

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040753.D
 Acq On : 21 Mar 2024 19:18
 Operator : JC/MD
 Sample : PB159677ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#04

Quant Time: Mar 22 03:00:07 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	5.549	168	41908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	72597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	73326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	32523	46.154	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.300%		
35) Dibromofluoromethane	5.385	113	25322	46.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.646	98	89947	48.359	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	34189	46.524	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds					Qvalue	
3) Chloromethane	1.251	50	251	0.452	ug/l #	43
6) Chloroethane	1.684	64	151	0.409	ug/l #	43
11) Tert butyl alcohol	2.952	59	2302	20.400	ug/l #	94
16) Acetone	2.379	43	9015	36.119	ug/l	95
17) Carbon Disulfide	2.513	76	328	0.231	ug/l #	76
18) Methyl Acetate	2.708	43	450	0.673	ug/l #	53
20) Methylene Chloride	2.794	84	3375	6.186	ug/l	88
25) 2-Butanone	4.556	43	9440	24.147	ug/l	99
29) Tetrahydrofuran	5.031	42	74	0.285	ug/l #	34
31) Cyclohexane	5.537	56	1341	1.602	ug/l #	58
36) 1,1-Dichloropropene	5.549	75	3909	4.887	ug/l #	48
37) Ethyl Acetate	4.726	43	952	1.048	ug/l #	77
38) Carbon Tetrachloride	5.549	117	4627	5.140	ug/l #	18
43) Isopropyl Acetate	6.336	43	37297	26.151	ug/l	98
48) Methyl methacrylate	7.793	41	31773	48.743	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	25553	28.891	ug/l #	49
53) t-1,3-Dichloropropene	8.957	75	221	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	9895	11.029	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1197	1.308	ug/l #	42
59) 2-Hexanone	9.433	43	4790	6.991	ug/l	98
74) N-amyl acetate	10.841	43	308	0.225	ug/l #	62
76) 1,2,3-Trichloropropane	11.079	75	19098	24.245	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	19098	61.335	ug/l #	5

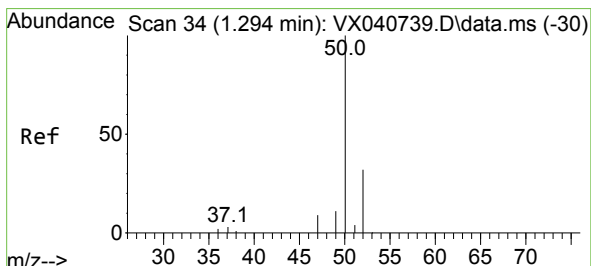
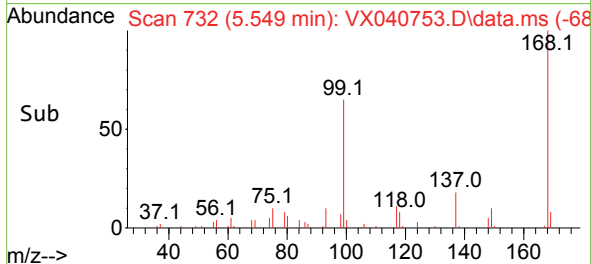
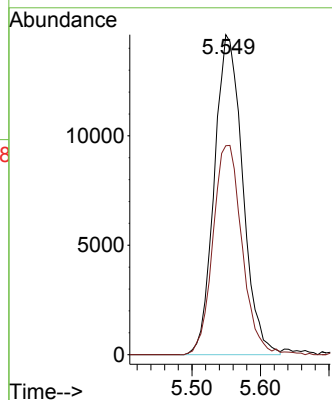
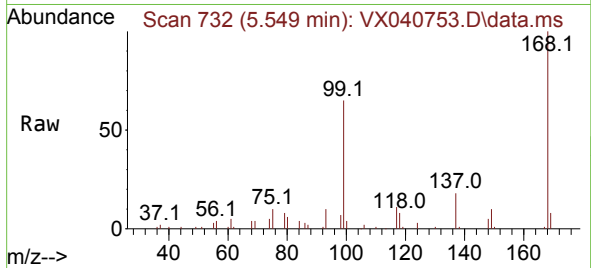
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

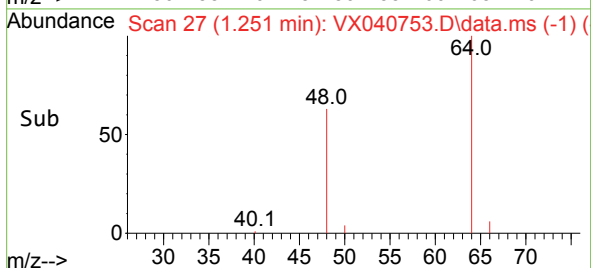
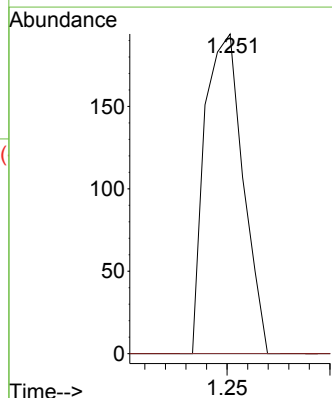
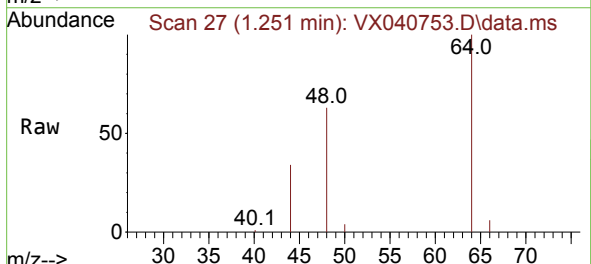
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

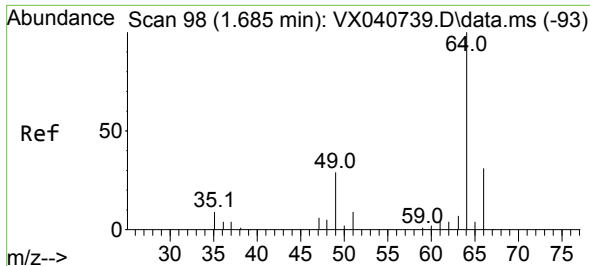
Tgt Ion:168 Resp: 41908
Ion Ratio Lower Upper
168 100
99 65.3 56.6 85.0



#3
Chloromethane
Concen: 0.452 ug/l
RT: 1.251 min Scan# 27
Delta R.T. -0.043 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 50 Resp: 251
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

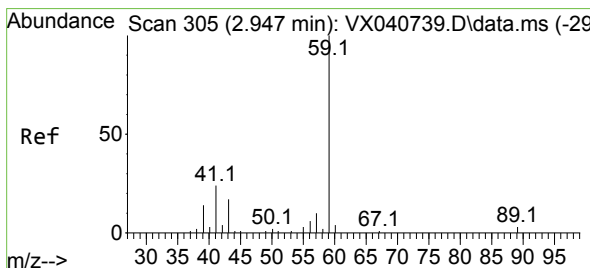
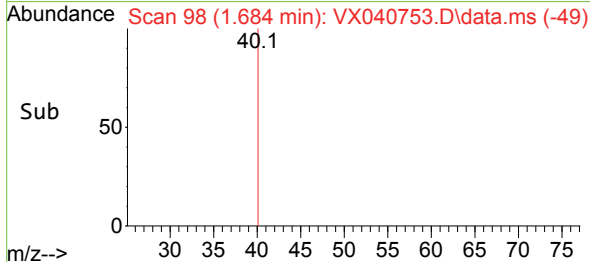
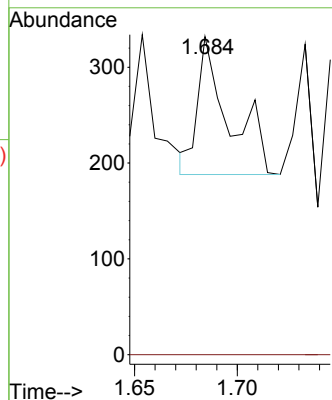
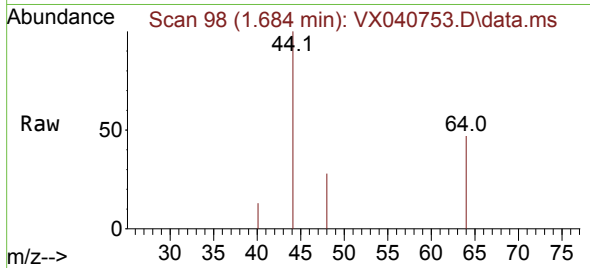




#6
Chloroethane
Concen: 0.409 ug/l
RT: 1.684 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

