X
ClientSampleId :

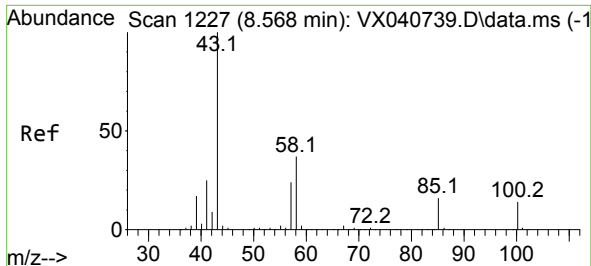
Tgt Ion: 41 Resp: 32417
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 58.2 47.7 71.5



#50
Toluene-d8
Concen: 46.548 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion: 98 Resp: 88444
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 31.847 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

Instrument :

MSVOA_X

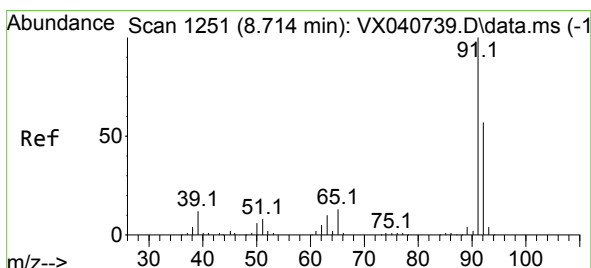
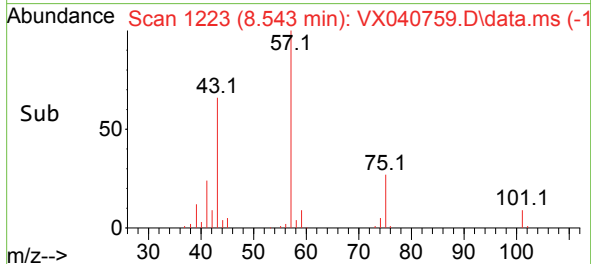
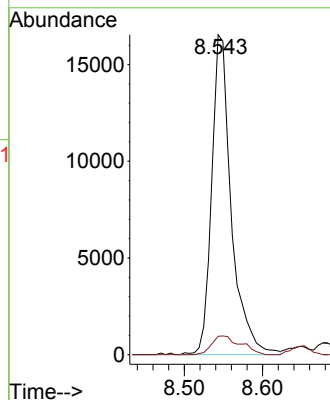
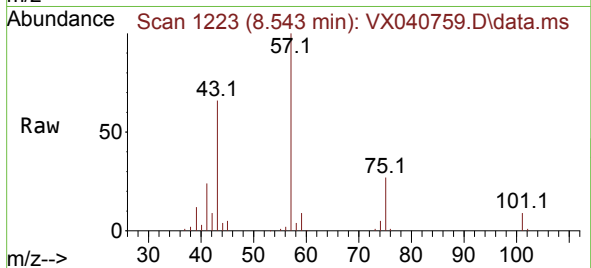
ClientSampleId :

Tgt Ion: 43 Resp: 28774

Ion Ratio Lower Upper

43 100

58 8.7 30.4 45.6#



#52

Toluene

Concen: 0.322 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX040759.D

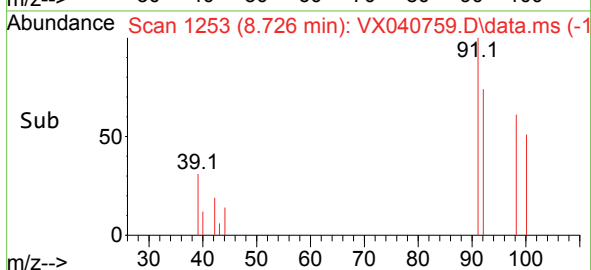
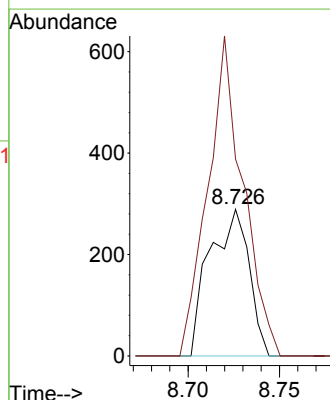
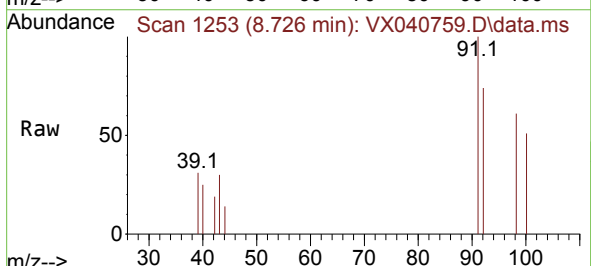
Acq: 21 Mar 2024 21:35

