

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090123\
 Data File : VN079126.D
 Acq On : 01 Sep 2023 16:34
 Operator : JC\MD
 Sample : 04232-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-5

Quant Time: Sep 01 23:15:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

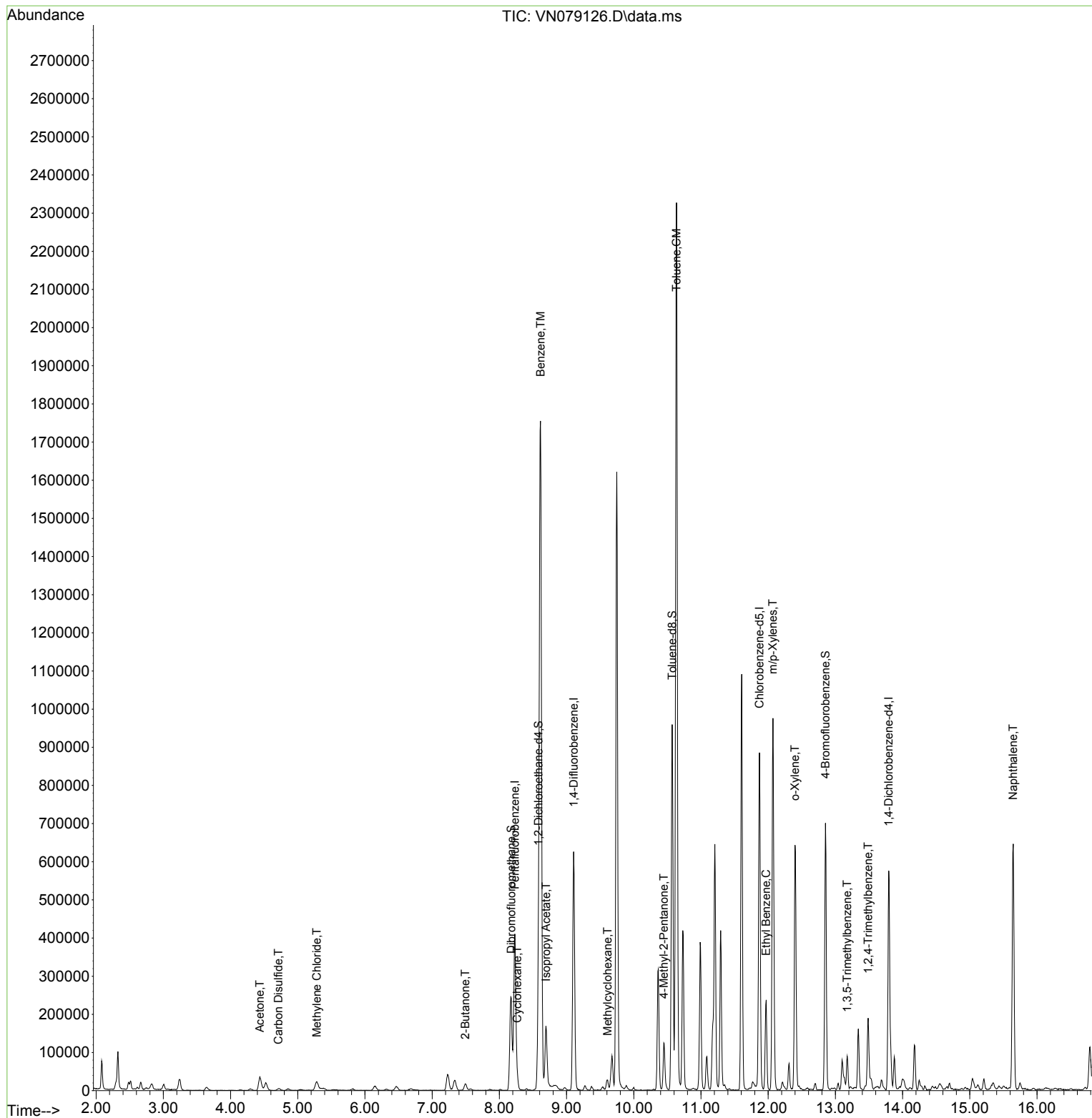
Internal Standards						
1) Pentafluorobenzene	8.229	168	293660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	536313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	520734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	207632	45.438	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.880%			
35) Dibromofluoromethane	8.177	113	181959	50.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.571	98	661000	49.310	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.620%			
62) 4-Bromofluorobenzene	12.853	95	243305	55.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.060%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	64540	34.230	ug/l	99
17) Carbon Disulfide	4.712	76	9798	1.110	ug/l #	89
20) Methylene Chloride	5.283	84	18038	4.489	ug/l	89
25) 2-Butanone	7.494	43	29931	9.901	ug/l	88
31) Cyclohexane	8.265	56	25734	1.978	ug/l #	82
39) Methylcyclohexane	9.612	83	11399	2.282	ug/l #	92
40) Benzene	8.612	78	1836528	114.413	ug/l	100
43) Isopropyl Acetate	8.694	43	197221	18.364	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	88301	13.863	ug/l	89
52) Toluene	10.635	92	1034127	104.933	ug/l	98
67) Ethyl Benzene	11.970	91	164937	8.182	ug/l	92
68) m/p-Xylenes	12.070	106	303843	40.316	ug/l	94
69) o-Xylene	12.400	106	174001	23.734	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	48203	4.586	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	112860	10.843	ug/l	97
95) Naphthalene	15.647	128	608844	81.350	ug/l	100

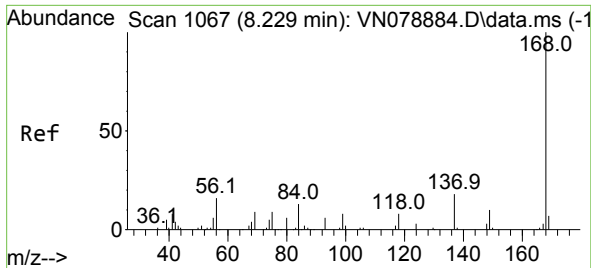
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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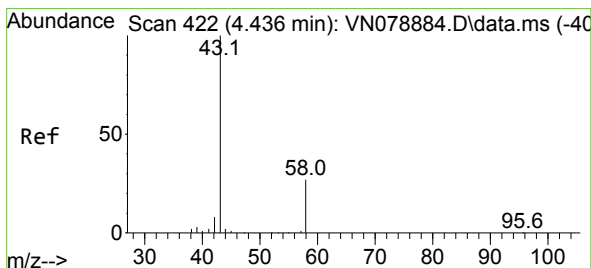
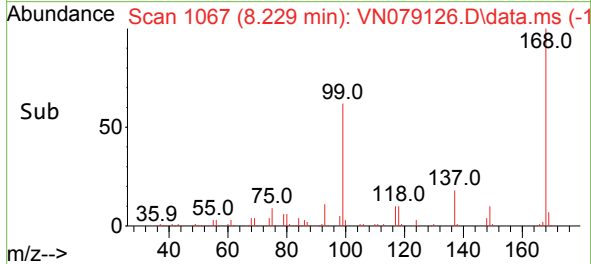
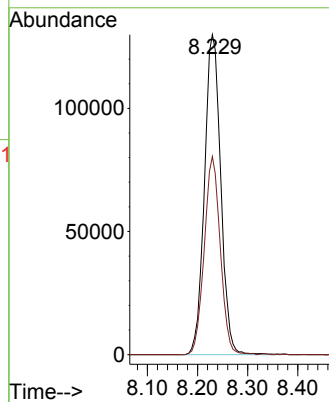
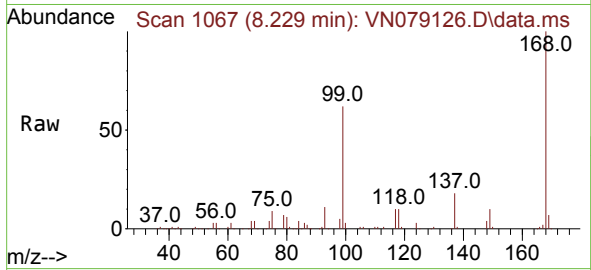




