

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079802.D
 Acq On : 02 Nov 2023 17:10
 Operator : JC\MD
 Sample : 05224-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-DUP-20231030

Quant Time: Nov 03 04:03:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

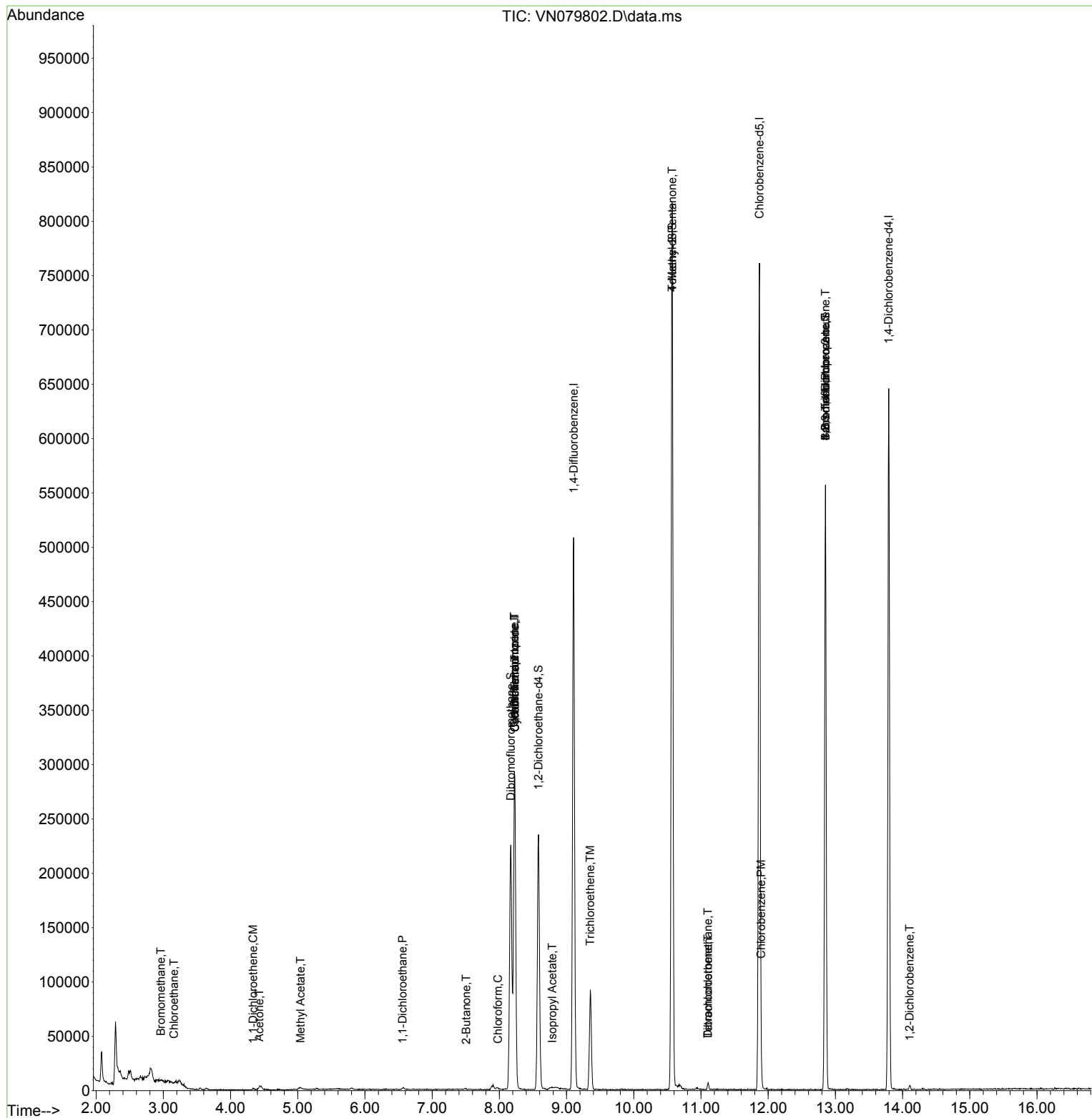
Internal Standards						
1) Pentafluorobenzene	8.224	168	208942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	416280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	421335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	187509	58.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.800%			
35) Dibromofluoromethane	8.171	113	157884	53.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.180%			
50) Toluene-d8	10.570	98	550814	50.784	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.853	95	178006	49.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.980%			
Target Compounds						Qvalue
5) Bromomethane	2.965	94	631	0.315	ug/l #	66
6) Chloroethane	3.159	64	753	0.289	ug/l #	43
12) 1,1-Dichloroethene	4.336	96	553	0.246	ug/l #	18
16) Acetone	4.430	43	7034	6.291	ug/l #	76
18) Methyl Acetate	5.041	43	4046	0.756	ug/l #	66
24) 1,1-Dichloroethane	6.559	63	2604	0.537	ug/l #	81
25) 2-Butanone	7.506	43	759	0.464	ug/l #	37
30) Chloroform	7.977	83	1250	0.237	ug/l	97
31) Cyclohexane	8.229	56	5674	1.349	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	20125	4.784	ug/l #	48
38) Carbon Tetrachloride	8.229	117	22267	5.252	ug/l #	15
43) Isopropyl Acetate	8.788	43	3346	0.495	ug/l #	49
44) Trichloroethene	9.353	130	31955	10.220	ug/l	97
51) 4-Methyl-2-Pentanone	10.570	43	3099	0.814	ug/l #	1
60) Dibromochloromethane	11.106	129	1326	0.412	ug/l #	11
64) Tetrachloroethene	11.106	164	1453	0.532	ug/l #	68
65) Chlorobenzene	11.894	112	5533	0.605	ug/l #	64
71) Bromoform	12.853	173	1578	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	99259	25.645	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99259	69.773	ug/l #	15
91) 1,2-Dichlorobenzene	14.106	146	1821	0.339	ug/l	96

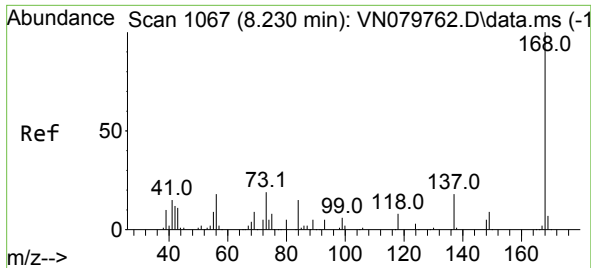
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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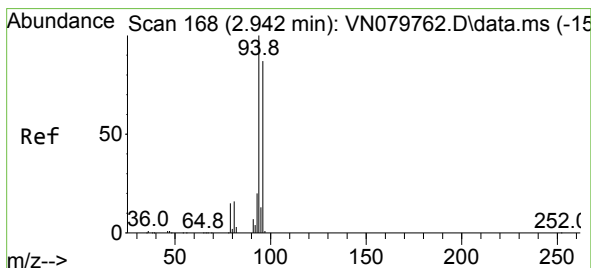
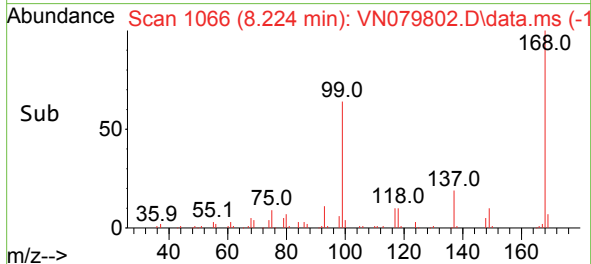
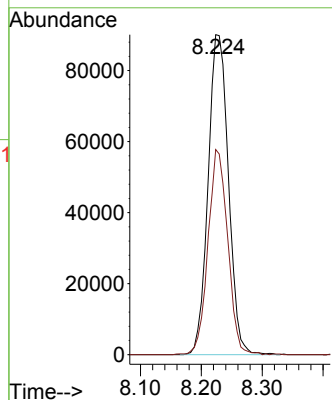
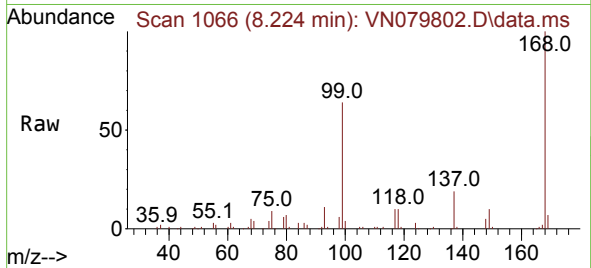




