

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081730.D
 Acq On : 12 Apr 2024 20:07
 Operator : JC\MD
 Sample : P2075-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240410102-02-VOA

Quant Time: Apr 13 07:02:50 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)

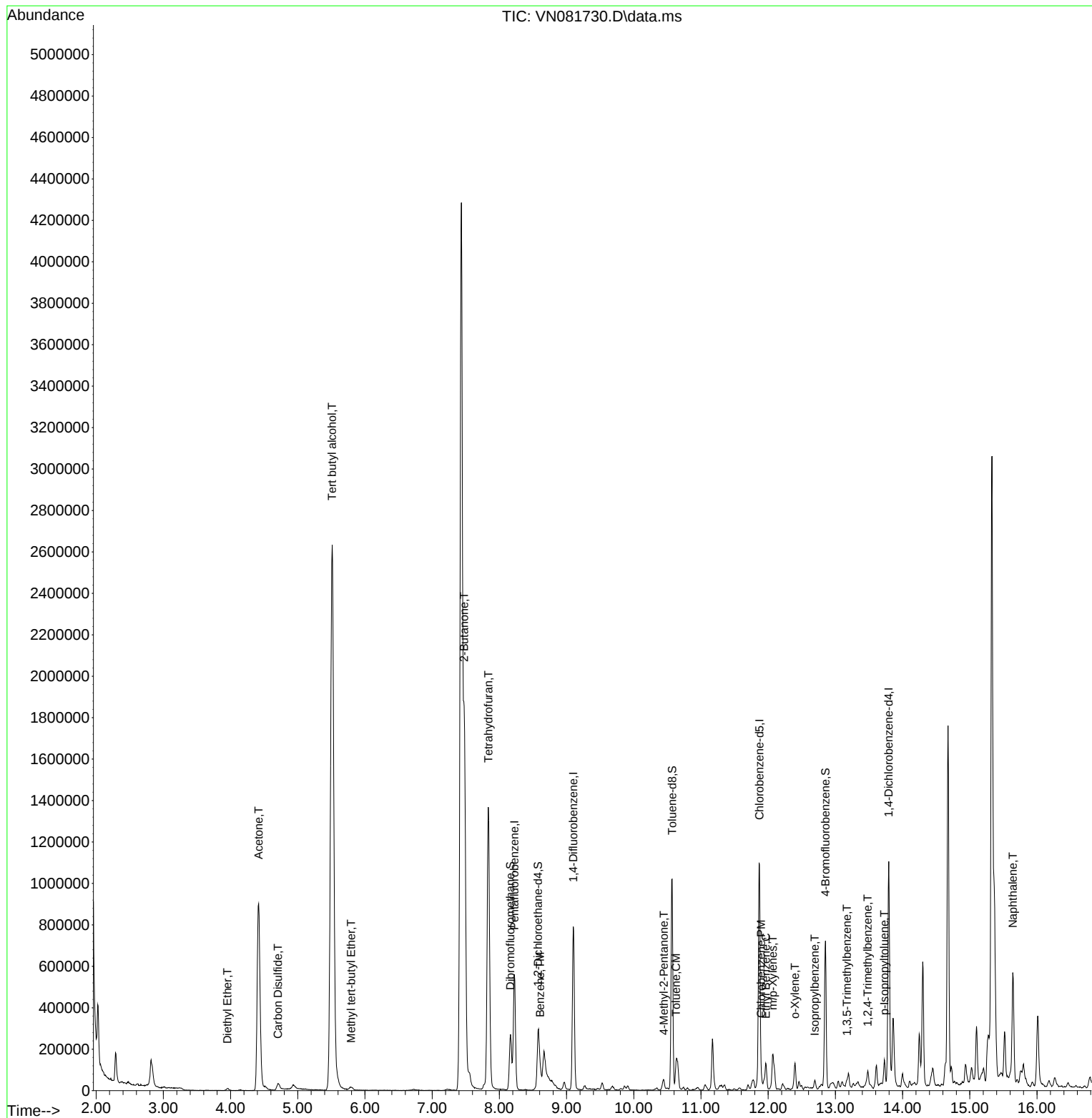
Internal Standards						
1) Pentafluorobenzene	8.224	168	393658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	697637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	638378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	282059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	226954	45.208	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.420%		
35) Dibromofluoromethane	8.165	113	192833	43.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.600%		
50) Toluene-d8	10.571	98	696145	43.740	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.480%		
62) 4-Bromofluorobenzene	12.853	95	241233	43.016	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	86.040%		
Target Compounds						Qvalue
8) Diethyl Ether	3.953	74	4606	1.577	ug/l	92
11) Tert butyl alcohol	5.512	59	5110495	5841.516	ug/l	99
16) Acetone	4.418	43	1670782	1029.820	ug/l	96
17) Carbon Disulfide	4.706	76	78443	5.884	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	21429	1.474	ug/l #	89
25) 2-Butanone	7.477	43	2762326	992.658	ug/l #	88
29) Tetrahydrofuran	7.835	42	981883	523.769	ug/l #	74
40) Benzene	8.606	78	60014	2.770	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	36669	5.714	ug/l	89
52) Toluene	10.629	92	55463	4.028	ug/l	98
65) Chlorobenzene	11.894	112	23004	1.524	ug/l	99
67) Ethyl Benzene	11.965	91	73584	2.807	ug/l	99
68) m/p-Xylenes	12.070	106	53330	5.427	ug/l	95
69) o-Xylene	12.400	106	31325	3.247	ug/l	90
73) Isopropylbenzene	12.694	105	14569	0.606	ug/l	87
80) 1,3,5-Trimethylbenzene	13.170	105	9748	0.491	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	39280	1.968	ug/l	90
86) p-Isopropyltoluene	13.729	119	65525	3.274	ug/l	96
95) Naphthalene	15.641	128	506789	25.754	ug/l	99

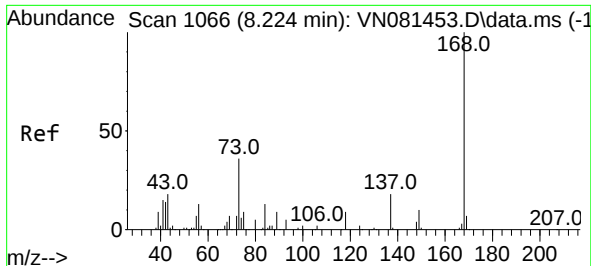
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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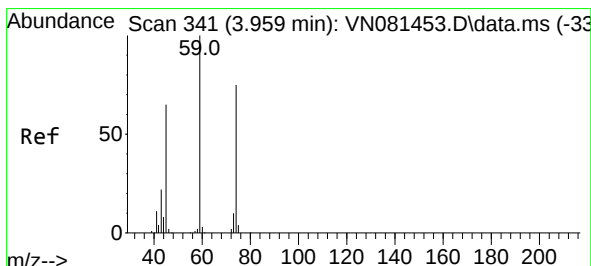
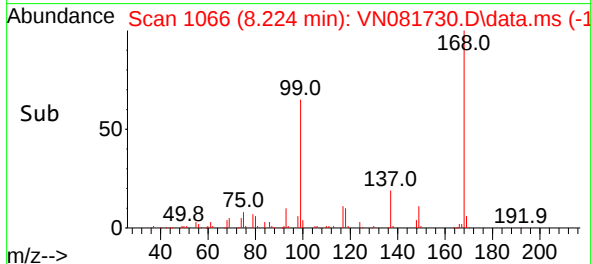
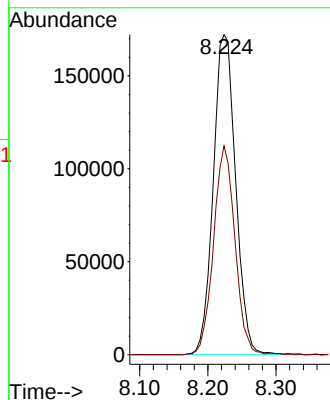
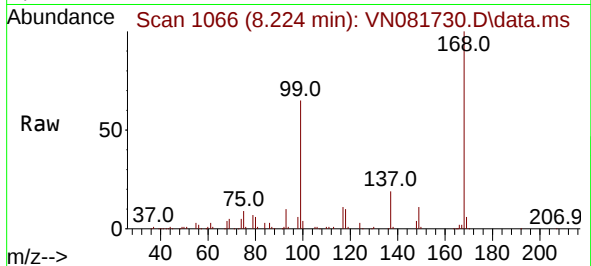




