

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090823\
 Data File : VX037612.D
 Acq On : 08 Sep 2023 19:27
 Operator : JC/MD
 Sample : PB155394ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

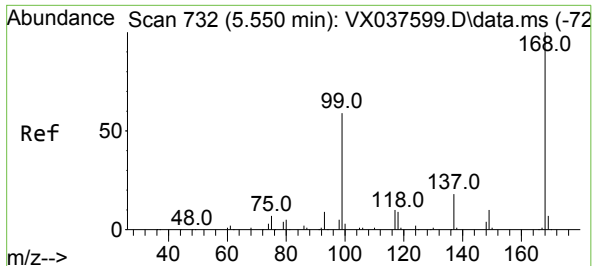
Instrument :
 MSVOA_X
 ClientSampleId :
 PB155394ZHE#04

Quant Time: Sep 09 04:59:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 03:56:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	132691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220962	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74427	41.552	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.100%		
35) Dibromofluoromethane	5.391	113	66697	43.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.320%		
50) Toluene-d8	8.653	98	260711	45.993	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.980%#		
62) 4-Bromofluorobenzene	11.079	95	87044	40.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.480%#		
Target Compounds						Qvalue
8) Diethyl Ether	2.136	74	784	0.836	ug/l	58
11) Tert butyl alcohol	2.946	59	3674	9.167	ug/l #	78
13) Acrolein	2.245	56	147	0.373	ug/l	90
16) Acetone	2.386	43	19111	25.945	ug/l #	84
18) Methyl Acetate	2.709	43	1982	0.663	ug/l	94
20) Methylene Chloride	2.788	84	11235	5.741	ug/l #	83
25) 2-Butanone	4.568	43	5088	4.555	ug/l	91
29) Tetrahydrofuran	5.044	42	432	0.604	ug/l #	59
31) Cyclohexane	5.550	56	2348	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9673	4.738	ug/l #	51
37) Ethyl Acetate	4.733	43	2133	1.019	ug/l #	94
38) Carbon Tetrachloride	5.550	117	13608	6.449	ug/l #	15
43) Isopropyl Acetate	6.348	43	93881	29.941	ug/l #	88
48) Methyl methacrylate	7.799	41	80737	53.800	ug/l #	45
49) 1,4-Dioxane	7.799	88	139	2.952	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81799	41.020	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	852	0.389	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	42698	17.517	ug/l #	48
56) Ethyl methacrylate	9.244	69	867	0.351	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5458	1.930	ug/l #	42
59) 2-Hexanone	9.482	43	60989	40.100	ug/l #	57
74) N-amyl acetate	10.640	43	19529	9.817	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	40435	22.433	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40435	66.906	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	419	0.256	ug/l	90

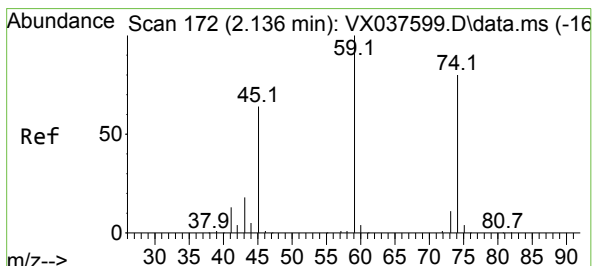
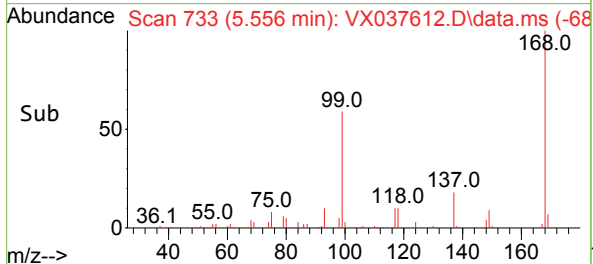
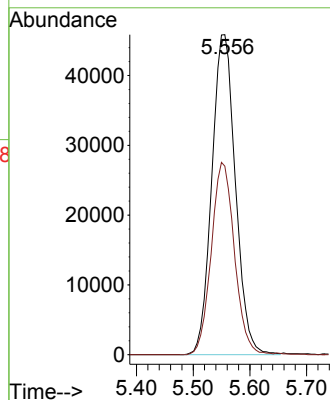
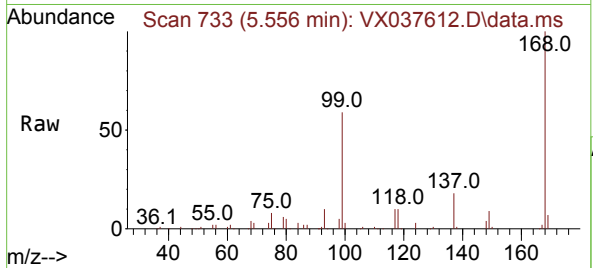
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

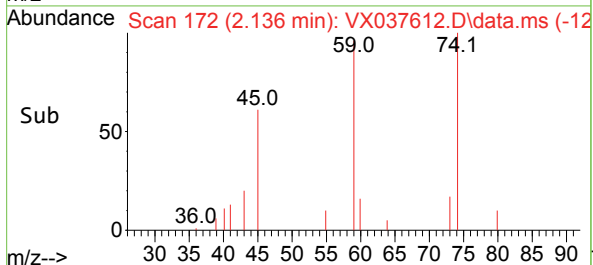
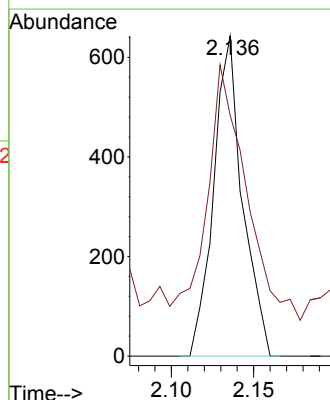
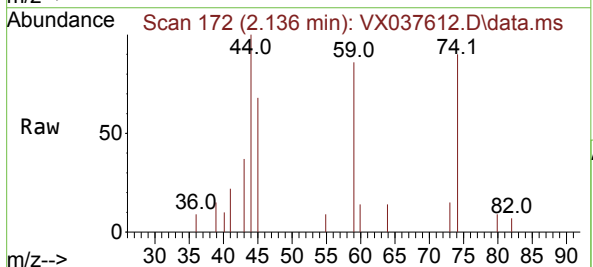
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

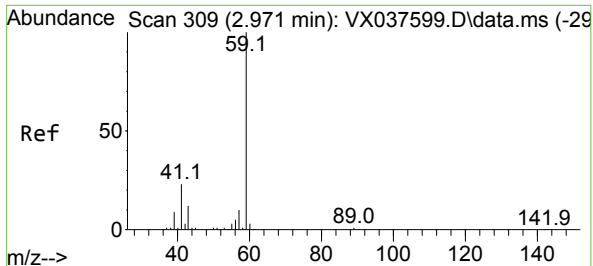
Tgt Ion:168 Resp: 132691
Ion Ratio Lower Upper
168 100
99 58.9 56.6 85.0



#8
Diethyl Ether
Concen: 0.836 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 74 Resp: 784
Ion Ratio Lower Upper
74 100
45 150.3 53.3 159.8





#11

Tert butyl alcohol

Concen: 9.167 ug/l

RT: 2.946 min Scan# 309

Delta R.T. -0.025 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

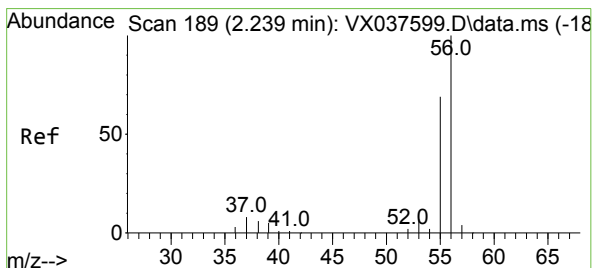
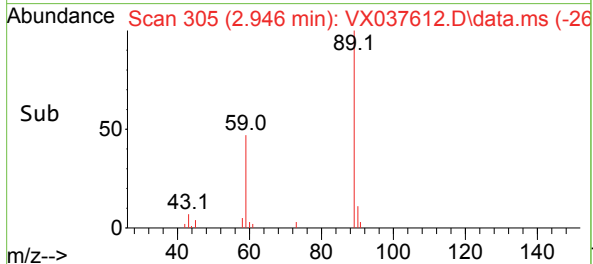
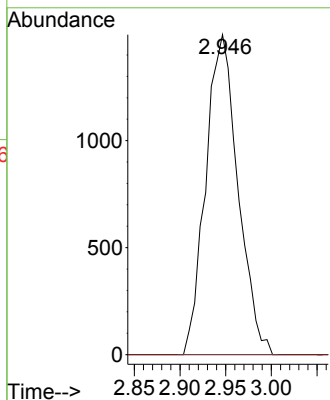
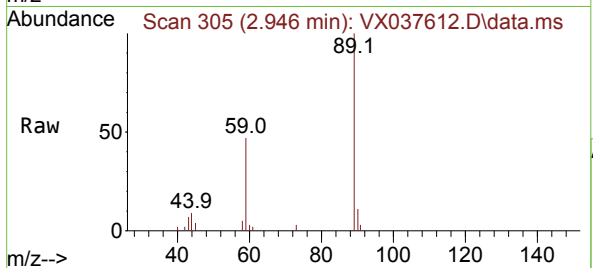
PB155394ZHE#04

Tgt Ion: 59 Resp: 3674

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.373 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX037612.D

