

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040754.D
 Acq On : 21 Mar 2024 19:40
 Operator : JC/MD
 Sample : PB159677ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#05

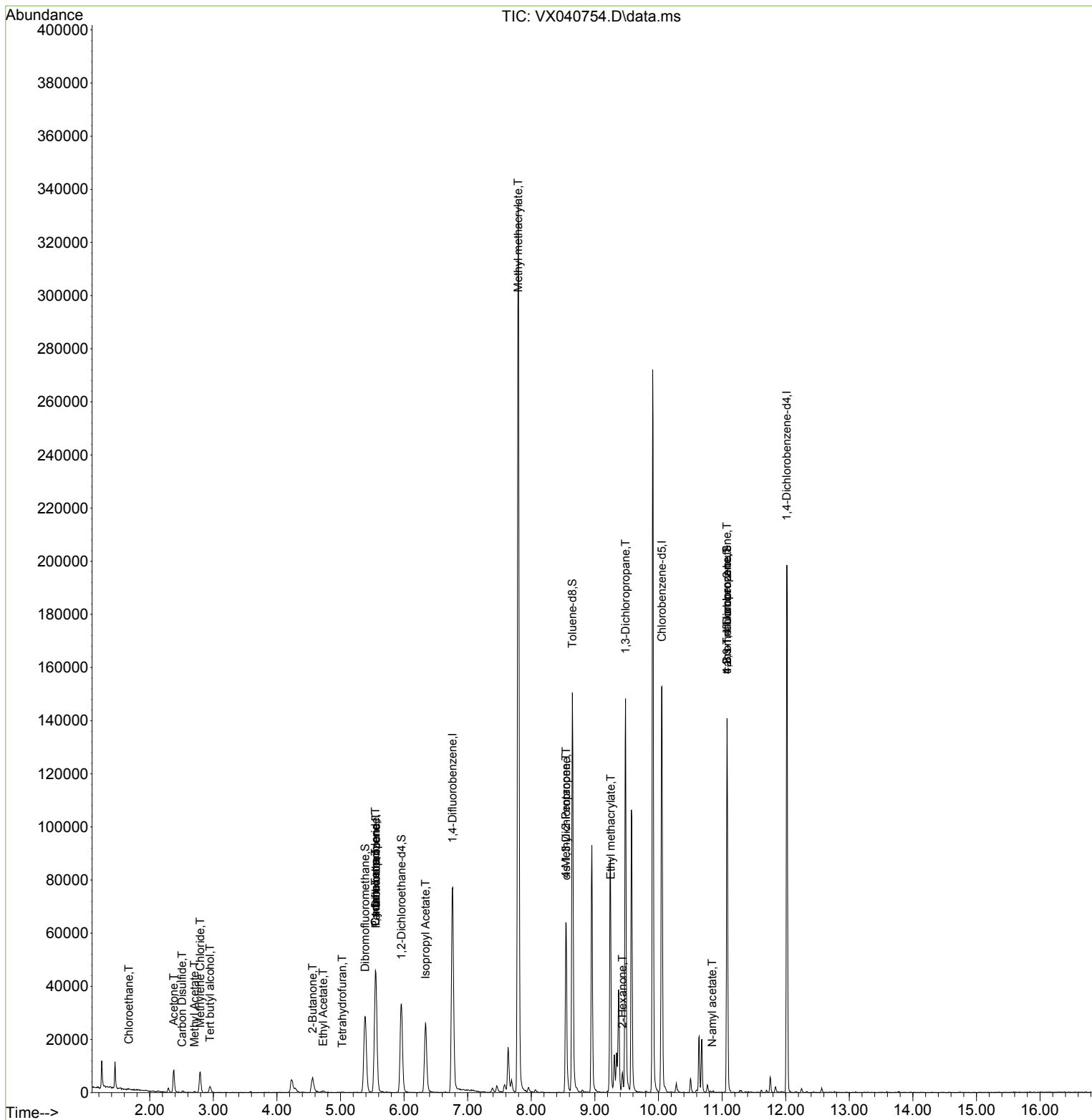
Quant Time: Mar 22 03:00:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

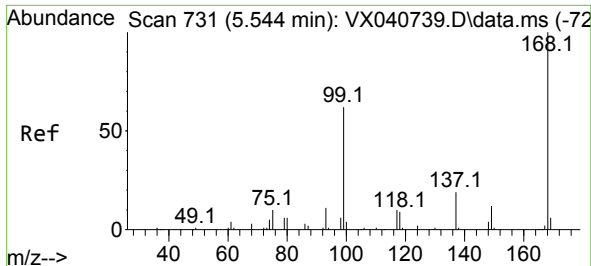
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	41063	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	74356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	66690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34034	49.292	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.580%		
35) Dibromofluoromethane	5.385	113	24791	44.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	8.647	98	84949	44.591	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.180%#		
62) 4-Bromofluorobenzene	11.079	95	34938	46.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.840%		
Target Compounds					Qvalue	
6) Chloroethane	1.672	64	123	0.340	ug/l #	43
11) Tert butyl alcohol	2.947	59	2297	20.775	ug/l	98
16) Acetone	2.380	43	9393	38.407	ug/l	97
17) Carbon Disulfide	2.508	76	330	0.237	ug/l #	76
18) Methyl Acetate	2.703	43	390	0.595	ug/l #	53
20) Methylene Chloride	2.794	84	3472	6.495	ug/l	94
25) 2-Butanone	4.562	43	10045	26.223	ug/l	94
29) Tetrahydrofuran	5.026	42	176	0.691	ug/l #	34
31) Cyclohexane	5.550	56	1066	1.299	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	3692	4.507	ug/l #	51
37) Ethyl Acetate	4.727	43	1350	1.451	ug/l #	69
38) Carbon Tetrachloride	5.550	117	4615	5.005	ug/l #	11
43) Isopropyl Acetate	6.336	43	36131	24.735	ug/l	98
48) Methyl methacrylate	7.793	41	31818	47.657	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	25045	27.647	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	9882	10.754	ug/l #	68
56) Ethyl methacrylate	9.250	69	216	0.235	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1338	1.427	ug/l #	42
59) 2-Hexanone	9.433	43	4757	6.779	ug/l	87
74) N-amyl acetate	10.848	43	292	0.212	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	20461	25.771	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20461	65.194	ug/l #	5

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

Quant Time: Mar 22 03:00:32 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

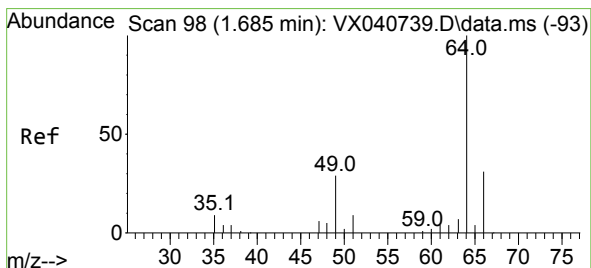
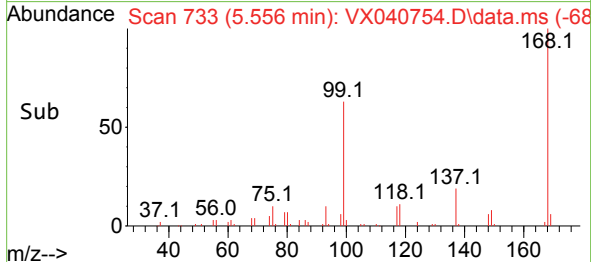
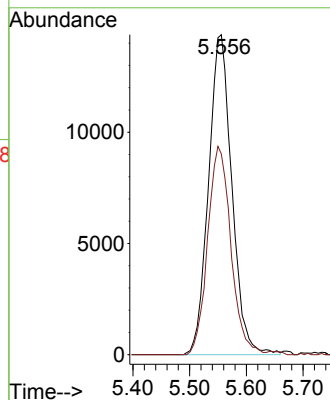
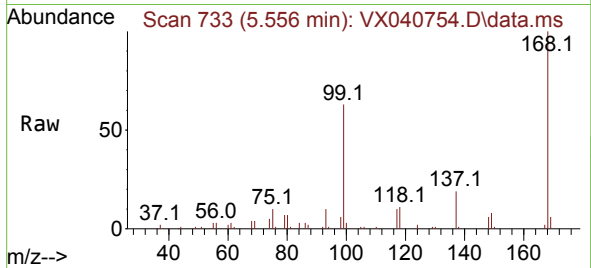




