

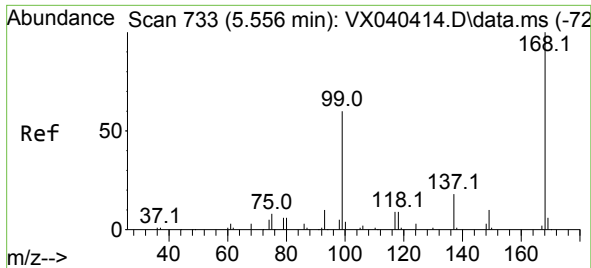
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040438.D
 Acq On : 23 Feb 2024 17:41
 Operator : JC/MD
 Sample : PB159217ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#08

Quant Time: Feb 23 22:22:48 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	68787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124718	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57541	51.364	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.720%	
35) Dibromofluoromethane	5.391	113	41980	49.950	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.900%	
50) Toluene-d8	8.647	98	155788	51.317	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	11.079	95	60206	49.492	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.980%	
Target Compounds						Qvalue
6) Chloroethane	1.642	64	282	0.500	ug/l #	43
11) Tert butyl alcohol	2.953	59	405	1.870	ug/l #	78
13) Acrolein	2.233	56	227	0.876	ug/l #	26
16) Acetone	2.380	43	25641	54.932	ug/l	98
18) Methyl Acetate	2.709	43	819	0.677	ug/l #	53
20) Methylene Chloride	2.788	84	9379	9.596	ug/l	93
25) 2-Butanone	4.574	43	2453	3.371	ug/l #	76
29) Tetrahydrofuran	5.026	42	100	0.206	ug/l #	34
31) Cyclohexane	5.550	56	1938	1.443	ug/l #	29
36) 1,1-Dichloropropene	5.556	75	6527	5.018	ug/l #	47
37) Ethyl Acetate	4.727	43	1774	1.194	ug/l #	79
38) Carbon Tetrachloride	5.550	117	7777	6.463	ug/l #	18
43) Isopropyl Acetate	6.342	43	56680	24.858	ug/l	98
48) Methyl methacrylate	7.793	41	51622	45.715	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	43347	27.990	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	325	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16717	11.805	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	2271	1.404	ug/l #	42
59) 2-Hexanone	9.378	43	52967	44.346	ug/l #	26
74) N-amyl acetate	10.817	43	467	0.248	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	34112	26.754	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34112	93.091	ug/l #	5

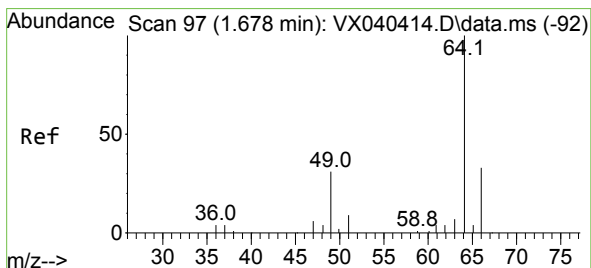
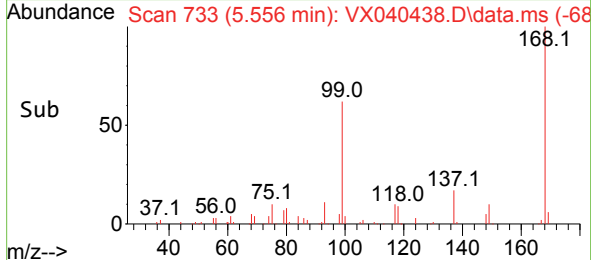
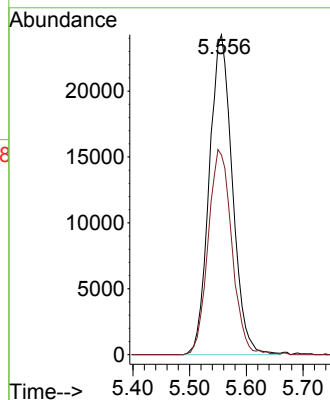
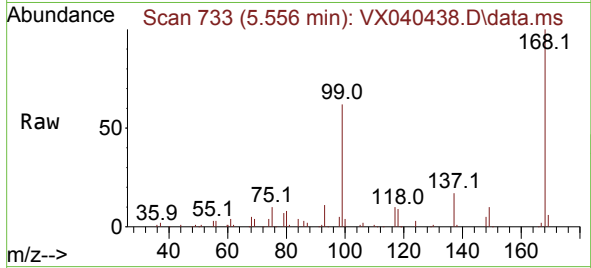
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

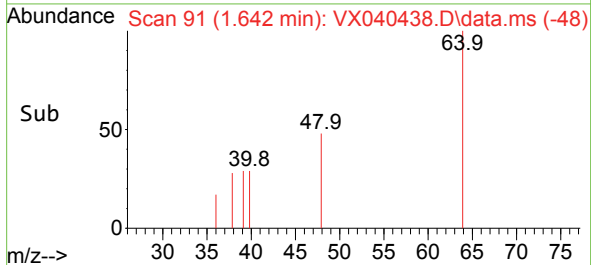
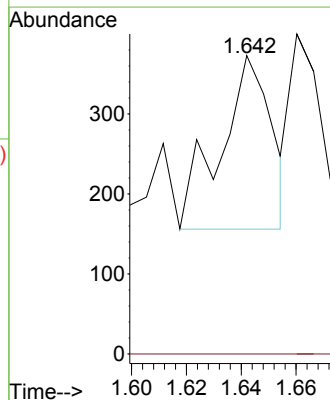
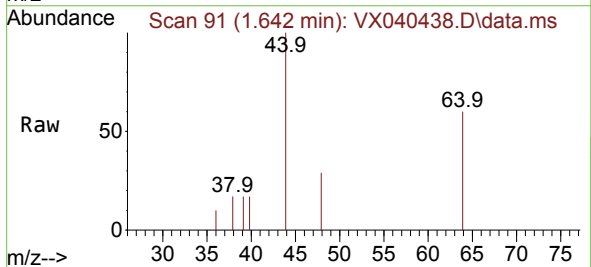
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

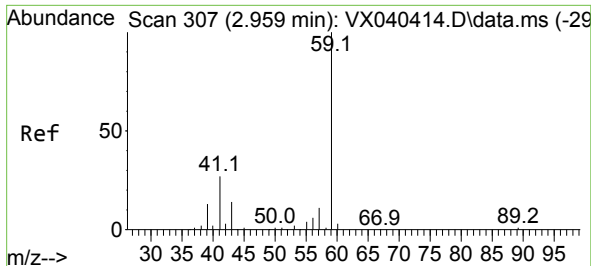
Tgt Ion:168 Resp: 68787
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#6
Chloroethane
Concen: 0.500 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.870 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

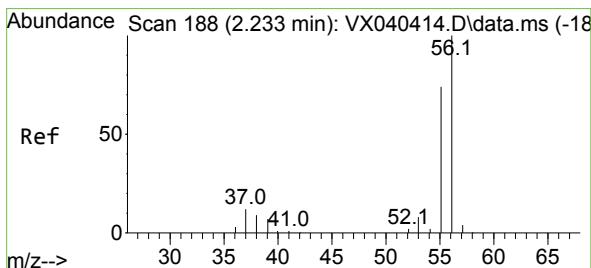
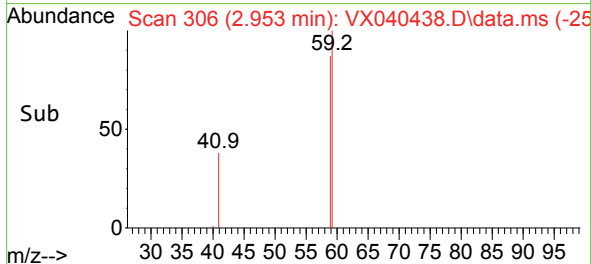
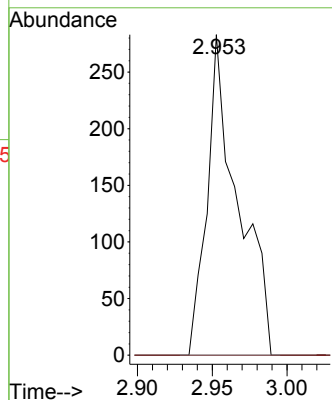
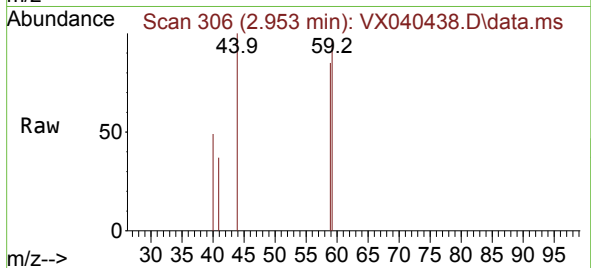
PB159217ZHE#08