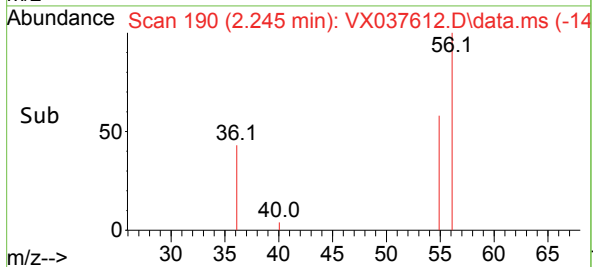
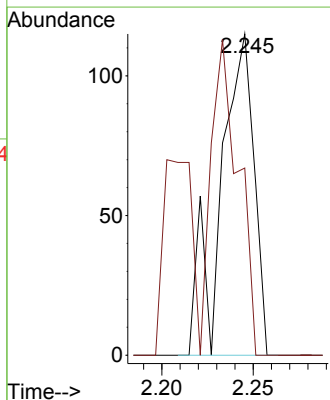
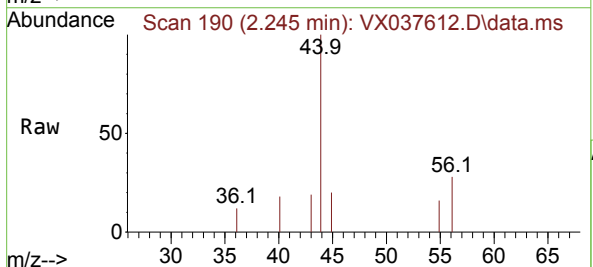
Acq: 08 Sep 2023 19:27

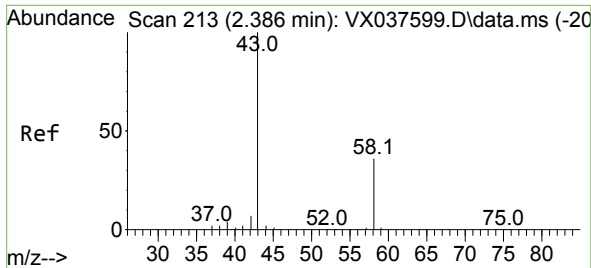
Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 79.6 57.1 85.7

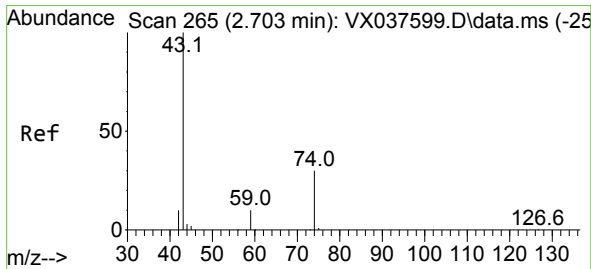
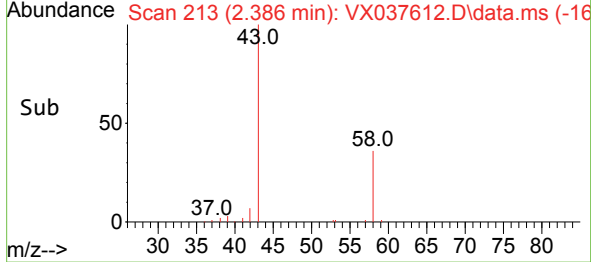
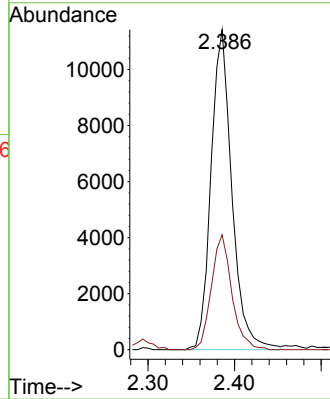
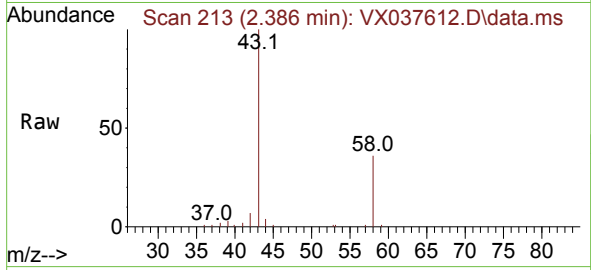




#16
Acetone
Concen: 25.945 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

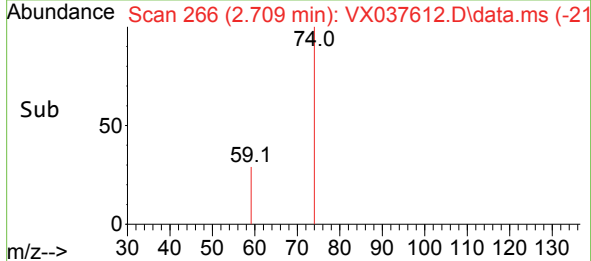
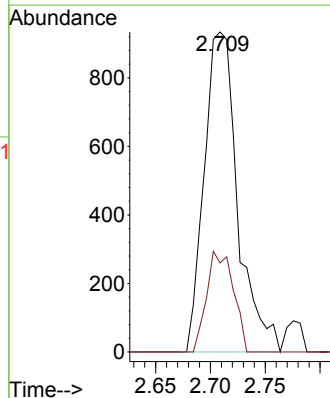
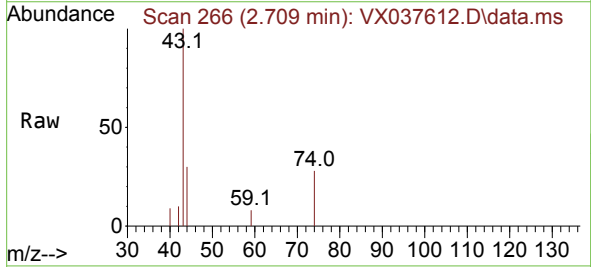
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

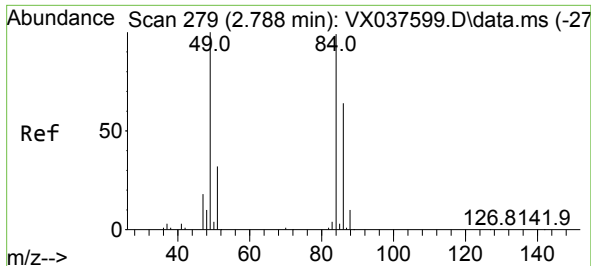
Tgt Ion: 43 Resp: 19111
Ion Ratio Lower Upper
43 100
58 35.9 21.9 32.9#



#18
Methyl Acetate
Concen: 0.663 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

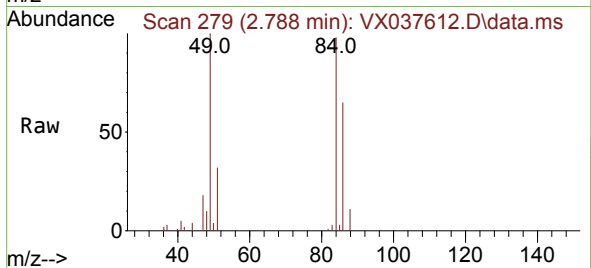
Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
74 25.1 17.8 26.8



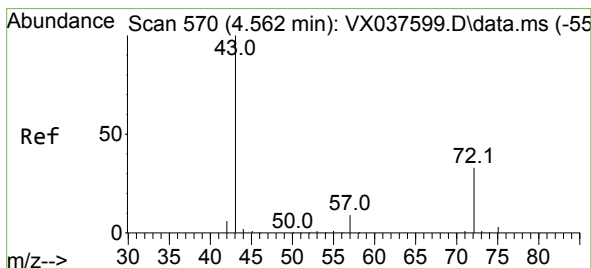
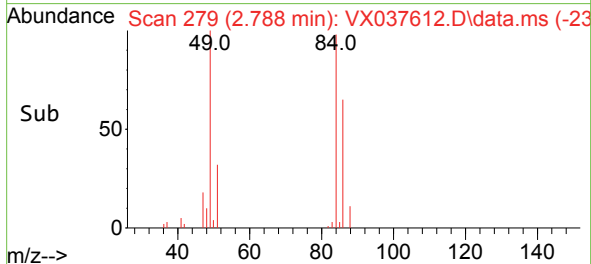
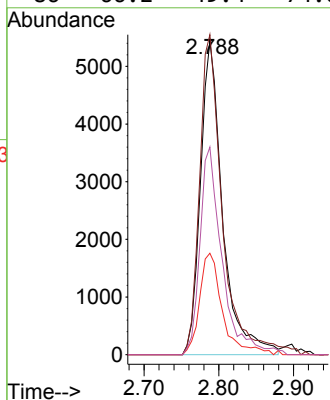


#20
Methylene Chloride
Concen: 5.741 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

