

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075712.D
 Acq On : 12 Dec 2022 14:53
 Operator : JC\MD
 Sample : N5906-12DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6RDL

Quant Time: Dec 13 01:33:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

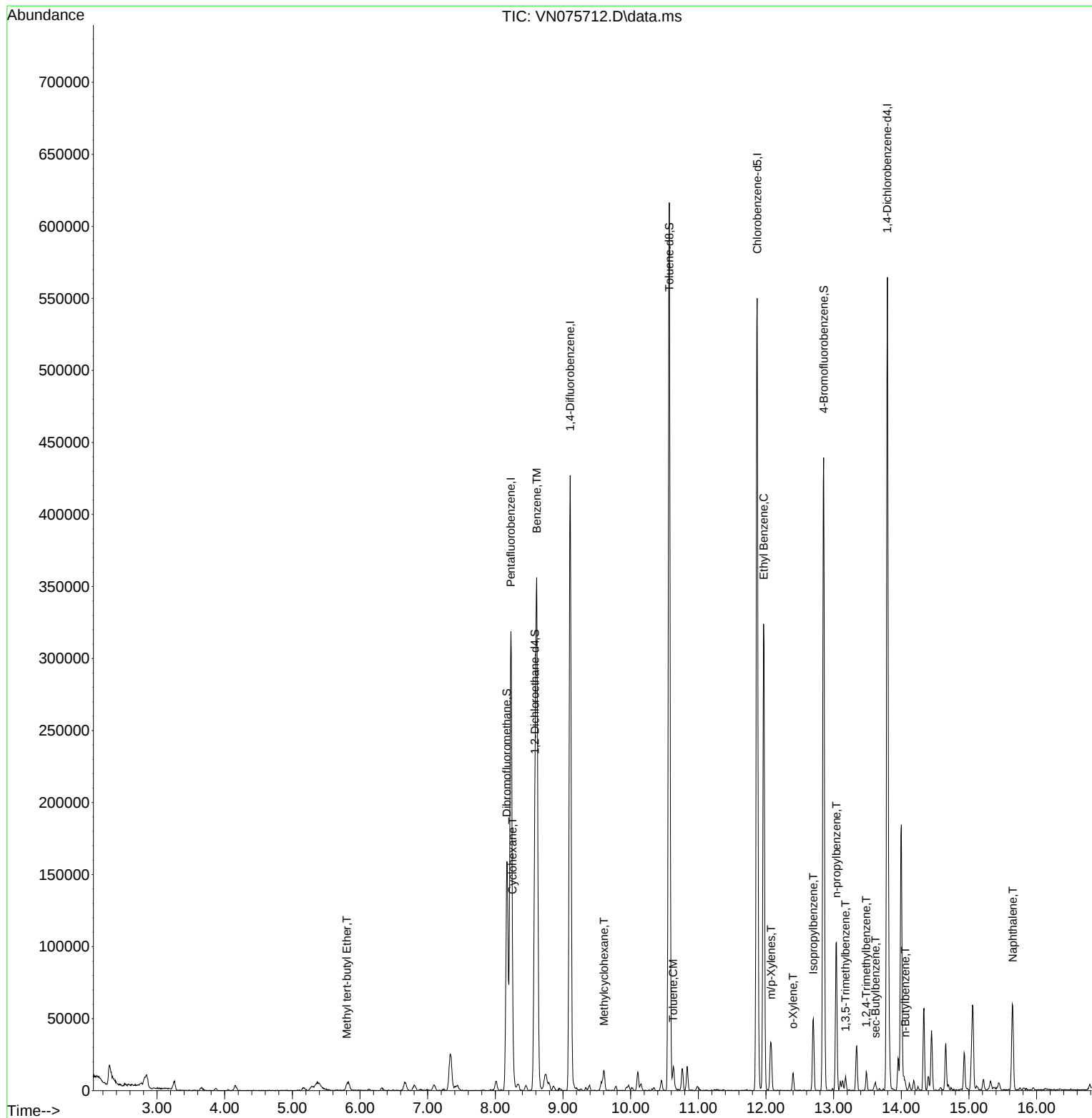
Internal Standards						
1) Pentafluorobenzene	8.230	168	248463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	384502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	338776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	161120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124320	47.158	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.320%
35) Dibromofluoromethane	8.171	113	112959	48.152	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.300%
50) Toluene-d8	10.571	98	440941	50.051	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.853	95	149063	49.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.980%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.806	73	2653	0.371	ug/l #	1
31) Cyclohexane	8.253	56	12305	3.153	ug/l #	87
39) Methylcyclohexane	9.606	83	6240	1.580	ug/l	95
40) Benzene	8.612	78	344096	35.994	ug/l	99
52) Toluene	10.630	92	7025	1.112	ug/l	97
67) Ethyl Benzene	11.965	91	247014	20.948	ug/l	98
68) m/p-Xylenes	12.076	106	13010	2.731	ug/l	94
69) o-Xylene	12.400	106	3677	0.795	ug/l	98
73) Isopropylbenzene	12.700	105	35990	3.111	ug/l	96
78) n-propylbenzene	13.041	91	84383	6.573	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	5272	0.545	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	7576	0.779	ug/l	90
85) sec-Butylbenzene	13.618	105	3757	0.312	ug/l #	77
89) n-Butylbenzene	14.059	91	3555	0.440	ug/l #	75
95) Naphthalene	15.647	128	58628	7.632	ug/l	99

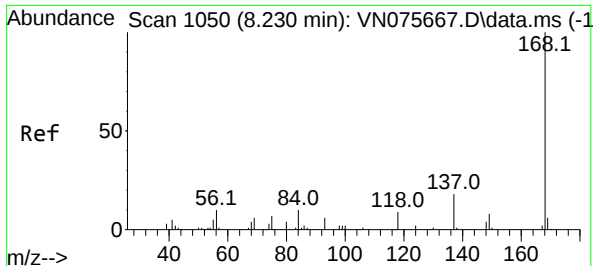
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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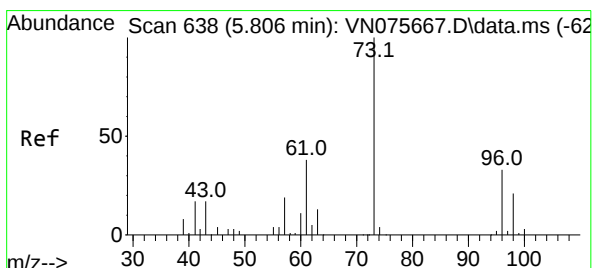
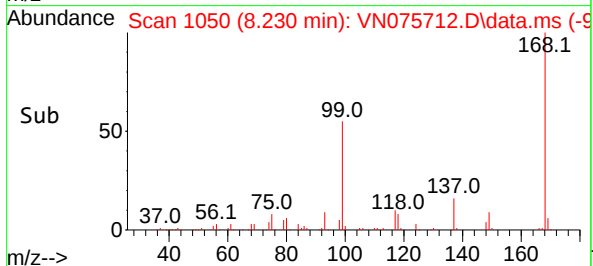
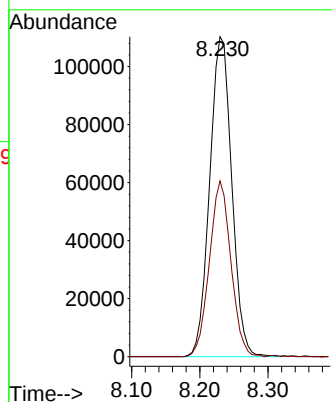
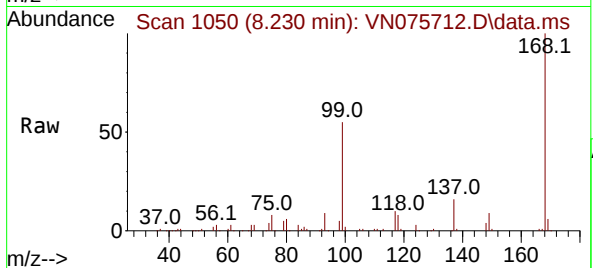