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

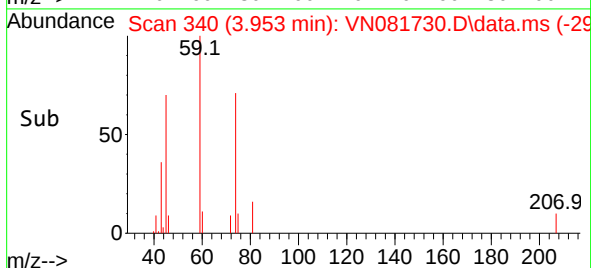
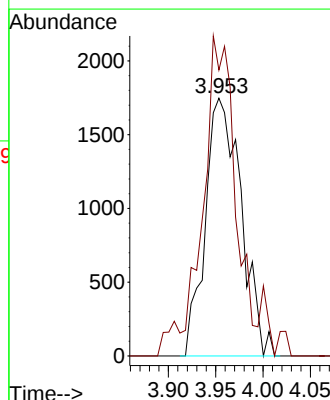
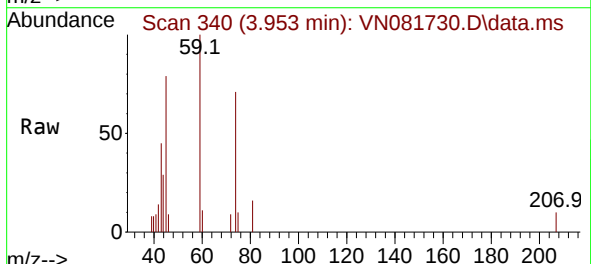
Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

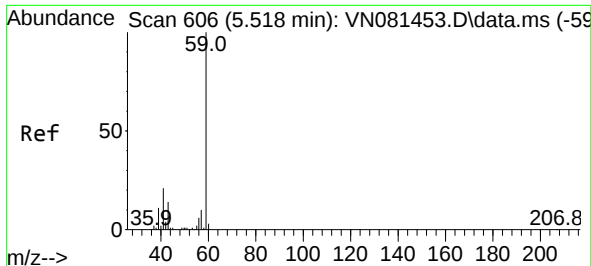
Tgt Ion:168 Resp: 393658
Ion Ratio Lower Upper
168 100
99 65.2 59.9 89.9



#8
Diethyl Ether
Concen: 1.577 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

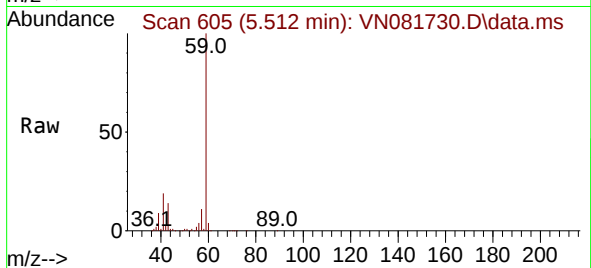
Tgt Ion: 74 Resp: 4606
Ion Ratio Lower Upper
74 100
45 114.5 53.3 159.9



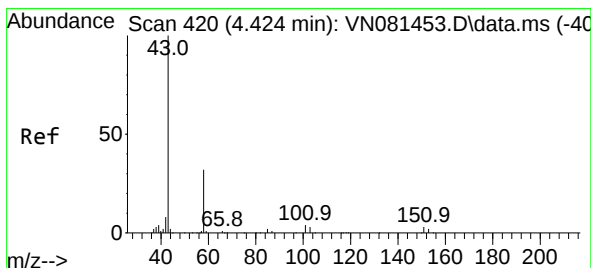
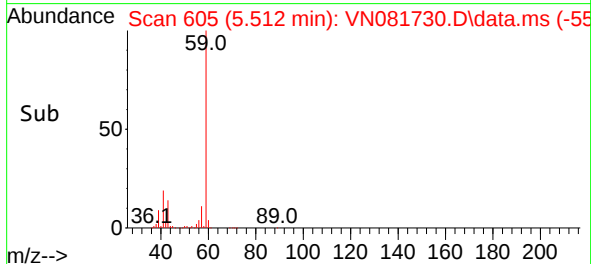
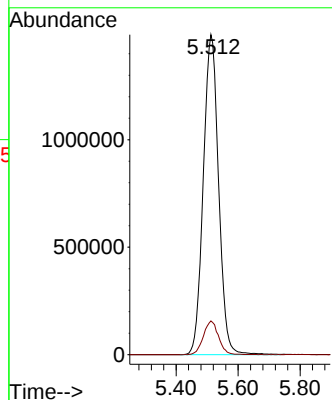


#11
Tert butyl alcohol
Concen: 5841.516 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN081730.D
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Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

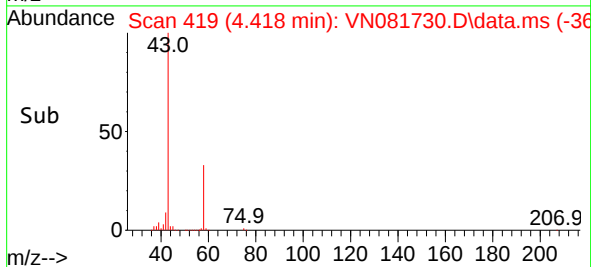
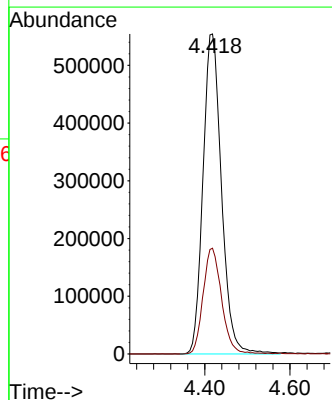
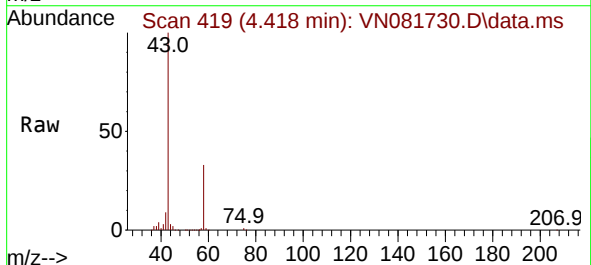


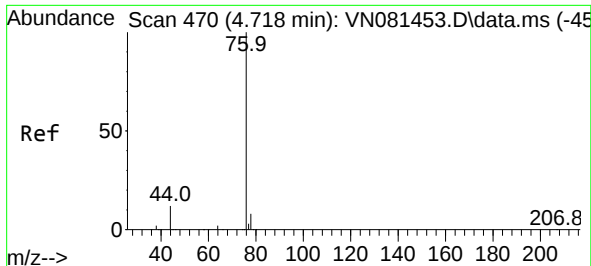
Tgt Ion: 59 Resp: 5110495
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#16
Acetone
Concen: 1029.820 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion: 43 Resp: 1670782
Ion Ratio Lower Upper
43 100
58 33.0 24.8 37.2





#17

Carbon Disulfide

Concen: 5.884 ug/l

RT: 4.706 min Scan# 4

Delta R.T. -0.012 min

Lab File: VN081730.D

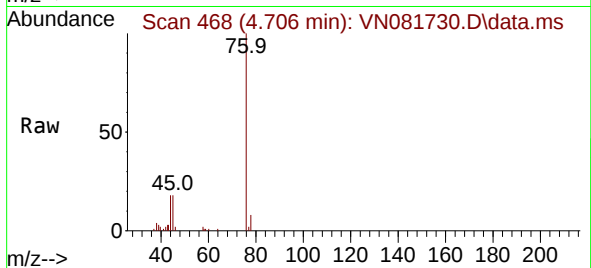
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Instrument :

MSVOA_N

ClientSampleId :