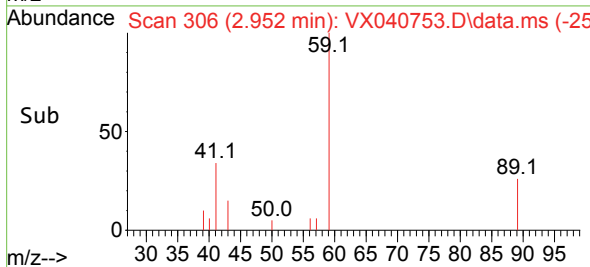
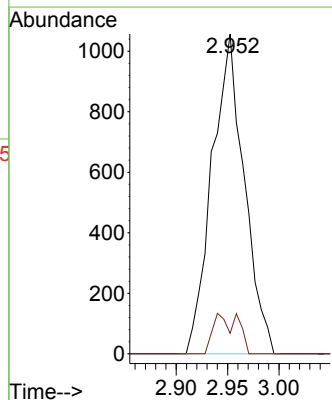
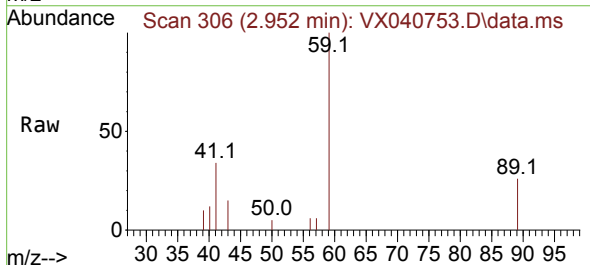
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

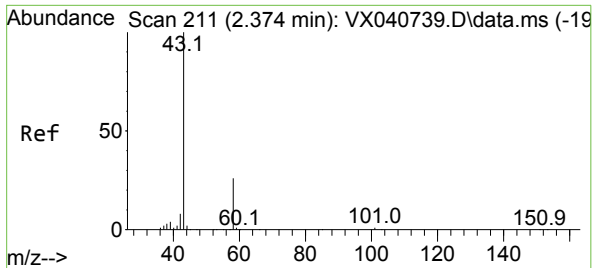
Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 20.400 ug/l
RT: 2.952 min Scan# 306
Delta R.T. 0.005 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 59 Resp: 2302
Ion Ratio Lower Upper
59 100
57 9.6 6.0 9.0#

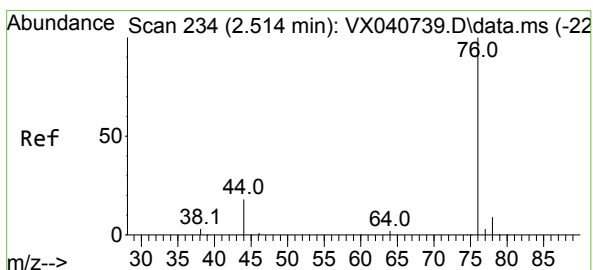
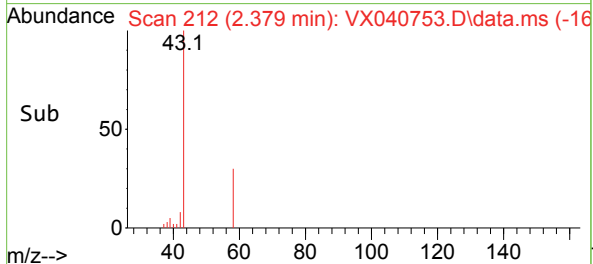
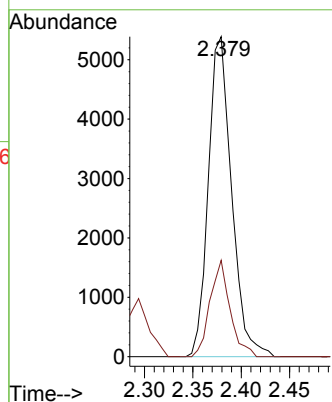
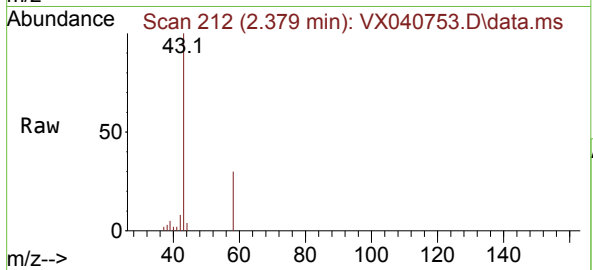




#16
Acetone
Concen: 36.119 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.005 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

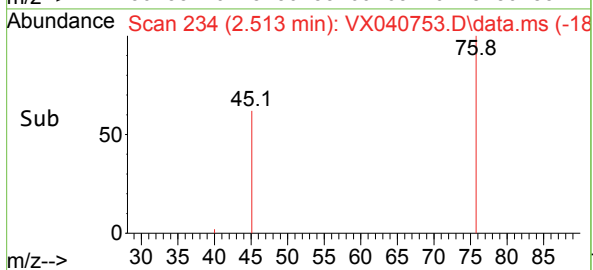
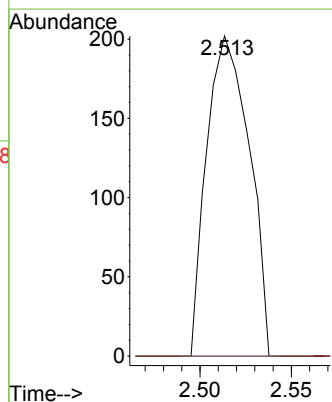
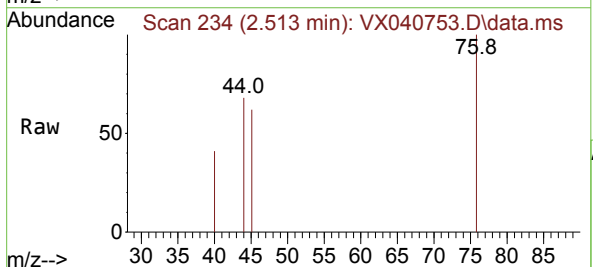
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

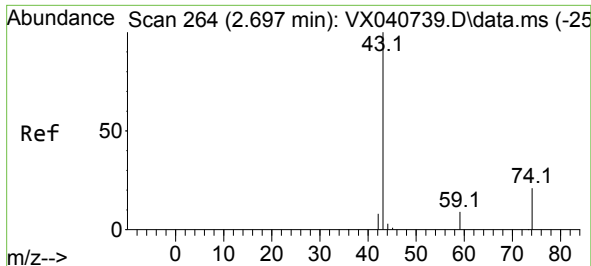
Tgt Ion: 43 Resp: 9015
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9



#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 76 Resp: 328
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.673 ug/l

RT: 2.708 min Scan# 2

Delta R.T. 0.011 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

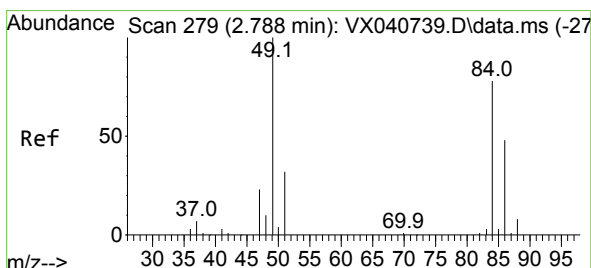
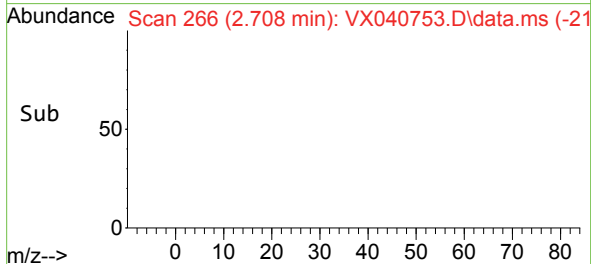
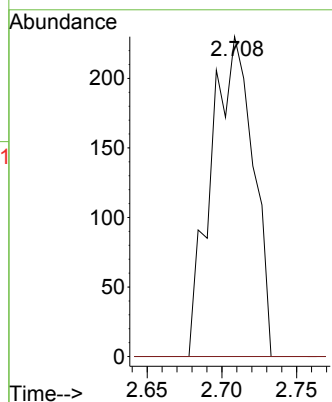
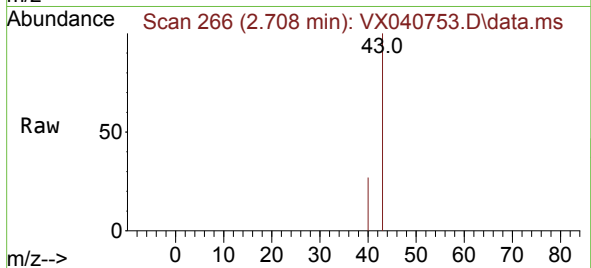
PB159677ZHE#04