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

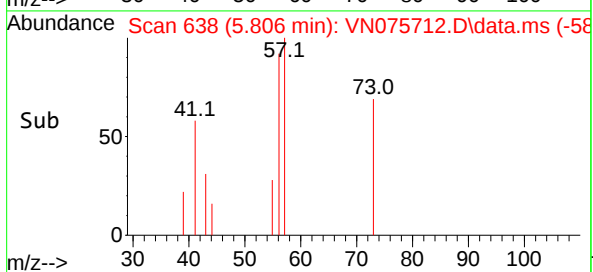
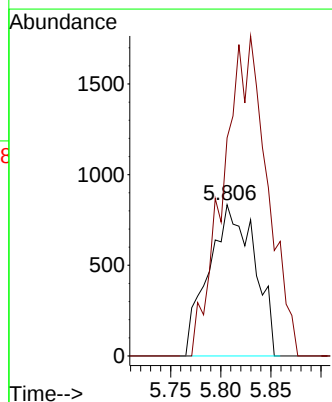
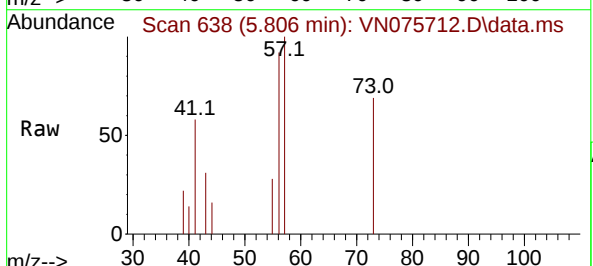
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

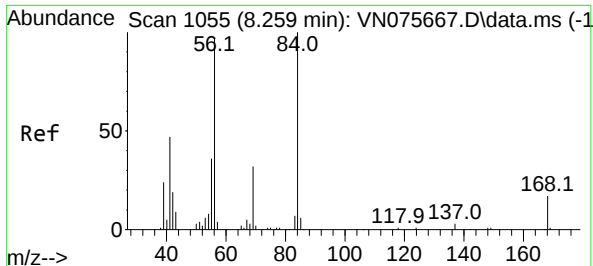
Tgt Ion:168 Resp: 248463
Ion Ratio Lower Upper
168 100
99 54.9 41.2 61.8



#19
Methyl tert-butyl Ether
Concen: 0.371 ug/l
RT: 5.806 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

Tgt Ion: 73 Resp: 2653
Ion Ratio Lower Upper
73 100
57 144.2 15.1 22.7#





#31

Cyclohexane

Concen: 3.153 ug/l

RT: 8.253 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

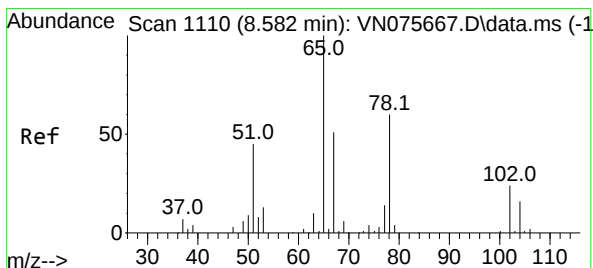
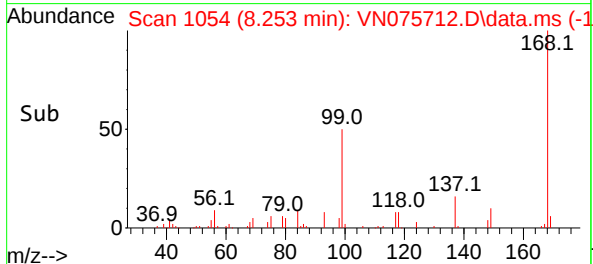
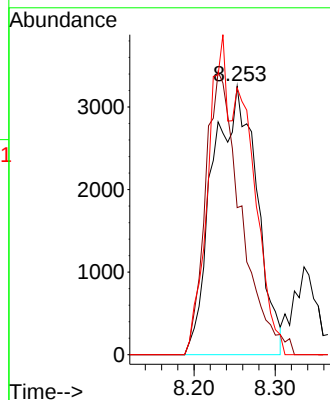
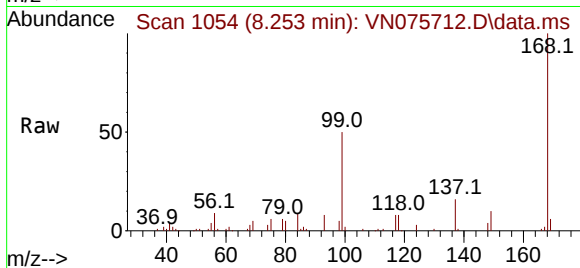
Tgt Ion: 56 Resp: 12305

Ion Ratio Lower Upper

56 100

69 54.8 26.2 39.2#

84 99.4 82.8 124.2



#33

1,2-Dichloroethane-d4

Concen: 47.158 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075712.D

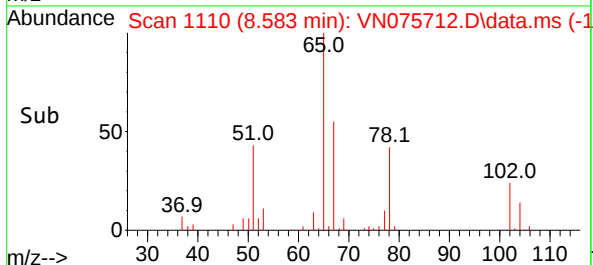
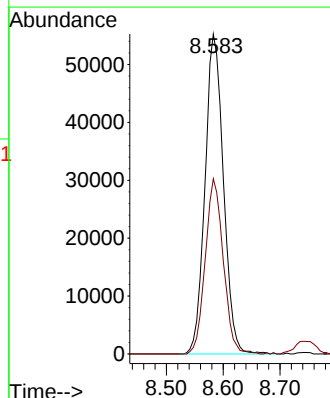
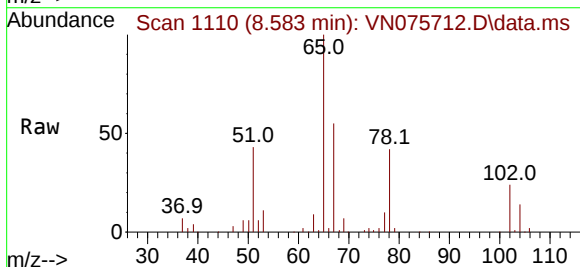
Acq: 12 Dec 2022 14:53

