

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040764.D
 Acq On : 21 Mar 2024 23:29
 Operator : JC/MD
 Sample : PB159677ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#15

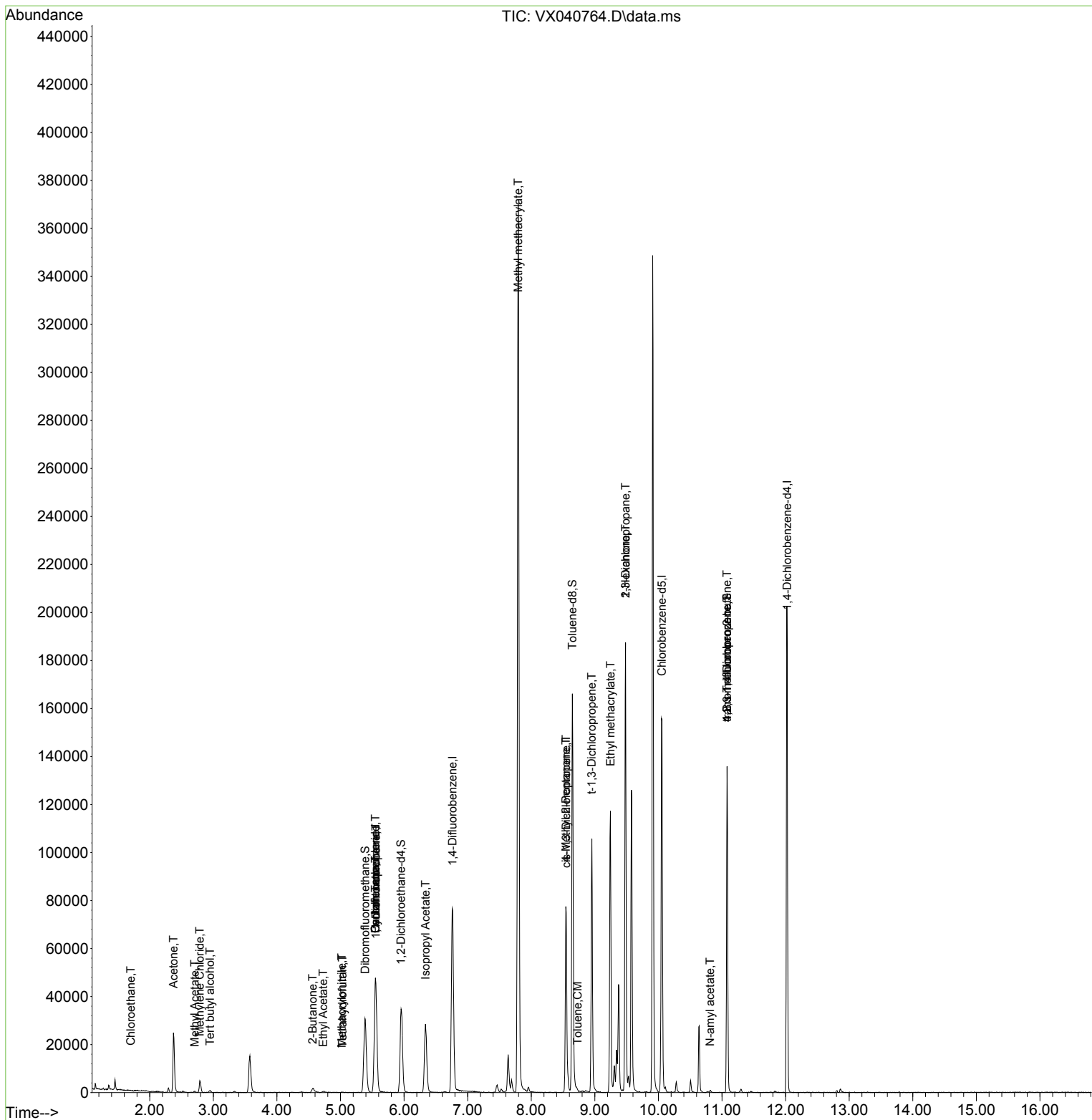
Quant Time: Mar 22 03:04:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

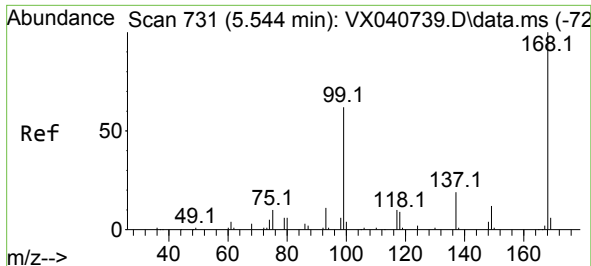
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	41979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	75181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	66787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	34951	49.516	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.040%		
35) Dibromofluoromethane	5.385	113	25651	45.598	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.200%		
50) Toluene-d8	8.647	98	95518	49.589	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.180%		
62) 4-Bromofluorobenzene	11.079	95	33754	44.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.700%		
Target Compounds					Qvalue	
6) Chloroethane	1.703	64	122	0.330	ug/l #	43
11) Tert butyl alcohol	2.947	59	923	8.166	ug/l #	78
16) Acetone	2.374	43	26828	107.304	ug/l	97
18) Methyl Acetate	2.709	43	548	0.818	ug/l	96
20) Methylene Chloride	2.788	84	2080	3.806	ug/l	93
25) 2-Butanone	4.562	43	2975	7.597	ug/l #	88
29) Tetrahydrofuran	5.032	42	70	0.269	ug/l #	34
31) Cyclohexane	5.550	56	1198	1.428	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	3912	4.723	ug/l #	52
37) Ethyl Acetate	4.727	43	1045	1.111	ug/l #	71
38) Carbon Tetrachloride	5.550	117	4603	4.937	ug/l #	14
41) Methacrylonitrile	5.020	41	104	0.214	ug/l #	25
43) Isopropyl Acetate	6.336	43	39871	26.995	ug/l	98
48) Methyl methacrylate	7.793	41	34890	51.685	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	31211	34.075	ug/l #	50
52) Toluene	8.726	92	365	0.268	ug/l	96
53) t-1,3-Dichloropropene	8.952	75	218	0.243	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	11369	12.237	ug/l #	66
56) Ethyl methacrylate	9.244	69	259	0.279	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1434	1.513	ug/l #	42
59) 2-Hexanone	9.482	43	22410	31.584	ug/l #	54
74) N-amyl acetate	10.811	43	331	0.233	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	19187	23.427	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	19187	59.265	ug/l #	5

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

Quant Time: Mar 22 03:04:38 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

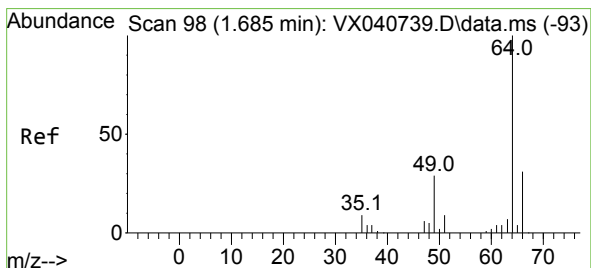
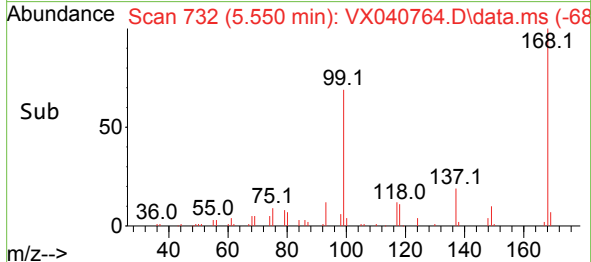
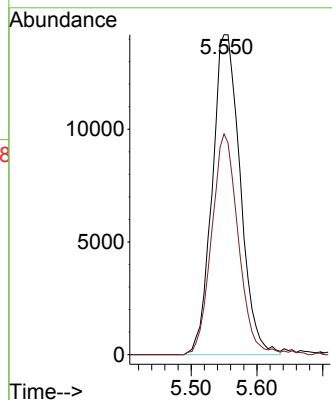
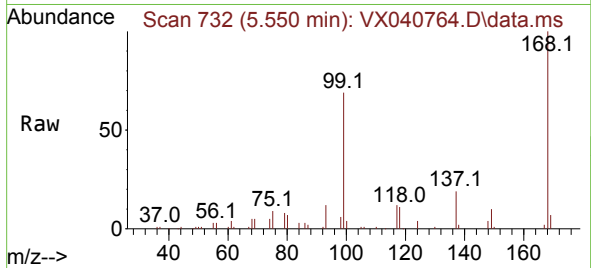




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

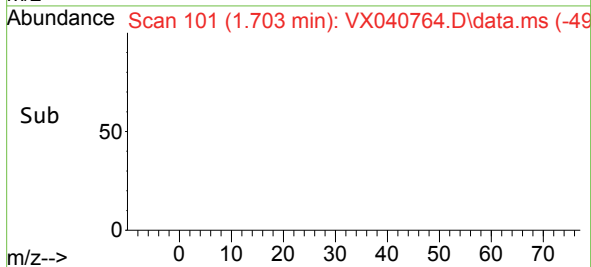
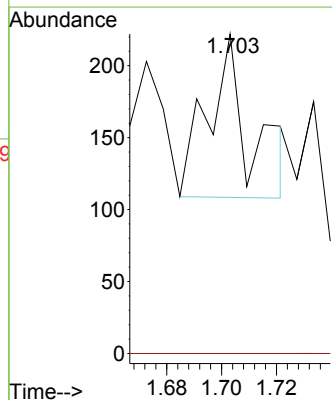
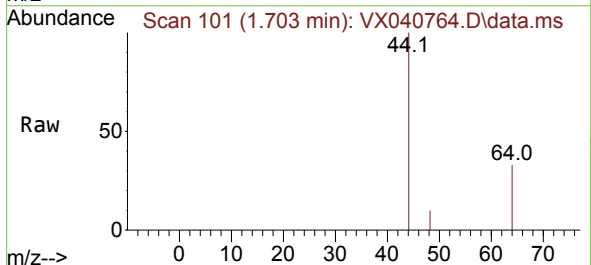
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

