

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040761.D
 Acq On : 21 Mar 2024 22:20
 Operator : JC/MD
 Sample : PB159677ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#12

Quant Time: Mar 22 03:03:23 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	41266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	69104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	66119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34069	49.100	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.200%		
35) Dibromofluoromethane	5.391	113	24875	48.107	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.220%		
50) Toluene-d8	8.647	98	93916	53.045	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.080%		
62) 4-Bromofluorobenzene	11.079	95	36020	51.494	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.980%		
Target Compounds						Qvalue
6) Chloroethane	1.672	64	125	0.344	ug/l #	43
11) Tert butyl alcohol	2.946	59	854	7.686	ug/l #	78
16) Acetone	2.373	43	27219	110.749	ug/l	96
18) Methyl Acetate	2.709	43	640	0.972	ug/l #	53
20) Methylene Chloride	2.788	84	2393	4.454	ug/l #	84
25) 2-Butanone	4.562	43	2808	7.294	ug/l	91
29) Tetrahydrofuran	5.025	42	116	0.453	ug/l #	34
31) Cyclohexane	5.550	56	1092	1.325	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	3661	4.809	ug/l #	47
37) Ethyl Acetate	4.721	43	1120	1.296	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4351	5.077	ug/l #	11
43) Isopropyl Acetate	6.342	43	38979	28.712	ug/l	97
48) Methyl methacrylate	7.793	41	33998	54.792	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	30833	36.623	ug/l #	45
52) Toluene	8.720	92	322	0.257	ug/l #	69
53) t-1,3-Dichloropropene	8.945	75	196	0.237	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	11714	13.717	ug/l #	62
56) Ethyl methacrylate	9.238	69	217	0.254	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1355	1.555	ug/l #	42
59) 2-Hexanone	9.482	43	20943	32.112	ug/l #	53
74) N-amyl acetate	10.817	43	375	0.281	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	20886	27.176	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20886	68.750	ug/l #	5

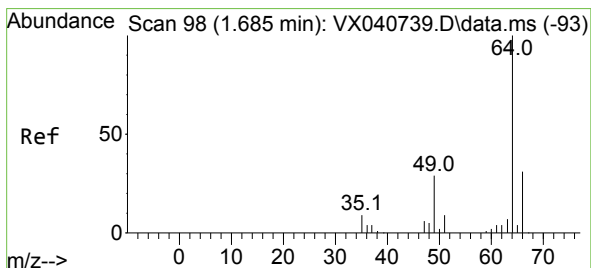
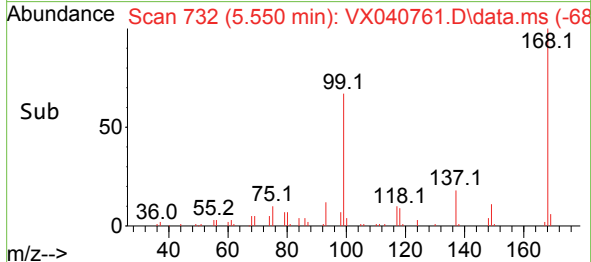
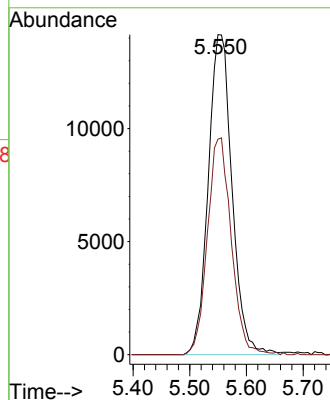
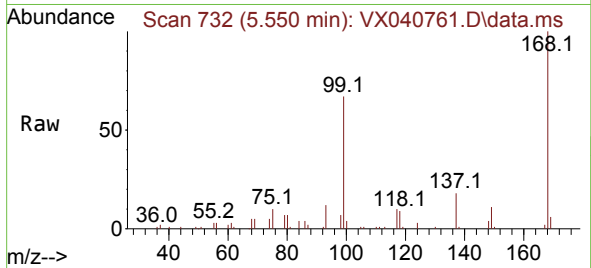
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

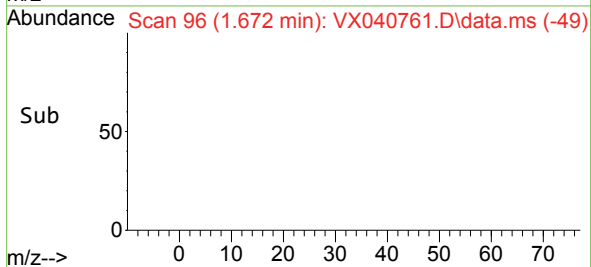
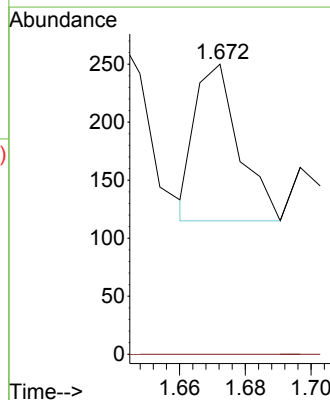
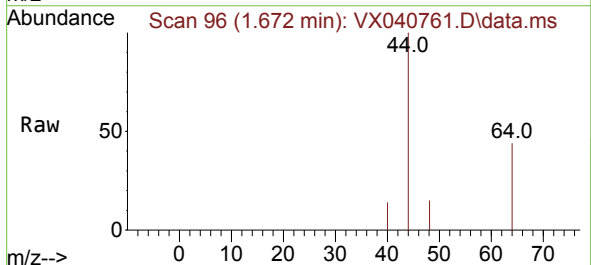
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

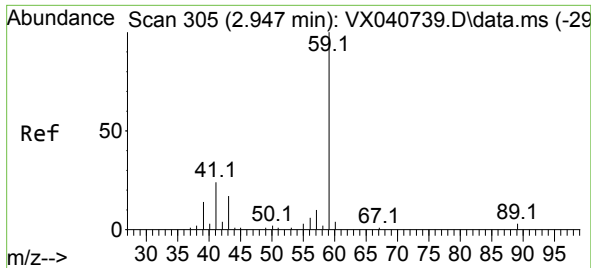
Tgt Ion:168 Resp: 41266
Ion Ratio Lower Upper
168 100
99 67.3 56.6 85.0



#6
Chloroethane
Concen: 0.344 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

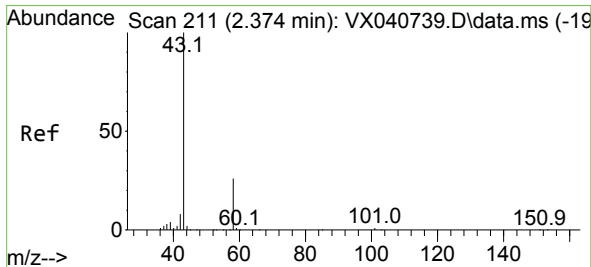
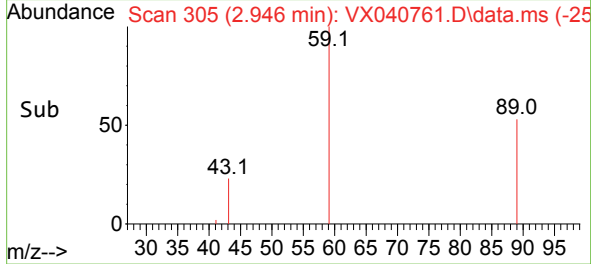
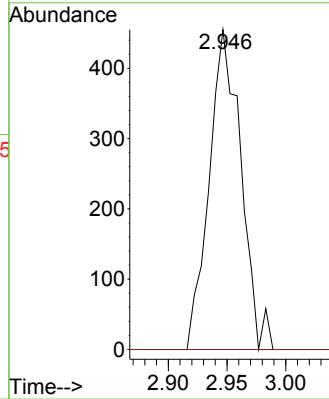
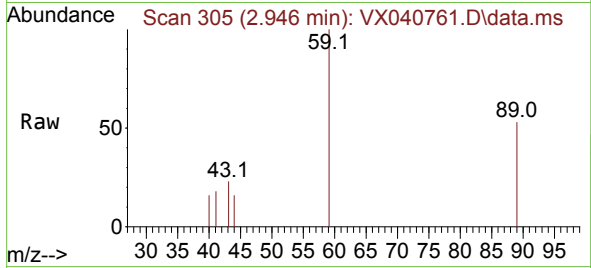




#11
Tert butyl alcohol
Concen: 7.686 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.001 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

