

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080407.D
 Acq On : 08 Dec 2023 15:34
 Operator : JC\MD
 Sample : 05658-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 60118

Quant Time: Dec 08 22:40:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	155797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164418	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134272	52.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.400%	
35) Dibromofluoromethane	8.171	113	107467	52.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.440%	
50) Toluene-d8	10.571	98	376302	50.724	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	12.847	95	173091	61.771	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.540%#	

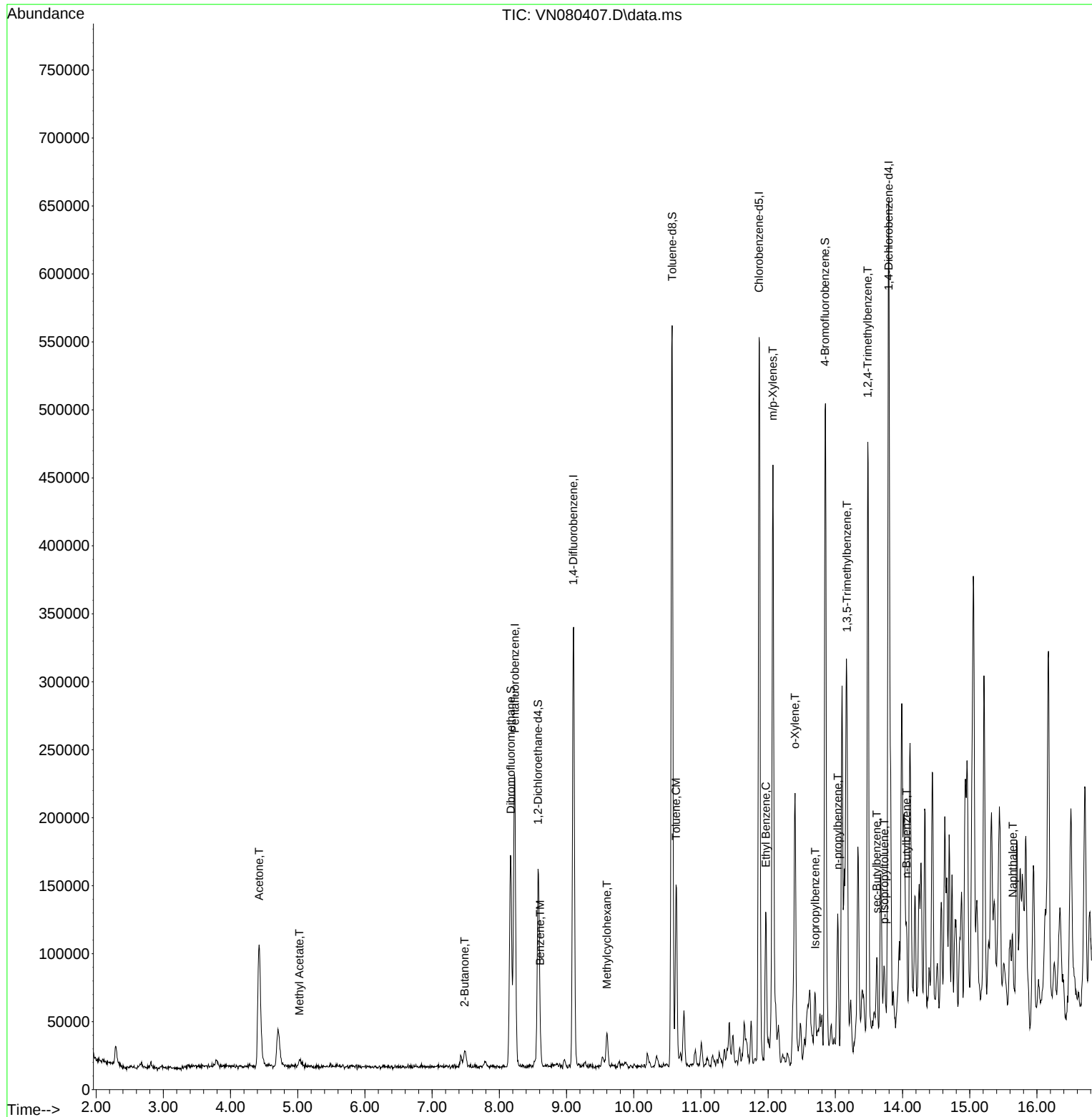
Target Compounds					Qvalue
16) Acetone	4.424	43	170024	196.781	ug/l 98
18) Methyl Acetate	5.024	43	9934	3.578	ug/l 93
25) 2-Butanone	7.483	43	20149	19.628	ug/l # 83
39) Methylcyclohexane	9.600	83	9078	3.160	ug/l # 78
40) Benzene	8.606	78	8910	1.052	ug/l 97
52) Toluene	10.630	92	57451	10.841	ug/l 98
67) Ethyl Benzene	11.965	91	78183	6.128	ug/l 98
68) m/p-Xylenes	12.071	106	93323	20.062	ug/l 91
69) o-Xylene	12.400	106	47667	10.873	ug/l 84
73) Isopropylbenzene	12.700	105	22814	1.786	ug/l 99
78) n-propylbenzene	13.035	91	64673	4.527	ug/l 99
80) 1,3,5-Trimethylbenzene	13.171	105	69927	6.287	ug/l 98
84) 1,2,4-Trimethylbenzene	13.482	105	258977	23.648	ug/l 99
85) sec-Butylbenzene	13.618	105	30735	2.724	ug/l 84
86) p-Isopropyltoluene	13.729	119	20485	2.032	ug/l 97
89) n-Butylbenzene	14.059	91	37874	4.490	ug/l # 78
95) Naphthalene	15.641	128	31881	3.404	ug/l # 88

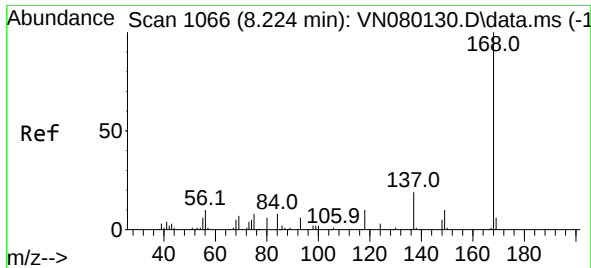
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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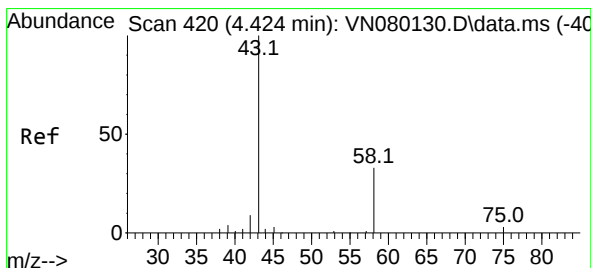
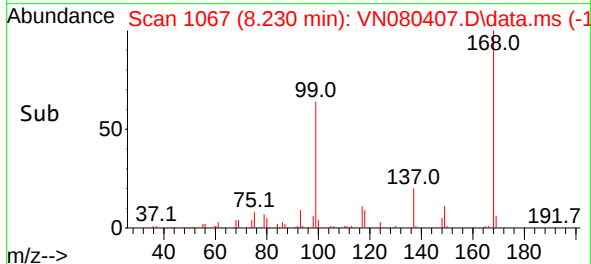
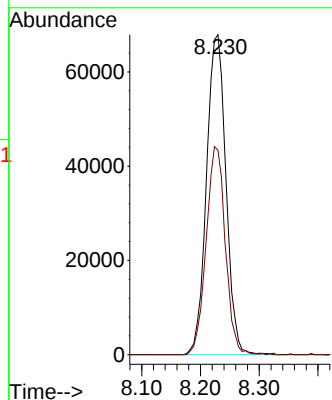
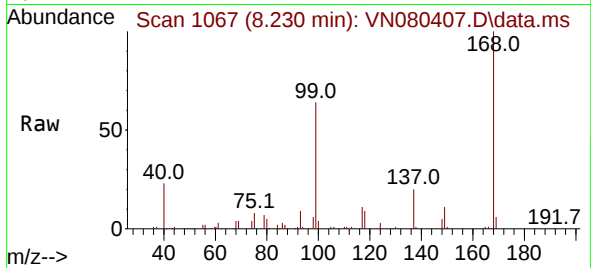




