

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077481.D
 Acq On : 25 Apr 2023 19:58
 Operator : JC\MD
 Sample : 02460-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Apr 26 04:25:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	699659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1283332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1151272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	491093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	430213	47.122	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.240%
35) Dibromofluoromethane	8.172	113	392880	50.935	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.860%
50) Toluene-d8	10.572	98	1564346	52.917	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.840%
62) 4-Bromofluorobenzene	12.848	95	544444	56.291	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.580%

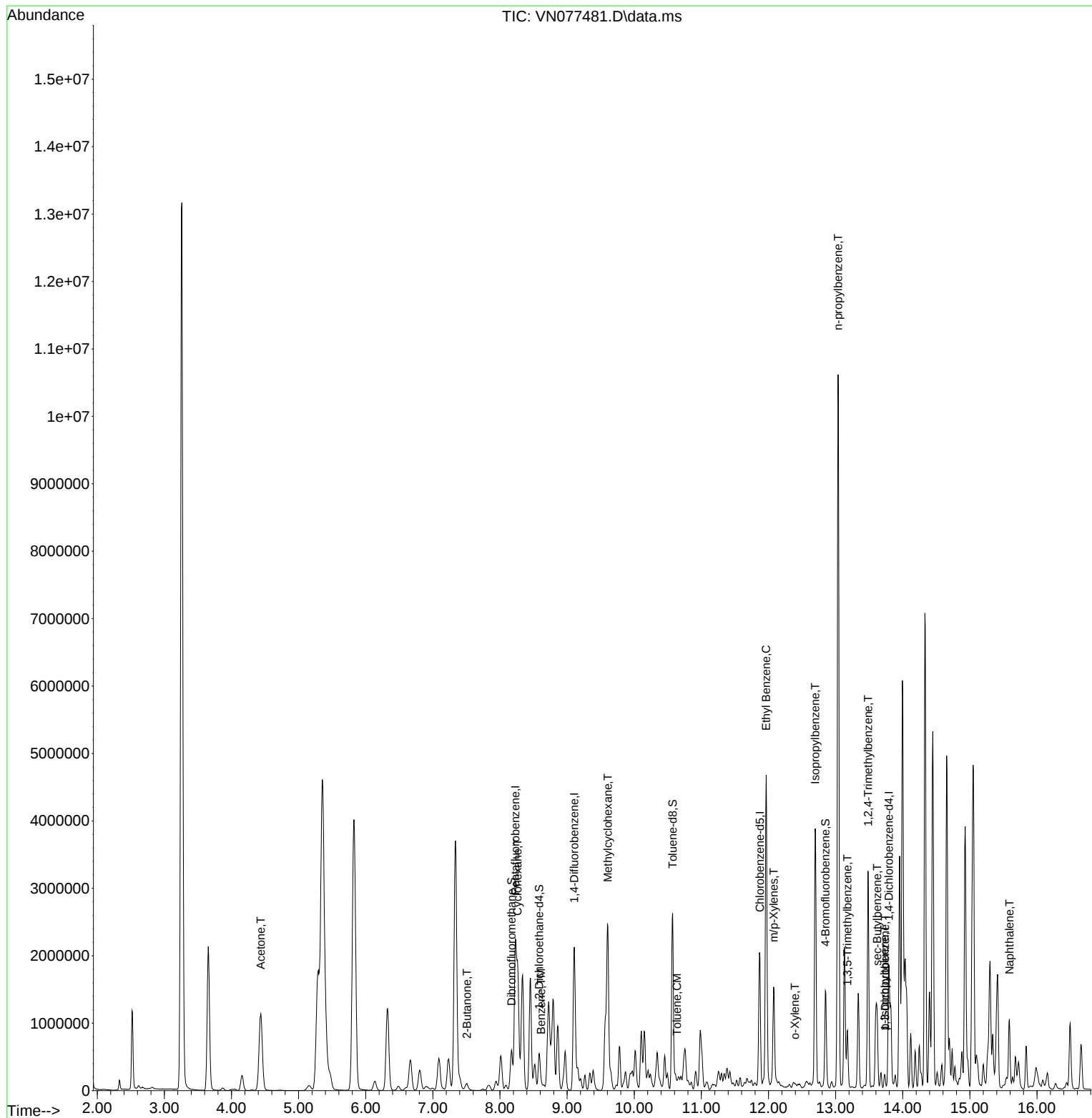
Target Compounds					Qvalue	
16) Acetone	4.437	43	646833	222.697	ug/l #	56
25) 2-Butanone	7.507	43	72946	17.707	ug/l #	71
31) Cyclohexane	8.260	56	1082550	83.703	ug/l #	89
39) Methylcyclohexane	9.607	83	1266217	86.243	ug/l	100
40) Benzene	8.613	78	39069	1.151	ug/l	95
52) Toluene	10.636	92	22655	1.019	ug/l	88
67) Ethyl Benzene	11.966	91	3418626	79.714	ug/l	98
68) m/p-Xylenes	12.077	106	470702	28.240	ug/l	100
69) o-Xylene	12.395	106	12058	0.735	ug/l	97
73) Isopropylbenzene	12.695	105	2788071	61.181	ug/l	100
78) n-propylbenzene	13.036	91	9129440	181.182	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	429988	12.706	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	1874255	59.300	ug/l	98
85) sec-Butylbenzene	13.619	105	742998	16.470	ug/l #	54
86) p-Isopropyltoluene	13.730	119	109283	3.149	ug/l	97
87) 1,3-Dichlorobenzene	13.736	146	4015	0.227	ug/l #	40
95) Naphthalene	15.589	128	890397	43.927	ug/l	99

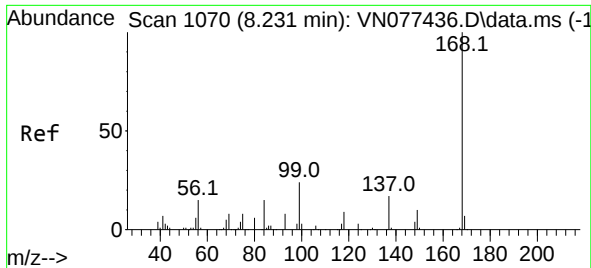
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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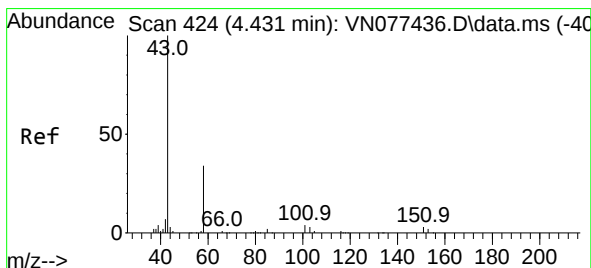
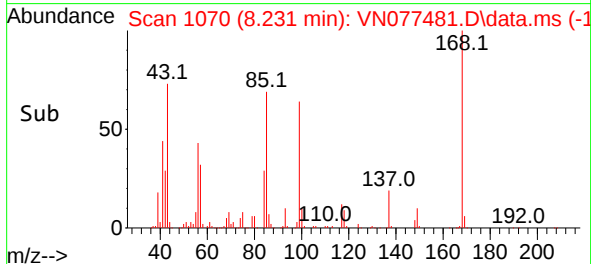
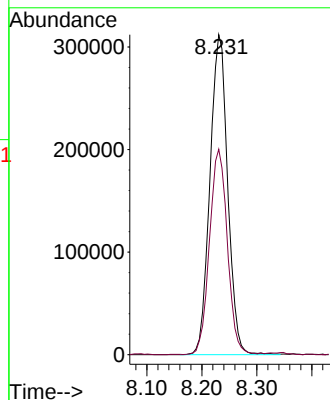
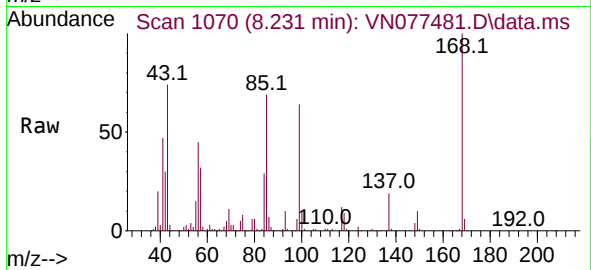




