

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040437.D
 Acq On : 23 Feb 2024 17:18
 Operator : JC/MD
 Sample : PB159217ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

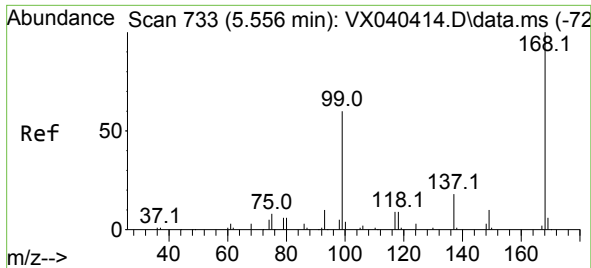
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#07

Quant Time: Feb 23 22:22:23 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	67577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55614	50.533	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.060%	
35) Dibromofluoromethane	5.391	113	41513	50.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.640%	
50) Toluene-d8	8.647	98	154749	51.932	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	11.079	95	62067	51.980	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.960%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.624	64	145	0.262	ug/l #	43
11) Tert butyl alcohol	2.959	59	474	2.228	ug/l #	78
13) Acrolein	2.227	56	249	0.978	ug/l #	75
16) Acetone	2.379	43	24475	53.373	ug/l	99
17) Carbon Disulfide	2.514	76	442	0.215	ug/l #	76
18) Methyl Acetate	2.709	43	698	0.588	ug/l #	71
20) Methylene Chloride	2.794	84	9510	9.905	ug/l	96
25) 2-Butanone	4.586	43	2012	2.814	ug/l	98
31) Cyclohexane	5.556	56	1916	1.452	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	6600	5.170	ug/l #	50
37) Ethyl Acetate	4.721	43	1727	1.184	ug/l #	83
38) Carbon Tetrachloride	5.556	117	7701	6.520	ug/l #	11
43) Isopropyl Acetate	6.342	43	53994	24.124	ug/l	98
48) Methyl methacrylate	7.793	41	48511	43.766	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41986	27.620	ug/l #	47
53) t-1,3-Dichloropropene	8.951	75	331	0.254	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16219	11.668	ug/l #	68
56) Ethyl methacrylate	9.250	69	337	0.242	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2154	1.357	ug/l #	42
59) 2-Hexanone	9.372	43	48668	41.512	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35779	26.213	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35779	91.211	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	318	0.252	ug/l #	66

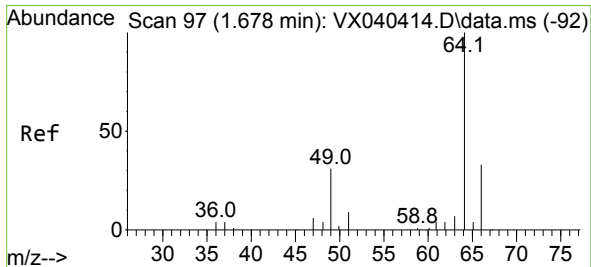
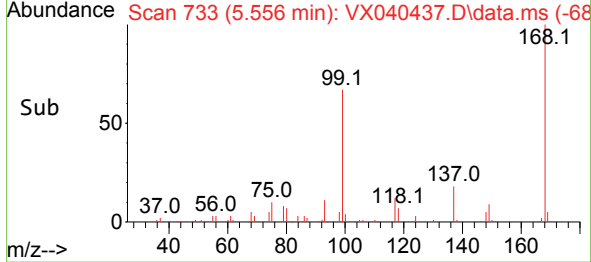
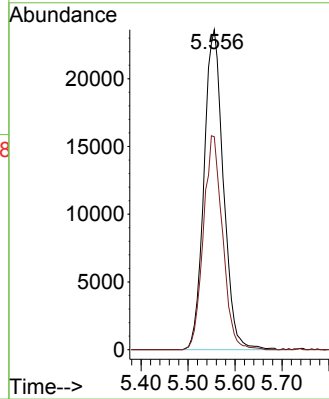
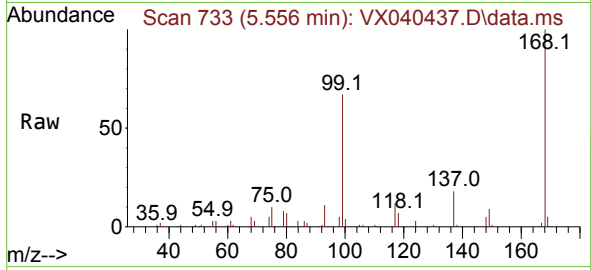
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

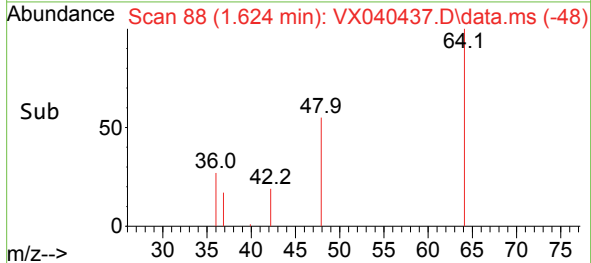
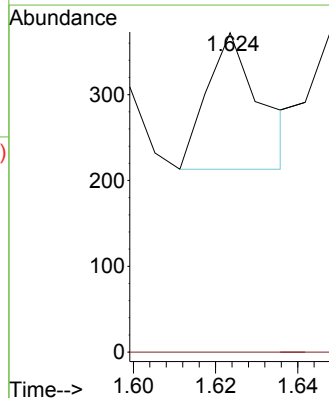
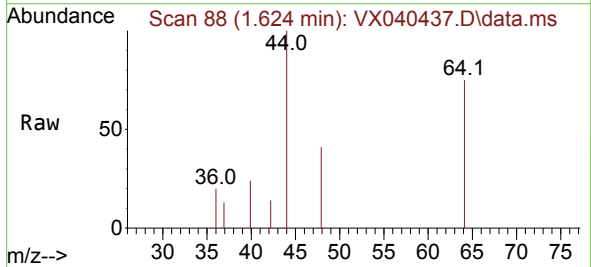
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

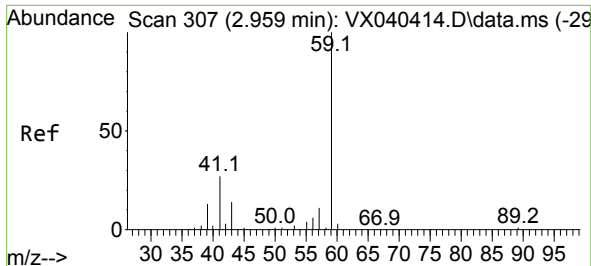
Tgt Ion:168 Resp: 67577
Ion Ratio Lower Upper
168 100
99 66.5 56.6 85.0



#6
Chloroethane
Concen: 0.262 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.055 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 64 Resp: 145
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

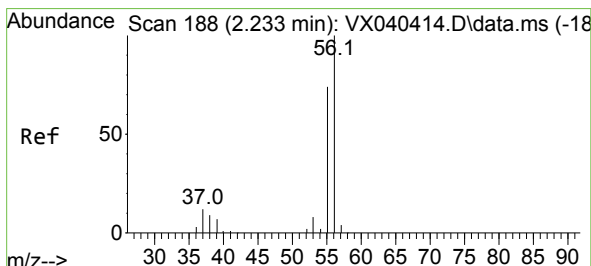
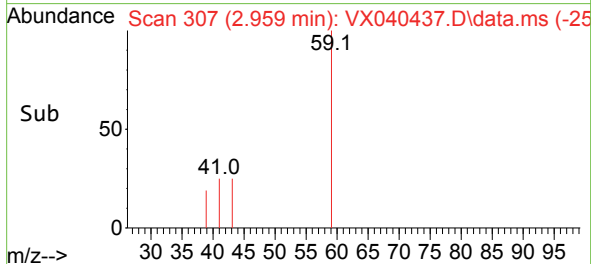
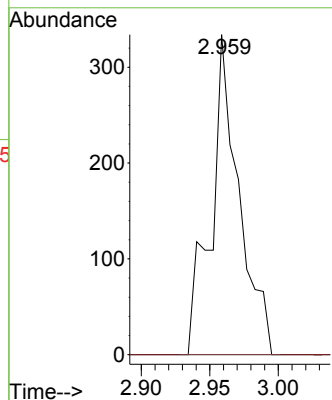
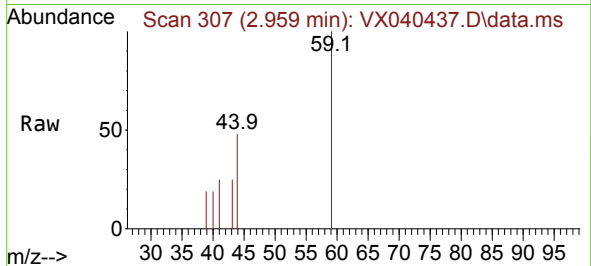




