

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040434.D
 Acq On : 23 Feb 2024 16:09
 Operator : JC/MD
 Sample : PB159217ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#04

Quant Time: Feb 23 22:21:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

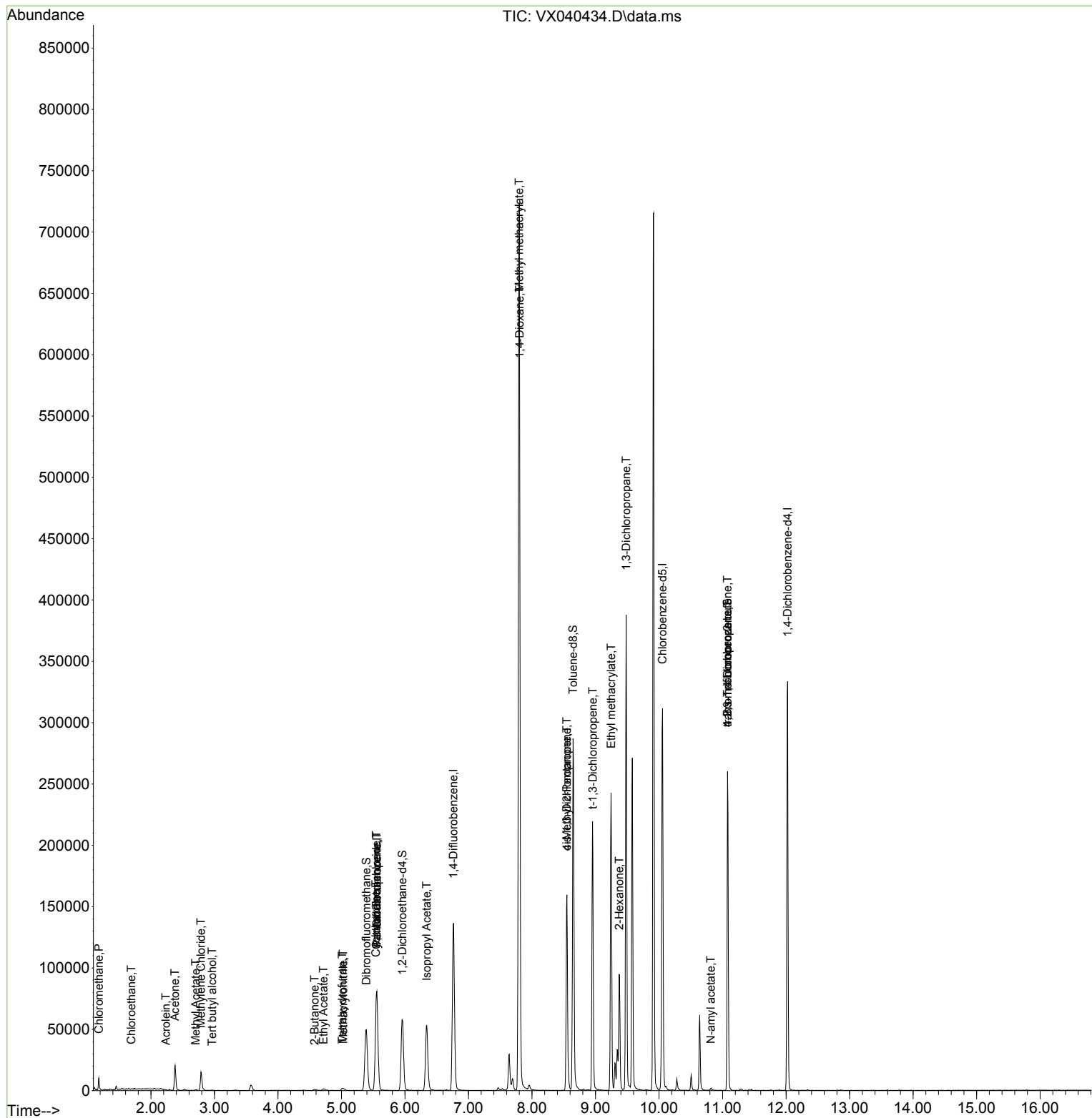
Internal Standards						
1) Pentafluorobenzene	5.556	168	71761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59238	50.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.391	113	43160	49.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	8.647	98	164895	52.171	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.340%			
62) 4-Bromofluorobenzene	11.079	95	64217	50.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.400%			
Target Compounds					Qvalue	
3) Chloromethane	1.178	50	487	0.498	ug/l #	43
6) Chloroethane	1.691	64	158	0.269	ug/l #	43
11) Tert butyl alcohol	2.965	59	239	1.058	ug/l #	78
13) Acrolein	2.233	56	222	0.821	ug/l	94
16) Acetone	2.379	43	21292	43.725	ug/l	95
18) Methyl Acetate	2.703	43	925	0.733	ug/l #	87
20) Methylene Chloride	2.788	84	6840	6.708	ug/l	93
25) 2-Butanone	4.574	43	1721	2.267	ug/l	98
29) Tetrahydrofuran	5.013	42	1853	3.667	ug/l #	44
31) Cyclohexane	5.544	56	1913	1.365	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	6533	4.824	ug/l #	51
37) Ethyl Acetate	4.714	43	2474	1.599	ug/l #	87
38) Carbon Tetrachloride	5.550	117	7889	6.297	ug/l #	14
41) Methacrylonitrile	5.025	41	1125	1.369	ug/l #	53
43) Isopropyl Acetate	6.342	43	75209	31.680	ug/l	98
48) Methyl methacrylate	7.799	41	67688	57.573	ug/l #	51
49) 1,4-Dioxane	7.805	88	111	4.684	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59182	36.705	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	483	0.349	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22932	15.554	ug/l #	67
56) Ethyl methacrylate	9.244	69	556	0.376	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3161	1.877	ug/l #	42
59) 2-Hexanone	9.372	43	72439	58.253	ug/l #	26
74) N-amyl acetate	10.817	43	754	0.354	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	37009	25.667	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	37009	89.309	ug/l #	5

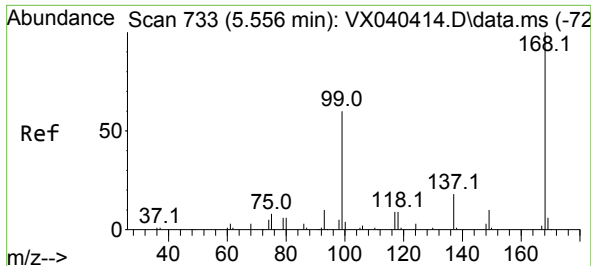
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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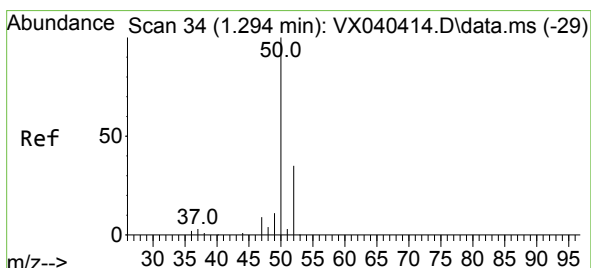
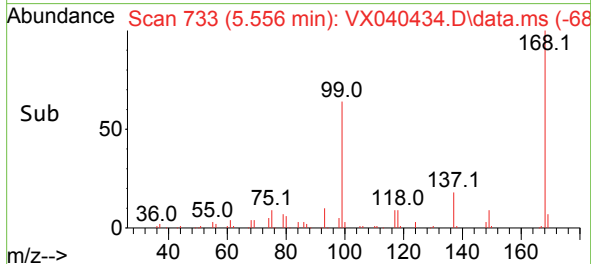
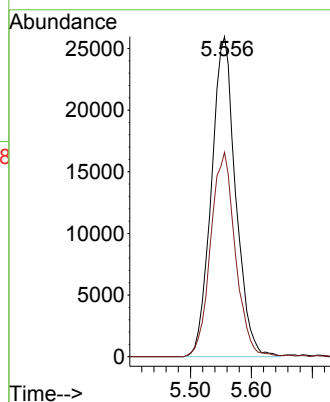
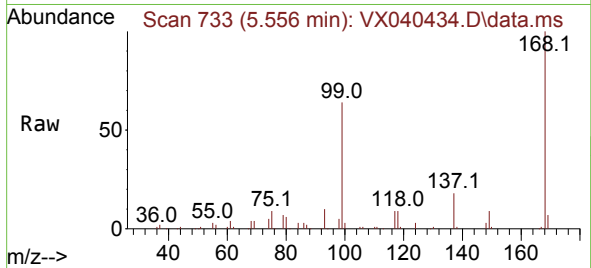




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

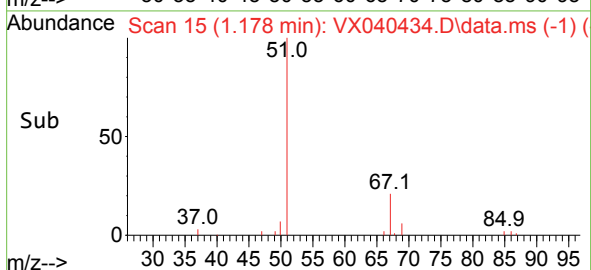
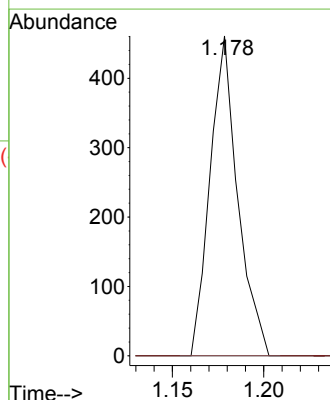
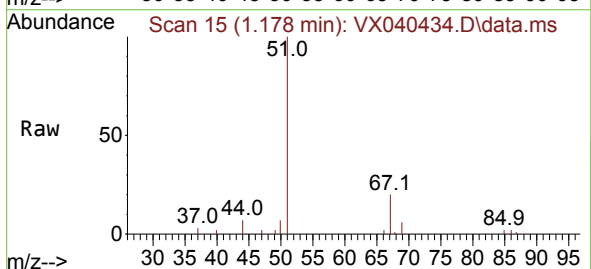
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