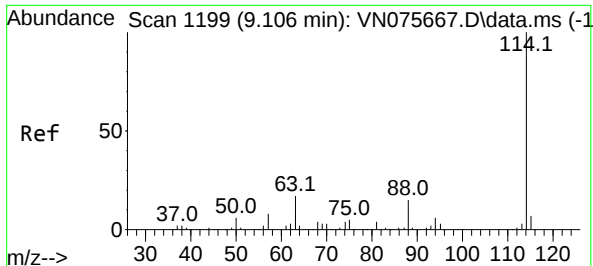
Tgt Ion: 65 Resp: 124320

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

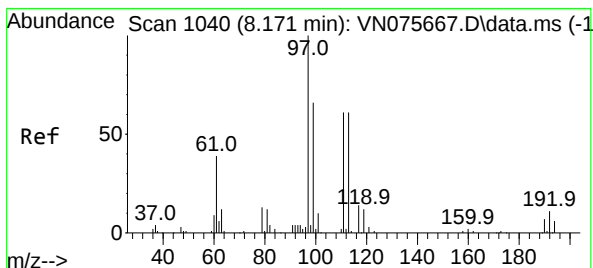
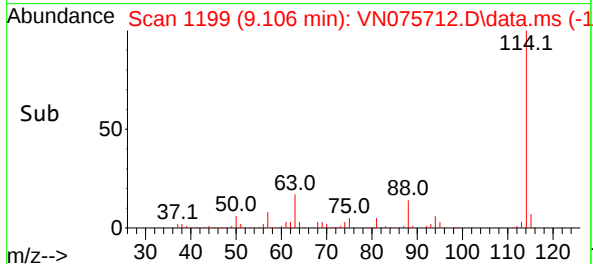
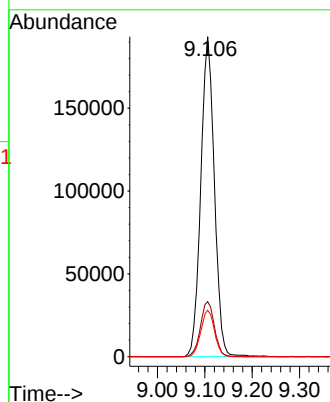
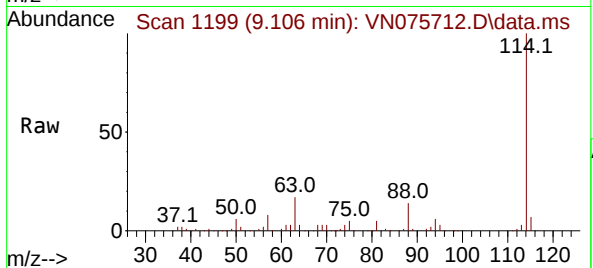
Tgt Ion:114 Resp: 384502

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 48.152 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

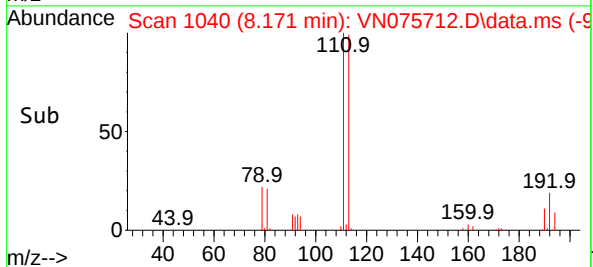
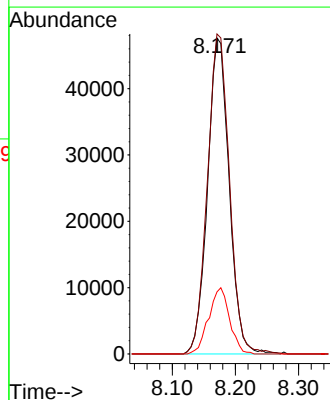
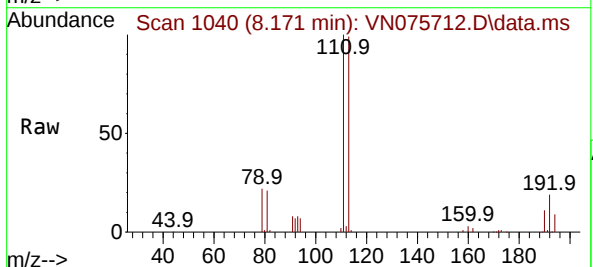
Tgt Ion:113 Resp: 112959

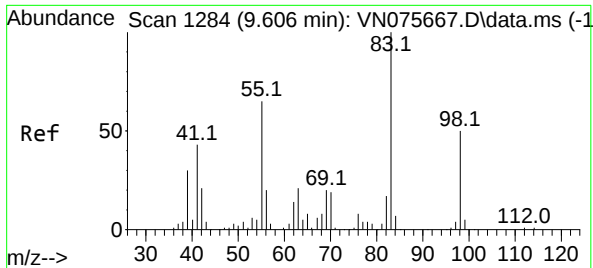
Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.6

192 20.3 16.2 24.2





#39

Methylcyclohexane

Concen: 1.580 ug/l

RT: 9.606 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

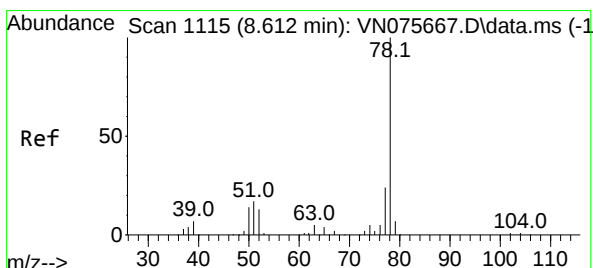
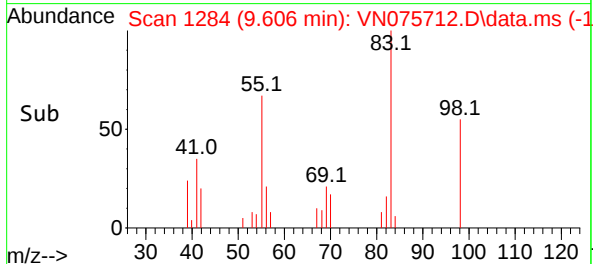
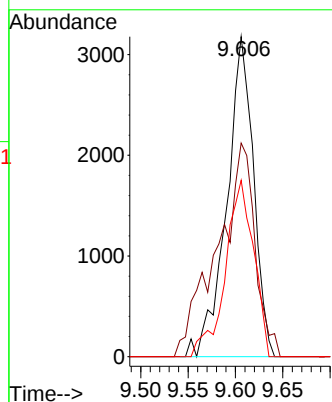
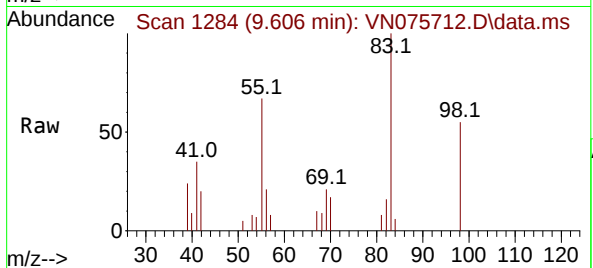
Tgt Ion: 83 Resp: 6240