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 6.186 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

Tgt Ion: 84 Resp: 3375

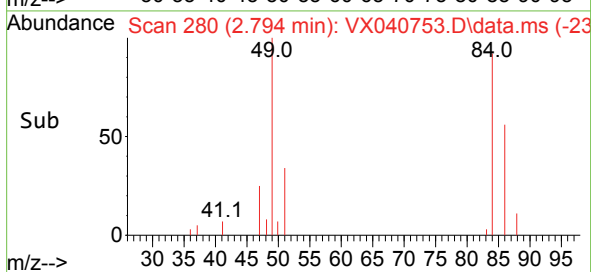
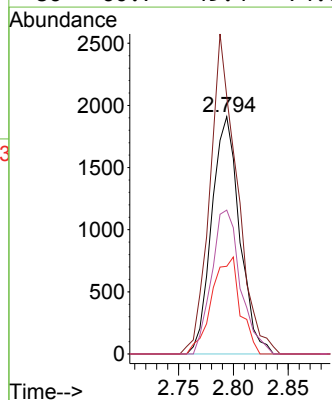
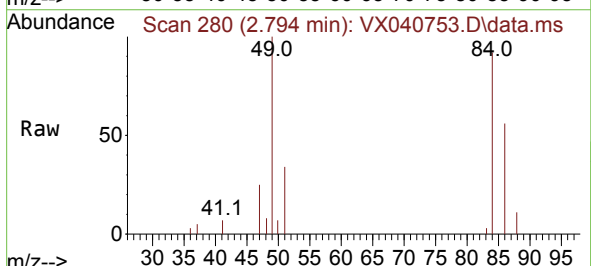
Ion Ratio Lower Upper

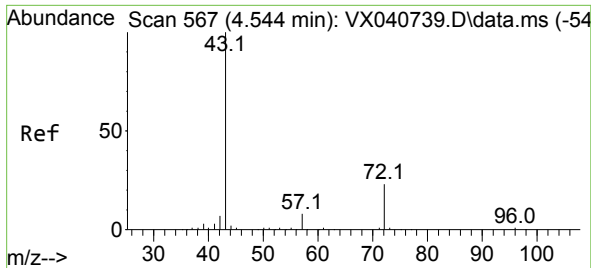
84 100

49 108.5 103.6 155.4

51 37.0 33.8 50.6

86 60.7 49.4 74.0

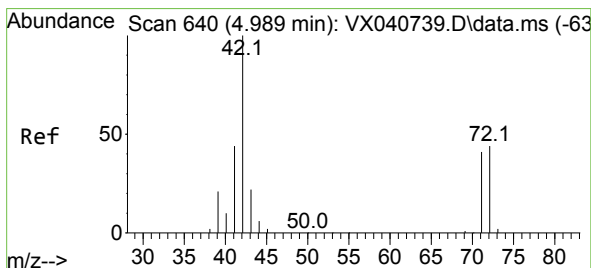
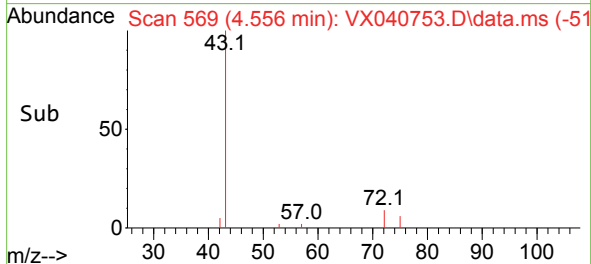
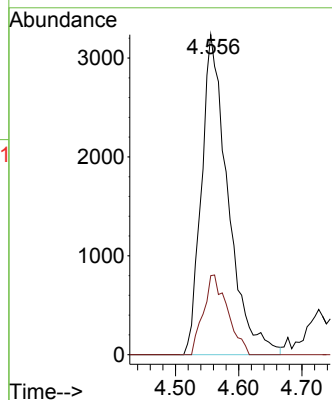
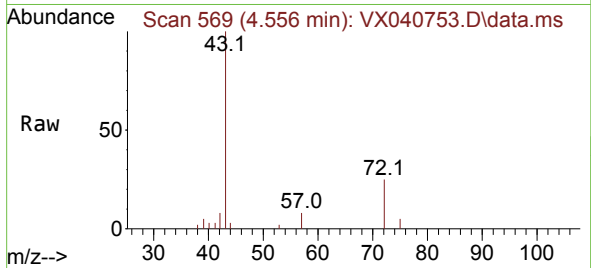




#25
2-Butanone
Concen: 24.147 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

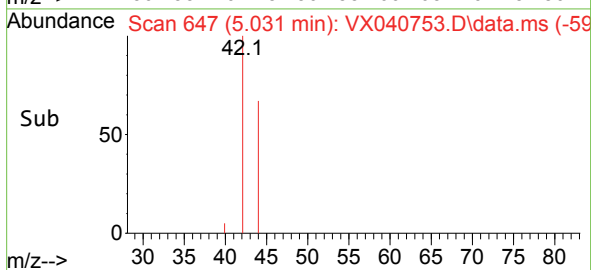
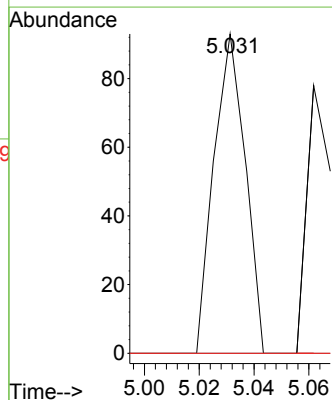
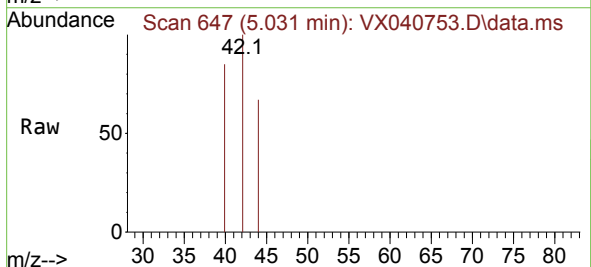
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

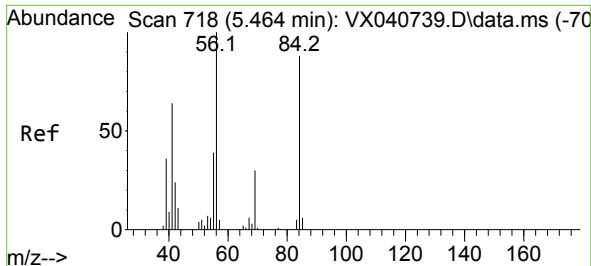
Tgt Ion: 43 Resp: 9440
Ion Ratio Lower Upper
43 100
72 24.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.042 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

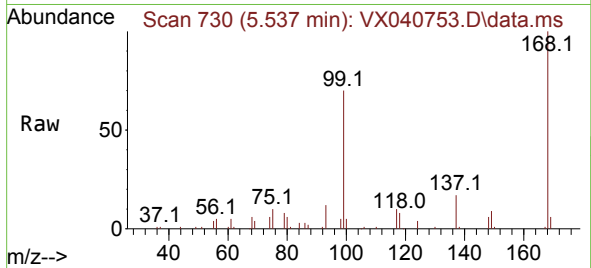
Tgt Ion: 42 Resp: 74
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



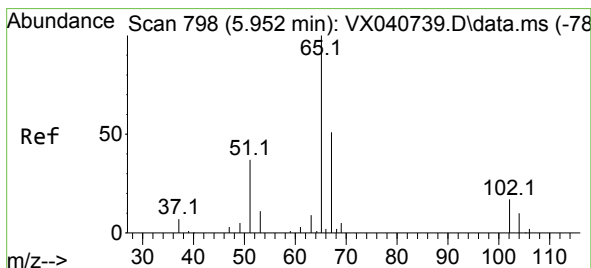
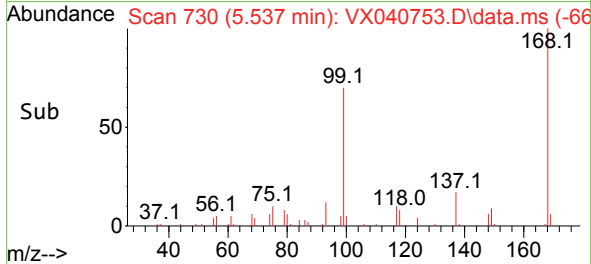
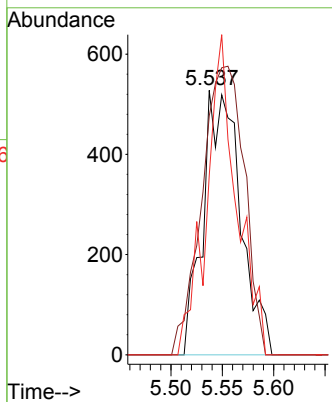


