

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079803.D
 Acq On : 02 Nov 2023 17:34
 Operator : JC\MD
 Sample : 05225-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-300-302

Quant Time: Nov 03 04:04:03 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)

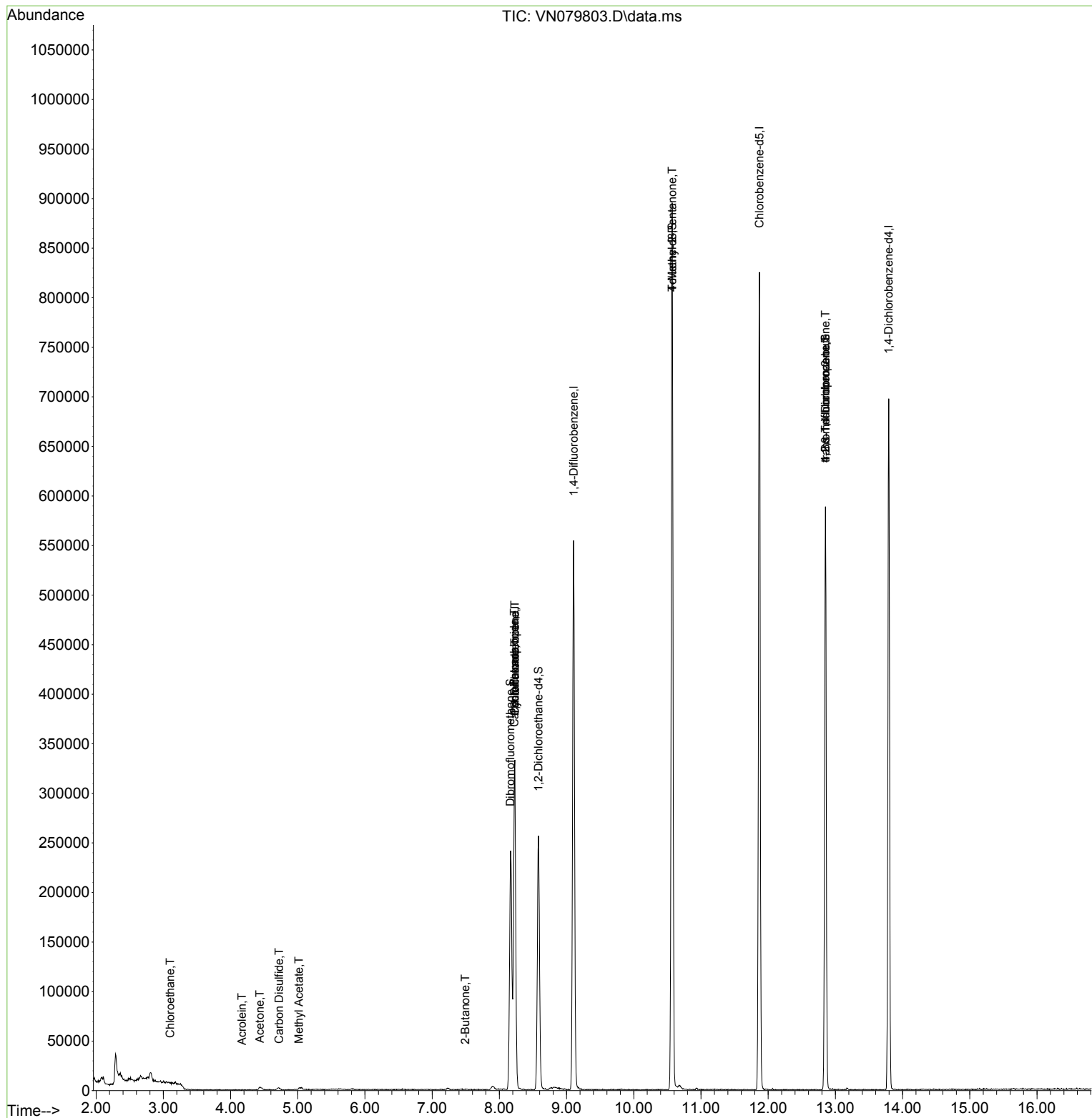
Internal Standards						
1) Pentafluorobenzene	8.230	168	227987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	457615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	467721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	207565	59.757	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.520%			
35) Dibromofluoromethane	8.165	113	172408	53.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.460%			
50) Toluene-d8	10.571	98	600915	50.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.853	95	194095	49.084	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.160%			
Target Compounds						
3) Chloromethane	2.354	50	1987	Below Cal	#	42
6) Chloroethane	3.101	64	977	0.344	ug/l	92
13) Acrolein	4.171	56	65	2.734	ug/l #	16
16) Acetone	4.436	43	5970	4.893	ug/l	98
17) Carbon Disulfide	4.724	76	4745	0.670	ug/l #	75
18) Methyl Acetate	5.018	43	2297	0.394	ug/l #	64
25) 2-Butanone	7.494	43	383	0.214	ug/l #	37
31) Cyclohexane	8.230	56	6453	1.406	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	20604	4.455	ug/l #	48
38) Carbon Tetrachloride	8.224	117	24677	5.295	ug/l #	14
51) 4-Methyl-2-Pentanone	10.571	43	3365	0.804	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	108773	26.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108773	70.976	ug/l #	15

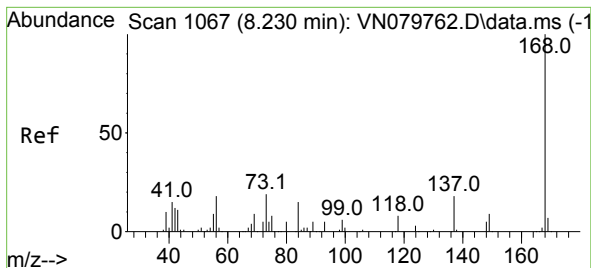
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079803.D

Acq: 02 Nov 2023 17:34

Instrument :

MSVOA_N

ClientSampleId :

