

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079752.D
 Acq On : 31 Oct 2023 18:31
 Operator : JC\MD
 Sample : 05107-06ME 20X
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1076ME

Quant Time: Nov 01 01:24:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

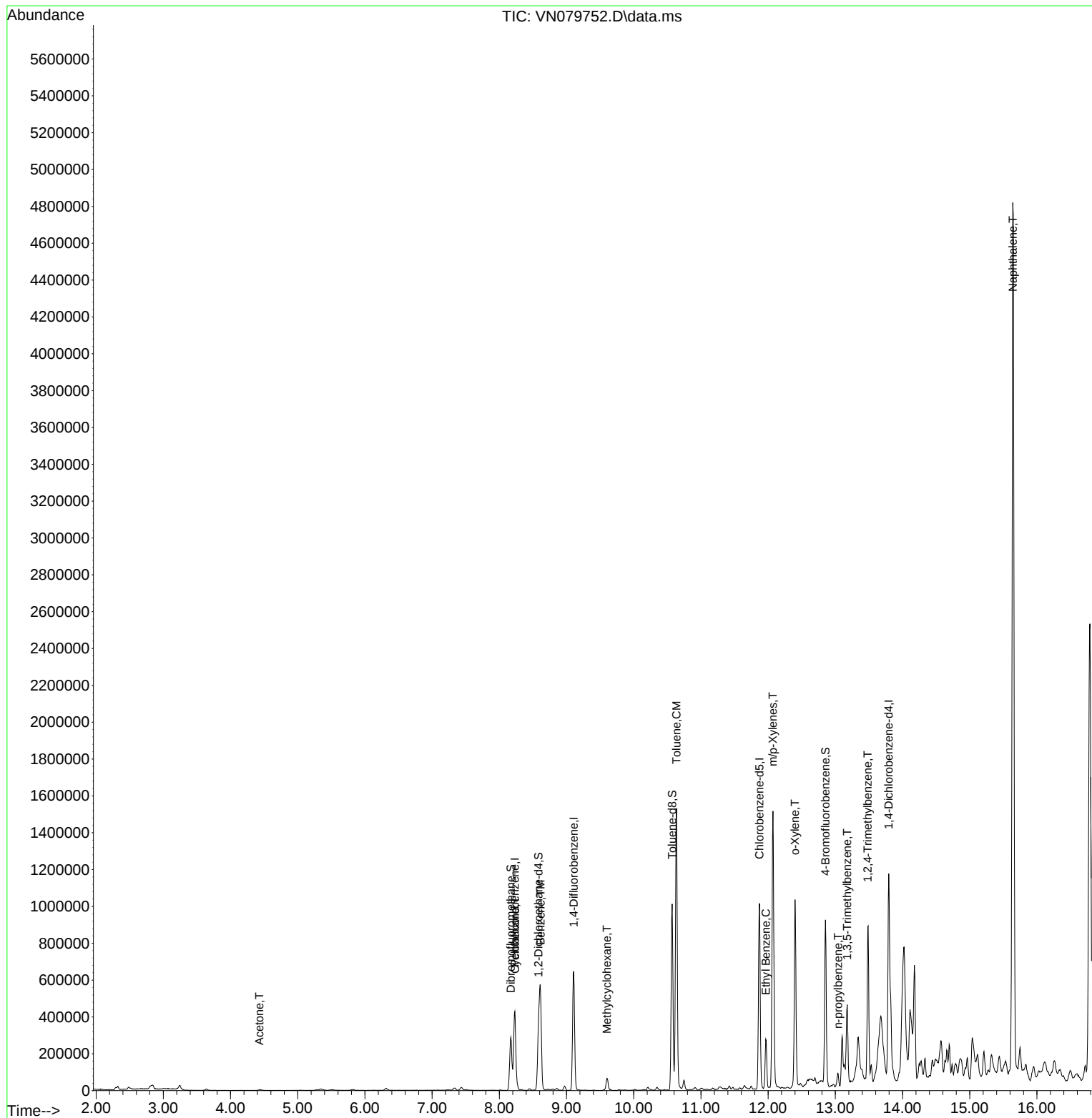
Internal Standards						
1) Pentafluorobenzene	8.230	168	295704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	585171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	289353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224621	47.302	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.600%		
35) Dibromofluoromethane	8.171	113	203452	51.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.500%		
50) Toluene-d8	10.571	98	681679	46.065	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.120%		
62) 4-Bromofluorobenzene	12.853	95	308506	66.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	132.400%#		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	7258	3.572	ug/l #	81
31) Cyclohexane	8.236	56	21120	3.260	ug/l #	60
39) Methylcyclohexane	9.600	83	26352	4.499	ug/l #	81
40) Benzene	8.612	78	524101	30.154	ug/l	100
52) Toluene	10.635	92	662441	62.430	ug/l	98
67) Ethyl Benzene	11.965	91	193263	8.470	ug/l	93
68) m/p-Xylenes	12.071	106	442520	52.435	ug/l	94
69) o-Xylene	12.400	106	262845	32.389	ug/l	93
78) n-propylbenzene	13.041	91	51685	1.712	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	203820	9.540	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	488116	23.683	ug/l	99
95) Naphthalene	15.641	128	4307158	490.785	ug/l	99

