

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077480.D
 Acq On : 25 Apr 2023 19:34
 Operator : JC\MD
 Sample : 02460-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Apr 26 04:24:40 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	655851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1210863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1112925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	498476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	404554	47.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.540%
35) Dibromofluoromethane	8.172	113	376716	51.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.566	98	1540286	55.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.440%
62) 4-Bromofluorobenzene	12.848	95	533259	58.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.860%

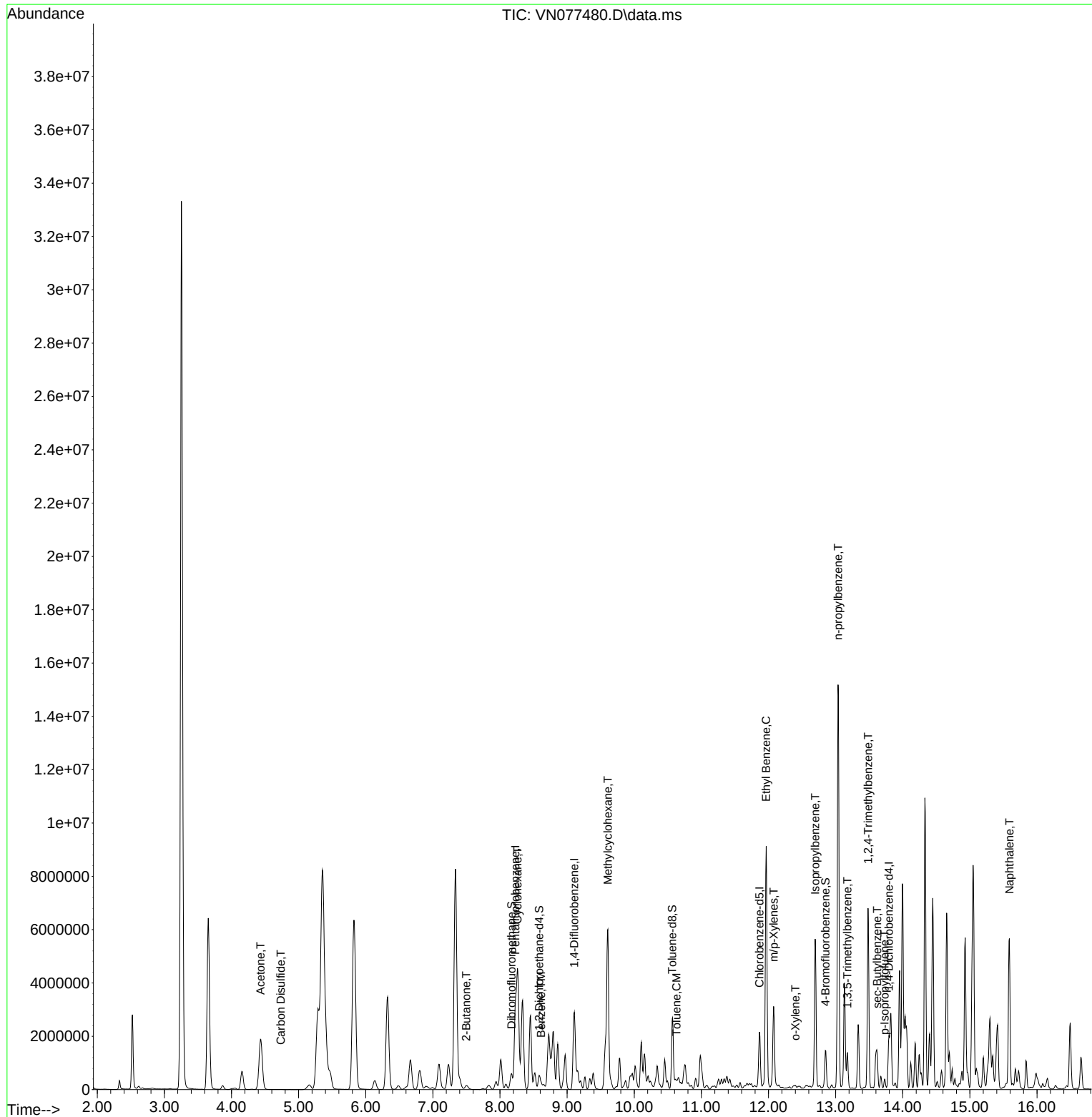
Target Compounds				Qvalue		
16) Acetone	4.431	43	1075772	395.115	ug/l #	55
17) Carbon Disulfide	4.737	76	5962	0.321	ug/l	97
25) 2-Butanone	7.495	43	115392	29.881	ug/l #	81
31) Cyclohexane	8.260	56	2635242	217.369	ug/l #	90
39) Methylcyclohexane	9.607	83	3064384	221.209	ug/l	98
40) Benzene	8.613	78	118927	3.713	ug/l	98
52) Toluene	10.630	92	85567	4.078	ug/l	99
67) Ethyl Benzene	11.966	91	6914517	166.785	ug/l	99
68) m/p-Xylenes	12.077	106	980127	60.829	ug/l	99
69) o-Xylene	12.401	106	28292	1.785	ug/l	92
73) Isopropylbenzene	12.695	105	3948980	85.372	ug/l	99
78) n-propylbenzene	13.036	91	13021814	254.602	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	688594	20.046	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	4092901	127.578	ug/l	100
85) sec-Butylbenzene	13.618	105	877853	19.172	ug/l #	58
86) p-Isopropyltoluene	13.730	119	194786	5.529	ug/l	97
95) Naphthalene	15.589	128	4958797	133.480	ug/l	100

