

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090123\
 Data File : VN079127.D
 Acq On : 01 Sep 2023 16:58
 Operator : JC\MD
 Sample : 04232-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-6

Quant Time: Sep 01 23:16:14 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)

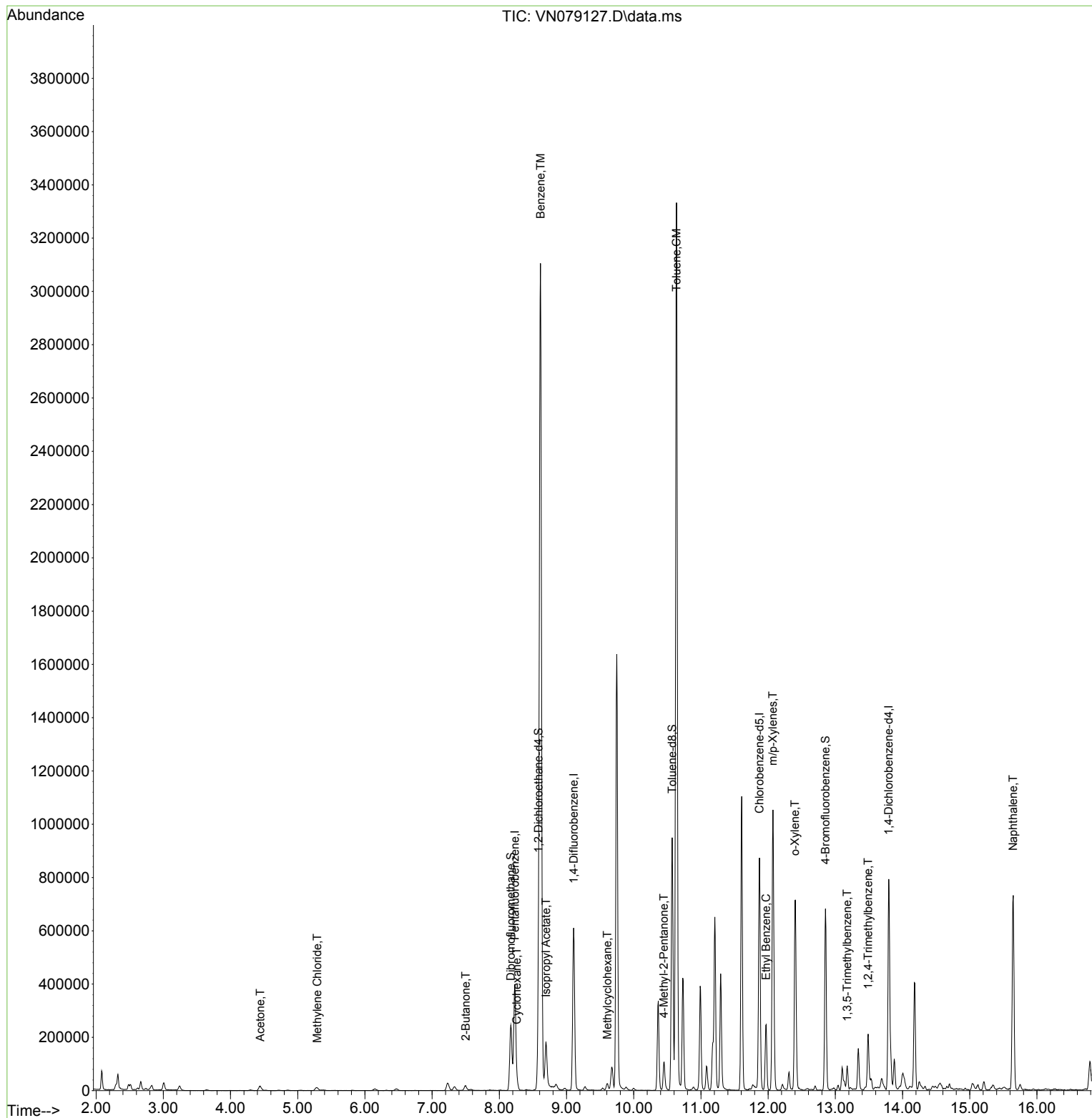
Internal Standards						
1) Pentafluorobenzene	8.230	168	290309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	533485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	514666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	206594	45.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.460%		
35) Dibromofluoromethane	8.171	113	179379	49.950	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	10.571	98	650525	48.786	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.580%		
62) 4-Bromofluorobenzene	12.853	95	243045	55.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.520%		
Target Compounds					Qvalue	
16) Acetone	4.442	43	31182	16.729	ug/l	92
20) Methylene Chloride	5.289	84	9330	2.349	ug/l	89
25) 2-Butanone	7.500	43	30221	10.113	ug/l #	83
31) Cyclohexane	8.259	56	21026	1.151	ug/l	94
39) Methylcyclohexane	9.606	83	10319	2.077	ug/l #	82
40) Benzene	8.612	78	3217587	201.514	ug/l	98
43) Isopropyl Acetate	8.694	43	209973	19.655	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	78253	12.350	ug/l	90
52) Toluene	10.635	92	1465203	149.462	ug/l	99
67) Ethyl Benzene	11.971	91	177018	8.885	ug/l	98
68) m/p-Xylenes	12.071	106	328862	44.150	ug/l	94
69) o-Xylene	12.400	106	192358	26.547	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	48633	3.459	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	125569	9.018	ug/l	93
95) Naphthalene	15.647	128	676959	68.051	ug/l	99

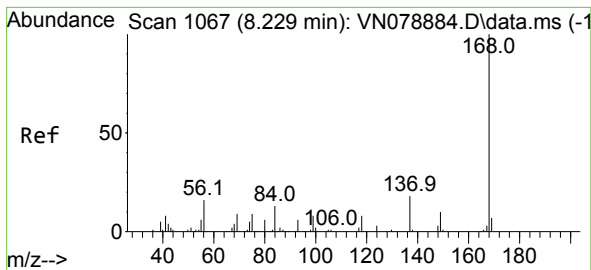
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079127.D

Acq: 01 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

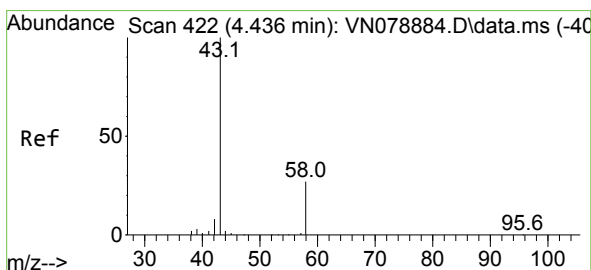
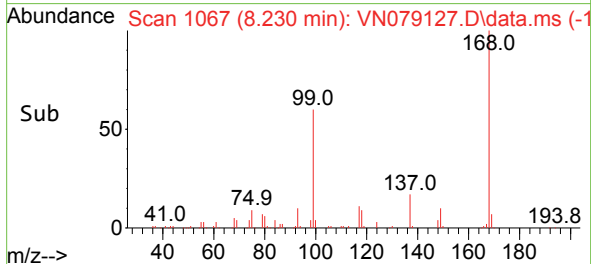
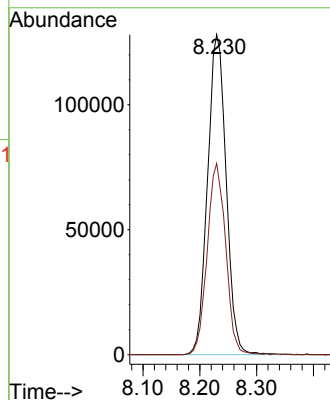
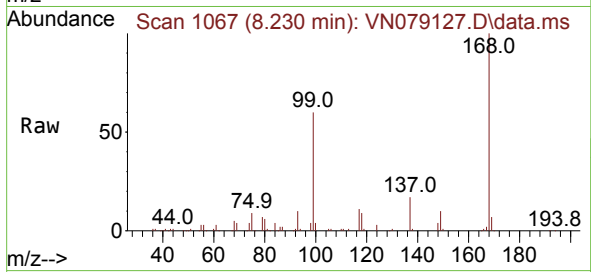
SBG-6

