

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080115.D
 Acq On : 15 Nov 2023 17:05
 Operator : JC\MD
 Sample : 05417-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1116

Quant Time: Nov 15 21:55:33 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	200162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	380492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	163606	53.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	8.171	113	127034	47.057	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.120%	
50) Toluene-d8	10.571	98	469156	47.207	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.853	95	192559	58.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.840%	

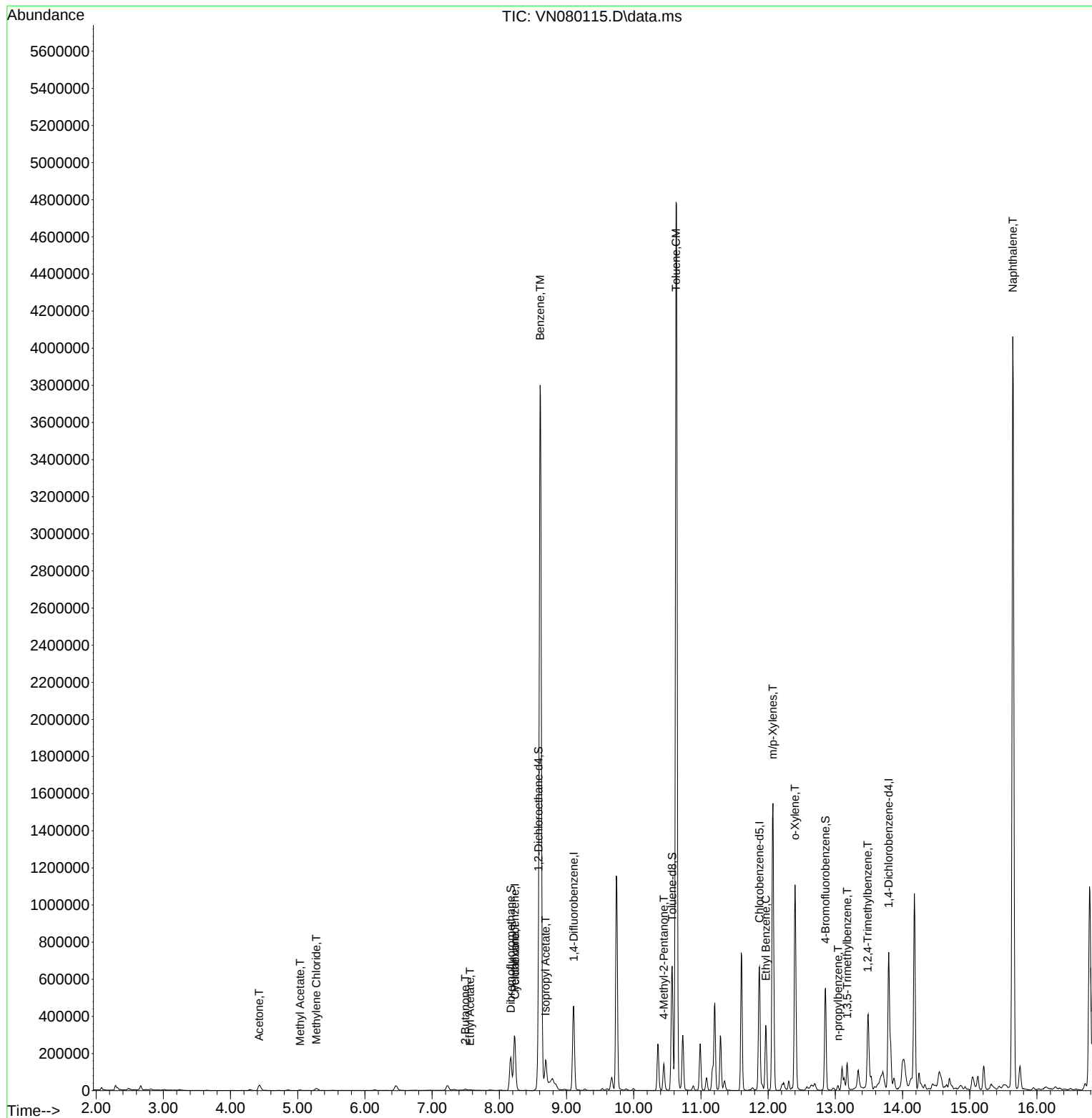
Target Compounds					Qvalue	
16) Acetone	4.424	43	54791	51.150	ug/l #	87
18) Methyl Acetate	5.036	43	5383	1.050	ug/l	97
20) Methylene Chloride	5.277	84	9324	3.450	ug/l #	90
25) 2-Butanone	7.494	43	9421	6.006	ug/l	92
31) Cyclohexane	8.236	56	8662	2.150	ug/l #	46
37) Ethyl Acetate	7.565	43	4119	1.165	ug/l #	92
40) Benzene	8.606	78	3923326	339.829	ug/l	100
43) Isopropyl Acetate	8.688	43	196558	31.706	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	88555	25.372	ug/l	95
52) Toluene	10.630	92	2179849	318.488	ug/l	100
67) Ethyl Benzene	11.965	91	247619	17.220	ug/l	93
68) m/p-Xylenes	12.071	106	472398	88.188	ug/l	88
69) o-Xylene	12.400	106	273426	53.007	ug/l	89
78) n-propylbenzene	13.041	91	20318	1.230	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	77413	6.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	254077	23.019	ug/l	87
95) Naphthalene	15.641	128	3646790	364.797	ug/l	99

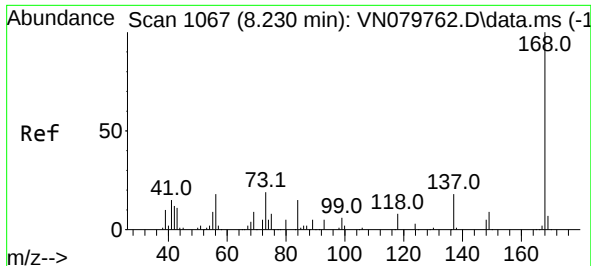
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
1116

Quant Time: Nov 15 21:55:33 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

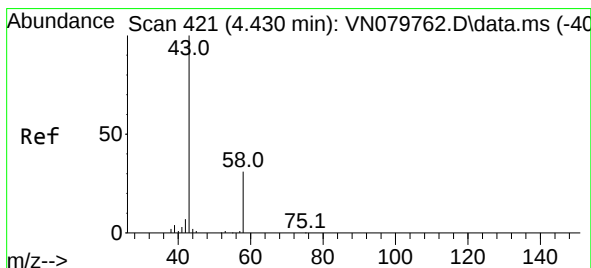
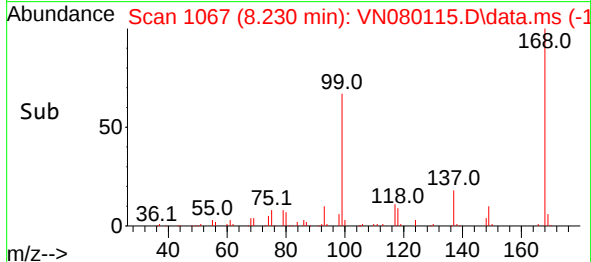
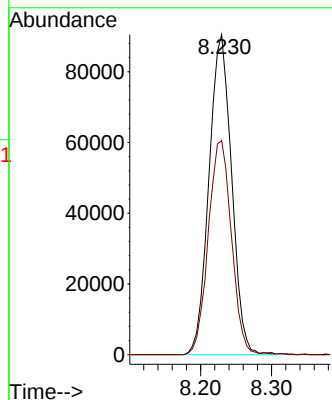
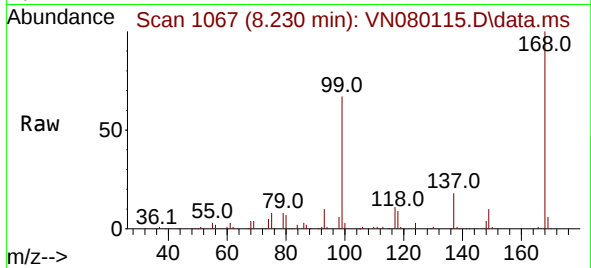