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

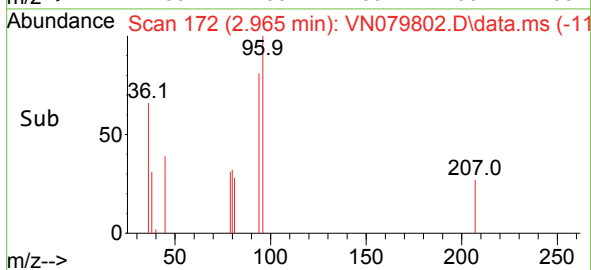
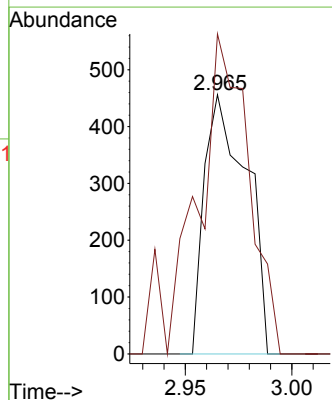
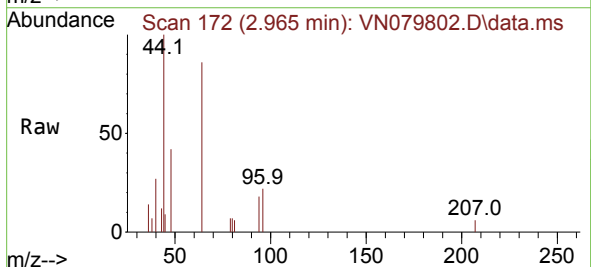
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

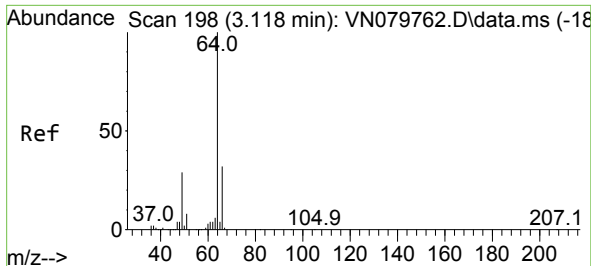
Tgt Ion:168 Resp: 208942
Ion Ratio Lower Upper
168 100
99 63.9 53.0 79.6



#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 94 Resp: 631
Ion Ratio Lower Upper
94 100
96 123.5 73.1 109.7#

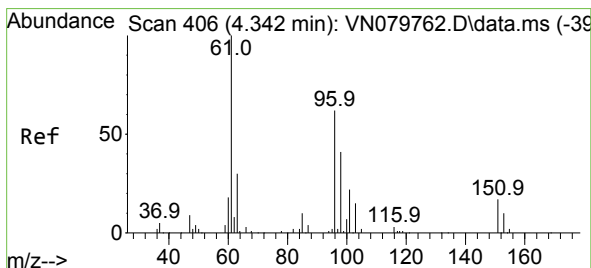
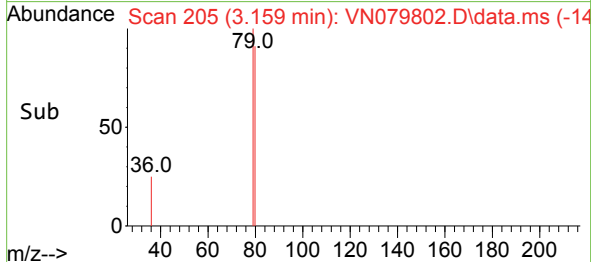
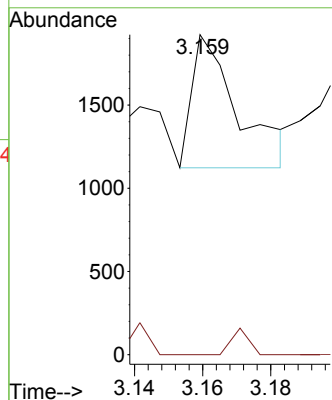
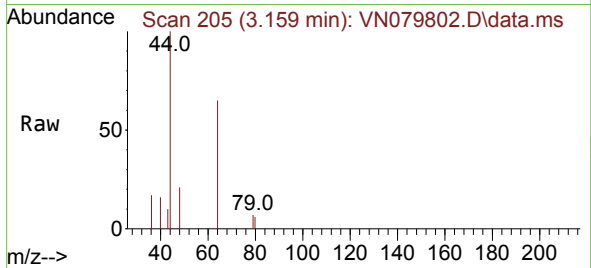




#6
Chloroethane
Concen: 0.289 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

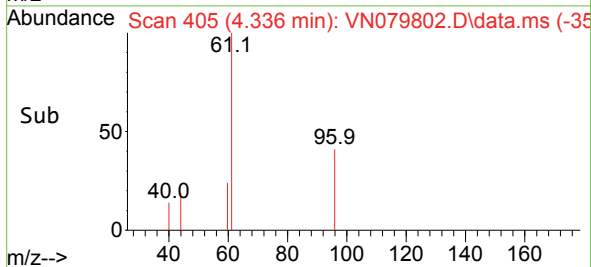
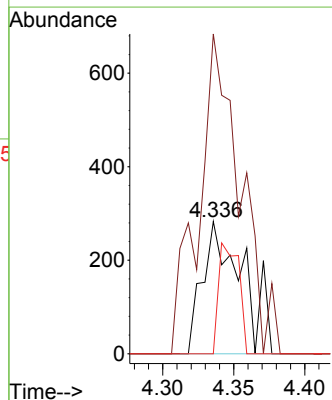
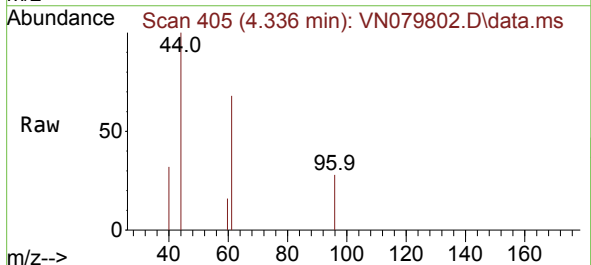
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

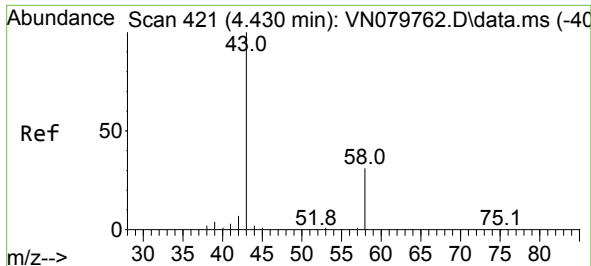
Tgt Ion: 64 Resp: 753
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#12
1,1-Dichloroethene
Concen: 0.246 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.012 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 96 Resp: 553
Ion Ratio Lower Upper
96 100
61 241.7 112.7 169.1#
98 0.0 51.2 76.8#

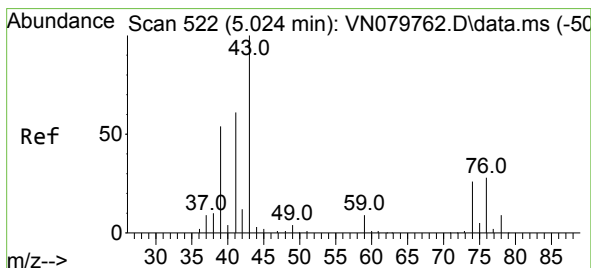
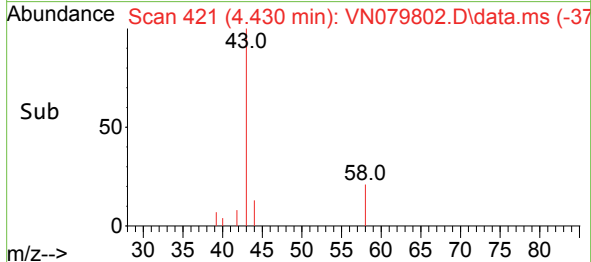
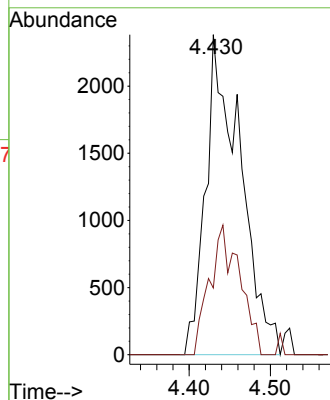
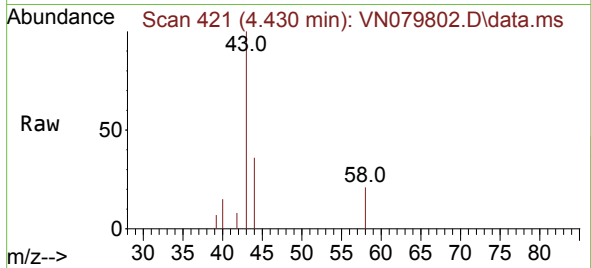