Tgt Ion:168 Resp: 290309

Ion Ratio Lower Upper

168 100

99 59.7 53.0 79.6



#16

Acetone

Concen: 16.729 ug/l

RT: 4.442 min Scan# 423

Delta R.T. -0.000 min

Lab File: VN079127.D

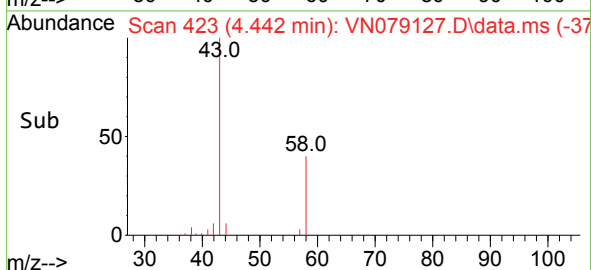
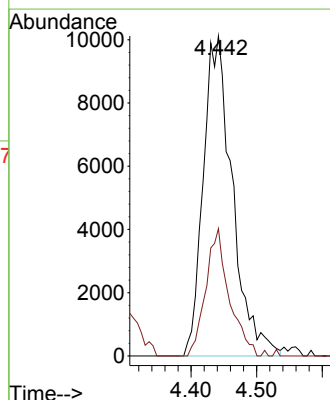
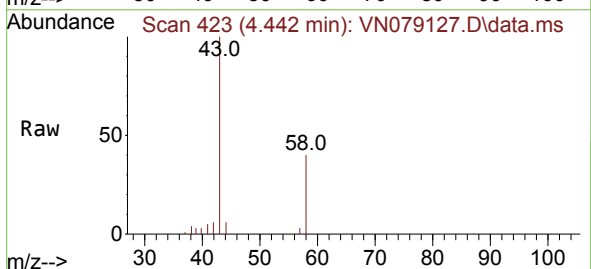
Acq: 01 Sep 2023 16:58

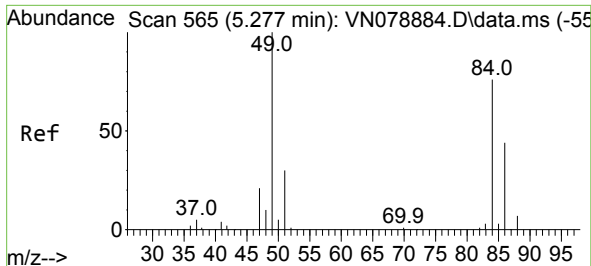
Tgt Ion: 43 Resp: 31182

Ion Ratio Lower Upper

43 100

58 39.8 28.0 42.0

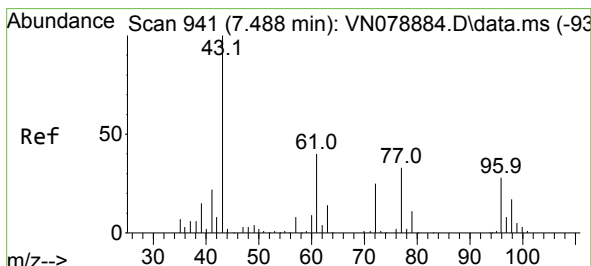
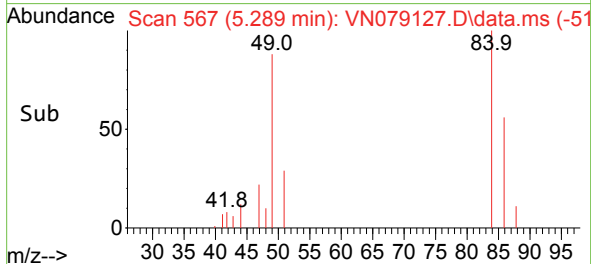
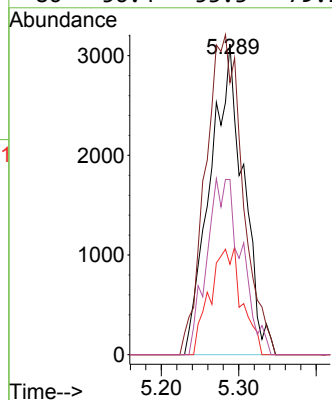
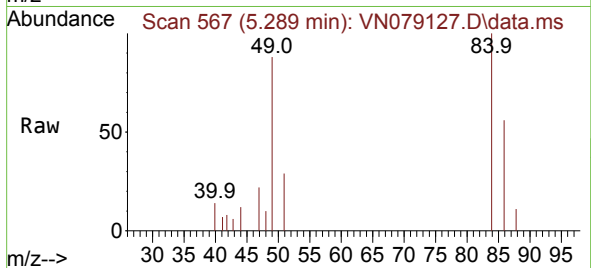




#20
Methylene Chloride
Concen: 2.349 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

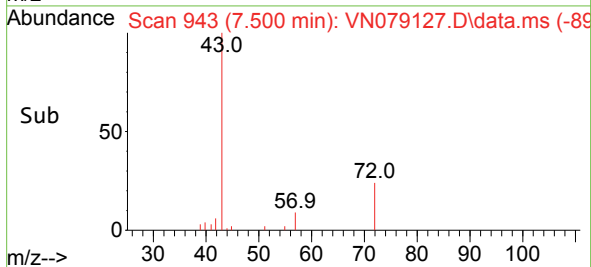
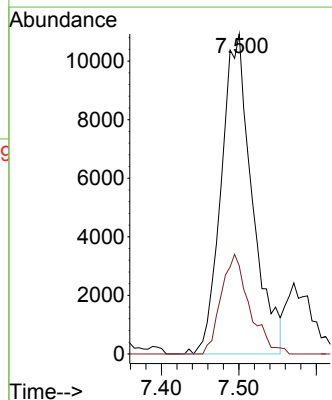
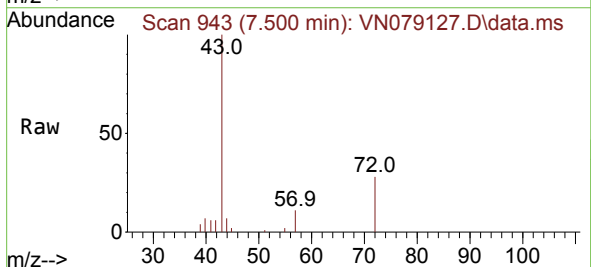
Instrument :
MSVOA_N
ClientSampleId :
SBG-6

