

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079909.D
 Acq On : 04 Nov 2023 21:39
 Operator : JC\MD
 Sample : 05102-11 20X
 Misc : 2.70g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 67S-SB16-1617

Quant Time: Nov 06 02:21:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

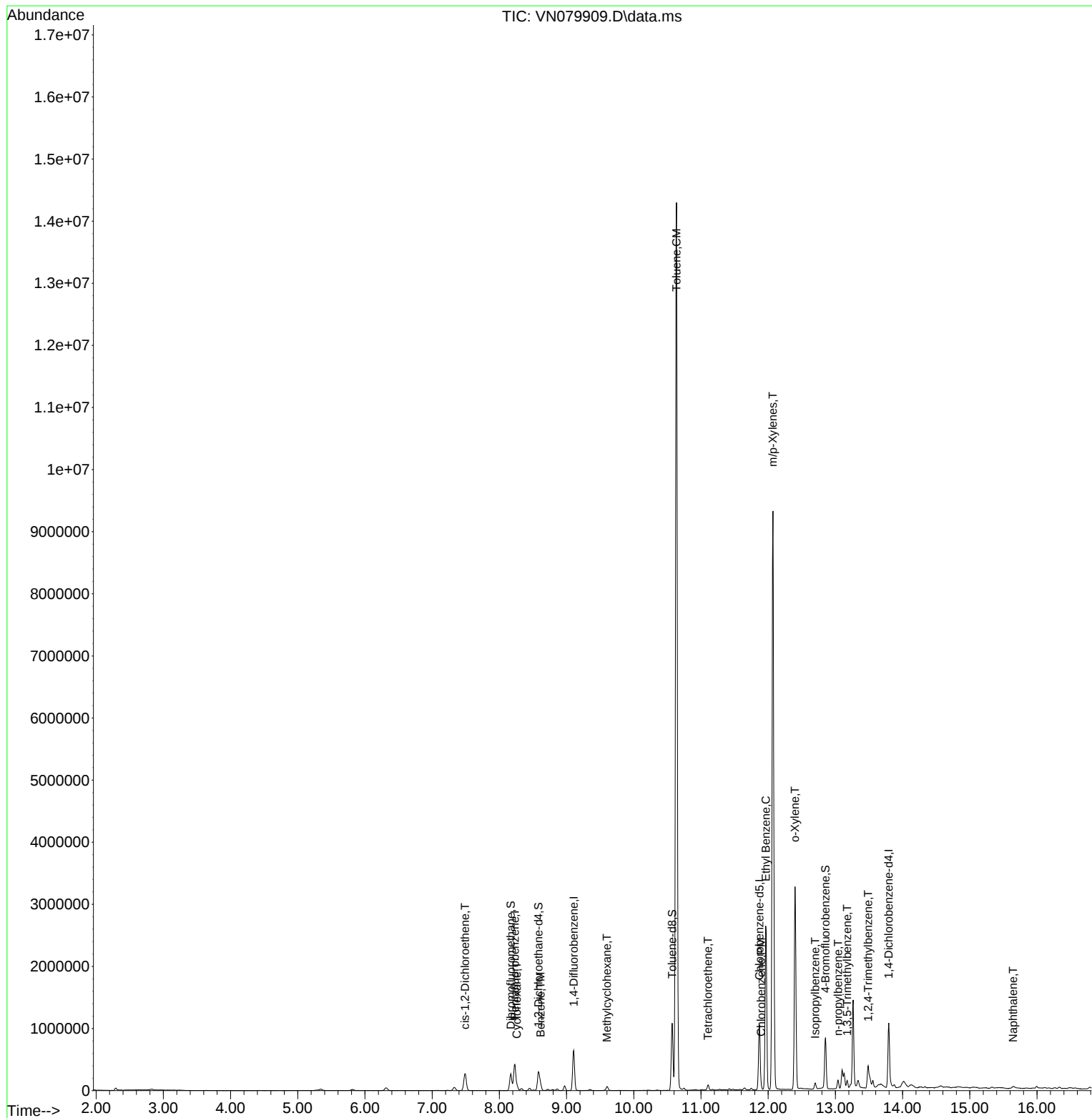
Internal Standards						
1) Pentafluorobenzene	8.230	168	272128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	580507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	225980	54.506	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.020%	
35) Dibromofluoromethane	8.171	113	189133	49.746	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.500%	
50) Toluene-d8	10.571	98	721923	51.579	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.160%	
62) 4-Bromofluorobenzene	12.853	95	286407	61.700	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.400%#	
Target Compounds						
						Qvalue
27) cis-1,2-Dichloroethene	7.489	96	164974	42.217	ug/l	97
31) Cyclohexane	8.259	56	50900	9.291	ug/l	93
39) Methylcyclohexane	9.600	83	24289	4.754	ug/l #	78
40) Benzene	8.612	78	104551	6.430	ug/l	99
52) Toluene	10.635	92	6123515	635.266	ug/l	100
64) Tetrachloroethene	11.106	164	18323	4.874	ug/l	87
65) Chlorobenzene	11.894	112	21478	1.706	ug/l	95
67) Ethyl Benzene	11.965	91	1912228	87.161	ug/l	95
68) m/p-Xylenes	12.071	106	2722547	333.129	ug/l	94
69) o-Xylene	12.400	106	838979	106.607	ug/l	92
73) Isopropylbenzene	12.700	105	58216	2.887	ug/l	98
78) n-propylbenzene	13.041	91	110566	4.788	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	65004	4.143	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	193410	12.530	ug/l	99
95) Naphthalene	15.647	128	17705	1.266	ug/l #	88

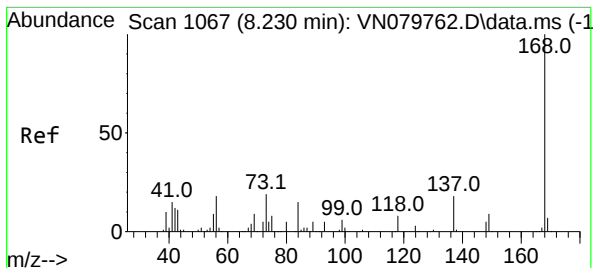
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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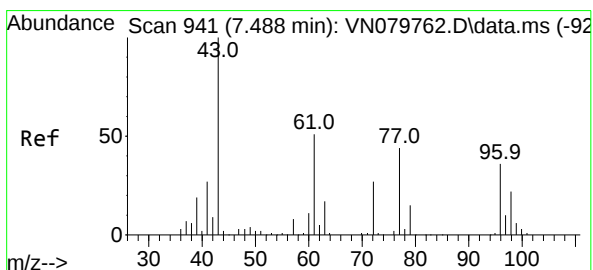
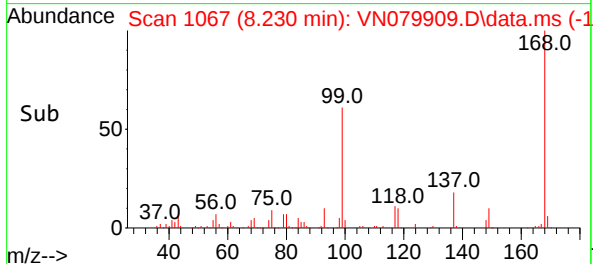
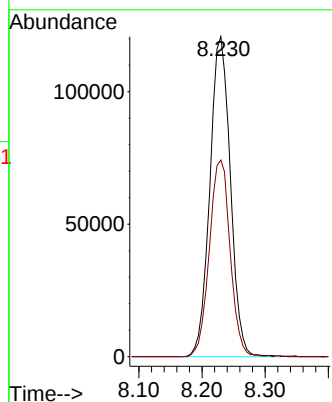
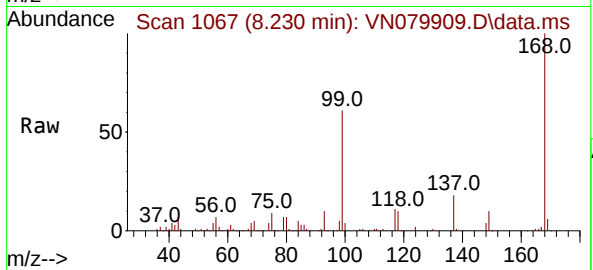




