

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091523\
 Data File : VX037757.D
 Acq On : 15 Sep 2023 16:04
 Operator : JC/MD
 Sample : 04390-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-EB-20230908

Quant Time: Sep 16 05:46:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

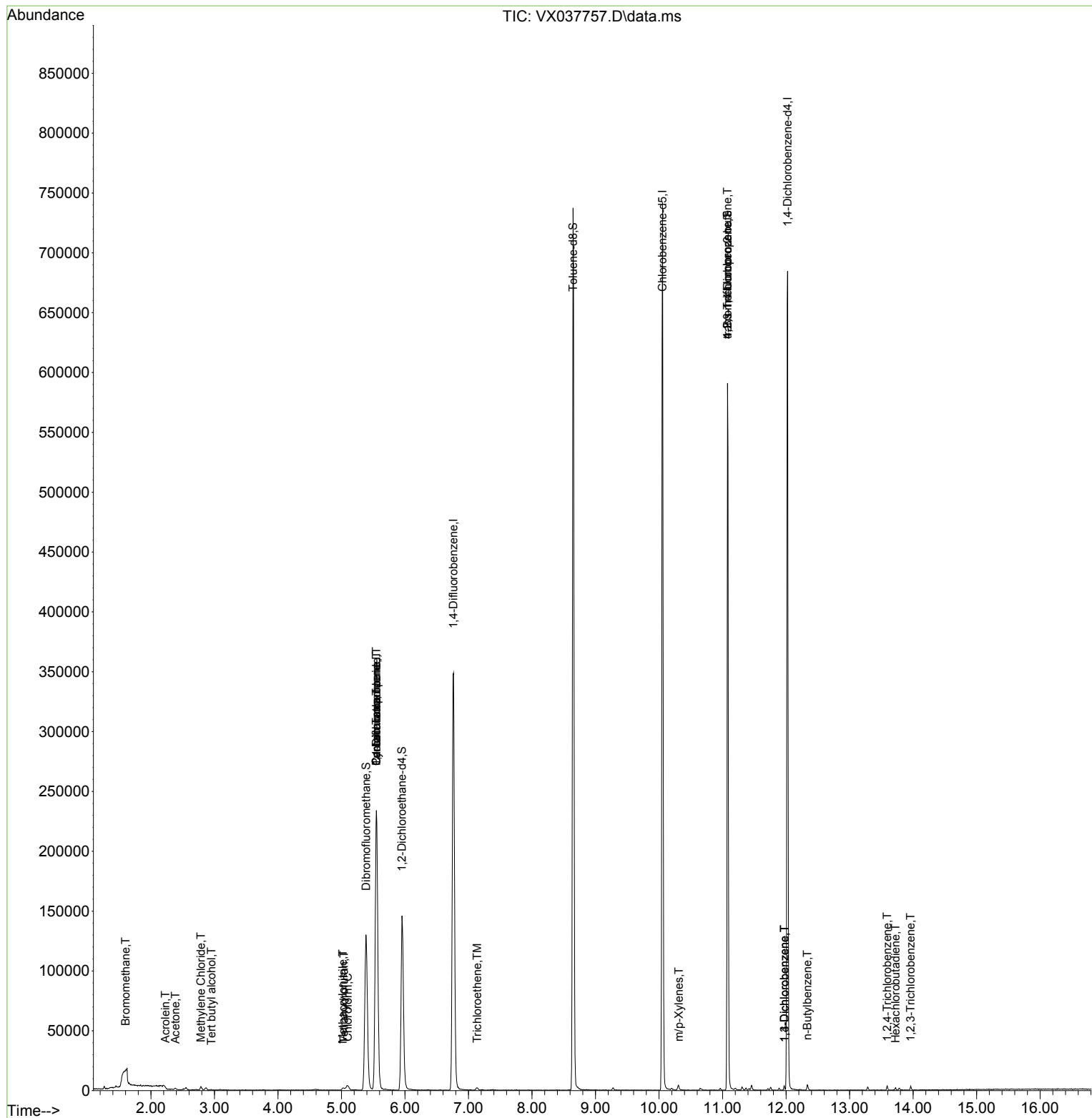
Internal Standards						
1) Pentafluorobenzene	5.550	168	230075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	375424	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	339041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	136299	45.090	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.180%		
35) Dibromofluoromethane	5.385	113	113287	45.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.200%		
50) Toluene-d8	8.647	98	446627	47.852	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.700%		
62) 4-Bromofluorobenzene	11.079	95	154070	45.426	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.860%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	580	0.285	ug/l #	71
11) Tert butyl alcohol	2.953	59	309	0.476	ug/l #	78
13) Acrolein	2.227	56	279	0.435	ug/l	87
16) Acetone	2.386	43	1399	0.962	ug/l	96
20) Methylene Chloride	2.788	84	1345	0.475	ug/l	89
29) Tetrahydrofuran	5.038	42	1802	1.412	ug/l #	85
30) Chloroform	5.098	83	4343	0.864	ug/l #	83
31) Cyclohexane	5.550	56	4630	1.193	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17174	4.963	ug/l #	52
38) Carbon Tetrachloride	5.550	117	22856	6.313	ug/l #	15
41) Methacrylonitrile	5.019	41	949	0.489	ug/l #	51
44) Trichloroethene	7.135	130	847	0.286	ug/l	91
68) m/p-Xylenes	10.311	106	1007	0.206	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	78973	23.271	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	78973	74.545	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	1170	0.236	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	1170	0.230	ug/l	98
89) n-Butylbenzene	12.335	91	1807	0.222	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	1203	0.403	ug/l	90
94) Hexachlorobutadiene	13.725	225	347	0.249	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	806	0.262	ug/l	90

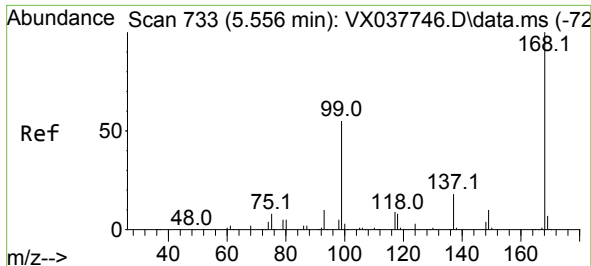
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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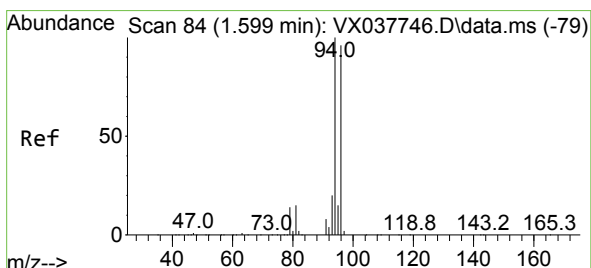
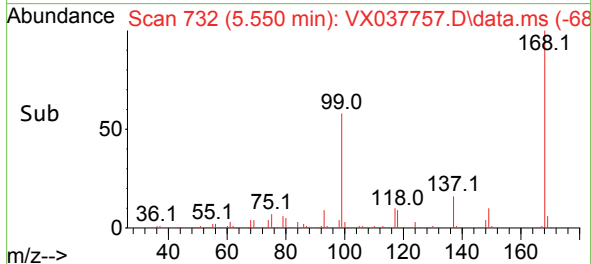
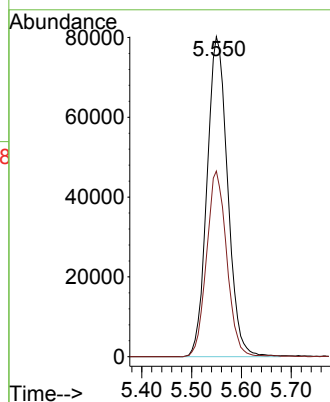
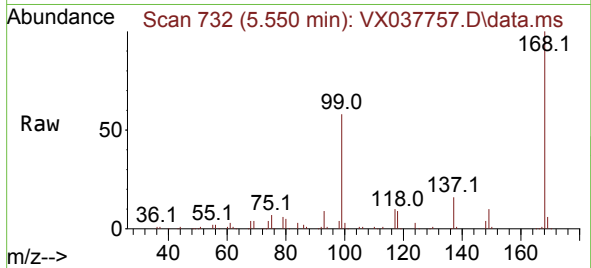




