

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090123\
 Data File : VN079129.D
 Acq On : 01 Sep 2023 17:47
 Operator : JC\MD
 Sample : 04232-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-8

Quant Time: Sep 01 23:17:34 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)

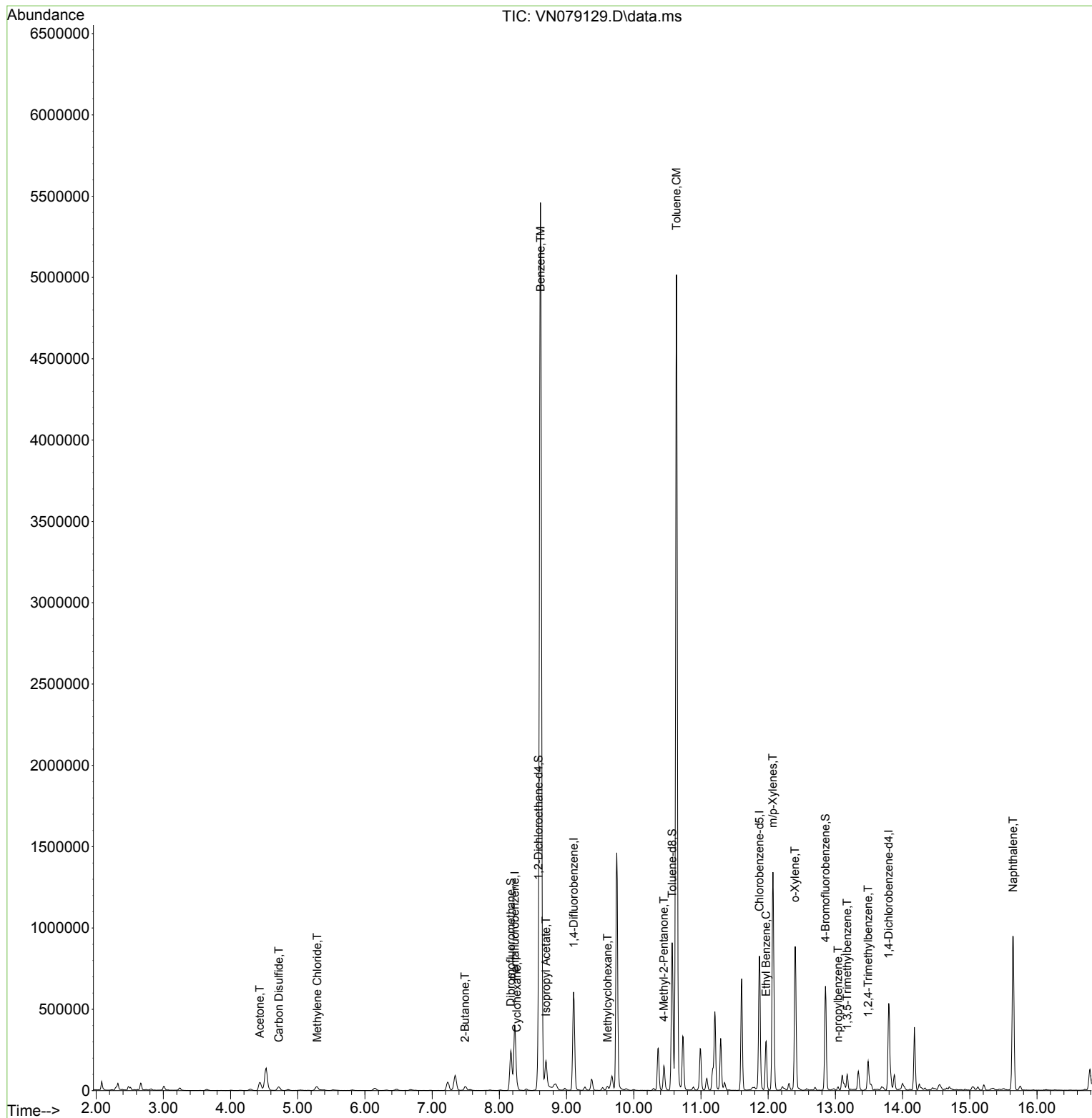
Internal Standards						
1) Pentafluorobenzene	8.230	168	290175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	525050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	489163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206041	45.631	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.260%
35) Dibromofluoromethane	8.171	113	177034	50.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.180%
50) Toluene-d8	10.571	98	633022	48.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.480%
62) 4-Bromofluorobenzene	12.853	95	223970	52.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.420%
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	97385	52.270	ug/l	92
17) Carbon Disulfide	4.718	76	49637	5.692	ug/l	99
20) Methylene Chloride	5.289	84	18650	4.697	ug/l #	88
25) 2-Butanone	7.488	43	44994	15.063	ug/l #	72
31) Cyclohexane	8.259	56	20643	1.081	ug/l #	78
39) Methylcyclohexane	9.612	83	9914	2.028	ug/l	91
40) Benzene	8.612	78	5679346	361.406	ug/l	100
43) Isopropyl Acetate	8.694	43	206096	19.602	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	106055	17.007	ug/l	91
52) Toluene	10.635	92	2195437	227.549	ug/l	98
67) Ethyl Benzene	11.970	91	220083	11.623	ug/l	96
68) m/p-Xylenes	12.070	106	424665	59.985	ug/l	95
69) o-Xylene	12.400	106	236783	34.382	ug/l	94
78) n-propylbenzene	13.041	91	15953	1.109	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	50187	5.107	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	108986	11.200	ug/l	95
95) Naphthalene	15.647	128	892167	126.049	ug/l	100

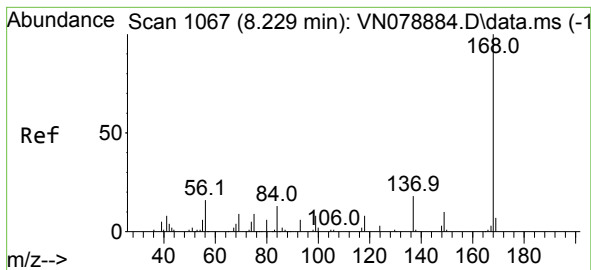
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

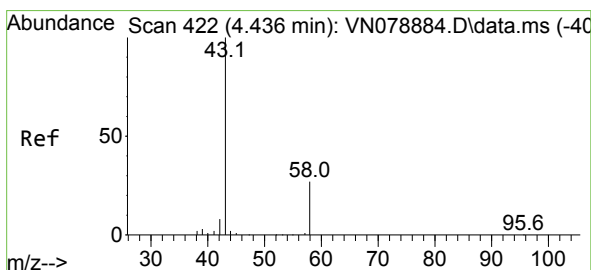
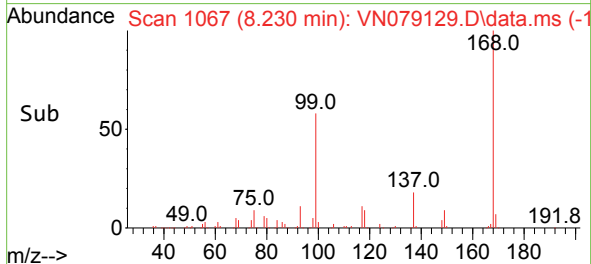
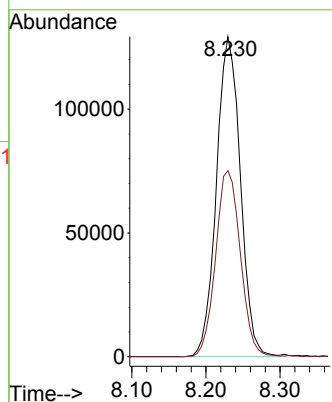
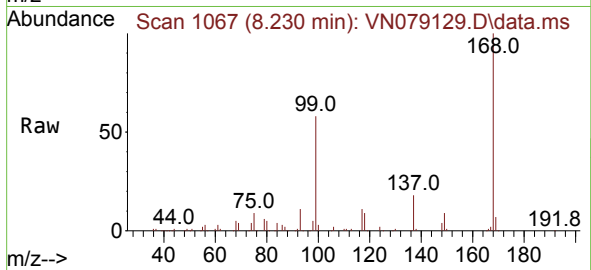