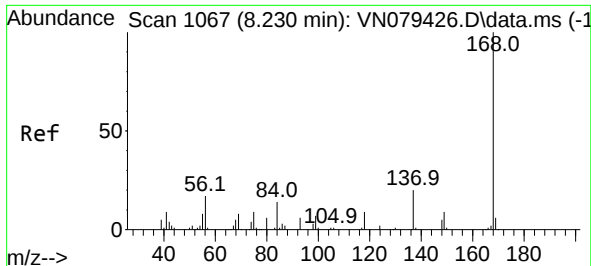
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 01:24:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 07:23:24 2023
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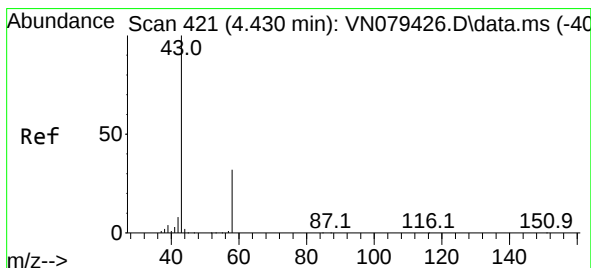
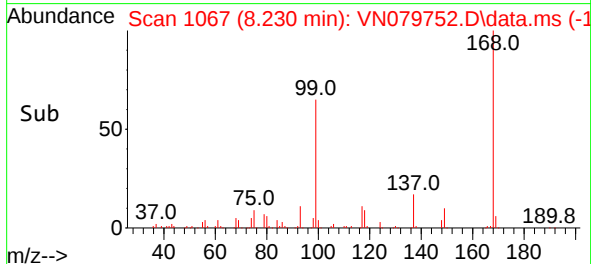
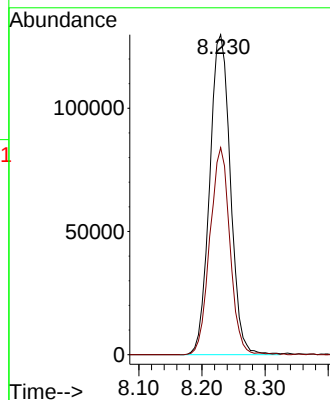
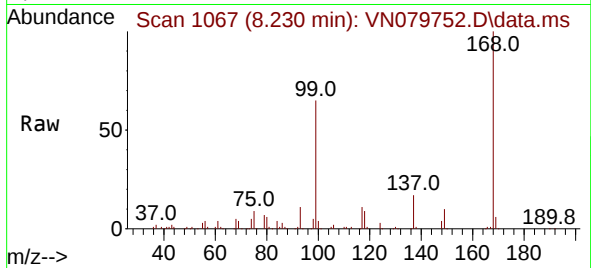




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

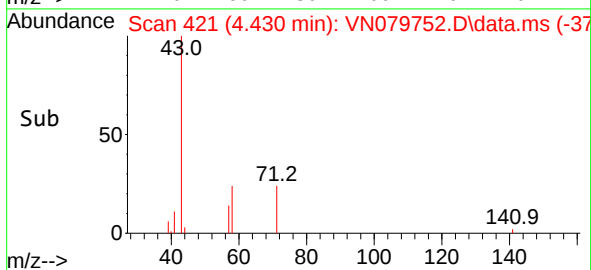
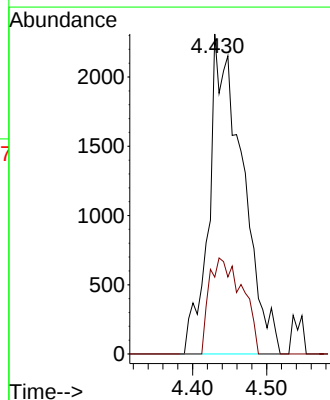
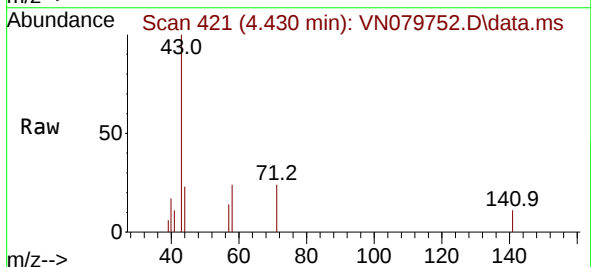
Instrument :
MSVOA_N
ClientSampleId :
1076ME

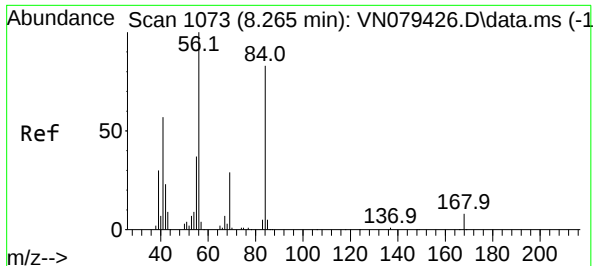
Tgt Ion:168 Resp: 295704
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#16
Acetone
Concen: 3.572 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion: 43 Resp: 7258
Ion Ratio Lower Upper
43 100
58 24.0 28.0 42.0#

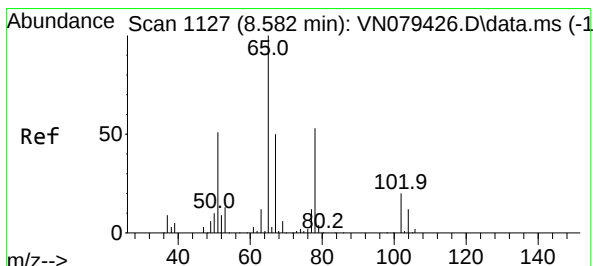
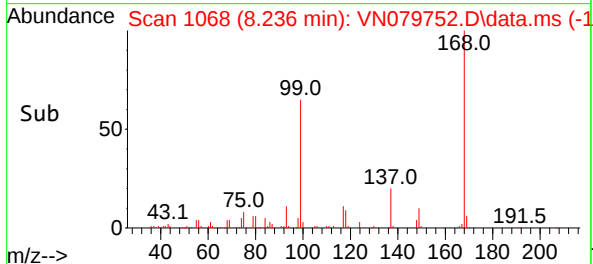
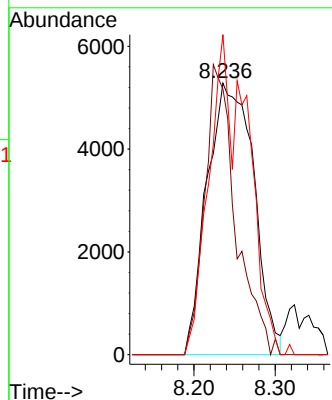
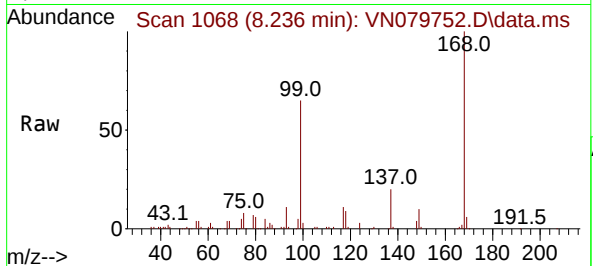