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

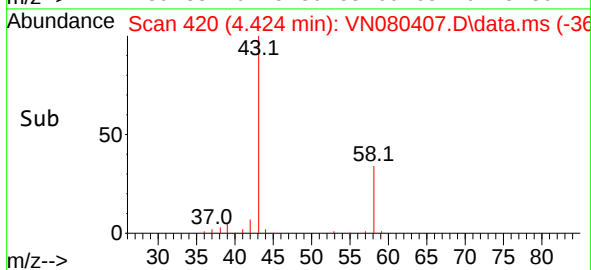
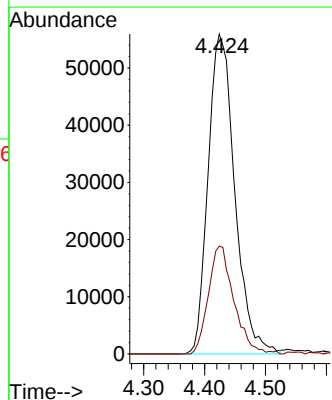
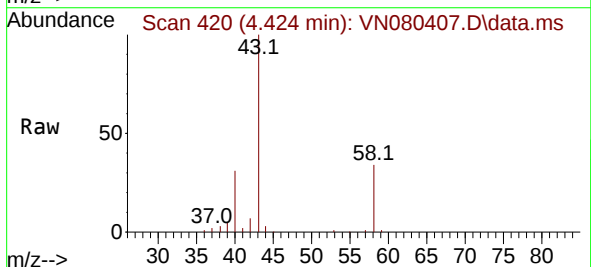
Instrument :
MSVOA_N
ClientSampleId :
60118

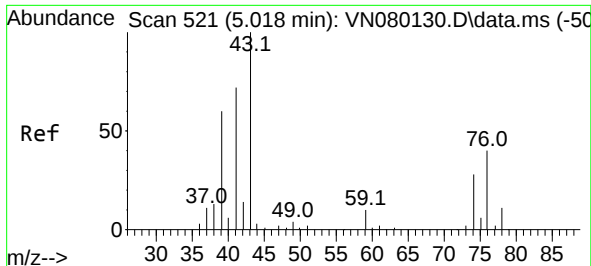
Tgt Ion:168 Resp: 155797
Ion Ratio Lower Upper
168 100
99 63.9 53.0 79.6



#16
Acetone
Concen: 196.781 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 43 Resp: 170024
Ion Ratio Lower Upper
43 100
58 33.7 28.0 42.0

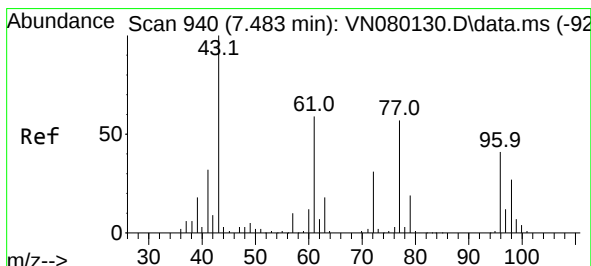
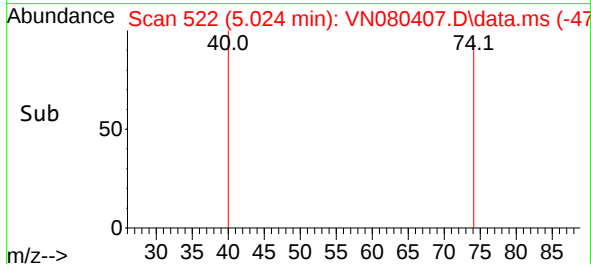
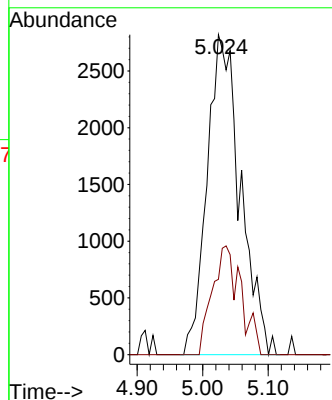
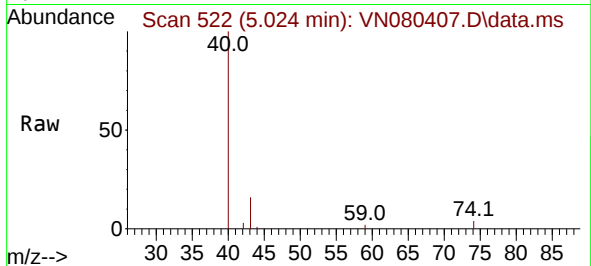




#18
Methyl Acetate
Concen: 3.578 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

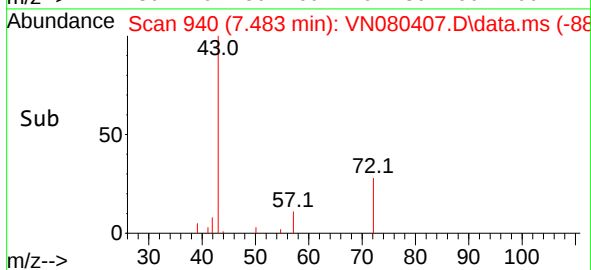
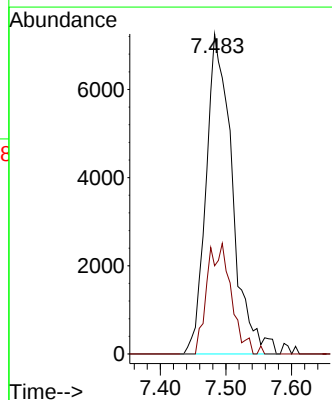
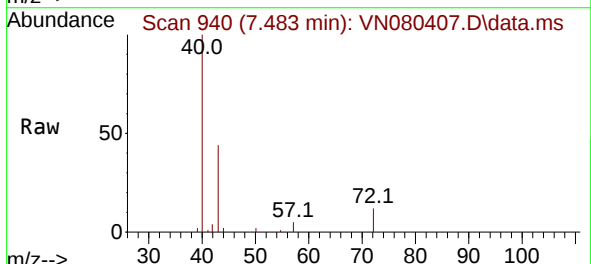
Instrument :
MSVOA_N
ClientSampleId :
60118

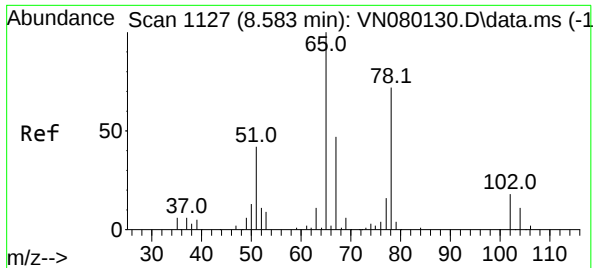
Tgt Ion: 43 Resp: 9934
Ion Ratio Lower Upper
43 100
74 29.1 26.2 39.4



