

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092123\
 Data File : VN079324.D
 Acq On : 21 Sep 2023 14:34
 Operator : JC\MD
 Sample : 04510-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-13

Quant Time: Sep 22 02:32:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	162410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	313225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	287364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	101060	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122317	55.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.580%
35) Dibromofluoromethane	8.171	113	93902	45.069	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.140%
50) Toluene-d8	10.571	98	343858	44.947	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.900%
62) 4-Bromofluorobenzene	12.853	95	117385	48.103	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.200%

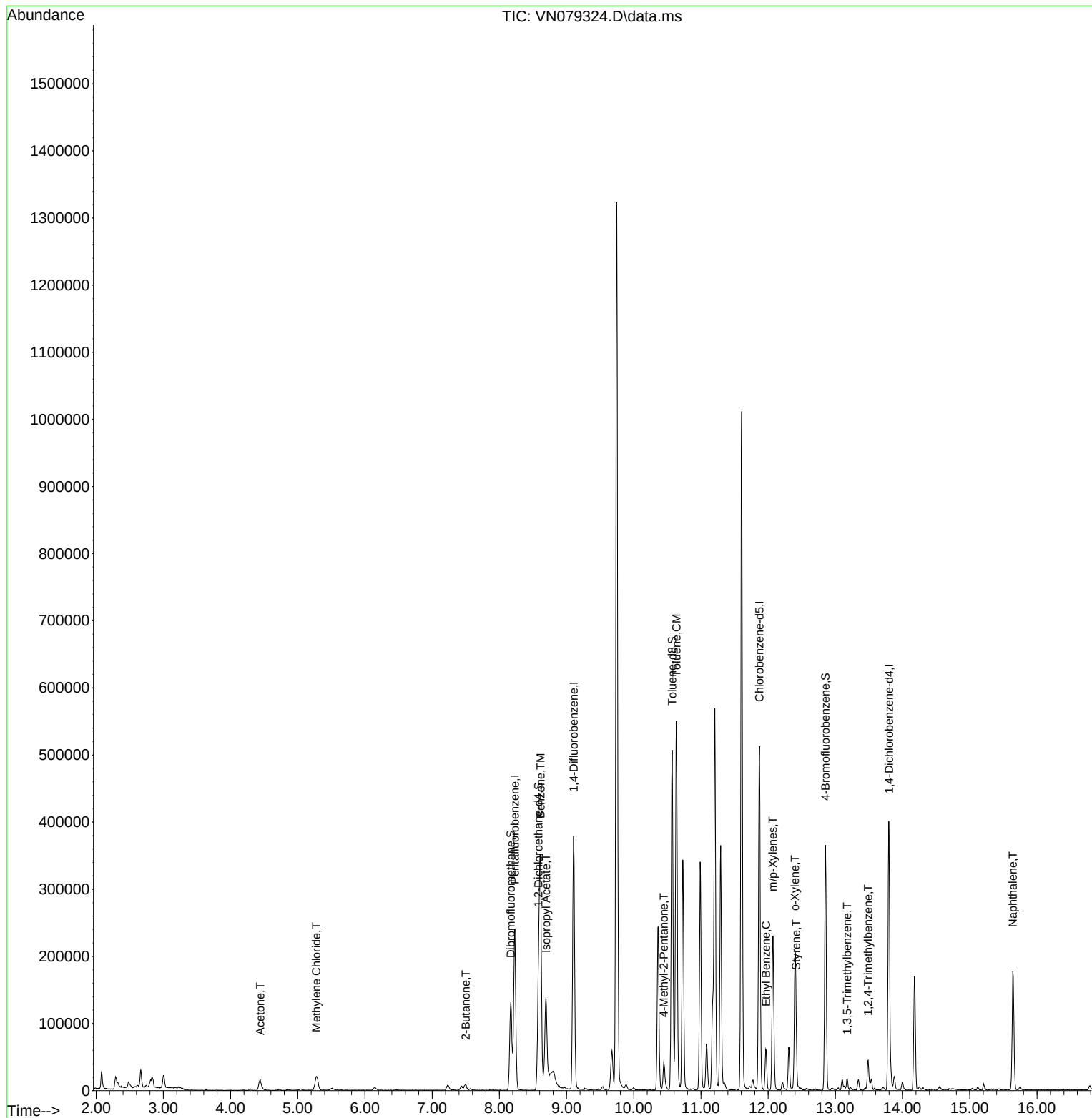
Target Compounds						Qvalue
16) Acetone	4.442	43	29241	31.404	ug/l	90
20) Methylene Chloride	5.277	84	16339	7.211	ug/l #	74
25) 2-Butanone	7.500	43	15042	11.134	ug/l #	78
40) Benzene	8.612	78	321630	32.716	ug/l	99
43) Isopropyl Acetate	8.694	43	171435	32.800	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	31404	10.351	ug/l #	83
52) Toluene	10.635	92	237758	39.352	ug/l	98
67) Ethyl Benzene	11.970	91	35925	3.226	ug/l	100
68) m/p-Xylenes	12.070	106	68531	16.512	ug/l	92
69) o-Xylene	12.400	106	49196	12.359	ug/l	93
70) Styrene	12.418	104	24013	3.751	ug/l #	69
80) 1,3,5-Trimethylbenzene	13.176	105	8681	1.133	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	25653	3.516	ug/l	97
95) Naphthalene	15.641	128	154809	38.476	ug/l	99

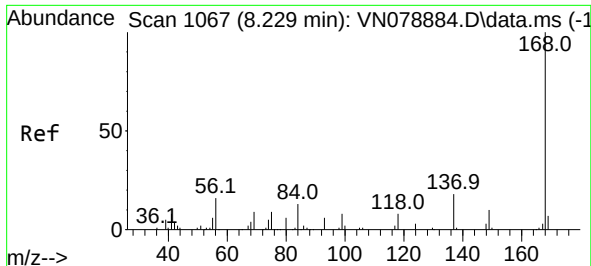
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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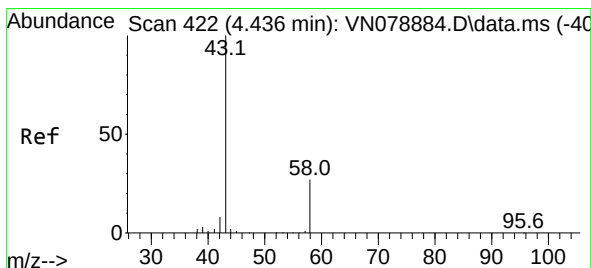
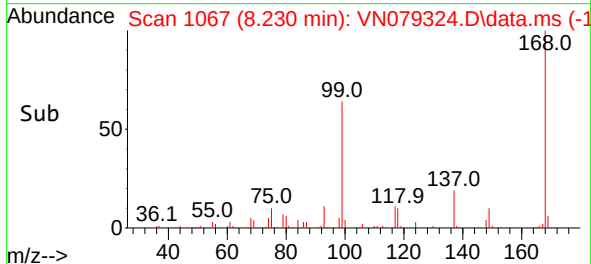
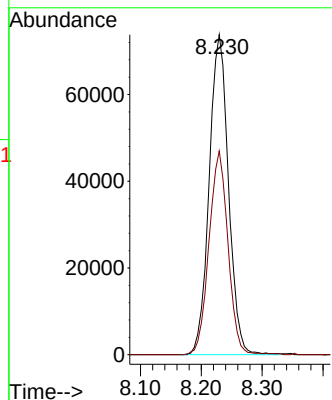
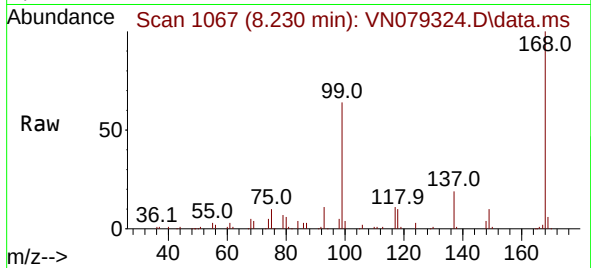