#31
Cyclohexane
Concen: 3.260 ug/l
RT: 8.236 min Scan# 1073
Delta R.T. -0.029 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

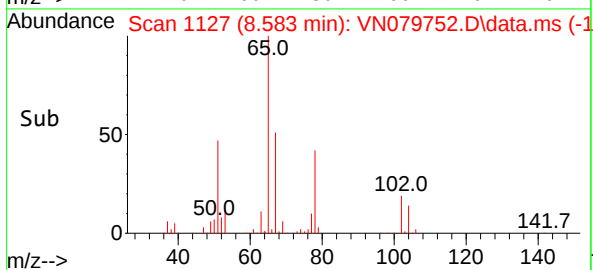
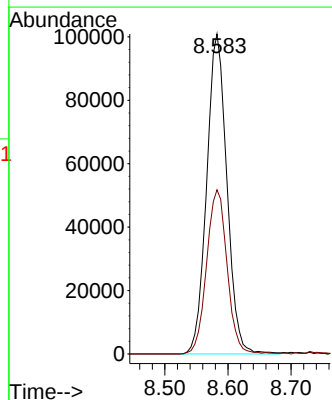
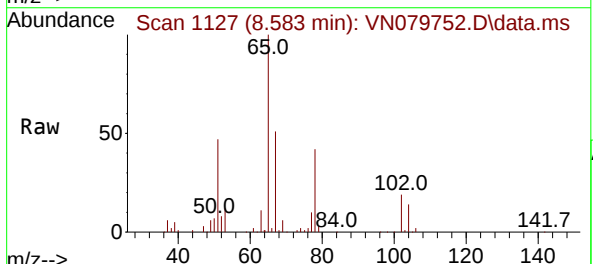
Instrument :
MSVOA_N
ClientSampleId :
1076ME

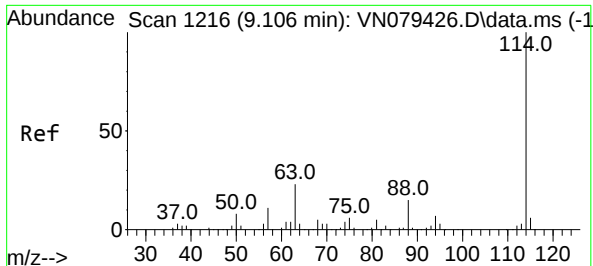
Tgt Ion: 56 Resp: 21120
Ion Ratio Lower Upper
56 100
69 97.8 26.8 40.2#
84 117.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.302 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion: 65 Resp: 224621
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

1076ME

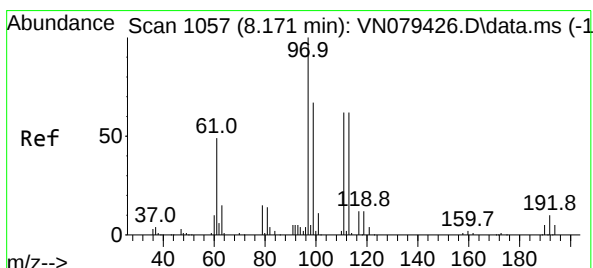
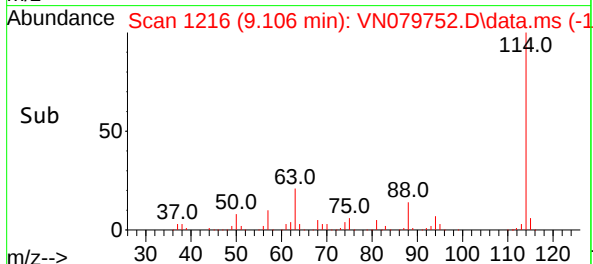
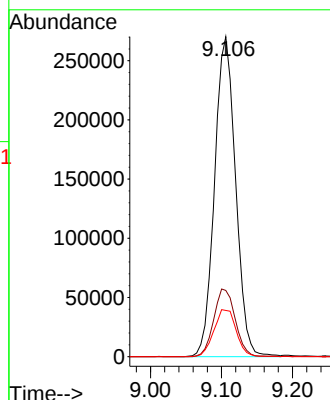
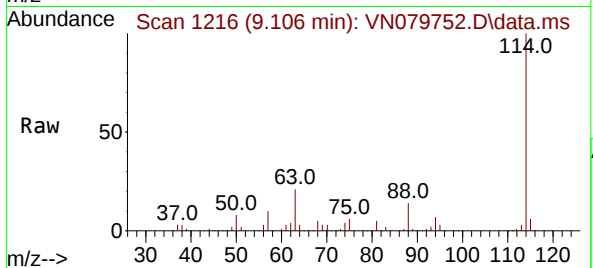
Tgt Ion:114 Resp: 555545

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.252 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

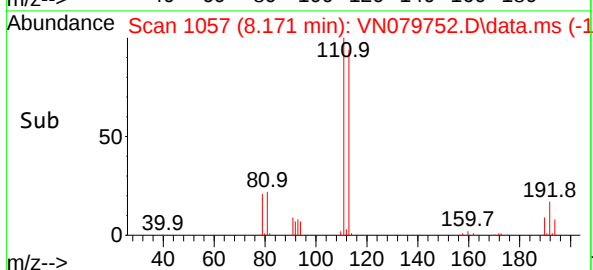
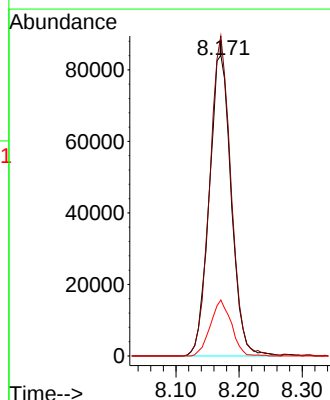
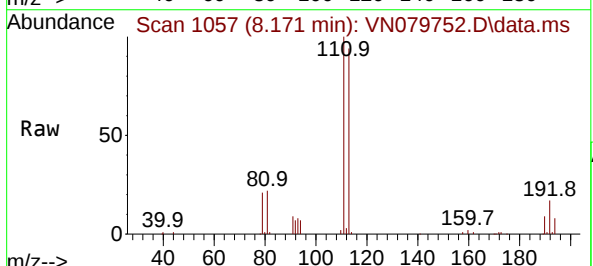
Tgt Ion:113 Resp: 203452