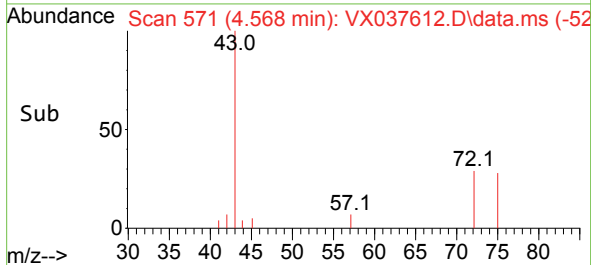
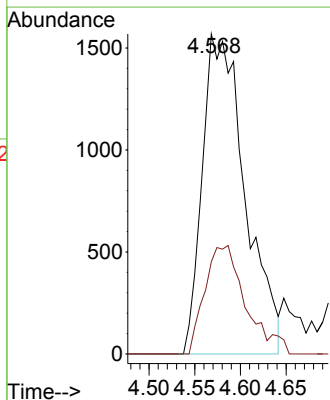
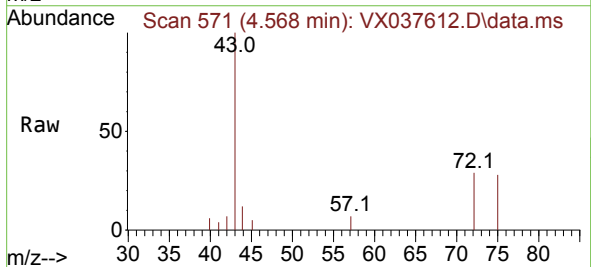


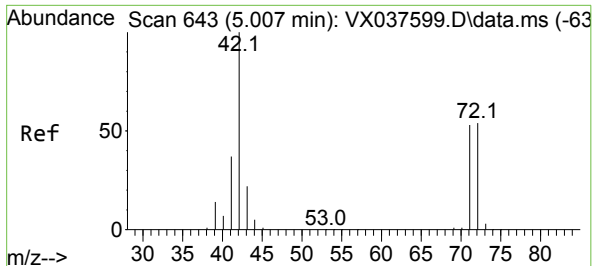
Tgt Ion:	84	Resp:	11235
Ion	Ratio	Lower	Upper
84	100		
49	102.0	103.6	155.4#
51	32.3	33.8	50.6#
86	66.2	49.4	74.0



#25
2-Butanone
Concen: 4.555 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion:	43	Resp:	5088
Ion	Ratio	Lower	Upper
43	100		
72	28.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.604 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#04

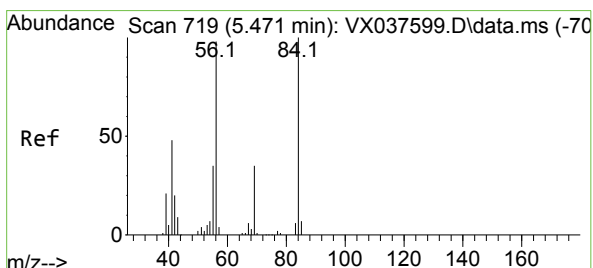
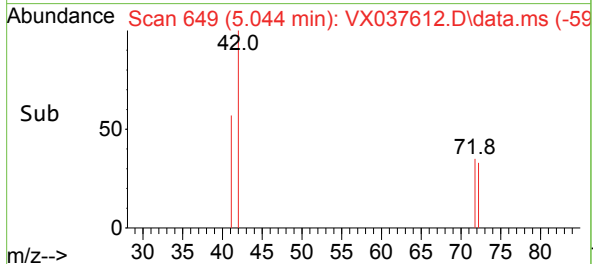
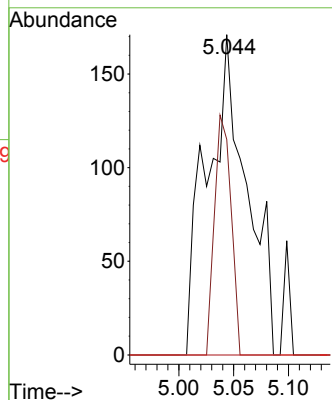
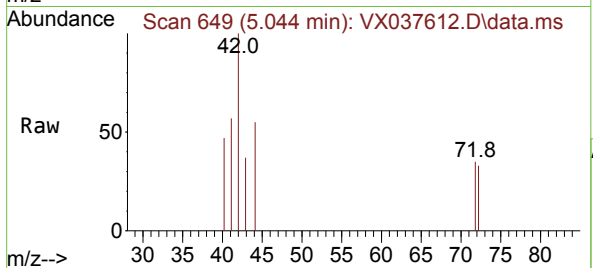
Tgt Ion: 42 Resp: 432

Ion Ratio Lower Upper

42 100

72 31.3 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

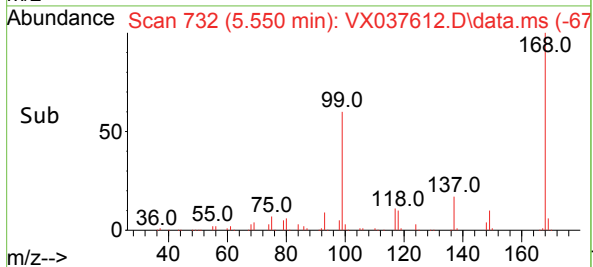
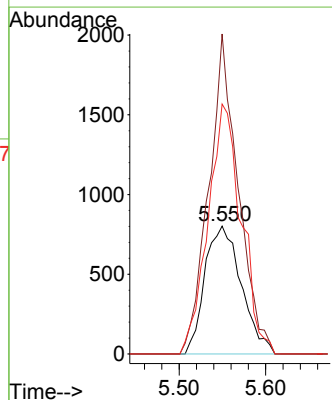
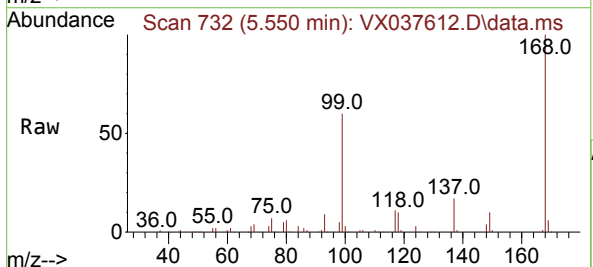
Tgt Ion: 56 Resp: 2348

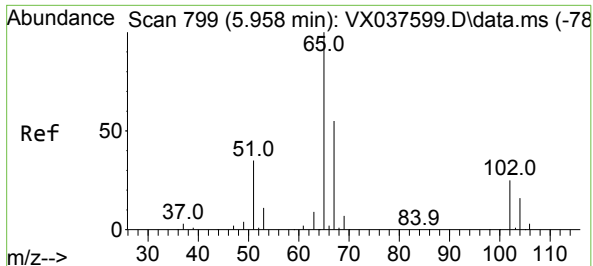
Ion Ratio Lower Upper

56 100

69 250.2 23.4 35.2#

84 195.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.552 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

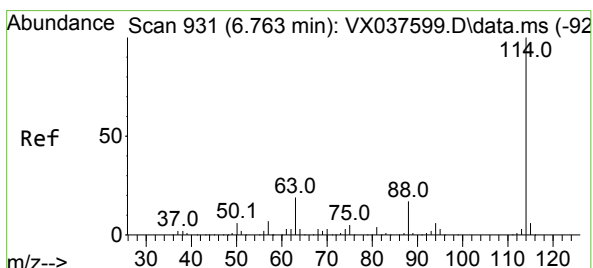
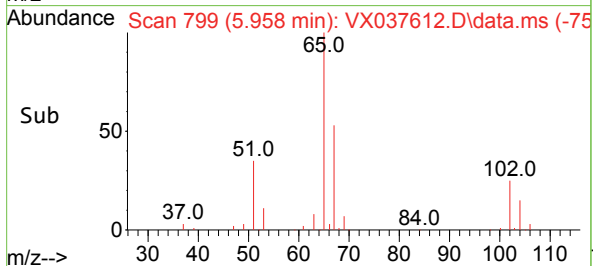
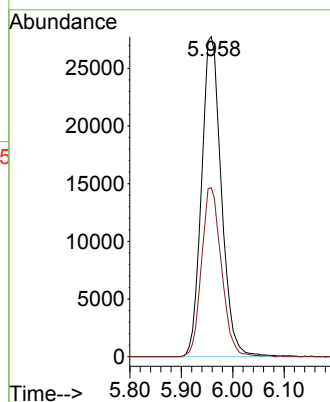
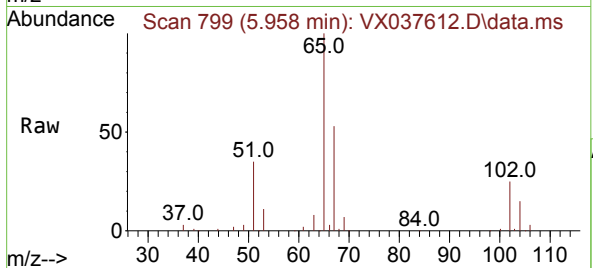
PB155394ZHE#04

Tgt Ion: 65 Resp: 74427

Ion Ratio Lower Upper

65 100

67 53.0 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: VX037612.D

Acq: 08 Sep 2023 19:27

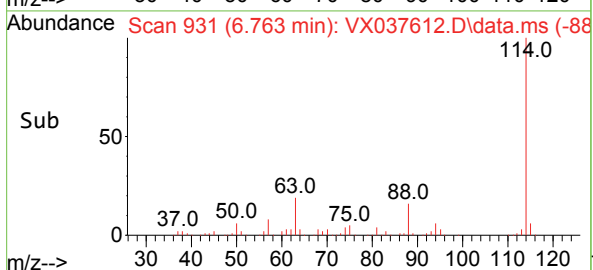
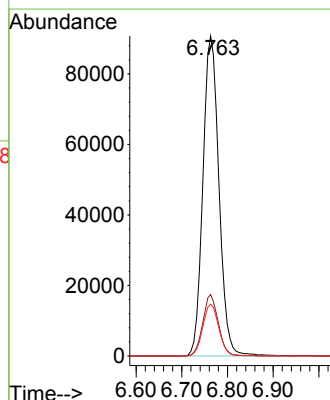
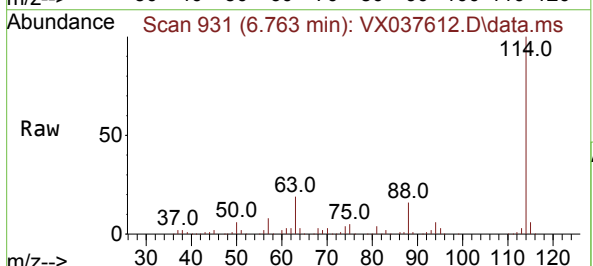
Tgt Ion: 114 Resp: 220962

