

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079908.D
 Acq On : 04 Nov 2023 21:15
 Operator : JC\MD
 Sample : 05102-10 20X
 Misc : 3.28g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 67S-SB14-1216

Quant Time: Nov 06 02:21:05 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)

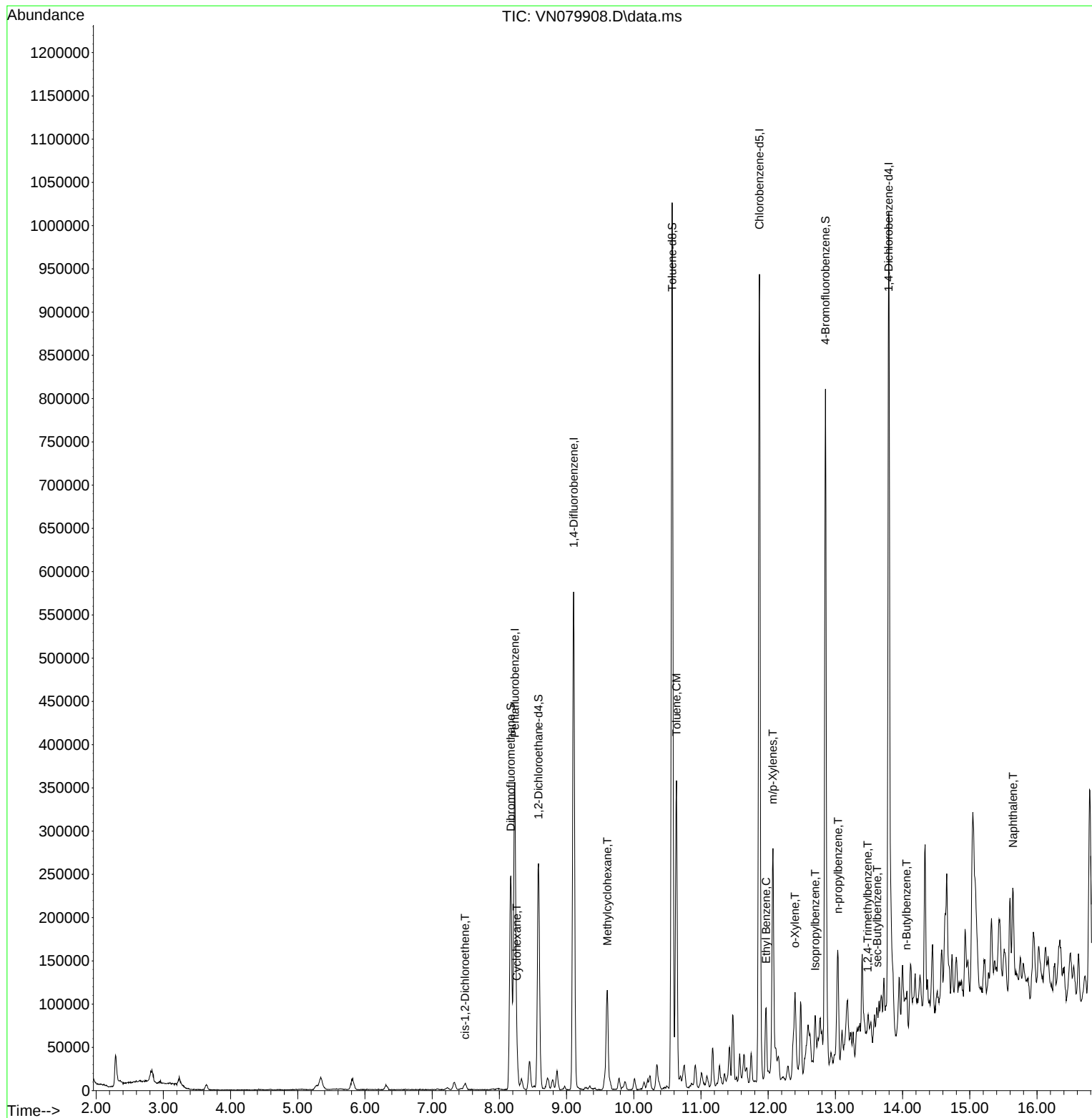
Internal Standards						
1) Pentafluorobenzene	8.229	168	235657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	475883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	529736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216376	60.267	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.540%			
35) Dibromofluoromethane	8.171	113	177676	52.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.571	98	649593	52.390	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.853	95	261641	63.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 127.260%#			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.488	96	4655	1.376	ug/l	94
31) Cyclohexane	8.259	56	25825	5.443	ug/l	91
39) Methylcyclohexane	9.606	83	41907	9.260	ug/l #	79
52) Toluene	10.635	92	146941	17.208	ug/l	97
67) Ethyl Benzene	11.970	91	56833	2.839	ug/l #	87
68) m/p-Xylenes	12.070	106	75168	10.079	ug/l	94
69) o-Xylene	12.400	106	22489	3.132	ug/l	96
73) Isopropylbenzene	12.700	105	32093	1.739	ug/l	100
78) n-propylbenzene	13.041	91	88229	4.175	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	24741	1.751	ug/l	96
85) sec-Butylbenzene	13.623	105	19062	1.171	ug/l #	77
89) n-Butylbenzene	14.059	91	23447	2.051	ug/l #	85
95) Naphthalene	15.647	128	113169	8.845	ug/l	98

