

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075675.D
 Acq On : 09 Dec 2022 18:31
 Operator : JC\MD
 Sample : N5906-12DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6RDL

Quant Time: Dec 12 03:11:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

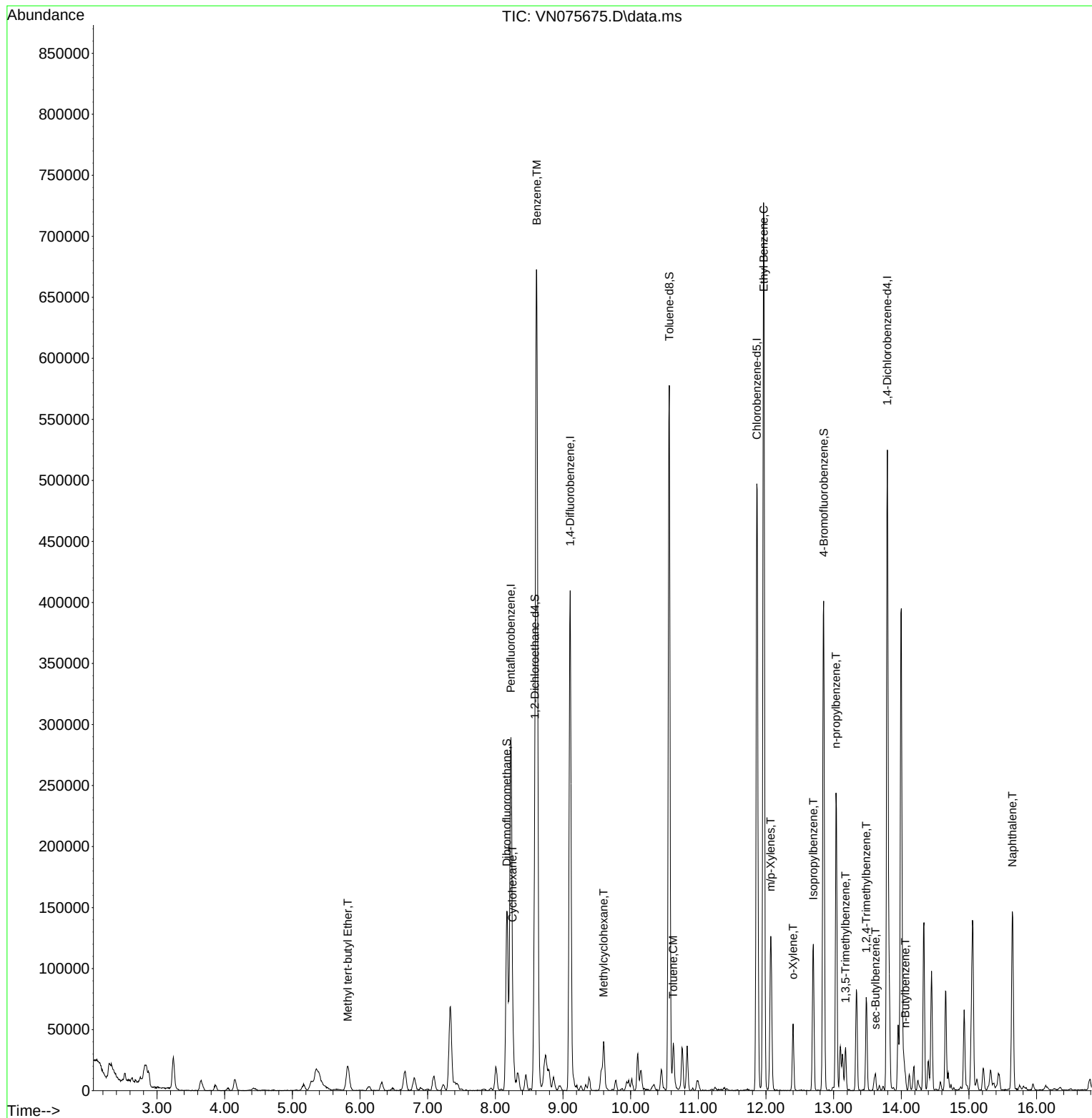
Internal Standards						
1) Pentafluorobenzene	8.230	168	223869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	361799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	151258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122097	51.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.800%			
35) Dibromofluoromethane	8.171	113	108405	49.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.220%			
50) Toluene-d8	10.571	98	416912	50.293	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.853	95	138375	48.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.640%			
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	5.818	73	6465	1.002	ug/l #	1
31) Cyclohexane	8.253	56	21370	6.076	ug/l #	85
39) Methylcyclohexane	9.600	83	18610	5.007	ug/l	92
40) Benzene	8.612	78	717040	79.713	ug/l	100
52) Toluene	10.630	92	17203	2.893	ug/l	99
67) Ethyl Benzene	11.965	91	559609	50.283	ug/l	98
68) m/p-Xylenes	12.071	106	45658	10.153	ug/l	100
69) o-Xylene	12.400	106	15481	3.548	ug/l	100
73) Isopropylbenzene	12.700	105	86475	7.962	ug/l	99
78) n-propylbenzene	13.035	91	198010	16.430	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	19272	2.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	45731	5.011	ug/l	97
85) sec-Butylbenzene	13.618	105	9071	0.801	ug/l #	68
89) n-Butylbenzene	14.059	91	9242	1.217	ug/l #	74
95) Naphthalene	15.641	128	144873	20.088	ug/l	99

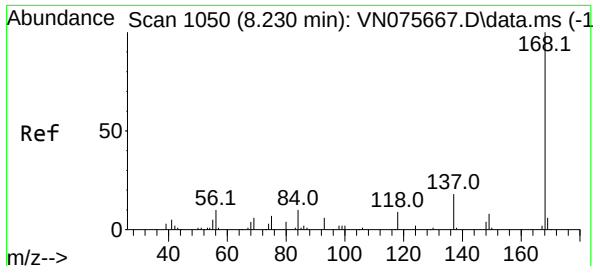
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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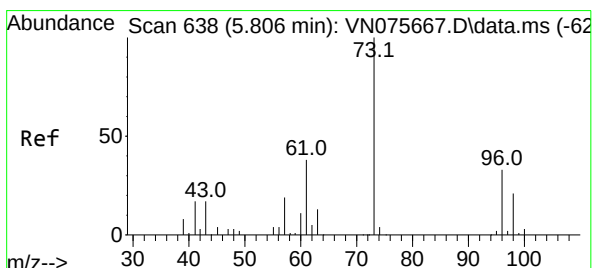
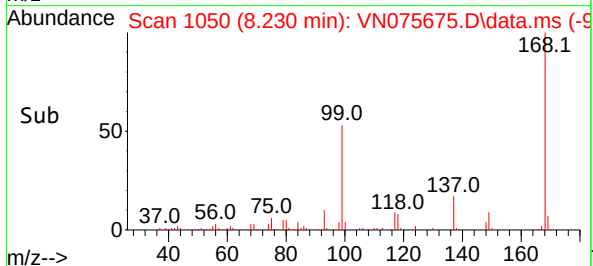
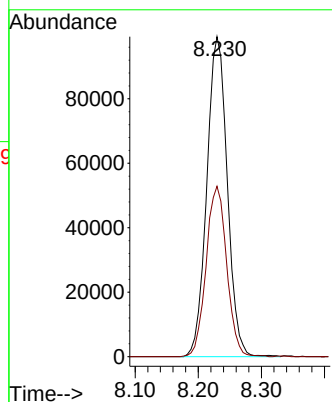
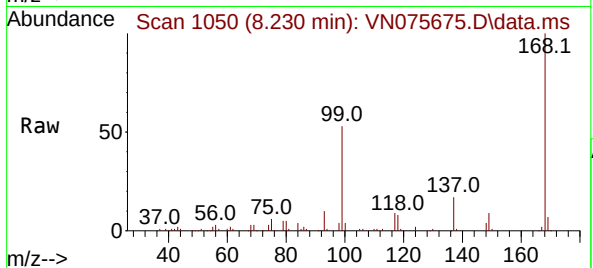