#11
Tert butyl alcohol
Concen: 2.228 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

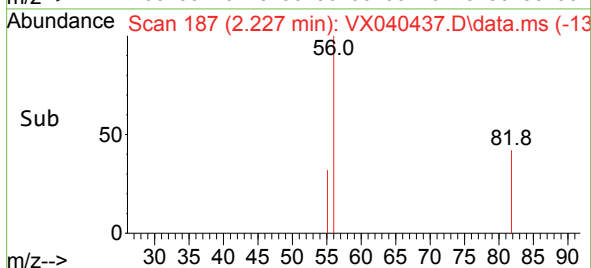
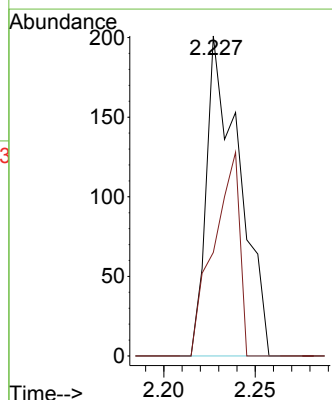
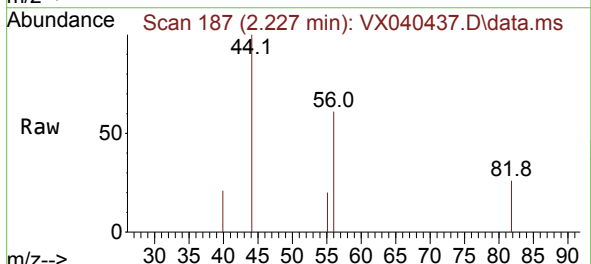
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

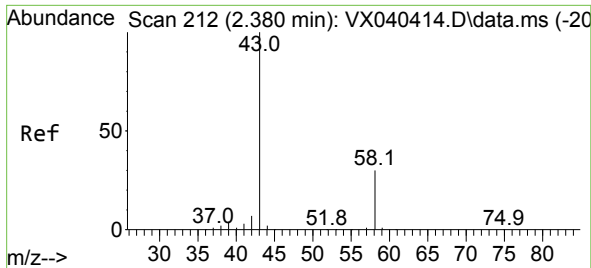
Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.978 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 50.6 57.1 85.7#

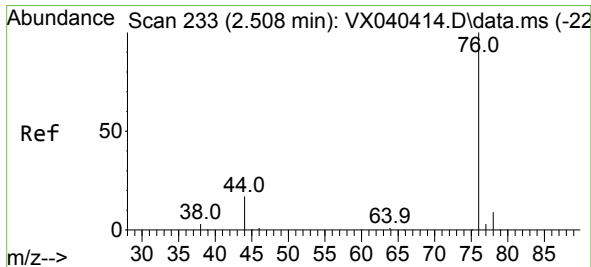
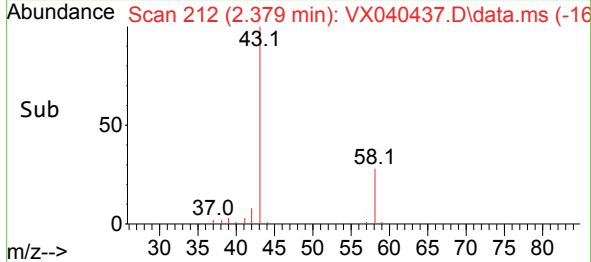
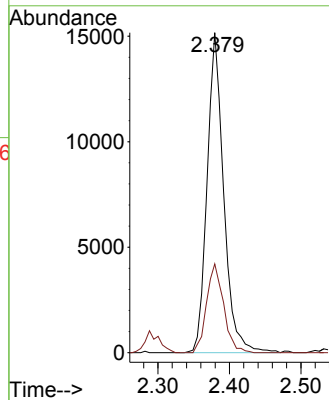
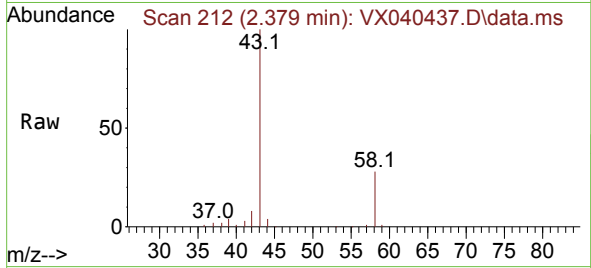




#16
Acetone
Concen: 53.373 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

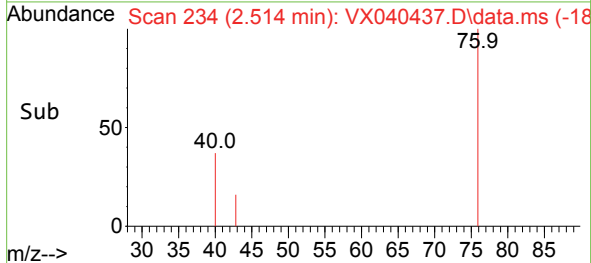
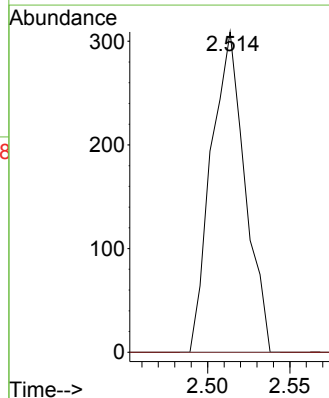
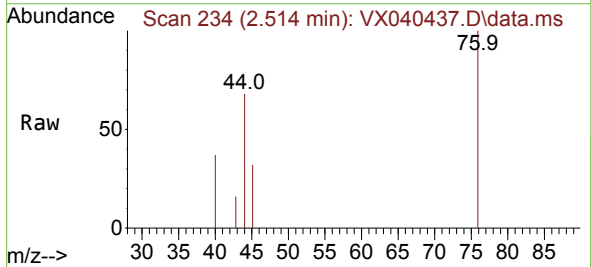
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

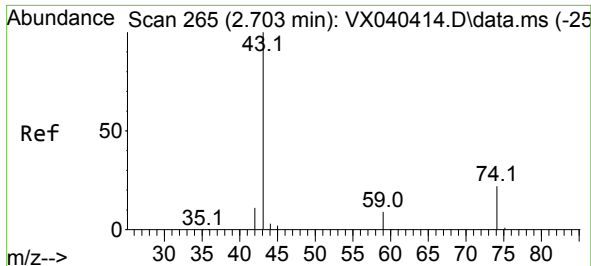
Tgt Ion: 43 Resp: 24475
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9



#17
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 76 Resp: 442
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

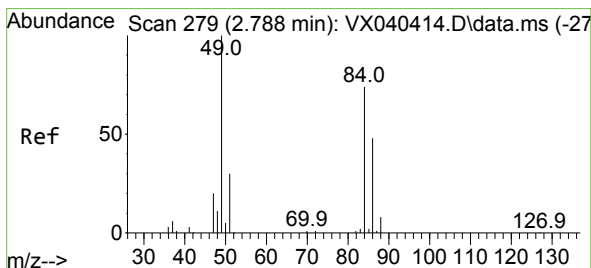
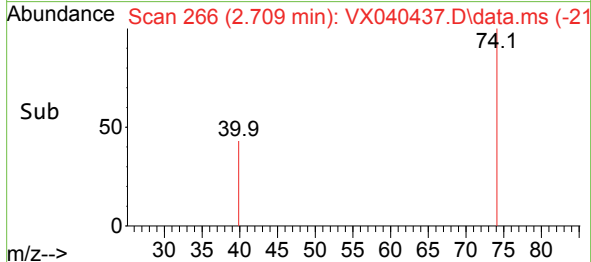
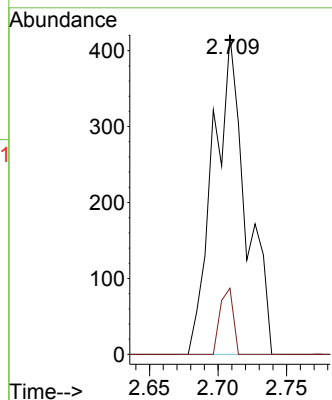
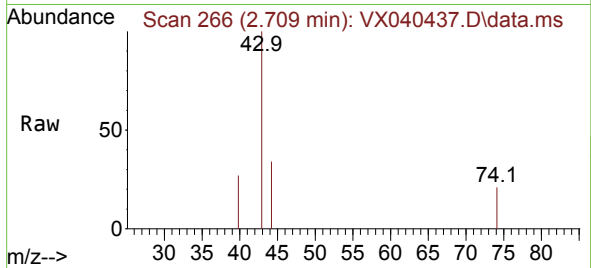