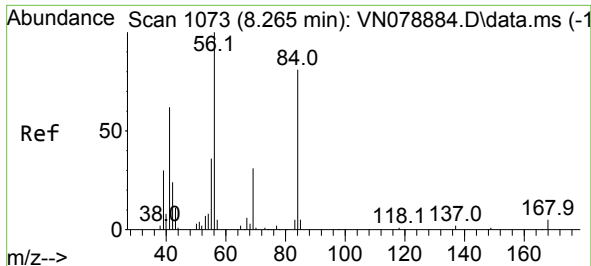
Tgt Ion:	84	Resp:	9330
Ion	Ratio	Lower	Upper
84	100		
49	87.6	79.7	119.5
51	29.1	25.2	37.8
86	56.4	53.3	79.9



#25
2-Butanone
Concen: 10.113 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

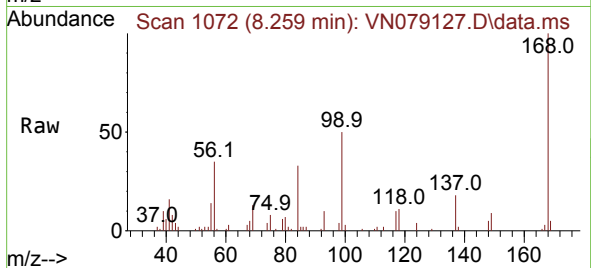
Tgt Ion:	43	Resp:	30221
Ion	Ratio	Lower	Upper
43	100		
72	27.6	30.2	45.2#



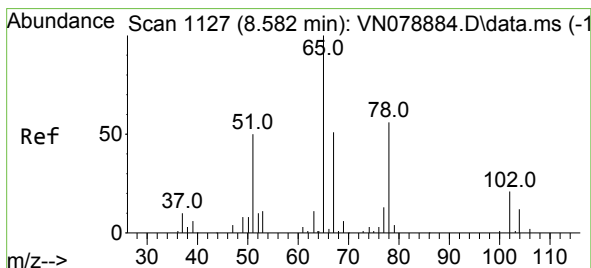
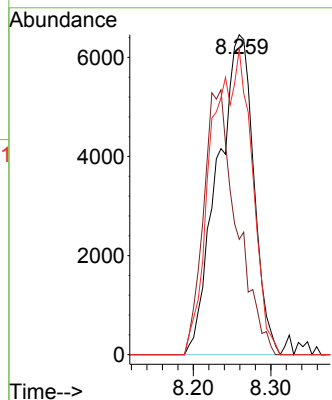
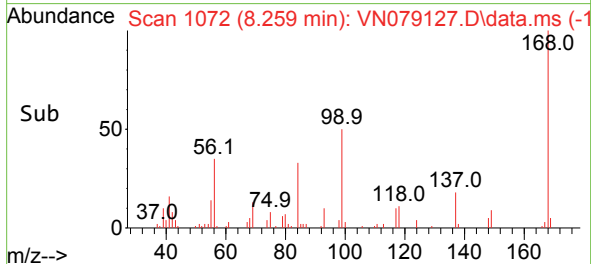


#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Instrument :
MSVOA_N
ClientSampleId :
SBG-6

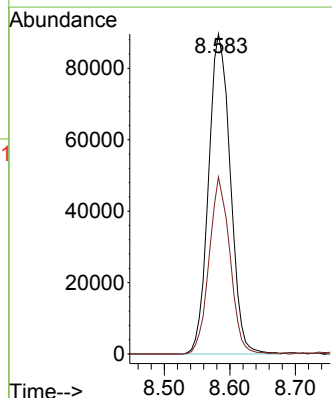
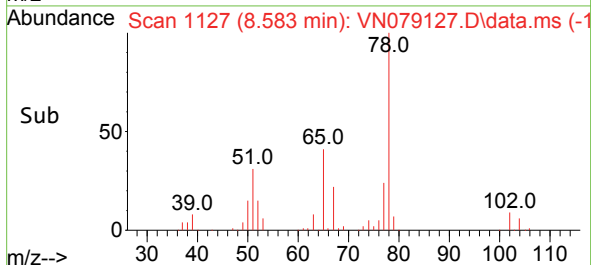
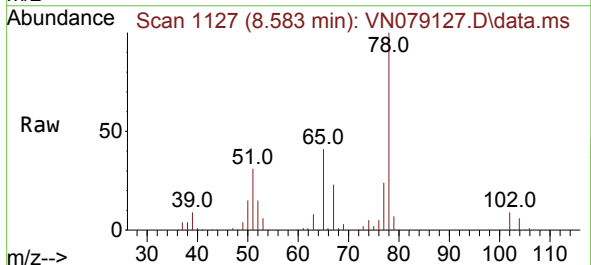


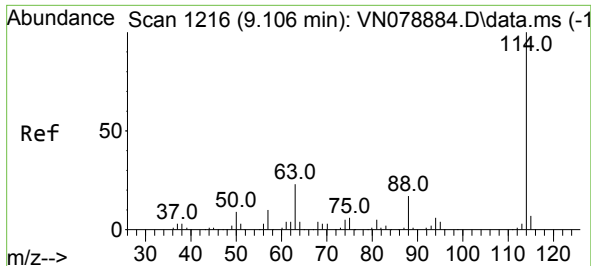
Tgt Ion: 56 Resp: 21026
Ion Ratio Lower Upper
56 100
69 36.0 26.8 40.2
84 95.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 45.732 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion: 65 Resp: 206594
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079127.D

Acq: 01 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

SBG-6

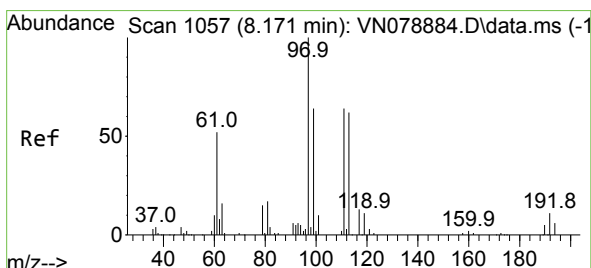
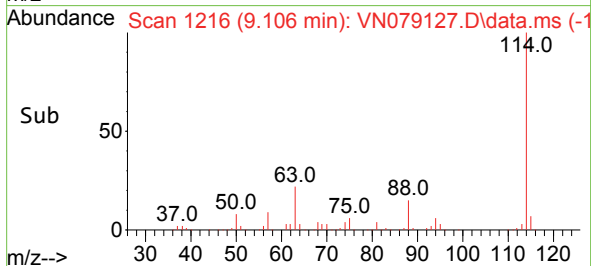
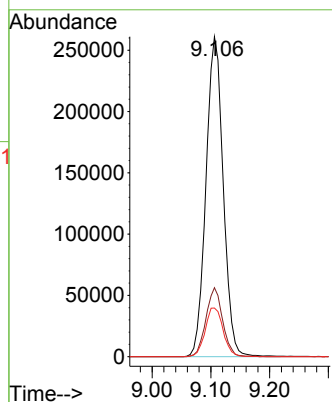
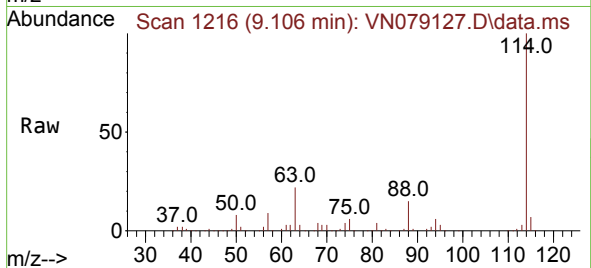
Tgt Ion:114 Resp: 533485

Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.950 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079127.D

Acq: 01 Sep 2023 16:58

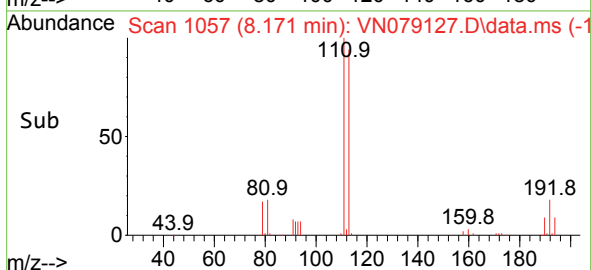
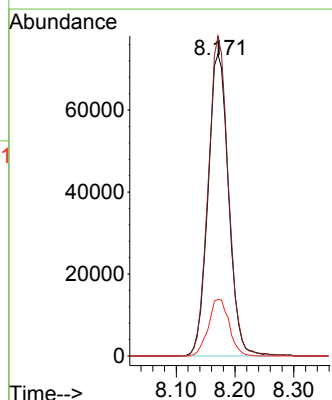
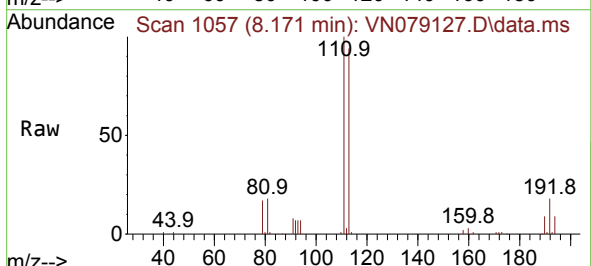
Tgt Ion:113 Resp: 179379

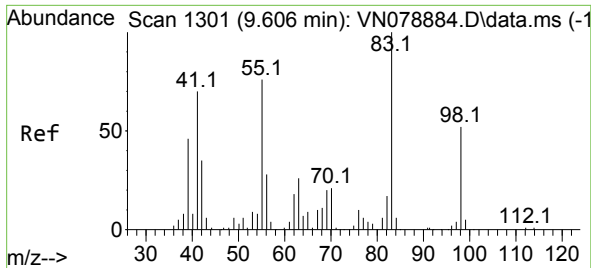
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

192 18.9 12.7 19.1





#39

Methylcyclohexane

Concen: 2.077 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN079127.D

Acq: 01 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

SBG-6

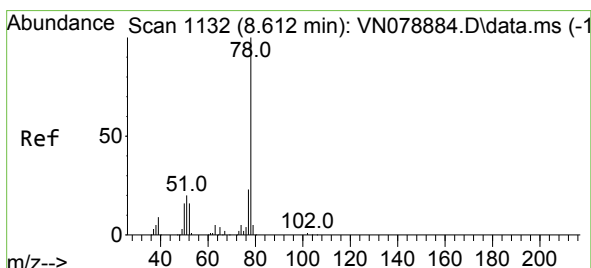
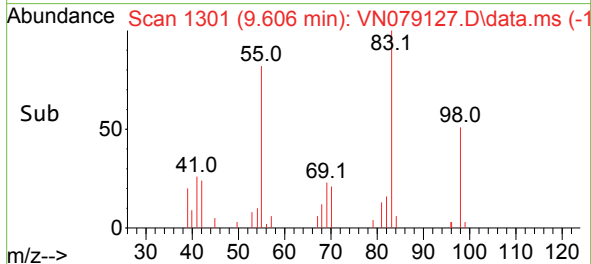
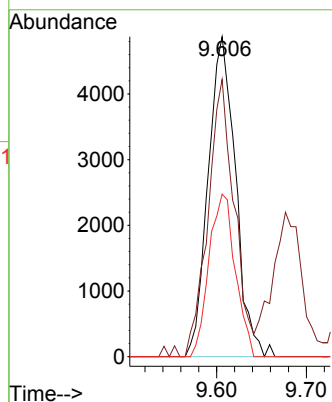
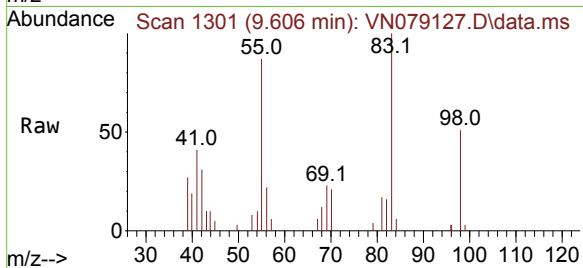
Tgt Ion: 83 Resp: 10319

Ion Ratio Lower Upper

83 100

55 86.7 49.1 73.7#

98 50.8 40.6 61.0



#40

Benzene

Concen: 201.514 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079127.D

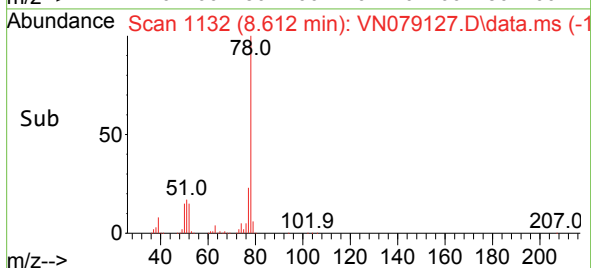
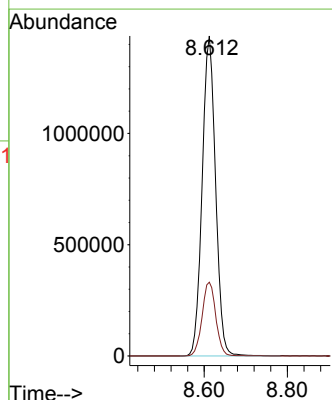
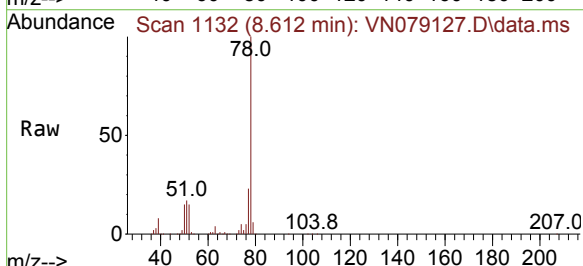
Acq: 01 Sep 2023 16:58