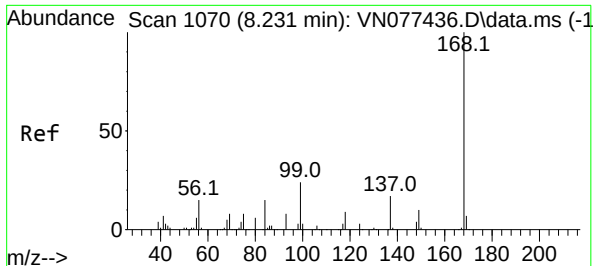
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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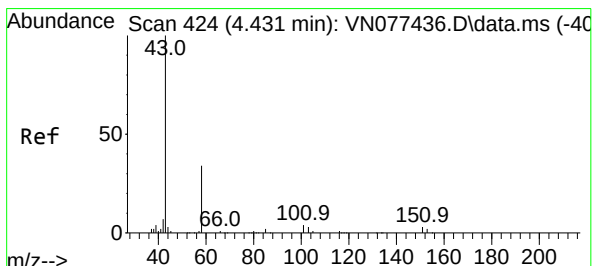
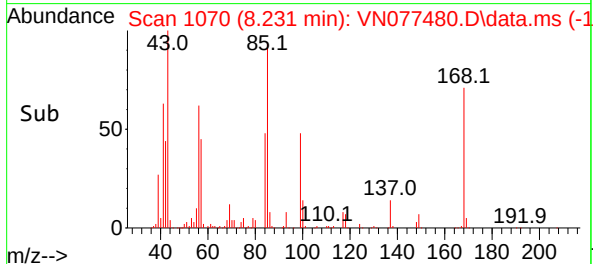
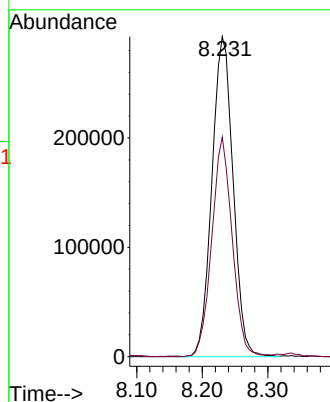
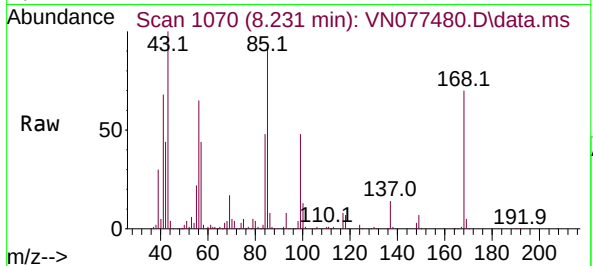




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

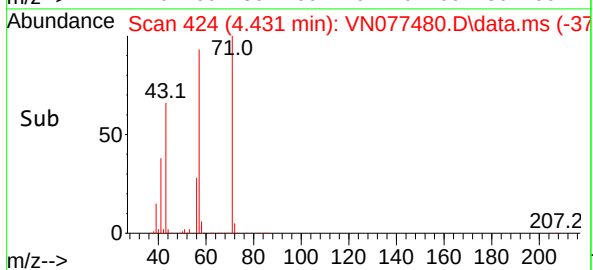
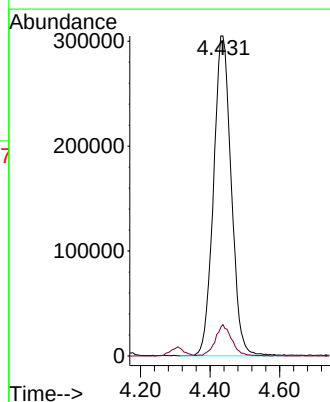
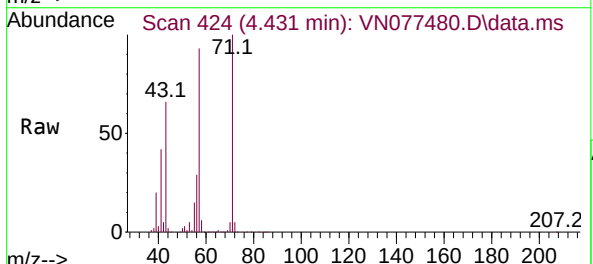
Instrument :
MSVOA_N
ClientSampleId :
MW-5