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

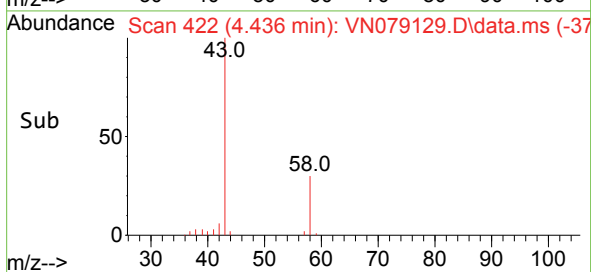
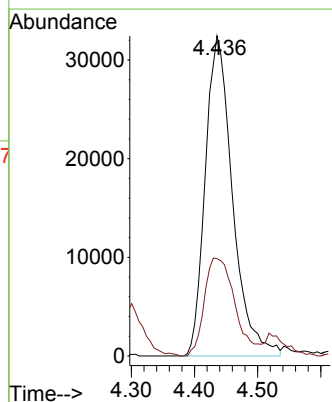
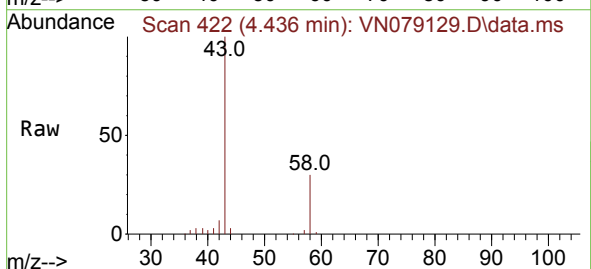
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

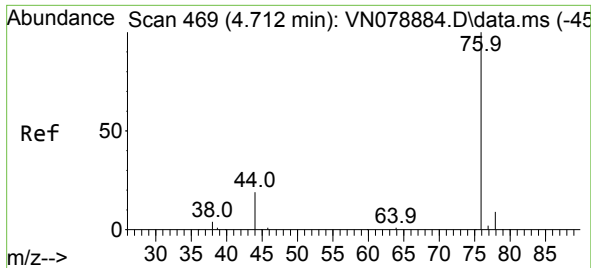
Tgt Ion:168 Resp: 290175
Ion Ratio Lower Upper
168 100
99 58.1 53.0 79.6



#16
Acetone
Concen: 52.270 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 43 Resp: 97385
Ion Ratio Lower Upper
43 100
58 30.4 28.0 42.0

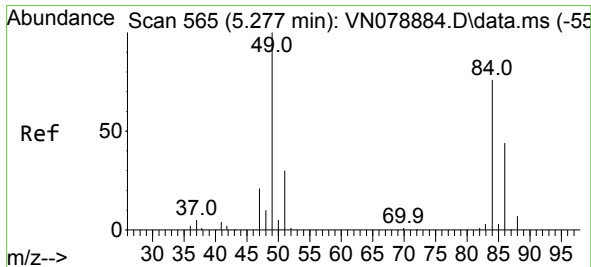
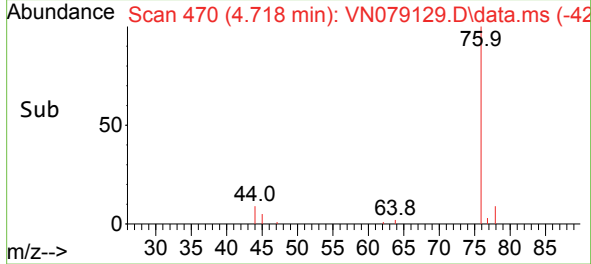
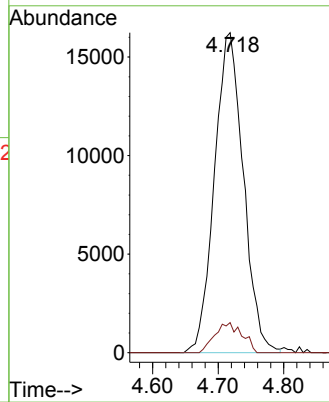
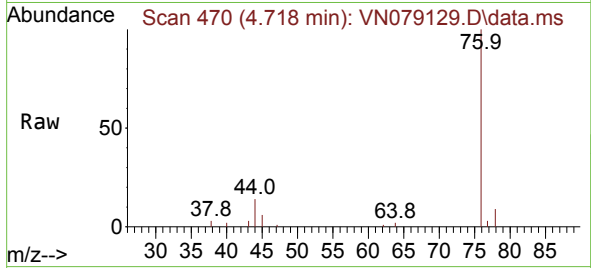




#17
Carbon Disulfide
Concen: 5.692 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

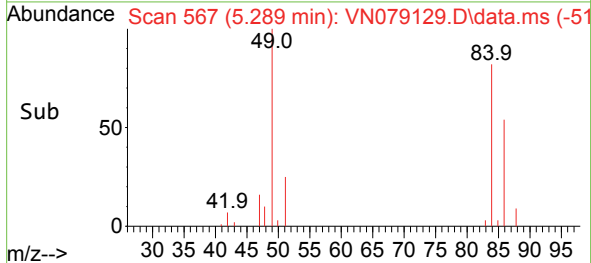
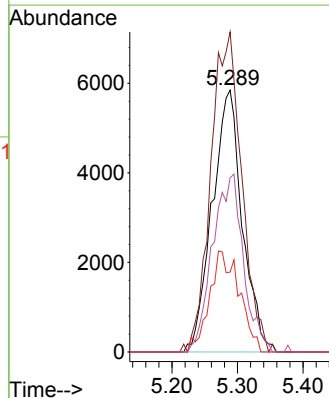
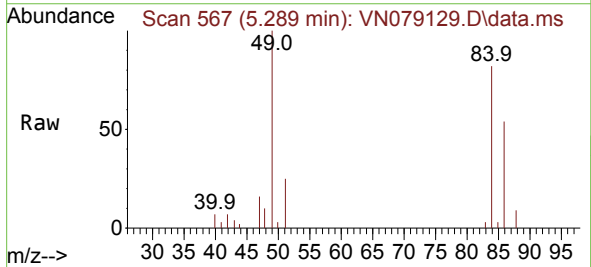
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

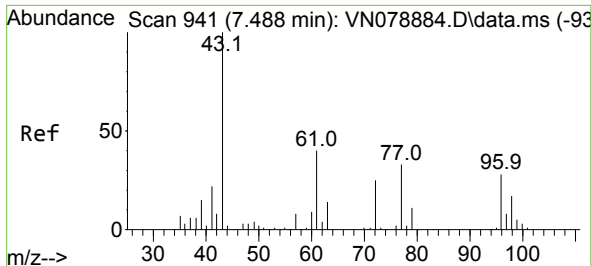
Tgt Ion: 76 Resp: 49637
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#20
Methylene Chloride
Concen: 4.697 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 84 Resp: 18650
Ion Ratio Lower Upper
84 100
49 122.3 79.7 119.5#
51 30.5 25.2 37.8
86 66.6 53.3 79.9

