

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082267.D
 Acq On : 22 May 2024 02:45
 Operator : JC\MD
 Sample : P2494-07 40X
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 7

Quant Time: May 22 04:38:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

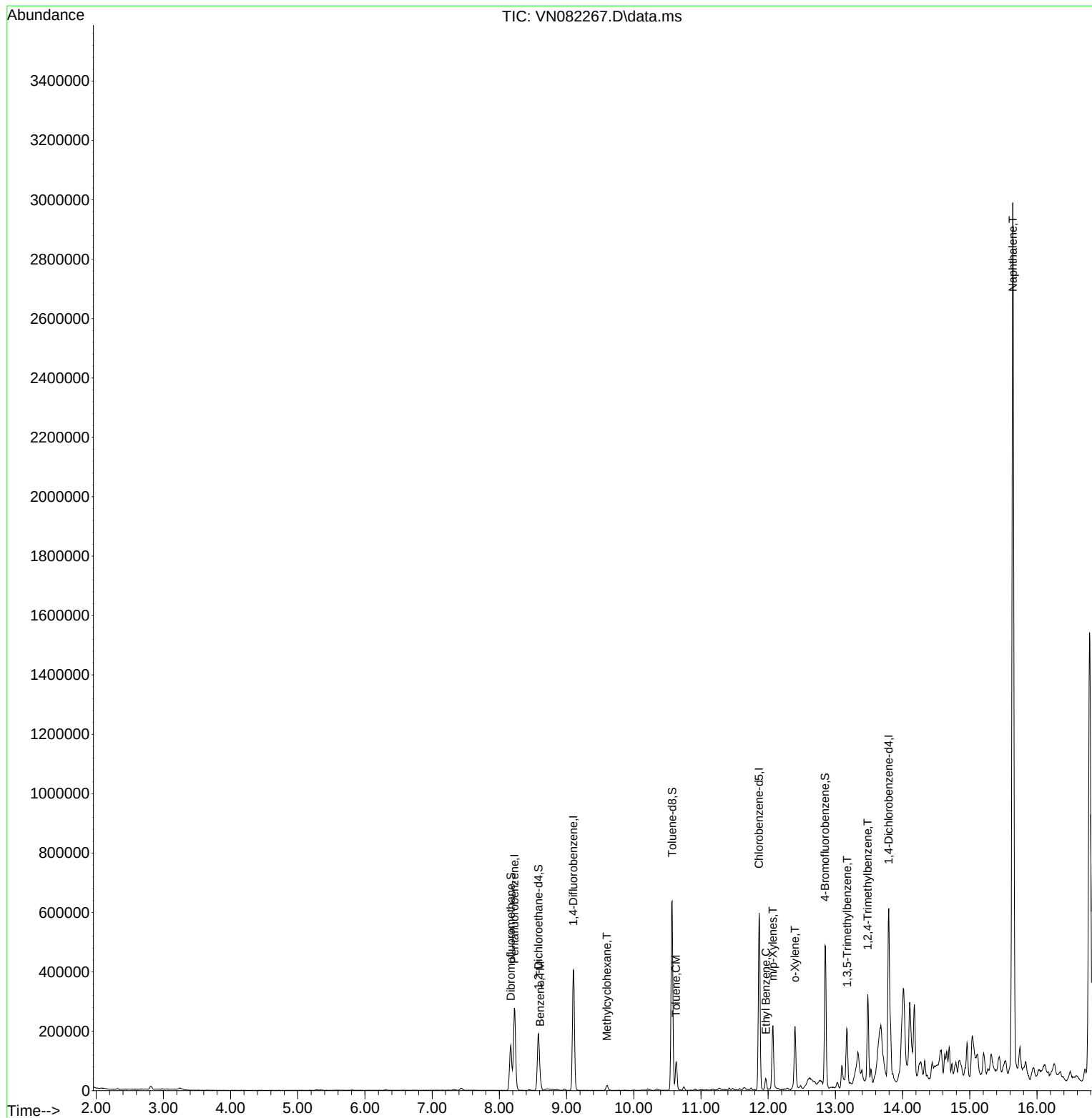
Internal Standards						
1) Pentafluorobenzene	8.224	168	187224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	152655	51.637	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.280%	
35) Dibromofluoromethane	8.171	113	104002	51.372	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.740%	
50) Toluene-d8	10.571	98	417924	53.845	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.680%	
62) 4-Bromofluorobenzene	12.847	95	157143	56.724	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 113.440%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	6393	1.718	ug/l	89
40) Benzene	8.606	78	22562	2.228	ug/l	93
52) Toluene	10.629	92	38592	6.351	ug/l	92
67) Ethyl Benzene	11.965	91	25539	2.058	ug/l	99
68) m/p-Xylenes	12.070	106	54778	12.047	ug/l	88
69) o-Xylene	12.400	106	52268	11.866	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	88209	9.587	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	167297	17.772	ug/l	98
95) Naphthalene	15.641	128	2561792	313.593	ug/l	99

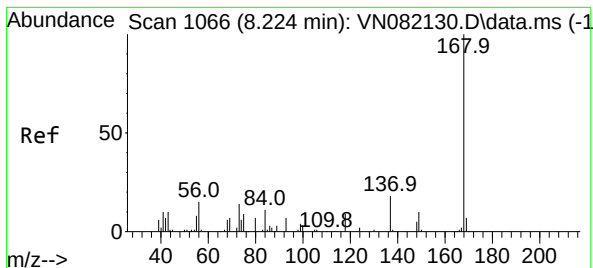
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VN082267.D