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

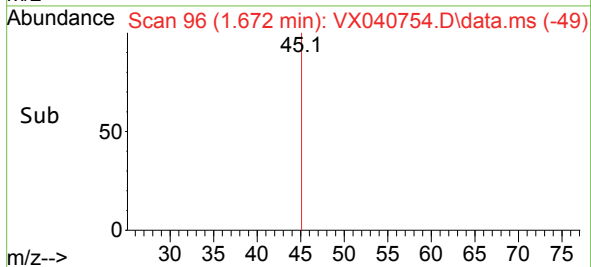
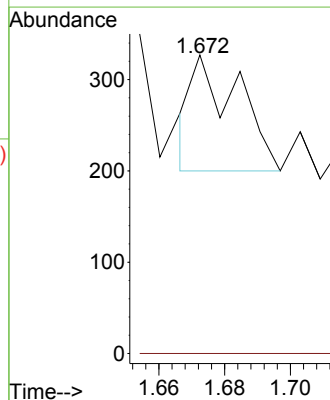
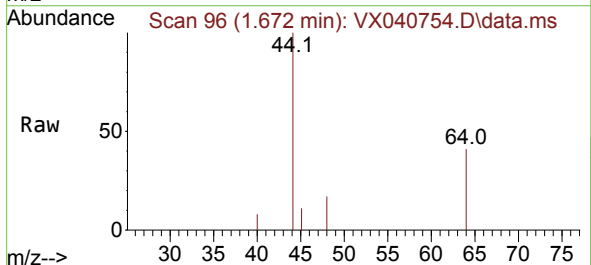
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#05

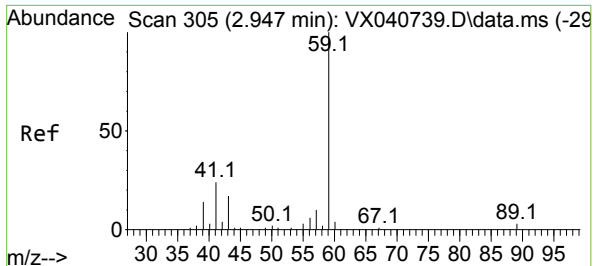
Tgt Ion:168 Resp: 41063
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#6
Chloroethane
Concen: 0.340 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 20.775 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.000 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

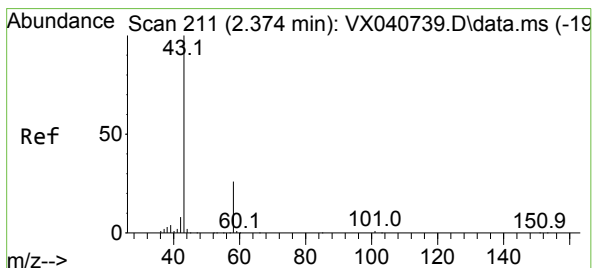
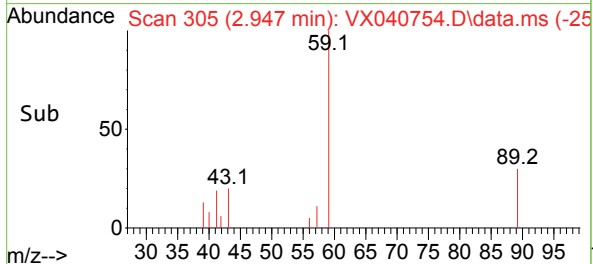
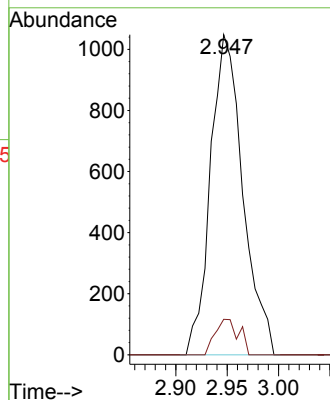
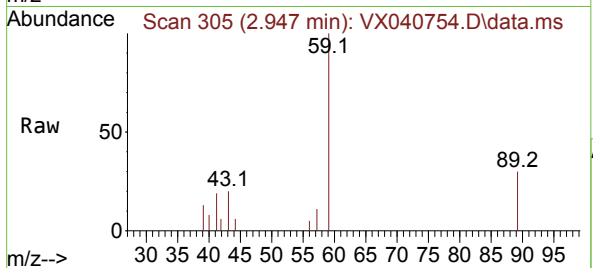
PB159677ZHE#05

Tgt Ion: 59 Resp: 2297

Ion Ratio Lower Upper

59 100

57 8.1 6.0 9.0



#16

Acetone

Concen: 38.407 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040754.D

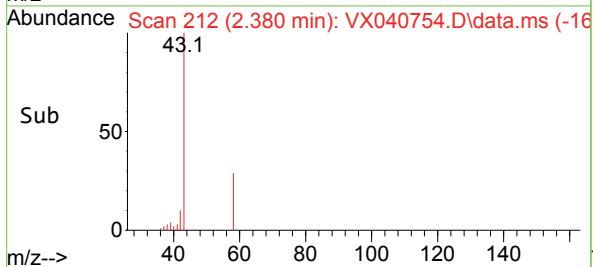
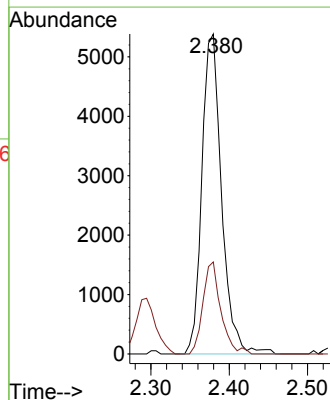
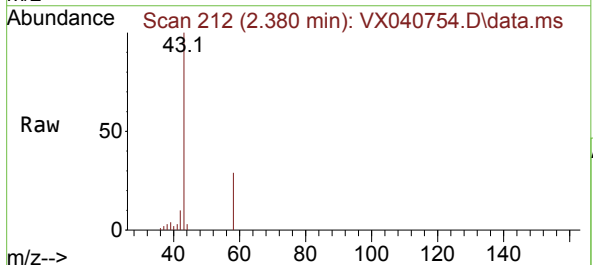
Acq: 21 Mar 2024 19:40

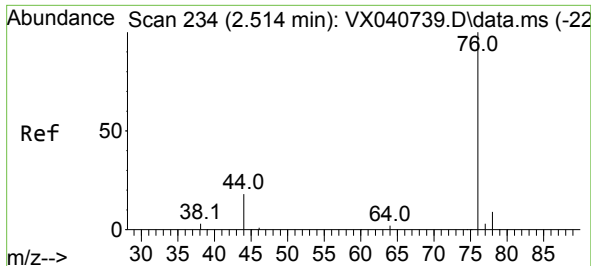
Tgt Ion: 43 Resp: 9393

Ion Ratio Lower Upper

43 100

58 28.7 21.9 32.9

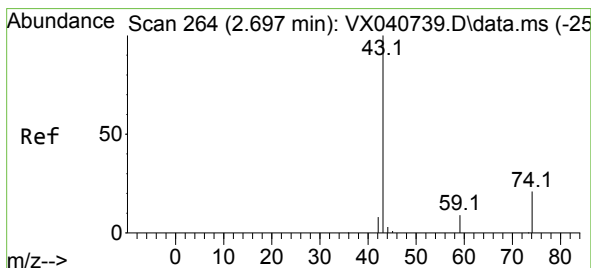
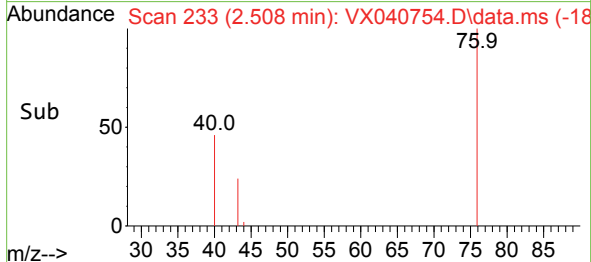
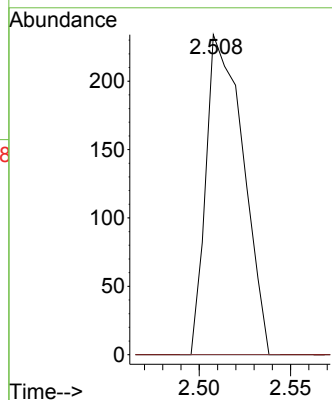
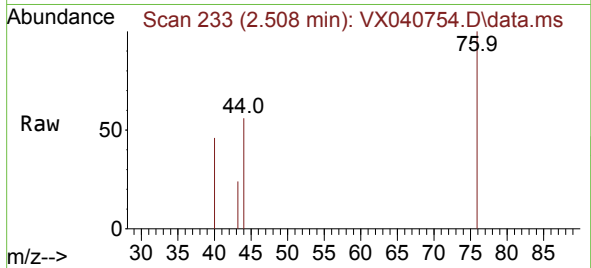