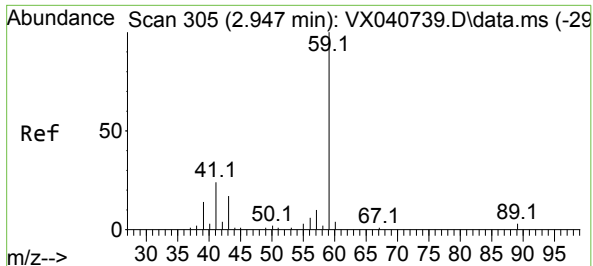
Tgt Ion:168 Resp: 41979
Ion Ratio Lower Upper
168 100
99 69.0 56.6 85.0



#6
Chloroethane
Concen: 0.330 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

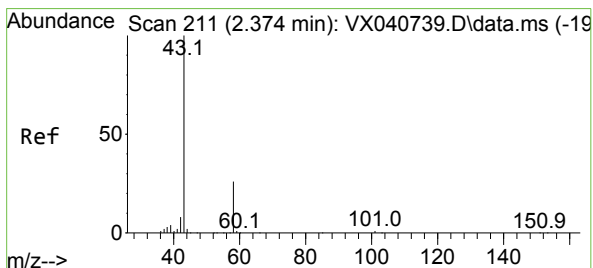
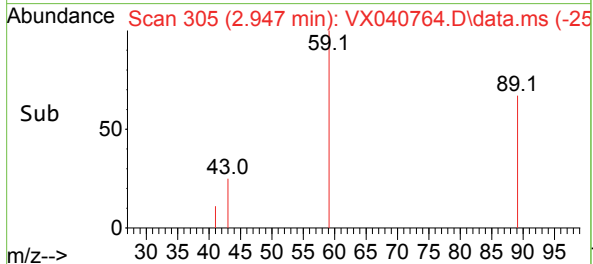
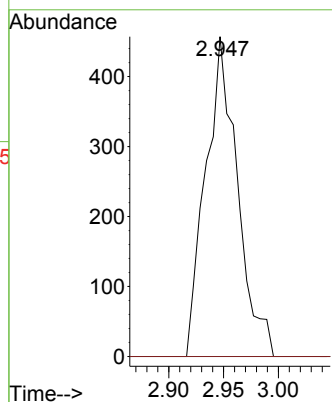
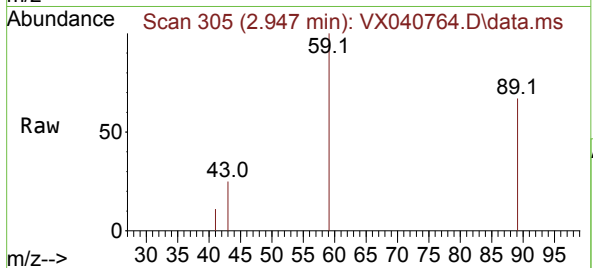




#11
Tert butyl alcohol
Concen: 8.166 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.000 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

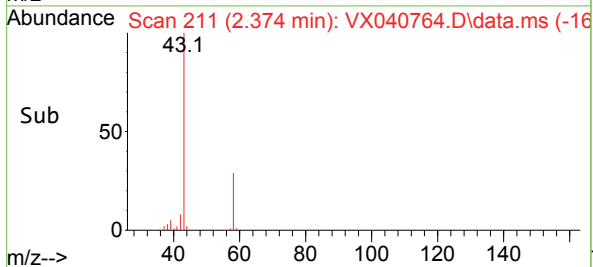
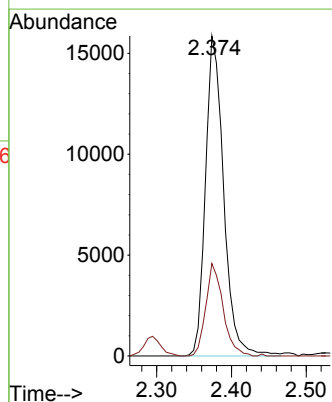
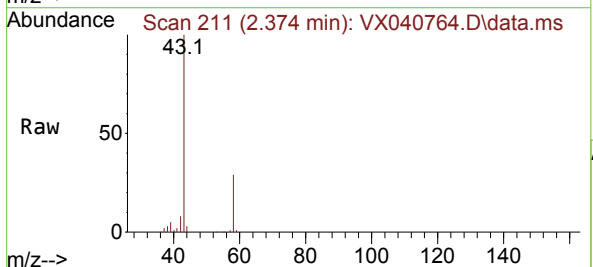
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

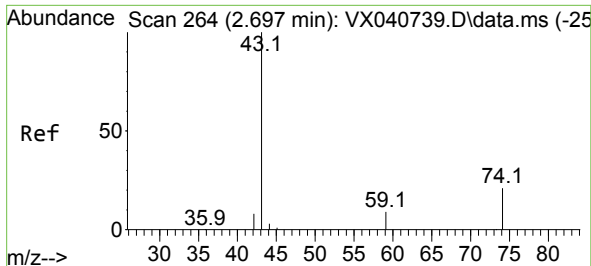
Tgt Ion: 59 Resp: 923
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 107.304 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 43 Resp: 26828
Ion Ratio Lower Upper
43 100
58 28.9 21.9 32.9

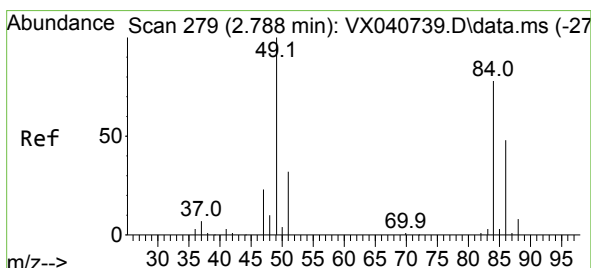
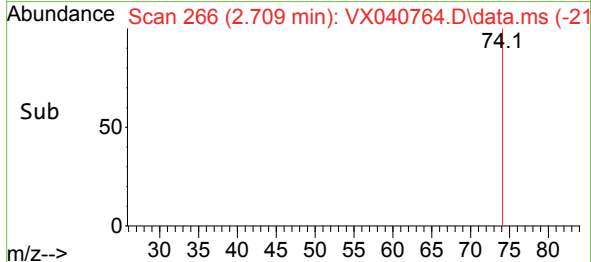
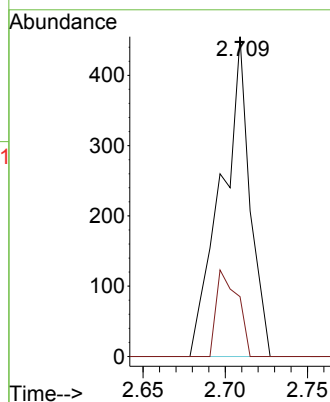
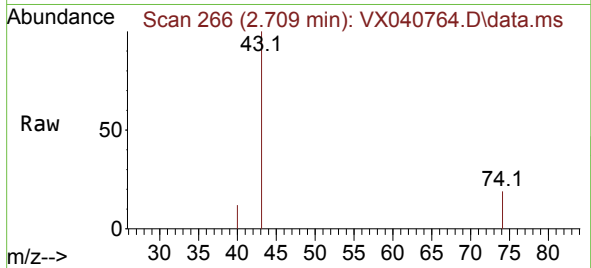




#18
Methyl Acetate
Concen: 0.818 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

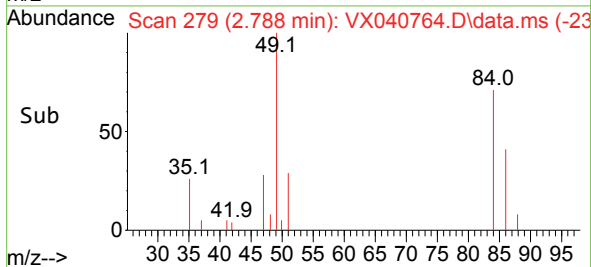
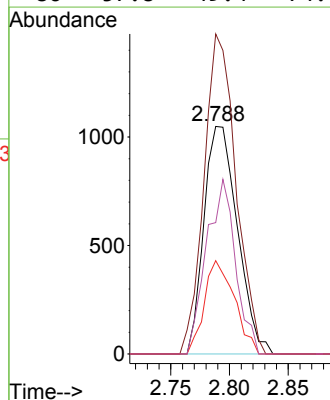
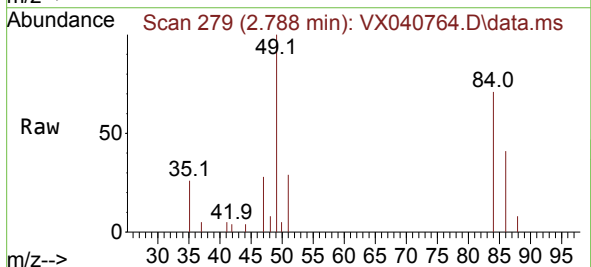
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