240410102-02-VOA

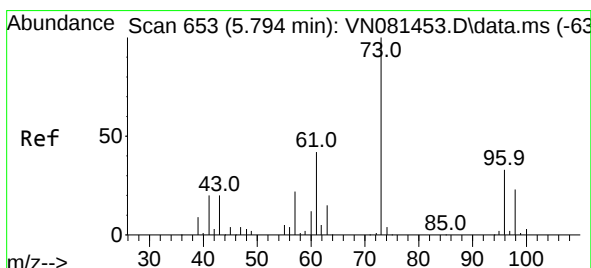
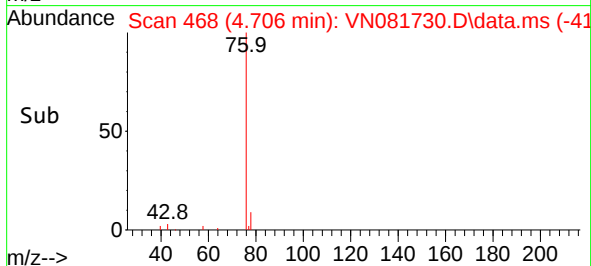
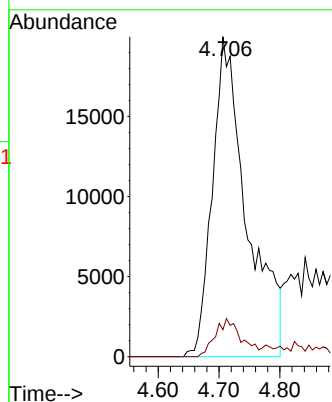


Tgt Ion: 76 Resp: 78443

Ion Ratio Lower Upper

76 100

78 8.5 6.3 9.5



#19

Methyl tert-butyl Ether

Concen: 1.474 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.000 min

Lab File: VN081730.D

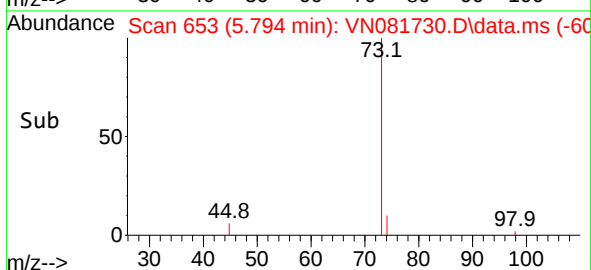
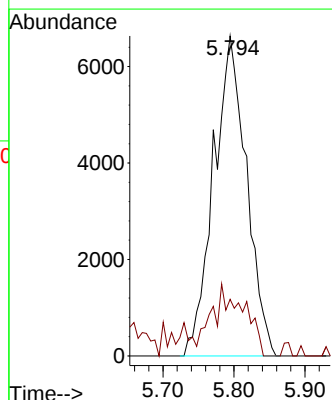
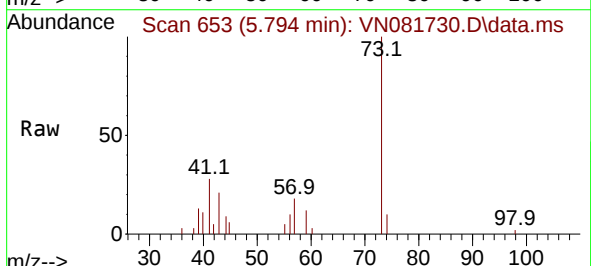
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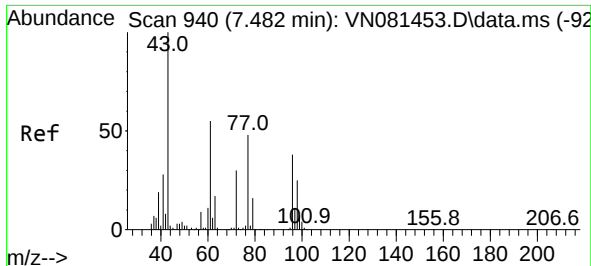
Tgt Ion: 73 Resp: 21429

Ion Ratio Lower Upper

73 100

57 17.7 18.2 27.4#

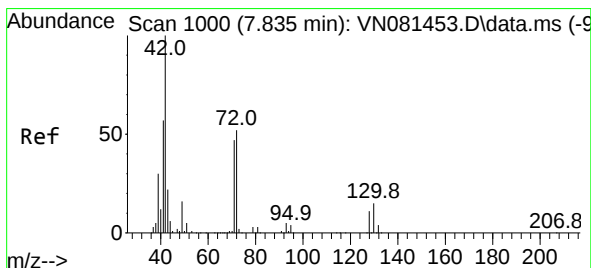
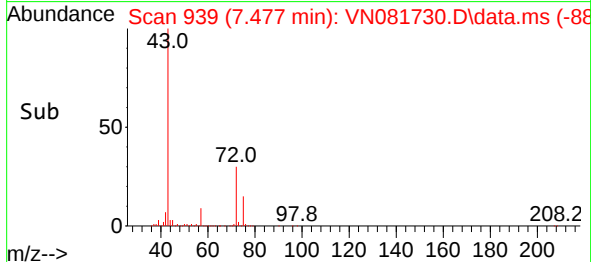
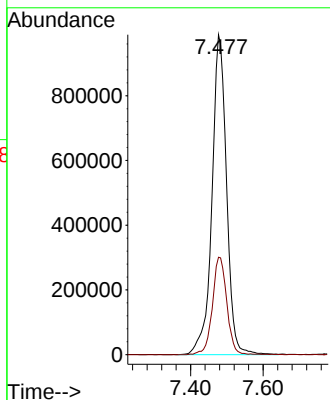
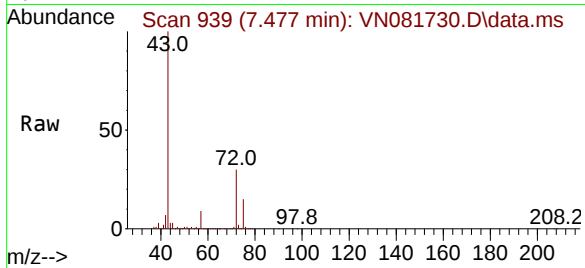




#25
2-Butanone
Concen: 992.658 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

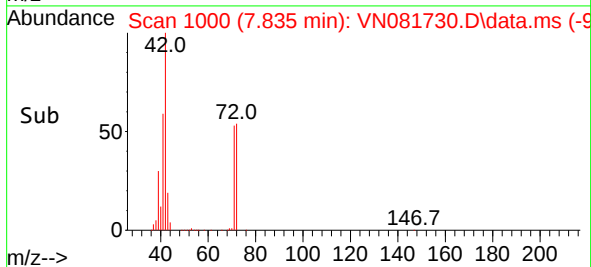
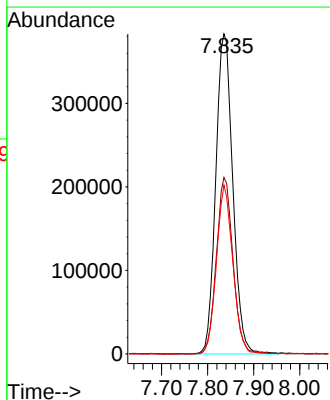
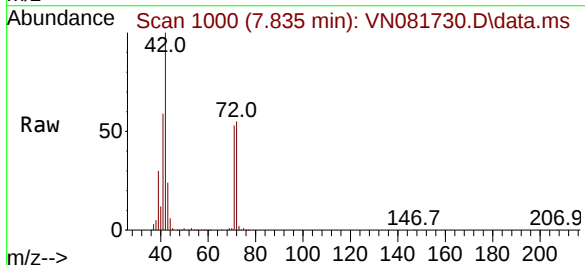
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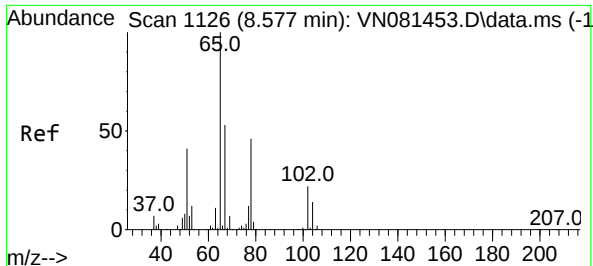
Tgt Ion: 43 Resp: 2762326
Ion Ratio Lower Upper
43 100
72 30.4 19.5 29.3#



#29
Tetrahydrofuran
Concen: 523.769 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion: 42 Resp: 981883
Ion Ratio Lower Upper
42 100
72 54.0 31.1 46.7#
71 50.8 28.3 42.5#