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

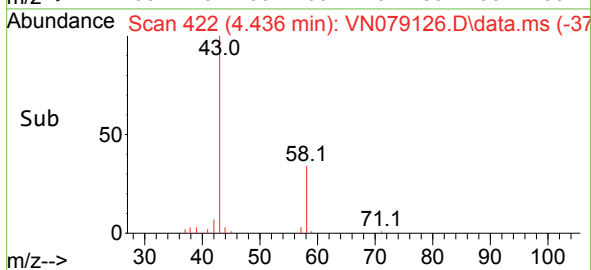
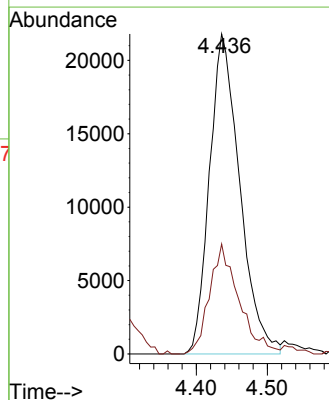
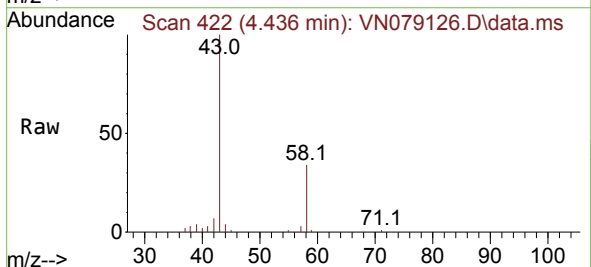
Instrument :
MSVOA_N
ClientSampleId :
SBG-5

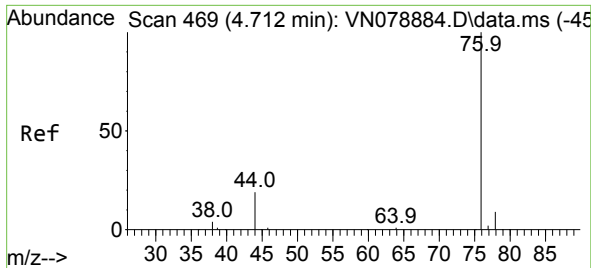
Tgt Ion:168 Resp: 293660
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#16
Acetone
Concen: 34.230 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 43 Resp: 64540
Ion Ratio Lower Upper
43 100
58 34.3 28.0 42.0

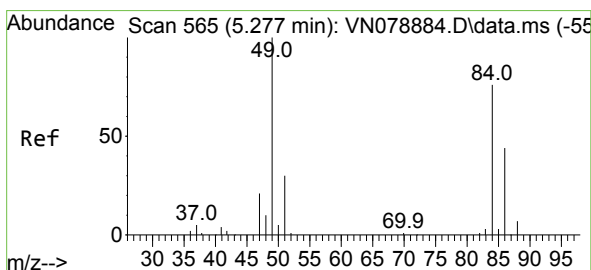
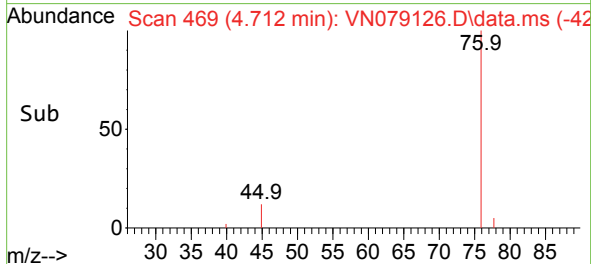
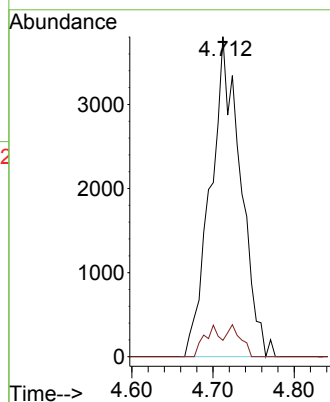
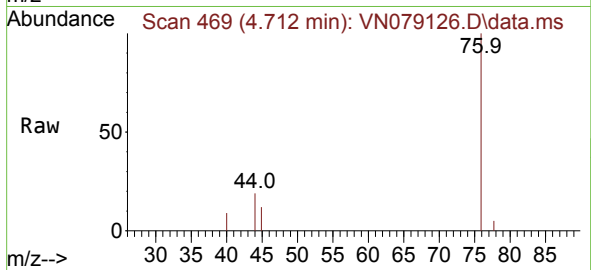




#17
Carbon Disulfide
Concen: 1.110 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.012 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

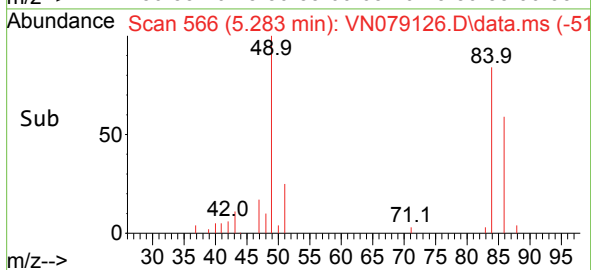
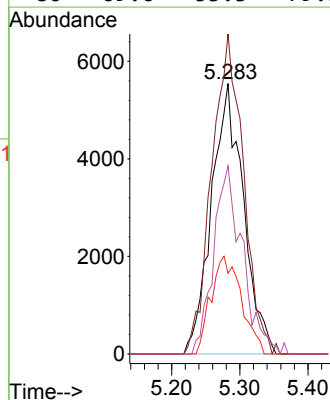
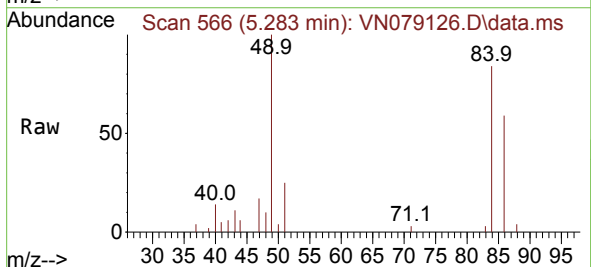
Instrument :
MSVOA_N
ClientSampleId :
SBG-5