Ion Ratio Lower Upper

83 100

55 66.8 51.6 77.4

98 55.1 39.8 59.8



#40

Benzene

Concen: 35.994 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075712.D

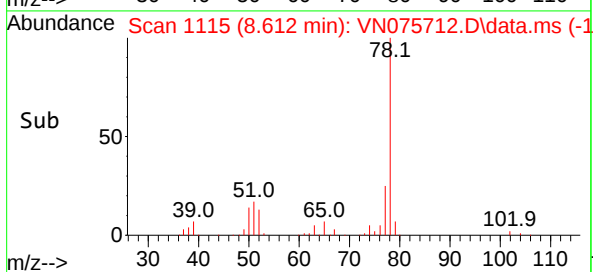
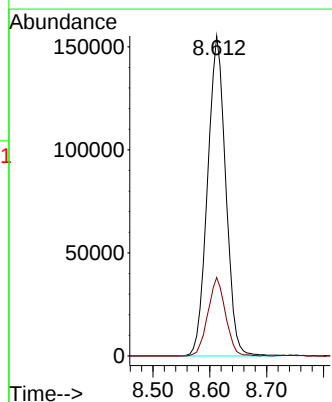
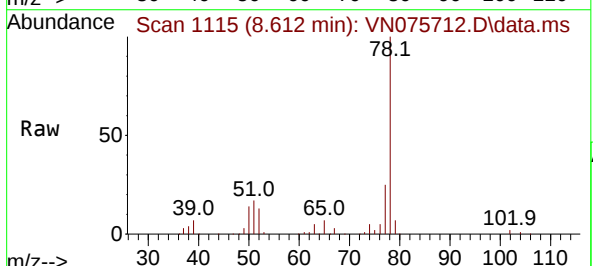
Acq: 12 Dec 2022 14:53

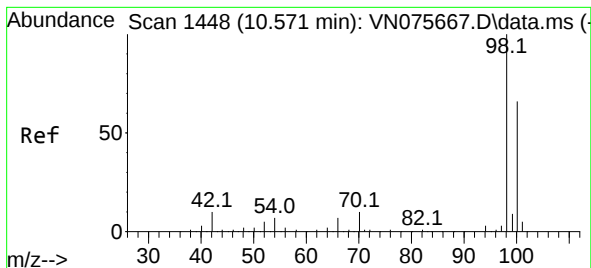
Tgt Ion: 78 Resp: 344096

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7





#50

Toluene-d8

Concen: 50.051 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

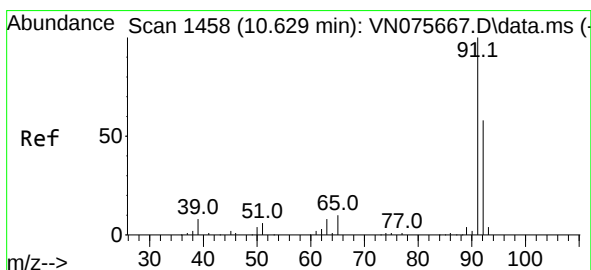
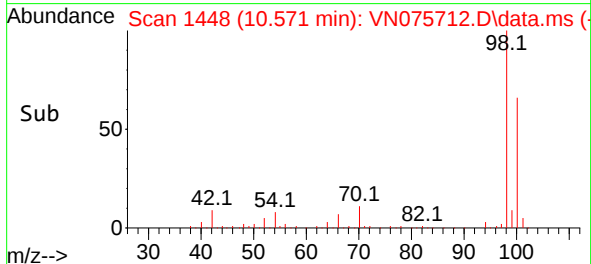
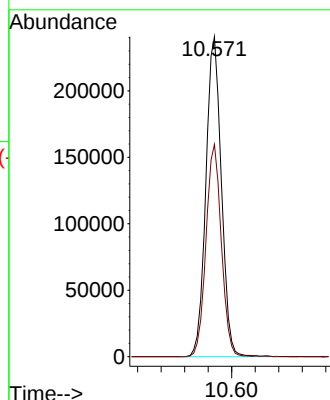
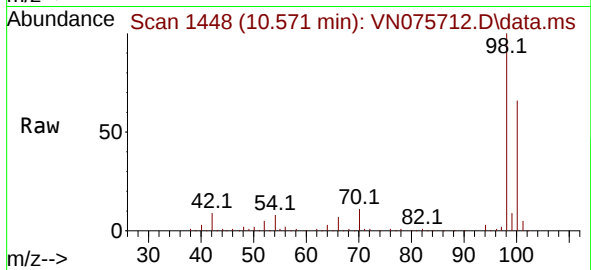
MW-6RDL

Tgt Ion: 98 Resp: 440941

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#52

Toluene

Concen: 1.112 ug/l

RT: 10.630 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VN075712.D

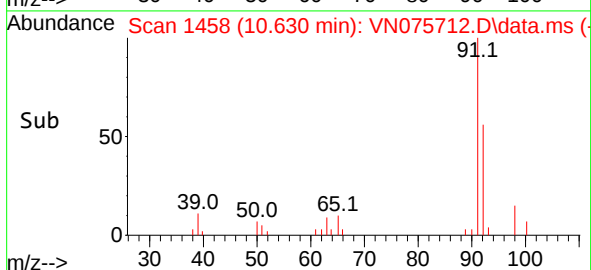
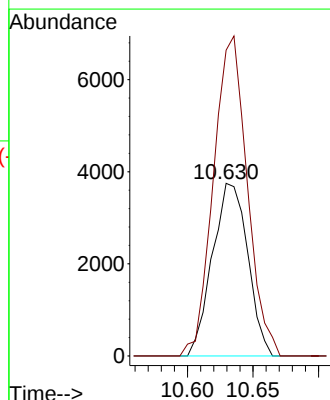
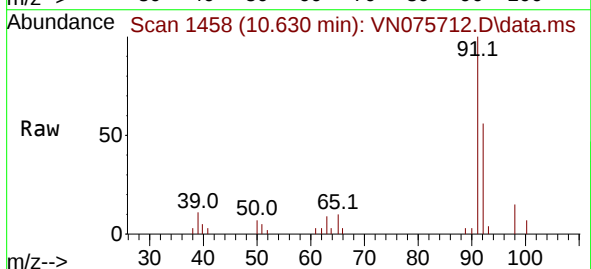
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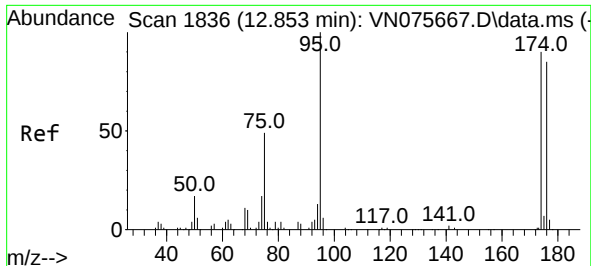
Tgt Ion: 92 Resp: 7025