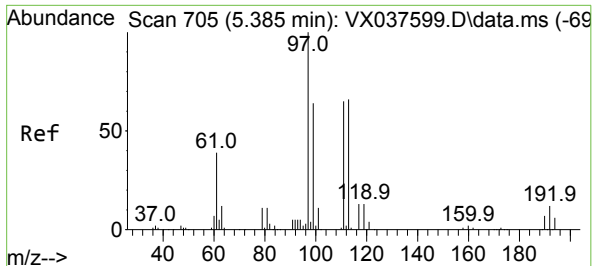
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 16.1 0.0 36.6

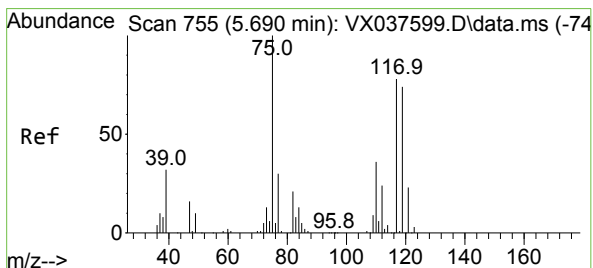
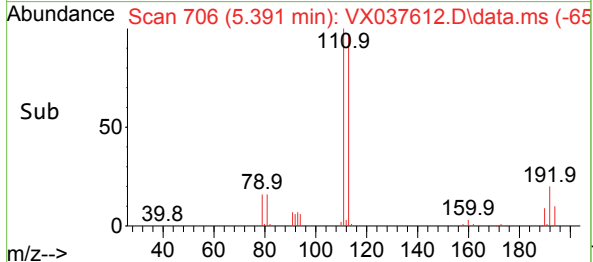
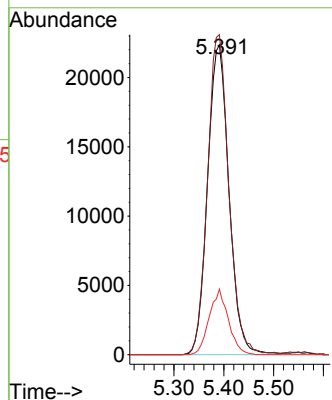
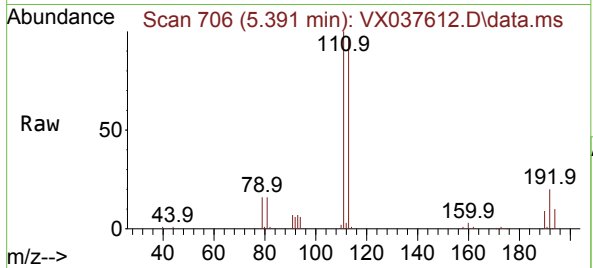




#35
Dibromofluoromethane
Concen: 43.156 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

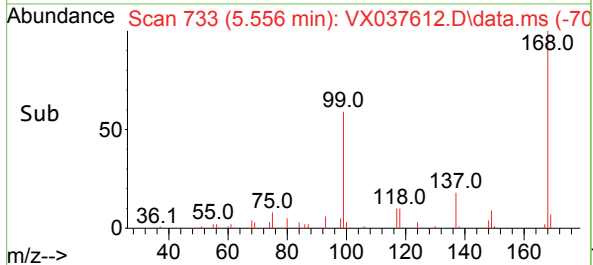
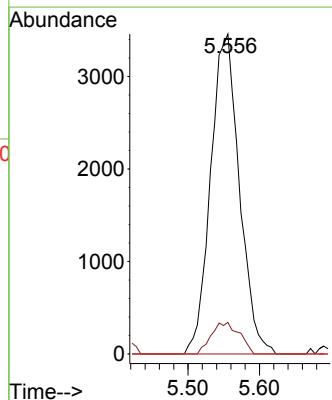
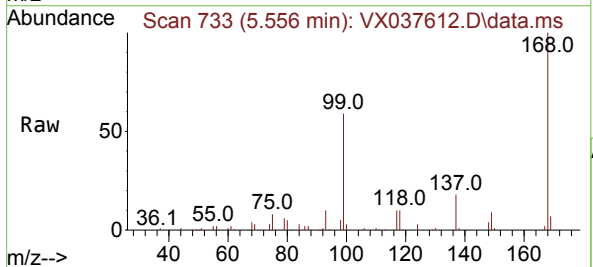
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

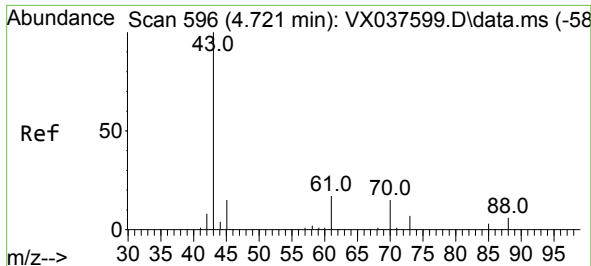
Tgt Ion:113 Resp: 66697
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 75 Resp: 9673
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.019 ug/l

RT: 4.733 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#04

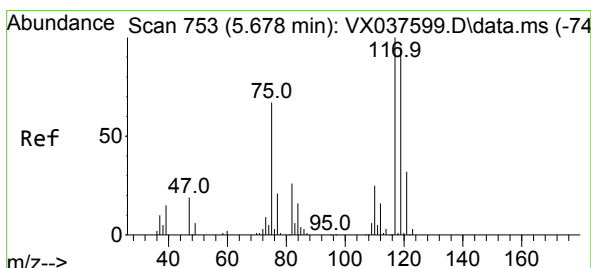
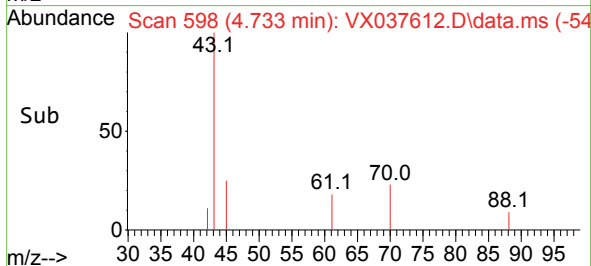
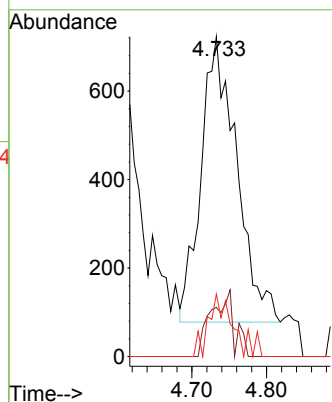
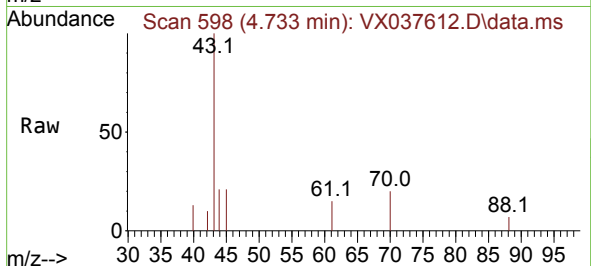
Tgt Ion: 43 Resp: 2133

Ion Ratio Lower Upper

43 100

61 14.9 10.6 16.0

70 13.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.449 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

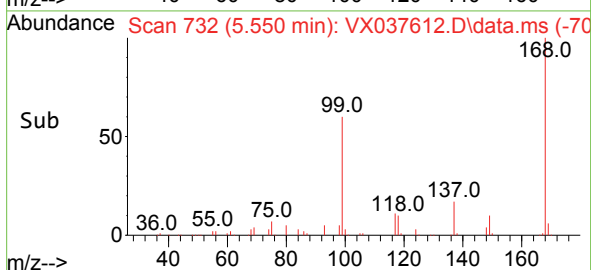
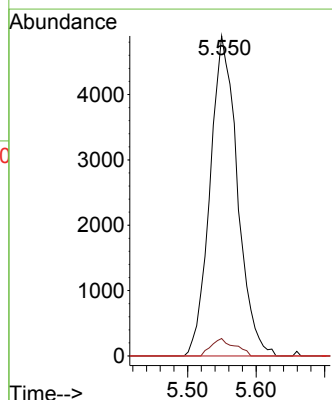
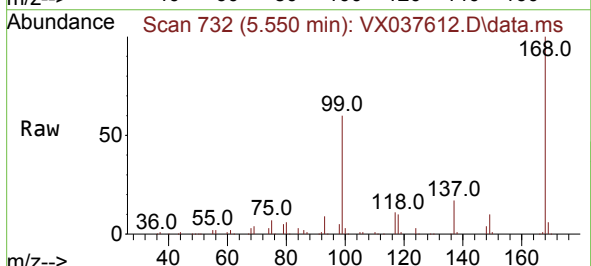
Tgt Ion: 117 Resp: 13608