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

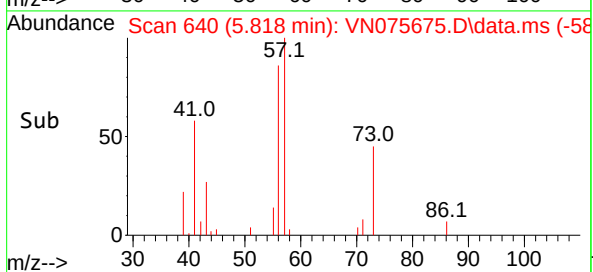
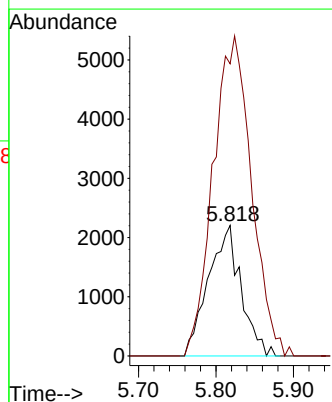
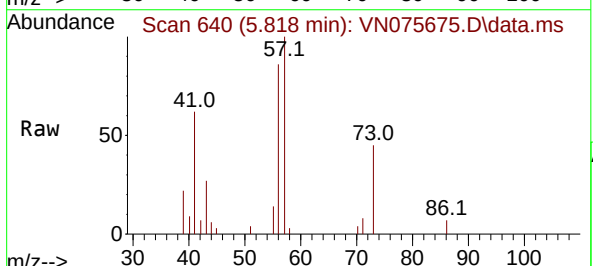
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

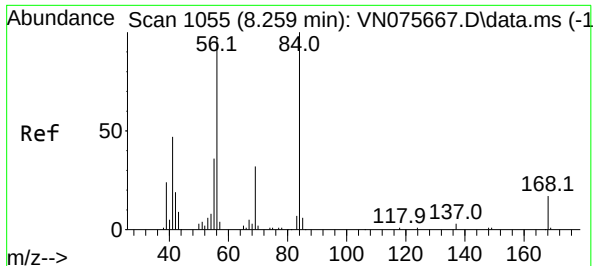
Tgt Ion:168 Resp: 223869
Ion Ratio Lower Upper
168 100
99 53.2 41.2 61.8



#19
Methyl tert-butyl Ether
Concen: 1.002 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

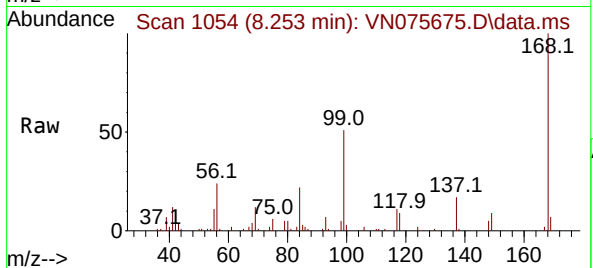
Tgt Ion: 73 Resp: 6465
Ion Ratio Lower Upper
73 100
57 223.9 15.1 22.7#



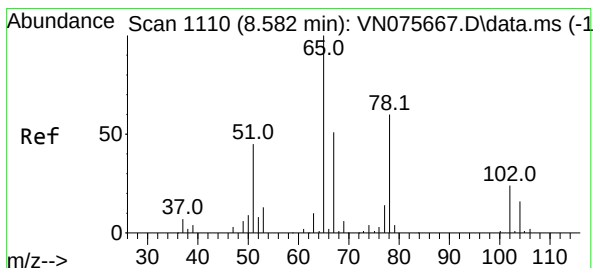
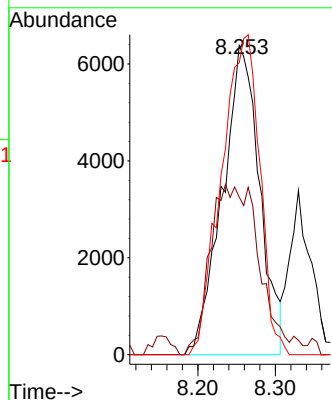
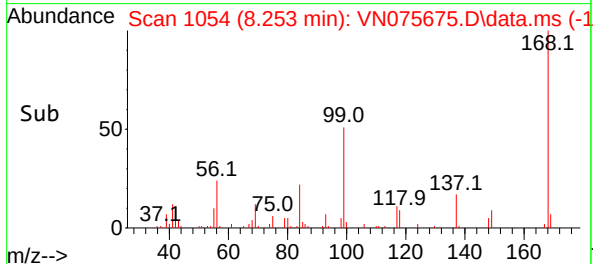


#31
Cyclohexane
Concen: 6.076 ug/l
RT: 8.253 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

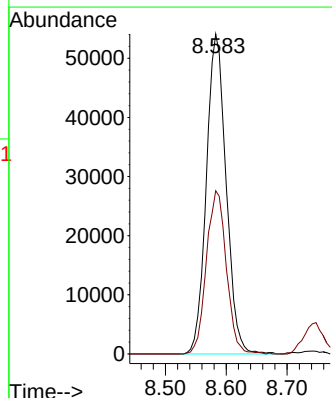
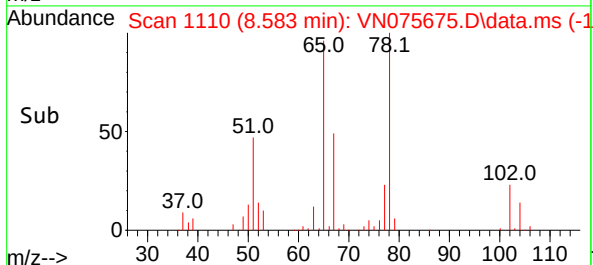
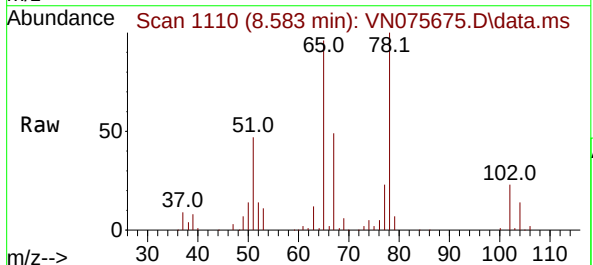