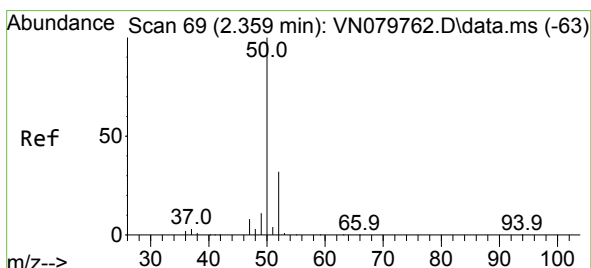
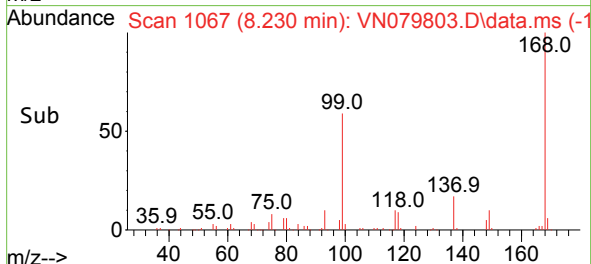
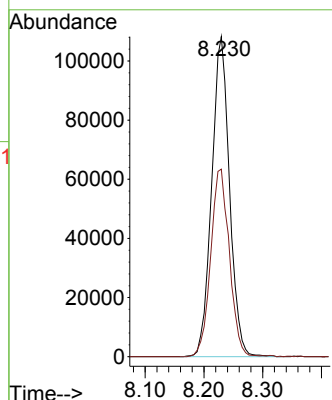
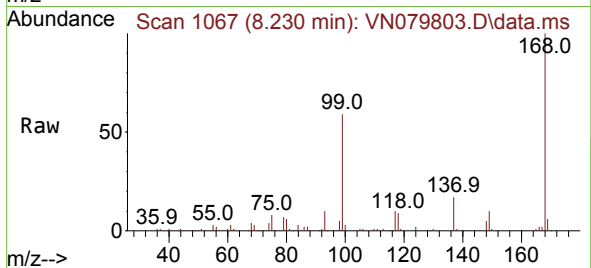
BP-VPB-188-GW-300-302

Tgt Ion:168 Resp: 227987

Ion Ratio Lower Upper

168 100

99 58.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.354 min Scan# 68

Delta R.T. -0.005 min

Lab File: VN079803.D

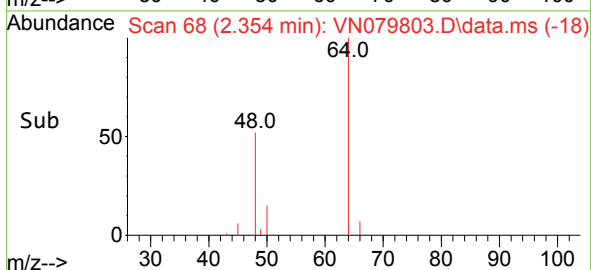
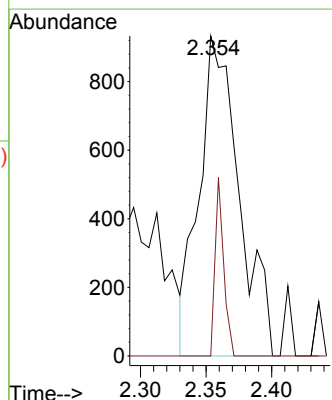
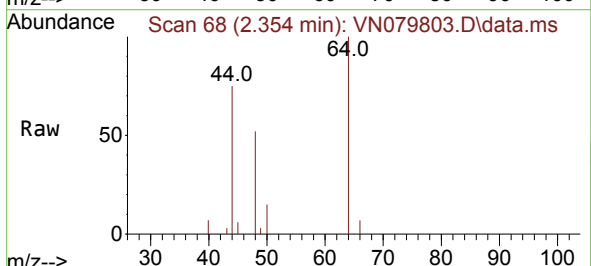
Acq: 02 Nov 2023 17:34

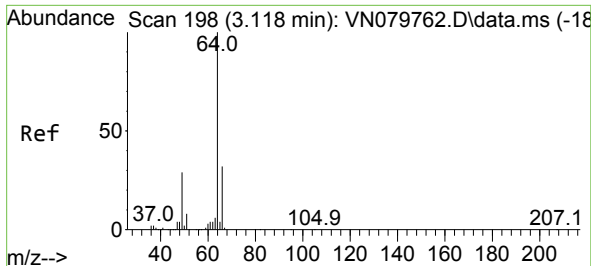
Tgt Ion: 50 Resp: 1987

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

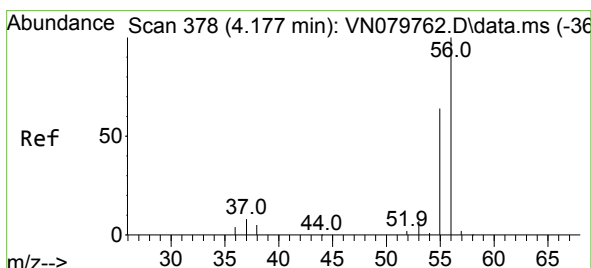
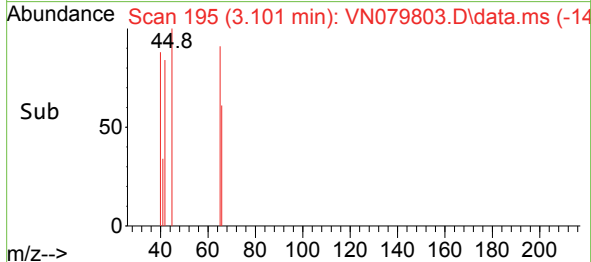
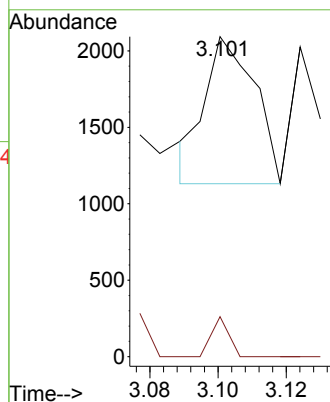
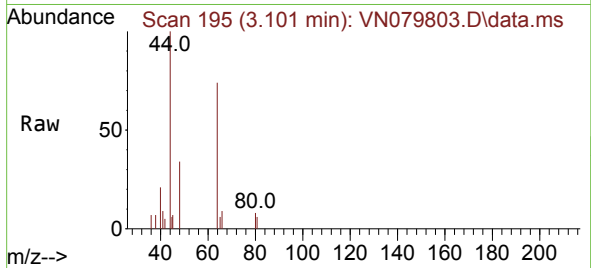




#6
Chloroethane
Concen: 0.344 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

