

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081530.D
 Acq On : 21 Mar 2024 19:23
 Operator : JC\MD
 Sample : P1798-13 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-13

Quant Time: Mar 22 05:12:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	433571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	768212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	723289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	305161	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	274528	49.651	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	8.165	113	238678	49.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.460%
50) Toluene-d8	10.571	98	930516	53.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.180%
62) 4-Bromofluorobenzene	12.847	95	310221	50.235	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.480%

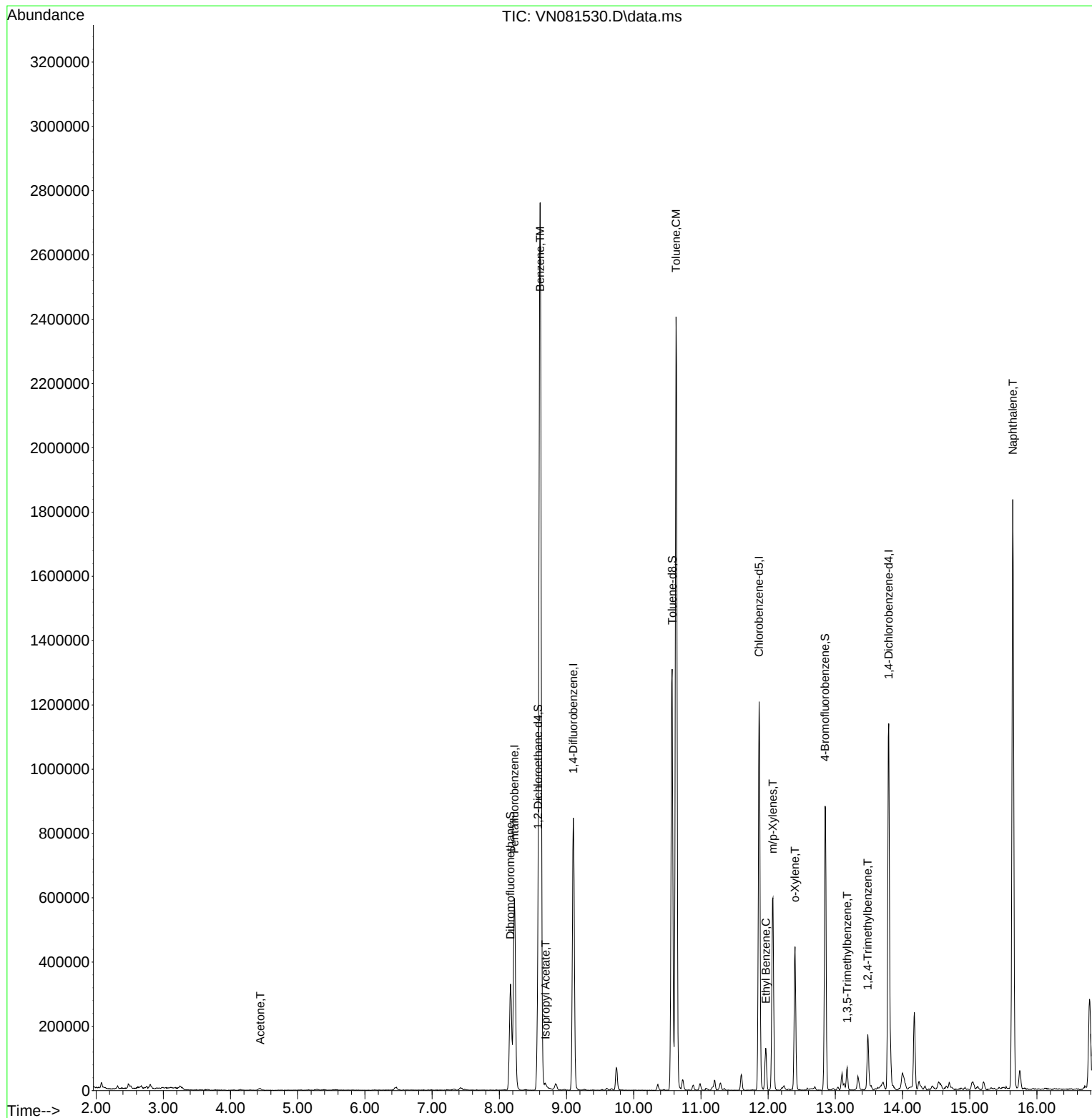
Target Compounds					Qvalue	
16) Acetone	4.442	43	11521	6.447	ug/l	# 86
40) Benzene	8.606	78	2911114	122.043	ug/l	96
43) Isopropyl Acetate	8.688	43	15868	1.370	ug/l	# 89
52) Toluene	10.630	92	1069876	70.568	ug/l	100
67) Ethyl Benzene	11.965	91	93823	3.159	ug/l	96
68) m/p-Xylenes	12.071	106	194635	17.480	ug/l	94
69) o-Xylene	12.400	106	123296	11.279	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	35882	1.670	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	101433	4.697	ug/l	98
95) Naphthalene	15.641	128	1694522	79.593	ug/l	99