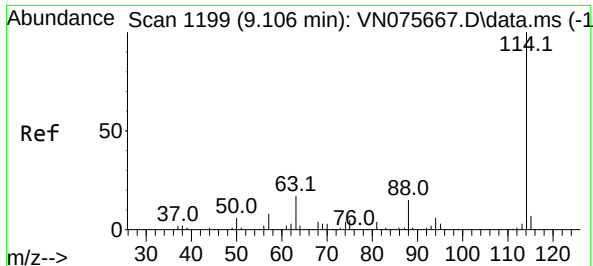
Tgt Ion: 56 Resp: 21370
Ion Ratio Lower Upper
56 100
69 51.0 26.2 39.2#
84 94.5 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 51.403 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Tgt Ion: 65 Resp: 122097
Ion Ratio Lower Upper
65 100
67 51.6 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: VN075675.D

Acq: 09 Dec 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

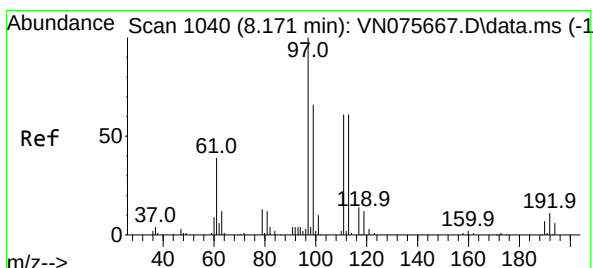
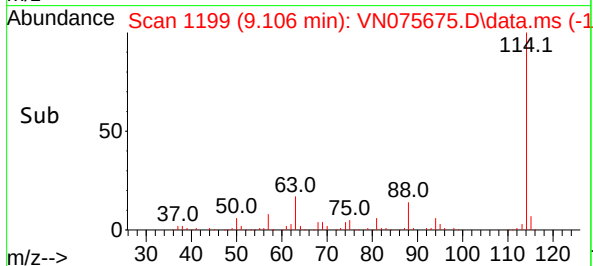
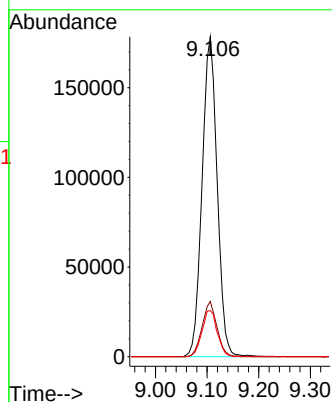
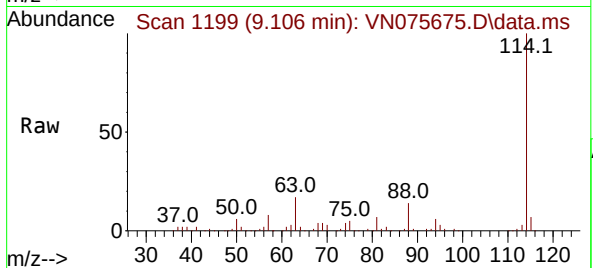
Tgt Ion:114 Resp: 361799

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 49.110 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075675.D

Acq: 09 Dec 2022 18:31

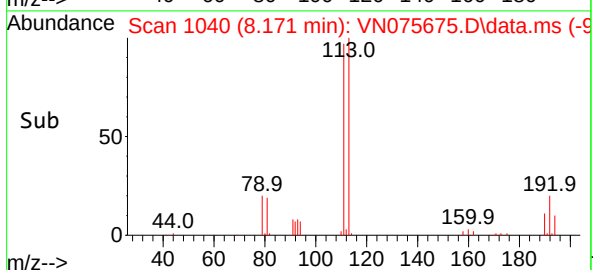
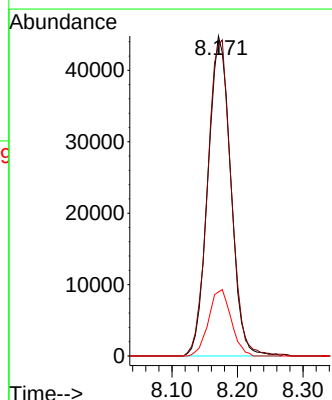
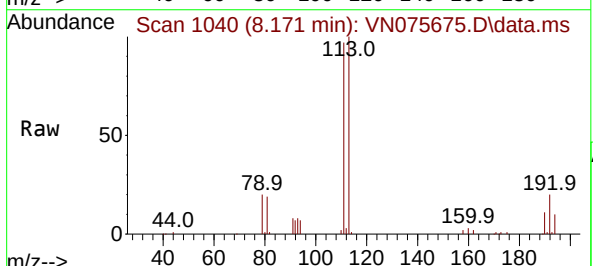
Tgt Ion:113 Resp: 108405

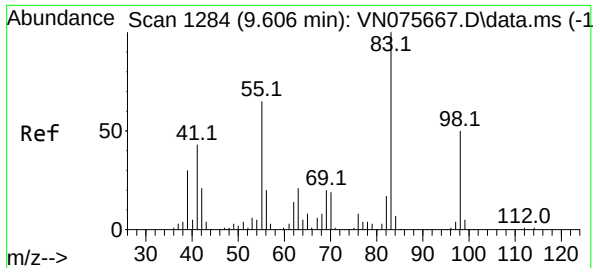
Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.6

192 20.5 16.2 24.2





#39

Methylcyclohexane

Concen: 5.007 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN075675.D

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Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

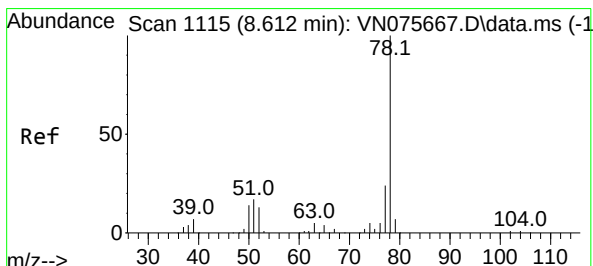
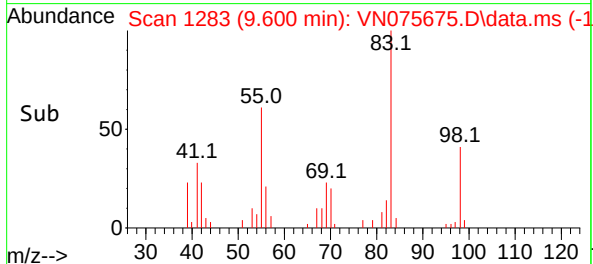
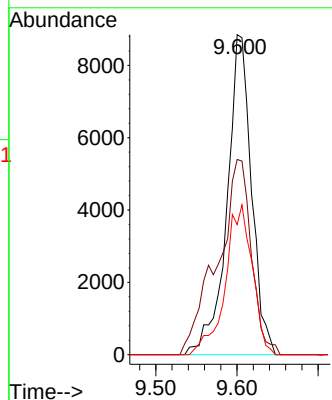
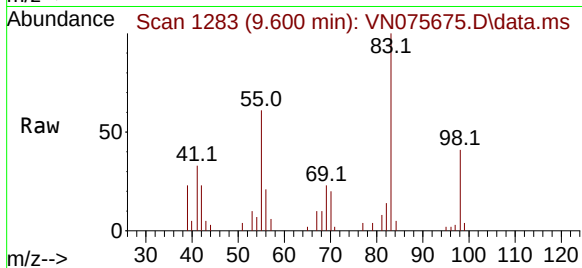
Tgt Ion: 83 Resp: 18610