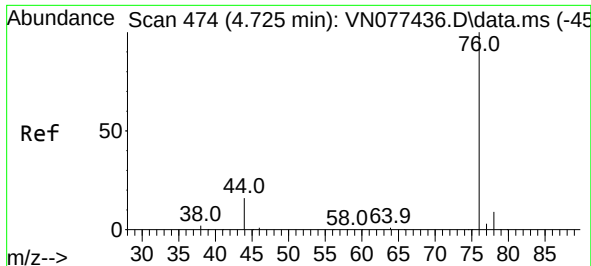
Tgt Ion:168 Resp: 655851
Ion Ratio Lower Upper
168 100
99 68.5 53.0 79.6



#16
Acetone
Concen: 395.115 ug/l
RT: 4.431 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion: 43 Resp: 1075772
Ion Ratio Lower Upper
43 100
58 8.9 28.0 42.0#

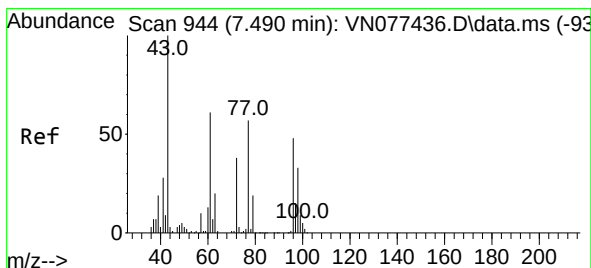
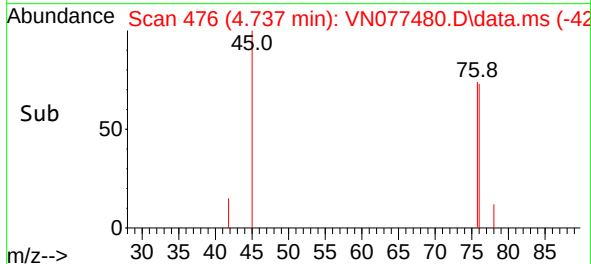
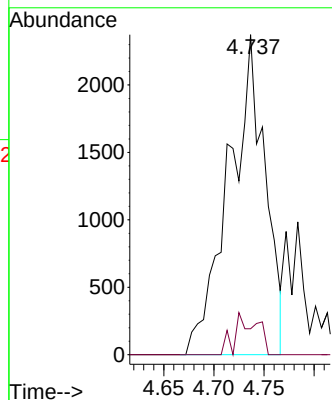
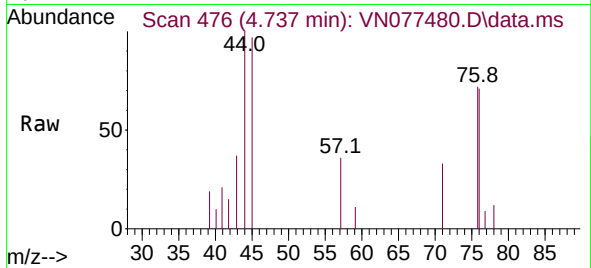




#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 4.737 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

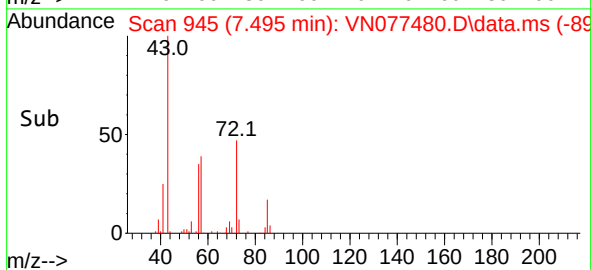
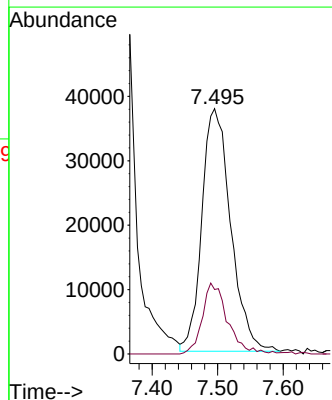
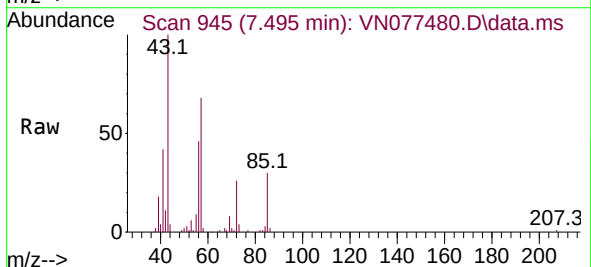
Instrument :
MSVOA_N
ClientSampleId :
MW-5

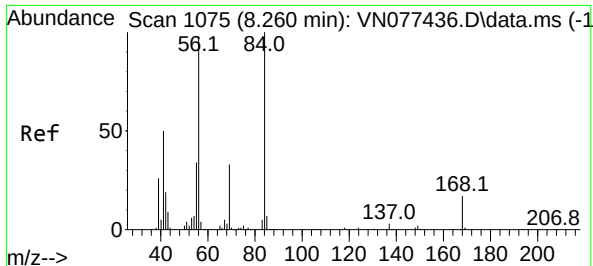
Tgt Ion: 76 Resp: 5962
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#25
2-Butanone
Concen: 29.881 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion: 43 Resp: 115392
Ion Ratio Lower Upper
43 100
72 26.6 30.2 45.2#

