

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080099.D
 Acq On : 14 Nov 2023 19:13
 Operator : JC\MD
 Sample : 05382-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-16

Quant Time: Nov 15 04:45:16 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)

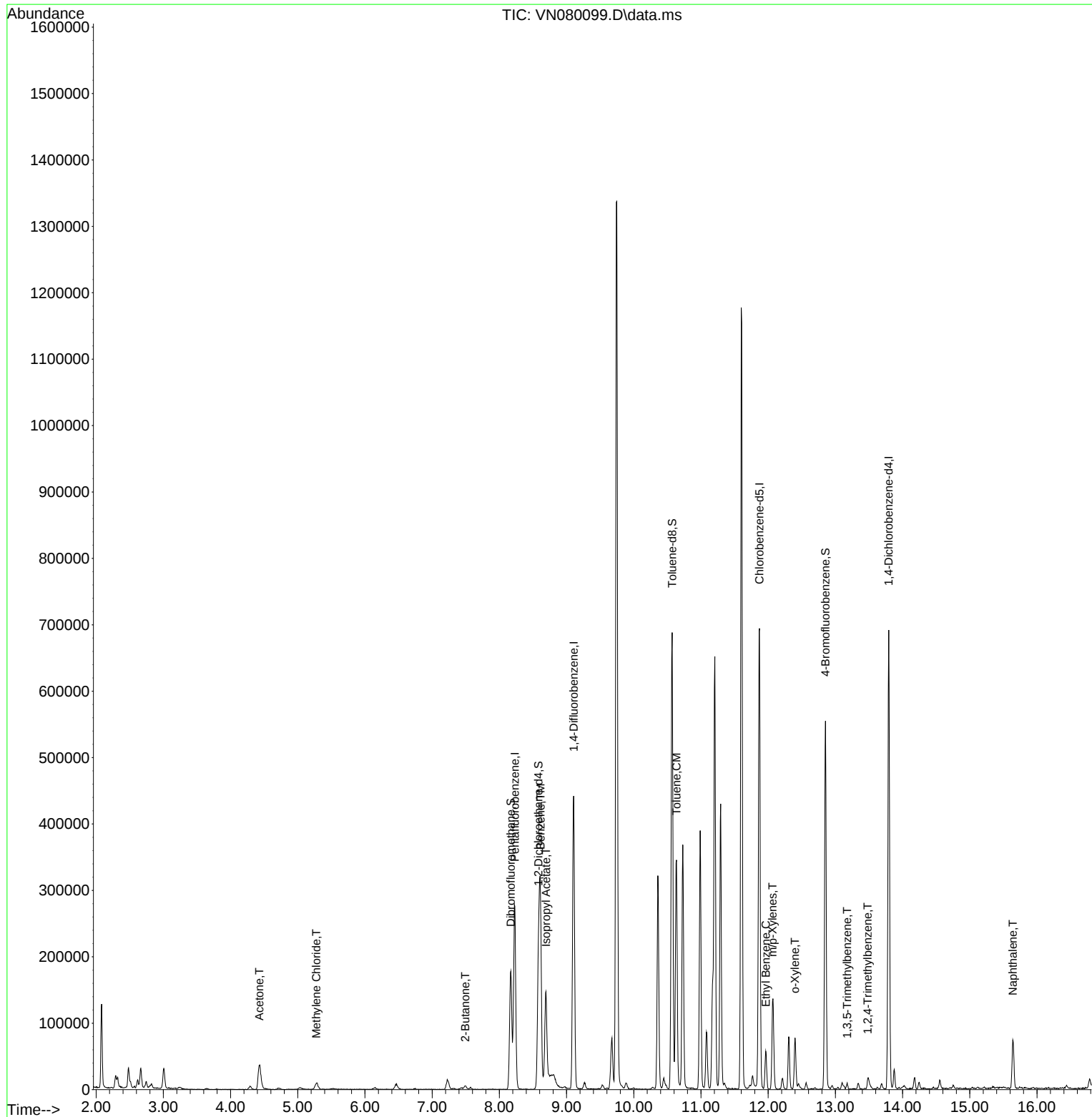
Internal Standards						
1) Pentafluorobenzene	8.229	168	188572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	395661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	163718	56.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.980%
35) Dibromofluoromethane	8.171	113	126580	48.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.060%
50) Toluene-d8	10.571	98	466524	48.590	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.853	95	190565	59.846	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.700%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	71379	70.731	ug/l	94
20) Methylene Chloride	5.277	84	7990	3.138	ug/l	91
25) 2-Butanone	7.494	43	8367	5.662	ug/l	95
40) Benzene	8.612	78	290270	26.025	ug/l	98
43) Isopropyl Acetate	8.694	43	182276	30.434	ug/l #	79
52) Toluene	10.635	92	154475	23.362	ug/l	100
67) Ethyl Benzene	11.965	91	30124	2.015	ug/l	94
68) m/p-Xylenes	12.065	106	44056	7.909	ug/l	95
69) o-Xylene	12.400	106	19238	3.587	ug/l	83
80) 1,3,5-Trimethylbenzene	13.176	105	3849	0.365	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	12168	1.171	ug/l	81
95) Naphthalene	15.641	128	68050	7.233	ug/l	99