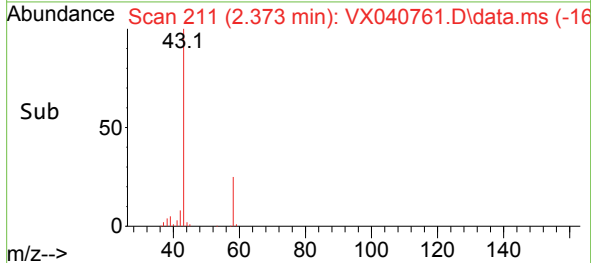
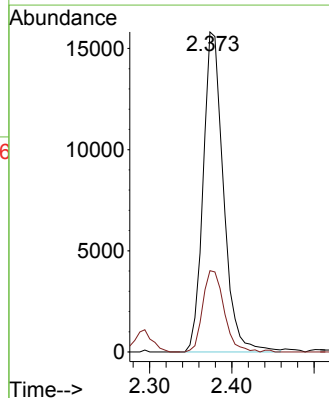
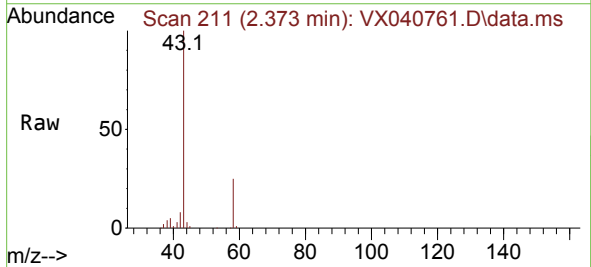
Instrument : MSVOA_X
ClientSampleId : PB159677ZHE#12

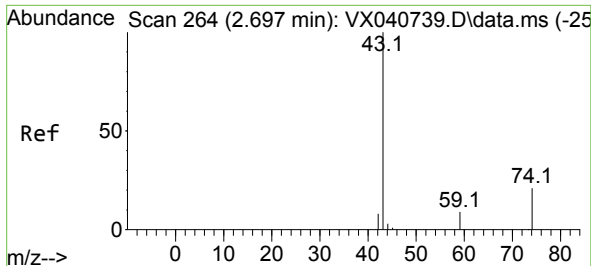
Tgt Ion: 59 Resp: 854
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 110.749 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 43 Resp: 27219
Ion Ratio Lower Upper
43 100
58 25.4 21.9 32.9

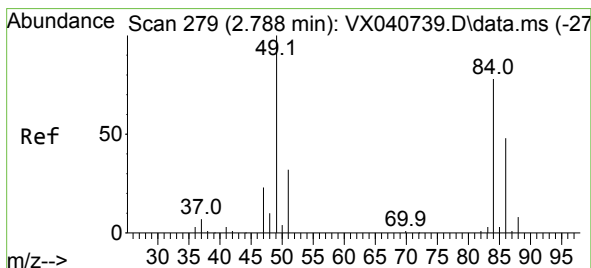
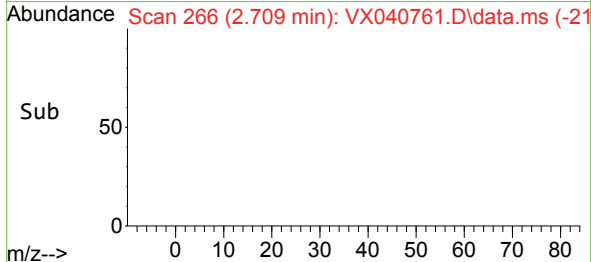
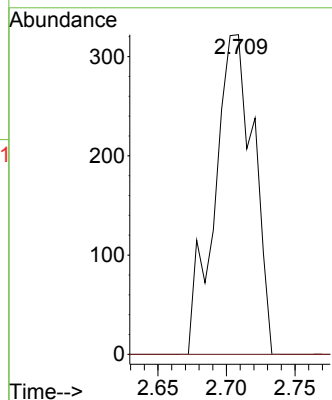
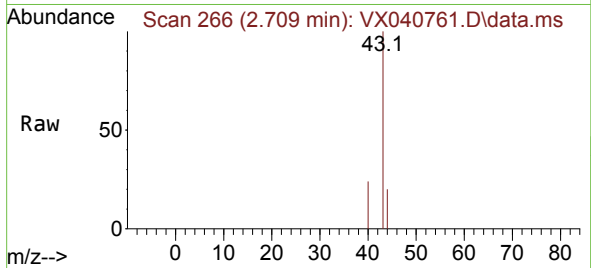




#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

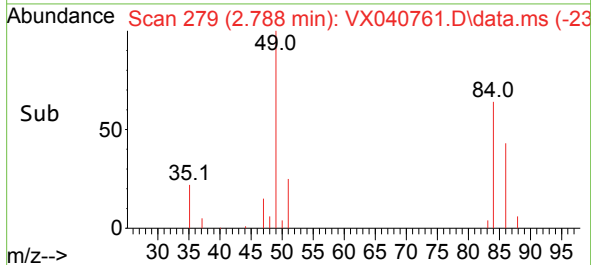
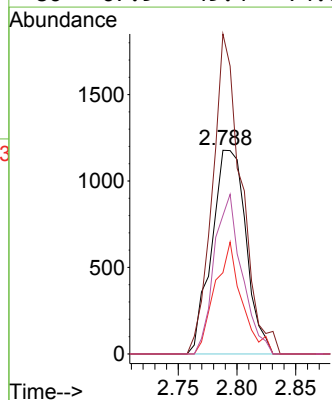
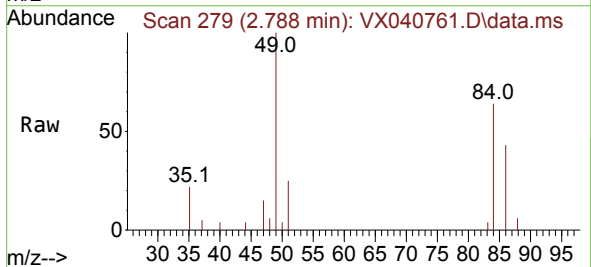
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

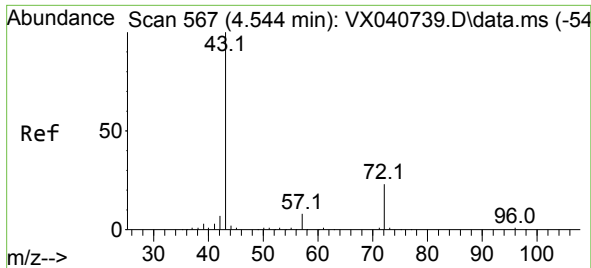
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 4.454 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 84 Resp: 2393
Ion Ratio Lower Upper
84 100
49 157.1 103.6 155.4#
51 39.9 33.8 50.6
86 67.9 49.4 74.0

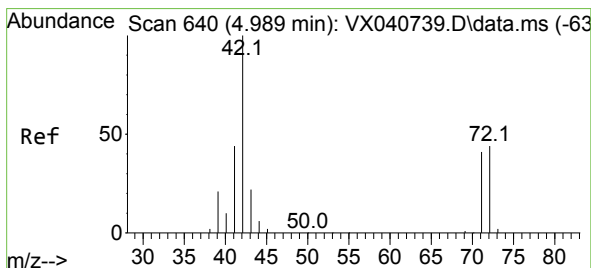
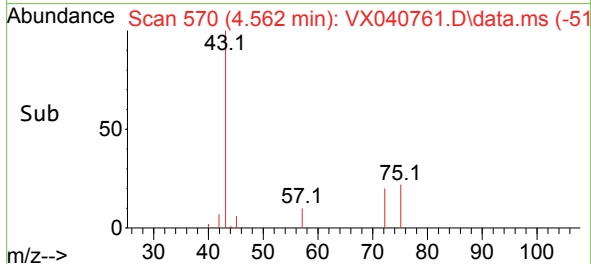
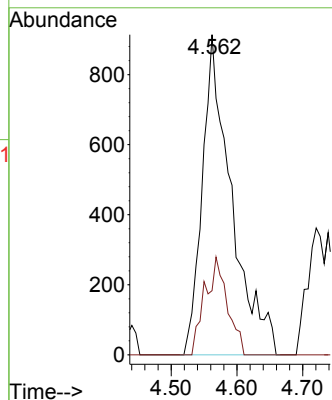
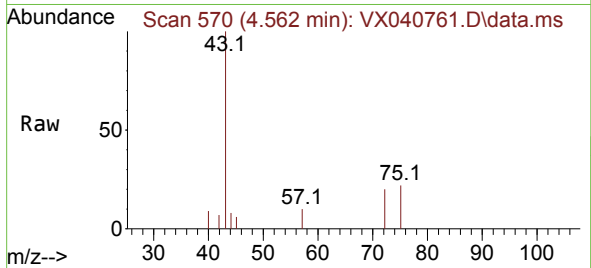