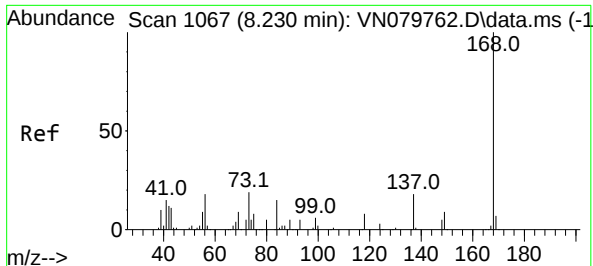
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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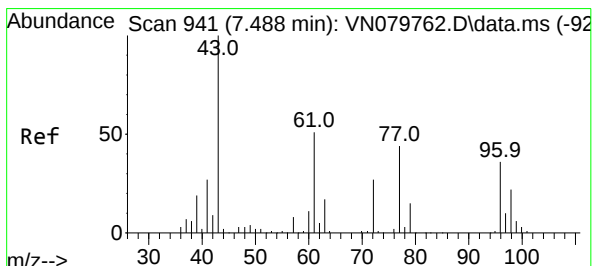
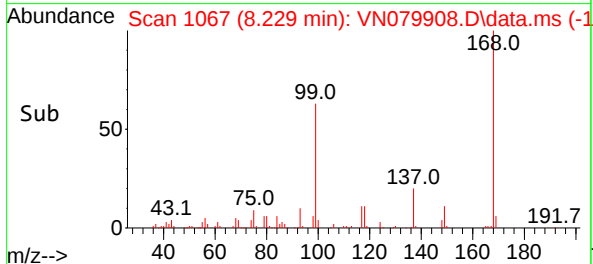
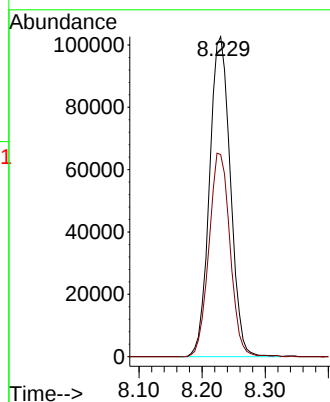
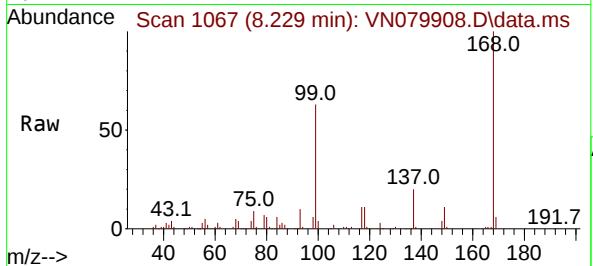




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

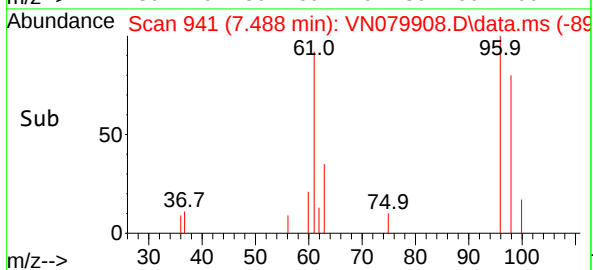
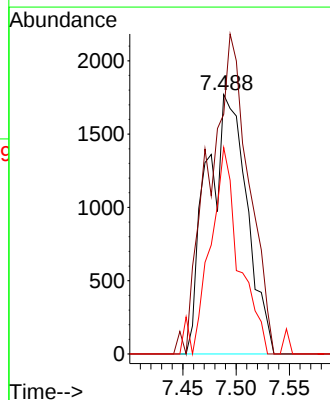
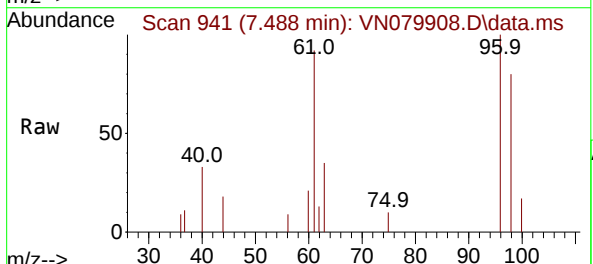
Instrument :
MSVOA_N
ClientSampleId :
67S-SB14-1216

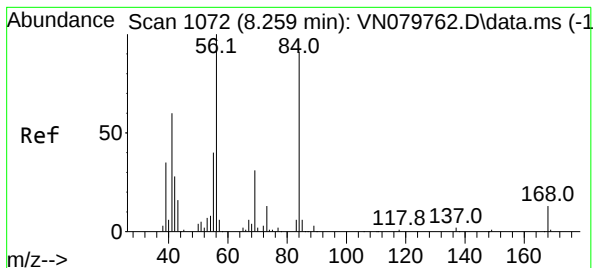
Tgt Ion:168 Resp: 235657
Ion Ratio Lower Upper
168 100
99 63.2 53.0 79.6



#27
cis-1,2-Dichloroethene
Concen: 1.376 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion: 96 Resp: 4655
Ion Ratio Lower Upper
96 100
61 121.7 0.0 255.2
98 57.7 0.0 128.8





#31

Cyclohexane

Concen: 5.443 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.000 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

Instrument :

MSVOA_N

ClientSampleId :

67S-SB14-1216

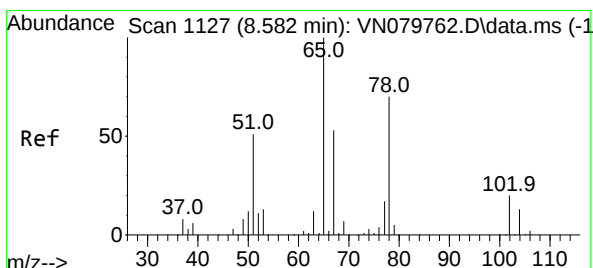
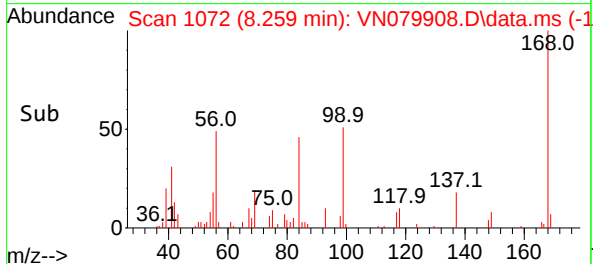
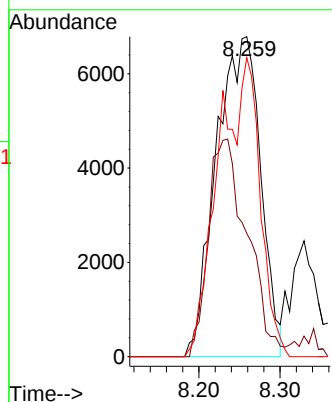
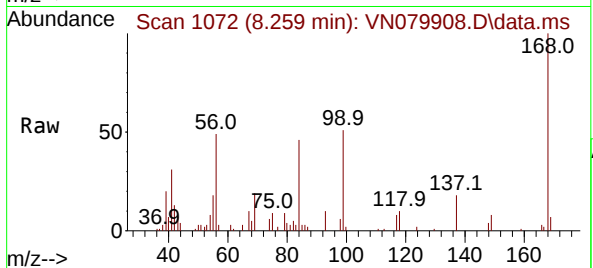
Tgt Ion: 56 Resp: 25825