#18
Methyl Acetate
Concen: 0.588 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

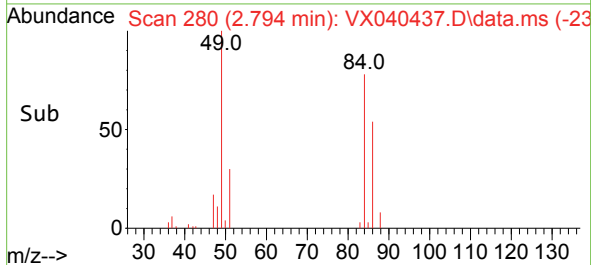
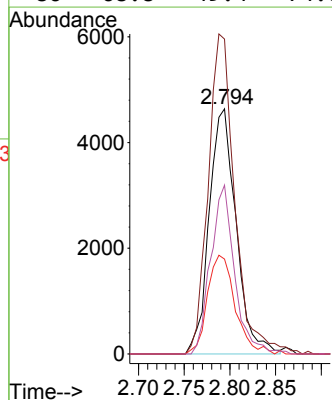
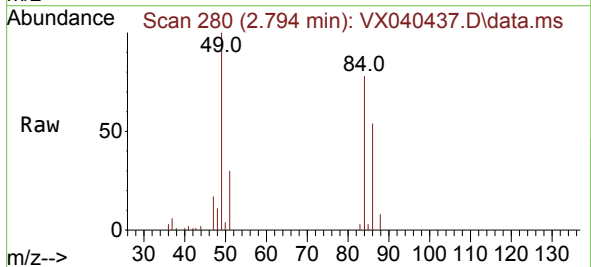
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MSVOA_X
ClientSampleId :
PB159217ZHE#07

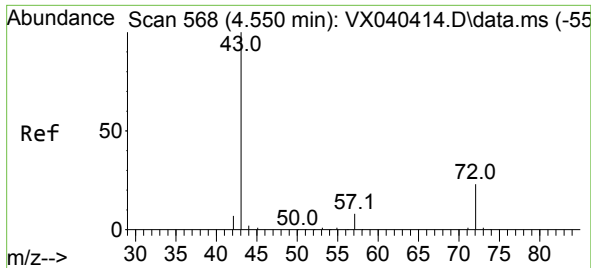
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
74 8.3 17.8 26.8#



#20
Methylene Chloride
Concen: 9.905 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 84 Resp: 9510
Ion Ratio Lower Upper
84 100
49 128.5 103.6 155.4
51 38.7 33.8 50.6
86 68.8 49.4 74.0

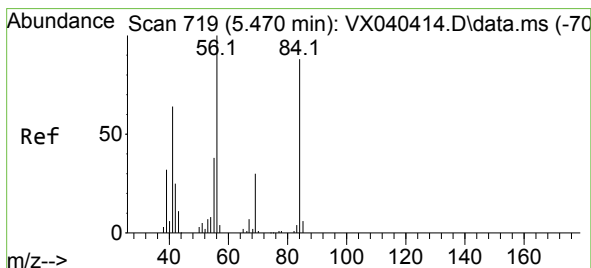
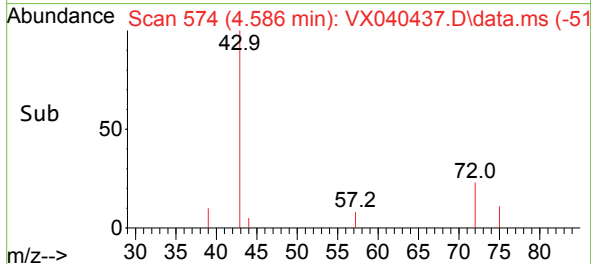
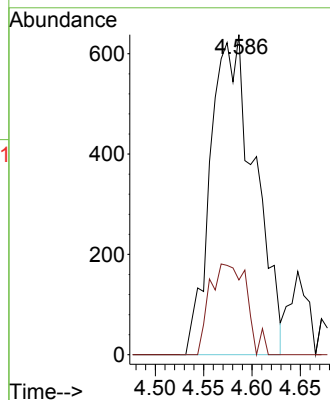
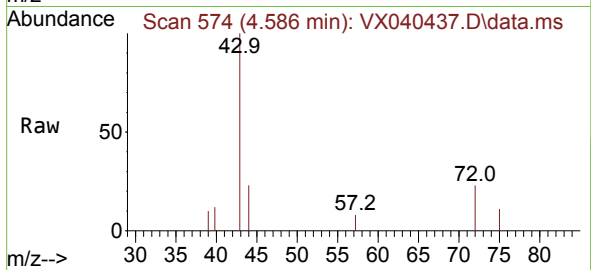




#25
2-Butanone
Concen: 2.814 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

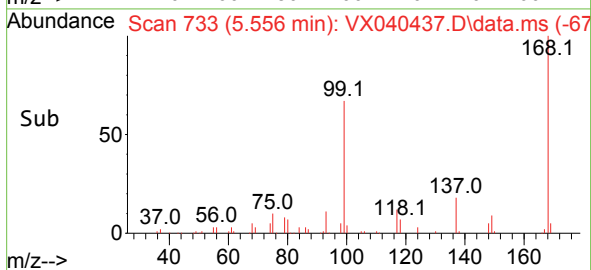
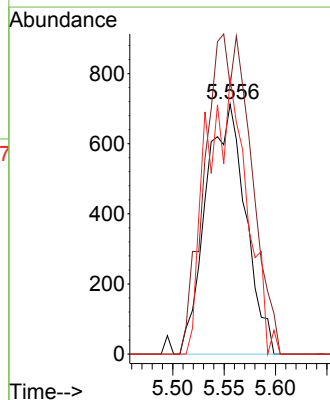
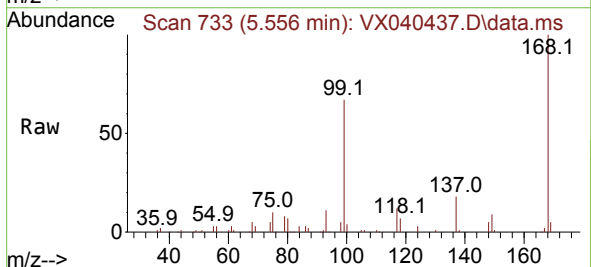
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

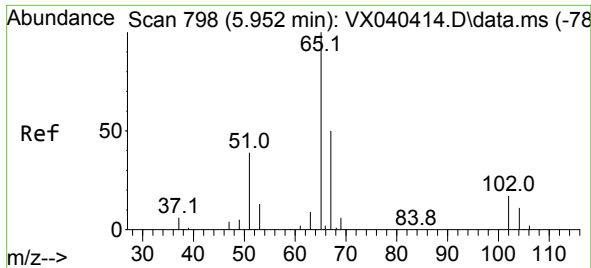
Tgt Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
72 23.4 19.4 29.2



#31
Cyclohexane
Concen: 1.452 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 56 Resp: 1916
Ion Ratio Lower Upper
56 100
69 107.3 23.4 35.2#
84 110.4 65.9 98.9#

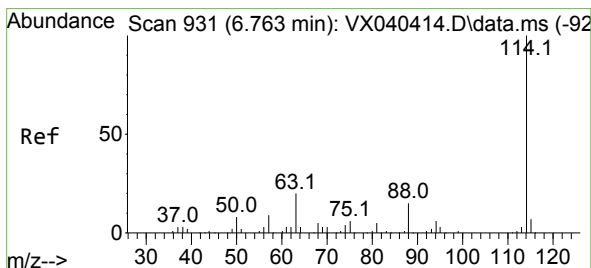
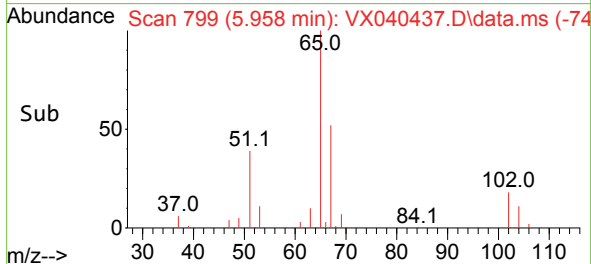
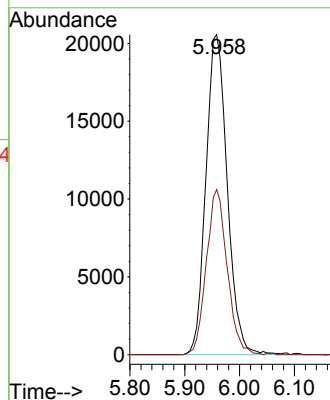
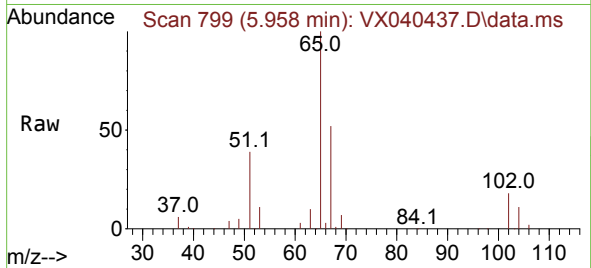