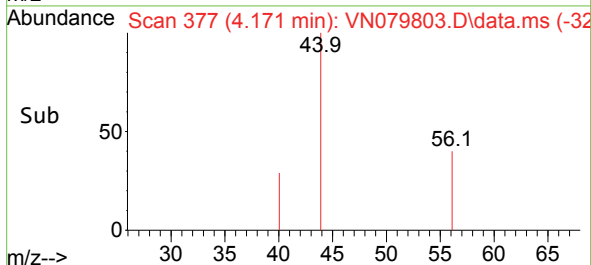
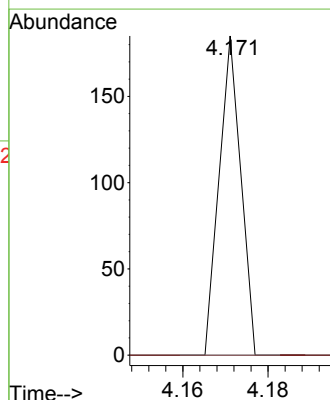
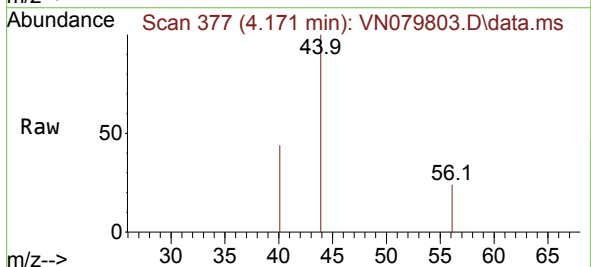
Instrument :
MSVOA_N
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BP-VPB-188-GW-300-302

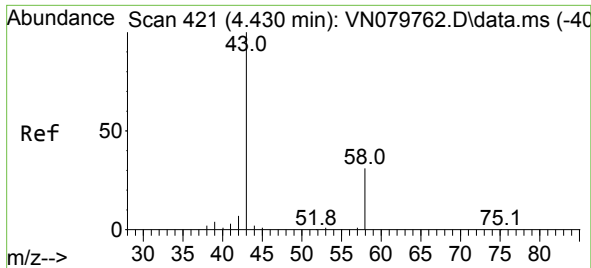
Tgt Ion: 64 Resp: 977
Ion Ratio Lower Upper
64 100
66 27.2 25.4 38.2



#13
Acrolein
Concen: 2.734 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.012 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

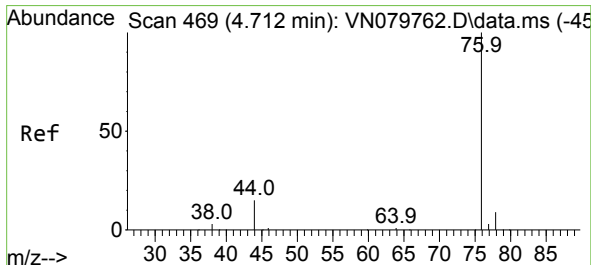
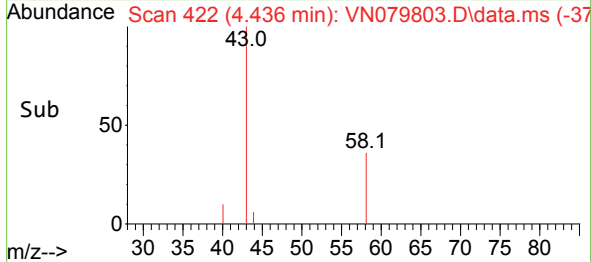
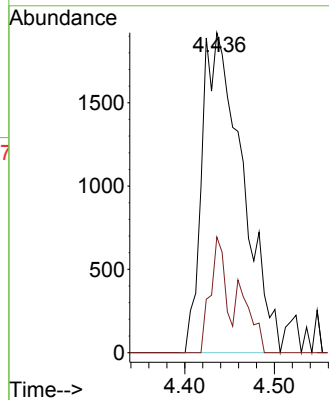
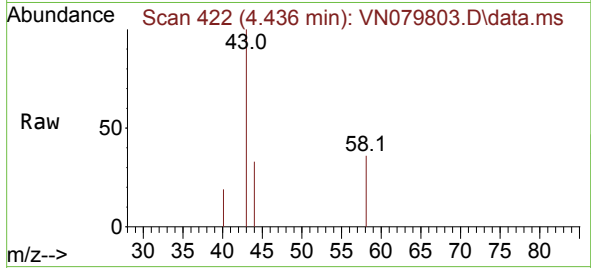




#16
Acetone
Concen: 4.893 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

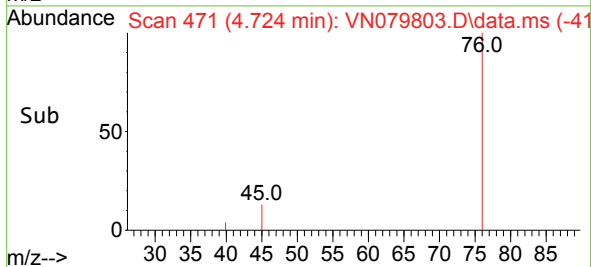
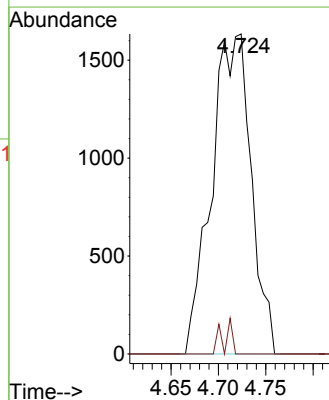
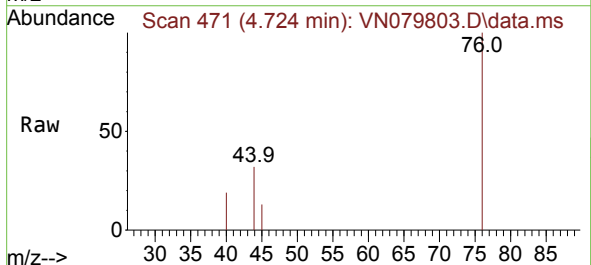
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-300-302

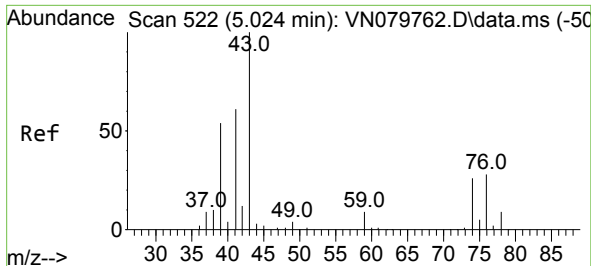
Tgt Ion: 43 Resp: 5970
Ion Ratio Lower Upper
43 100
58 36.1 28.0 42.0