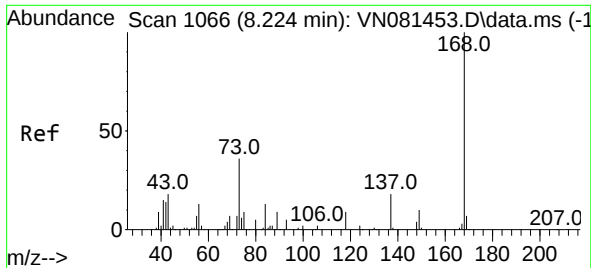
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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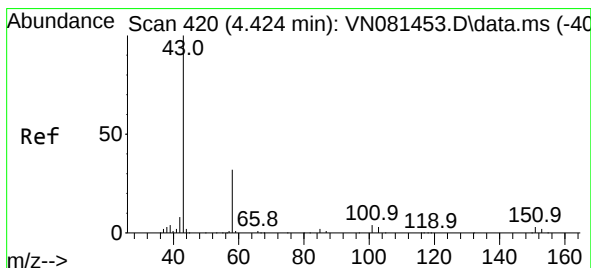
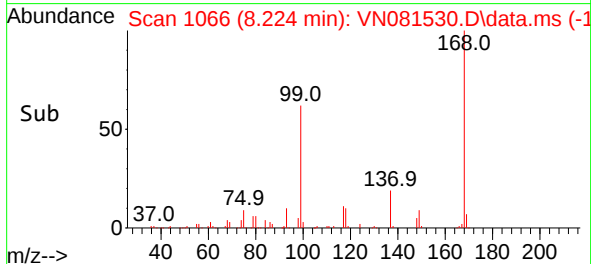
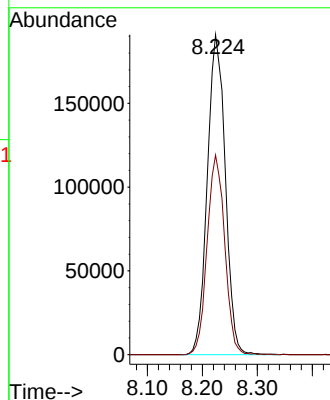
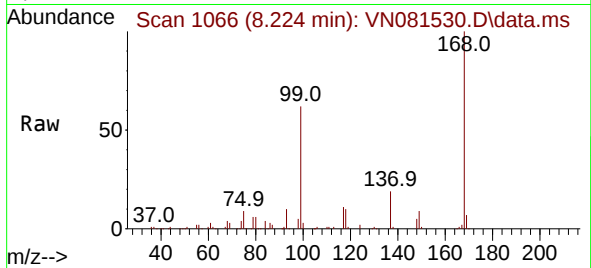




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

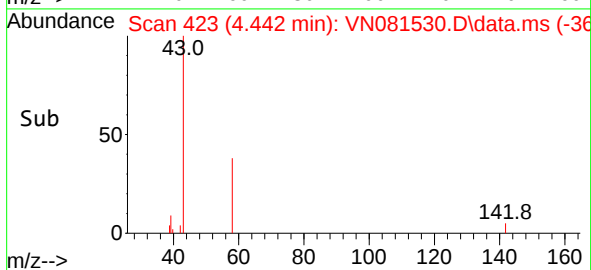
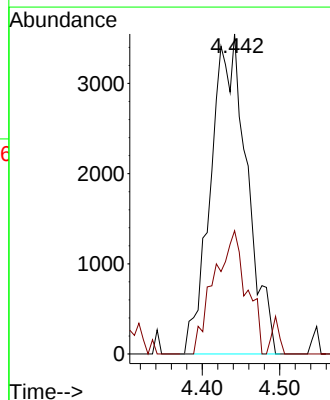
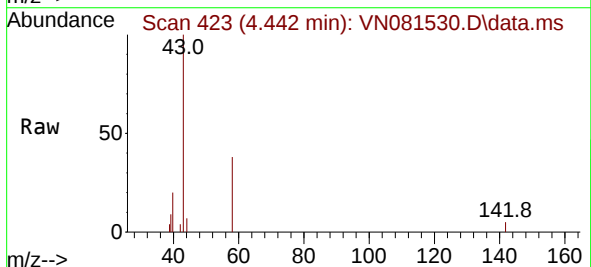
Instrument :
MSVOA_N
ClientSampleId :
S-13

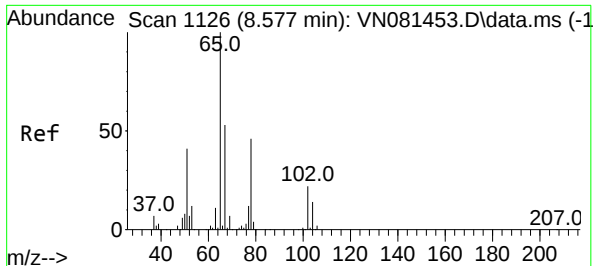
Tgt Ion:168 Resp: 433571
Ion Ratio Lower Upper
168 100
99 62.4 59.9 89.9



#16
Acetone
Concen: 6.447 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

Tgt Ion: 43 Resp: 11521
Ion Ratio Lower Upper
43 100
58 38.5 24.8 37.2#





#33

1,2-Dichloroethane-d4

Concen: 49.651 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Instrument :

MSVOA_N

ClientSampleId :