#25
2-Butanone
Concen: 7.294 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

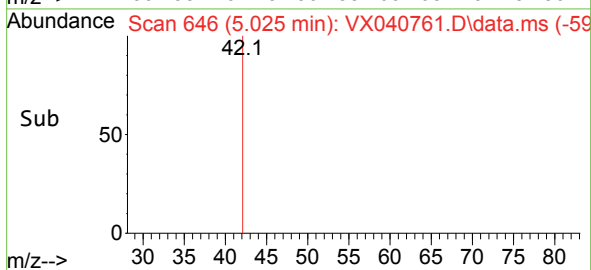
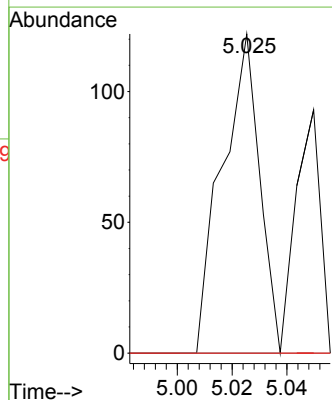
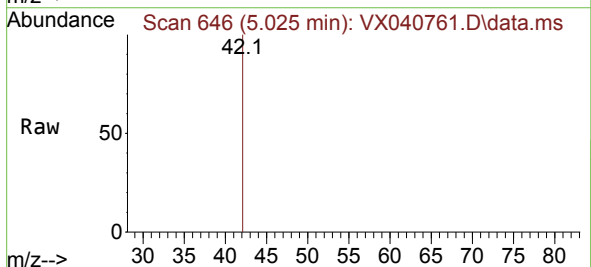
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

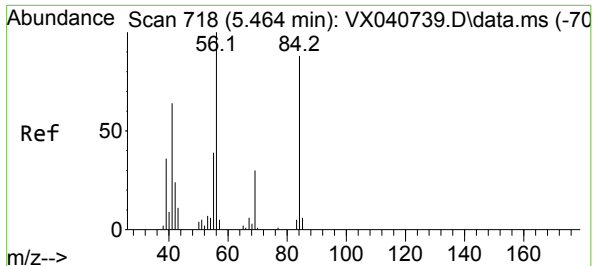
Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
72 20.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.036 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 42 Resp: 116
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

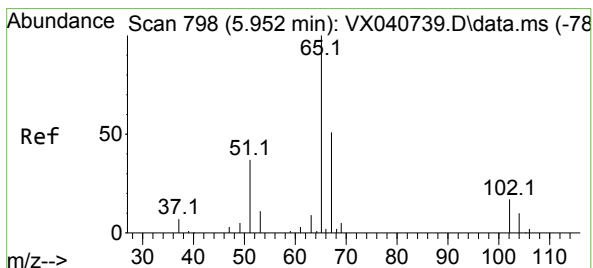
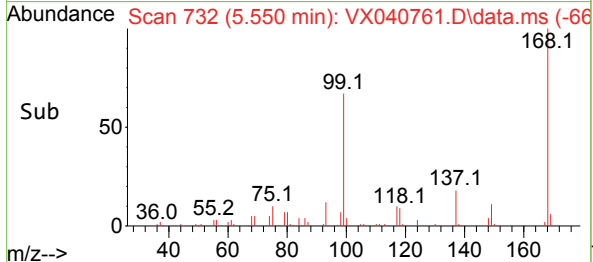
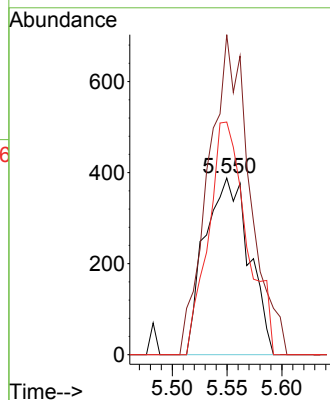
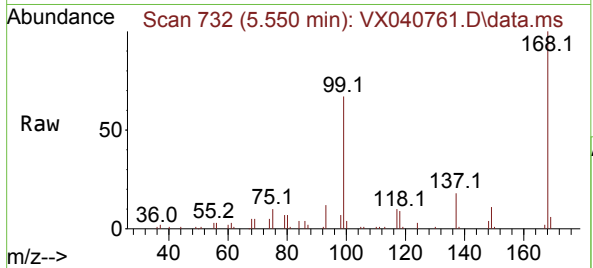




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

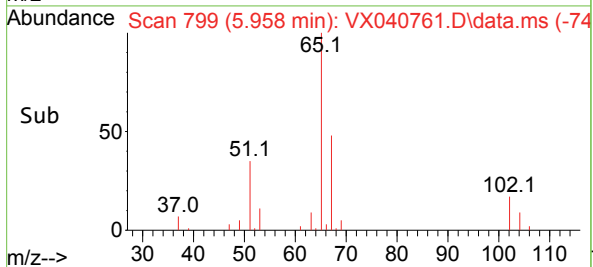
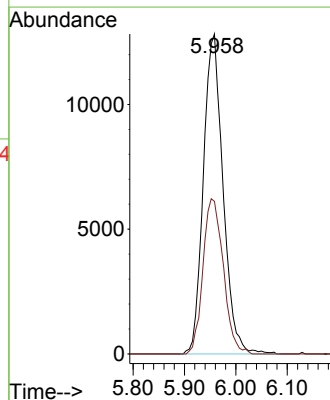
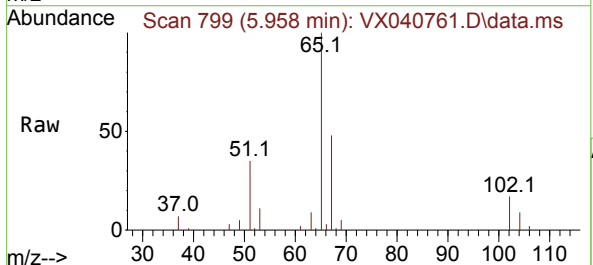
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

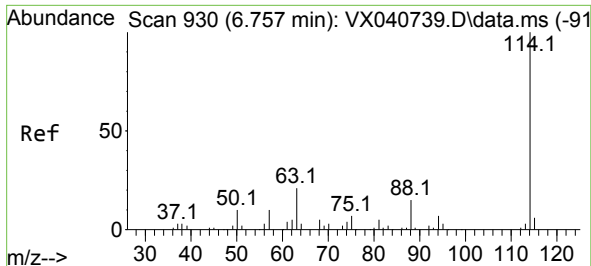
Tgt Ion: 56 Resp: 1092
Ion Ratio Lower Upper
56 100
69 181.2 23.4 35.2#
84 131.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.100 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 65 Resp: 34069
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

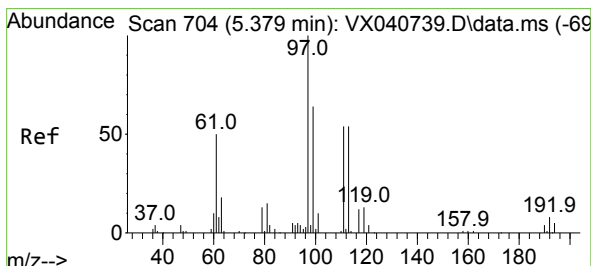
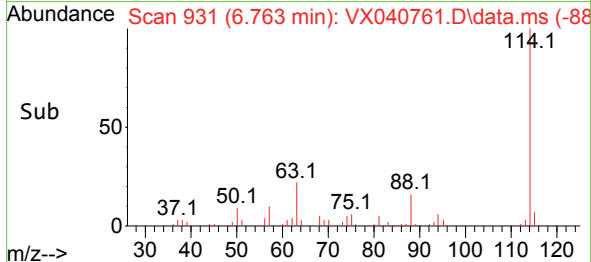
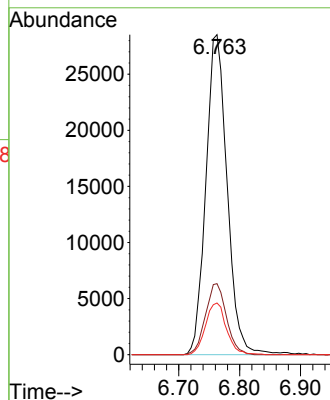
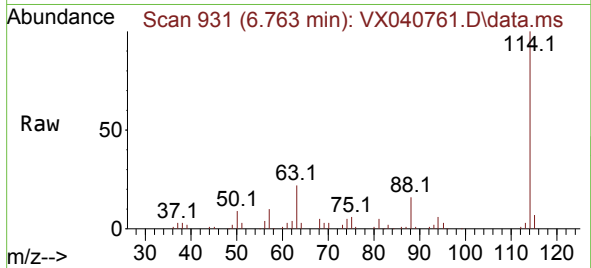