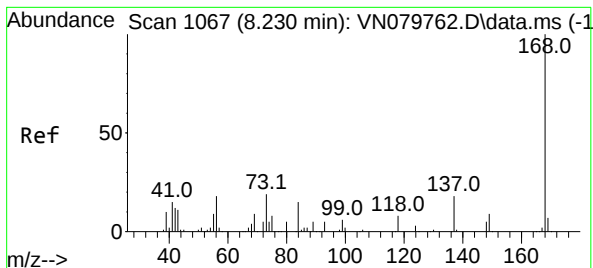
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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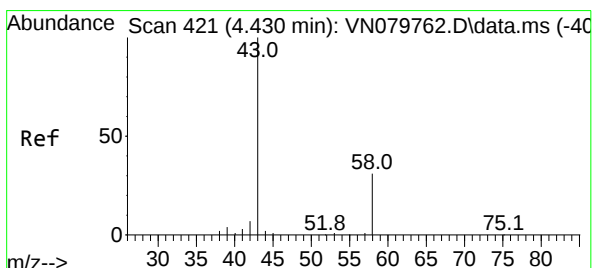
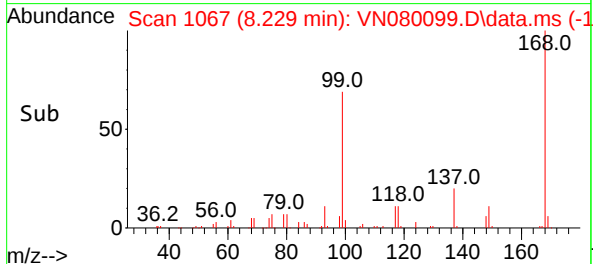
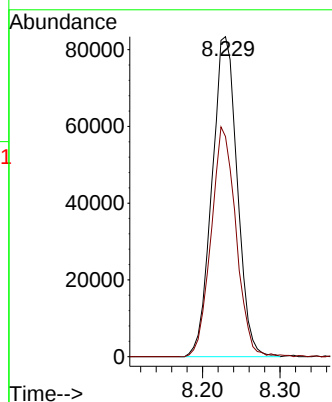
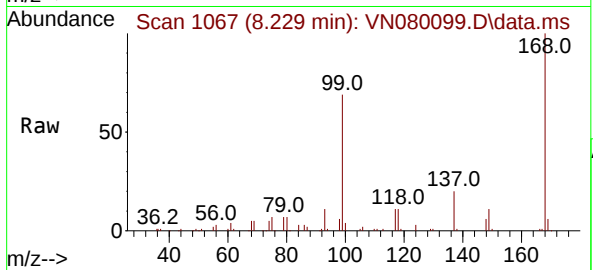




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

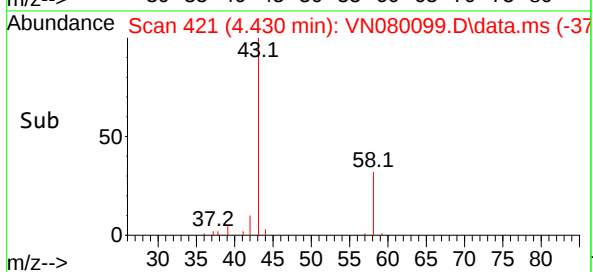
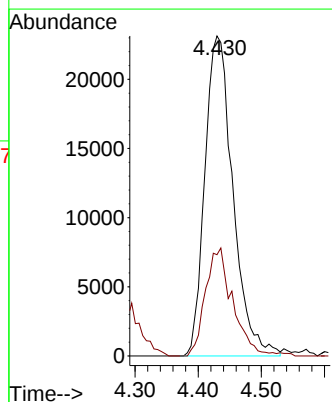
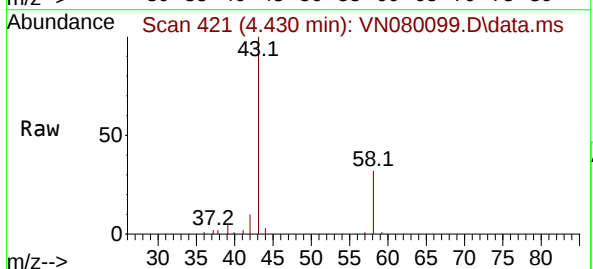
Instrument :
MSVOA_N
ClientSampleId :
S-16

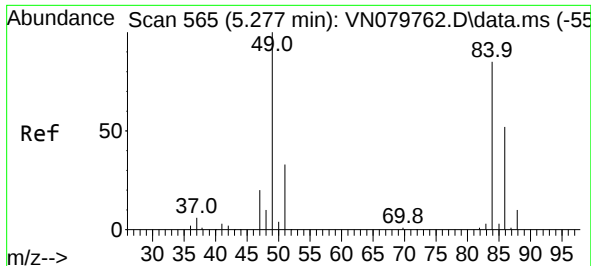
Tgt Ion:168 Resp: 188572
Ion Ratio Lower Upper
168 100
99 68.8 53.0 79.6



#16
Acetone
Concen: 70.731 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Tgt Ion: 43 Resp: 71379
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0

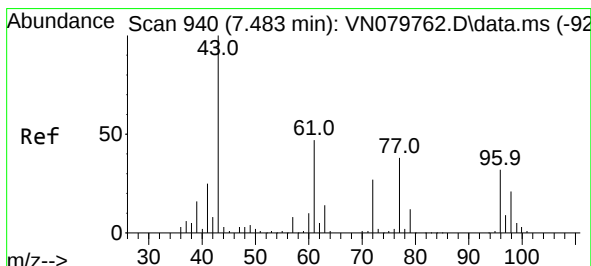
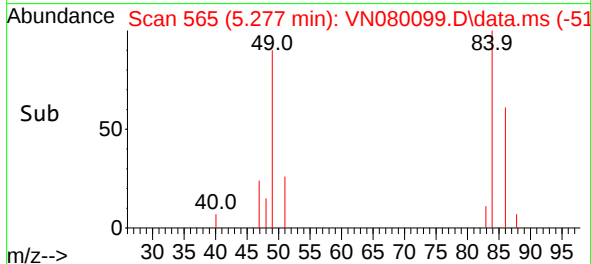
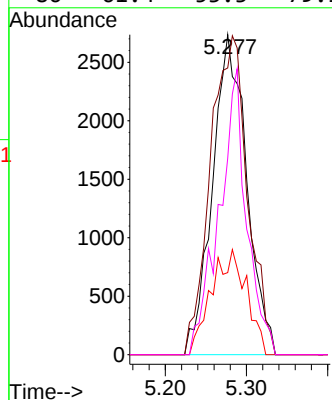
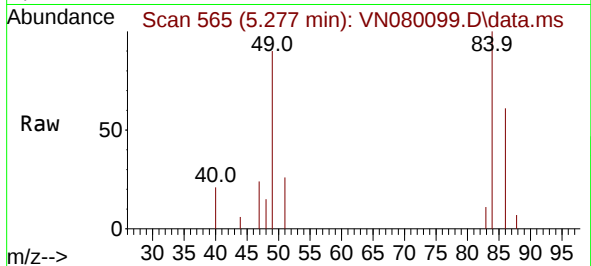