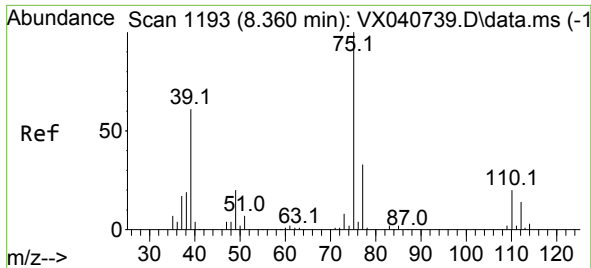
Tgt Ion: 92 Resp: 433

Ion Ratio Lower Upper

92 100

91 195.8 134.2 201.2

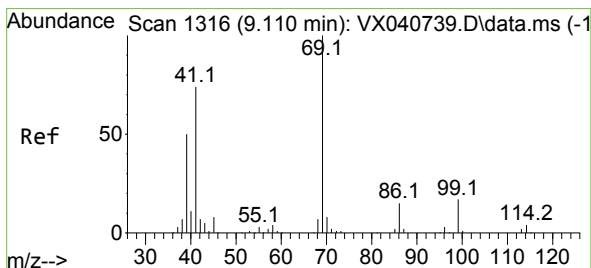
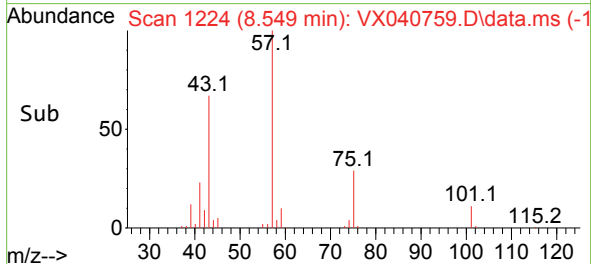
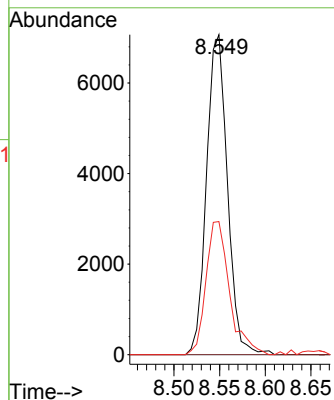
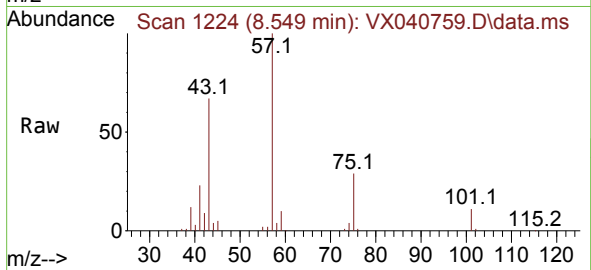




#54
 cis-1,3-Dichloropropene
 Concen: 12.224 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040759.D
 Acq: 21 Mar 2024 21:35

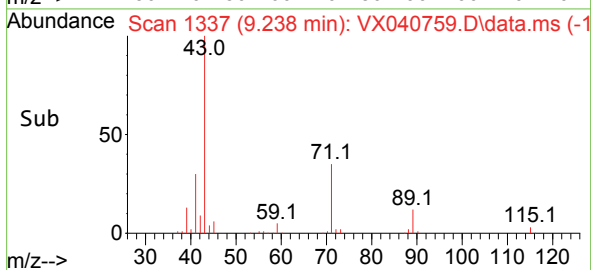
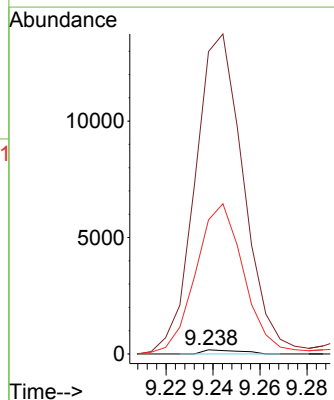
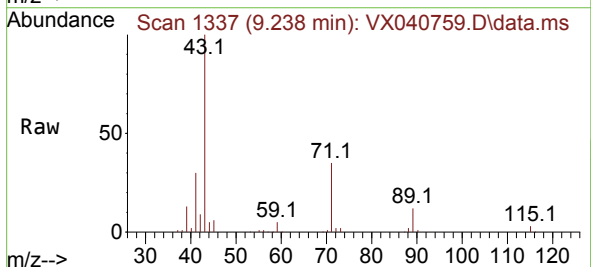
Instrument :
 MSVOA_X
 ClientSampleId :