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

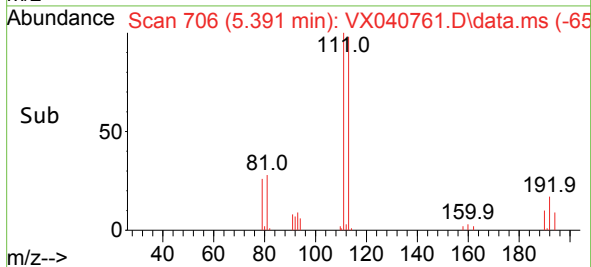
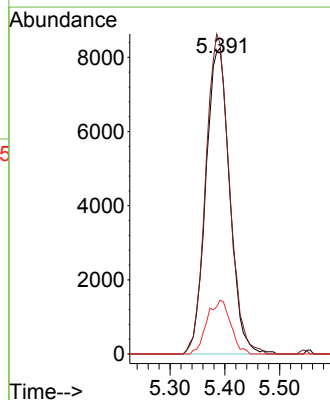
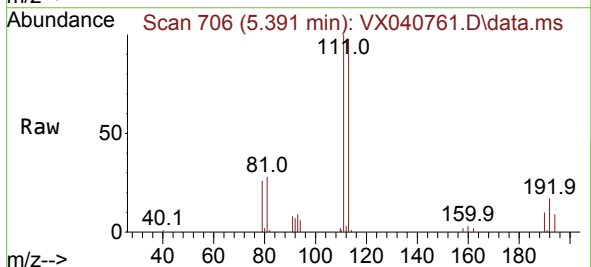
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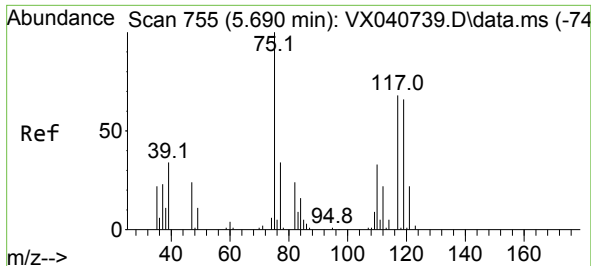
Tgt Ion:114 Resp: 69104
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.107 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion:113 Resp: 24875
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 17.3 13.3 19.9

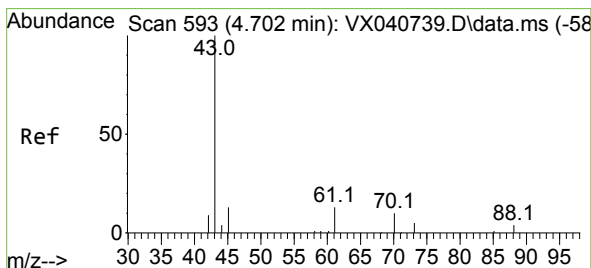
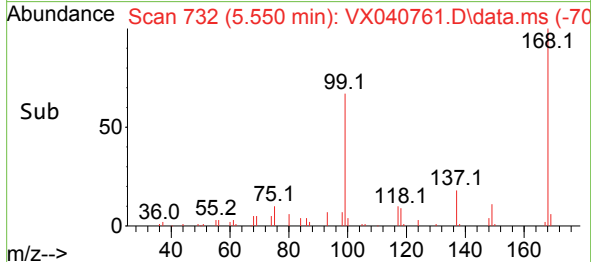
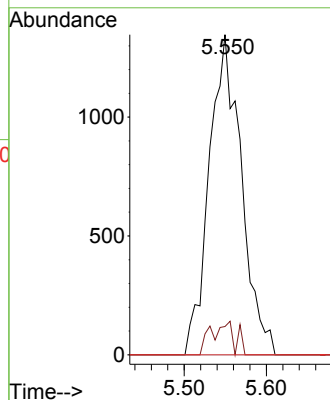
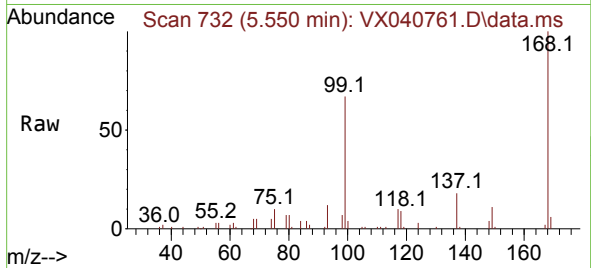




#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

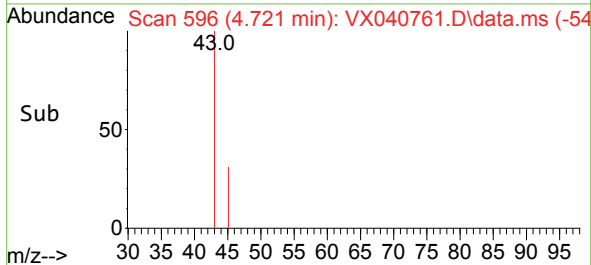
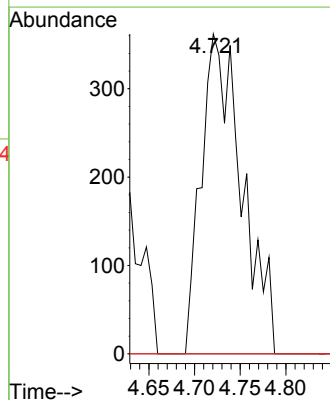
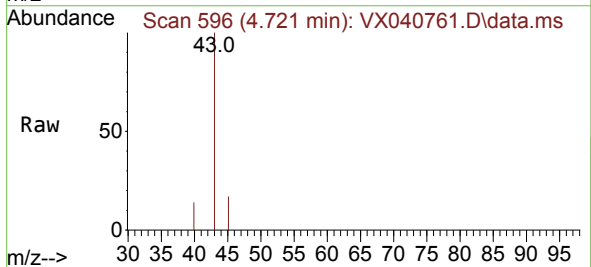
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

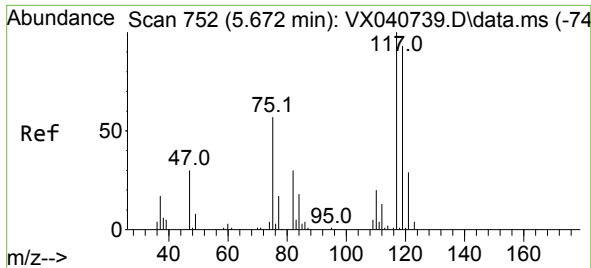
Tgt Ion: 75 Resp: 3661
Ion Ratio Lower Upper
75 100
110 5.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.296 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

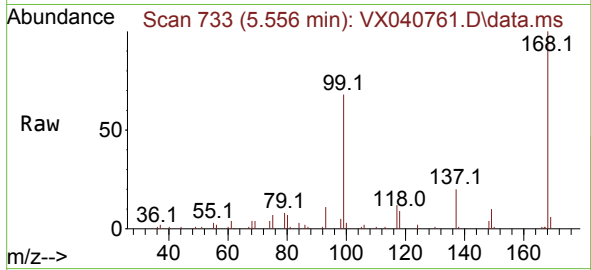
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



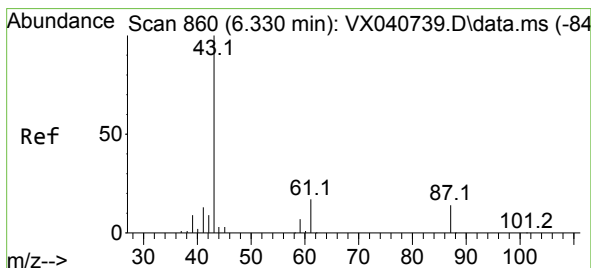
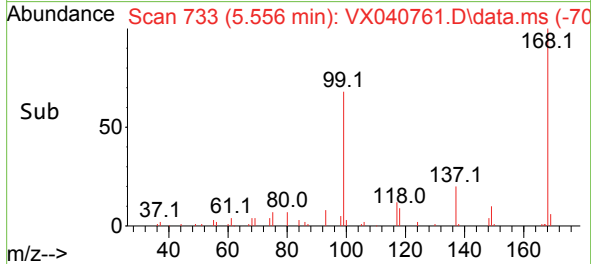
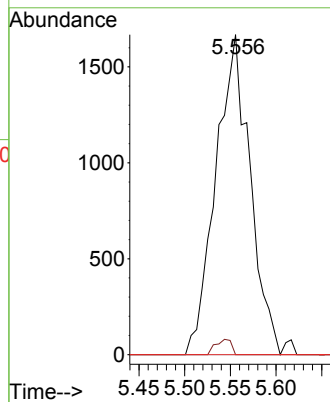