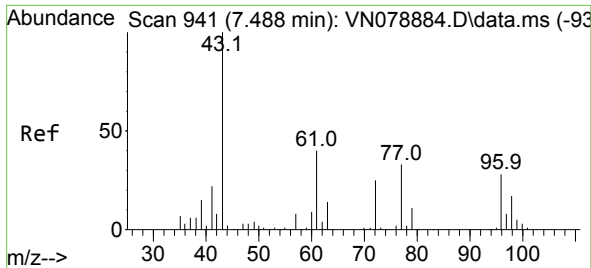
Tgt Ion: 76 Resp: 9798
Ion Ratio Lower Upper
76 100
78 5.1 7.4 11.0#



#20
Methylene Chloride
Concen: 4.489 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 84 Resp: 18038
Ion Ratio Lower Upper
84 100
49 118.4 79.7 119.5
51 29.9 25.2 37.8
86 69.6 53.3 79.9

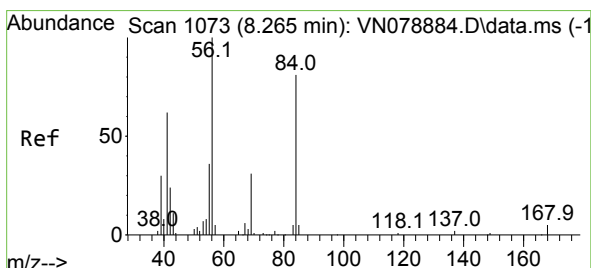
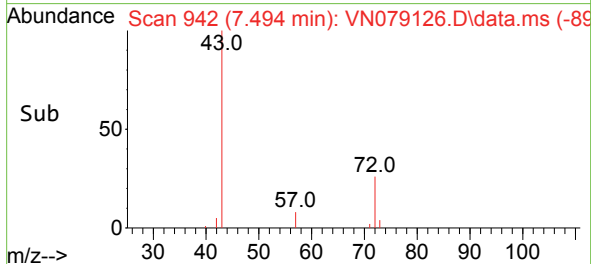
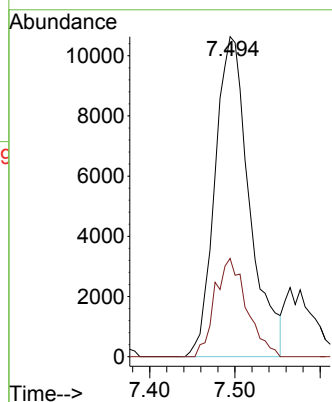
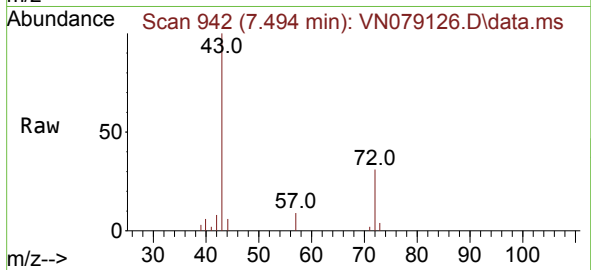




#25
2-Butanone
Concen: 9.901 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

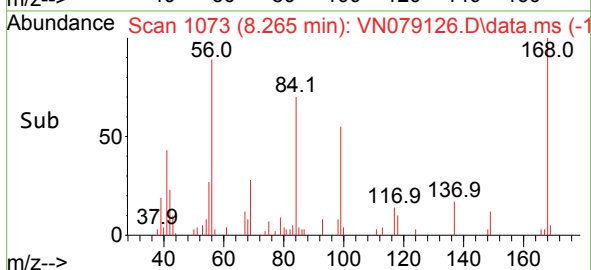
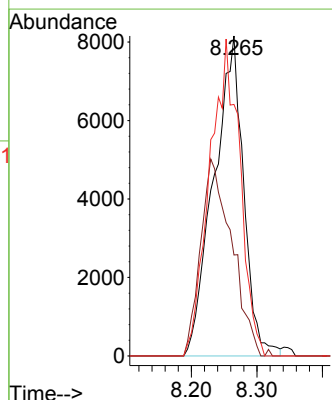
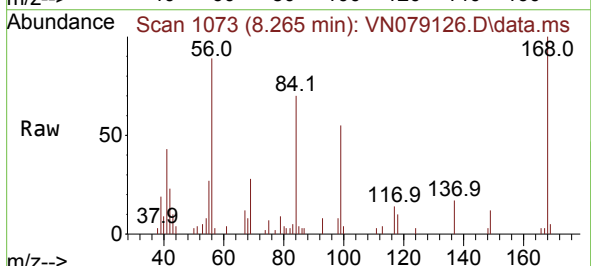
Instrument :
MSVOA_N
ClientSampleId :
SBG-5

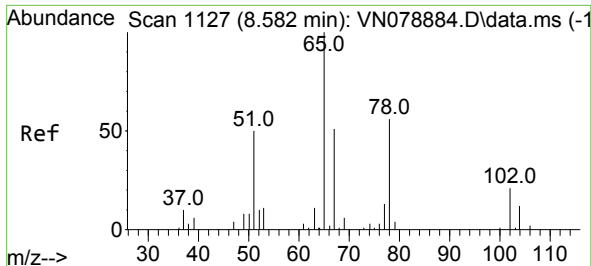
Tgt Ion: 43 Resp: 29931
Ion Ratio Lower Upper
43 100
72 30.7 30.2 45.2



#31
Cyclohexane
Concen: 1.978 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 56 Resp: 25734
Ion Ratio Lower Upper
56 100
69 31.5 26.8 40.2
84 78.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.438 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

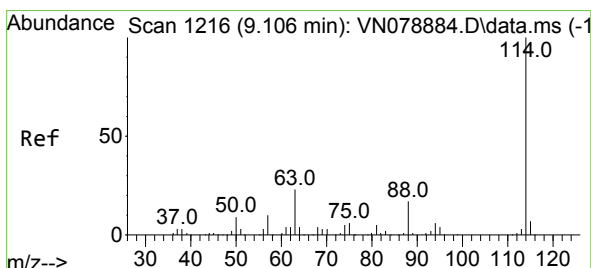
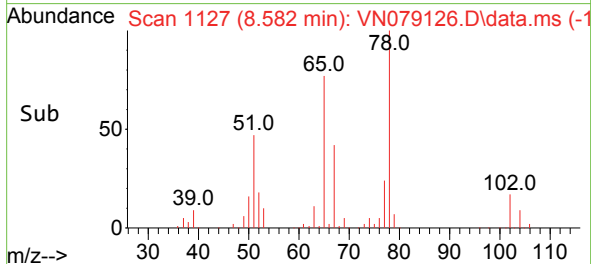
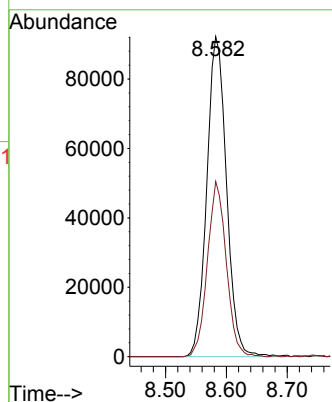
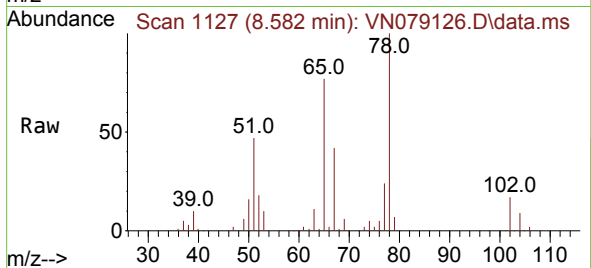
SBG-5