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

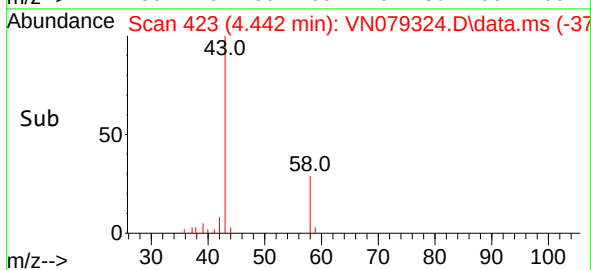
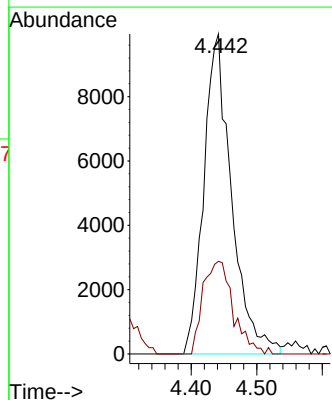
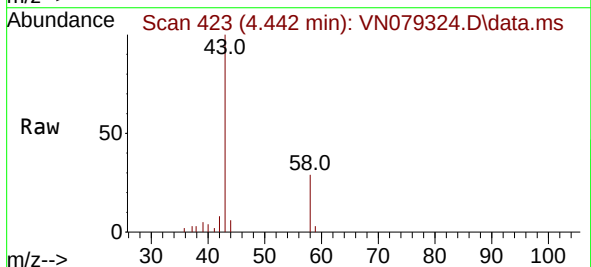
Instrument :
MSVOA_N
ClientSampleId :
SB-13

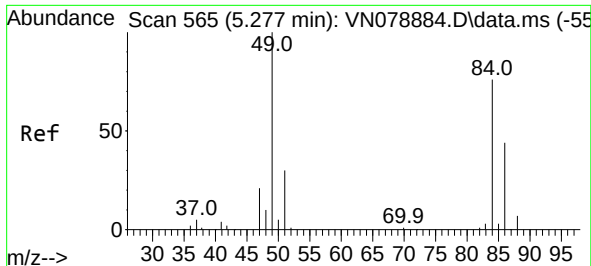
Tgt Ion:168 Resp: 162410
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#16
Acetone
Concen: 31.404 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 43 Resp: 29241
Ion Ratio Lower Upper
43 100
58 28.9 28.0 42.0

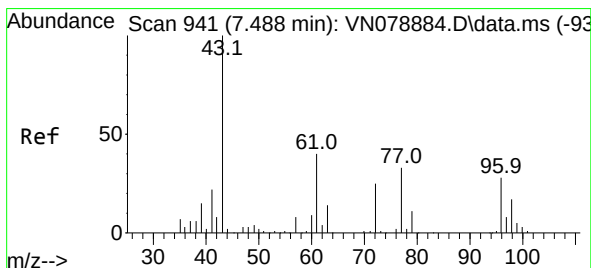
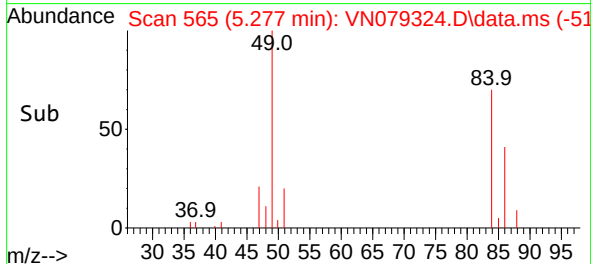
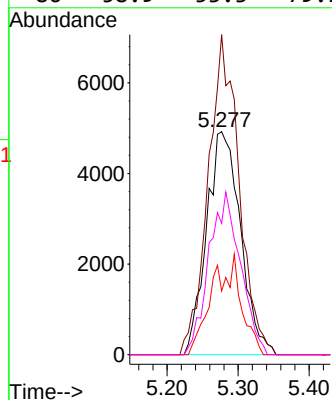
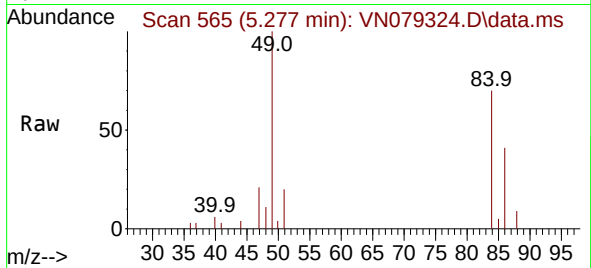




#20
Methylene Chloride
Concen: 7.211 ug/l
RT: 5.277 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

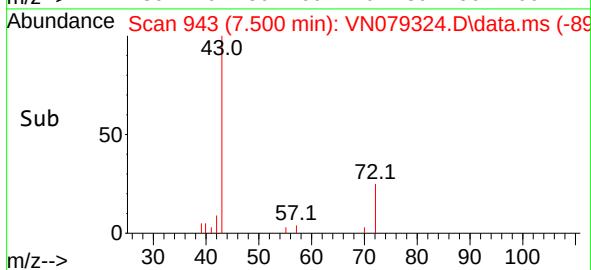
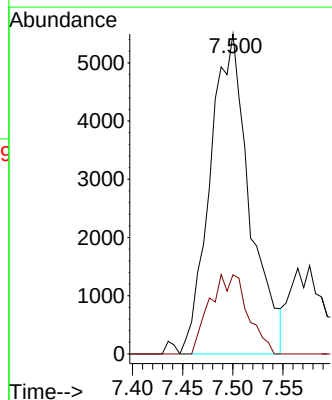
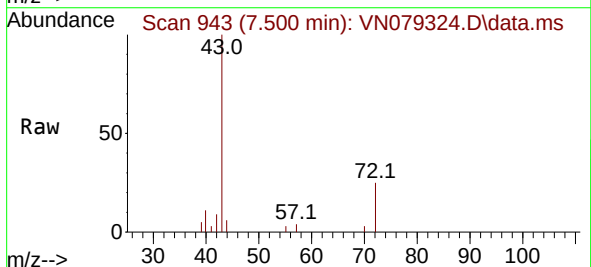
Instrument :
MSVOA_N
ClientSampleId :
SB-13