#31
Cyclohexane
Concen: 1.602 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

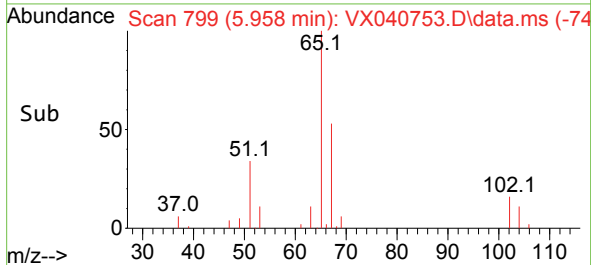
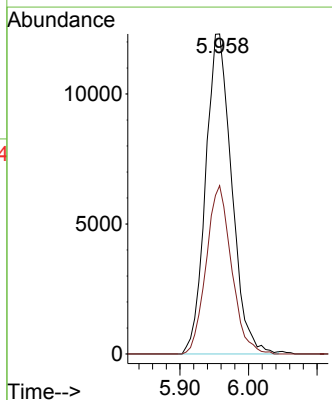
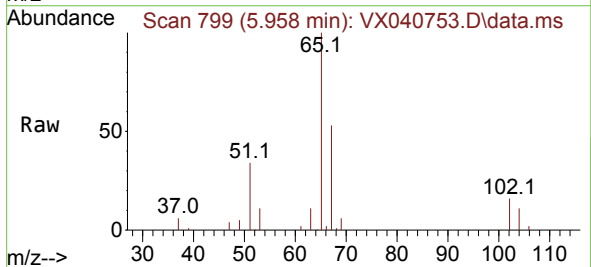


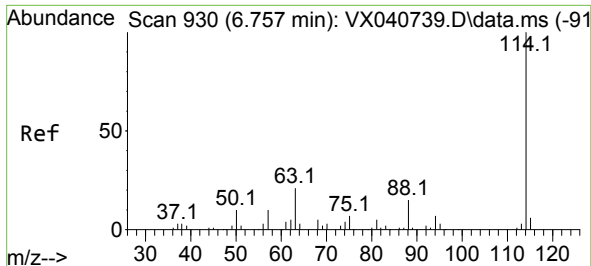
Tgt Ion: 56 Resp: 1341
Ion Ratio Lower Upper
56 100
69 90.3 23.4 35.2#
84 67.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.154 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 65 Resp: 32523
Ion Ratio Lower Upper
65 100
67 51.0 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: VX040753.D

Acq: 21 Mar 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#04

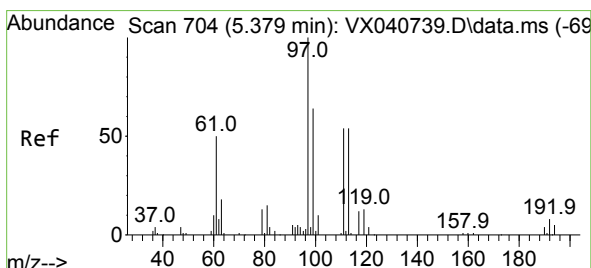
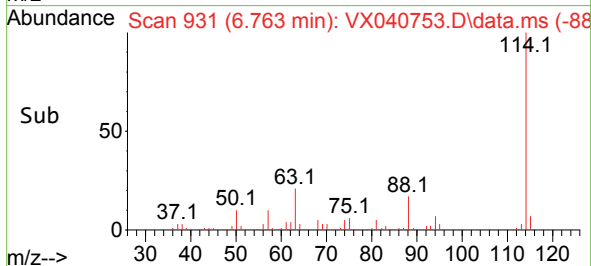
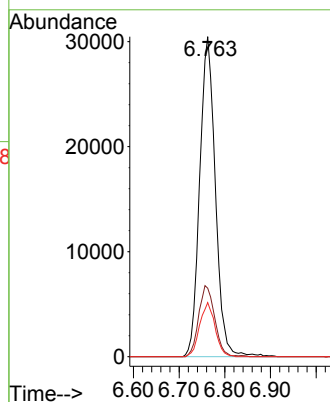
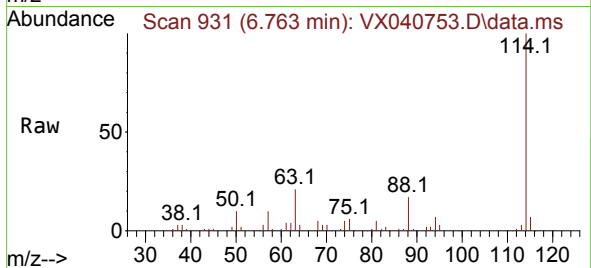
Tgt Ion:114 Resp: 72597

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.615 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

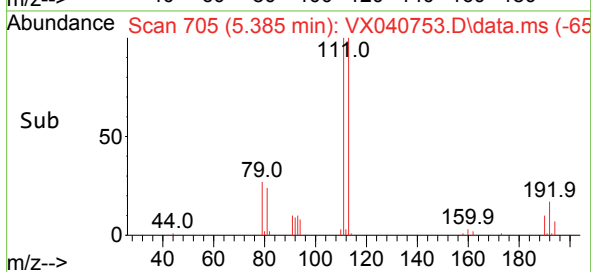
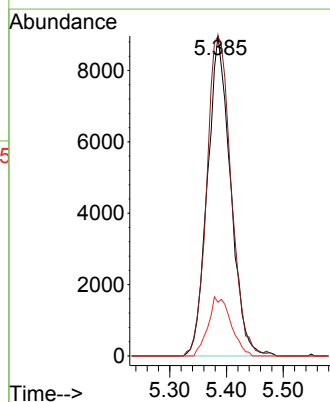
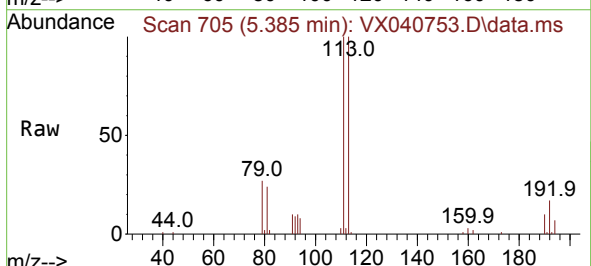
Tgt Ion:113 Resp: 25322

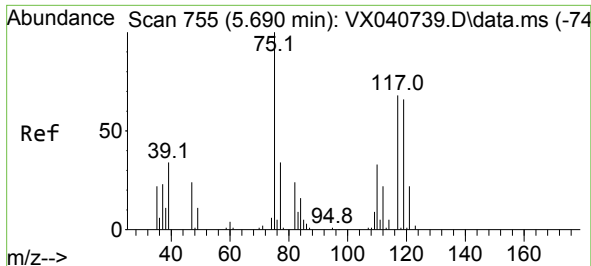
Ion Ratio Lower Upper

113 100

111 105.9 82.9 124.3

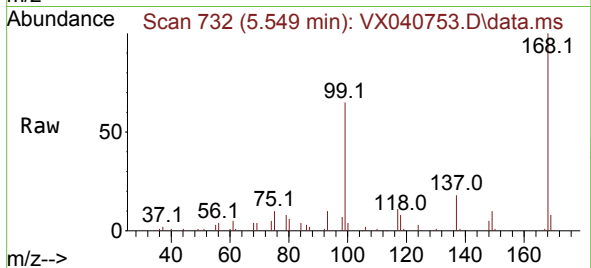
192 18.3 13.3 19.9



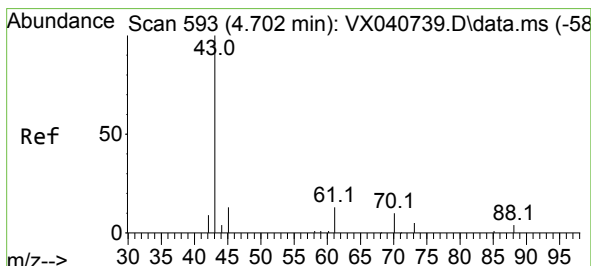
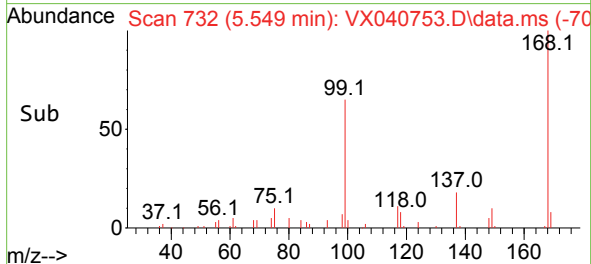
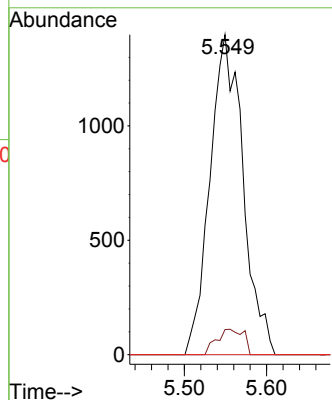