Tgt Ion: 59 Resp: 405

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.876 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX040438.D

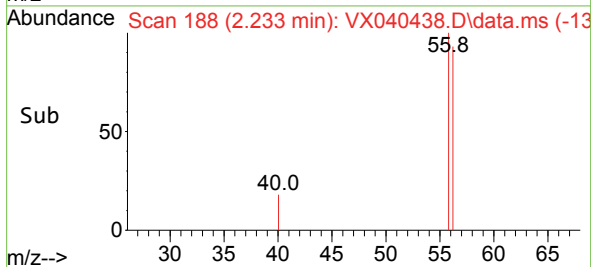
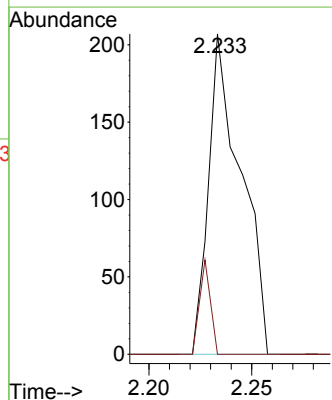
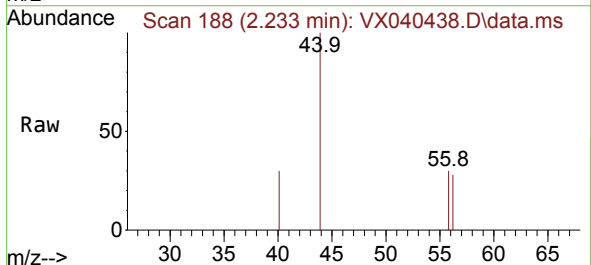
Acq: 23 Feb 2024 17:41

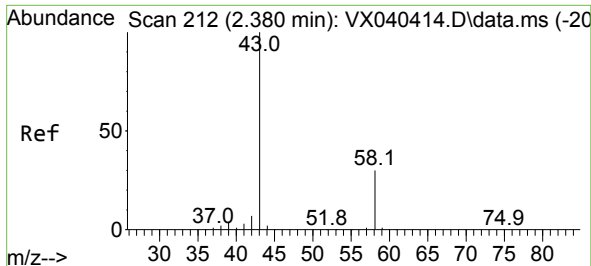
Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 9.7 57.1 85.7#

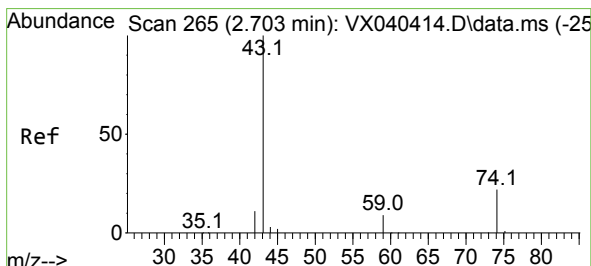
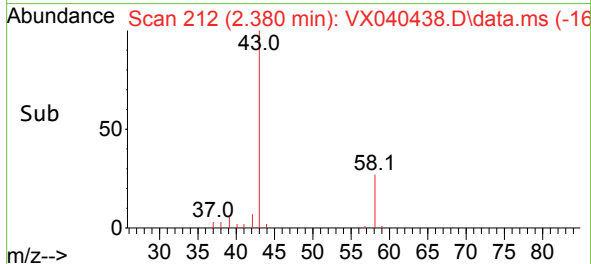
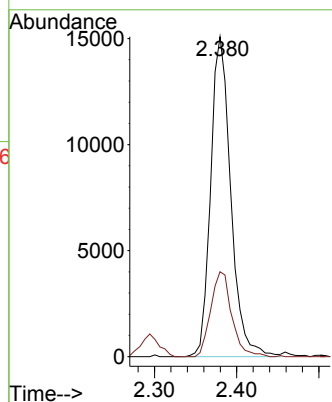
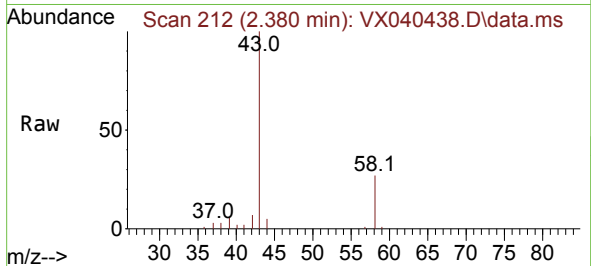




#16
Acetone
Concen: 54.932 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

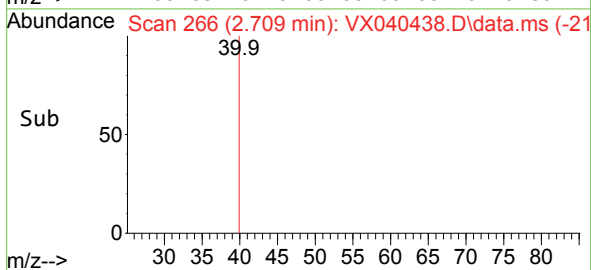
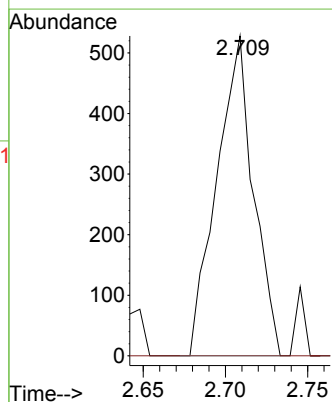
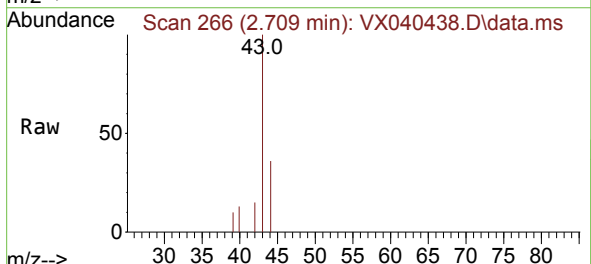
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

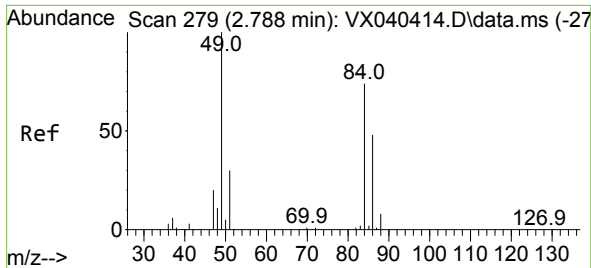
Tgt Ion: 43 Resp: 25641
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9



#18
Methyl Acetate
Concen: 0.677 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#

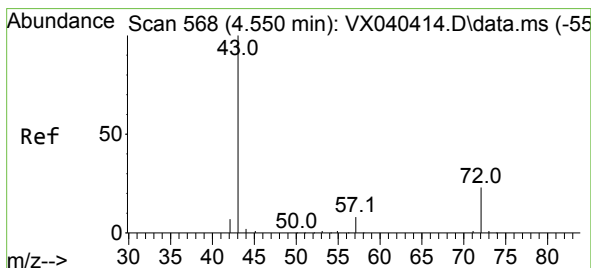
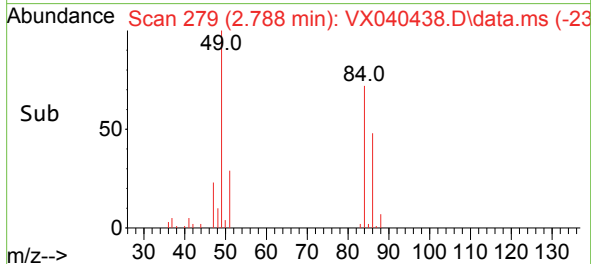
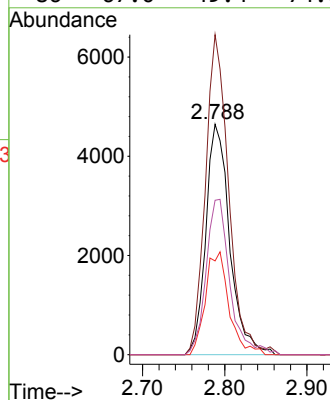
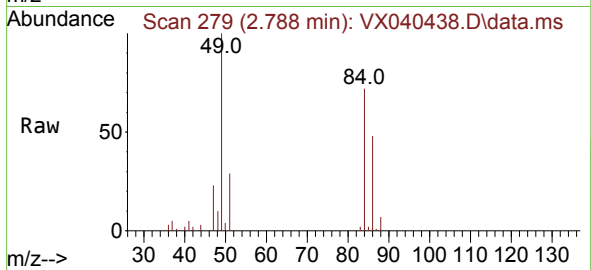