#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

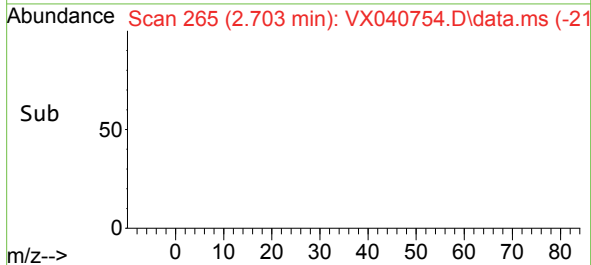
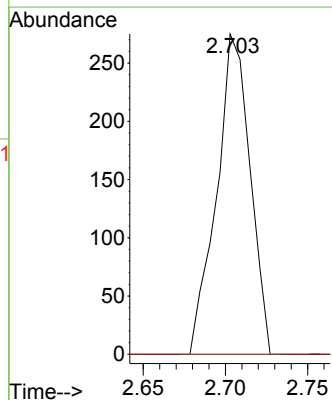
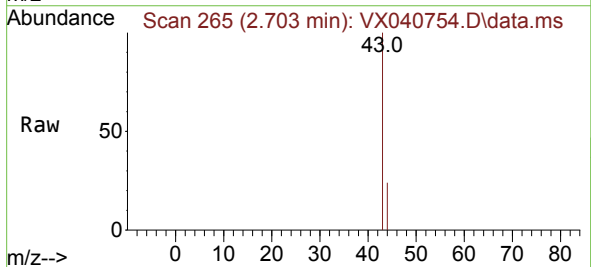
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#05

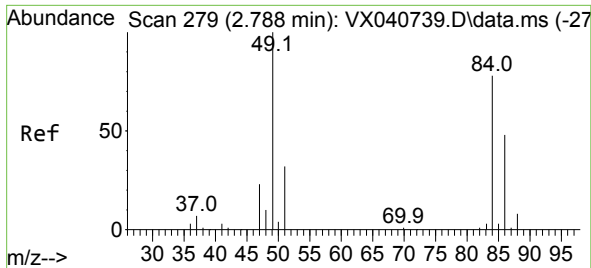
Tgt Ion: 76 Resp: 330
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.595 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

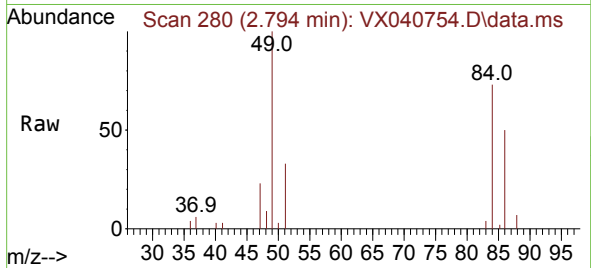
Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



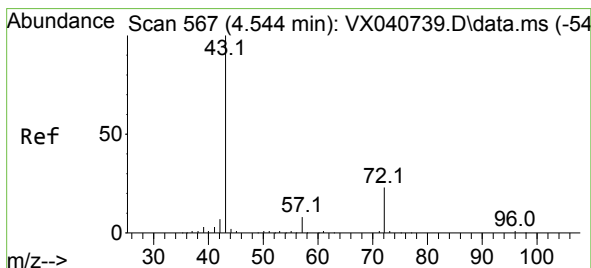
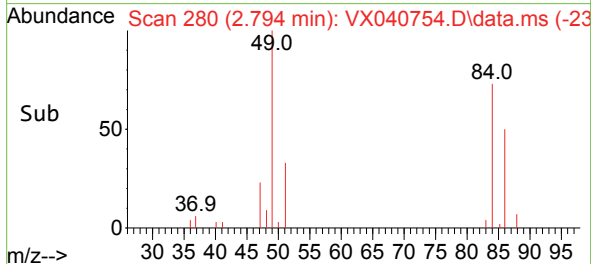
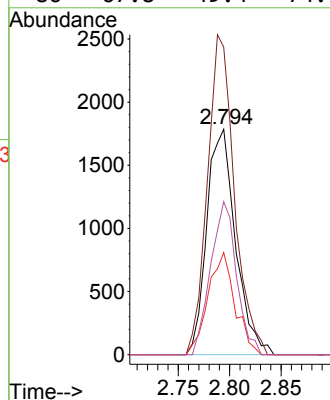


#20
Methylene Chloride
Concen: 6.495 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#05

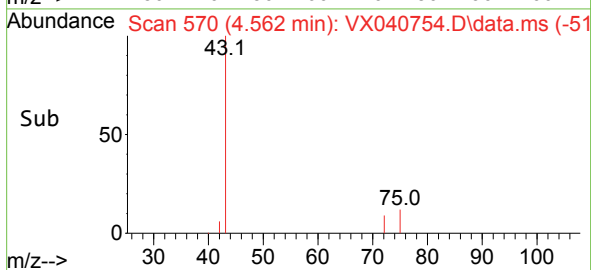
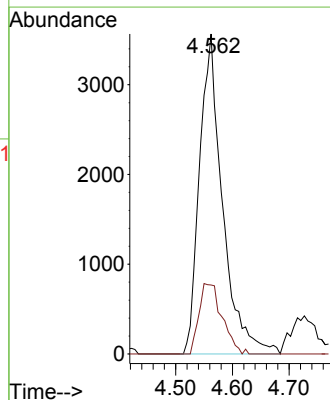
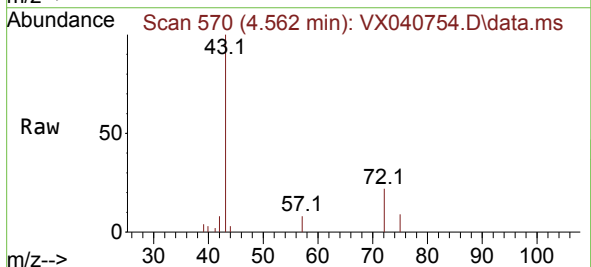


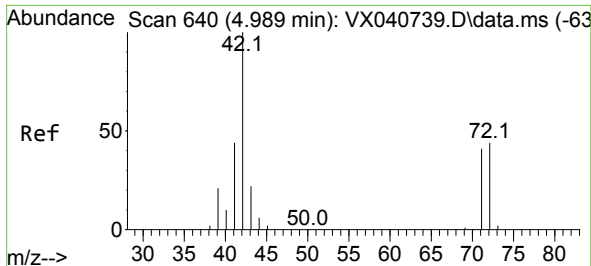
Tgt Ion: 84	Resp: 3472
Ion Ratio	Lower Upper
84 100	
49 136.4	103.6 155.4
51 45.3	33.8 50.6
86 67.8	49.4 74.0



#25
2-Butanone
Concen: 26.223 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

Tgt Ion: 43	Resp: 10045		
Ion Ratio	Lower	Upper	
43	100		
72	21.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.691 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#05

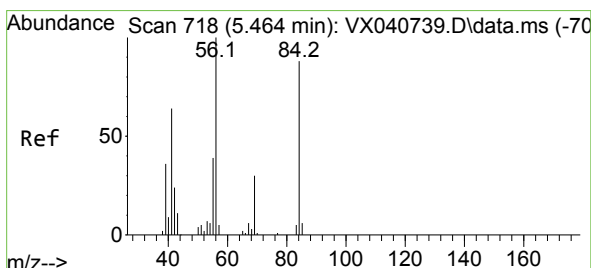
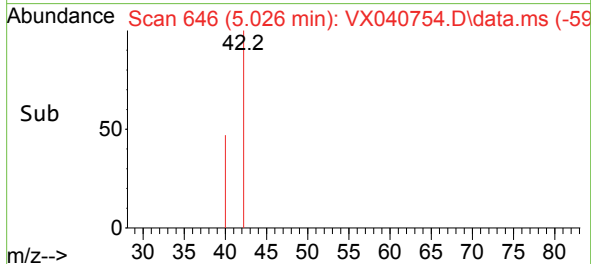
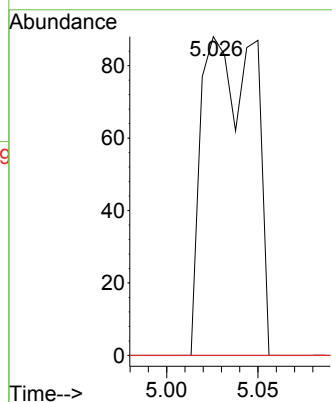
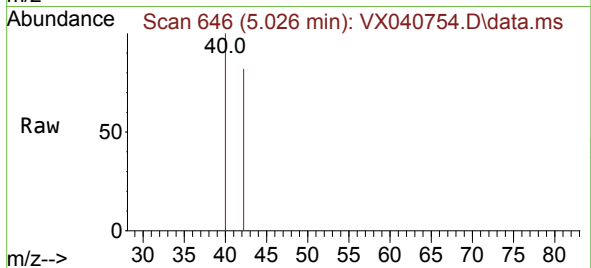
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