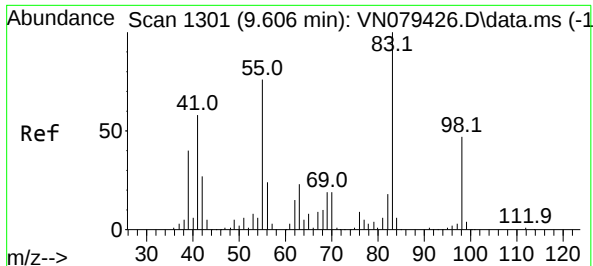
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 17.8 12.7 19.1





#39

Methylcyclohexane

Concen: 4.499 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

1076ME

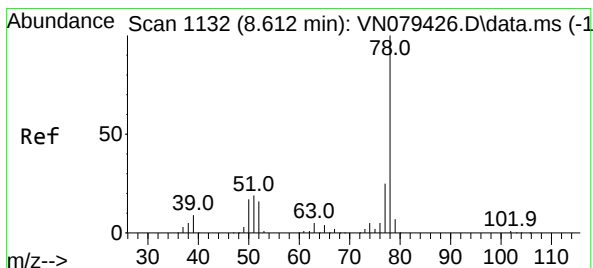
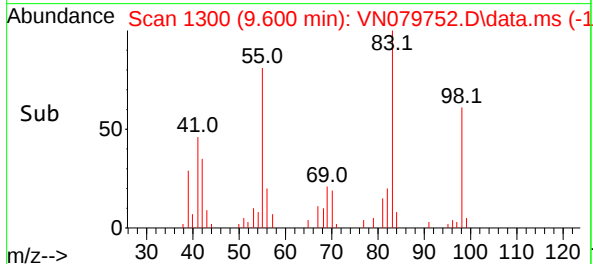
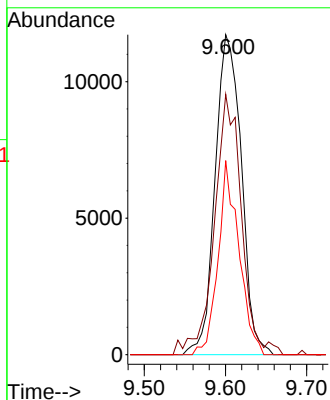
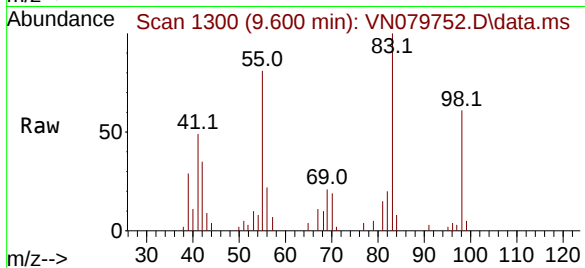
Tgt Ion: 83 Resp: 26352

Ion Ratio Lower Upper

83 100

55 79.1 49.1 73.7#

98 60.6 40.6 61.0



#40

Benzene

Concen: 30.154 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079752.D

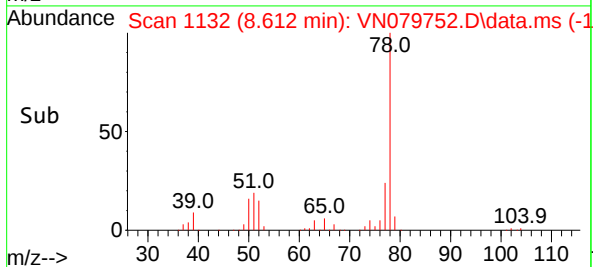
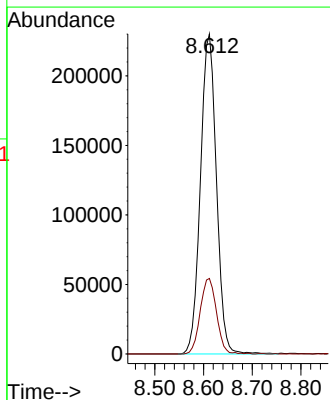
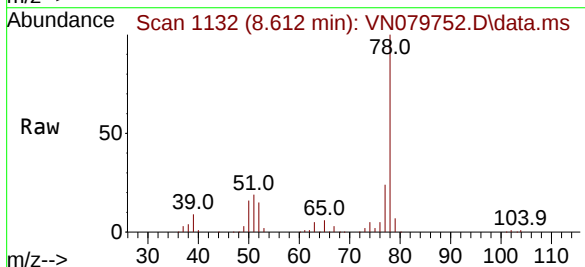
Acq: 31 Oct 2023 18:31