#33
1,2-Dichloroethane-d4
Concen: 50.533 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

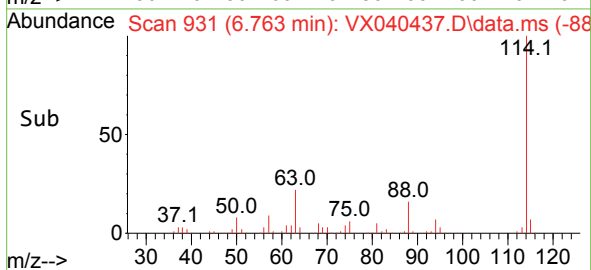
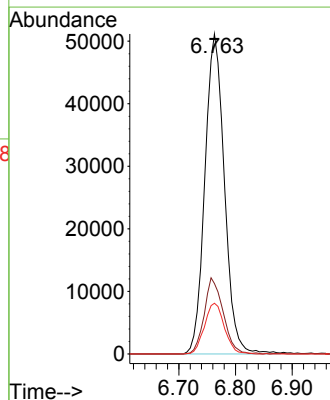
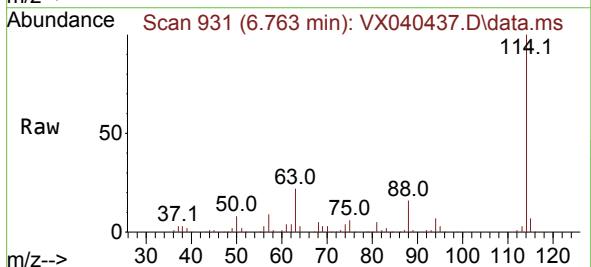
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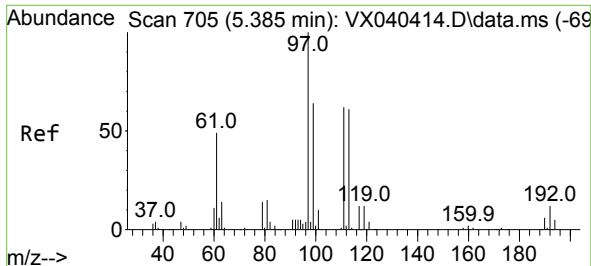
Tgt Ion: 65 Resp: 55614
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 114 Resp: 122419
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 15.9 0.0 36.6

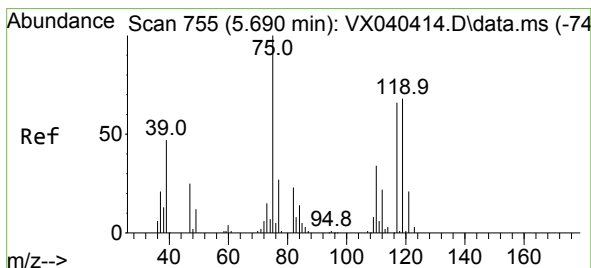
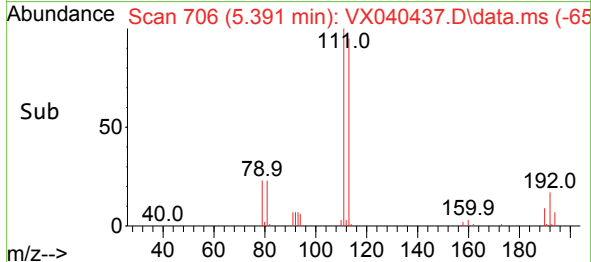
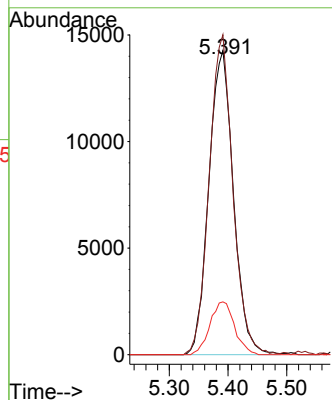
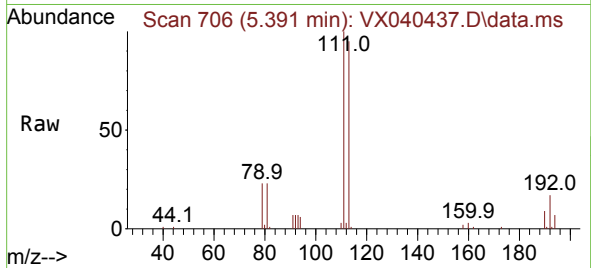




#35
Dibromofluoromethane
Concen: 50.322 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

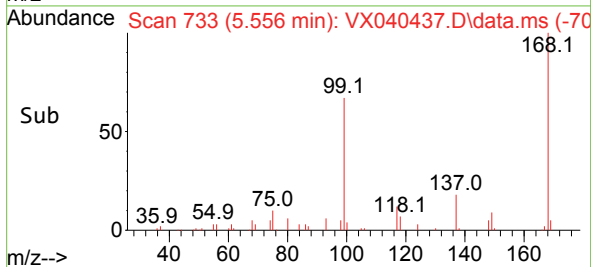
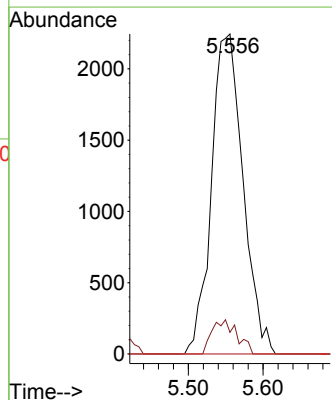
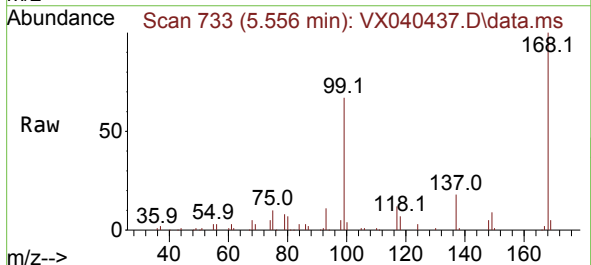
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

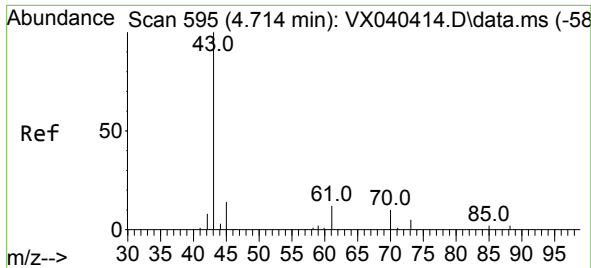
Tgt Ion:113 Resp: 41513
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 75 Resp: 6600
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#

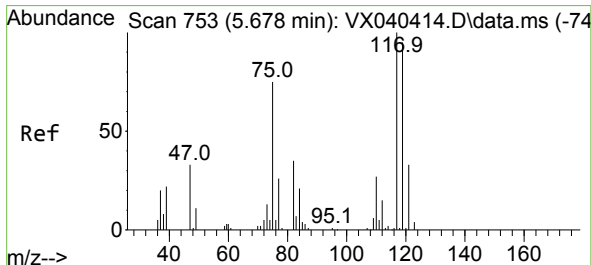
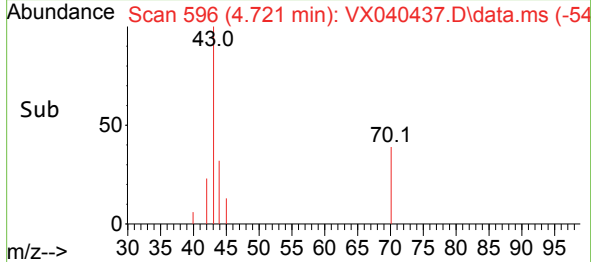
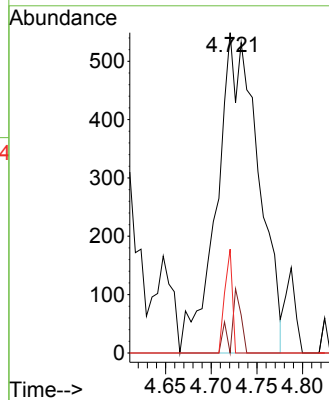
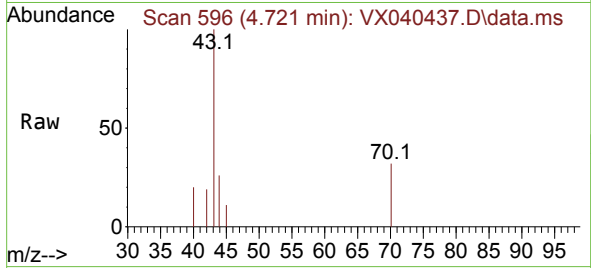