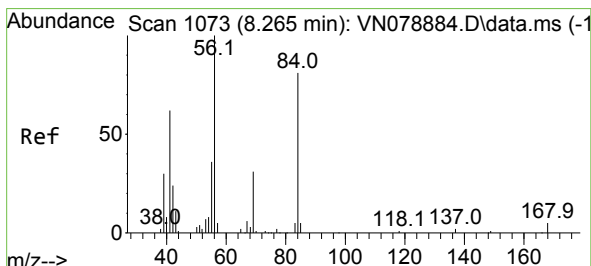
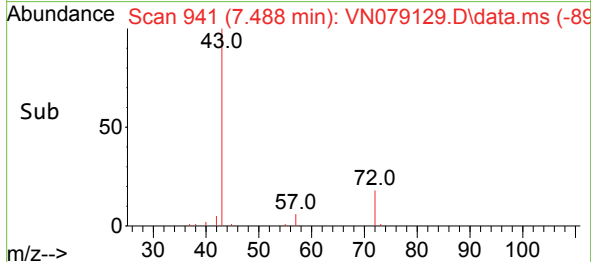
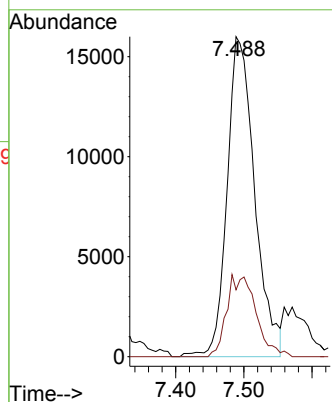
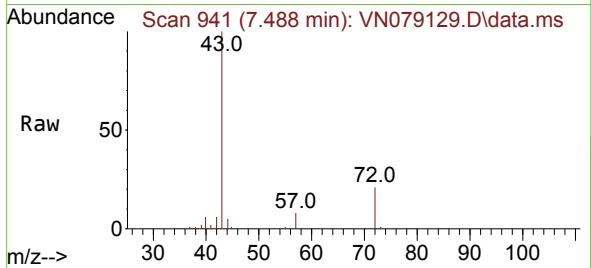




#25
2-Butanone
Concen: 15.063 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

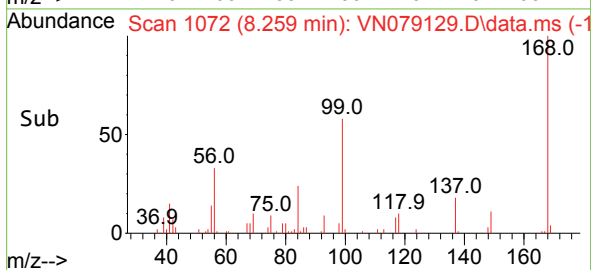
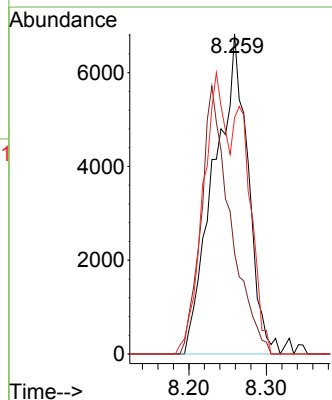
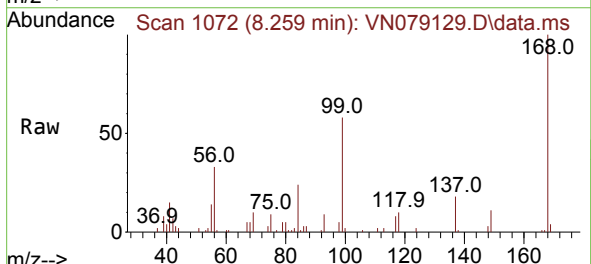
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

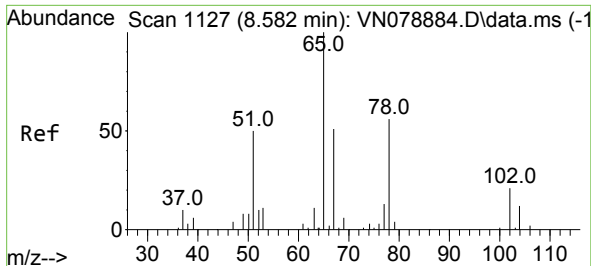
Tgt Ion: 43 Resp: 44994
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 56 Resp: 20643
Ion Ratio Lower Upper
56 100
69 31.5 26.8 40.2
84 73.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.631 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079129.D

Acq: 01 Sep 2023 17:47

Instrument :

MSVOA_N

ClientSampleId :

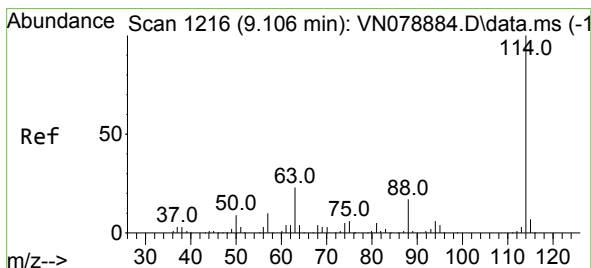
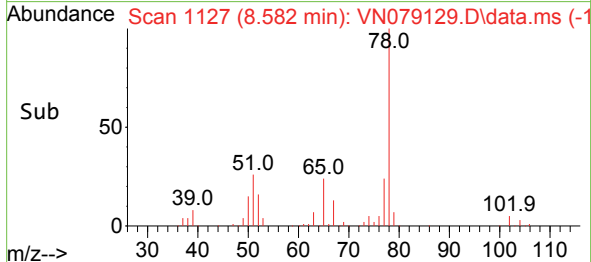
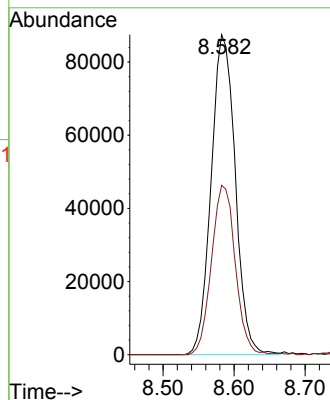
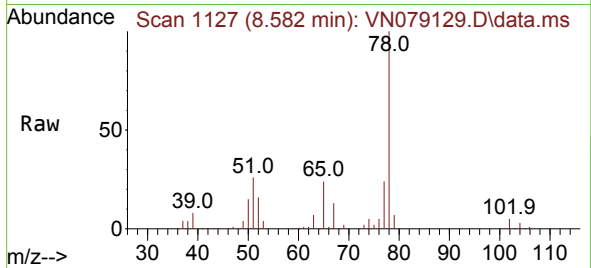
SBG-8

Tgt Ion: 65 Resp: 206041

Ion Ratio Lower Upper

65 100

67 52.5 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: VN079129.D

Acq: 01 Sep 2023 17:47

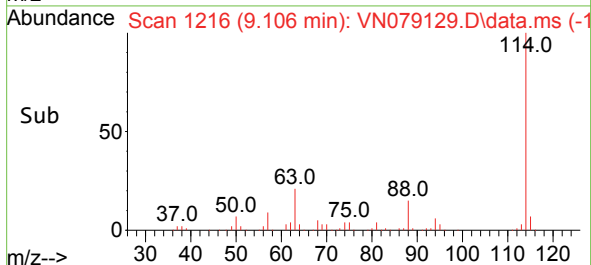
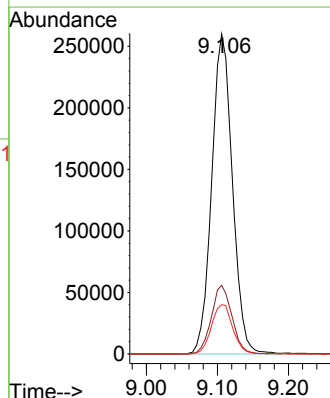
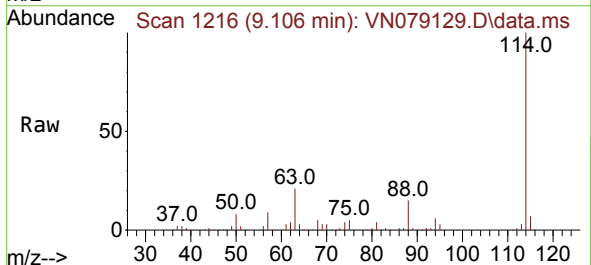
Tgt Ion: 114 Resp: 525050