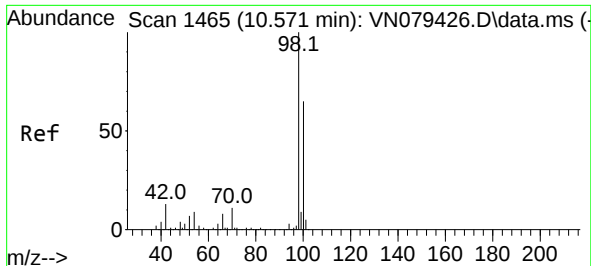
Tgt Ion: 78 Resp: 524101

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

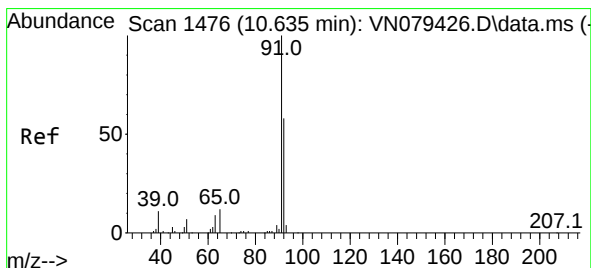
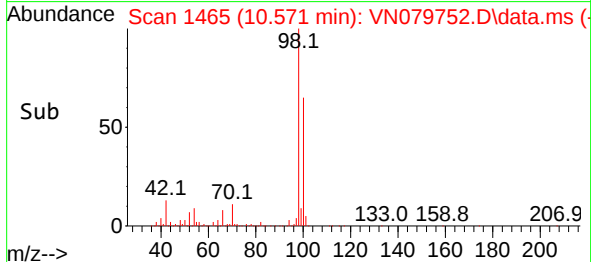
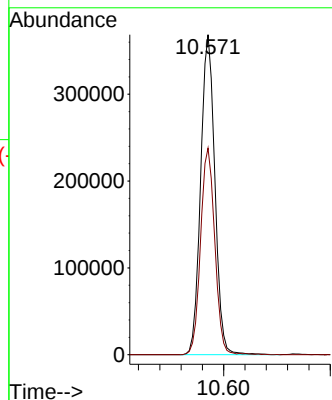
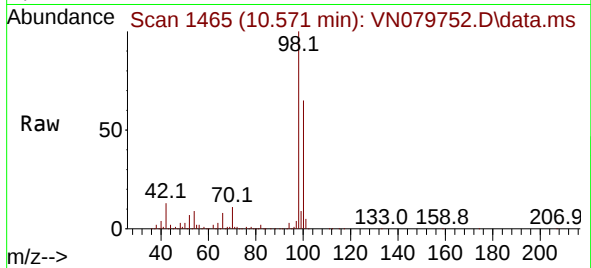




#50
Toluene-d8
Concen: 46.065 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

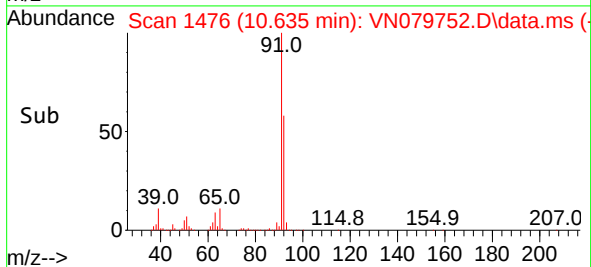
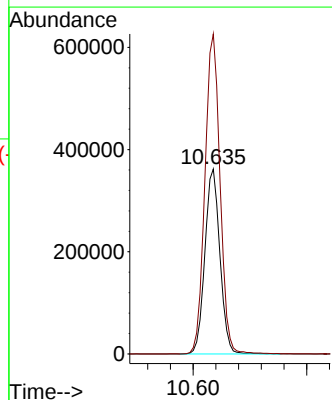
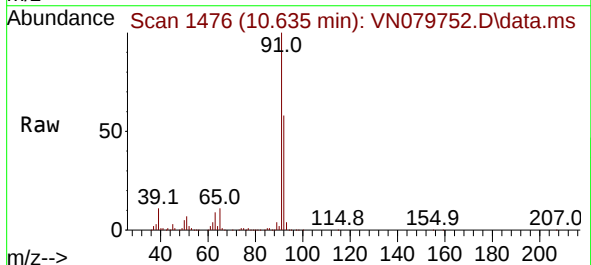
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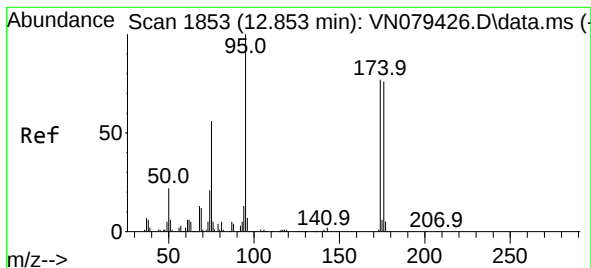
Tgt Ion: 98 Resp: 681679
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#52
Toluene
Concen: 62.430 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion: 92 Resp: 662441
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0

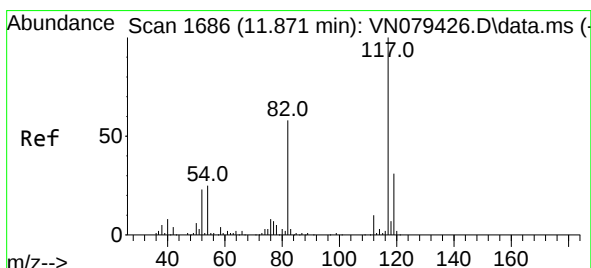
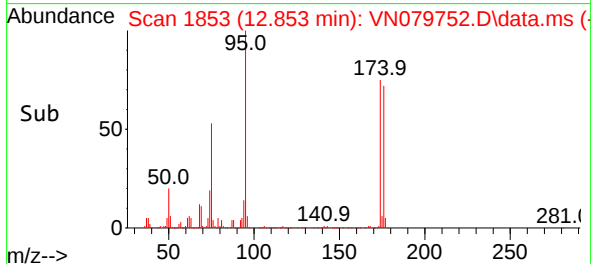
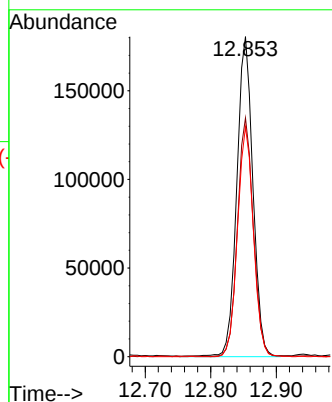
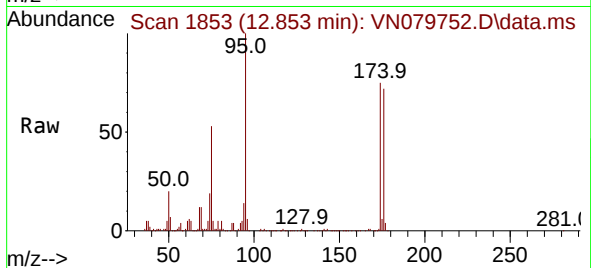




#62
4-Bromofluorobenzene
Concen: 66.201 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