#38
Carbon Tetrachloride
Concen: 5.077 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

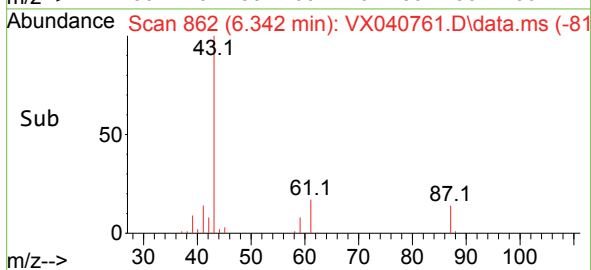
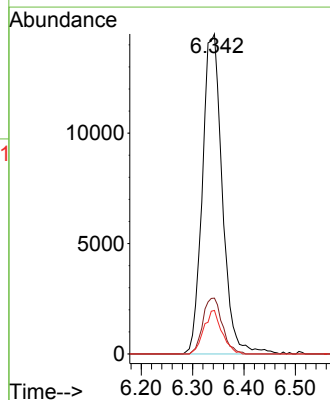
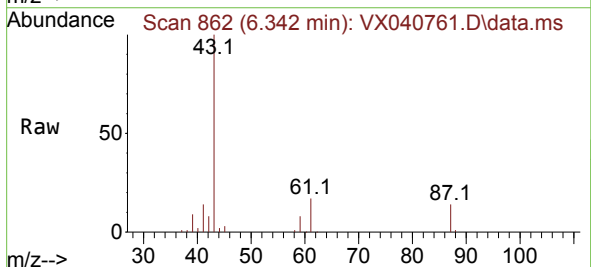


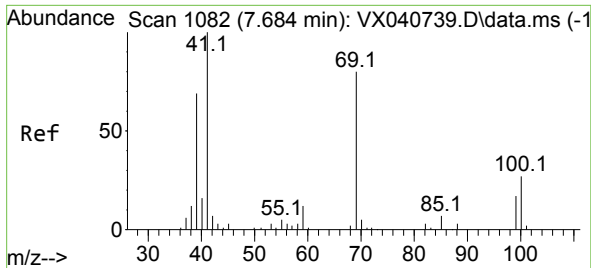
Tgt Ion:117 Resp: 4351
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 28.712 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 43 Resp: 38979
Ion Ratio Lower Upper
43 100
61 17.1 15.2 22.8
87 12.3 9.8 14.6

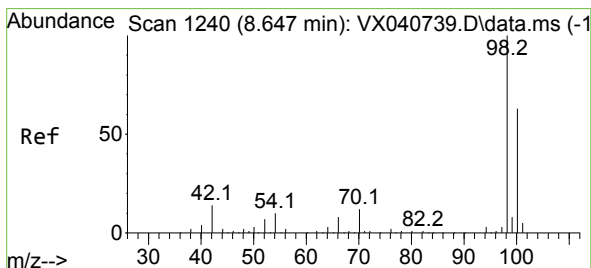
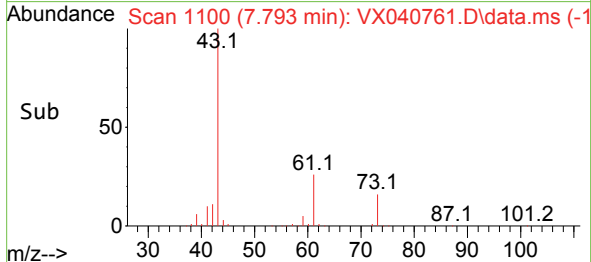
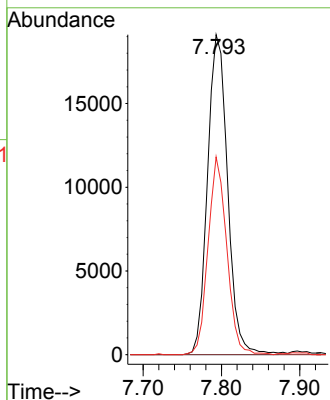
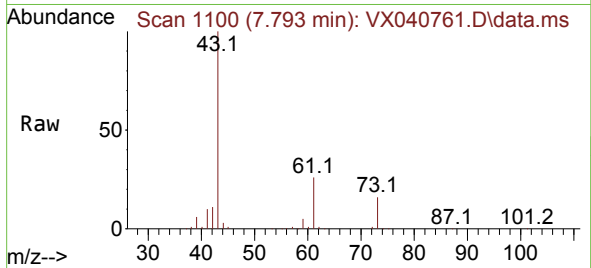




#48
Methyl methacrylate
Concen: 54.792 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

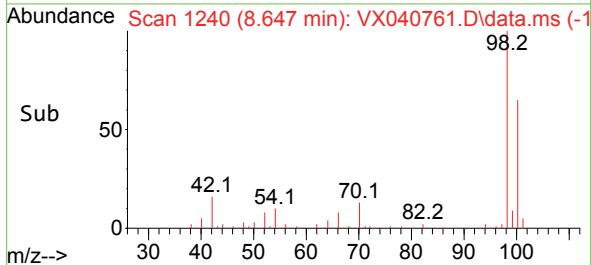
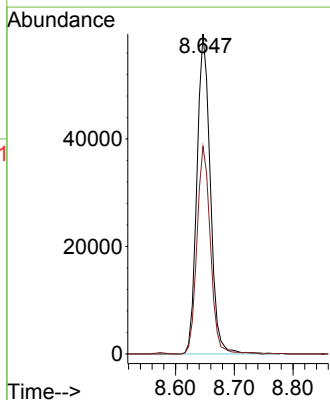
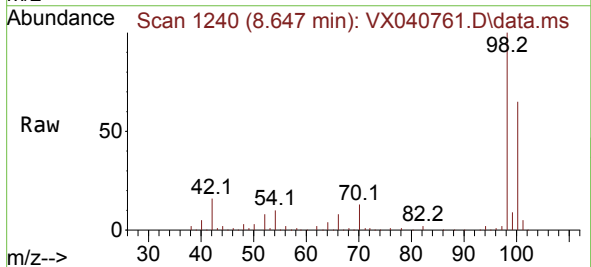
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

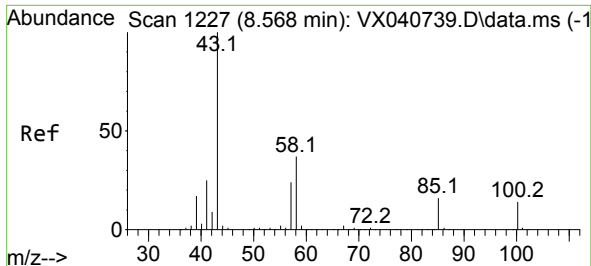
Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	57.7	47.7	71.5



#50
Toluene-d8
Concen: 53.045 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.1	79.7

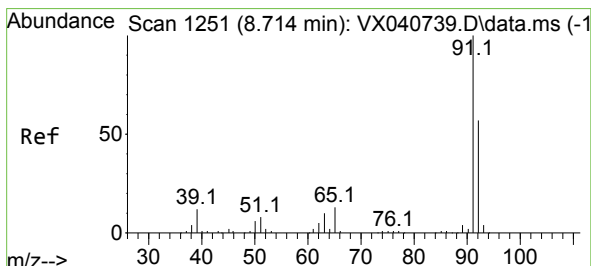
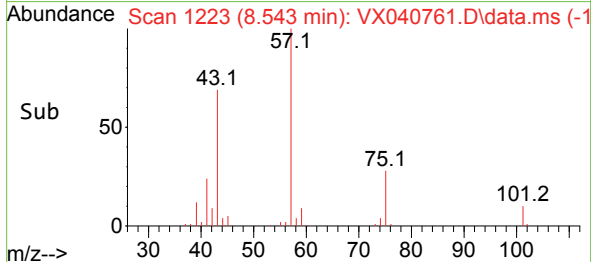
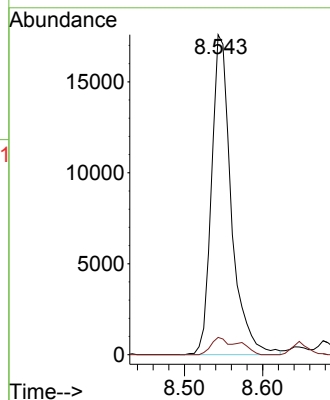
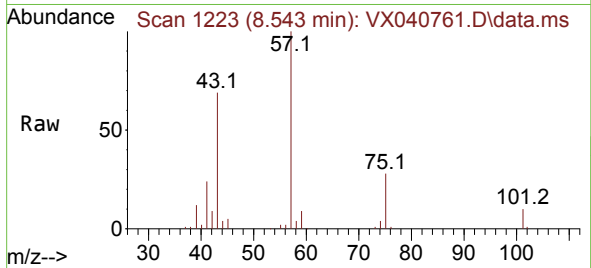