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

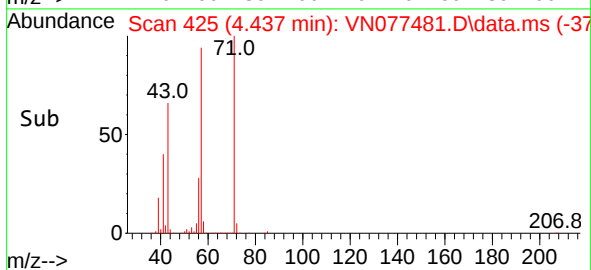
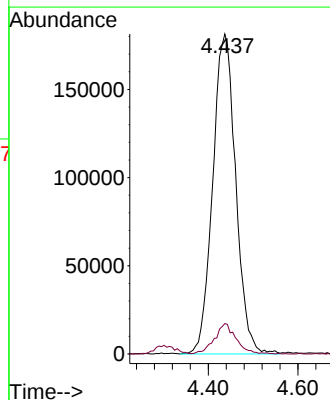
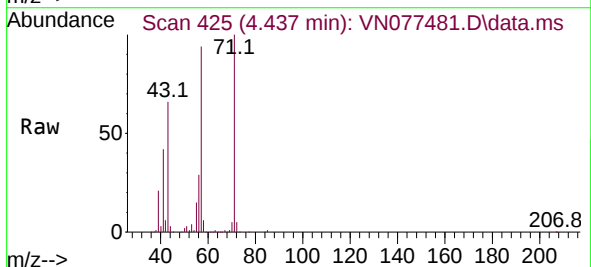
Instrument :
MSVOA_N
ClientSampleId :
MW-6

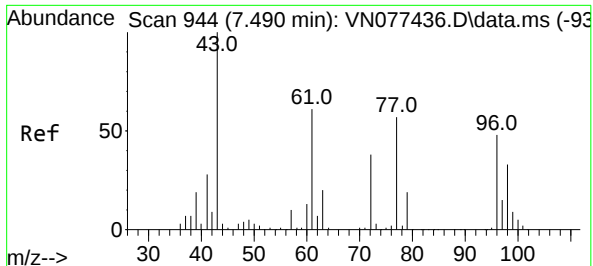
Tgt Ion:168 Resp: 699659
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#16
Acetone
Concen: 222.697 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

Tgt Ion: 43 Resp: 646833
Ion Ratio Lower Upper
43 100
58 9.4 28.0 42.0#





#25

2-Butanone

Concen: 17.707 ug/l

RT: 7.507 min Scan# 944

Delta R.T. 0.018 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

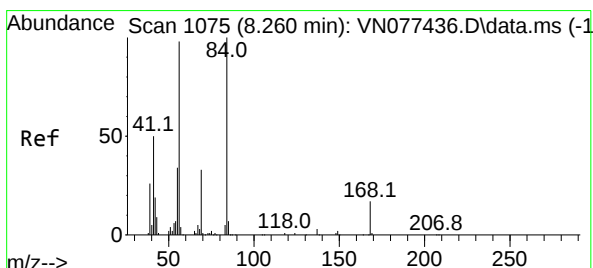
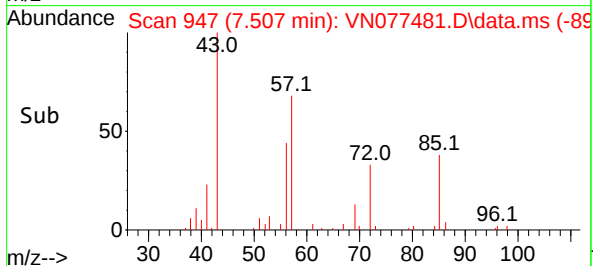
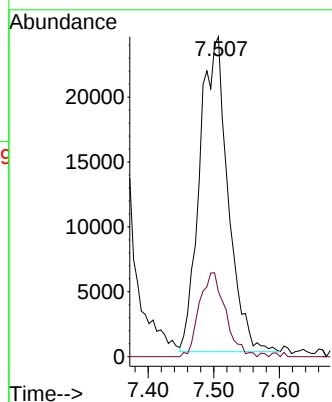
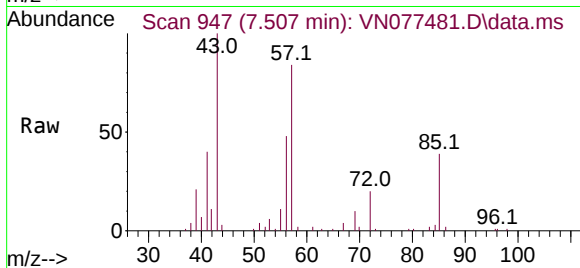
MW-6

Tgt Ion: 43 Resp: 72946

Ion Ratio Lower Upper

43 100

72 20.5 30.2 45.2#



#31

Cyclohexane

Concen: 83.703 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

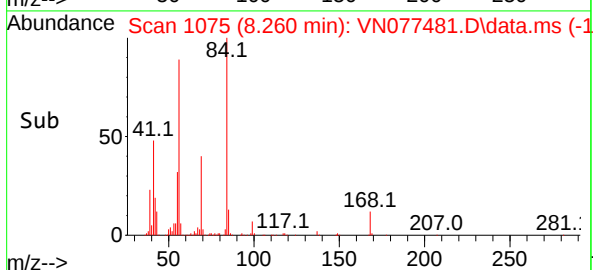
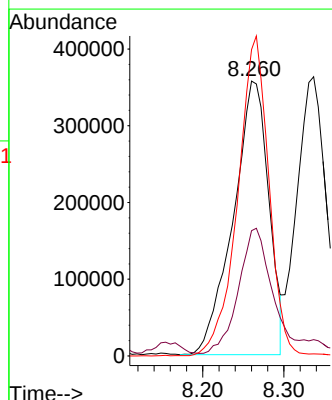
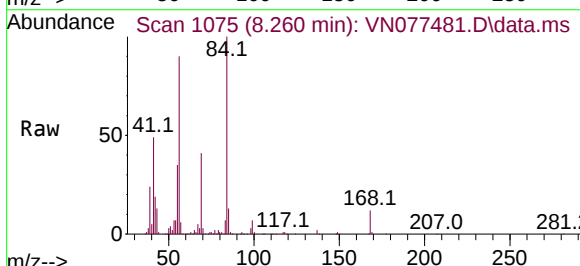
Tgt Ion: 56 Resp: 1082550

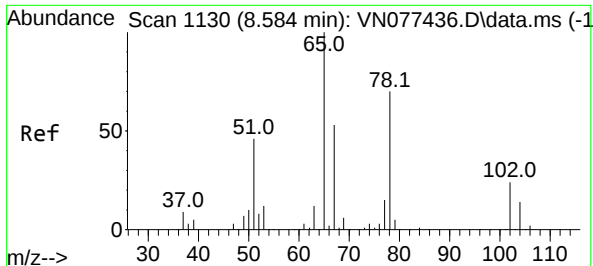
Ion Ratio Lower Upper

56 100

69 42.2 26.8 40.2#

84 111.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 47.122 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