#25
2-Butanone
Concen: 19.628 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 43 Resp: 20149
Ion Ratio Lower Upper
43 100
72 27.6 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 52.196 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080407.D

Acq: 08 Dec 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

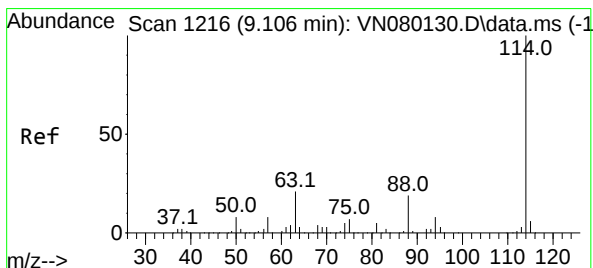
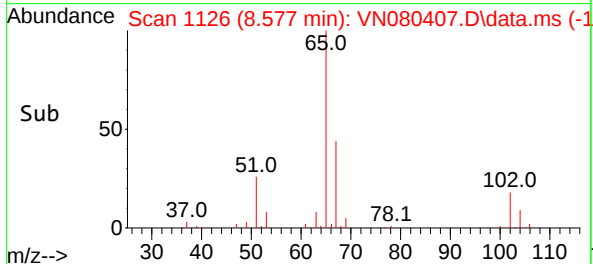
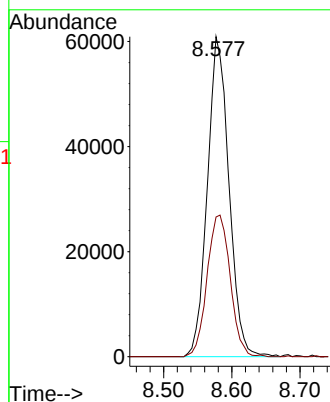
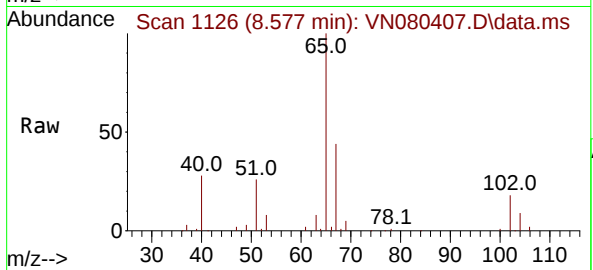
60118

Tgt Ion: 65 Resp: 134272

Ion Ratio Lower Upper

65 100

67 47.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080407.D

Acq: 08 Dec 2023 15:34

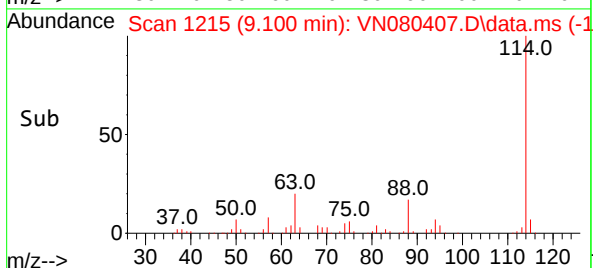
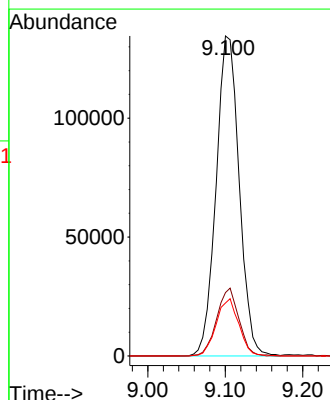
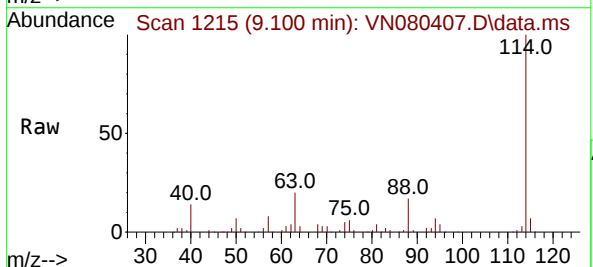
Tgt Ion: 114 Resp: 278908

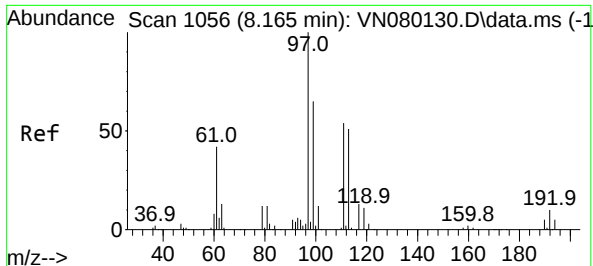
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 16.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.220 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080407.D

Acq: 08 Dec 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

60118

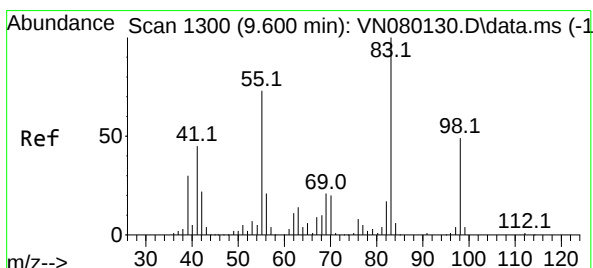
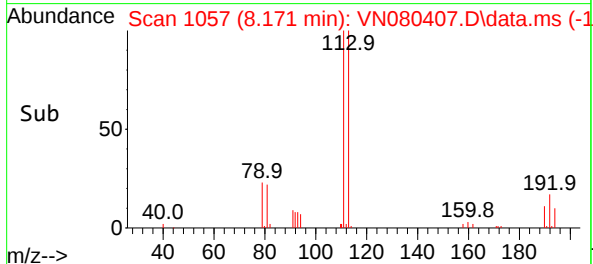
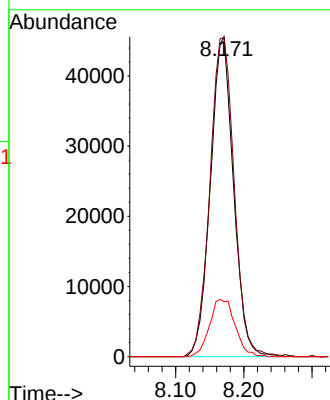
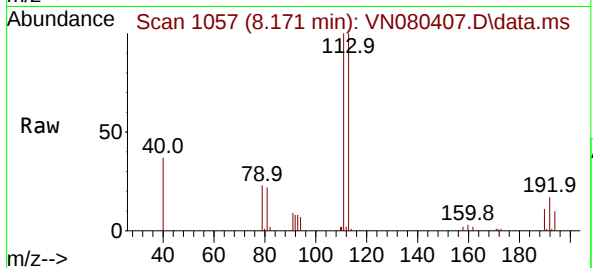
Tgt Ion:113 Resp: 107467