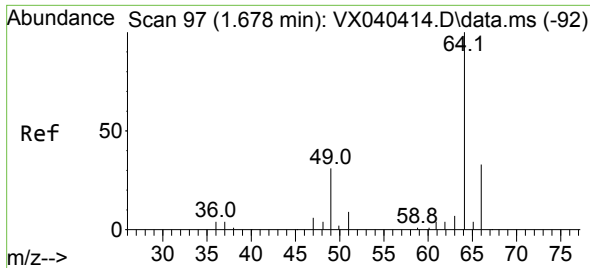
Tgt Ion:168 Resp: 71761
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#3
Chloromethane
Concen: 0.498 ug/l
RT: 1.178 min Scan# 15
Delta R.T. -0.116 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 50 Resp: 487
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

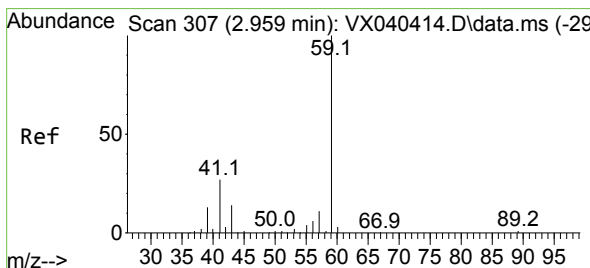
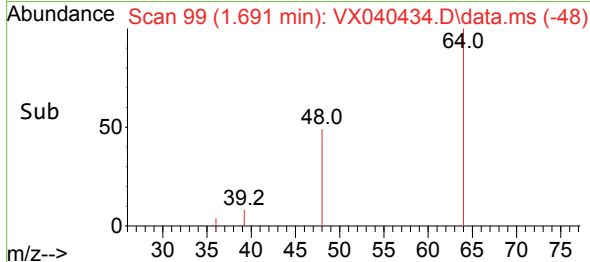
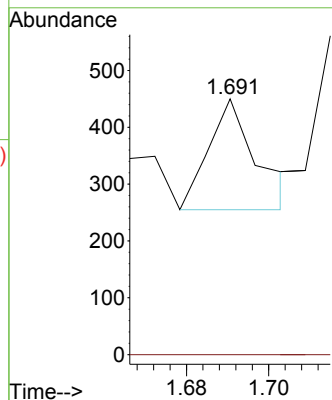
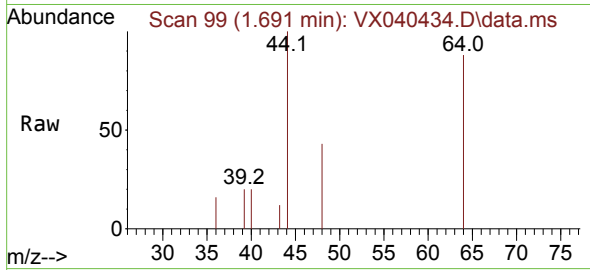




#6
Chloroethane
Concen: 0.269 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

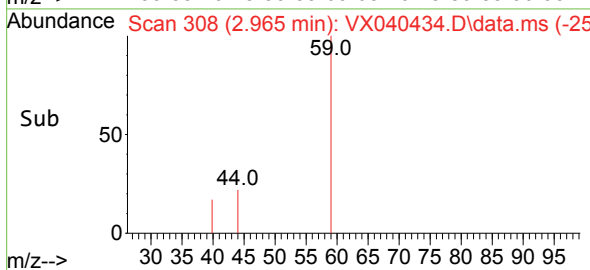
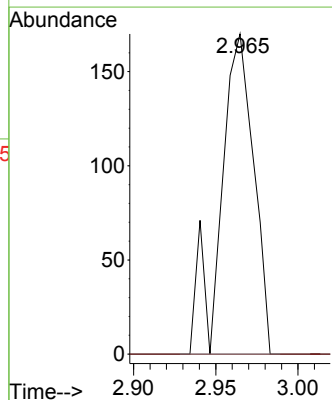
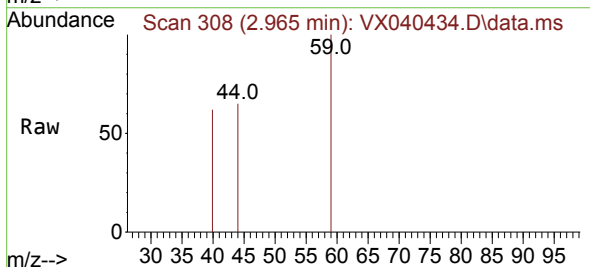
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

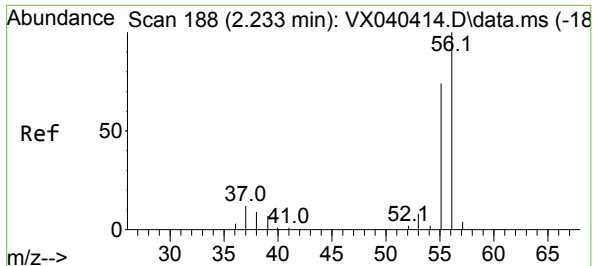
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.058 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.821 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Instrument :

MSVOA_X

ClientSampleId :

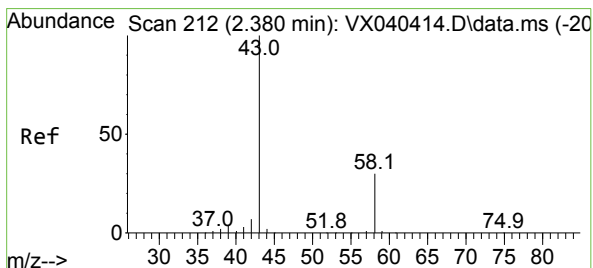
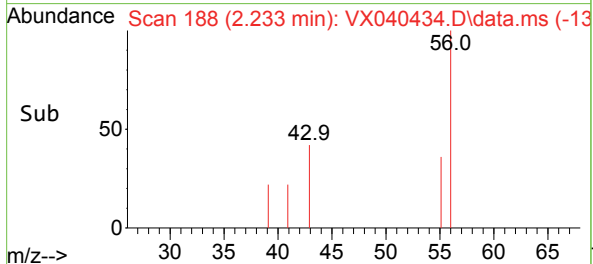
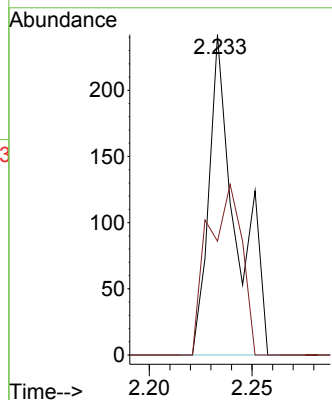
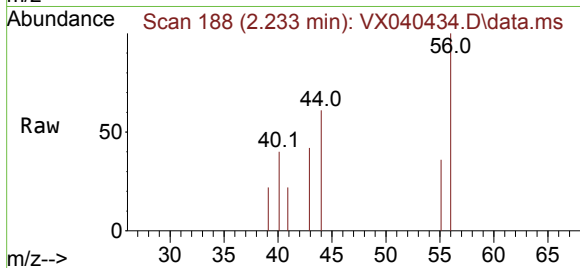
PB159217ZHE#04

Tgt Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 66.2 57.1 85.7



#16

Acetone

Concen: 43.725 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX040434.D

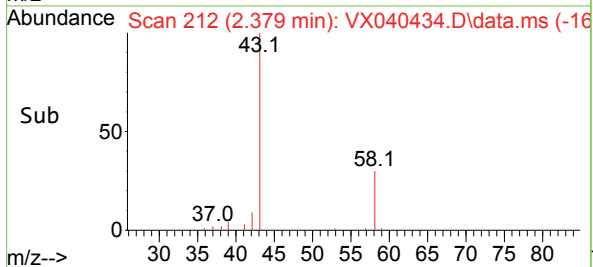
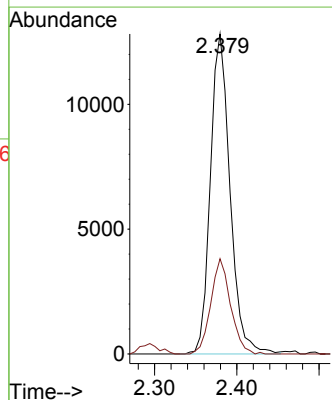
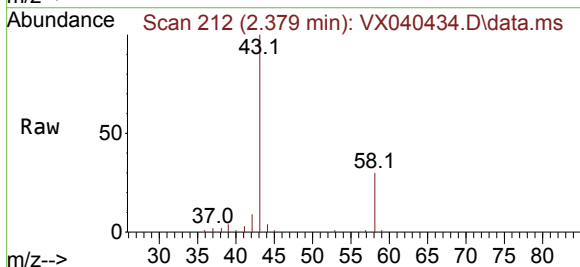
Acq: 23 Feb 2024 16:09

