

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040760.D
 Acq On : 21 Mar 2024 21:58
 Operator : JC/MD
 Sample : PB159677ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

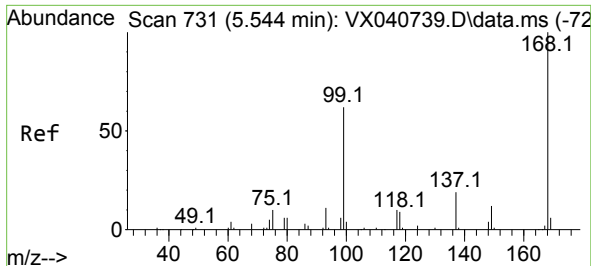
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#11

Quant Time: Mar 22 03:02:59 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	5.556	168	41808	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	74262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	69643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35066	49.882	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.760%
35) Dibromofluoromethane	5.391	113	25219	45.385	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.760%
50) Toluene-d8	8.647	98	90329	47.475	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.960%
62) 4-Bromofluorobenzene	11.079	95	34979	46.532	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.060%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	203	0.551	ug/l #	43
11) Tert butyl alcohol	2.941	59	397	3.527	ug/l #	78
16) Acetone	2.374	43	27203	109.249	ug/l	98
18) Methyl Acetate	2.703	43	620	0.929	ug/l #	53
20) Methylene Chloride	2.794	84	2340	4.299	ug/l	95
25) 2-Butanone	4.574	43	2990	7.667	ug/l #	89
29) Tetrahydrofuran	5.019	42	124	0.478	ug/l #	34
31) Cyclohexane	5.556	56	1089	1.304	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	4128	5.045	ug/l #	51
37) Ethyl Acetate	4.715	43	1167	1.256	ug/l #	69
38) Carbon Tetrachloride	5.562	117	4763	5.172	ug/l #	11
43) Isopropyl Acetate	6.336	43	39371	26.987	ug/l	96
48) Methyl methacrylate	7.793	41	35322	52.972	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	30002	33.161	ug/l #	50
52) Toluene	8.720	92	431	0.320	ug/l	91
53) t-1,3-Dichloropropene	8.946	75	196	0.221	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	10784	11.751	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1531	1.635	ug/l #	42
59) 2-Hexanone	9.482	43	21401	30.535	ug/l #	52
74) N-amyl acetate	10.817	43	375	0.273	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	20833	26.298	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20833	66.529	ug/l #	5

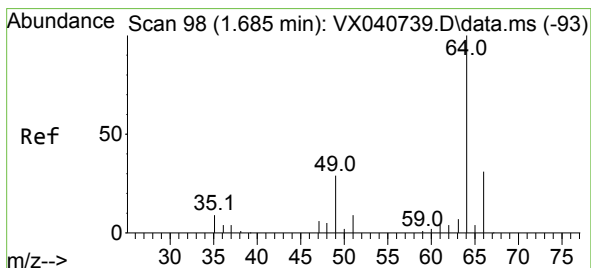
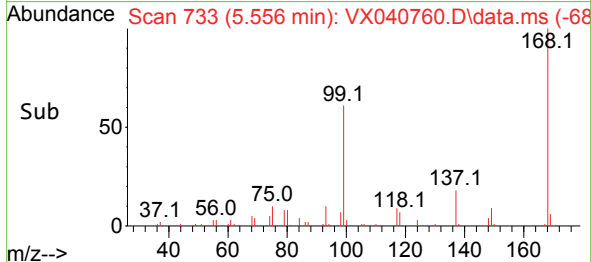
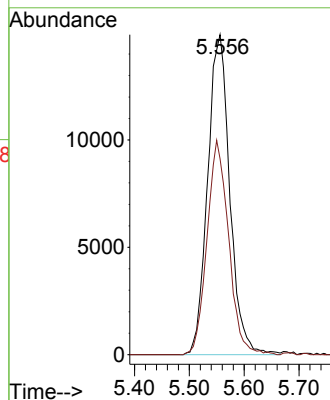
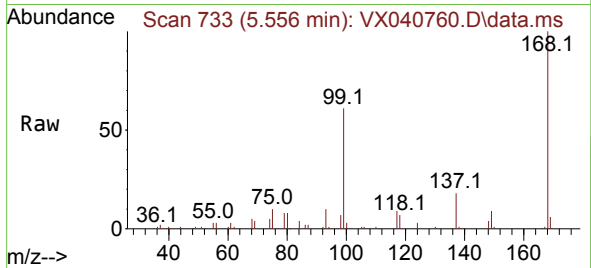
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

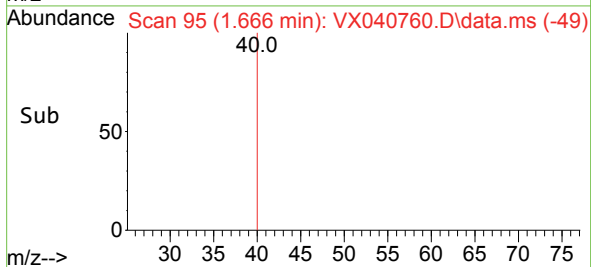
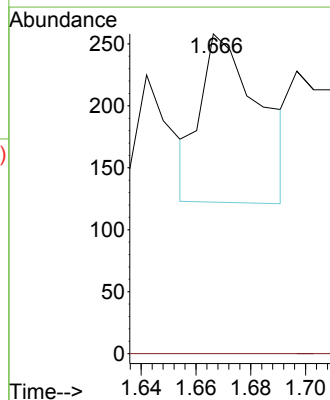
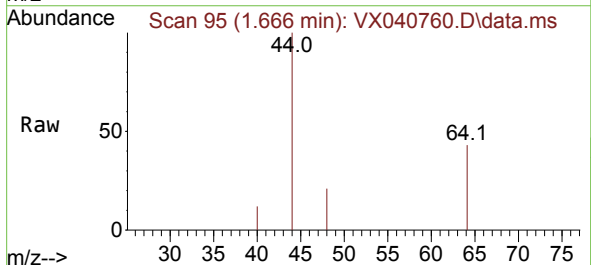
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

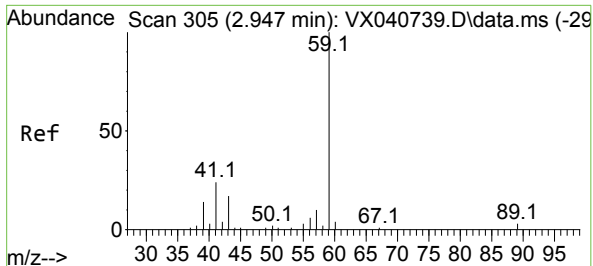
Tgt Ion:168 Resp: 41808
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#6
Chloroethane
Concen: 0.551 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 3.527 ug/l

RT: 2.941 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX040760.D

Acq: 21 Mar 2024 21:58

Instrument :

MSVOA_X

ClientSampleId :

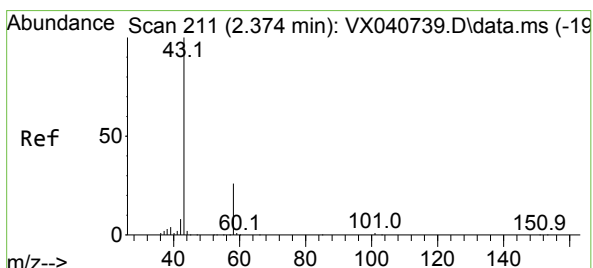
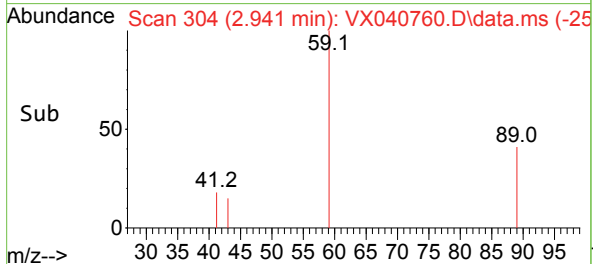
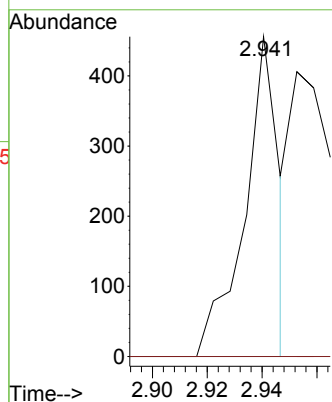
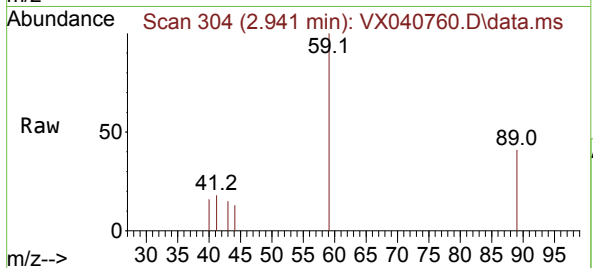
PB159677ZHE#11