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

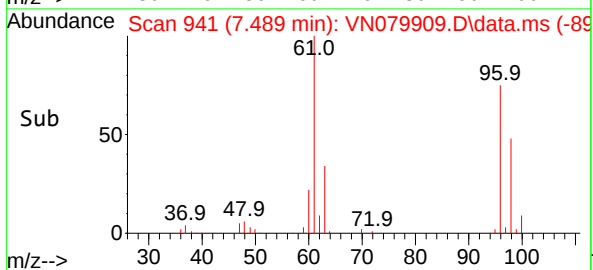
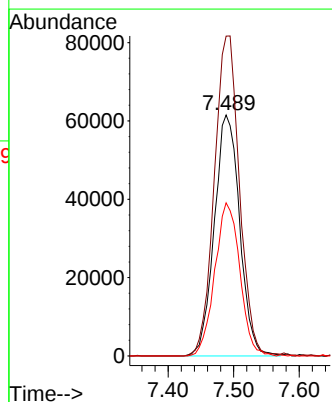
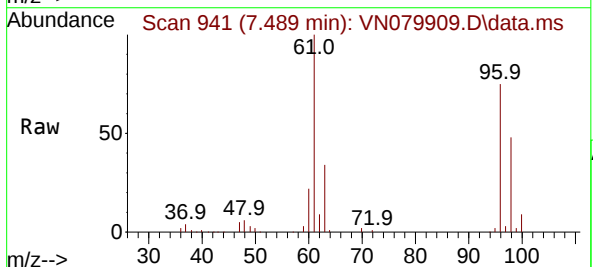
Instrument :
MSVOA_N
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67S-SB16-1617

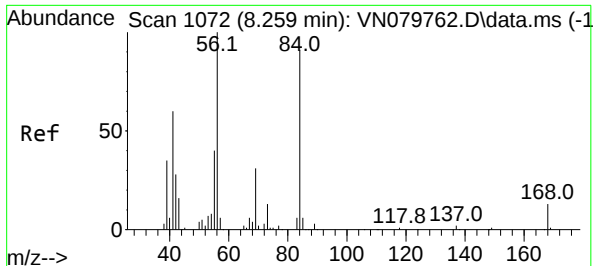
Tgt Ion:168 Resp: 272128
Ion Ratio Lower Upper
168 100
99 61.5 53.0 79.6



#27
cis-1,2-Dichloroethene
Concen: 42.217 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion: 96 Resp: 164974
Ion Ratio Lower Upper
96 100
61 132.0 0.0 255.2
98 62.7 0.0 128.8

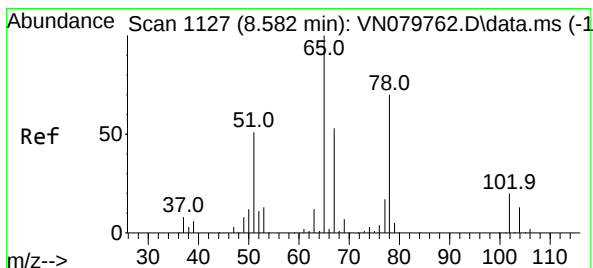
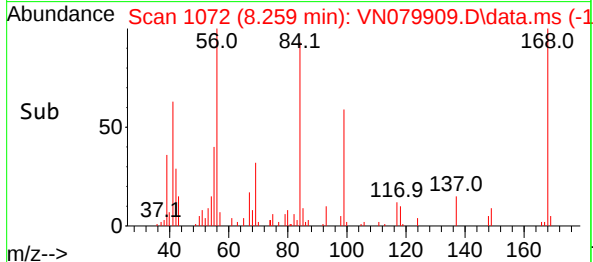
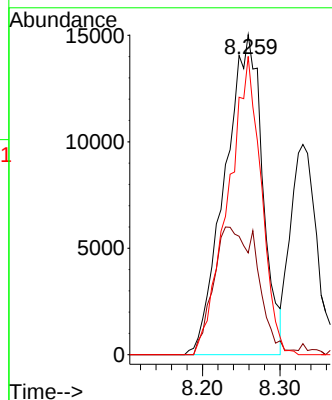
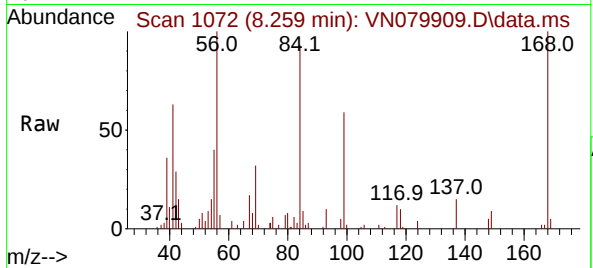




#31
Cyclohexane
Concen: 9.291 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

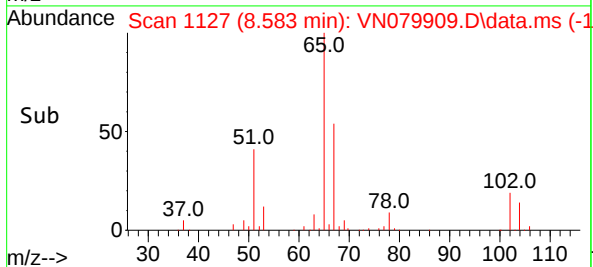
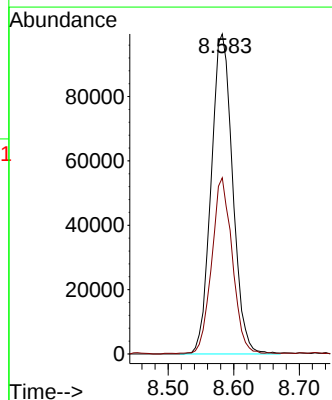
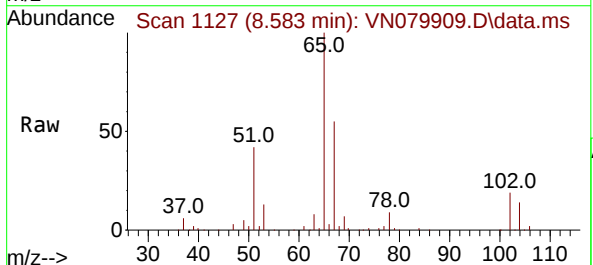
Instrument :
MSVOA_N
ClientSampleId :
67S-SB16-1617