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037757.D
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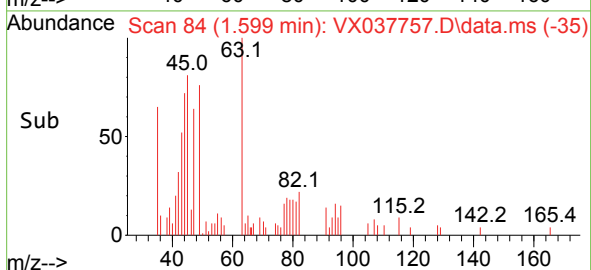
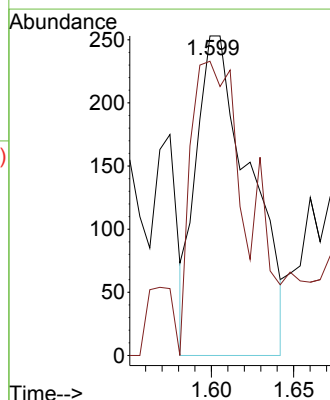
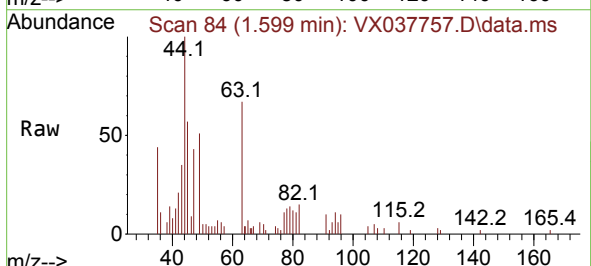
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230908

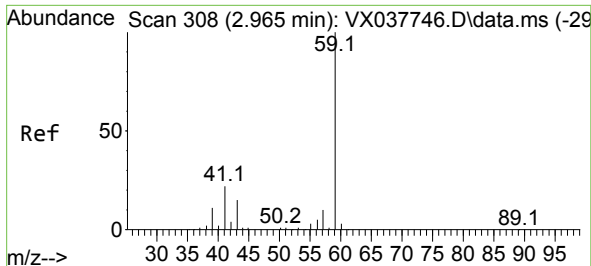
Tgt Ion:168 Resp: 230075
Ion Ratio Lower Upper
168 100
99 58.0 56.6 85.0



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 94 Resp: 580
Ion Ratio Lower Upper
94 100
96 120.7 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.476 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX037757.D

Acq: 15 Sep 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

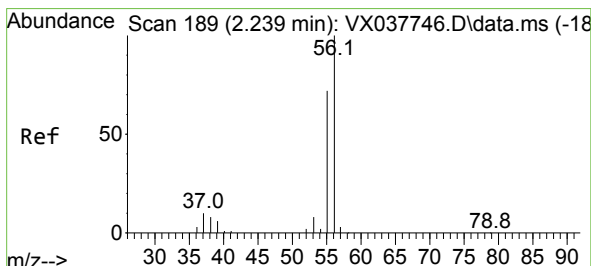
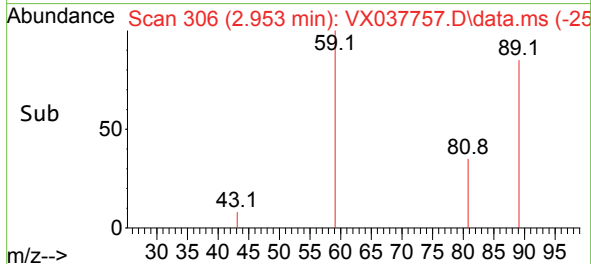
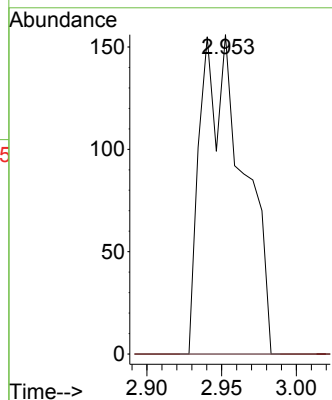
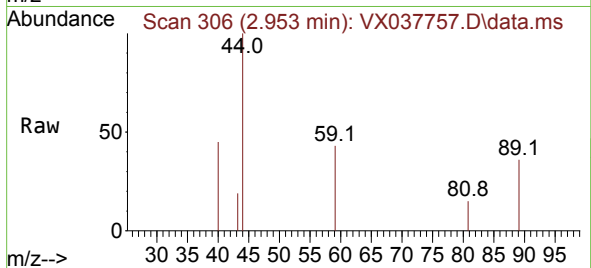
BP-VPB-RW10A-EB-20230908

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.435 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX037757.D

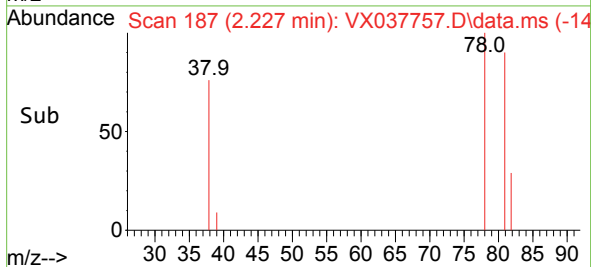
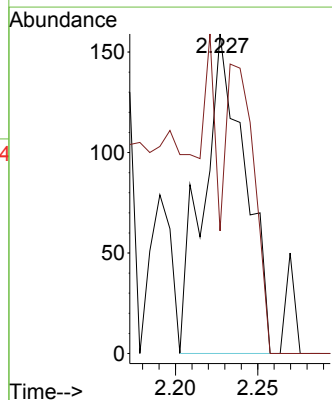
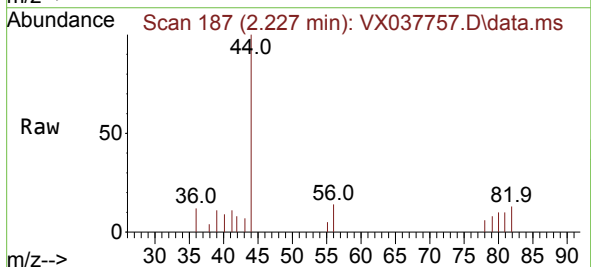
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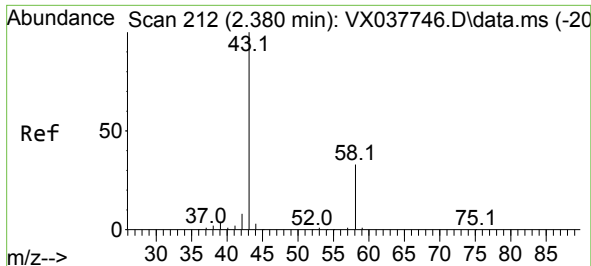
Tgt Ion: 56 Resp: 279

Ion Ratio Lower Upper

56 100

55 60.6 57.1 85.7

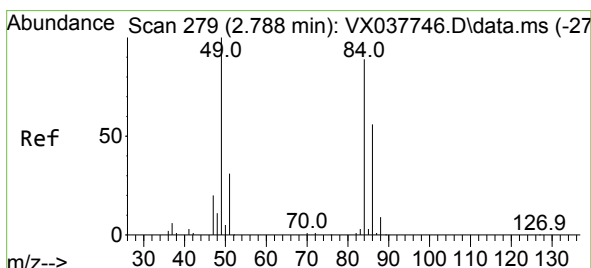
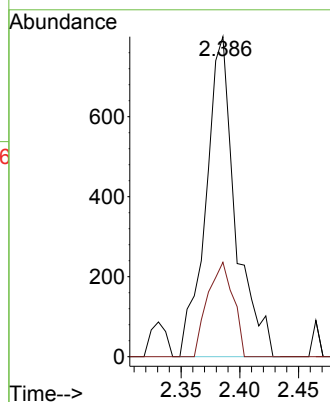
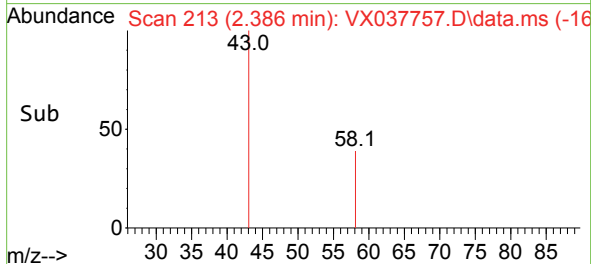
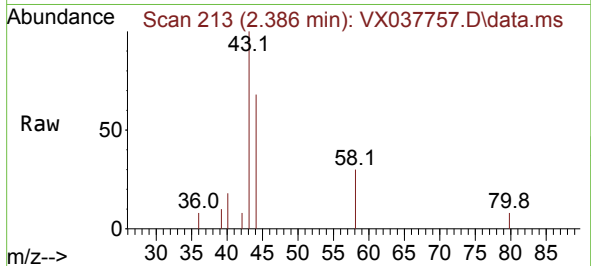