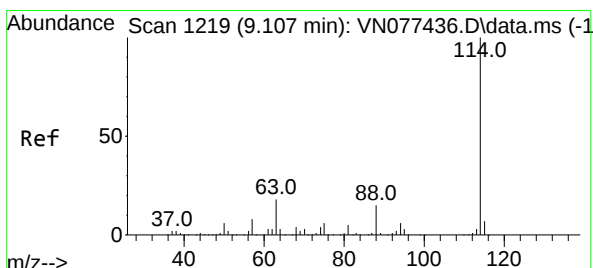
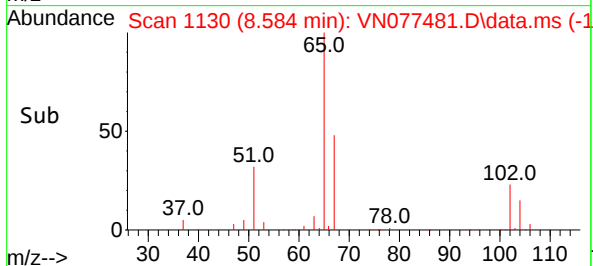
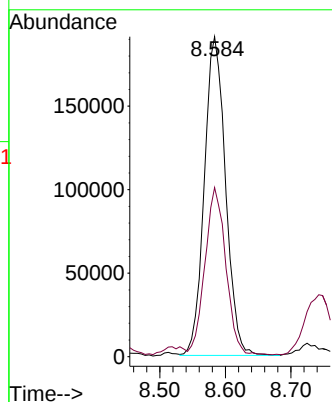
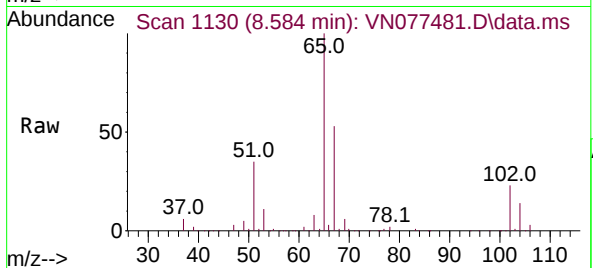
MW-6

Tgt Ion: 65 Resp: 430213

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

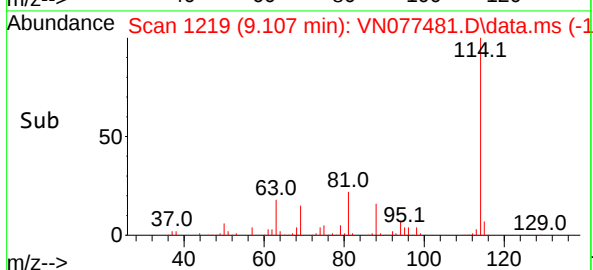
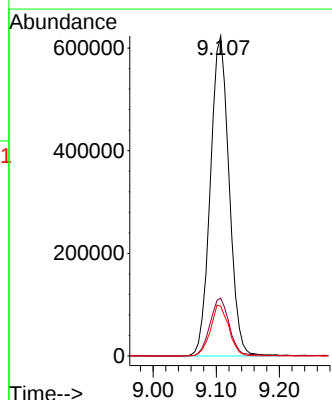
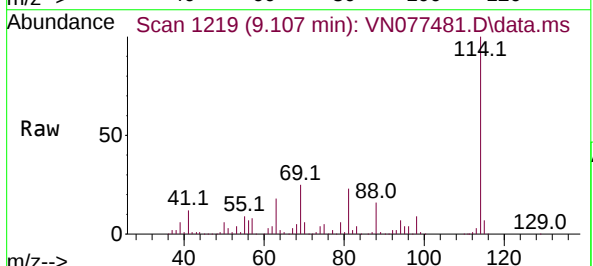
Tgt Ion: 114 Resp: 1283332

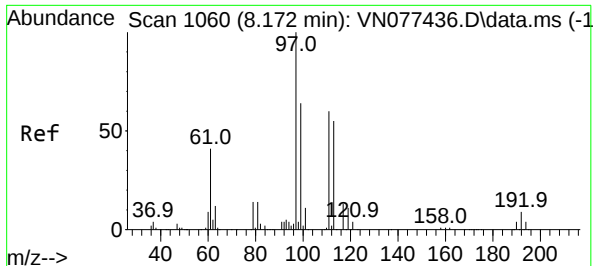
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.935 ug/l

RT: 8.172 min Scan# 113

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

MW-6

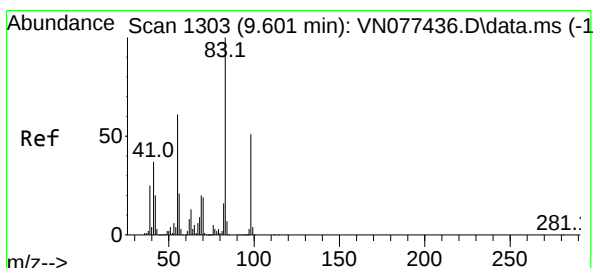
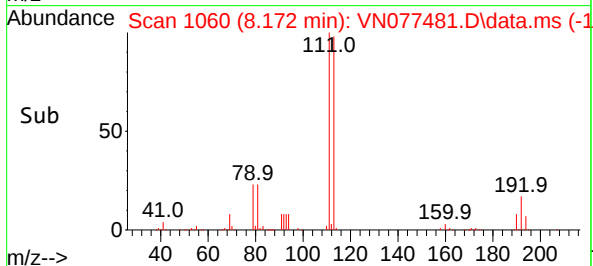
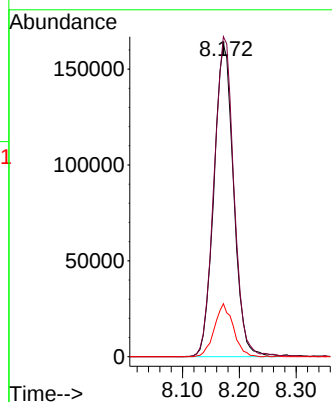
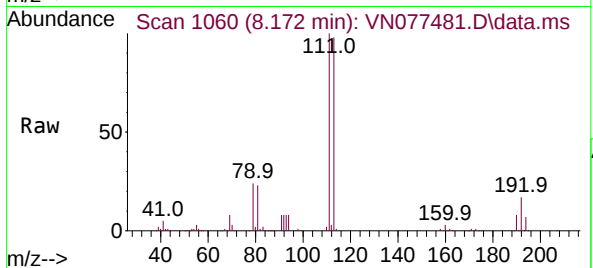
Tgt Ion:113 Resp: 392880

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.3 12.7 19.1



#39

Methylcyclohexane

Concen: 86.243 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

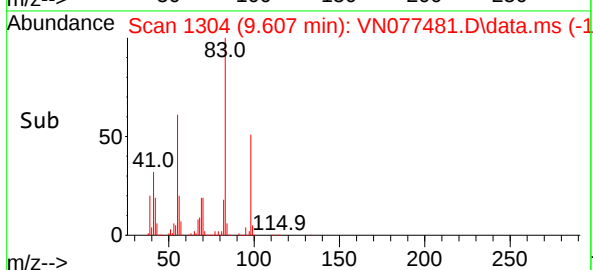
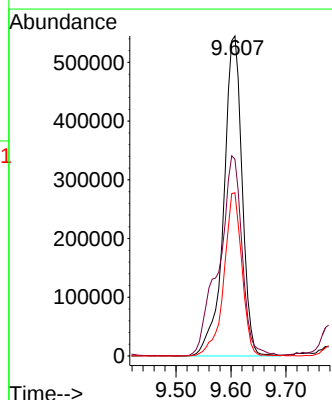
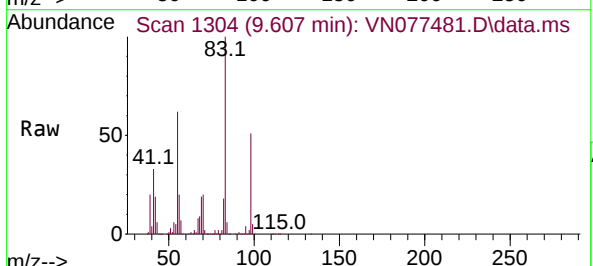
Tgt Ion: 83 Resp: 1266217