#16
Acetone
Concen: 6.291 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

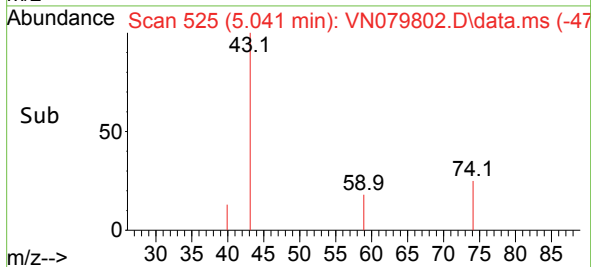
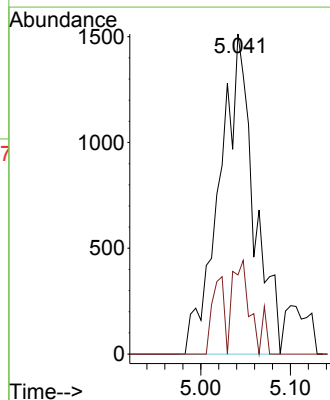
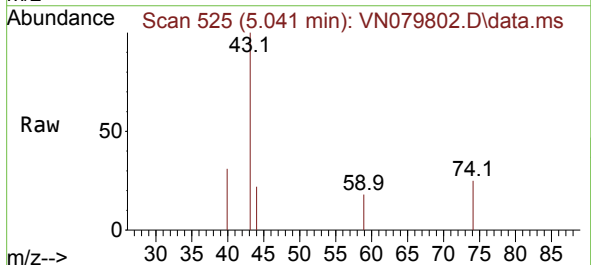
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

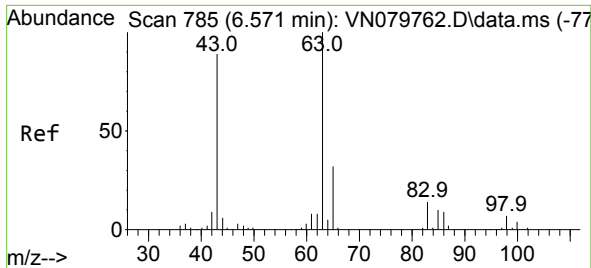
Tgt Ion: 43 Resp: 7034
Ion Ratio Lower Upper
43 100
58 20.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.756 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 43 Resp: 4046
Ion Ratio Lower Upper
43 100
74 13.7 26.2 39.4#

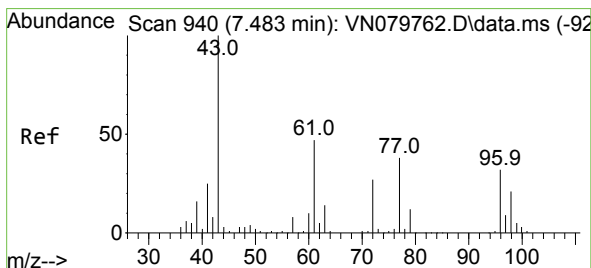
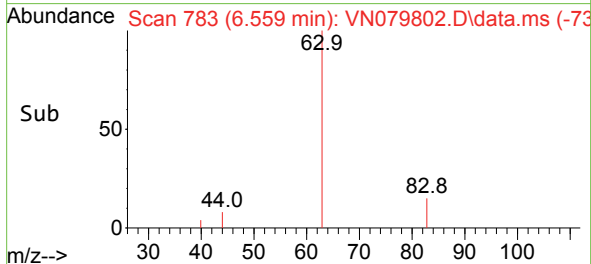
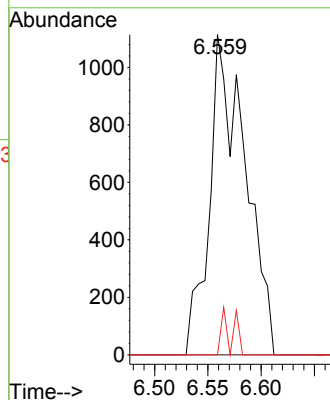
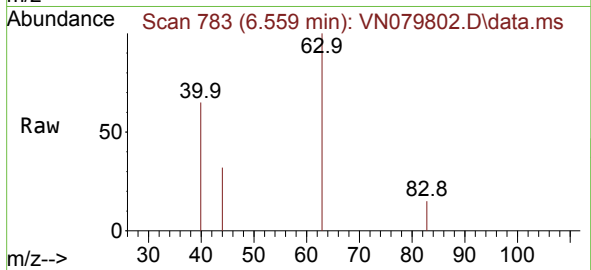




#24
1,1-Dichloroethane
Concen: 0.537 ug/l
RT: 6.559 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

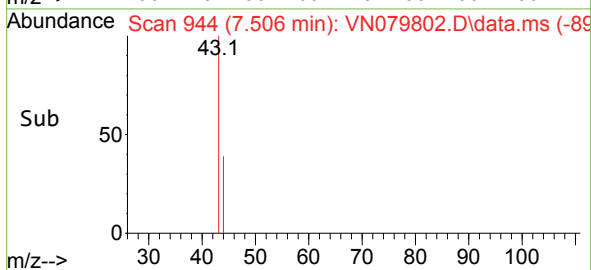
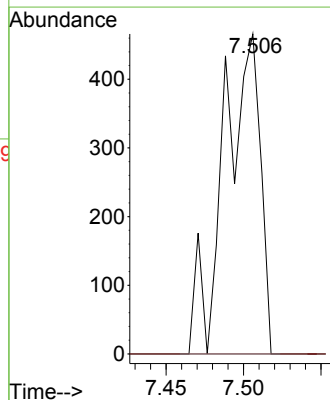
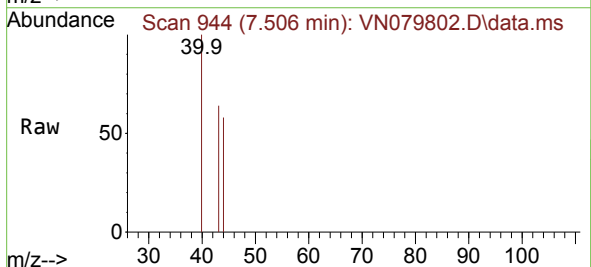
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

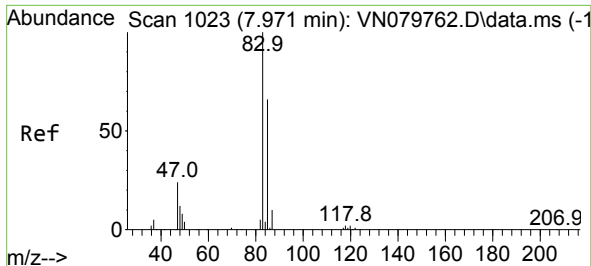
Tgt Ion: 63 Resp: 2604
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 0.464 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#

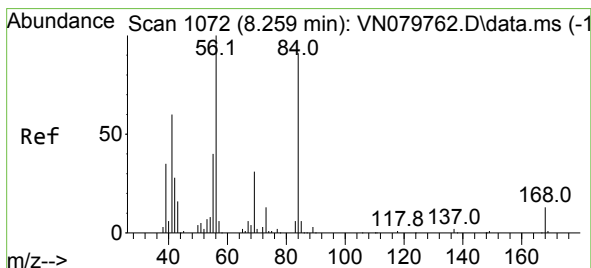
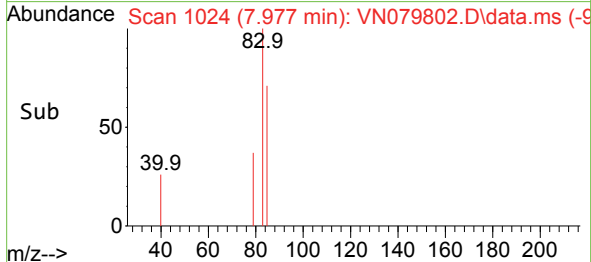
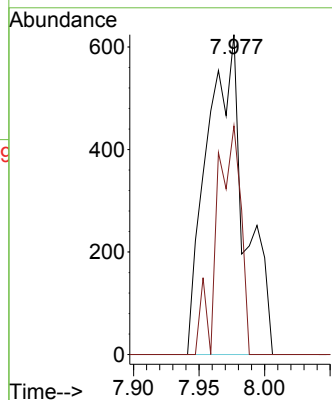
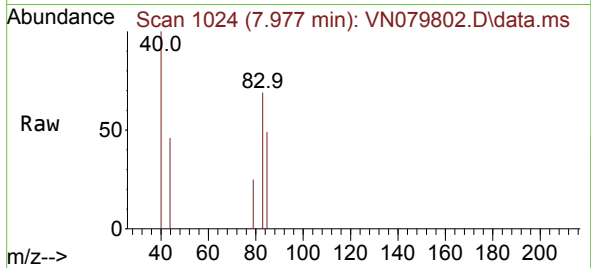




#30
Chloroform
Concen: 0.237 ug/l
RT: 7.977 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