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

192 19.8 12.7 19.1#



#39

Methylcyclohexane

Concen: 3.160 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN080407.D

Acq: 08 Dec 2023 15:34

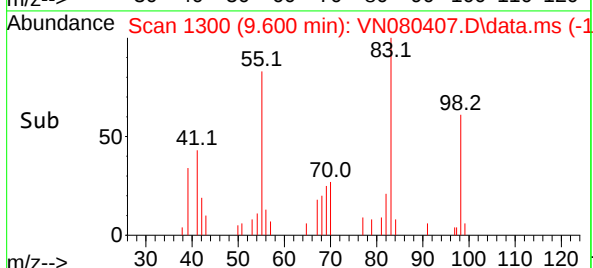
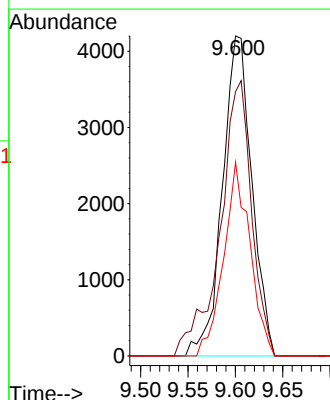
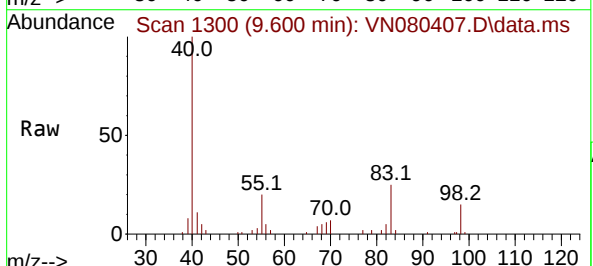
Tgt Ion: 83 Resp: 9078

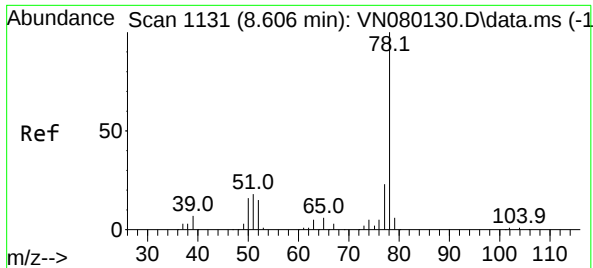
Ion Ratio Lower Upper

83 100

55 82.6 49.1 73.7#

98 60.5 40.6 61.0

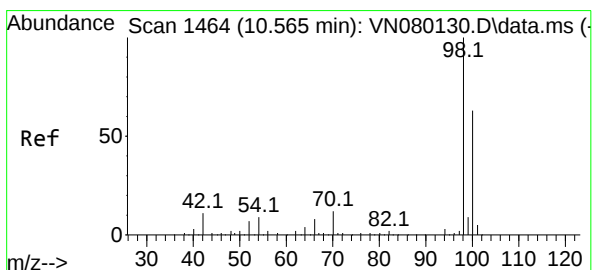
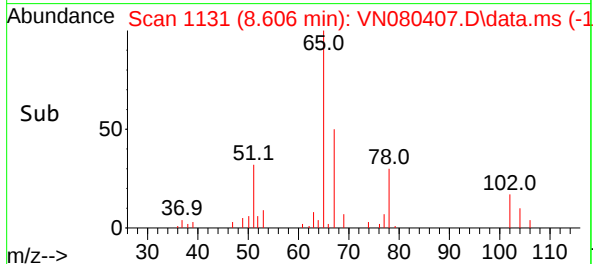
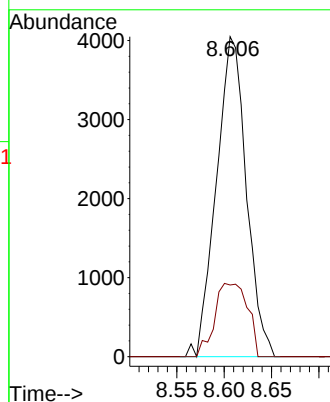
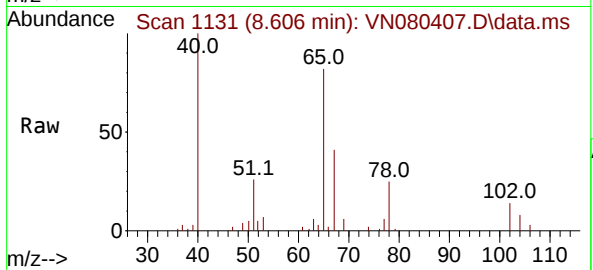




#40
Benzene
Concen: 1.052 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

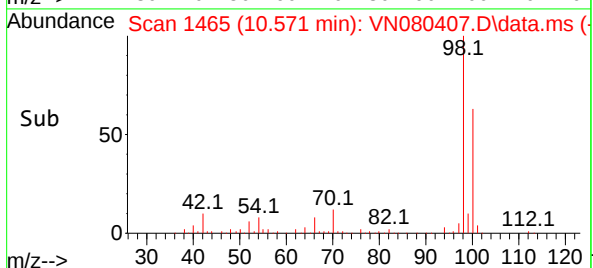
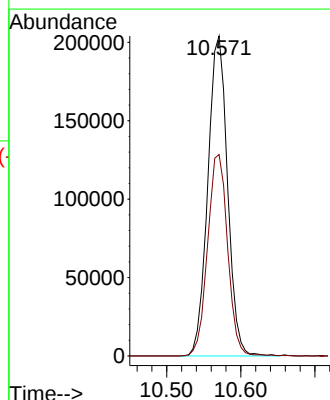
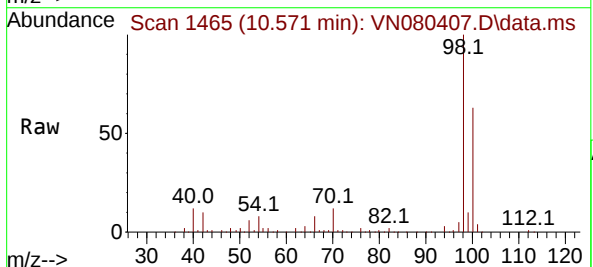
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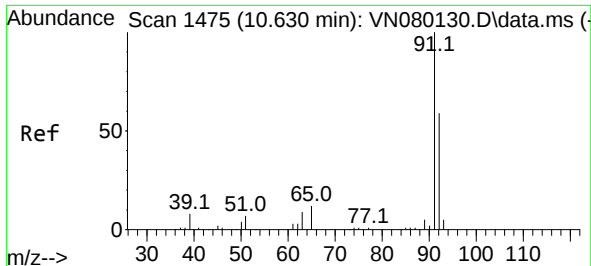
Tgt Ion: 78 Resp: 8910
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.6



#50
Toluene-d8
Concen: 50.724 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 98 Resp: 376302
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

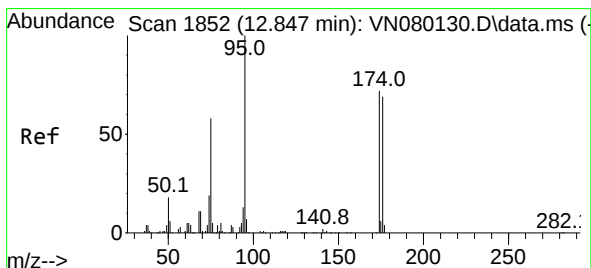
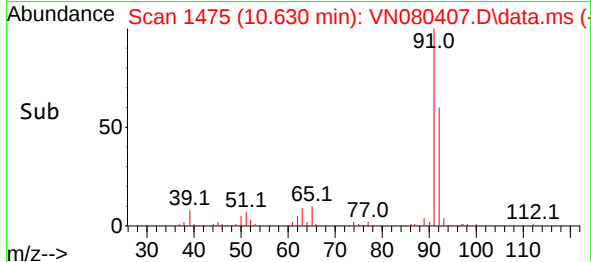
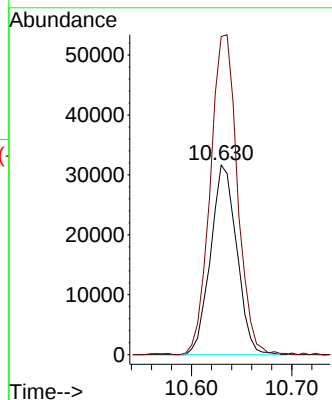
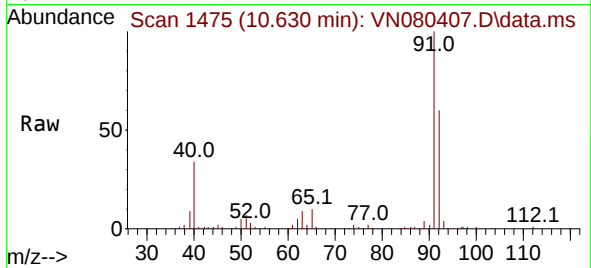