#51
4-Methyl-2-Pentanone
Concen: 36.623 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

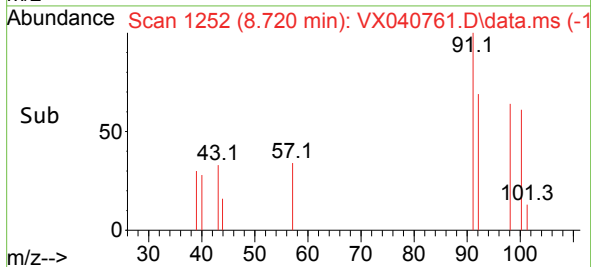
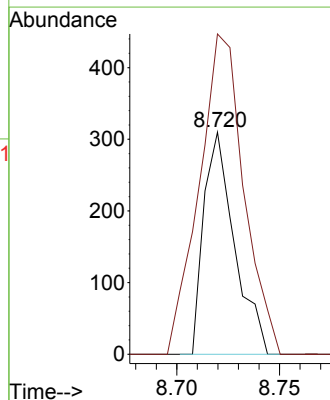
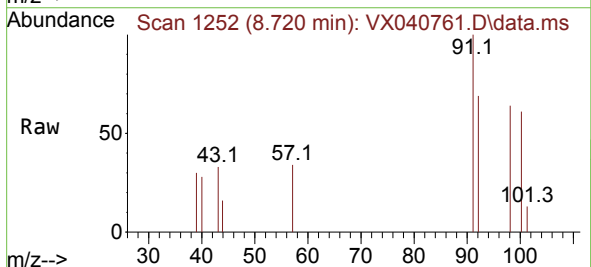
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

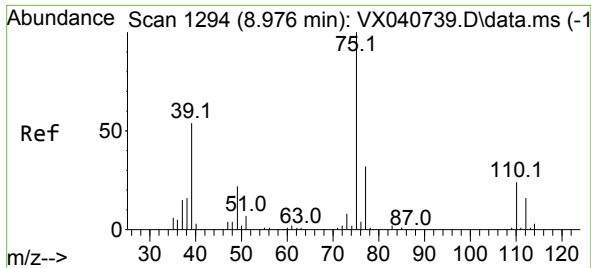
Tgt Ion: 43 Resp: 30833
Ion Ratio Lower Upper
43 100
58 4.9 30.4 45.6#



#52
Toluene
Concen: 0.257 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 92 Resp: 322
Ion Ratio Lower Upper
92 100
91 210.2 134.2 201.2#

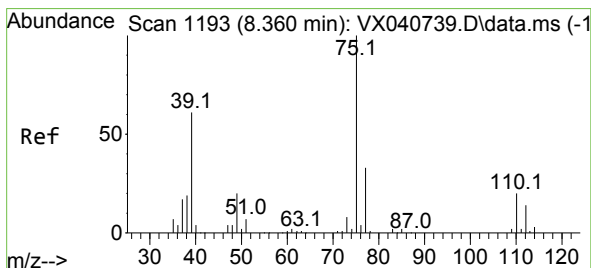
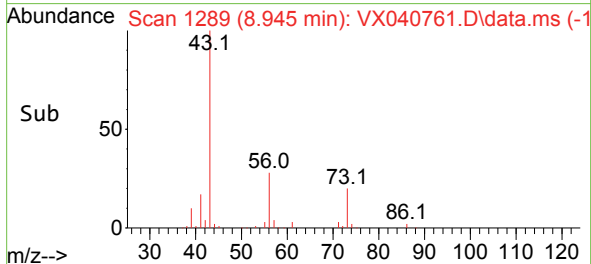
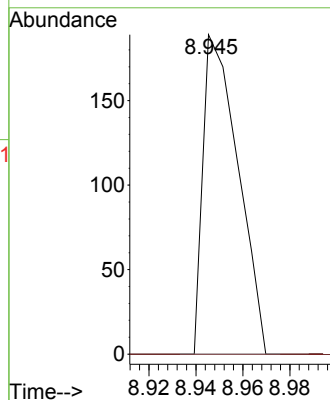
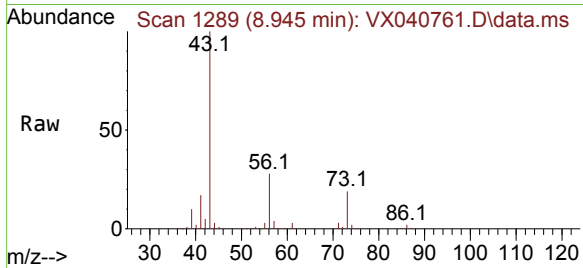




#53
 t-1,3-Dichloropropene
 Concen: 0.237 ug/l
 RT: 8.945 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX040761.D
 Acq: 21 Mar 2024 22:20

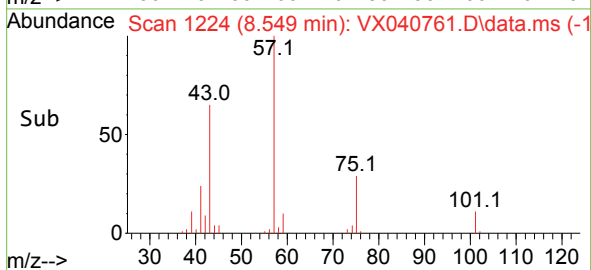
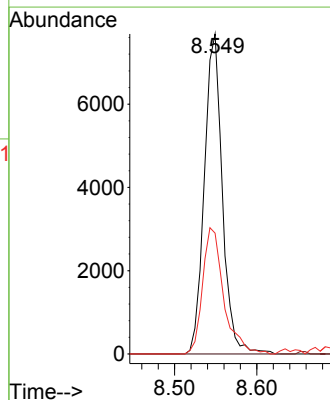
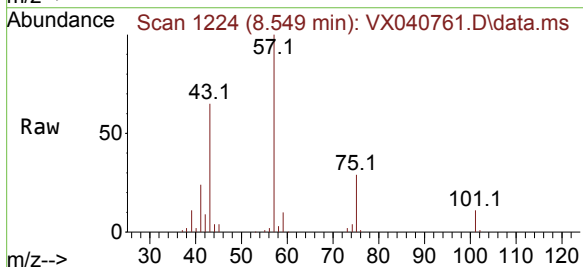
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#12

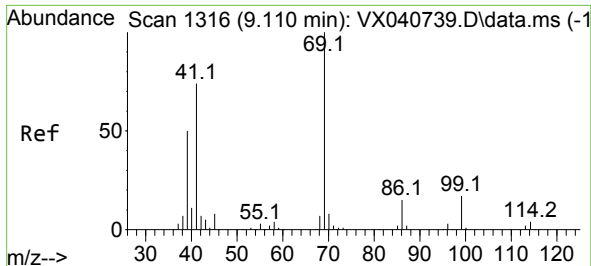
Tgt Ion: 75 Resp: 196
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.717 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX040761.D
 Acq: 21 Mar 2024 22:20

Tgt Ion: 75 Resp: 11714
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 37.7 46.7 70.1#