Ion Ratio Lower Upper

83 100

55 61.0 51.6 77.4

98 40.7 39.8 59.8



#40

Benzene

Concen: 79.713 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. 0.000 min

Lab File: VN075675.D

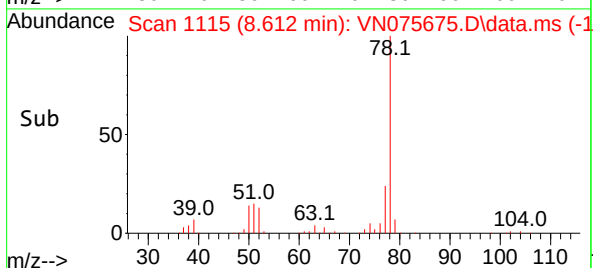
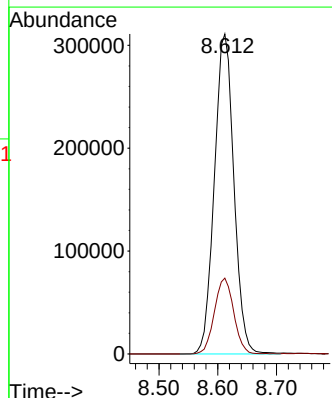
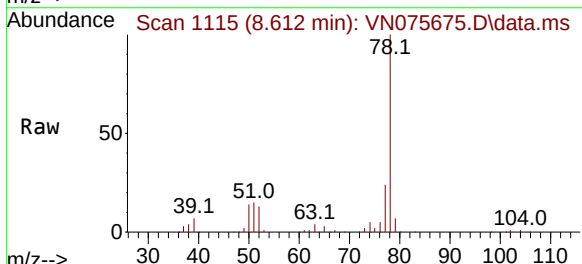
Acq: 09 Dec 2022 18:31

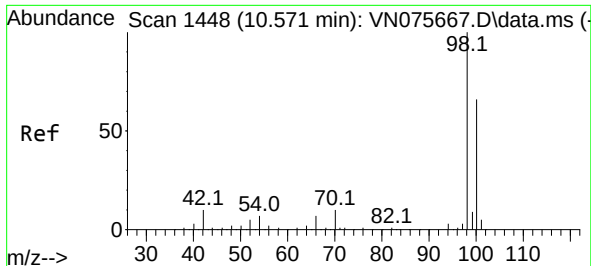
Tgt Ion: 78 Resp: 717040

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7





#50

Toluene-d8

Concen: 50.293 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075675.D

Acq: 09 Dec 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

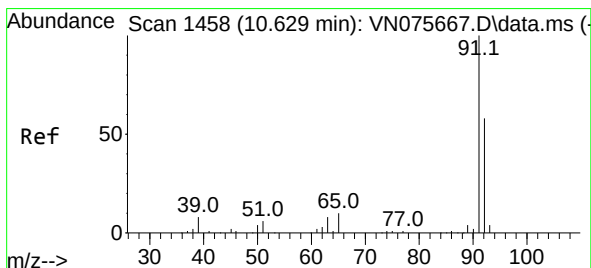
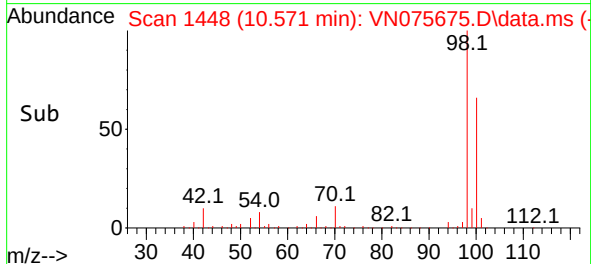
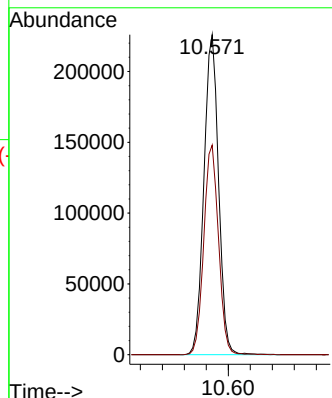
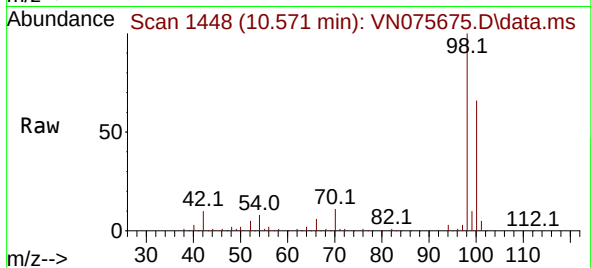
MW-6RDL

Tgt Ion: 98 Resp: 416912

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#52

Toluene

Concen: 2.893 ug/l

RT: 10.630 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VN075675.D

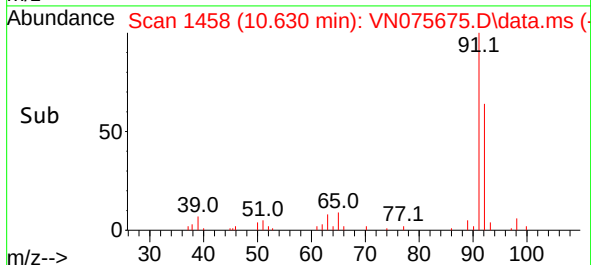
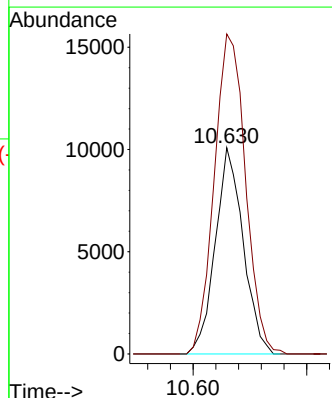
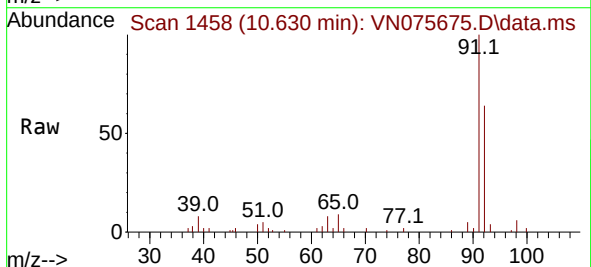
Acq: 09 Dec 2022 18:31