#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

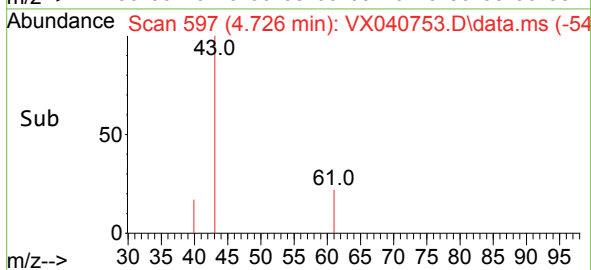
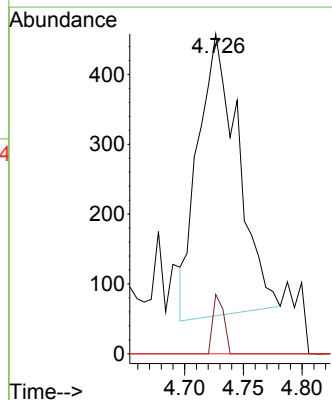
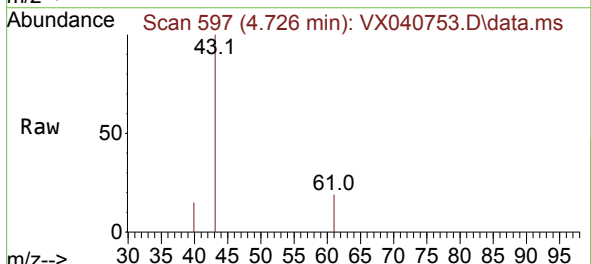


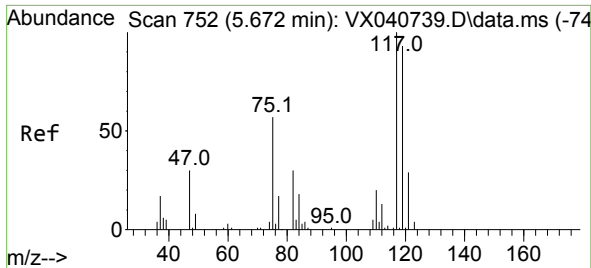
Tgt Ion: 75 Resp: 3909
Ion Ratio Lower Upper
75 100
110 6.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.048 ug/l
RT: 4.726 min Scan# 597
Delta R.T. 0.024 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

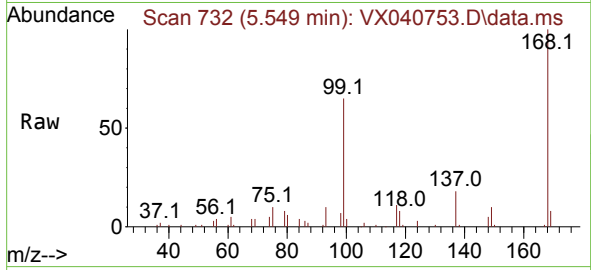
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
61 5.7 10.6 16.0#
70 0.0 8.3 12.5#



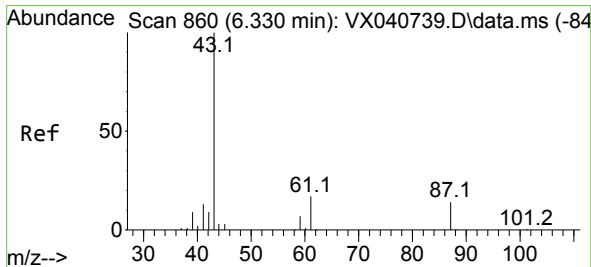
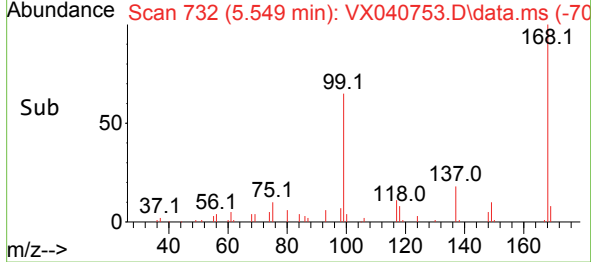
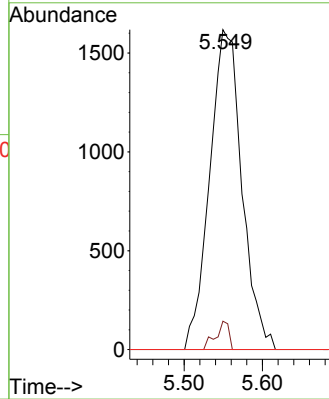


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

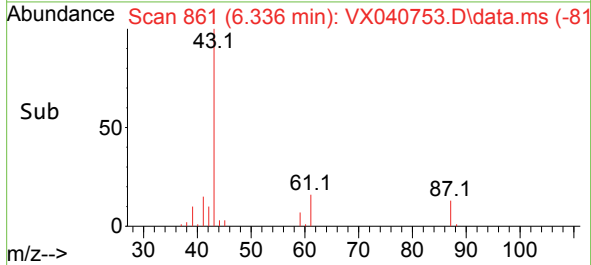
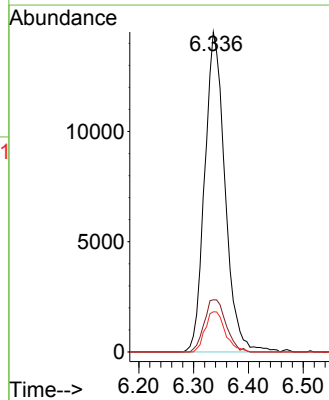
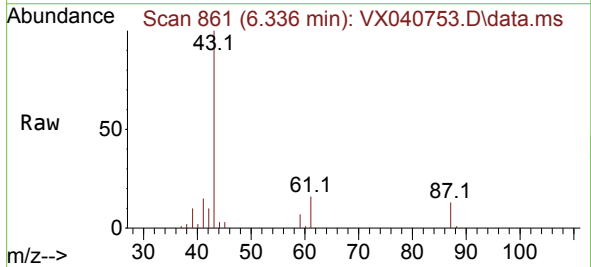


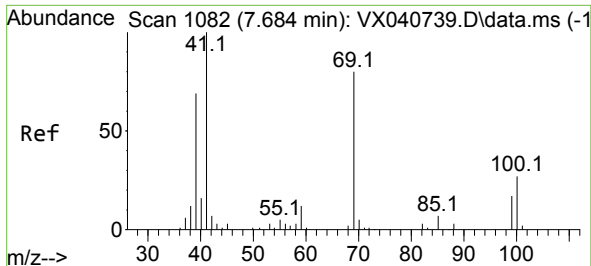
Tgt Ion:117 Resp: 4627
Ion Ratio Lower Upper
117 100
119 8.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.151 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 43 Resp: 37297
Ion Ratio Lower Upper
43 100
61 17.5 15.2 22.8
87 12.4 9.8 14.6

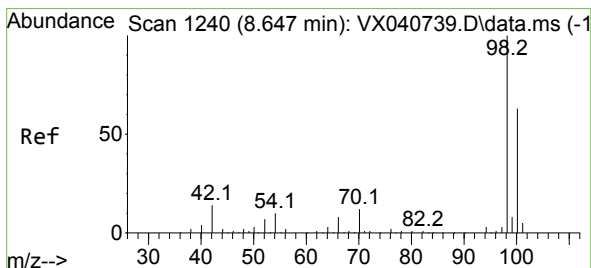
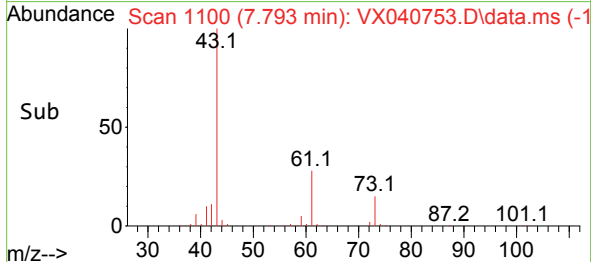
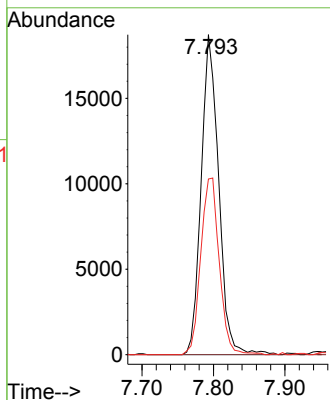
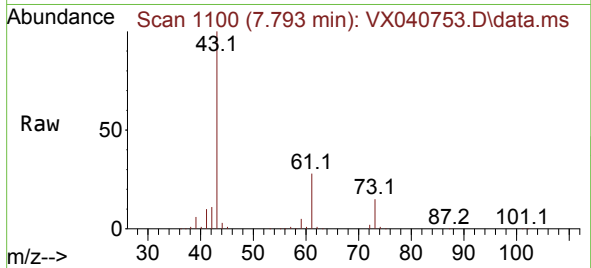