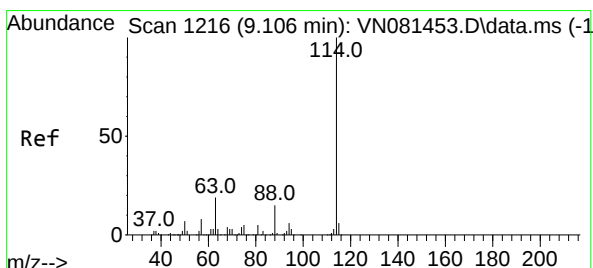
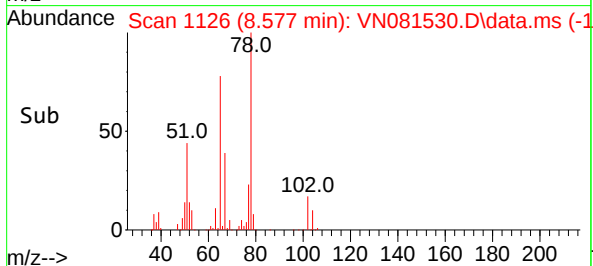
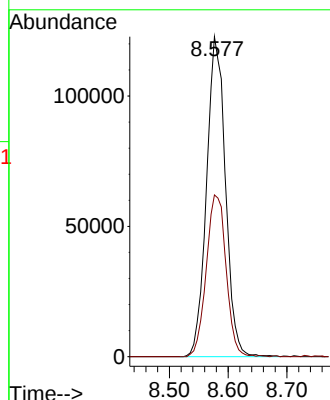
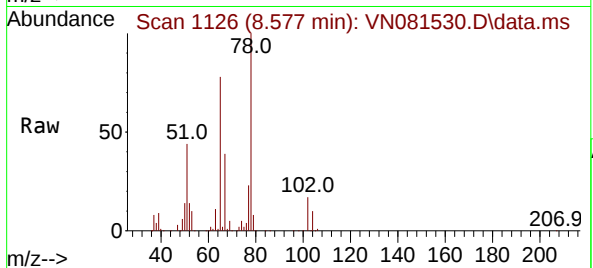
S-13

Tgt Ion: 65 Resp: 274528

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

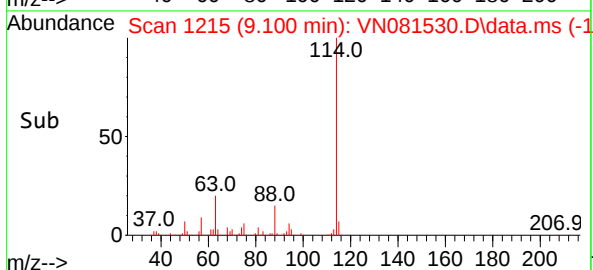
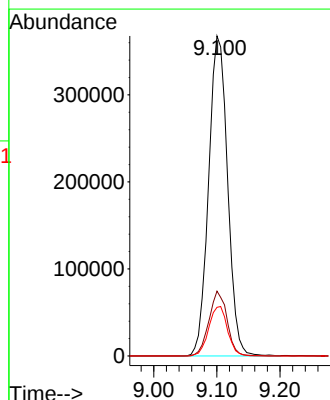
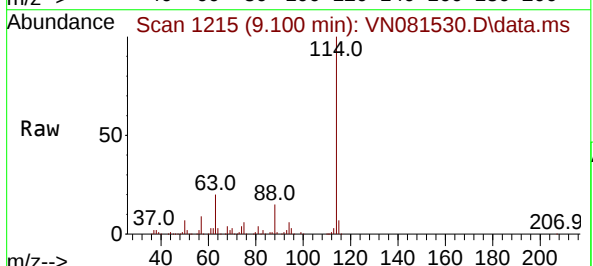
Tgt Ion: 114 Resp: 768212

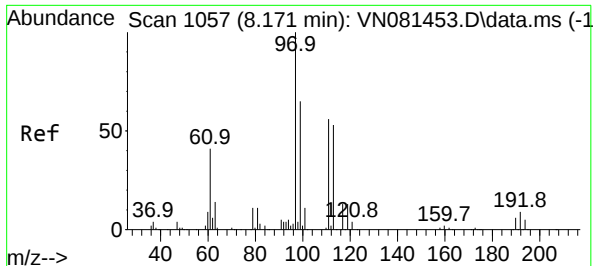
Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 15.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.230 ug/l

RT: 8.165 min Scan# 11056

Delta R.T. -0.006 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Instrument :

MSVOA_N

ClientSampleId :

S-13

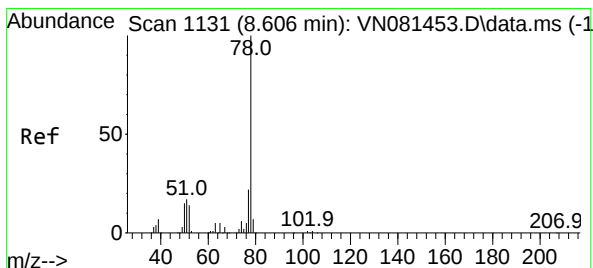
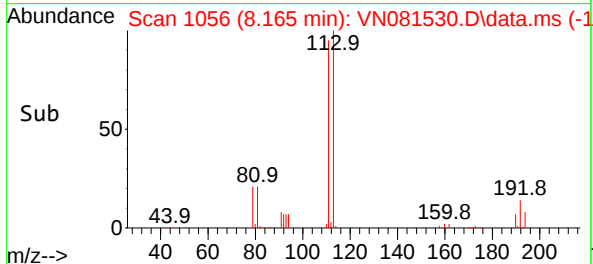
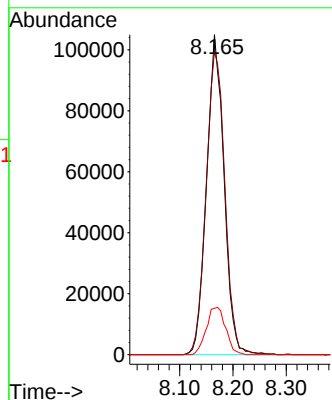
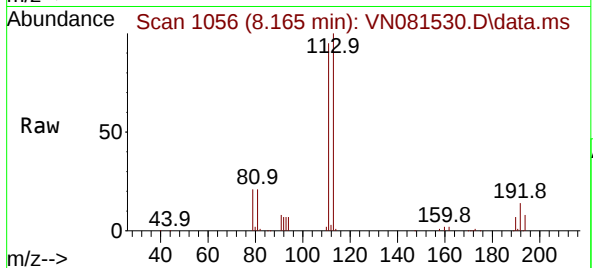
Tgt Ion:113 Resp: 238678