Ion Ratio Lower Upper

56 100

69 38.6 26.8 40.2

84 93.5 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 60.267 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079908.D

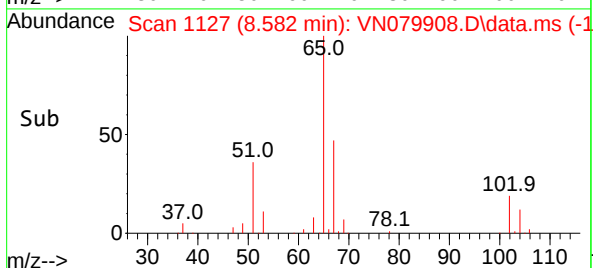
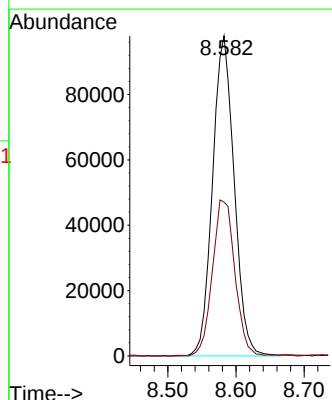
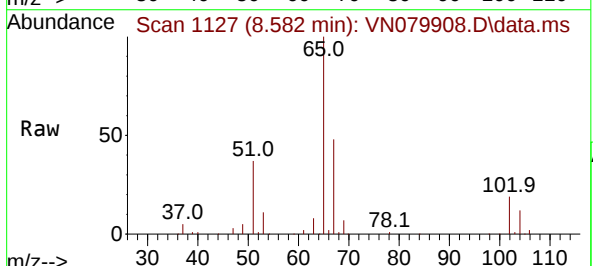
Acq: 04 Nov 2023 21:15

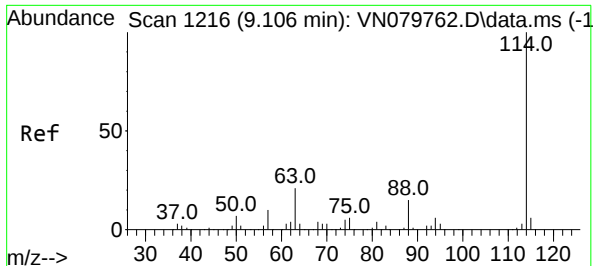
Tgt Ion: 65 Resp: 216376

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

Instrument :

MSVOA_N

ClientSampleId :

67S-SB14-1216

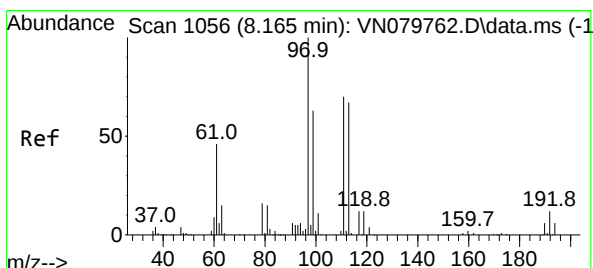
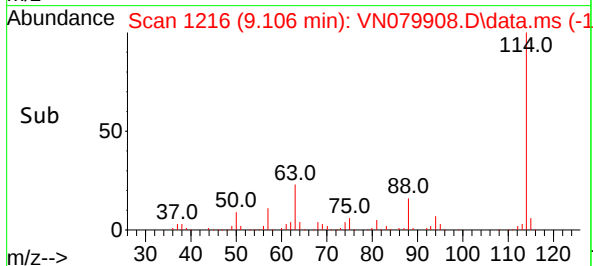
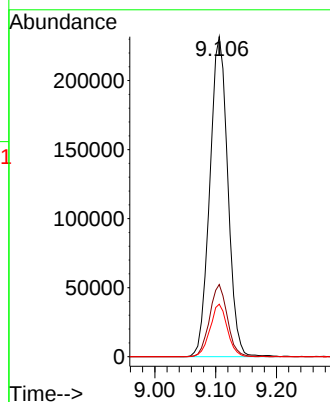
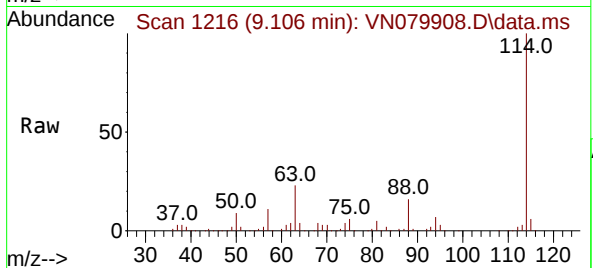
Tgt Ion:114 Resp: 475883

Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.752 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

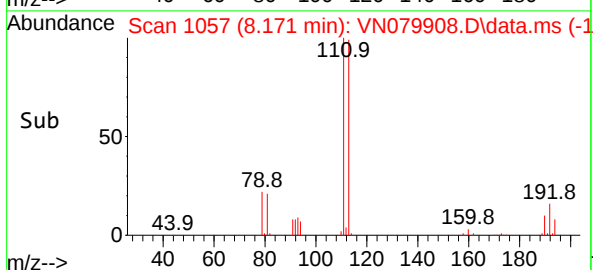
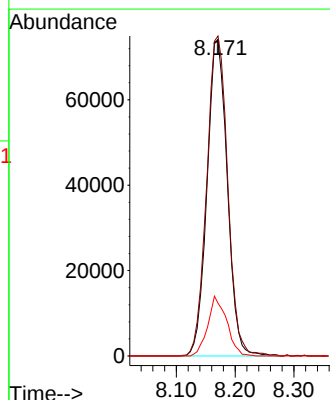
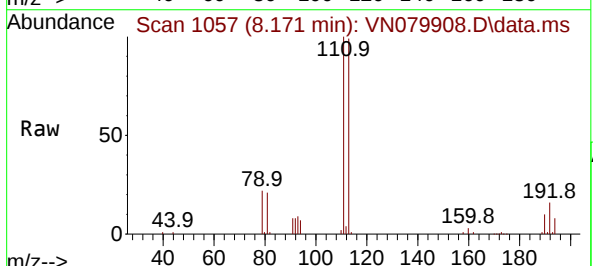
Tgt Ion:113 Resp: 177676

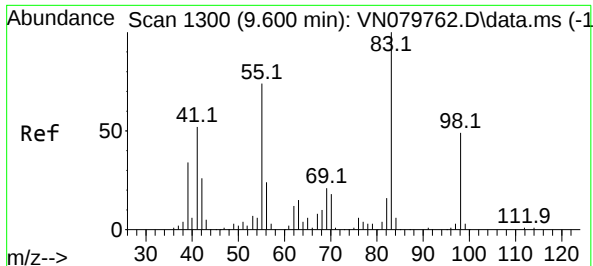
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 17.7 12.7 19.1