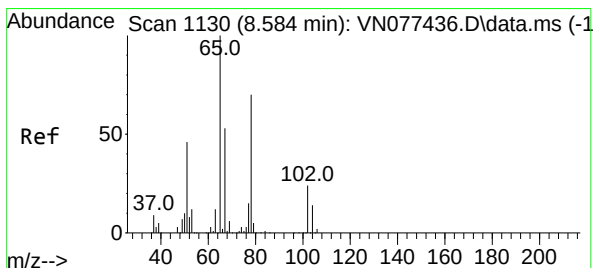
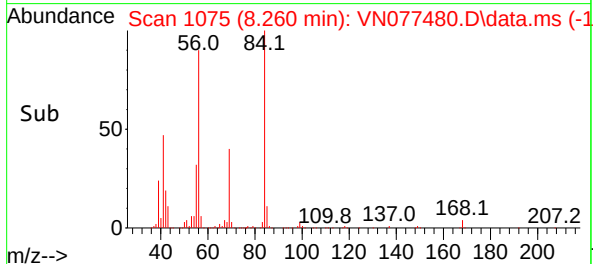
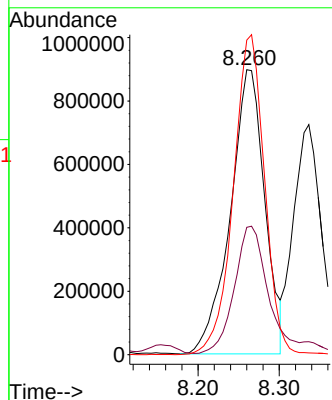
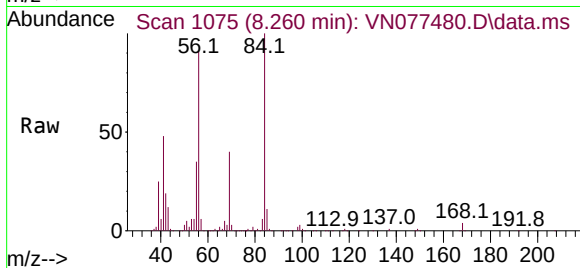




#31
Cyclohexane
Concen: 217.369 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

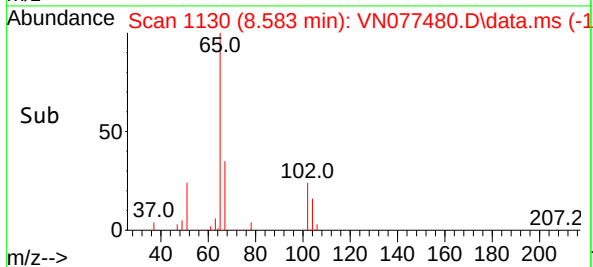
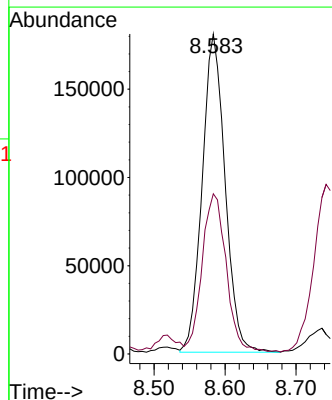
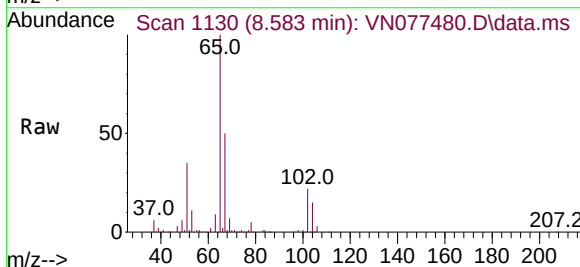
Instrument :
MSVOA_N
ClientSampleId :
MW-5

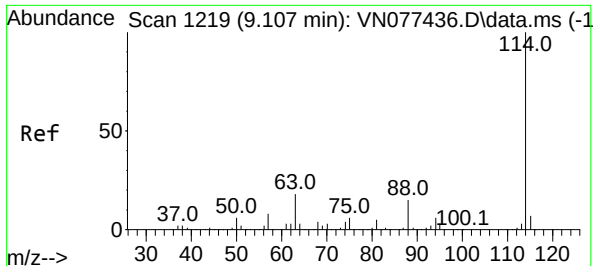
Tgt Ion: 56 Resp: 2635242
Ion Ratio Lower Upper
56 100
69 43.1 26.8 40.2#
84 110.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 47.272 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion: 65 Resp: 404554
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW-5