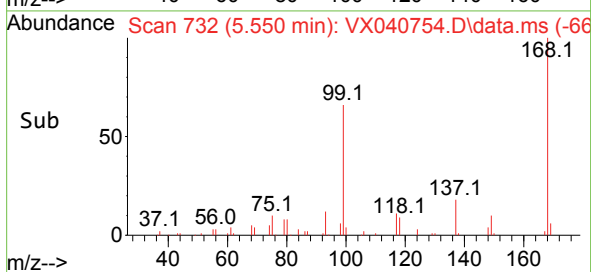
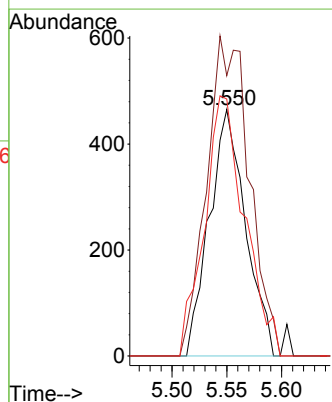
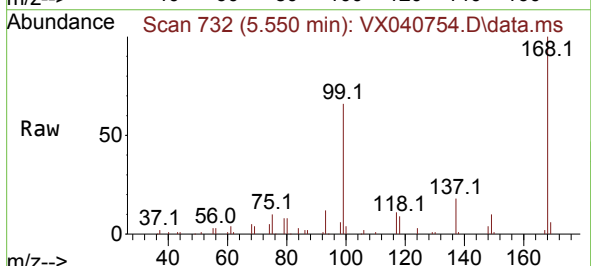
Tgt Ion: 56 Resp: 1066

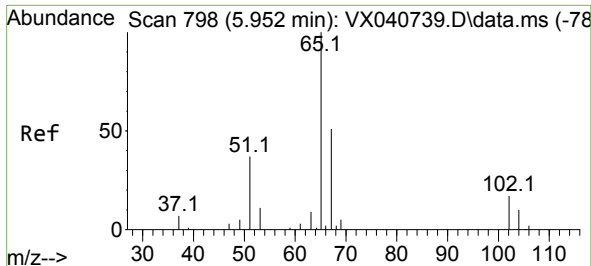
Ion Ratio Lower Upper

56 100

69 113.8 23.4 35.2#

84 104.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.292 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

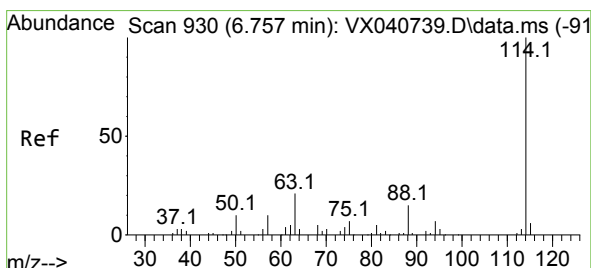
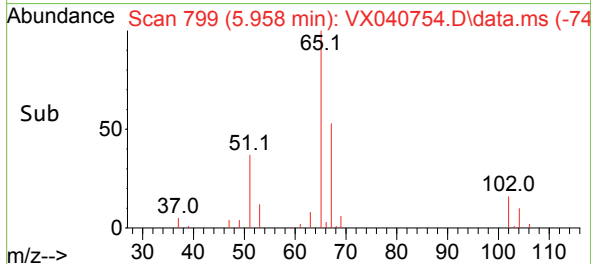
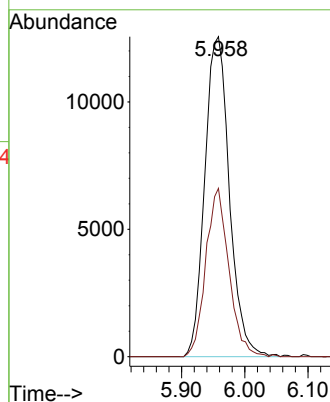
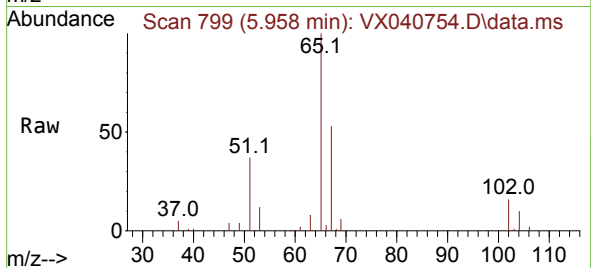
PB159677ZHE#05

Tgt Ion: 65 Resp: 34034

Ion Ratio Lower Upper

65 100

67 49.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

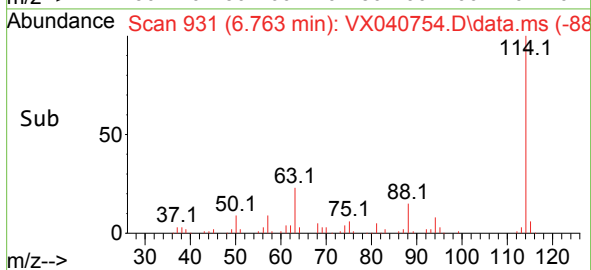
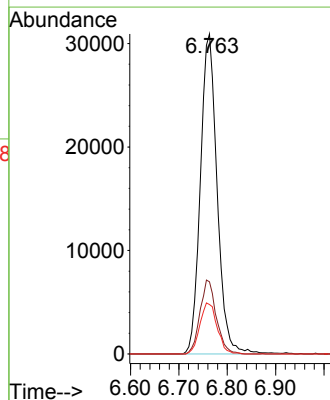
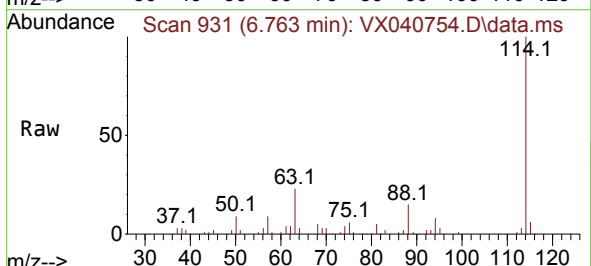
Tgt Ion: 114 Resp: 74356

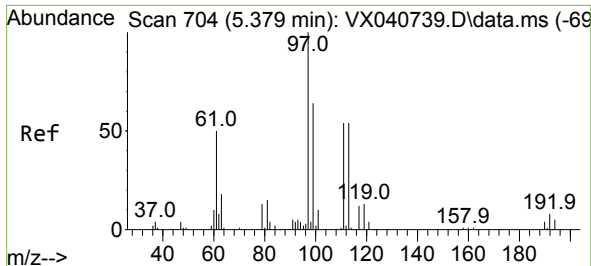
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 15.4 0.0 36.6

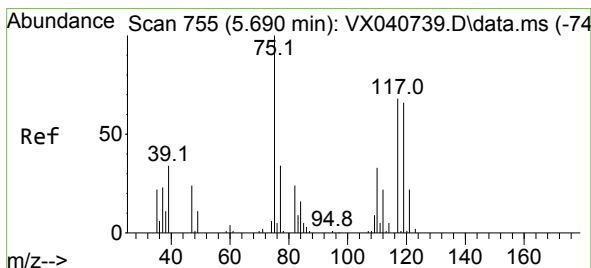
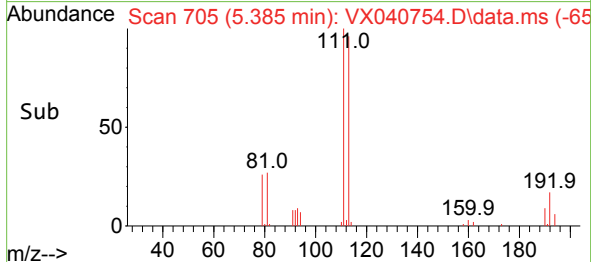
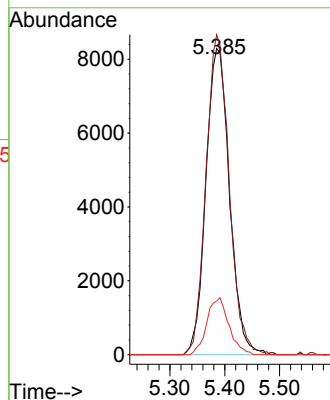
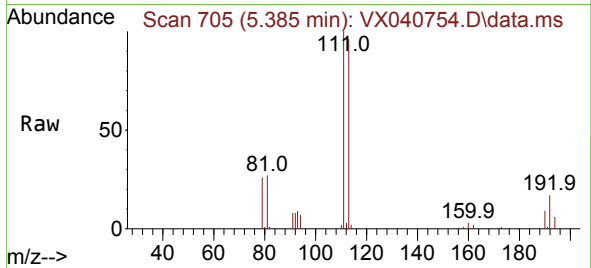




#35
 Dibromofluoromethane
 Concen: 44.558 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX040754.D
 Acq: 21 Mar 2024 19:40