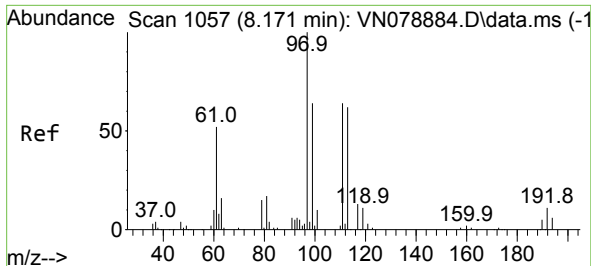
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.089 ug/l

RT: 8.171 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN079129.D

Acq: 01 Sep 2023 17:47

Instrument :

MSVOA_N

ClientSampleId :

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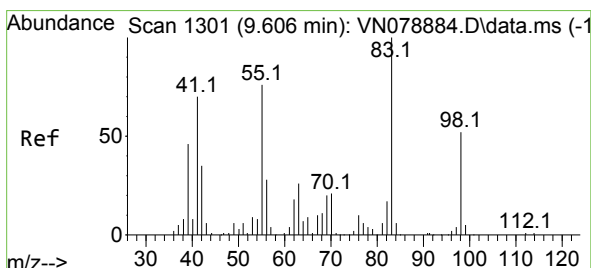
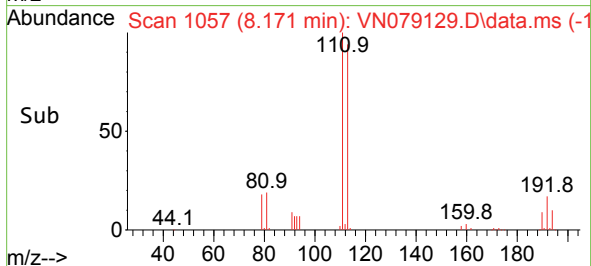
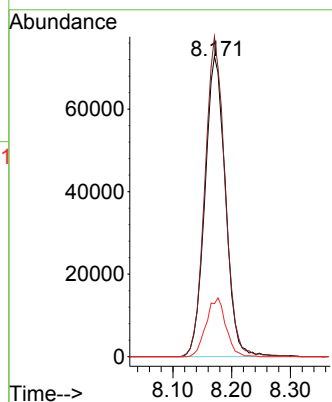
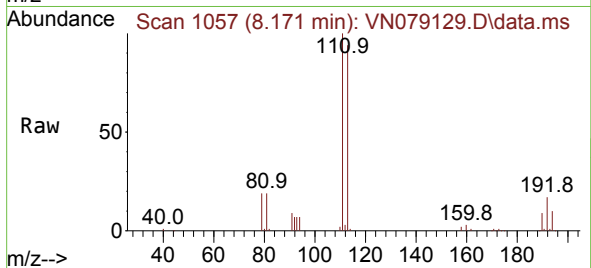
Tgt Ion:113 Resp: 177034

Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 18.8 12.7 19.1



#39

Methylcyclohexane

Concen: 2.028 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN079129.D

Acq: 01 Sep 2023 17:47

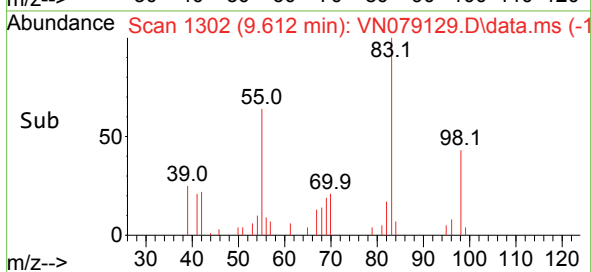
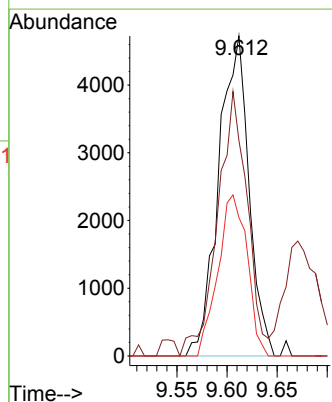
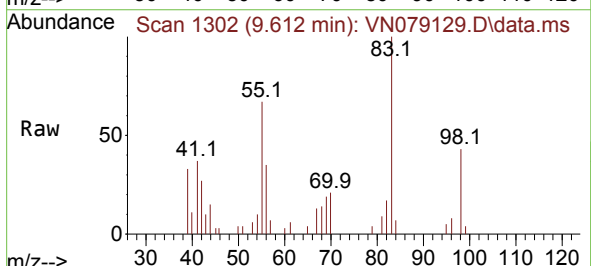
Tgt Ion: 83 Resp: 9914

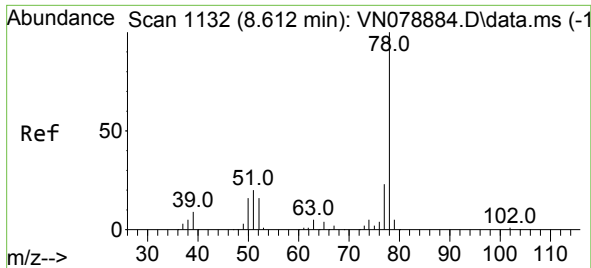
Ion Ratio Lower Upper

83 100

55 67.4 49.1 73.7

98 43.2 40.6 61.0

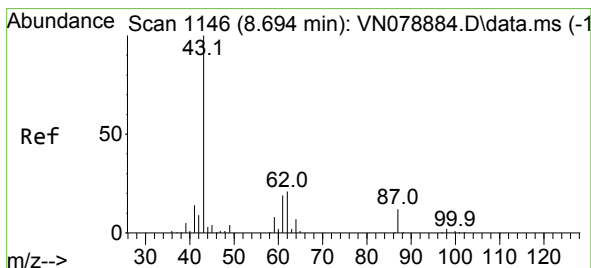
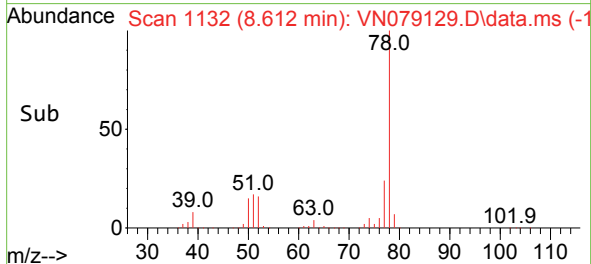
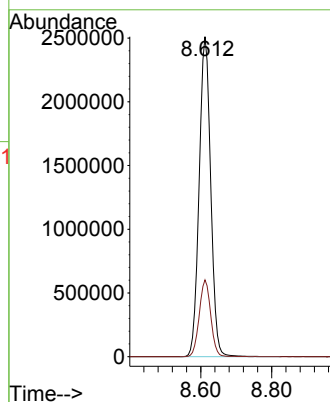
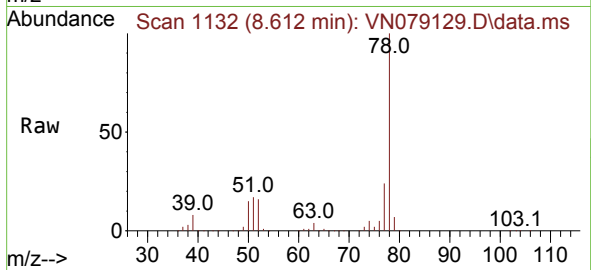