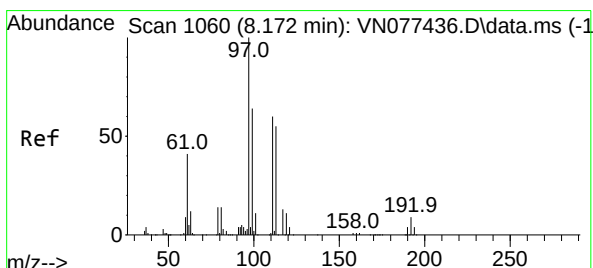
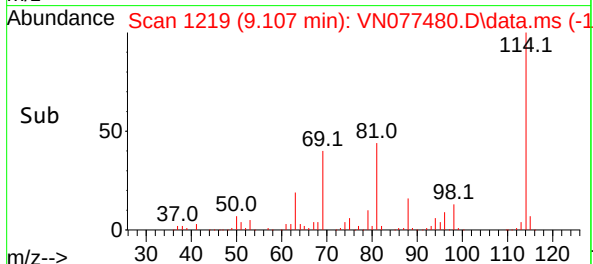
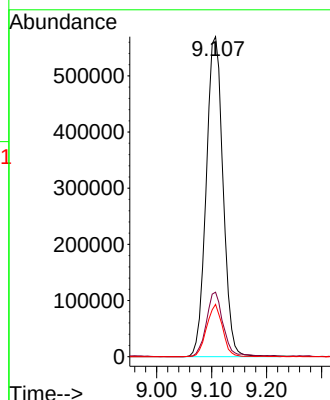
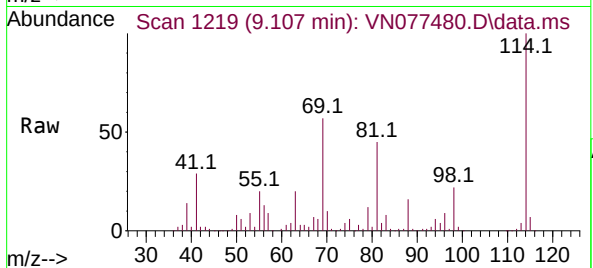
Tgt Ion:114 Resp: 1210863

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.762 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

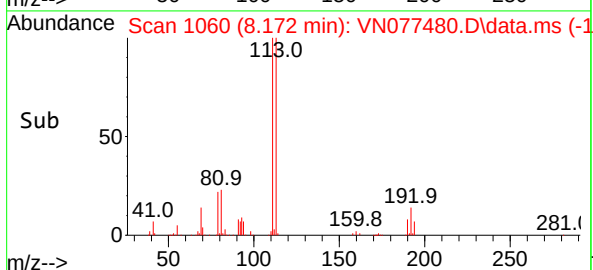
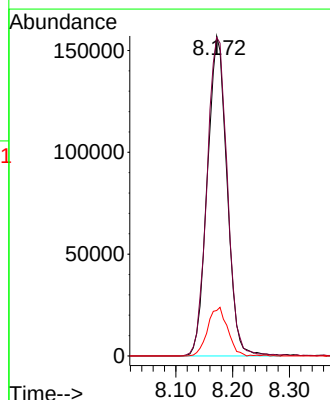
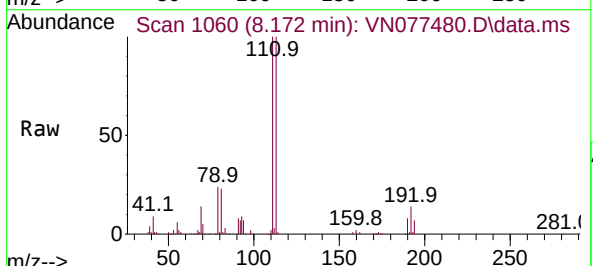
Tgt Ion:113 Resp: 376716

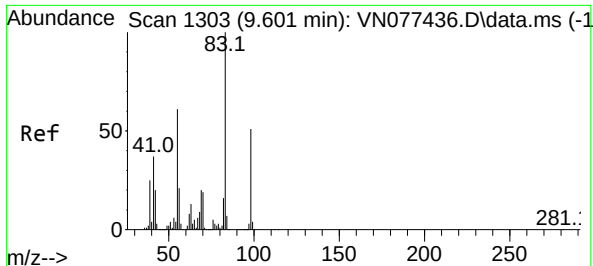
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 15.4 12.7 19.1