Ion Ratio Lower Upper

92 100

91 177.0 137.9 206.9

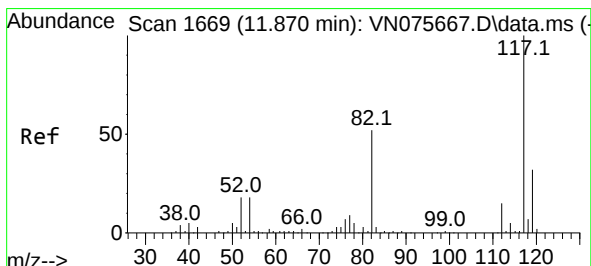
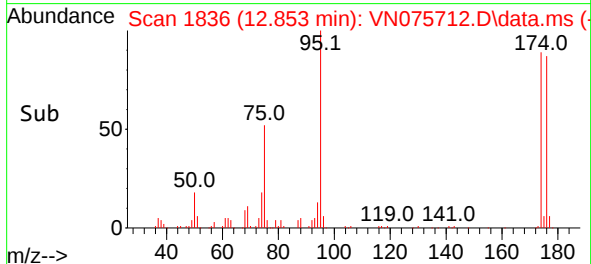
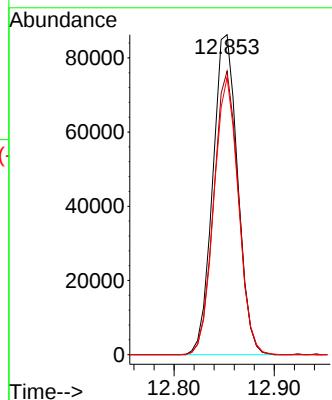
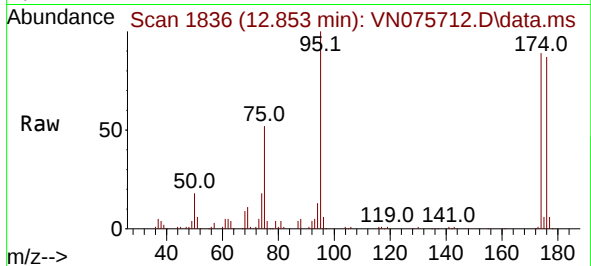




#62
4-Bromofluorobenzene
Concen: 49.487 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

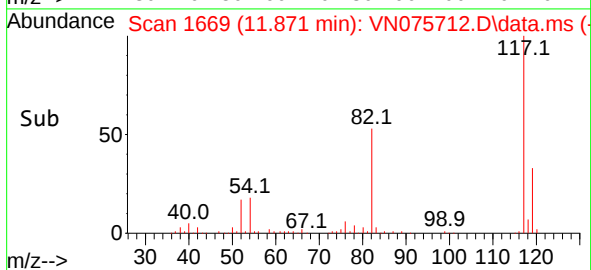
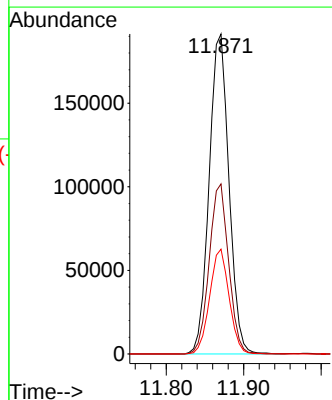
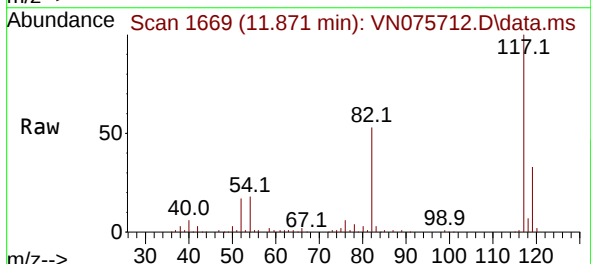
Instrument :
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MW-6RDL

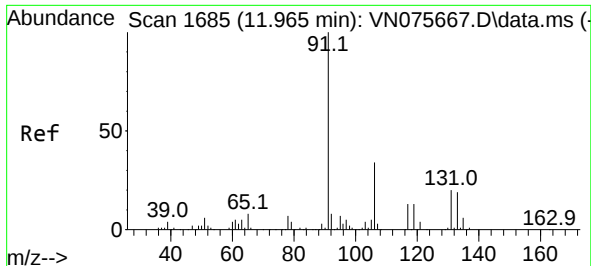
Tgt Ion: 95 Resp: 149063
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.6
176 85.0 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

Tgt Ion: 117 Resp: 338776
Ion Ratio Lower Upper
117 100
82 53.2 41.8 62.8
119 32.7 25.8 38.6





#67

Ethyl Benzene

Concen: 20.948 ug/l

RT: 11.965 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

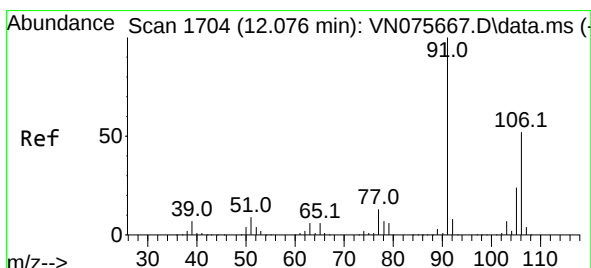
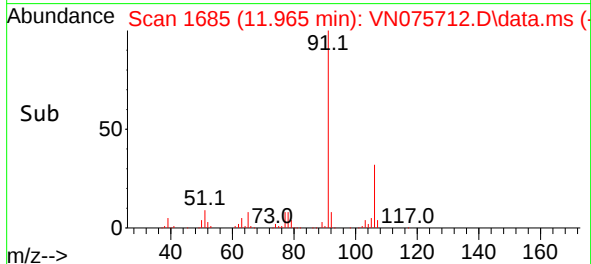
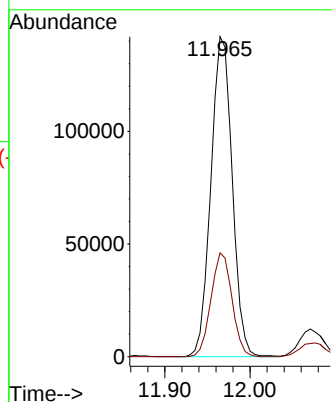
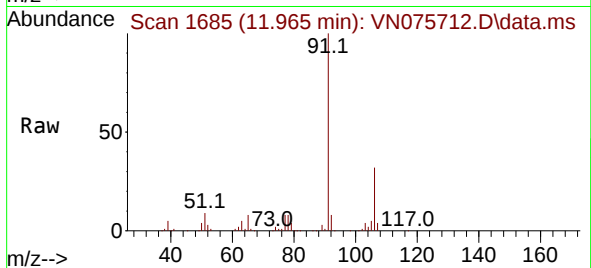
MW-6RDL