#16
Acetone
Concen: 0.962 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

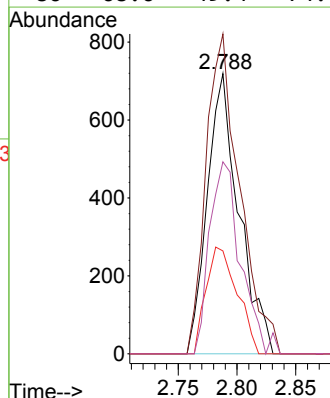
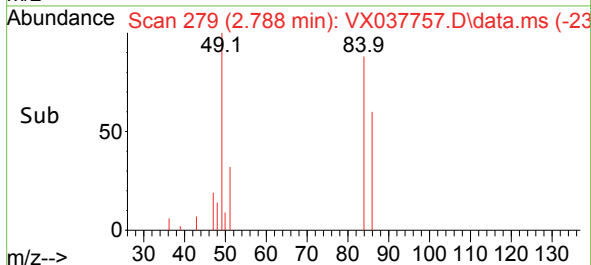
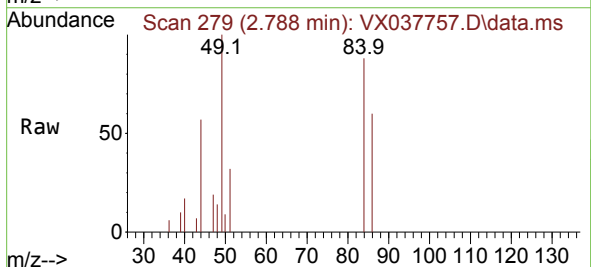
Instrument :
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ClientSampleId :
BP-VPB-RW10A-EB-20230908

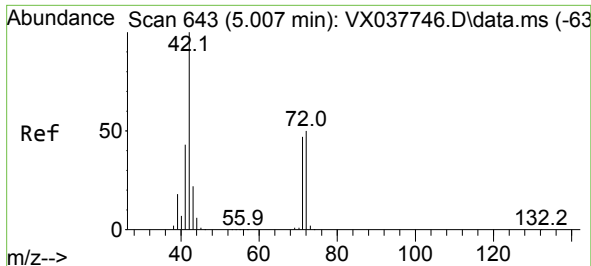
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9



#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 84 Resp: 1345
Ion Ratio Lower Upper
84 100
49 114.2 103.6 155.4
51 36.7 33.8 50.6
86 68.6 49.4 74.0





#29

Tetrahydrofuran

Concen: 1.412 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037757.D

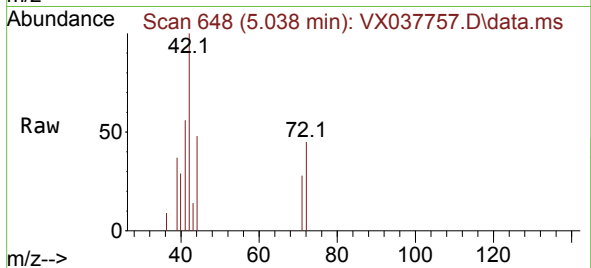
Acq: 15 Sep 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-EB-20230908



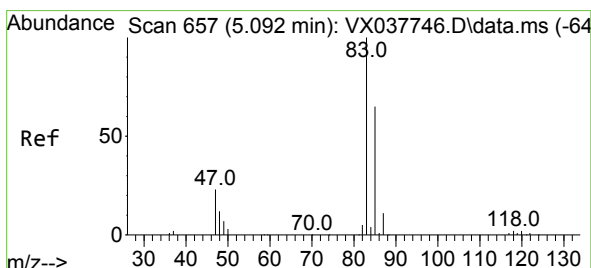
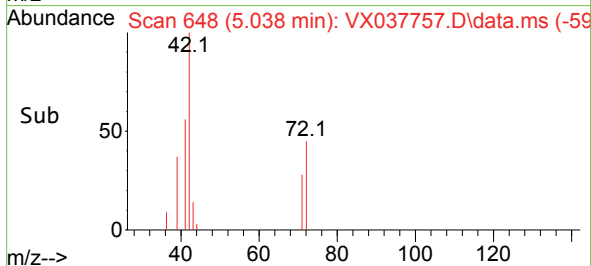
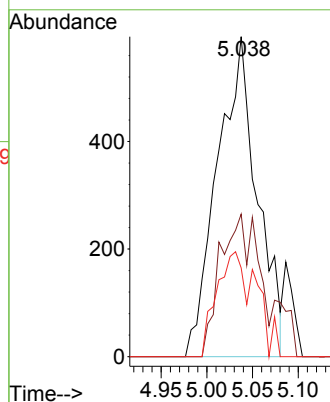
Tgt Ion: 42 Resp: 1802

Ion Ratio Lower Upper

42 100

72 41.8 34.2 51.4

71 22.5 32.2 48.2#



#30

Chloroform

Concen: 0.864 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037757.D

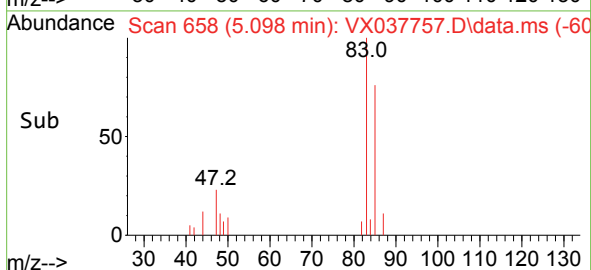
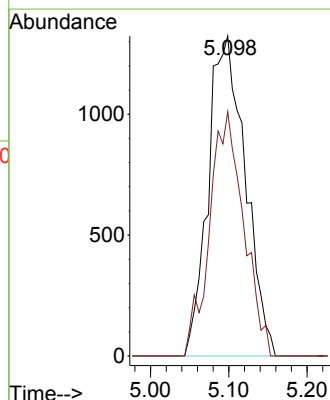
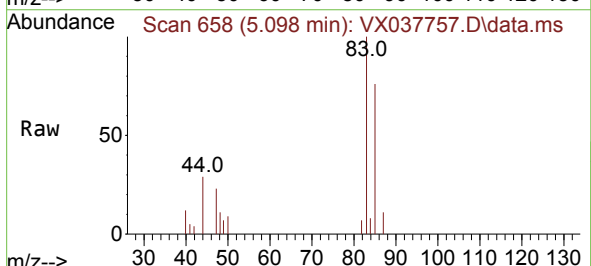
Acq: 15 Sep 2023 16:04

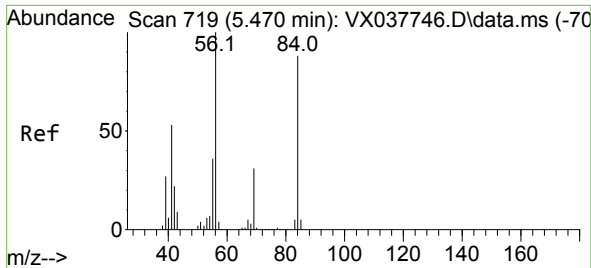
Tgt Ion: 83 Resp: 4343

Ion Ratio Lower Upper

83 100

85 76.3 50.3 75.5#

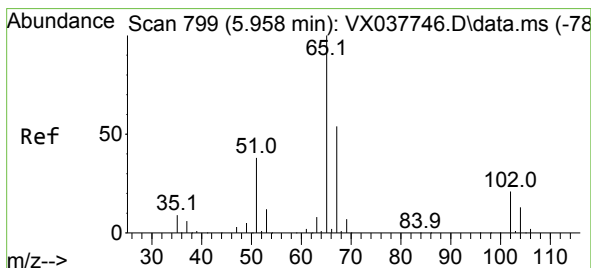
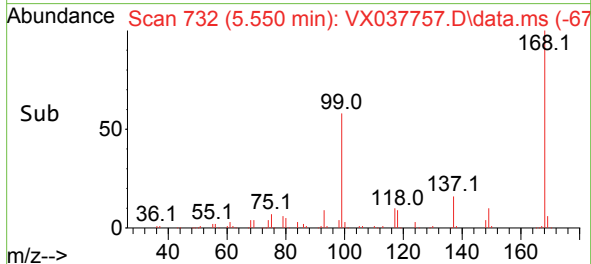
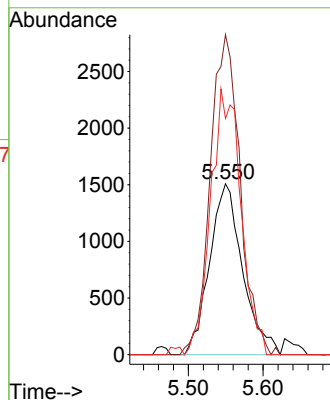
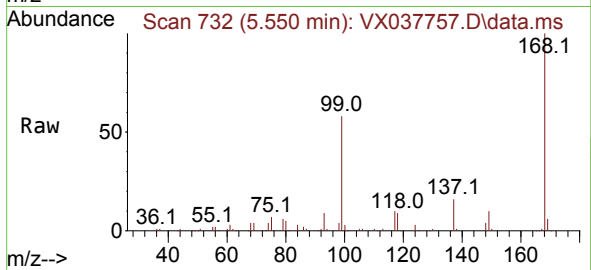