#39

Methylcyclohexane

Concen: 221.209 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW-5

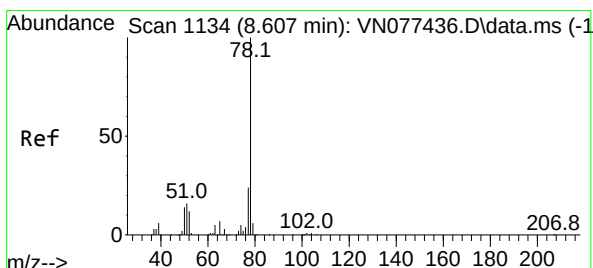
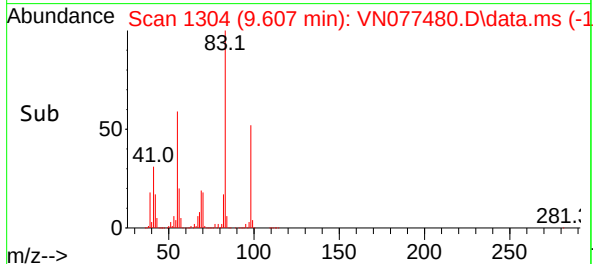
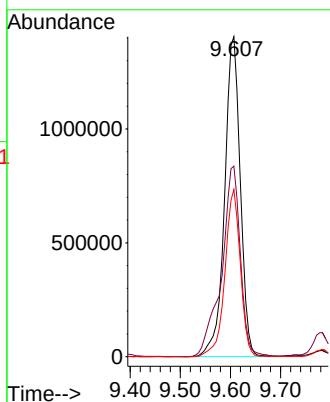
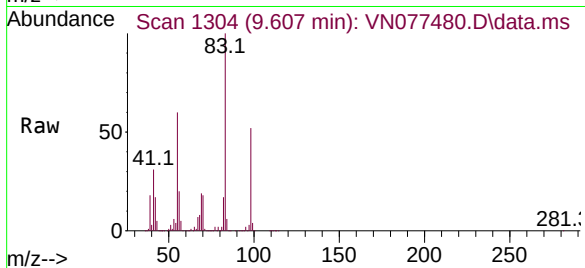
Tgt Ion: 83 Resp: 3064384

Ion Ratio Lower Upper

83 100

55 59.5 49.1 73.7

98 52.2 40.6 61.0



#40

Benzene

Concen: 3.713 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VN077480.D

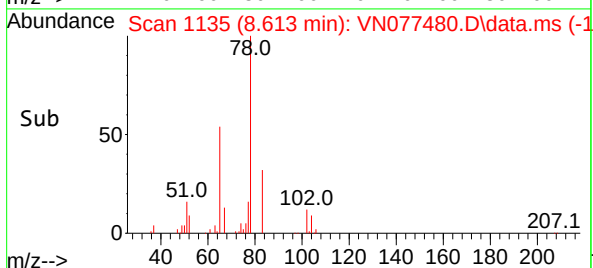
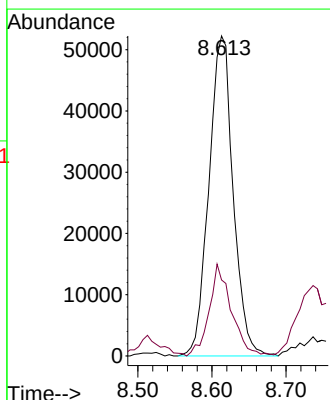
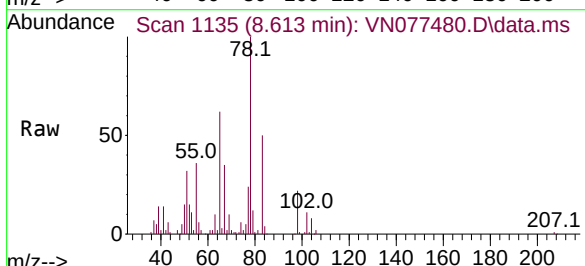
Acq: 25 Apr 2023 19:34

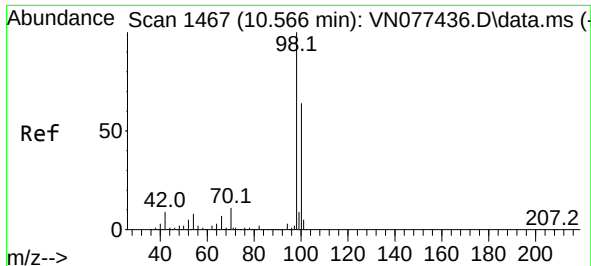
Tgt Ion: 78 Resp: 118927

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6

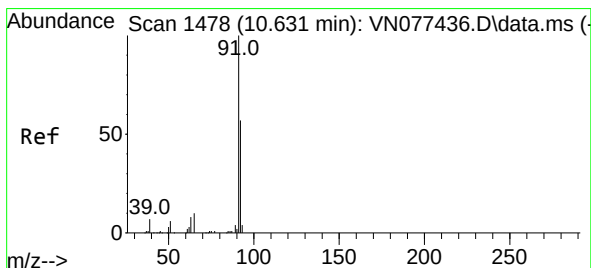
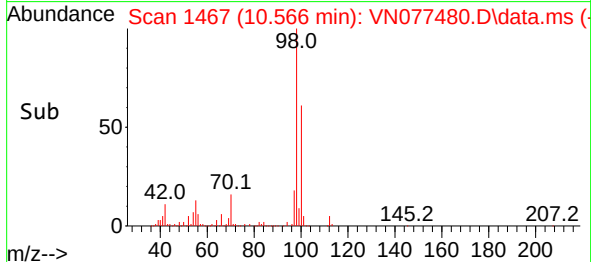
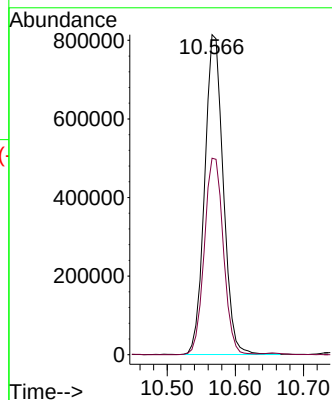
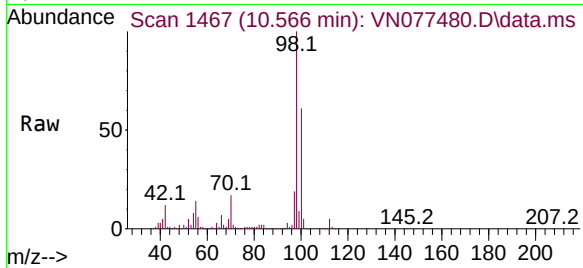