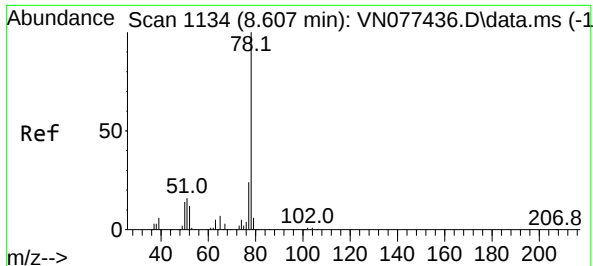
Ion Ratio Lower Upper

83 100

55 61.5 49.1 73.7

98 51.0 40.6 61.0

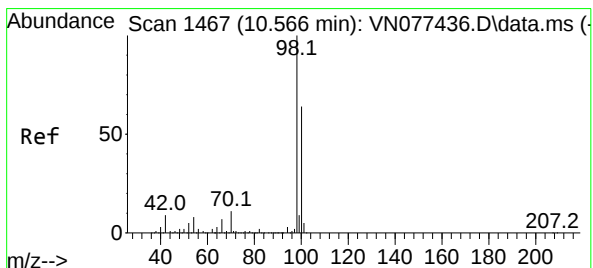
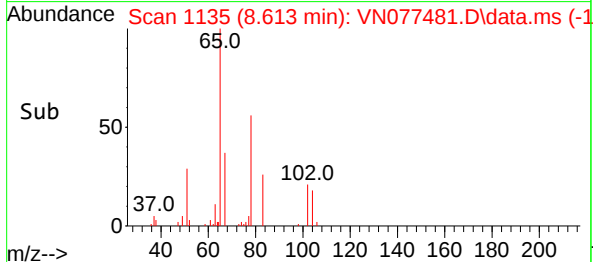
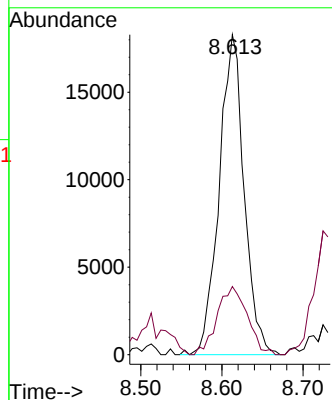
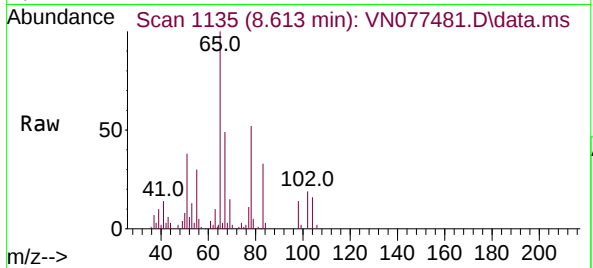




#40
Benzene
Concen: 1.151 ug/l
RT: 8.613 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

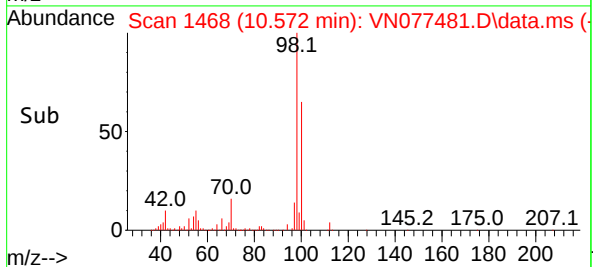
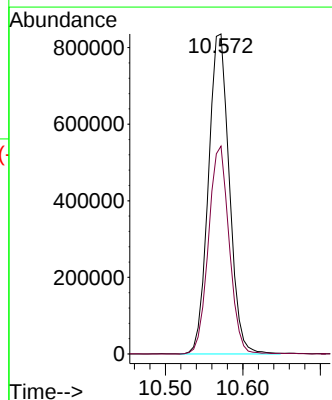
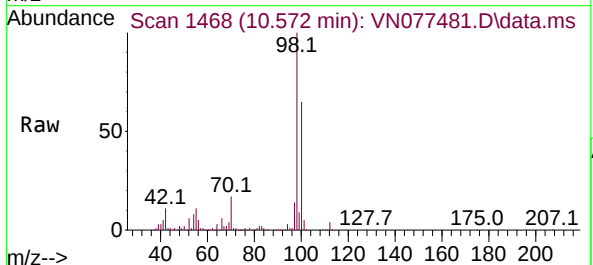
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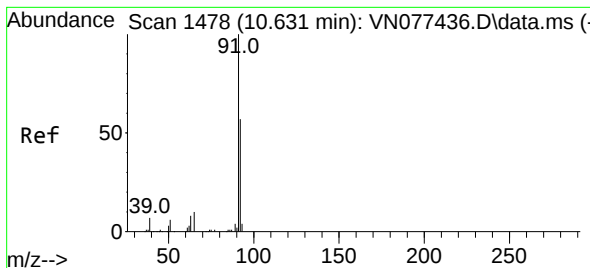
Tgt Ion: 78 Resp: 39069
Ion Ratio Lower Upper
78 100
77 21.3 19.0 28.6



#50
Toluene-d8
Concen: 52.917 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

Tgt Ion: 98 Resp: 1564346
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#52

Toluene

Concen: 1.019 ug/l

RT: 10.636 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

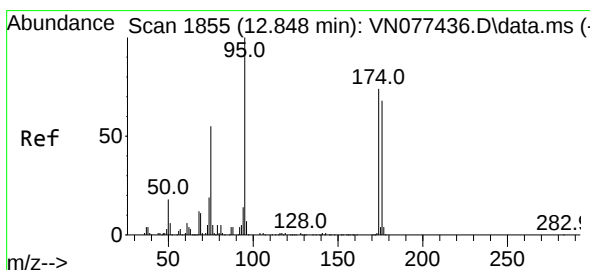
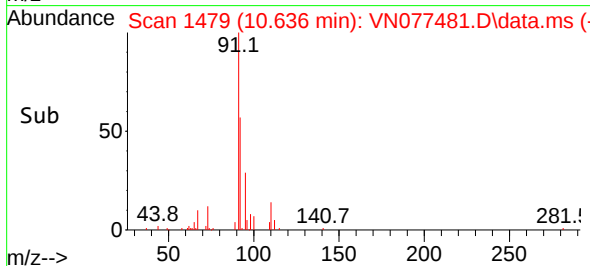
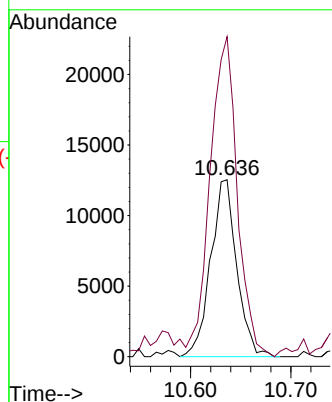
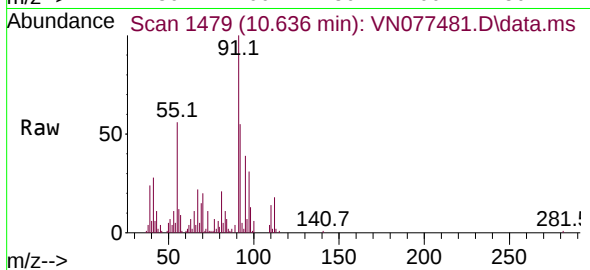
MW-6