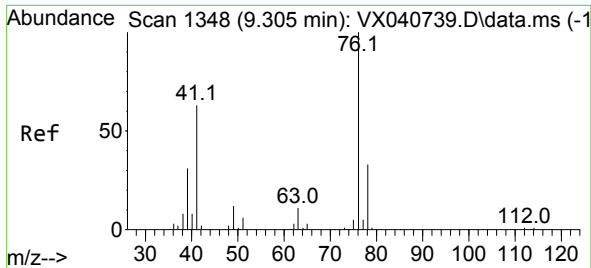
Tgt Ion: 75 Resp: 11203
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.6 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.214 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.128 min
 Lab File: VX040759.D
 Acq: 21 Mar 2024 21:35

Tgt Ion: 69 Resp: 196
 Ion Ratio Lower Upper
 69 100
 41 10120.9 56.8 85.2#
 39 4716.3 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.395 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

Instrument :

MSVOA_X

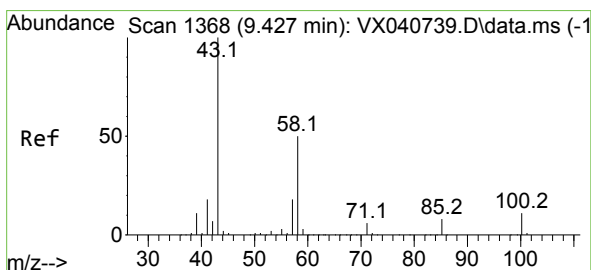
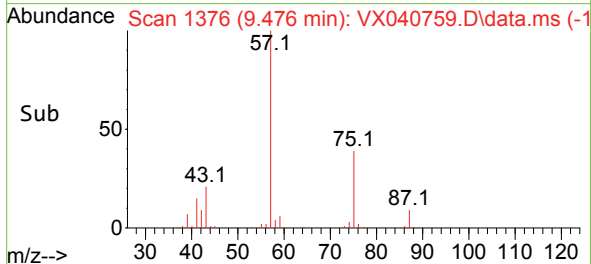
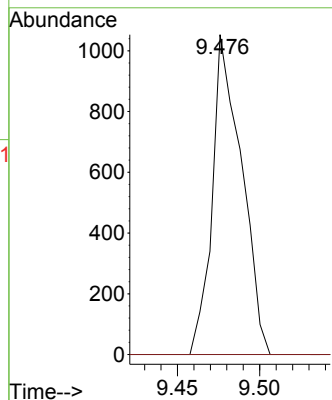
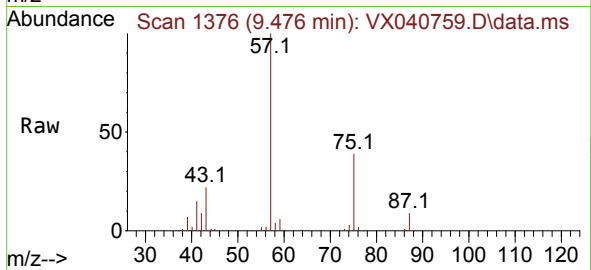
ClientSampleId :

Tgt Ion: 76 Resp: 1304

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.042 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040759.D