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1116
Delta R.T. 0.001 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

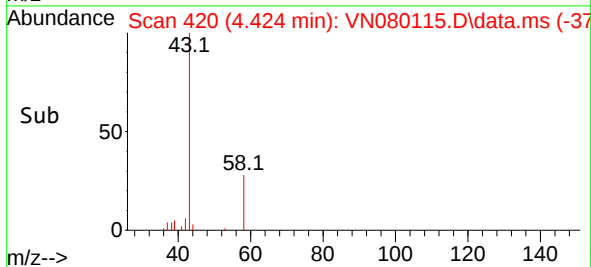
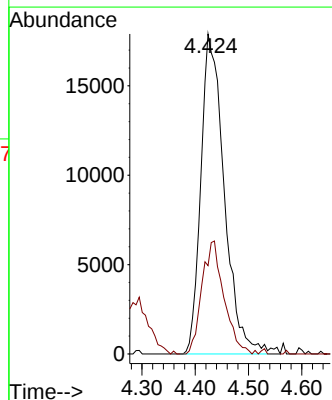
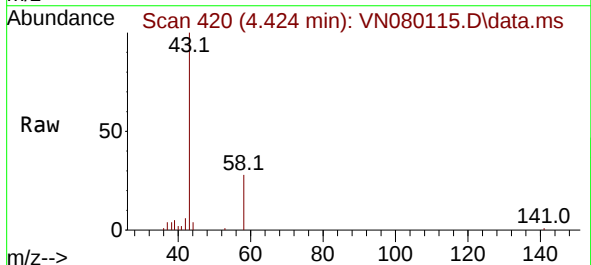
Instrument :
MSVOA_N
ClientSampleId :
1116

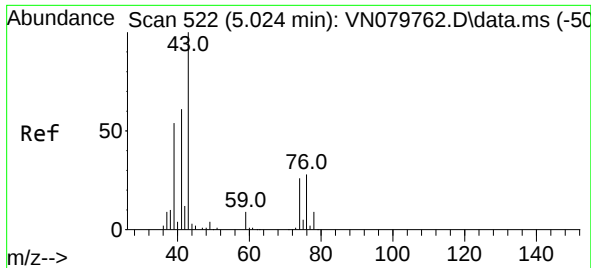
Tgt Ion:168 Resp: 200162
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#16
Acetone
Concen: 51.150 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 43 Resp: 54791
Ion Ratio Lower Upper
43 100
58 27.6 28.0 42.0#

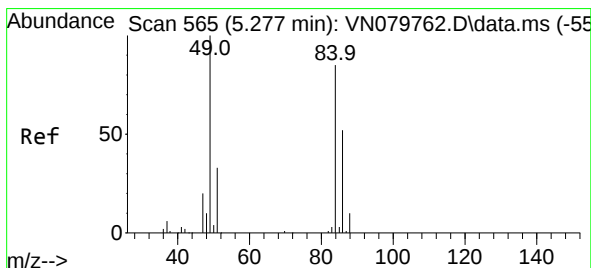
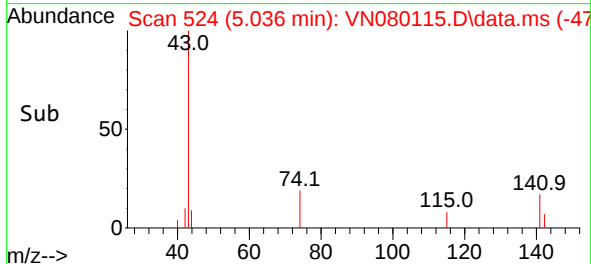
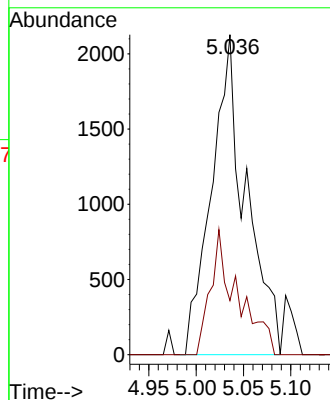
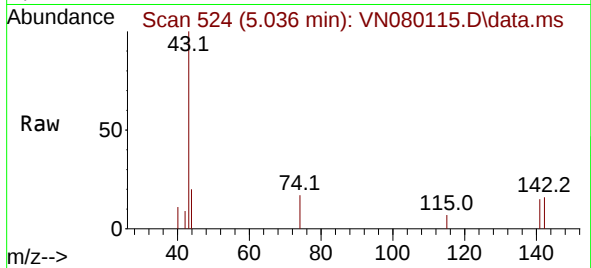




#18
Methyl Acetate
Concen: 1.050 ug/l
RT: 5.036 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

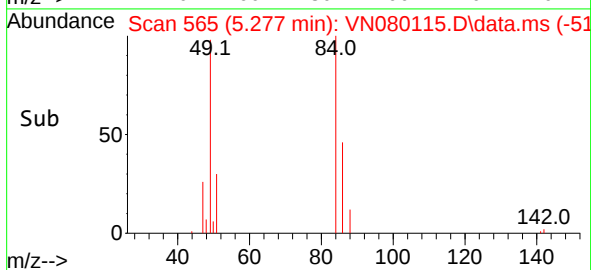
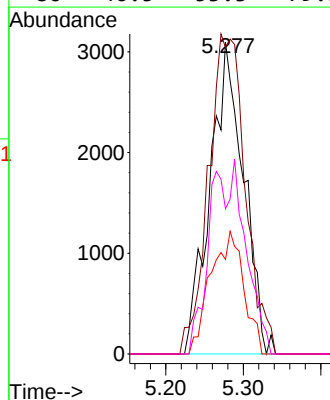
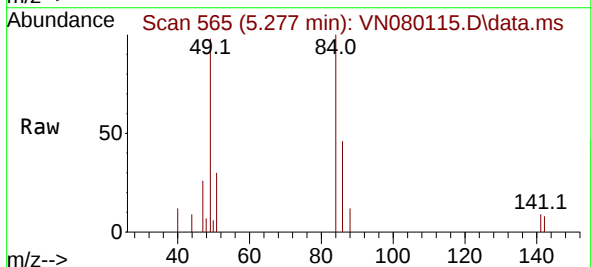
Instrument :
MSVOA_N
ClientSampleId :
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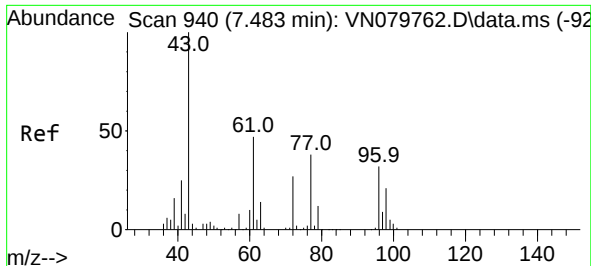
Tgt Ion: 43 Resp: 5383
Ion Ratio Lower Upper
43 100
74 30.8 26.2 39.4



#20
Methylene Chloride
Concen: 3.450 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 84 Resp: 9324
Ion Ratio Lower Upper
84 100
49 98.2 79.7 119.5
51 30.3 25.2 37.8
86 46.5 53.3 79.9#