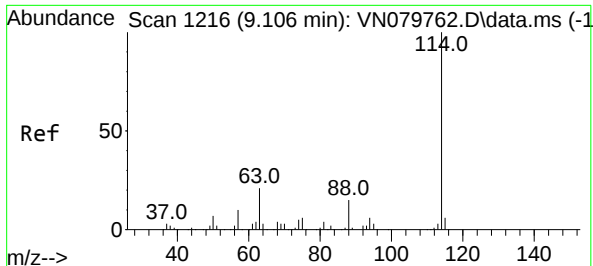
Tgt Ion: 56 Resp: 50900
Ion Ratio Lower Upper
56 100
69 31.8 26.8 40.2
84 93.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.506 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion: 65 Resp: 225980
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079909.D

Acq: 04 Nov 2023 21:39

Instrument :

MSVOA_N

ClientSampleId :

67S-SB16-1617

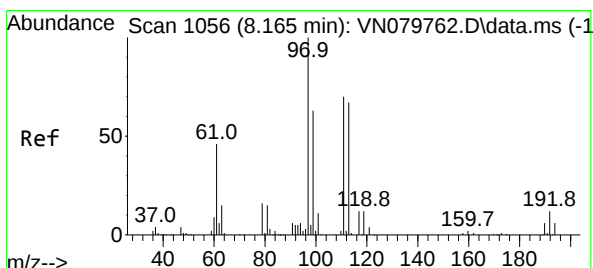
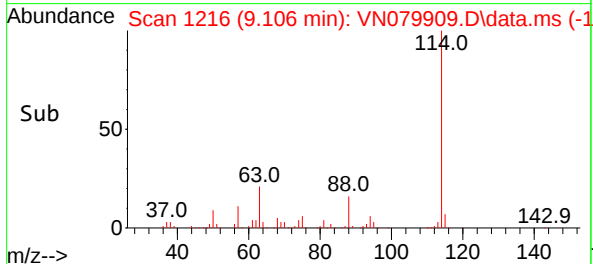
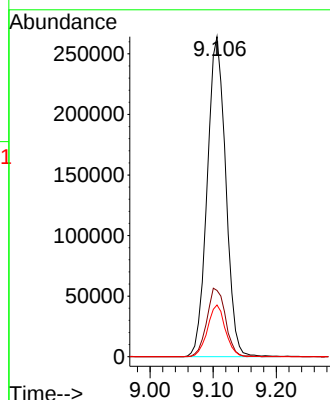
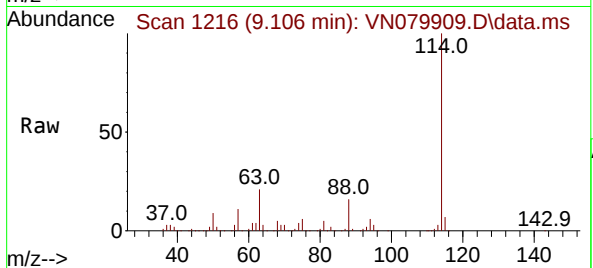
Tgt Ion:114 Resp: 537186

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.746 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079909.D

Acq: 04 Nov 2023 21:39

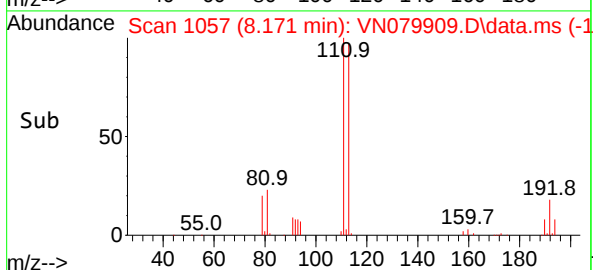
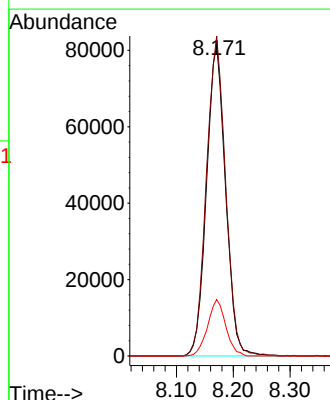
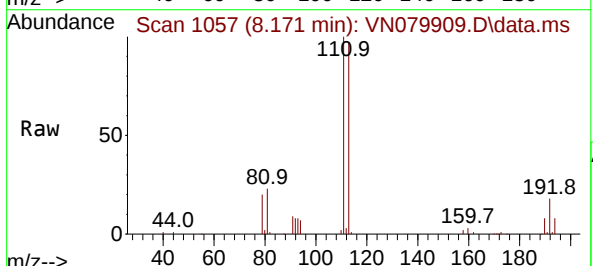
Tgt Ion:113 Resp: 189133

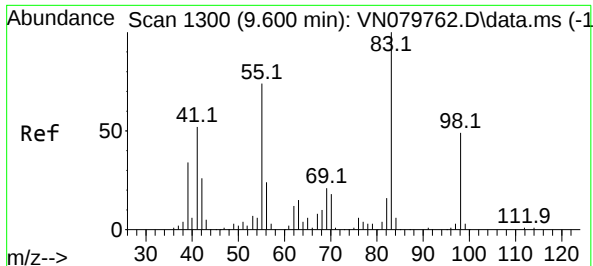
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.3 12.7 19.1





#39

Methylcyclohexane

Concen: 4.754 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN079909.D

Acq: 04 Nov 2023 21:39

Instrument :

MSVOA_N

ClientSampleId :

67S-SB16-1617

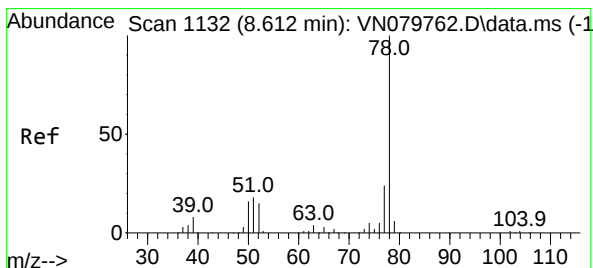
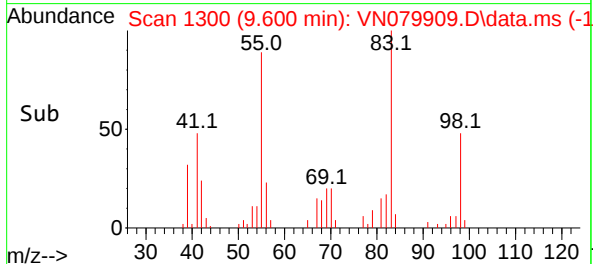
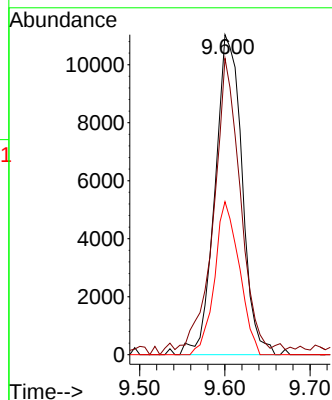
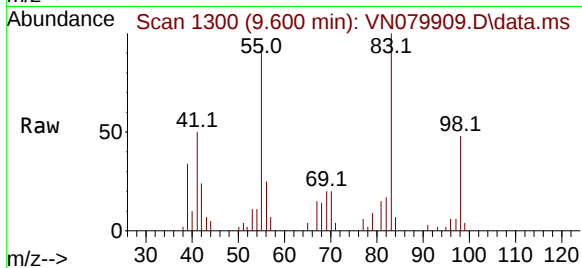
Tgt Ion: 83 Resp: 24289