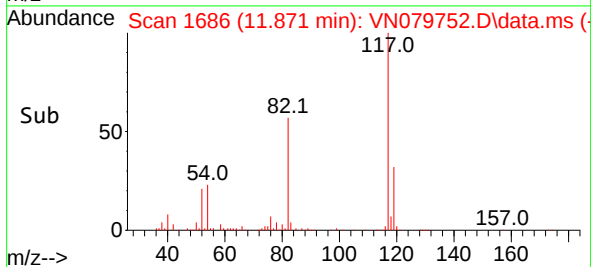
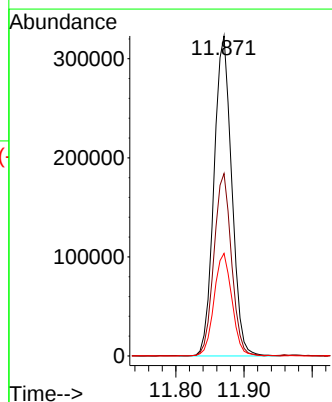
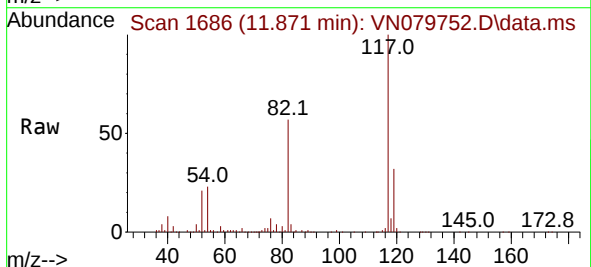
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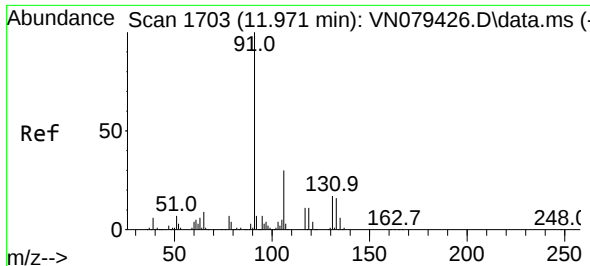
Tgt Ion: 95 Resp: 308506
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 71.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion: 117 Resp: 585171
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.0 25.6 38.4





#67

Ethyl Benzene

Concen: 8.470 ug/l

RT: 11.965 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

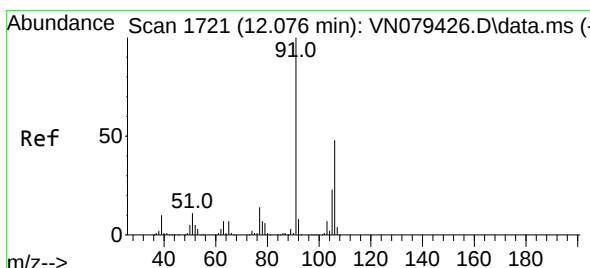
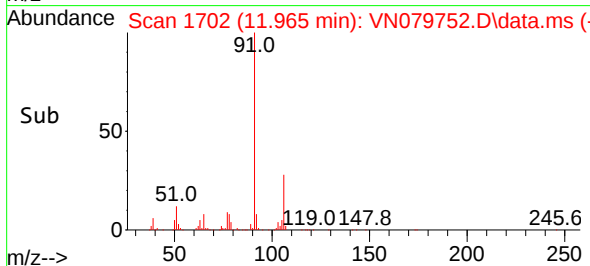
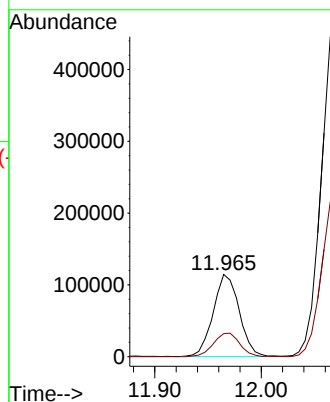
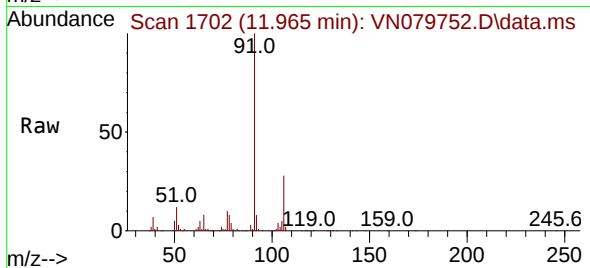
1076ME

Tgt Ion: 91 Resp: 193263

Ion Ratio Lower Upper

91 100

106 28.1 25.6 38.4



#68

m/p-Xylenes

Concen: 52.435 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.005 min

Lab File: VN079752.D

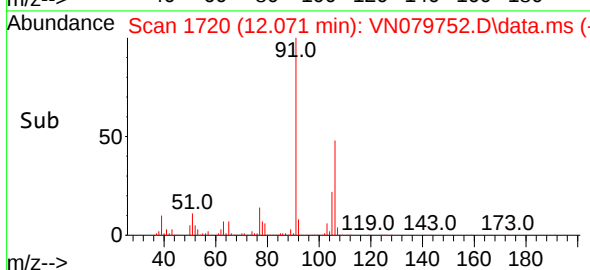
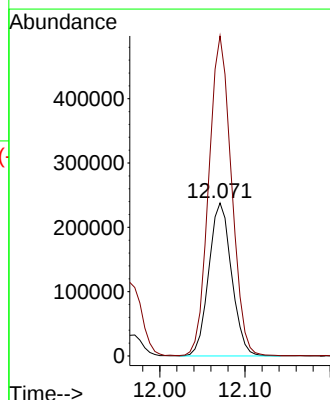
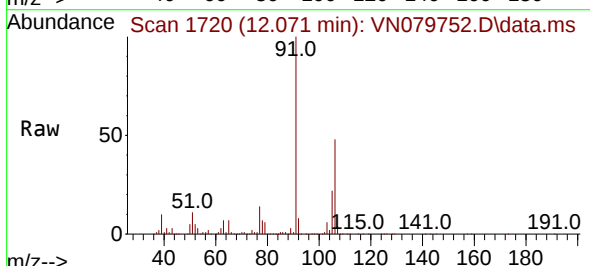
Acq: 31 Oct 2023 18:31