#37
Ethyl Acetate
Concen: 1.184 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

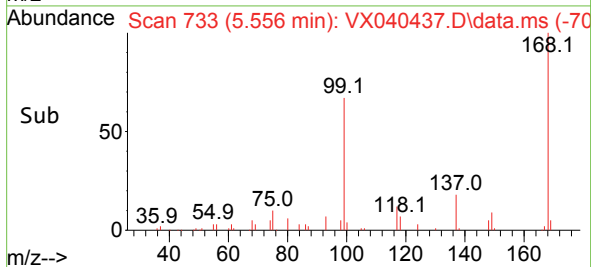
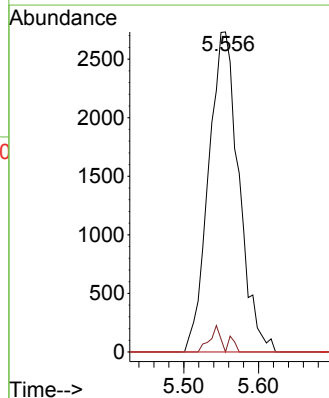
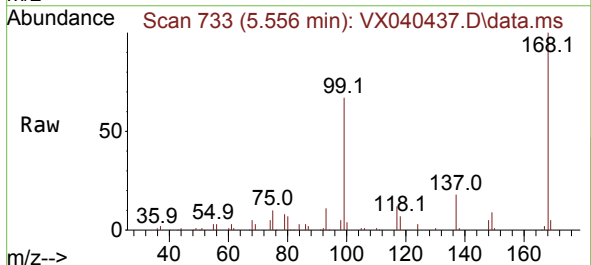
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

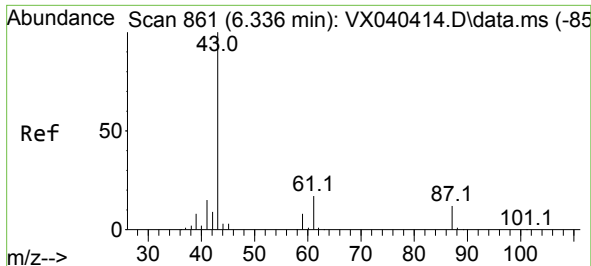
Tgt Ion: 43 Resp: 1727
Ion Ratio Lower Upper
43 100
61 4.8 10.6 16.0#
70 6.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.520 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 117 Resp: 7701
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#

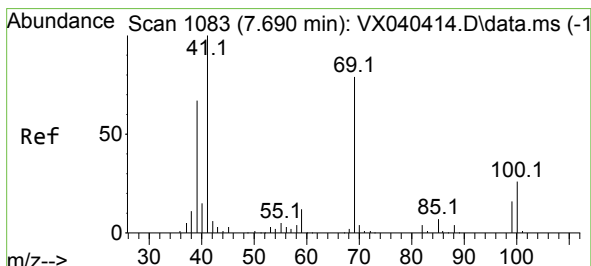
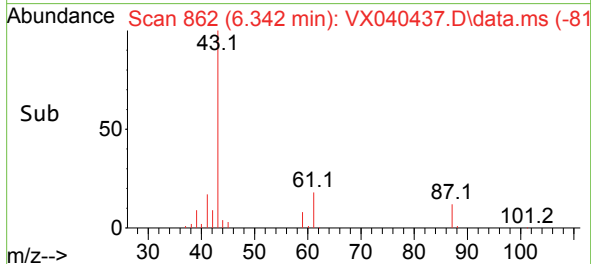
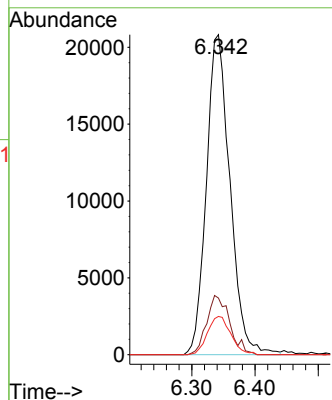
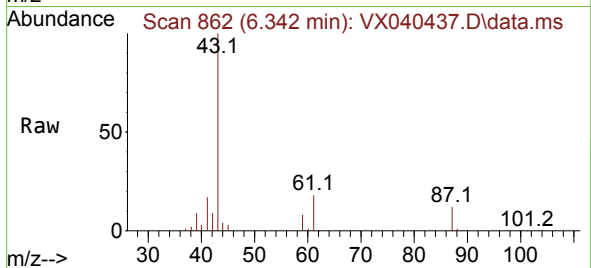




#43
Isopropyl Acetate
Concen: 24.124 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

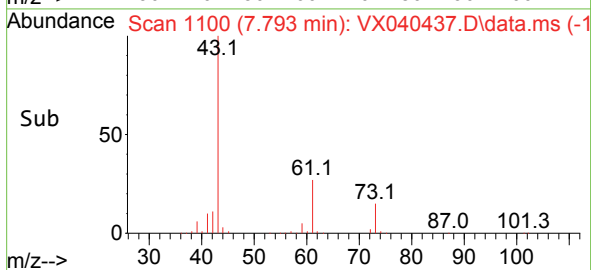
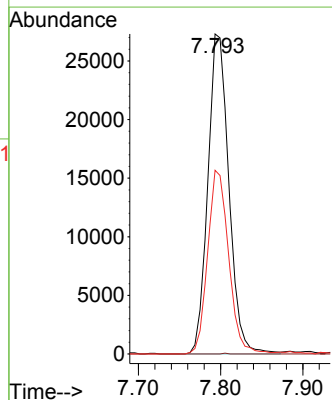
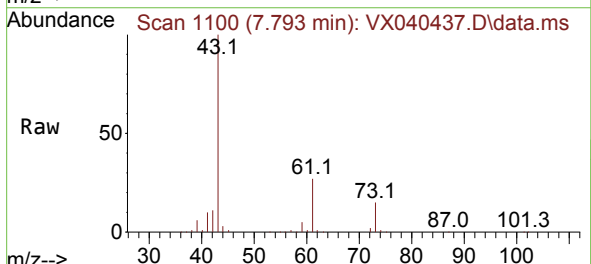
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

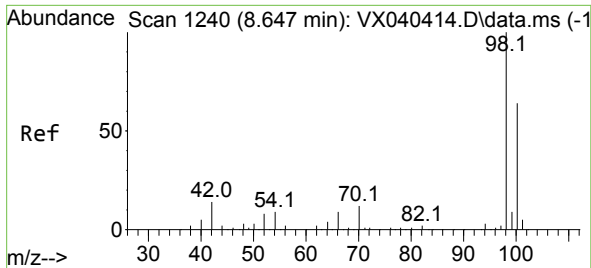
Tgt Ion: 43 Resp: 53994
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.8 9.8 14.6



#48
Methyl methacrylate
Concen: 43.766 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 41 Resp: 48511
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.5 47.7 71.5

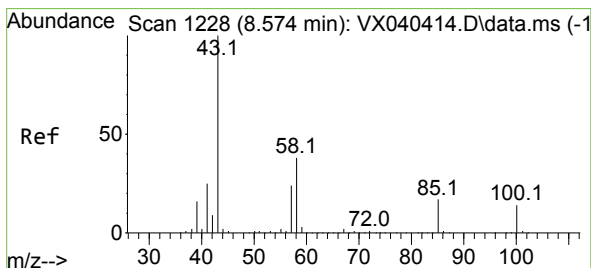
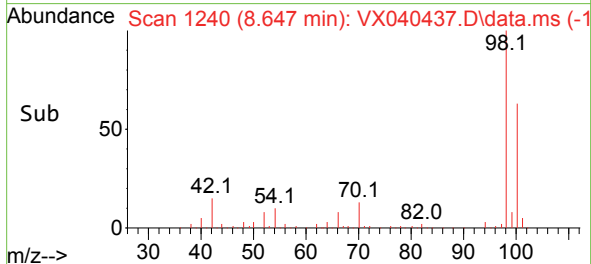
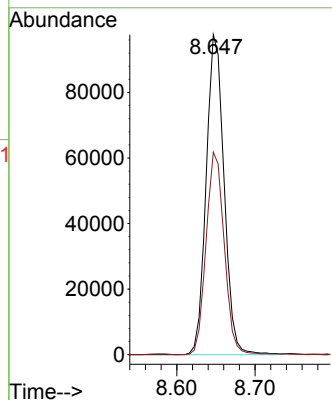
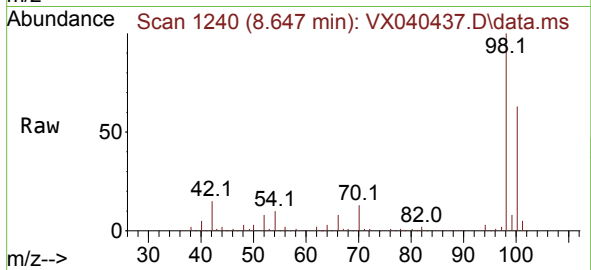