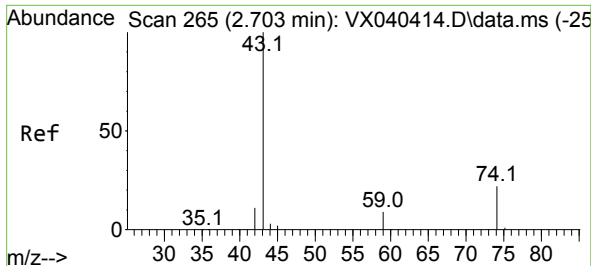
Tgt Ion: 43 Resp: 21292

Ion Ratio Lower Upper

43 100

58 29.7 21.9 32.9

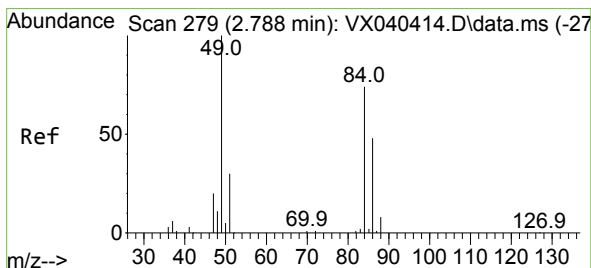
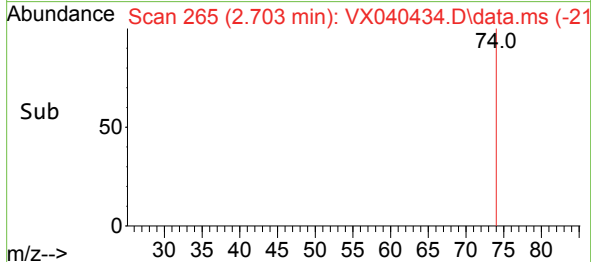
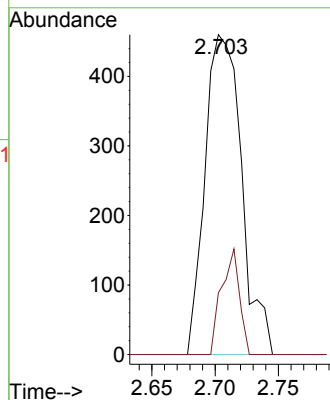
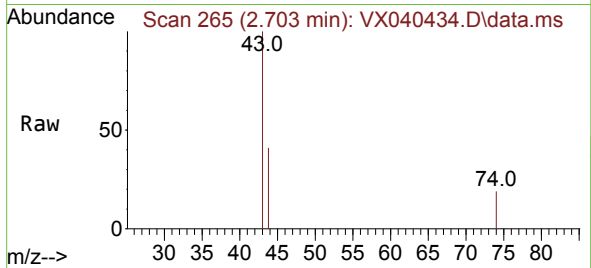




#18
Methyl Acetate
Concen: 0.733 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

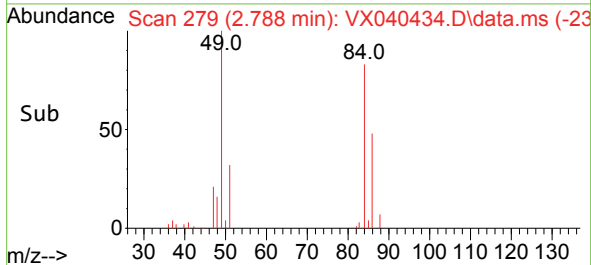
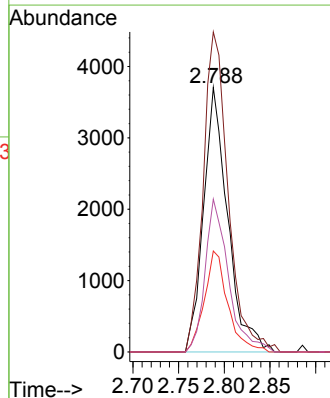
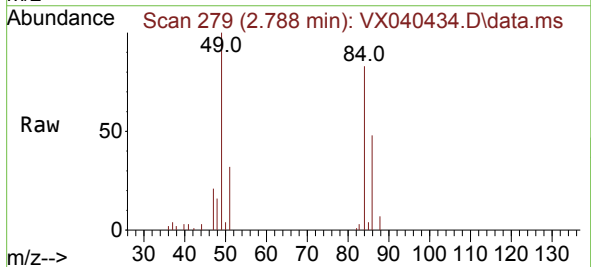
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

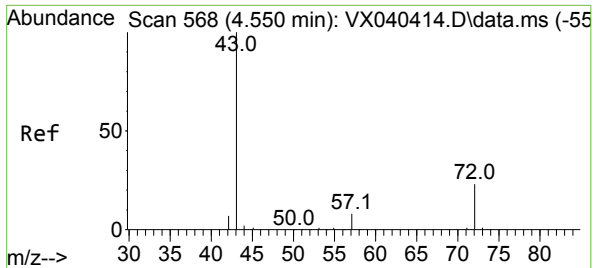
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
74 16.2 17.8 26.8#



#20
Methylene Chloride
Concen: 6.708 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 84 Resp: 6840
Ion Ratio Lower Upper
84 100
49 121.0 103.6 155.4
51 38.2 33.8 50.6
86 57.8 49.4 74.0





#25

2-Butanone

Concen: 2.267 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Instrument :

MSVOA_X

ClientSampleId :

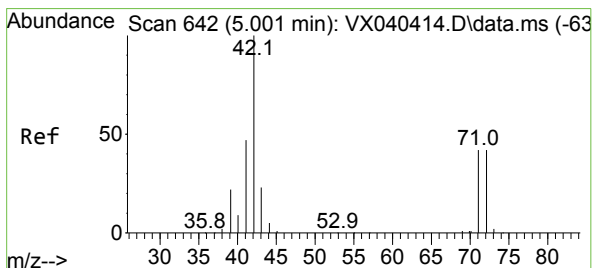
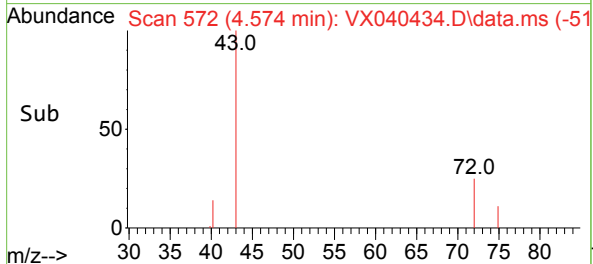
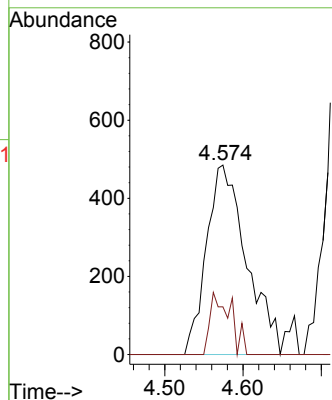
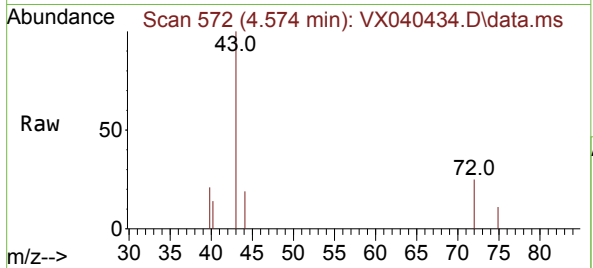
PB159217ZHE#04

Tgt Ion: 43 Resp: 1721

Ion Ratio Lower Upper

43 100

72 25.2 19.4 29.2



#29

Tetrahydrofuran

Concen: 3.667 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

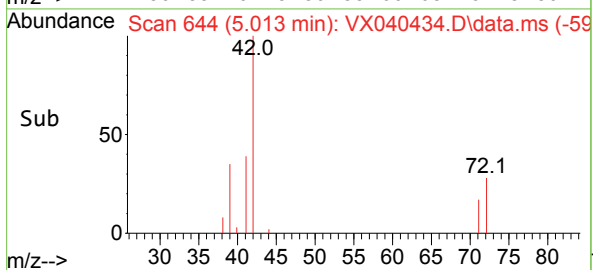
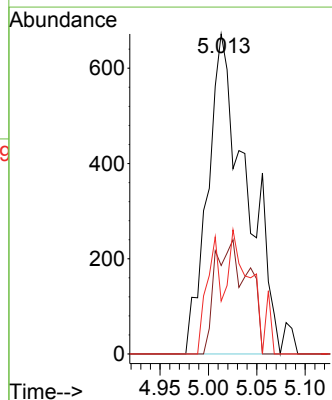
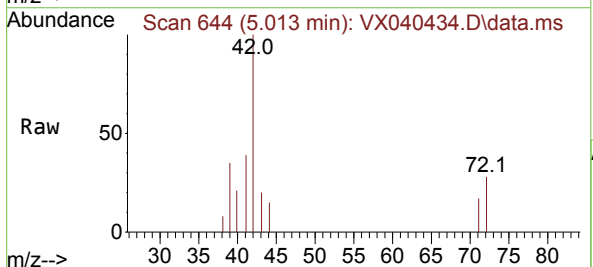
Tgt Ion: 42 Resp: 1853

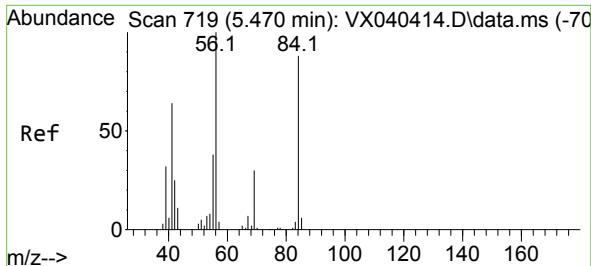
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

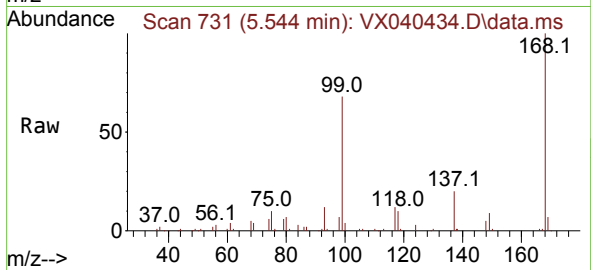
71 12.7 32.2 48.2#



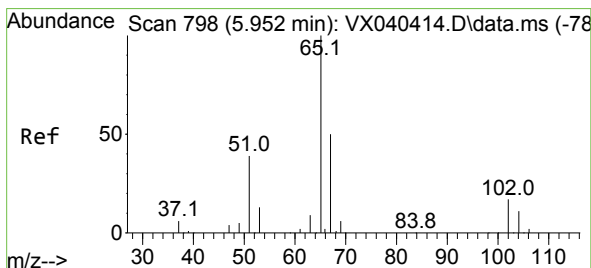
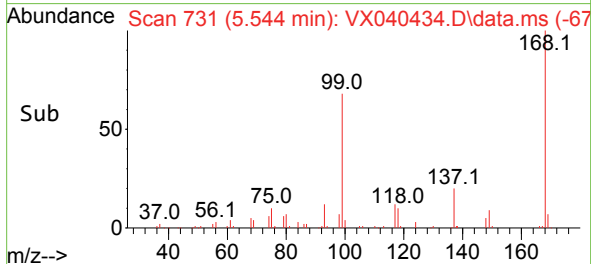
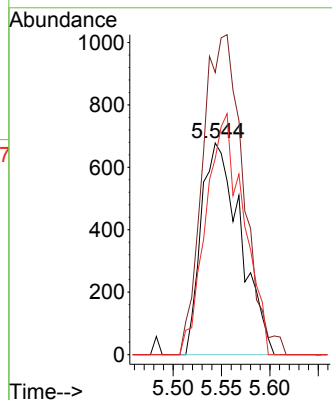