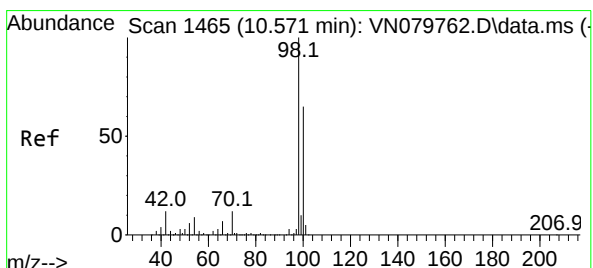
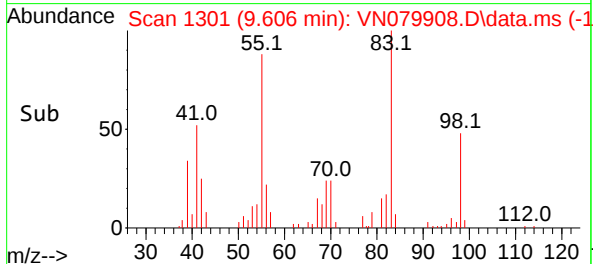
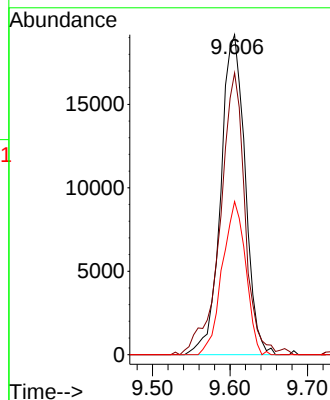
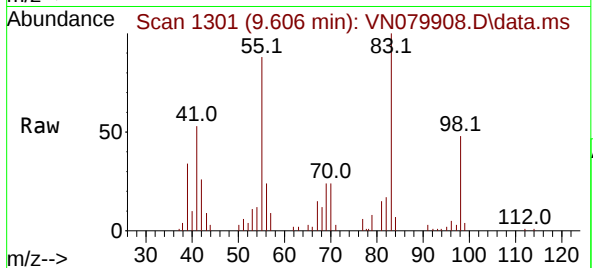




#39
Methylcyclohexane
Concen: 9.260 ug/l
RT: 9.606 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

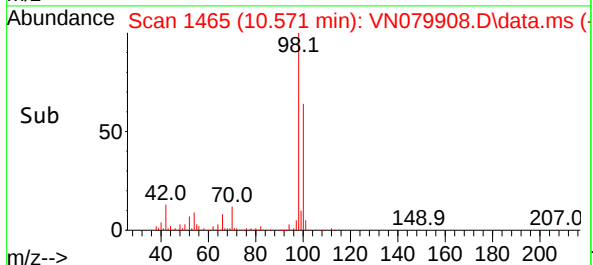
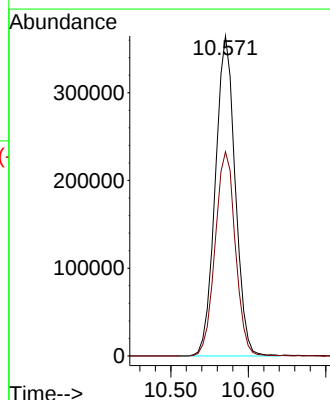
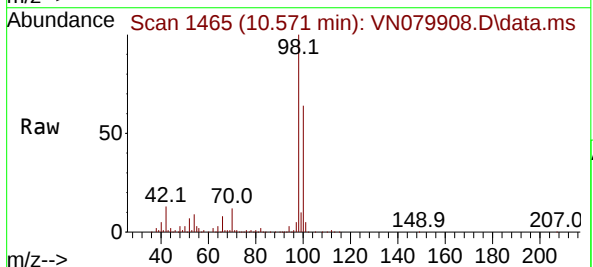
Instrument :
MSVOA_N
ClientSampleId :
67S-SB14-1216

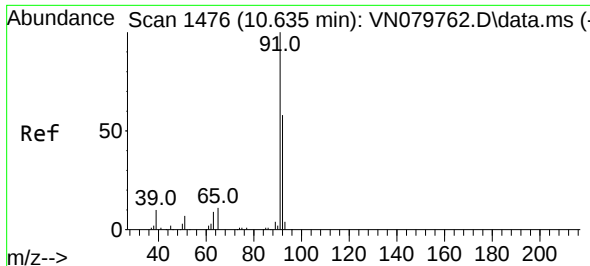
Tgt Ion: 83 Resp: 41907
Ion Ratio Lower Upper
83 100
55 88.1 49.1 73.7#
98 47.9 40.6 61.0



#50
Toluene-d8
Concen: 52.390 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion: 98 Resp: 649593
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

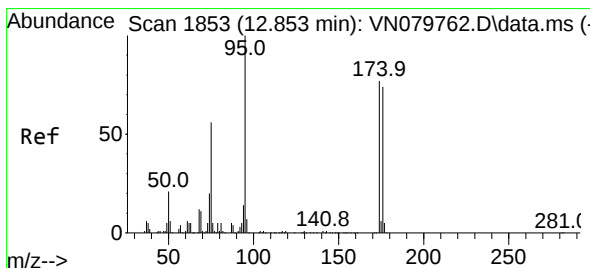
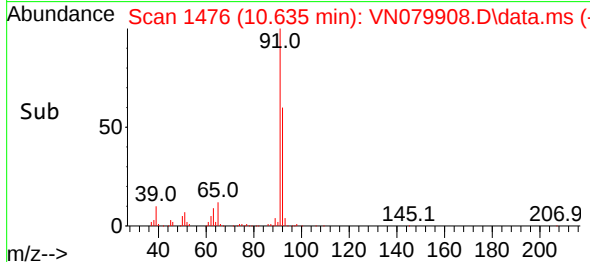
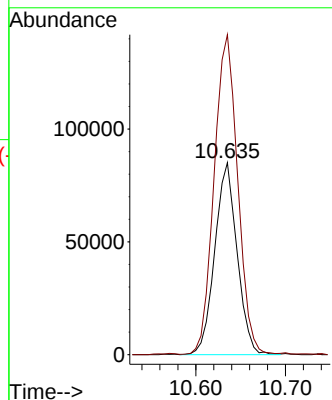
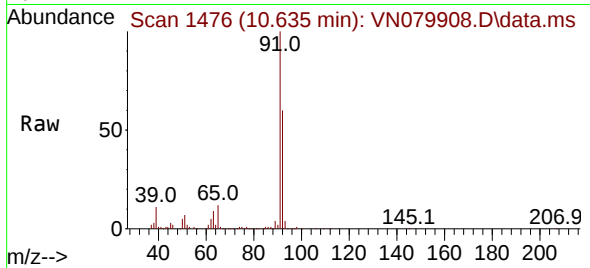