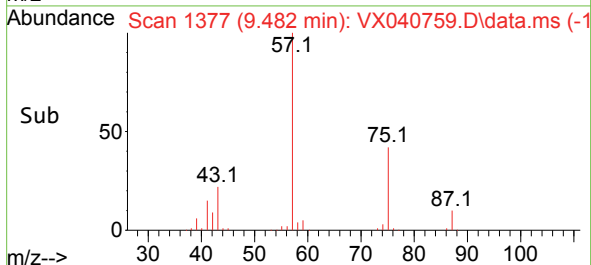
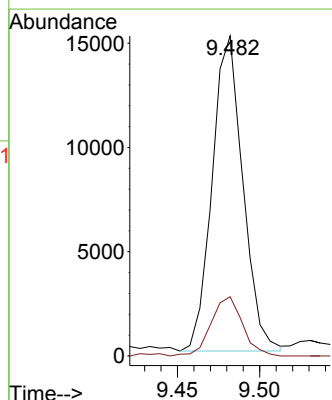
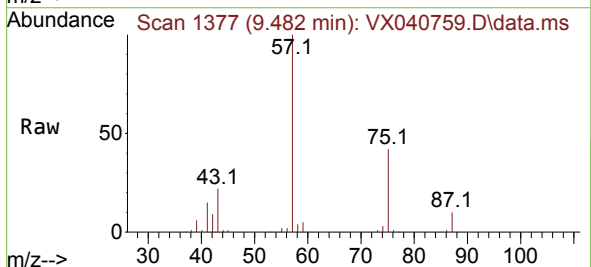
Acq: 21 Mar 2024 21:35

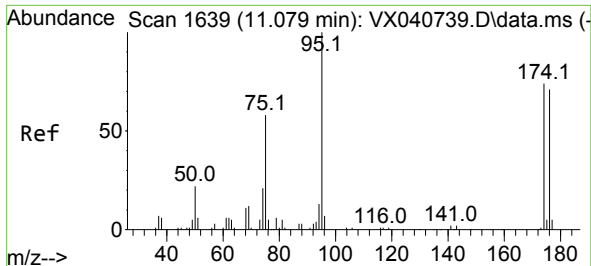
Tgt Ion: 43 Resp: 19627

Ion Ratio Lower Upper

43 100

58 19.2 26.2 78.5#

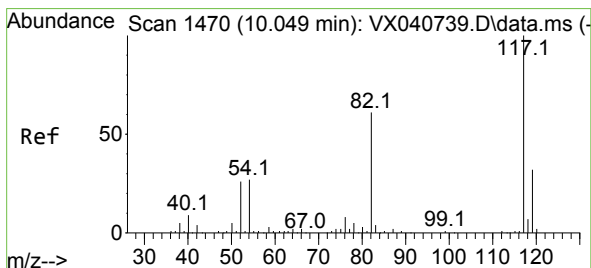
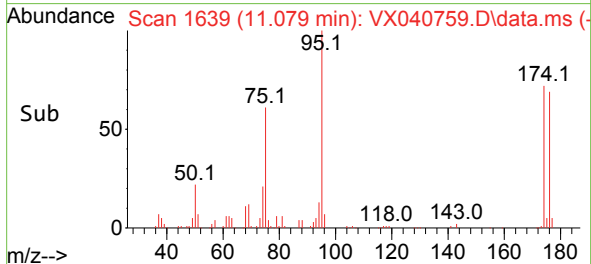
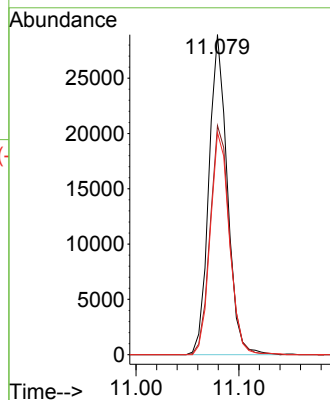
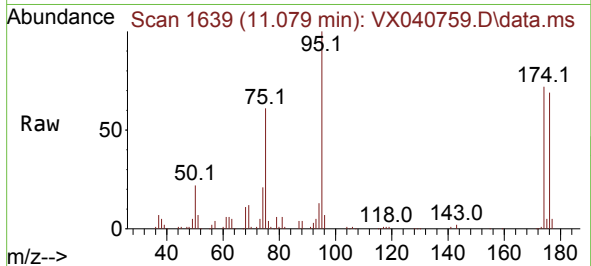




#62
4-Bromofluorobenzene
Concen: 47.868 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