#20
Methylene Chloride
Concen: 9.596 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

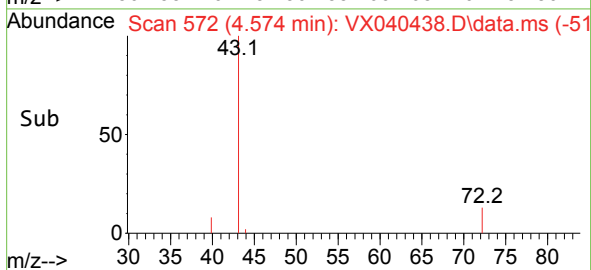
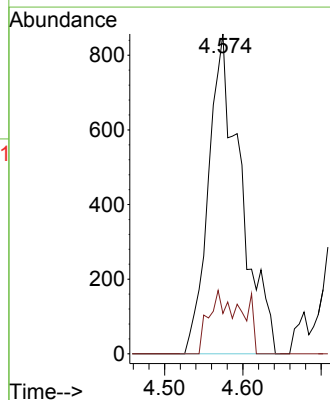
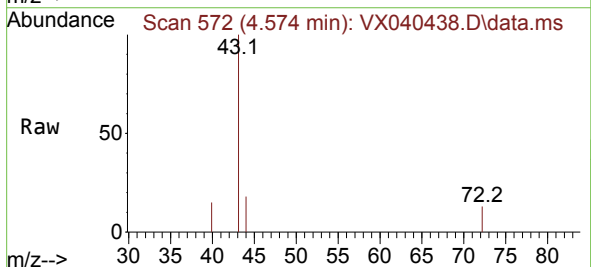
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

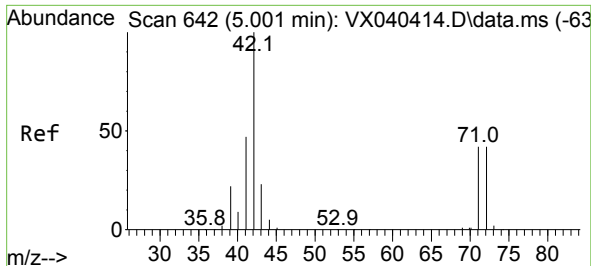
Tgt Ion:	84	Resp:	9379
Ion	Ratio	Lower	Upper
84	100		
49	138.9	103.6	155.4
51	40.7	33.8	50.6
86	67.0	49.4	74.0



#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.025 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion:	43	Resp:	2453
Ion	Ratio	Lower	Upper
43	100		
72	12.6	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX040438.D

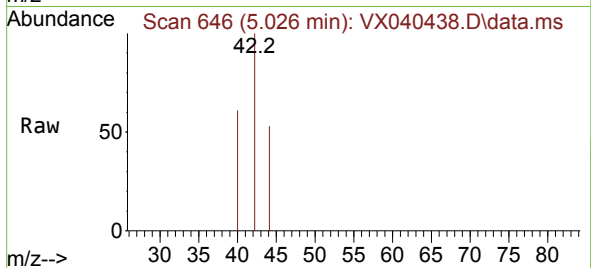
Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#08



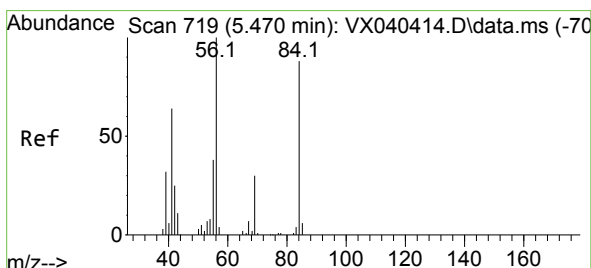
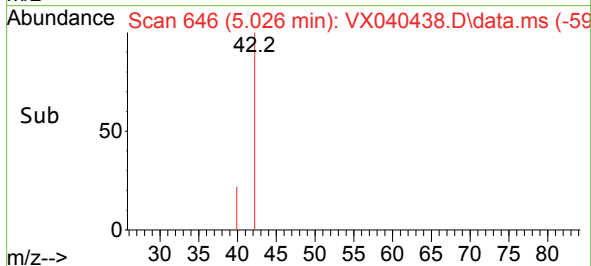
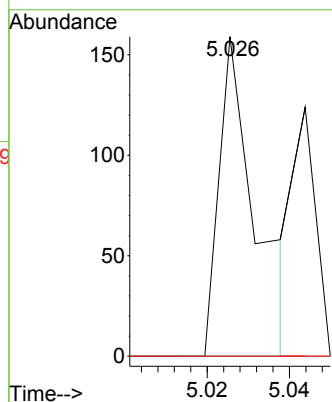
Tgt Ion: 42 Resp: 100

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.443 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

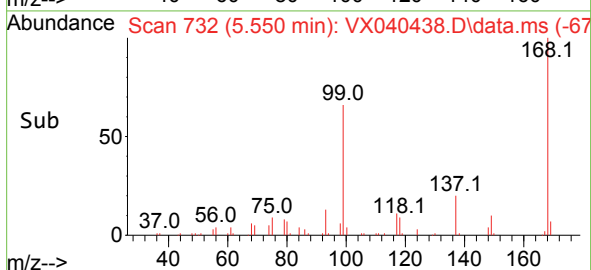
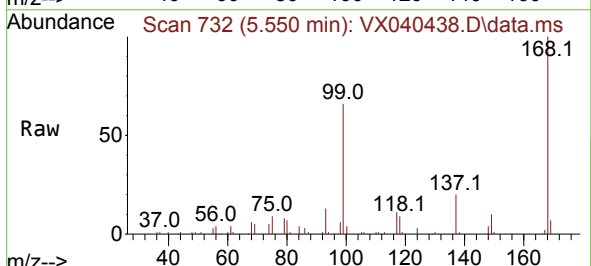
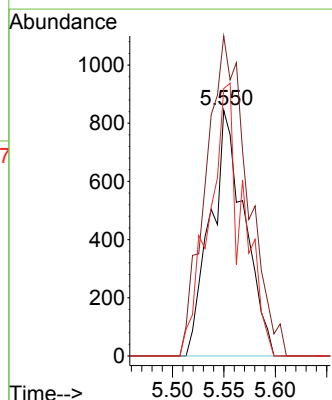
Tgt Ion: 56 Resp: 1938

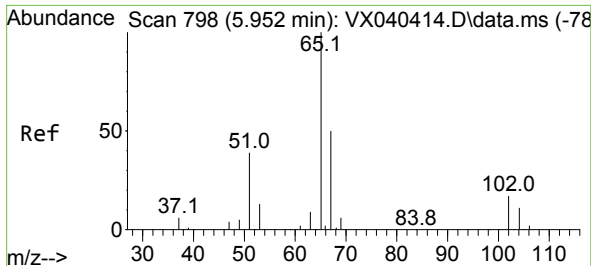
Ion Ratio Lower Upper

56 100

69 130.2 23.4 35.2#

84 108.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.364 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