#17
Carbon Disulfide
Concen: 0.670 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

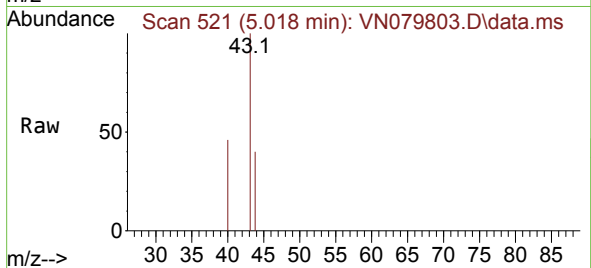
Tgt Ion: 76 Resp: 4745
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



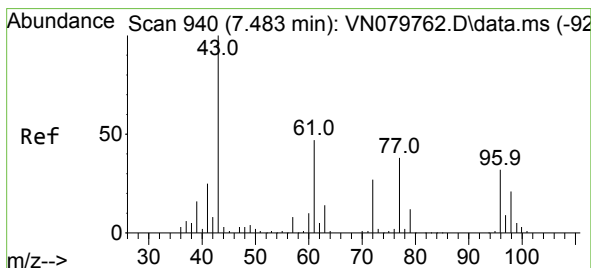
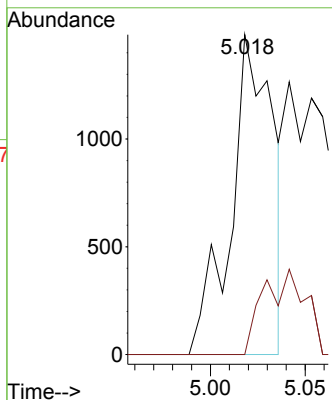
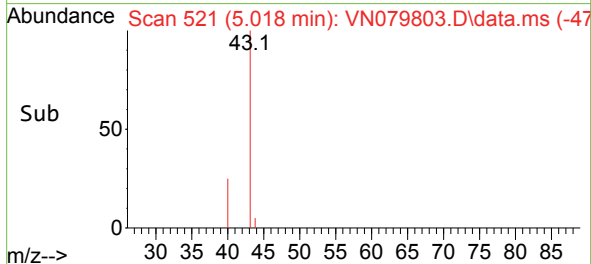


#18
Methyl Acetate
Concen: 0.394 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-300-302

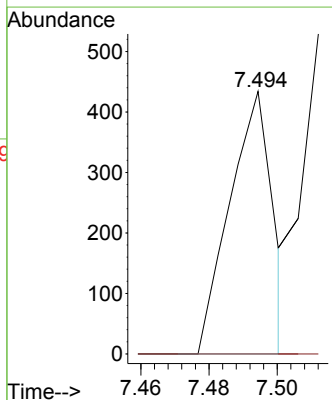
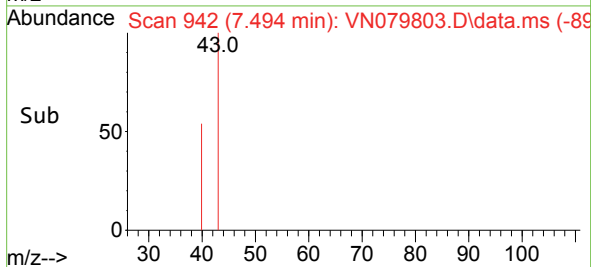
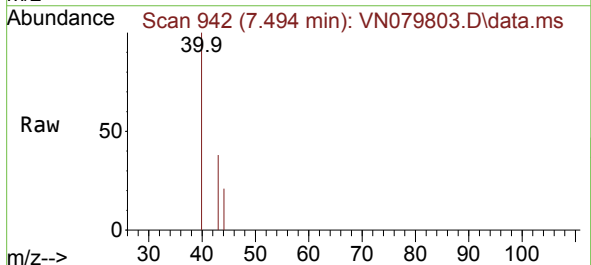


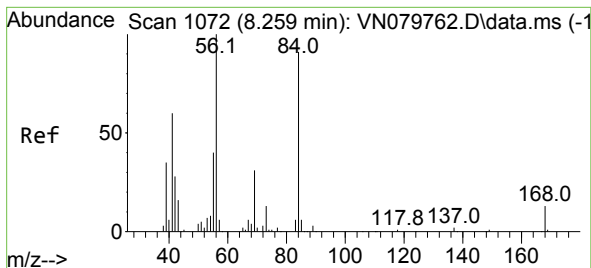
Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
74 12.3 26.2 39.4#



#25
2-Butanone
Concen: 0.214 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.406 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079803.D

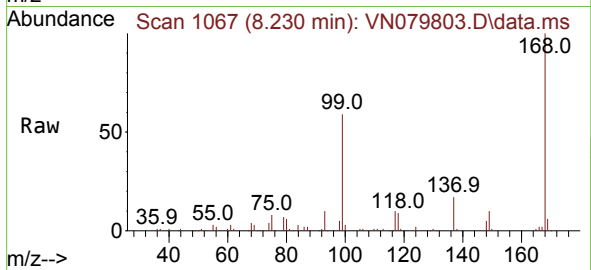
Acq: 02 Nov 2023 17:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-300-302



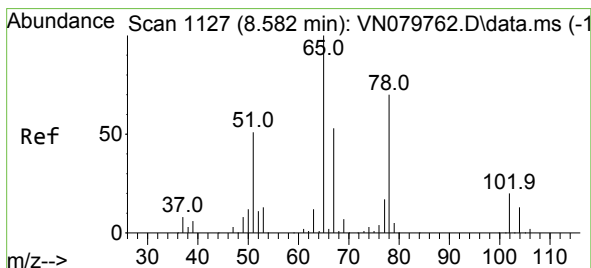
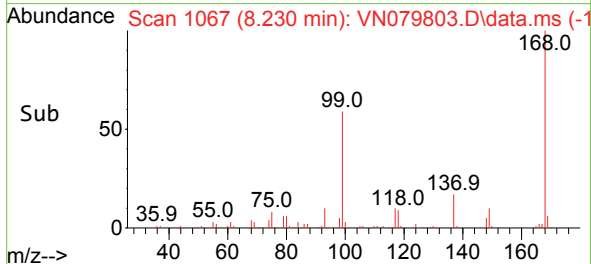
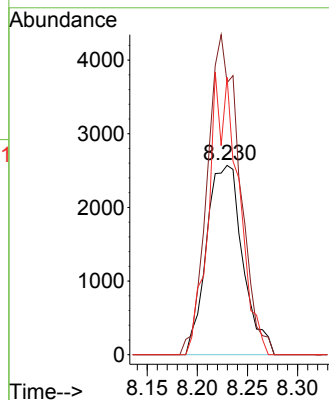
Tgt Ion: 56 Resp: 6453