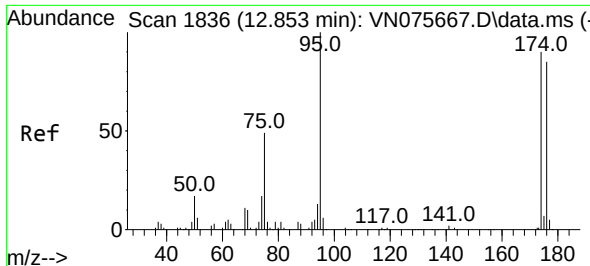
Tgt Ion: 92 Resp: 17203

Ion Ratio Lower Upper

92 100

91 173.6 137.9 206.9

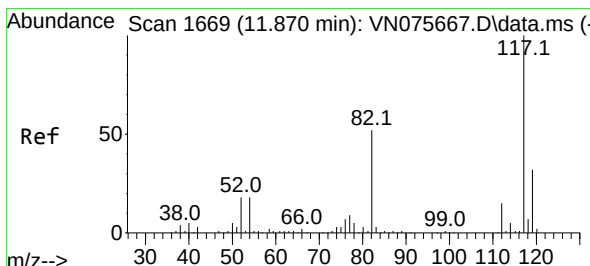
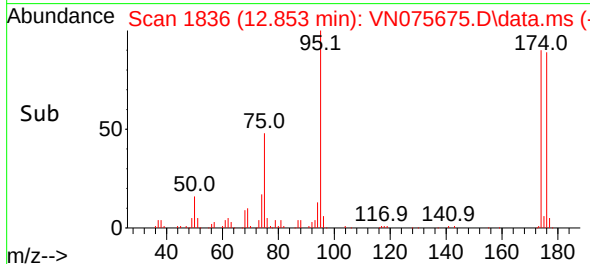
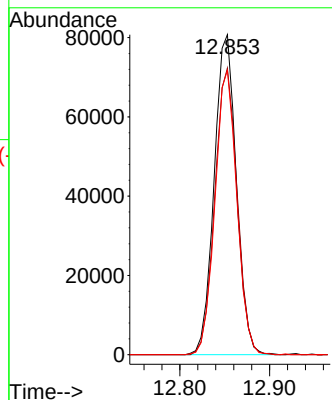
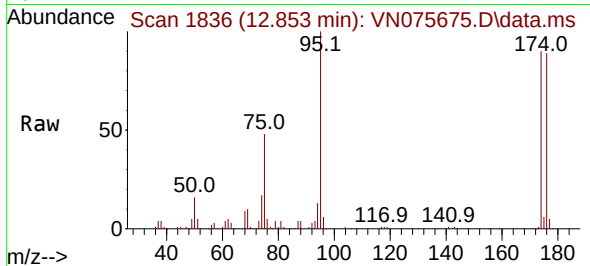




#62
4-Bromofluorobenzene
Concen: 48.821 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

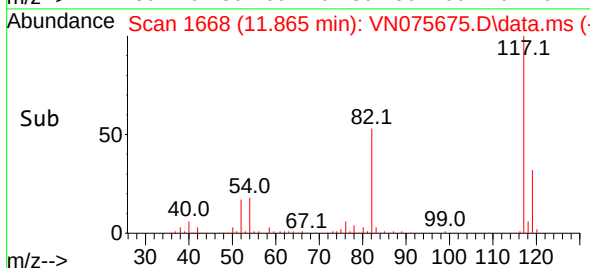
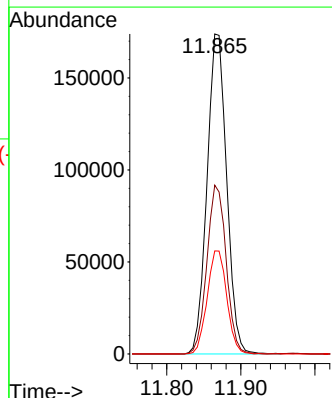
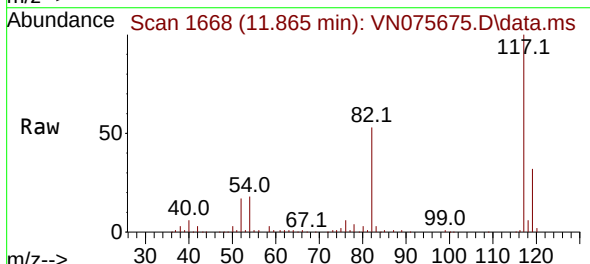
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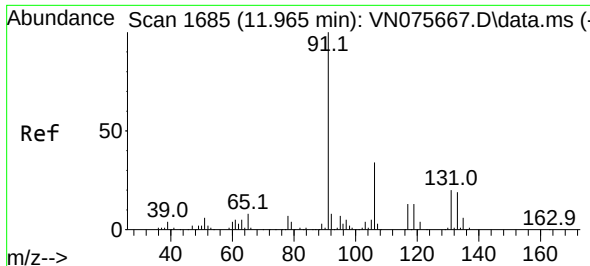
Tgt Ion: 95 Resp: 138375
Ion Ratio Lower Upper
95 100
174 90.5 0.0 178.6
176 87.5 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Tgt Ion: 117 Resp: 319736
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.2 25.8 38.6

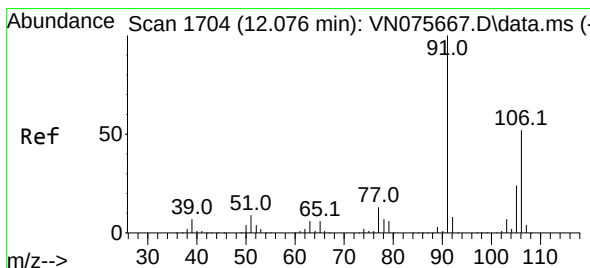
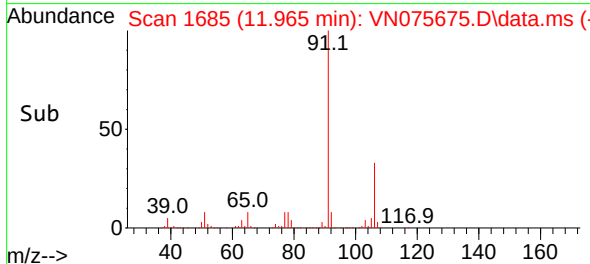
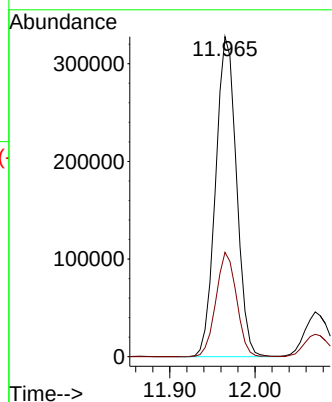
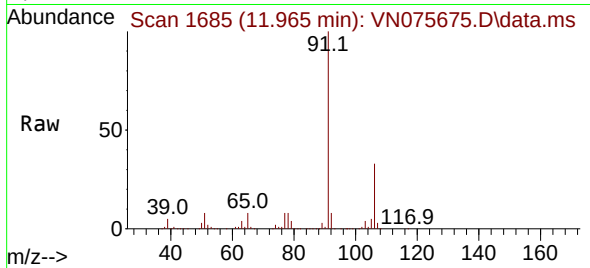




#67
Ethyl Benzene
Concen: 50.283 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