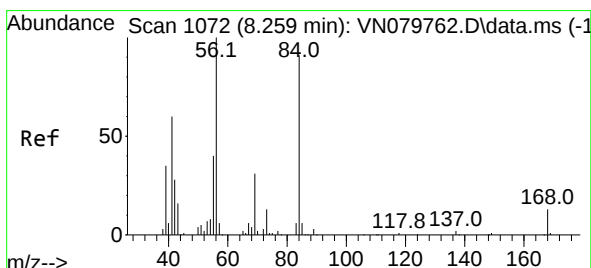
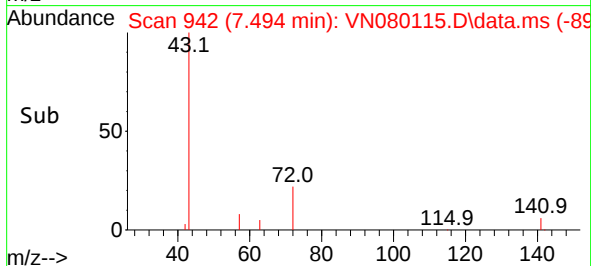
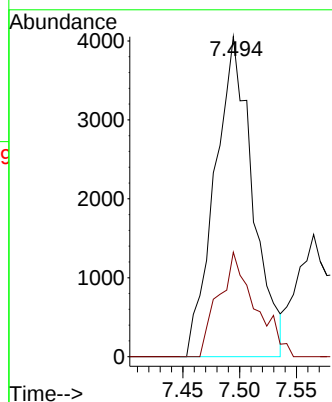
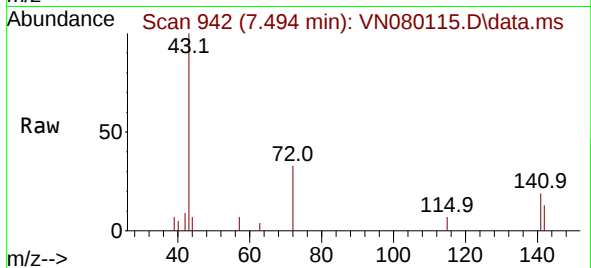




#25
2-Butanone
Concen: 6.006 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

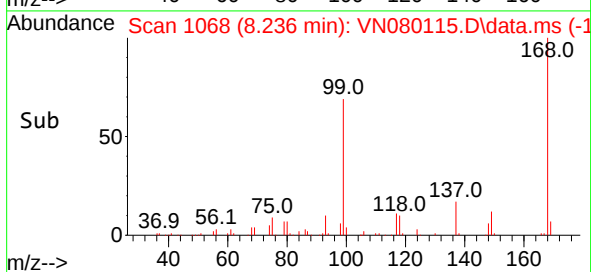
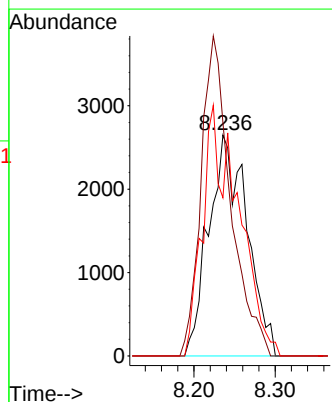
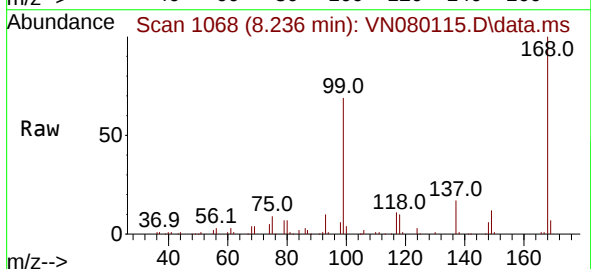
Instrument :
MSVOA_N
ClientSampleId :
1116

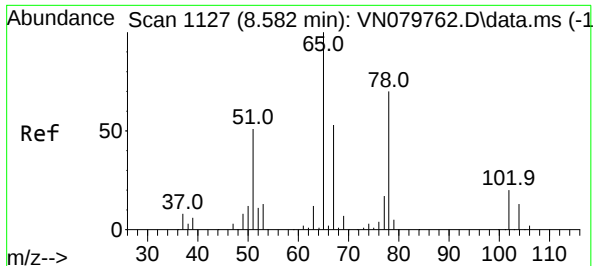
Tgt Ion: 43 Resp: 9421
Ion Ratio Lower Upper
43 100
72 32.7 30.2 45.2



#31
Cyclohexane
Concen: 2.150 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 56 Resp: 8662
Ion Ratio Lower Upper
56 100
69 105.7 26.8 40.2#
84 71.7 81.8 122.6#

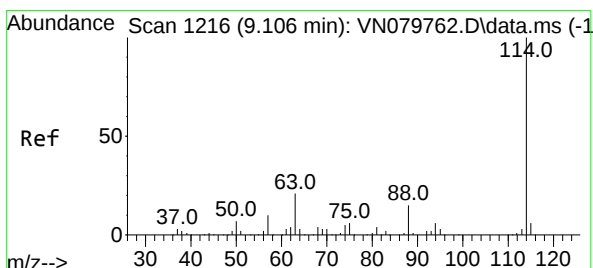
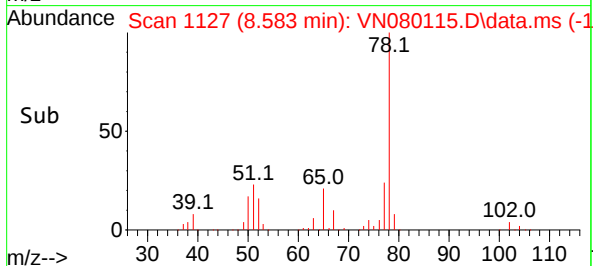
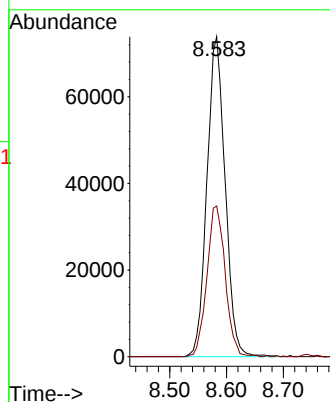
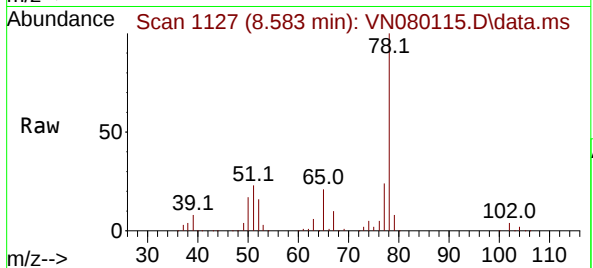




#33
1,2-Dichloroethane-d4
Concen: 53.649 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

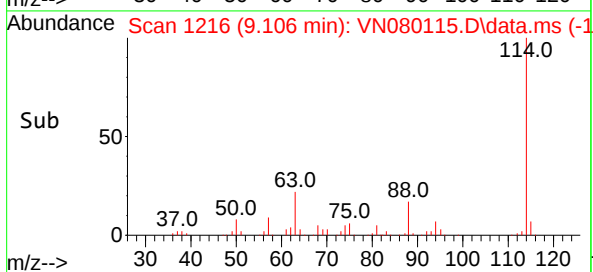
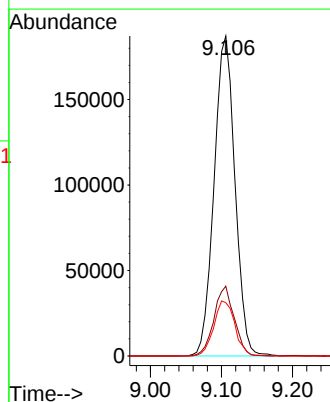
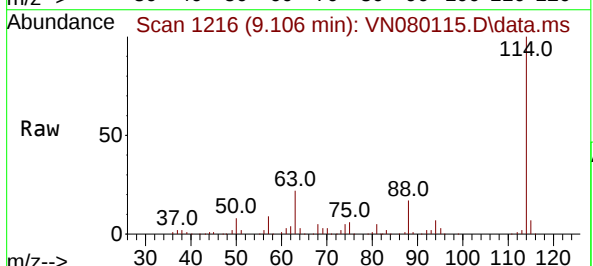
Instrument :
MSVOA_N
ClientSampleId :
1116