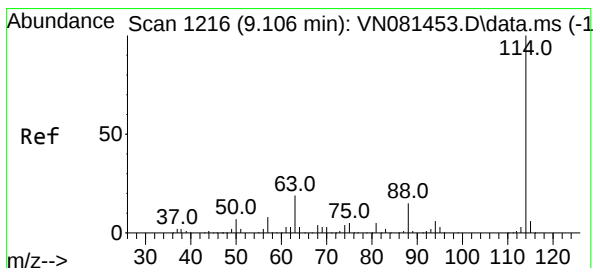
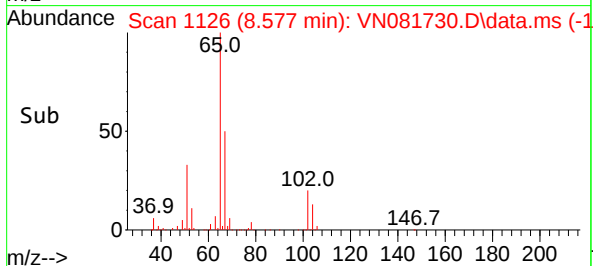
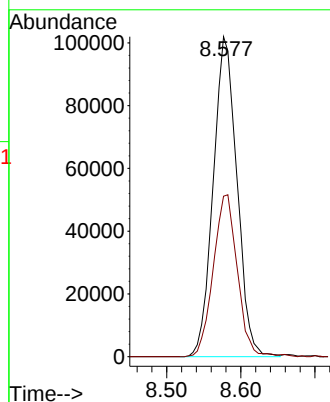
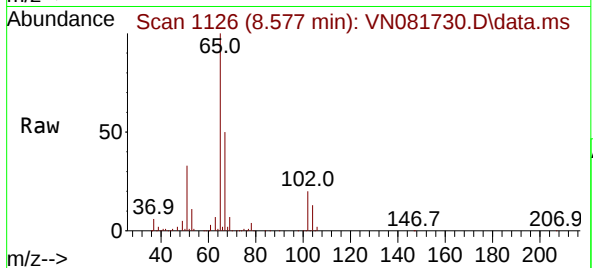




#33
 1,2-Dichloroethane-d4
 Concen: 45.208 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN081730.D
 Acq: 12 Apr 2024 20:07

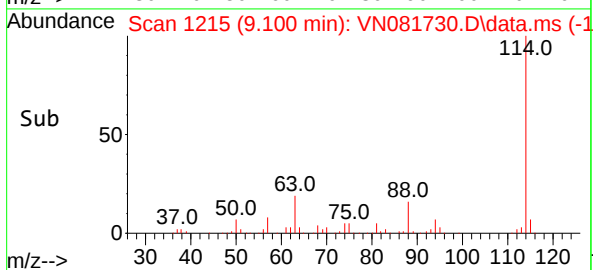
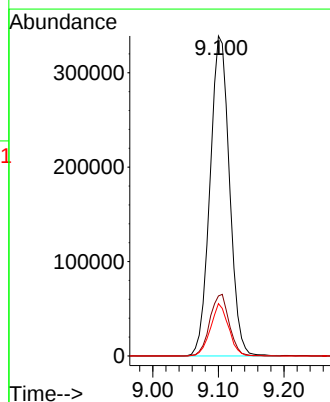
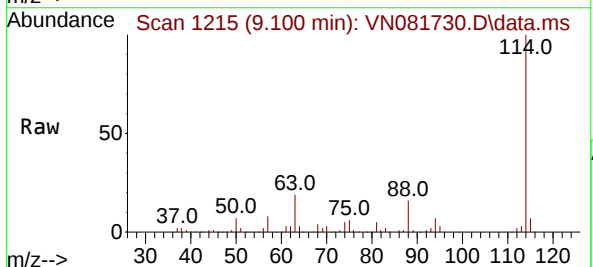
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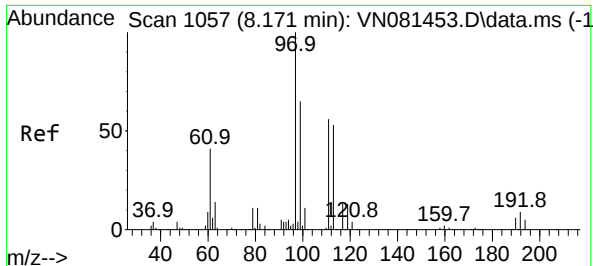
Tgt Ion: 65 Resp: 226954
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN081730.D
 Acq: 12 Apr 2024 20:07

Tgt Ion: 114 Resp: 697637
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 48.0
 88 16.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 43.798 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN081730.D

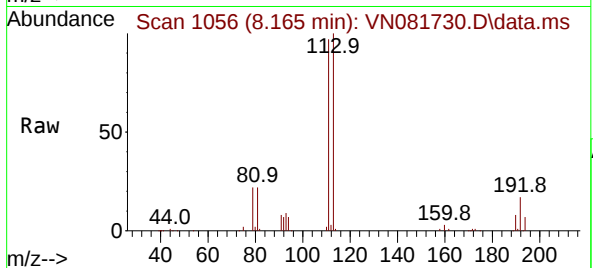
Acq: 12 Apr 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :

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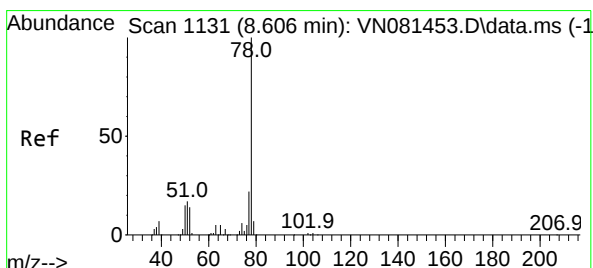
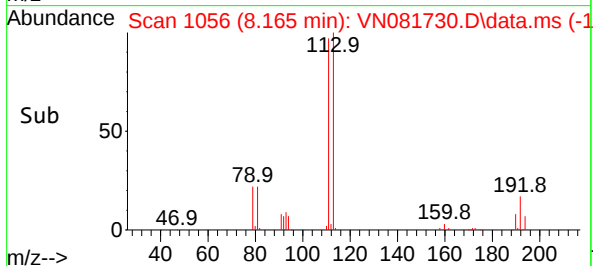
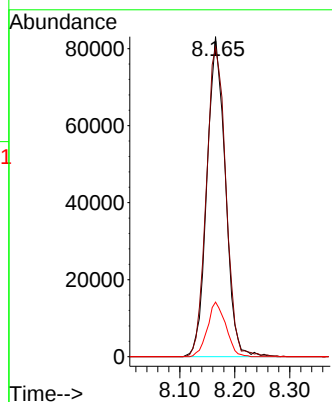
Tgt Ion:113 Resp: 192833

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 17.1 12.5 18.7



#40

Benzene

Concen: 2.770 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081730.D

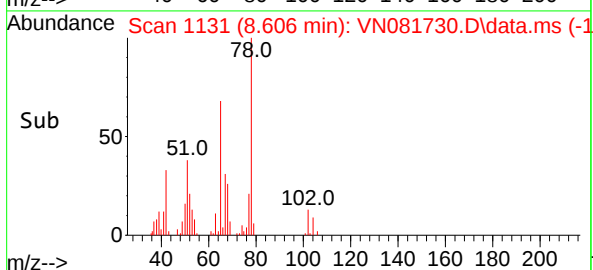
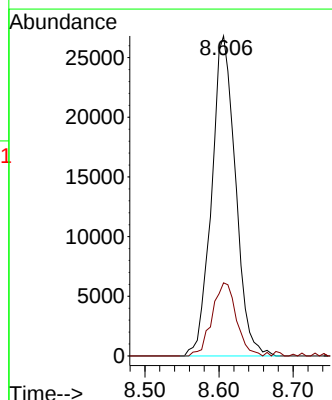
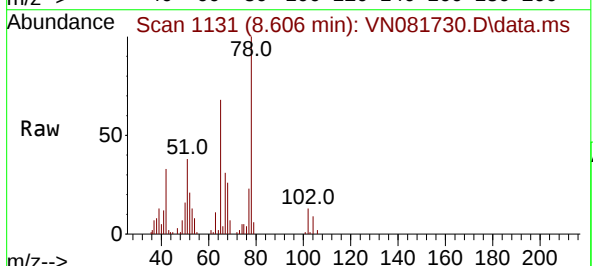
Acq: 12 Apr 2024 20:07