Acq: 22 May 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

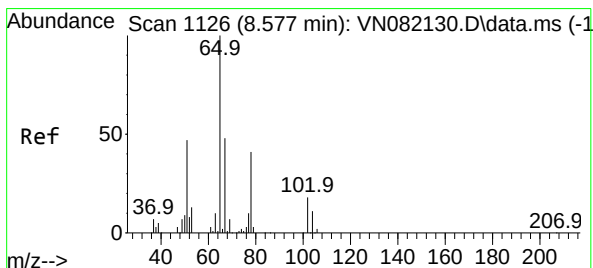
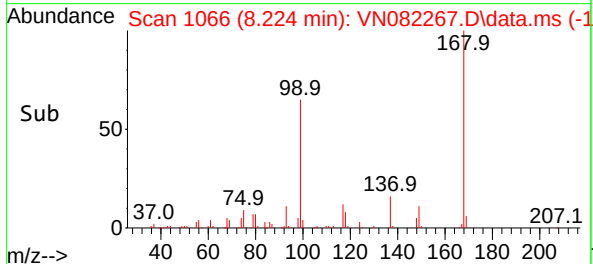
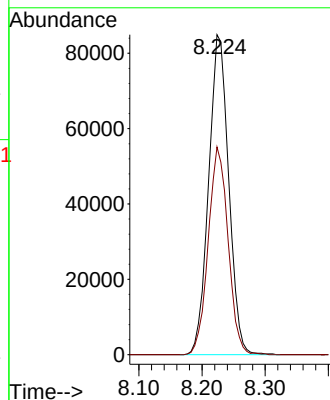
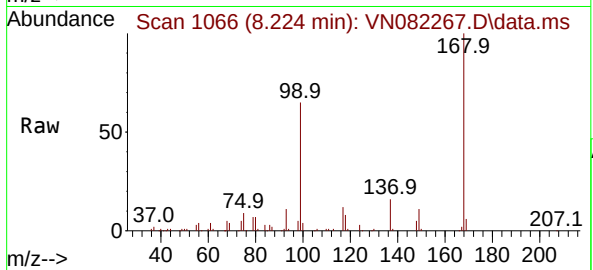
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Tgt Ion:168 Resp: 187224

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



#33

1,2-Dichloroethane-d4

Concen: 51.637 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082267.D

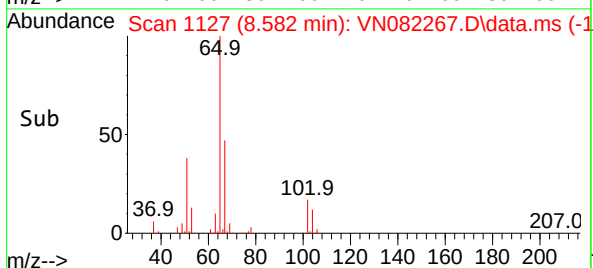
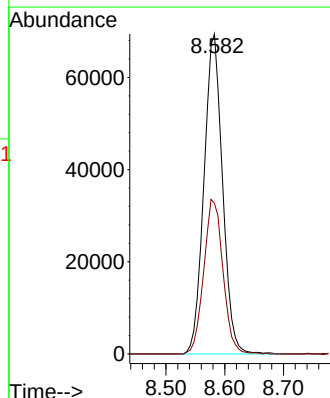
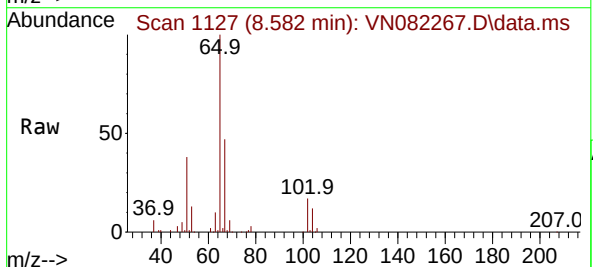
Acq: 22 May 2024 02:45