Ion Ratio Lower Upper

56 100

69 143.7 26.8 40.2#

84 146.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 59.757 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079803.D

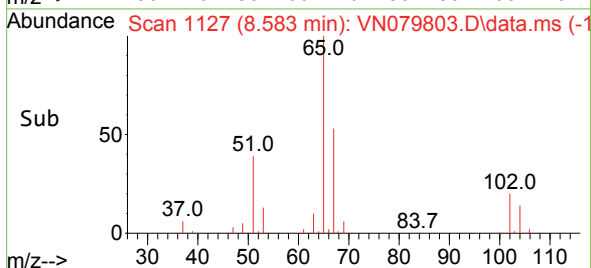
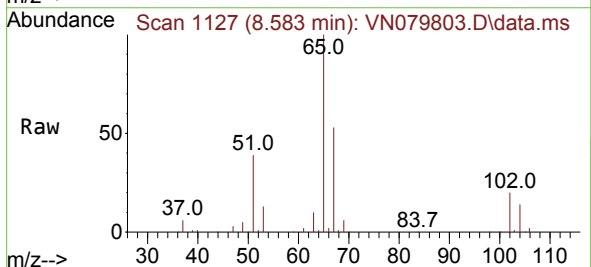
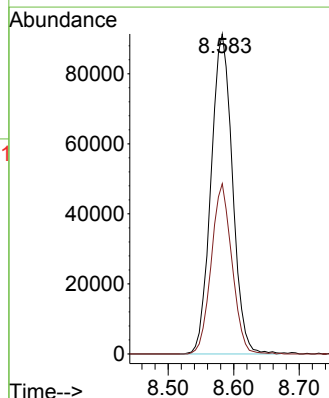
Acq: 02 Nov 2023 17:34

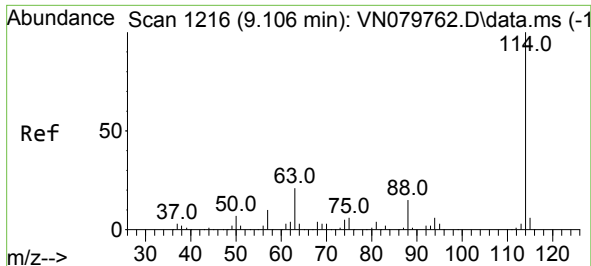
Tgt Ion: 65 Resp: 207565

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079803.D

Acq: 02 Nov 2023 17:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-300-302

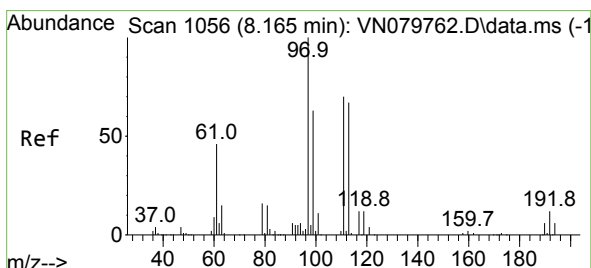
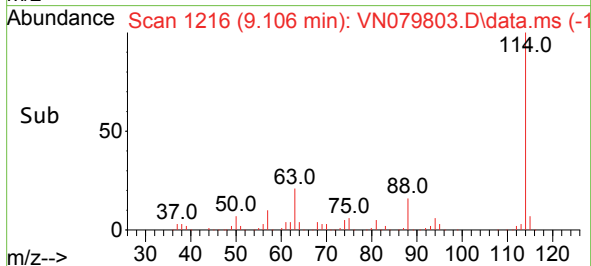
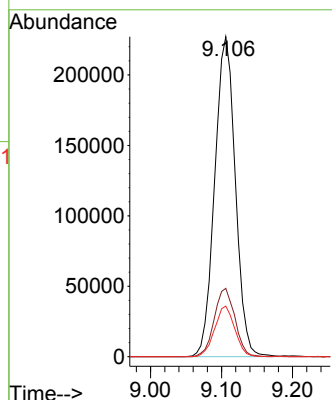
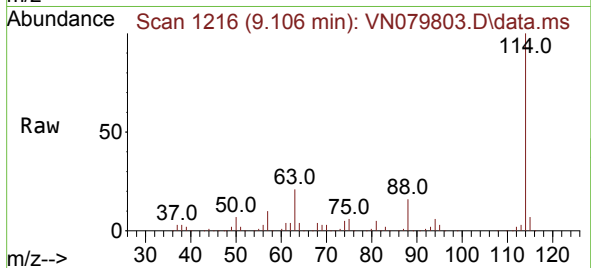
Tgt Ion:114 Resp: 457615

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.232 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079803.D

Acq: 02 Nov 2023 17:34

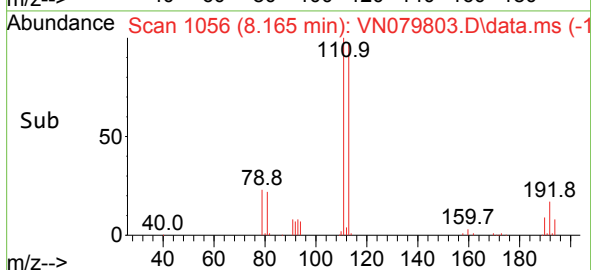
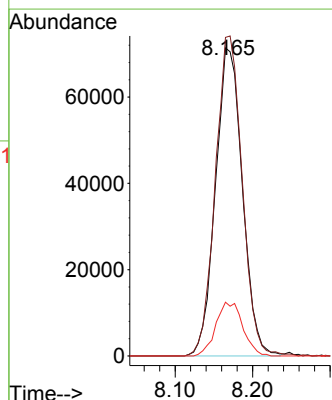
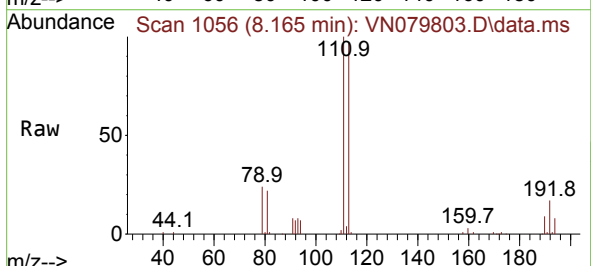
Tgt Ion:113 Resp: 172408