#40
Benzene
Concen: 361.406 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

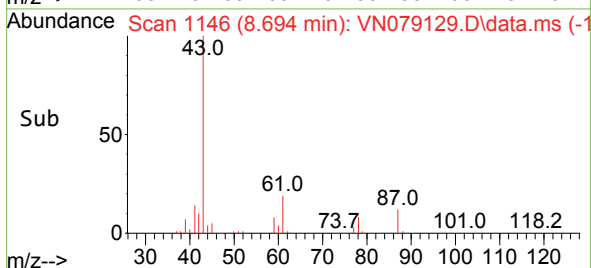
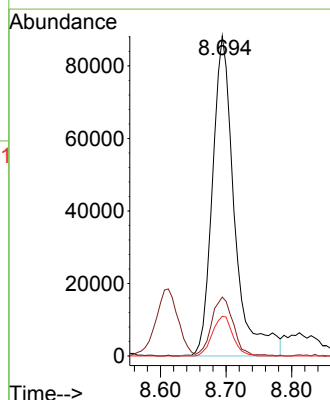
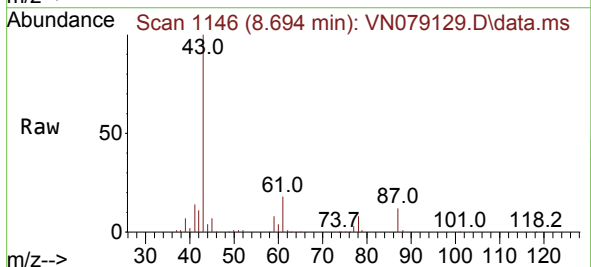
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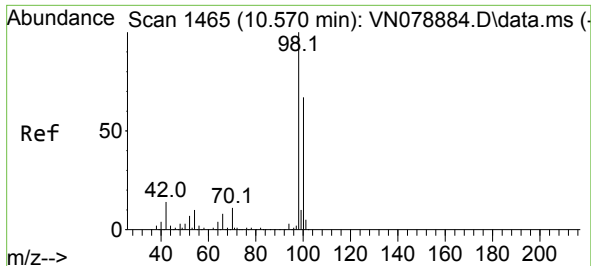
Tgt Ion: 78 Resp: 5679346
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



#43
Isopropyl Acetate
Concen: 19.602 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 43 Resp: 206096
Ion Ratio Lower Upper
43 100
61 18.1 24.7 37.1#
87 11.5 14.6 21.8#

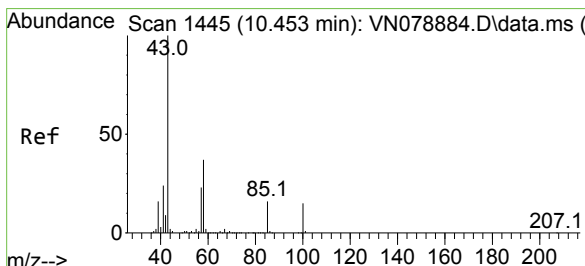
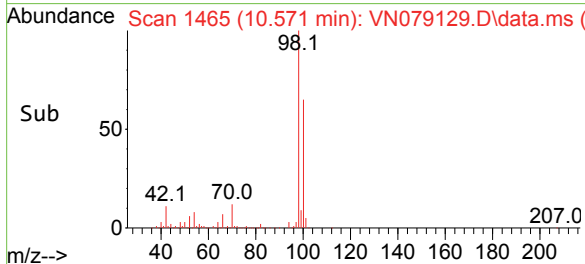
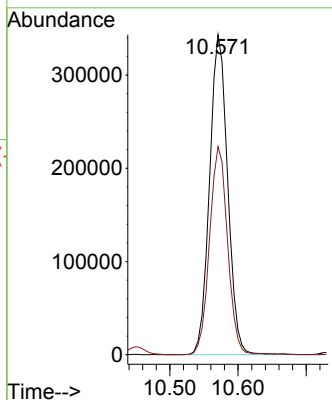
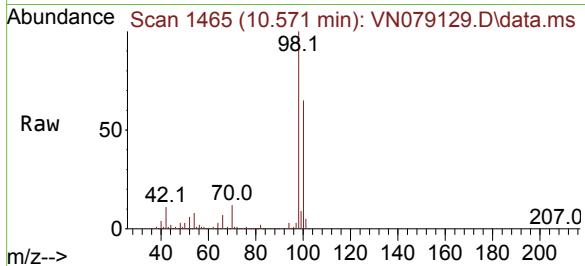




#50
Toluene-d8
Concen: 48.236 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

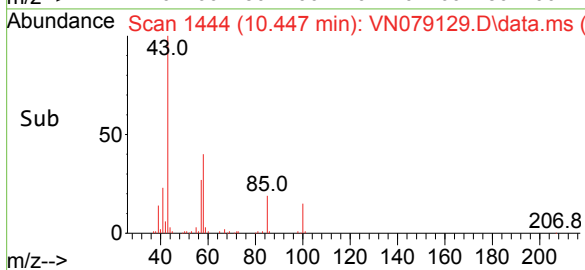
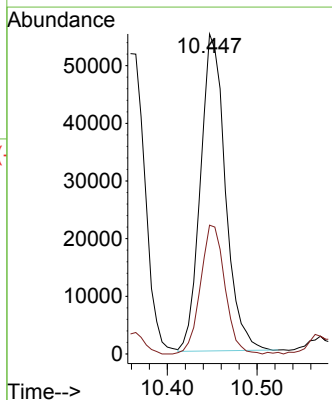
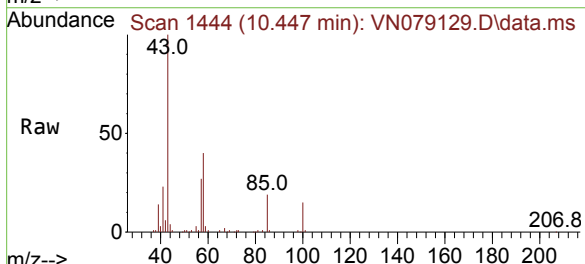
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

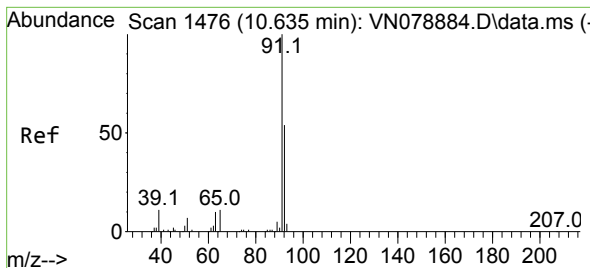
Tgt Ion: 98 Resp: 633022
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 17.007 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 43 Resp: 106055
Ion Ratio Lower Upper
43 100
58 39.6 36.6 54.8





#52

Toluene

Concen: 227.549 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079129.D

Acq: 01 Sep 2023 17:47

Instrument :

MSVOA_N

ClientSampleId :