Tgt Ion: 65 Resp: 207632

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

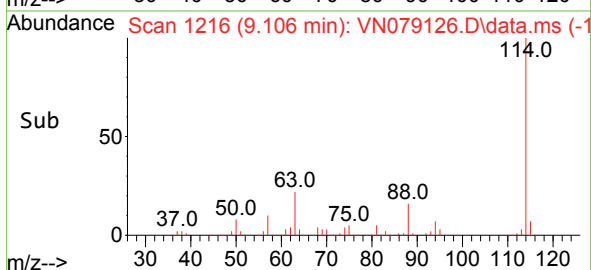
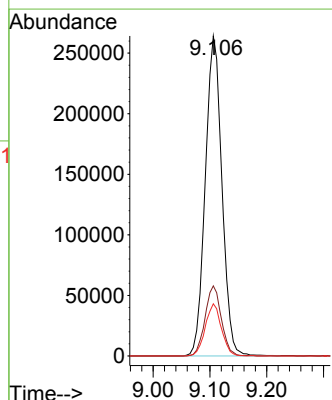
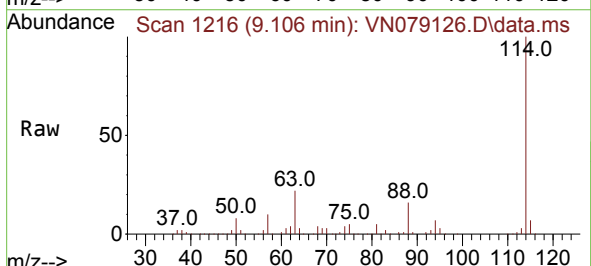
Tgt Ion: 114 Resp: 536313

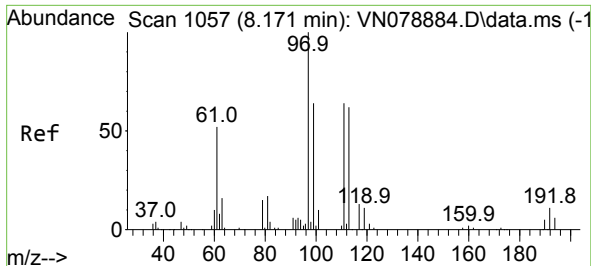
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 16.3 0.0 30.6

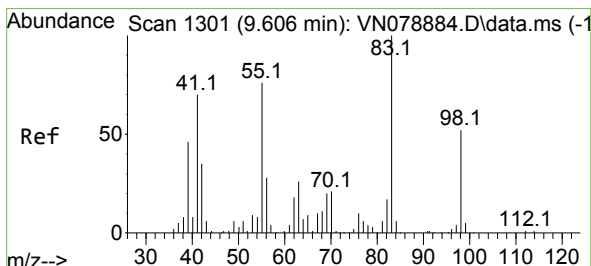
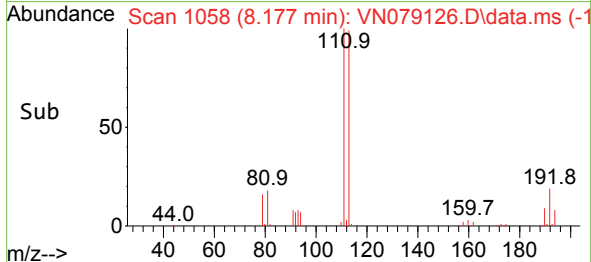
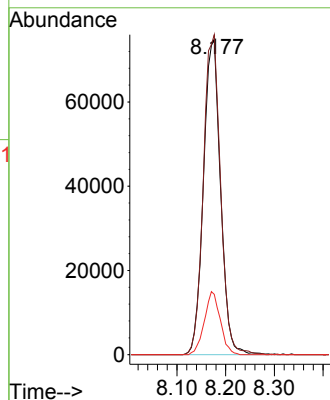
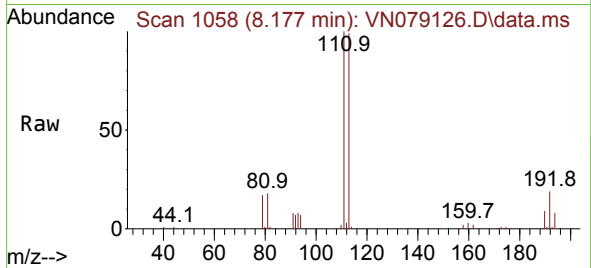




#35
Dibromofluoromethane
Concen: 50.402 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

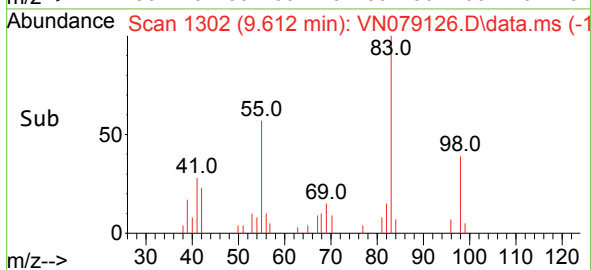
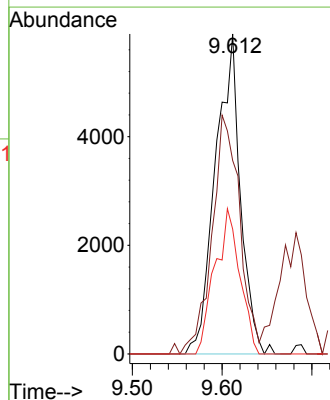
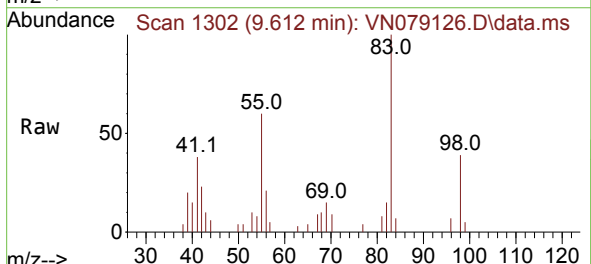
Instrument :
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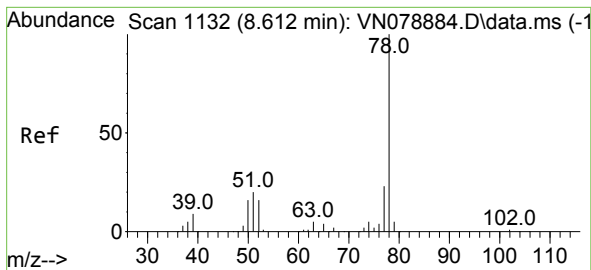
Tgt Ion: 113 Resp: 181959
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 18.7 12.7 19.1



#39
Methylcyclohexane
Concen: 2.282 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 83 Resp: 11399
Ion Ratio Lower Upper
83 100
55 60.5 49.1 73.7
98 39.0 40.6 61.0#