#20
Methylene Chloride
Concen: 3.138 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

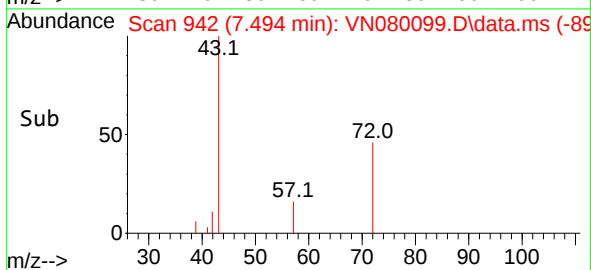
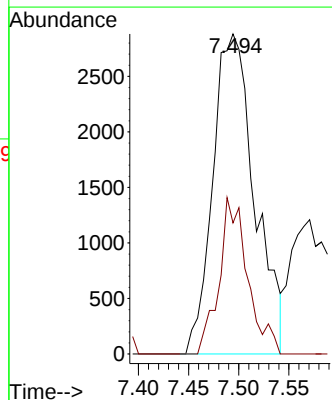
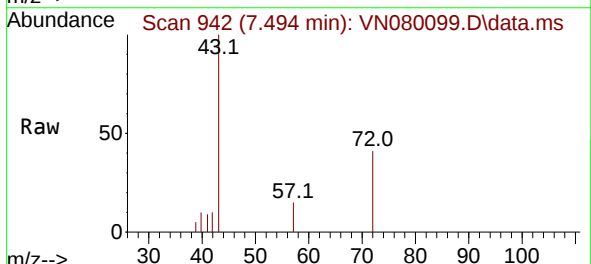
Instrument :
MSVOA_N
ClientSampleId :
S-16

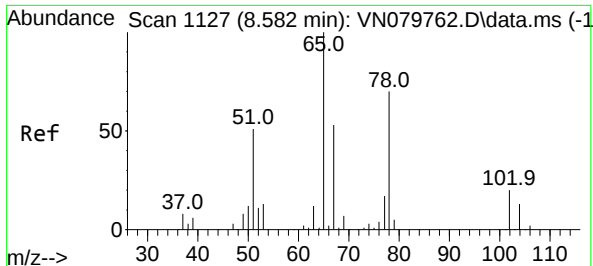
Tgt Ion:	84	Resp:	7990
Ion	Ratio	Lower	Upper
84	100		
49	89.6	79.7	119.5
51	25.7	25.2	37.8
86	61.4	53.3	79.9



#25
2-Butanone
Concen: 5.662 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Tgt Ion:	43	Resp:	8367
Ion	Ratio	Lower	Upper
43	100		
72	41.0	30.2	45.2

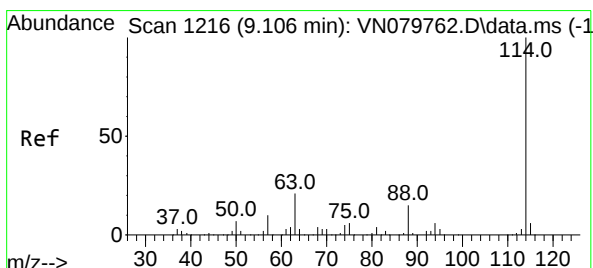
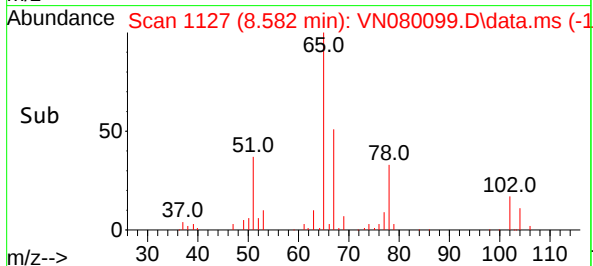
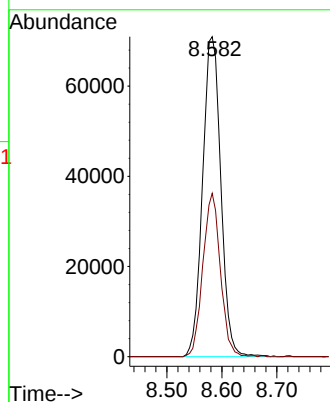
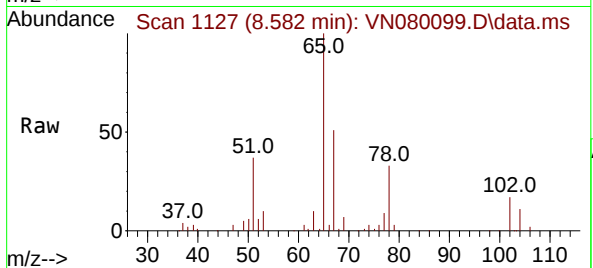




#33
 1,2-Dichloroethane-d4
 Concen: 56.986 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN080099.D
 Acq: 14 Nov 2023 19:13

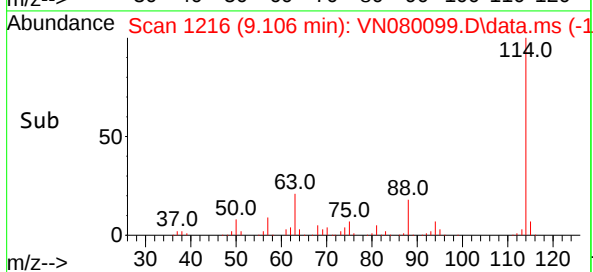
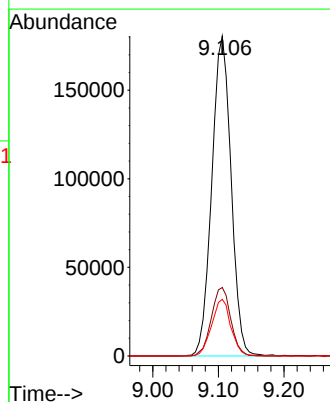
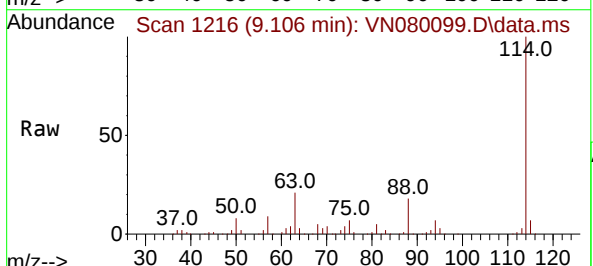
Instrument :
 MSVOA_N
 ClientSampleId :
 S-16