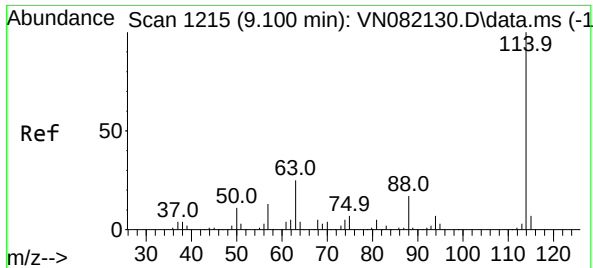
Tgt Ion: 65 Resp: 152655

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082267.D

Acq: 22 May 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

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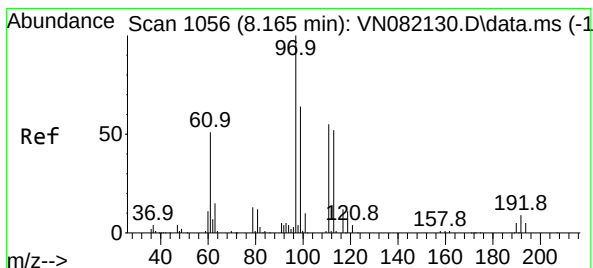
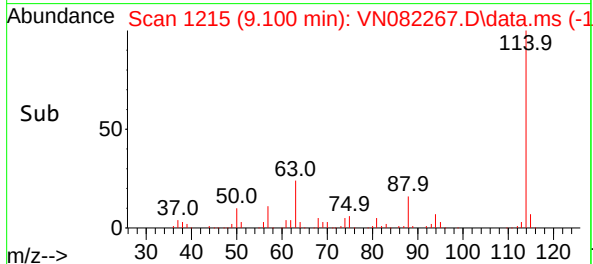
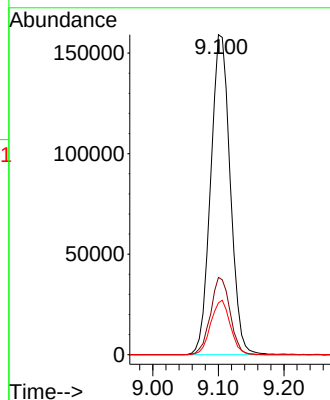
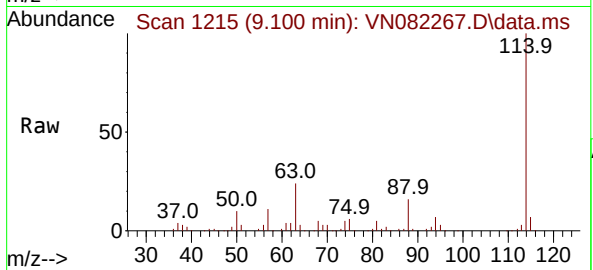
Tgt Ion:114 Resp: 329100

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 16.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.372 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082267.D

Acq: 22 May 2024 02:45

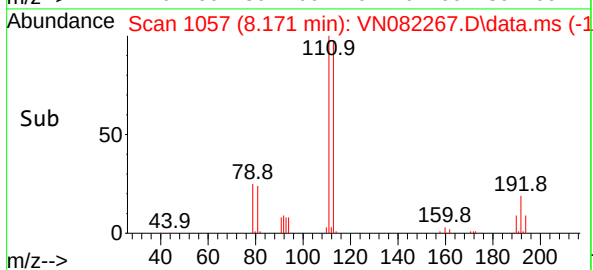
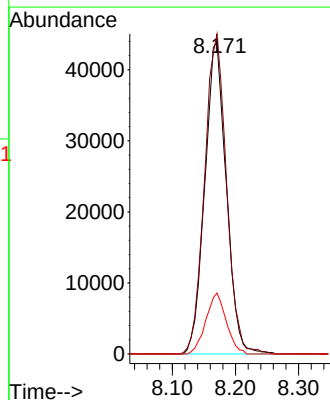
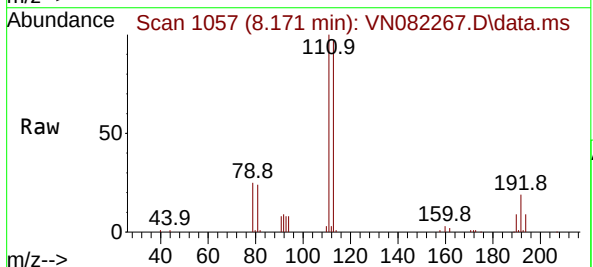
Tgt Ion:113 Resp: 104002

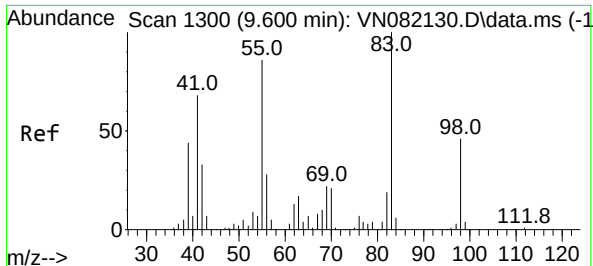
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

192 18.5 14.0 21.0





#39

Methylcyclohexane

Concen: 1.718 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN082267.D

Acq: 22 May 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

7

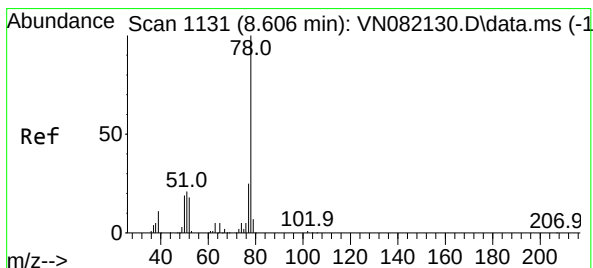
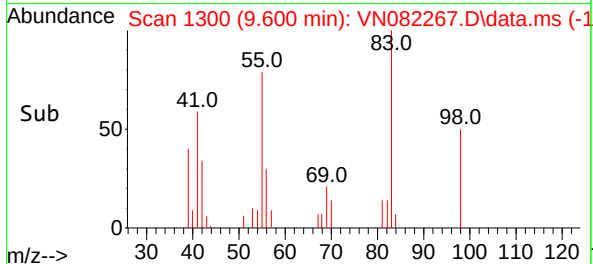
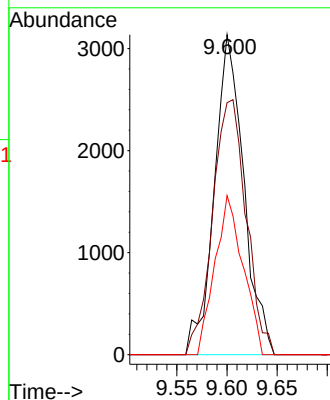
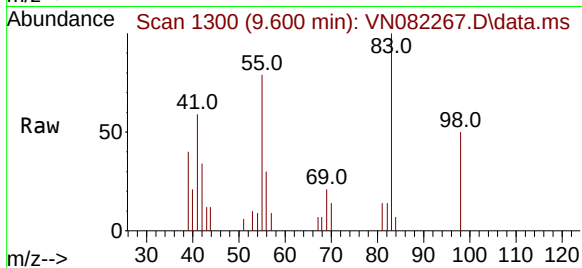
Tgt Ion: 83 Resp: 6393