#40

Benzene

Concen: 114.413 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

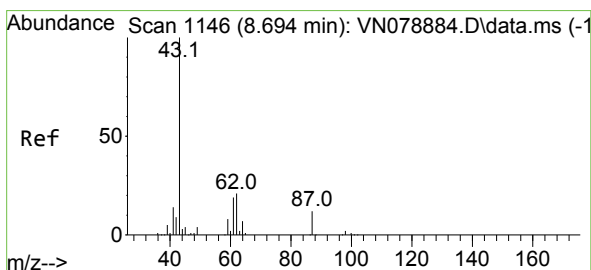
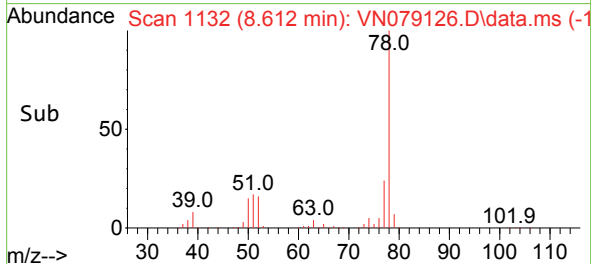
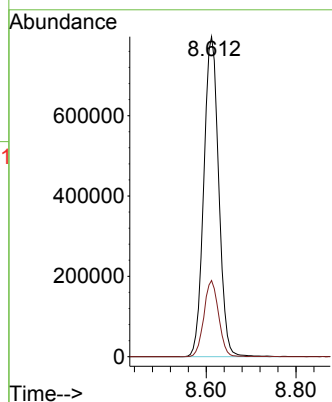
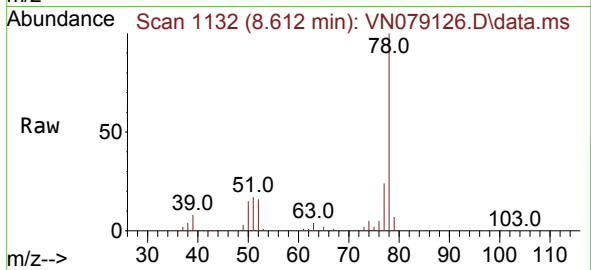
SBG-5

Tgt Ion: 78 Resp: 1836528

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



#43

Isopropyl Acetate

Concen: 18.364 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

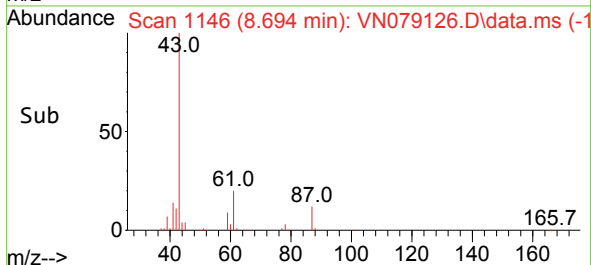
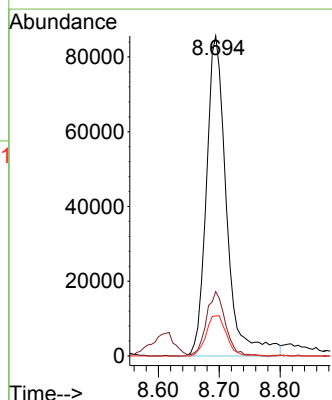
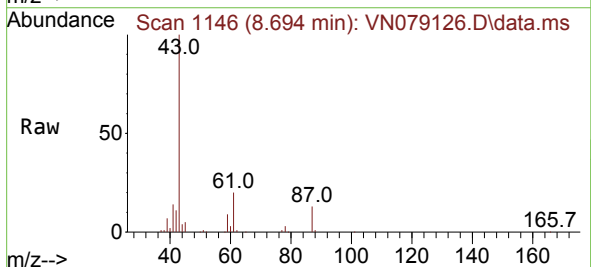
Tgt Ion: 43 Resp: 197221

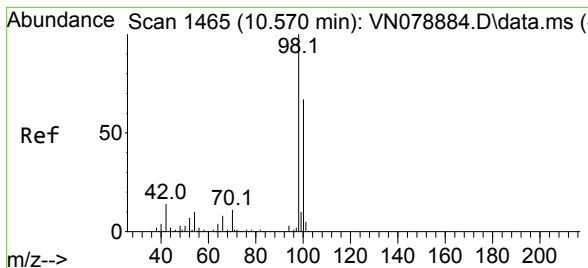
Ion Ratio Lower Upper

43 100

61 18.9 24.7 37.1#

87 12.6 14.6 21.8#

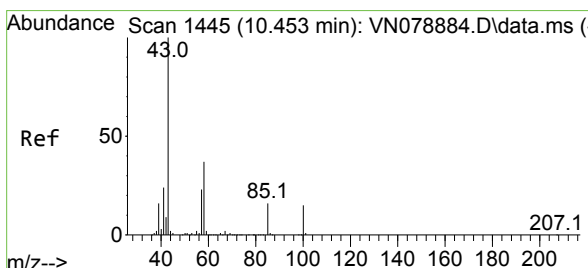
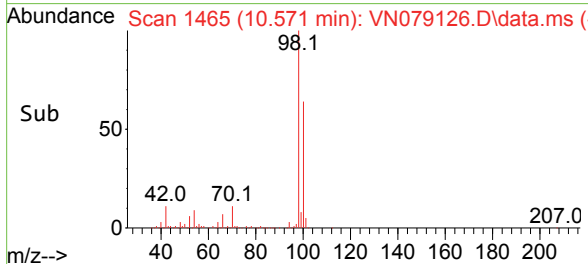
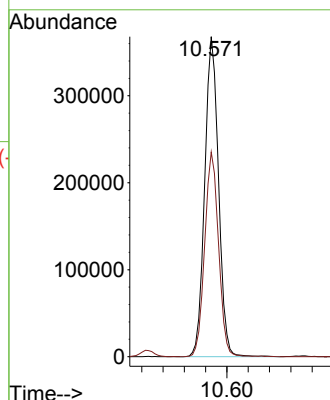
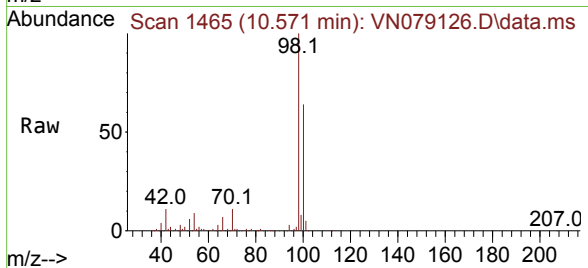




#50
Toluene-d8
Concen: 49.310 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