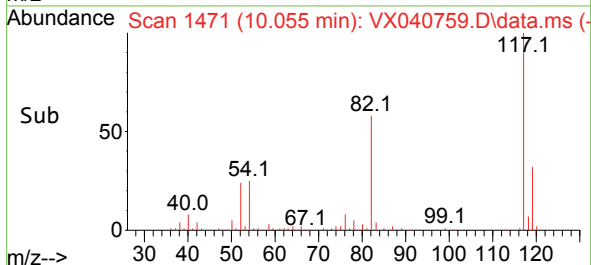
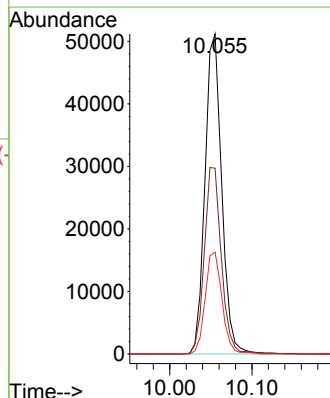
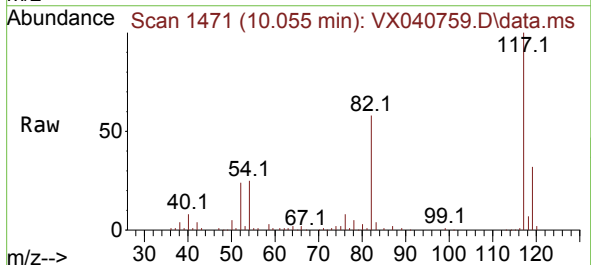
Instrument :
MSVOA_X
ClientSampleId :

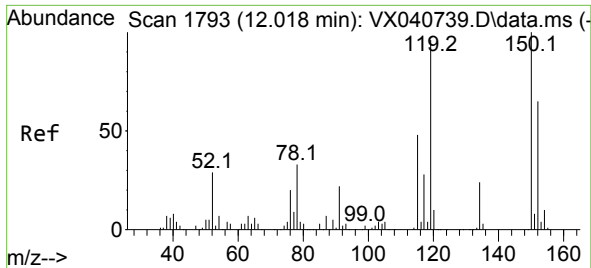
Tgt Ion: 95 Resp: 35934
Ion Ratio Lower Upper
95 100
174 75.4 0.0 135.6
176 72.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040759.D
Acq: 21 Mar 2024 21:35

Tgt Ion: 117 Resp: 72324
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 31.8 25.5 38.3

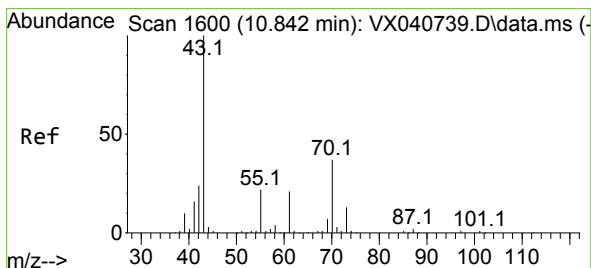
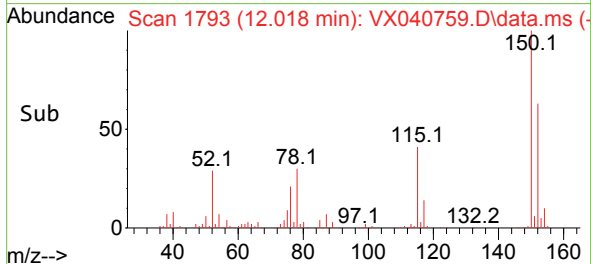
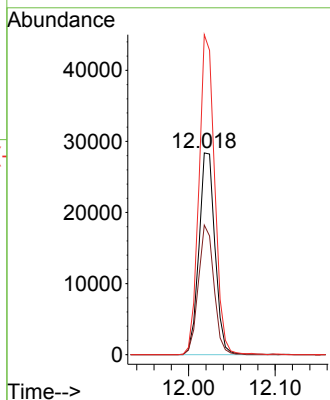
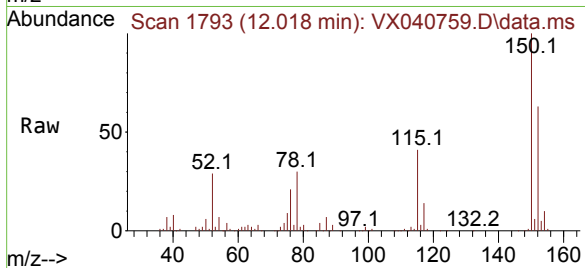




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040759.D
 Acq: 21 Mar 2024 21:35