Ion Ratio Lower Upper

83 100

55 89.7 49.1 73.7#

98 47.8 40.6 61.0



#40

Benzene

Concen: 6.430 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079909.D

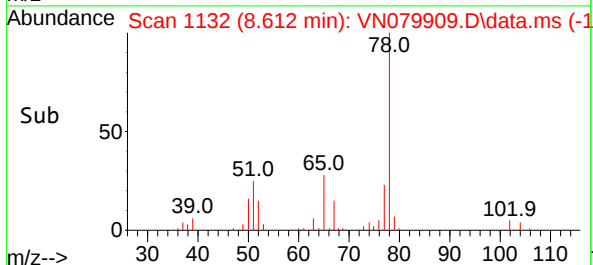
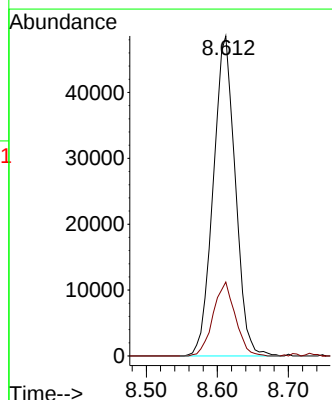
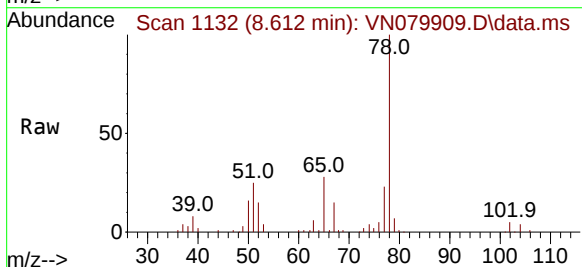
Acq: 04 Nov 2023 21:39

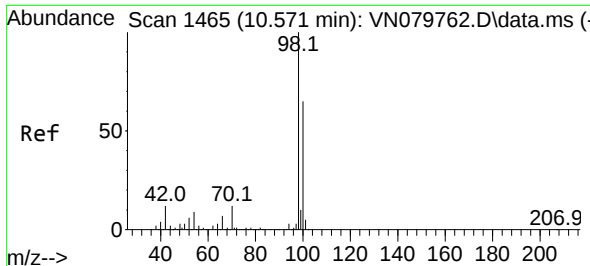
Tgt Ion: 78 Resp: 104551

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

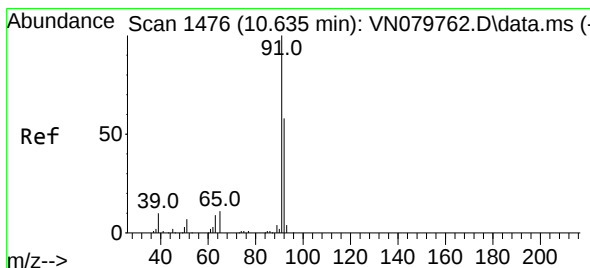
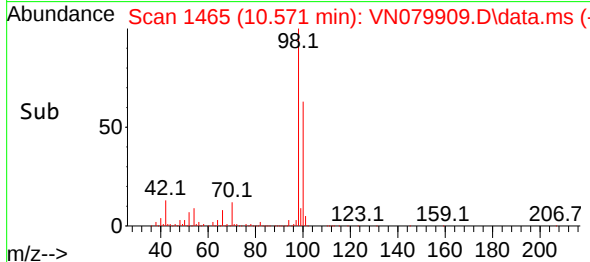
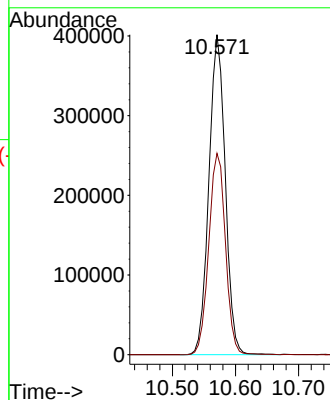
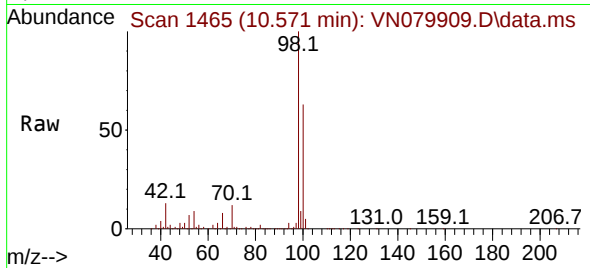




#50
Toluene-d8
Concen: 51.579 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

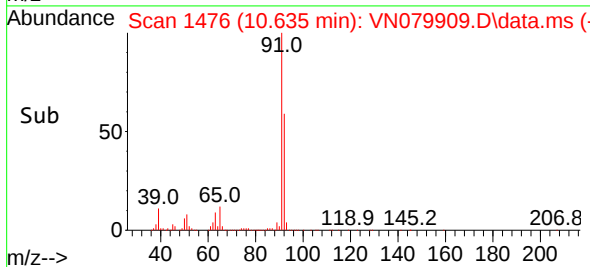
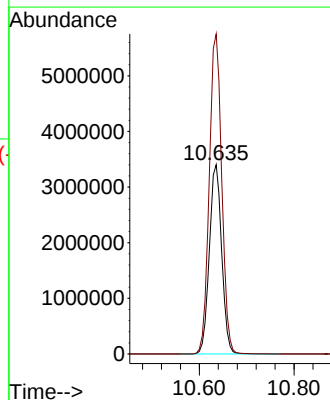
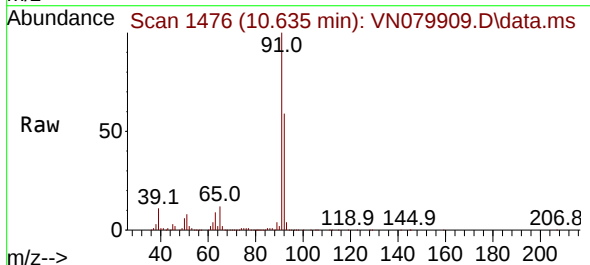
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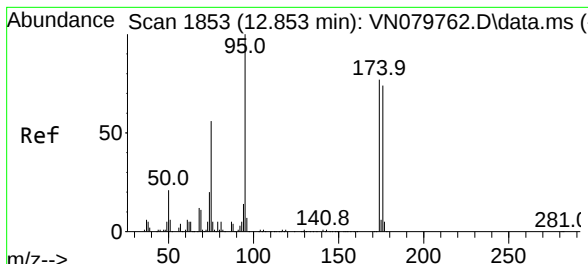
Tgt Ion: 98 Resp: 721923
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#52
Toluene
Concen: 635.266 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion: 92 Resp: 6123515
Ion Ratio Lower Upper
92 100
91 171.4 137.4 206.0