#50
Toluene-d8
Concen: 51.932 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

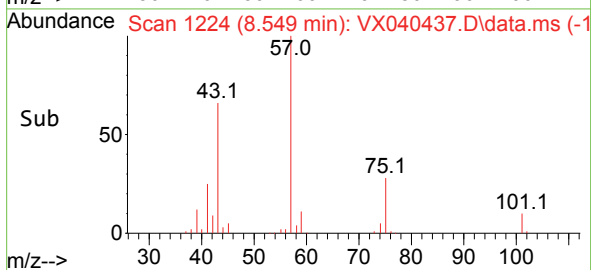
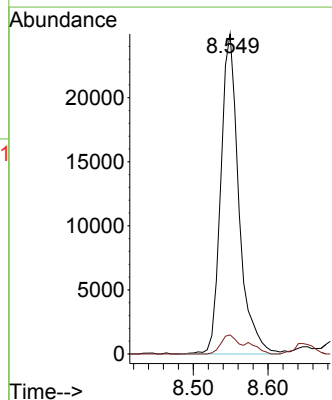
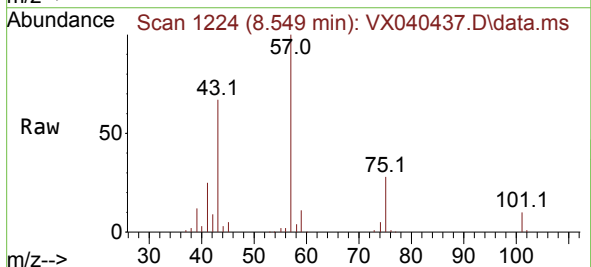
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

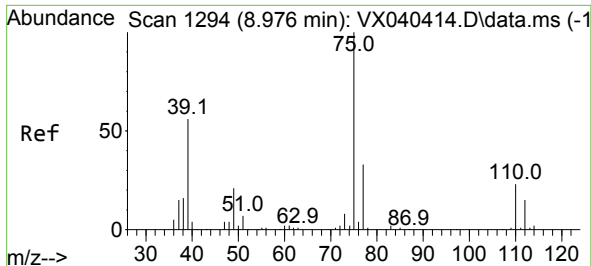
Tgt Ion: 98 Resp: 154749
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.620 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 43 Resp: 41986
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#

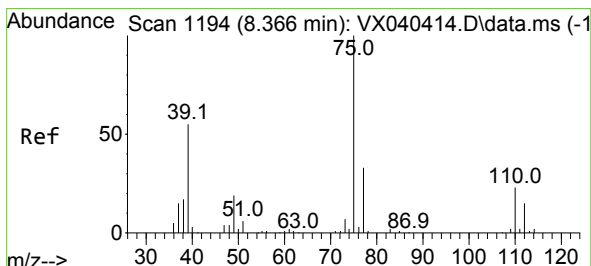
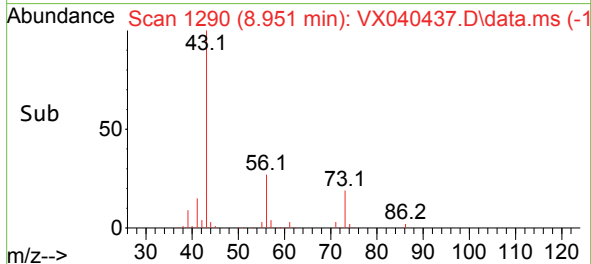
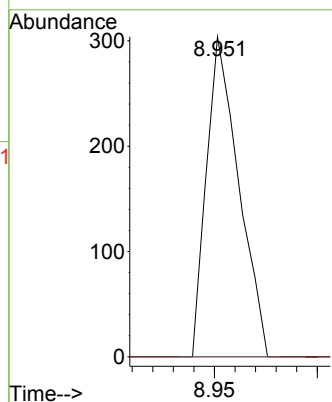
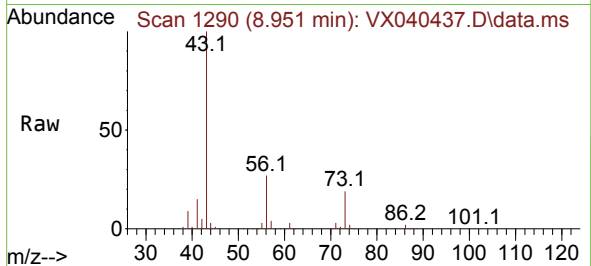




#53
 t-1,3-Dichloropropene
 Concen: 0.254 ug/l
 RT: 8.951 min Scan# 1124
 Delta R.T. -0.025 min
 Lab File: VX040437.D
 Acq: 23 Feb 2024 17:18

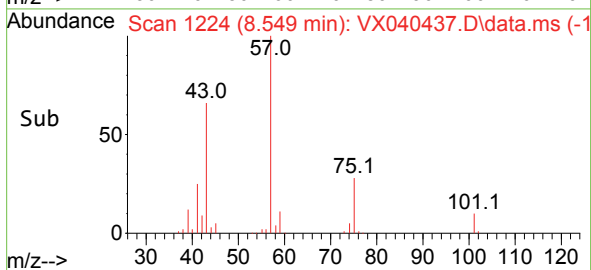
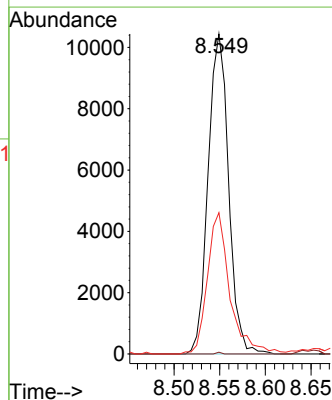
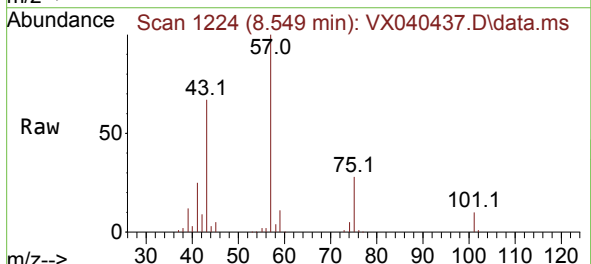
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#07

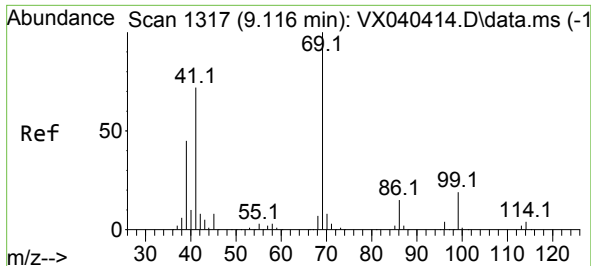
Tgt Ion: 75 Resp: 331
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.668 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040437.D
 Acq: 23 Feb 2024 17:18

Tgt Ion: 75 Resp: 16219
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 44.1 46.7 70.1#