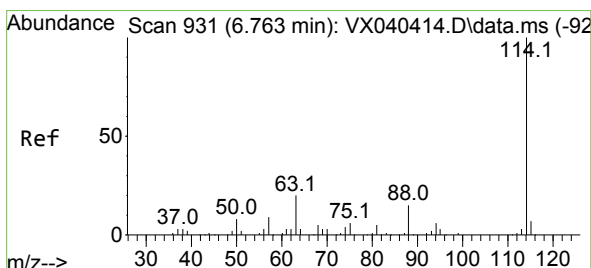
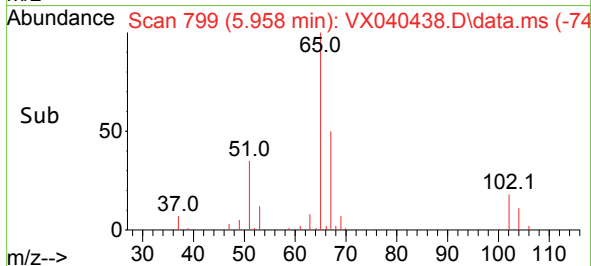
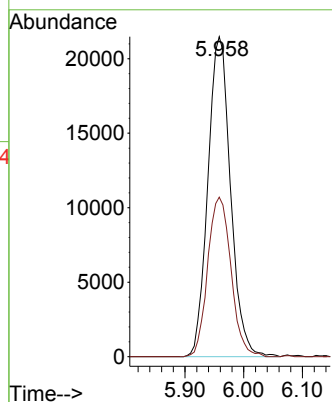
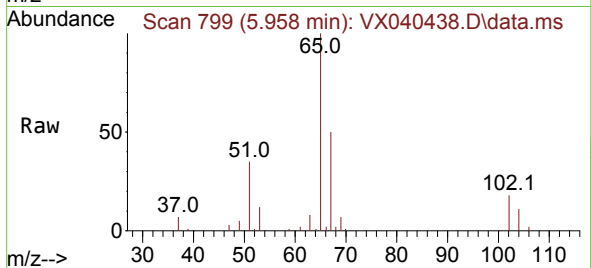
PB159217ZHE#08

Tgt Ion: 65 Resp: 57541

Ion Ratio Lower Upper

65 100

67 51.2 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: VX040438.D

Acq: 23 Feb 2024 17:41

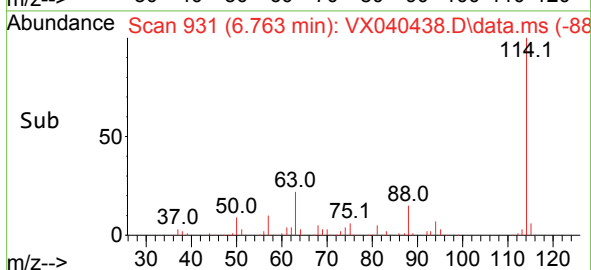
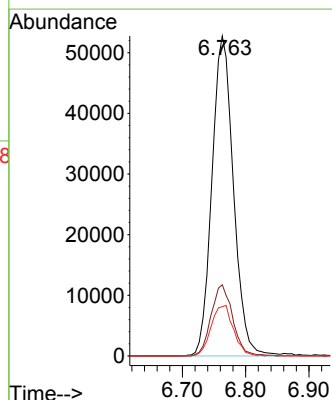
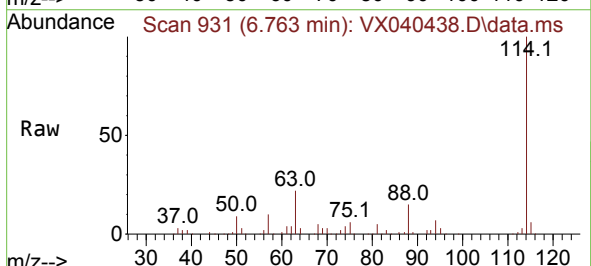
Tgt Ion: 114 Resp: 124718

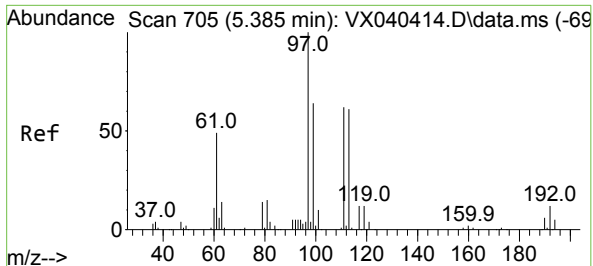
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.950 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040438.D

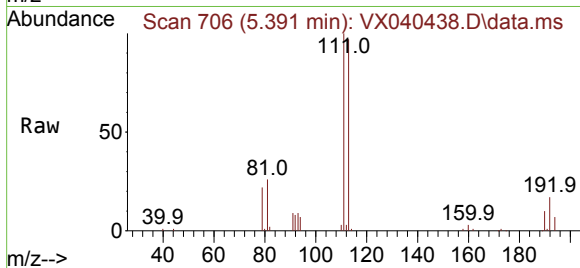
Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#08



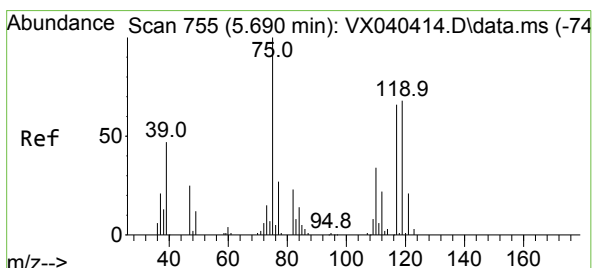
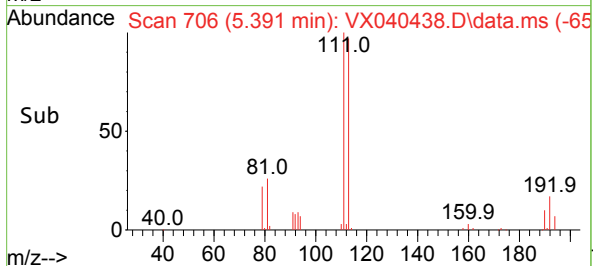
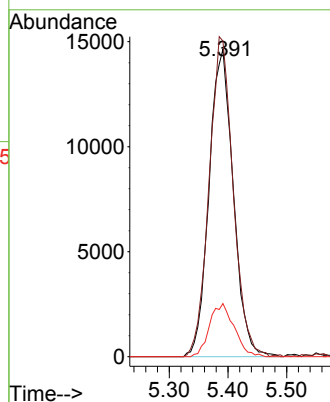
Tgt Ion:113 Resp: 41980

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 17.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

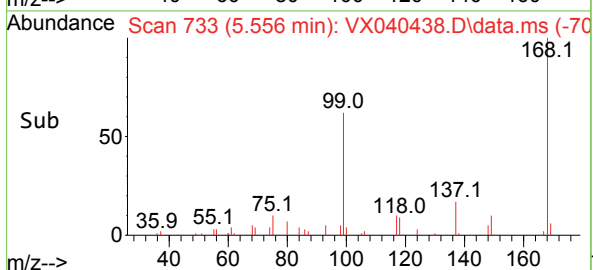
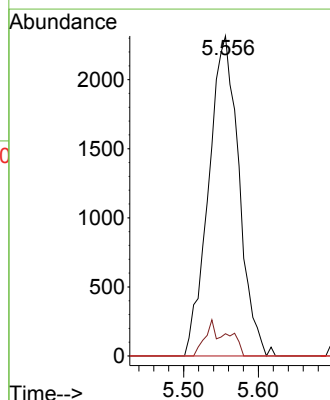
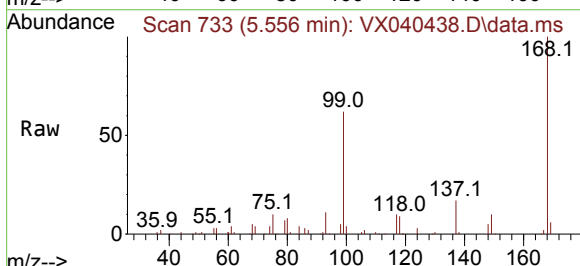
Tgt Ion: 75 Resp: 6527

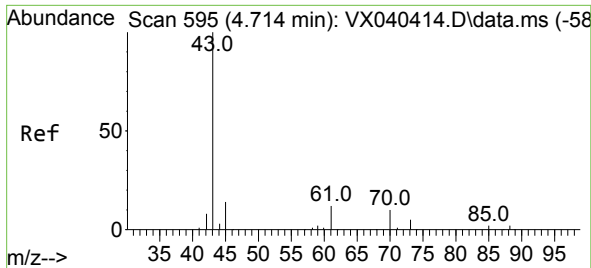
Ion Ratio Lower Upper

75 100

110 4.8 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.194 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#08