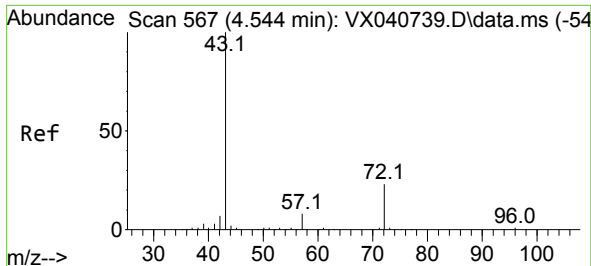
Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8



#20
Methylene Chloride
Concen: 3.806 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 84 Resp: 2080
Ion Ratio Lower Upper
84 100
49 140.6 103.6 155.4
51 41.0 33.8 50.6
86 57.8 49.4 74.0

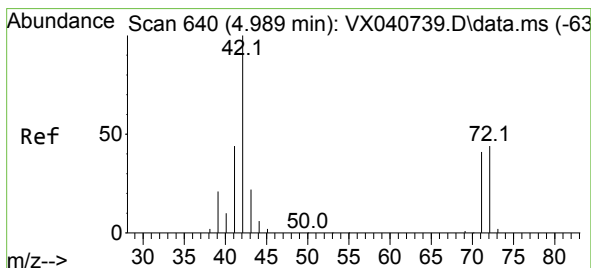
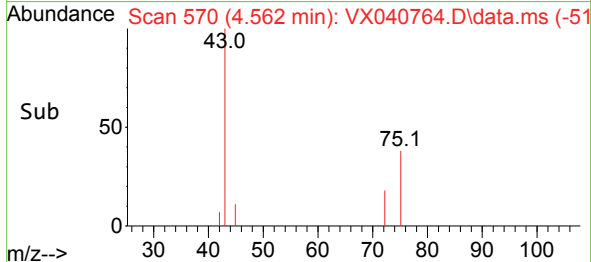
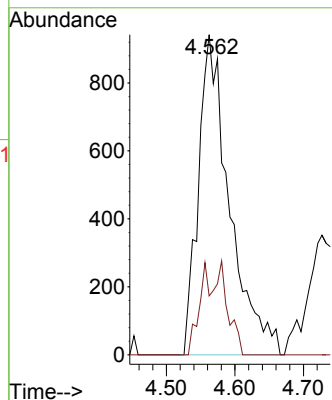
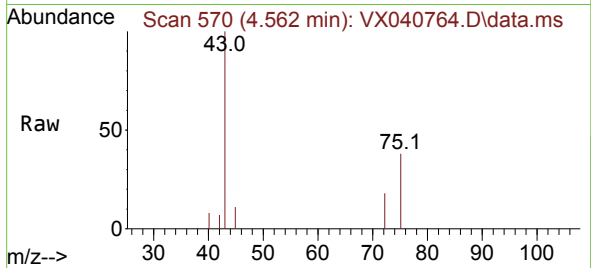




#25
2-Butanone
Concen: 7.597 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

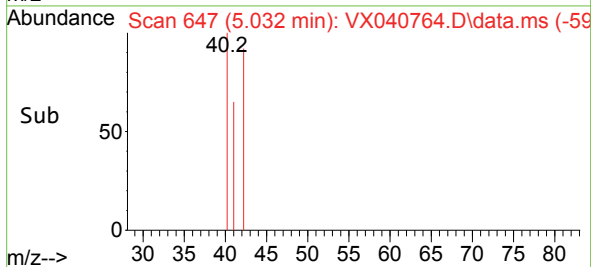
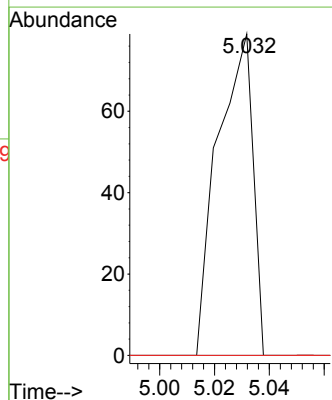
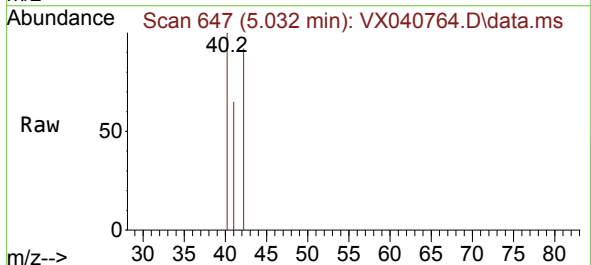
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

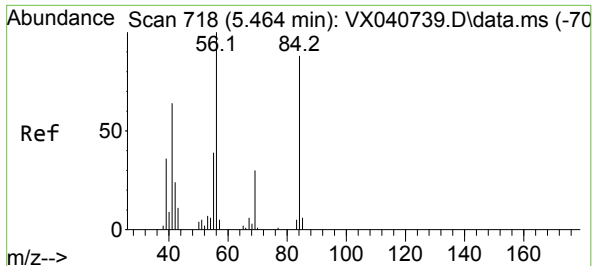
Tgt Ion: 43 Resp: 2975
Ion Ratio Lower Upper
43 100
72 18.4 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.269 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.043 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

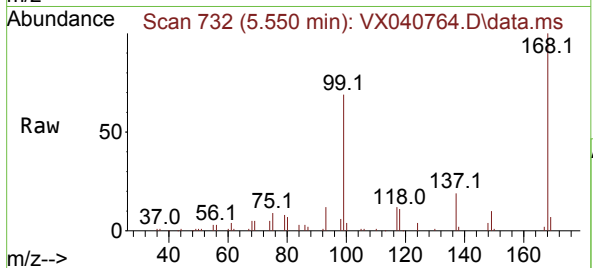
Tgt Ion: 42 Resp: 70
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



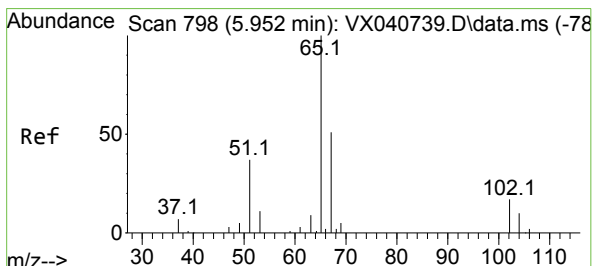
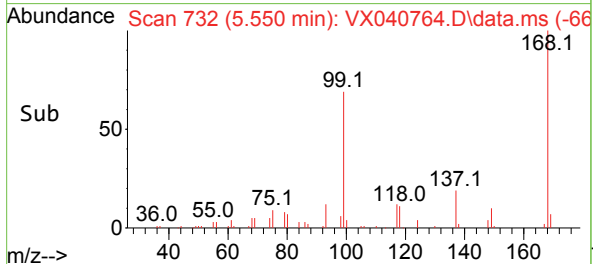
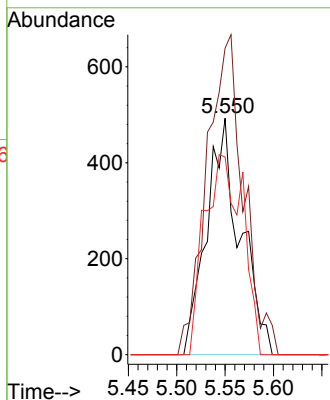


#31
Cyclohexane
Concen: 1.428 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

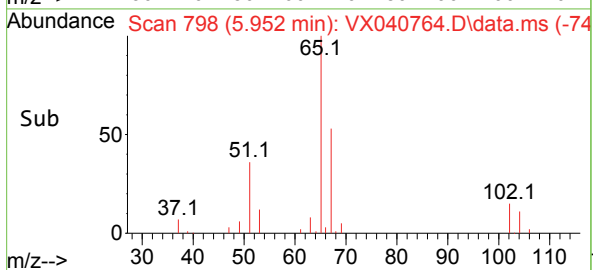
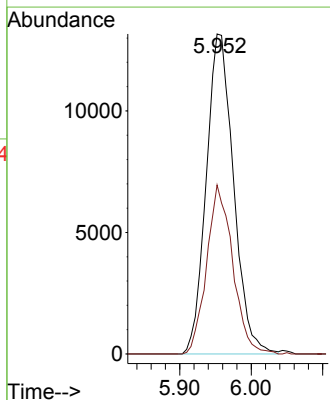
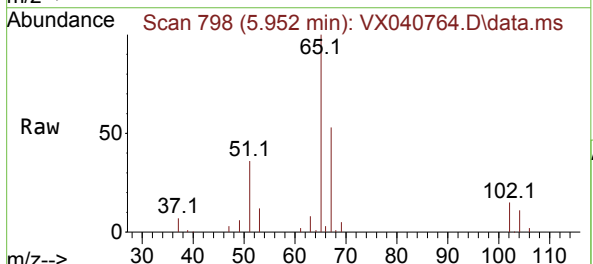


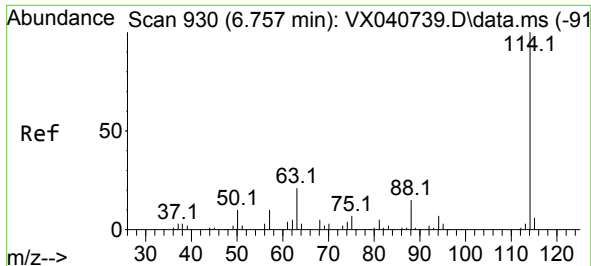
Tgt Ion: 56 Resp: 1198
Ion Ratio Lower Upper
56 100
69 129.6 23.4 35.2#
84 83.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.516 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 65 Resp: 34951
Ion Ratio Lower Upper
65 100
67 50.3 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: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#15