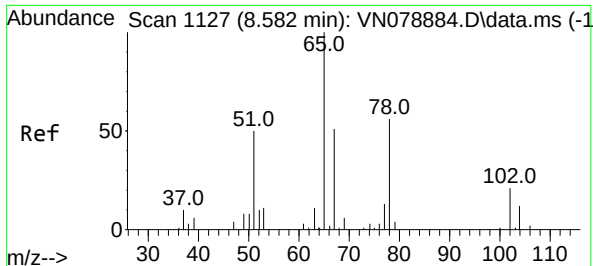
Tgt Ion:	84	Resp:	16339
Ion	Ratio	Lower	Upper
84	100		
49	143.5	79.7	119.5#
51	28.5	25.2	37.8
86	58.9	53.3	79.9



#25
2-Butanone
Concen: 11.134 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion:	43	Resp:	15042
Ion	Ratio	Lower	Upper
43	100		
72	24.7	30.2	45.2#

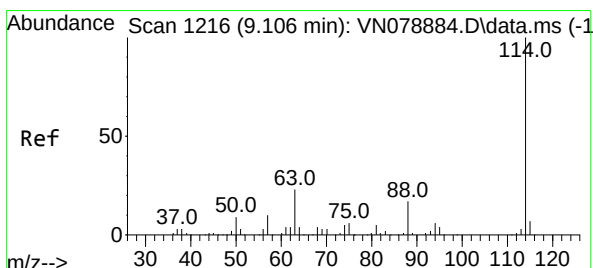
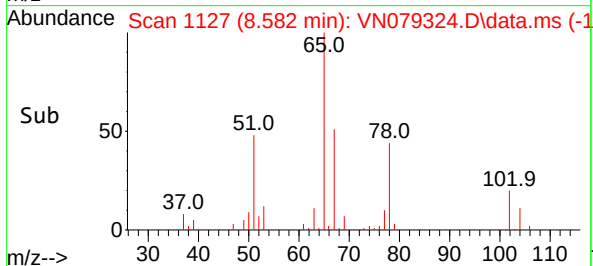
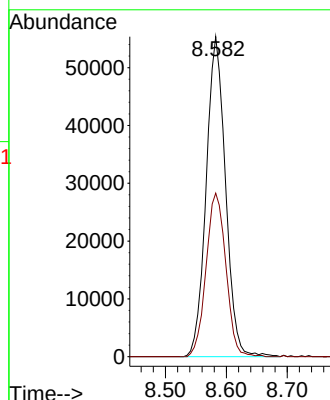
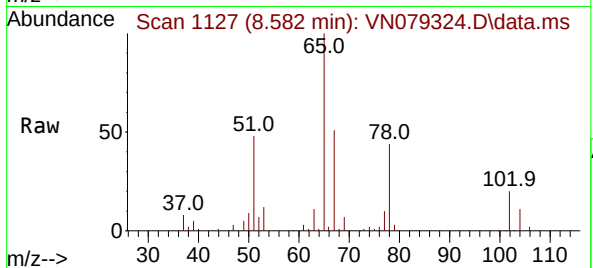




#33
1,2-Dichloroethane-d4
Concen: 55.792 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

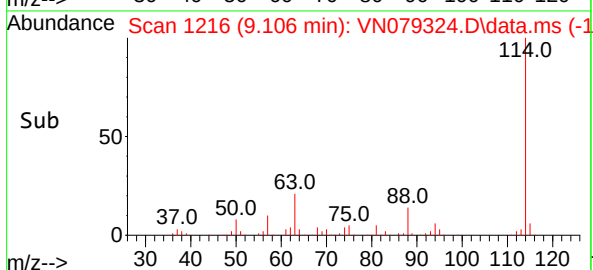
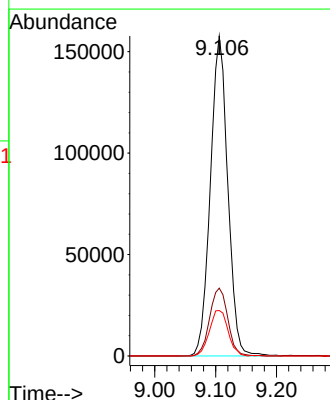
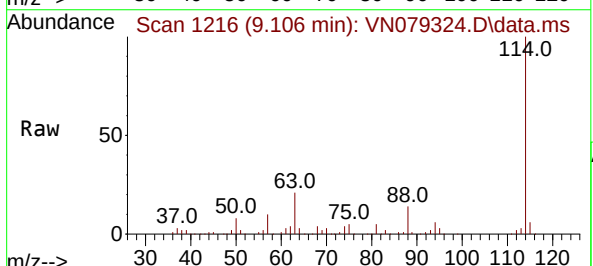
Instrument :
MSVOA_N
ClientSampleId :
SB-13

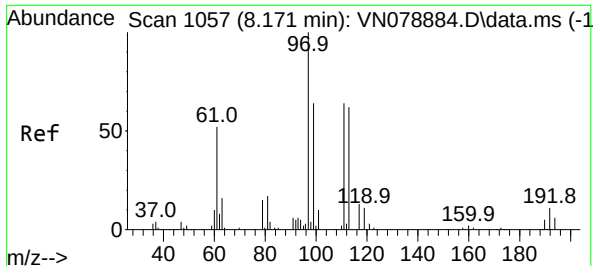
Tgt Ion: 65 Resp: 122317
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 114 Resp: 313225
Ion Ratio Lower Upper
114 100
63 21.2 0.0 36.4
88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.069 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079324.D

Acq: 21 Sep 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :

SB-13

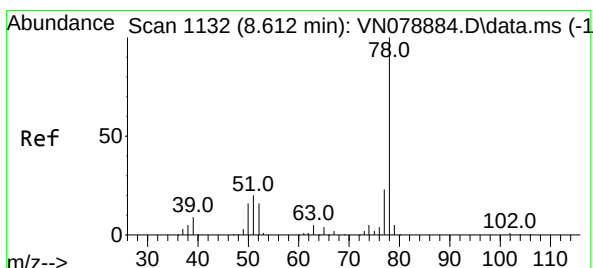
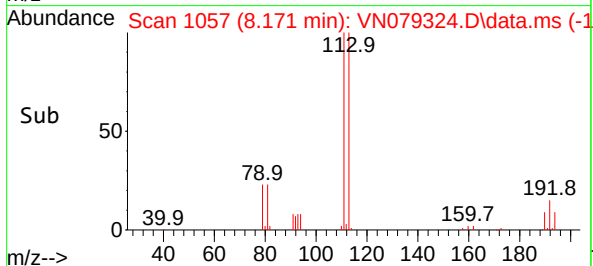
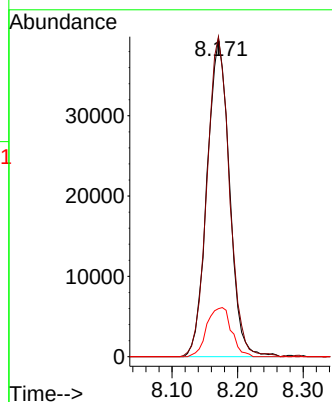
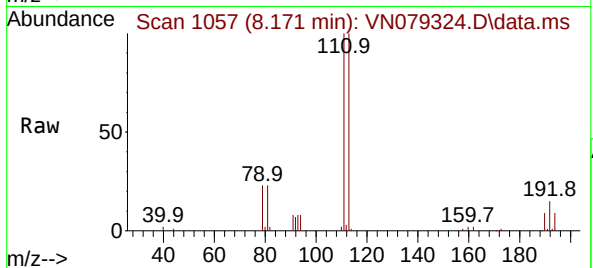
Tgt Ion:113 Resp: 93902

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 17.0 12.7 19.1



#40

Benzene

Concen: 32.716 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079324.D

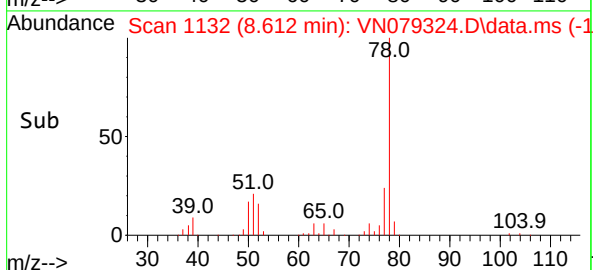
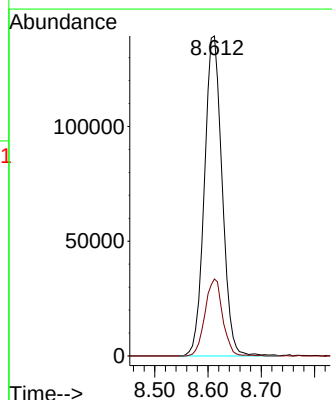
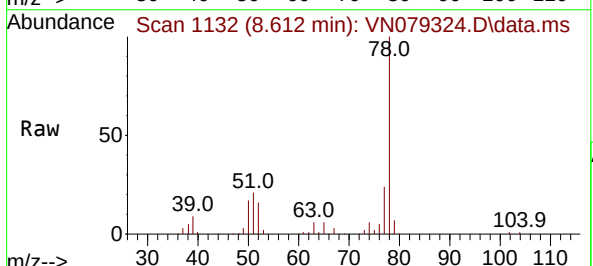
Acq: 21 Sep 2023 14:34

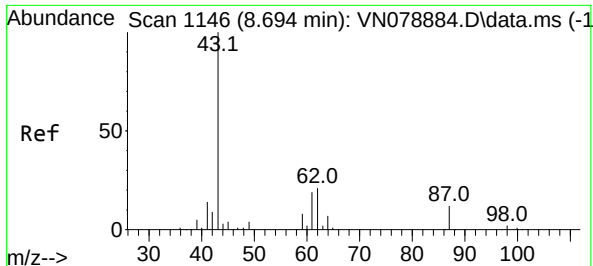
Tgt Ion: 78 Resp: 321630

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

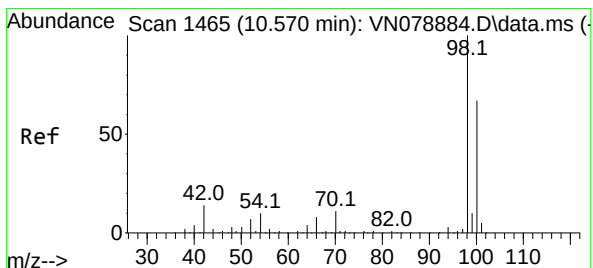
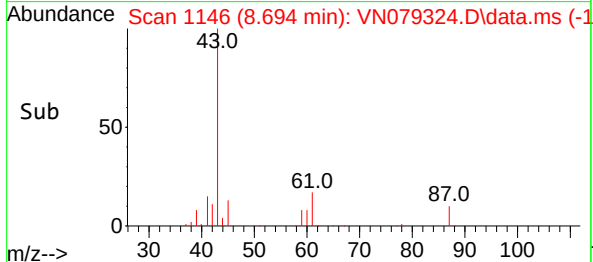
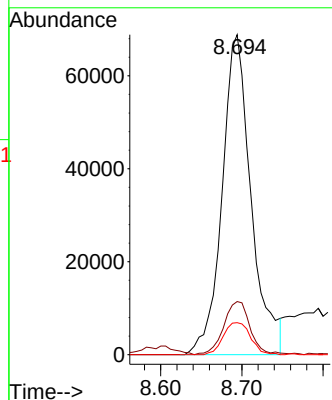
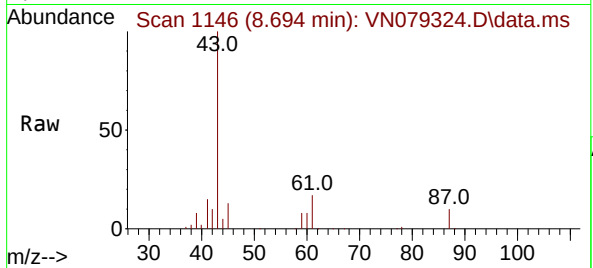




#43
Isopropyl Acetate
Concen: 32.800 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