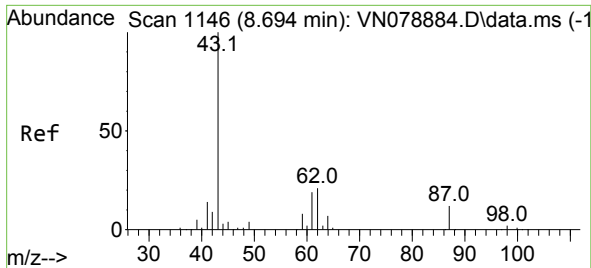
Tgt Ion: 78 Resp: 3217587

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6

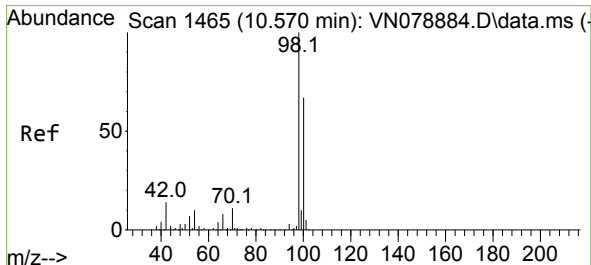
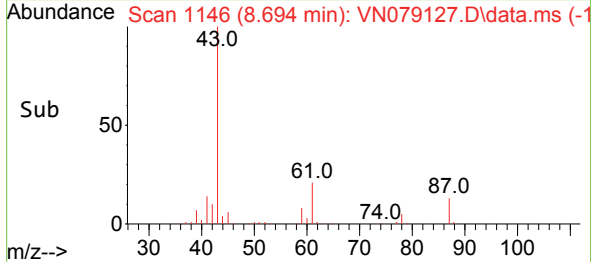
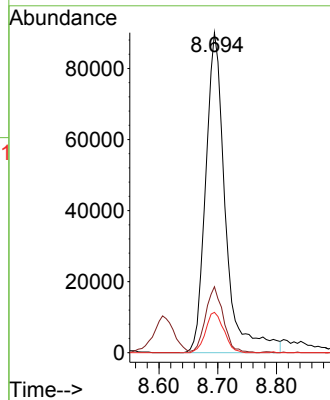
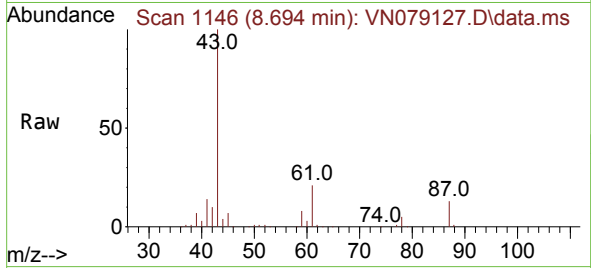




#43
Isopropyl Acetate
Concen: 19.655 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

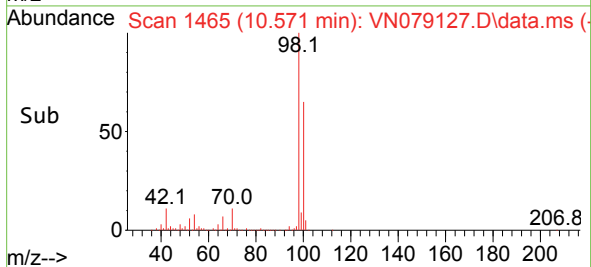
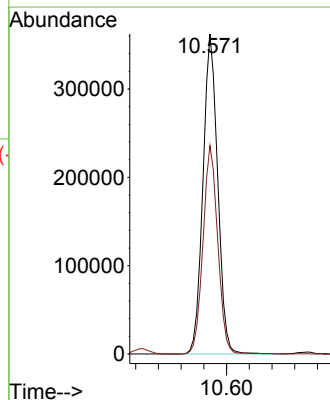
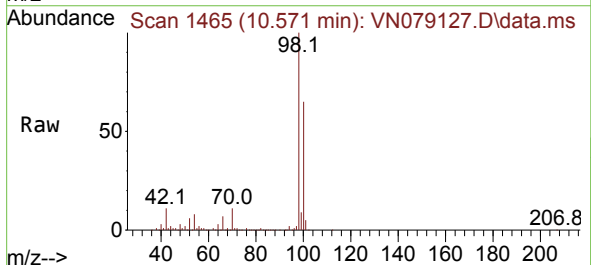
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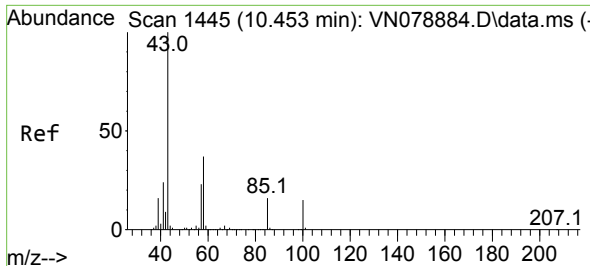
Tgt Ion: 43 Resp: 209973
Ion Ratio Lower Upper
43 100
61 18.5 24.7 37.1#
87 11.7 14.6 21.8#



#50
Toluene-d8
Concen: 48.786 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion: 98 Resp: 650525
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

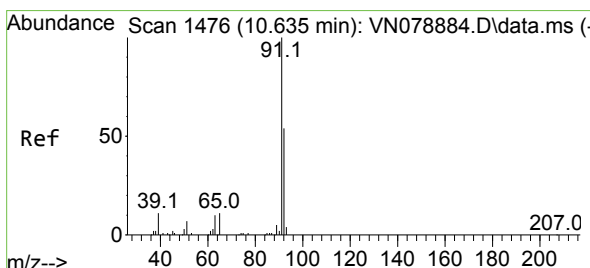
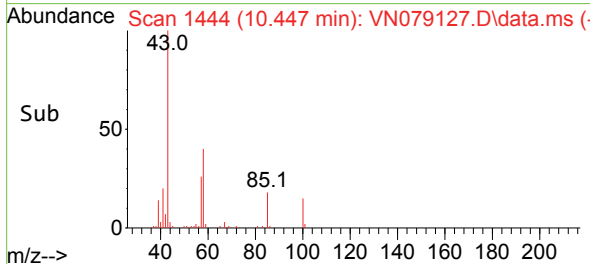
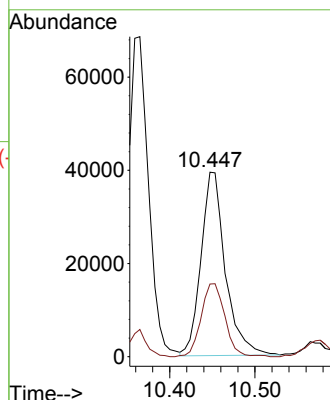
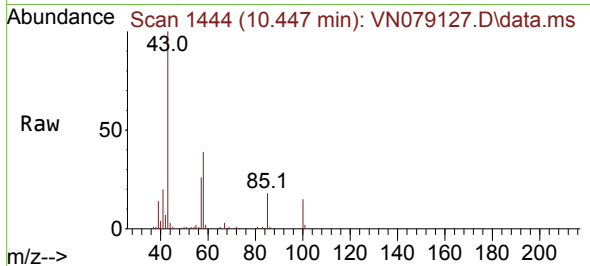