#50
Toluene-d8
Concen: 55.222 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

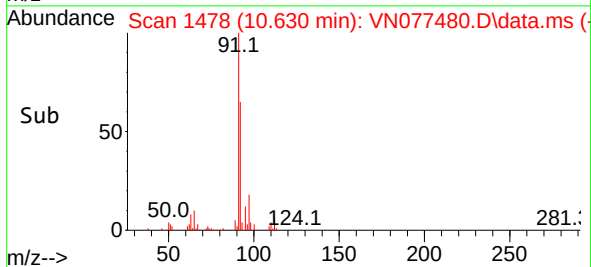
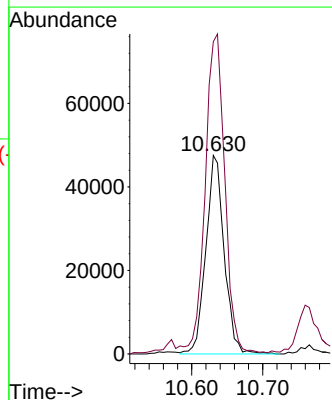
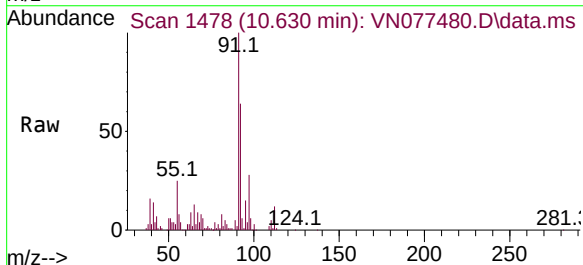
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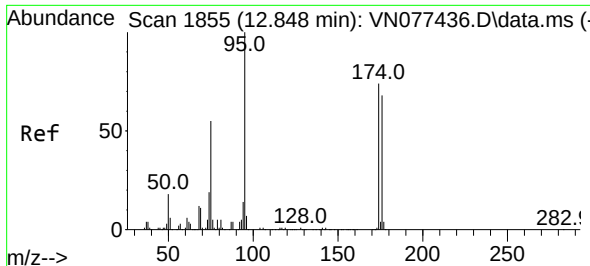
Tgt Ion: 98 Resp: 1540286
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0



#52
Toluene
Concen: 4.078 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion: 92 Resp: 85567
Ion Ratio Lower Upper
92 100
91 169.7 137.4 206.0

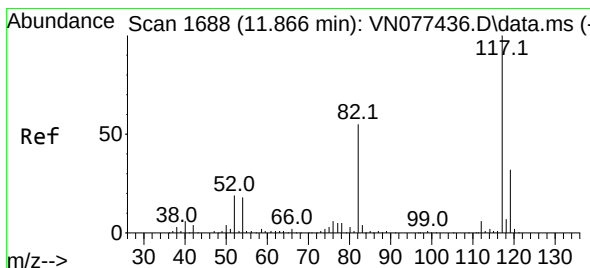
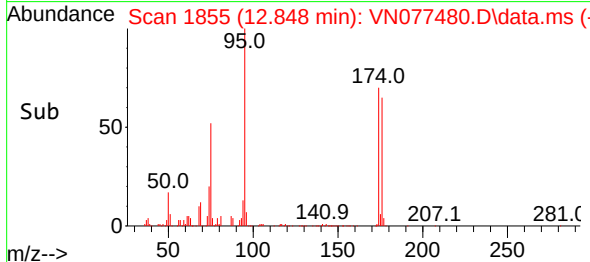
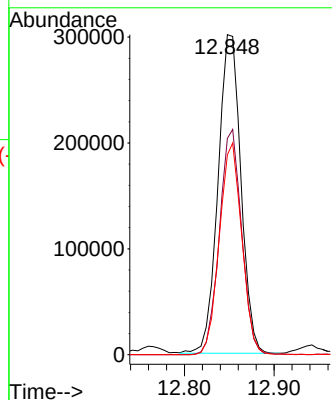
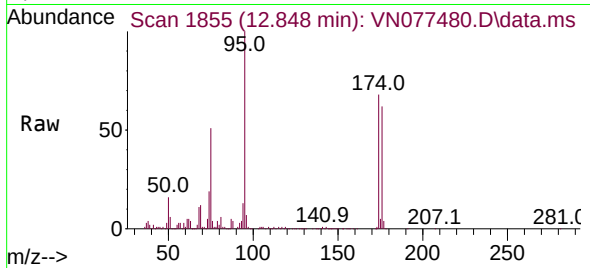