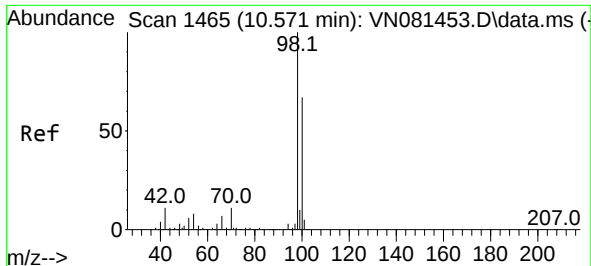
Tgt Ion: 78 Resp: 60014

Ion Ratio Lower Upper

78 100

77 22.8 20.4 30.6

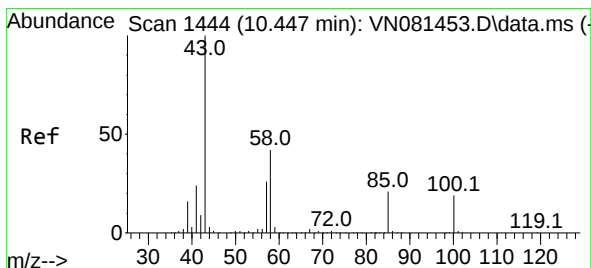
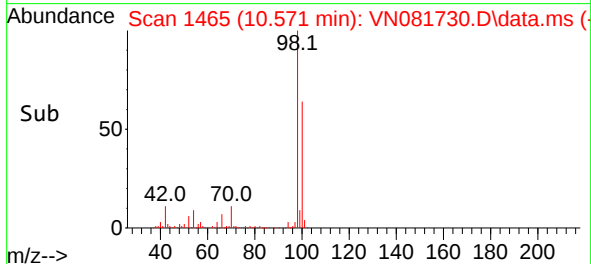
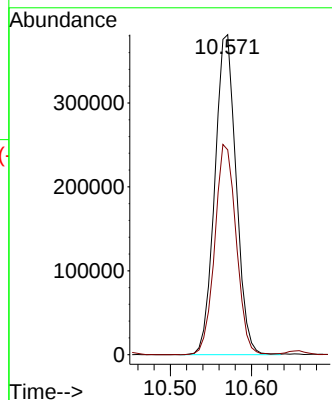
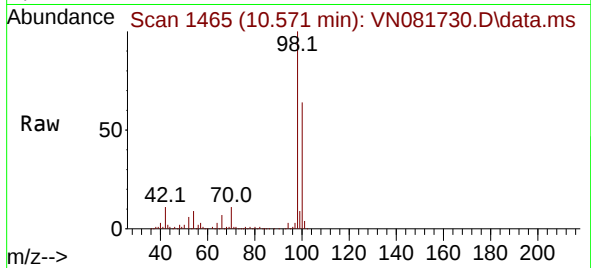




#50
Toluene-d8
Concen: 43.740 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

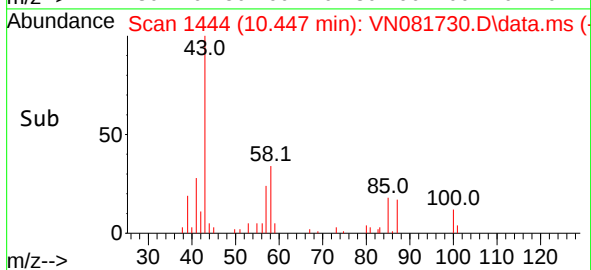
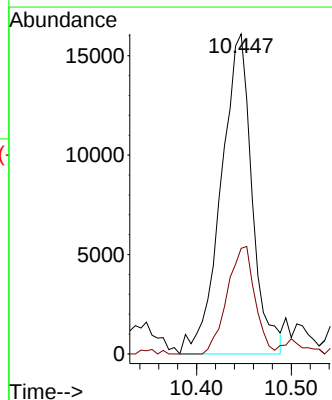
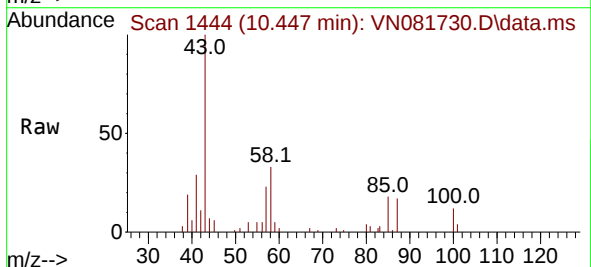
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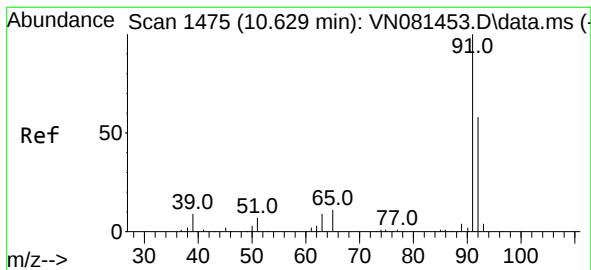
Tgt Ion: 98 Resp: 696145
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 5.714 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion: 43 Resp: 36669
Ion Ratio Lower Upper
43 100
58 29.9 29.4 44.0





#52

Toluene

Concen: 4.028 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081730.D

Acq: 12 Apr 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :

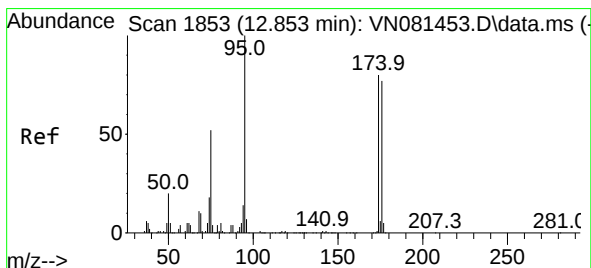
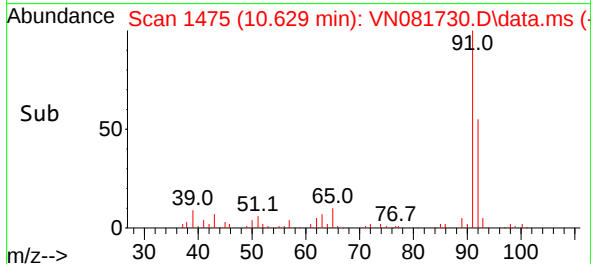
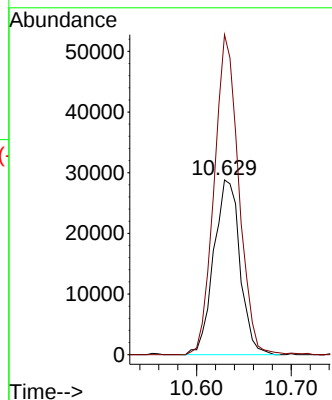
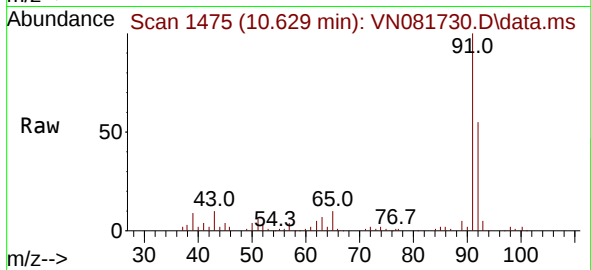
240410102-02-VOA

Tgt Ion: 92 Resp: 55463

Ion Ratio Lower Upper

92 100

91 171.9 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 43.016 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081730.D