#48
Methyl methacrylate
Concen: 48.743 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.109 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

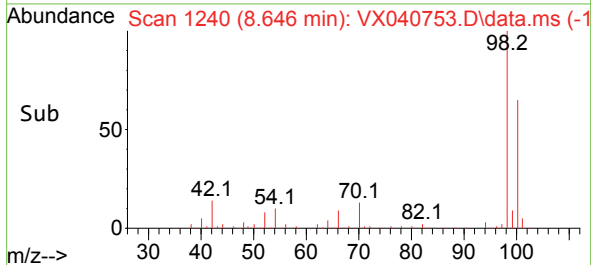
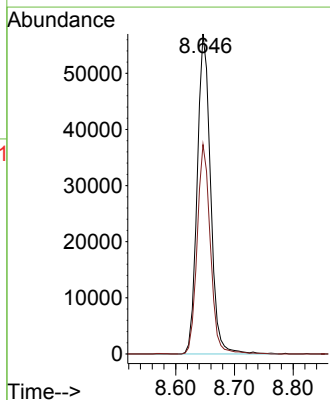
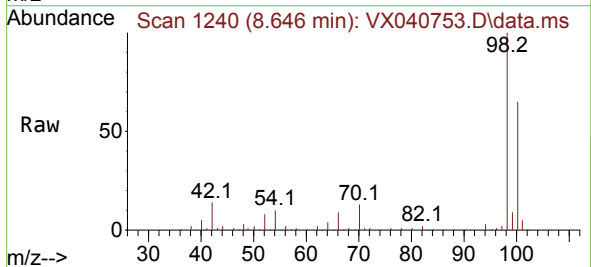
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

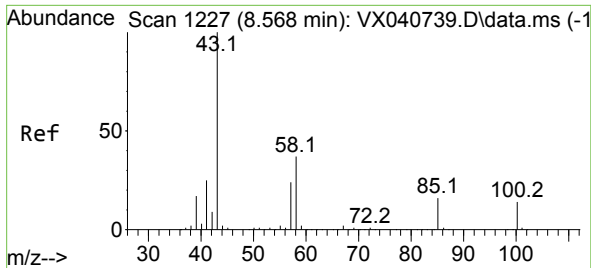
Tgt Ion: 41 Resp: 31773
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 58.6 47.7 71.5



#50
Toluene-d8
Concen: 48.359 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 98 Resp: 89947
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7

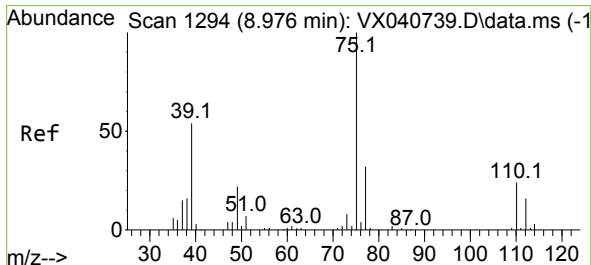
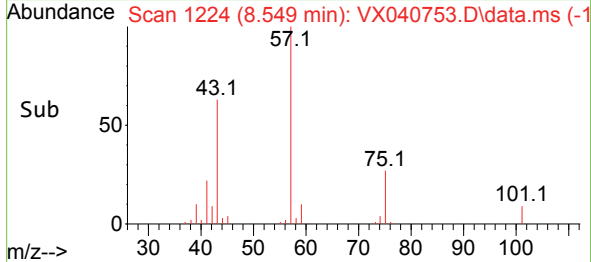
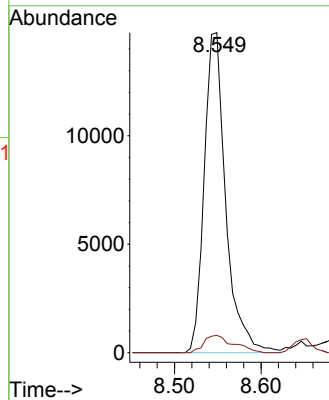
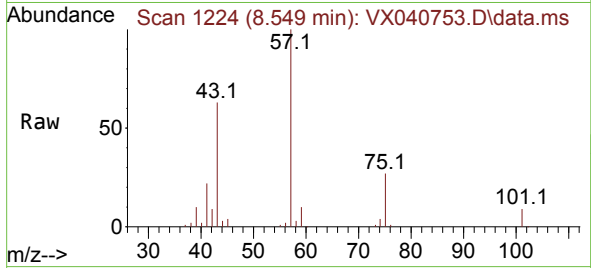




#51
4-Methyl-2-Pentanone
Concen: 28.891 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

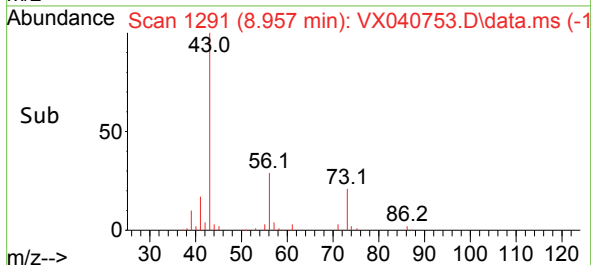
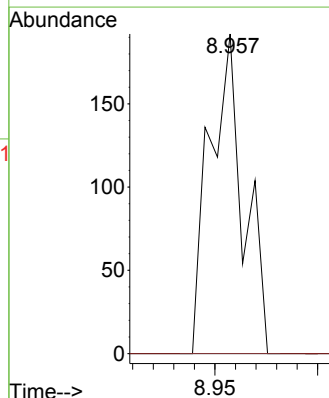
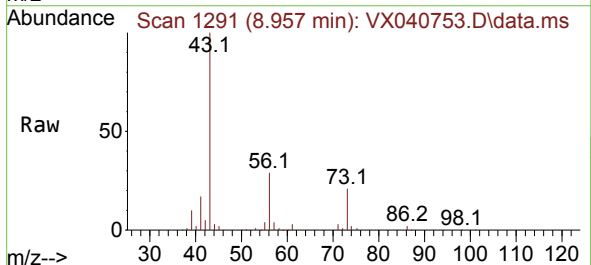
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

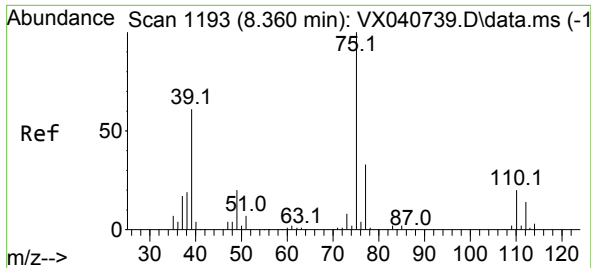
Tgt Ion: 43 Resp: 25553
Ion Ratio Lower Upper
43 100
58 7.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 75 Resp: 221
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

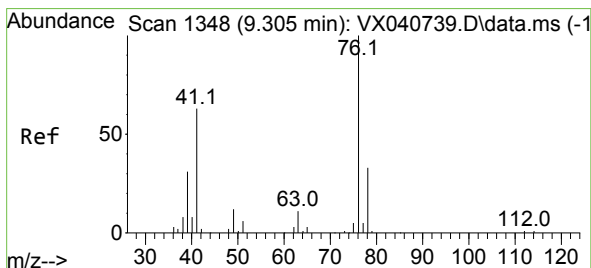
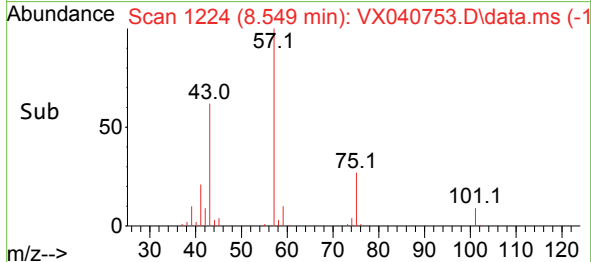
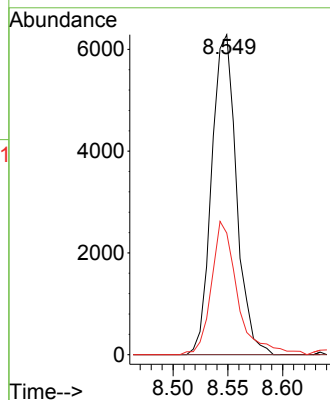
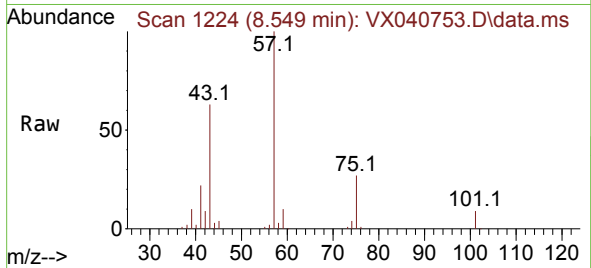