Ion Ratio Lower Upper

83 100

55 78.7 53.0 79.6

98 49.7 37.1 55.7



#40

Benzene

Concen: 2.228 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082267.D

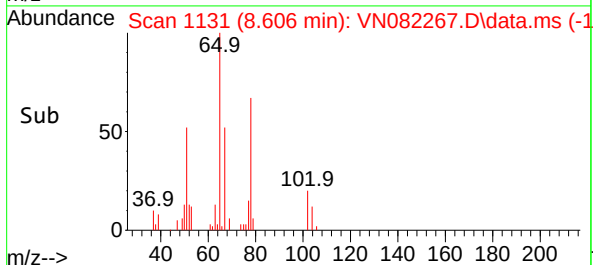
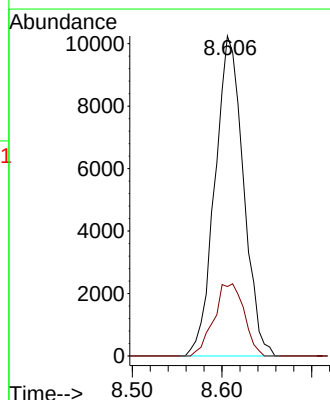
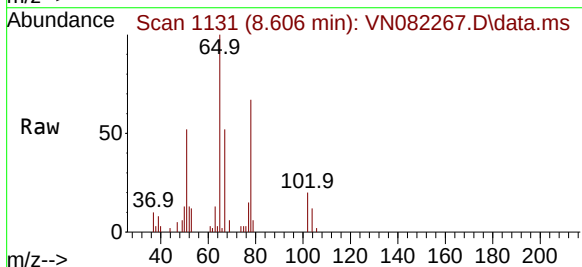
Acq: 22 May 2024 02:45

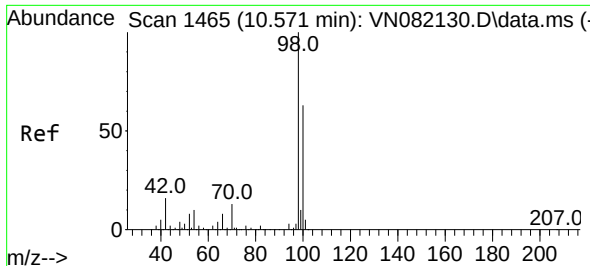
Tgt Ion: 78 Resp: 22562

Ion Ratio Lower Upper

78 100

77 21.7 20.0 30.0

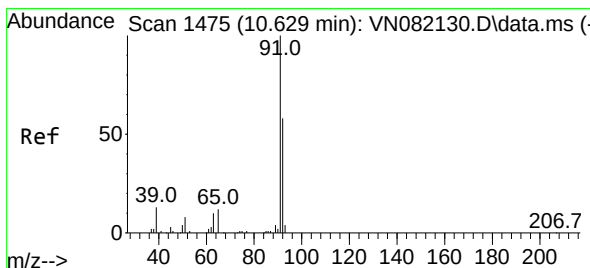
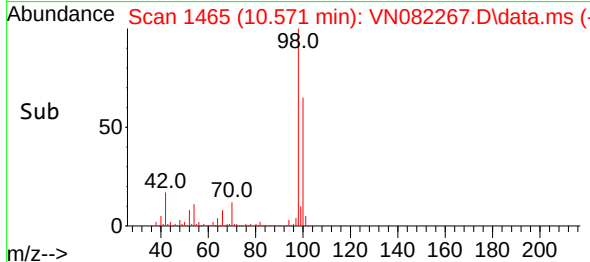
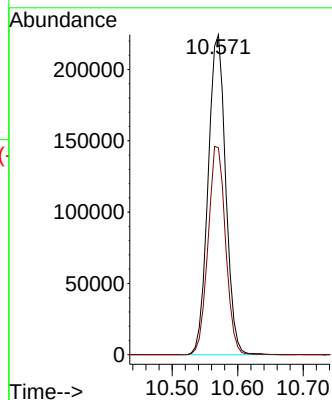
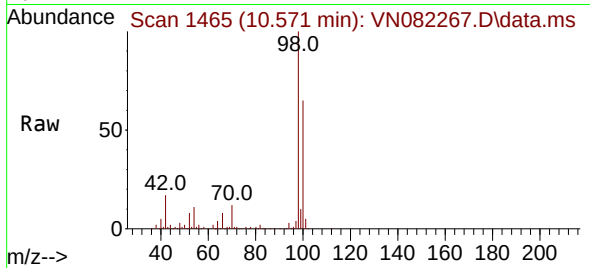




#50
Toluene-d8
Concen: 53.845 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