Acq: 12 Apr 2024 20:07

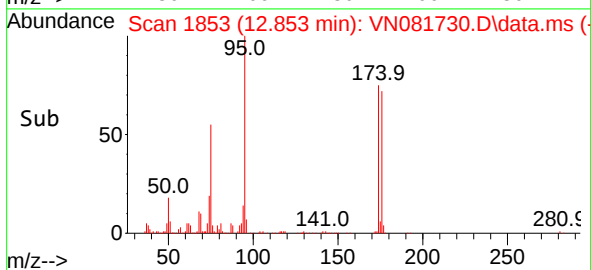
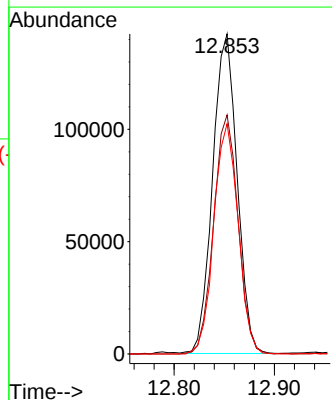
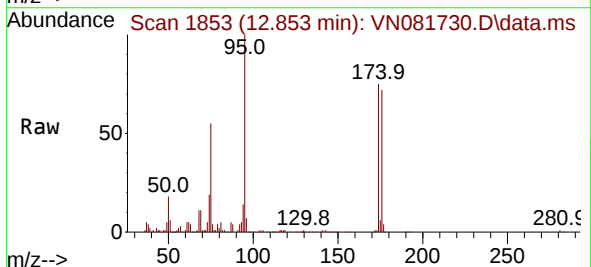
Tgt Ion: 95 Resp: 241233

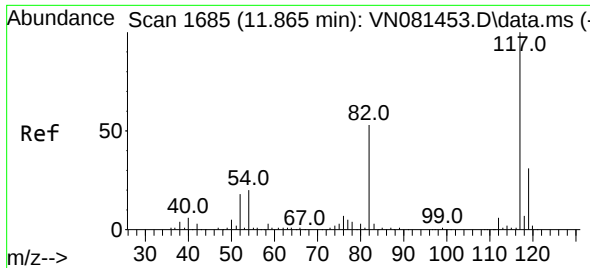
Ion Ratio Lower Upper

95 100

174 74.5 0.0 120.4

176 71.6 0.0 121.0

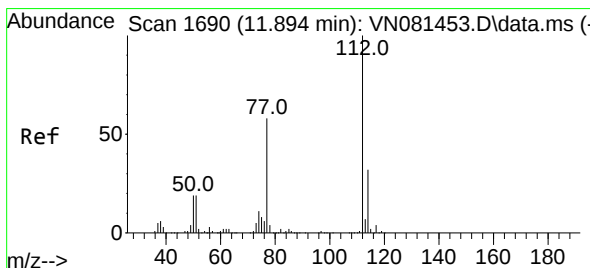
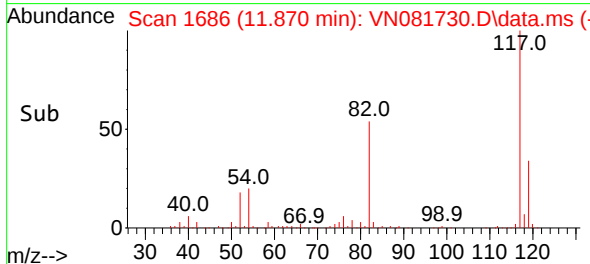
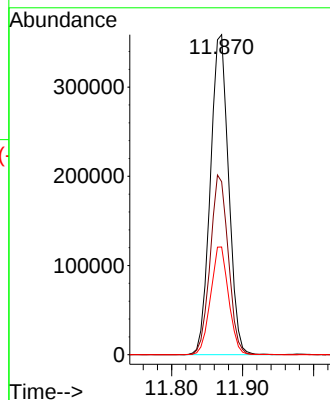
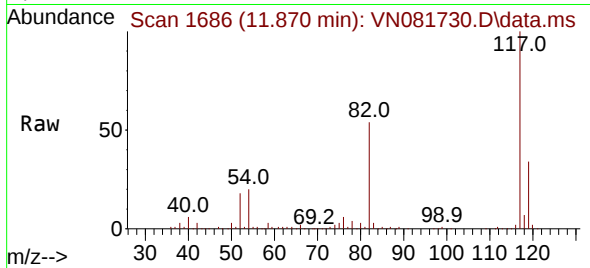




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

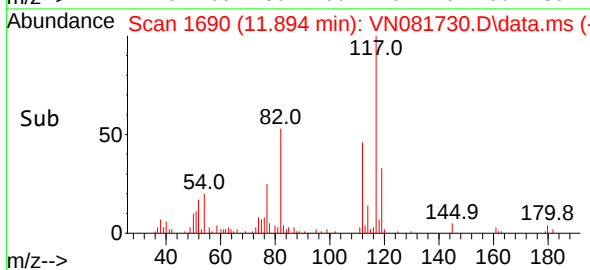
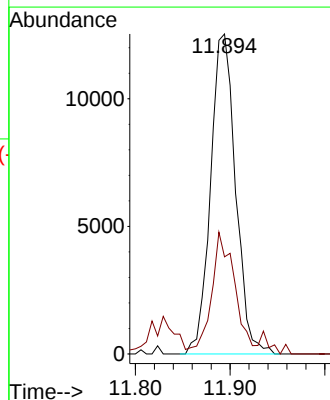
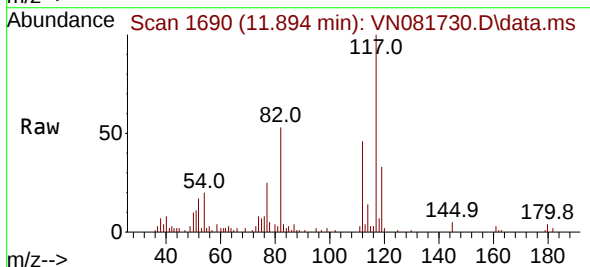
Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

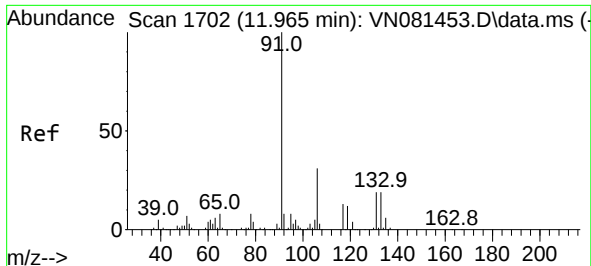
Tgt Ion:117 Resp: 638378
Ion Ratio Lower Upper
117 100
82 54.0 52.7 79.1
119 33.7 25.3 37.9



#65
Chlorobenzene
Concen: 1.524 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion:112 Resp: 23004
Ion Ratio Lower Upper
112 100
114 30.4 23.7 35.5

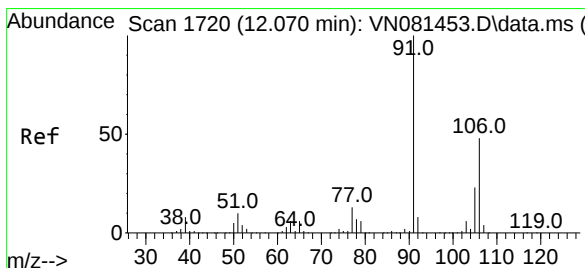
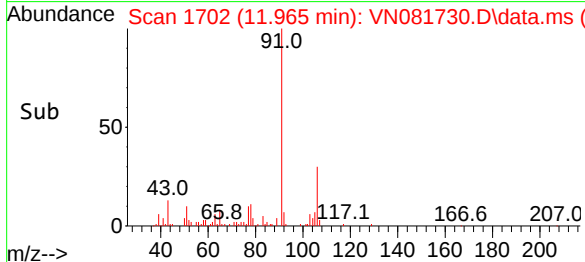
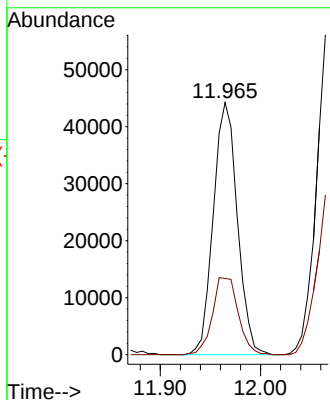
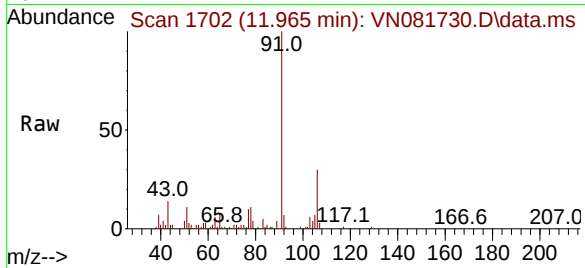




#67
Ethyl Benzene
Concen: 2.807 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