Tgt Ion: 59 Resp: 397

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 109.249 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX040760.D

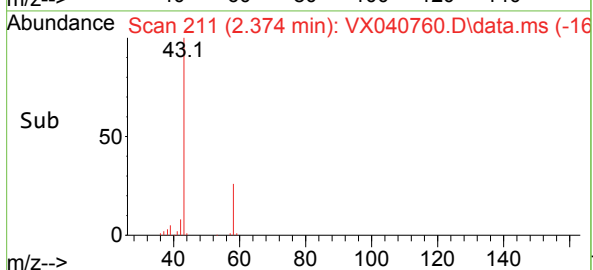
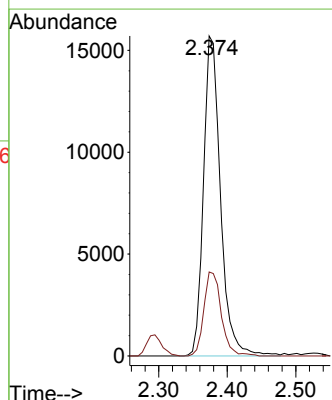
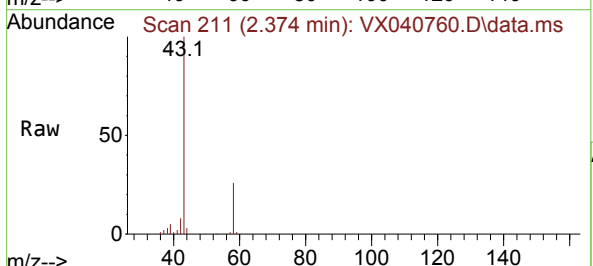
Acq: 21 Mar 2024 21:58

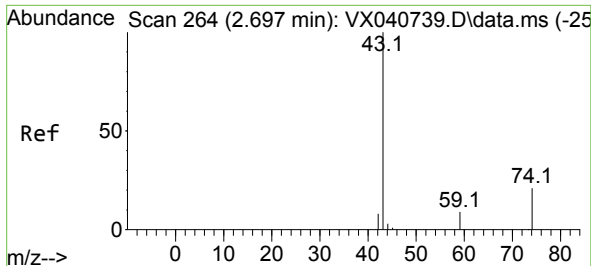
Tgt Ion: 43 Resp: 27203

Ion Ratio Lower Upper

43 100

58 26.2 21.9 32.9

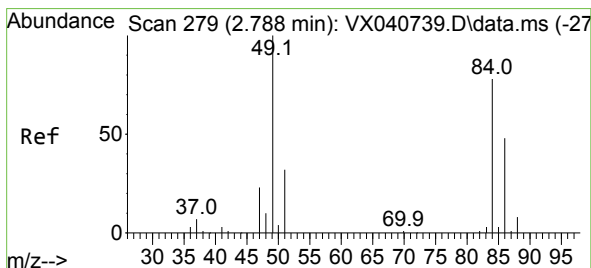
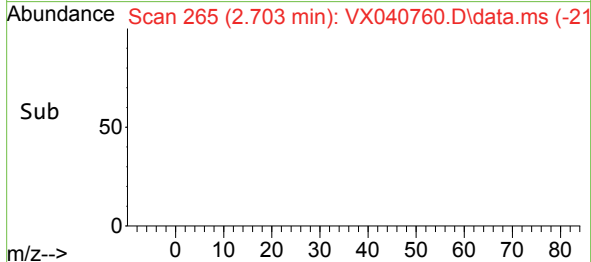
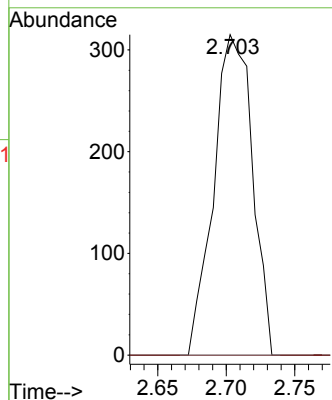
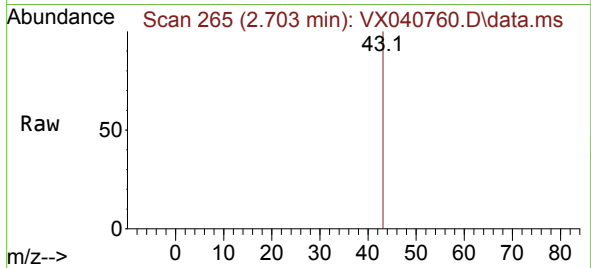




#18
Methyl Acetate
Concen: 0.929 ug/l
RT: 2.703 min Scan# 218
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

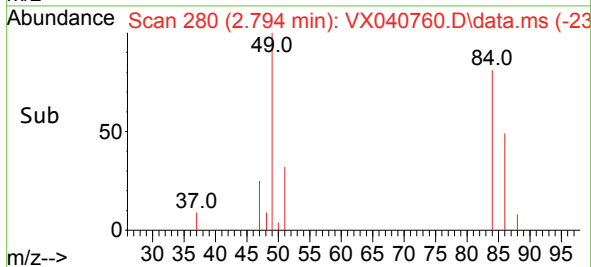
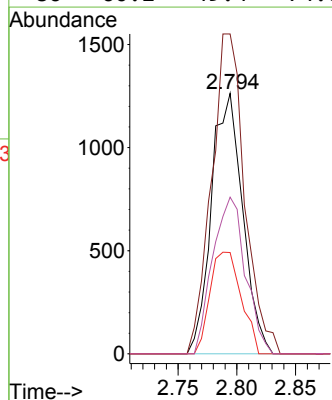
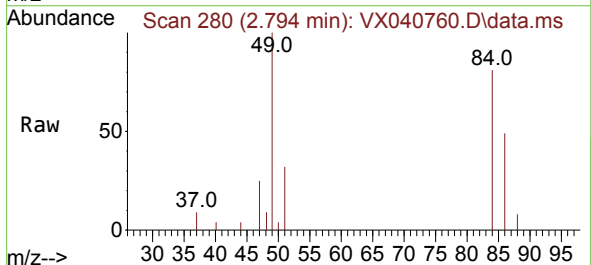
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

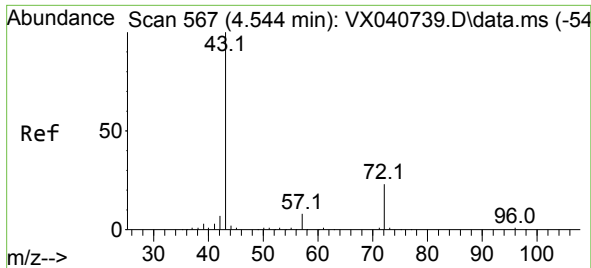
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 4.299 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 84 Resp: 2340
Ion Ratio Lower Upper
84 100
49 122.8 103.6 155.4
51 38.9 33.8 50.6
86 60.2 49.4 74.0