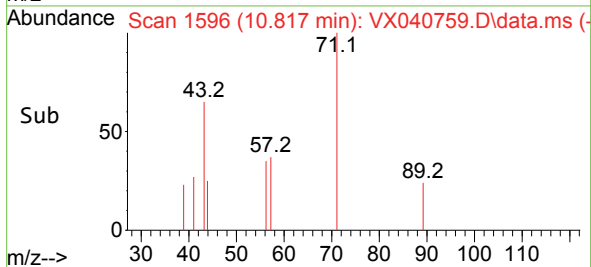
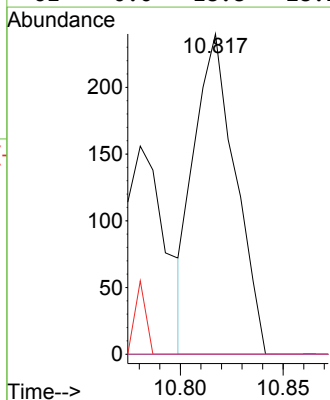
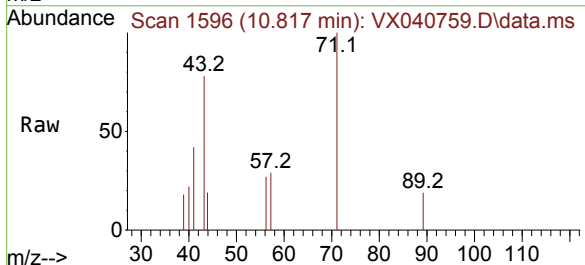
Instrument :
 MSVOA_X
 ClientSampleId :

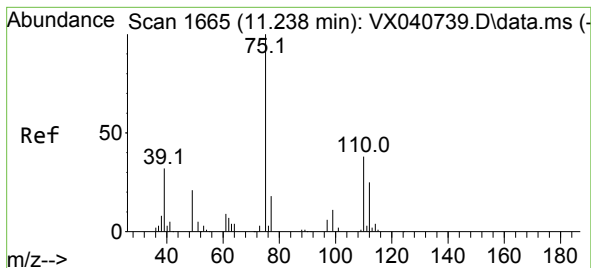
Tgt Ion:152 Resp: 36498
 Ion Ratio Lower Upper
 152 100
 115 62.5 43.3 129.9
 150 155.9 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.244 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX040759.D
 Acq: 21 Mar 2024 21:35

Tgt Ion: 43 Resp: 333
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.867 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

Instrument :

MSVOA_X

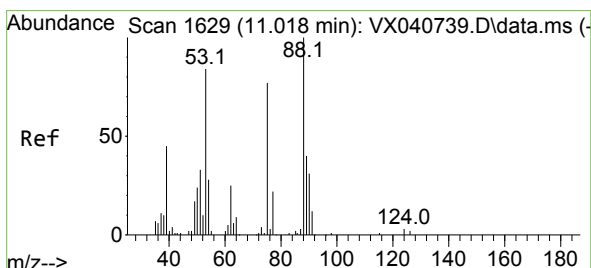
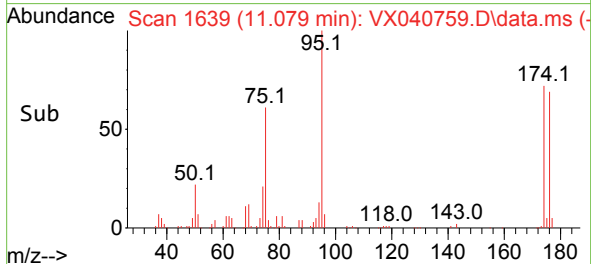
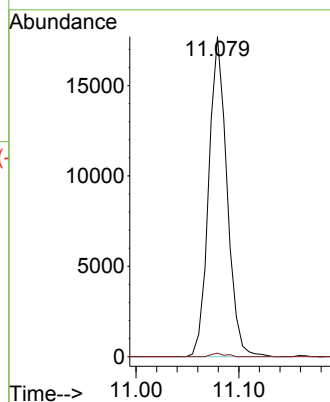
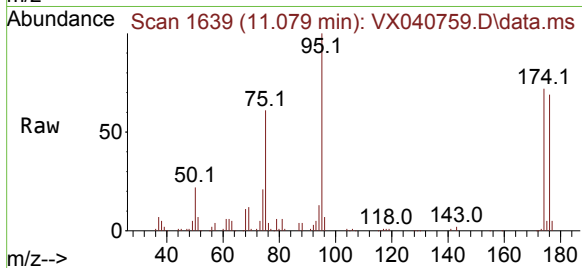
ClientSampleId :

Tgt Ion: 75 Resp: 21875

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.498 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040759.D

Acq: 21 Mar 2024 21:35

Tgt Ion: 75 Resp: 21875

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