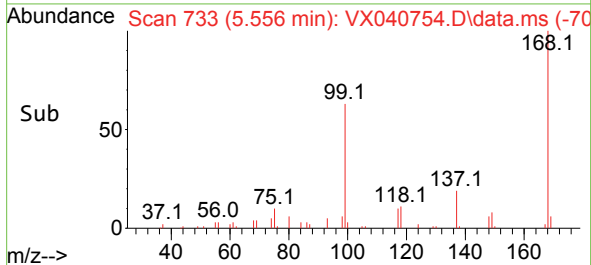
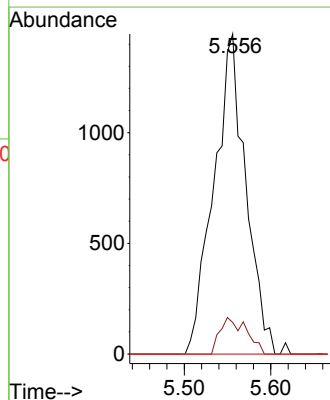
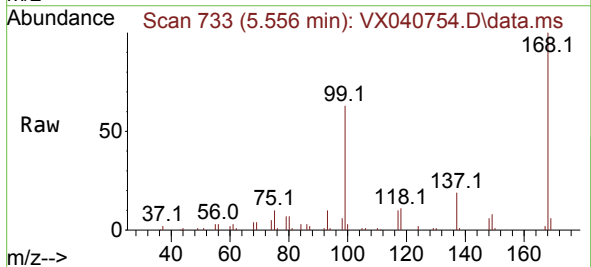
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#05

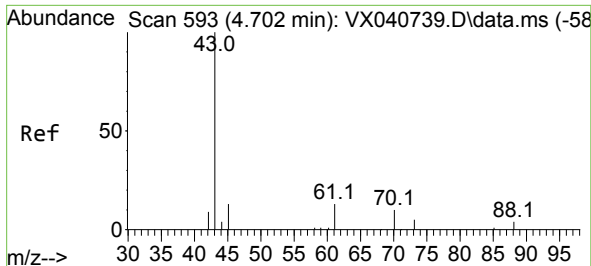
Tgt Ion:113 Resp: 24791
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 17.3 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.507 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.134 min
 Lab File: VX040754.D
 Acq: 21 Mar 2024 19:40

Tgt Ion: 75 Resp: 3692
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 50.9#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.451 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.024 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#05

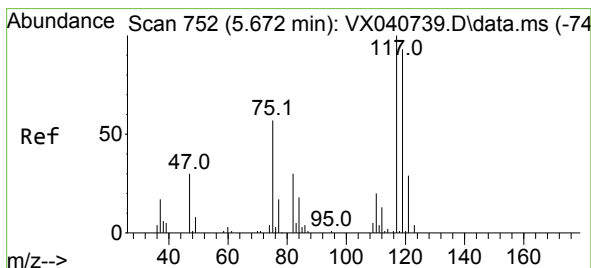
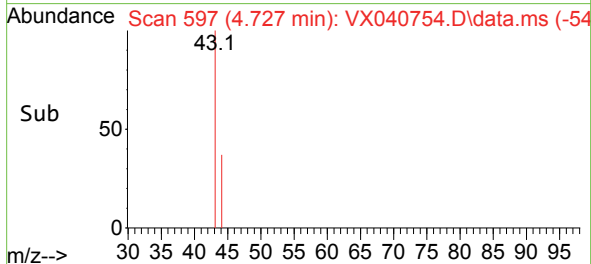
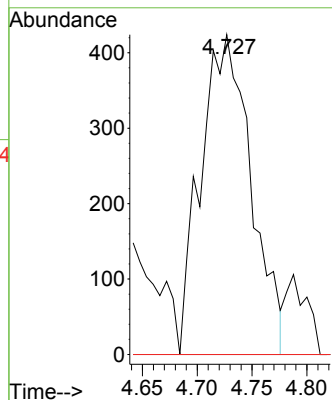
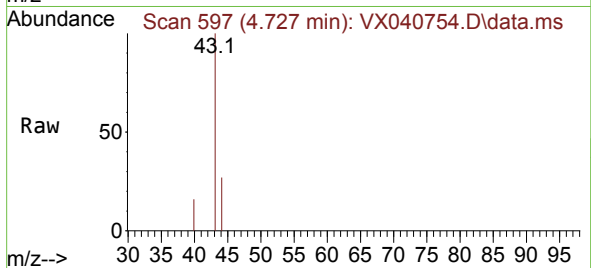
Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.005 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

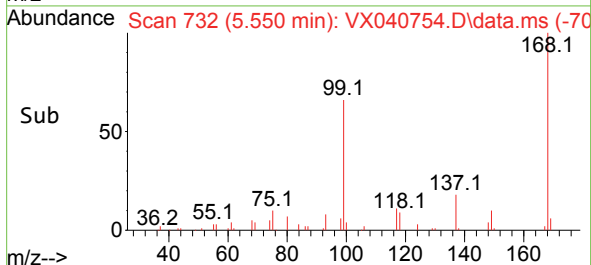
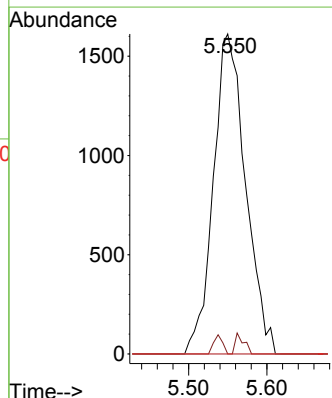
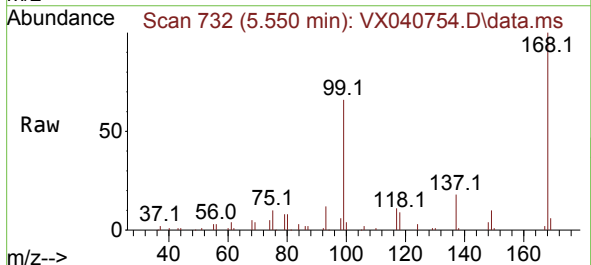
Tgt Ion: 117 Resp: 4615

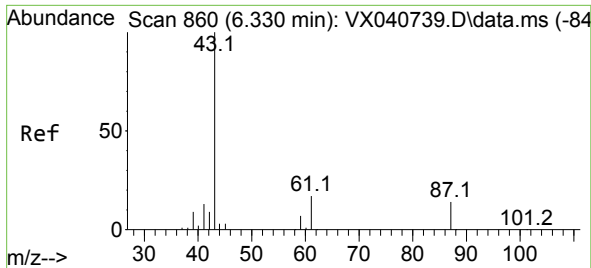
Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

121 0.0 24.4 36.6#

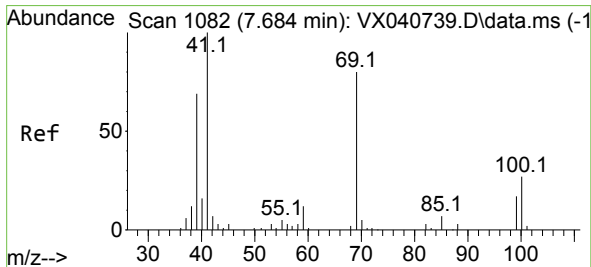
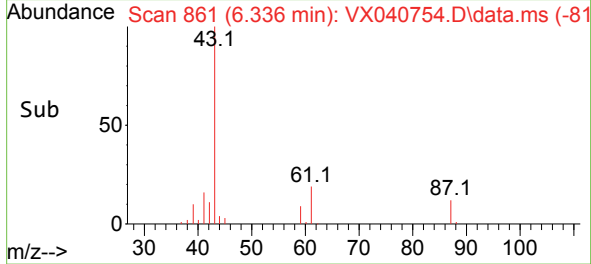
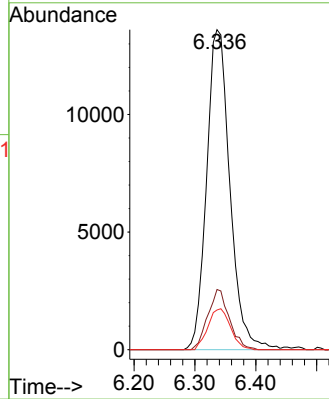
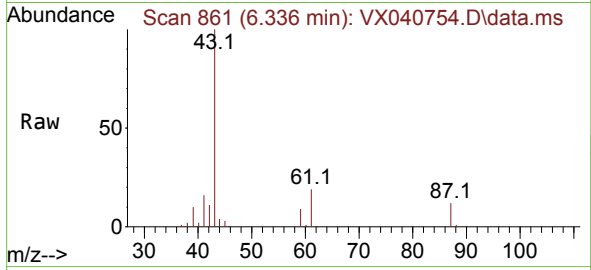




#43
Isopropyl Acetate
Concen: 24.735 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