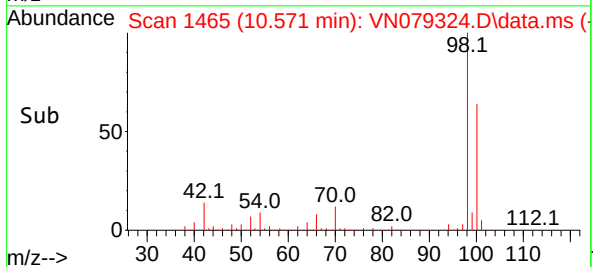
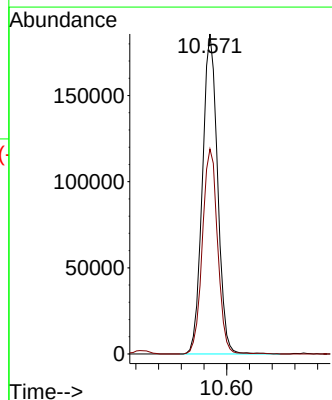
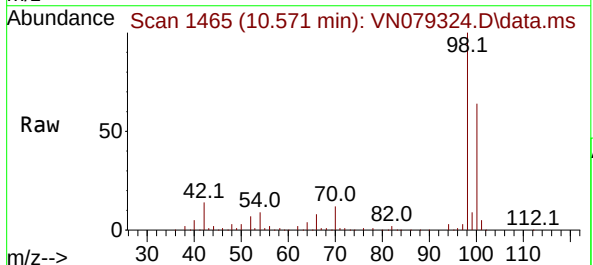
Instrument :
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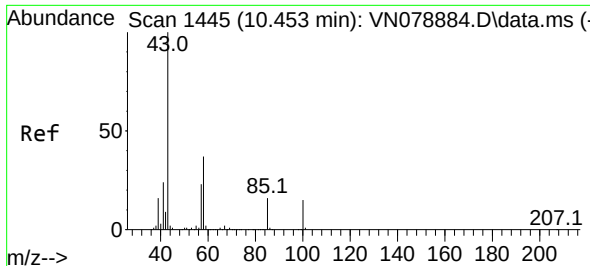
Tgt Ion: 43 Resp: 171435
Ion Ratio Lower Upper
43 100
61 15.2 24.7 37.1#
87 9.4 14.6 21.8#



#50
Toluene-d8
Concen: 44.947 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 98 Resp: 343858
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

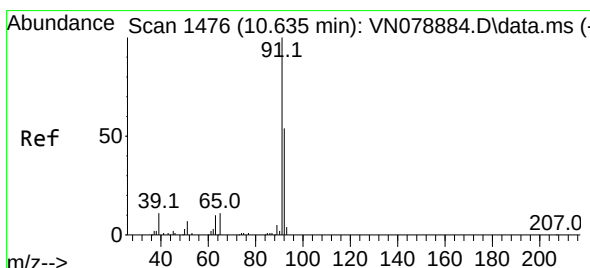
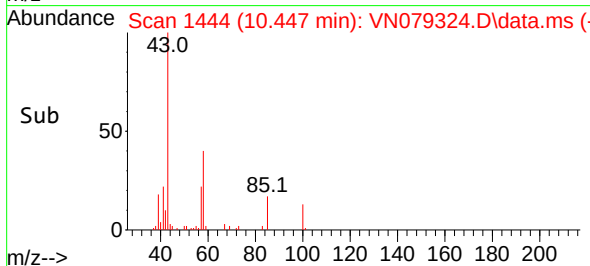
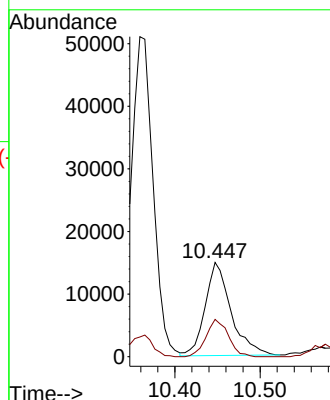
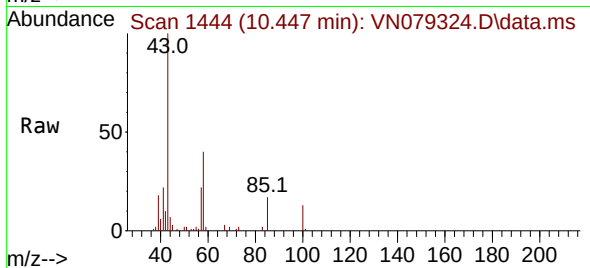




#51
4-Methyl-2-Pentanone
Concen: 10.351 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

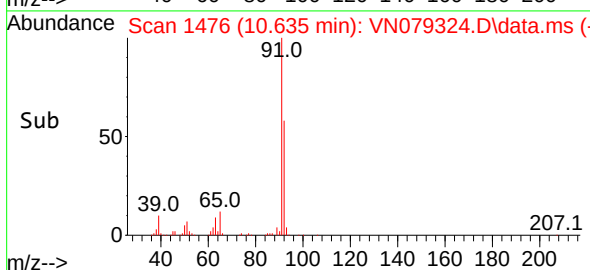
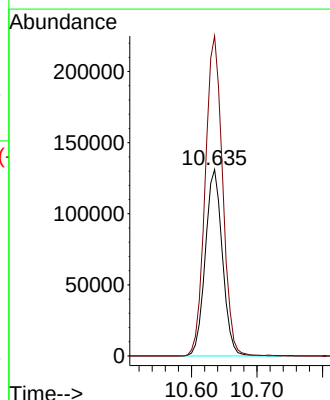
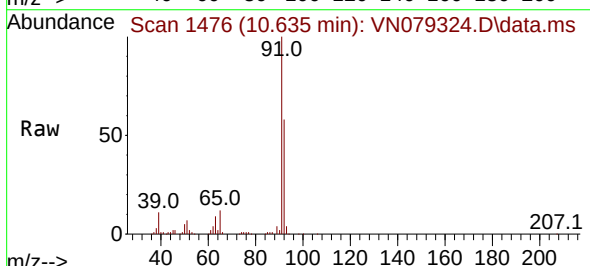
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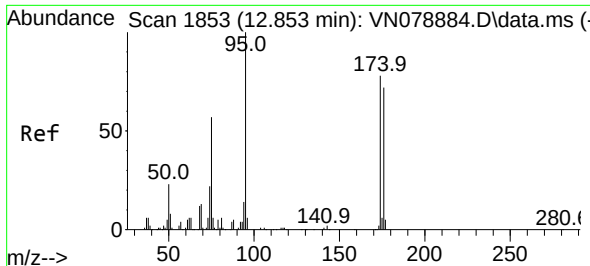
Tgt Ion: 43 Resp: 31404
Ion Ratio Lower Upper
43 100
58 34.4 36.6 54.8#



#52
Toluene
Concen: 39.352 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 92 Resp: 237758
Ion Ratio Lower Upper
92 100
91 174.2 137.4 206.0