#52
Toluene
Concen: 10.841 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

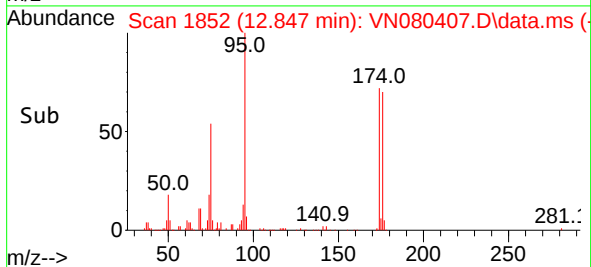
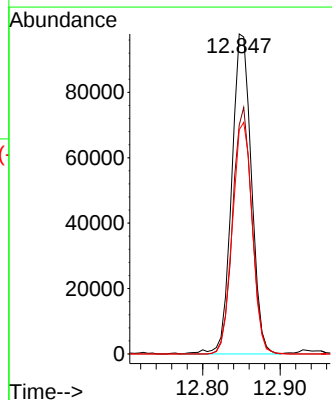
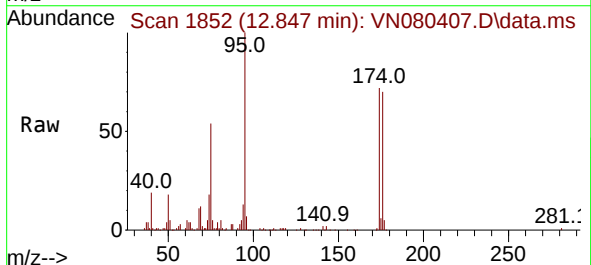
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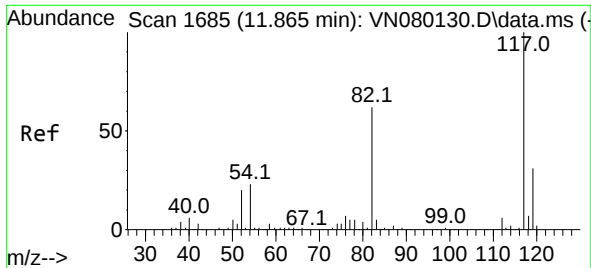
Tgt Ion: 92 Resp: 57451
Ion Ratio Lower Upper
92 100
91 175.1 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 61.771 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 95 Resp: 173091
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 72.9 0.0 135.8

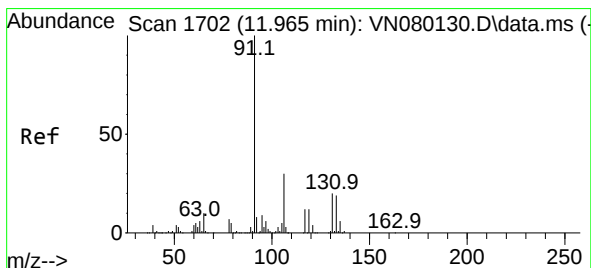
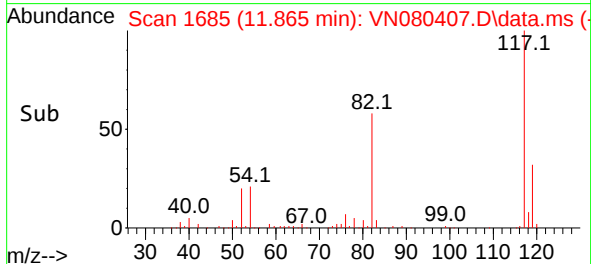
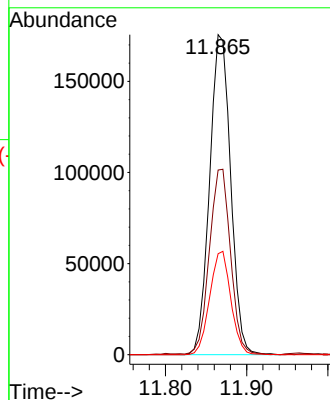
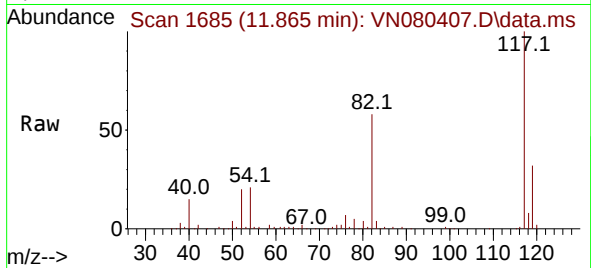




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

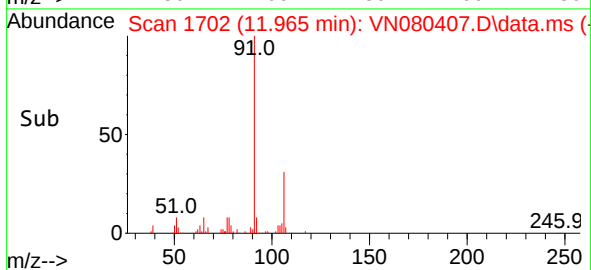
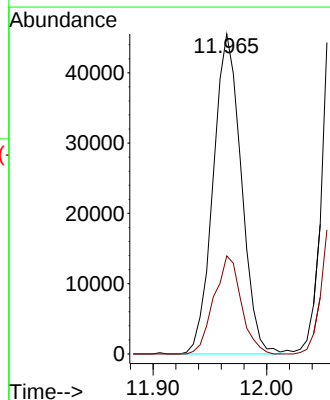
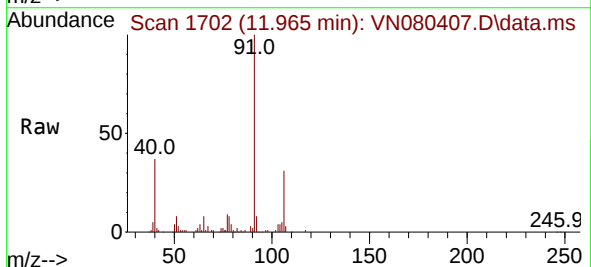
Instrument :
MSVOA_N
ClientSampleId :
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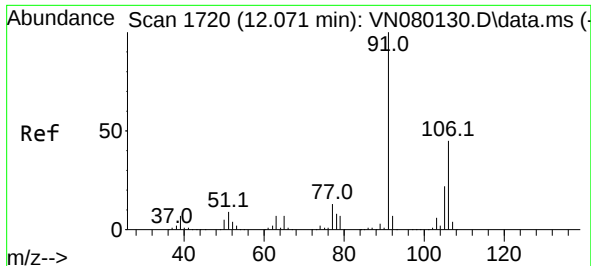
Tgt Ion:117 Resp: 316414
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 31.5 25.6 38.4



#67
Ethyl Benzene
Concen: 6.128 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 91 Resp: 78183
Ion Ratio Lower Upper
91 100
106 30.6 25.6 38.4