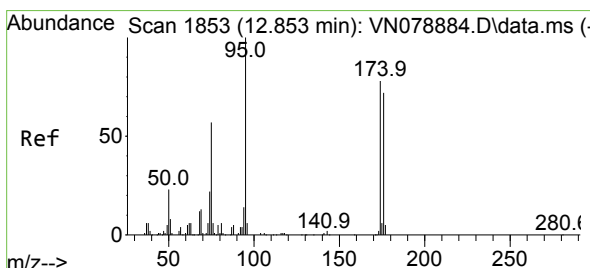
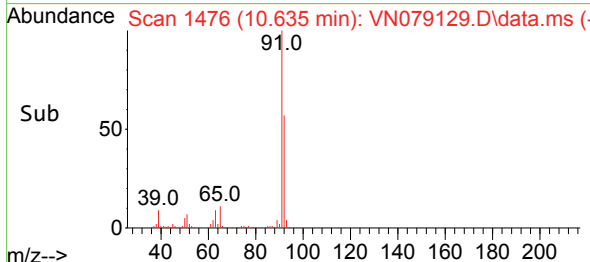
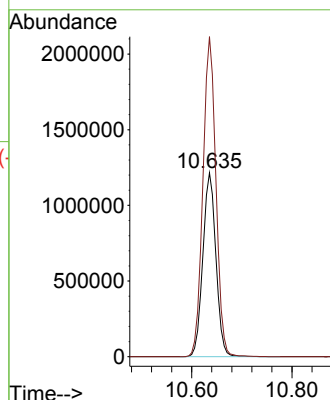
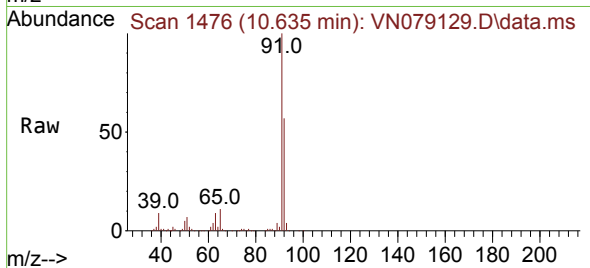
SBG-8

Tgt Ion: 92 Resp: 2195437

Ion Ratio Lower Upper

92 100

91 173.9 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 52.213 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN079129.D

Acq: 01 Sep 2023 17:47

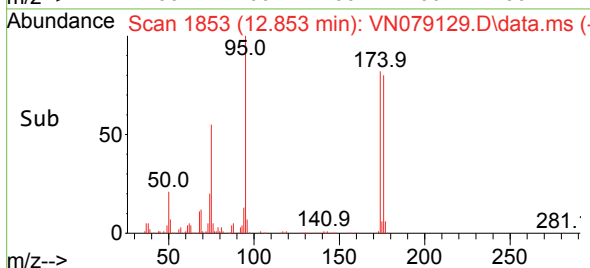
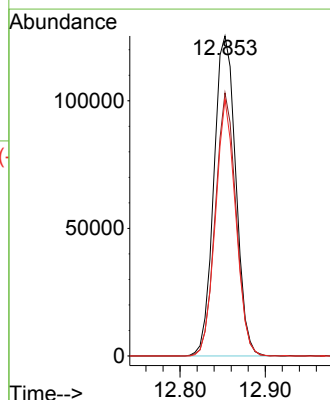
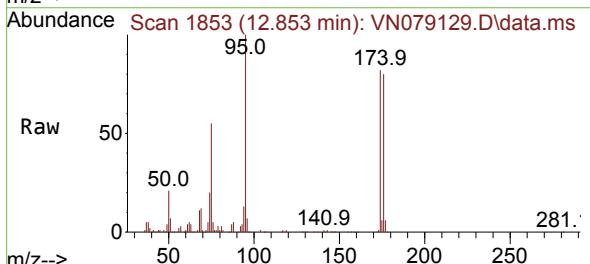
Tgt Ion: 95 Resp: 223970

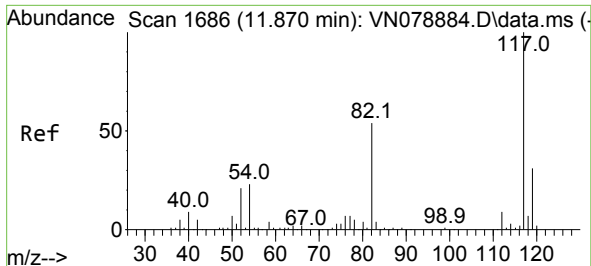
Ion Ratio Lower Upper

95 100

174 77.6 0.0 143.8

176 74.2 0.0 135.8

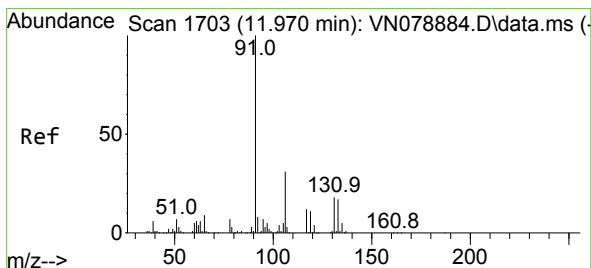
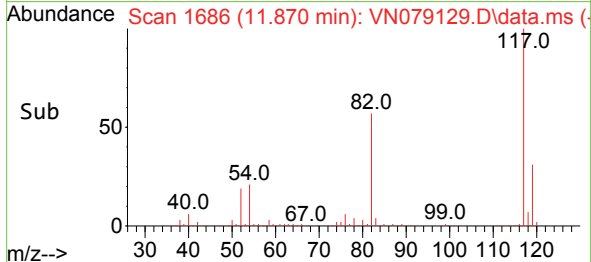
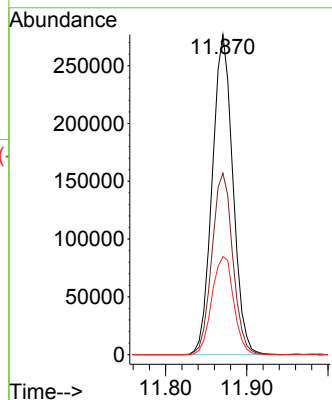
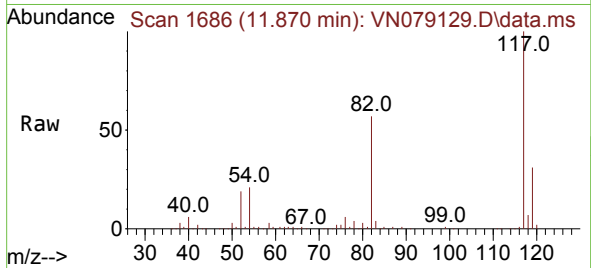




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

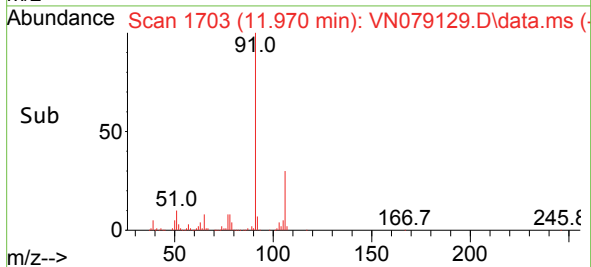
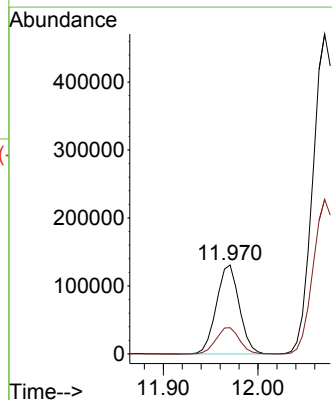
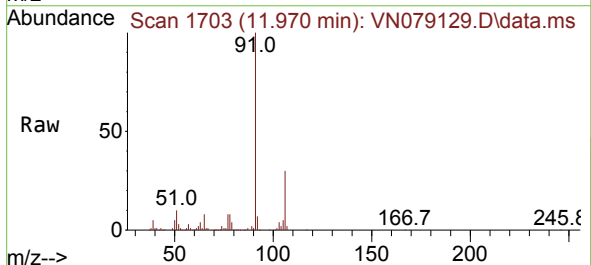
Instrument :
MSVOA_N
ClientSampleId :
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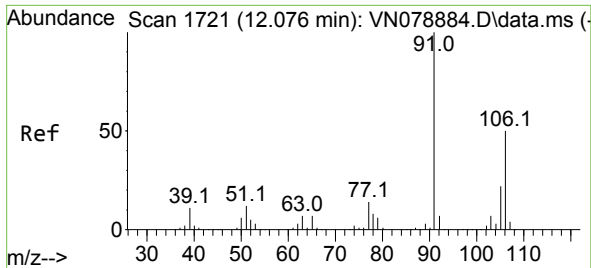
Tgt Ion:117 Resp: 489163
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 30.7 25.6 38.4