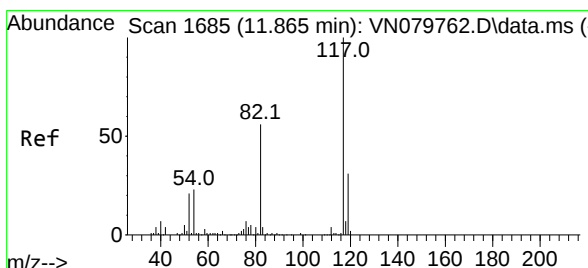
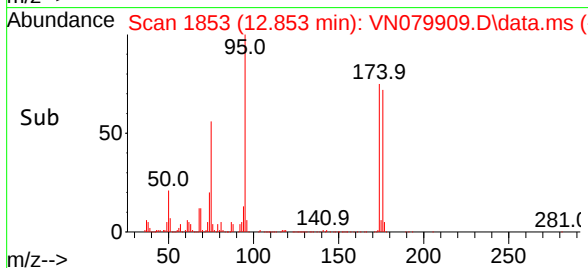
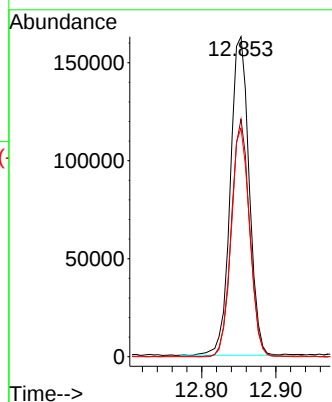
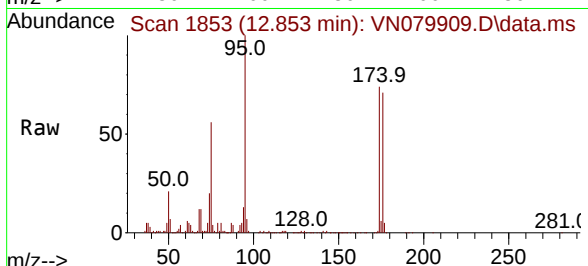




#62
4-Bromofluorobenzene
Concen: 61.700 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

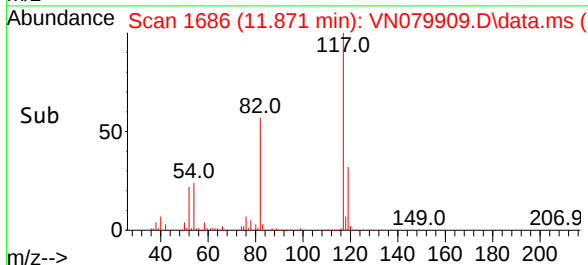
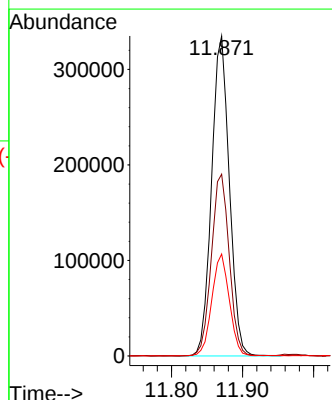
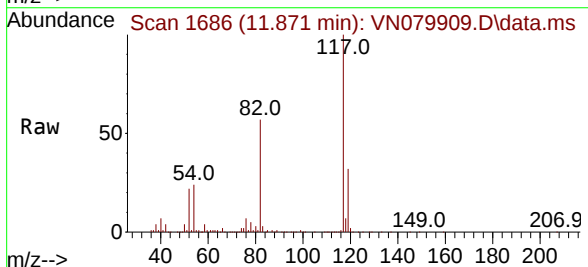
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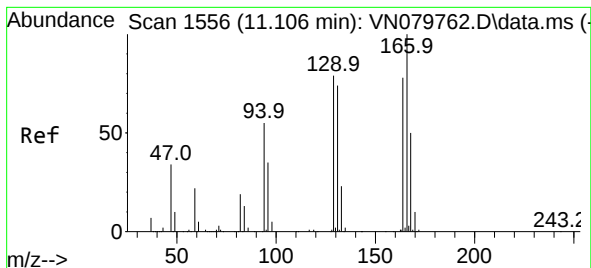
Tgt Ion: 95 Resp: 286407
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 70.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion: 117 Resp: 580507
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 31.8 25.6 38.4





#64

Tetrachloroethene

Concen: 4.874 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN079909.D

Acq: 04 Nov 2023 21:39

Instrument :

MSVOA_N

ClientSampleId :

67S-SB16-1617

Tgt Ion:164 Resp: 18323

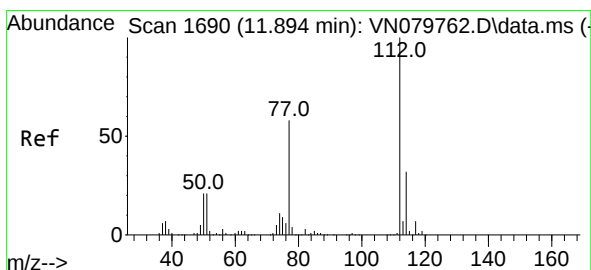
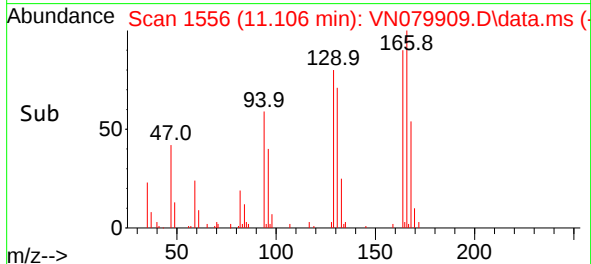
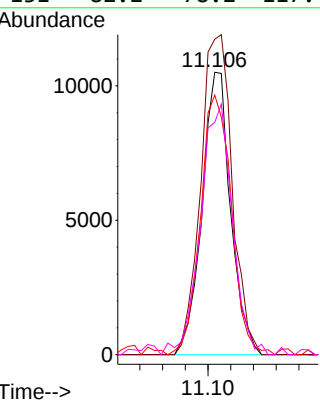
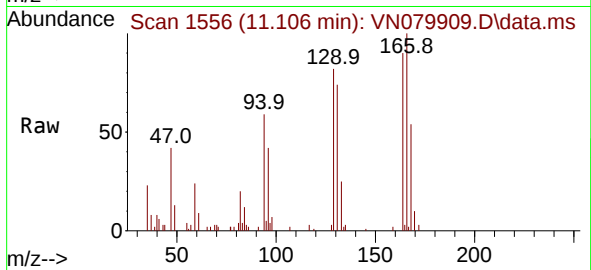
Ion Ratio Lower Upper