#51
4-Methyl-2-Pentanone
Concen: 12.350 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

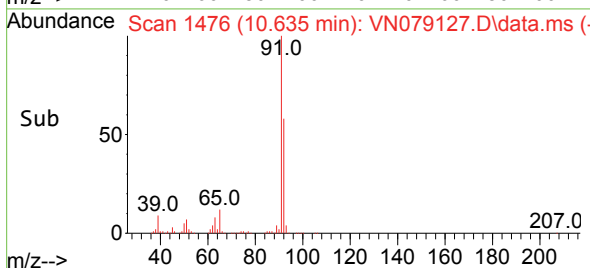
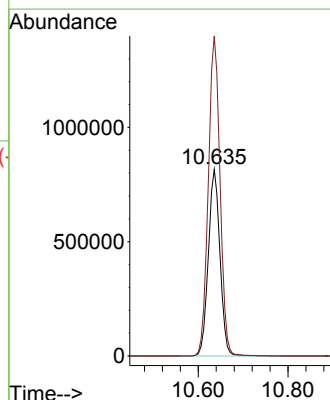
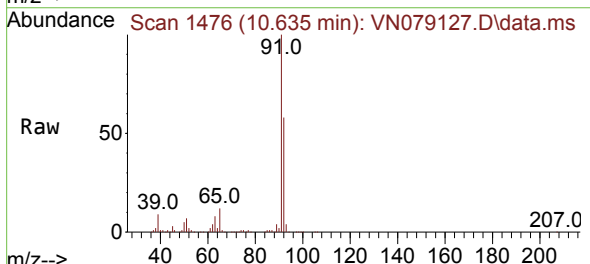
Instrument :
MSVOA_N
ClientSampleId :
SBG-6

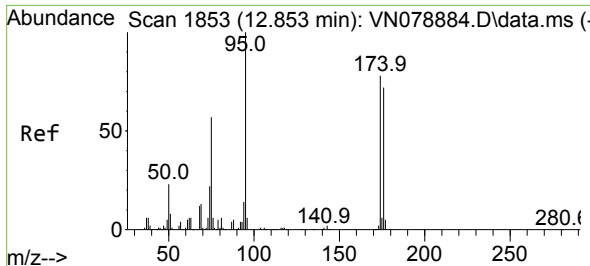
Tgt Ion: 43 Resp: 78253
Ion Ratio Lower Upper
43 100
58 38.8 36.6 54.8



#52
Toluene
Concen: 149.462 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion: 92 Resp: 1465203
Ion Ratio Lower Upper
92 100
91 173.1 137.4 206.0

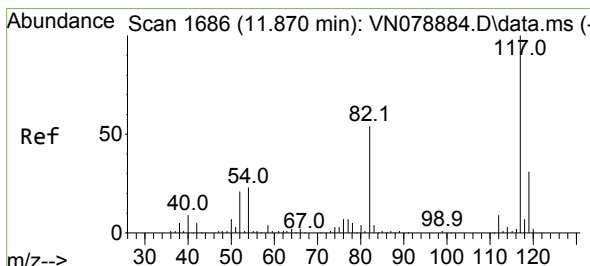
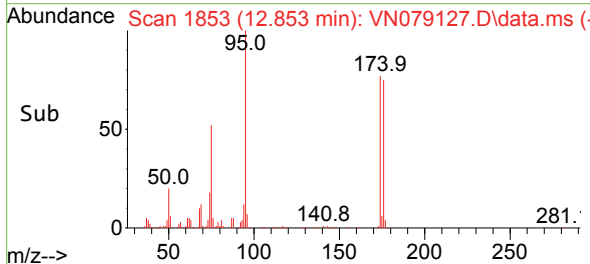
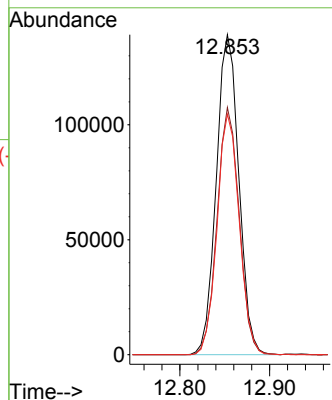
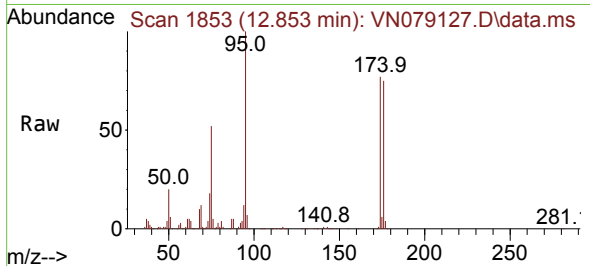




#62
4-Bromofluorobenzene
Concen: 55.764 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

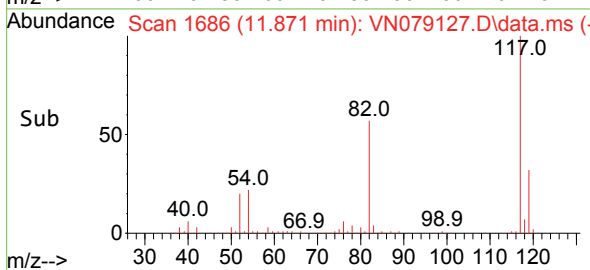
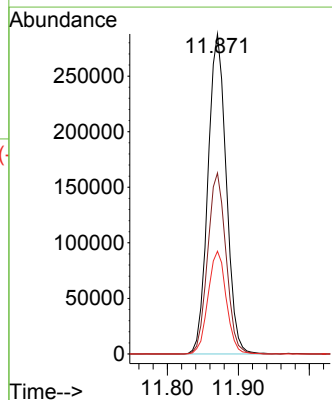
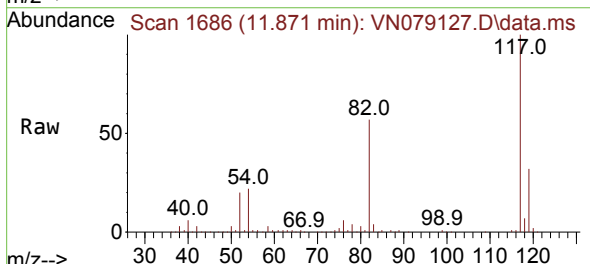
Instrument :
MSVOA_N
ClientSampleId :
SBG-6

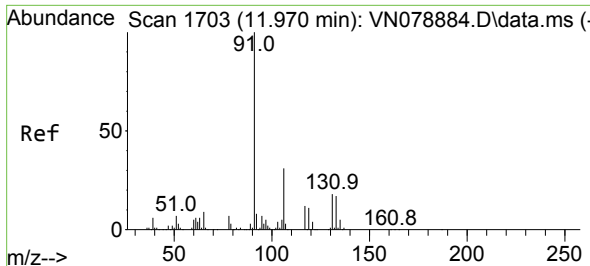
Tgt Ion: 95 Resp: 243045
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 73.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion: 117 Resp: 514666
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 32.1 25.6 38.4