Tgt Ion: 92 Resp: 22655

Ion Ratio Lower Upper

92 100

91 188.6 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 56.291 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

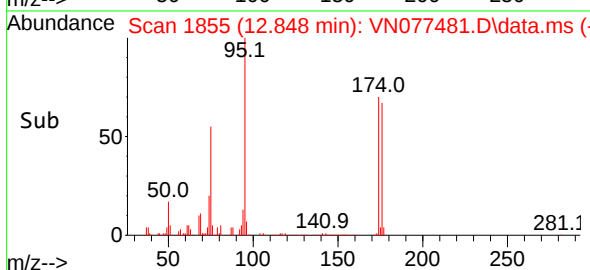
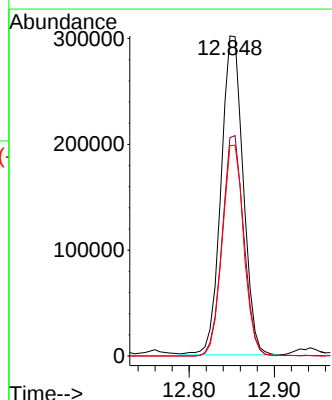
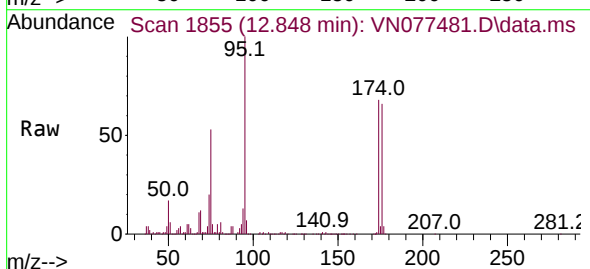
Tgt Ion: 95 Resp: 544444

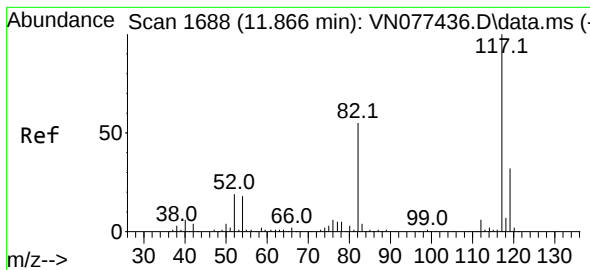
Ion Ratio Lower Upper

95 100

174 67.2 0.0 143.8

176 64.4 0.0 135.8

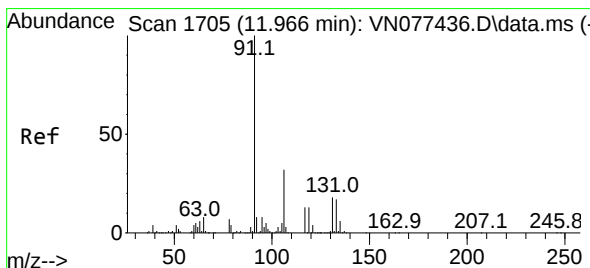
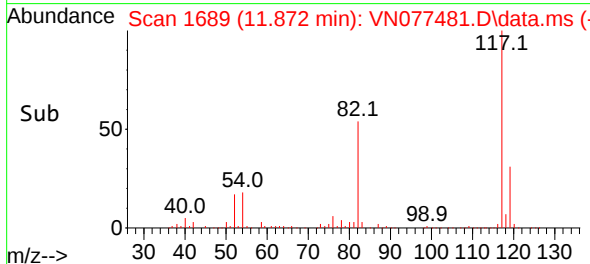
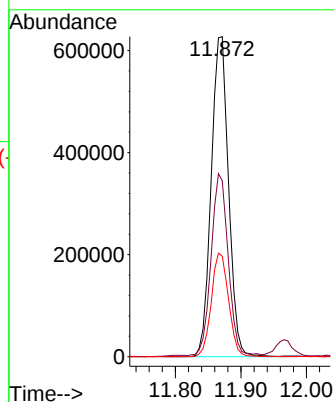
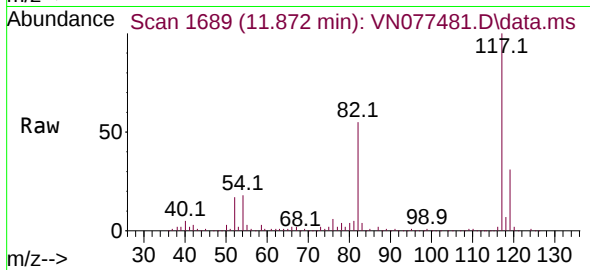




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

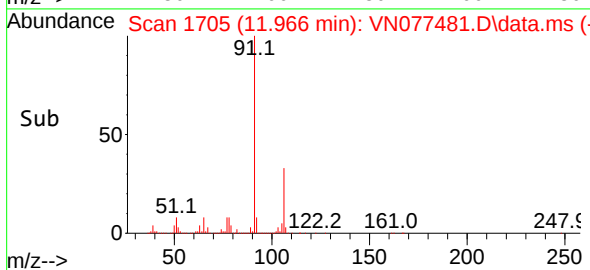
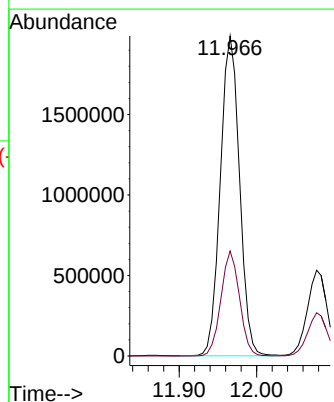
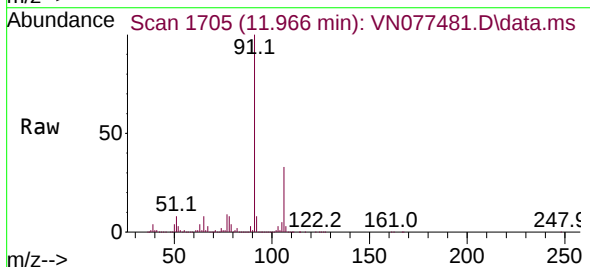
Instrument :
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ClientSampleId :
MW-6

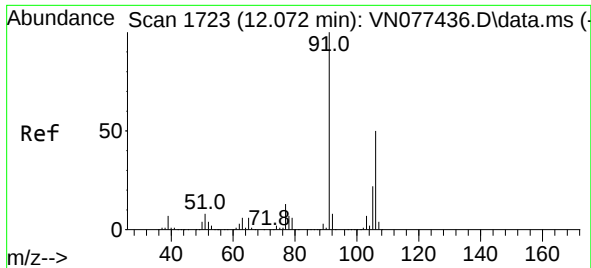
Tgt Ion:117 Resp: 1151272
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 31.4 25.6 38.4



#67
Ethyl Benzene
Concen: 79.714 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