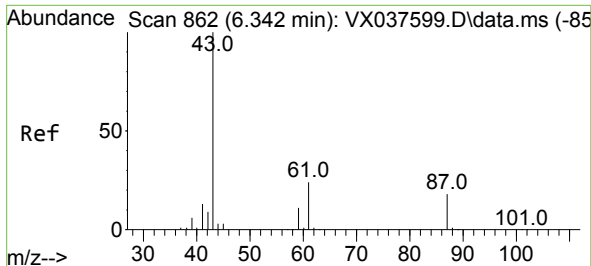
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 24.4 36.6#

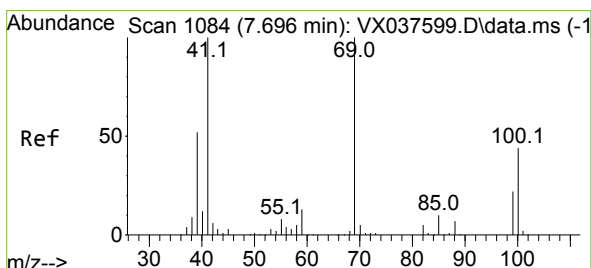
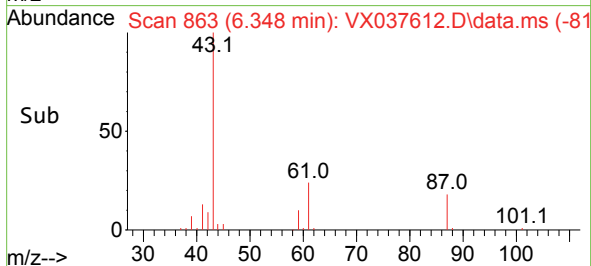
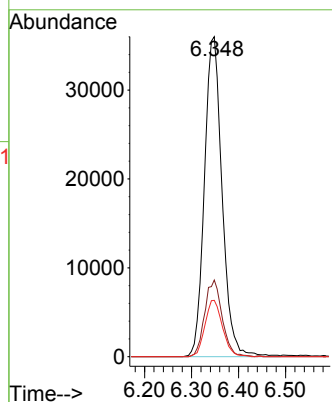
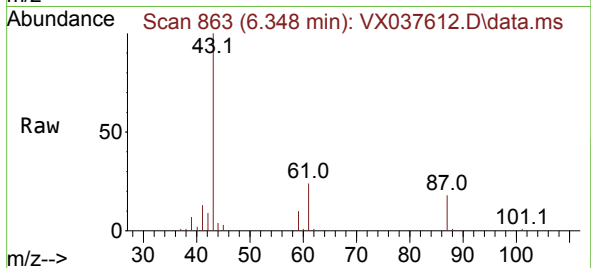




#43
Isopropyl Acetate
Concen: 29.941 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

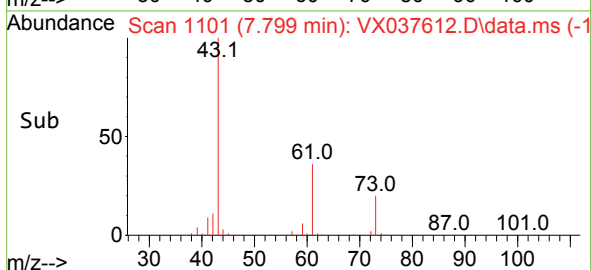
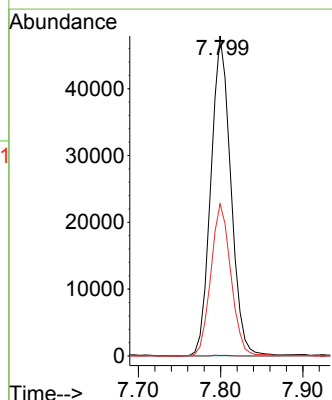
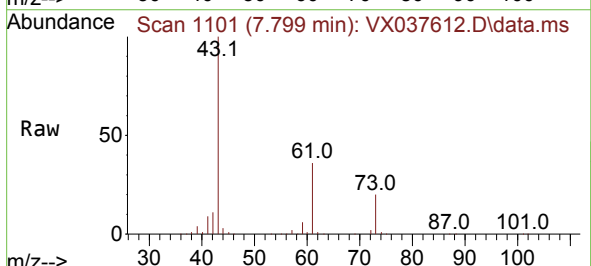
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

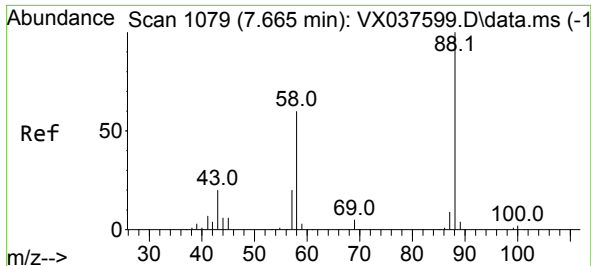
Tgt Ion: 43 Resp: 93881
Ion Ratio Lower Upper
43 100
61 23.7 15.2 22.8#
87 17.5 9.8 14.6#



#48
Methyl methacrylate
Concen: 53.800 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 41 Resp: 80737
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 47.8 47.7 71.5





#49

1,4-Dioxane

Concen: 2.952 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#04

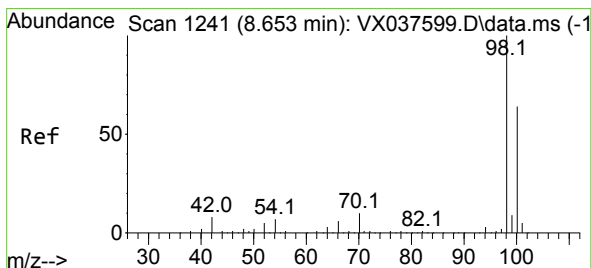
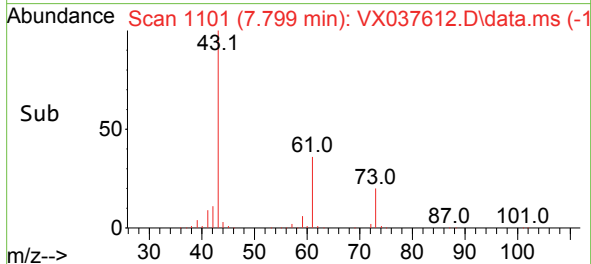
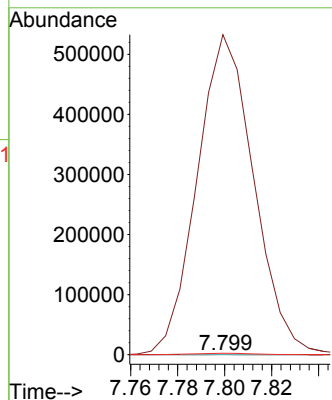
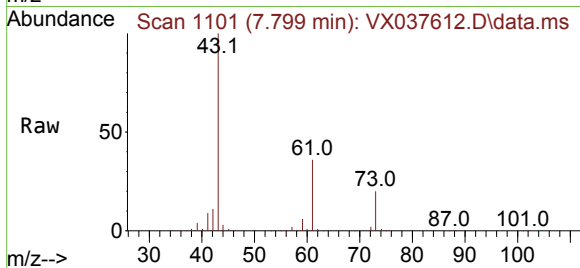
Tgt Ion: 88 Resp: 139

Ion Ratio Lower Upper

88 100

43 648747.5 0.0 0.0#

58 3138.8 60.1 90.1#



#50

Toluene-d8

Concen: 45.993 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037612.D

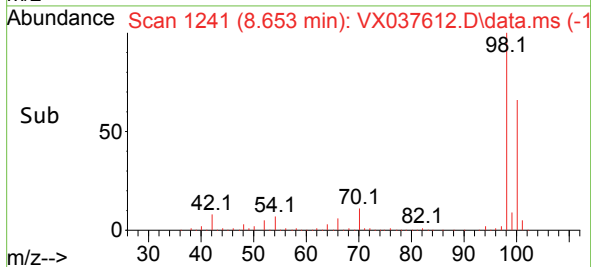
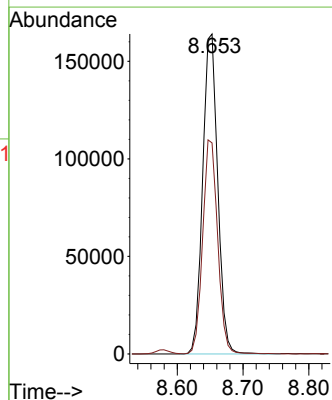
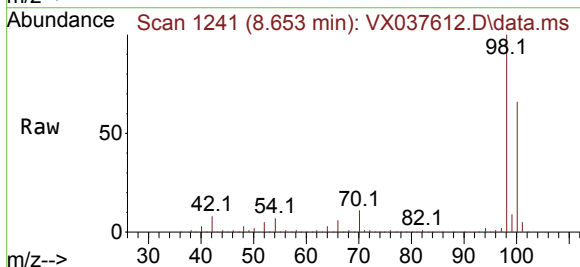
Acq: 08 Sep 2023 19:27