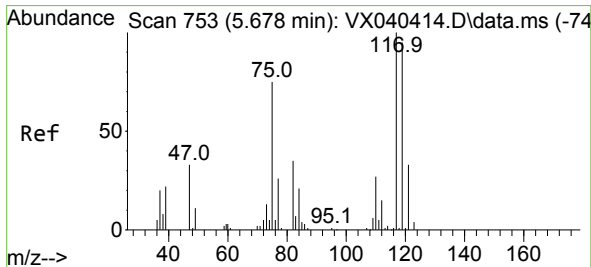
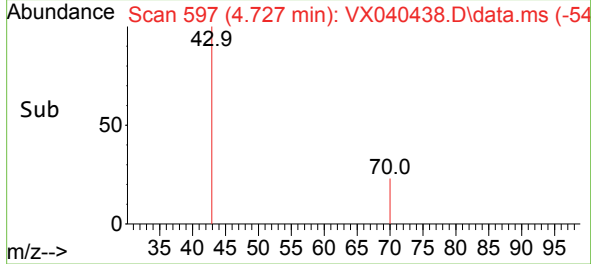
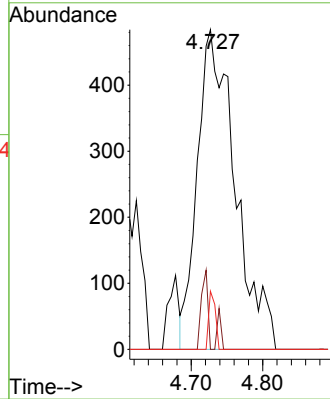
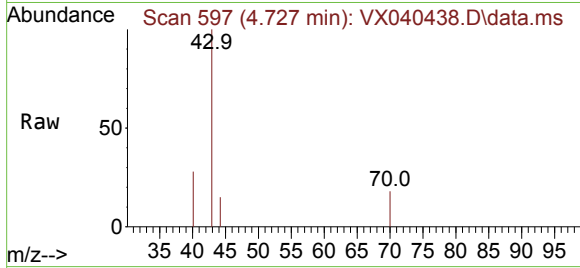
Tgt Ion: 43 Resp: 1774

Ion Ratio Lower Upper

43 100

61 4.2 10.6 16.0#

70 3.2 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.463 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

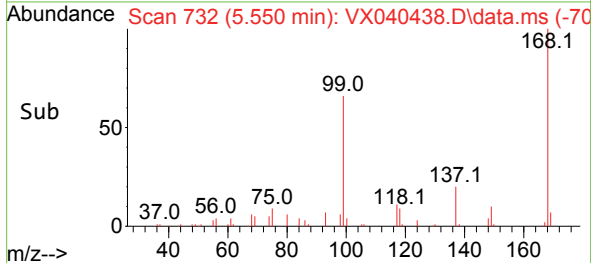
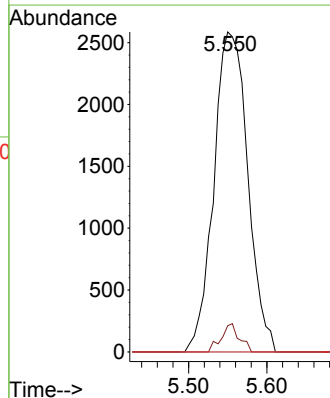
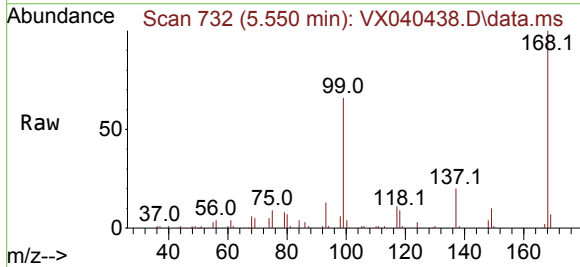
Tgt Ion: 117 Resp: 7777

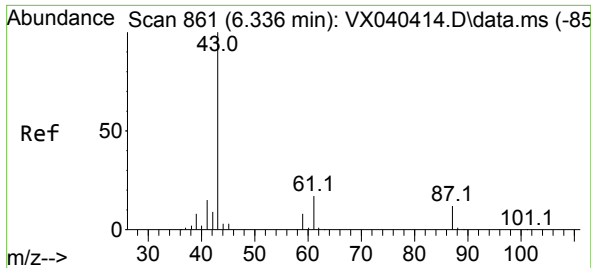
Ion Ratio Lower Upper

117 100

119 8.2 78.2 117.2#

121 0.0 24.4 36.6#

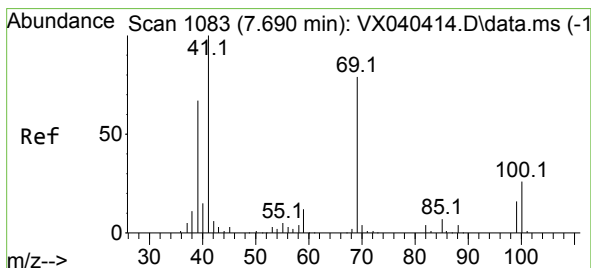
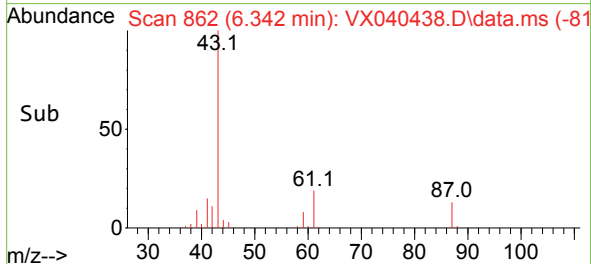
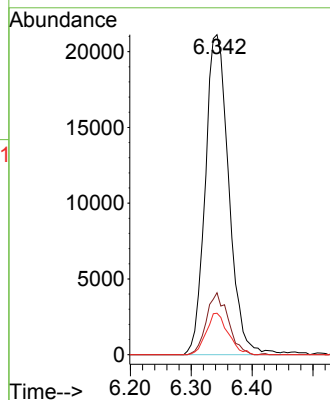
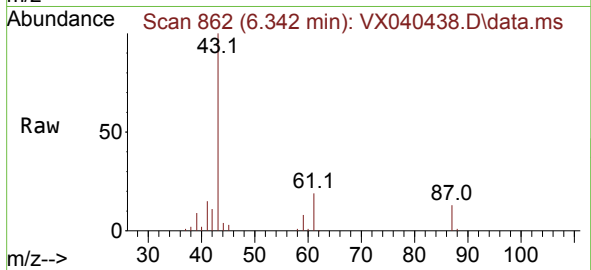




#43
Isopropyl Acetate
Concen: 24.858 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

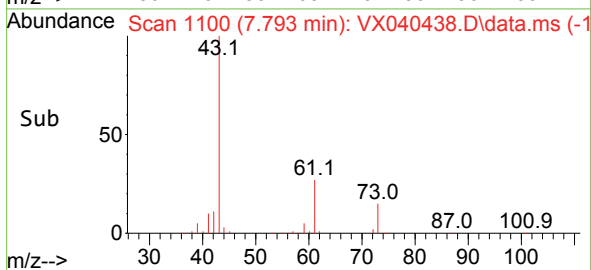
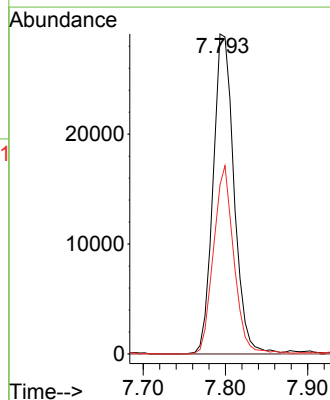
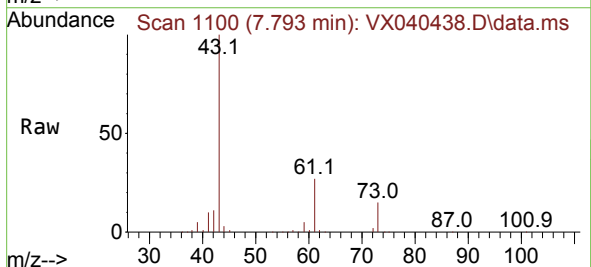
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

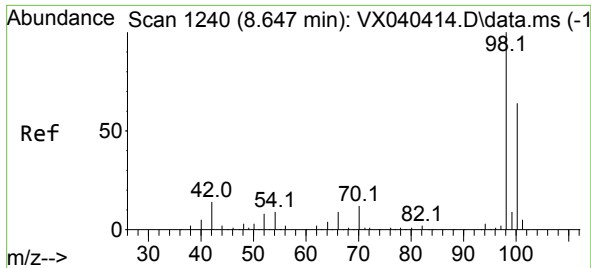
Tgt Ion: 43 Resp: 56680
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 12.1 9.8 14.6