#52
Toluene
Concen: 17.208 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

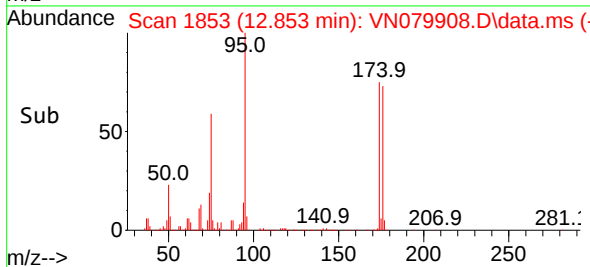
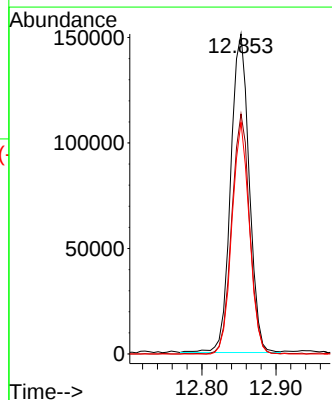
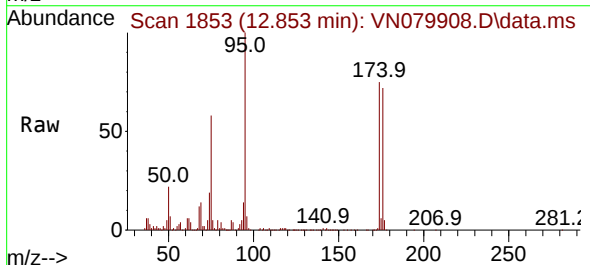
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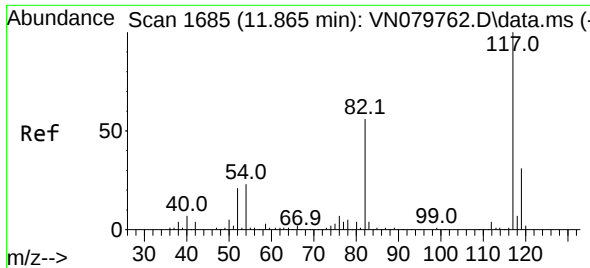
Tgt Ion: 92 Resp: 146941
Ion Ratio Lower Upper
92 100
91 175.5 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 63.625 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion: 95 Resp: 261641
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 68.6 0.0 135.8

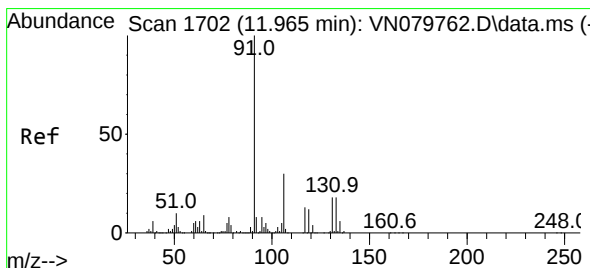
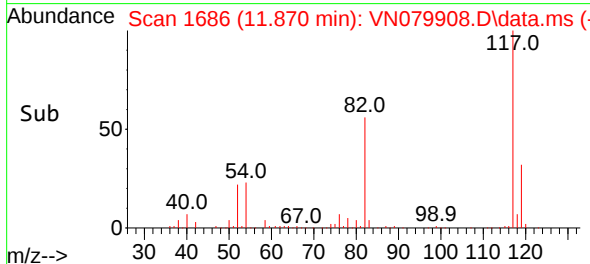
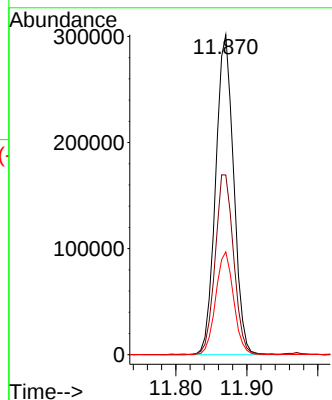
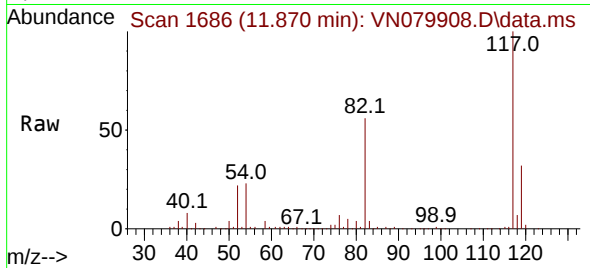




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

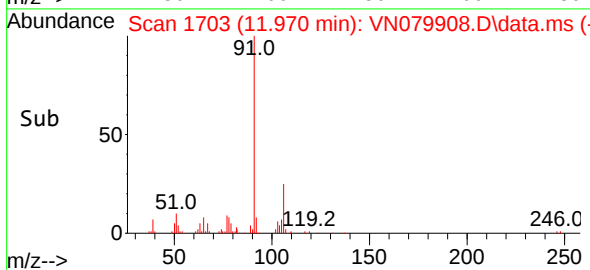
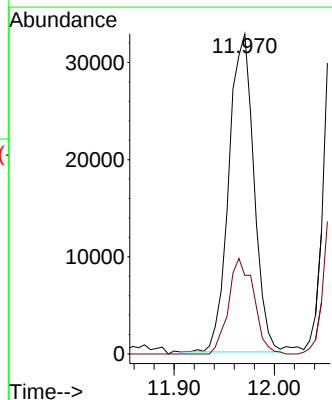
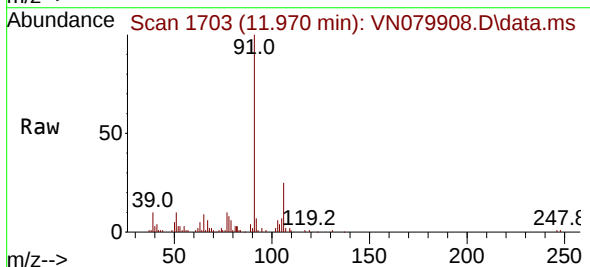
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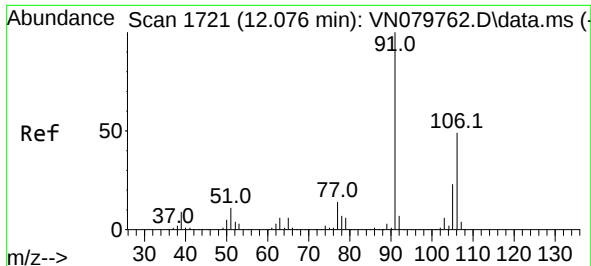
Tgt Ion:117 Resp: 529736
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 2.839 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion: 91 Resp: 56833
Ion Ratio Lower Upper
91 100
106 24.7 25.6 38.4#