#31
Cyclohexane
Concen: 1.193 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

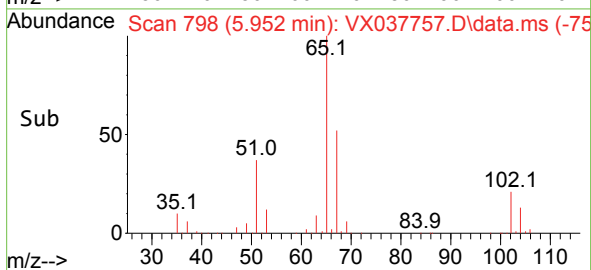
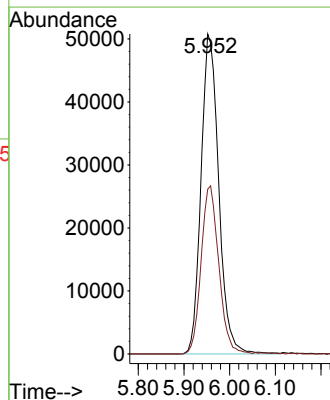
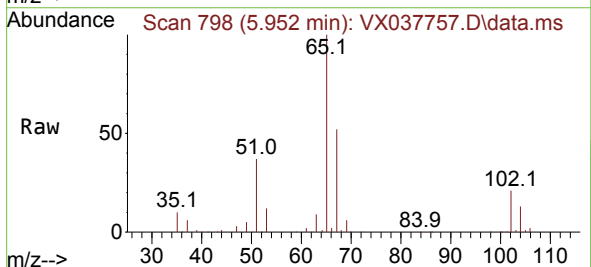
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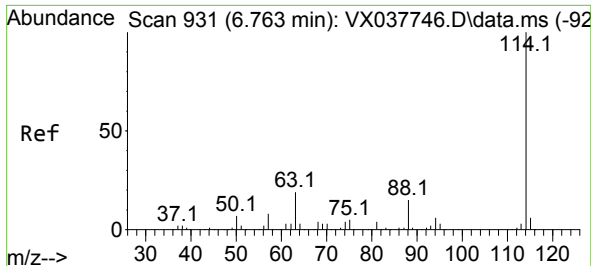
Tgt Ion: 56 Resp: 4630
Ion Ratio Lower Upper
56 100
69 187.3 23.4 35.2#
84 138.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.090 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 65 Resp: 136299
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

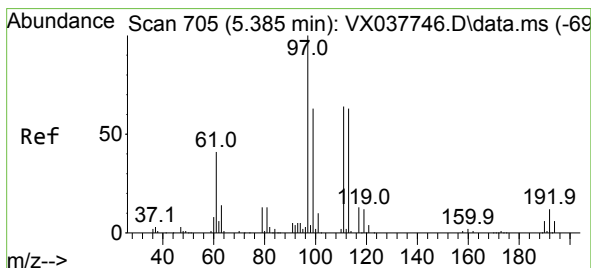
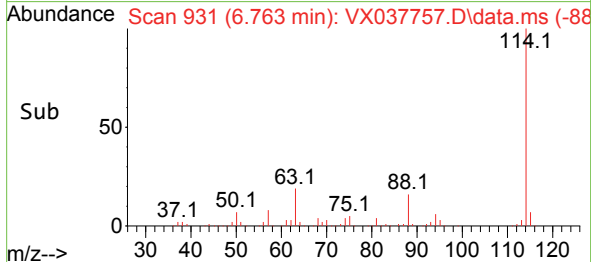
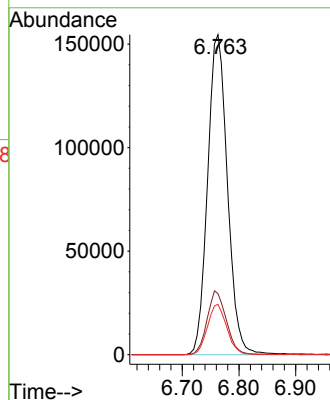
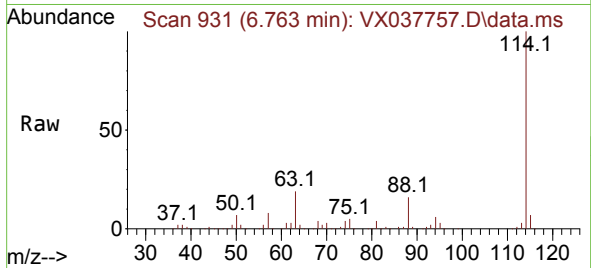




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

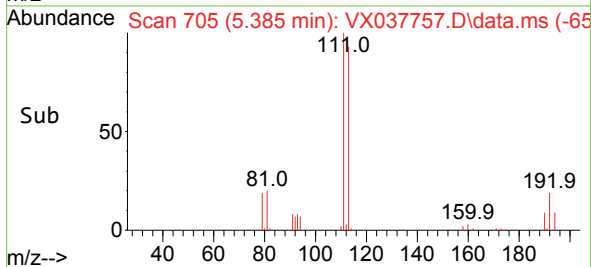
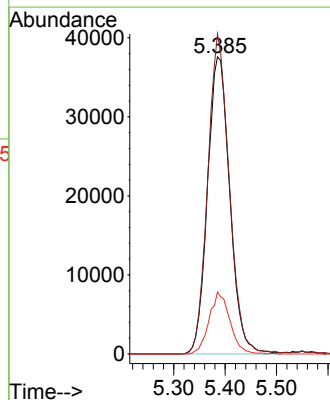
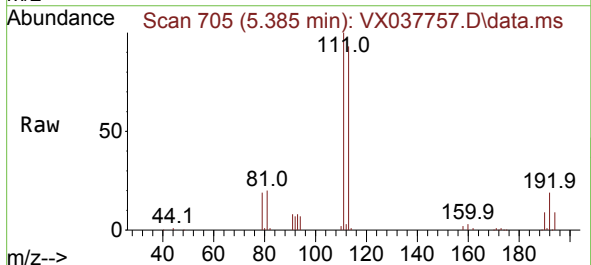
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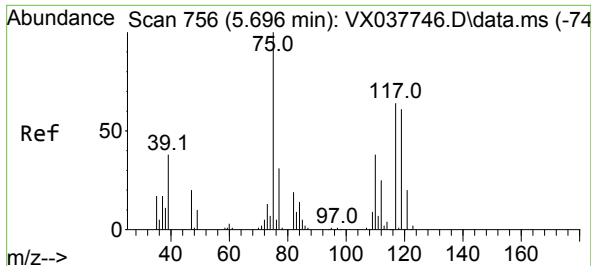
Tgt Ion:114 Resp: 375424
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.099 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion:113 Resp: 113287
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 19.4 13.3 19.9

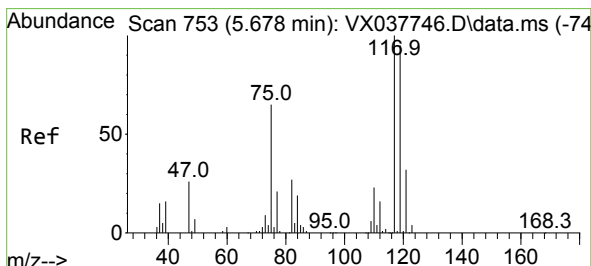
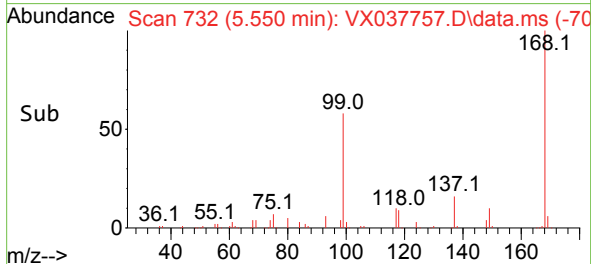
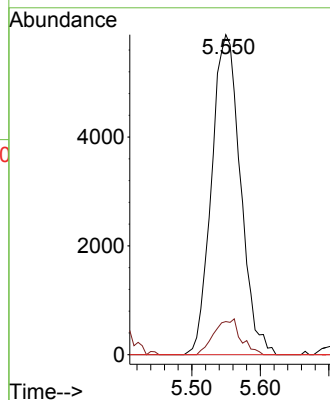
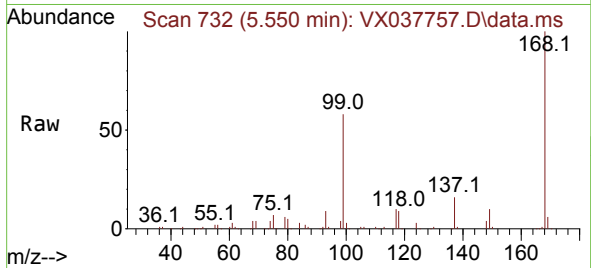