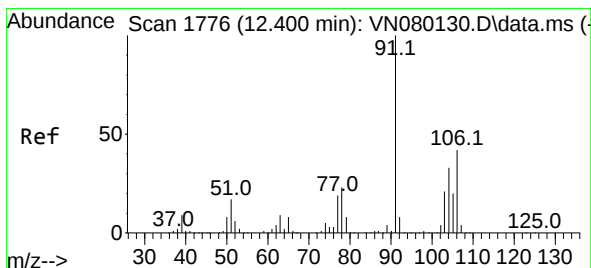
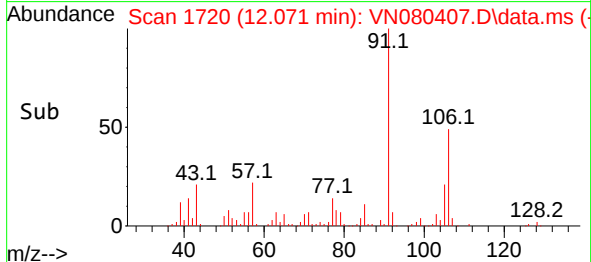
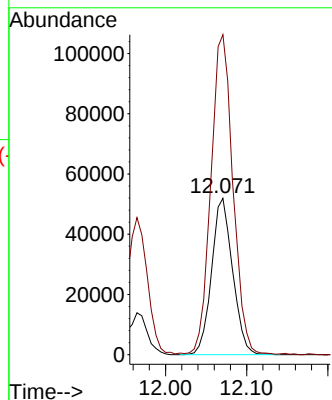
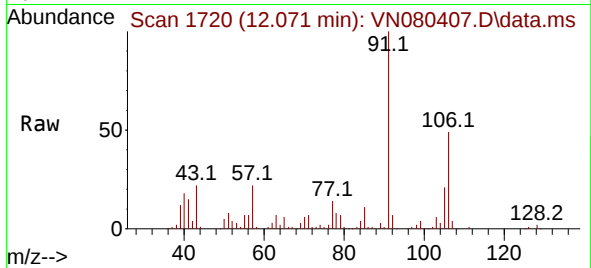




#68
m/p-Xylenes
Concen: 20.062 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

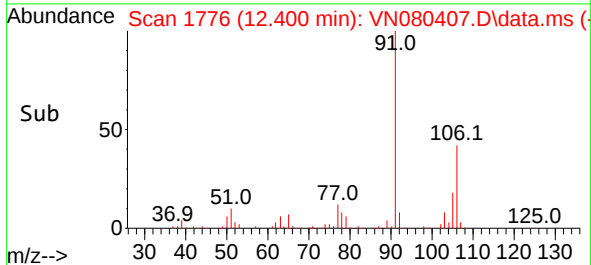
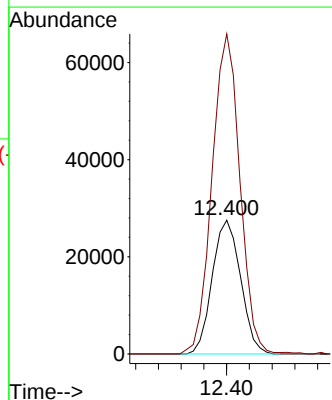
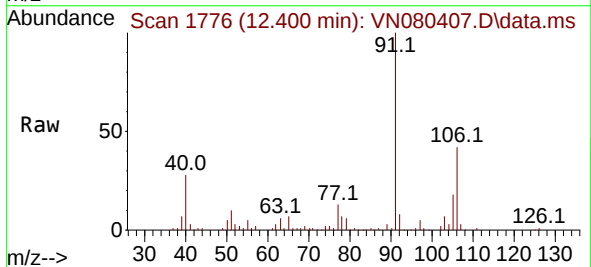
Instrument :
MSVOA_N
ClientSampleId :
60118

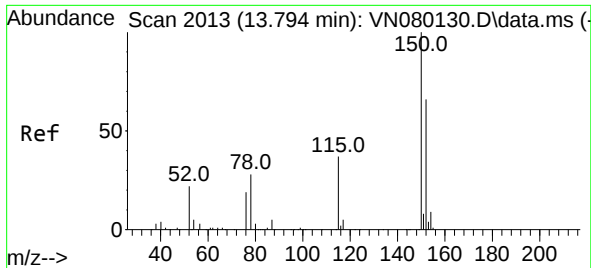
Tgt Ion:106 Resp: 93323
Ion Ratio Lower Upper
106 100
91 213.8 159.6 239.4



#69
o-Xylene
Concen: 10.873 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion:106 Resp: 47667
Ion Ratio Lower Upper
106 100
91 235.2 105.2 315.5

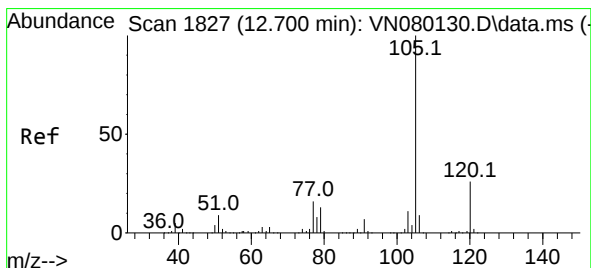
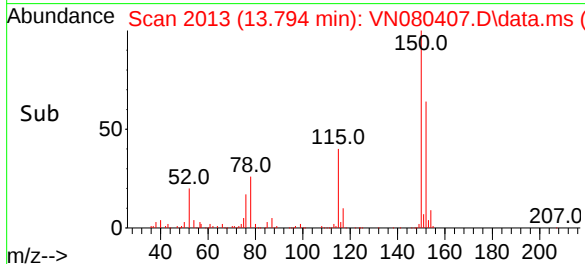
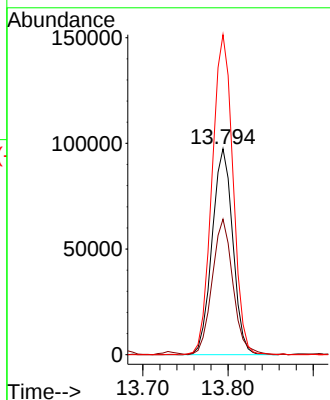
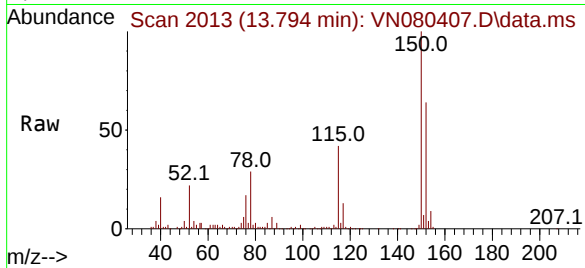




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

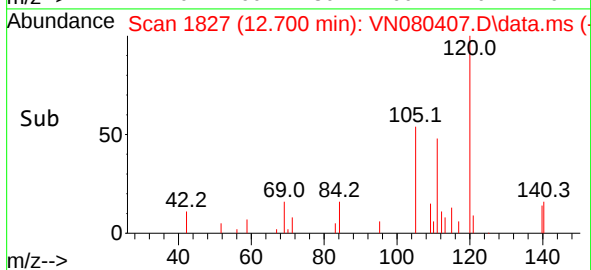
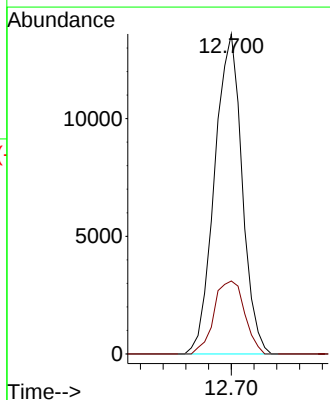
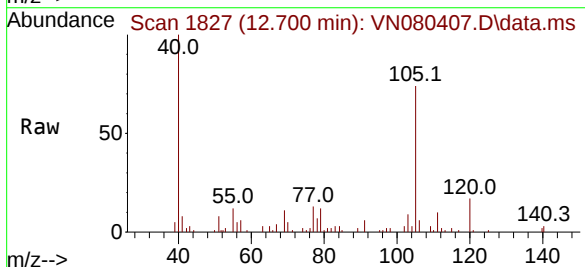
Instrument :
MSVOA_N
ClientSampleId :
60118