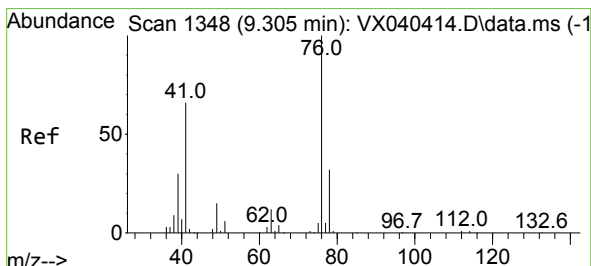
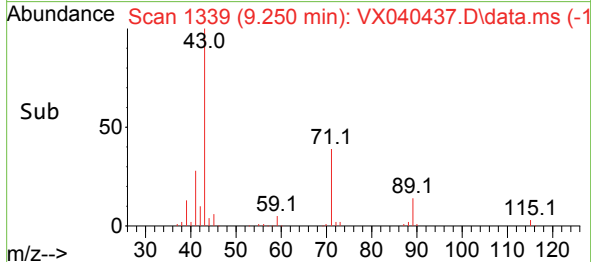
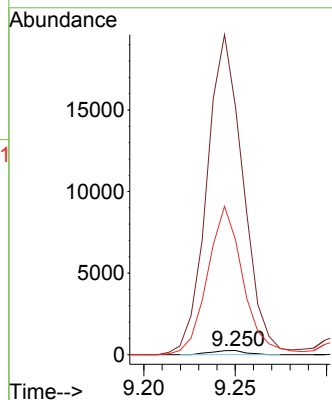
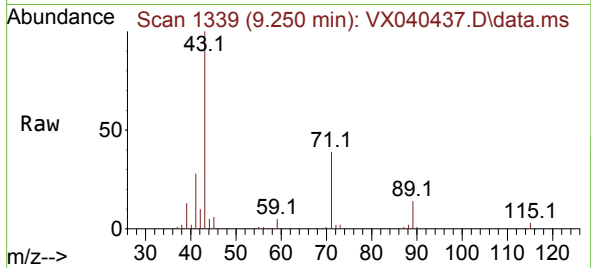




#56
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.134 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

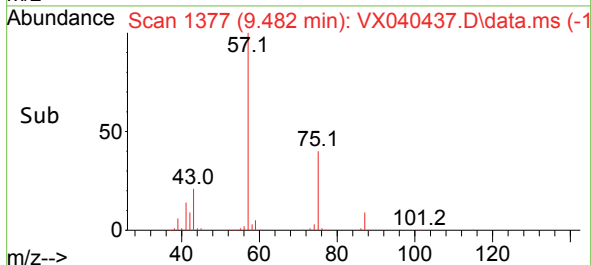
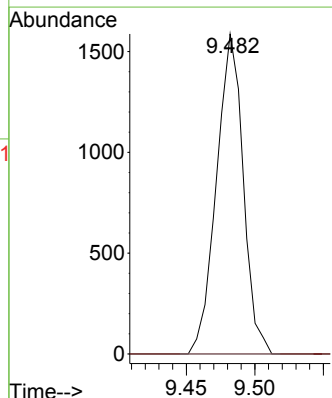
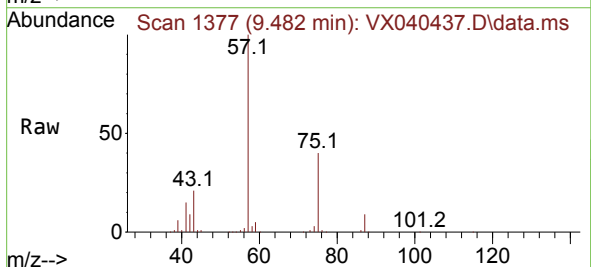
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

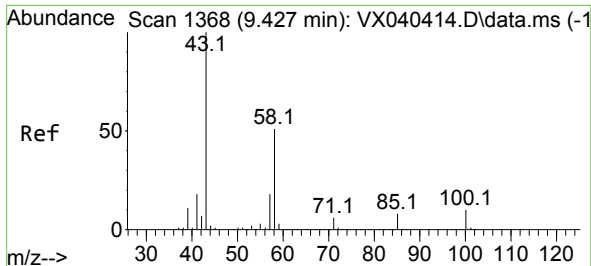
Tgt Ion: 69 Resp: 337
Ion Ratio Lower Upper
69 100
41 8049.0 56.8 85.2#
39 3677.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.357 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 76 Resp: 2154
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

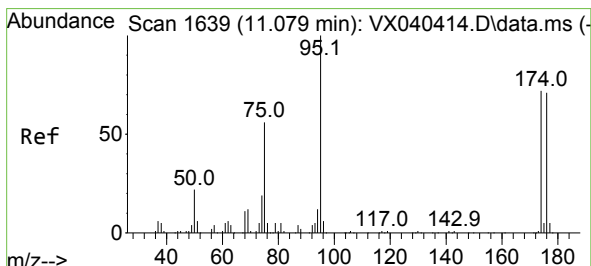
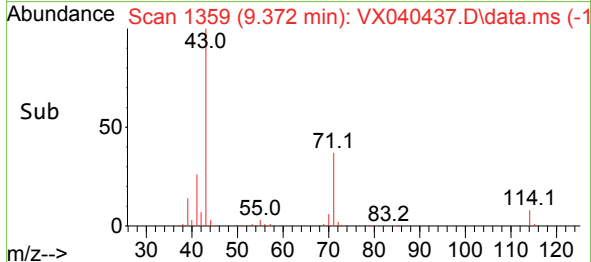
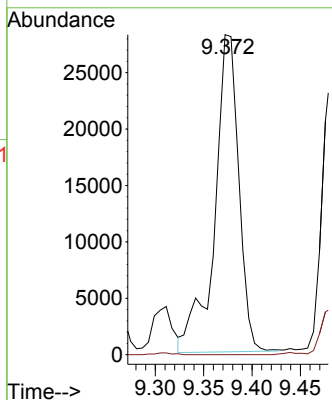
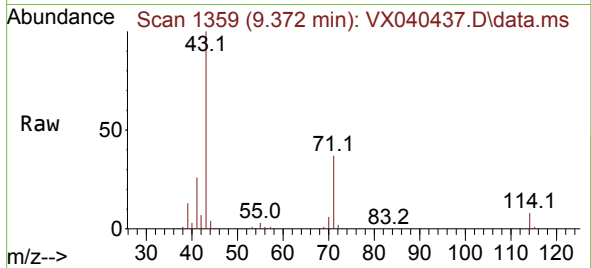




#59
2-Hexanone
Concen: 41.512 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

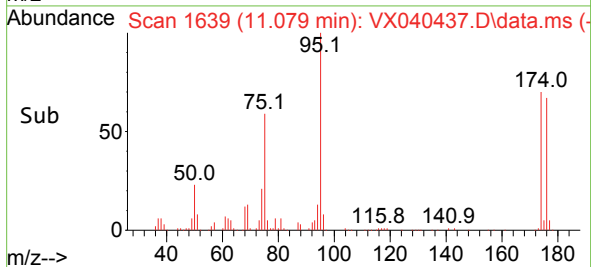
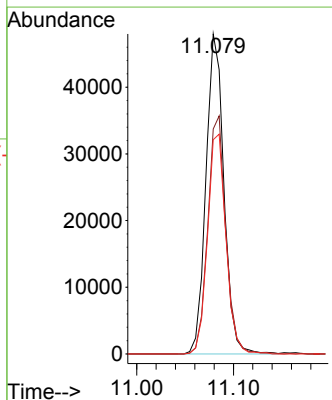
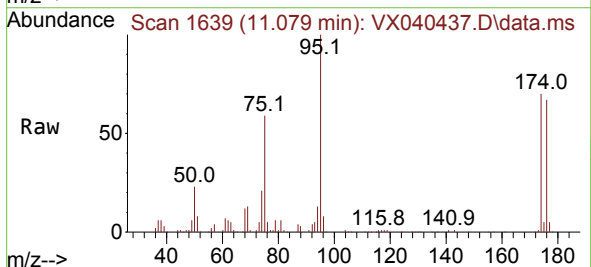
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

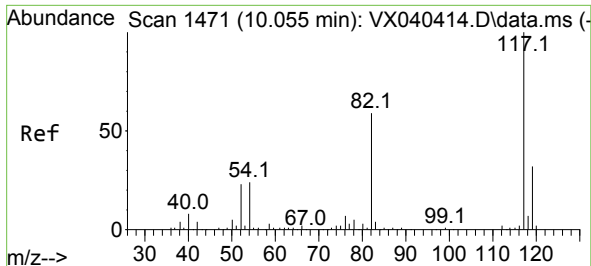
Tgt Ion: 43 Resp: 48668
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 95 Resp: 62067
Ion Ratio Lower Upper
95 100
174 74.7 0.0 135.6
176 70.3 0.0 131.0