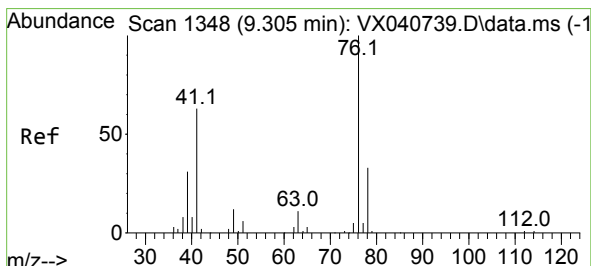
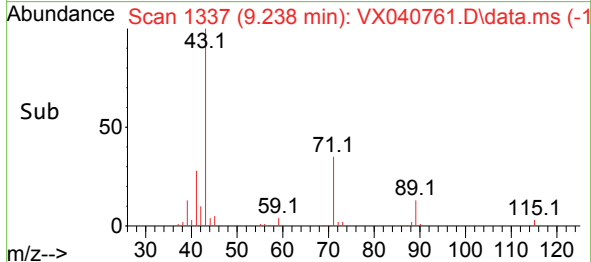
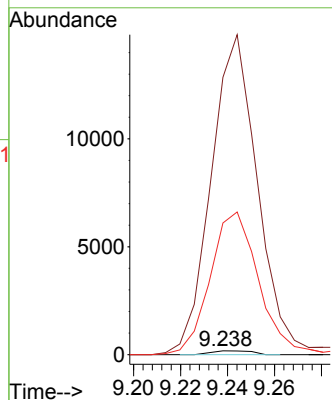
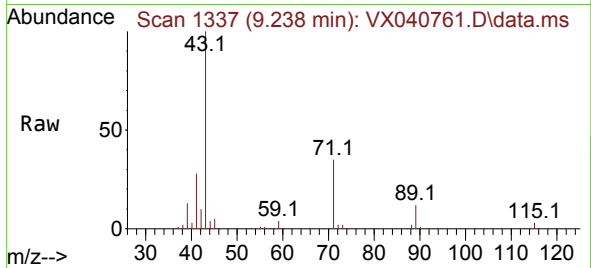




#56
Ethyl methacrylate
Concen: 0.254 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.128 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

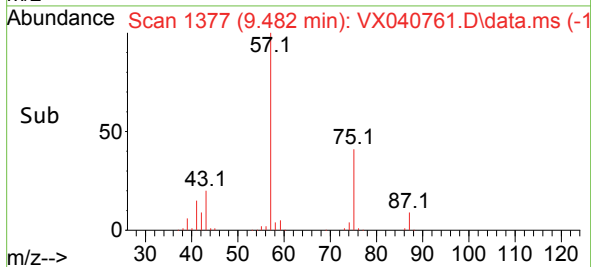
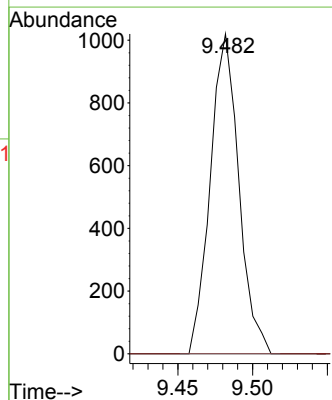
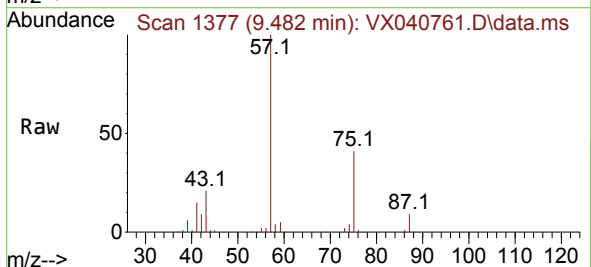
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

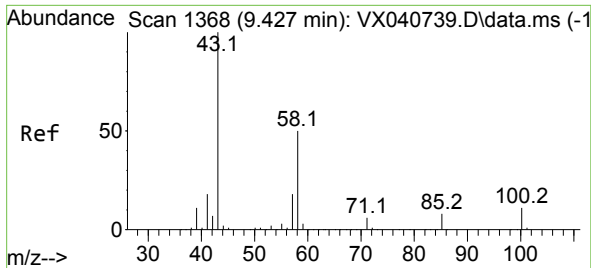
Tgt Ion: 69 Resp: 217
Ion Ratio Lower Upper
69 100
41 9451.2 56.8 85.2#
39 4378.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.555 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 76 Resp: 1355
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

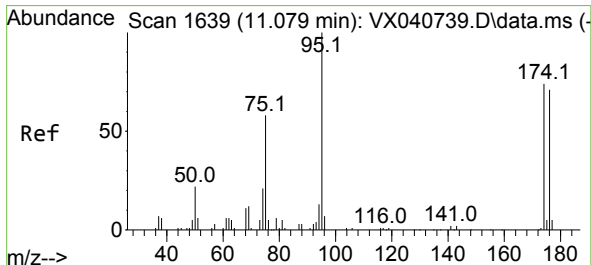
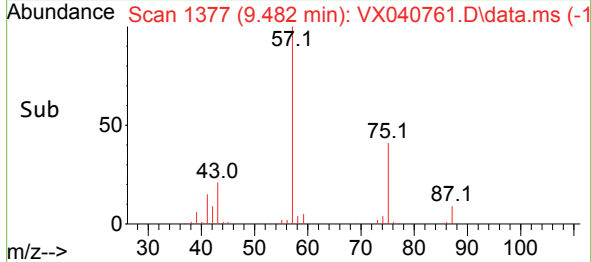
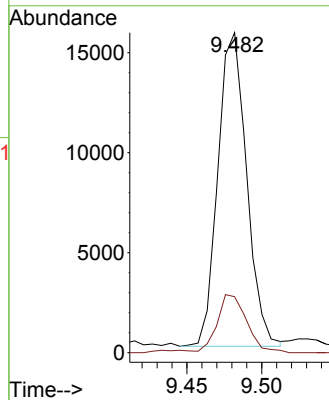
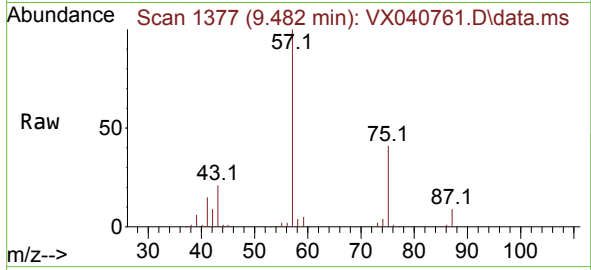




#59
2-Hexanone
Concen: 32.112 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

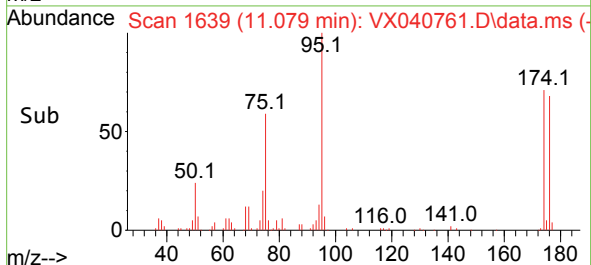
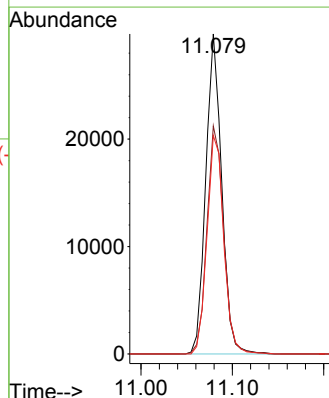
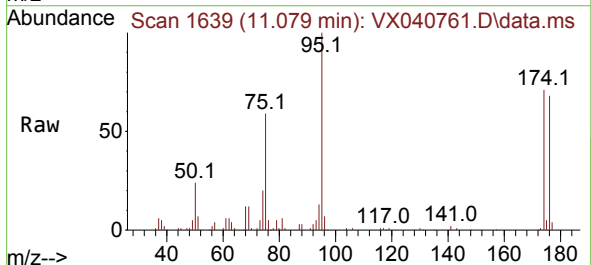
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

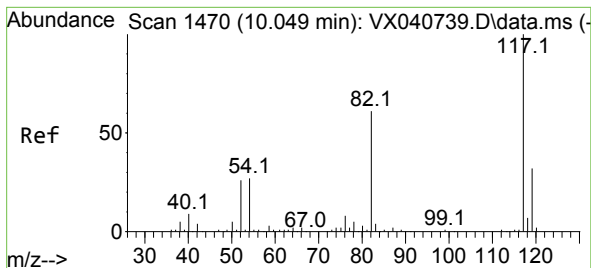
Tgt Ion: 43 Resp: 20943
Ion Ratio Lower Upper
43 100
58 19.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 95 Resp: 36020
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.6 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: VX040761.D