Tgt Ion: 91 Resp: 247014

Ion Ratio Lower Upper

91 100

106 32.5 26.9 40.3



#68

m/p-Xylenes

Concen: 2.731 ug/l

RT: 12.076 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VN075712.D

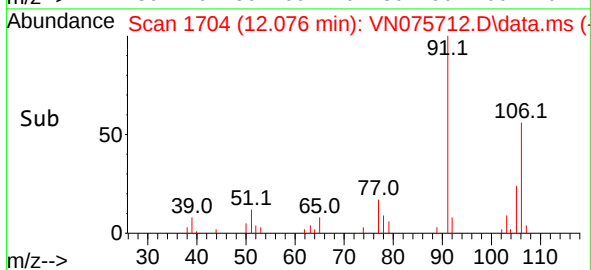
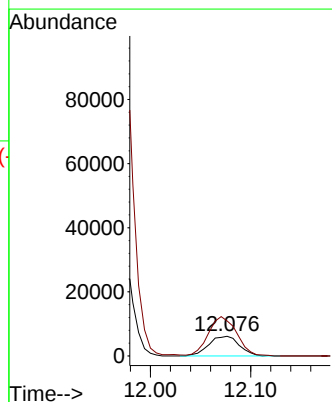
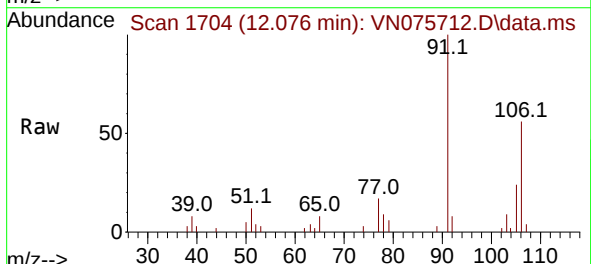
Acq: 12 Dec 2022 14:53

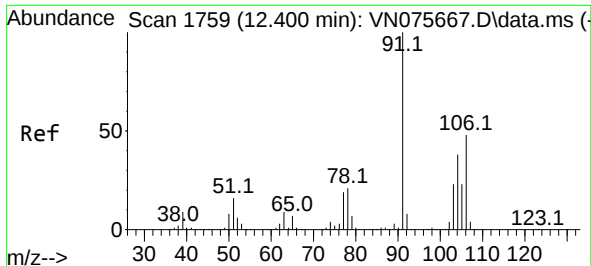
Tgt Ion:106 Resp: 13010

Ion Ratio Lower Upper

106 100

91 185.7 156.2 234.4

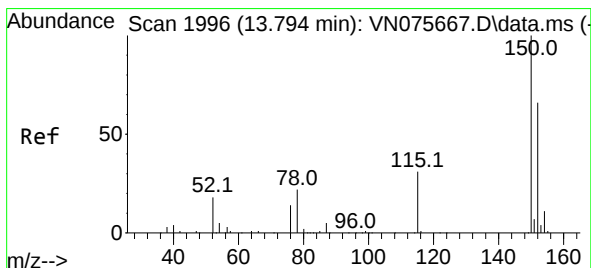
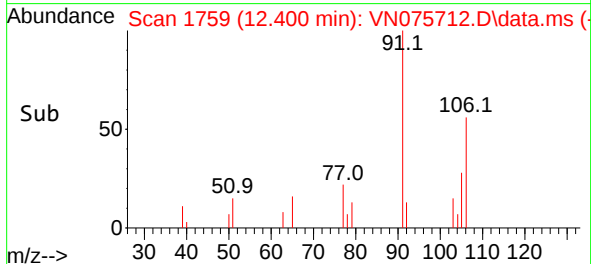
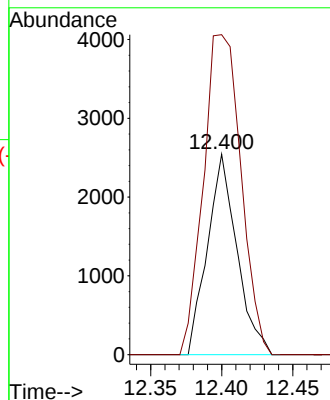
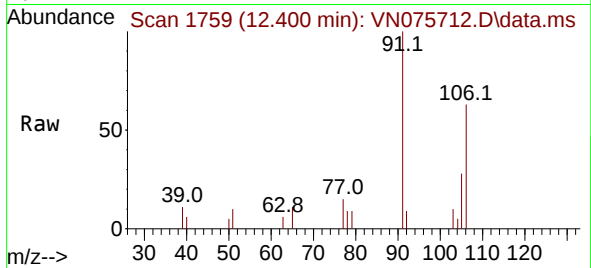




#69
o-Xylene
Concen: 0.795 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

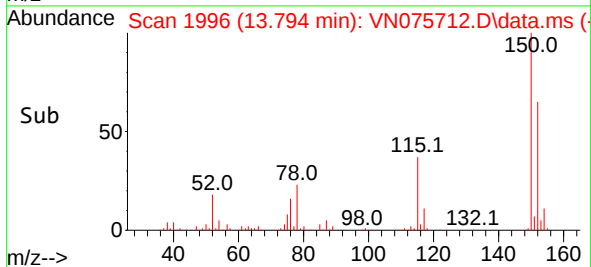
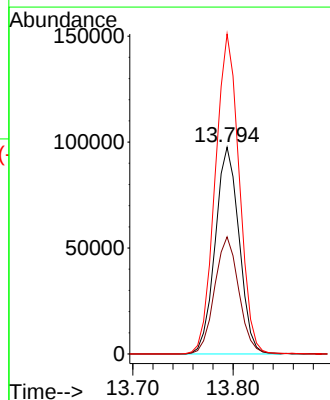
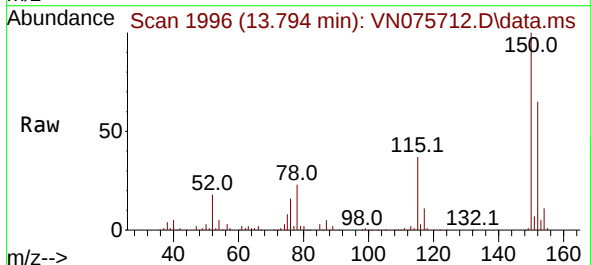
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

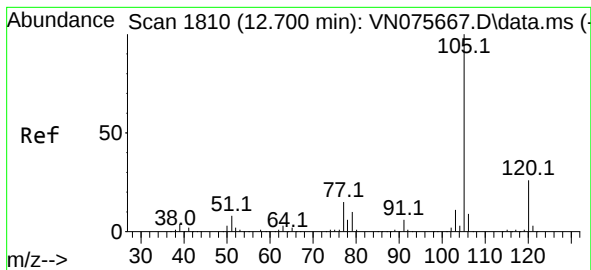
Tgt Ion:106 Resp: 3677
Ion Ratio Lower Upper
106 100
91 203.3 102.8 308.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

Tgt Ion:152 Resp: 161120
Ion Ratio Lower Upper
152 100
115 57.8 28.4 85.2
150 155.9 0.0 347.6