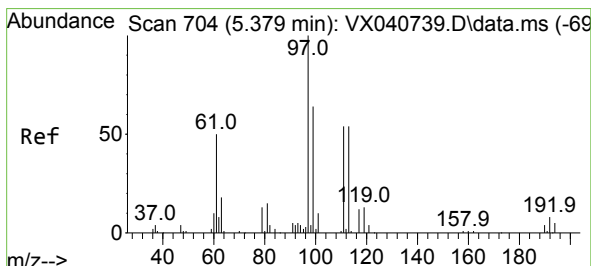
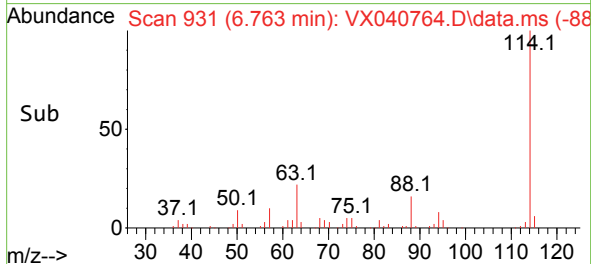
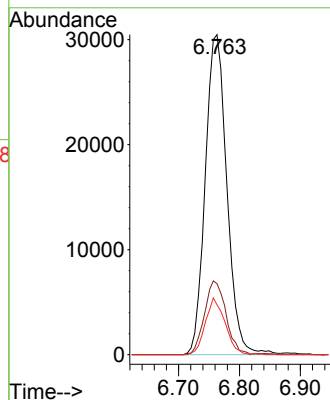
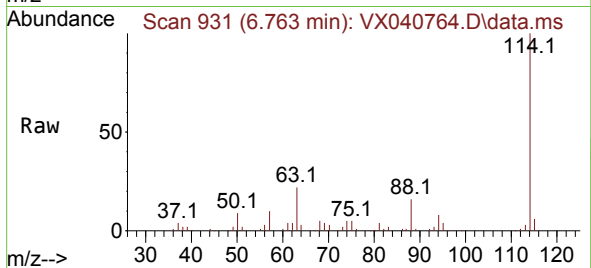
Tgt Ion:114 Resp: 75181

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

88 15.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.598 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

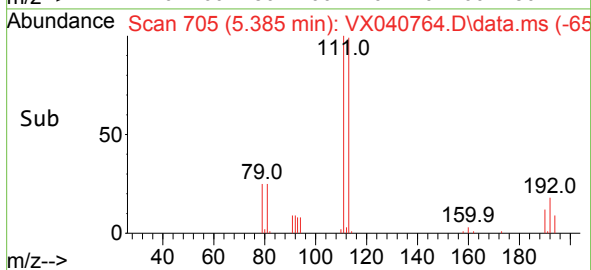
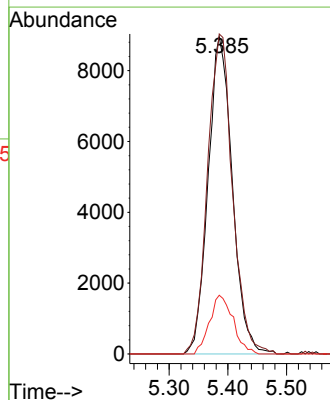
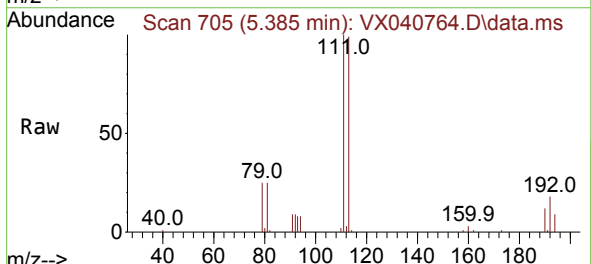
Tgt Ion:113 Resp: 25651

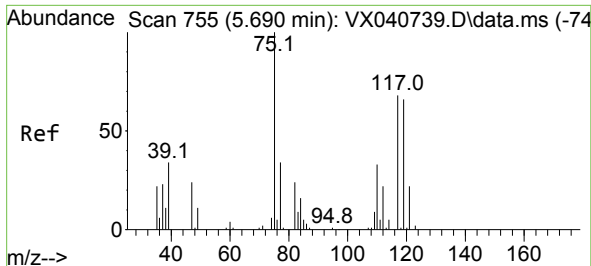
Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

192 18.0 13.3 19.9

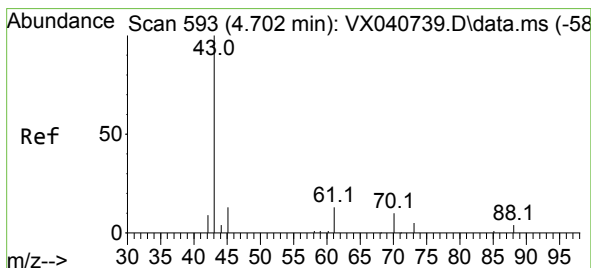
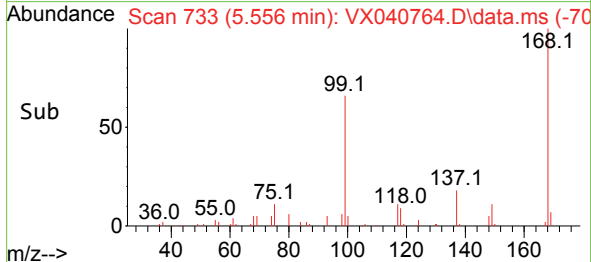
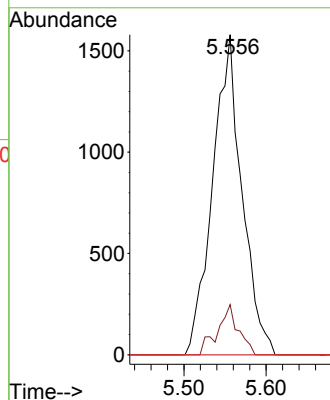
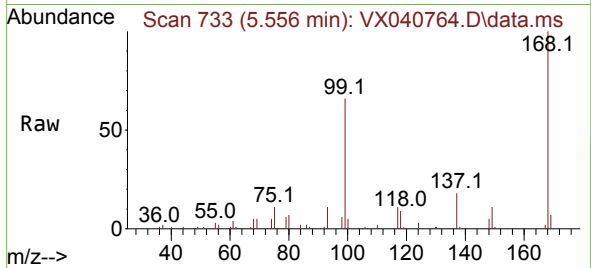




#36
1,1-Dichloropropene
Concen: 4.723 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

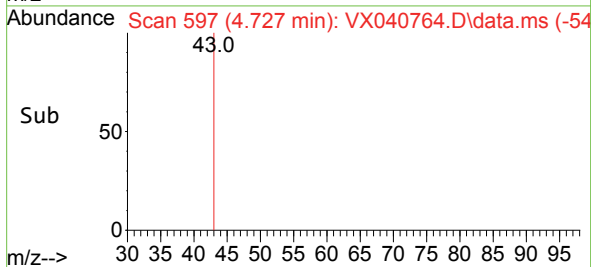
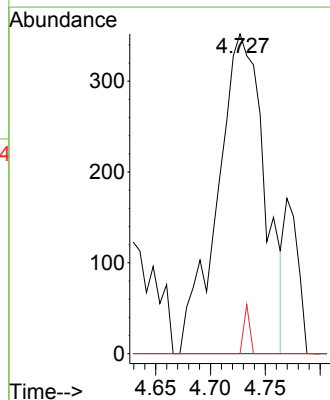
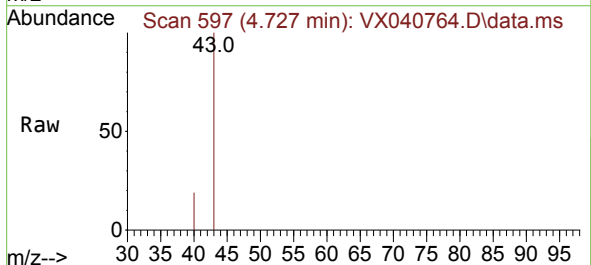
Instrument :
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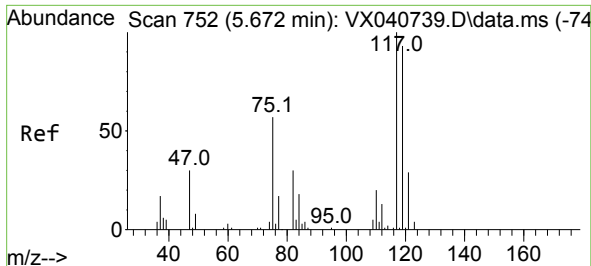
Tgt Ion: 75 Resp: 3912
Ion Ratio Lower Upper
75 100
110 11.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.111 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.025 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

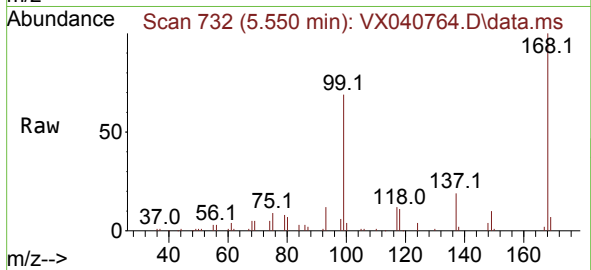
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 1.9 8.3 12.5#