#67
Ethyl Benzene
Concen: 11.623 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 91 Resp: 220083
Ion Ratio Lower Upper
91 100
106 29.5 25.6 38.4

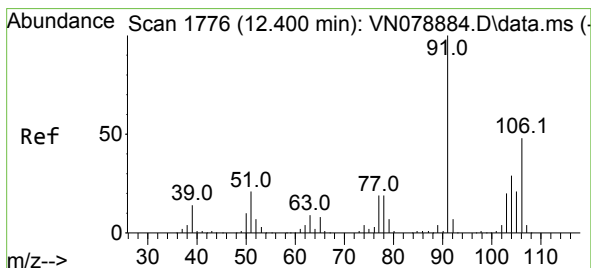
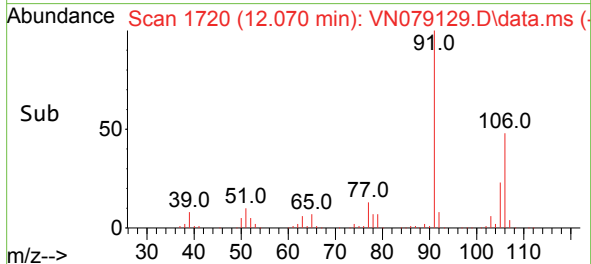
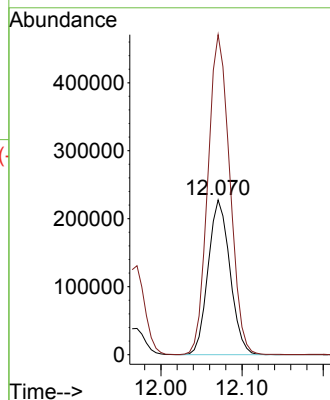
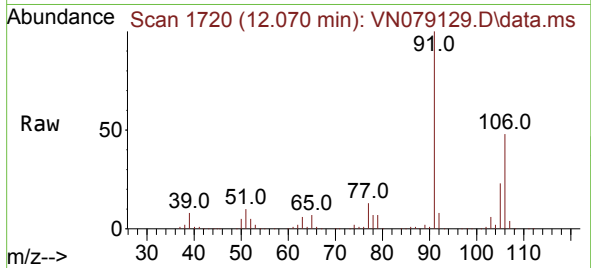




#68
m/p-Xylenes
Concen: 59.985 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

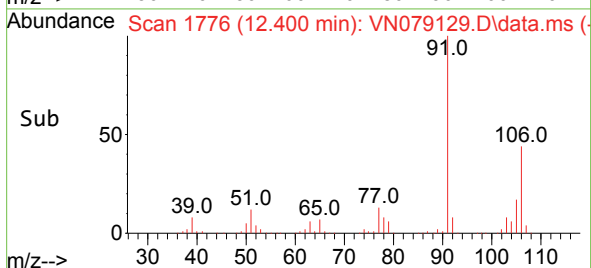
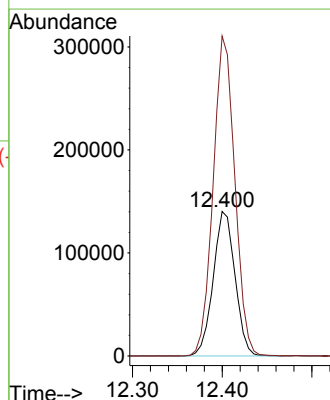
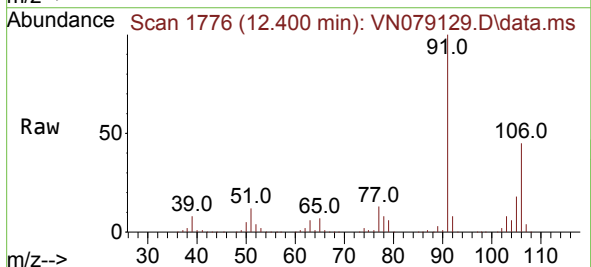
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

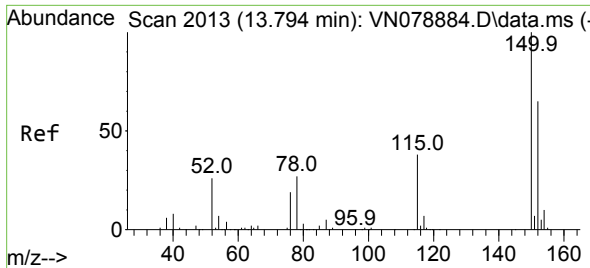
Tgt Ion:106 Resp: 424665
Ion Ratio Lower Upper
106 100
91 207.8 159.6 239.4



#69
o-Xylene
Concen: 34.382 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion:106 Resp: 236783
Ion Ratio Lower Upper
106 100
91 220.0 105.2 315.5

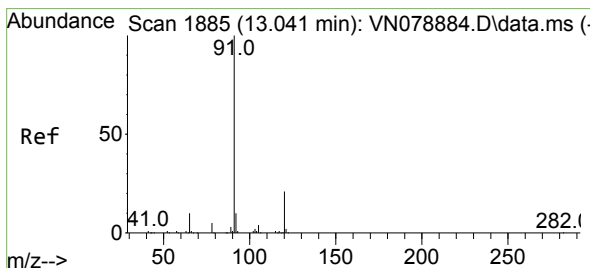
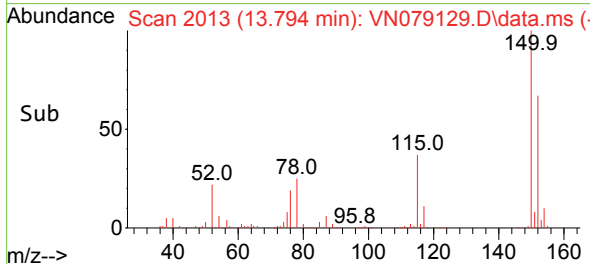
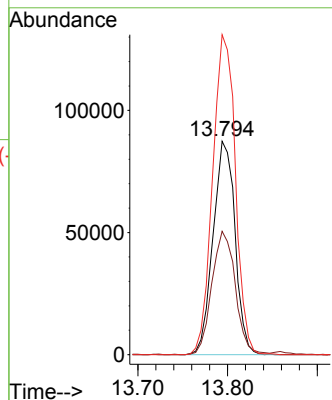
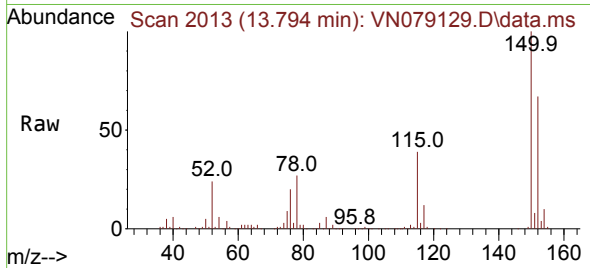