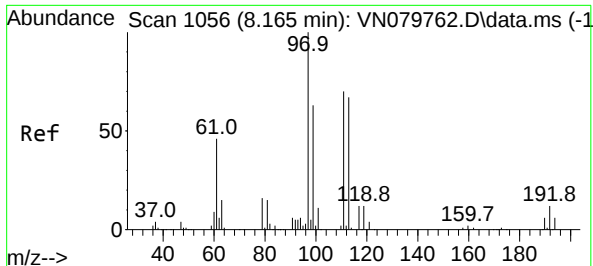
Tgt Ion: 65 Resp: 163606
Ion Ratio Lower Upper
65 100
67 47.6 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 114 Resp: 381428
Ion Ratio Lower Upper
114 100
63 21.8 0.0 36.4
88 16.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.057 ug/l

RT: 8.171 min Scan# 1116

Delta R.T. 0.000 min

Lab File: VN080115.D

Acq: 15 Nov 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

1116

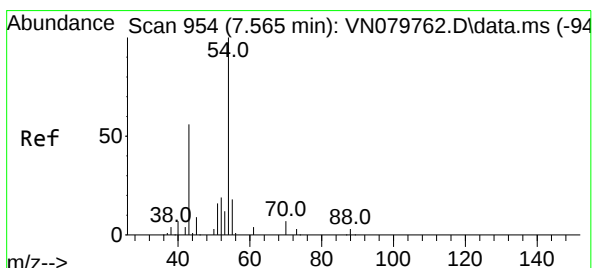
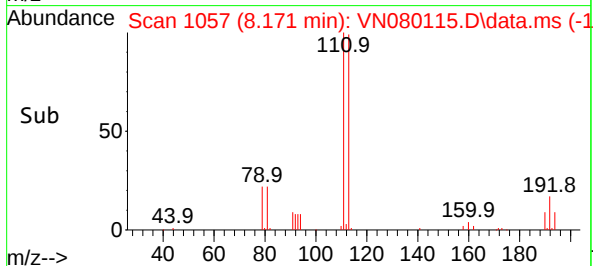
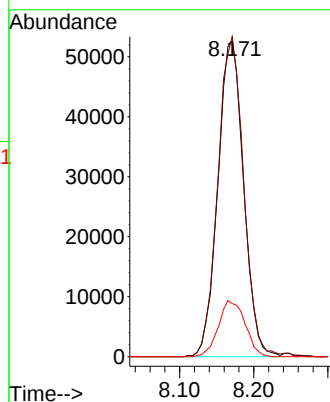
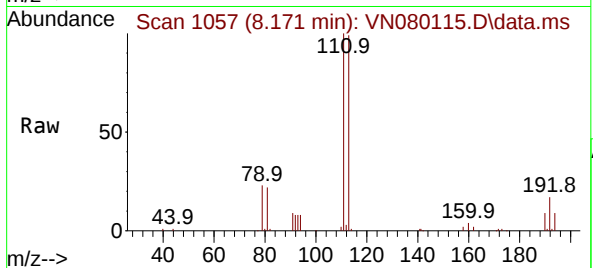
Tgt Ion:113 Resp: 127034

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 18.4 12.7 19.1



#37

Ethyl Acetate

Concen: 1.165 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN080115.D

Acq: 15 Nov 2023 17:05

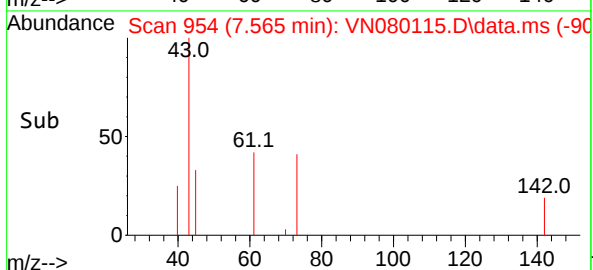
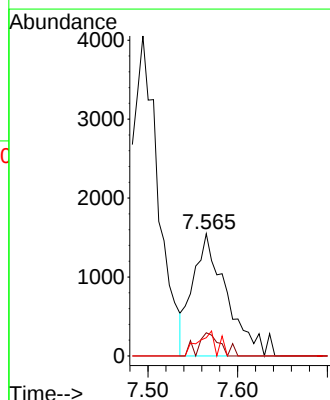
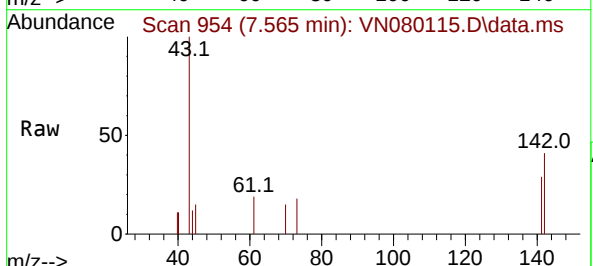
Tgt Ion: 43 Resp: 4119

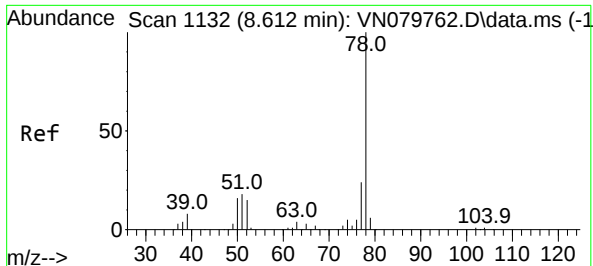
Ion Ratio Lower Upper

43 100

61 12.4 13.2 19.8#

70 11.3 11.3 16.9

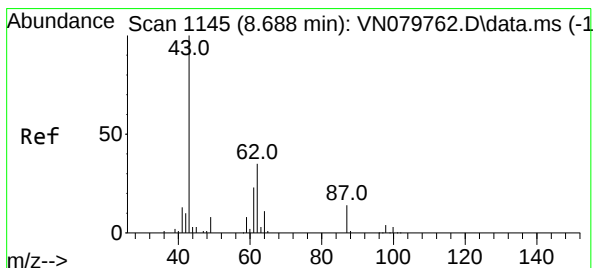
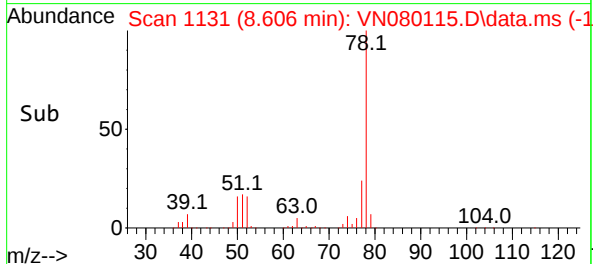
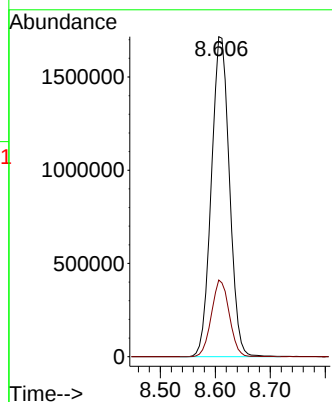
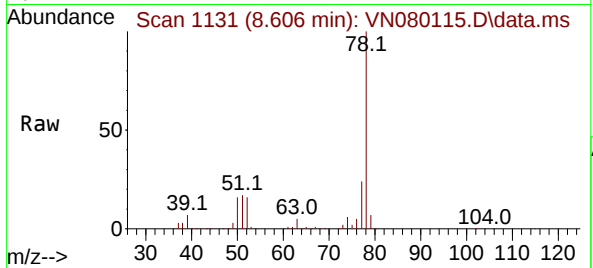