#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

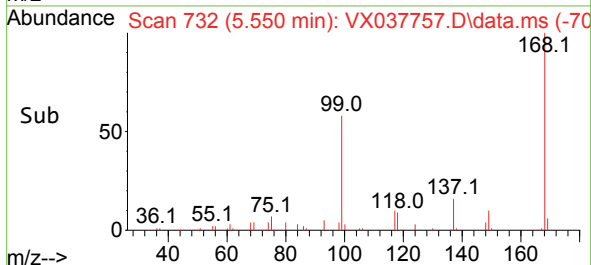
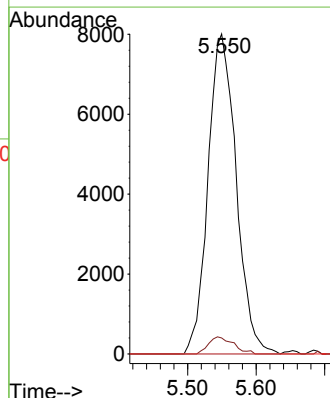
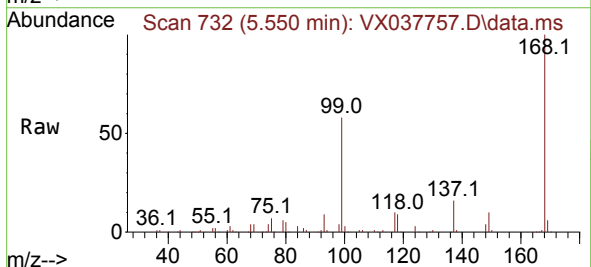
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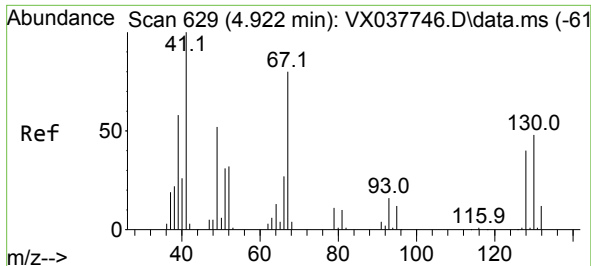
Tgt Ion: 75 Resp: 17174
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 117 Resp: 22856
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#





#41

Methacrylonitrile

Concen: 0.489 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.073 min

Lab File: VX037757.D

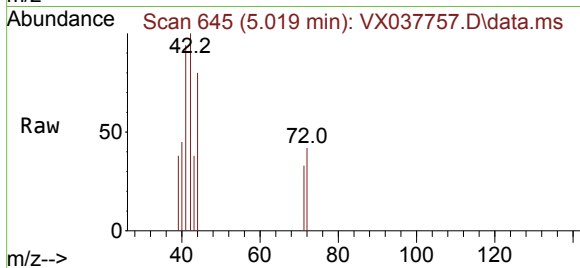
Acq: 15 Sep 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-EB-20230908



Tgt Ion: 41 Resp: 949

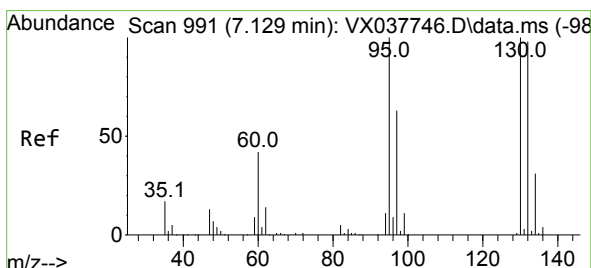
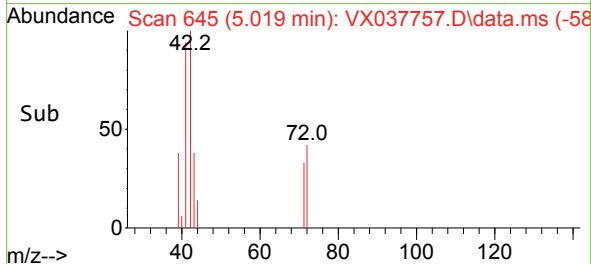
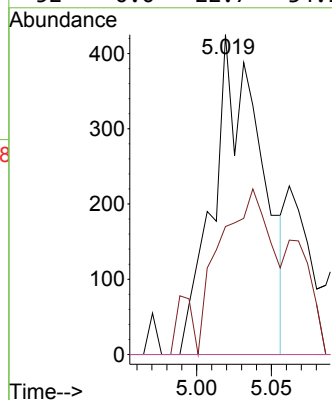
Ion Ratio Lower Upper

41 100

39 61.7 45.2 67.8

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#



#44

Trichloroethene

Concen: 0.286 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX037757.D

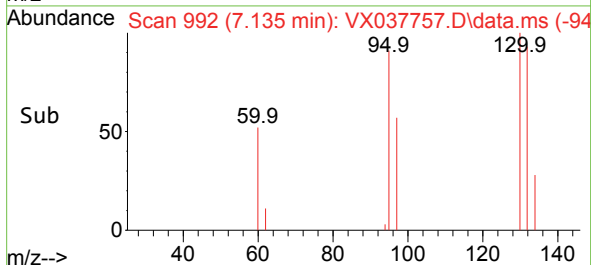
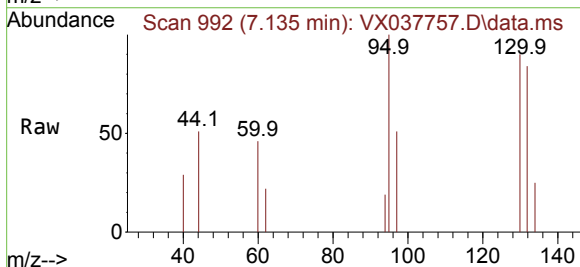
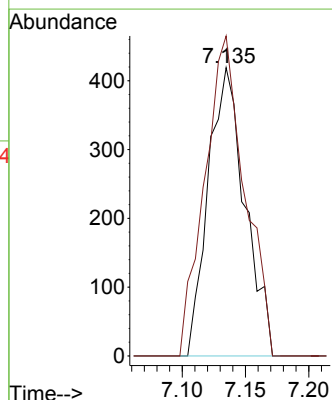
Acq: 15 Sep 2023 16:04

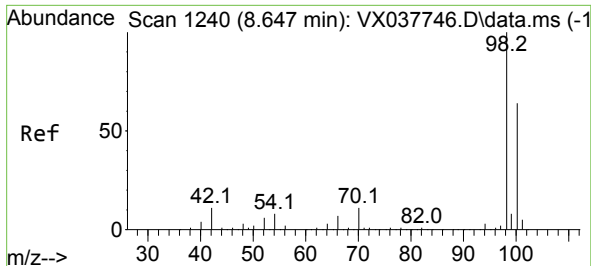
Tgt Ion: 130 Resp: 847

Ion Ratio Lower Upper

130 100

95 111.0 0.0 204.4

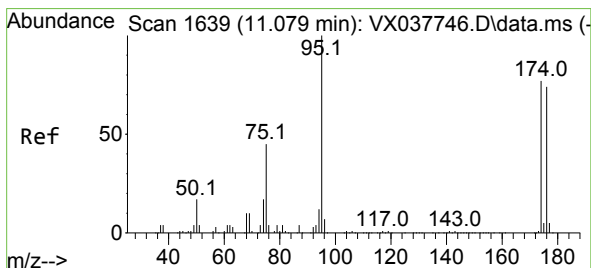
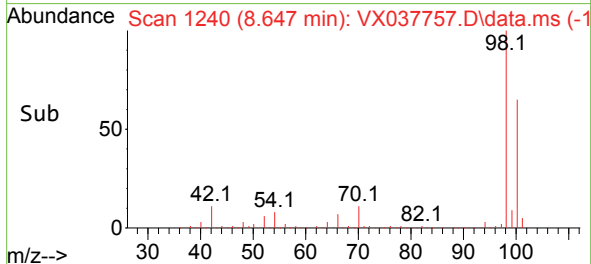
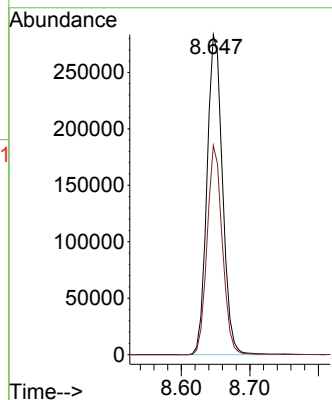
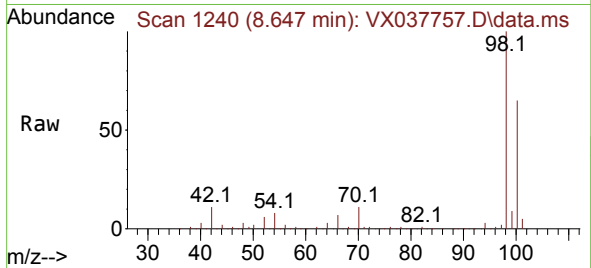