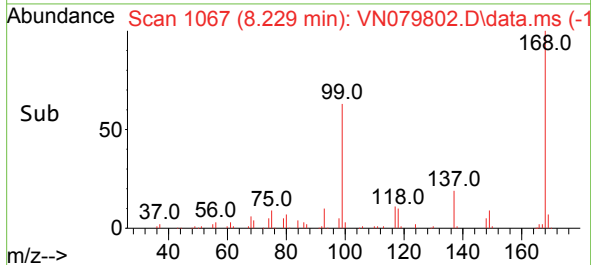
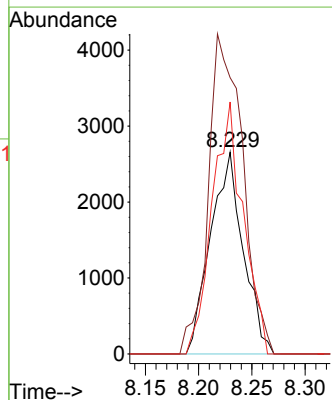
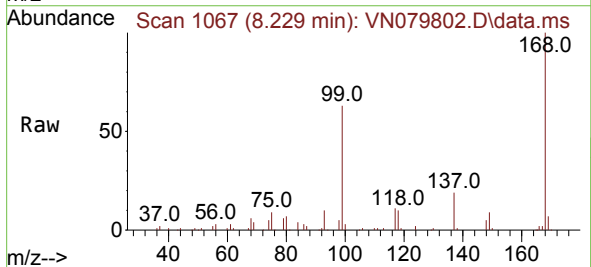
Instrument :
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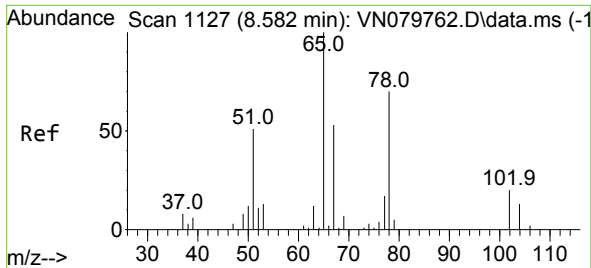
Tgt Ion: 83 Resp: 1250
Ion Ratio Lower Upper
83 100
85 71.5 55.4 83.0



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 56 Resp: 5674
Ion Ratio Lower Upper
56 100
69 136.9 26.8 40.2#
84 124.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 58.904 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

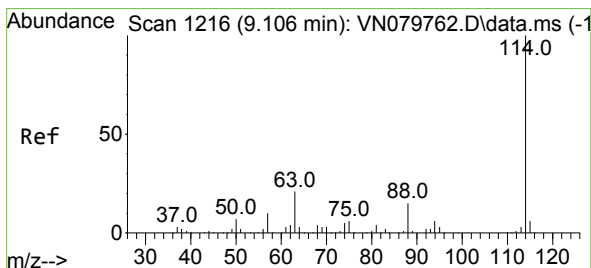
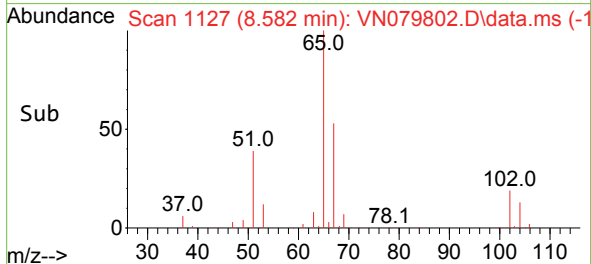
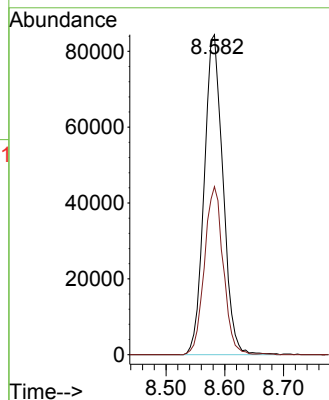
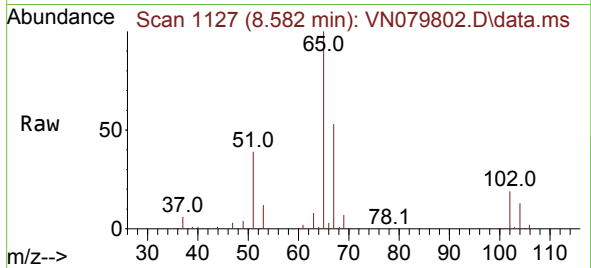
BP-VPB-188-DUP-20231030

Tgt Ion: 65 Resp: 187509

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

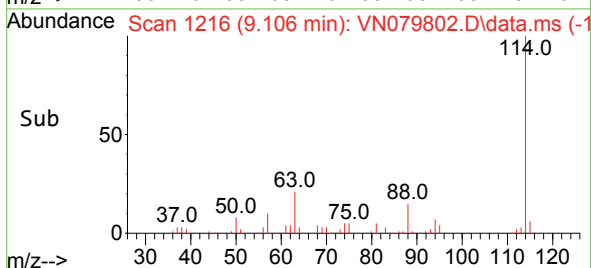
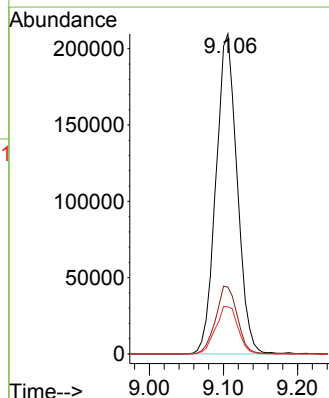
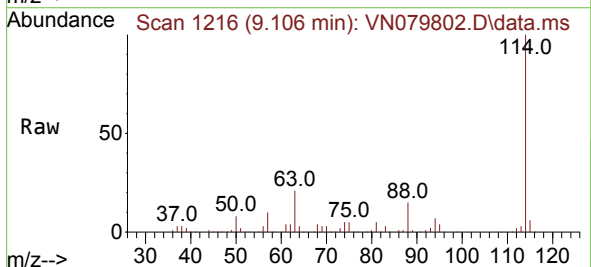
Tgt Ion: 114 Resp: 416280

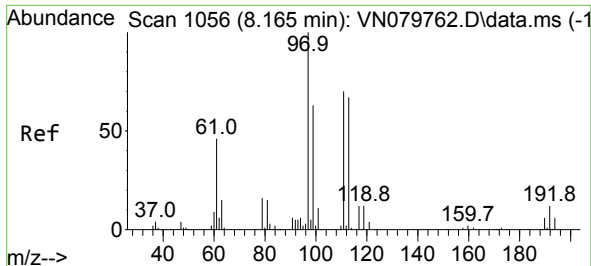
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.588 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-DUP-20231030

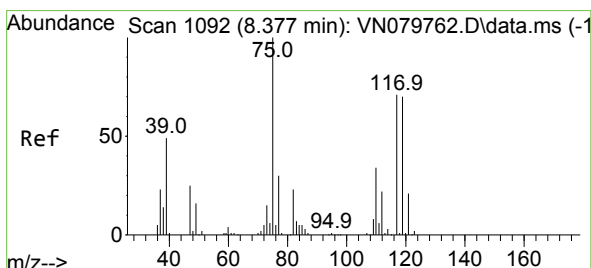
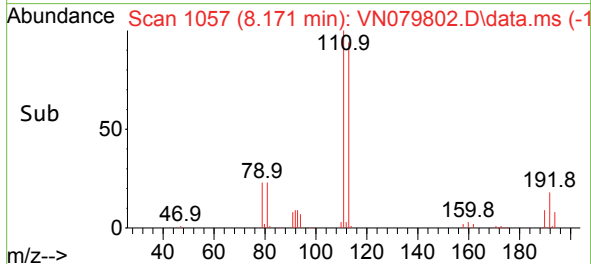
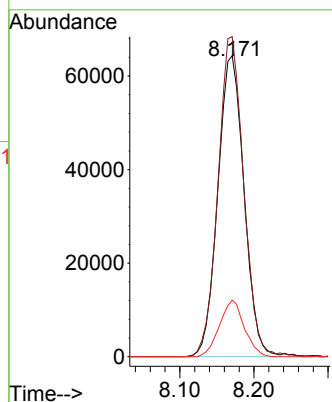
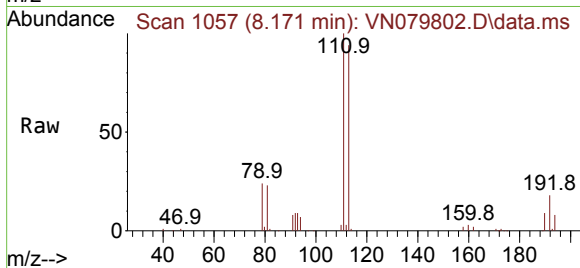
Tgt Ion:113 Resp: 157884