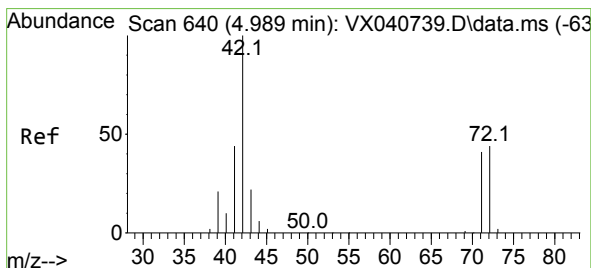
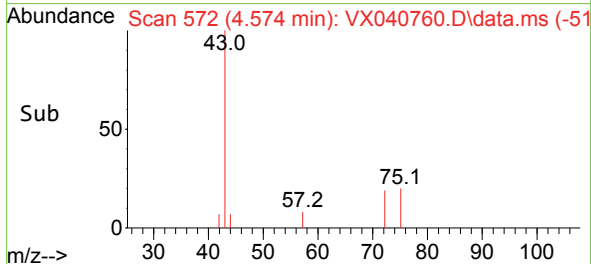
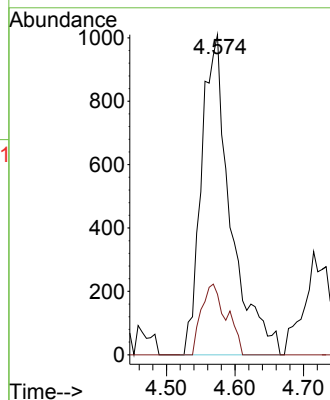
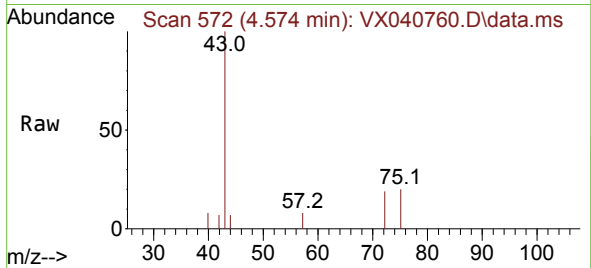




#25
2-Butanone
Concen: 7.667 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

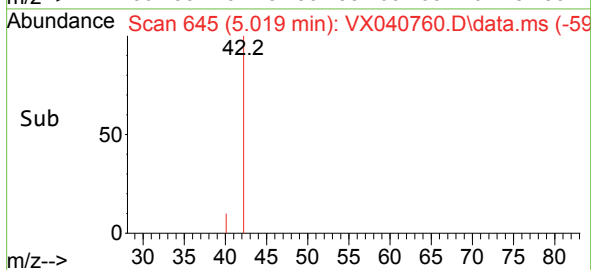
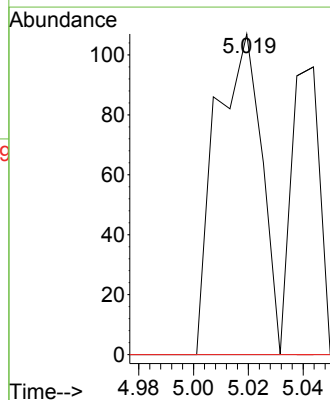
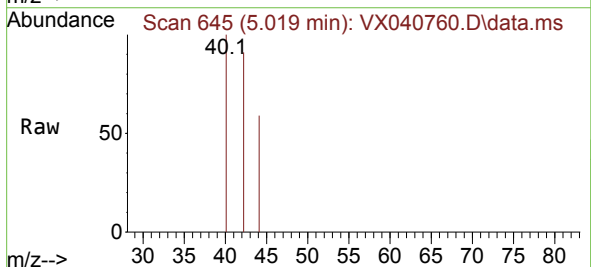
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

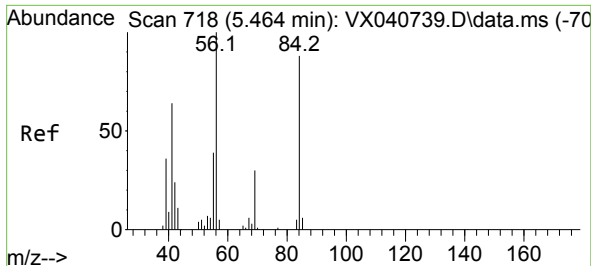
Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
72 18.9 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.478 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.030 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 42 Resp: 124
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

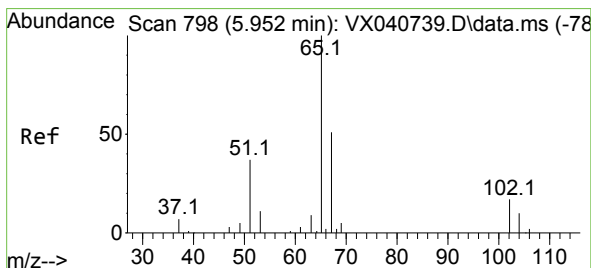
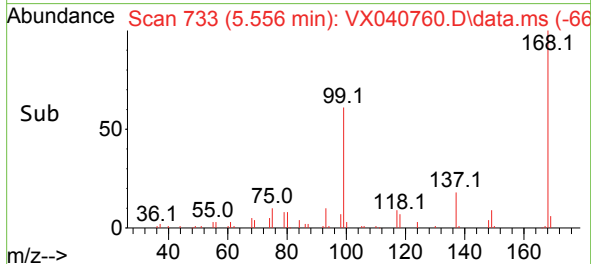
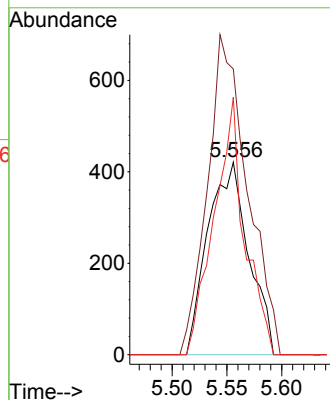
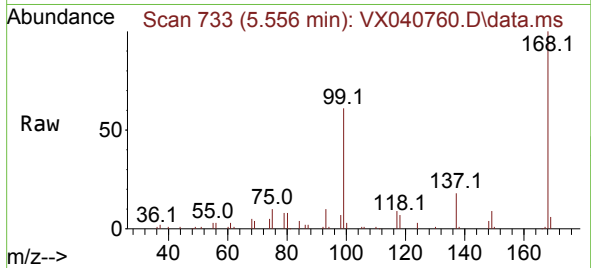




#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

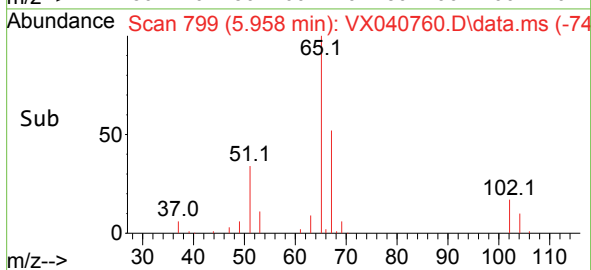
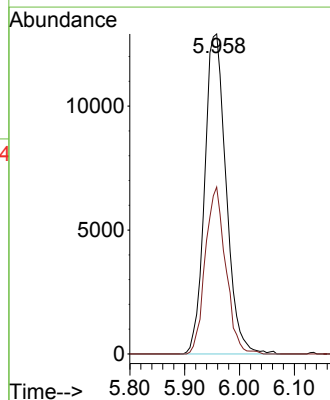
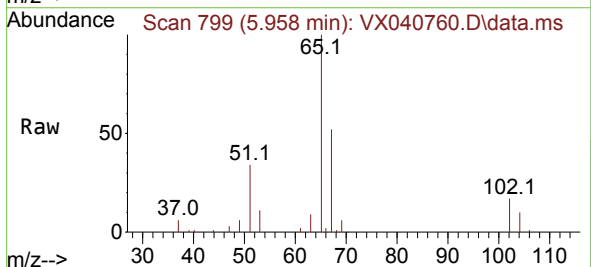
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

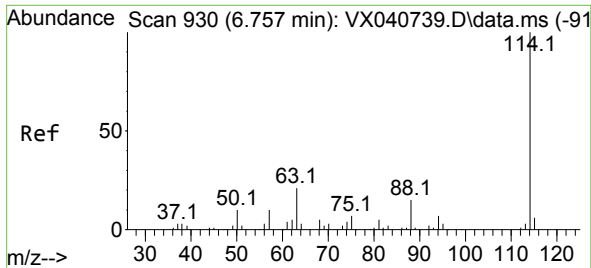
Tgt Ion: 56 Resp: 1089
Ion Ratio Lower Upper
56 100
69 148.5 23.4 35.2#
84 133.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.882 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 65 Resp: 35066
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.2