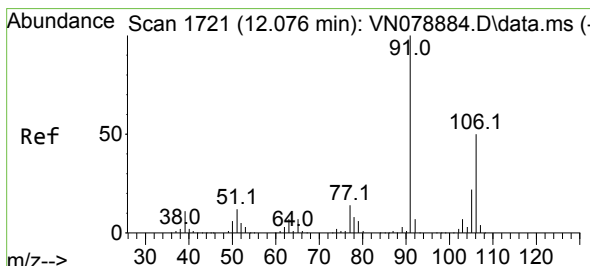
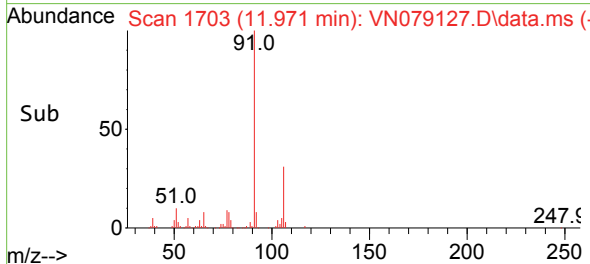
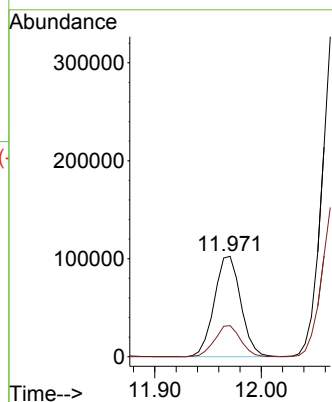
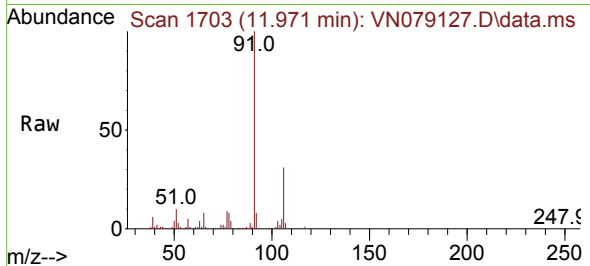




#67
Ethyl Benzene
Concen: 8.885 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

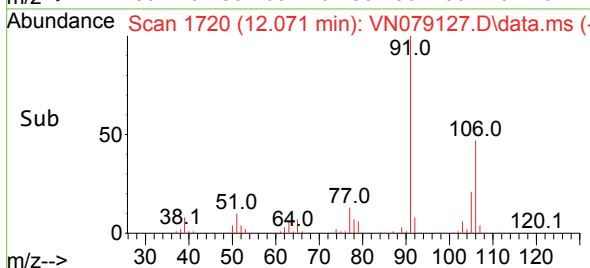
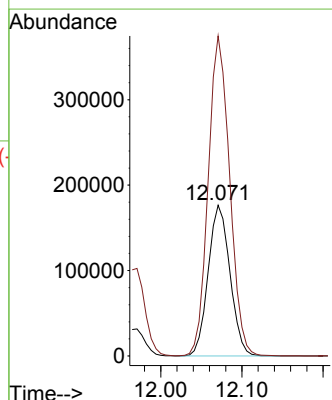
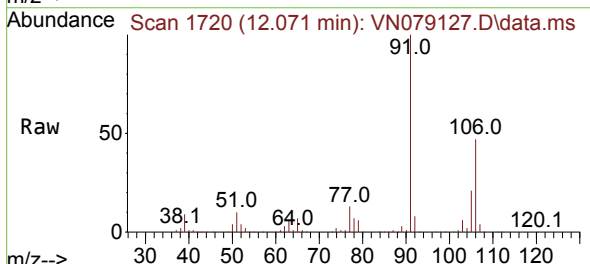
Instrument :
MSVOA_N
ClientSampleId :
SBG-6

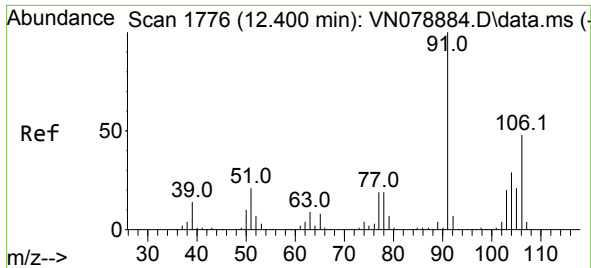
Tgt Ion: 91 Resp: 177018
Ion Ratio Lower Upper
91 100
106 30.9 25.6 38.4



#68
m/p-Xylenes
Concen: 44.150 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion: 106 Resp: 328862
Ion Ratio Lower Upper
106 100
91 209.3 159.6 239.4

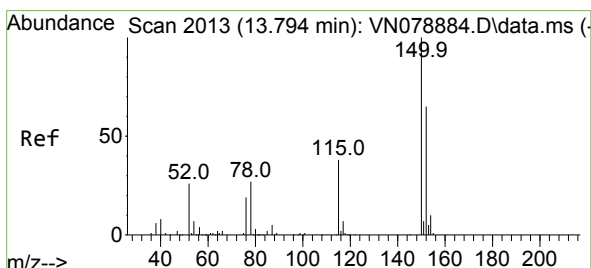
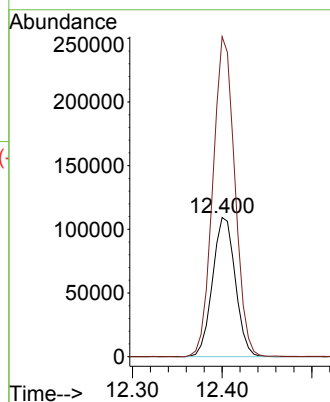
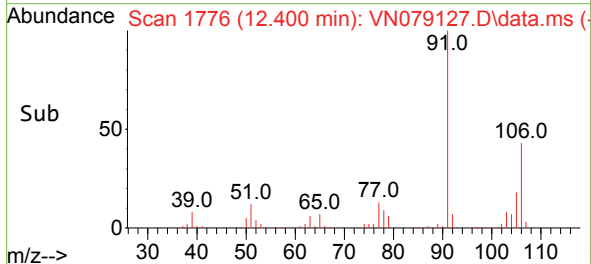
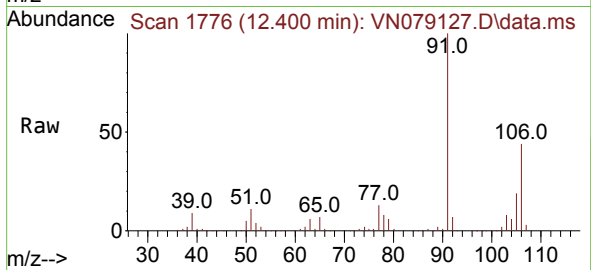




#69
o-Xylene
Concen: 26.547 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