#31
Cyclohexane
Concen: 1.365 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Instrument :
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PB159217ZHE#04

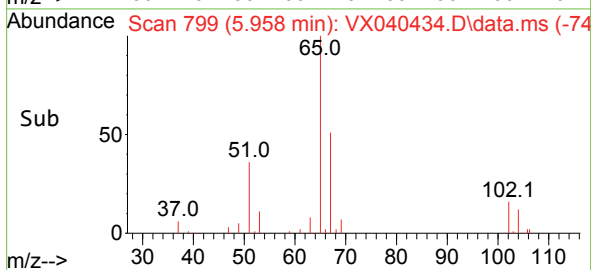
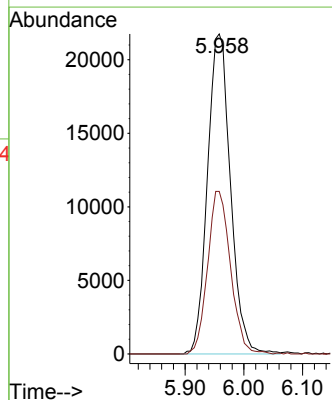
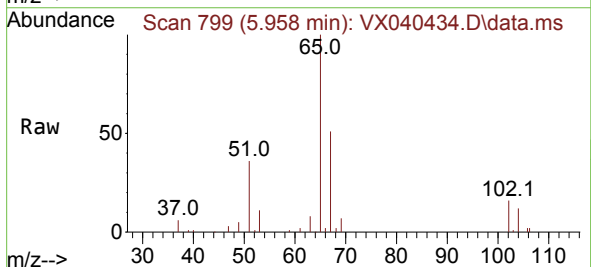


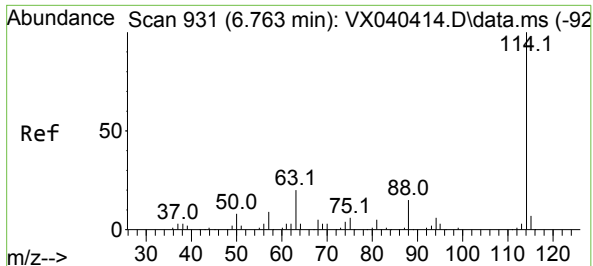
Tgt Ion: 56 Resp: 1913
Ion Ratio Lower Upper
56 100
69 133.3 23.4 35.2#
84 92.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.688 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 65 Resp: 59238
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

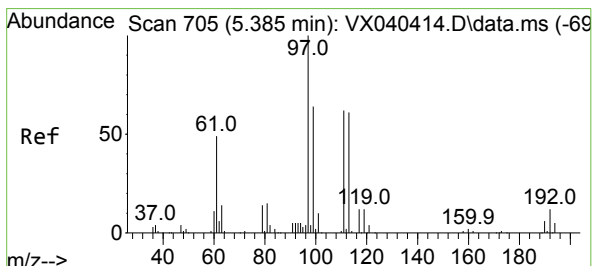
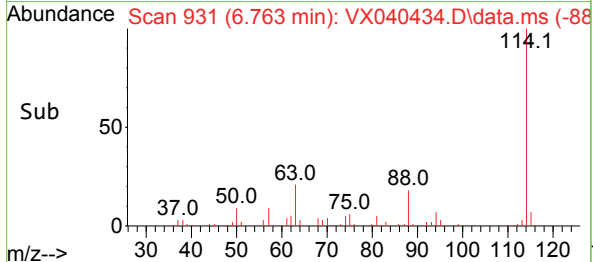
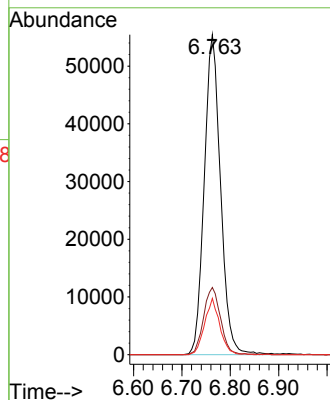
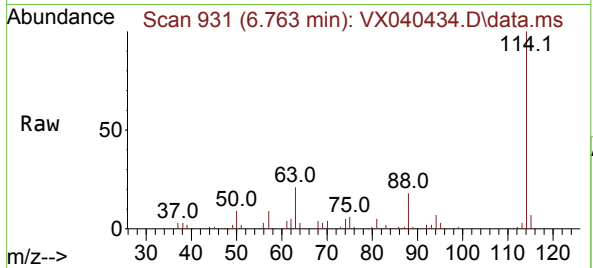




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

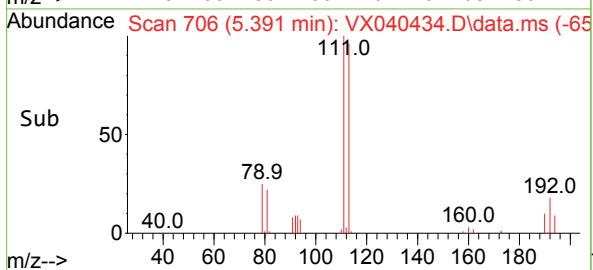
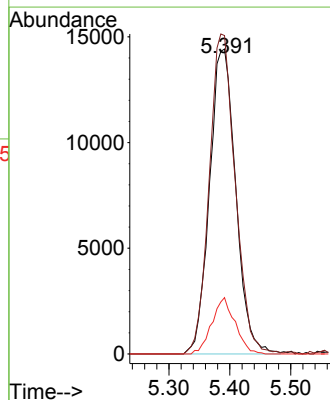
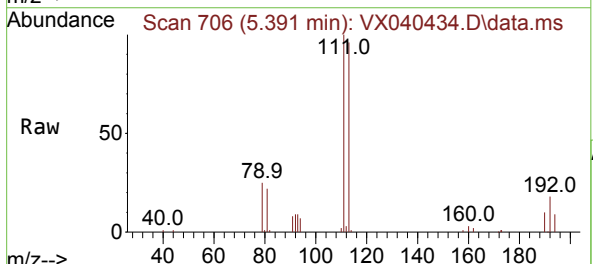
Instrument :
MSVOA_X
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PB159217ZHE#04

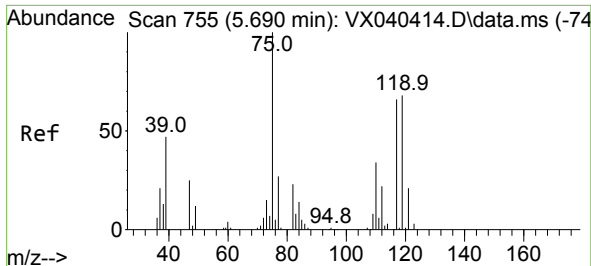
Tgt Ion:114 Resp: 129849
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.325 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion:113 Resp: 43160
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.4 13.3 19.9

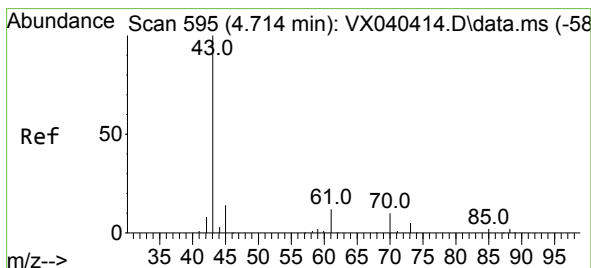
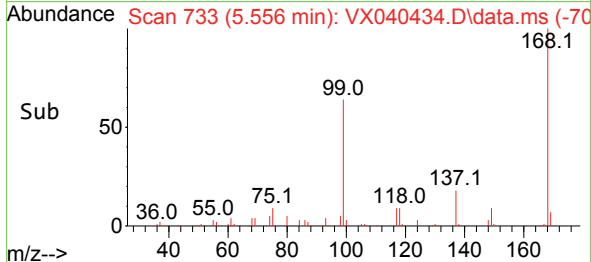
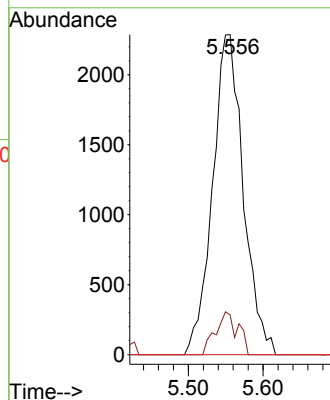
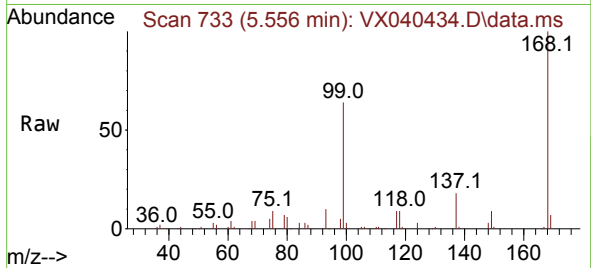