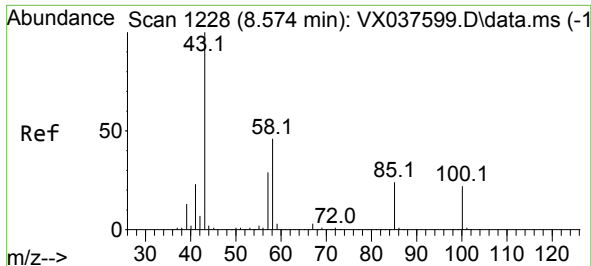
Tgt Ion: 98 Resp: 260711

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7

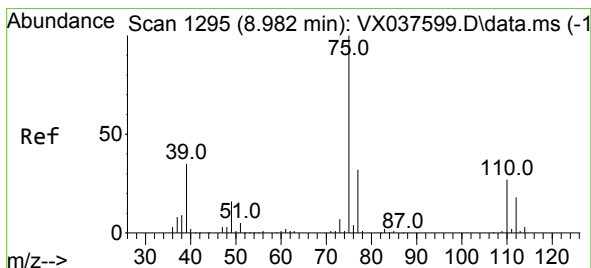
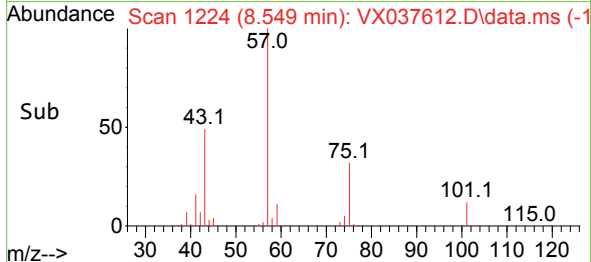
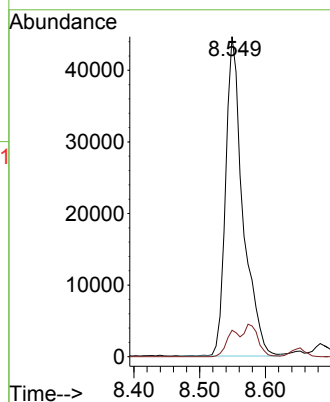
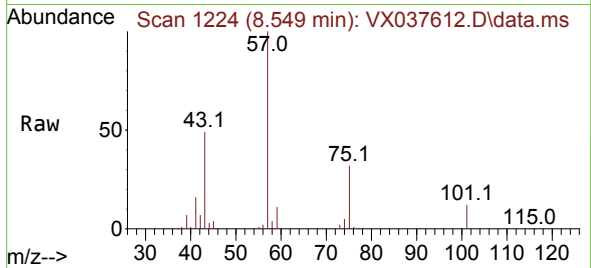




#51
4-Methyl-2-Pentanone
Concen: 41.020 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

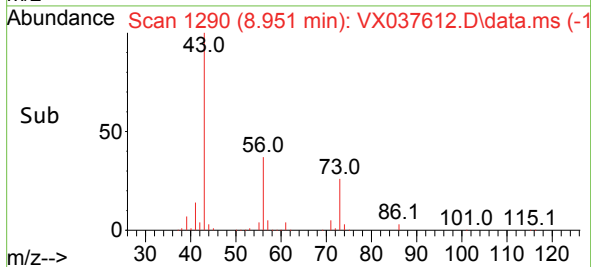
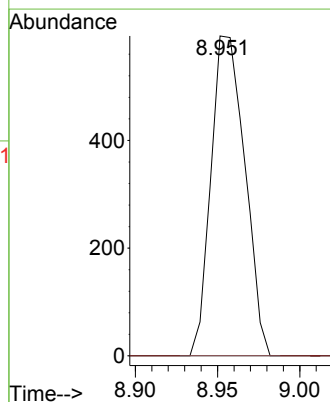
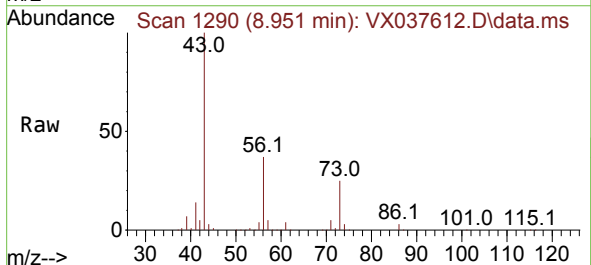
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

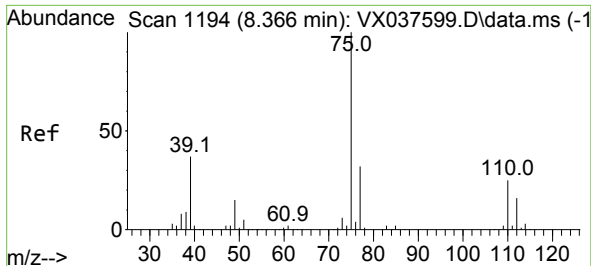
Tgt Ion: 43 Resp: 81799
Ion Ratio Lower Upper
43 100
58 6.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.389 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.031 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 75 Resp: 852
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

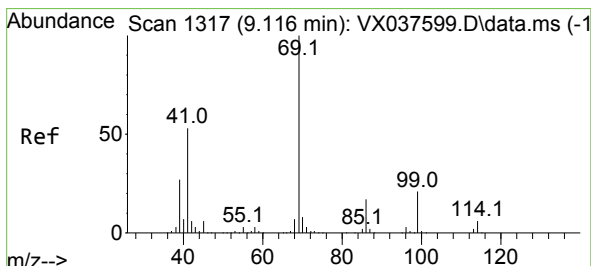
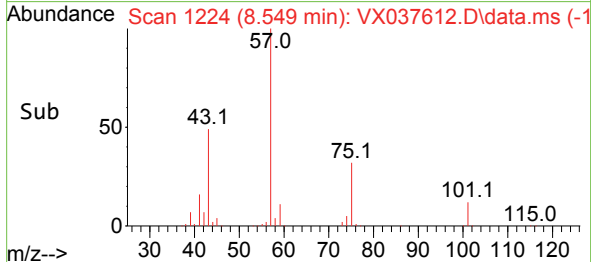
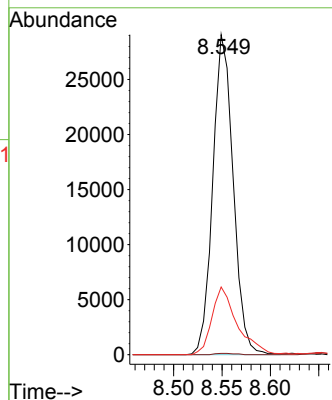
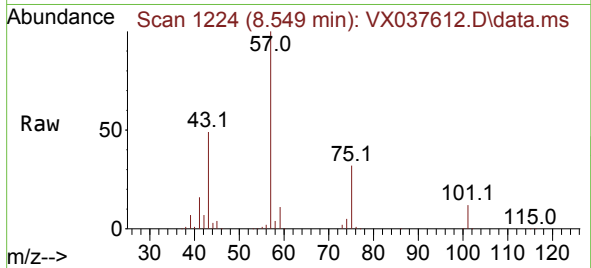




#54
cis-1,3-Dichloropropene
Concen: 17.517 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

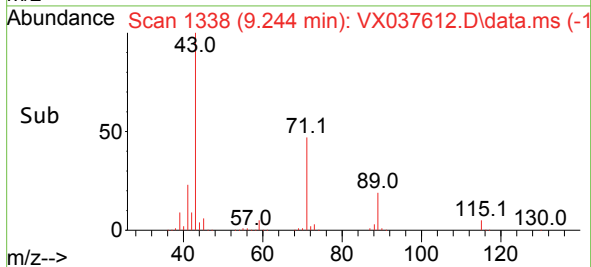
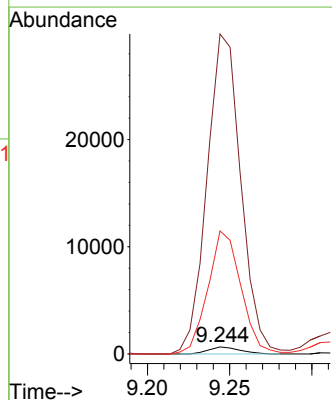
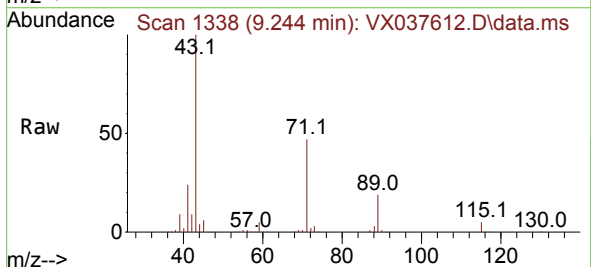
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

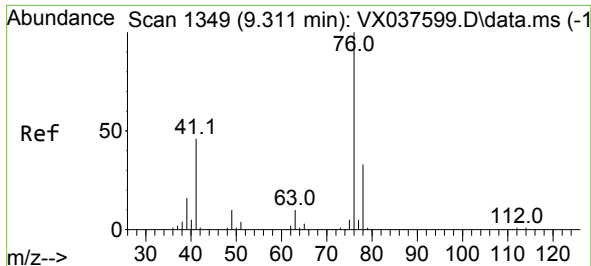
Tgt Ion: 75 Resp: 42698
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 21.1 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.351 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 69 Resp: 867
Ion Ratio Lower Upper
69 100
41 4943.8 56.8 85.2#
39 1857.4 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.930 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