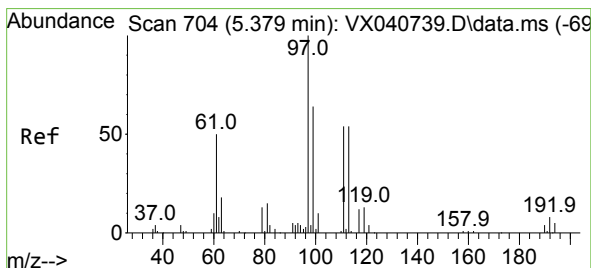
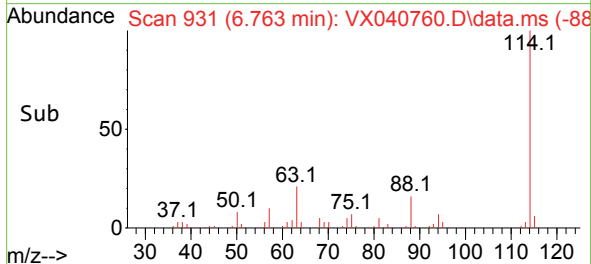
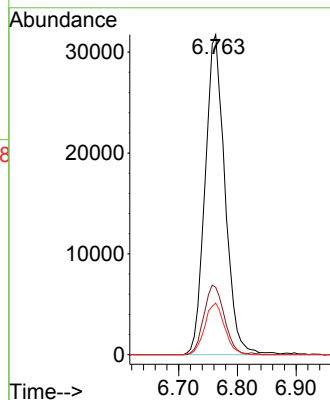
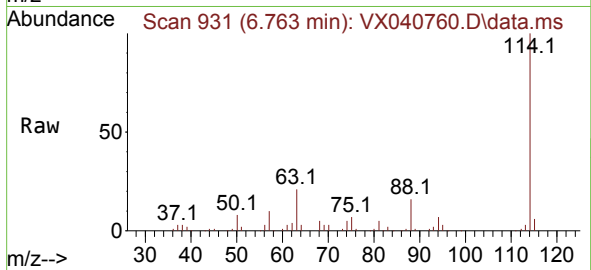




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

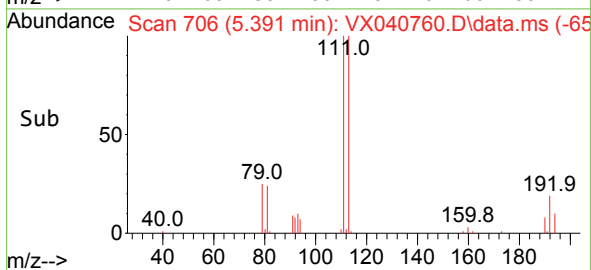
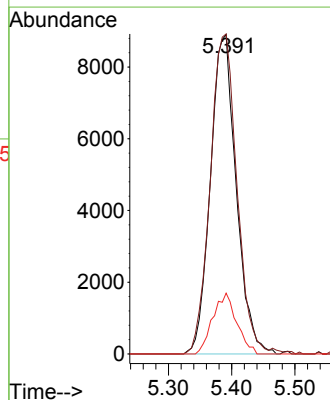
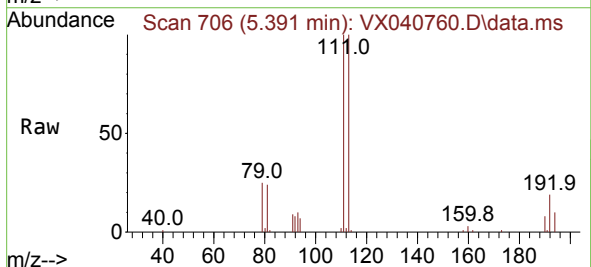
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

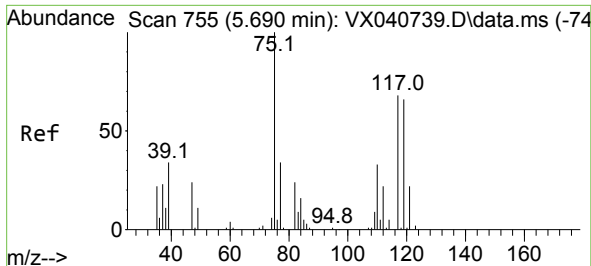
Tgt Ion:114 Resp: 74262
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.385 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion:113 Resp: 25219
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 17.6 13.3 19.9

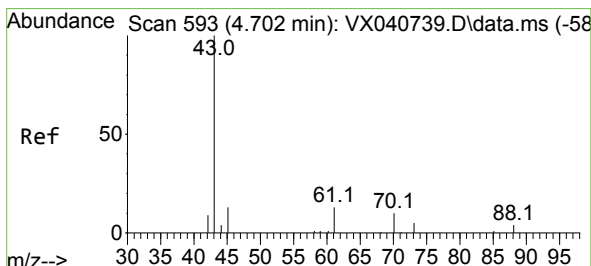
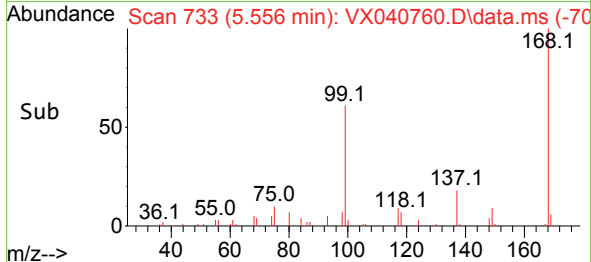
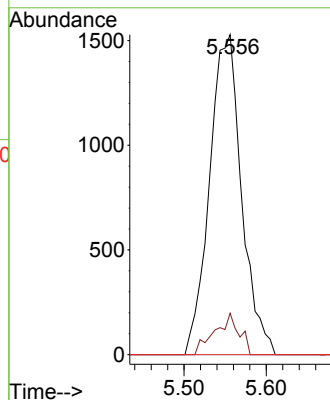
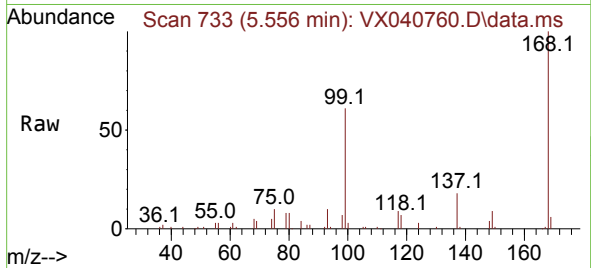




#36
1,1-Dichloropropene
Concen: 5.045 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

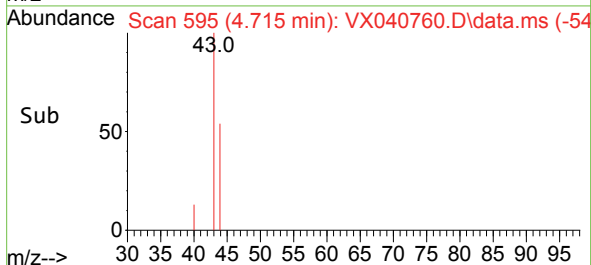
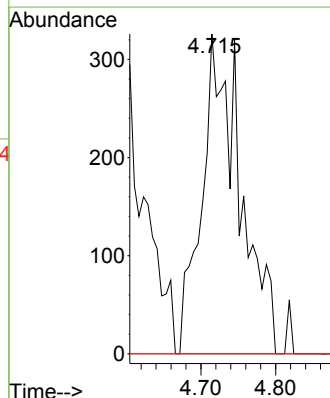
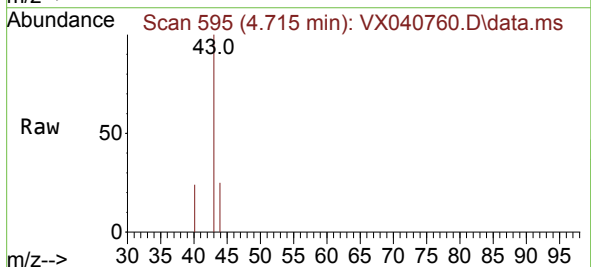
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

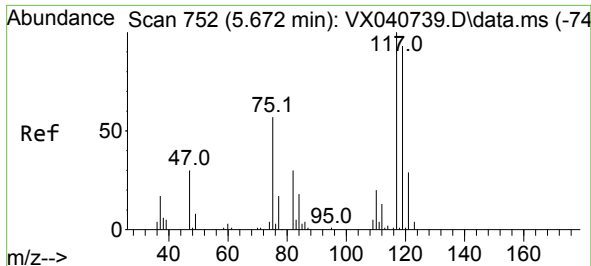
Tgt Ion: 75 Resp: 4128
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.256 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

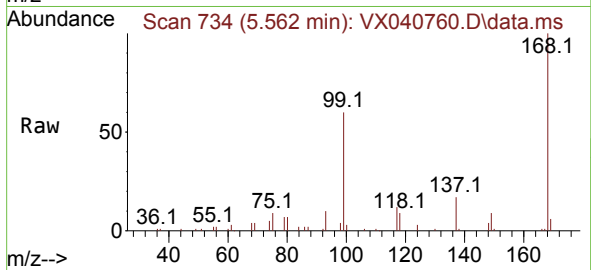
Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