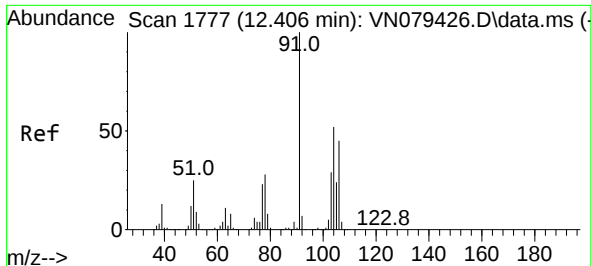
Tgt Ion:106 Resp: 442520

Ion Ratio Lower Upper

106 100

91 208.3 159.6 239.4

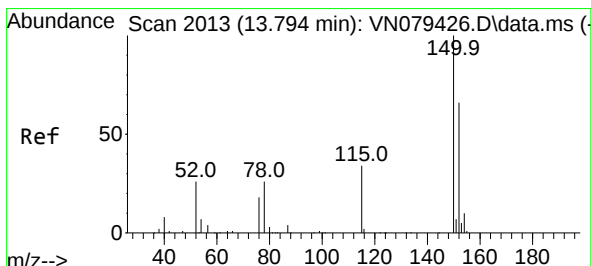
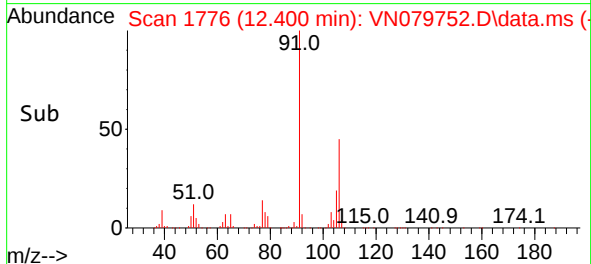
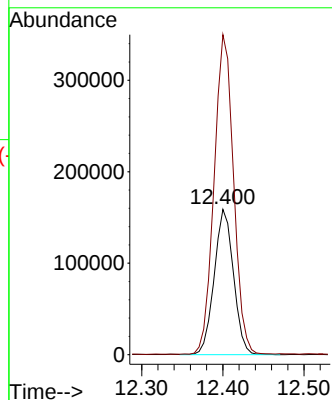
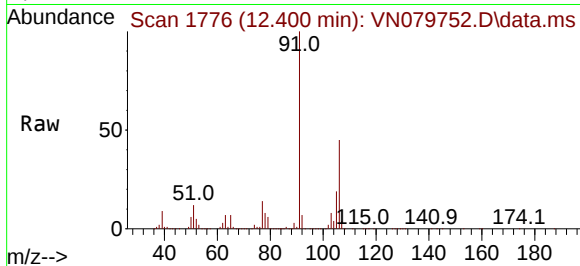




#69
o-Xylene
Concen: 32.389 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

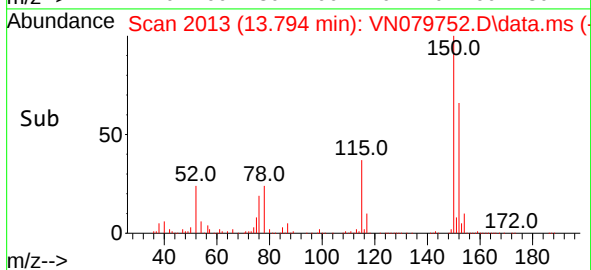
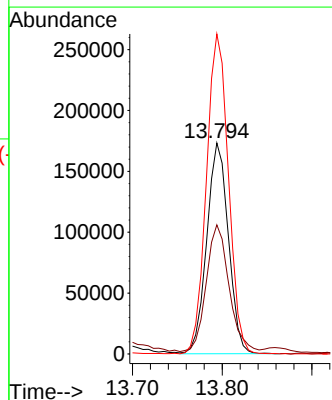
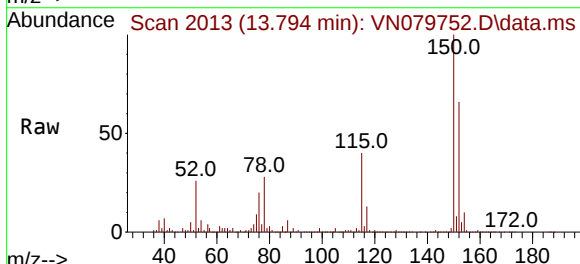
Instrument :
MSVOA_N
ClientSampleId :
1076ME

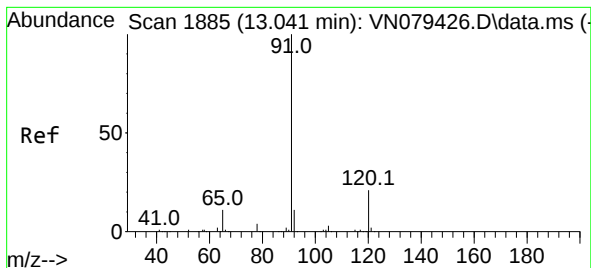
Tgt Ion:106 Resp: 262845
Ion Ratio Lower Upper
106 100
91 221.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion:152 Resp: 289353
Ion Ratio Lower Upper
152 100
115 63.1 32.3 96.8
150 154.7 0.0 355.8