#40
Benzene
Concen: 339.829 ug/l
RT: 8.606 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

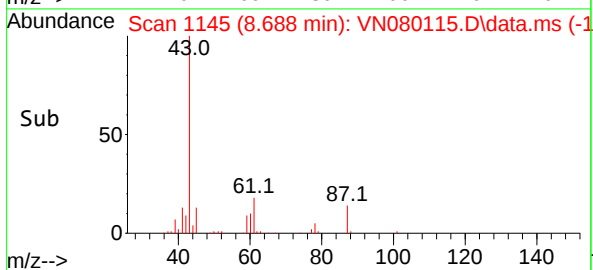
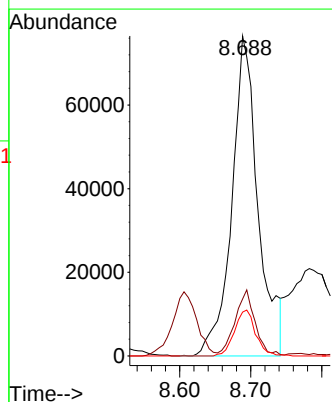
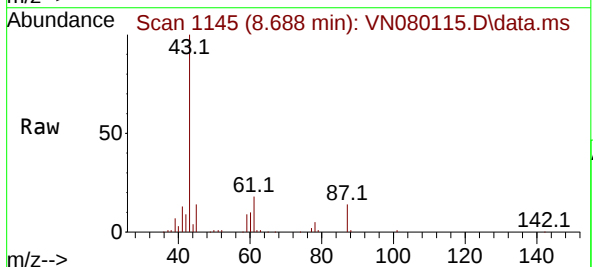
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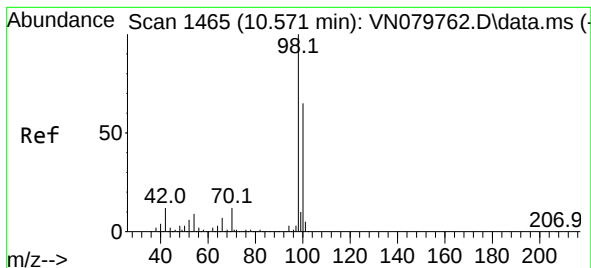
Tgt Ion: 78 Resp: 3923326
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



#43
Isopropyl Acetate
Concen: 31.706 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 43 Resp: 196558
Ion Ratio Lower Upper
43 100
61 15.2 24.7 37.1#
87 11.6 14.6 21.8#

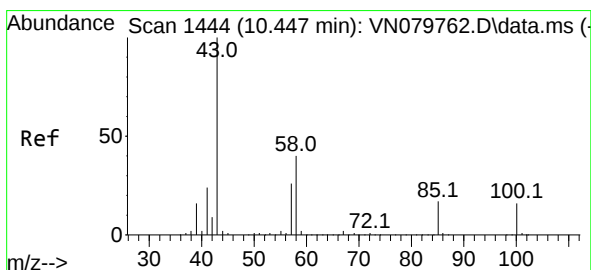
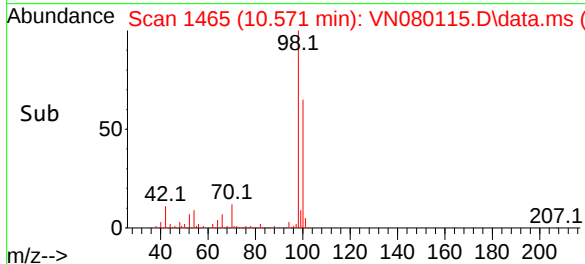
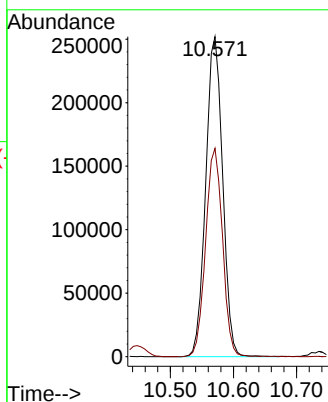
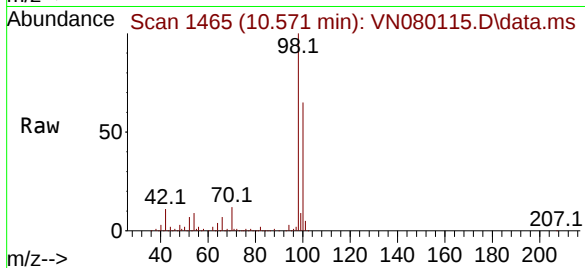




#50
Toluene-d8
Concen: 47.207 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

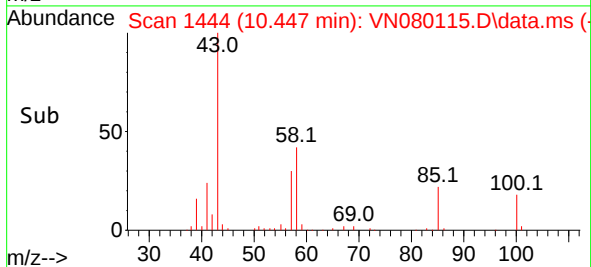
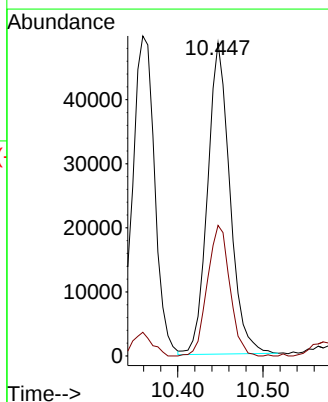
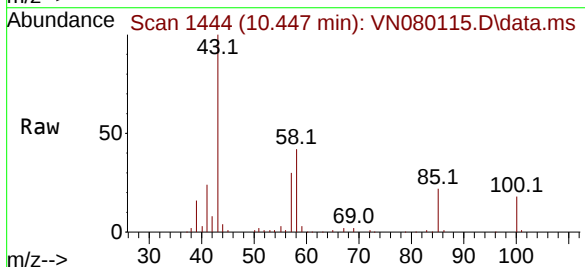
Instrument :
MSVOA_N
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1116

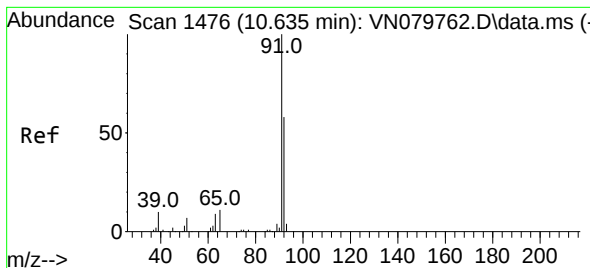
Tgt Ion: 98 Resp: 469156
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 25.372 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 43 Resp: 88555
Ion Ratio Lower Upper
43 100
58 42.1 36.6 54.8