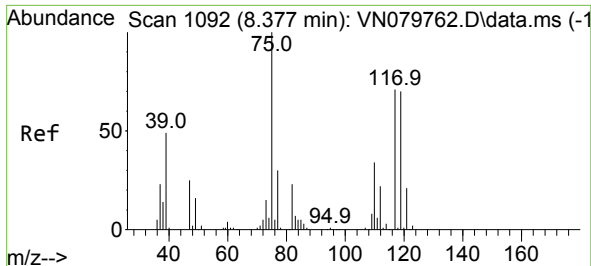
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 17.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.455 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079803.D

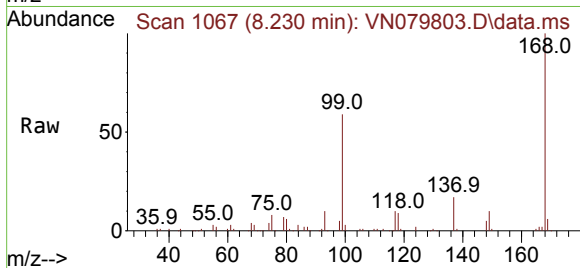
Acq: 02 Nov 2023 17:34

Instrument :

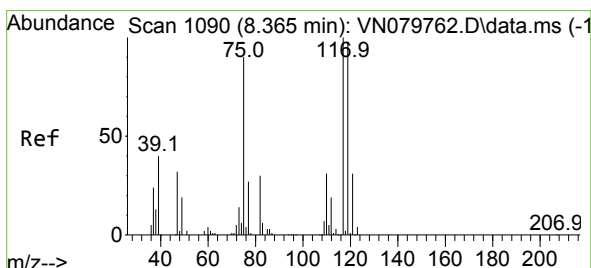
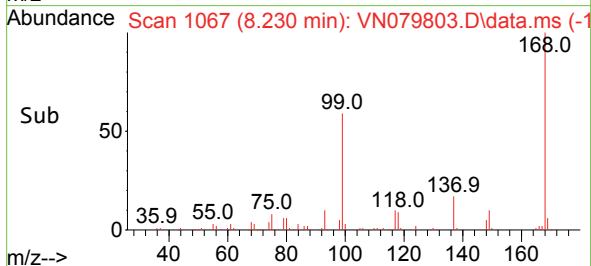
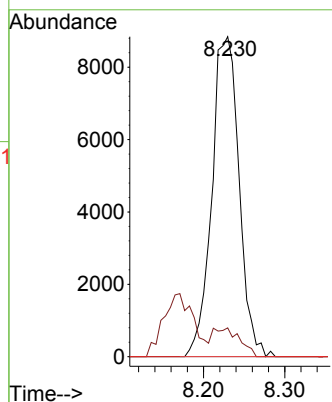
MSVOA_N

ClientSampleId :

BP-VPB-188-GW-300-302



Tgt Ion: 75	Resp: 20604
Ion Ratio	Lower Upper
75	100
110	8.7 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.295 ug/l

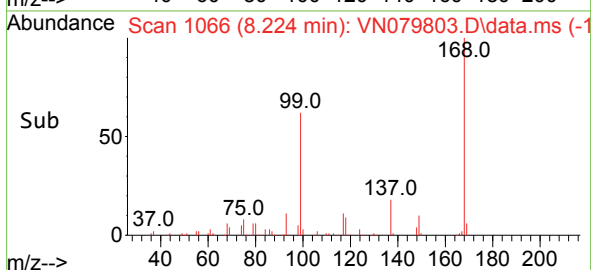
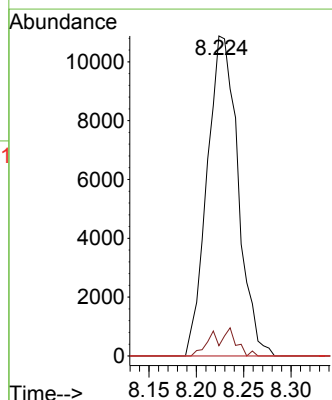
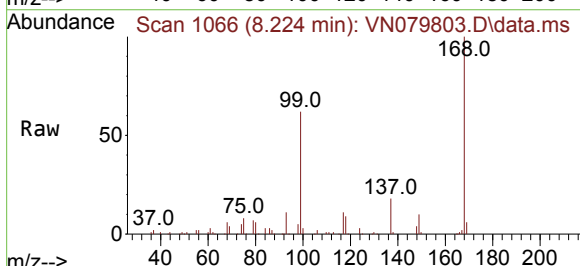
RT: 8.224 min Scan# 1066

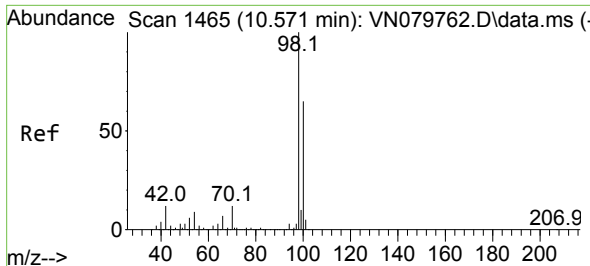
Delta R.T. -0.135 min

Lab File: VN079803.D

Acq: 02 Nov 2023 17:34

Tgt Ion: 117	Resp: 24677
Ion Ratio	Lower Upper
117	100
119	3.2 77.3 115.9#
121	0.0 23.3 34.9#