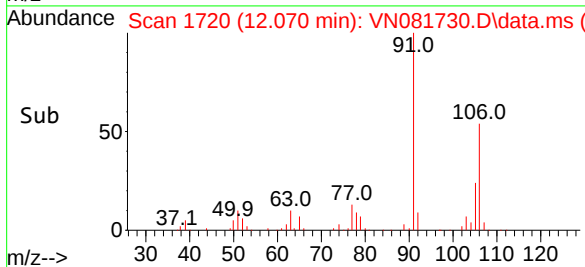
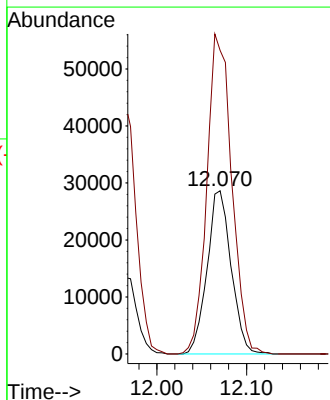
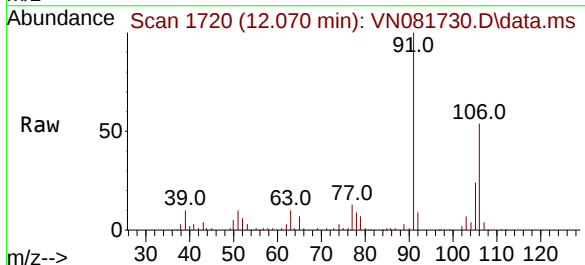
Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

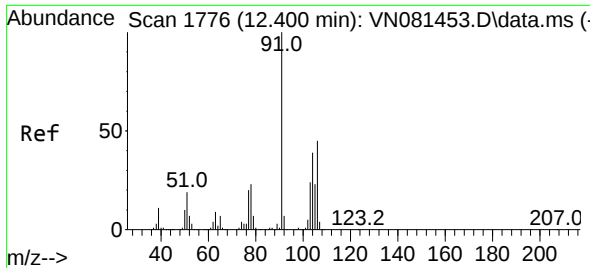
Tgt Ion: 91 Resp: 73584
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6



#68
m/p-Xylenes
Concen: 5.427 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion: 106 Resp: 53330
Ion Ratio Lower Upper
106 100
91 202.9 169.0 253.6

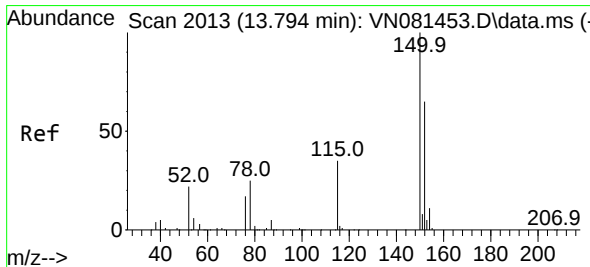
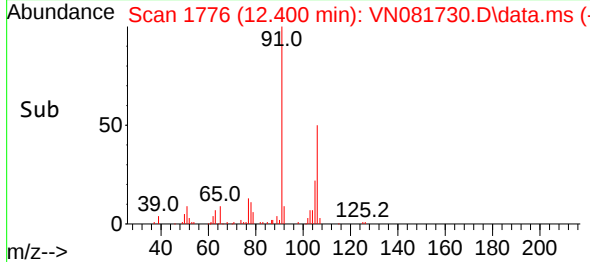
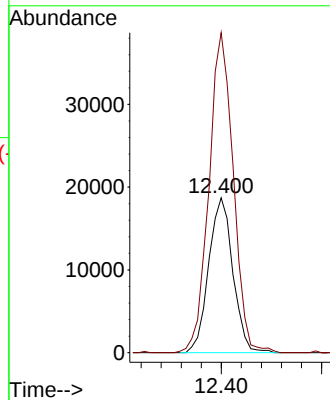
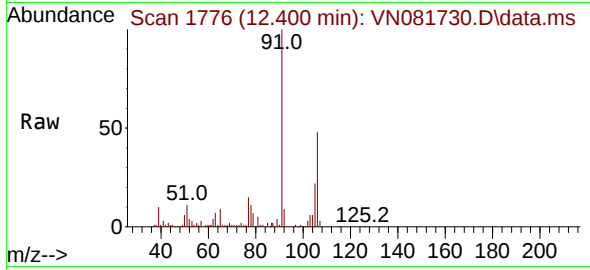




#69
o-Xylene
Concen: 3.247 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

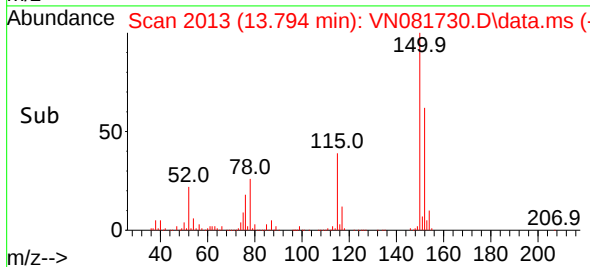
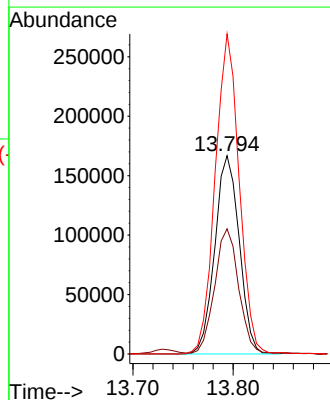
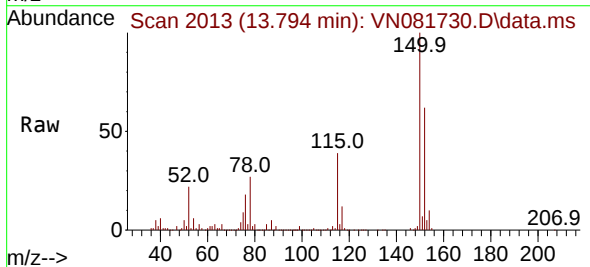
Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

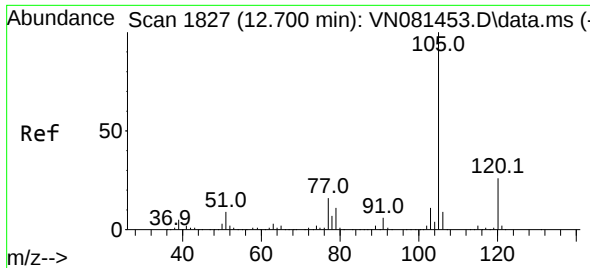
Tgt Ion:106 Resp: 31325
Ion Ratio Lower Upper
106 100
91 208.1 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

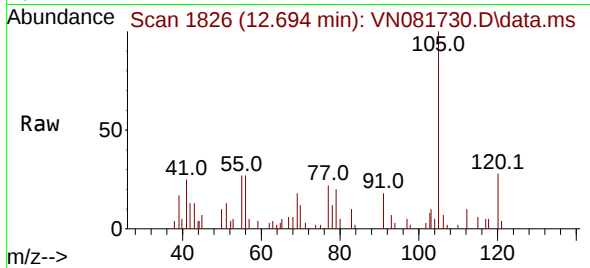
Tgt Ion:152 Resp: 282059
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 158.8 0.0 339.8



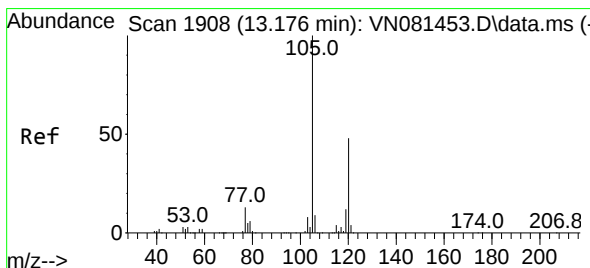
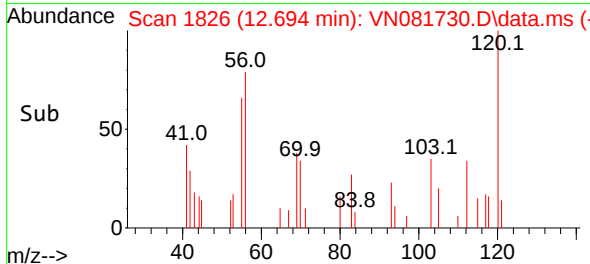
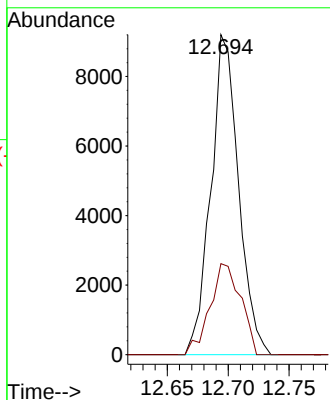