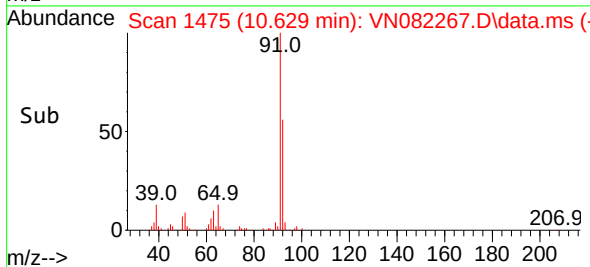
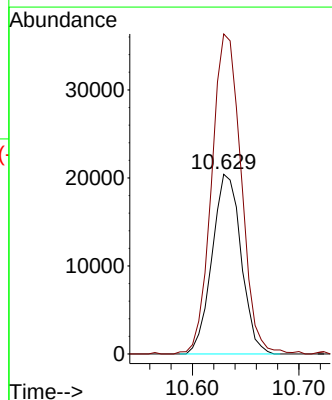
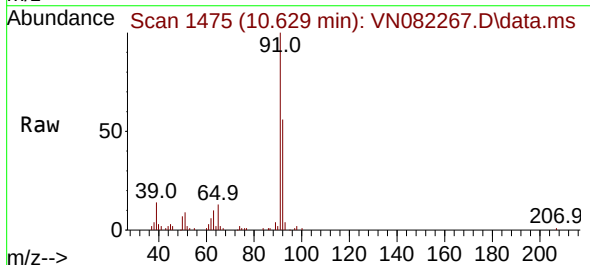
Instrument :
MSVOA_N
ClientSampleId :
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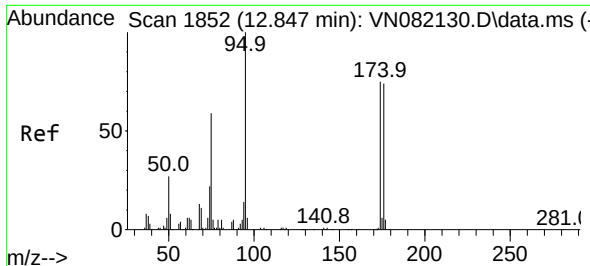
Tgt Ion: 98 Resp: 417924
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#52
Toluene
Concen: 6.351 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

Tgt Ion: 92 Resp: 38592
Ion Ratio Lower Upper
92 100
91 181.4 136.7 205.1

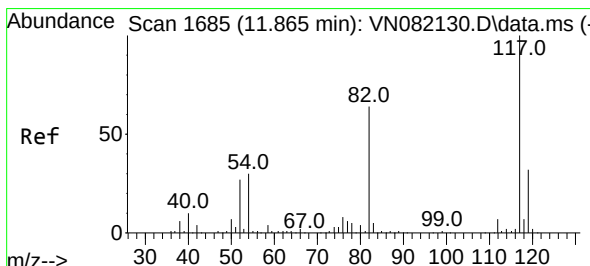
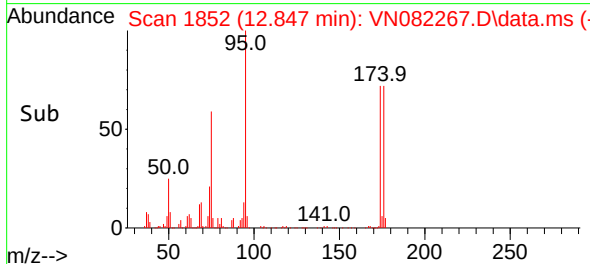
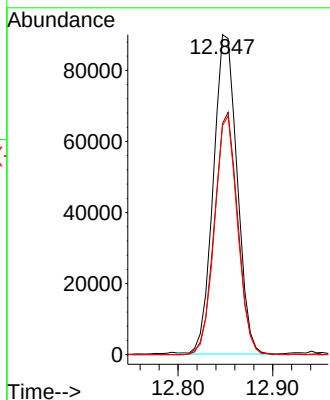
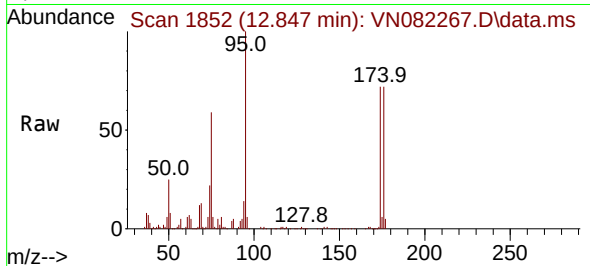




#62
4-Bromofluorobenzene
Concen: 56.724 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