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

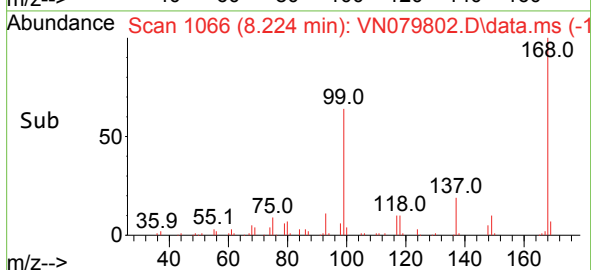
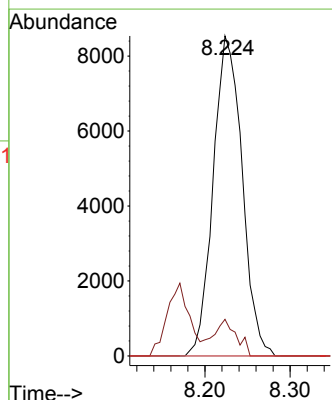
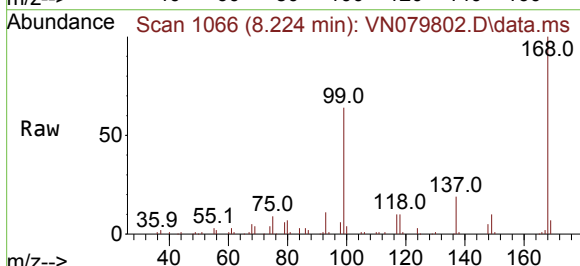
Tgt Ion: 75 Resp: 20125

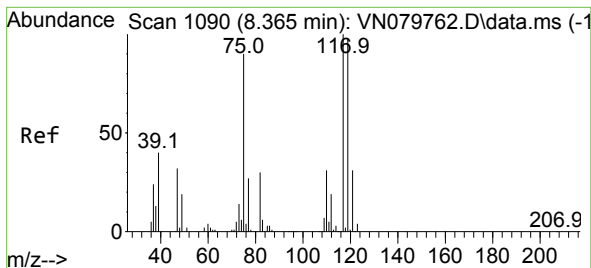
Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.252 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.129 min

Lab File: VN079802.D

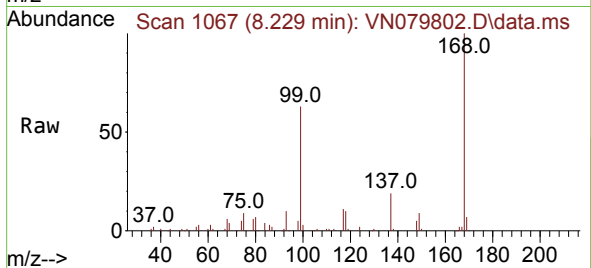
Acq: 02 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-DUP-20231030



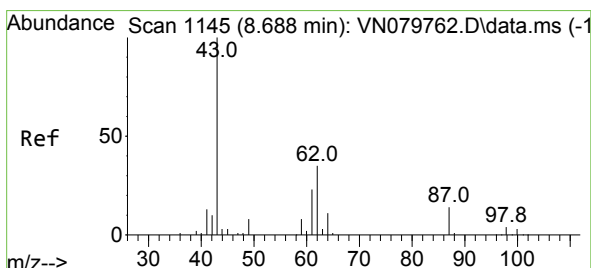
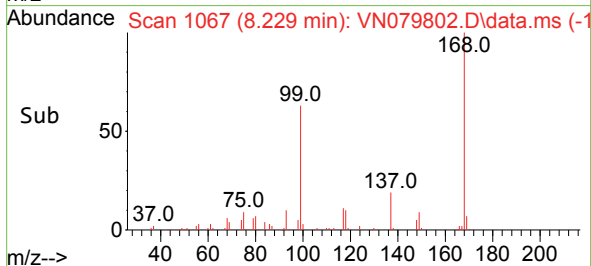
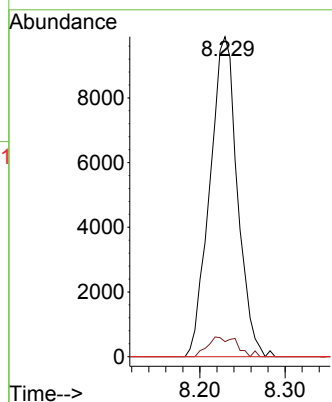
Tgt Ion:117 Resp: 22267

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.495 ug/l

RT: 8.788 min Scan# 1162

Delta R.T. 0.100 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

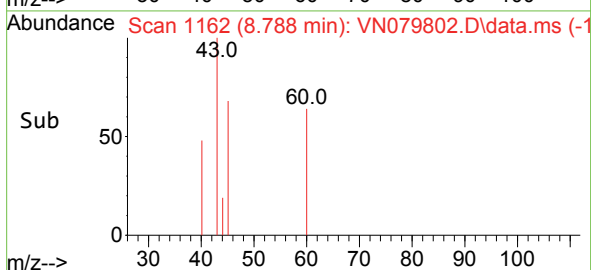
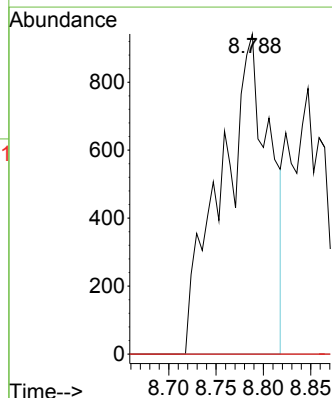
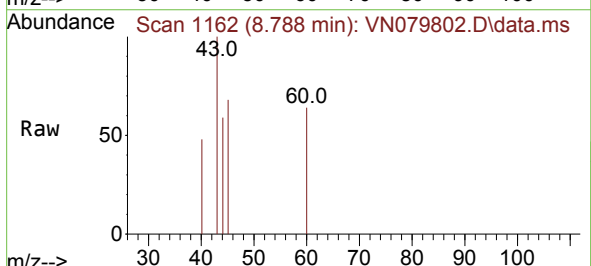
Tgt Ion: 43 Resp: 3346

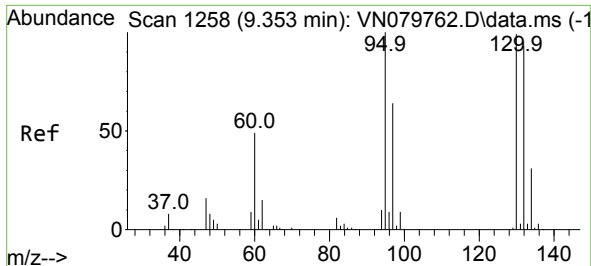
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

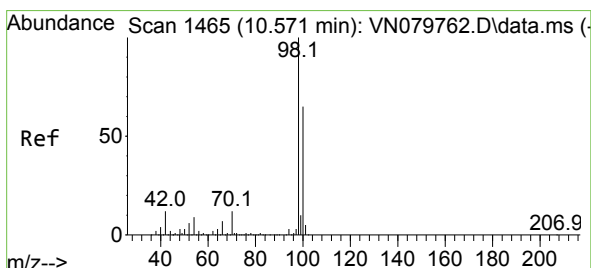
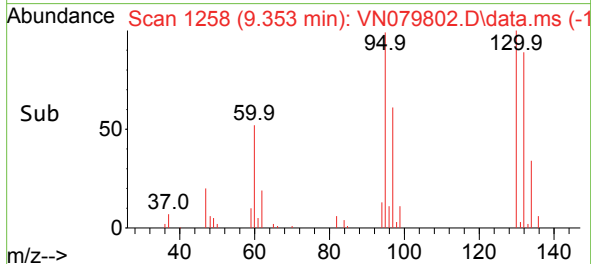
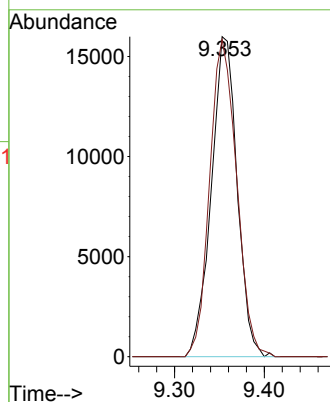
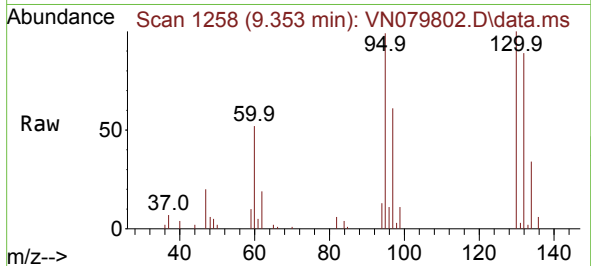