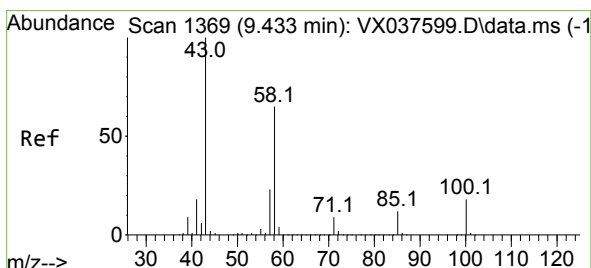
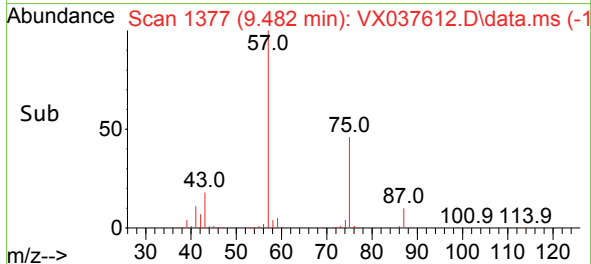
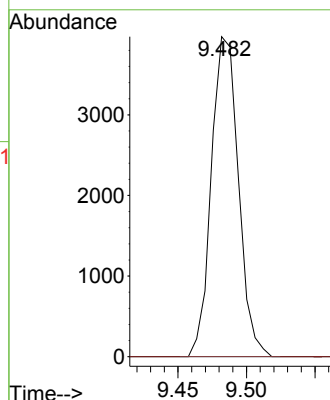
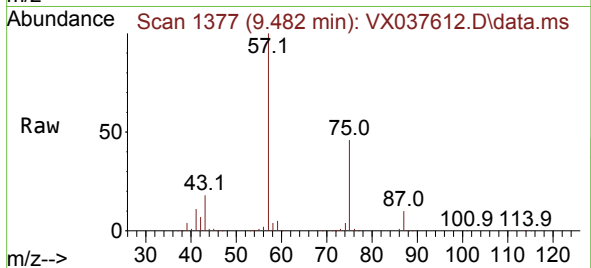
PB155394ZHE#04

Tgt Ion: 76 Resp: 5458

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.100 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX037612.D

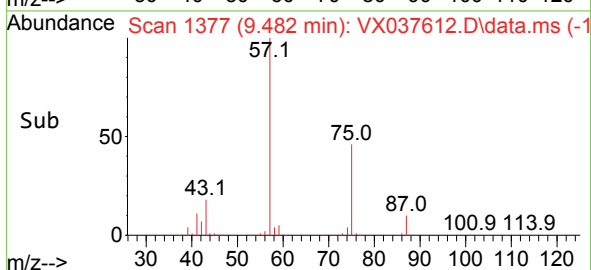
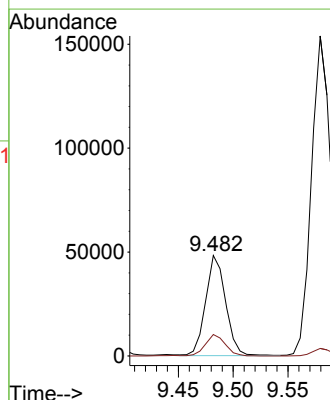
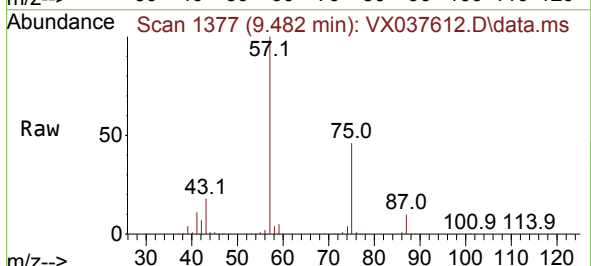
Acq: 08 Sep 2023 19:27

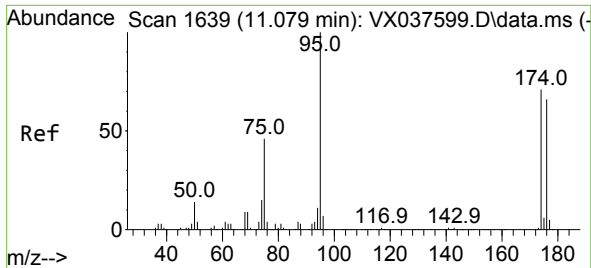
Tgt Ion: 43 Resp: 60989

Ion Ratio Lower Upper

43 100

58 21.8 26.2 78.5#

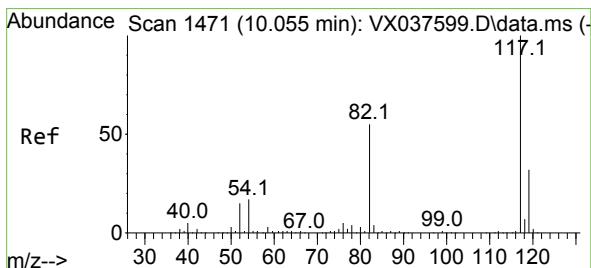
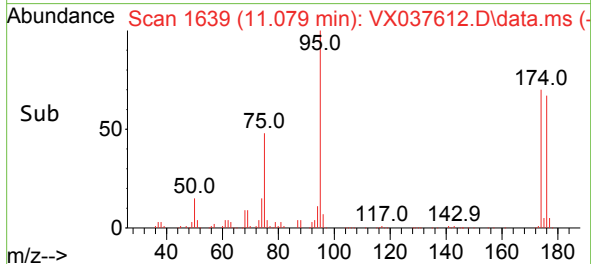
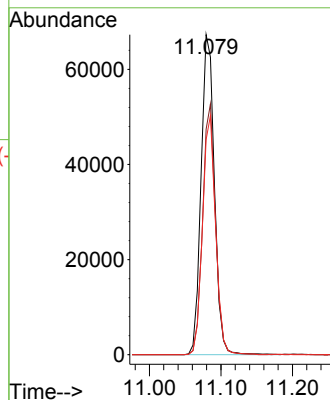
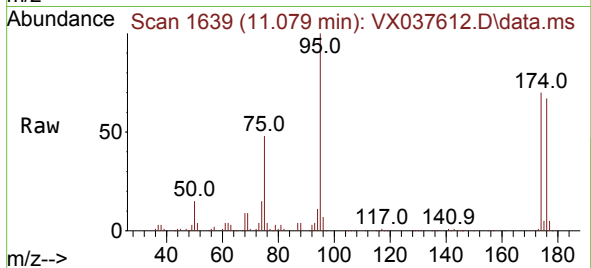




#62
4-Bromofluorobenzene
Concen: 40.744 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

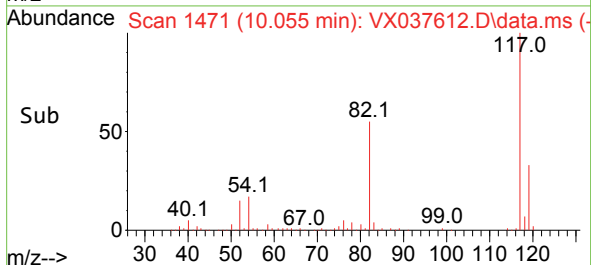
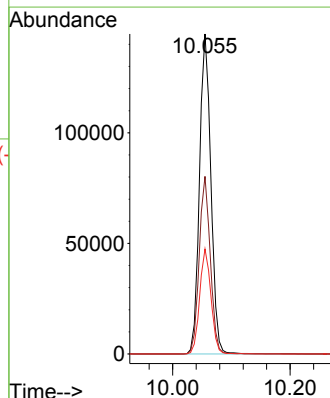
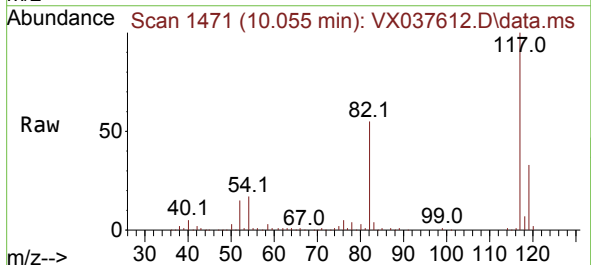
Instrument :
MSVOA_X
ClientSampleId :
PB155394ZHE#04

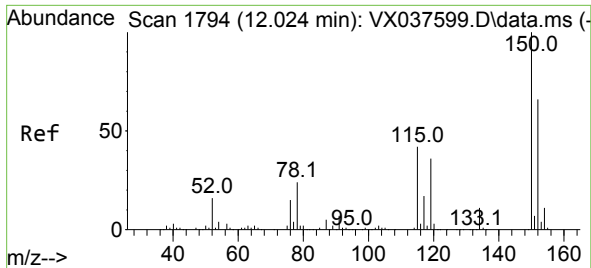
Tgt Ion: 95 Resp: 87044
Ion Ratio Lower Upper
95 100
174 75.6 0.0 135.6
176 73.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037612.D
Acq: 08 Sep 2023 19:27

Tgt Ion: 117 Resp: 194363
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.8 25.5 38.3