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 16.4 12.5 18.7



#40

Benzene

Concen: 122.043 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081530.D

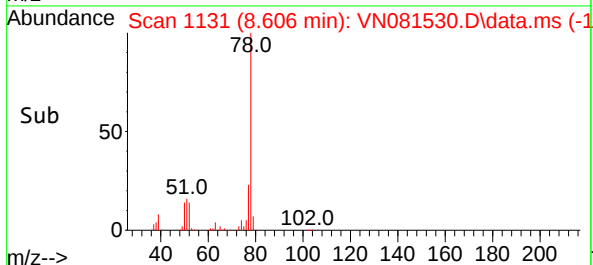
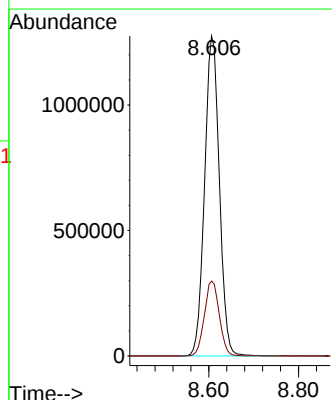
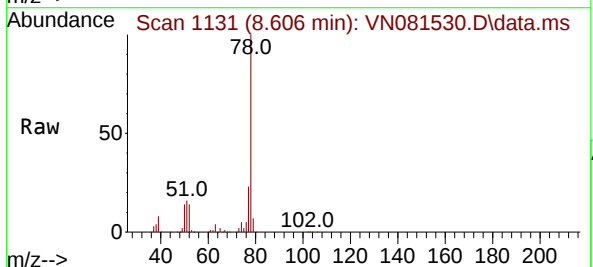
Acq: 21 Mar 2024 19:23

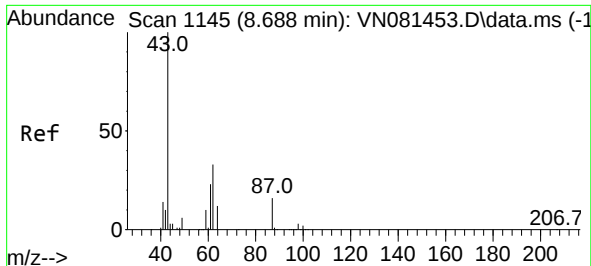
Tgt Ion: 78 Resp: 2911114

Ion Ratio Lower Upper

78 100

77 23.4 20.4 30.6

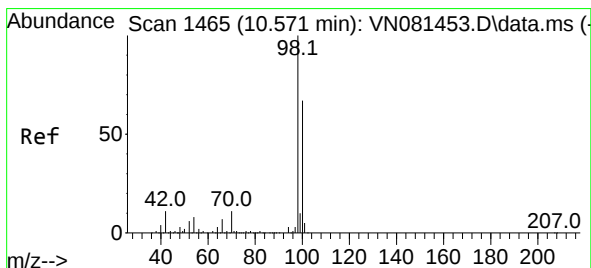
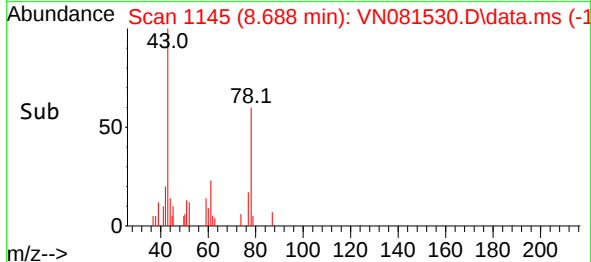
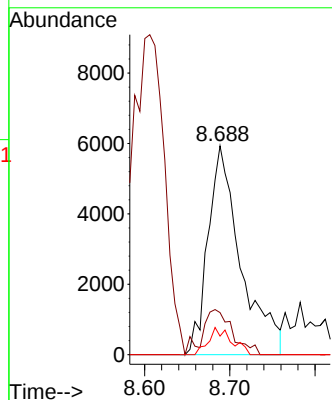
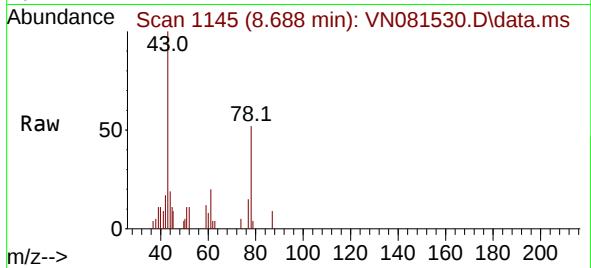




#43
Isopropyl Acetate
Concen: 1.370 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