164 100

166 111.7 101.4 152.0

129 91.9 82.4 123.6

131 82.2 78.2 117.4



#65

Chlorobenzene

Concen: 1.706 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. 0.000 min

Lab File: VN079909.D

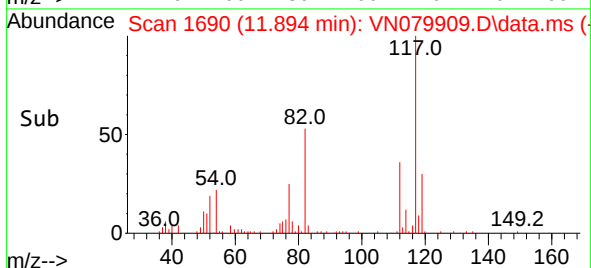
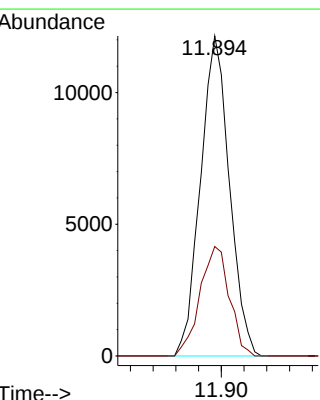
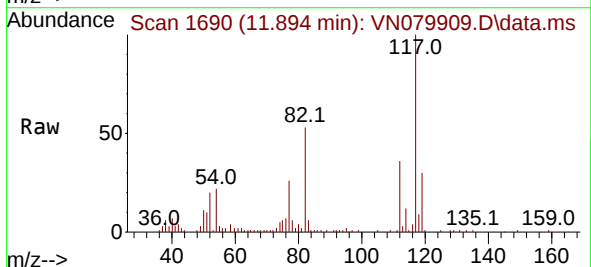
Acq: 04 Nov 2023 21:39

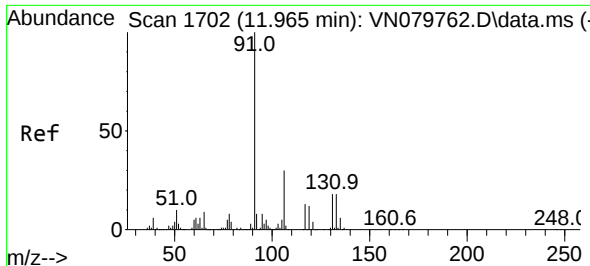
Tgt Ion:112 Resp: 21478

Ion Ratio Lower Upper

112 100

114 34.2 25.0 37.4

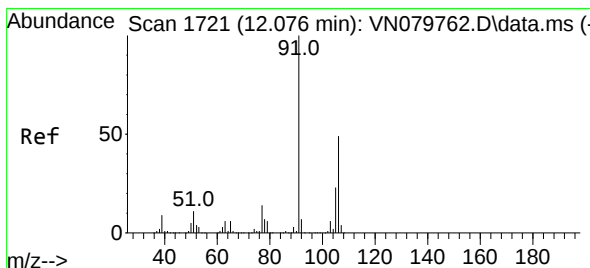
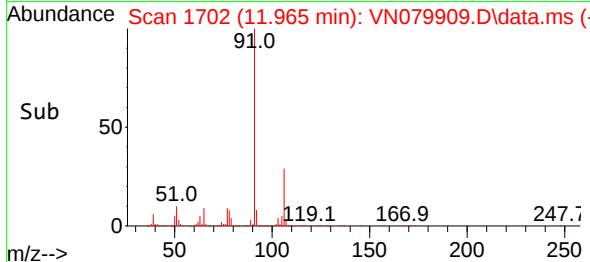
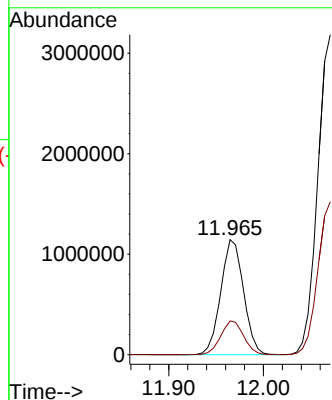
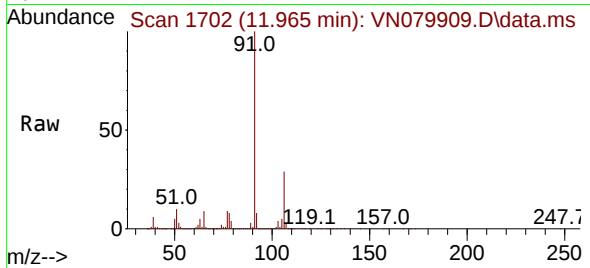




#67
Ethyl Benzene
Concen: 87.161 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

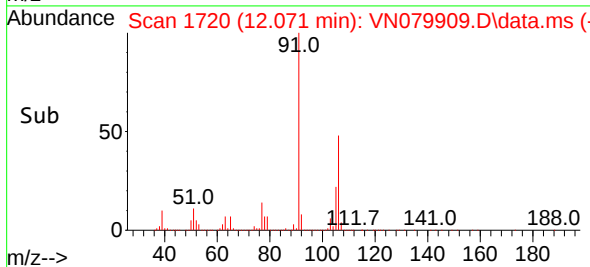
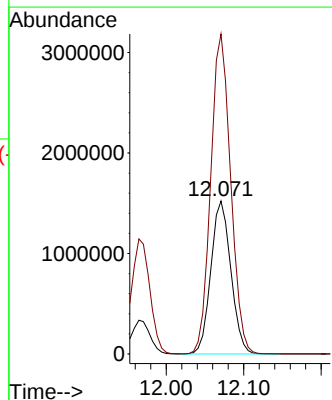
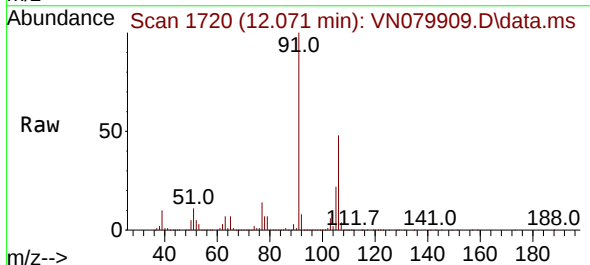
Instrument :
MSVOA_N
ClientSampleId :
67S-SB16-1617

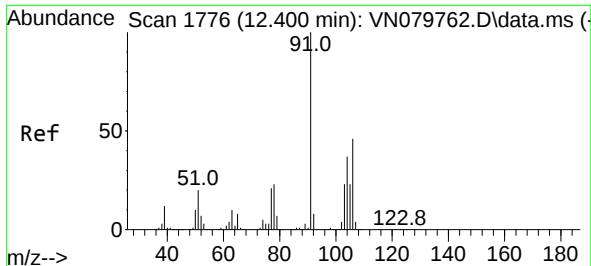
Tgt Ion: 91 Resp: 1912228
Ion Ratio Lower Upper
91 100
106 29.4 25.6 38.4



#68
m/p-Xylenes
Concen: 333.129 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion:106 Resp: 2722547
Ion Ratio Lower Upper
106 100
91 209.1 159.6 239.4