#50
Toluene-d8
Concen: 47.852 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

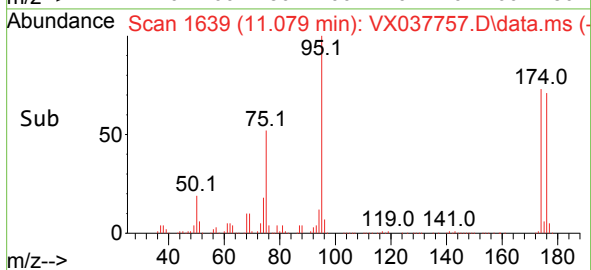
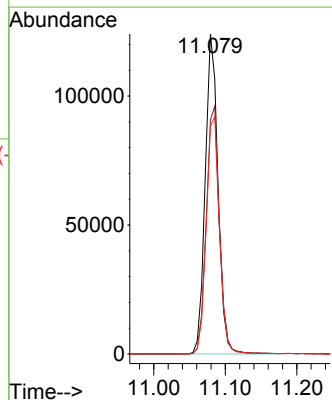
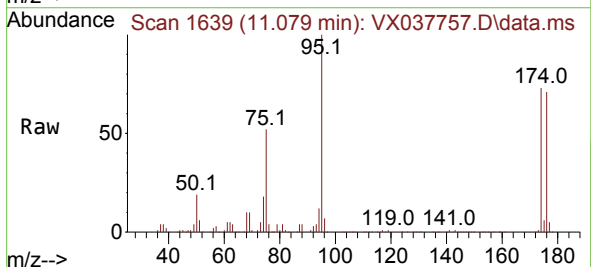
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230908

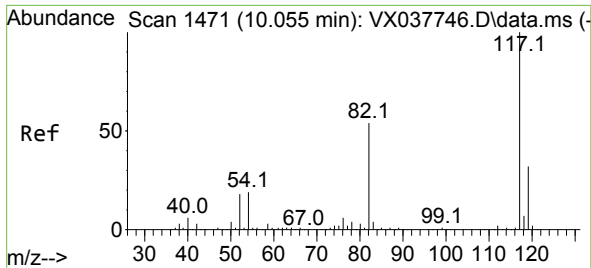
Tgt Ion: 98 Resp: 446627
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 95 Resp: 154070
Ion Ratio Lower Upper
95 100
174 80.9 0.0 135.6
176 76.5 0.0 131.0

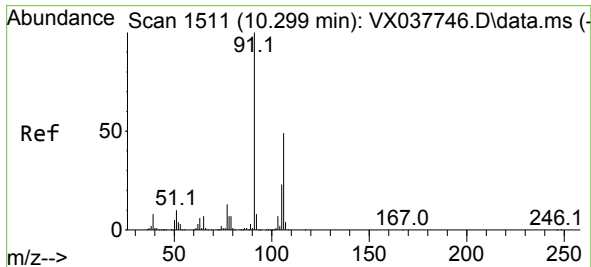
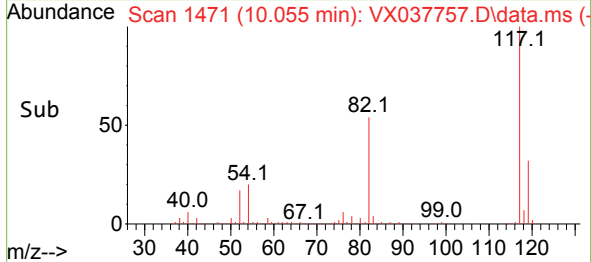
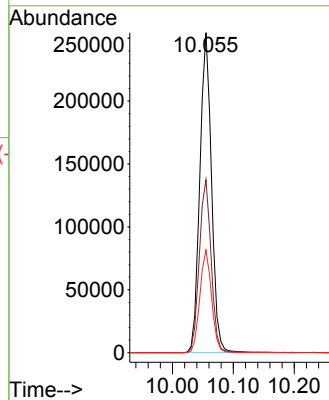
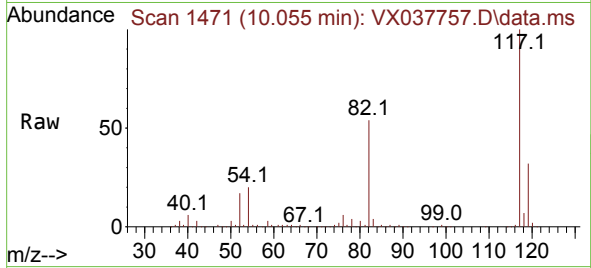




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

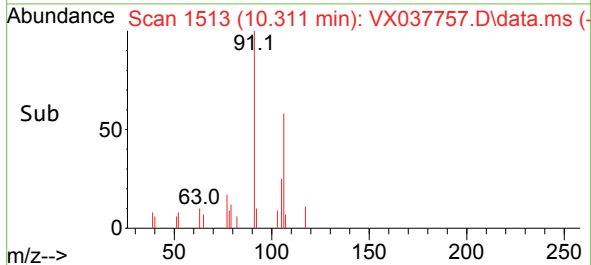
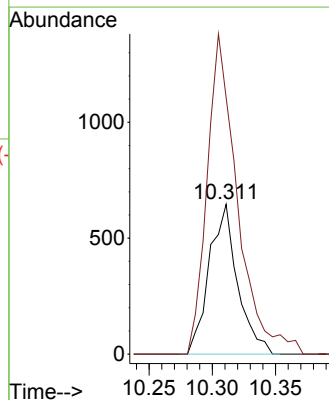
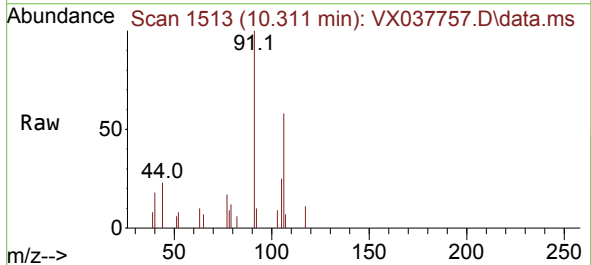
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230908

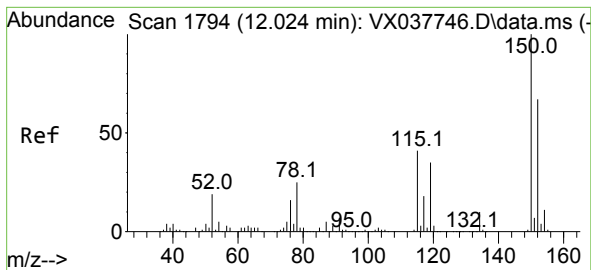
Tgt Ion:117 Resp: 339041
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion:106 Resp: 1007
Ion Ratio Lower Upper
106 100
91 228.9 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037757.D

Acq: 15 Sep 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-EB-20230908

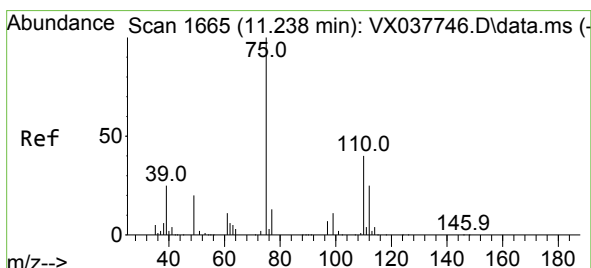
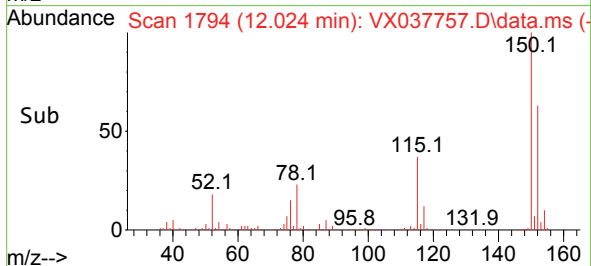
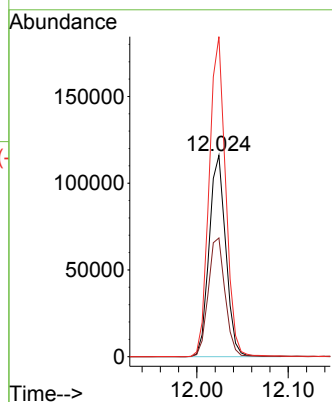
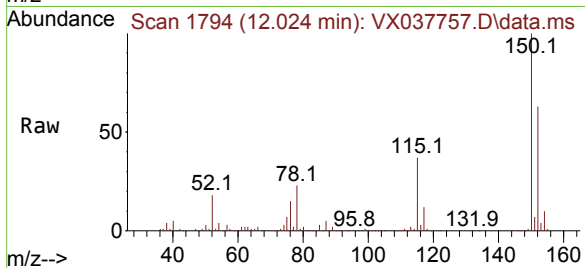
Tgt Ion:152 Resp: 146727