#73

Isopropylbenzene

Concen: 3.111 ug/l

RT: 12.700 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VN075712.D

Acq: 12 Dec 2022 14:53

Instrument :

MSVOA_N

ClientSampleId :

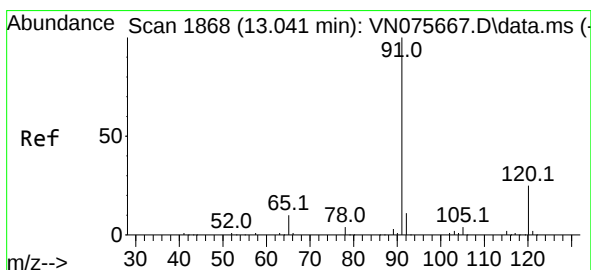
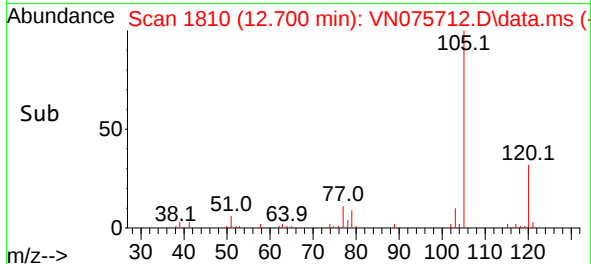
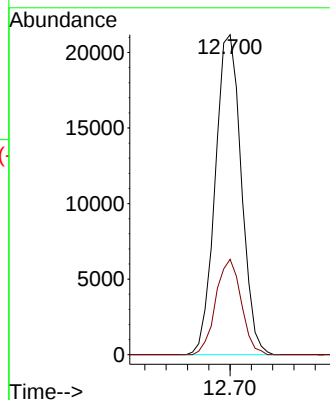
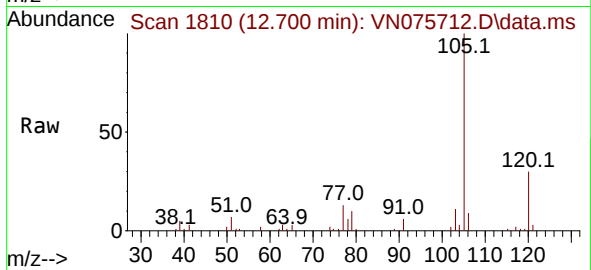
MW-6RDL

Tgt Ion:105 Resp: 35990

Ion Ratio Lower Upper

105 100

120 29.1 13.4 40.2



#78

n-propylbenzene

Concen: 6.573 ug/l

RT: 13.041 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN075712.D

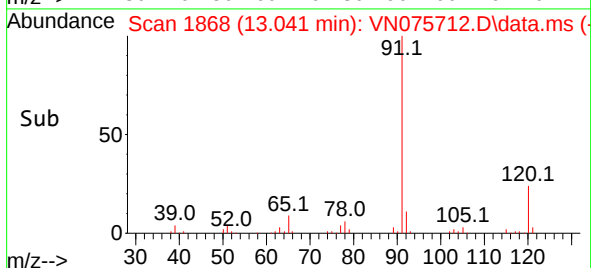
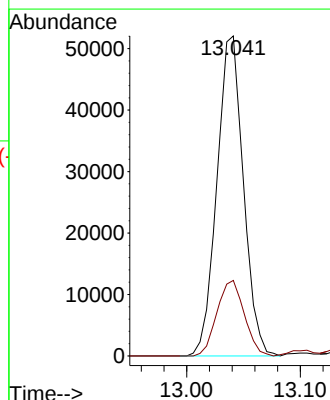
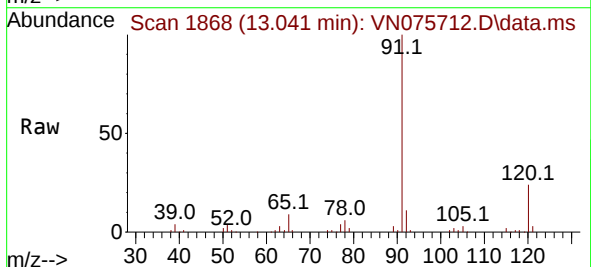
Acq: 12 Dec 2022 14:53

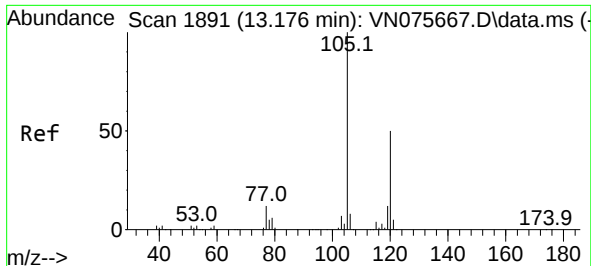
Tgt Ion: 91 Resp: 84383

Ion Ratio Lower Upper

91 100

120 24.3 12.1 36.3

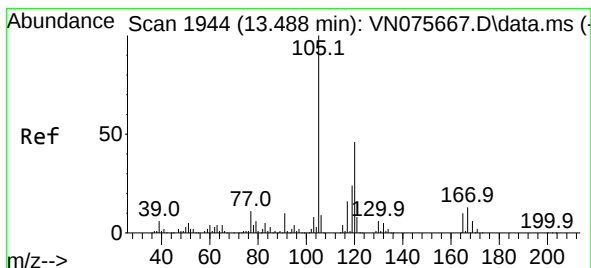
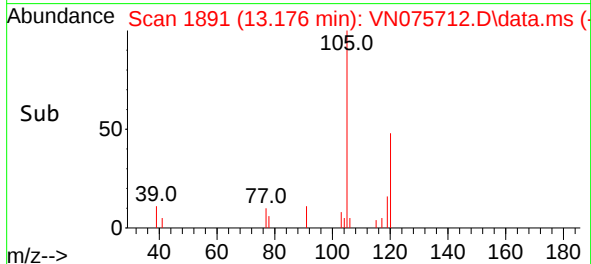
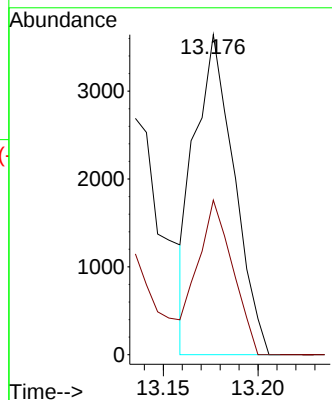
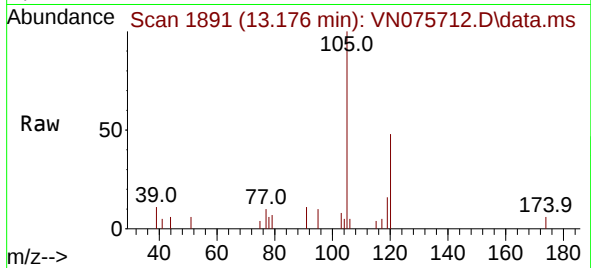




#80
1,3,5-Trimethylbenzene
Concen: 0.545 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