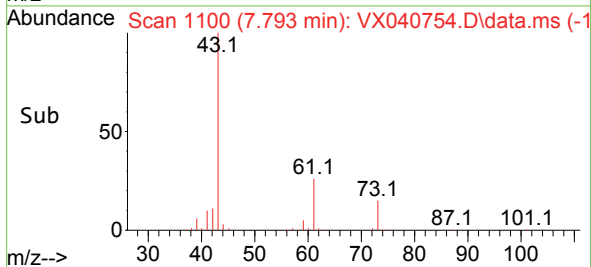
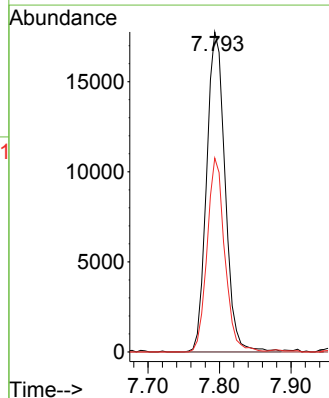
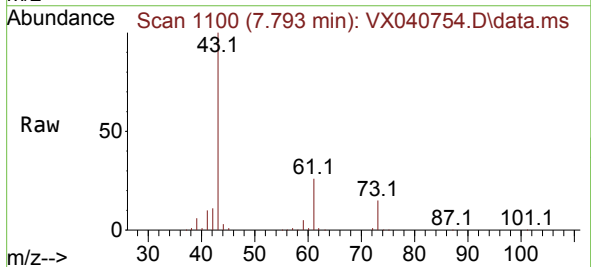
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#05

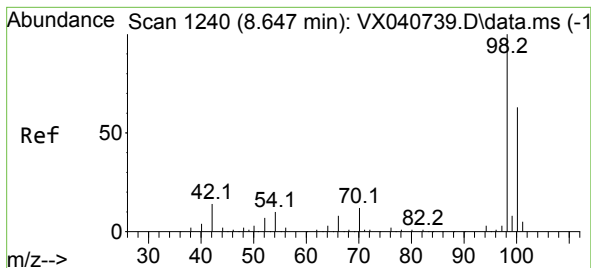
Tgt Ion:	43	Resp:	36131
Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.2	22.8
87	12.4	9.8	14.6



#48
Methyl methacrylate
Concen: 47.657 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

Tgt Ion:	41	Resp:	31818
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	57.9	47.7	71.5





#50

Toluene-d8

Concen: 44.591 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

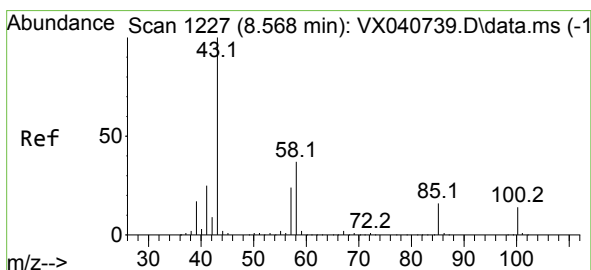
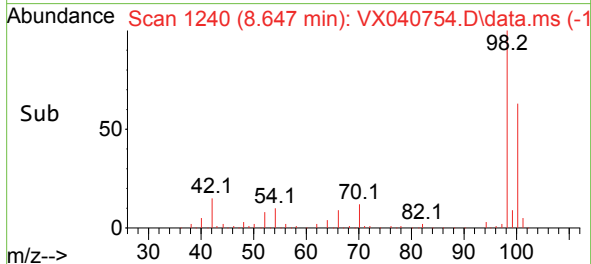
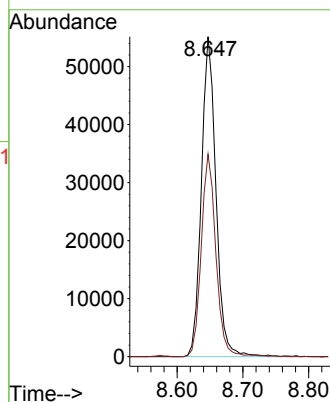
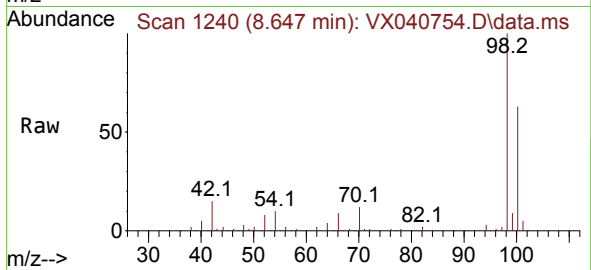
PB159677ZHE#05

Tgt Ion: 98 Resp: 84949

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 27.647 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.024 min

Lab File: VX040754.D

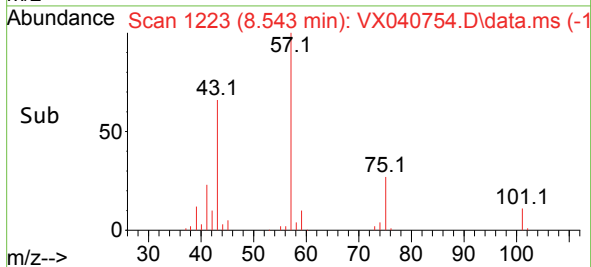
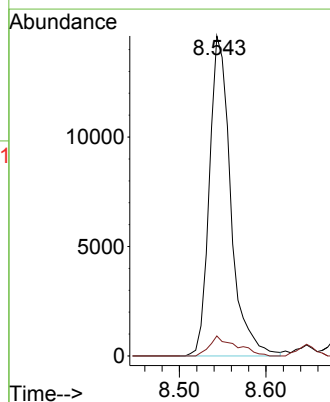
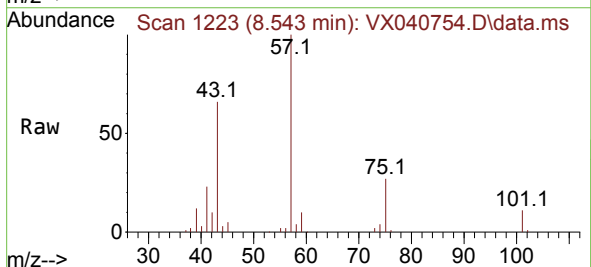
Acq: 21 Mar 2024 19:40

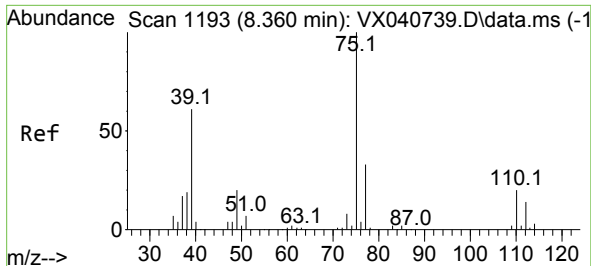
Tgt Ion: 43 Resp: 25045

Ion Ratio Lower Upper

43 100

58 7.7 30.4 45.6#

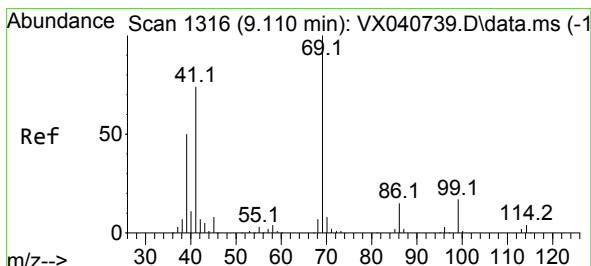
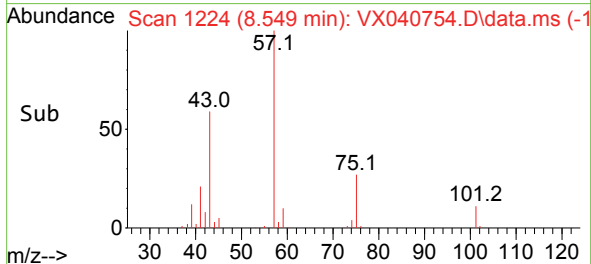
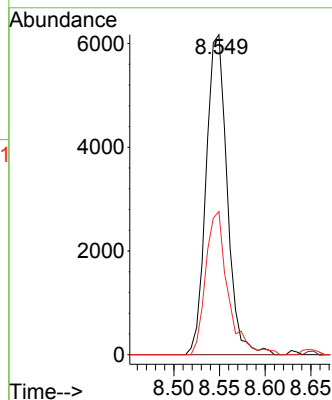
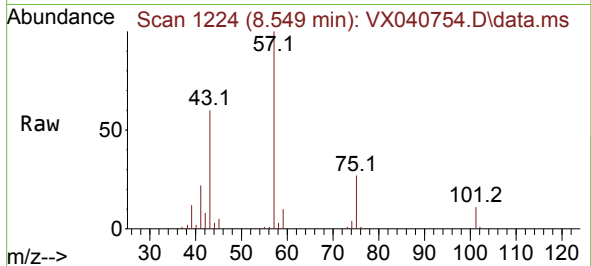




#54
 cis-1,3-Dichloropropene
 Concen: 10.754 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040754.D
 Acq: 21 Mar 2024 19:40