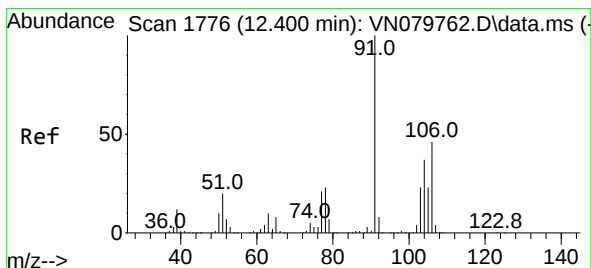
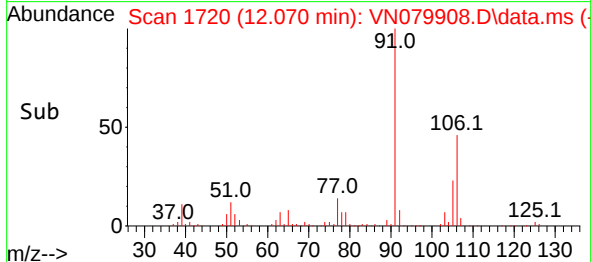
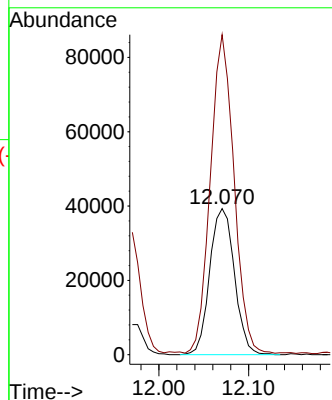
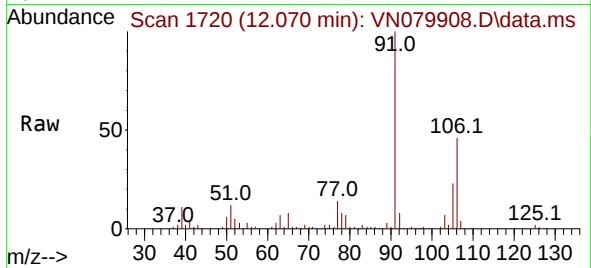




#68
m/p-Xylenes
Concen: 10.079 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

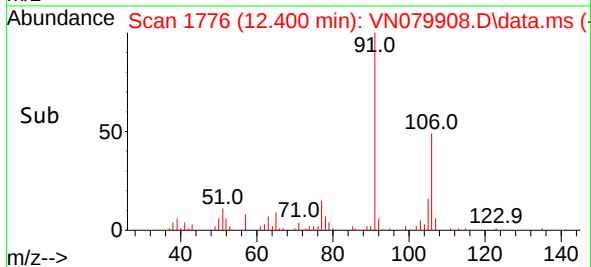
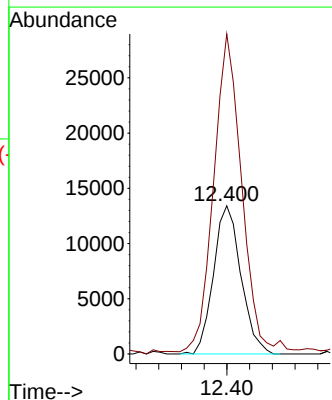
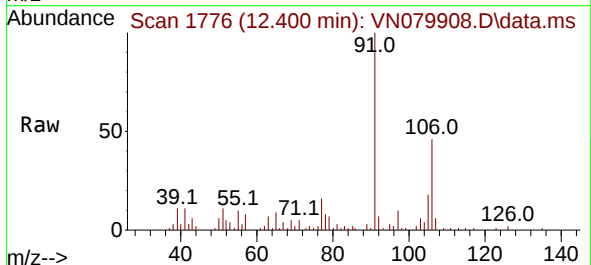
Instrument :
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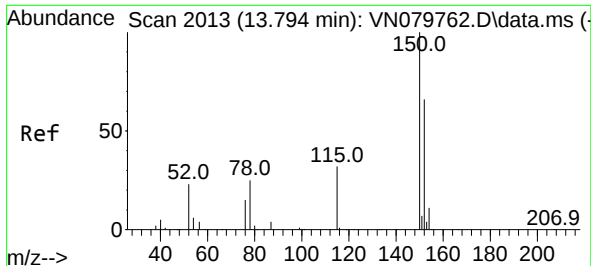
Tgt Ion:106 Resp: 75168
Ion Ratio Lower Upper
106 100
91 208.4 159.6 239.4



#69
o-Xylene
Concen: 3.132 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion:106 Resp: 22489
Ion Ratio Lower Upper
106 100
91 217.0 105.2 315.5