#52

Toluene

Concen: 318.488 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN080115.D

Acq: 15 Nov 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

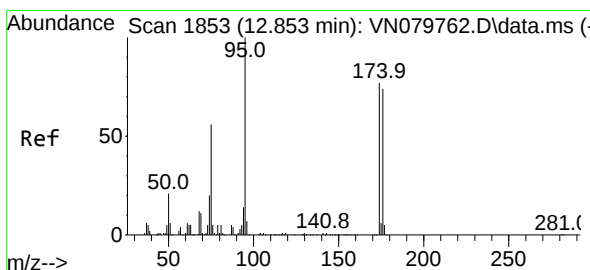
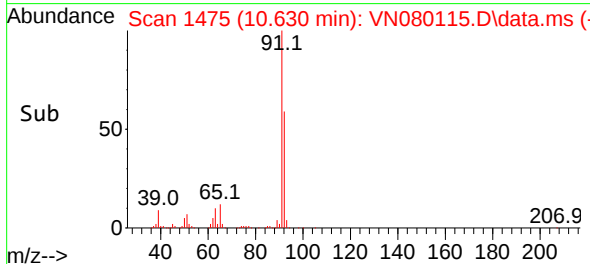
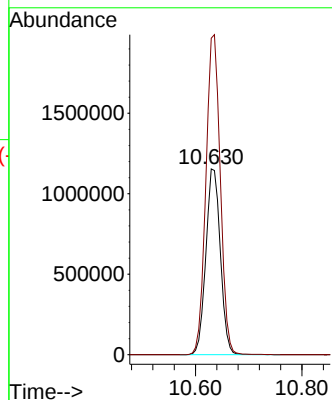
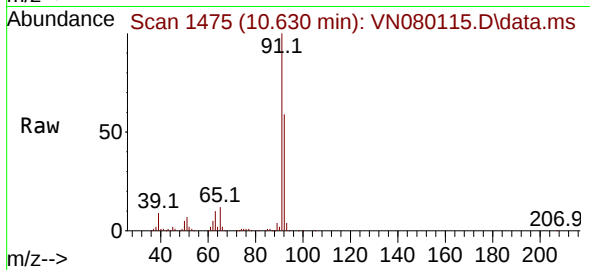
1116

Tgt Ion: 92 Resp: 2179849

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 58.422 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN080115.D

Acq: 15 Nov 2023 17:05

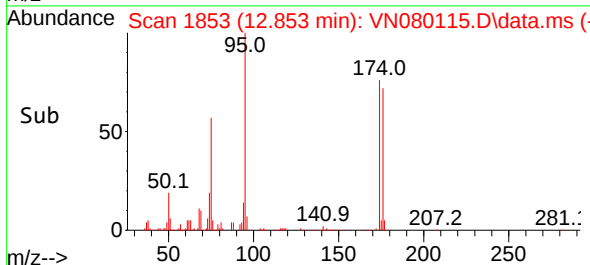
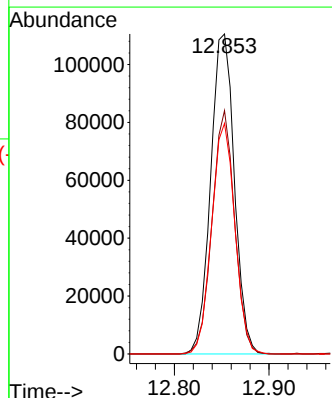
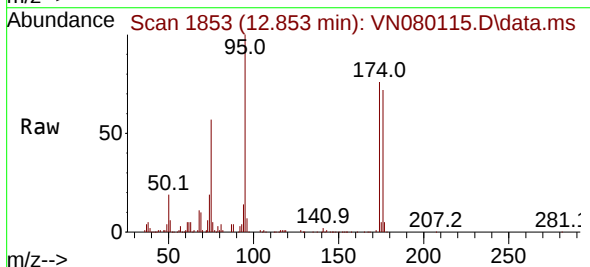
Tgt Ion: 95 Resp: 192559

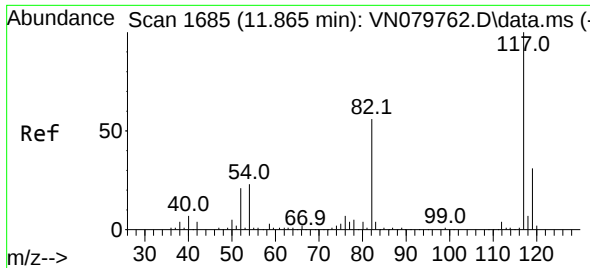
Ion Ratio Lower Upper

95 100

174 72.1 0.0 143.8

176 70.7 0.0 135.8

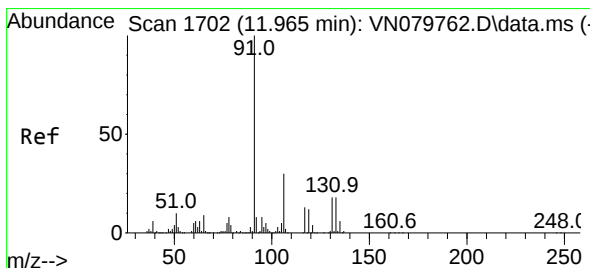
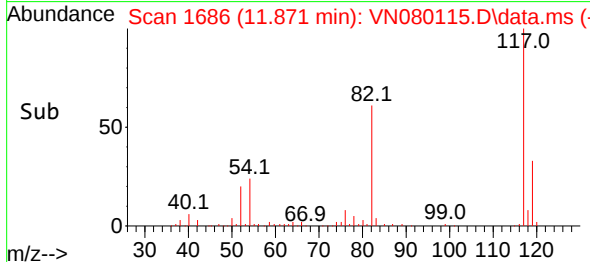
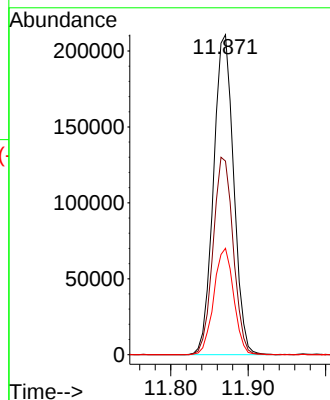
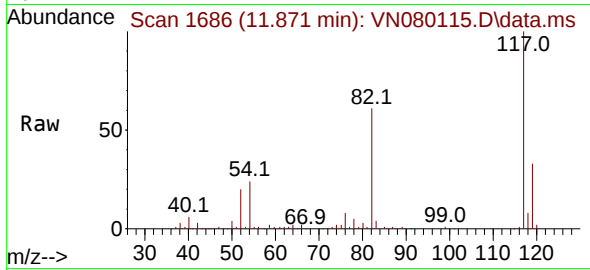




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1116
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

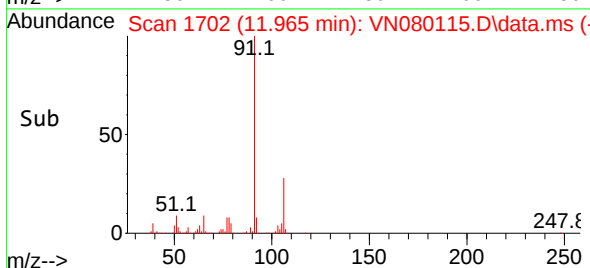
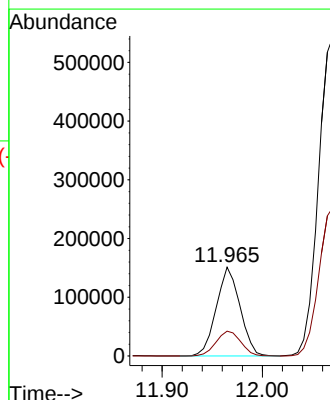
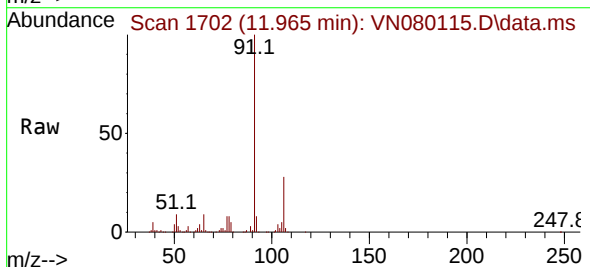
Instrument :
MSVOA_N
ClientSampleId :
1116