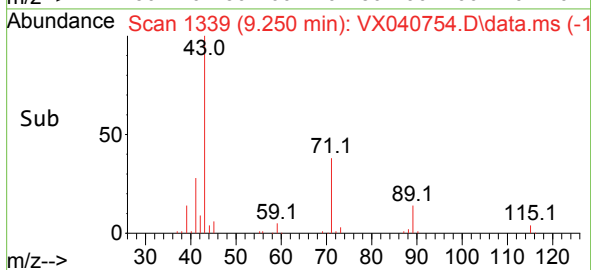
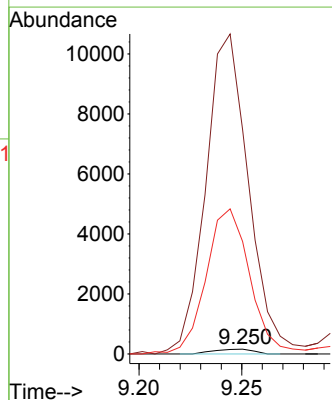
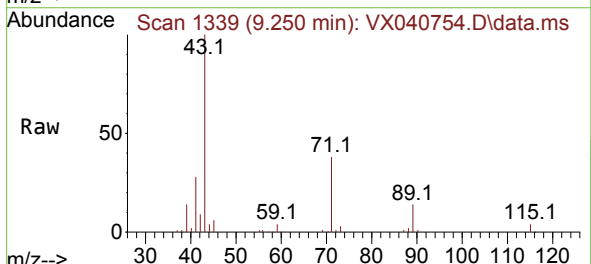
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#05

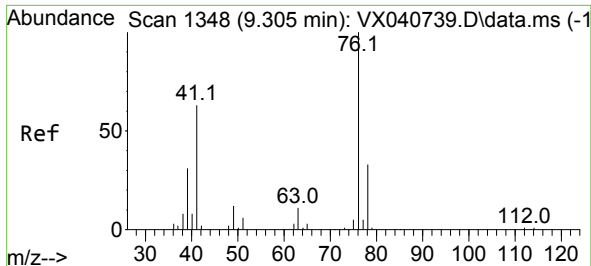
Tgt Ion: 75 Resp: 9882
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 44.7 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.235 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.140 min
 Lab File: VX040754.D
 Acq: 21 Mar 2024 19:40

Tgt Ion: 69 Resp: 216
 Ion Ratio Lower Upper
 69 100
 41 7203.7 56.8 85.2#
 39 3329.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.427 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

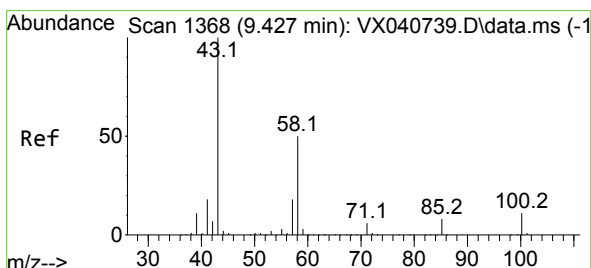
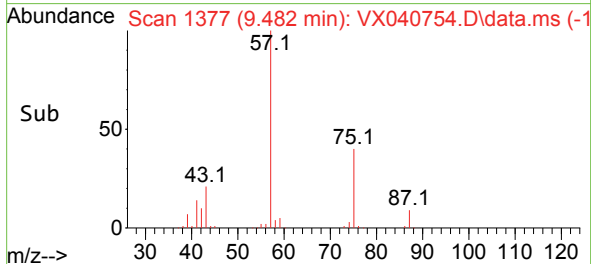
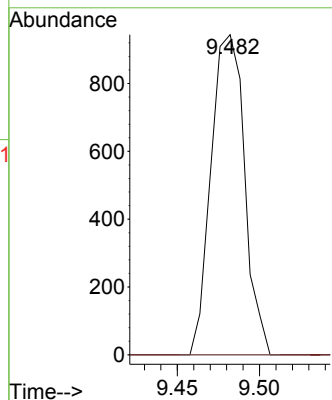
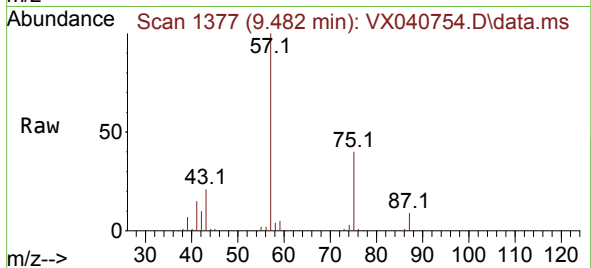
PB159677ZHE#05

Tgt Ion: 76 Resp: 1338

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 6.779 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX040754.D

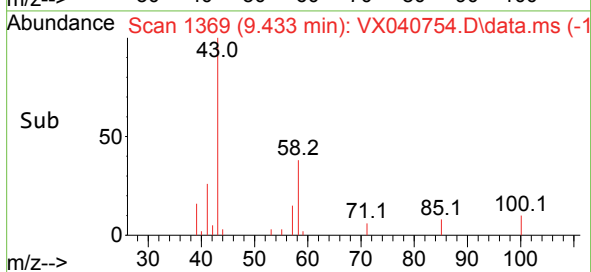
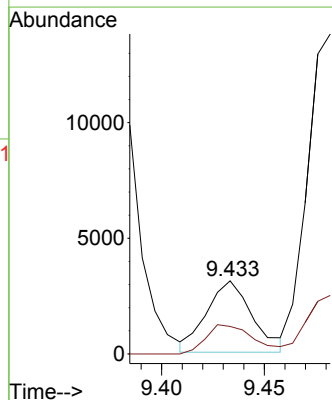
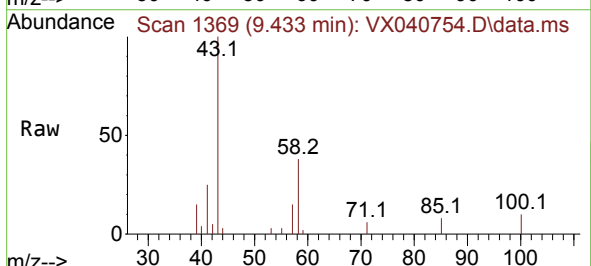
Acq: 21 Mar 2024 19:40

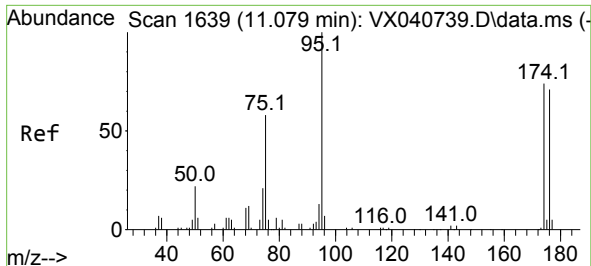
Tgt Ion: 43 Resp: 4757

Ion Ratio Lower Upper

43 100

58 43.2 26.2 78.5

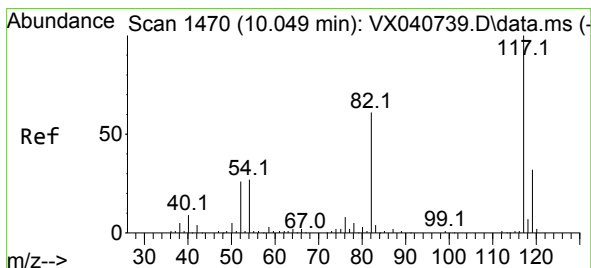
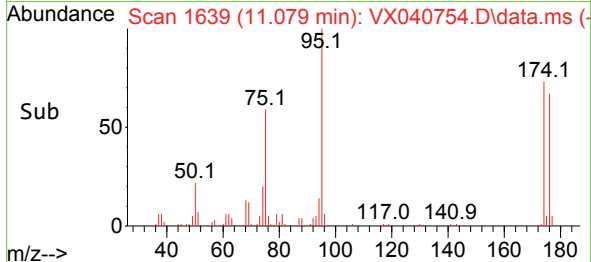
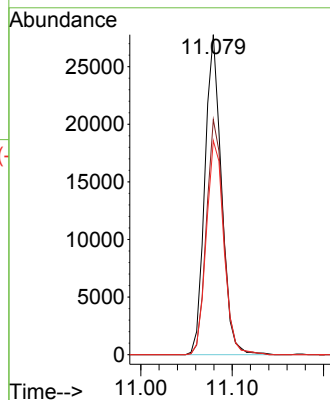
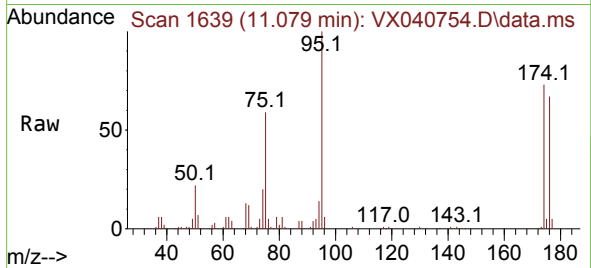




#62
4-Bromofluorobenzene
Concen: 46.419 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