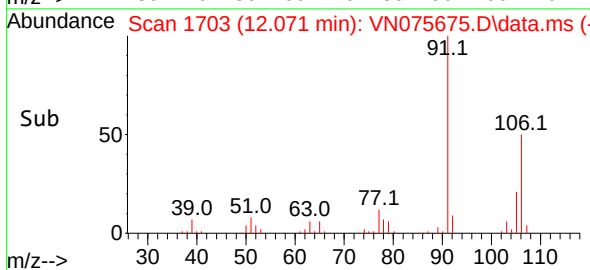
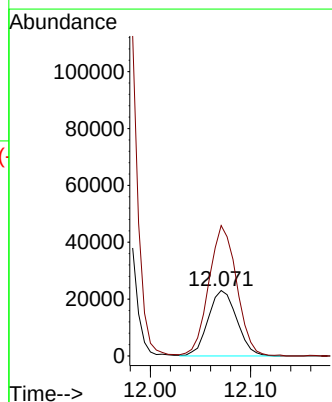
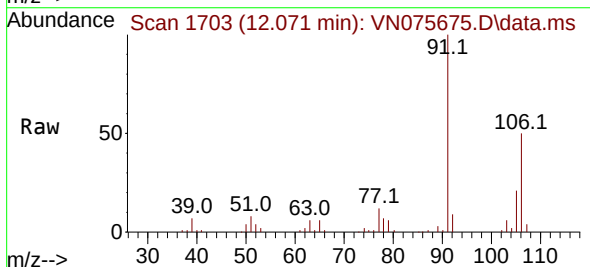
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

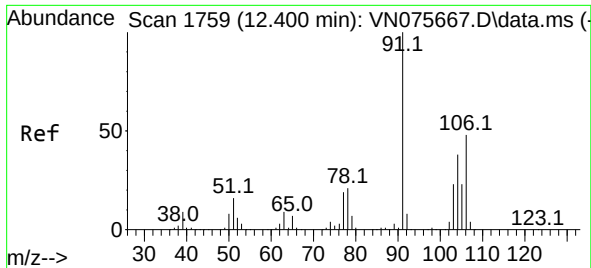
Tgt Ion: 91 Resp: 559609
Ion Ratio Lower Upper
91 100
106 32.6 26.9 40.3



#68
m/p-Xylenes
Concen: 10.153 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Tgt Ion:106 Resp: 45658
Ion Ratio Lower Upper
106 100
91 194.7 156.2 234.4

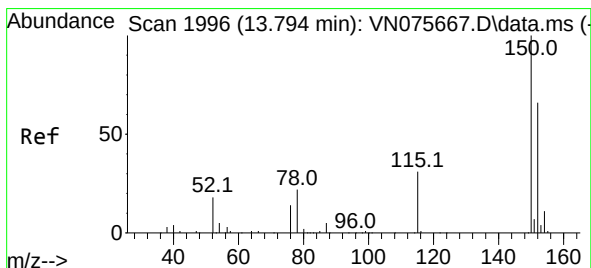
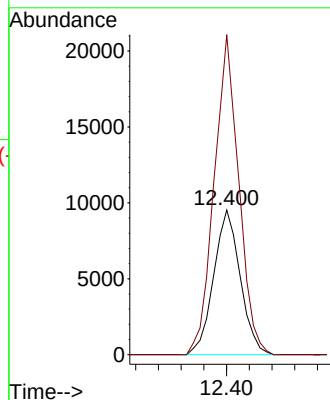
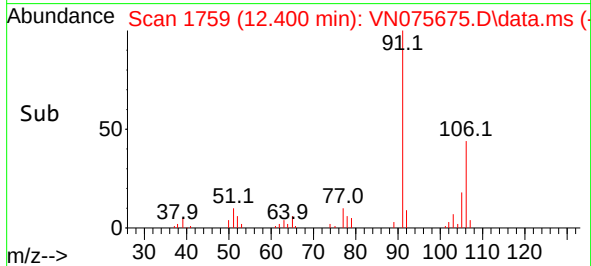
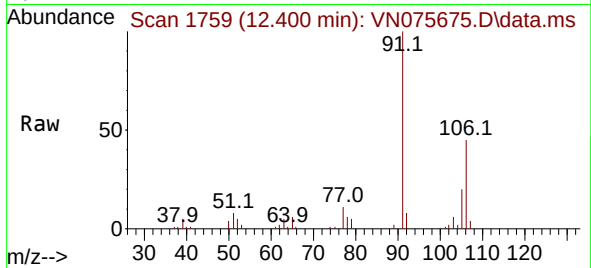




#69
o-Xylene
Concen: 3.548 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

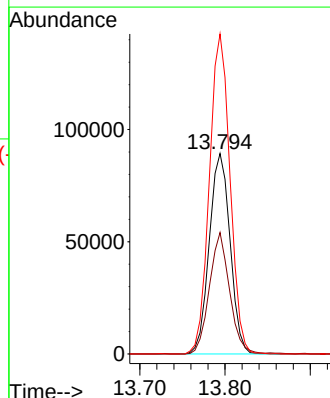
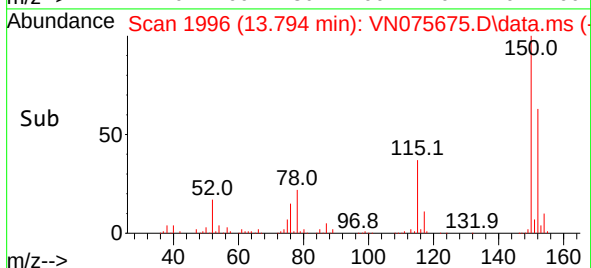
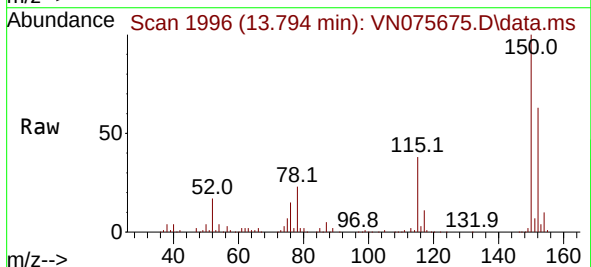
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

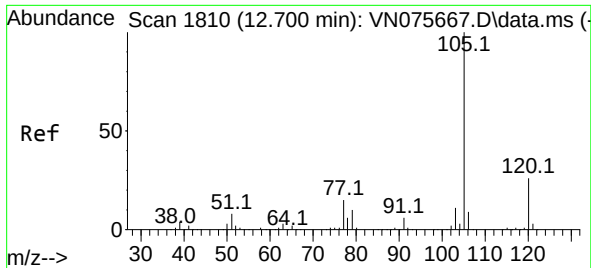
Tgt Ion:106 Resp: 15481
Ion Ratio Lower Upper
106 100
91 205.2 102.8 308.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Tgt Ion:152 Resp: 151258
Ion Ratio Lower Upper
152 100
115 59.2 28.4 85.2
150 158.1 0.0 347.6