#54
cis-1,3-Dichloropropene
Concen: 11.029 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

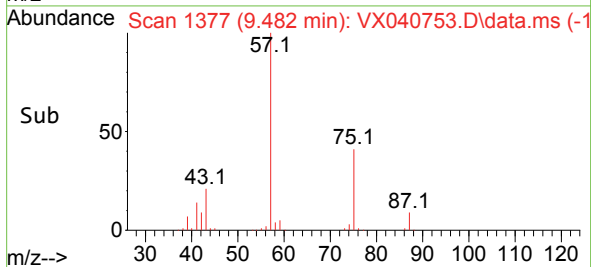
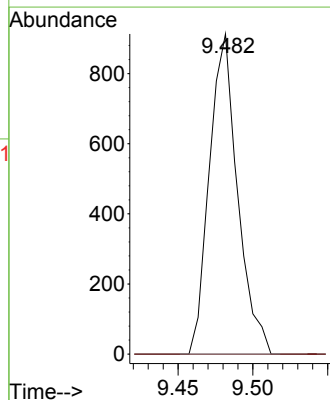
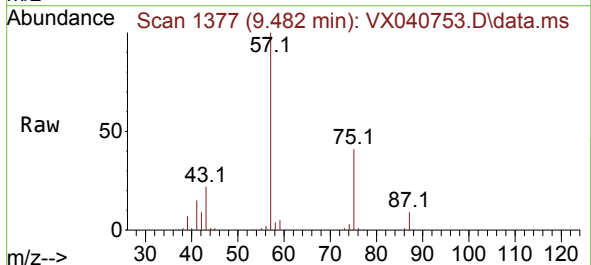
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

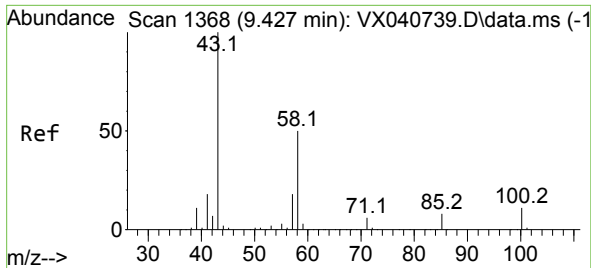
Tgt Ion: 75 Resp: 9895
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 38.0 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.308 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 76 Resp: 1197
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

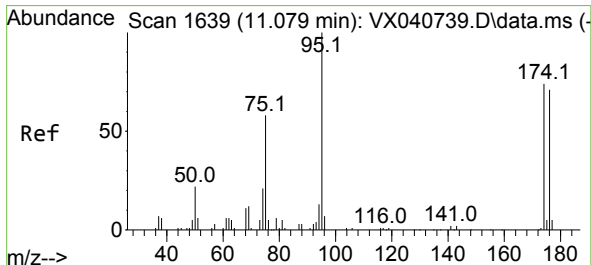
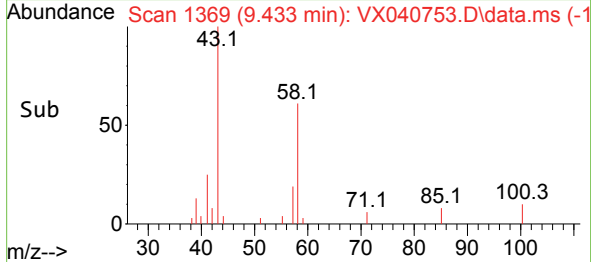
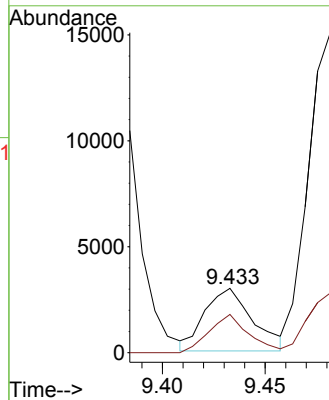
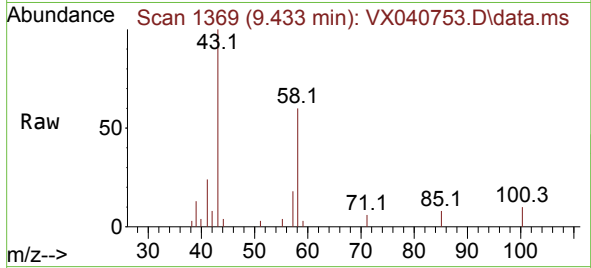




#59
2-Hexanone
Concen: 6.991 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

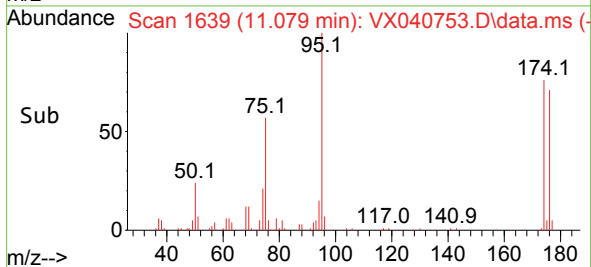
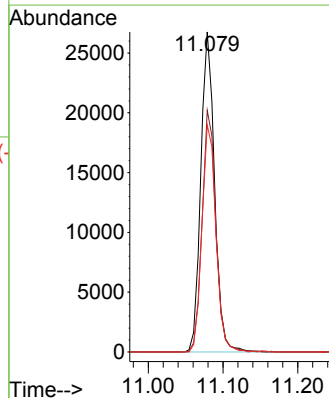
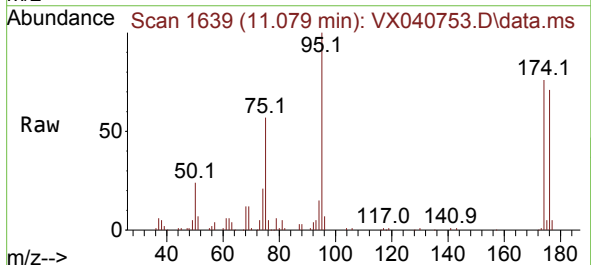
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04

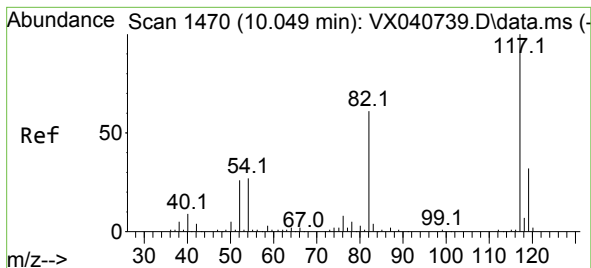
Tgt Ion: 43 Resp: 4790
Ion Ratio Lower Upper
43 100
58 50.7 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 46.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Tgt Ion: 95 Resp: 34189
Ion Ratio Lower Upper
95 100
174 75.8 0.0 135.6
176 72.0 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#04