#73
Isopropylbenzene
Concen: 0.606 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA

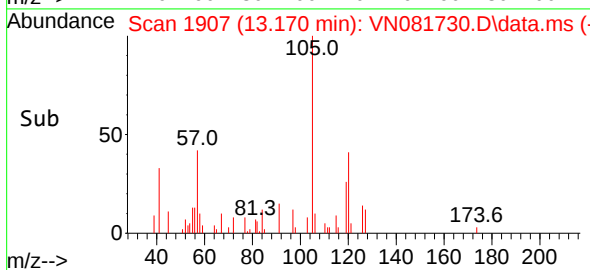
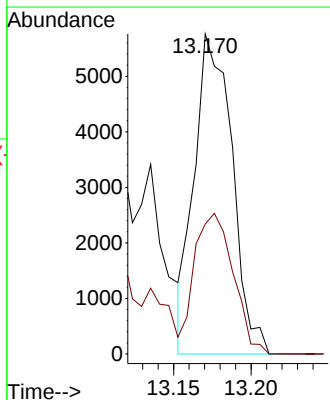
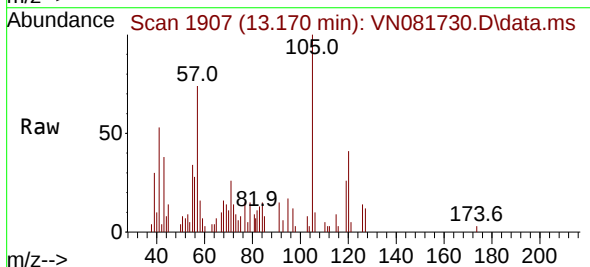


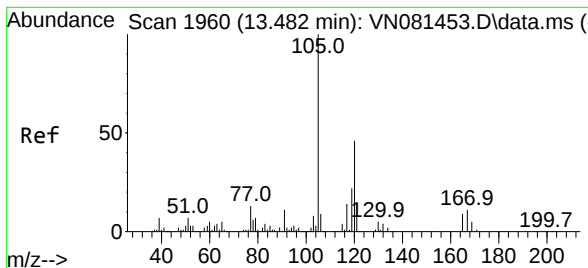
Tgt Ion:105 Resp: 14569
Ion Ratio Lower Upper
105 100
120 31.5 12.6 37.6



#80
1,3,5-Trimethylbenzene
Concen: 0.491 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Tgt Ion:105 Resp: 9748
Ion Ratio Lower Upper
105 100
120 45.3 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 1.968 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081730.D

Acq: 12 Apr 2024 20:07

Instrument :

MSVOA_N

ClientSampleId :

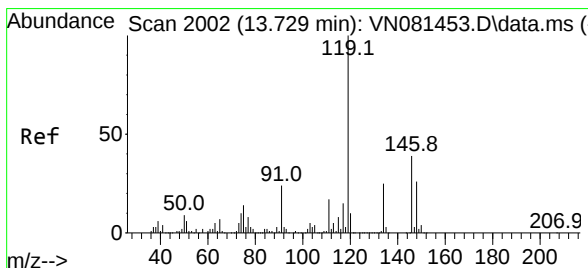
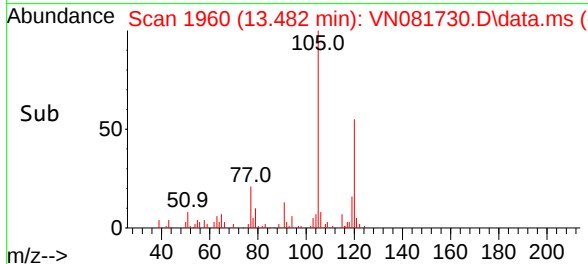
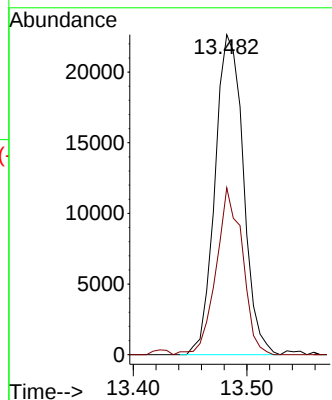
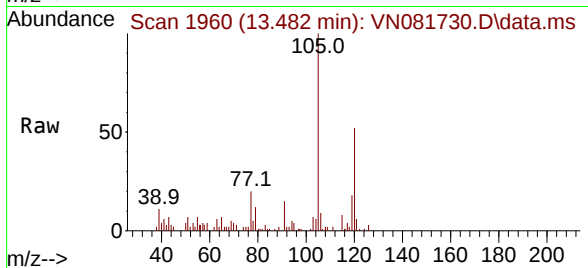
240410102-02-VOA

Tgt Ion:105 Resp: 39280

Ion Ratio Lower Upper

105 100

120 48.4 20.9 62.7



#86

p-Isopropyltoluene

Concen: 3.274 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081730.D

Acq: 12 Apr 2024 20:07

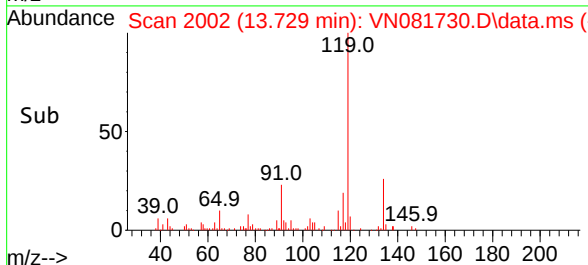
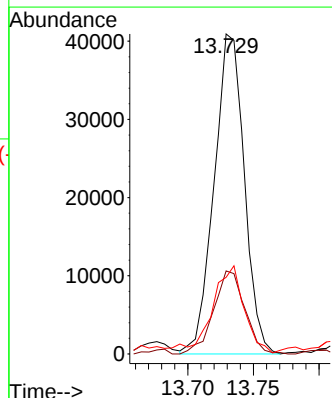
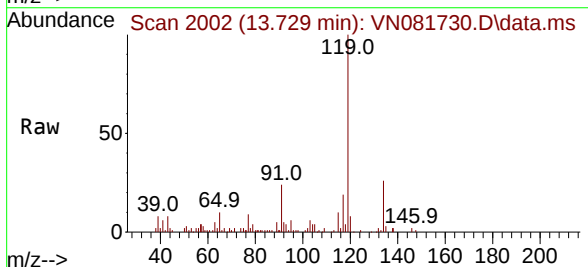
Tgt Ion:119 Resp: 65525

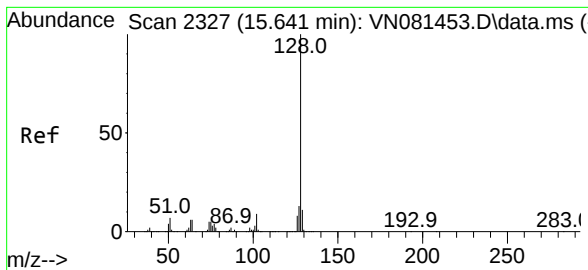
Ion Ratio Lower Upper

119 100

134 26.9 12.4 37.2

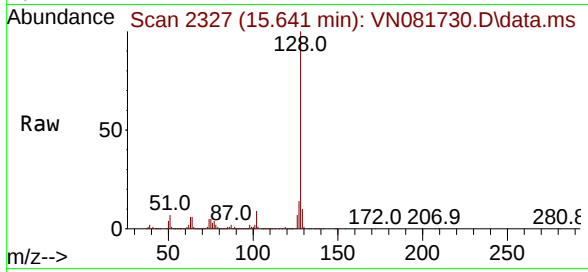
91 28.7 13.5 40.4





#95
Naphthalene
Concen: 25.754 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081730.D
Acq: 12 Apr 2024 20:07

Instrument :
MSVOA_N
ClientSampleId :
240410102-02-VOA



Tgt Ion:128 Resp: 506789
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.6 8.7 13.1