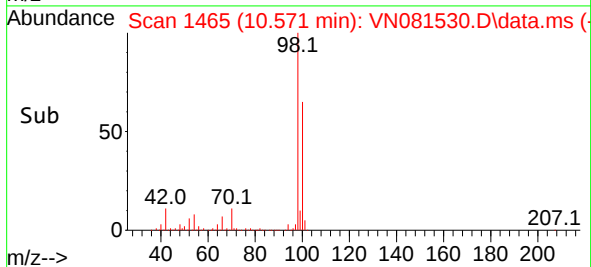
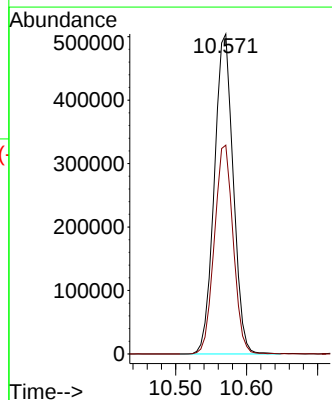
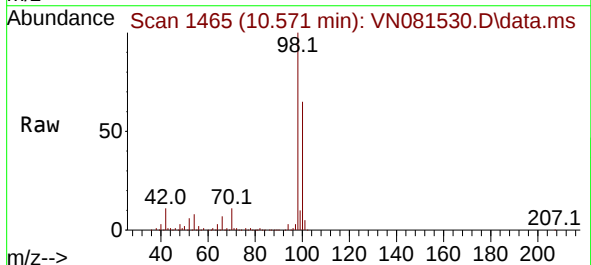
Instrument :
MSVOA_N
ClientSampleId :
S-13

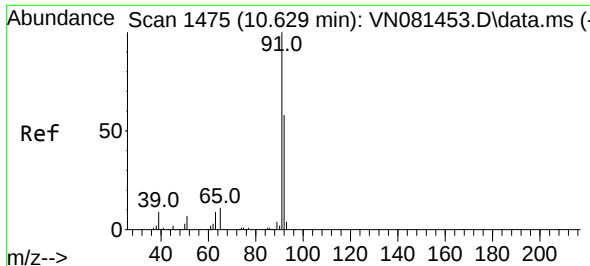
Tgt Ion: 43 Resp: 15868
Ion Ratio Lower Upper
43 100
61 18.0 19.9 29.9#
87 9.0 9.0 13.6#



#50
Toluene-d8
Concen: 53.095 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

Tgt Ion: 98 Resp: 930516
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

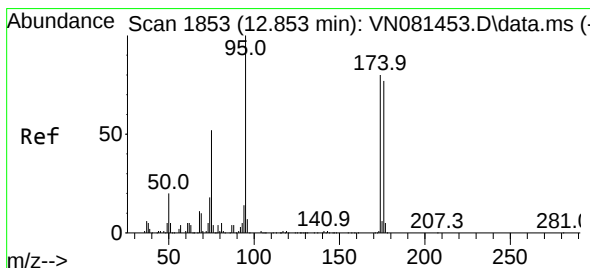
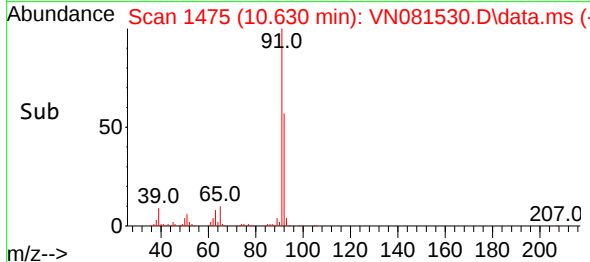
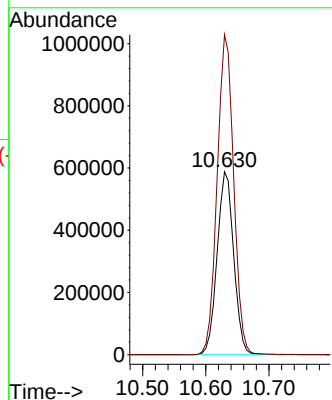
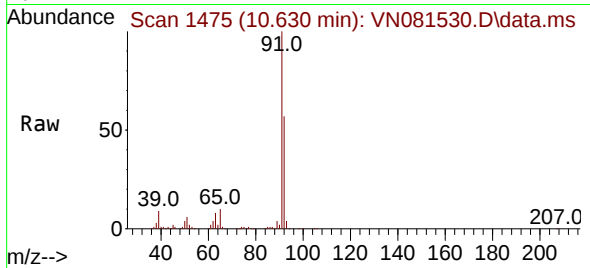




#52
Toluene
Concen: 70.568 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

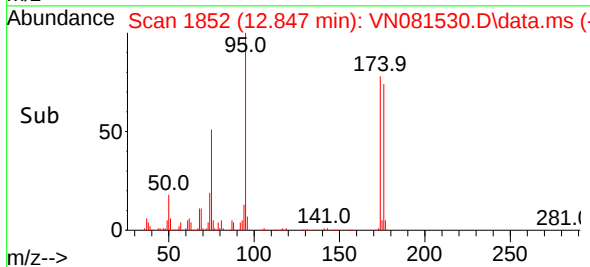
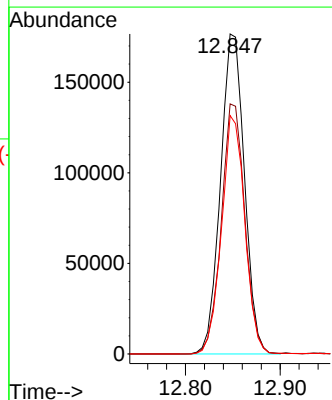
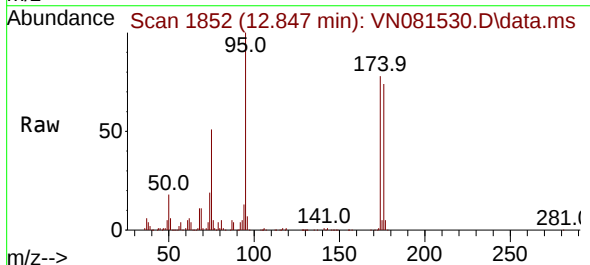
Instrument :
MSVOA_N
ClientSampleId :
S-13