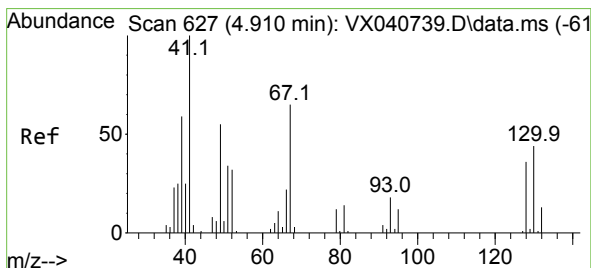
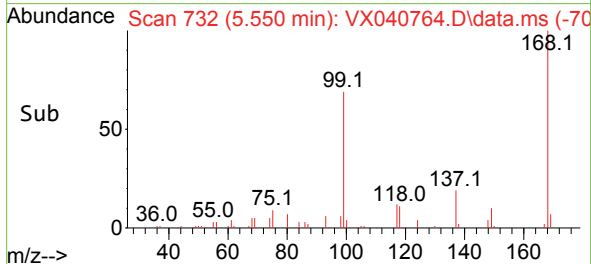
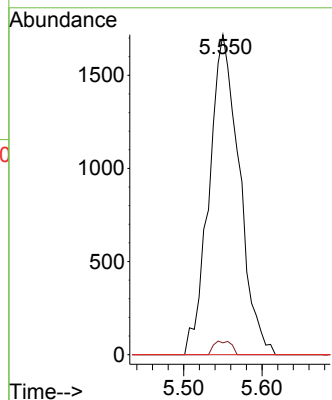


#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

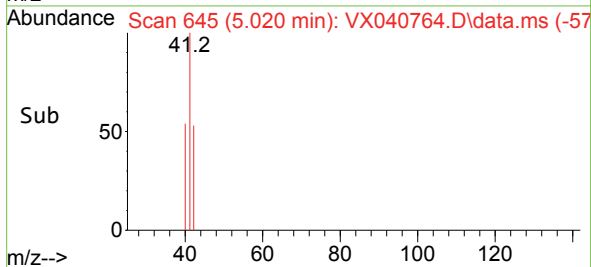
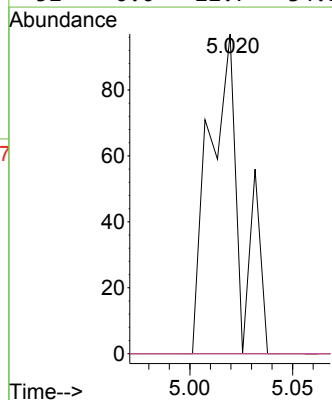
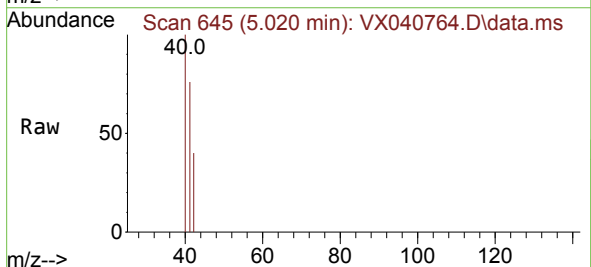


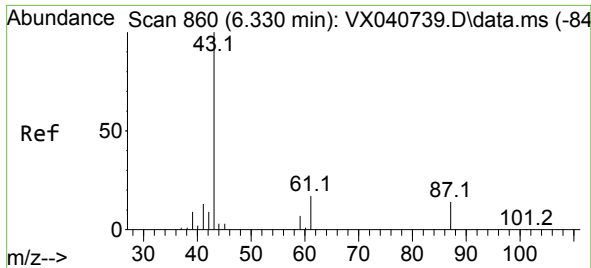
Tgt Ion:117 Resp: 4603
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.110 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 41 Resp: 104
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

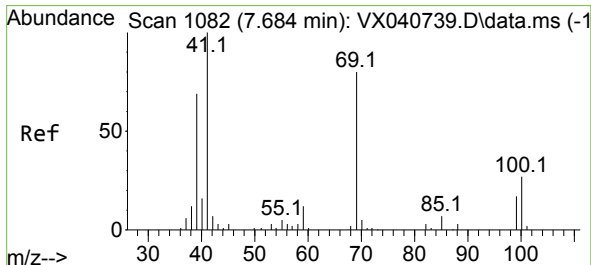
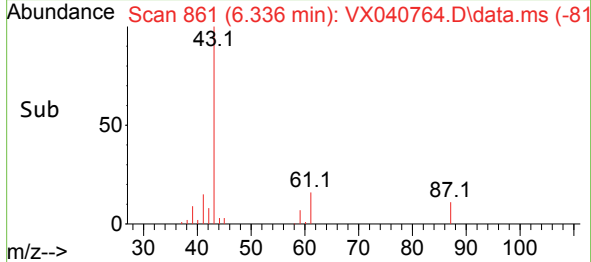
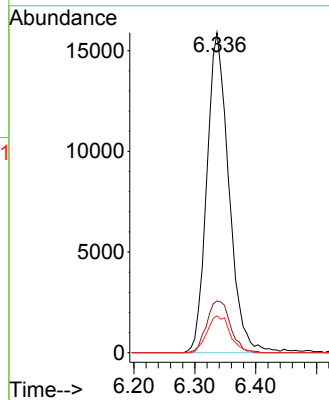
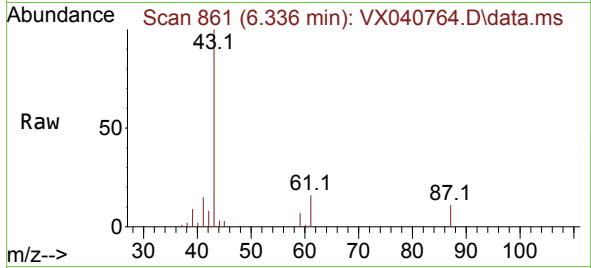




#43
Isopropyl Acetate
Concen: 26.995 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

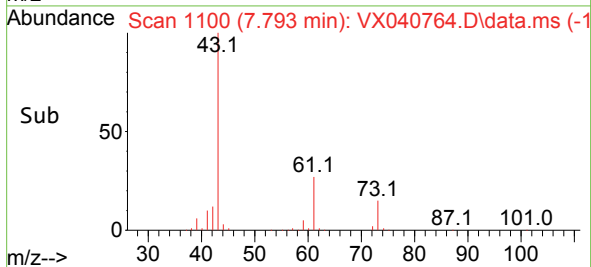
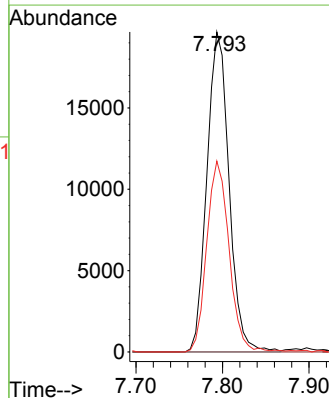
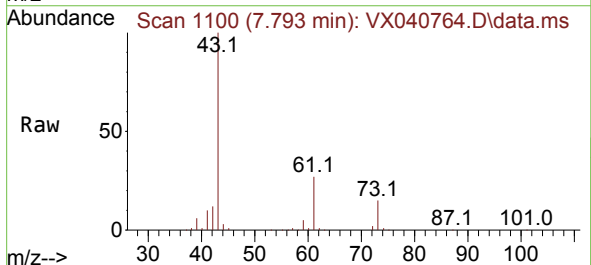
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

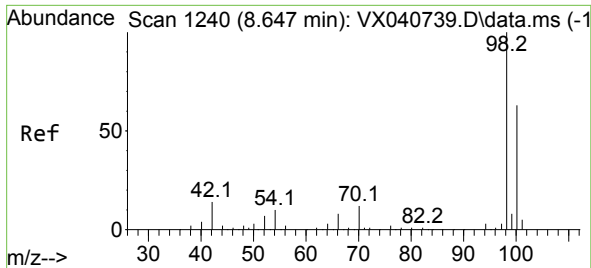
Tgt Ion: 43 Resp: 39871
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 12.0 9.8 14.6



#48
Methyl methacrylate
Concen: 51.685 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 41 Resp: 34890
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 60.4 47.7 71.5