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.271 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037757.D

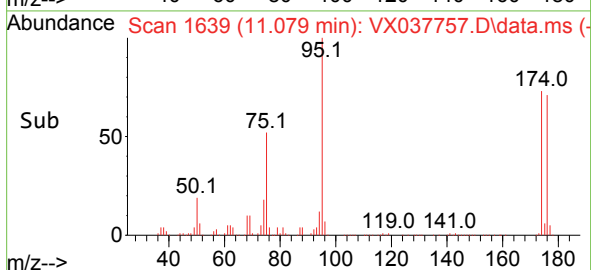
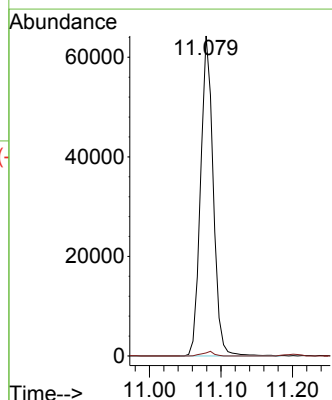
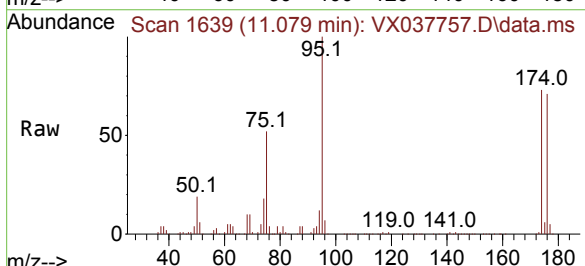
Acq: 15 Sep 2023 16:04

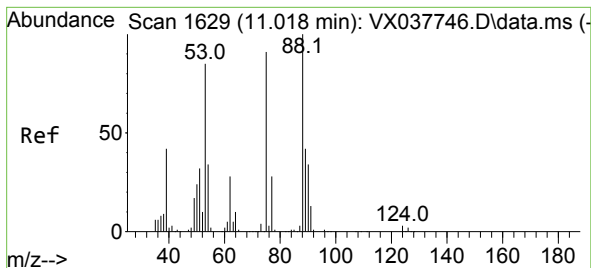
Tgt Ion: 75 Resp: 78973

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

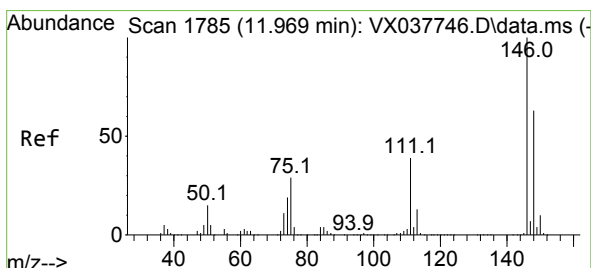
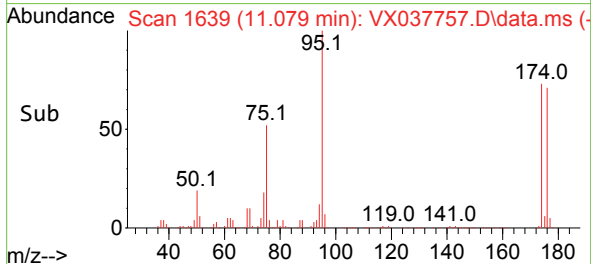
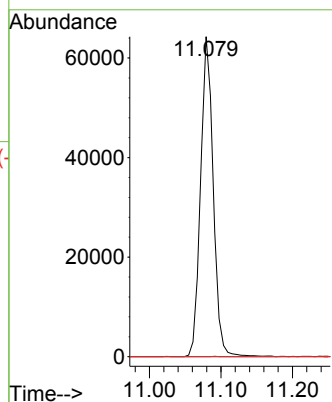
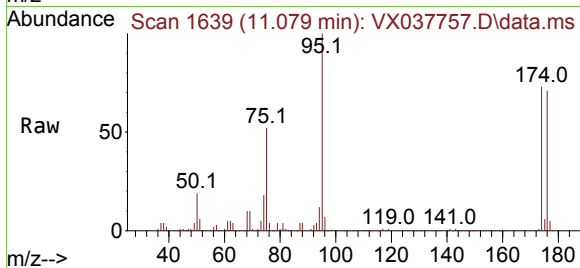




#81
trans-1,4-Dichloro-2-butene
Concen: 74.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

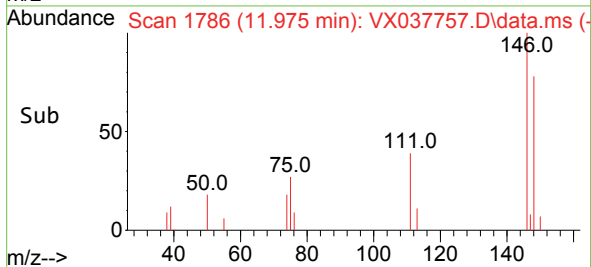
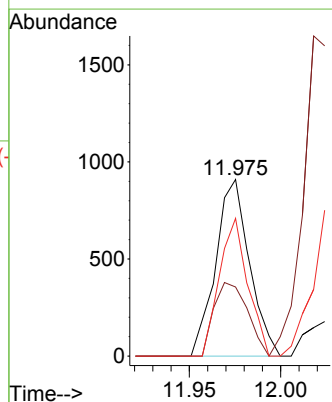
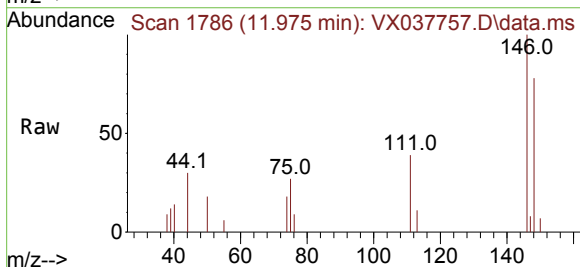
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230908

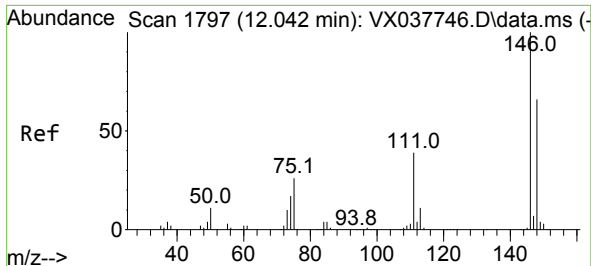
Tgt Ion: 75 Resp: 78973
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.236 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion:146 Resp: 1170
Ion Ratio Lower Upper
146 100
111 41.5 22.1 66.1
148 65.6 31.8 95.3

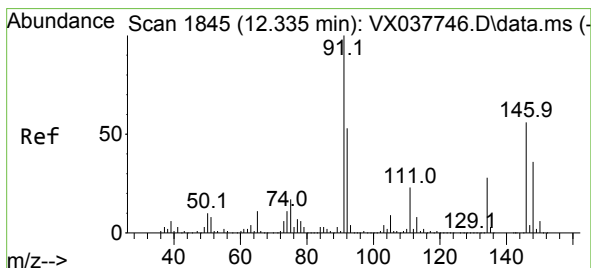
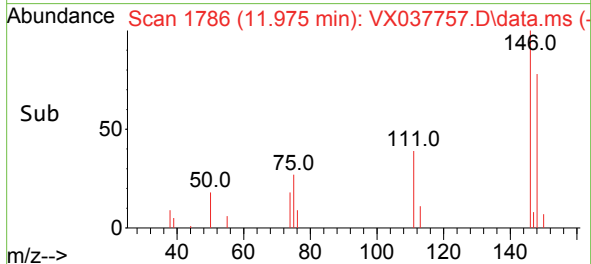
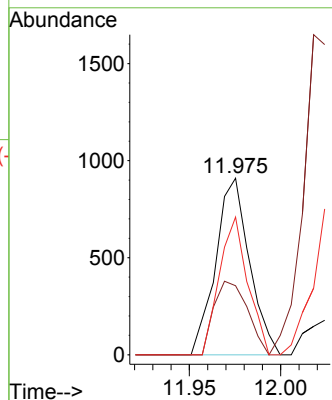
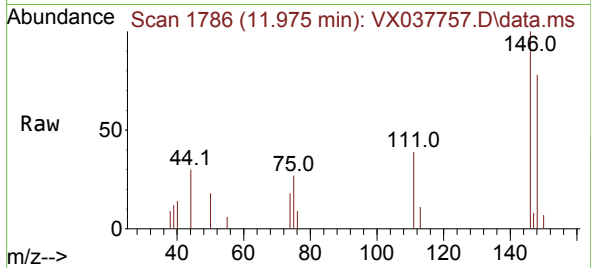