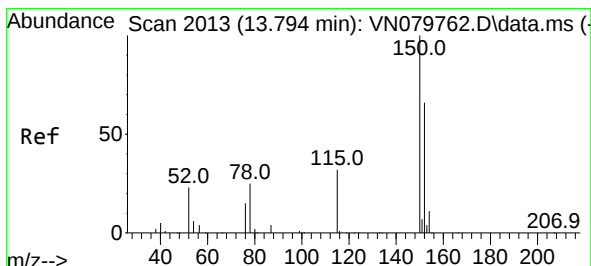
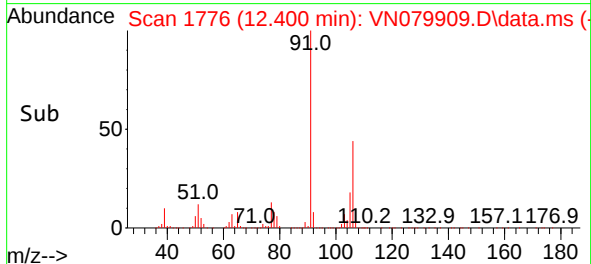
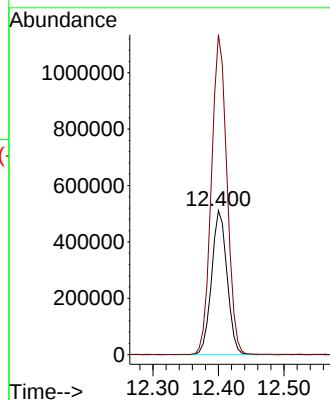
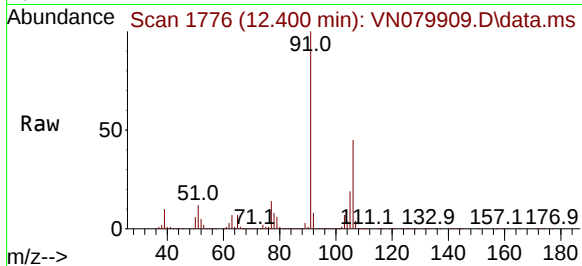




#69
o-Xylene
Concen: 106.607 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

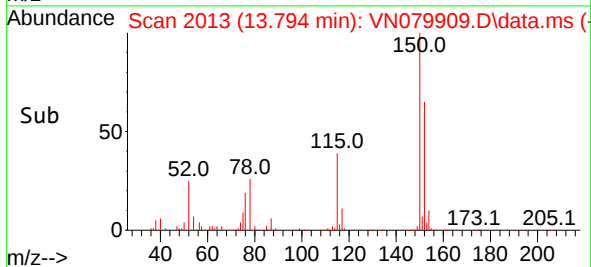
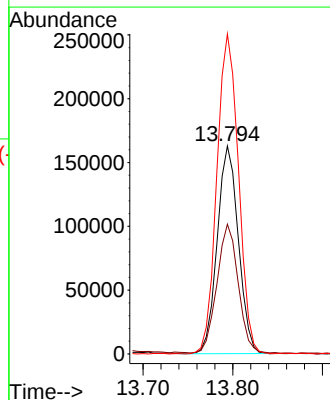
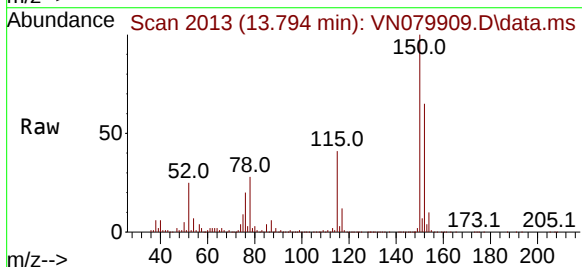
Instrument :
MSVOA_N
ClientSampleId :
67S-SB16-1617

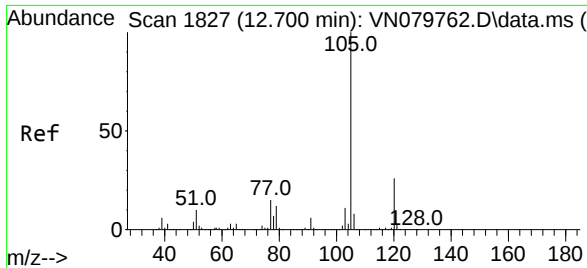
Tgt Ion:106 Resp: 838979
Ion Ratio Lower Upper
106 100
91 222.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion:152 Resp: 265693
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 157.7 0.0 355.8

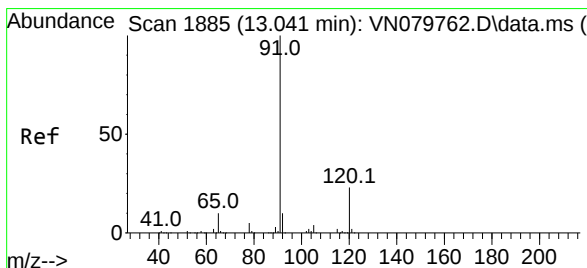
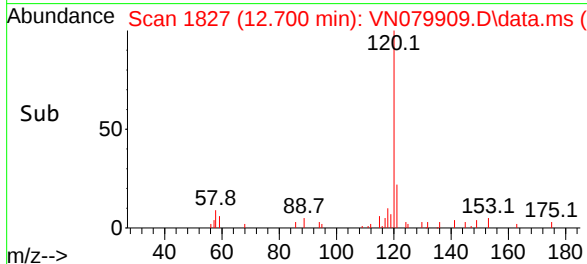
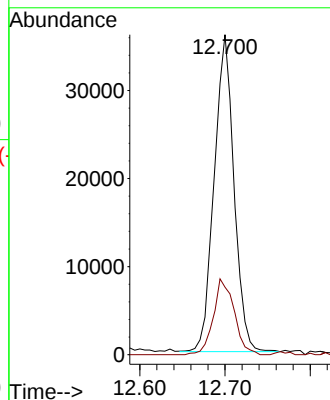
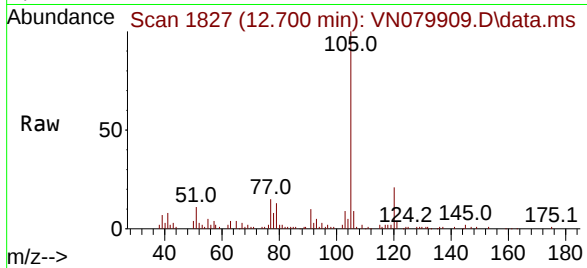




#73
Isopropylbenzene
Concen: 2.887 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