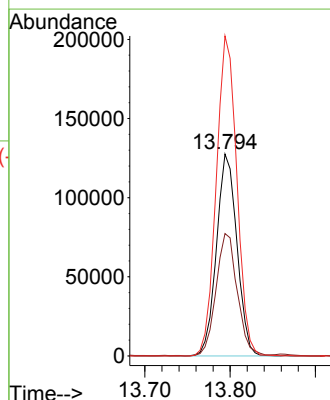
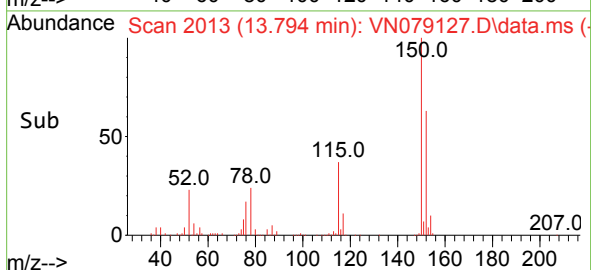
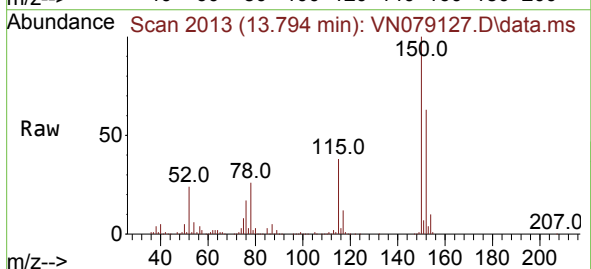
Instrument :
MSVOA_N
ClientSampleId :
SBG-6

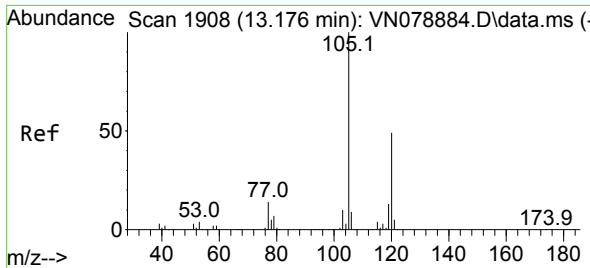
Tgt Ion:106 Resp: 192358
Ion Ratio Lower Upper
106 100
91 222.3 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079127.D
Acq: 01 Sep 2023 16:58

Tgt Ion:152 Resp: 212806
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 159.2 0.0 355.8

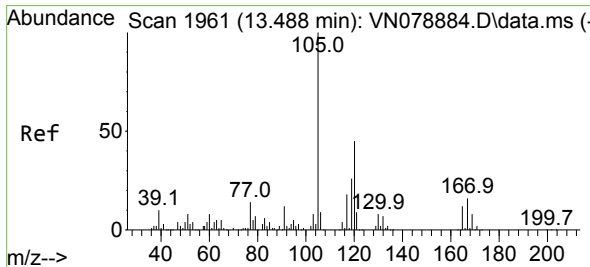
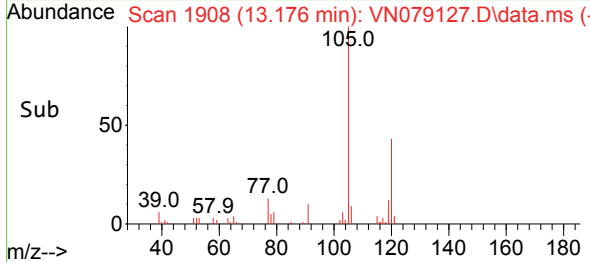
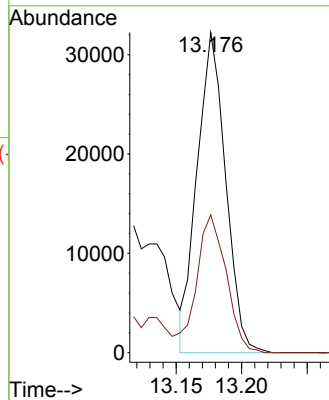
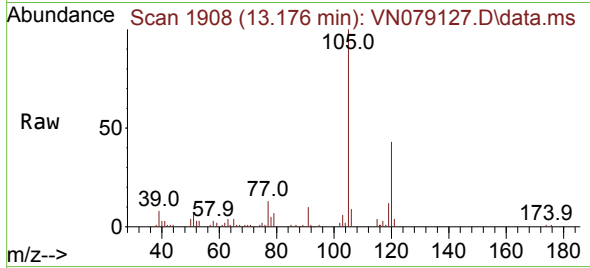




#80
 1,3,5-Trimethylbenzene
 Concen: 3.459 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN079127.D
 Acq: 01 Sep 2023 16:58

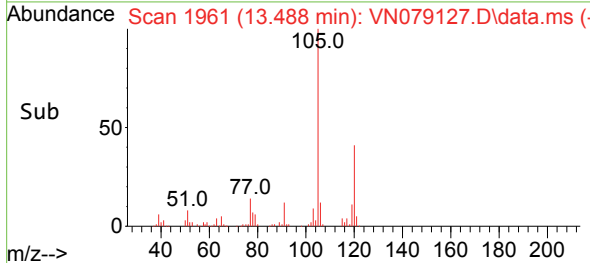
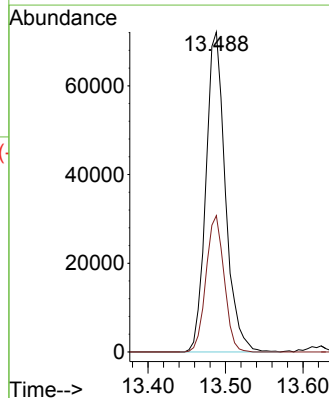
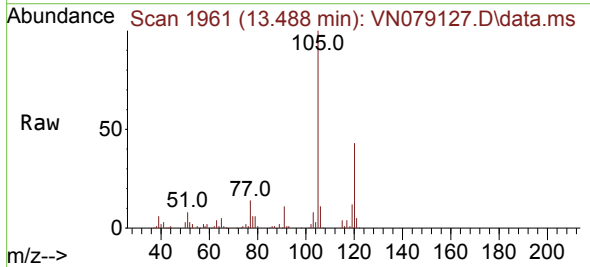
Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-6

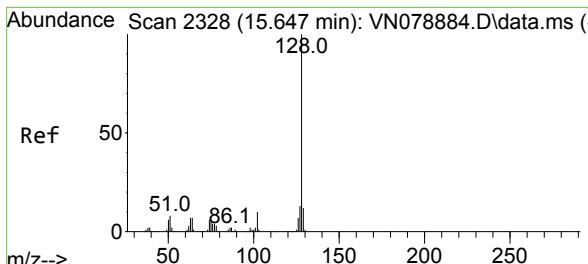
Tgt Ion:105 Resp: 48633
 Ion Ratio Lower Upper
 105 100
 120 45.2 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 9.018 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VN079127.D
 Acq: 01 Sep 2023 16:58

Tgt Ion:105 Resp: 125569
 Ion Ratio Lower Upper
 105 100
 120 39.7 22.0 66.0





#95
 Naphthalene
 Concen: 68.051 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079127.D
 Acq: 01 Sep 2023 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SBG-6

Tgt Ion:	128	Resp:	676959
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.7	13.1