#88
1,4-Dichlorobenzene
Concen: 0.230 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

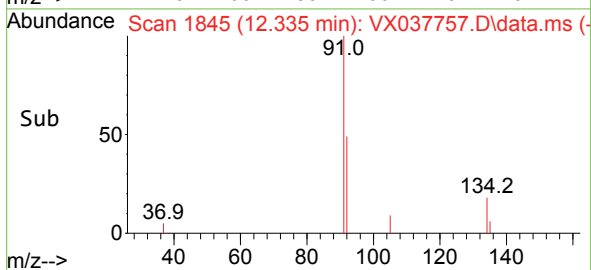
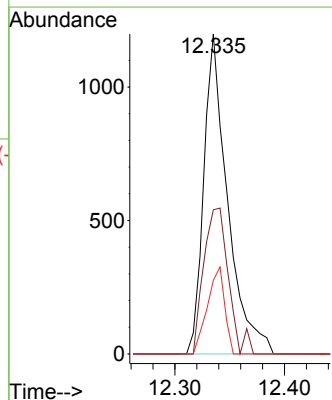
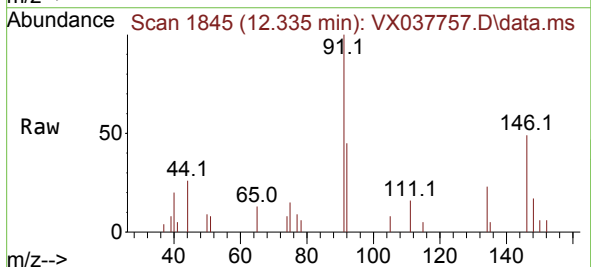
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230908

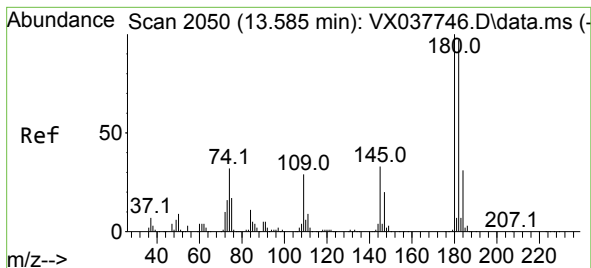
Tgt Ion:146 Resp: 1170
Ion Ratio Lower Upper
146 100
111 41.5 21.3 63.7
148 65.6 31.8 95.4



#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037757.D
Acq: 15 Sep 2023 16:04

Tgt Ion: 91 Resp: 1807
Ion Ratio Lower Upper
91 100
92 47.2 27.4 82.0
134 19.6 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.403 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037757.D

Acq: 15 Sep 2023 16:04

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-EB-20230908

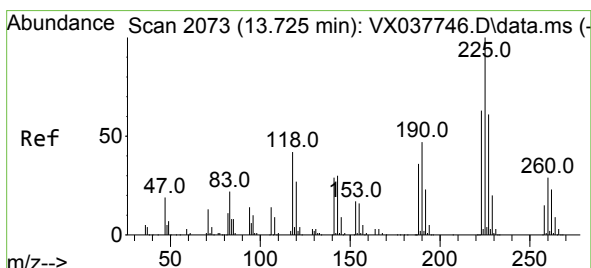
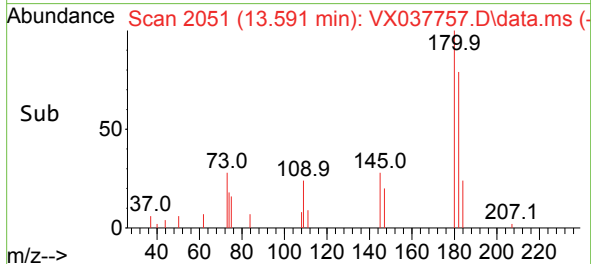
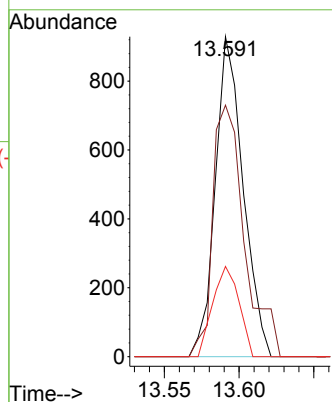
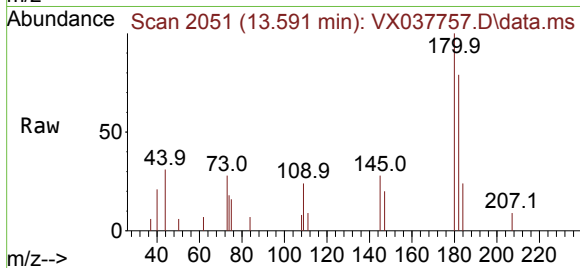
Tgt Ion:180 Resp: 1203

Ion Ratio Lower Upper

180 100

182 89.3 48.3 144.8

145 26.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.249 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037757.D

Acq: 15 Sep 2023 16:04

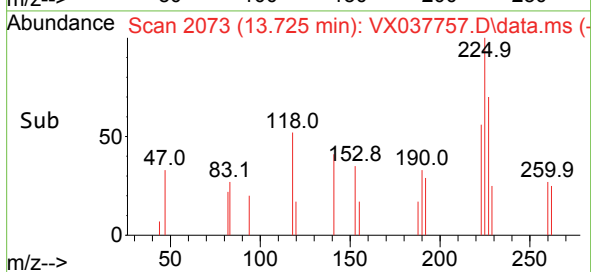
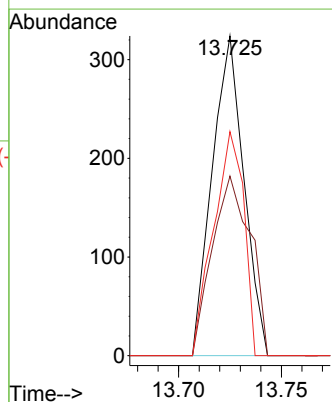
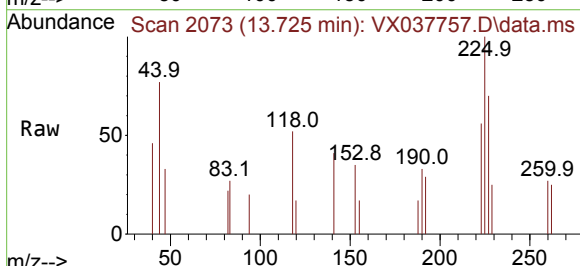
Tgt Ion:225 Resp: 347

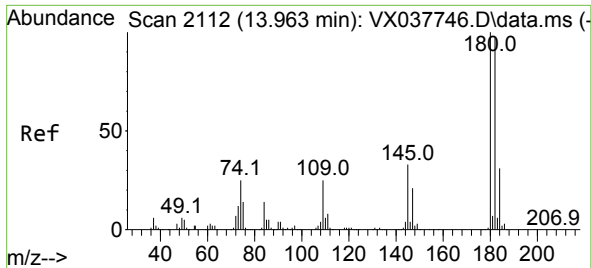
Ion Ratio Lower Upper

225 100

223 68.0 31.1 93.2

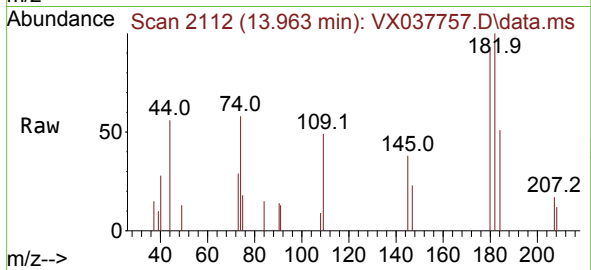
227 67.1 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX037757.D
 Acq: 15 Sep 2023 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-EB-20230908



Tgt Ion:	180	Resp:	806
Ion	Ratio	Lower	Upper
180	100		
182	106.7	46.9	140.6
145	34.5	17.8	53.5