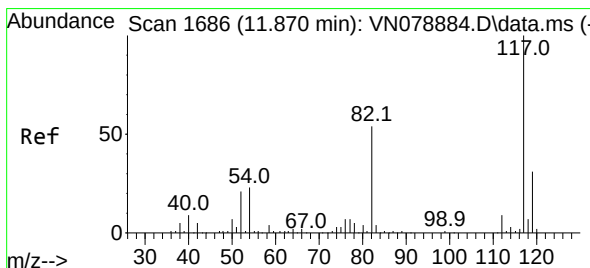
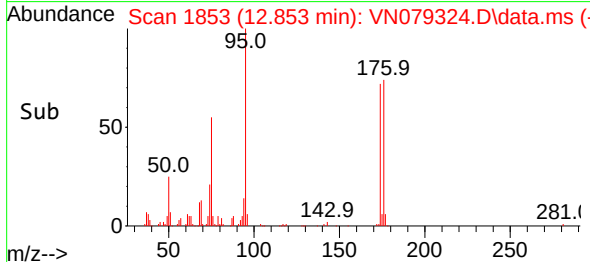
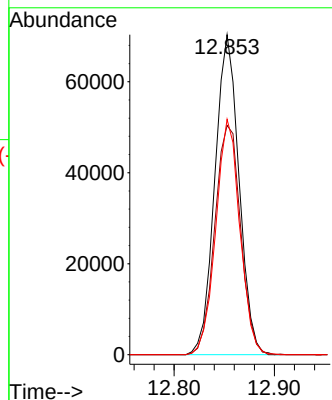
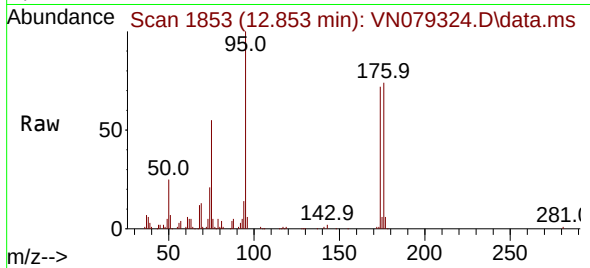




#62
4-Bromofluorobenzene
Concen: 48.103 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

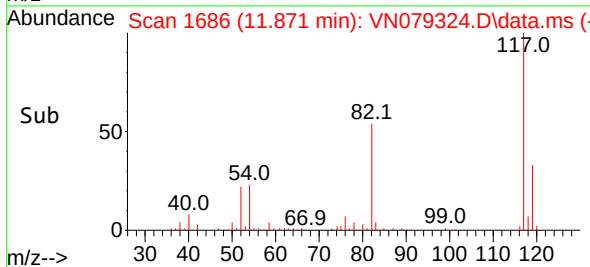
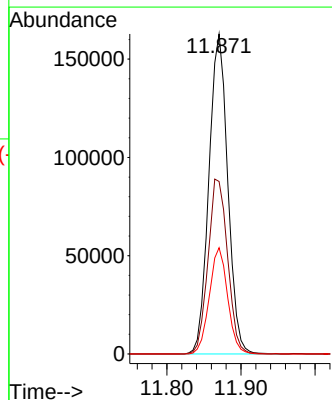
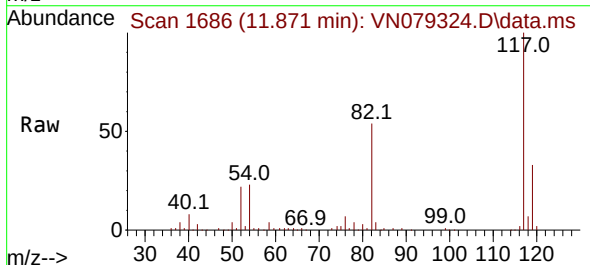
Instrument :
MSVOA_N
ClientSampleId :
SB-13

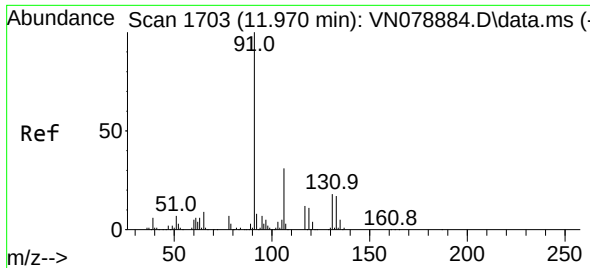
Tgt Ion: 95 Resp: 117385
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 117 Resp: 287364
Ion Ratio Lower Upper
117 100
82 53.9 44.0 66.0
119 33.2 25.6 38.4

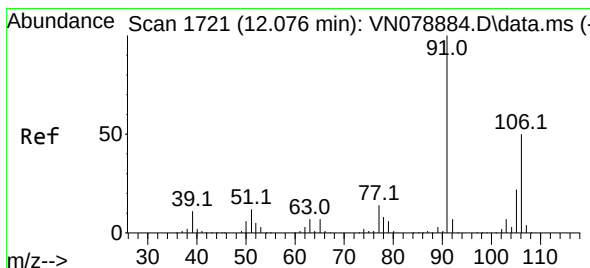
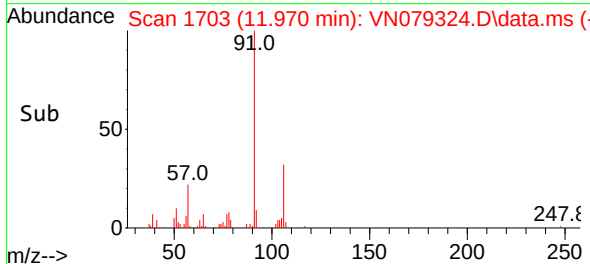
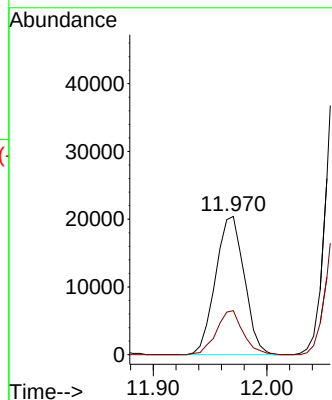
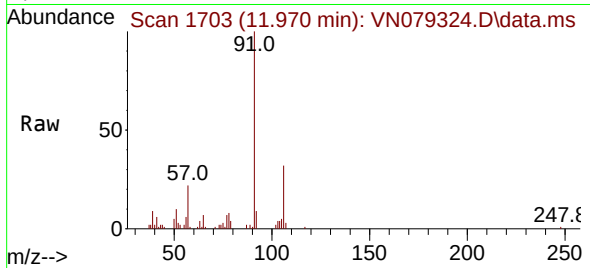




#67
Ethyl Benzene
Concen: 3.226 ug/l
RT: 11.970 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