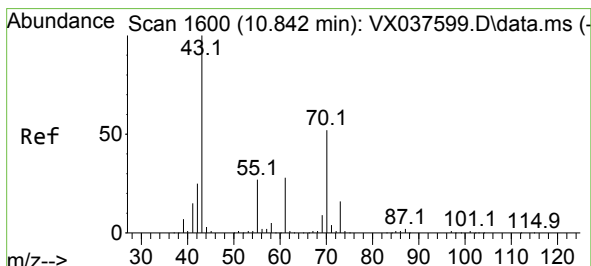
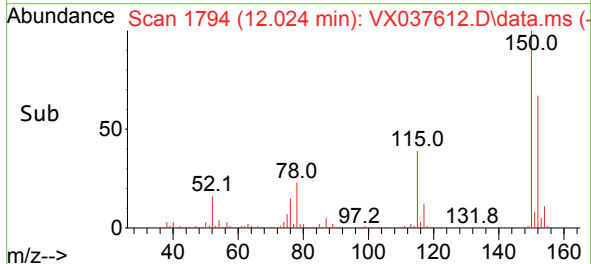
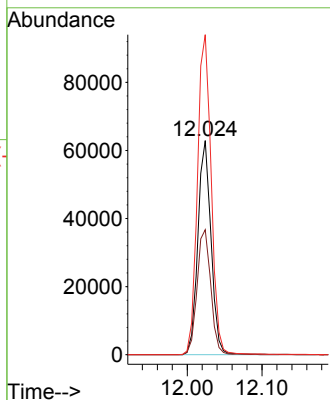
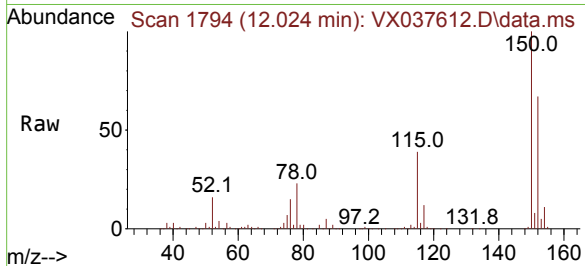




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX037612.D
 Acq: 08 Sep 2023 19:27

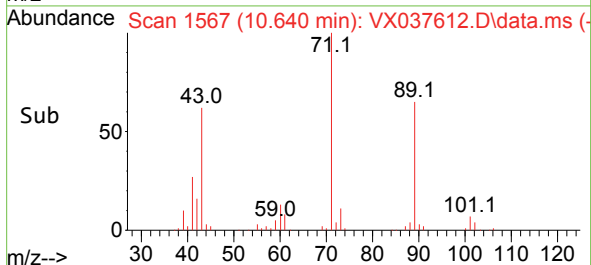
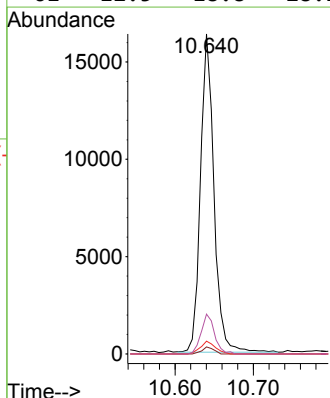
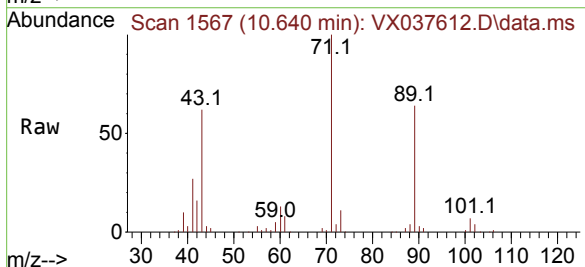
Instrument :
 MSVOA_X
 ClientSampleId :
 PB155394ZHE#04

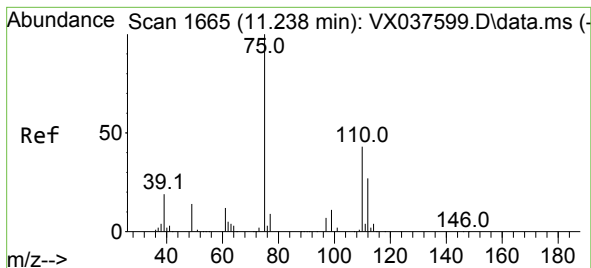
Tgt Ion:152 Resp: 76831
 Ion Ratio Lower Upper
 152 100
 115 60.9 43.3 129.9
 150 156.2 0.0 345.0



#74
 N-ethyl acetate
 Concen: 9.817 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX037612.D
 Acq: 08 Sep 2023 19:27

Tgt Ion: 43 Resp: 19529
 Ion Ratio Lower Upper
 43 100
 70 1.9 32.9 49.3#
 55 4.4 19.3 28.9#
 61 12.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.433 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

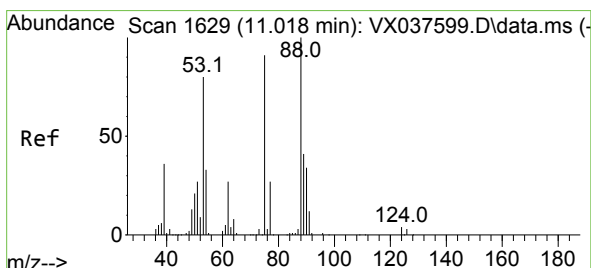
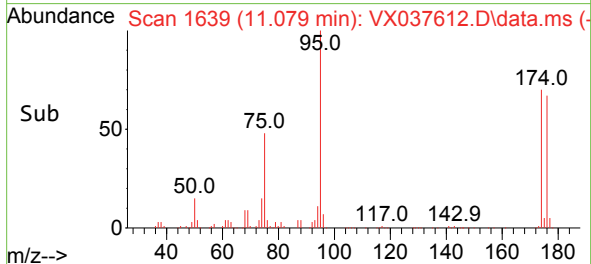
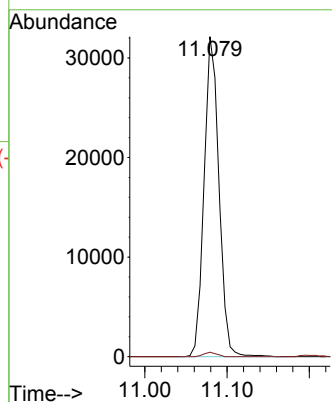
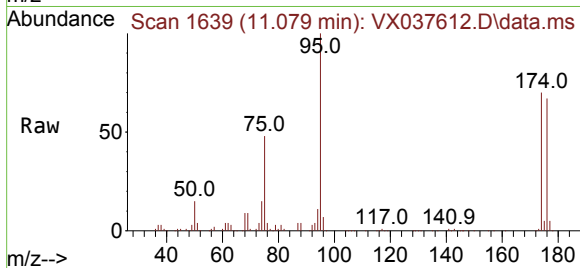
PB155394ZHE#04

Tgt Ion: 75 Resp: 40435

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.906 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037612.D

Acq: 08 Sep 2023 19:27

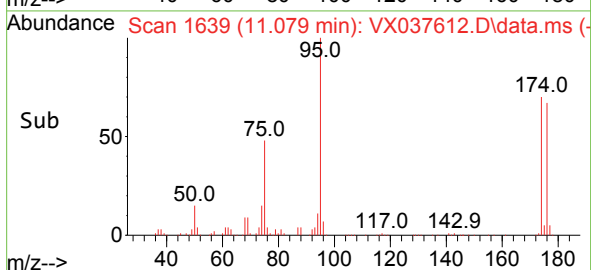
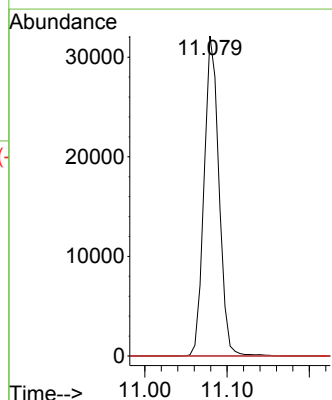
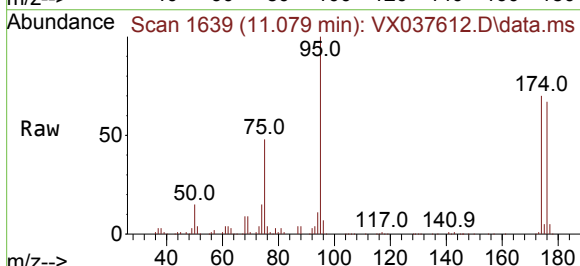
Tgt Ion: 75 Resp: 40435

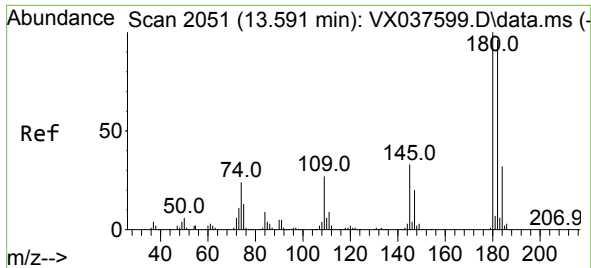
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.256 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037612.D

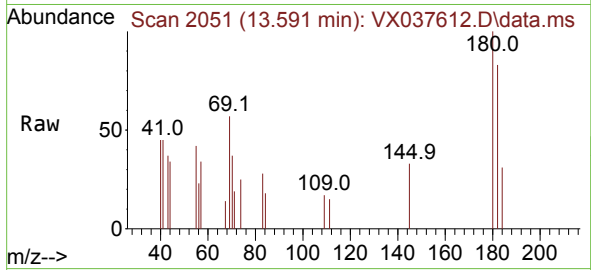
Acq: 08 Sep 2023 19:27

Instrument :

MSVOA_X

ClientSampleId :

PB155394ZHE#04



Tgt Ion:180 Resp: 419

Ion Ratio Lower Upper

180 100

182 88.1 48.3 144.8

145 27.7 18.0 54.0