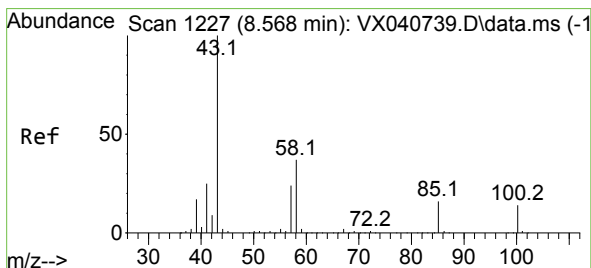
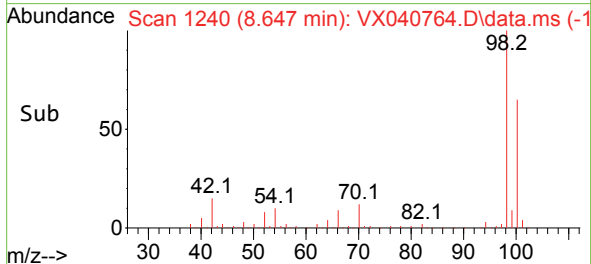
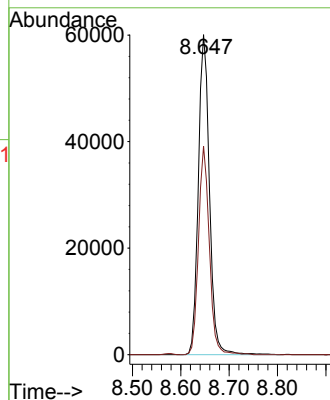
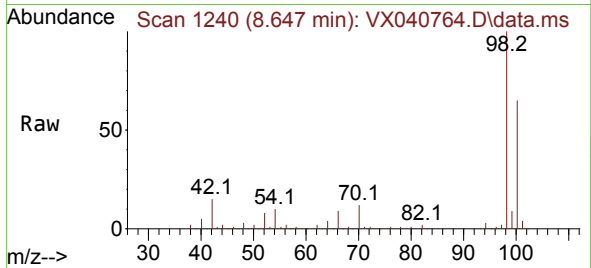




#50
Toluene-d8
Concen: 49.589 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

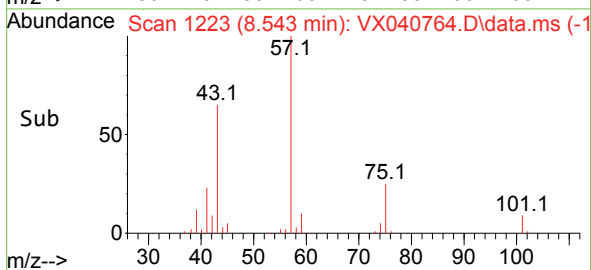
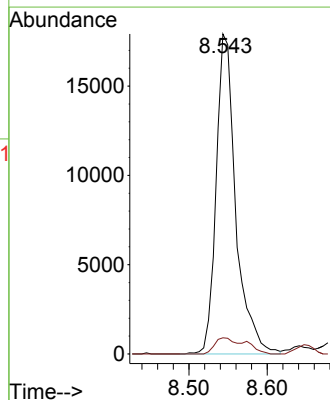
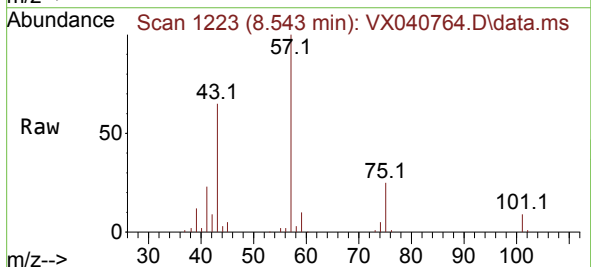
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#15

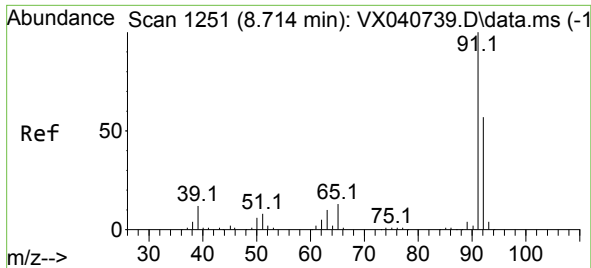
Tgt Ion: 98 Resp: 95518
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 34.075 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX040764.D
Acq: 21 Mar 2024 23:29

Tgt Ion: 43 Resp: 31211
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#





#52

Toluene

Concen: 0.268 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

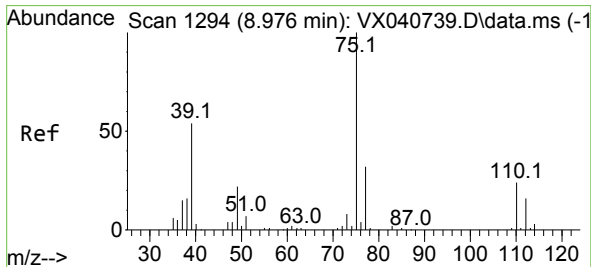
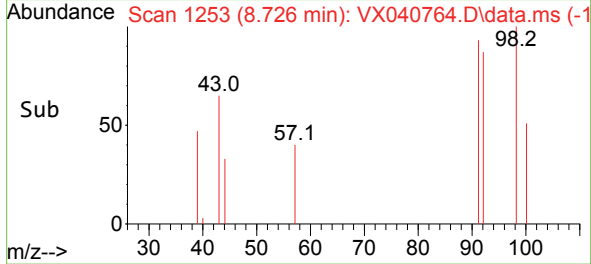
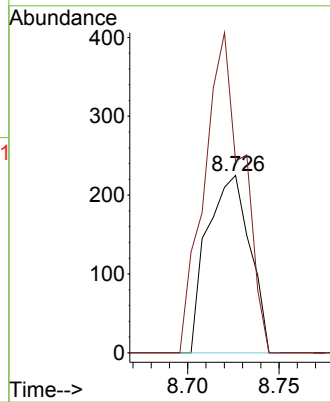
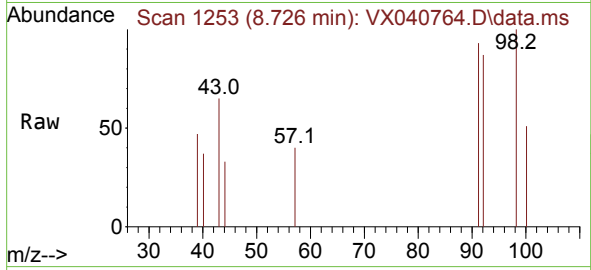
PB159677ZHE#15

Tgt Ion: 92 Resp: 365

Ion Ratio Lower Upper

92 100

91 162.5 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 0.243 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX040764.D

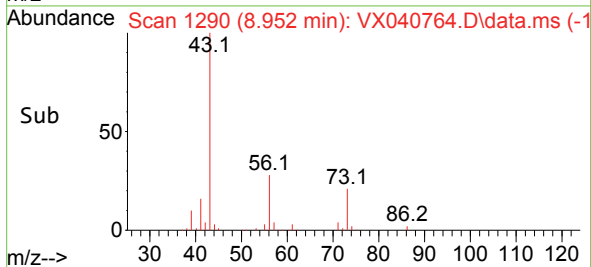
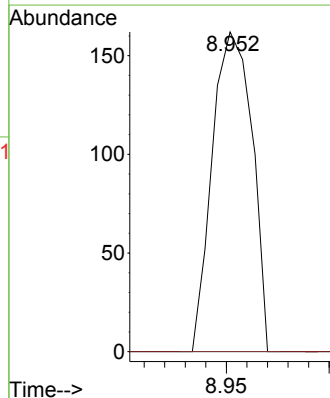
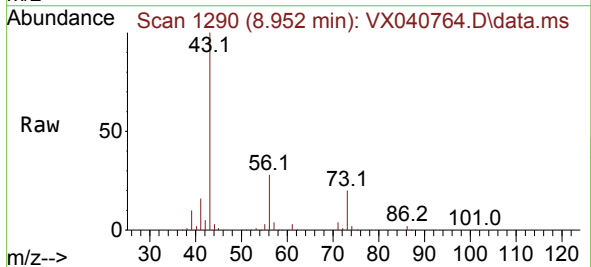
Acq: 21 Mar 2024 23:29

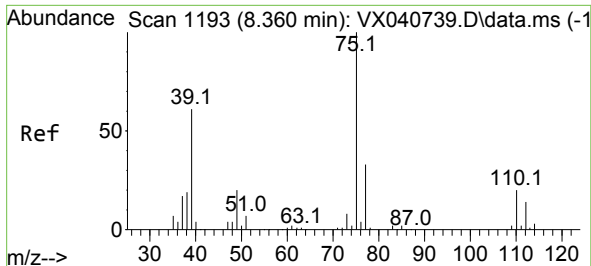
Tgt Ion: 75 Resp: 218

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

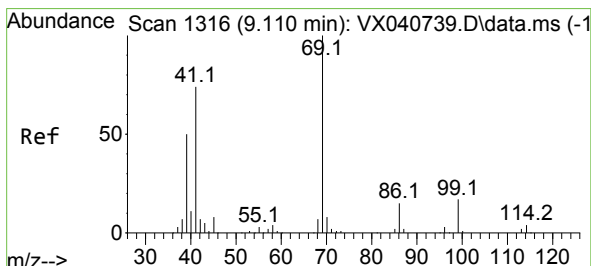
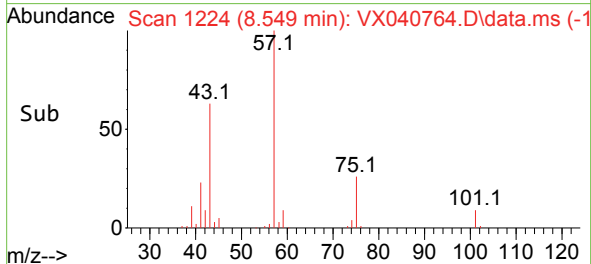
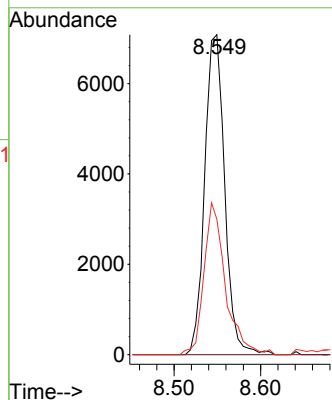
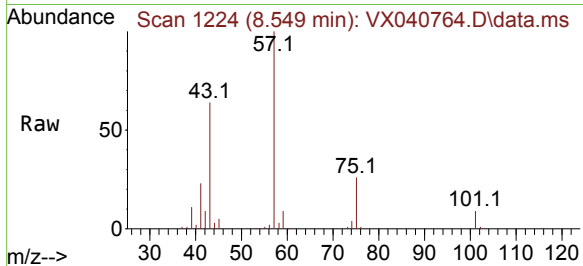