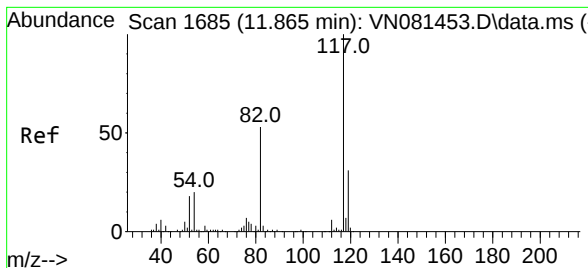
Tgt Ion: 92 Resp: 1069876
Ion Ratio Lower Upper
92 100
91 174.8 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 50.235 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

Tgt Ion: 95 Resp: 310221
Ion Ratio Lower Upper
95 100
174 76.9 0.0 120.4
176 72.5 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Instrument :

MSVOA_N

ClientSampleId :

S-13

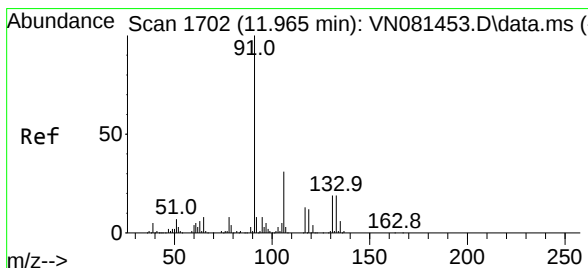
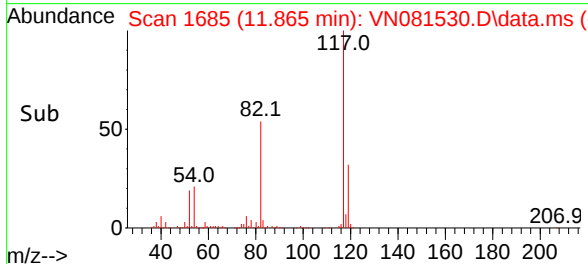
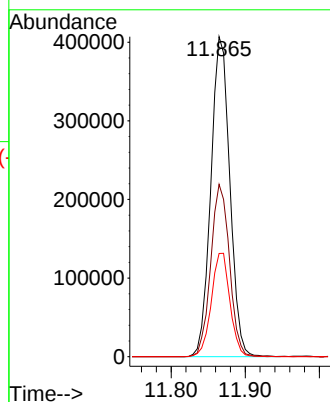
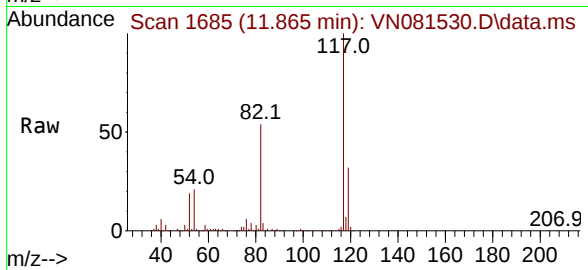
Tgt Ion:117 Resp: 723289

Ion Ratio Lower Upper

117 100

82 53.8 52.7 79.1

119 32.2 25.3 37.9



#67

Ethyl Benzene

Concen: 3.159 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN081530.D

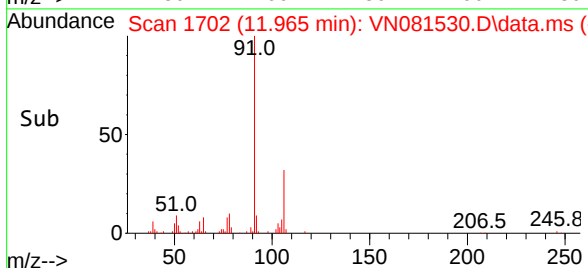
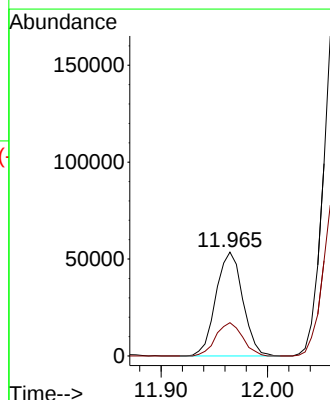
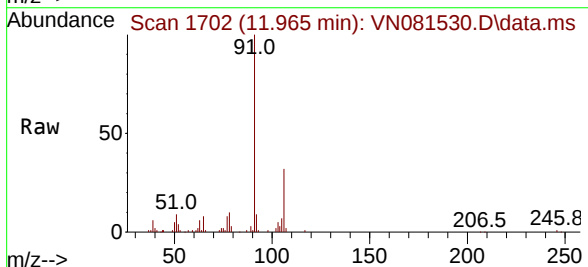
Acq: 21 Mar 2024 19:23