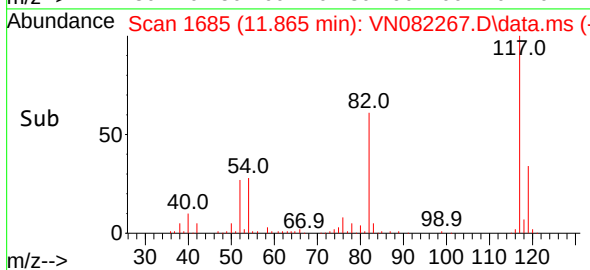
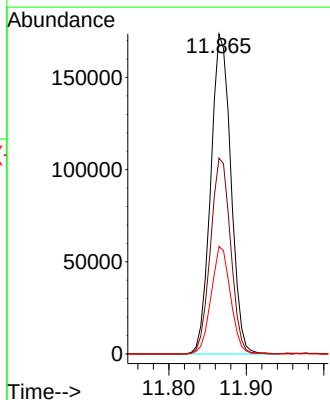
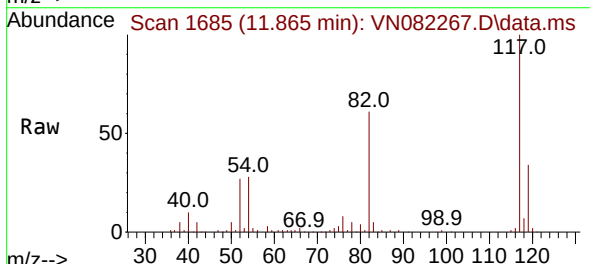
Instrument :
MSVOA_N
ClientSampleId :
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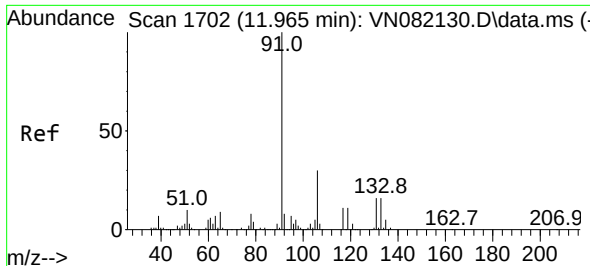
Tgt Ion: 95 Resp: 157143
Ion Ratio Lower Upper
95 100
174 74.0 0.0 160.6
176 72.2 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

Tgt Ion: 117 Resp: 313952
Ion Ratio Lower Upper
117 100
82 61.2 44.6 66.8
119 33.6 25.9 38.9

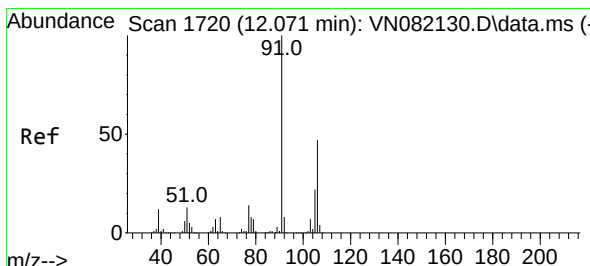
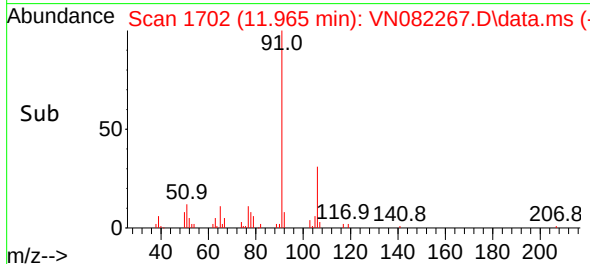
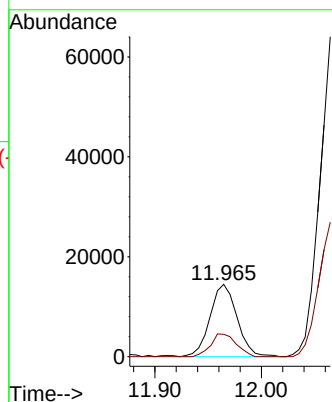
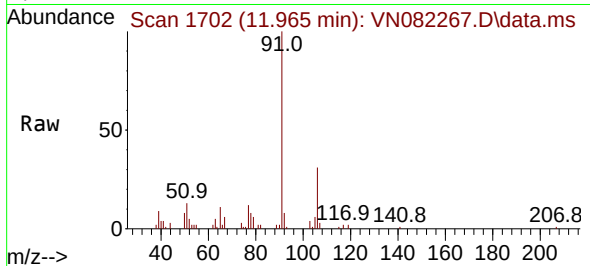




#67
Ethyl Benzene
Concen: 2.058 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

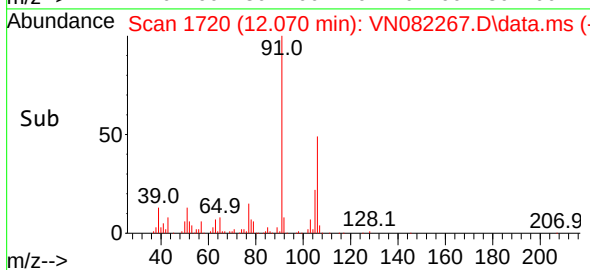
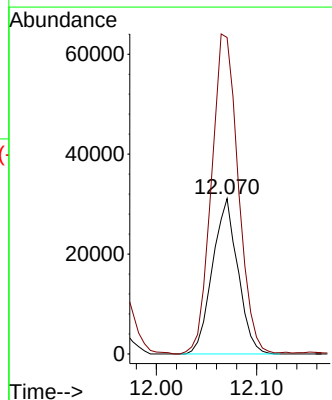
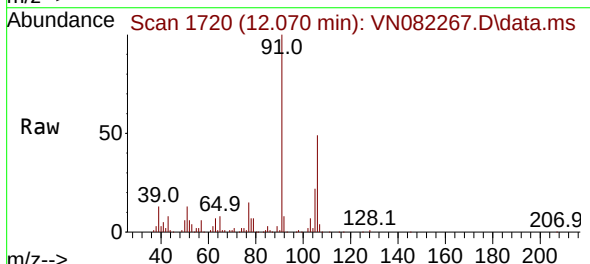
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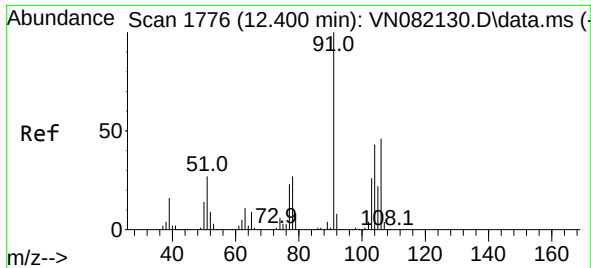
Tgt Ion: 91 Resp: 25539
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9