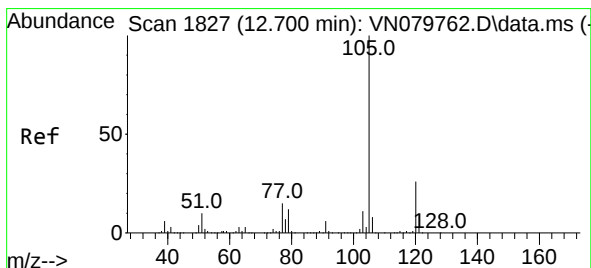
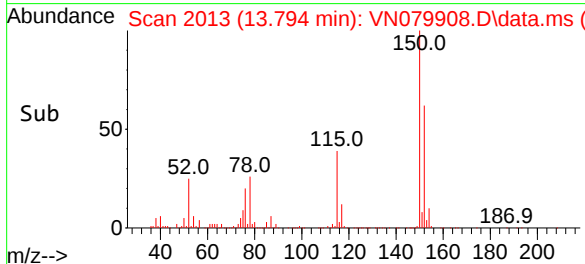
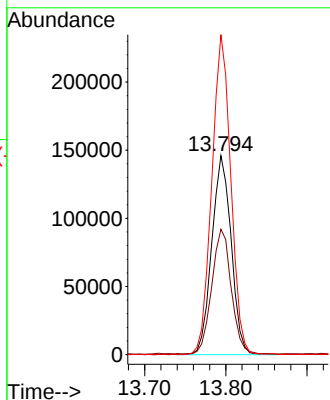
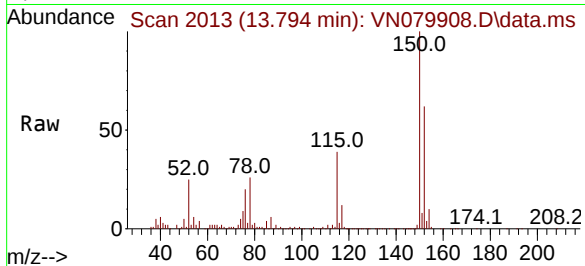




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

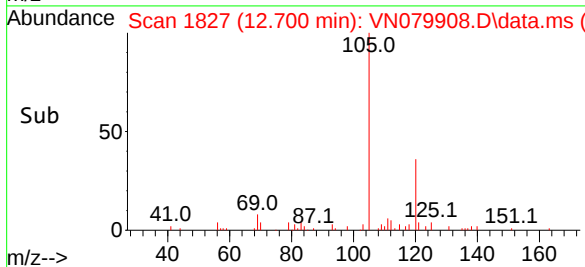
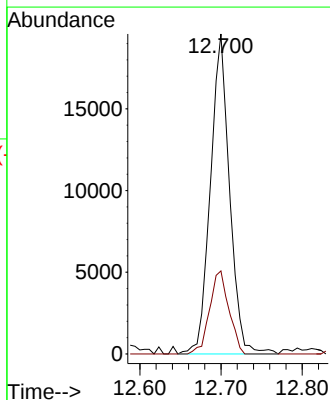
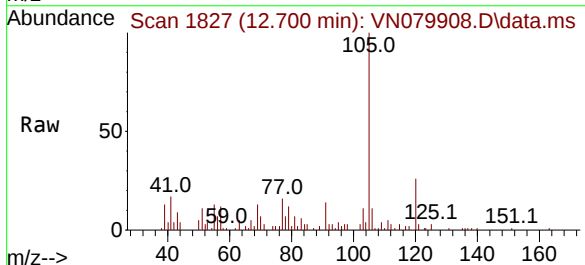
Instrument :
MSVOA_N
ClientSampleId :
67S-SB14-1216

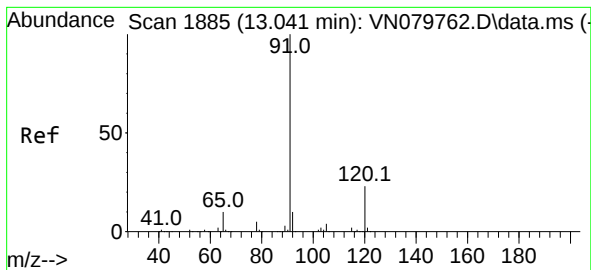
Tgt Ion:152 Resp: 243160
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 157.2 0.0 355.8



#73
Isopropylbenzene
Concen: 1.739 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Tgt Ion:105 Resp: 32093
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.1





#78

n-propylbenzene

Concen: 4.175 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

Instrument :

MSVOA_N

ClientSampleId :

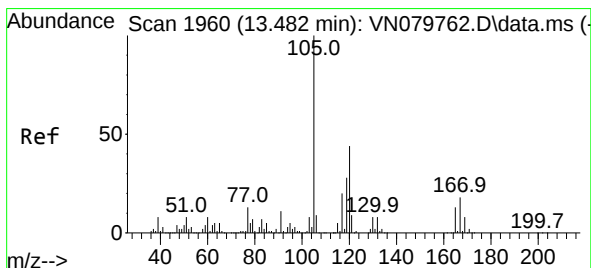
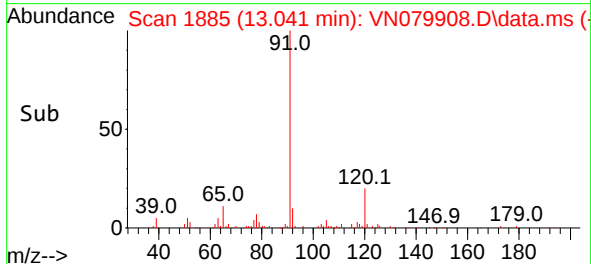
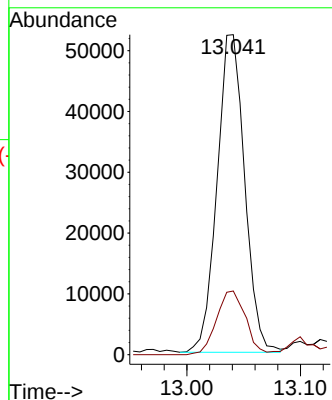
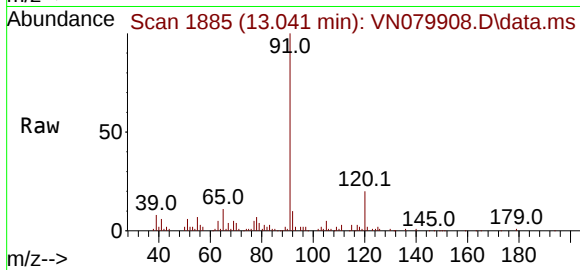
67S-SB14-1216

Tgt Ion: 91 Resp: 88229

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 1.751 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN079908.D