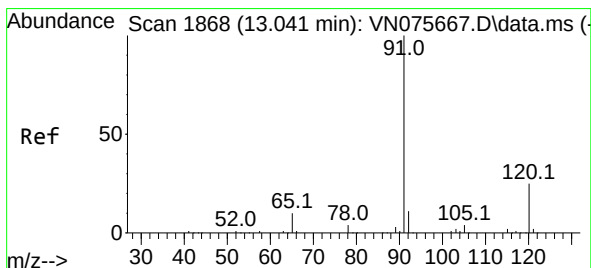
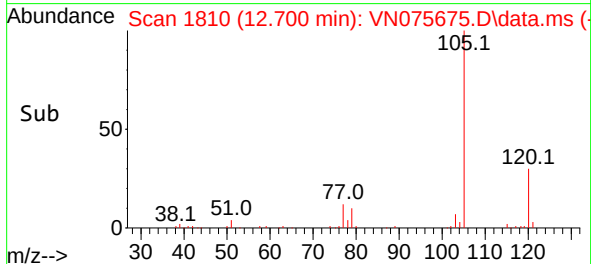
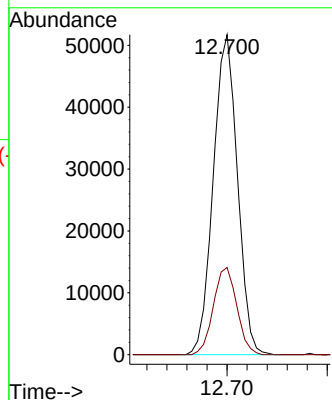
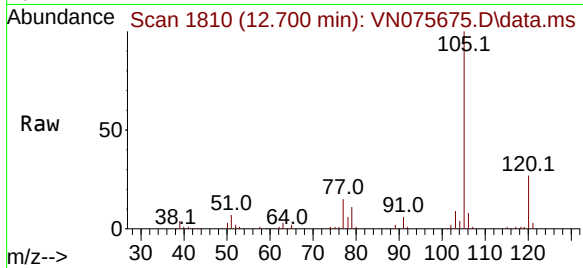




#73
Isopropylbenzene
Concen: 7.962 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

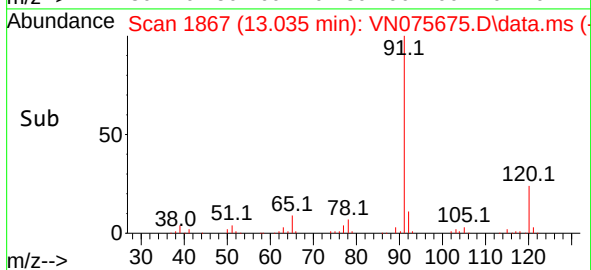
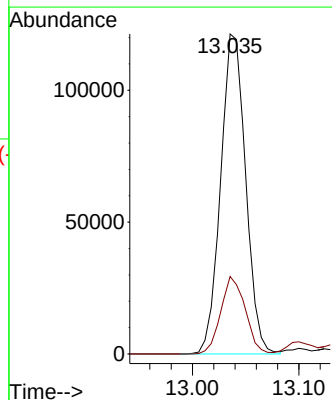
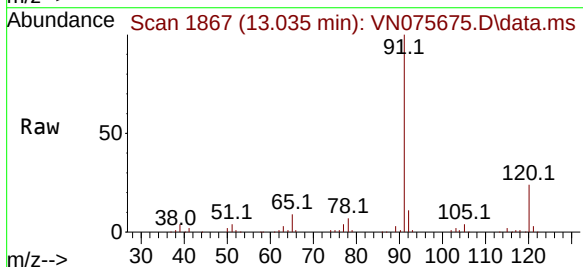
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

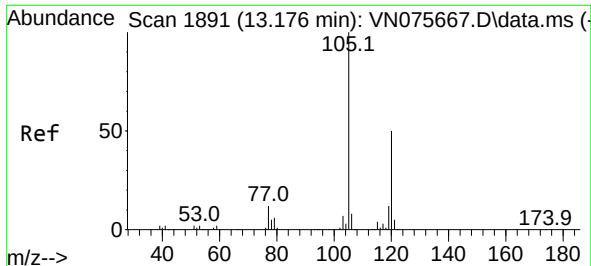
Tgt Ion:105 Resp: 86475
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2



#78
n-propylbenzene
Concen: 16.430 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Tgt Ion: 91 Resp: 198010
Ion Ratio Lower Upper
91 100
120 23.7 12.1 36.3

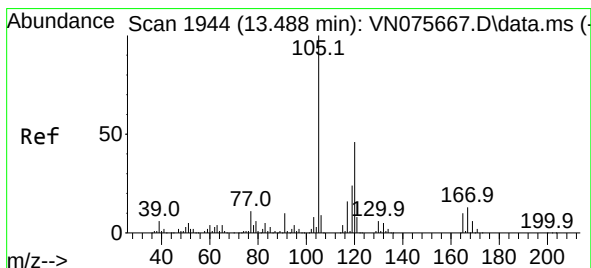
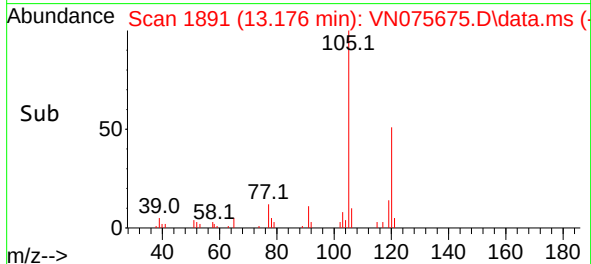
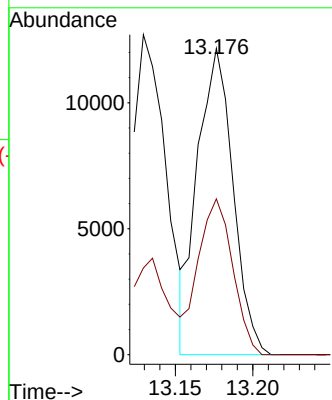
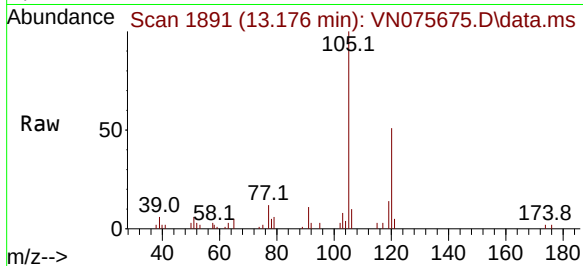




#80
 1,3,5-Trimethylbenzene
 Concen: 2.122 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN075675.D
 Acq: 09 Dec 2022 18:31