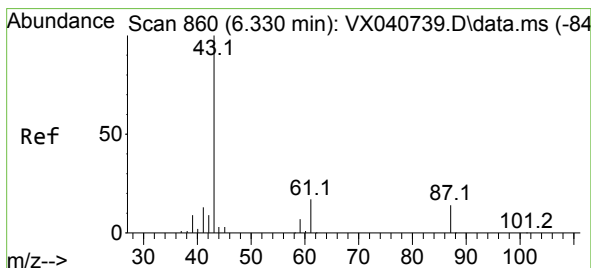
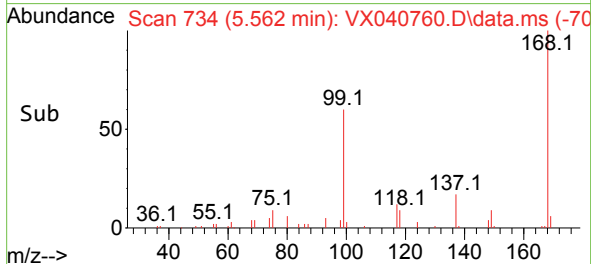
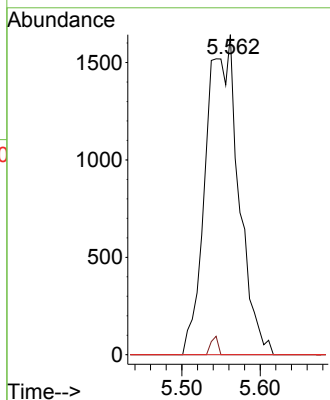


#38
Carbon Tetrachloride
Concen: 5.172 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.110 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

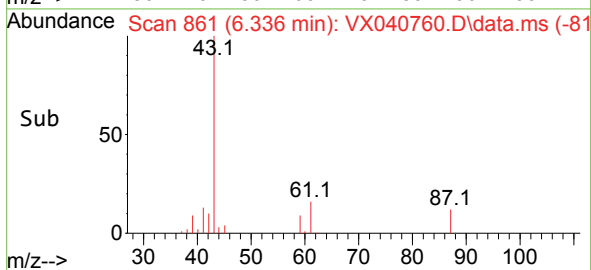
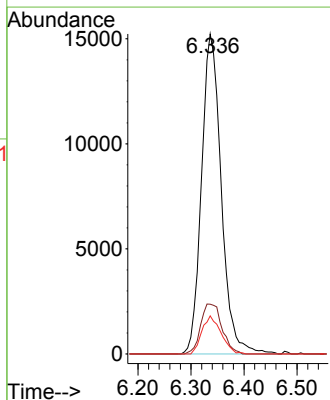
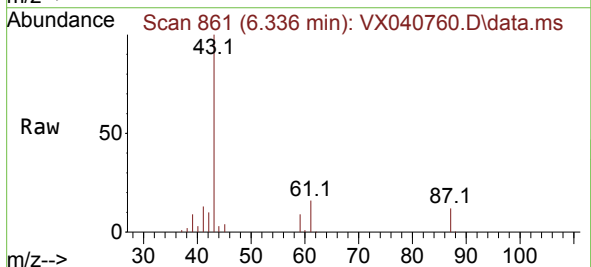


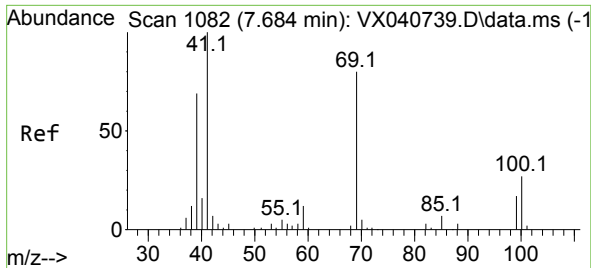
Tgt Ion:117 Resp: 4763
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.987 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 43 Resp: 39371
Ion Ratio Lower Upper
43 100
61 16.8 15.2 22.8
87 11.5 9.8 14.6

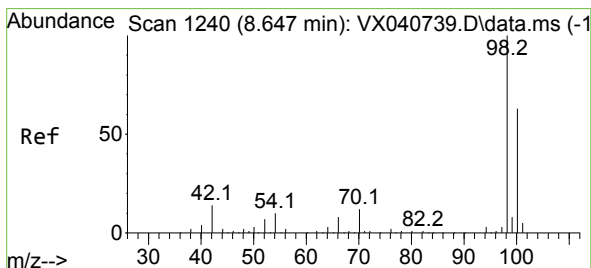
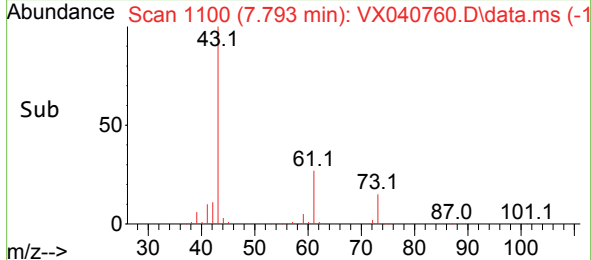
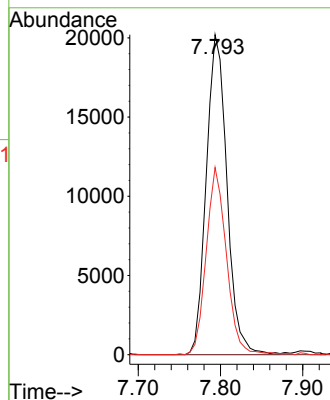
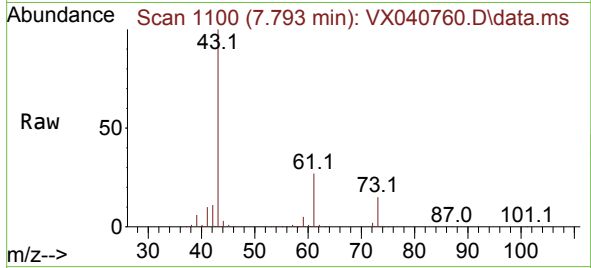




#48
Methyl methacrylate
Concen: 52.972 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

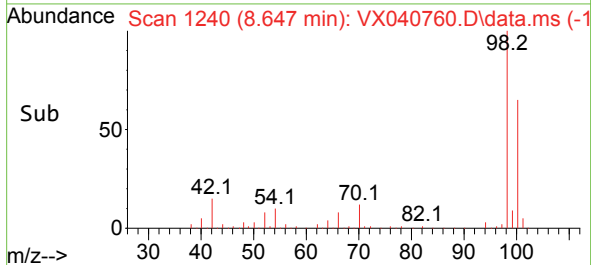
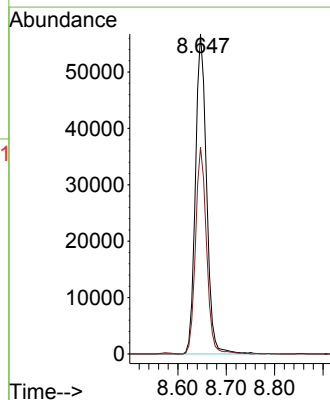
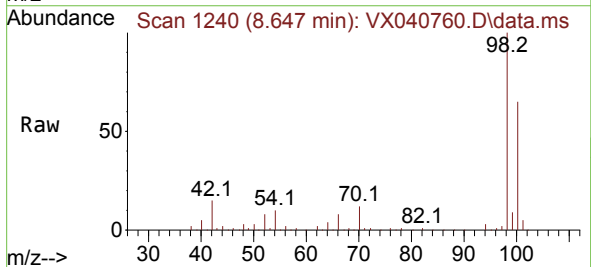
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

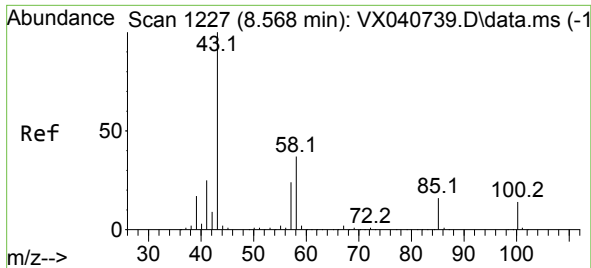
Tgt Ion: 41 Resp: 35322
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.4 47.7 71.5