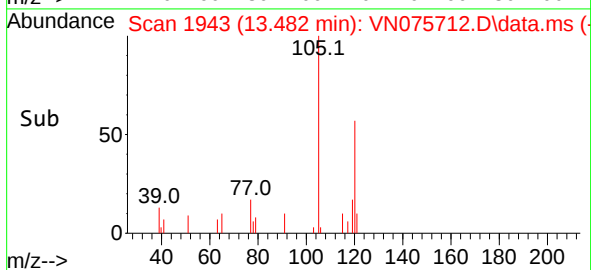
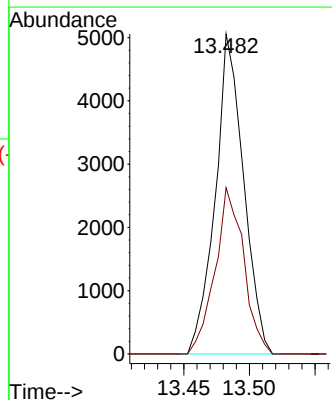
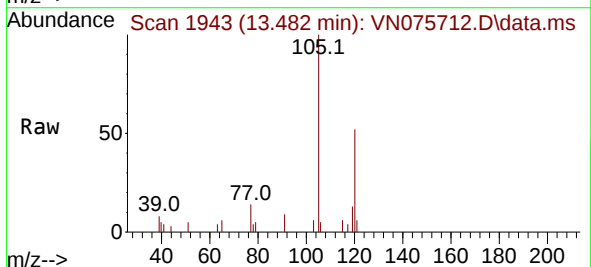
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

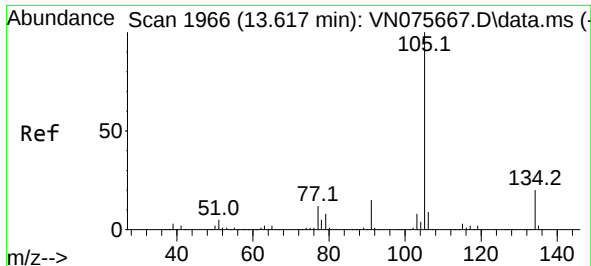
Tgt Ion:105 Resp: 5272
Ion Ratio Lower Upper
105 100
120 42.8 24.9 74.6



#84
1,2,4-Trimethylbenzene
Concen: 0.779 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.006 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

Tgt Ion:105 Resp: 7576
Ion Ratio Lower Upper
105 100
120 52.5 23.1 69.2

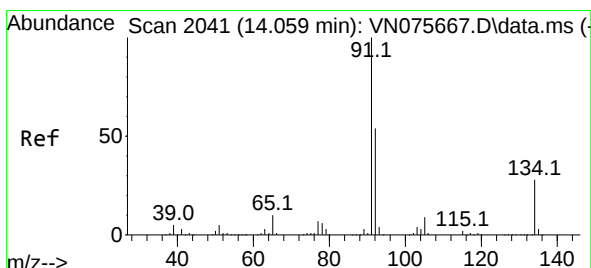
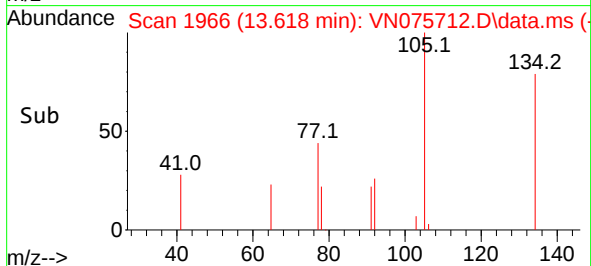
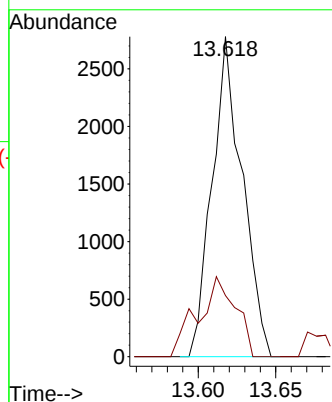
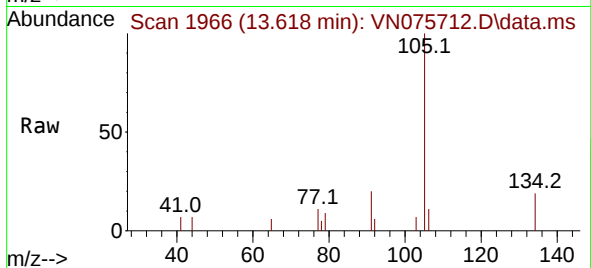




#85
 sec-Butylbenzene
 Concen: 0.312 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075712.D
 Acq: 12 Dec 2022 14:53

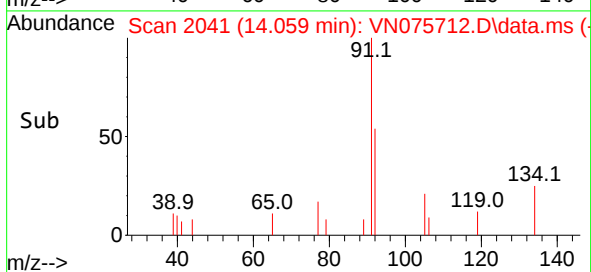
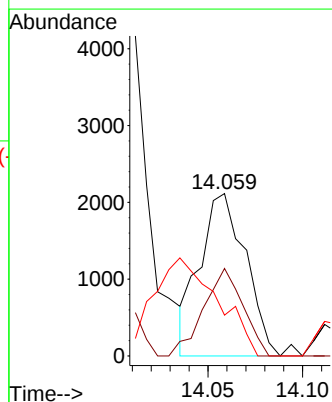
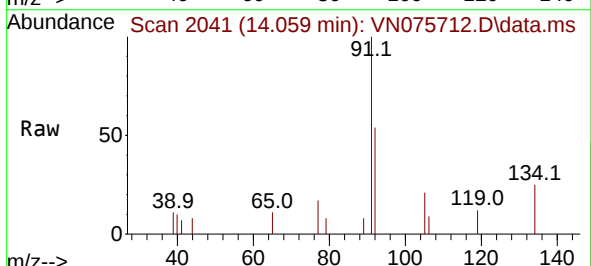
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6RDL

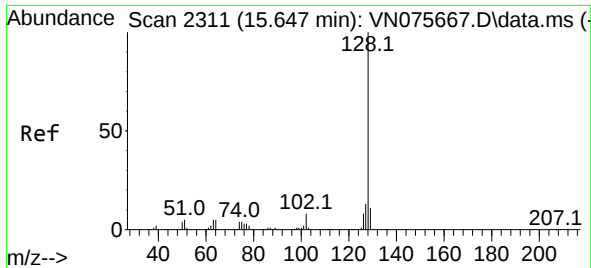
Tgt Ion:105 Resp: 3757
 Ion Ratio Lower Upper
 105 100
 134 31.2 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 0.440 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN075712.D
 Acq: 12 Dec 2022 14:53

Tgt Ion: 91 Resp: 3555
 Ion Ratio Lower Upper
 91 100
 92 46.5 26.7 80.1
 134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 7.632 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075712.D
Acq: 12 Dec 2022 14:53

Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.5	8.4	12.6