Tgt Ion: 91 Resp: 3418626
Ion Ratio Lower Upper
91 100
106 32.8 25.6 38.4

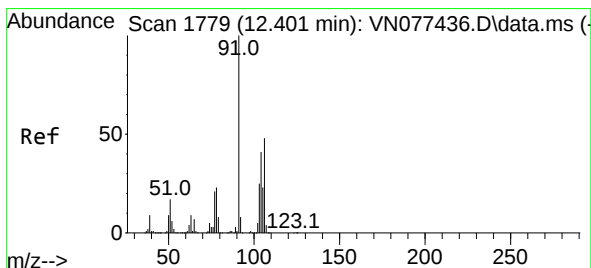
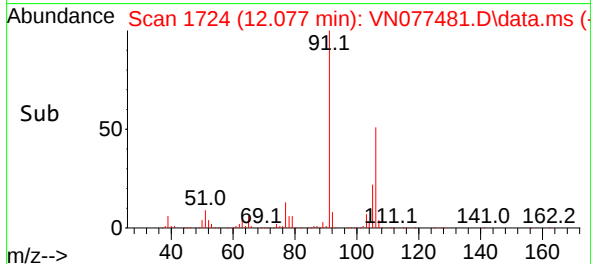
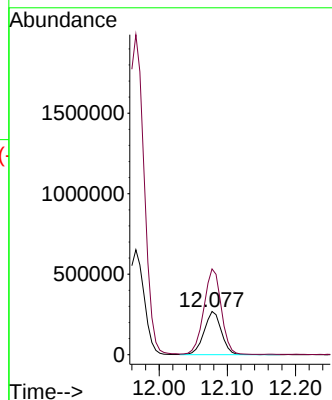
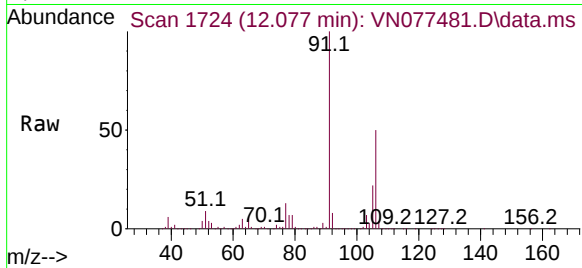




#68
m/p-Xylenes
Concen: 28.240 ug/l
RT: 12.077 min Scan# 1723
Delta R.T. 0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

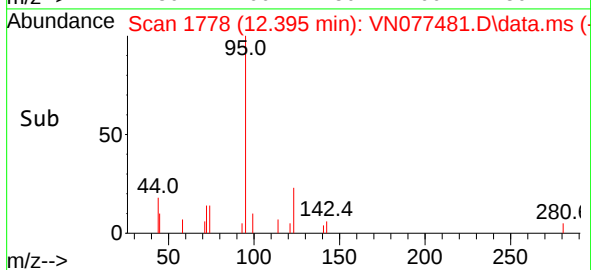
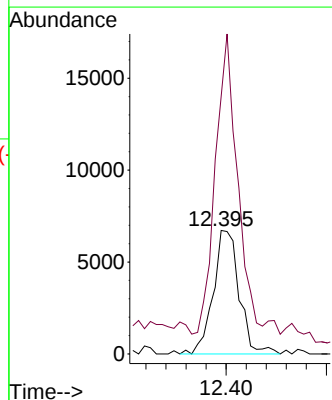
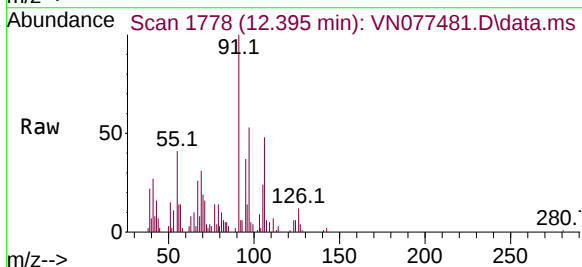
Instrument :
MSVOA_N
ClientSampleId :
MW-6

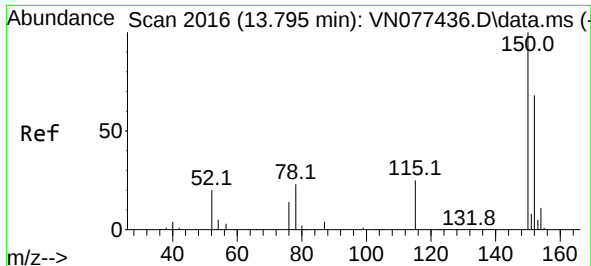
Tgt Ion:106 Resp: 470702
Ion Ratio Lower Upper
106 100
91 199.8 159.6 239.4



#69
o-Xylene
Concen: 0.735 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

Tgt Ion:106 Resp: 12058
Ion Ratio Lower Upper
106 100
91 206.2 105.2 315.5

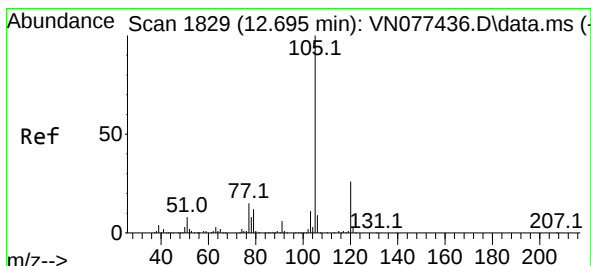
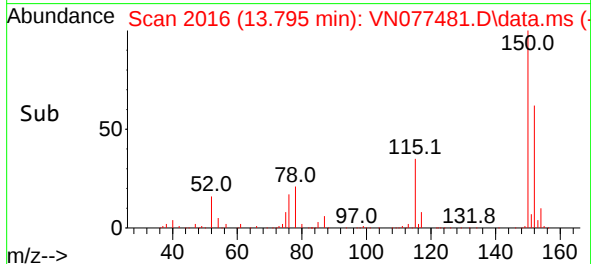
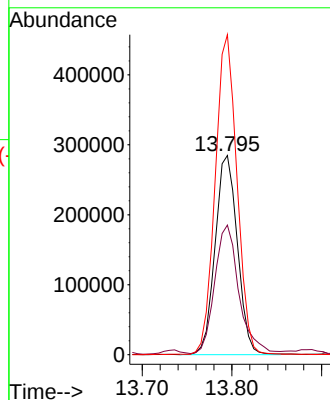
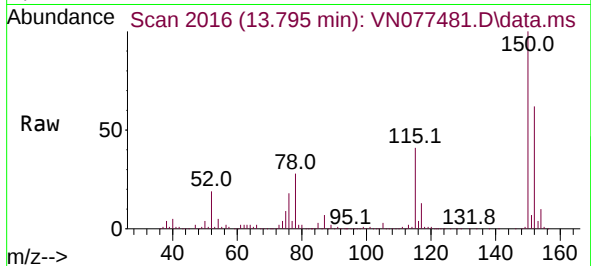




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

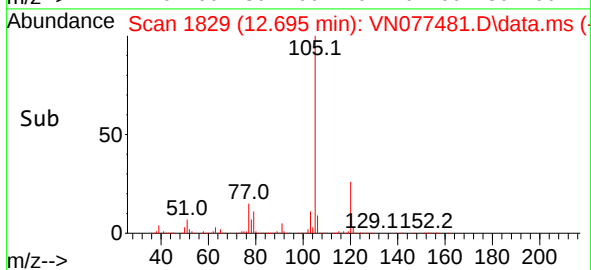
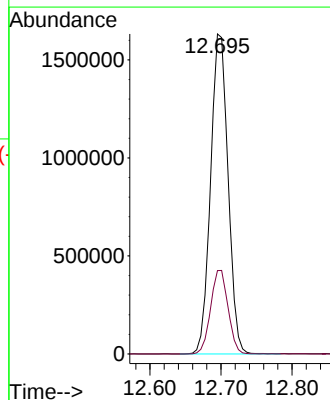
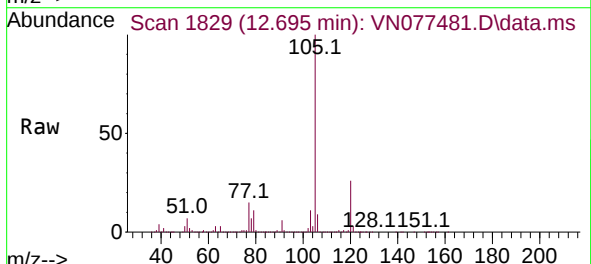
Instrument :
MSVOA_N
ClientSampleId :
MW-6