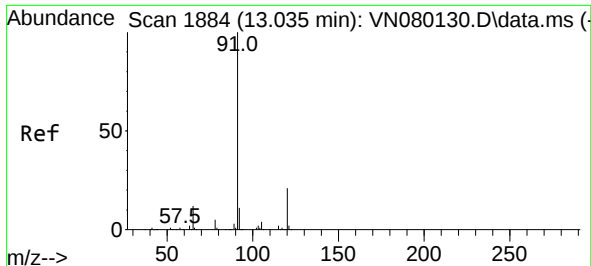
Tgt Ion:152 Resp: 164418
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 156.8 0.0 355.8



#73
Isopropylbenzene
Concen: 1.786 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion:105 Resp: 22814
Ion Ratio Lower Upper
105 100
120 25.3 13.1 39.1

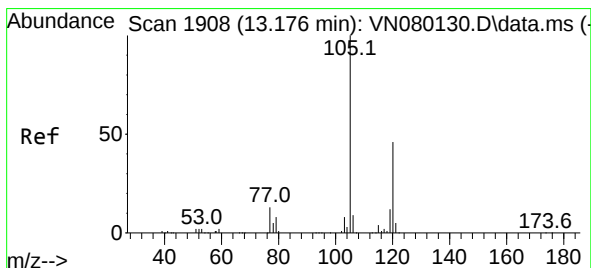
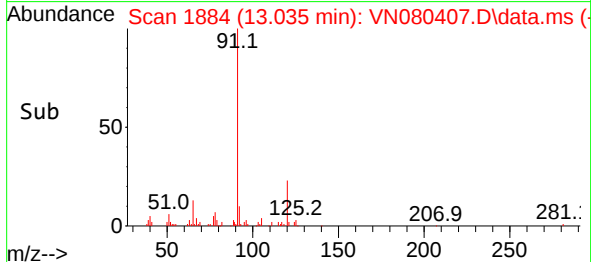
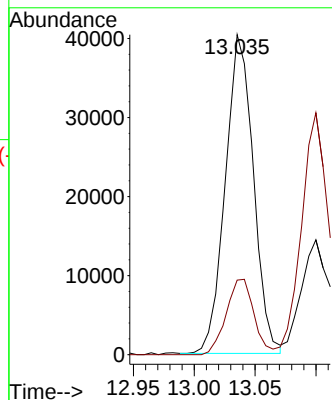
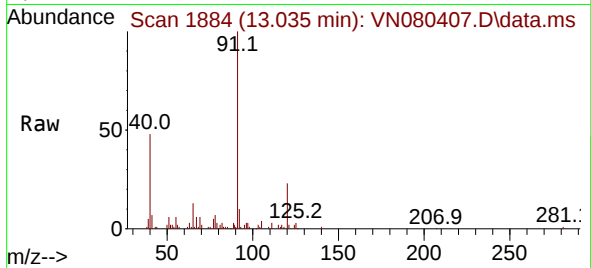




#78
n-propylbenzene
Concen: 4.527 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

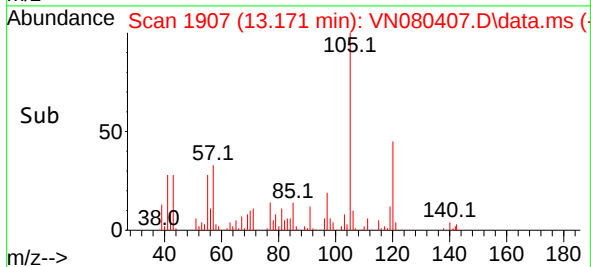
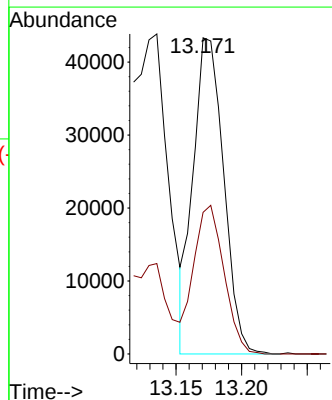
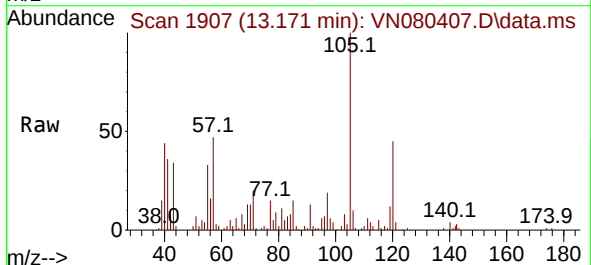
Instrument :
MSVOA_N
ClientSampleId :
60118

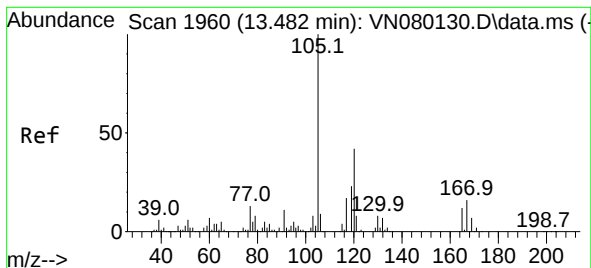
Tgt Ion: 91 Resp: 64673
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.287 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 105 Resp: 69927
Ion Ratio Lower Upper
105 100
120 46.8 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 23.648 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080407.D

Acq: 08 Dec 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

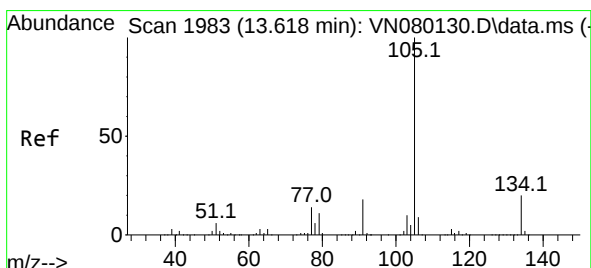
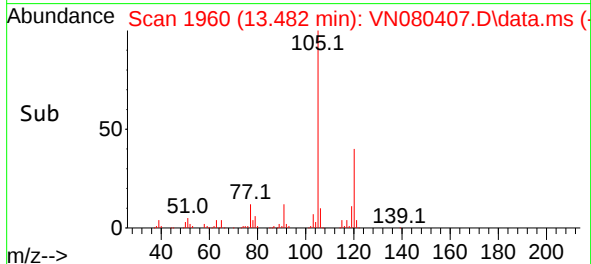
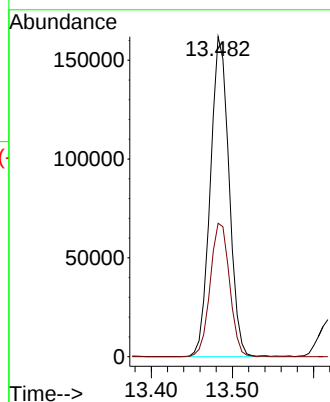
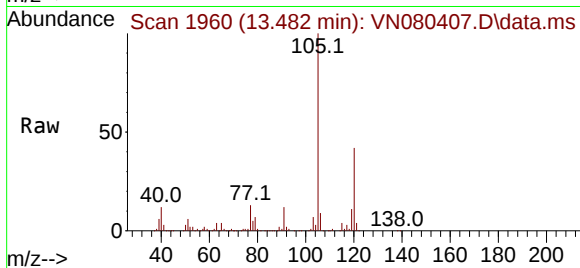
60118