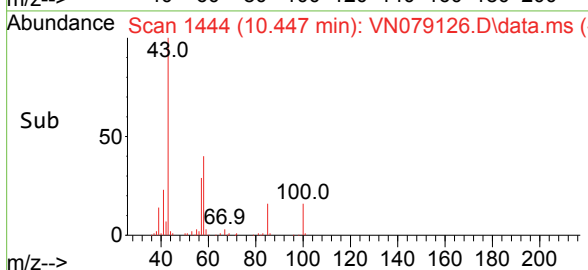
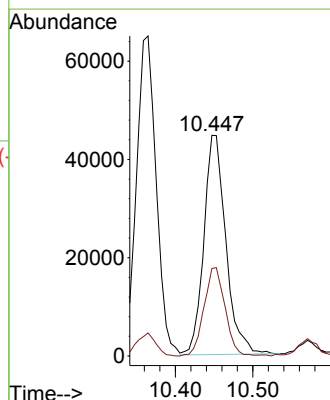
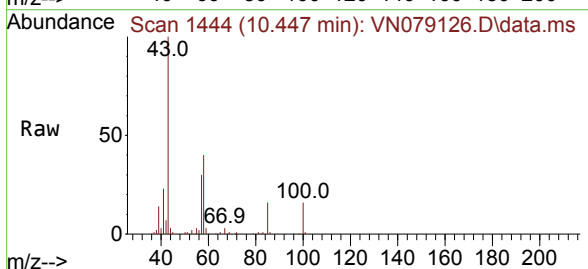
Instrument :
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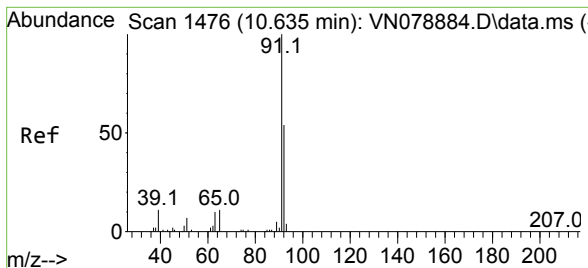
Tgt Ion: 98 Resp: 661000
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 13.863 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 43 Resp: 88301
Ion Ratio Lower Upper
43 100
58 38.6 36.6 54.8





#52

Toluene

Concen: 104.933 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

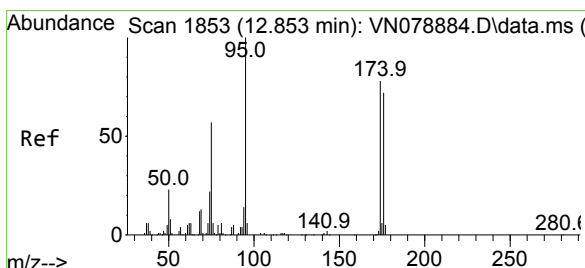
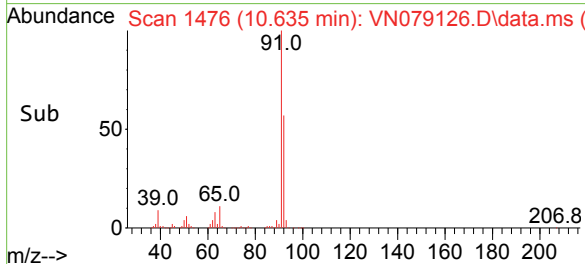
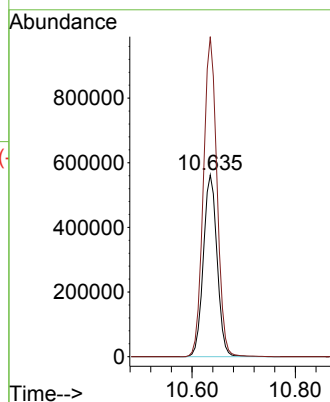
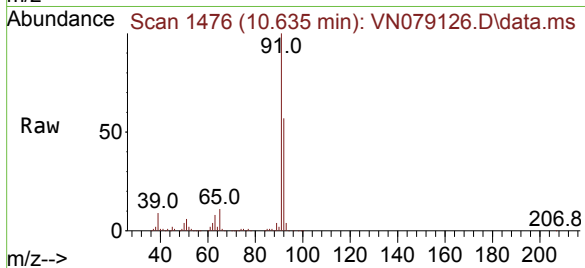
SBG-5

Tgt Ion: 92 Resp: 1034127

Ion Ratio Lower Upper

92 100

91 174.6 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 55.530 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

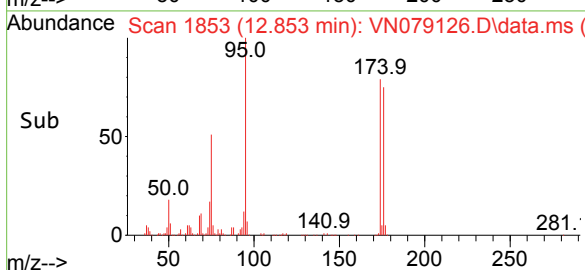
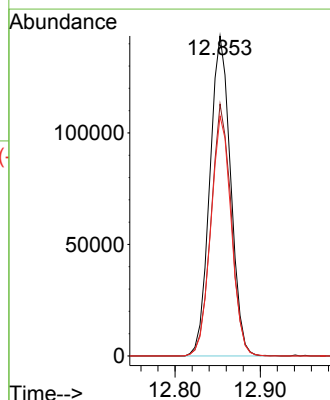
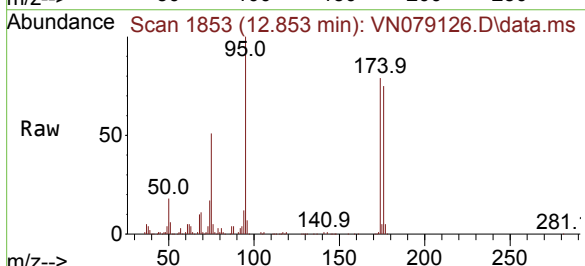
Tgt Ion: 95 Resp: 243305

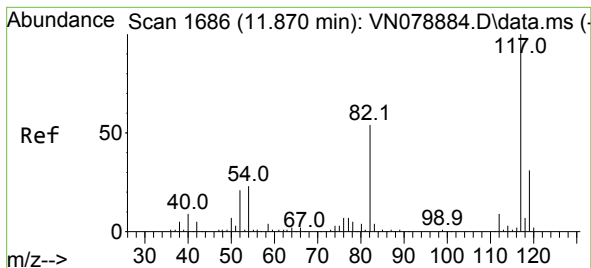
Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.8

176 73.6 0.0 135.8

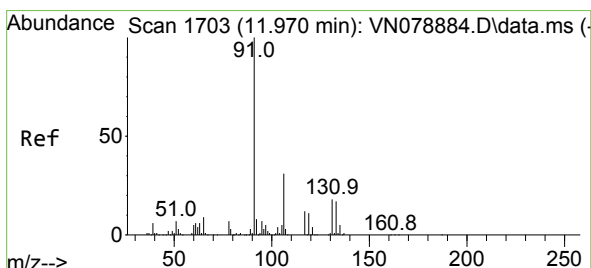
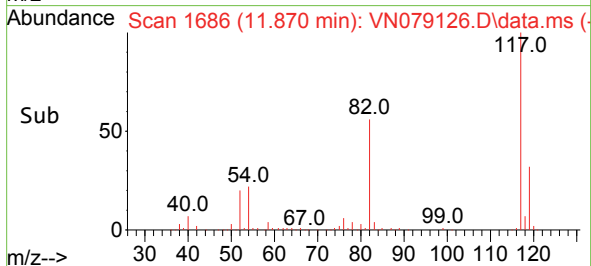
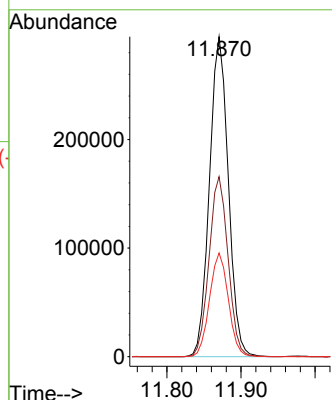
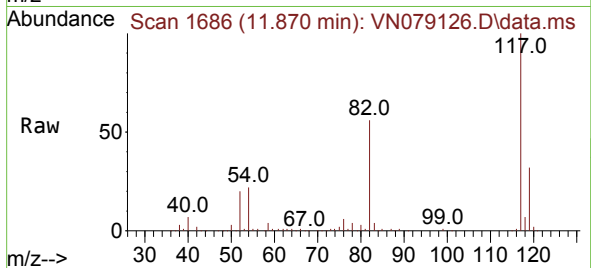