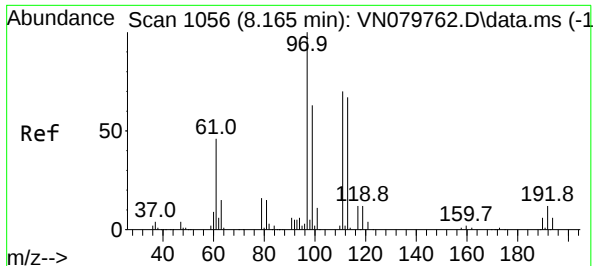
Tgt Ion: 65 Resp: 163718
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN080099.D
 Acq: 14 Nov 2023 19:13

Tgt Ion: 114 Resp: 368497
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 36.4
 88 17.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.534 ug/l

RT: 8.171 min Scan# 113

Delta R.T. 0.000 min

Lab File: VN080099.D

Acq: 14 Nov 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

S-16

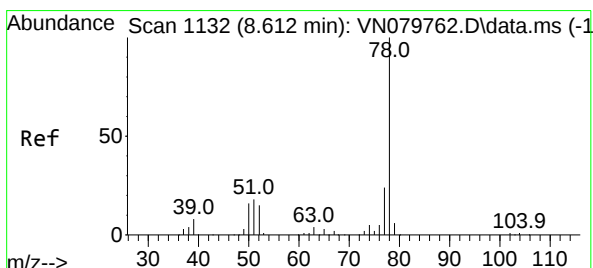
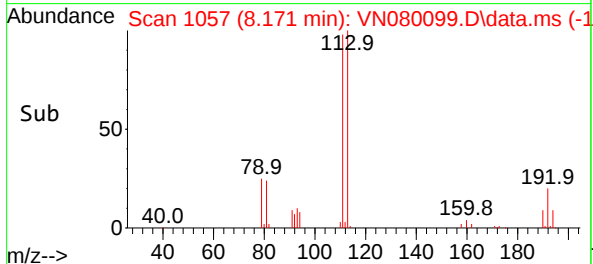
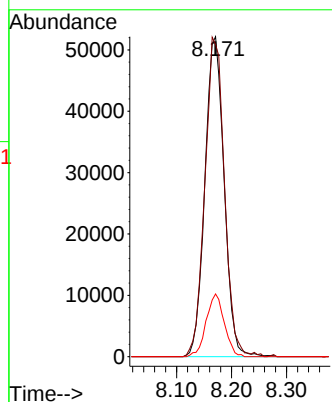
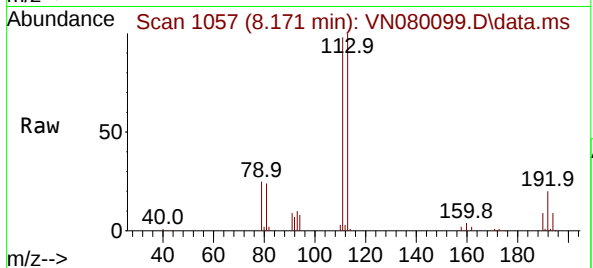
Tgt Ion:113 Resp: 126580

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 18.5 12.7 19.1



#40

Benzene

Concen: 26.025 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN080099.D

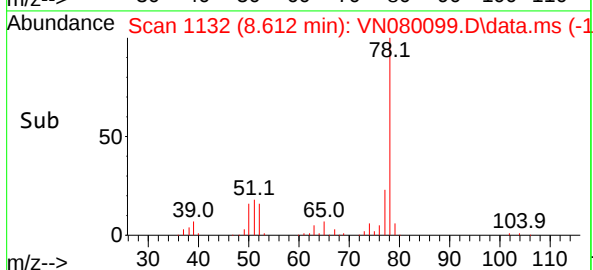
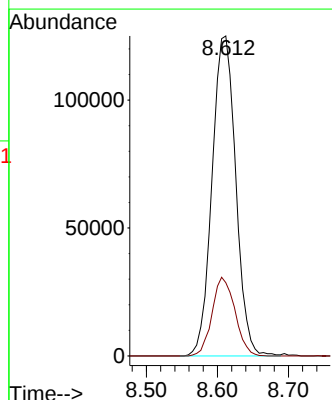
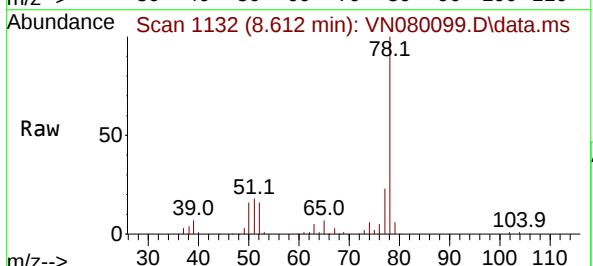
Acq: 14 Nov 2023 19:13