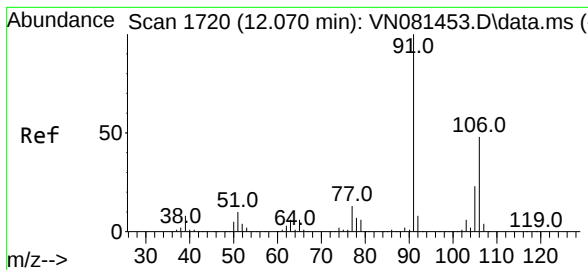
Tgt Ion: 91 Resp: 93823

Ion Ratio Lower Upper

91 100

106 32.1 23.8 35.6

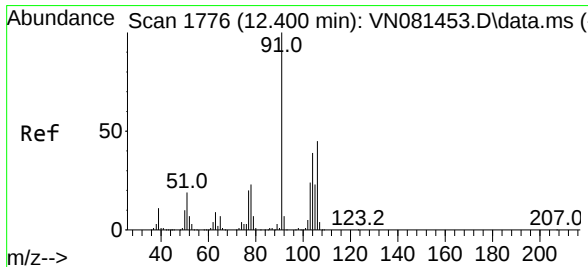
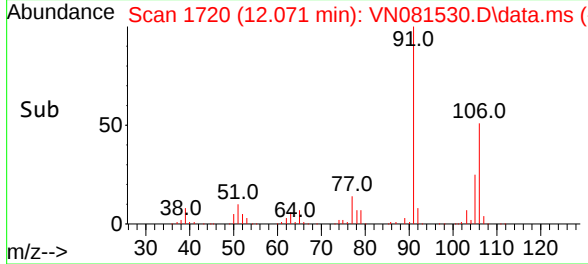
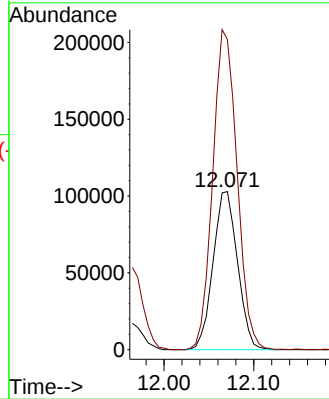
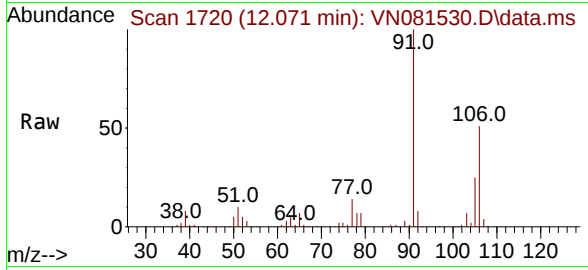




#68
m/p-Xylenes
Concen: 17.480 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

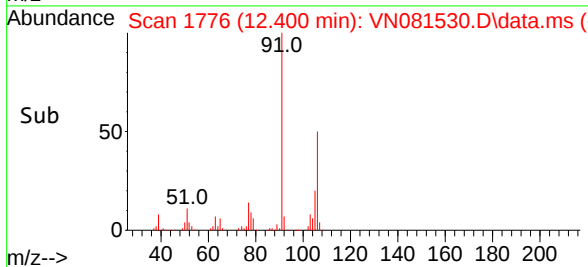
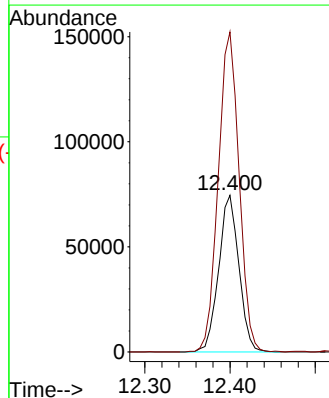
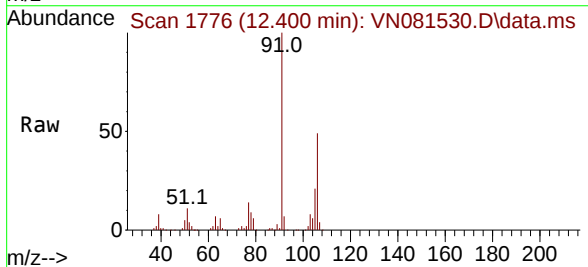
Instrument :
MSVOA_N
ClientSampleId :
S-13

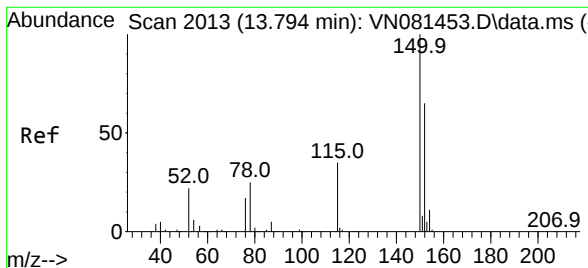
Tgt Ion:106 Resp: 194635
Ion Ratio Lower Upper
106 100
91 201.5 169.0 253.6



#69
o-Xylene
Concen: 11.279 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081530.D
Acq: 21 Mar 2024 19:23

Tgt Ion:106 Resp: 123296
Ion Ratio Lower Upper
106 100
91 210.2 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Instrument :

MSVOA_N

ClientSampleId :

S-13

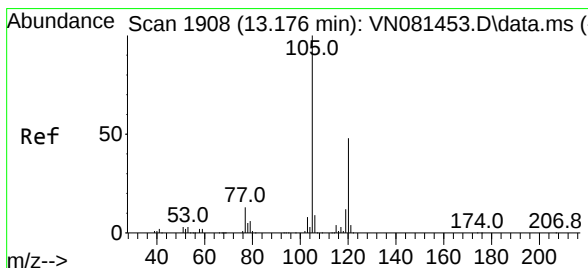
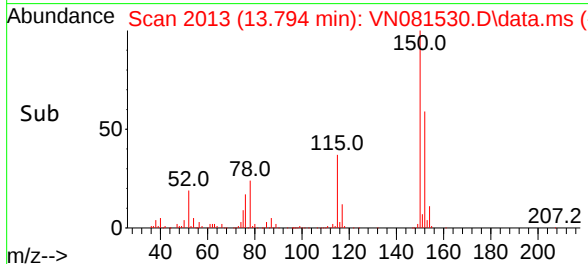
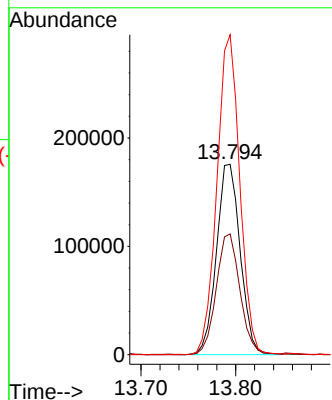
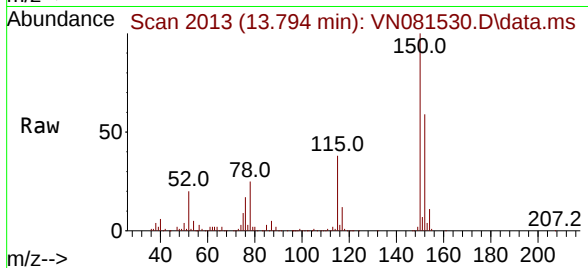
Tgt Ion:152 Resp: 305161

Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 162.2 0.0 339.8



#80

1,3,5-Trimethylbenzene

Concen: 1.670 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081530.D

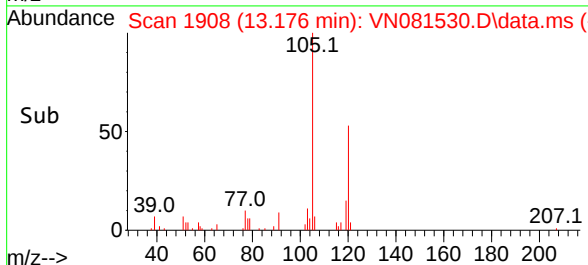
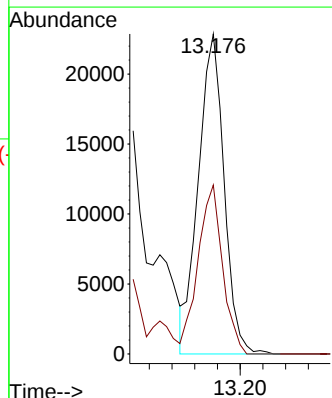
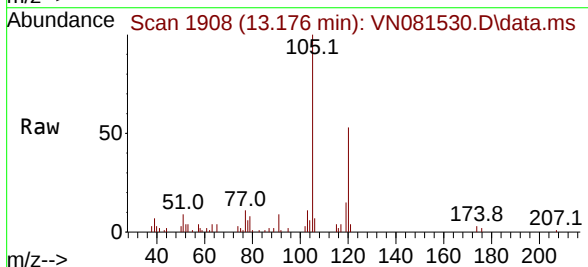
Acq: 21 Mar 2024 19:23

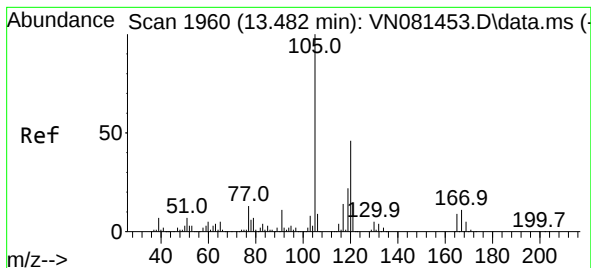
Tgt Ion:105 Resp: 35882

Ion Ratio Lower Upper

105 100

120 50.6 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 4.697 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Instrument :

MSVOA_N

ClientSampleId :

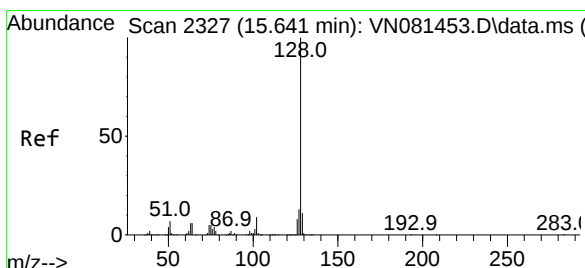
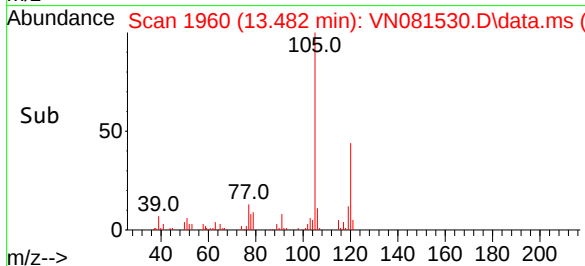
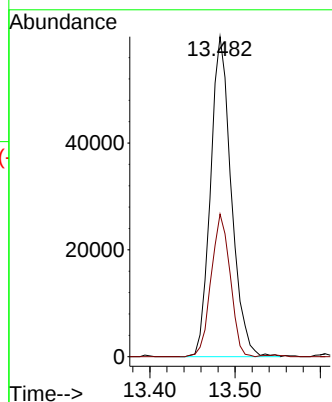
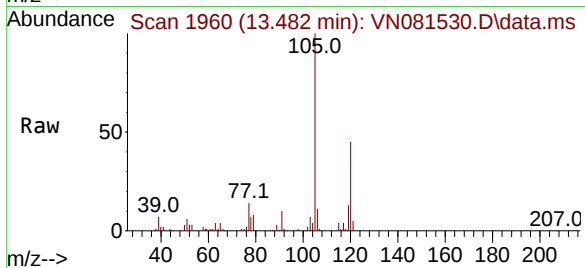
S-13

Tgt Ion:105 Resp: 101433

Ion Ratio Lower Upper

105 100

120 40.8 20.9 62.7



#95

Naphthalene

Concen: 79.593 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081530.D

Acq: 21 Mar 2024 19:23

Tgt Ion:128 Resp: 1694522

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

129 10.7 8.7 13.1