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

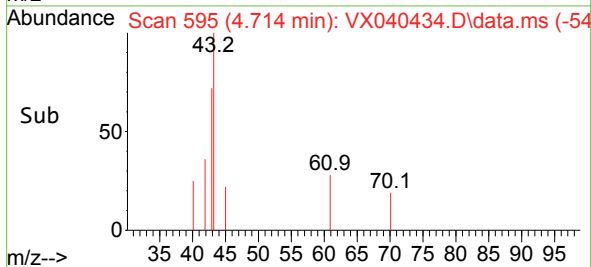
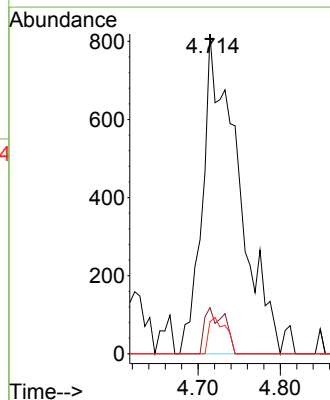
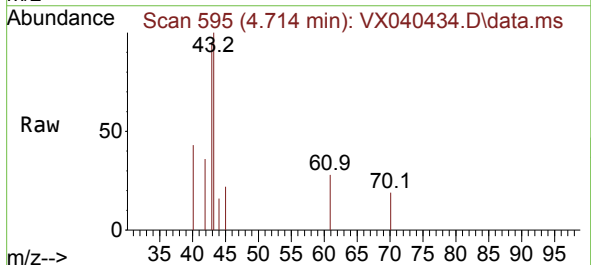
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

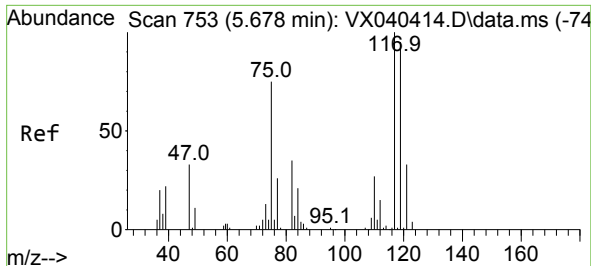
Tgt Ion: 75 Resp: 6533
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.599 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

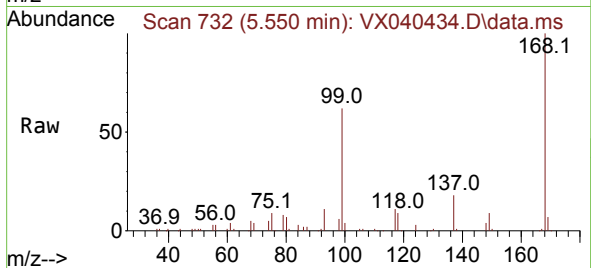
Tgt Ion: 43 Resp: 2474
Ion Ratio Lower Upper
43 100
61 7.9 10.6 16.0#
70 5.5 8.3 12.5#



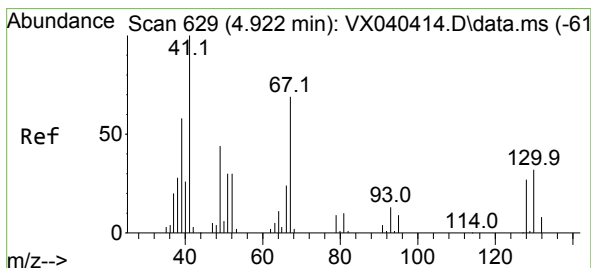
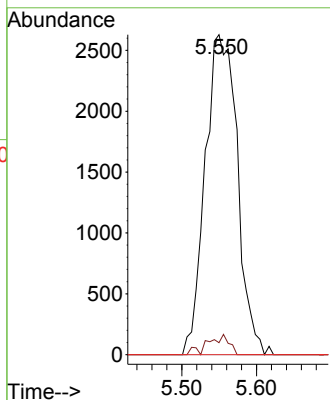
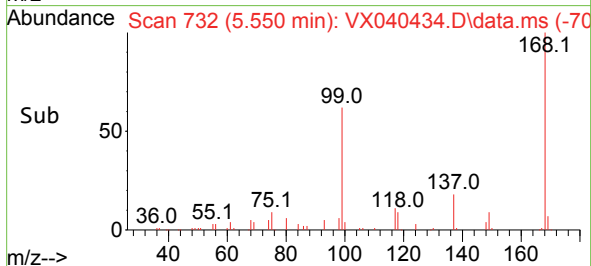


#38
Carbon Tetrachloride
Concen: 6.297 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

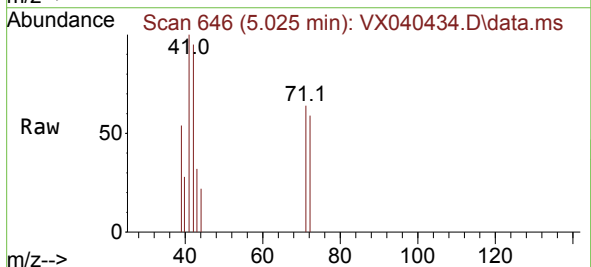
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04



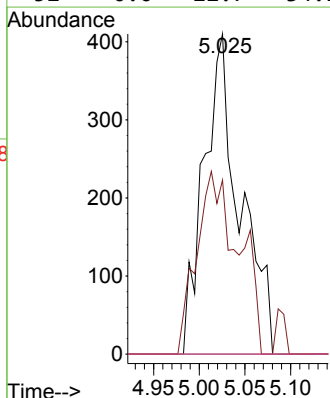
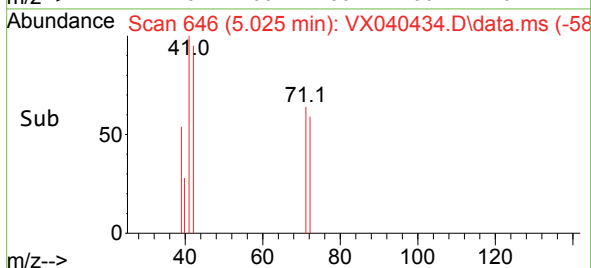
Tgt Ion:117 Resp: 7889
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#

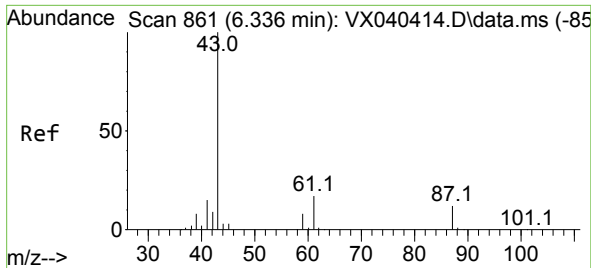


#41
Methacrylonitrile
Concen: 1.369 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09



Tgt Ion: 41 Resp: 1125
Ion Ratio Lower Upper
41 100
39 54.1 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

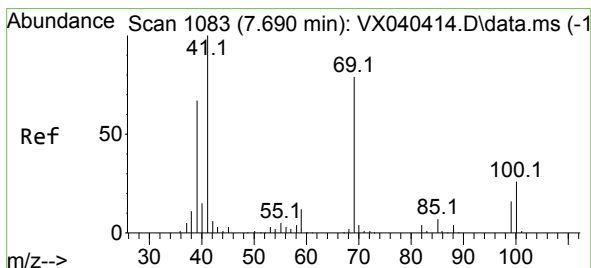
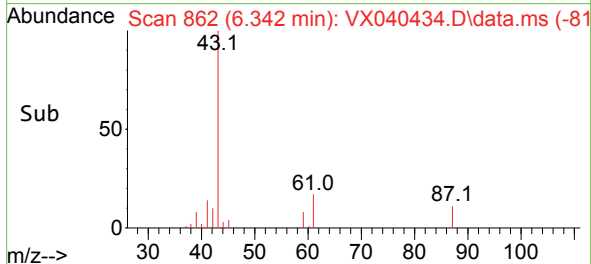
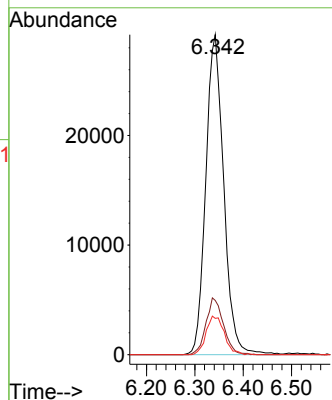
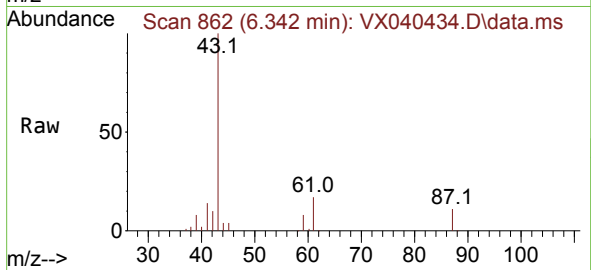




#43
Isopropyl Acetate
Concen: 31.680 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

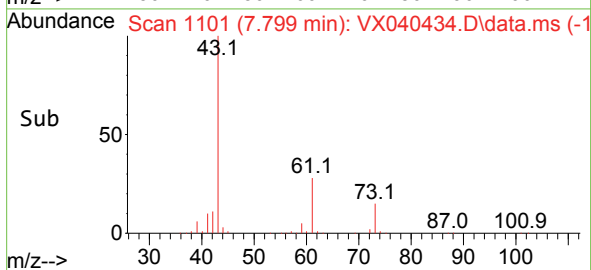
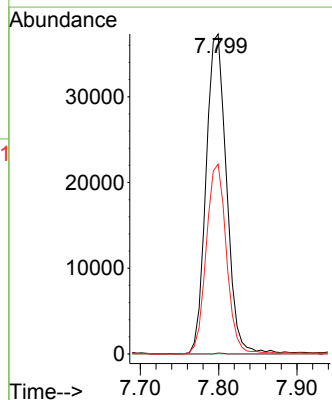
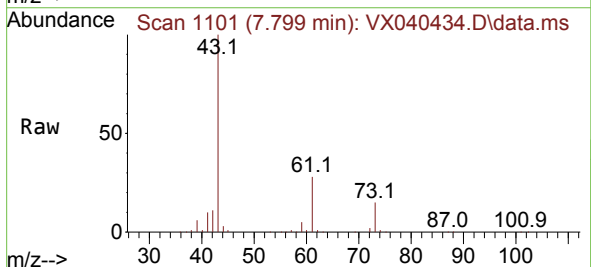
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