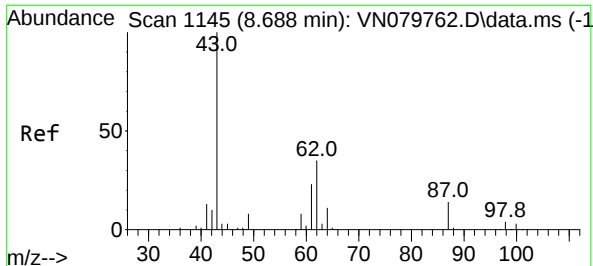
Tgt Ion: 78 Resp: 290270

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6





#43

Isopropyl Acetate

Concen: 30.434 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080099.D

Acq: 14 Nov 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

S-16

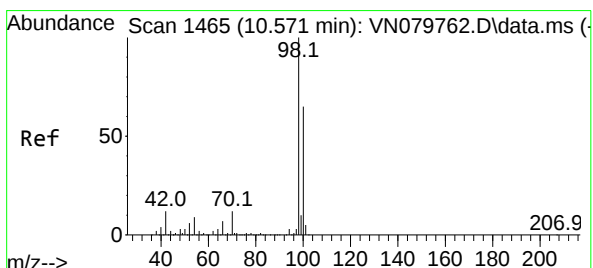
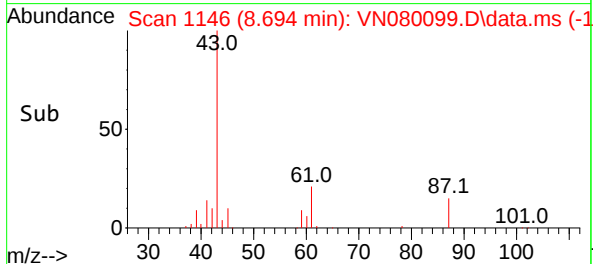
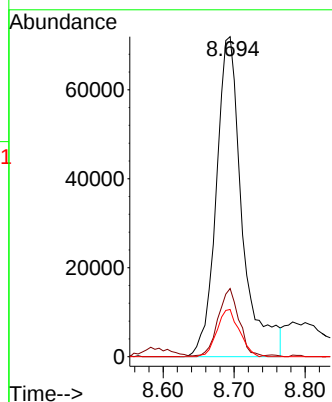
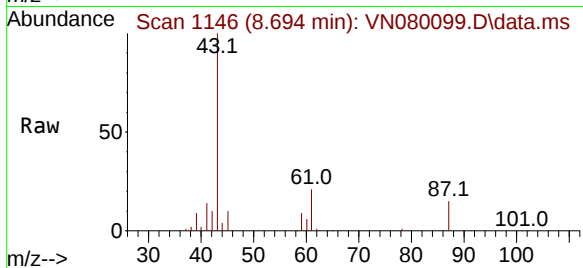
Tgt Ion: 43 Resp: 182276

Ion Ratio Lower Upper

43 100

61 16.8 24.7 37.1#

87 12.7 14.6 21.8#



#50

Toluene-d8

Concen: 48.590 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080099.D

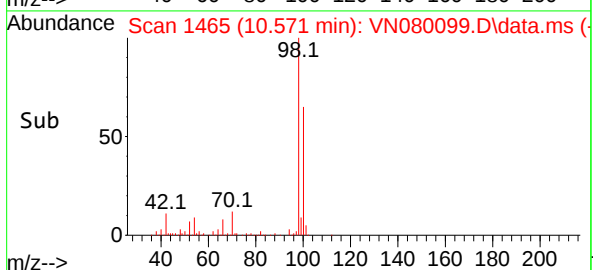
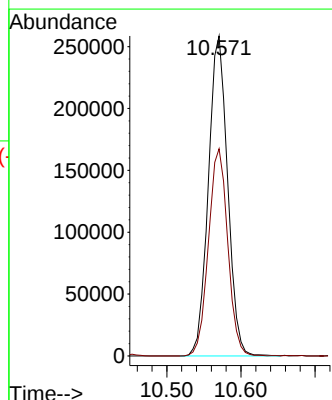
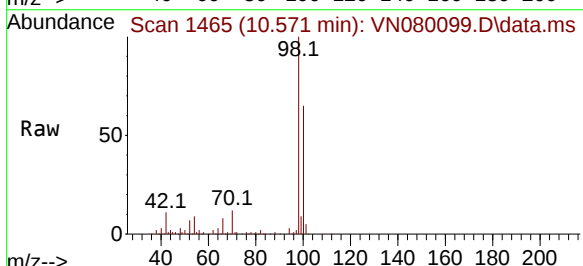
Acq: 14 Nov 2023 19:13

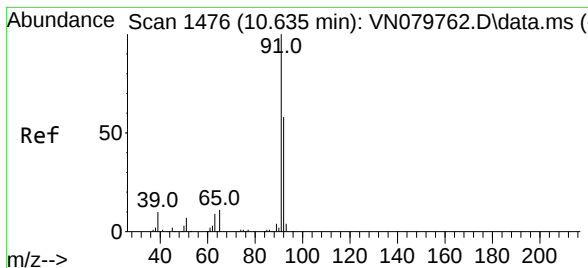
Tgt Ion: 98 Resp: 466524

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0





#52

Toluene

Concen: 23.362 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN080099.D

Acq: 14 Nov 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

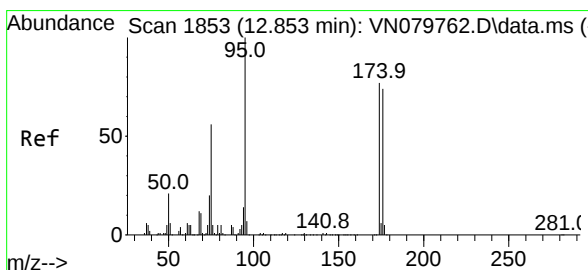
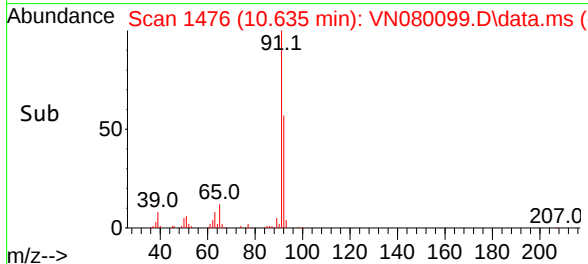
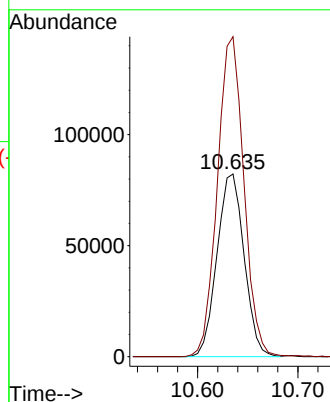
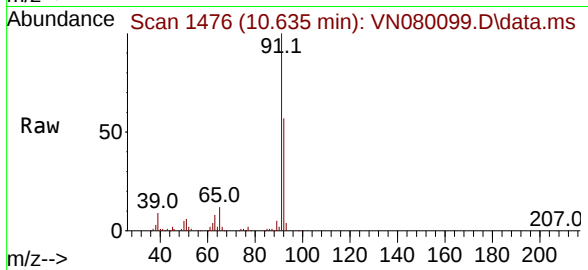
S-16