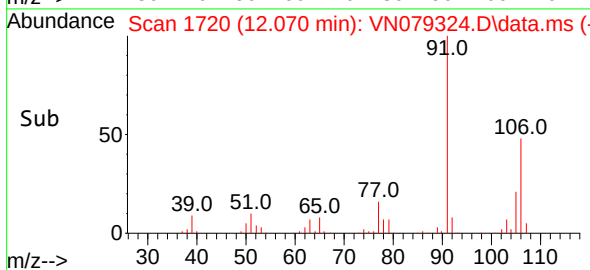
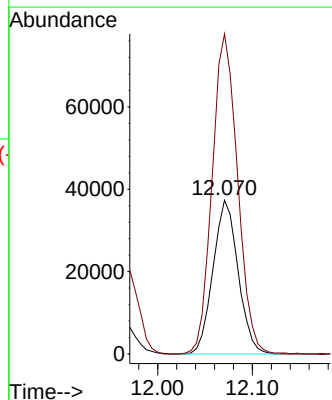
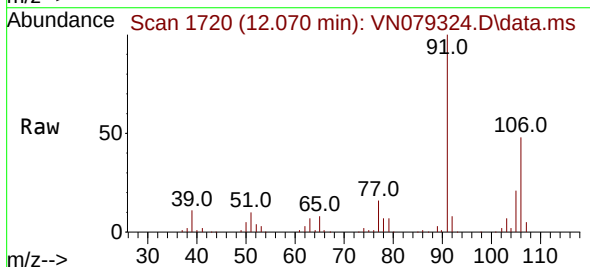
Instrument :
MSVOA_N
ClientSampleId :
SB-13

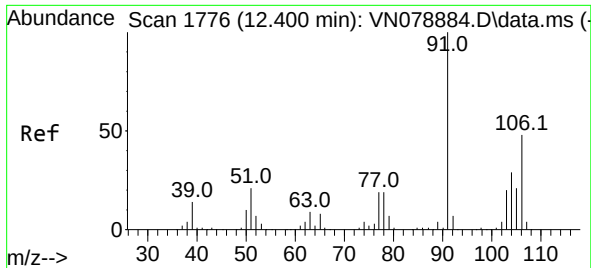
Tgt Ion: 91 Resp: 35925
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 16.512 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion: 106 Resp: 68531
Ion Ratio Lower Upper
106 100
91 211.3 159.6 239.4

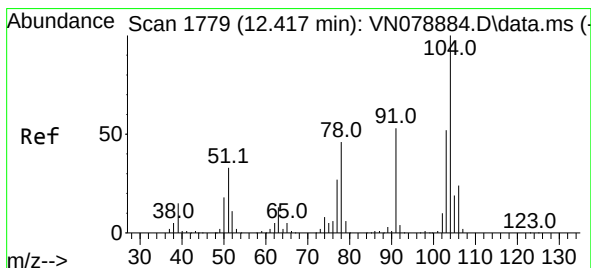
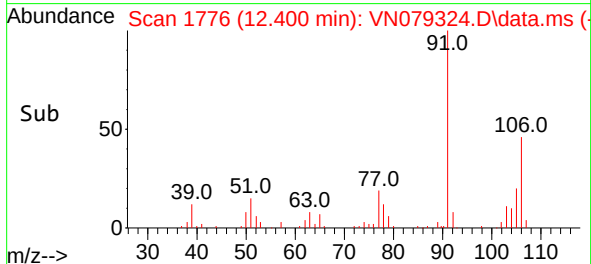
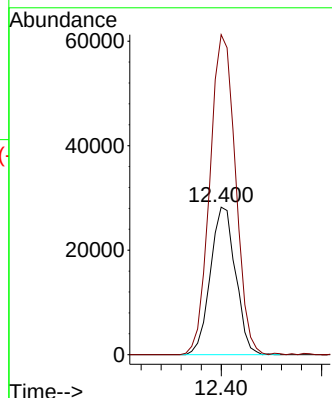
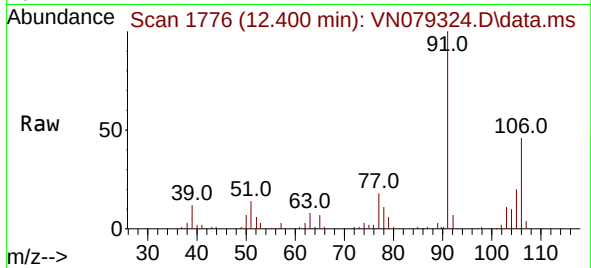




#69
o-Xylene
Concen: 12.359 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

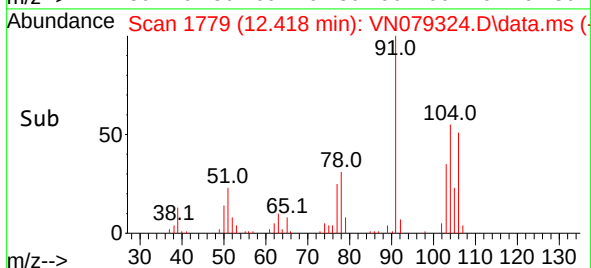
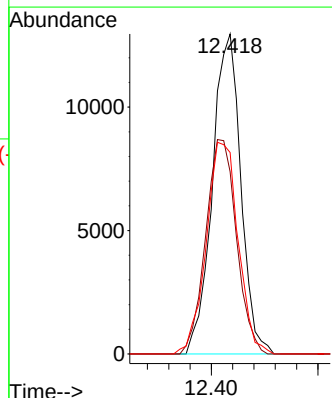
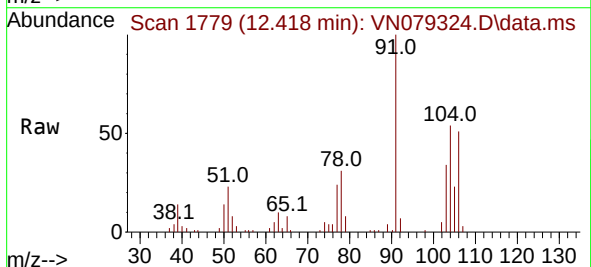
Instrument :
MSVOA_N
ClientSampleId :
SB-13

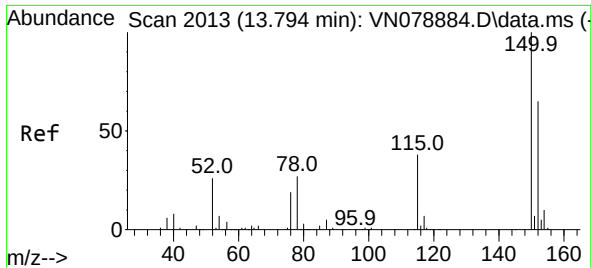
Tgt Ion:106 Resp: 49196
Ion Ratio Lower Upper
106 100
91 221.4 105.2 315.5



#70
Styrene
Concen: 3.751 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN079324.D
Acq: 21 Sep 2023 14:34

Tgt Ion:104 Resp: 24013
Ion Ratio Lower Upper
104 100
78 72.5 39.5 59.3#
103 74.1 43.2 64.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079324.D

Acq: 21 Sep 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :