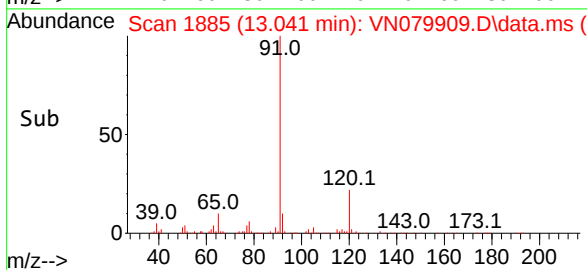
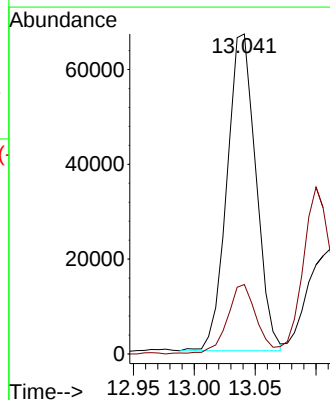
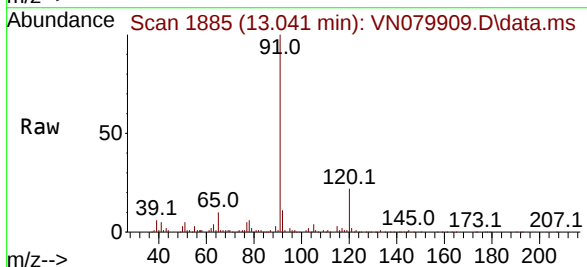
Instrument :
MSVOA_N
ClientSampleId :
67S-SB16-1617

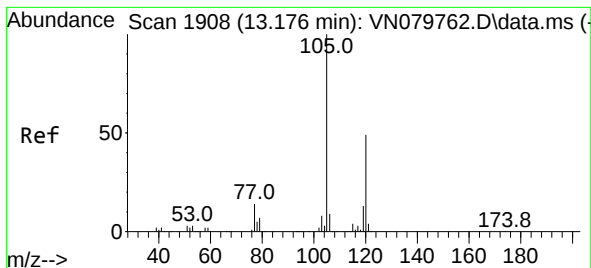
Tgt Ion:105 Resp: 58216
Ion Ratio Lower Upper
105 100
120 25.2 13.1 39.1



#78
n-propylbenzene
Concen: 4.788 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079909.D
Acq: 04 Nov 2023 21:39

Tgt Ion: 91 Resp: 110566
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 4.143 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079909.D

Acq: 04 Nov 2023 21:39

Instrument :

MSVOA_N

ClientSampleId :

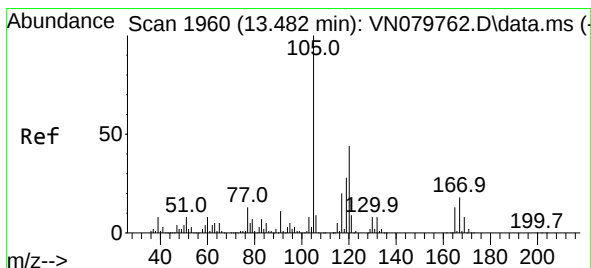
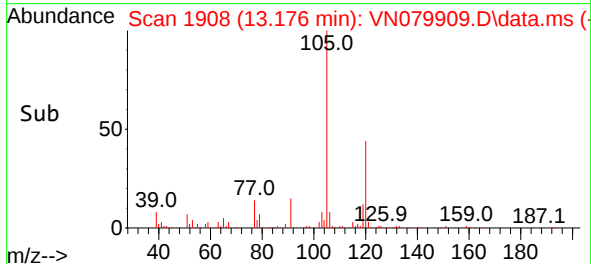
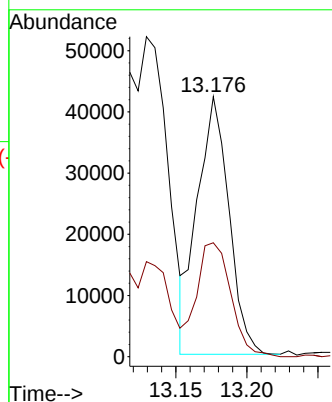
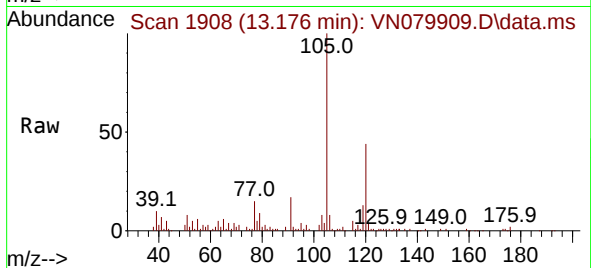
67S-SB16-1617

Tgt Ion:105 Resp: 65004

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 12.530 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VN079909.D

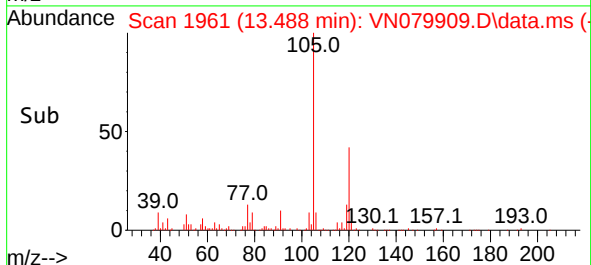
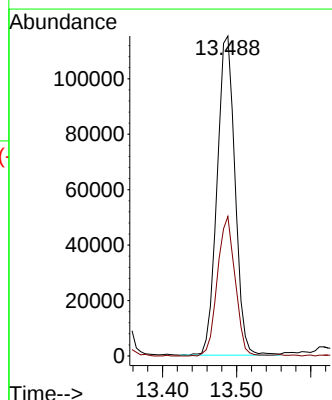
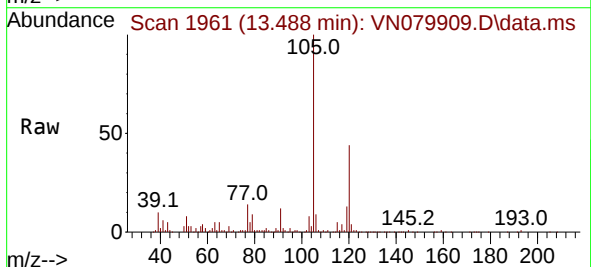
Acq: 04 Nov 2023 21:39

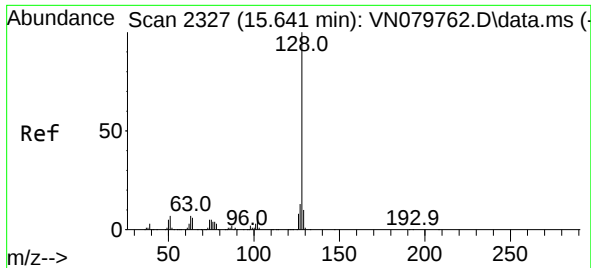
Tgt Ion:105 Resp: 193410

Ion Ratio Lower Upper

105 100

120 43.4 22.0 66.0





#95

Naphthalene

Concen: 1.266 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN079909.D

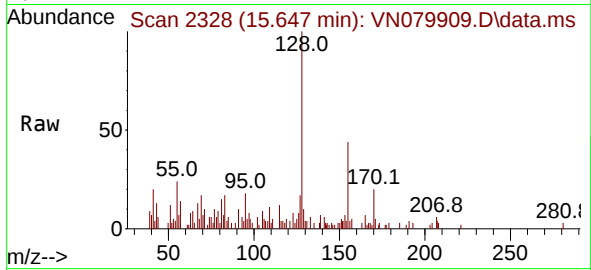
Acq: 04 Nov 2023 21:39

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:	128	Resp:	17705
Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.0	15.0#
129	8.8	8.7	13.1