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

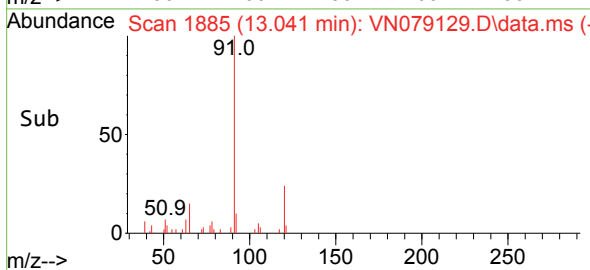
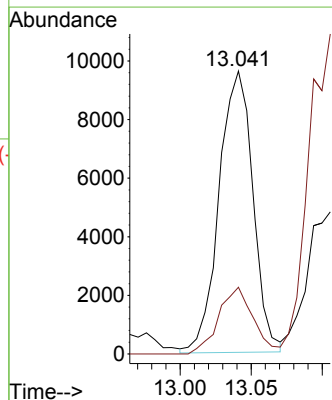
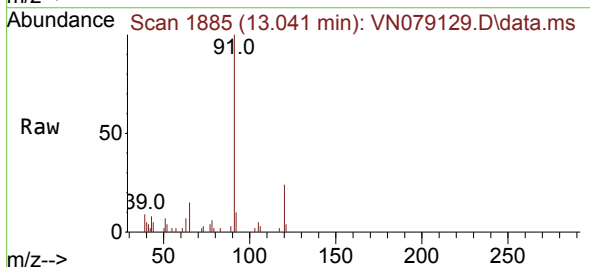
Instrument :
MSVOA_N
ClientSampleId :
SBG-8

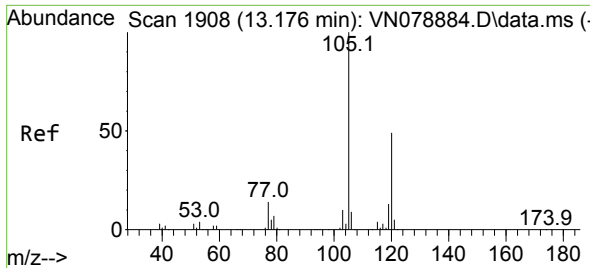
Tgt Ion:152 Resp: 148721
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 154.8 0.0 355.8



#78
n-propylbenzene
Concen: 1.109 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079129.D
Acq: 01 Sep 2023 17:47

Tgt Ion: 91 Resp: 15953
Ion Ratio Lower Upper
91 100
120 24.4 11.5 34.4

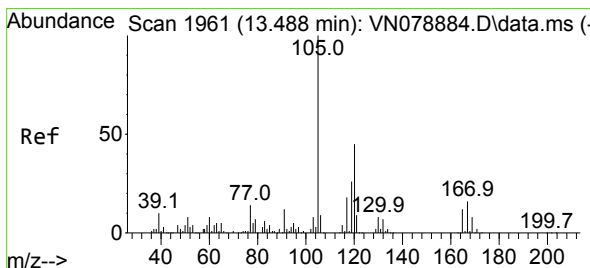
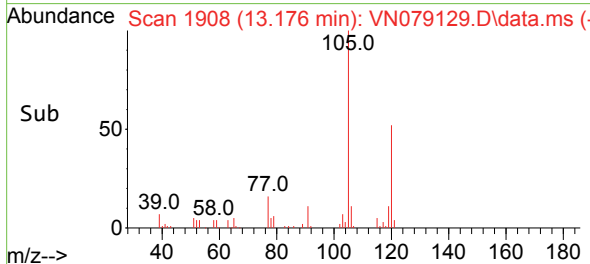
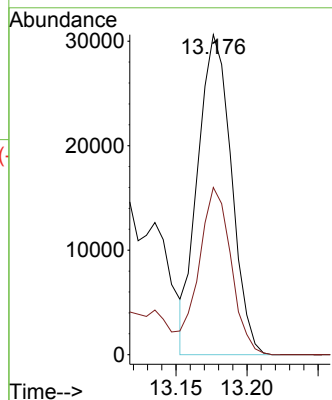
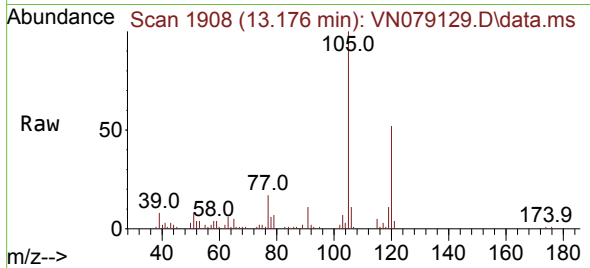




#80
 1,3,5-Trimethylbenzene
 Concen: 5.107 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079129.D
 Acq: 01 Sep 2023 17:47

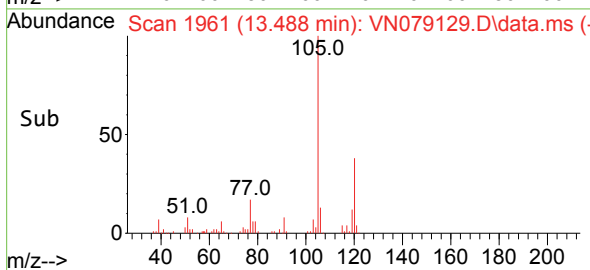
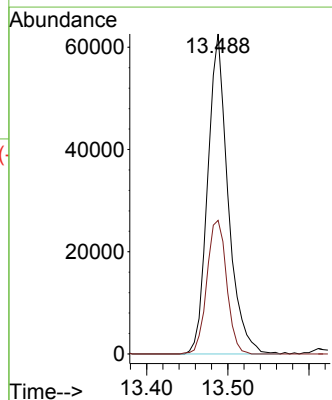
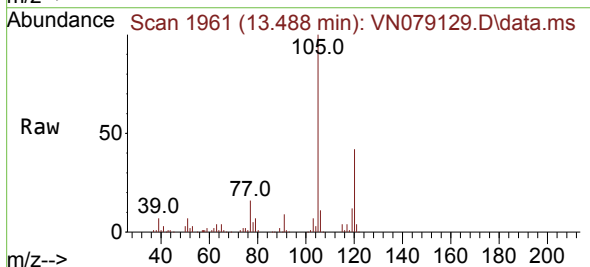
Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-8

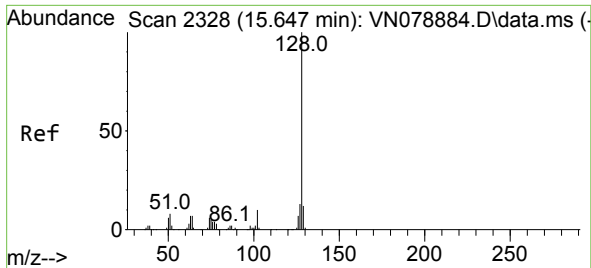
Tgt Ion:105 Resp: 50187
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 11.200 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN079129.D
 Acq: 01 Sep 2023 17:47

Tgt Ion:105 Resp: 108986
 Ion Ratio Lower Upper
 105 100
 120 40.5 22.0 66.0





#95

Naphthalene

Concen: 126.049 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079129.D

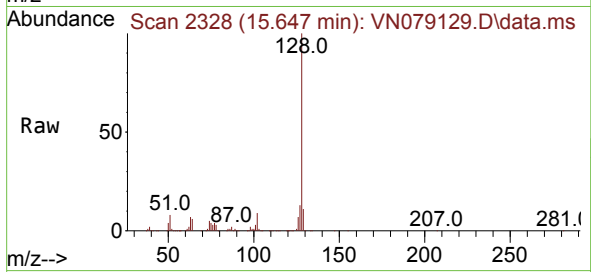
Acq: 01 Sep 2023 17:47

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:128 Resp: 892167

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 11.0 8.7 13.1