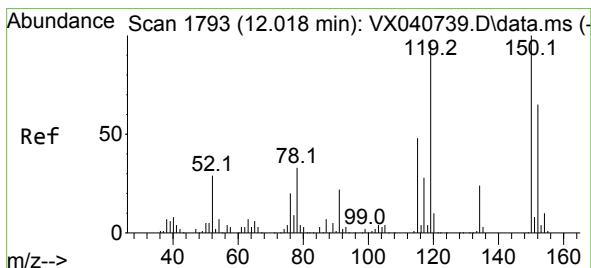
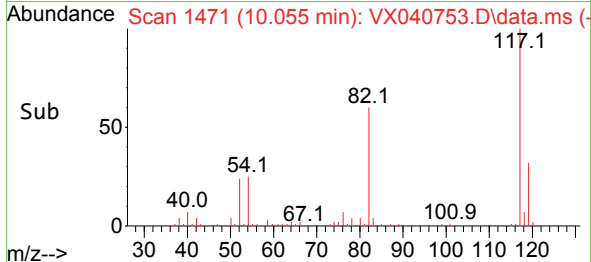
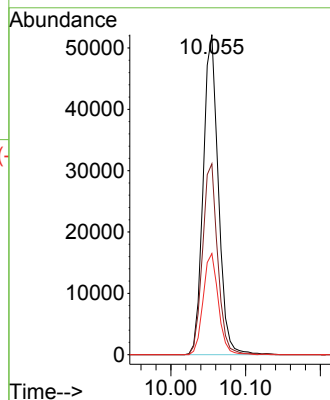
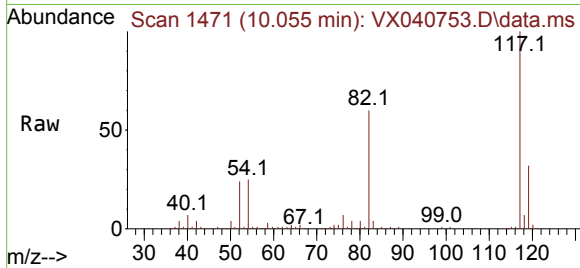
Tgt Ion:117 Resp: 73326

Ion Ratio Lower Upper

117 100

82 59.7 46.2 69.4

119 31.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

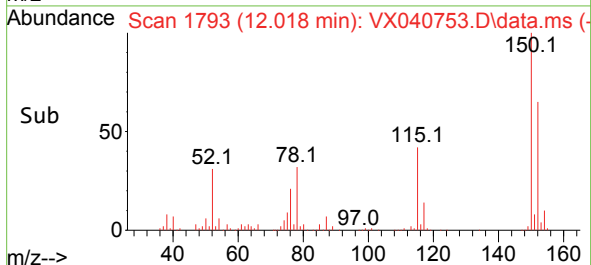
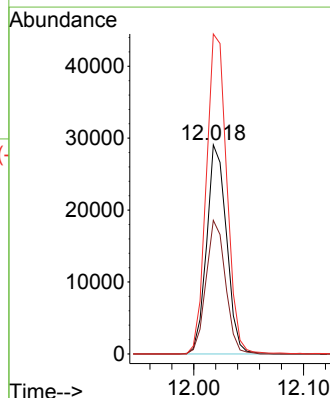
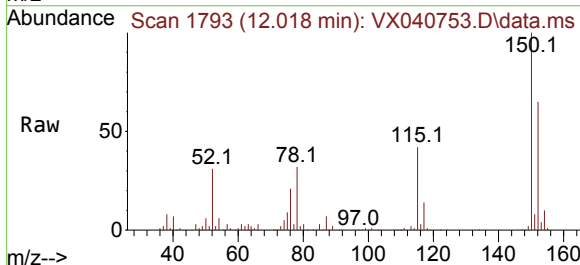
Tgt Ion:152 Resp: 36625

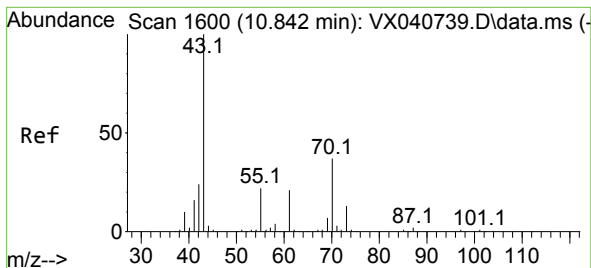
Ion Ratio Lower Upper

152 100

115 62.6 43.3 129.9

150 157.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.225 ug/l

RT: 10.841 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040753.D

Acq: 21 Mar 2024 19:18

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#04

Tgt Ion: 43 Resp: 308

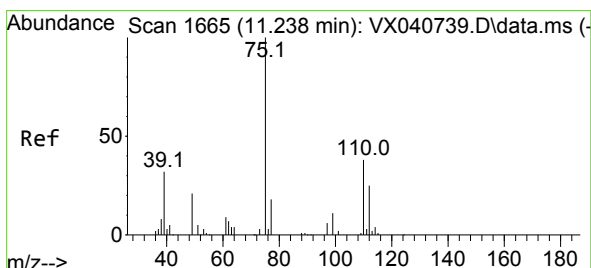
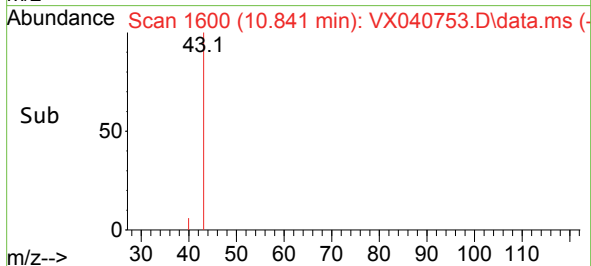
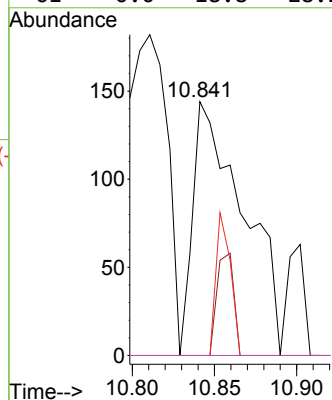
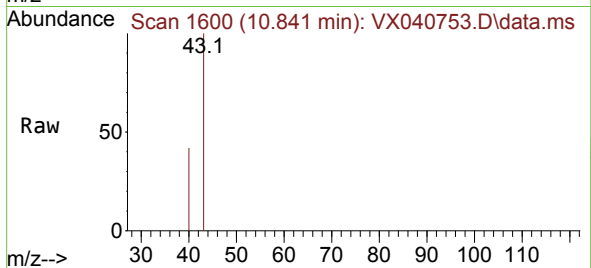
Ion Ratio Lower Upper

43 100

70 13.3 32.9 49.3#

55 15.9 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.245 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040753.D

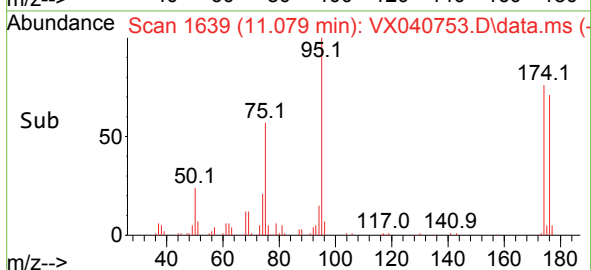
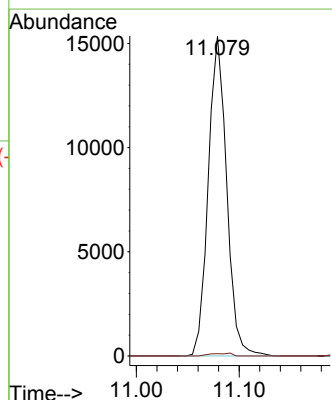
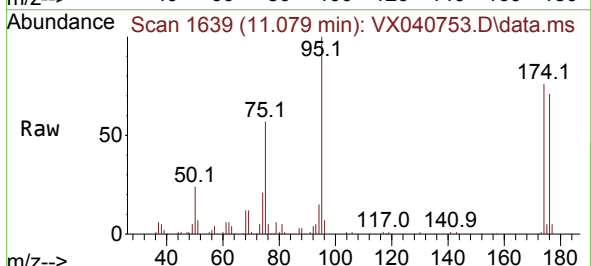
Acq: 21 Mar 2024 19:18

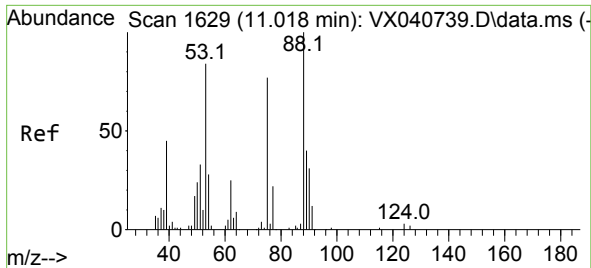
Tgt Ion: 75 Resp: 19098

Ion Ratio Lower Upper

75 100

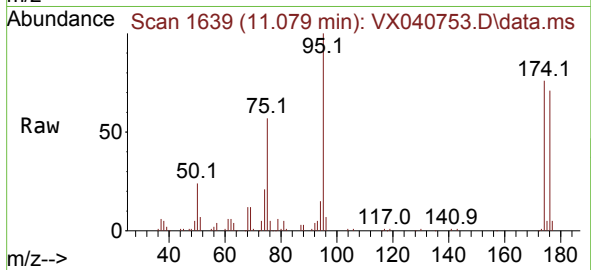
77 1.0 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.335 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040753.D
Acq: 21 Mar 2024 19:18

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#04



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