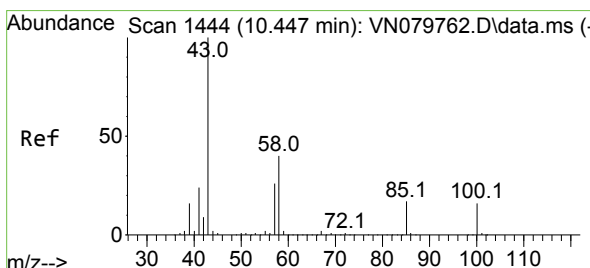
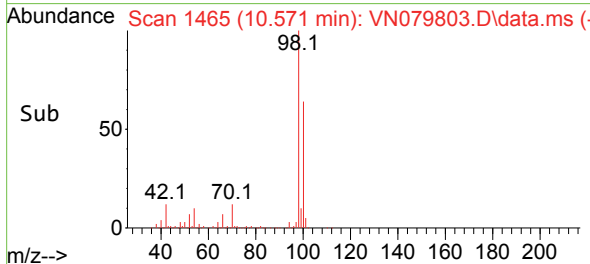
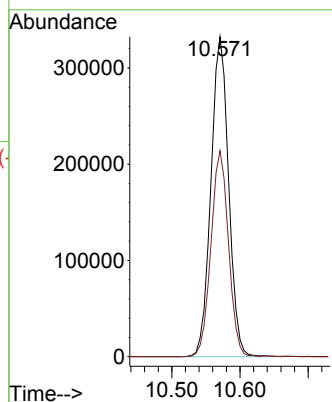
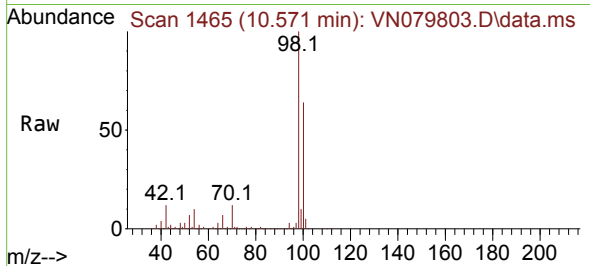




#50
Toluene-d8
Concen: 50.399 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

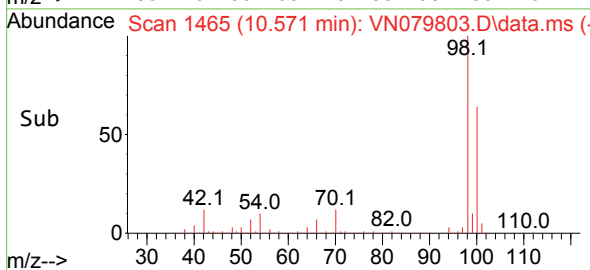
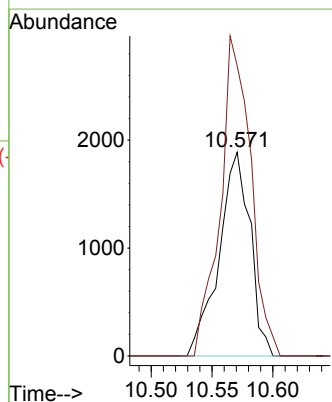
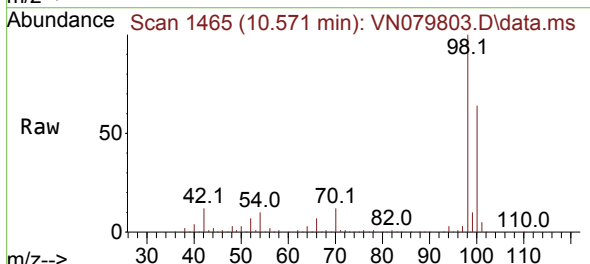
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-300-302

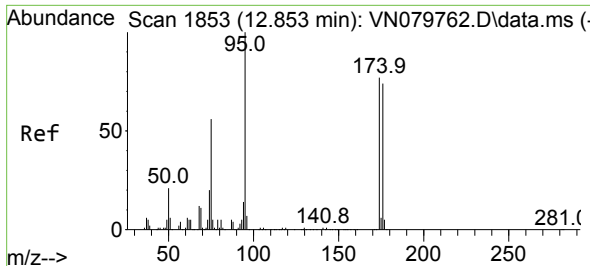
Tgt Ion: 98 Resp: 600915
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.804 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
58 153.6 36.6 54.8#

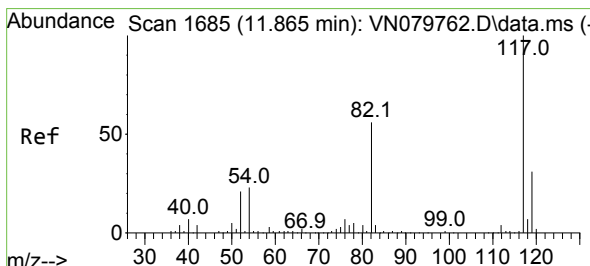
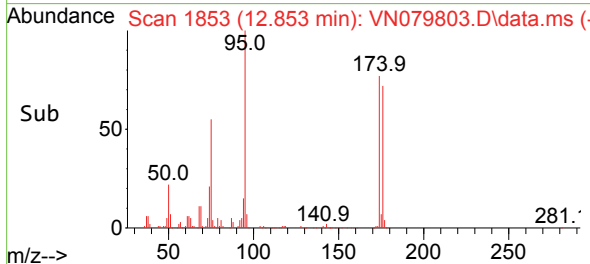
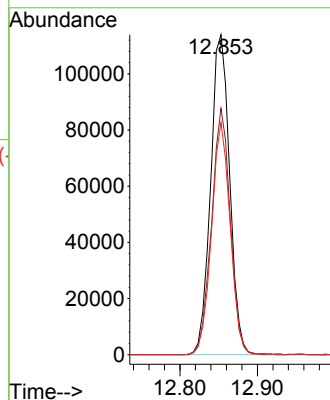
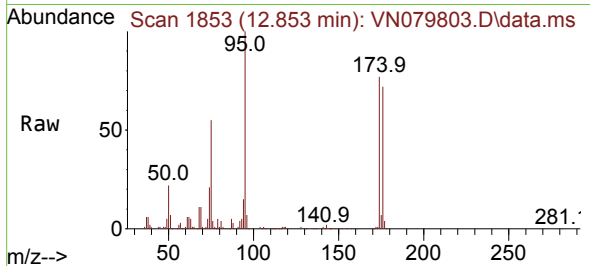




#62
4-Bromofluorobenzene
Concen: 49.084 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

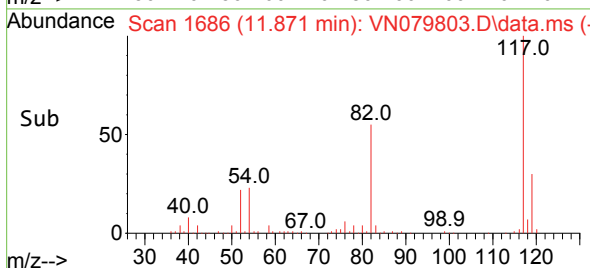
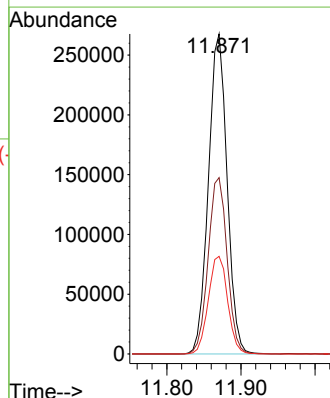
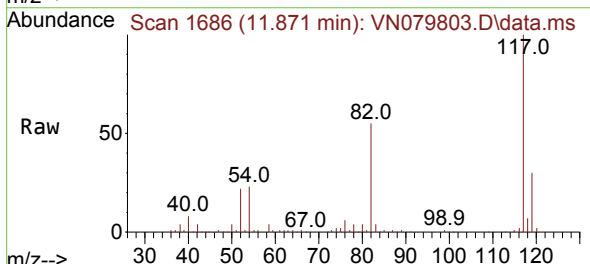
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-188-GW-300-302