#44
Trichloroethene
Concen: 10.220 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

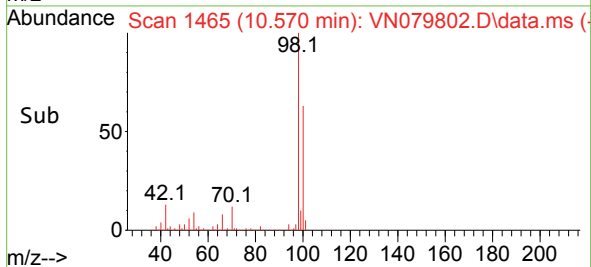
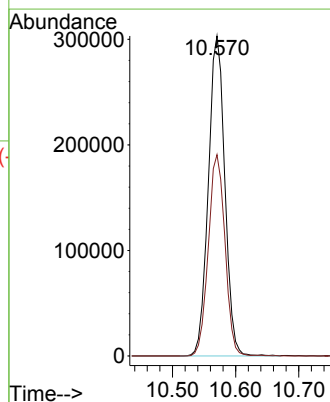
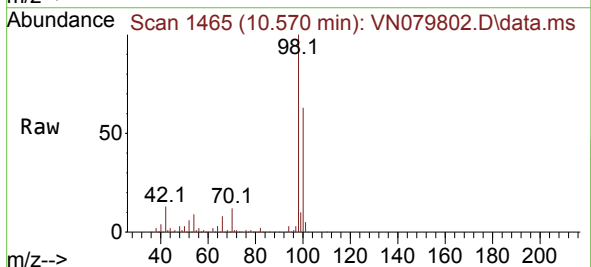
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

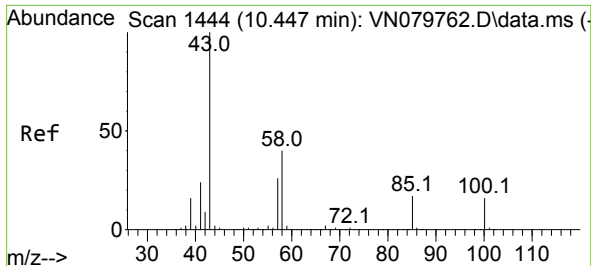
Tgt Ion:130 Resp: 31955
Ion Ratio Lower Upper
130 100
95 99.0 0.0 204.6



#50
Toluene-d8
Concen: 50.784 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 98 Resp: 550814
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

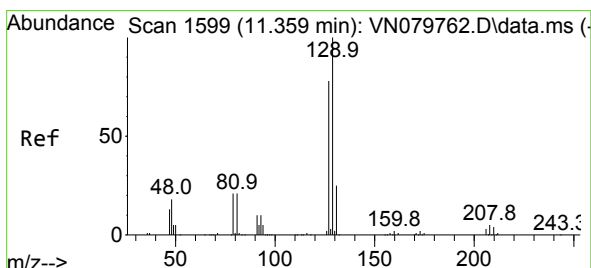
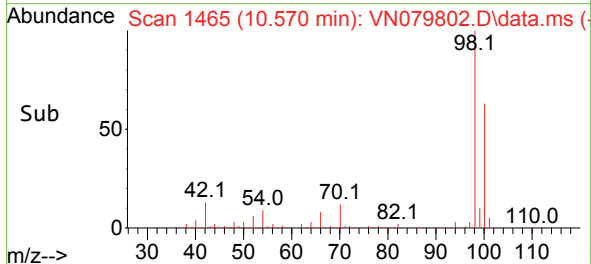
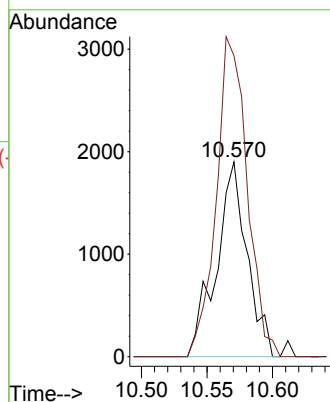
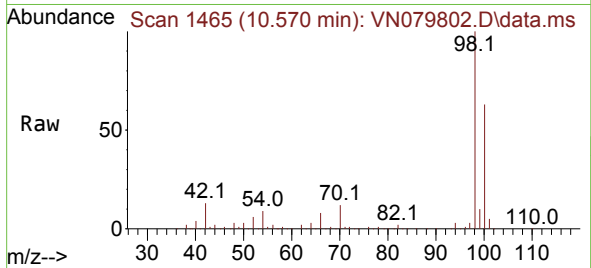




#51
4-Methyl-2-Pentanone
Concen: 0.814 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

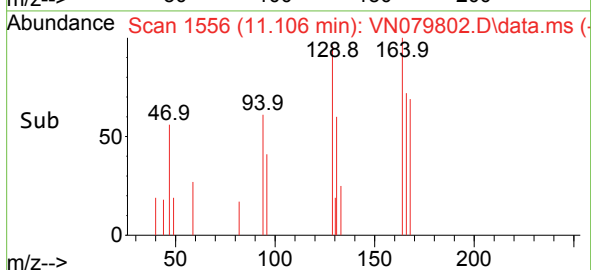
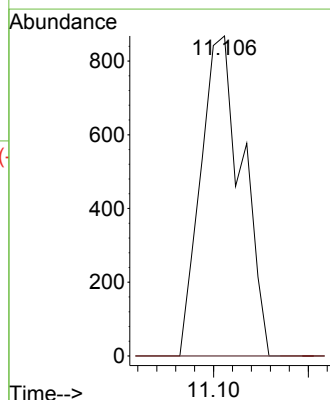
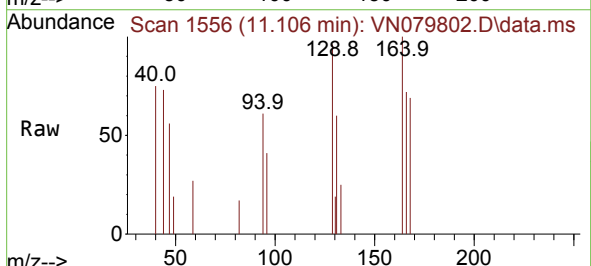
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-DUP-20231030

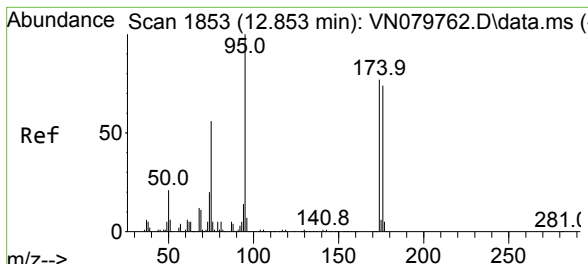
Tgt Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
58 164.9 36.6 54.8#



#60
Dibromochloromethane
Concen: 0.412 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079802.D
Acq: 02 Nov 2023 17:10

Tgt Ion: 129 Resp: 1326
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

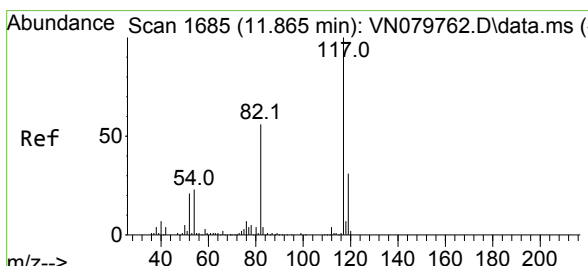
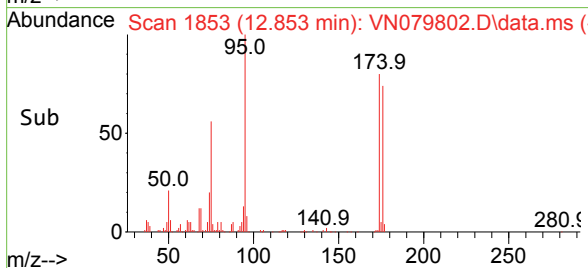
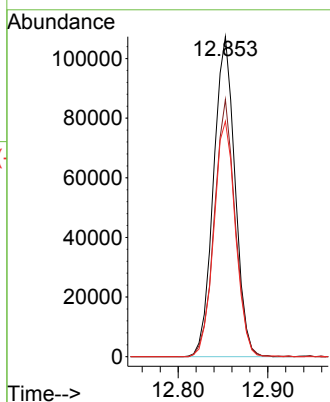
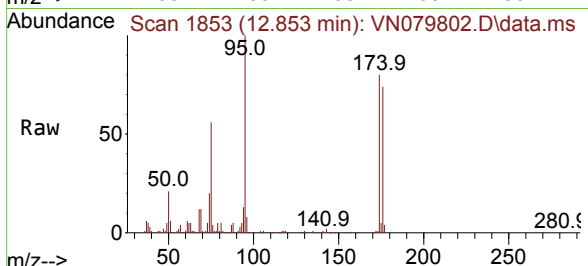