#54
 cis-1,3-Dichloropropene
 Concen: 12.237 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040764.D
 Acq: 21 Mar 2024 23:29

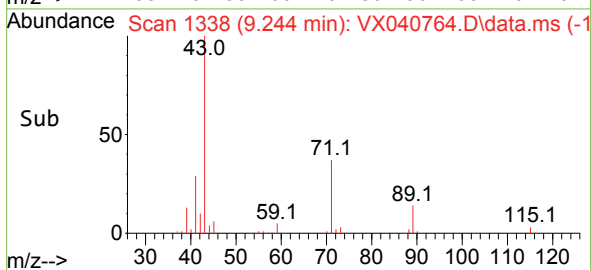
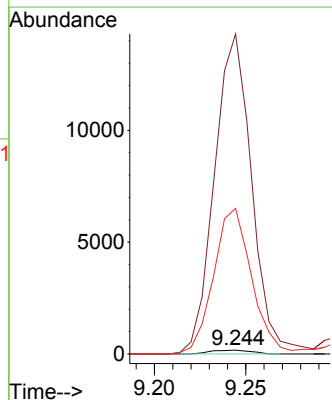
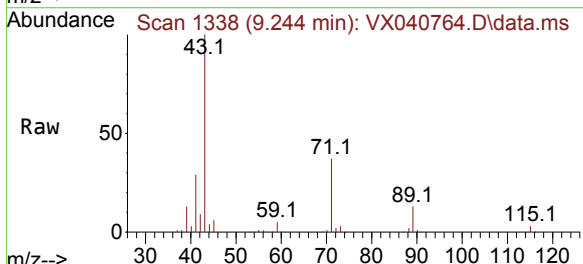
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#15

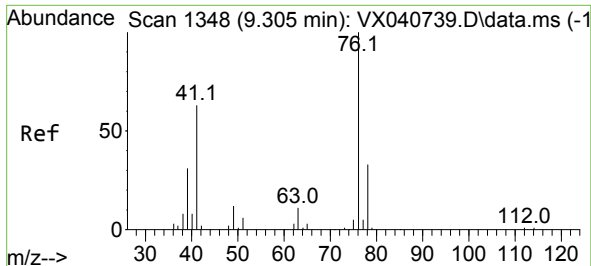
Tgt Ion: 75 Resp: 11369
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 42.4 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.279 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.134 min
 Lab File: VX040764.D
 Acq: 21 Mar 2024 23:29

Tgt Ion: 69 Resp: 259
 Ion Ratio Lower Upper
 69 100
 41 7874.5 56.8 85.2#
 39 3635.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.513 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

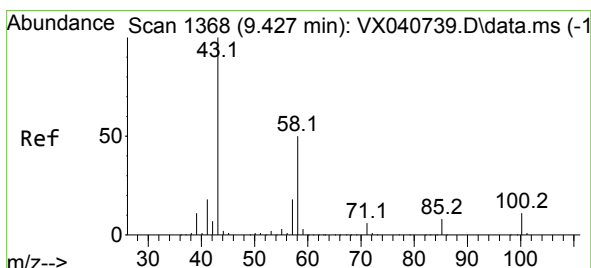
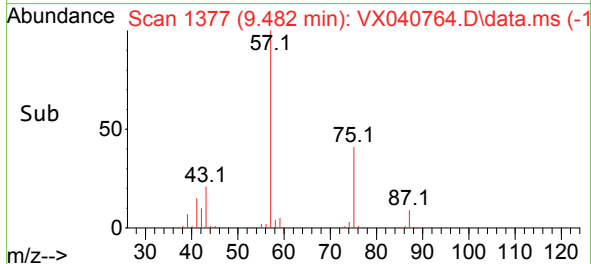
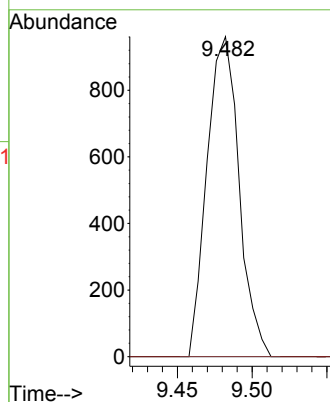
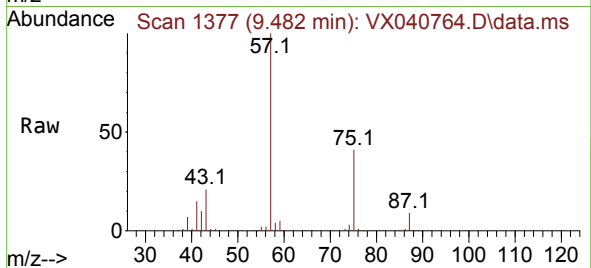
PB159677ZHE#15

Tgt Ion: 76 Resp: 1434

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 31.584 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040764.D

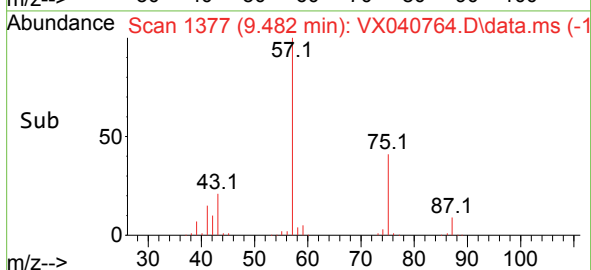
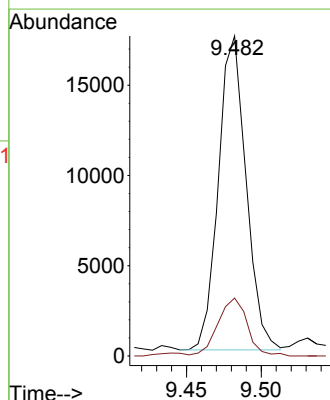
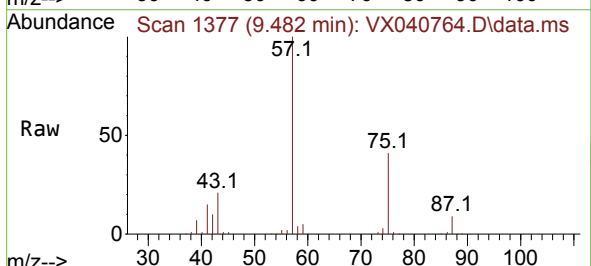
Acq: 21 Mar 2024 23:29

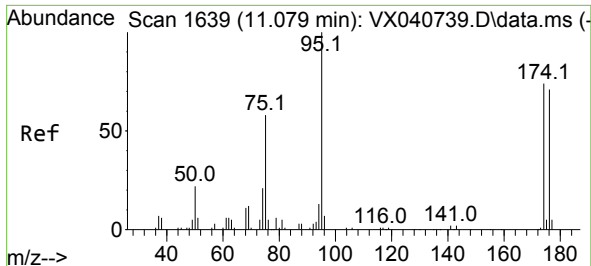
Tgt Ion: 43 Resp: 22410

Ion Ratio Lower Upper

43 100

58 19.5 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 44.354 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#15

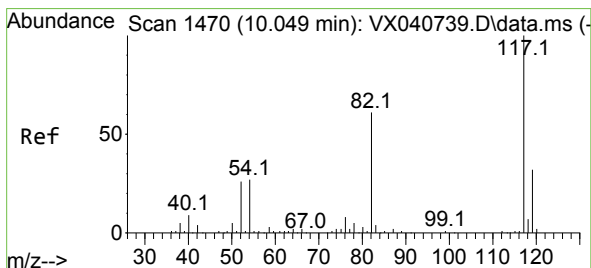
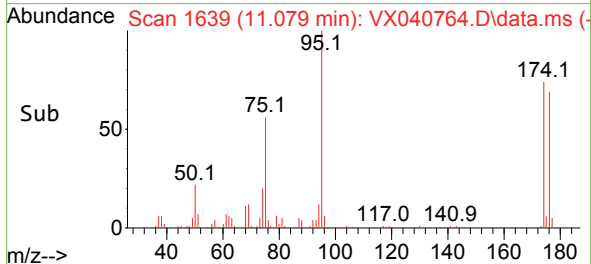
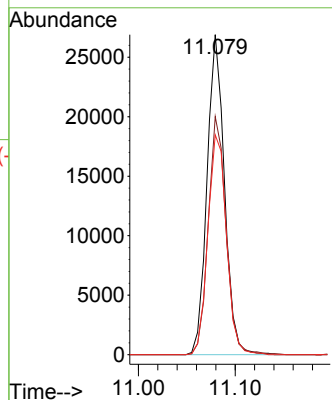
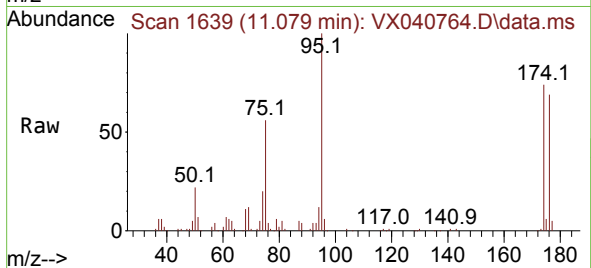
Tgt Ion: 95 Resp: 33754