Tgt Ion: 92 Resp: 154475

Ion Ratio Lower Upper

92 100

91 171.5 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 59.846 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN080099.D

Acq: 14 Nov 2023 19:13

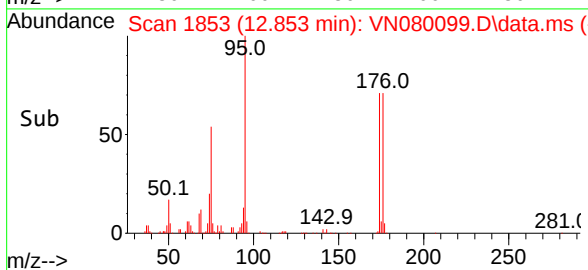
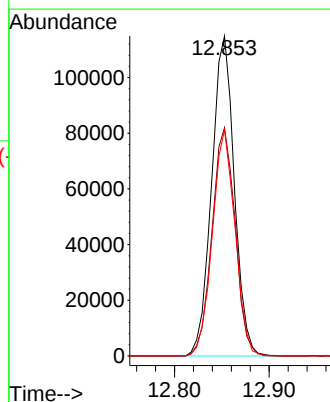
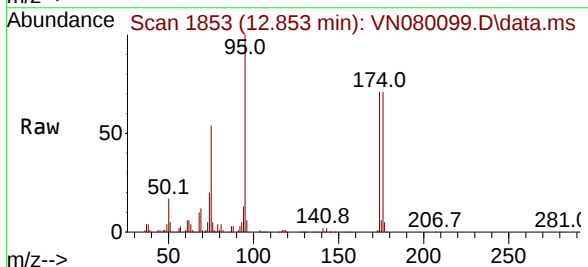
Tgt Ion: 95 Resp: 190565

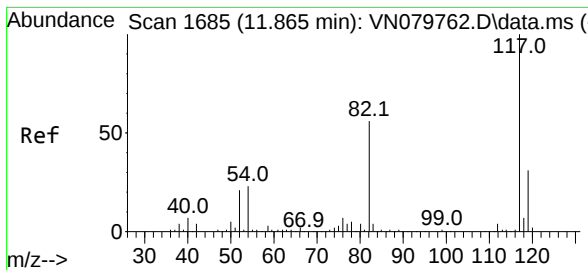
Ion Ratio Lower Upper

95 100

174 73.2 0.0 143.8

176 70.5 0.0 135.8

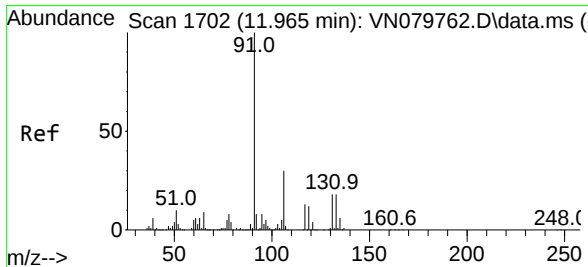
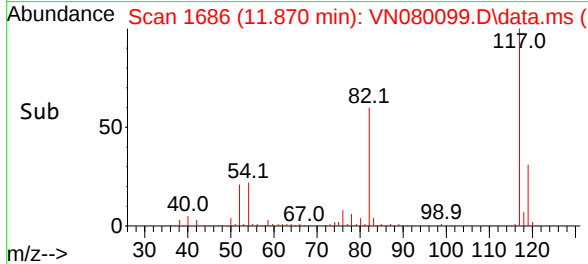
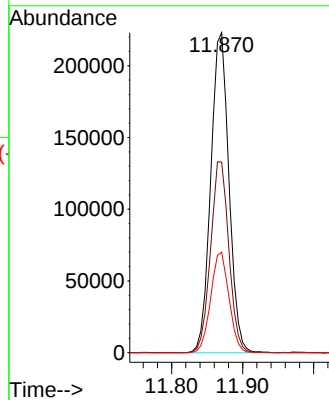
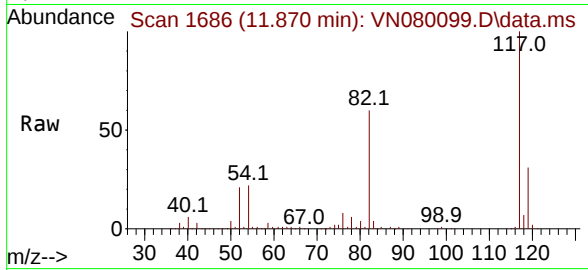




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

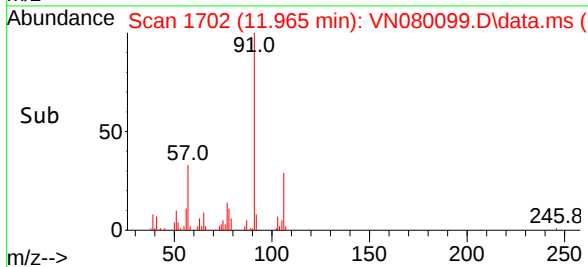
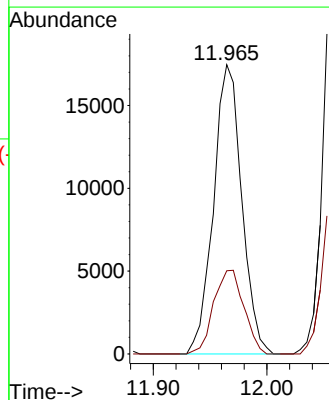
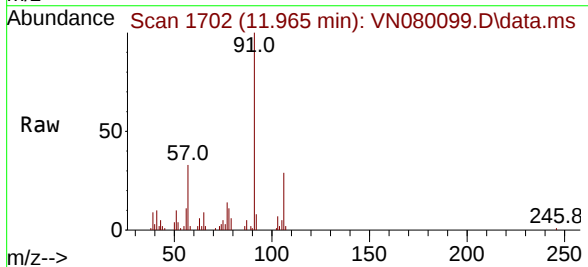
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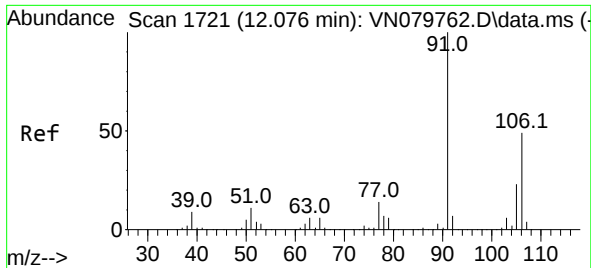
Tgt Ion:117 Resp: 395661
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 31.4 25.6 38.4