#48
Methyl methacrylate
Concen: 45.715 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion: 41 Resp: 51622
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.3 47.7 71.5

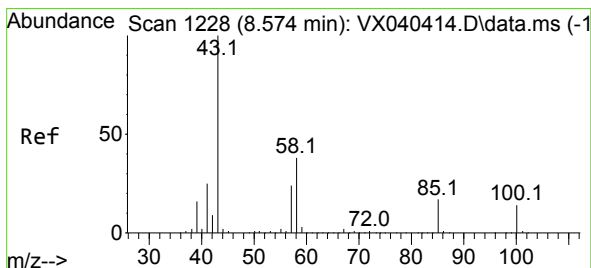
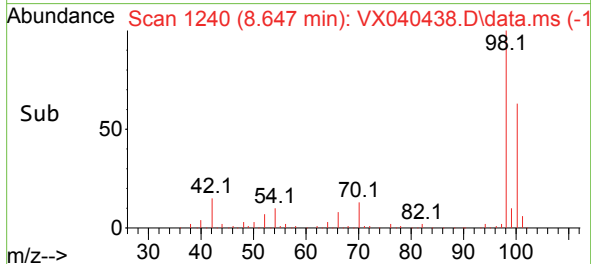
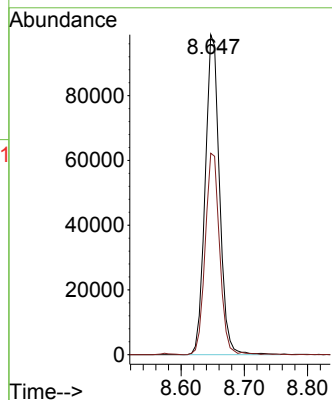
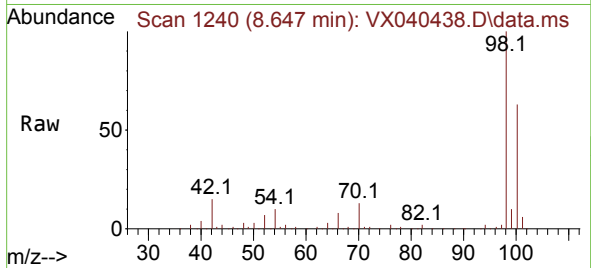




#50
Toluene-d8
Concen: 51.317 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

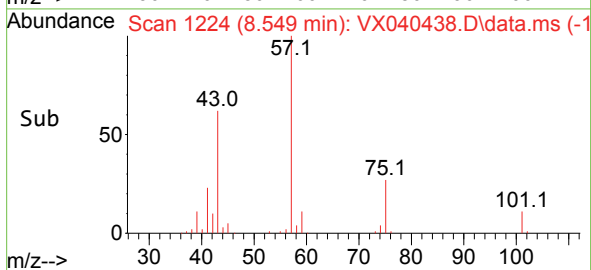
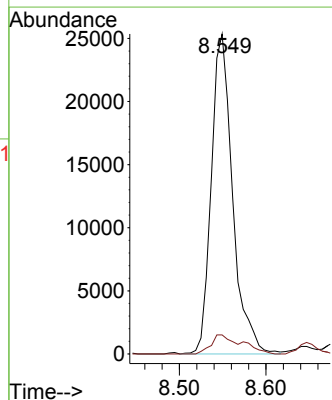
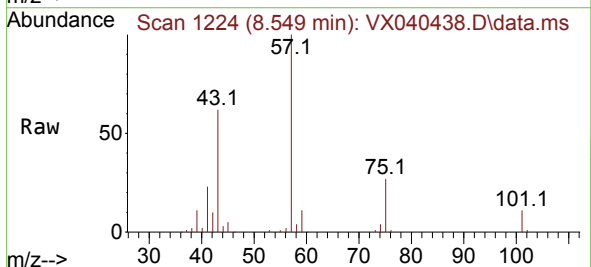
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

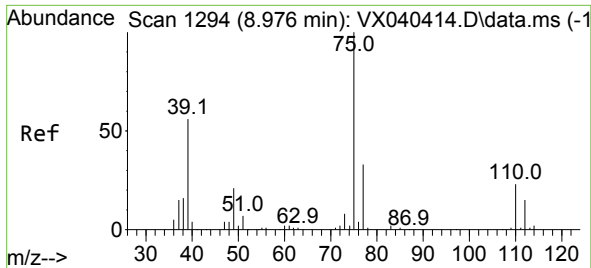
Tgt Ion: 98 Resp: 155788
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.990 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion: 43 Resp: 43347
Ion Ratio Lower Upper
43 100
58 8.6 30.4 45.6#

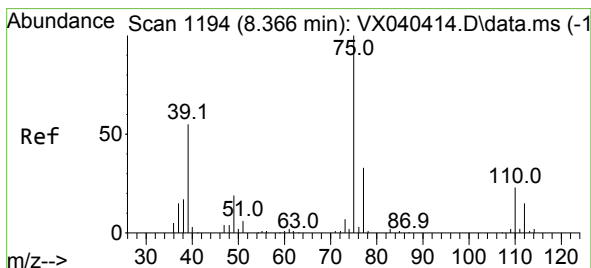
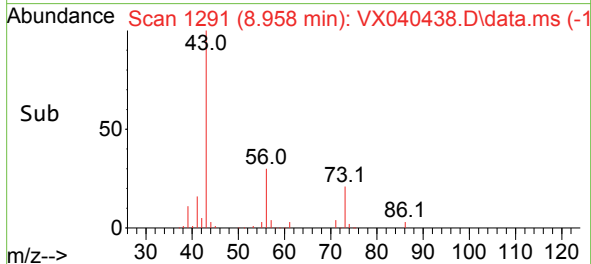
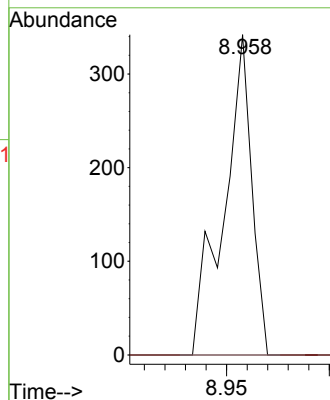
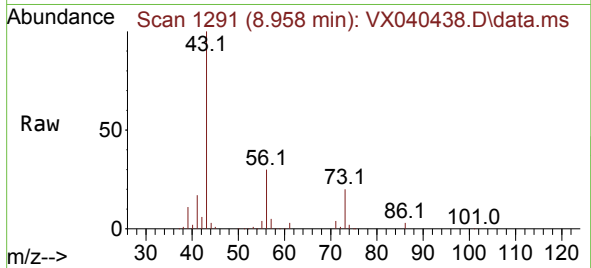




#53
 t-1,3-Dichloropropene
 Concen: 0.244 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX040438.D
 Acq: 23 Feb 2024 17:41

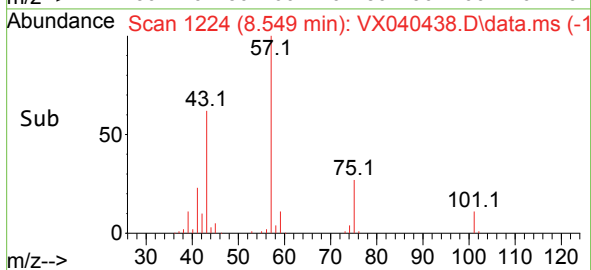
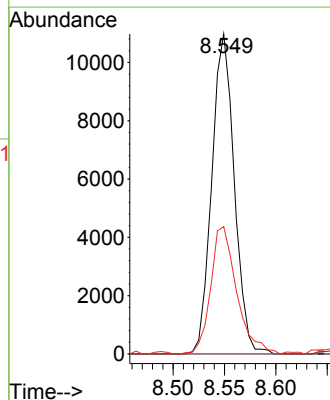
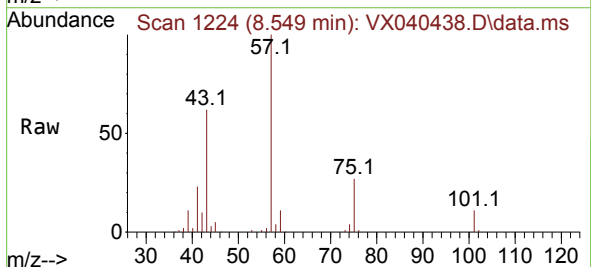
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#08