#68
m/p-Xylenes
Concen: 12.047 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

Tgt Ion: 106 Resp: 54778
Ion Ratio Lower Upper
106 100
91 217.1 159.4 239.0

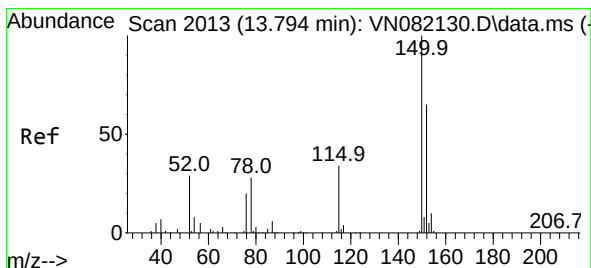
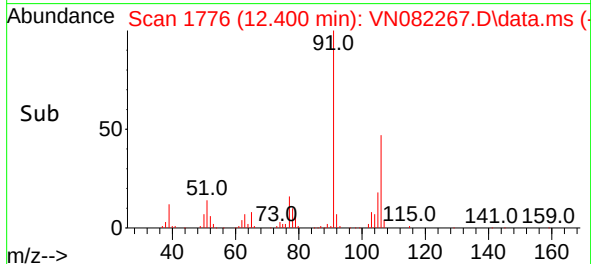
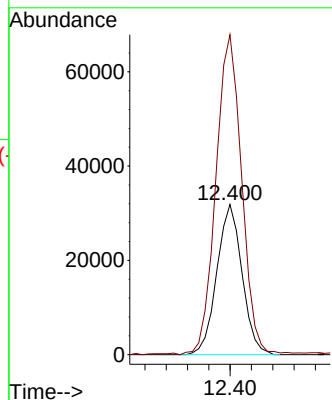
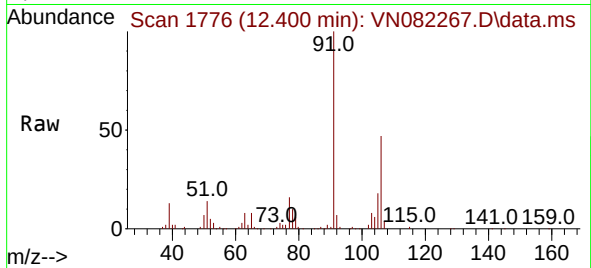




#69
o-Xylene
Concen: 11.866 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

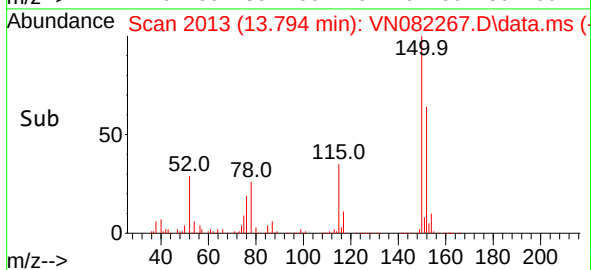
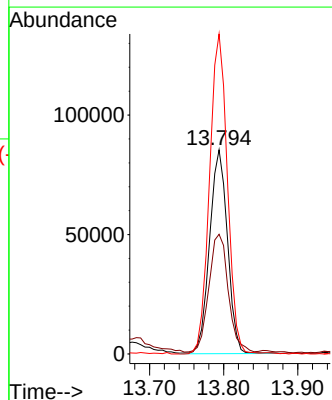
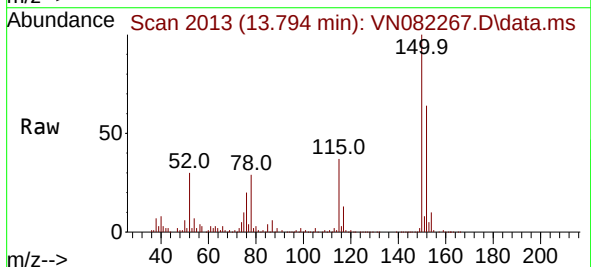
Instrument :
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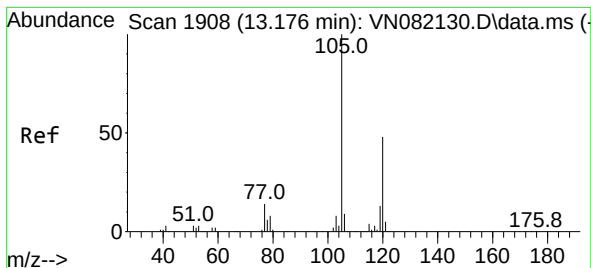
Tgt Ion:106 Resp: 52268
Ion Ratio Lower Upper
106 100
91 219.6 104.7 314.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

Tgt Ion:152 Resp: 143234
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 156.2 0.0 353.2





#80

1,3,5-Trimethylbenzene

Concen: 9.587 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN082267.D

Acq: 22 May 2024 02:45

Instrument :

MSVOA_N

ClientSampleId :