#67
Ethyl Benzene
Concen: 2.015 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Tgt Ion: 91 Resp: 30124
Ion Ratio Lower Upper
91 100
106 28.8 25.6 38.4

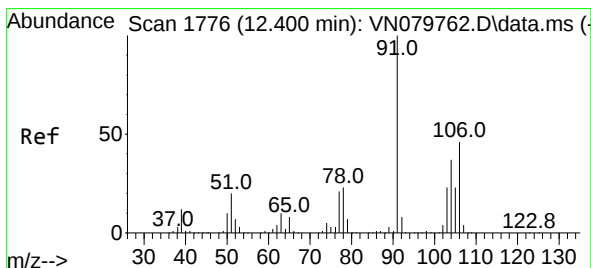
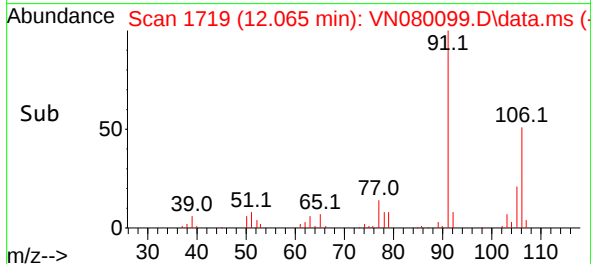
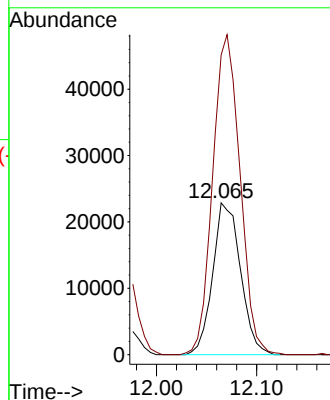
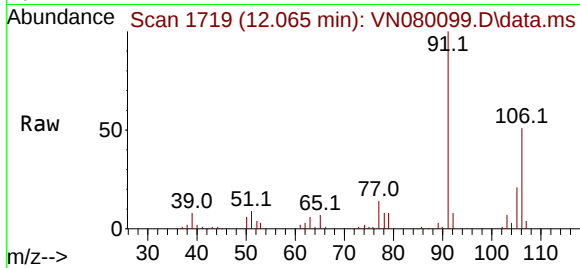




#68
m/p-Xylenes
Concen: 7.909 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

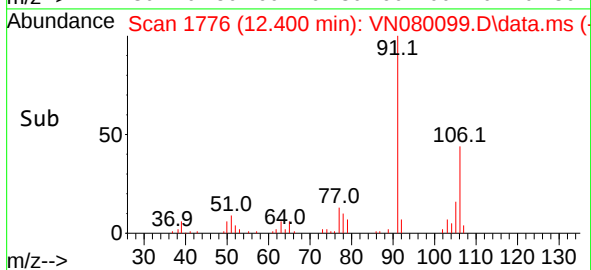
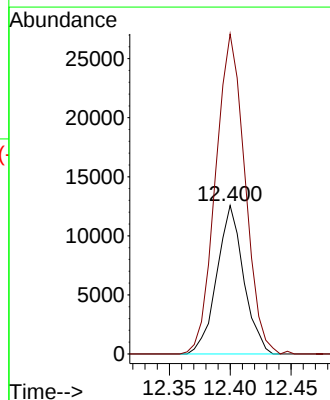
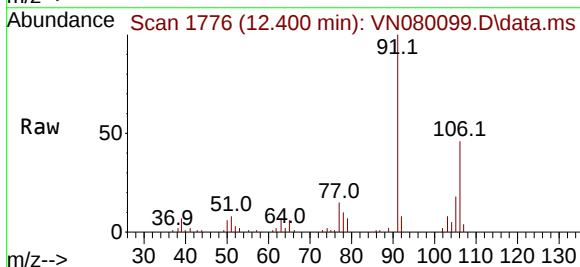
Instrument :
MSVOA_N
ClientSampleId :
S-16

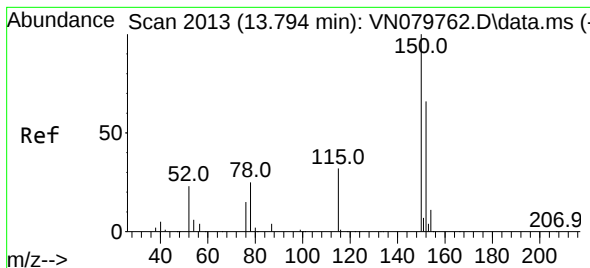
Tgt Ion:106 Resp: 44056
Ion Ratio Lower Upper
106 100
91 207.4 159.6 239.4



#69
o-Xylene
Concen: 3.587 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Tgt Ion:106 Resp: 19238
Ion Ratio Lower Upper
106 100
91 236.5 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080099.D

Acq: 14 Nov 2023 19:13

Instrument :

MSVOA_N

ClientSampleId :