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

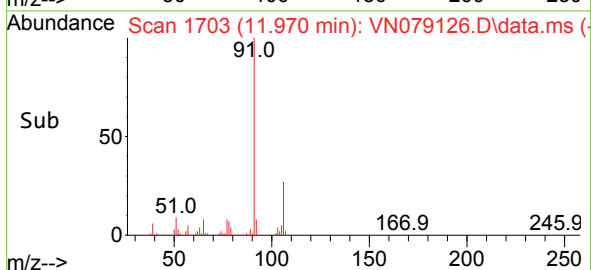
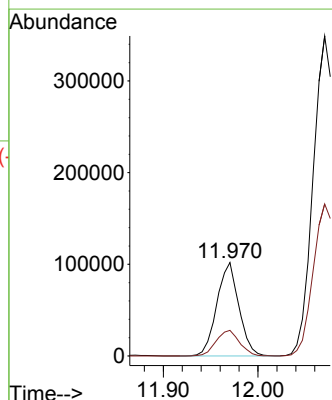
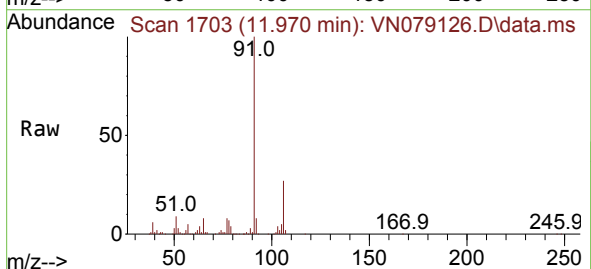
Instrument :
MSVOA_N
ClientSampleId :
SBG-5

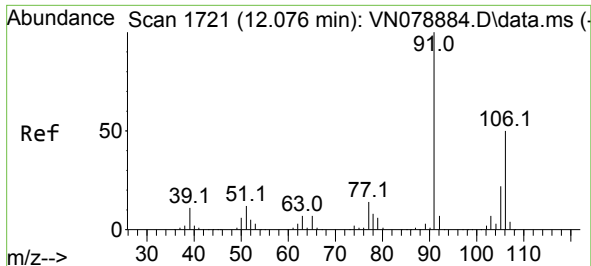
Tgt Ion:117 Resp: 520734
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 32.4 25.6 38.4



#67
Ethyl Benzene
Concen: 8.182 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion: 91 Resp: 164937
Ion Ratio Lower Upper
91 100
106 27.4 25.6 38.4

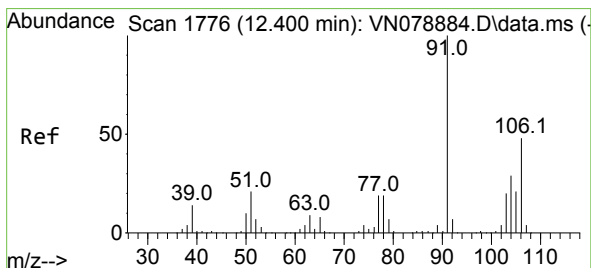
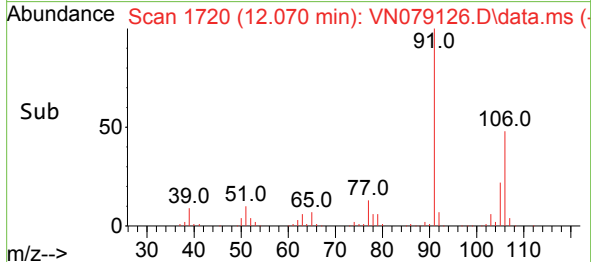
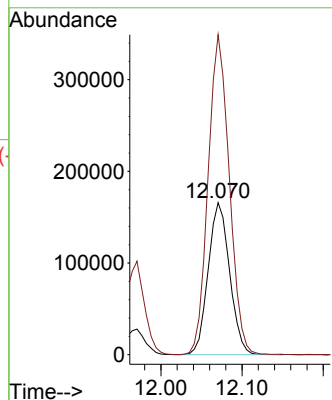
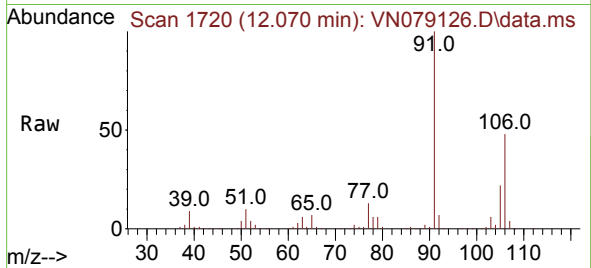




#68
m/p-Xylenes
Concen: 40.316 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

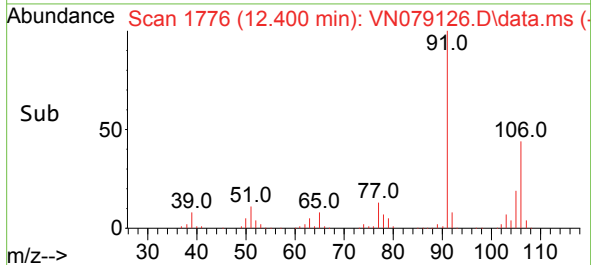
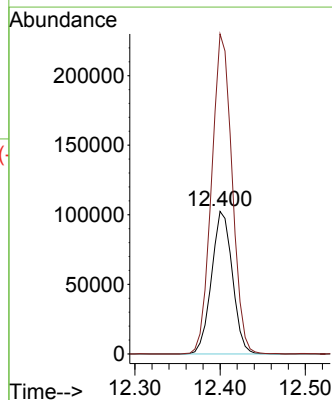
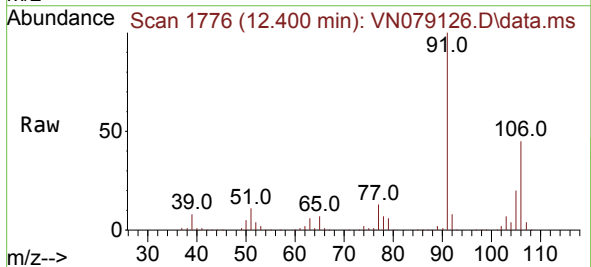
Instrument :
MSVOA_N
ClientSampleId :
SBG-5

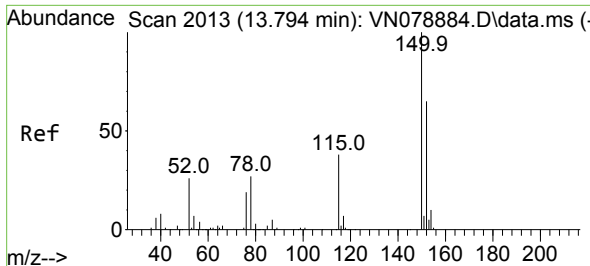
Tgt Ion:106 Resp: 303843
Ion Ratio Lower Upper
106 100
91 208.0 159.6 239.4