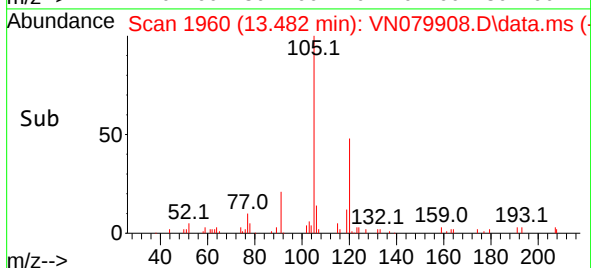
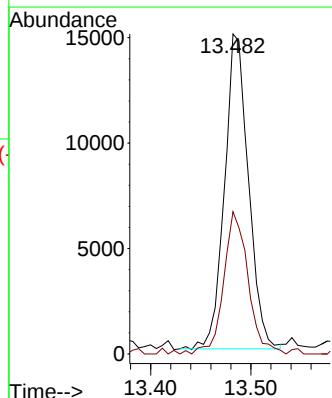
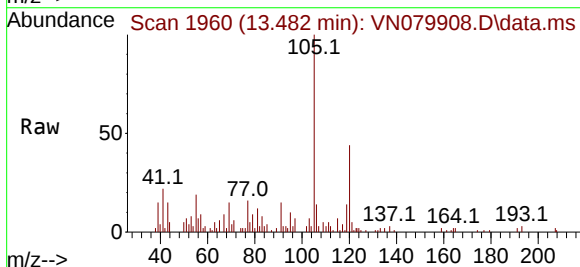
Acq: 04 Nov 2023 21:15

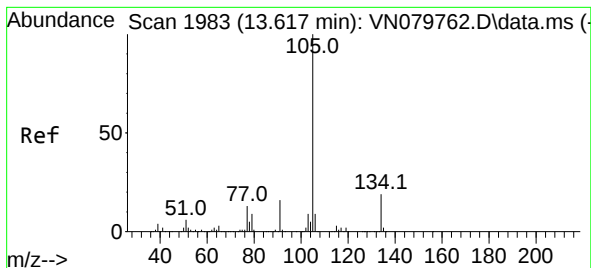
Tgt Ion: 105 Resp: 24741

Ion Ratio Lower Upper

105 100

120 46.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.171 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.006 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

Instrument :

MSVOA_N

ClientSampleId :

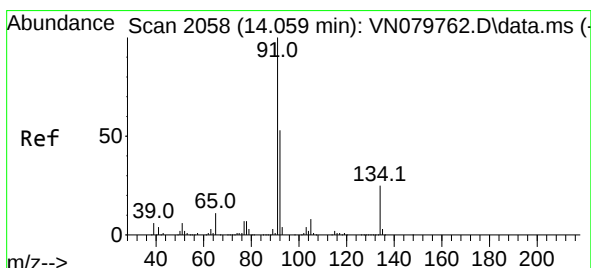
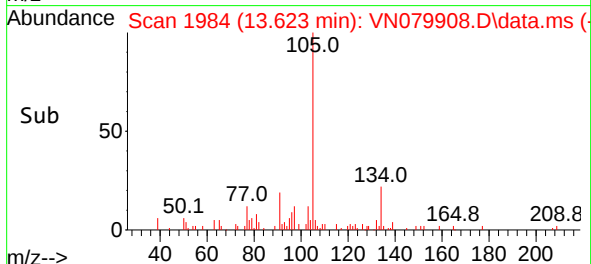
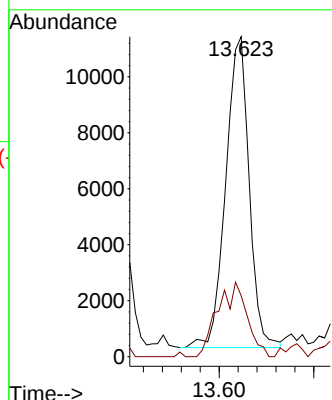
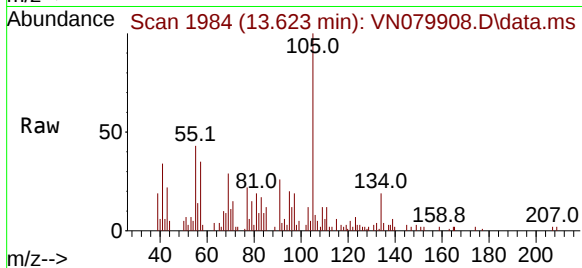
67S-SB14-1216

Tgt Ion:105 Resp: 19062

Ion Ratio Lower Upper

105 100

134 30.1 9.8 29.3#



#89

n-Butylbenzene

Concen: 2.051 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079908.D

Acq: 04 Nov 2023 21:15

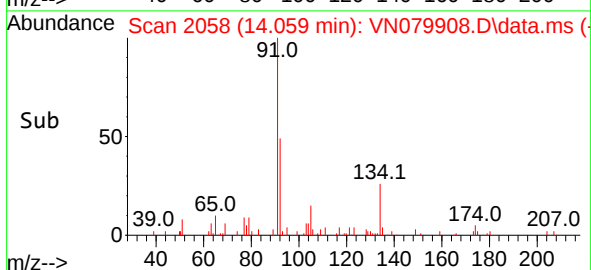
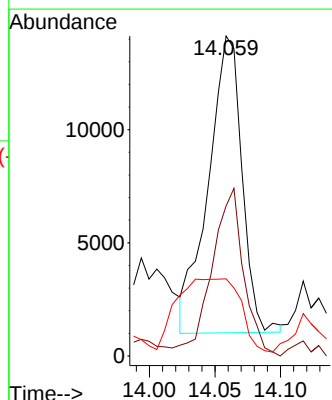
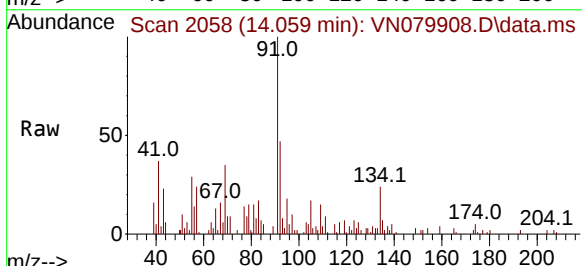
Tgt Ion: 91 Resp: 23447

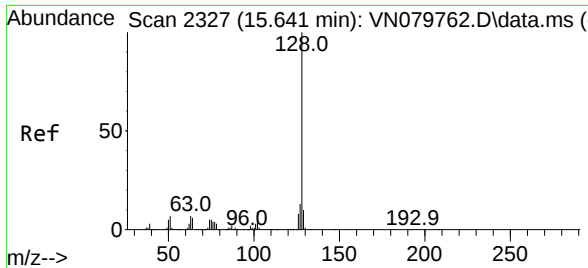
Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.0

134 46.8 12.6 37.6#





#95
Naphthalene
Concen: 8.845 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079908.D
Acq: 04 Nov 2023 21:15

Instrument :
MSVOA_N
ClientSampleId :
67S-SB14-1216

Tgt Ion:	128	Resp:	113169
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.0	15.0
129	10.8	8.7	13.1