Tgt Ion:105 Resp: 258977

Ion Ratio Lower Upper

105 100

120 43.2 22.0 66.0



#85

sec-Butylbenzene

Concen: 2.724 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080407.D

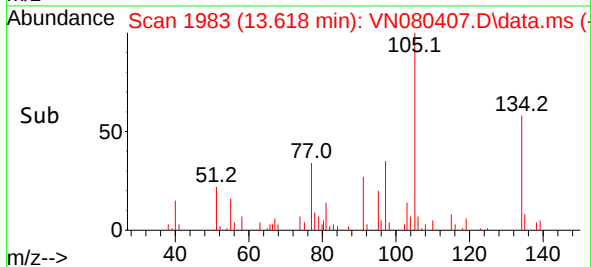
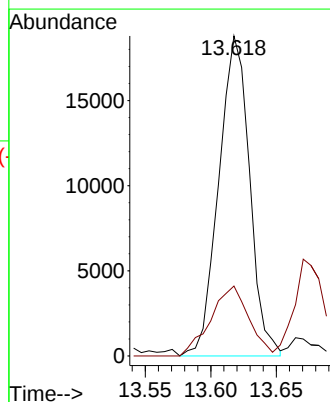
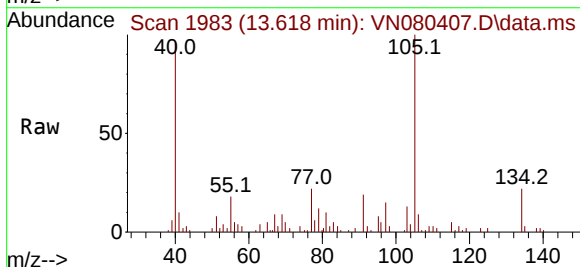
Acq: 08 Dec 2023 15:34

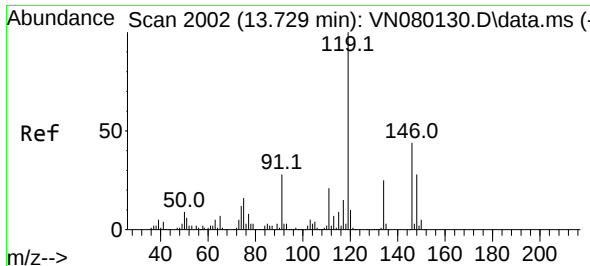
Tgt Ion:105 Resp: 30735

Ion Ratio Lower Upper

105 100

134 27.0 9.8 29.3

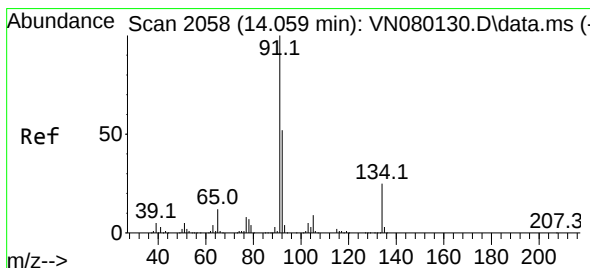
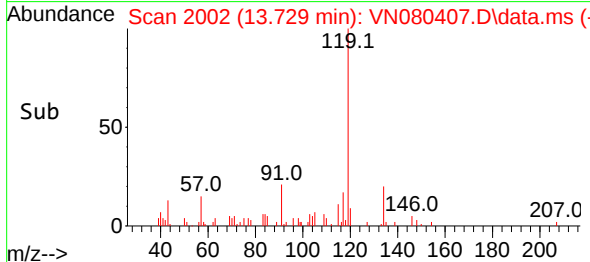
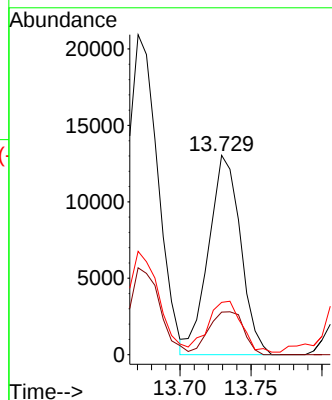
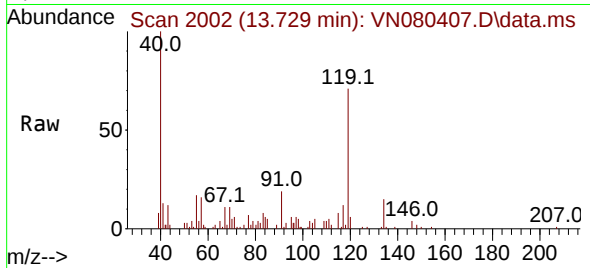




#86
p-Isopropyltoluene
Concen: 2.032 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

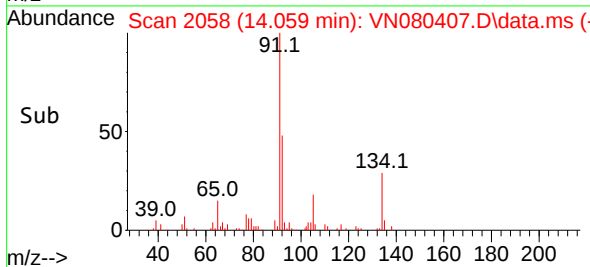
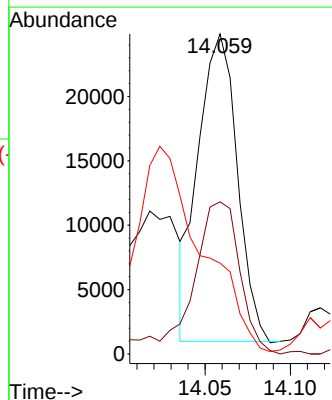
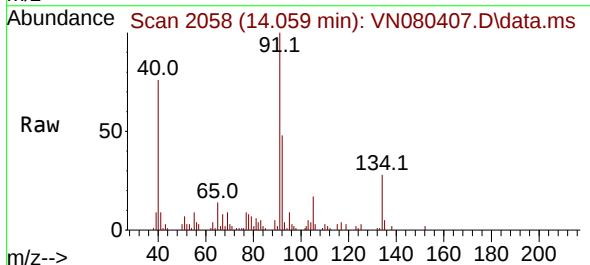
Instrument :
MSVOA_N
ClientSampleId :
60118

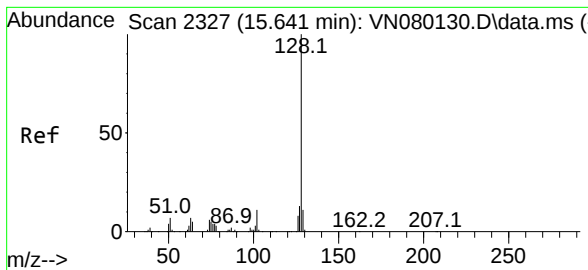
Tgt Ion:119 Resp: 20485
Ion Ratio Lower Upper
119 100
134 23.4 12.6 37.8
91 26.2 12.4 37.2



#89
n-Butylbenzene
Concen: 4.490 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080407.D
Acq: 08 Dec 2023 15:34

Tgt Ion: 91 Resp: 37874
Ion Ratio Lower Upper
91 100
92 58.7 26.4 79.0
134 0.0 12.6 37.6#





#95
 Naphthalene
 Concen: 3.404 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080407.D
 Acq: 08 Dec 2023 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 60118

Tgt Ion:128 Resp: 31881
 Ion Ratio Lower Upper
 128 100
 127 18.1 10.0 15.0#
 129 6.9 8.7 13.1#