#69
o-Xylene
Concen: 23.734 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN079126.D
Acq: 01 Sep 2023 16:34

Tgt Ion:106 Resp: 174001
Ion Ratio Lower Upper
106 100
91 221.2 105.2 315.5

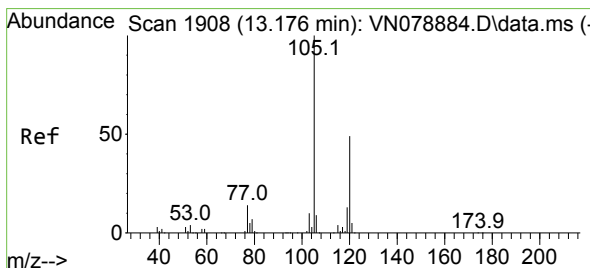
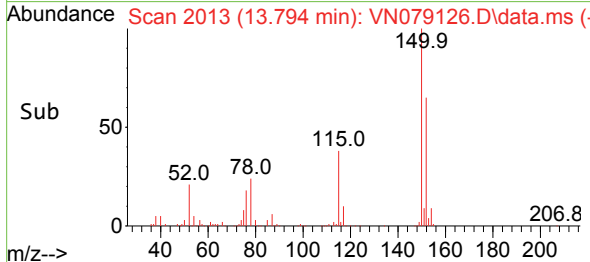
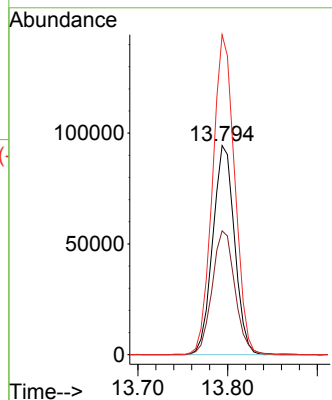
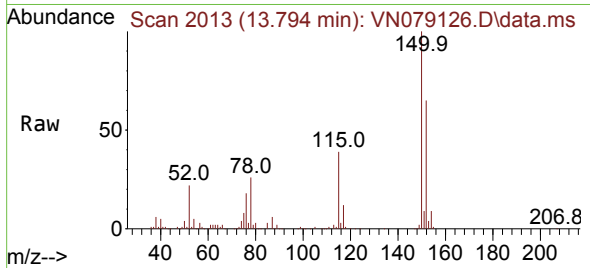




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN079126.D
 Acq: 01 Sep 2023 16:34

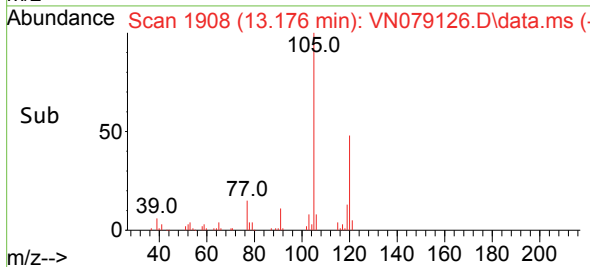
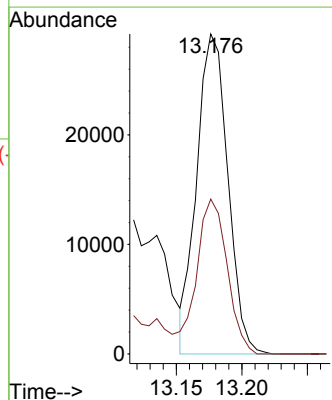
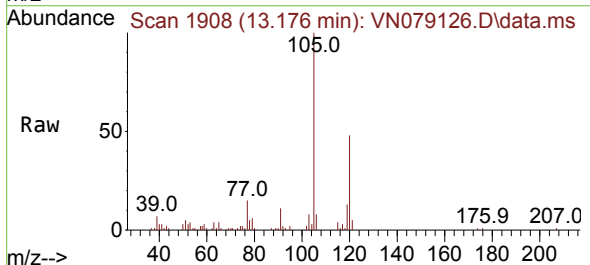
Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-5

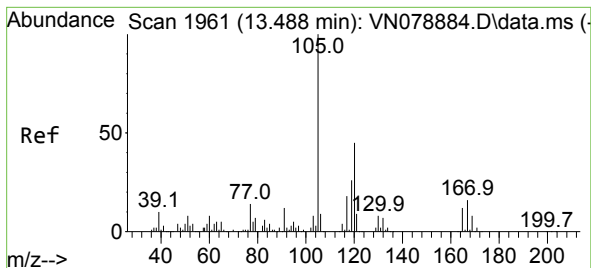
Tgt Ion:152 Resp: 159082
 Ion Ratio Lower Upper
 152 100
 115 62.5 32.3 96.8
 150 155.7 0.0 355.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.586 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079126.D
 Acq: 01 Sep 2023 16:34

Tgt Ion:105 Resp: 48203
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 10.843 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

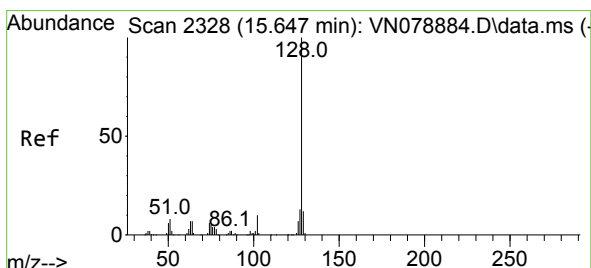
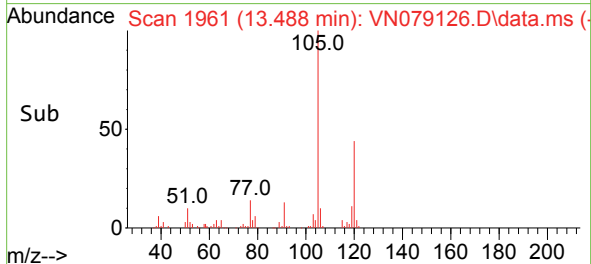
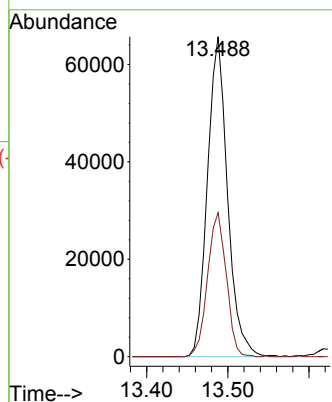
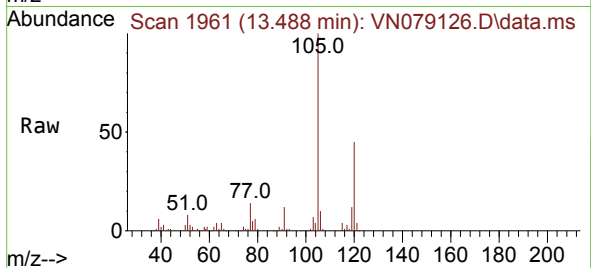
SBG-5

Tgt Ion:105 Resp: 112860

Ion Ratio Lower Upper

105 100

120 41.9 22.0 66.0



#95

Naphthalene

Concen: 81.350 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079126.D

Acq: 01 Sep 2023 16:34

Tgt Ion:128 Resp: 608844

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

129 10.8 8.7 13.1