Acq: 21 Mar 2024 22:20

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#12

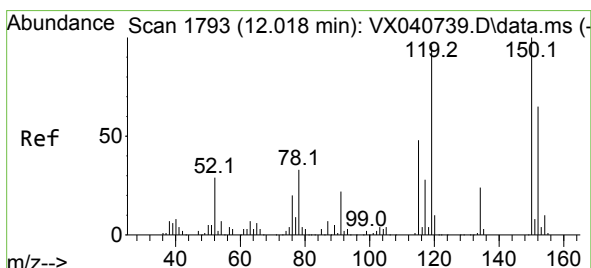
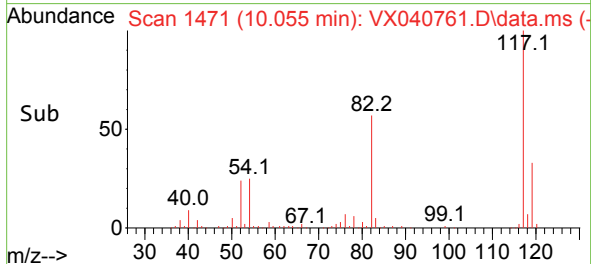
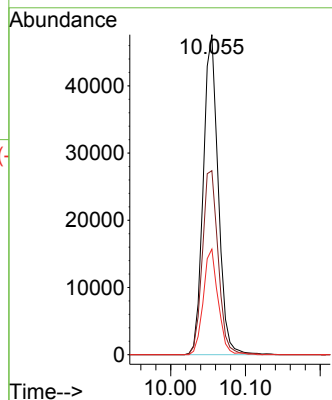
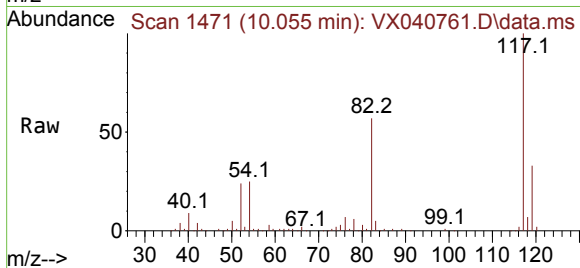
Tgt Ion:117 Resp: 66119

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 33.0 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: VX040761.D

Acq: 21 Mar 2024 22:20

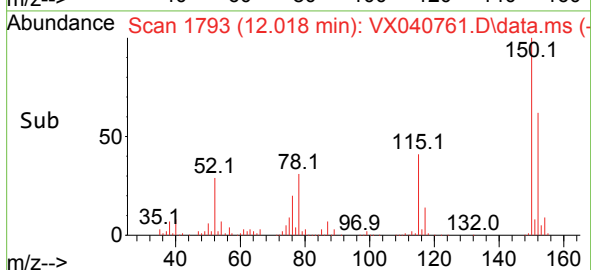
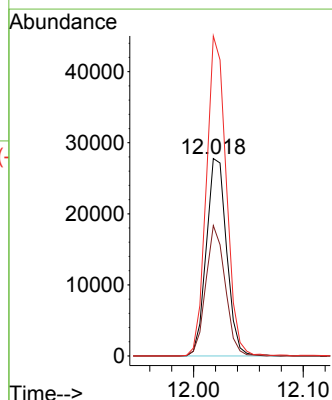
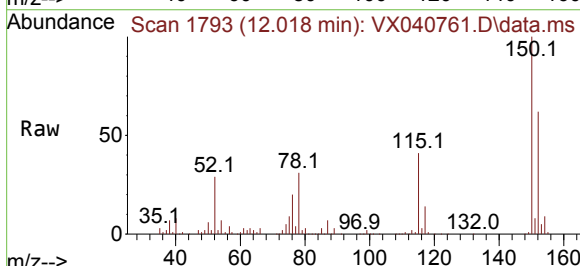
Tgt Ion:152 Resp: 35734

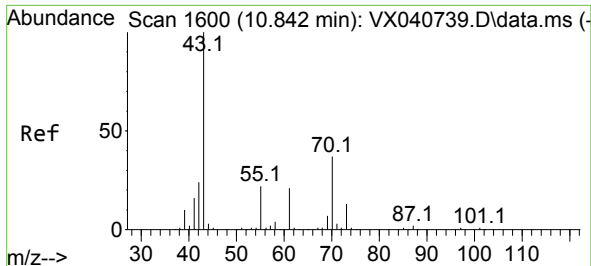
Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 158.2 0.0 345.0

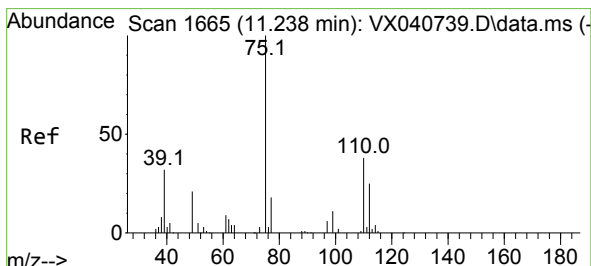
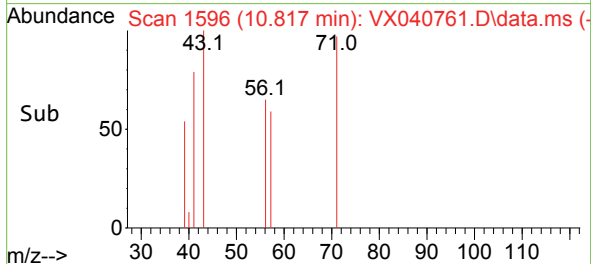
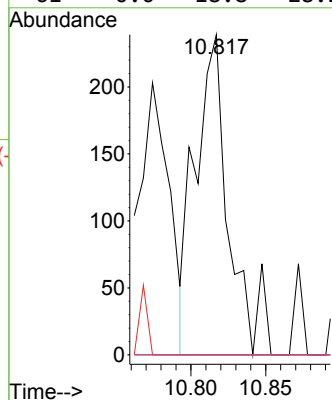
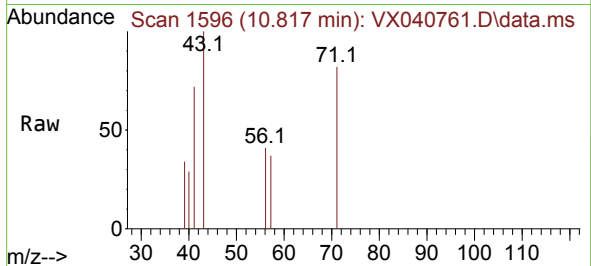




#74
N-amy1 acetate
Concen: 0.281 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.025 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

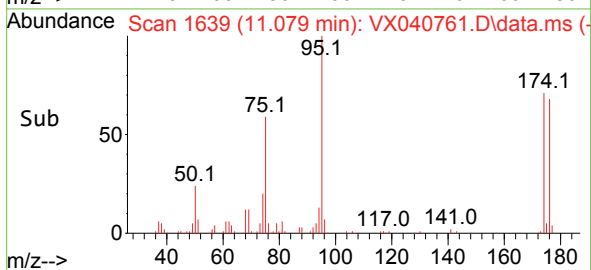
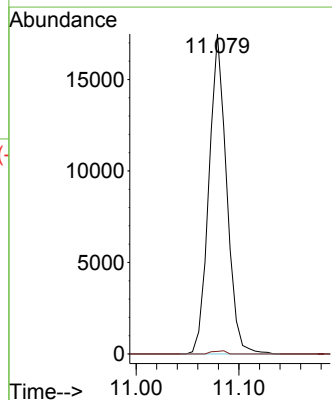
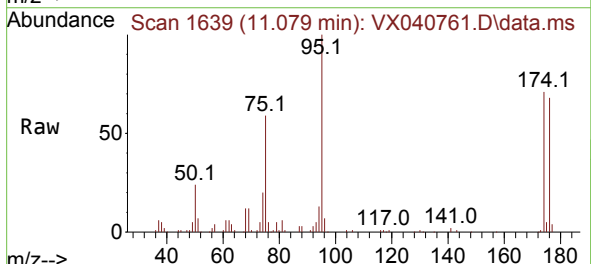
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

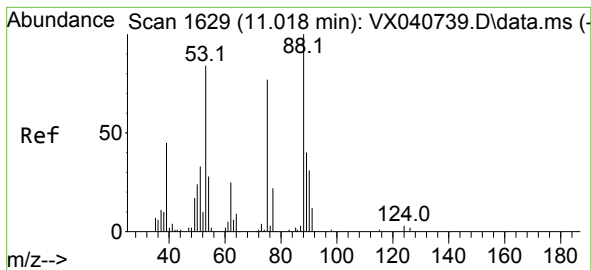
Tgt Ion: 43	Resp:	375
Ion Ratio	Lower	Upper
43 100		
70 0.0	32.9	49.3#
55 0.0	19.3	28.9#
61 0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 27.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Tgt Ion: 75	Resp: 20886
Ion Ratio	Lower Upper
75 100	
77 0.8	19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.750 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040761.D
Acq: 21 Mar 2024 22:20

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#12

Tgt Ion: 75 Resp: 20886
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