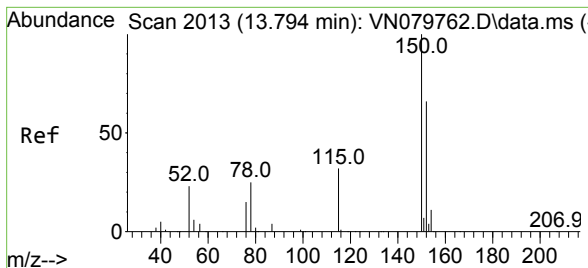
Tgt Ion: 95 Resp: 194095
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 70.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079803.D
Acq: 02 Nov 2023 17:34

Tgt Ion: 117 Resp: 467721
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 30.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079803.D

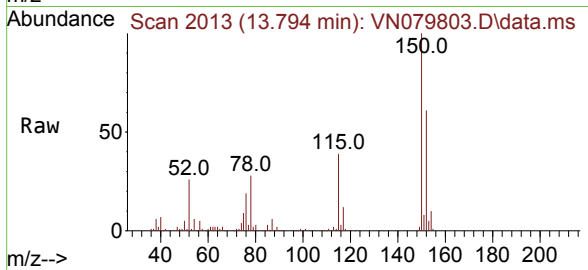
Acq: 02 Nov 2023 17:34

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-188-GW-300-302



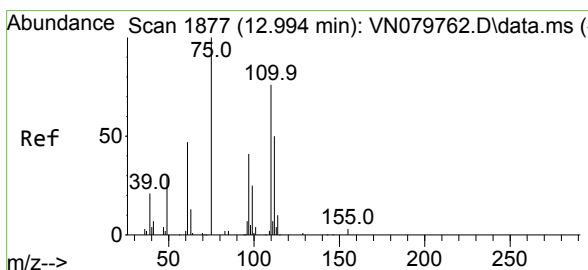
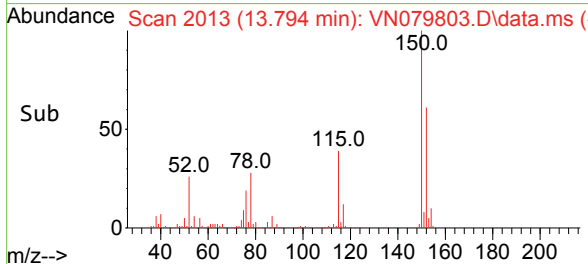
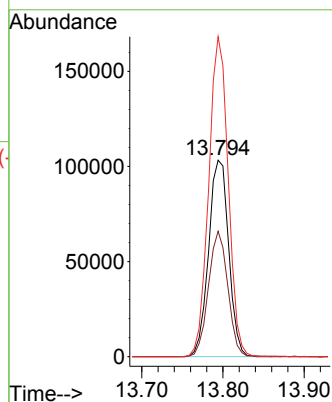
Tgt Ion:152 Resp: 177606

Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 157.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.087 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079803.D

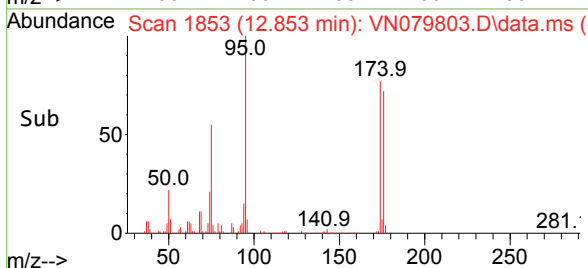
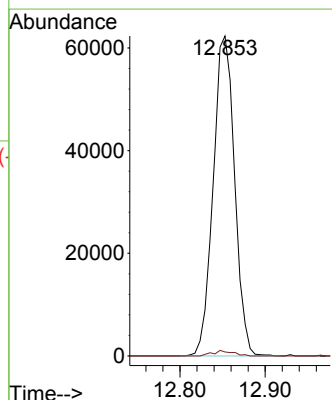
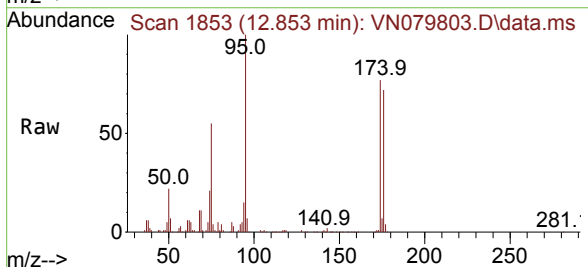
Acq: 02 Nov 2023 17:34

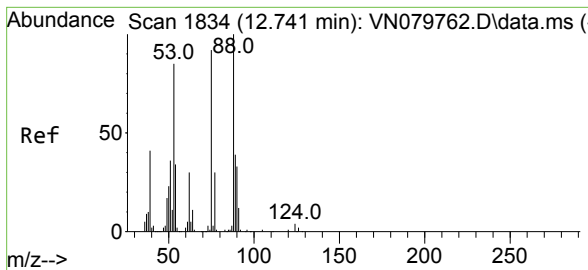
Tgt Ion: 75 Resp: 108773

Ion Ratio Lower Upper

75 100

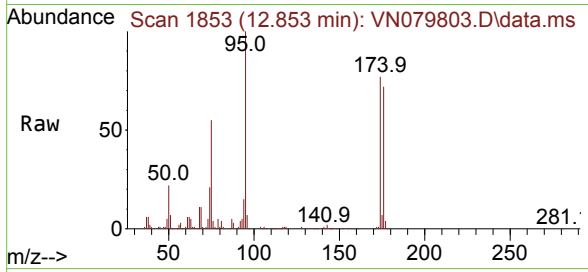
77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.976 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079803.D
 Acq: 02 Nov 2023 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-188-GW-300-302



Tgt Ion: 75 Resp: 108773
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