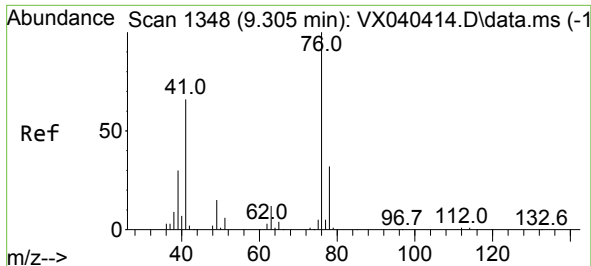
Tgt Ion: 75 Resp: 325
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.805 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040438.D
 Acq: 23 Feb 2024 17:41

Tgt Ion: 75 Resp: 16717
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.404 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

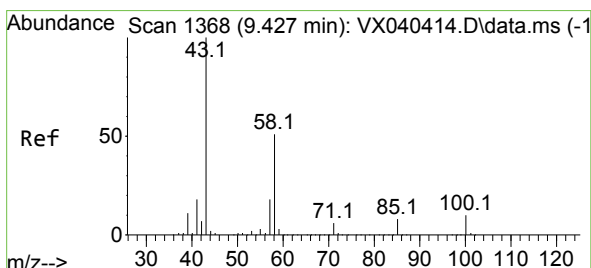
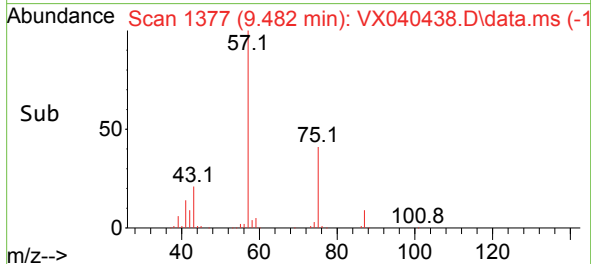
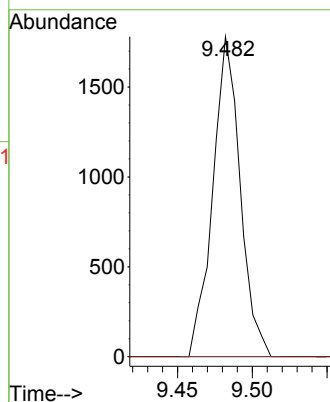
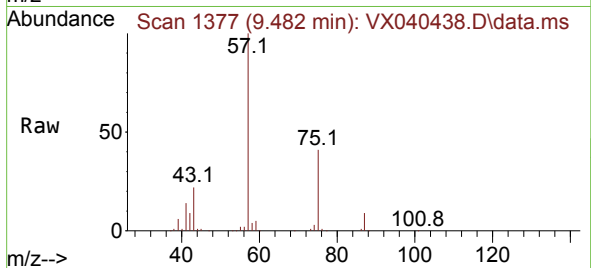
PB159217ZHE#08

Tgt Ion: 76 Resp: 2271

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.346 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX040438.D

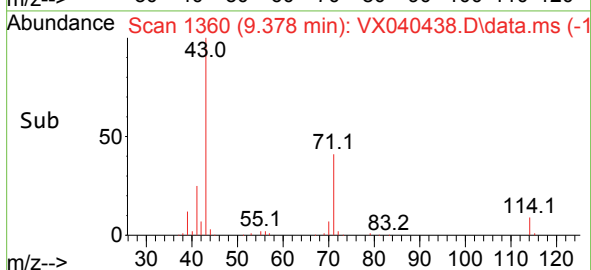
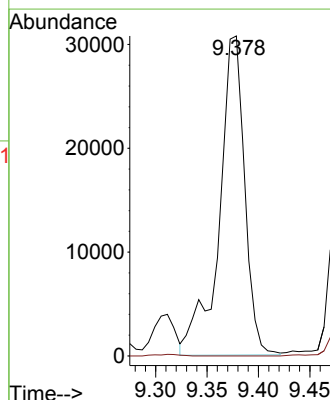
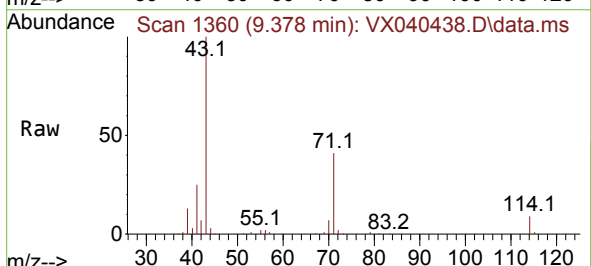
Acq: 23 Feb 2024 17:41

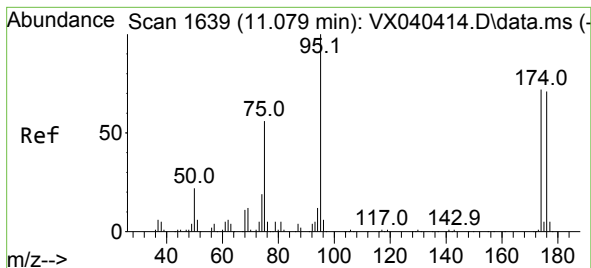
Tgt Ion: 43 Resp: 52967

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

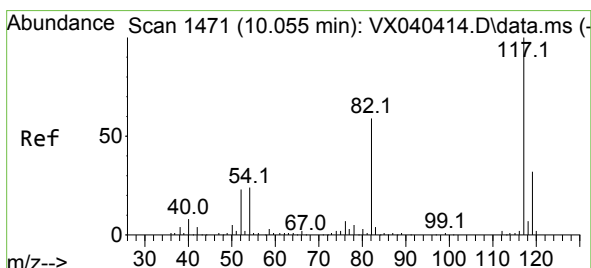
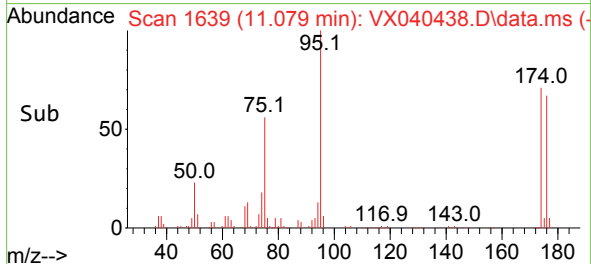
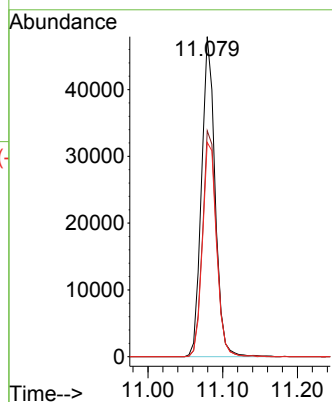
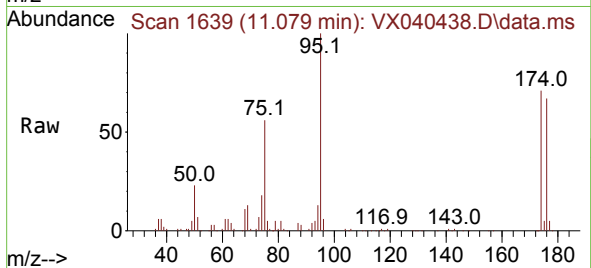




#62
4-Bromofluorobenzene
Concen: 49.492 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

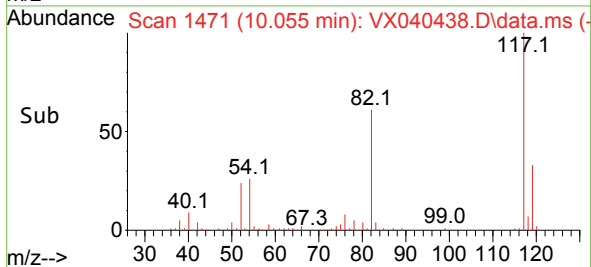
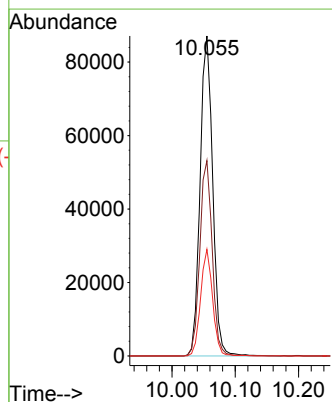
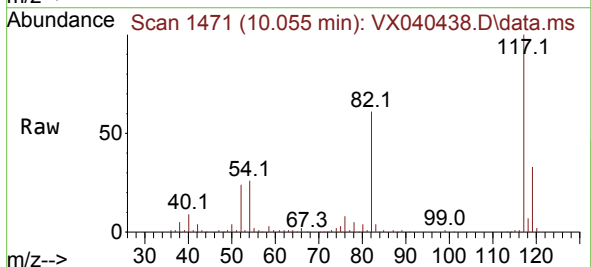
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#08