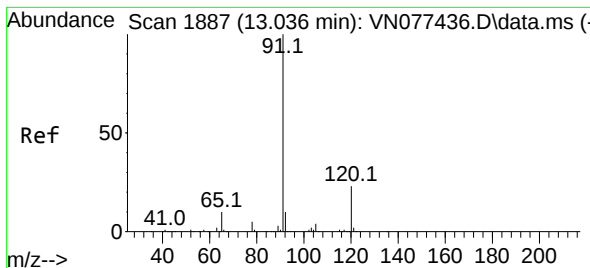
Tgt Ion:152 Resp: 491093
Ion Ratio Lower Upper
152 100
115 70.1 32.3 96.8
150 157.3 0.0 355.8



#73
Isopropylbenzene
Concen: 61.181 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN077481.D
Acq: 25 Apr 2023 19:58

Tgt Ion:105 Resp: 2788071
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1





#78

n-propylbenzene

Concen: 181.182 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

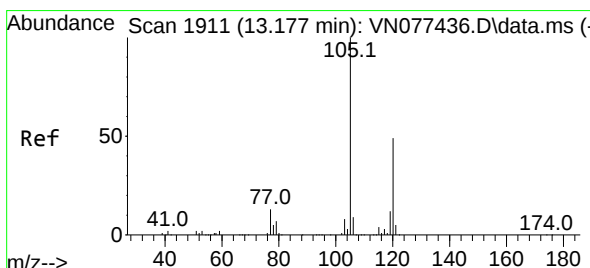
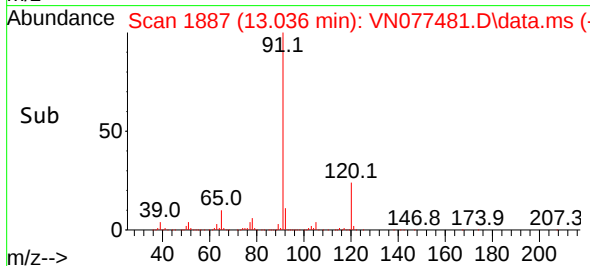
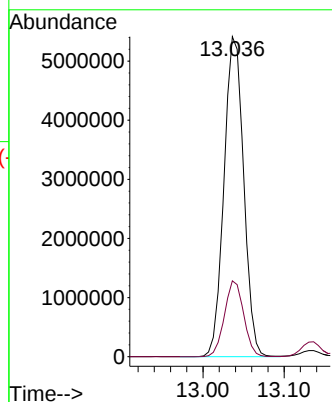
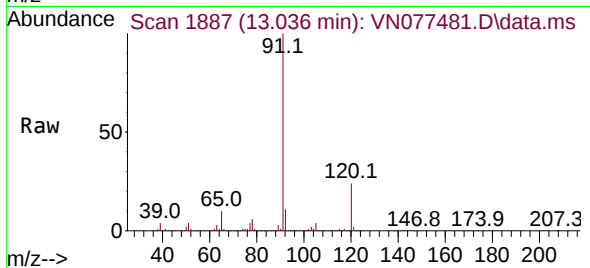
MW-6

Tgt Ion: 91 Resp: 9129440

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 12.706 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077481.D

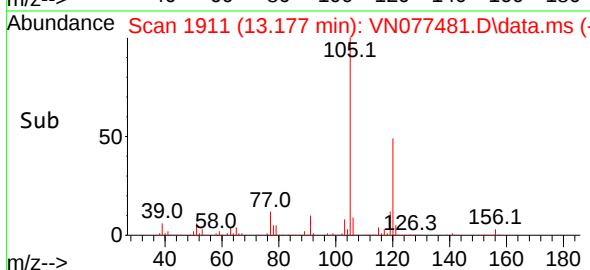
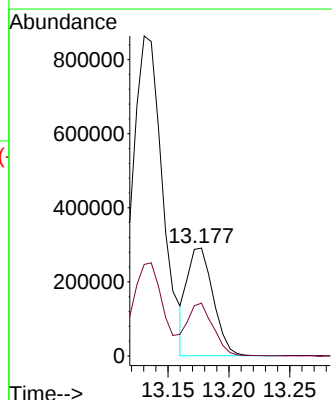
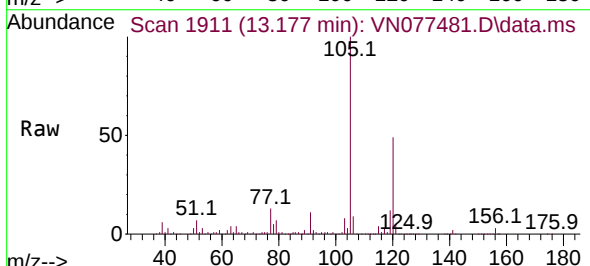
Acq: 25 Apr 2023 19:58

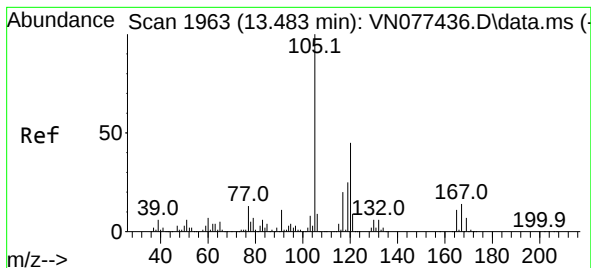
Tgt Ion:105 Resp: 429988

Ion Ratio Lower Upper

105 100

120 52.8 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 59.300 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

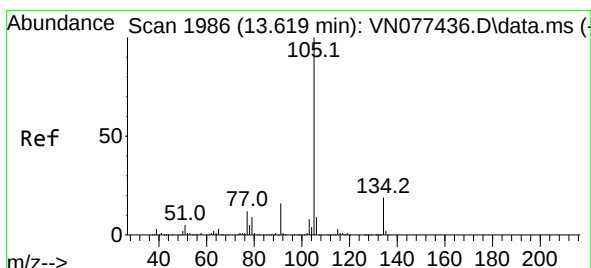
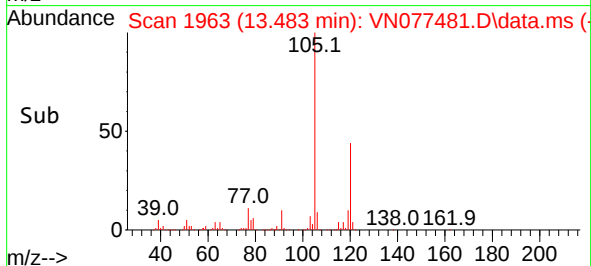
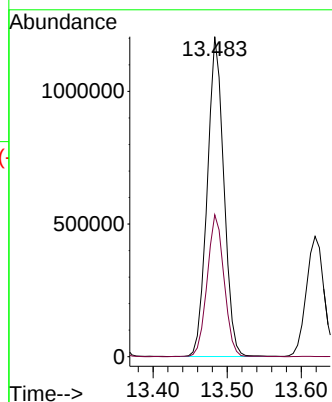
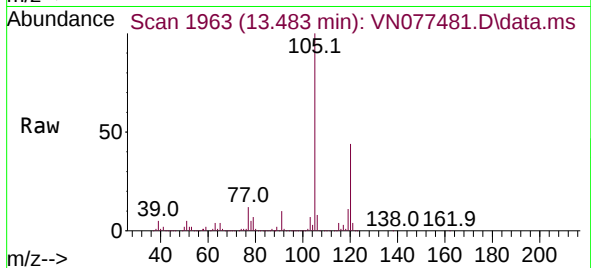
MW-6