#62
 4-Bromofluorobenzene
 Concen: 49.485 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079802.D
 Acq: 02 Nov 2023 17:10

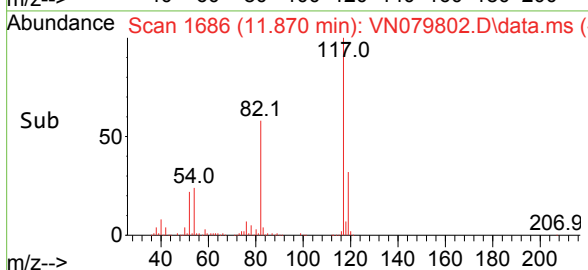
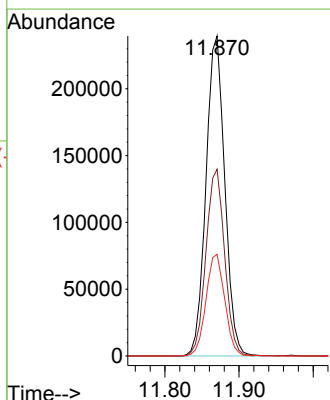
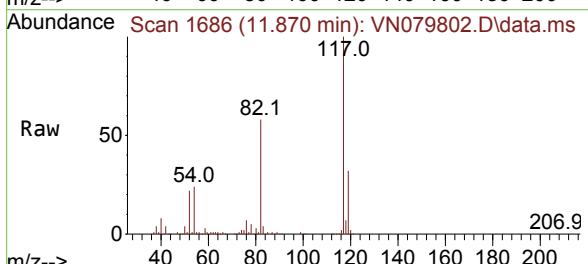
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-188-DUP-20231030

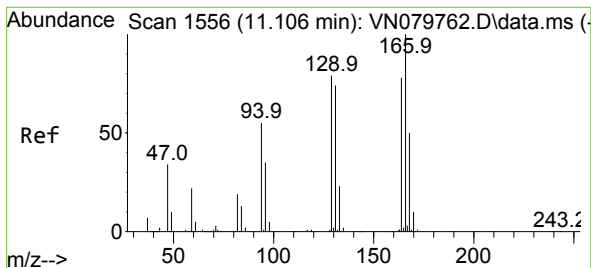
Tgt Ion:	95	Resp:	178006
Ion Ratio	Lower	Upper	
95	100		
174	78.0	0.0	143.8
176	74.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079802.D
 Acq: 02 Nov 2023 17:10

Tgt Ion:	117	Resp:	421335
Ion Ratio	Lower	Upper	
117	100		
82	58.4	44.0	66.0
119	31.7	25.6	38.4





#64

Tetrachloroethene

Concen: 0.532 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN079802.D

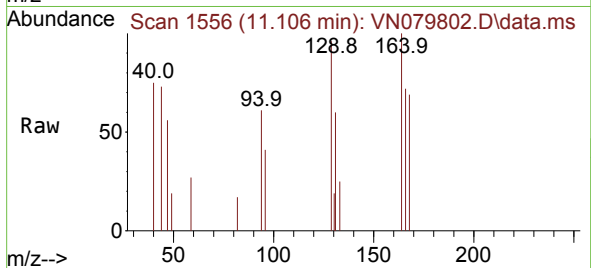
Acq: 02 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-DUP-20231030



Tgt Ion:164 Resp: 1453

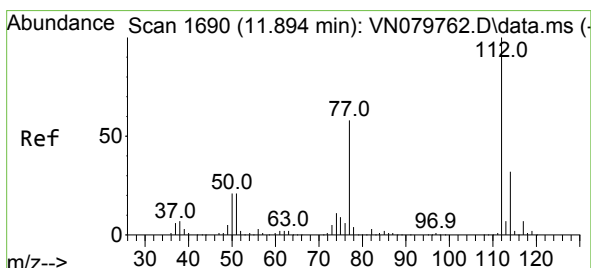
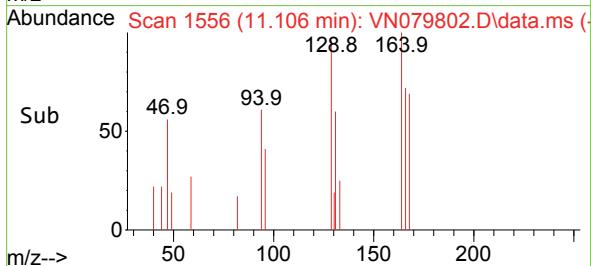
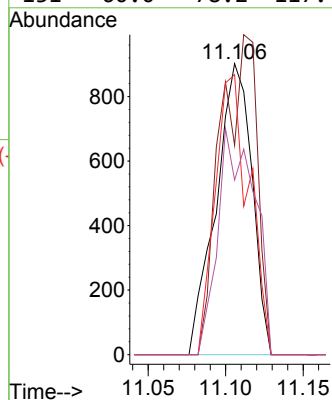
Ion Ratio Lower Upper

164 100

166 72.0 101.4 152.0#

129 96.2 82.4 123.6

131 60.0 78.2 117.4#



#65

Chlorobenzene

Concen: 0.605 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN079802.D

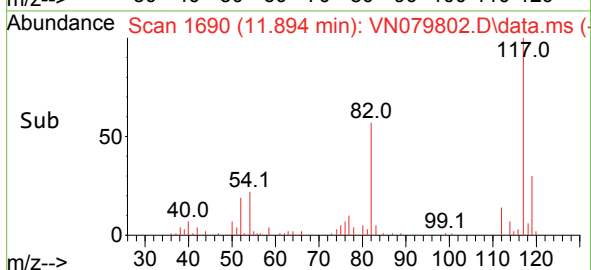
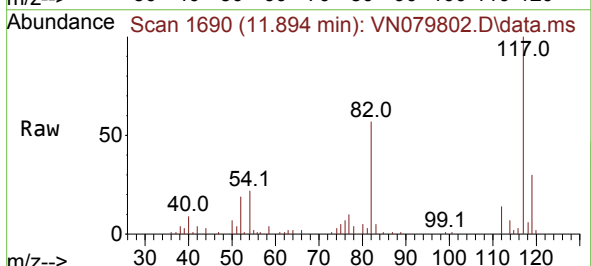
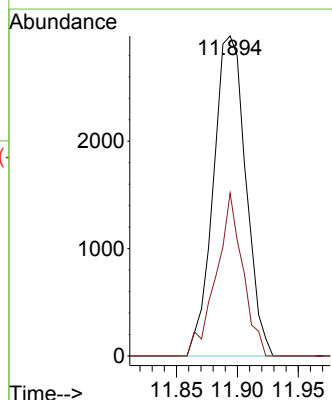
Acq: 02 Nov 2023 17:10

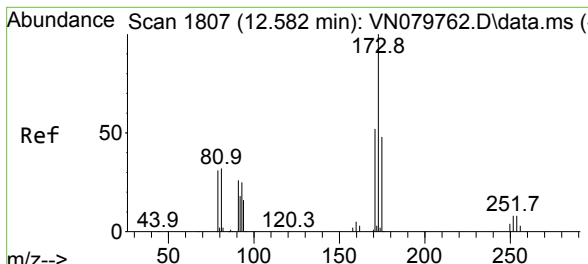
Tgt Ion:112 Resp: 5533

Ion Ratio Lower Upper

112 100

114 50.9 25.0 37.4#

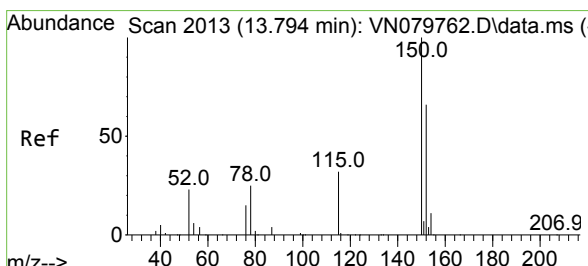
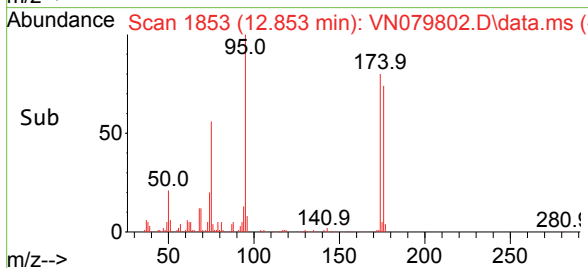
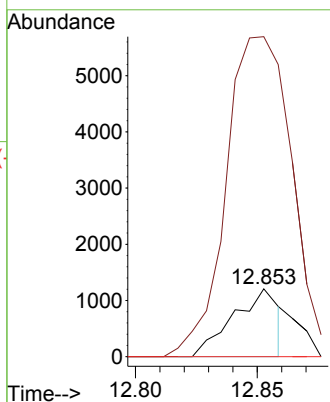
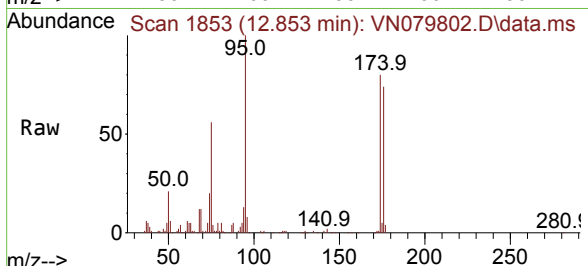