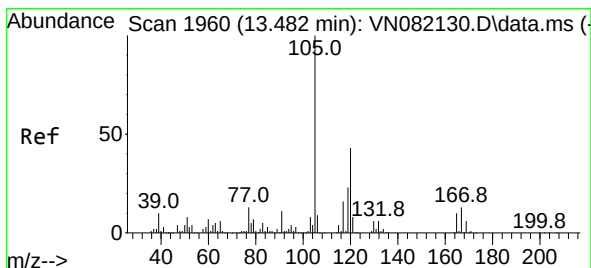
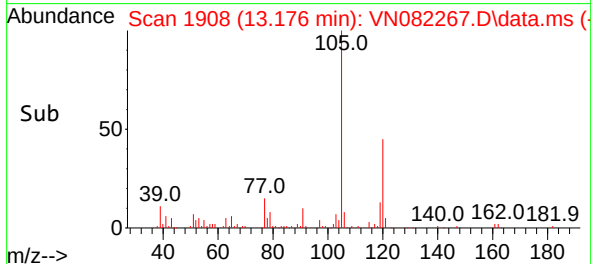
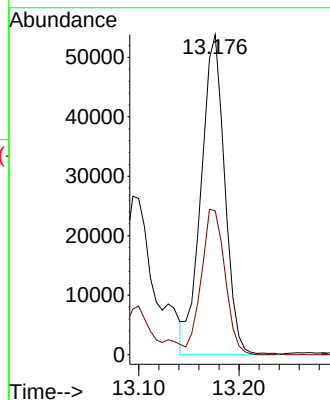
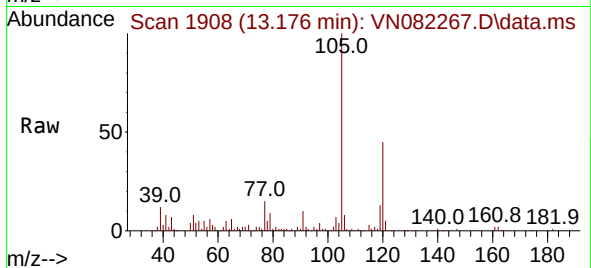
7

Tgt Ion:105 Resp: 88209

Ion Ratio Lower Upper

105 100

120 45.3 24.8 74.3



#84

1,2,4-Trimethylbenzene

Concen: 17.772 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN082267.D

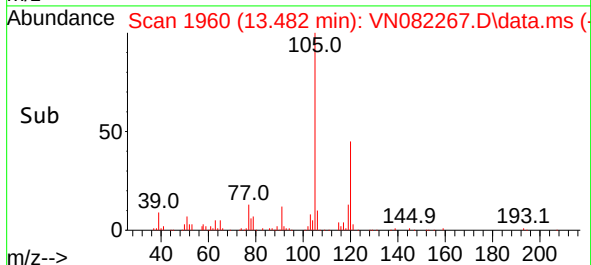
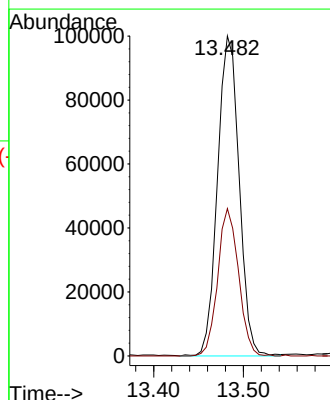
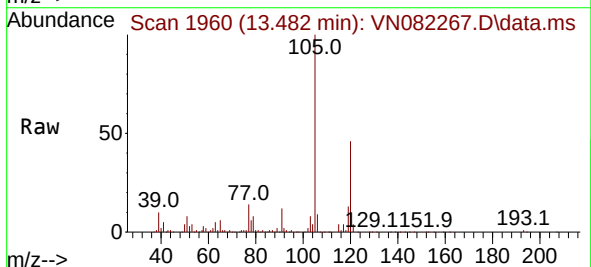
Acq: 22 May 2024 02:45

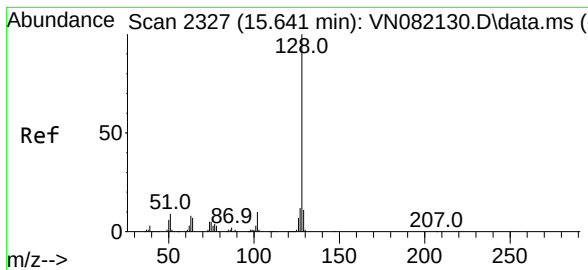
Tgt Ion:105 Resp: 167297

Ion Ratio Lower Upper

105 100

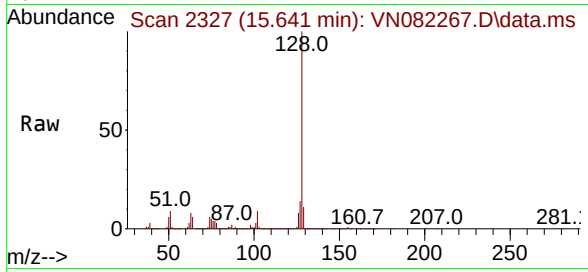
120 44.3 22.9 68.7





#95
Naphthalene
Concen: 313.593 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN082267.D
Acq: 22 May 2024 02:45

Instrument :
MSVOA_N
ClientSampleId :
7



Tgt Ion:128 Resp: 2561792
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.9 8.9 13.3