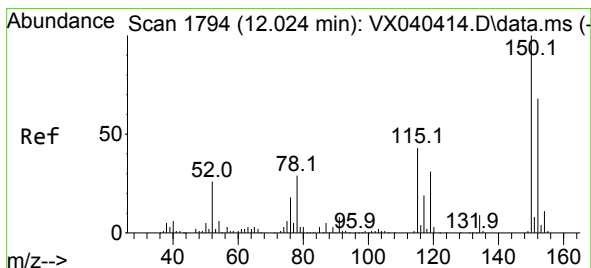
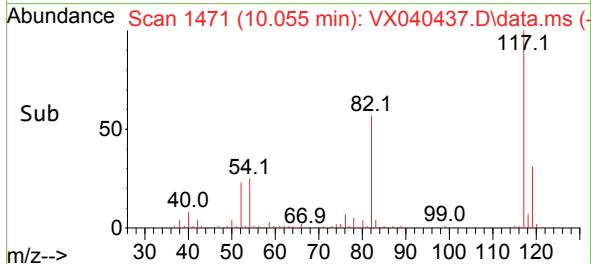
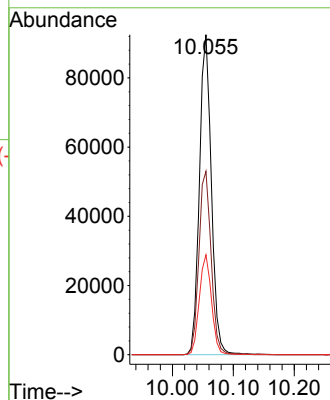
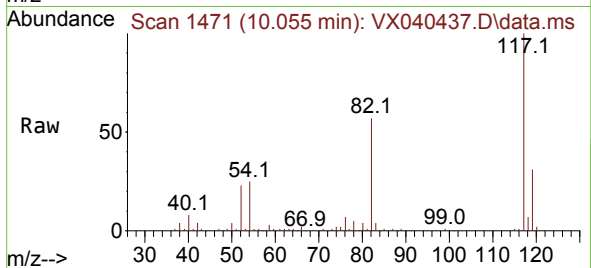




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

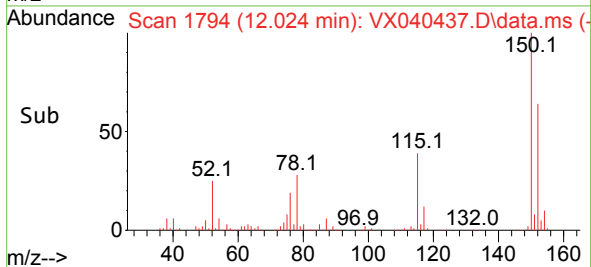
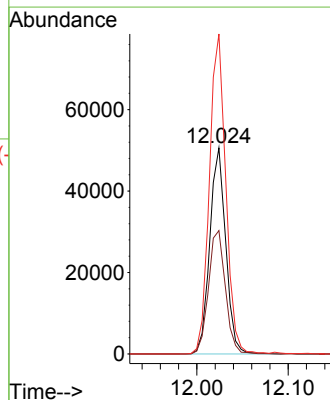
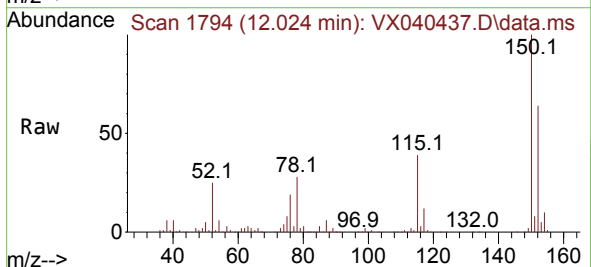
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

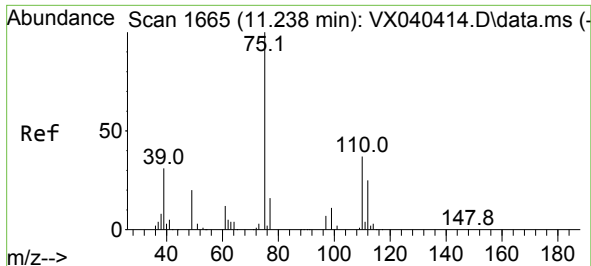
Tgt Ion:117 Resp: 125817
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion:152 Resp: 61383
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 158.7 0.0 345.0

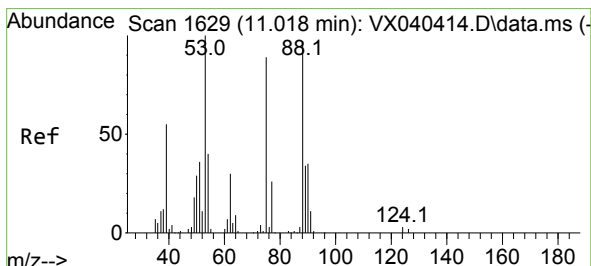
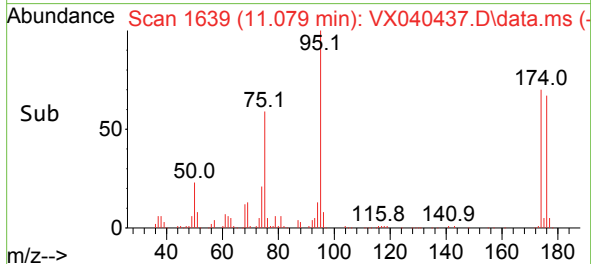
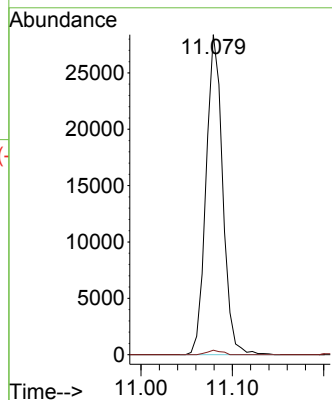
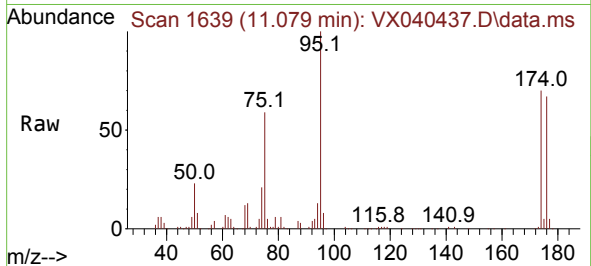




#76
1,2,3-Trichloropropane
Concen: 26.213 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

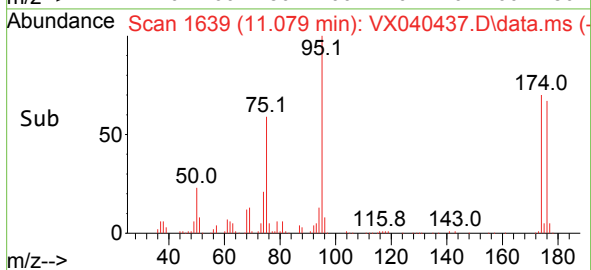
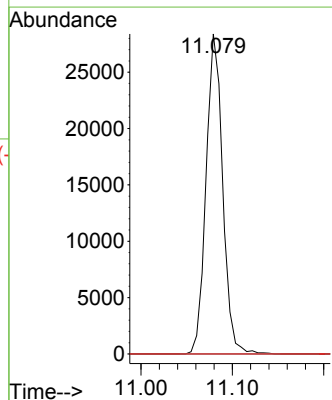
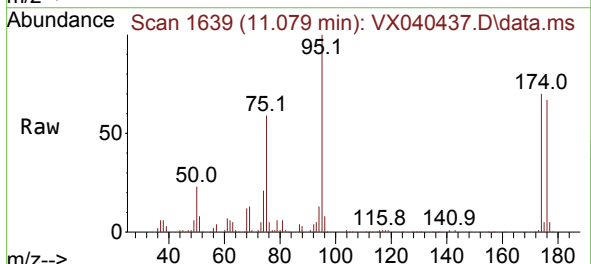
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#07

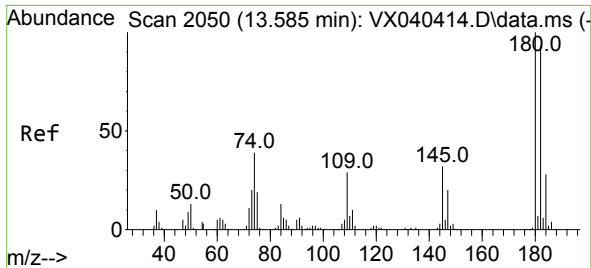
Tgt Ion: 75 Resp: 35779
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040437.D
Acq: 23 Feb 2024 17:18

Tgt Ion: 75 Resp: 35779
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.252 ug/l

RT: 13.597 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX040437.D

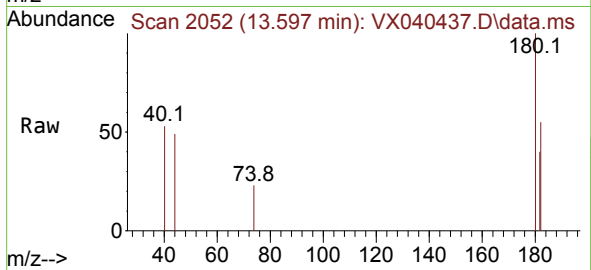
Acq: 23 Feb 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#07



Tgt Ion:180 Resp: 318

Ion Ratio Lower Upper

180 100

182 72.6 48.3 144.8

145 0.0 18.0 54.0#