S-16

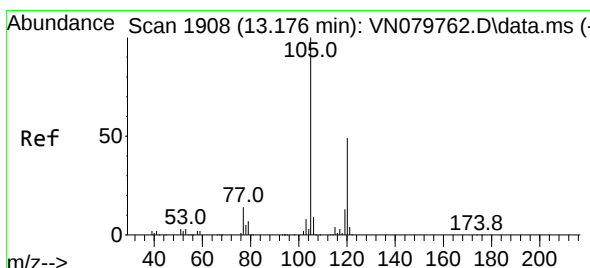
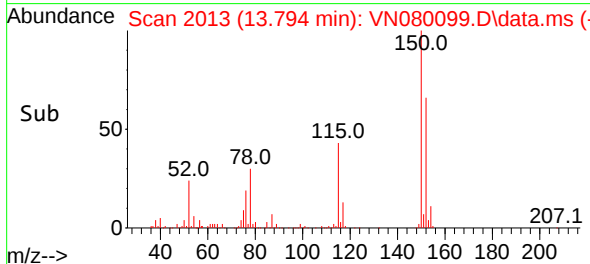
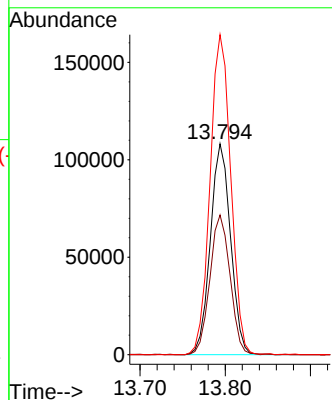
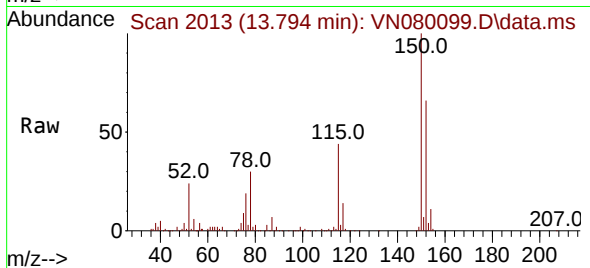
Tgt Ion:152 Resp: 178821

Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 155.4 0.0 355.8



#80

1,3,5-Trimethylbenzene

Concen: 0.365 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080099.D

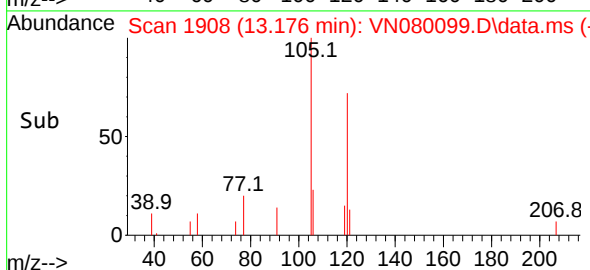
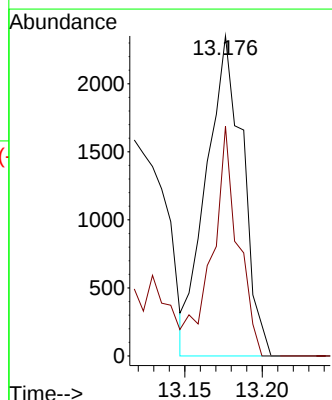
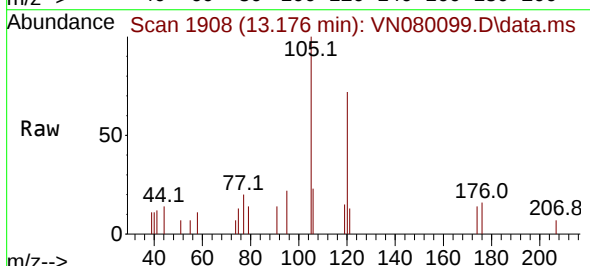
Acq: 14 Nov 2023 19:13

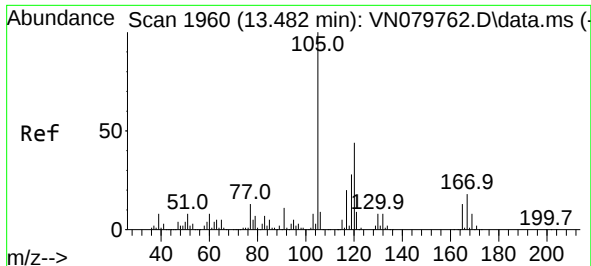
Tgt Ion:105 Resp: 3849

Ion Ratio Lower Upper

105 100

120 50.7 24.1 72.3

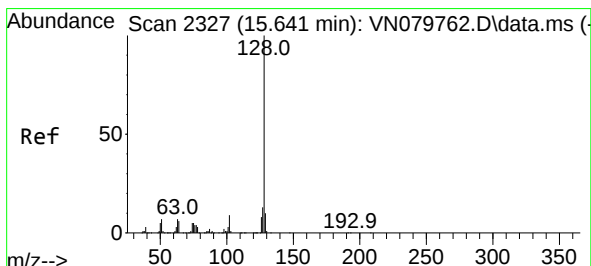
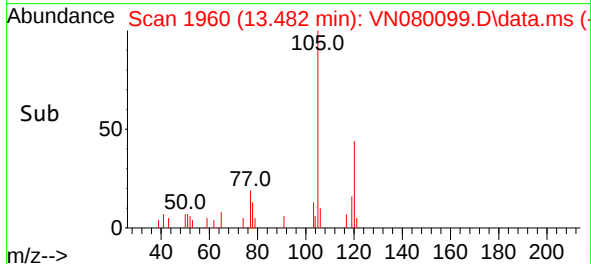
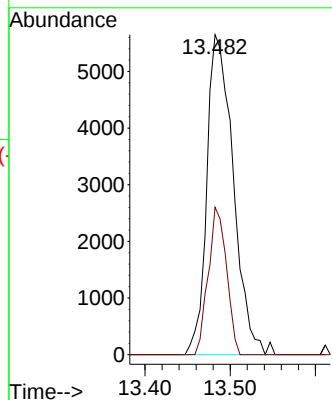
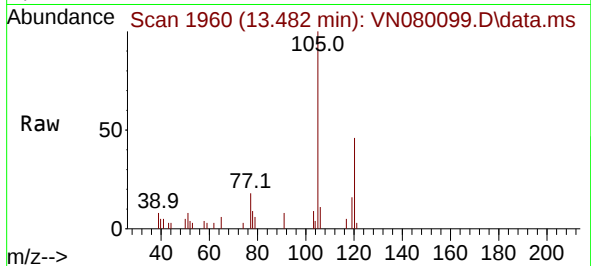




#84
1,2,4-Trimethylbenzene
Concen: 1.171 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Instrument :
MSVOA_N
ClientSampleId :
S-16

Tgt Ion:105 Resp: 12168
Ion Ratio Lower Upper
105 100
120 31.8 22.0 66.0



#95
Naphthalene
Concen: 7.233 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080099.D
Acq: 14 Nov 2023 19:13

Tgt Ion:128 Resp: 68050
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.6 8.7 13.1