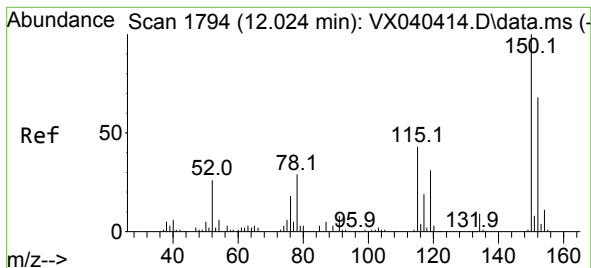
Tgt Ion: 95 Resp: 60206
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040438.D
Acq: 23 Feb 2024 17:41

Tgt Ion: 117 Resp: 120840
Ion Ratio Lower Upper
117 100
82 61.1 46.2 69.4
119 33.3 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: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#08

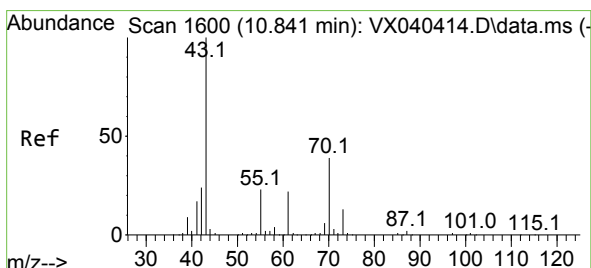
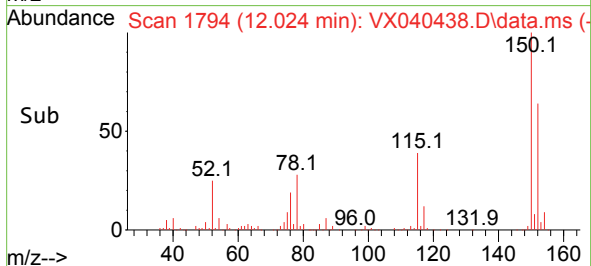
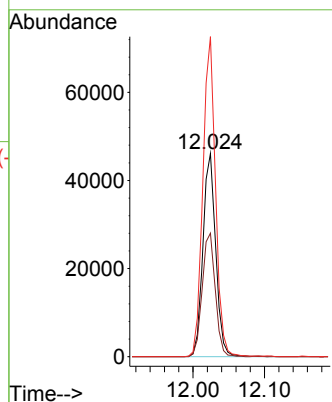
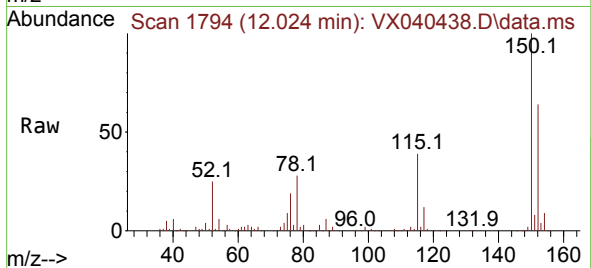
Tgt Ion:152 Resp: 57341

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 155.7 0.0 345.0



#74

N-ethyl acetate

Concen: 0.248 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Tgt Ion: 43 Resp: 467

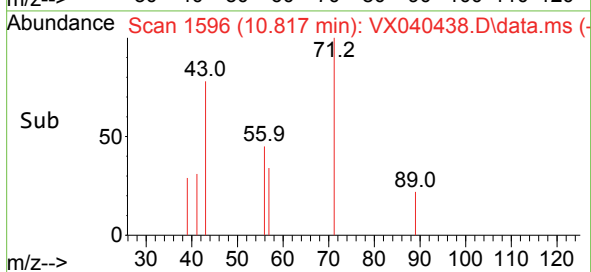
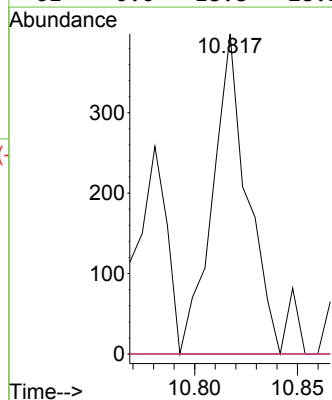
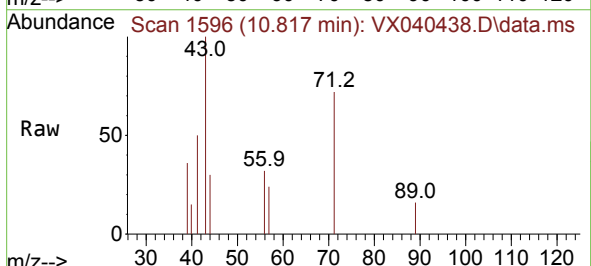
Ion Ratio Lower Upper

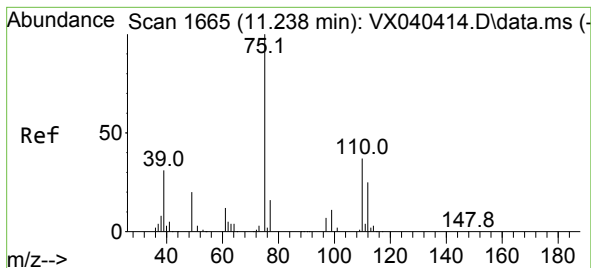
43 100

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: 26.754 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Instrument :

MSVOA_X

ClientSampleId :

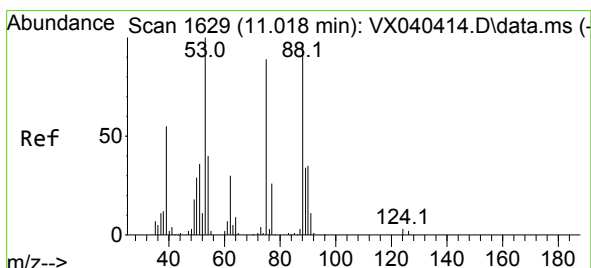
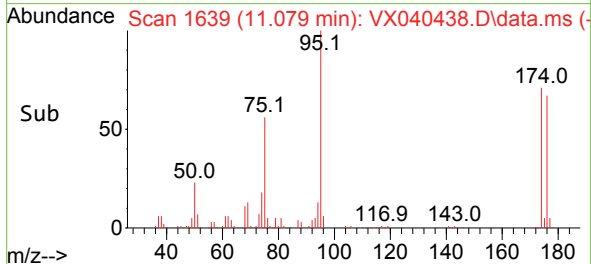
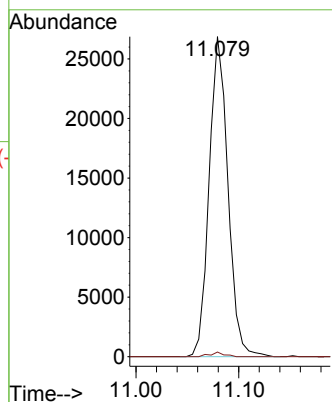
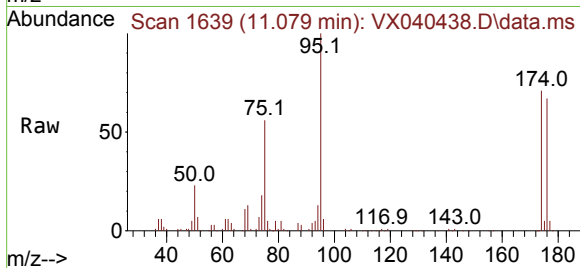
PB159217ZHE#08

Tgt Ion: 75 Resp: 34112

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.091 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040438.D

Acq: 23 Feb 2024 17:41

Tgt Ion: 75 Resp: 34112

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