#50
Toluene-d8
Concen: 47.475 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 98 Resp: 90329
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

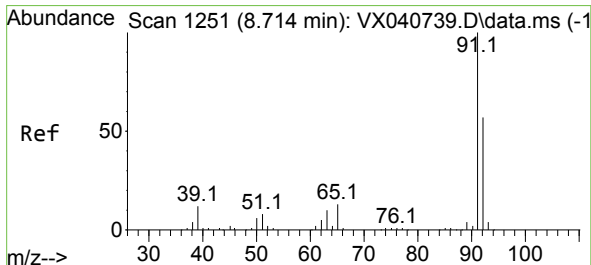
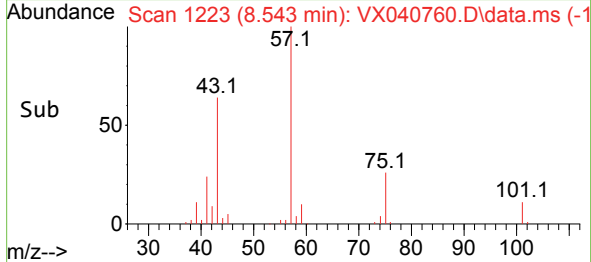
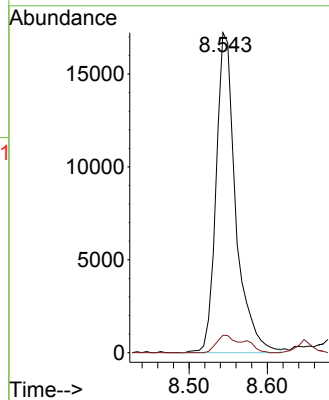
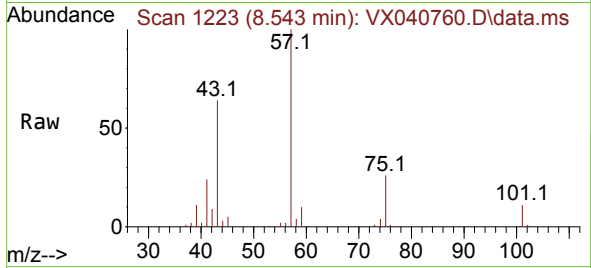




#51
4-Methyl-2-Pentanone
Concen: 33.161 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

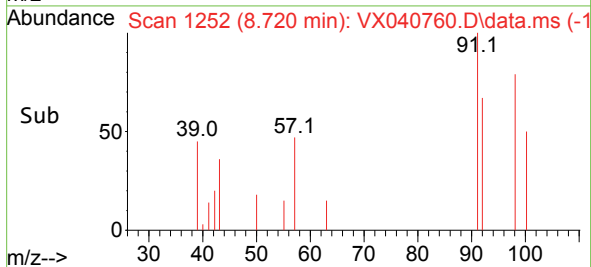
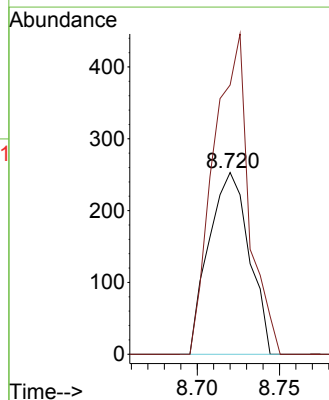
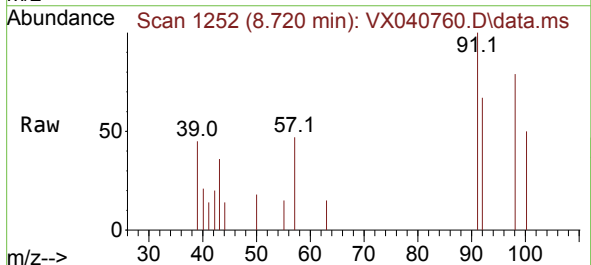
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

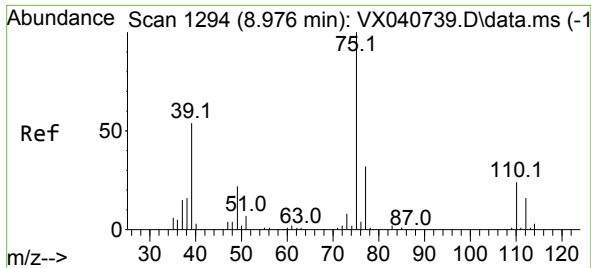
Tgt Ion: 43 Resp: 30002
Ion Ratio Lower Upper
43 100
58 7.6 30.4 45.6#



#52
Toluene
Concen: 0.320 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 92 Resp: 431
Ion Ratio Lower Upper
92 100
91 155.2 134.2 201.2

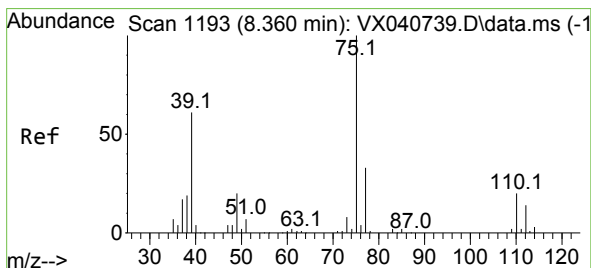
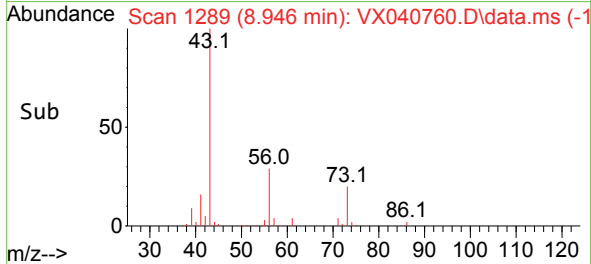
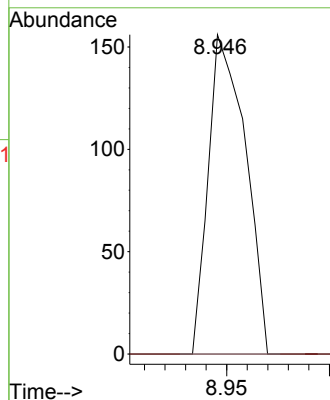
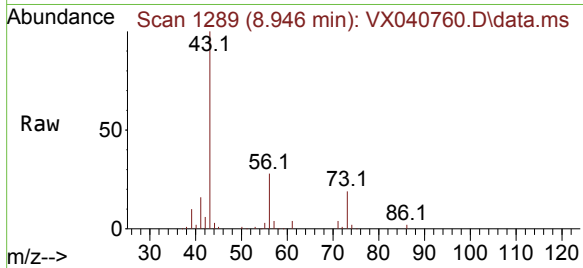




#53
 t-1,3-Dichloropropene
 Concen: 0.221 ug/l
 RT: 8.946 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX040760.D
 Acq: 21 Mar 2024 21:58

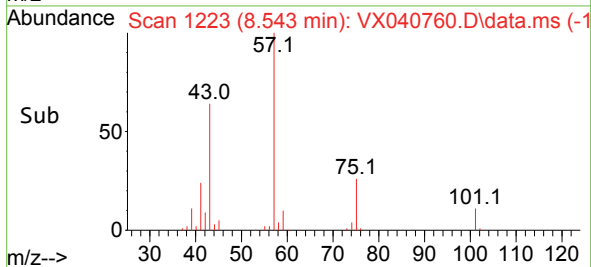
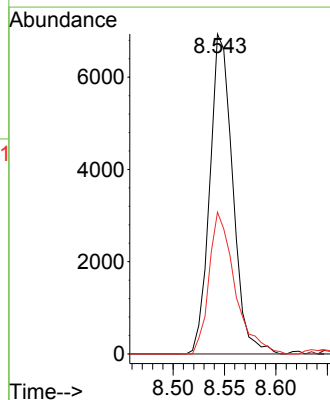
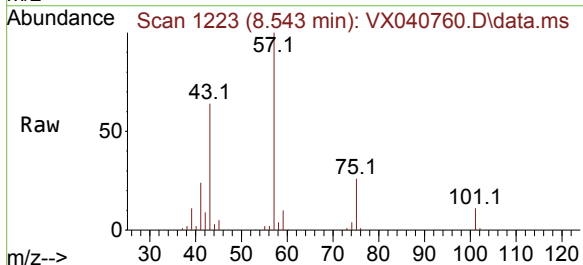
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#11