#71
 Bromoform
 Concen: 0.675 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.271 min
 Lab File: VN079802.D
 Acq: 02 Nov 2023 17:10

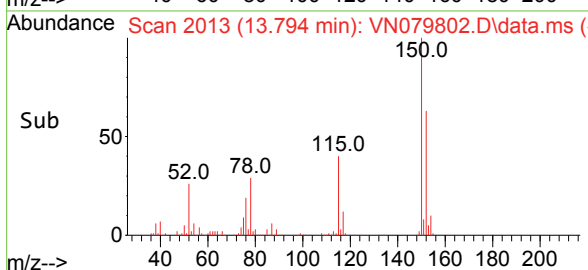
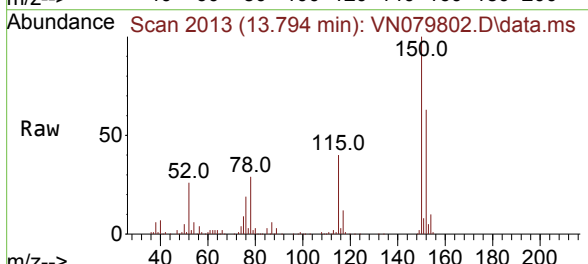
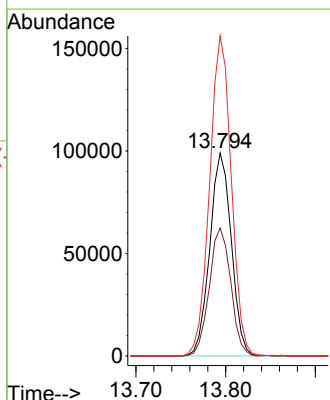
Instrument : MSVOA_N
 ClientSampleId : BP-VPB-188-DUP-20231030

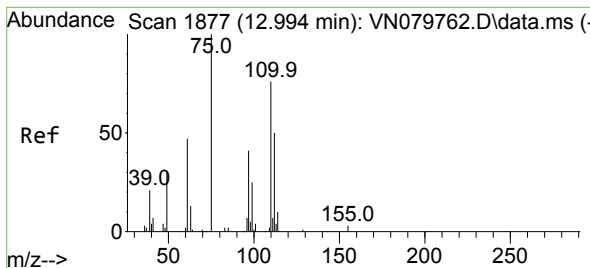
Tgt Ion:	173	Resp:	1578
Ion Ratio	Lower	Upper	
173	100		
175	558.4	24.3	73.0#
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN079802.D
 Acq: 02 Nov 2023 17:10

Tgt Ion:	152	Resp:	164866
Ion Ratio	Lower	Upper	
152	100		
115	63.0	32.3	96.8
150	158.6	0.0	355.8





#76

1,2,3-Trichloropropane

Concen: 25.645 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

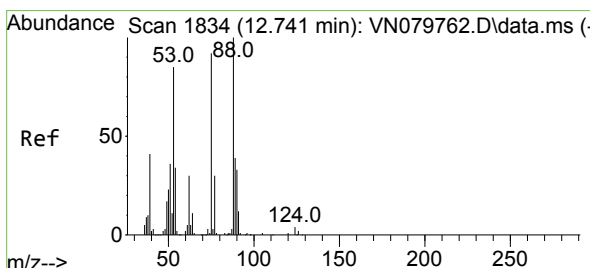
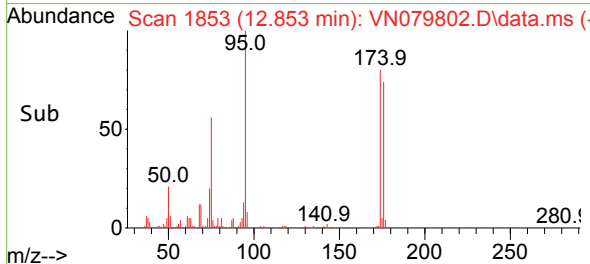
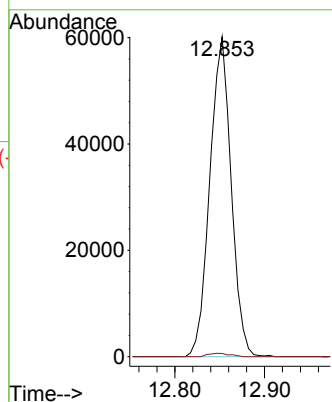
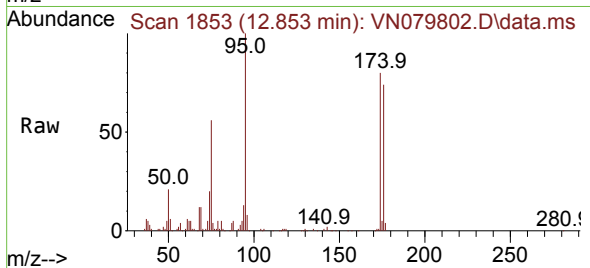
BP-VPB-188-DUP-20231030

Tgt Ion: 75 Resp: 99259

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.773 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079802.D

Acq: 02 Nov 2023 17:10

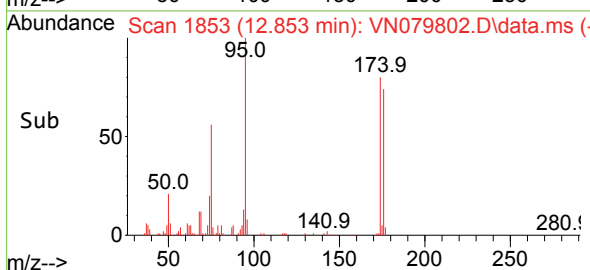
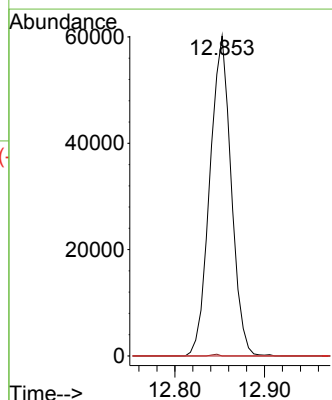
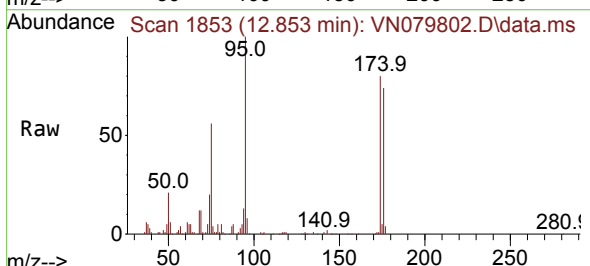
Tgt Ion: 75 Resp: 99259

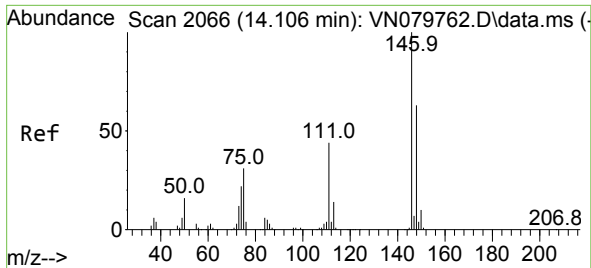
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

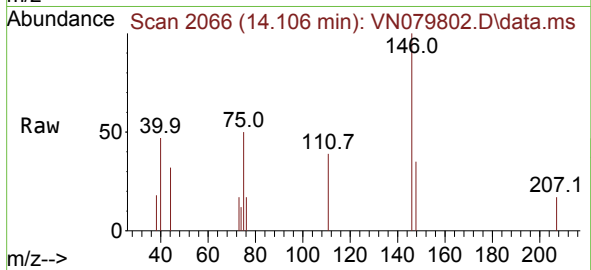
89 0.0 38.8 58.2#





#91
 1,2-Dichlorobenzene
 Concen: 0.339 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. -0.000 min
 Lab File: VN079802.D
 Acq: 02 Nov 2023 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-DUP-20231030



Tgt Ion:	146	Resp:	1821
Ion	Ratio	Lower	Upper
146	100		
111	48.7	22.0	66.0
148	62.2	31.8	95.3