SB-13

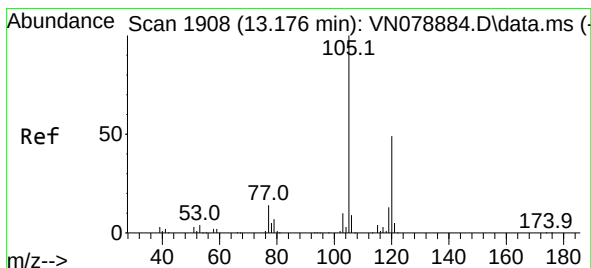
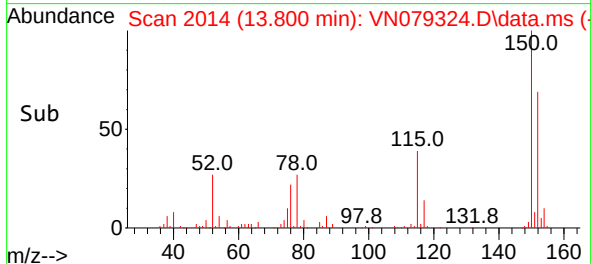
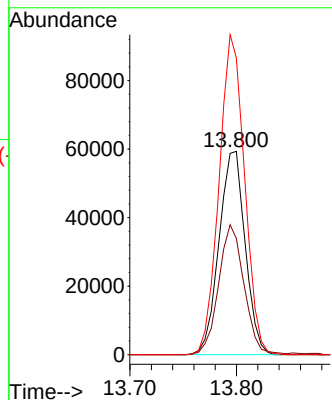
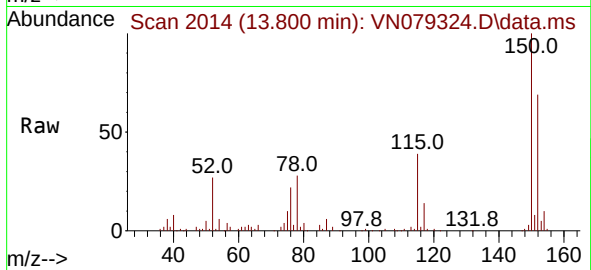
Tgt Ion:152 Resp: 101060

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 153.0 0.0 355.8



#80

1,3,5-Trimethylbenzene

Concen: 1.133 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079324.D

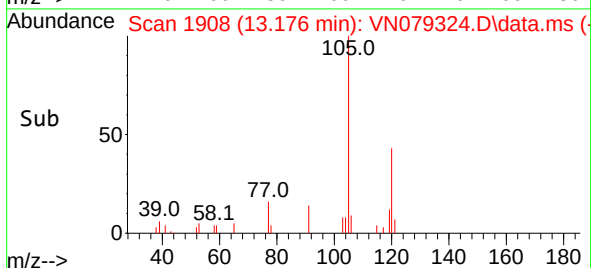
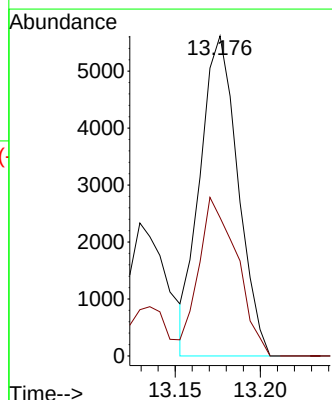
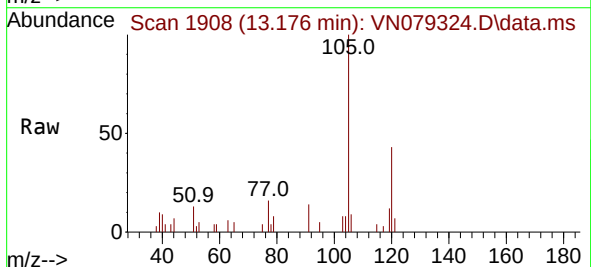
Acq: 21 Sep 2023 14:34

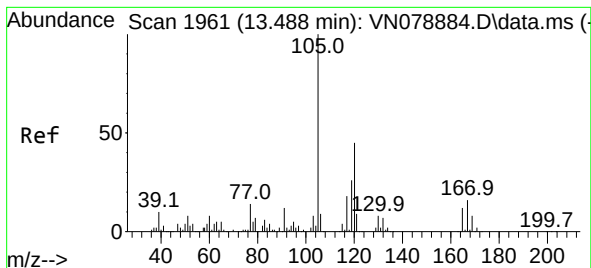
Tgt Ion:105 Resp: 8681

Ion Ratio Lower Upper

105 100

120 50.0 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 3.516 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN079324.D

Acq: 21 Sep 2023 14:34

Instrument :

MSVOA_N

ClientSampleId :

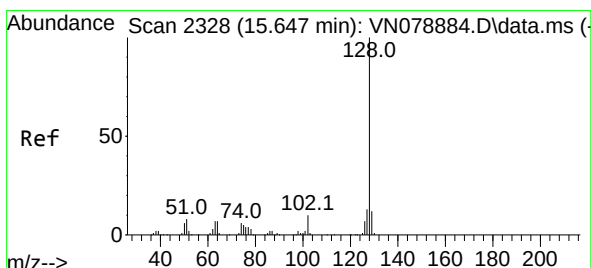
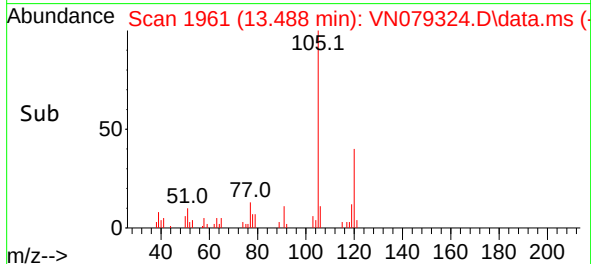
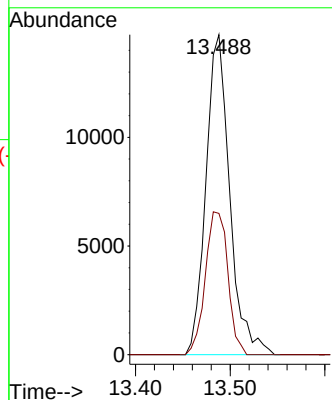
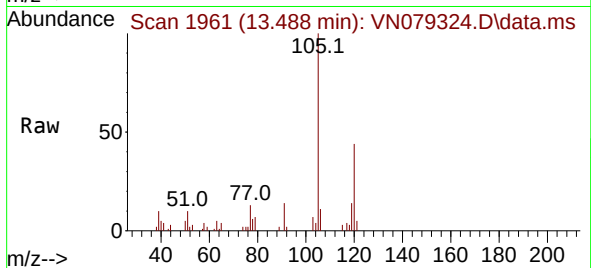
SB-13

Tgt Ion:105 Resp: 25653

Ion Ratio Lower Upper

105 100

120 42.3 22.0 66.0



#95

Naphthalene

Concen: 38.476 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN079324.D

Acq: 21 Sep 2023 14:34

Tgt Ion:128 Resp: 154809

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 10.6 8.7 13.1