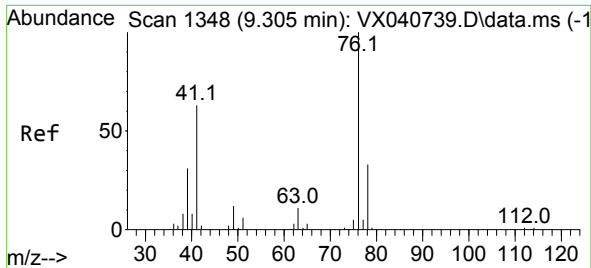
Tgt Ion: 75 Resp: 196
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.751 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.183 min
 Lab File: VX040760.D
 Acq: 21 Mar 2024 21:58

Tgt Ion: 75 Resp: 10784
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 44.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.635 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040760.D

Acq: 21 Mar 2024 21:58

Instrument :

MSVOA_X

ClientSampleId :

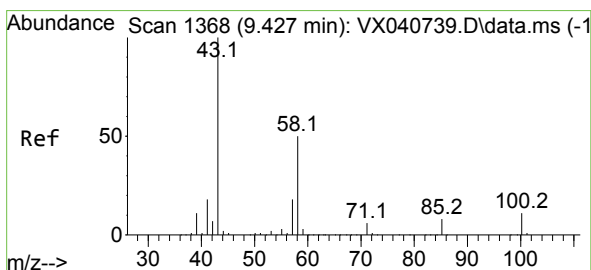
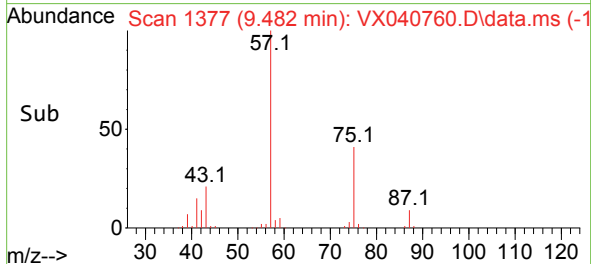
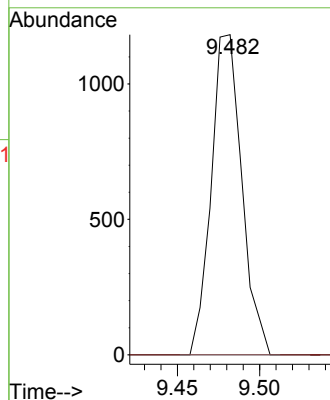
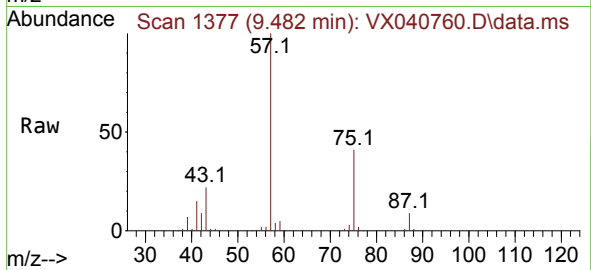
PB159677ZHE#11

Tgt Ion: 76 Resp: 1531

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 30.535 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040760.D

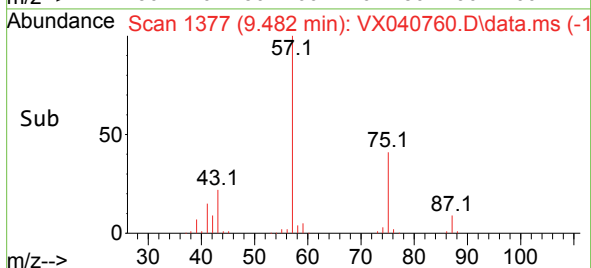
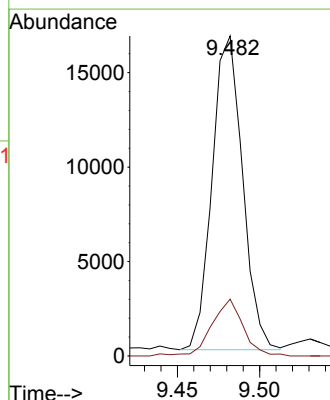
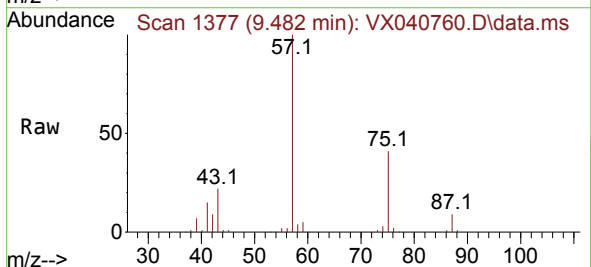
Acq: 21 Mar 2024 21:58

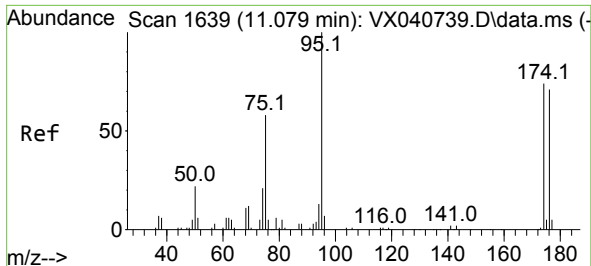
Tgt Ion: 43 Resp: 21401

Ion Ratio Lower Upper

43 100

58 18.7 26.2 78.5#

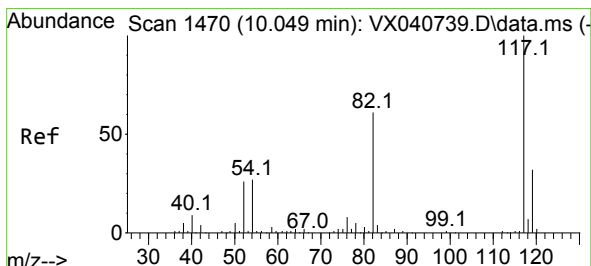
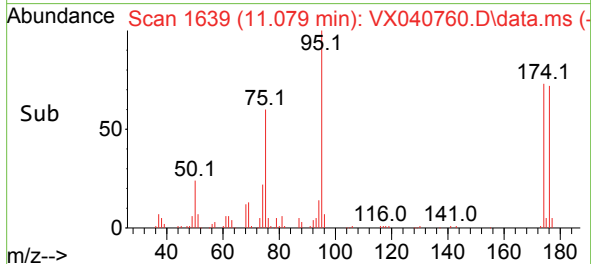
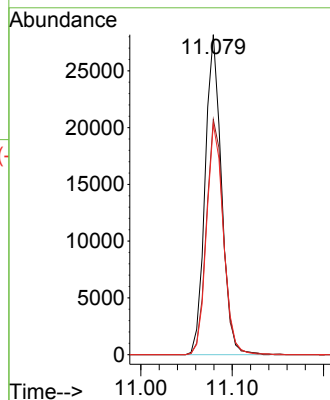
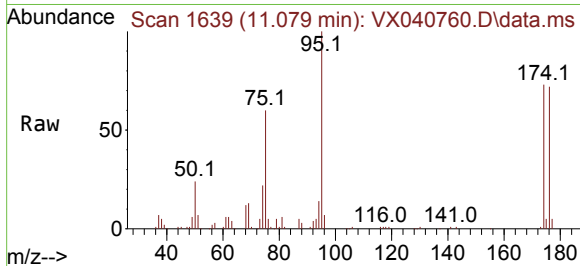




#62
4-Bromofluorobenzene
Concen: 46.532 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

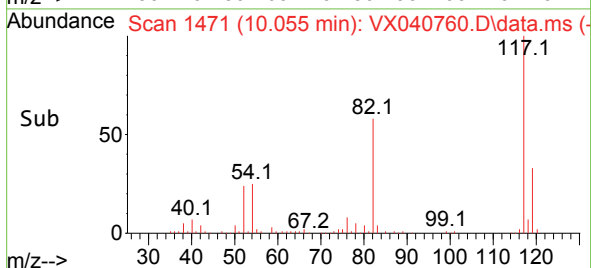
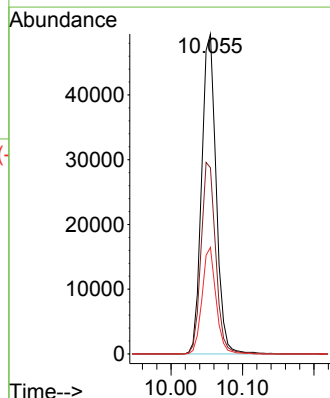
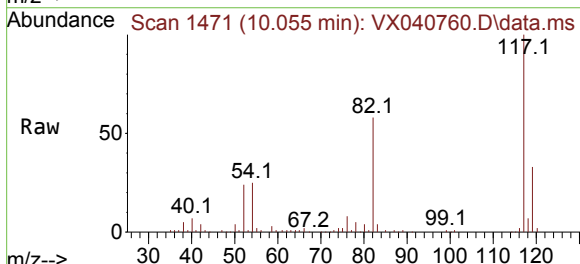
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#11