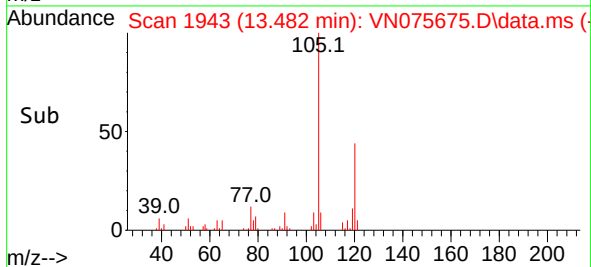
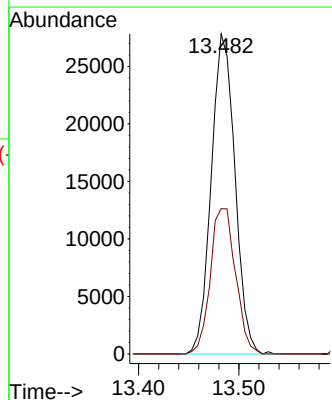
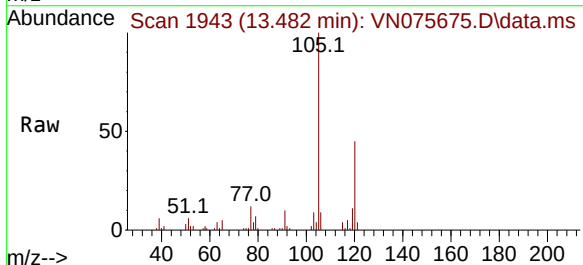
Instrument :
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 ClientSampleId :
 MW-6RDL

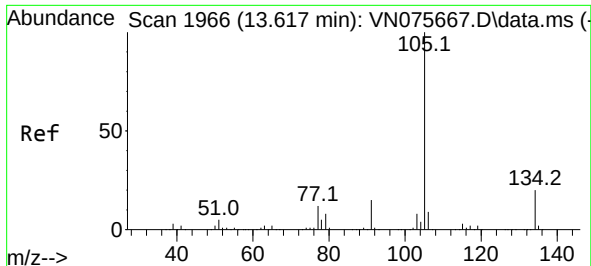
Tgt Ion:105 Resp: 19272
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.011 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: VN075675.D
 Acq: 09 Dec 2022 18:31

Tgt Ion:105 Resp: 45731
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.1 69.2

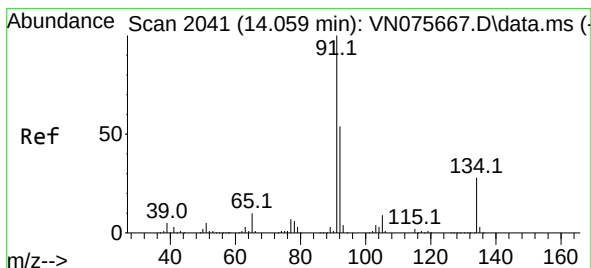
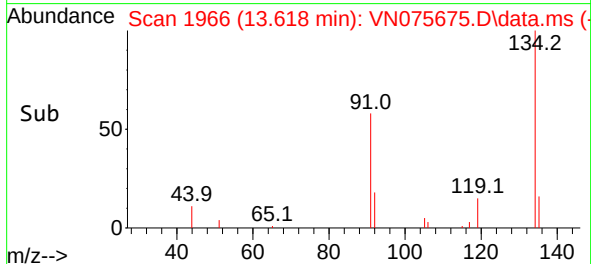
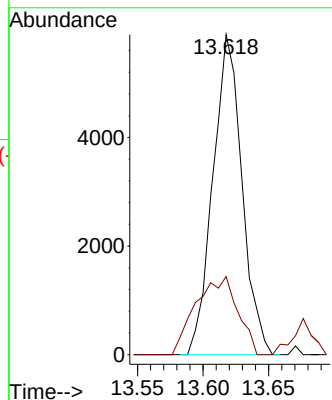
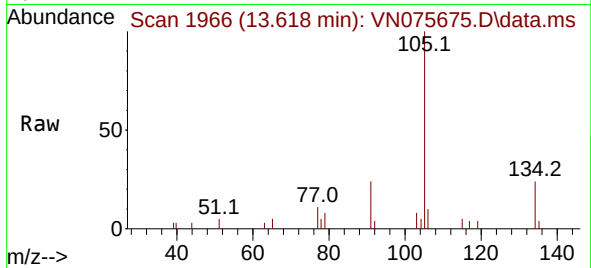




#85
 sec-Butylbenzene
 Concen: 0.801 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075675.D
 Acq: 09 Dec 2022 18:31

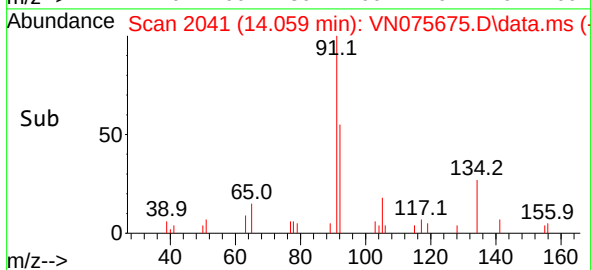
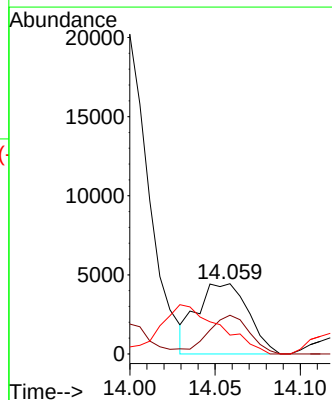
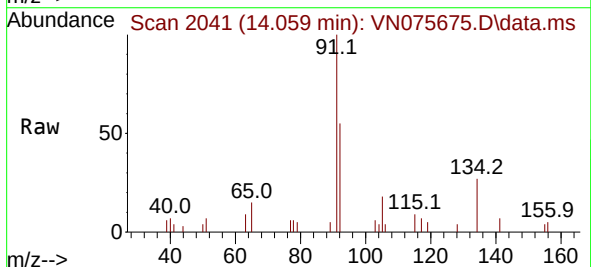
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6RDL

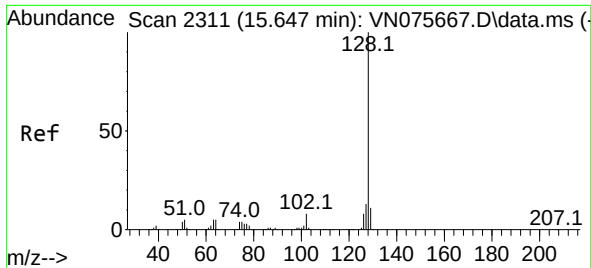
Tgt Ion:105 Resp: 9071
 Ion Ratio Lower Upper
 105 100
 134 35.1 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 1.217 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN075675.D
 Acq: 09 Dec 2022 18:31

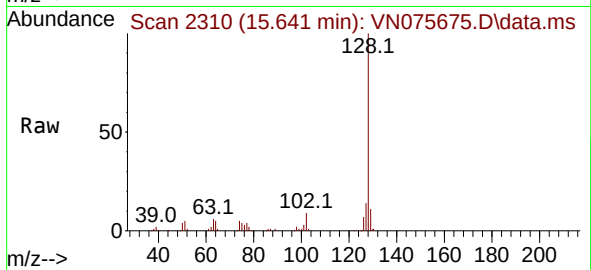
Tgt Ion: 91 Resp: 9242
 Ion Ratio Lower Upper
 91 100
 92 45.1 26.7 80.1
 134 0.0 13.9 41.7#





#95
Naphthalene
Concen: 20.088 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075675.D
Acq: 09 Dec 2022 18:31

Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL



Tgt Ion:128 Resp: 144873
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.1 8.4 12.6