Ion Ratio Lower Upper

95 100

174 75.9 0.0 135.6

176 73.4 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: VX040764.D

Acq: 21 Mar 2024 23:29

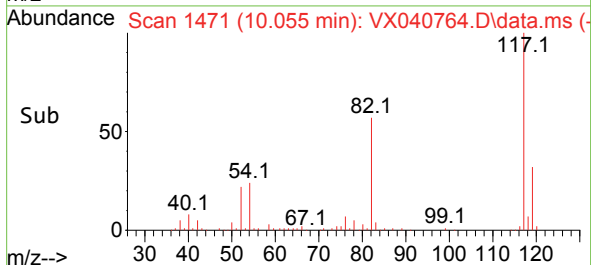
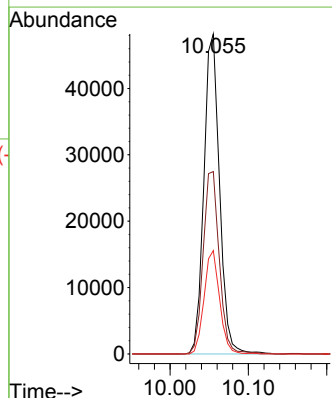
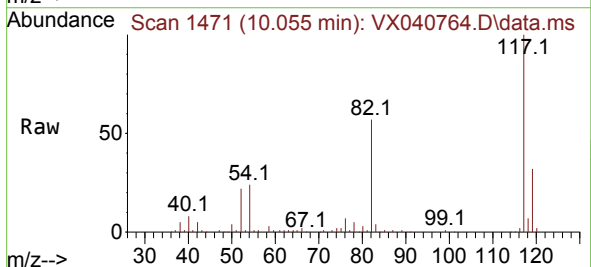
Tgt Ion: 117 Resp: 66787

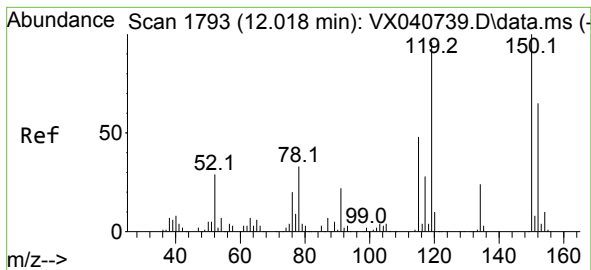
Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#15

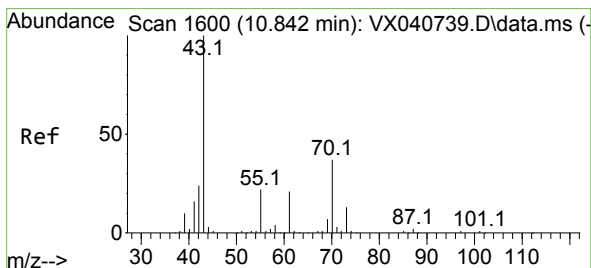
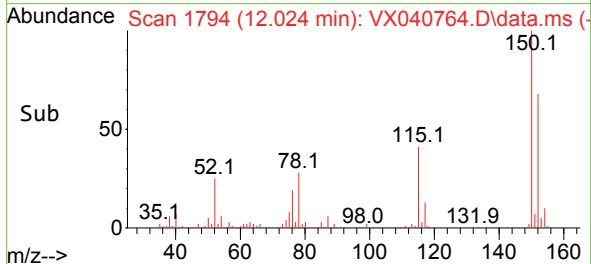
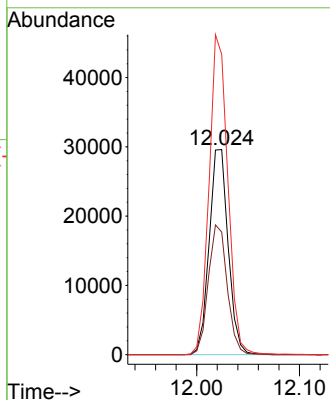
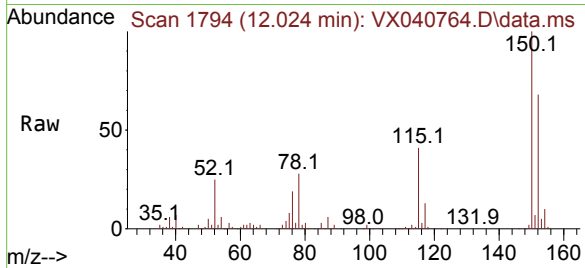
Tgt Ion:152 Resp: 38081

Ion Ratio Lower Upper

152 100

115 62.9 43.3 129.9

150 153.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.233 ug/l

RT: 10.811 min Scan# 1595

Delta R.T. -0.030 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Tgt Ion: 43 Resp: 331

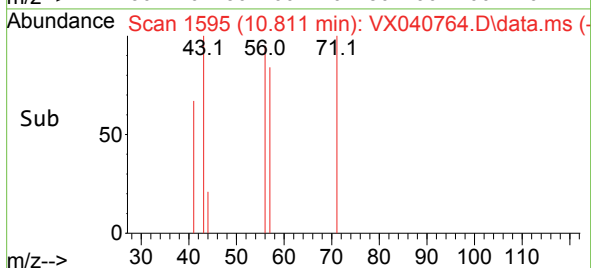
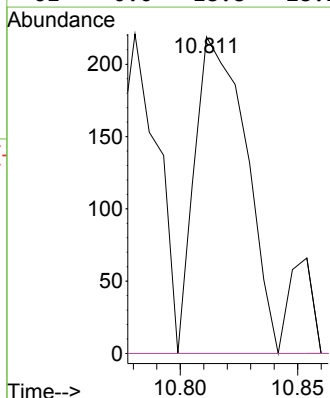
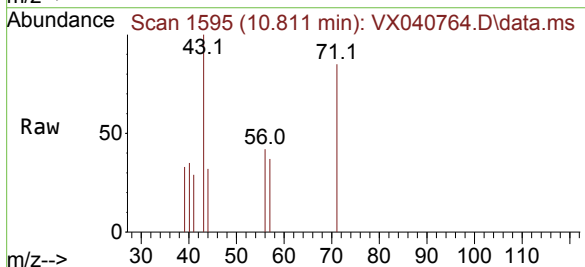
Ion Ratio Lower Upper

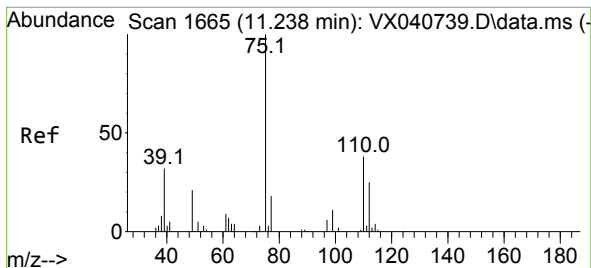
43 100

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: 23.427 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Instrument :

MSVOA_X

ClientSampleId :

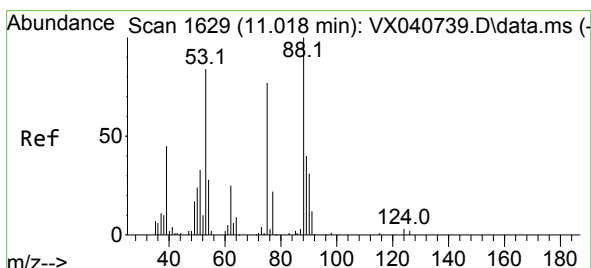
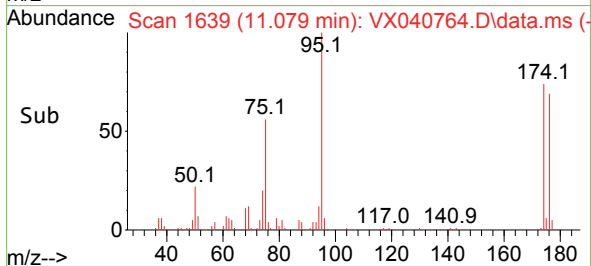
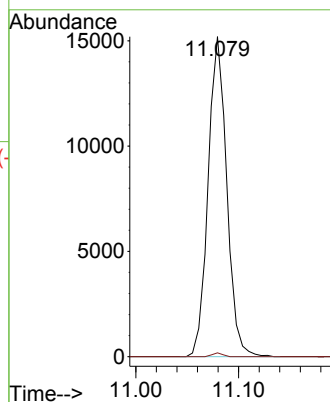
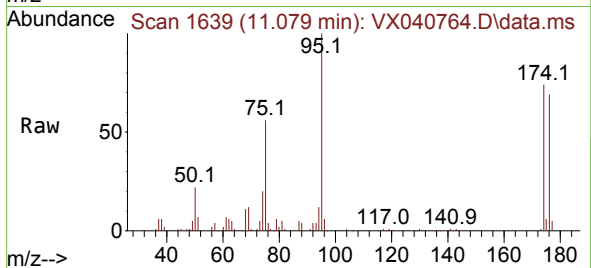
PB159677ZHE#15

Tgt Ion: 75 Resp: 19187

Ion Ratio Lower Upper

75 100

77 0.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.265 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040764.D

Acq: 21 Mar 2024 23:29

Tgt Ion: 75 Resp: 19187

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