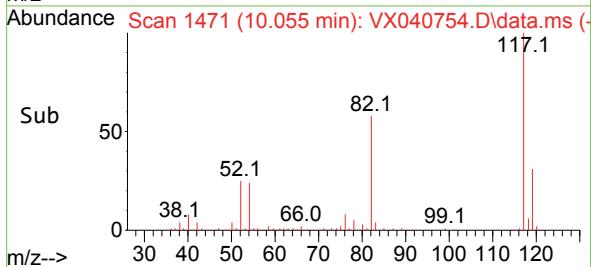
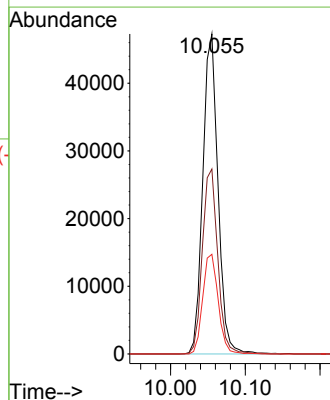
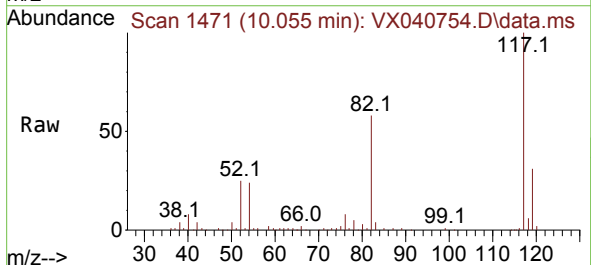
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#05

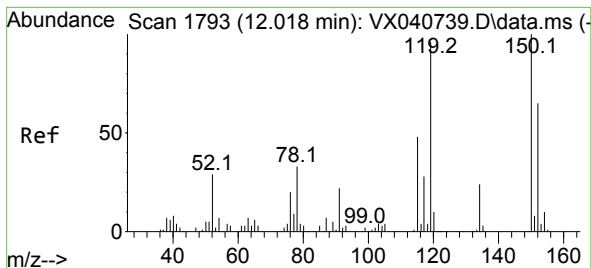
Tgt Ion: 95 Resp: 34938
Ion Ratio Lower Upper
95 100
174 76.2 0.0 135.6
176 70.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040754.D
Acq: 21 Mar 2024 19:40

Tgt Ion: 117 Resp: 66690
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 31.1 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: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#05

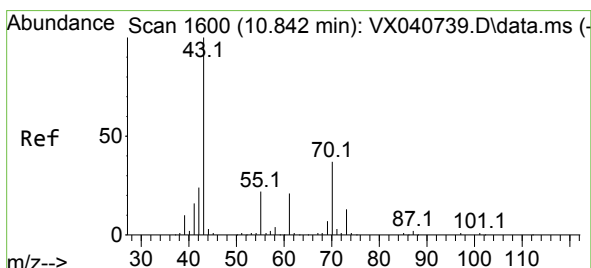
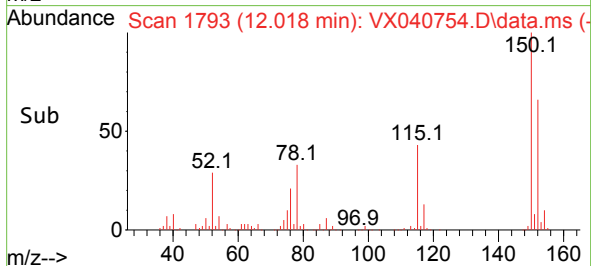
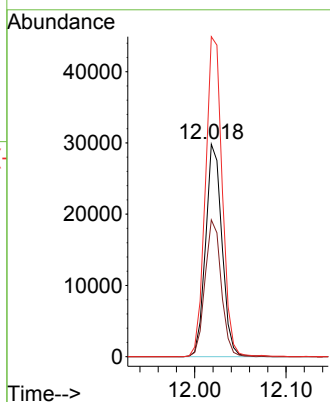
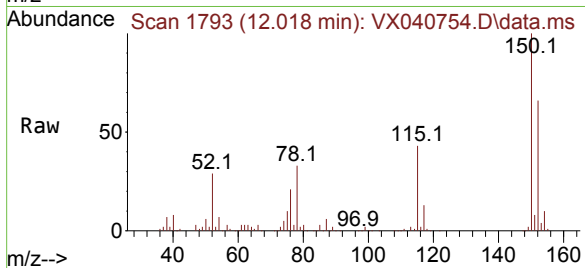
Tgt Ion:152 Resp: 36916

Ion Ratio Lower Upper

152 100

115 63.9 43.3 129.9

150 154.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.212 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Tgt Ion: 43 Resp: 292

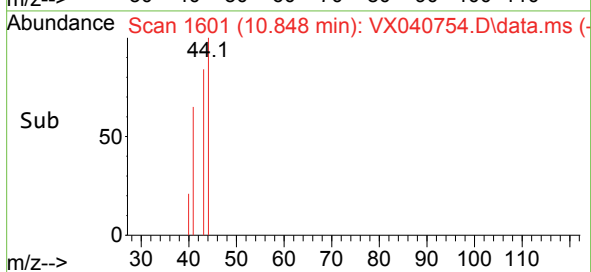
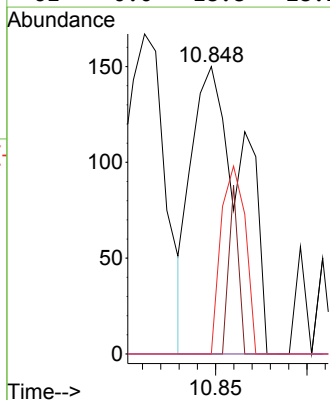
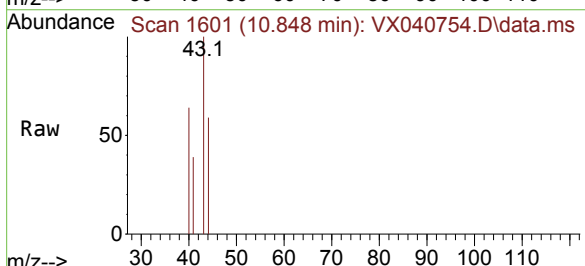
Ion Ratio Lower Upper

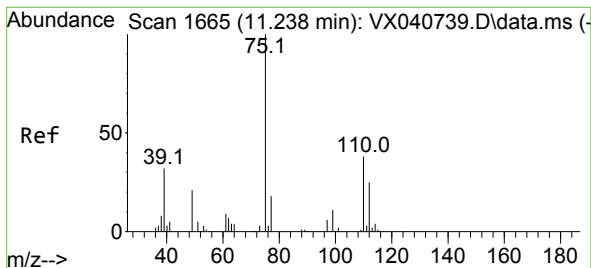
43 100

70 11.0 32.9 49.3#

55 31.2 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.771 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Instrument :

MSVOA_X

ClientSampleId :

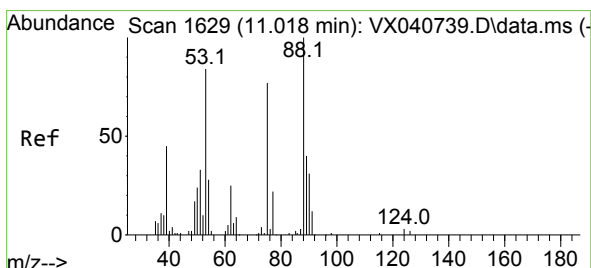
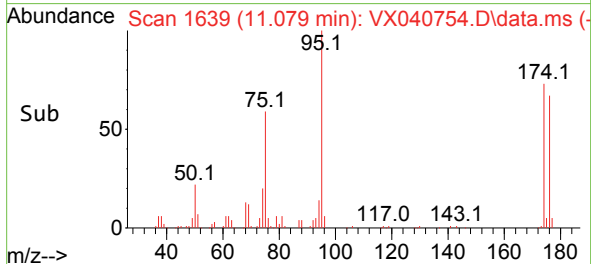
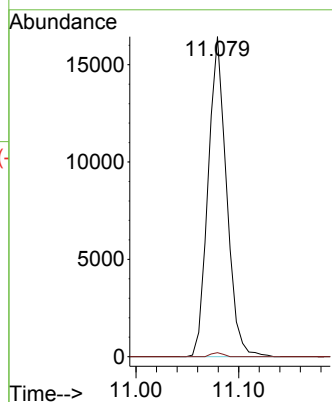
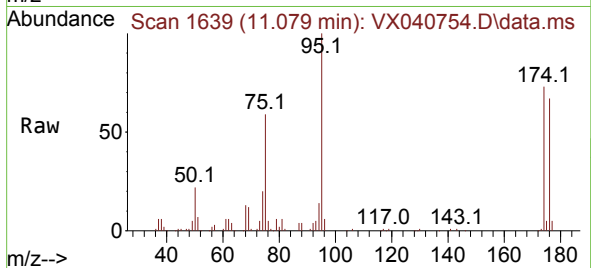
PB159677ZHE#05

Tgt Ion: 75 Resp: 20461

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.194 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040754.D

Acq: 21 Mar 2024 19:40

Tgt Ion: 75 Resp: 20461

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