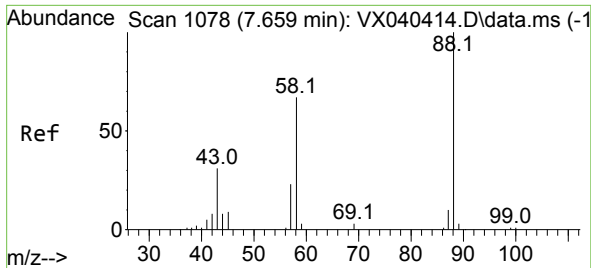
Tgt Ion: 43 Resp: 75209
Ion Ratio Lower Upper
43 100
61 17.2 15.2 22.8
87 12.2 9.8 14.6



#48
Methyl methacrylate
Concen: 57.573 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 41 Resp: 67688
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 58.7 47.7 71.5

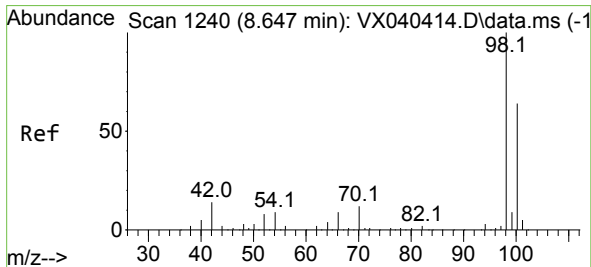
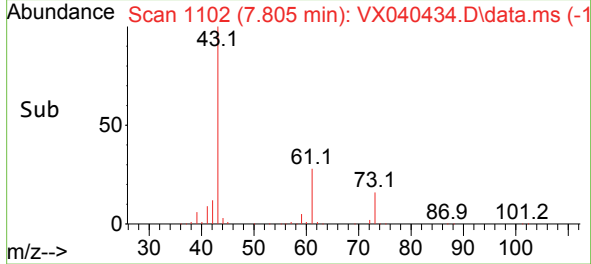
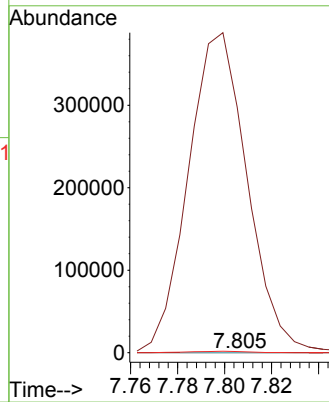
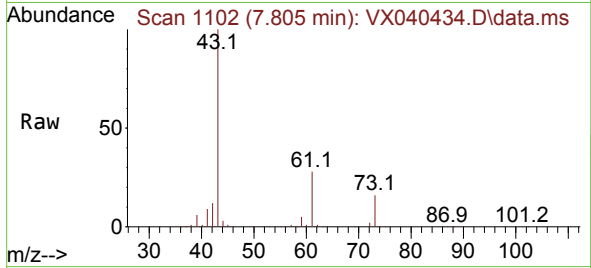




#49
1,4-Dioxane
Concen: 4.684 ug/l
RT: 7.805 min Scan# 111
Delta R.T. 0.146 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

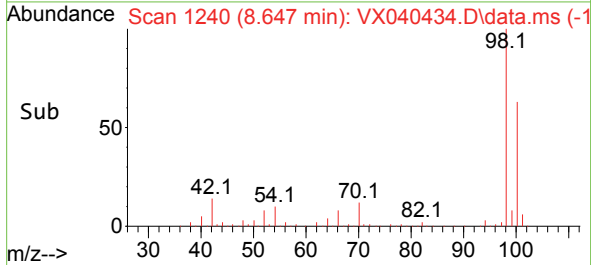
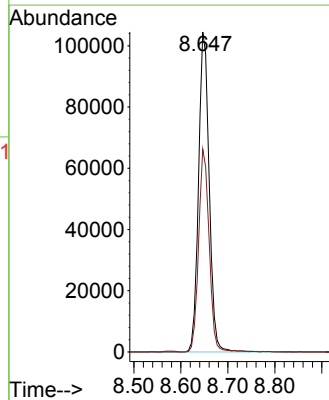
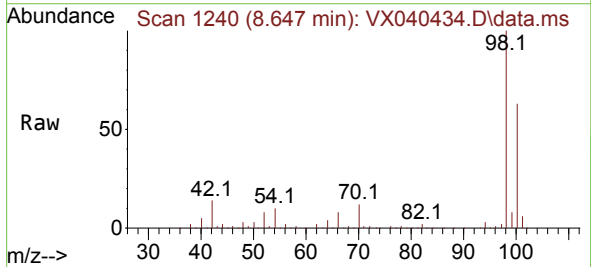
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

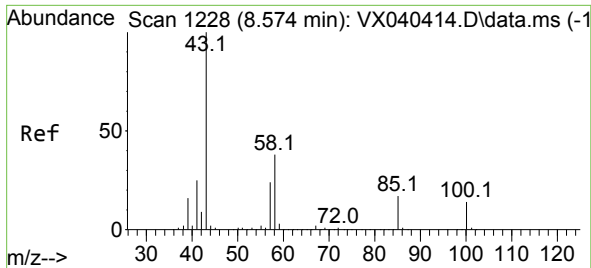
Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 618336.0 0.0 0.0#
58 2587.4 60.1 90.1#



#50
Toluene-d8
Concen: 52.171 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 98 Resp: 164895
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7

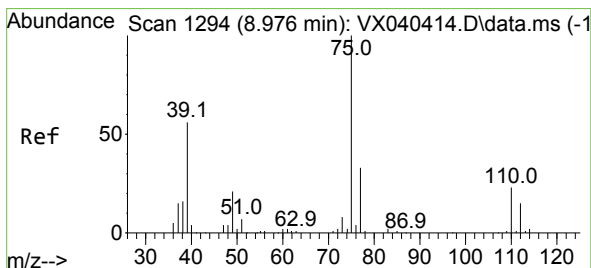
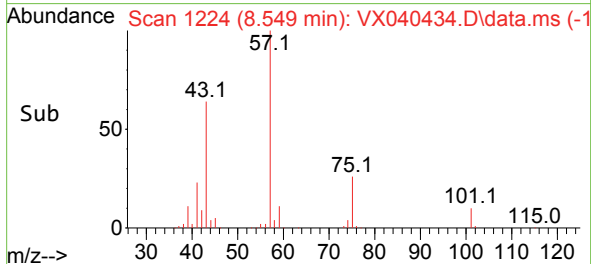
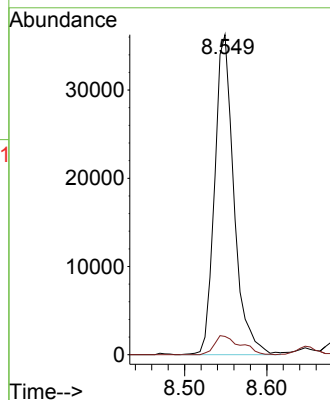
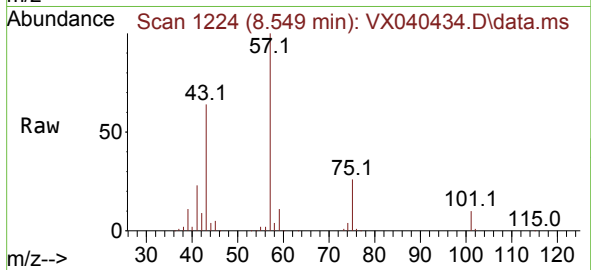




#51
4-Methyl-2-Pentanone
Concen: 36.705 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

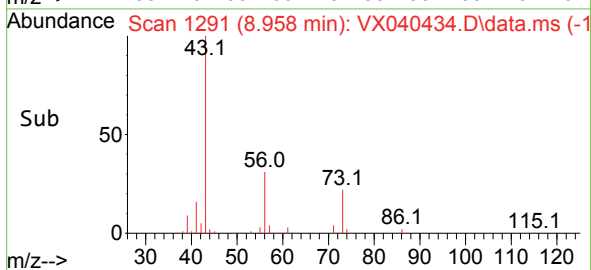
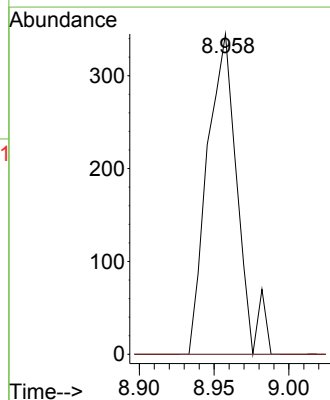
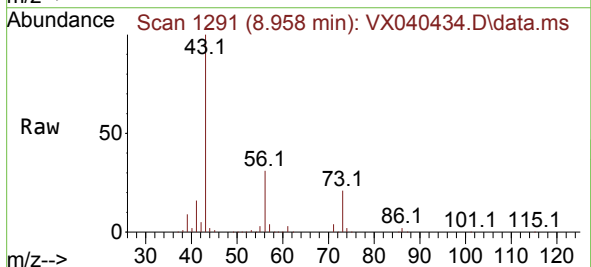
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

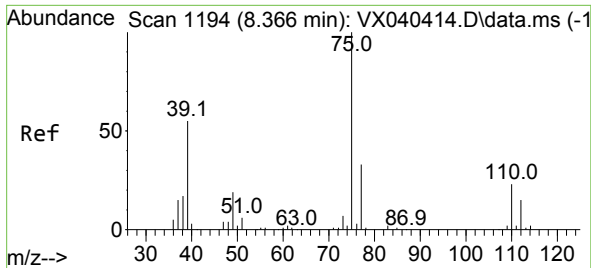
Tgt Ion: 43 Resp: 59182
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.349 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 75 Resp: 483
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