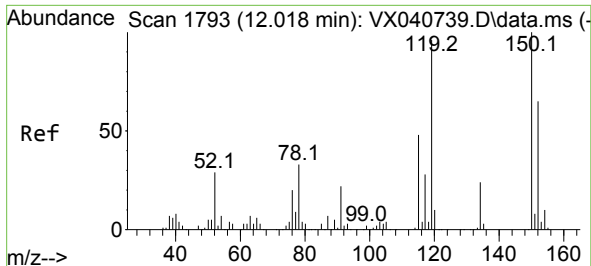
Tgt Ion: 95 Resp: 34979
Ion Ratio Lower Upper
95 100
174 75.9 0.0 135.6
176 74.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040760.D
Acq: 21 Mar 2024 21:58

Tgt Ion: 117 Resp: 69643
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 33.3 25.5 38.3

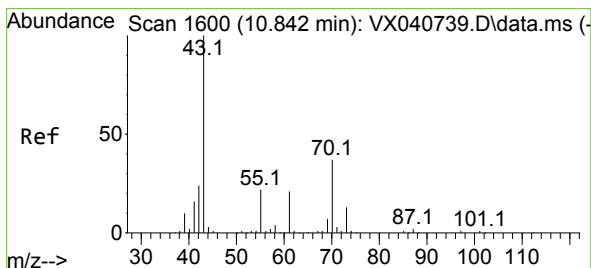
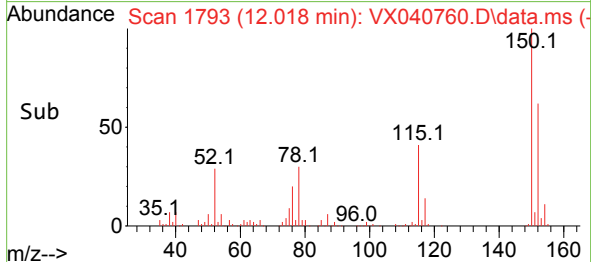
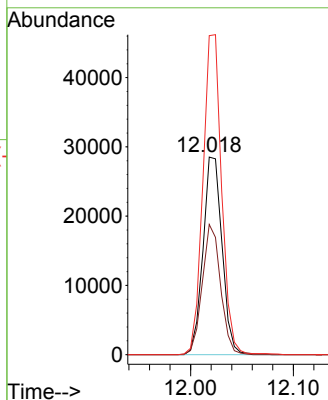
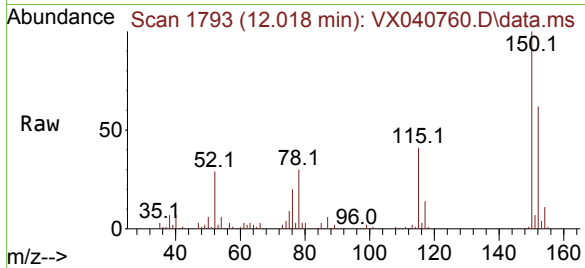




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040760.D
 Acq: 21 Mar 2024 21:58

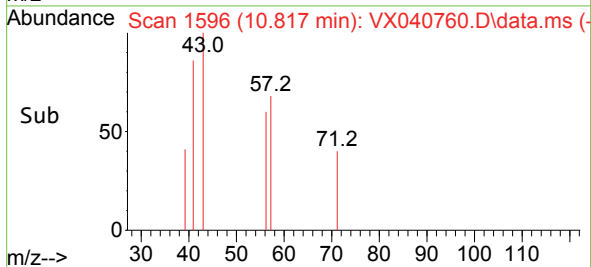
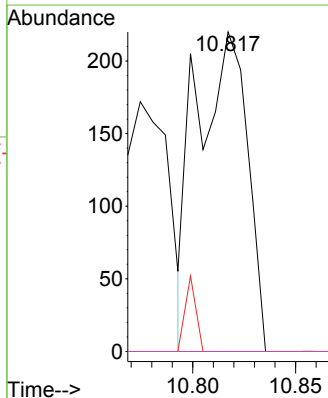
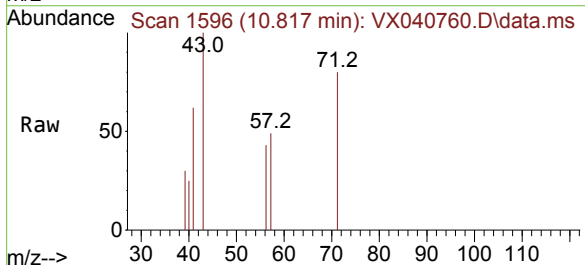
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#11

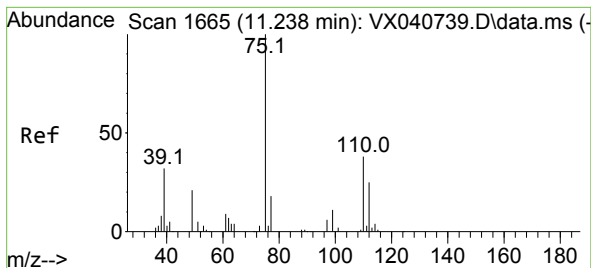
Tgt Ion:152 Resp: 36833
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.3 129.9
 150 159.1 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.273 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX040760.D
 Acq: 21 Mar 2024 21:58

Tgt Ion: 43 Resp: 375
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 5.1 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.298 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040760.D

Acq: 21 Mar 2024 21:58

Instrument :

MSVOA_X

ClientSampleId :

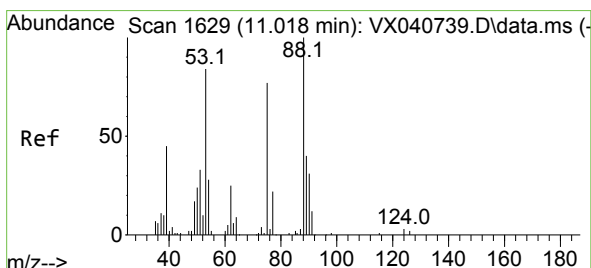
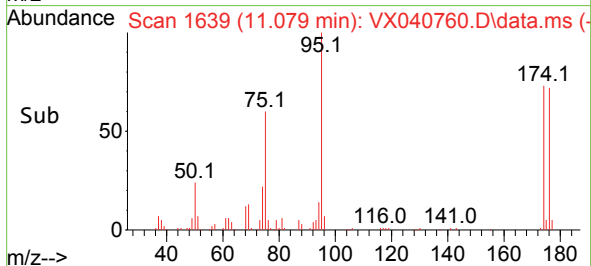
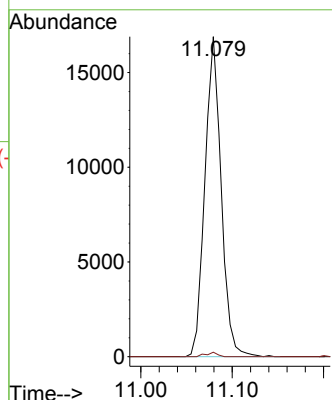
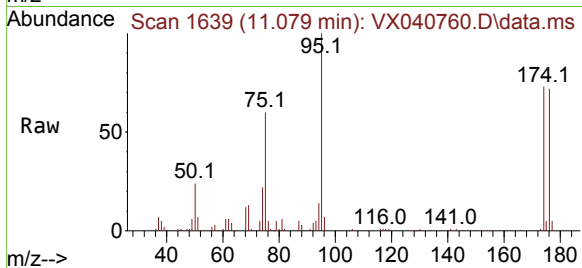
PB159677ZHE#11

Tgt Ion: 75 Resp: 20833

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.529 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040760.D

Acq: 21 Mar 2024 21:58

Tgt Ion: 75 Resp: 20833

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