Tgt Ion:105 Resp: 1874255

Ion Ratio Lower Upper

105 100

120 45.1 22.0 66.0



#85

sec-Butylbenzene

Concen: 16.470 ug/l

RT: 13.619 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077481.D

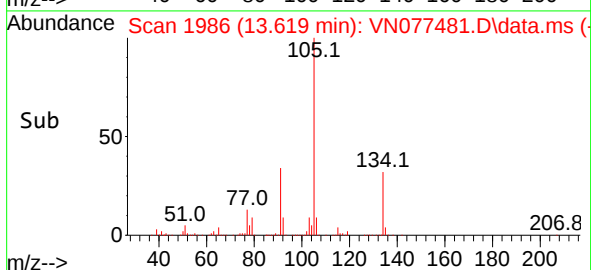
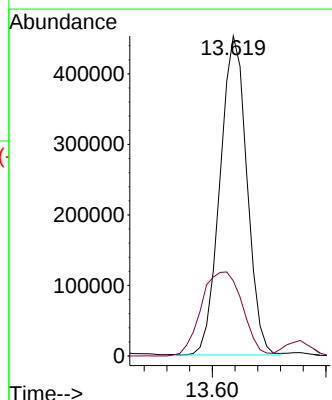
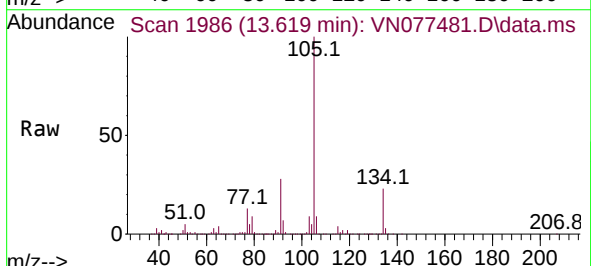
Acq: 25 Apr 2023 19:58

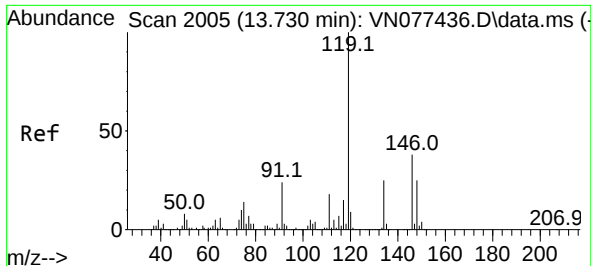
Tgt Ion:105 Resp: 742998

Ion Ratio Lower Upper

105 100

134 40.5 9.8 29.3#





#86

p-Isopropyltoluene

Concen: 3.149 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

Instrument :

MSVOA_N

ClientSampleId :

MW-6

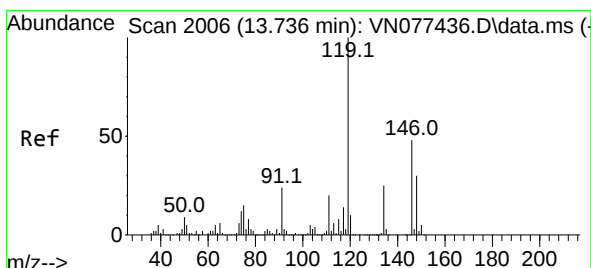
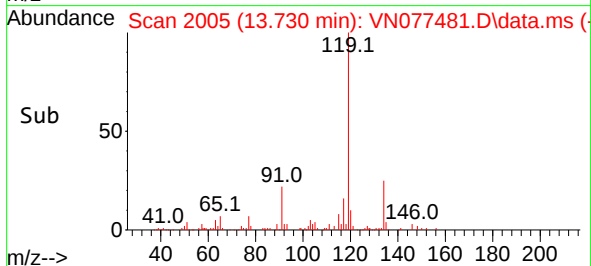
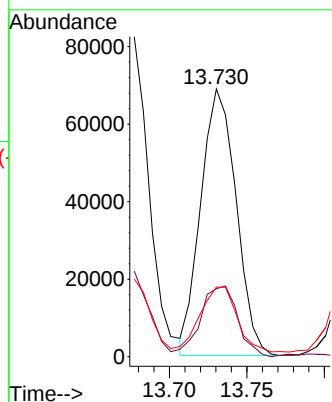
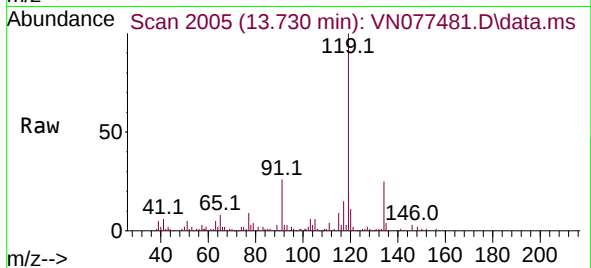
Tgt Ion:119 Resp: 109283

Ion Ratio Lower Upper

119 100

134 27.9 12.6 37.8

91 25.5 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 0.227 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN077481.D

Acq: 25 Apr 2023 19:58

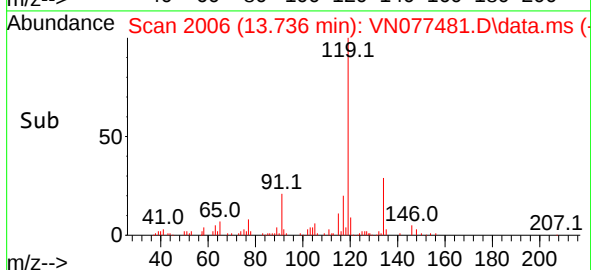
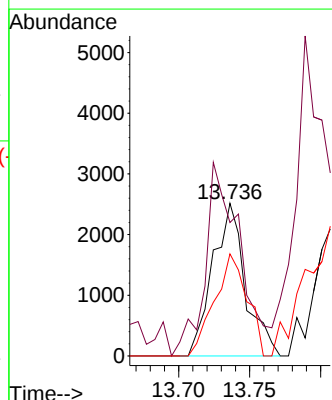
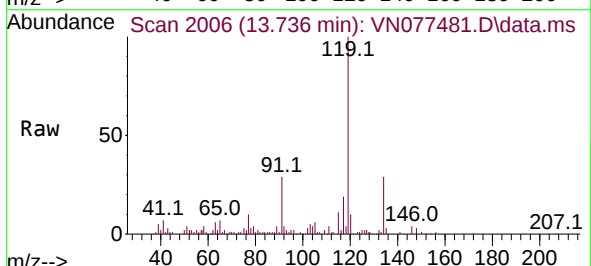
Tgt Ion:146 Resp: 4015

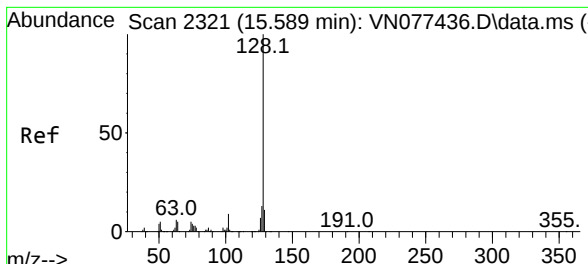
Ion Ratio Lower Upper

146 100

111 136.6 22.1 66.3#

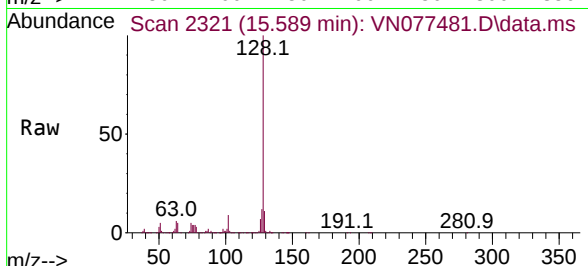
148 66.7 32.0 96.0





#95
 Naphthalene
 Concen: 43.927 ug/l
 RT: 15.589 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077481.D
 Acq: 25 Apr 2023 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6



Tgt Ion:128 Resp: 890397

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	10.5	8.7	13.1