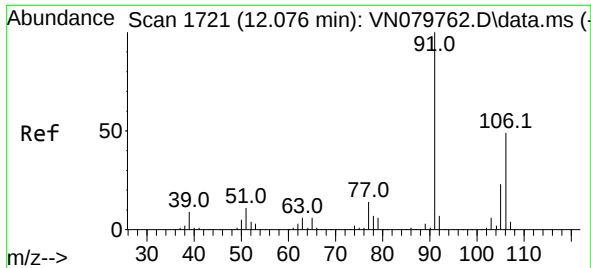
Tgt Ion:117 Resp: 380492
Ion Ratio Lower Upper
117 100
82 60.5 44.0 66.0
119 33.2 25.6 38.4



#67
Ethyl Benzene
Concen: 17.220 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion: 91 Resp: 247619
Ion Ratio Lower Upper
91 100
106 27.9 25.6 38.4

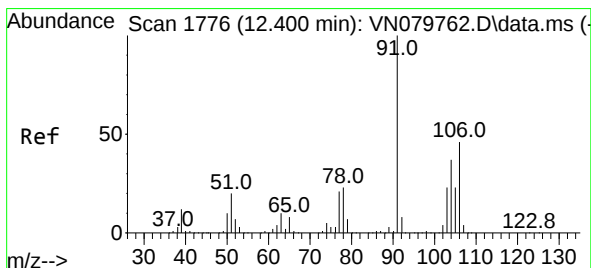
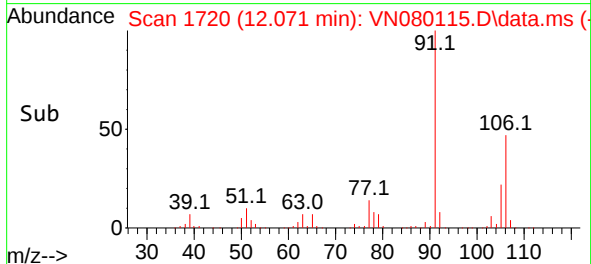
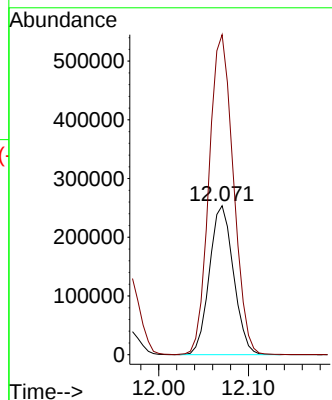
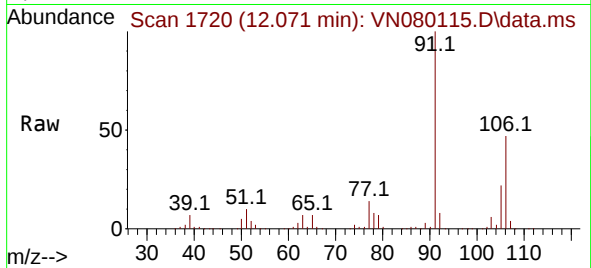




#68
m/p-Xylenes
Concen: 88.188 ug/l
RT: 12.071 min Scan# 1116
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

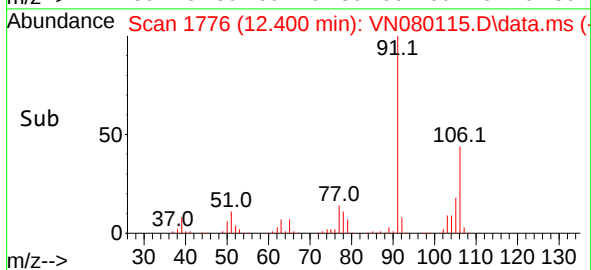
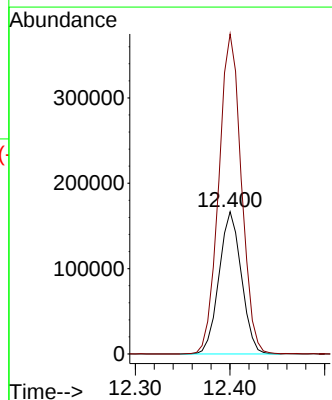
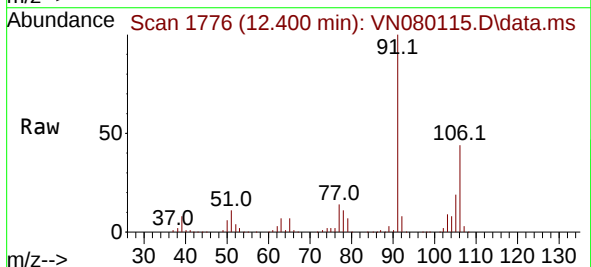
Instrument :
MSVOA_N
ClientSampleId :
1116

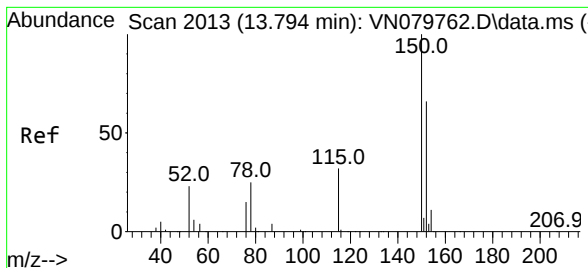
Tgt Ion:106 Resp: 472398
Ion Ratio Lower Upper
106 100
91 217.5 159.6 239.4



#69
o-Xylene
Concen: 53.007 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Tgt Ion:106 Resp: 273426
Ion Ratio Lower Upper
106 100
91 228.0 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080115.D

Acq: 15 Nov 2023 17:05

Instrument :

MSVOA_N

ClientSampleId :

1116

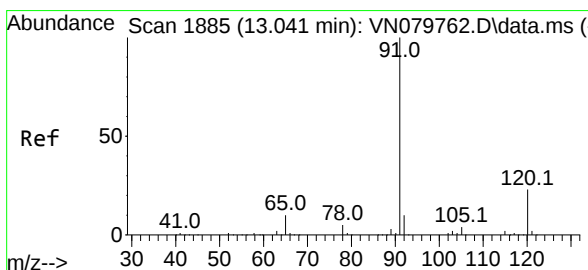
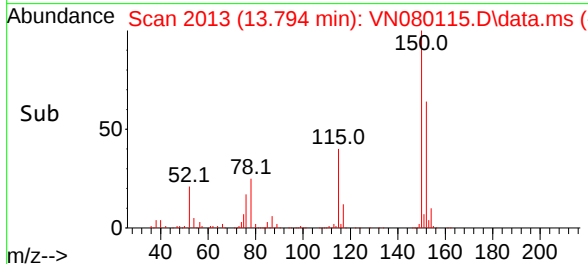
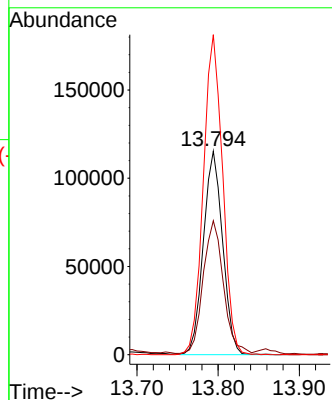
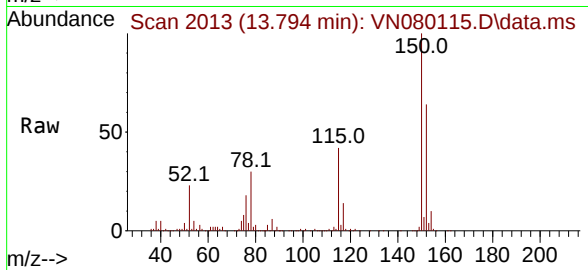
Tgt Ion:152 Resp: 189994