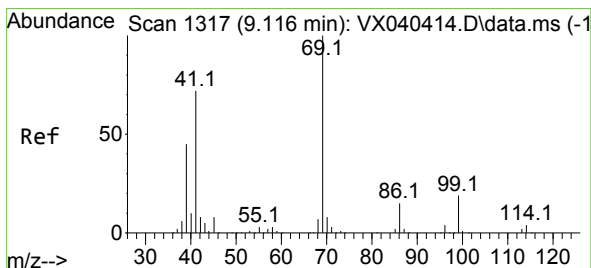
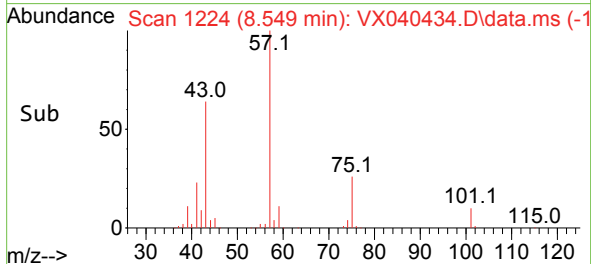
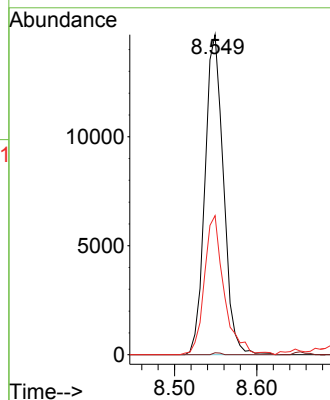
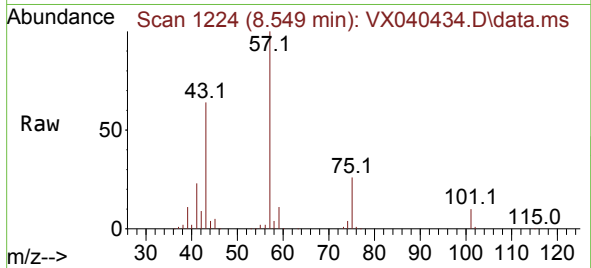




#54
 cis-1,3-Dichloropropene
 Concen: 15.554 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040434.D
 Acq: 23 Feb 2024 16:09

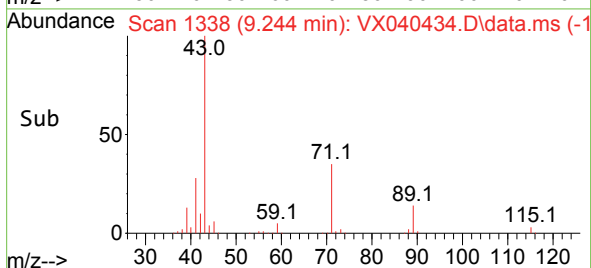
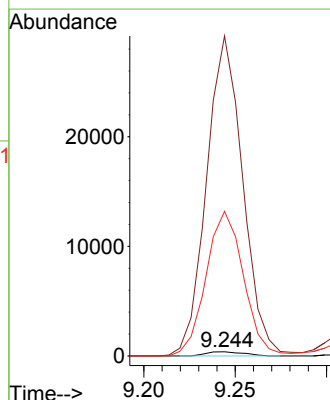
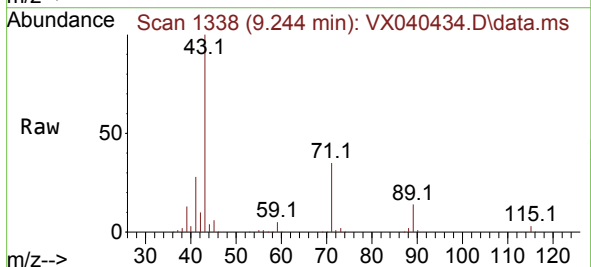
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#04

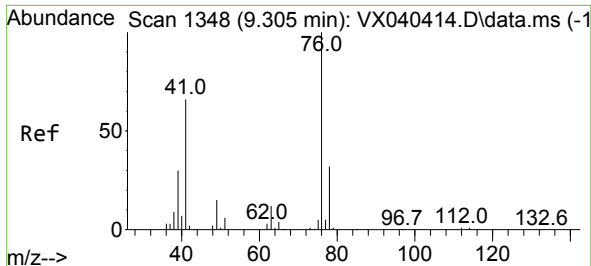
Tgt Ion: 75 Resp: 22932
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 43.4 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.376 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX040434.D
 Acq: 23 Feb 2024 16:09

Tgt Ion: 69 Resp: 556
 Ion Ratio Lower Upper
 69 100
 41 7282.7 56.8 85.2#
 39 3396.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.877 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Instrument :

MSVOA_X

ClientSampleId :

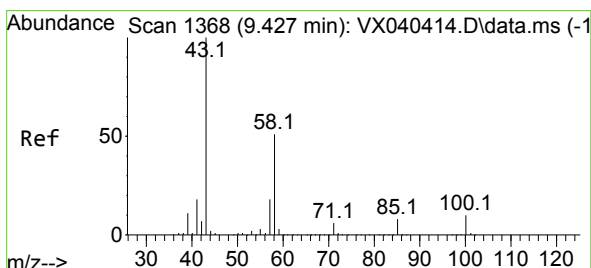
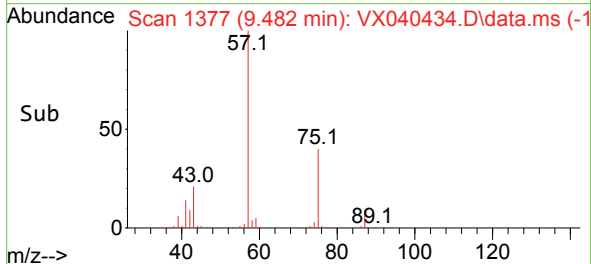
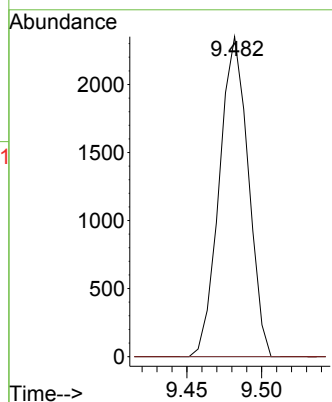
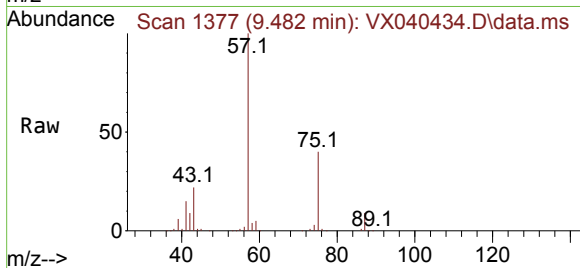
PB159217ZHE#04

Tgt Ion: 76 Resp: 3161

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 58.253 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040434.D

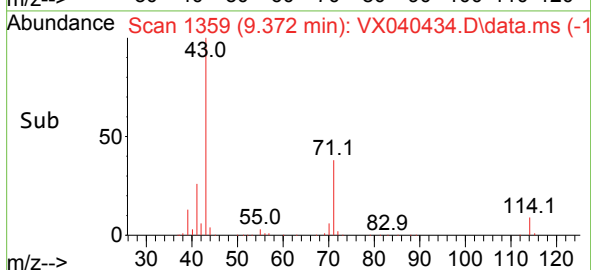
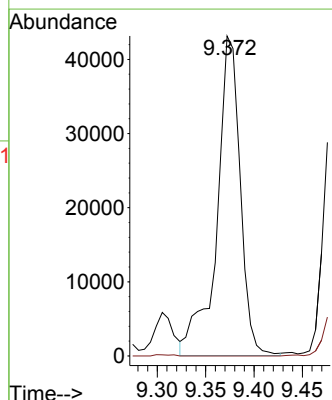
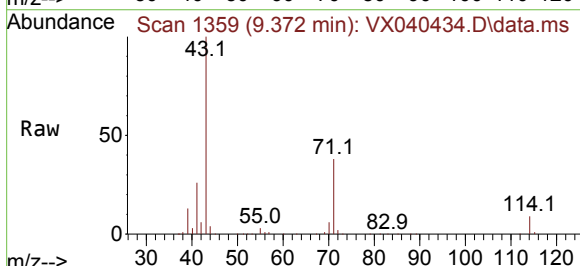
Acq: 23 Feb 2024 16:09

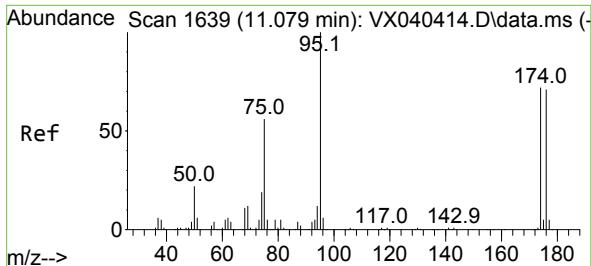
Tgt Ion: 43 Resp: 72439

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

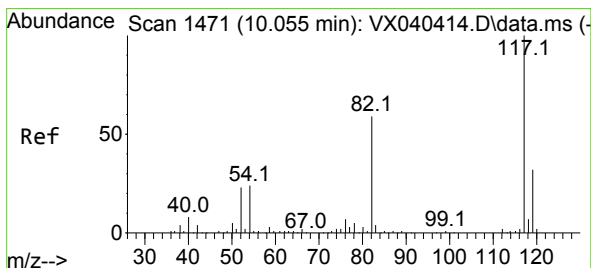
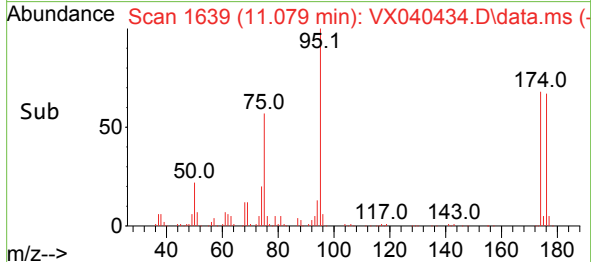
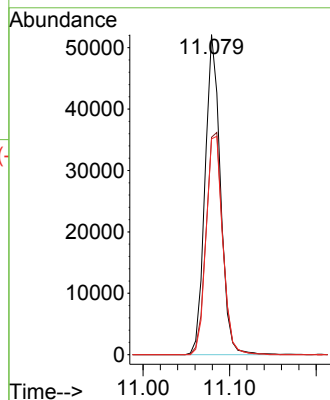
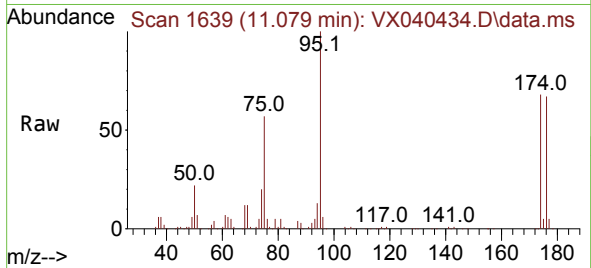