#78

n-propylbenzene

Concen: 1.712 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079752.D

Acq: 31 Oct 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

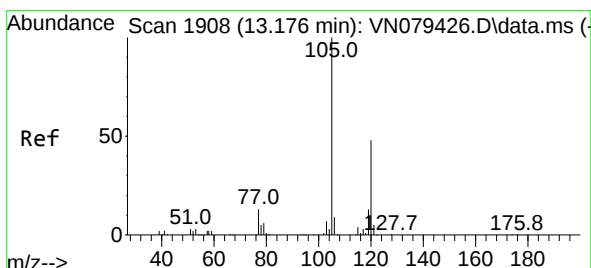
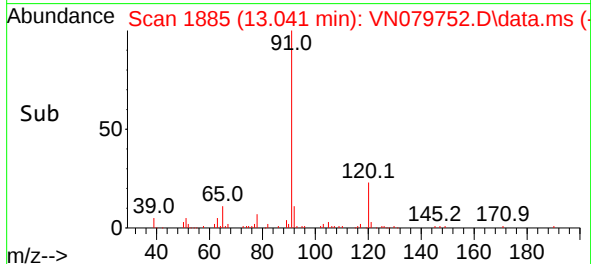
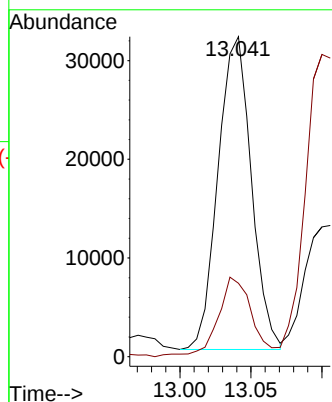
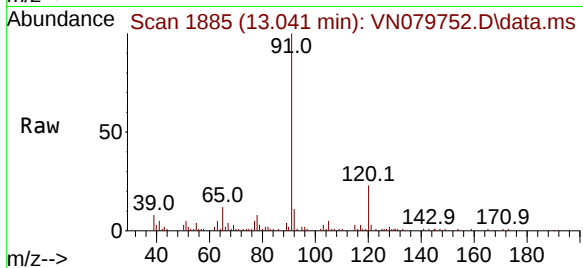
1076ME

Tgt Ion: 91 Resp: 51685

Ion Ratio Lower Upper

91 100

120 25.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 9.540 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079752.D

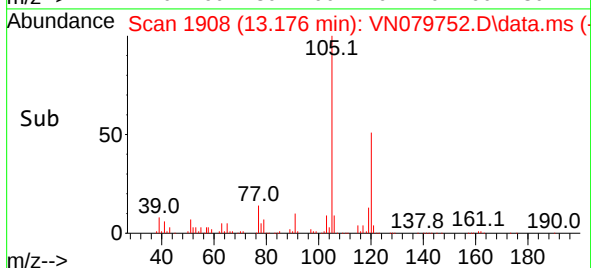
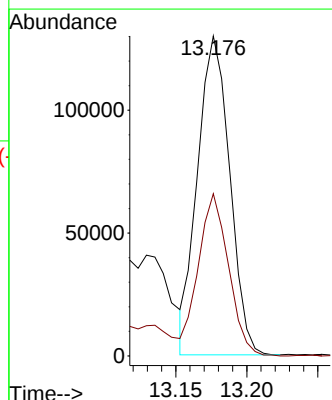
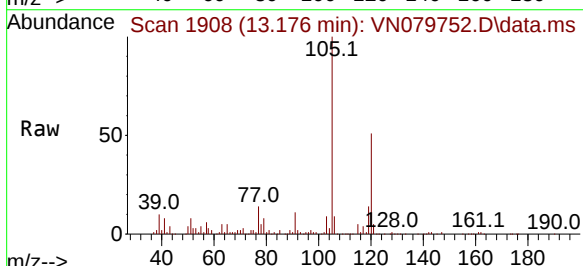
Acq: 31 Oct 2023 18:31

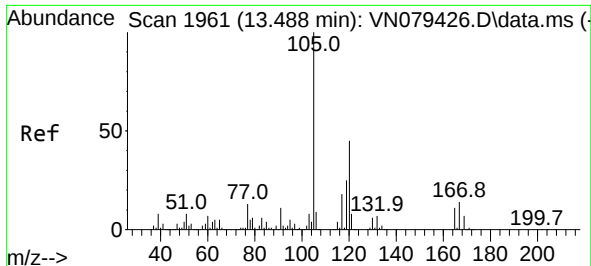
Tgt Ion:105 Resp: 203820

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.3

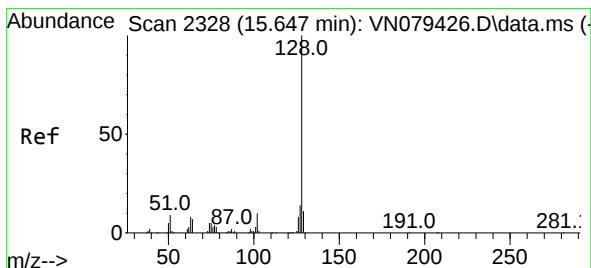
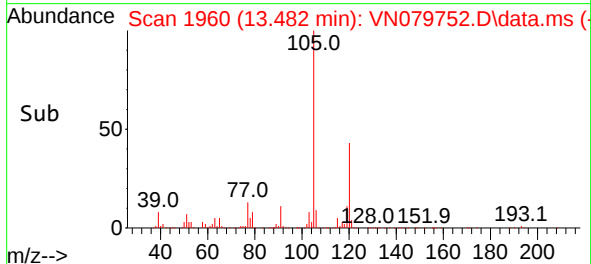
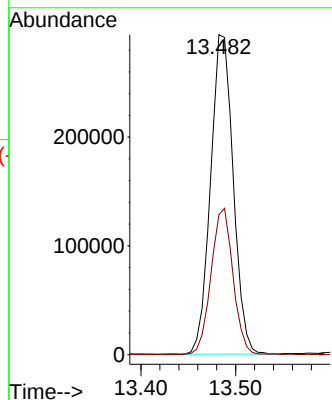
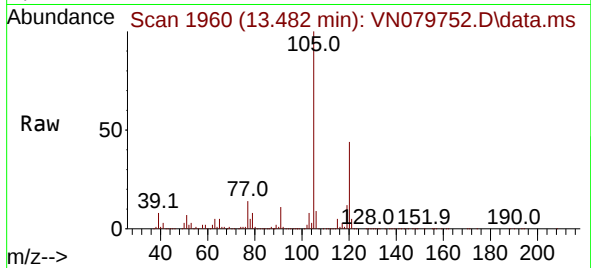




#84
1,2,4-Trimethylbenzene
Concen: 23.683 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :
1076ME

Tgt Ion:105 Resp: 488116
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0



#95
Naphthalene
Concen: 490.785 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079752.D
Acq: 31 Oct 2023 18:31

Tgt Ion:128 Resp: 4307158
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.0 8.7 13.1