Ion Ratio Lower Upper

152 100

115 68.2 32.3 96.8

150 156.9 0.0 355.8



#78

n-propylbenzene

Concen: 1.230 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN080115.D

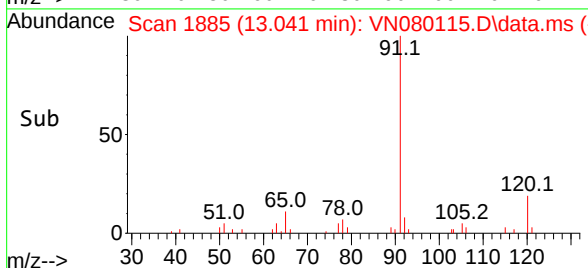
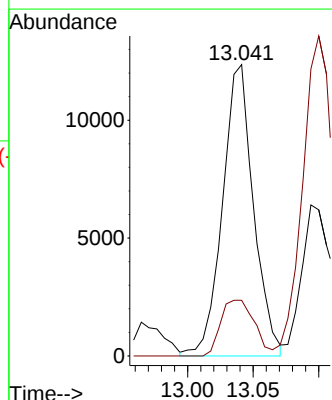
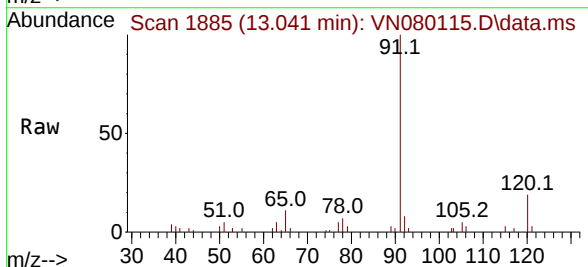
Acq: 15 Nov 2023 17:05

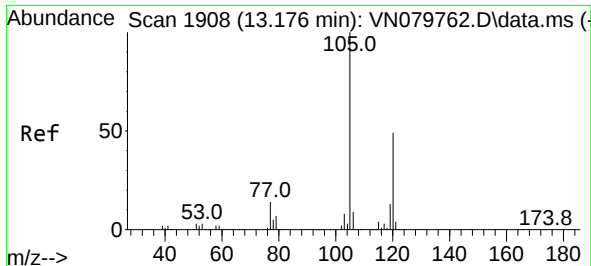
Tgt Ion: 91 Resp: 20318

Ion Ratio Lower Upper

91 100

120 20.8 11.5 34.4

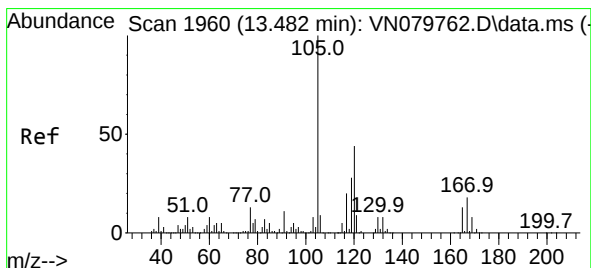
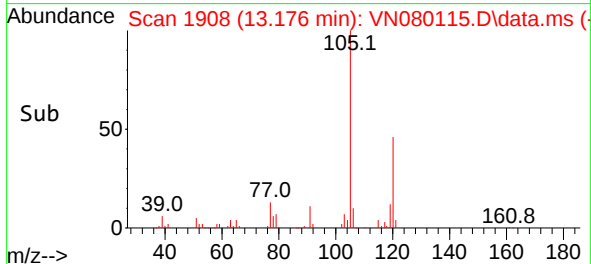
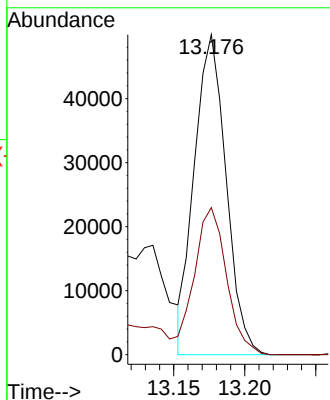
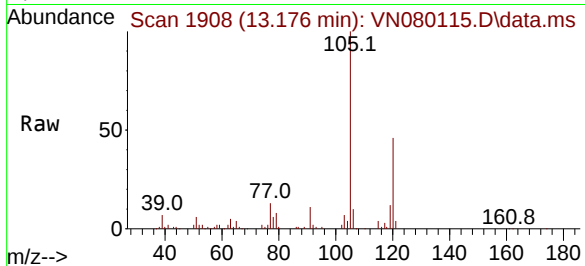




#80
 1,3,5-Trimethylbenzene
 Concen: 6.900 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN080115.D
 Acq: 15 Nov 2023 17:05

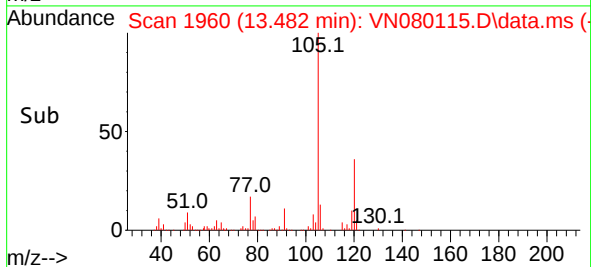
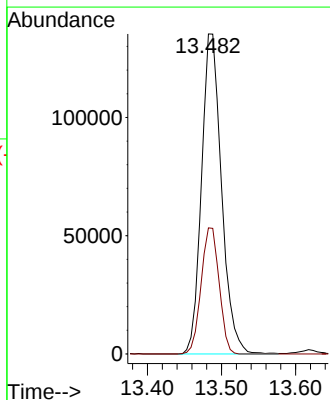
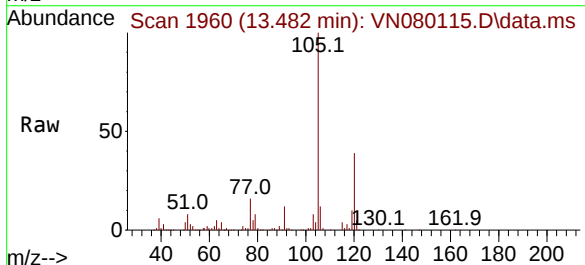
Instrument :
 MSVOA_N
 ClientSampleId :
 1116

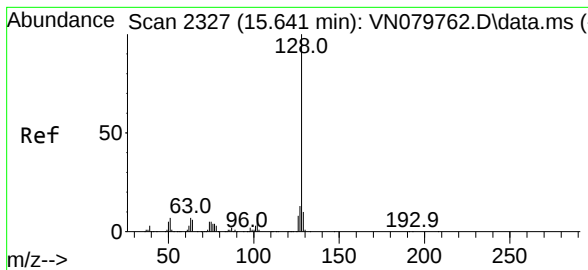
Tgt Ion:105 Resp: 77413
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.019 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080115.D
 Acq: 15 Nov 2023 17:05

Tgt Ion:105 Resp: 254077
 Ion Ratio Lower Upper
 105 100
 120 35.3 22.0 66.0





#95
Naphthalene
Concen: 364.797 ug/l
RT: 15.641 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN080115.D
Acq: 15 Nov 2023 17:05

Instrument :
MSVOA_N
ClientSampleId :
1116

Tgt Ion:128 Resp: 3646790
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.0 8.7 13.1