#62
4-Bromofluorobenzene
Concen: 50.703 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

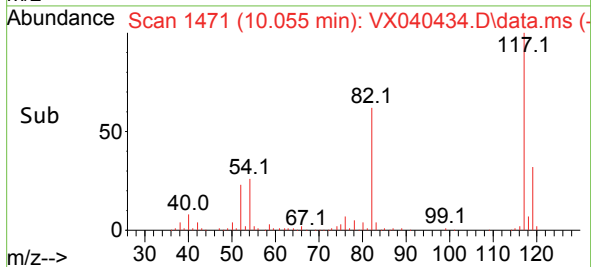
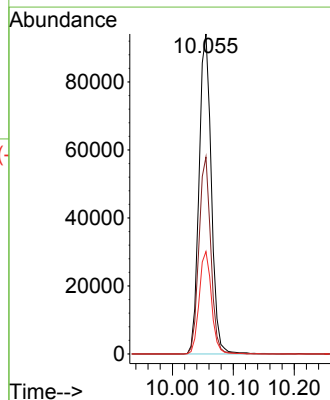
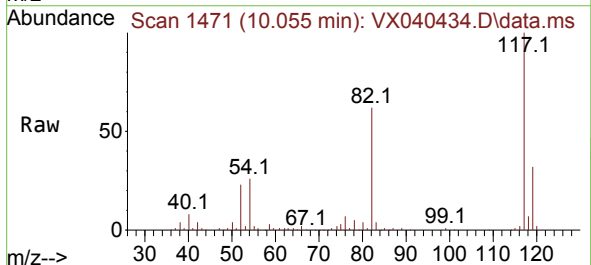
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#04

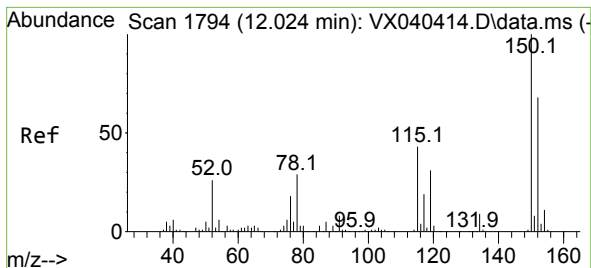
Tgt Ion: 95 Resp: 64217
Ion Ratio Lower Upper
95 100
174 75.5 0.0 135.6
176 73.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040434.D
Acq: 23 Feb 2024 16:09

Tgt Ion: 117 Resp: 131105
Ion Ratio Lower Upper
117 100
82 61.6 46.2 69.4
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#04

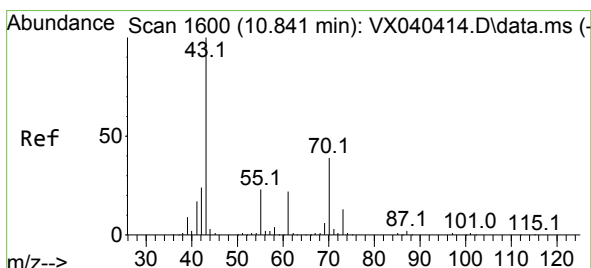
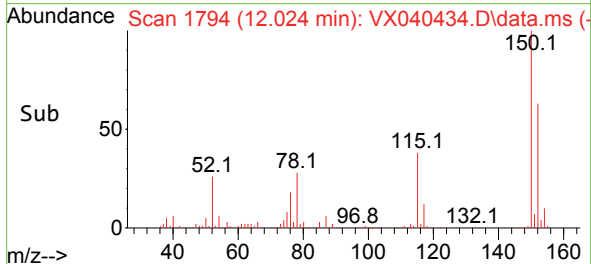
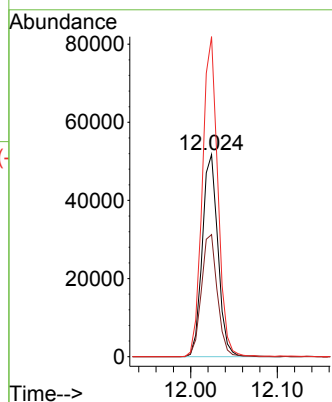
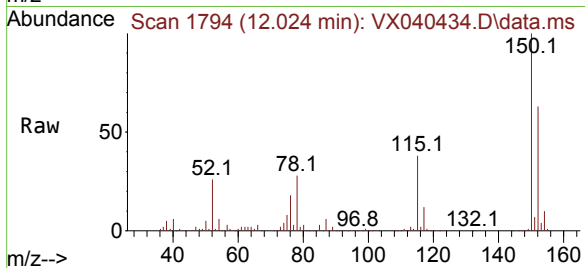
Tgt Ion:152 Resp: 64845

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

150 156.6 0.0 345.0



#74

N-ethyl acetate

Concen: 0.354 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Tgt Ion: 43 Resp: 754

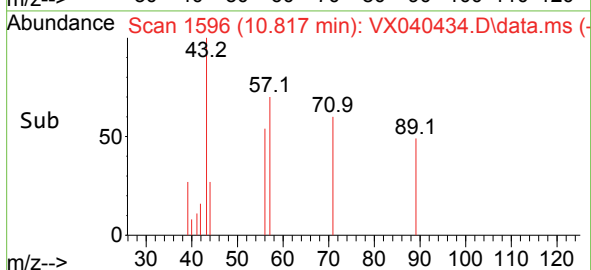
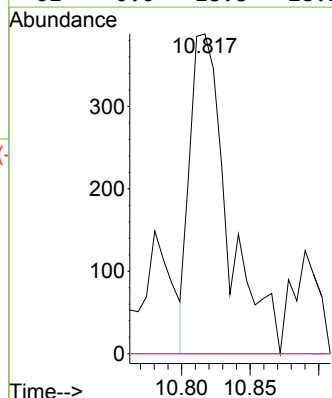
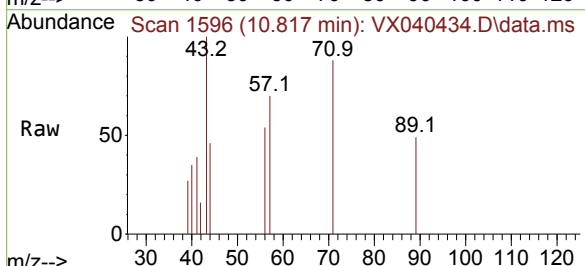
Ion Ratio Lower Upper

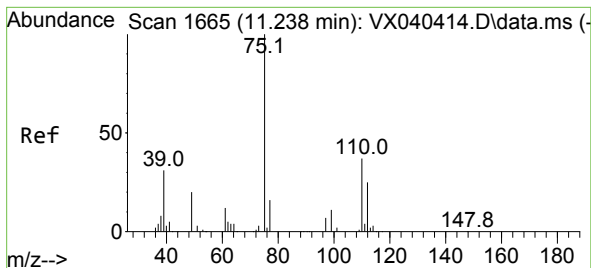
43 100

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: 25.667 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Instrument :

MSVOA_X

ClientSampleId :

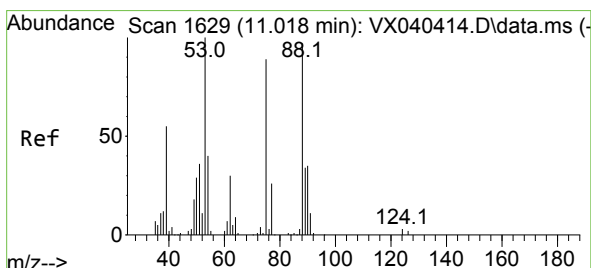
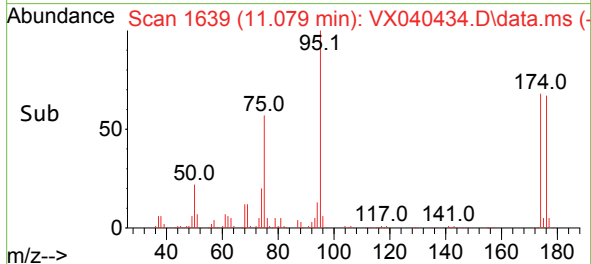
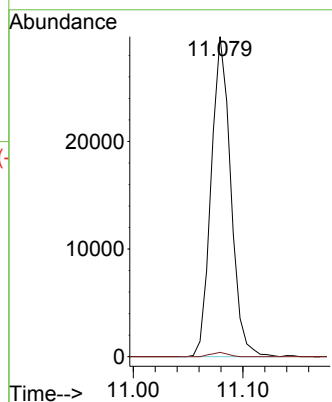
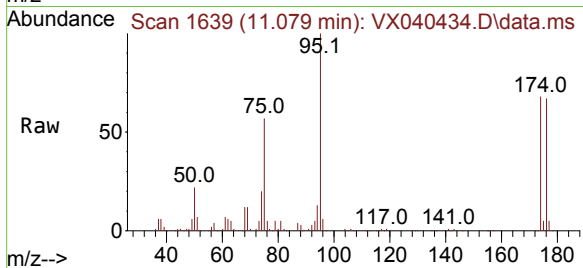
PB159217ZHE#04

Tgt Ion: 75 Resp: 37009

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.309 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040434.D

Acq: 23 Feb 2024 16:09

Tgt Ion: 75 Resp: 37009

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