#62
4-Bromofluorobenzene
Concen: 58.434 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

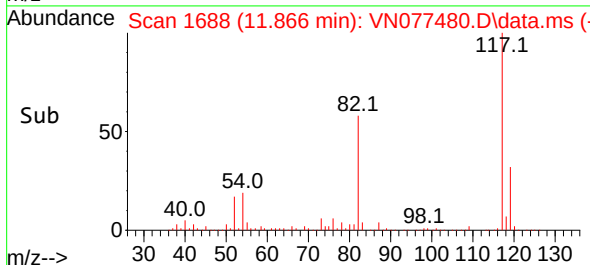
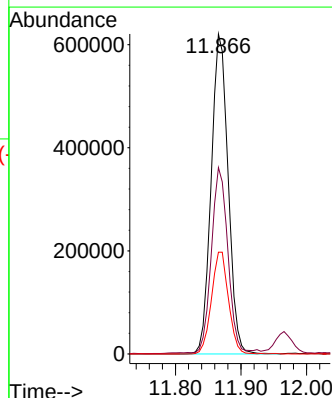
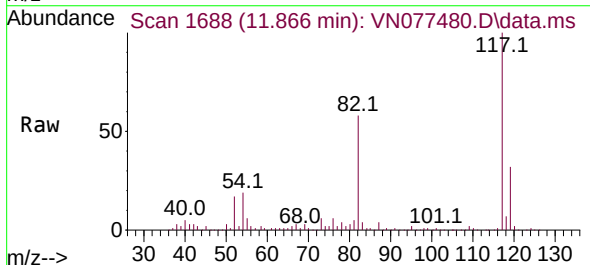
Instrument :
MSVOA_N
ClientSampleId :
MW-5

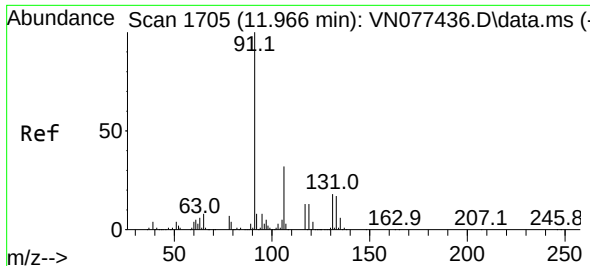
Tgt Ion: 95 Resp: 533259
Ion Ratio Lower Upper
95 100
174 68.6 0.0 143.8
176 65.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion: 117 Resp: 1112925
Ion Ratio Lower Upper
117 100
82 57.9 44.0 66.0
119 31.8 25.6 38.4

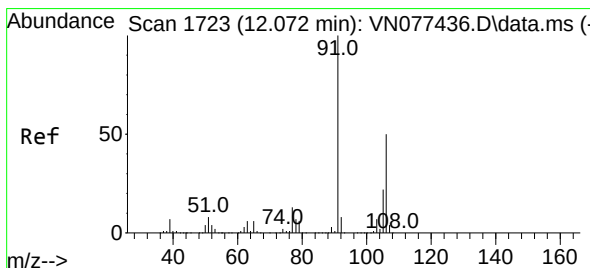
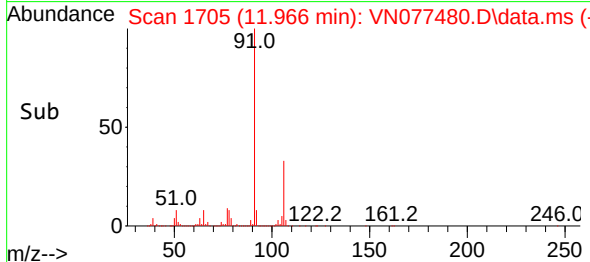
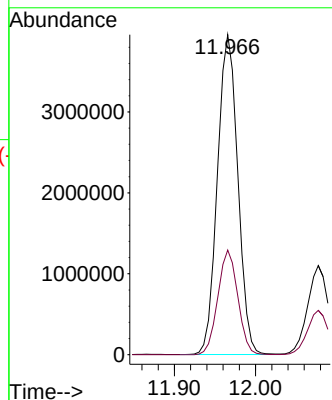
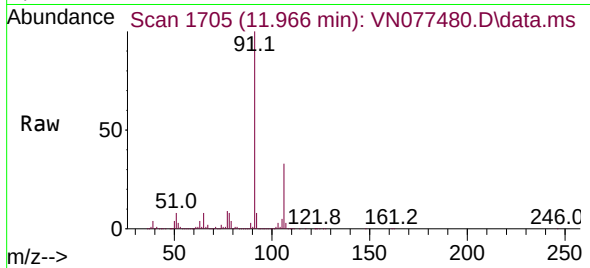




#67
Ethyl Benzene
Concen: 166.785 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

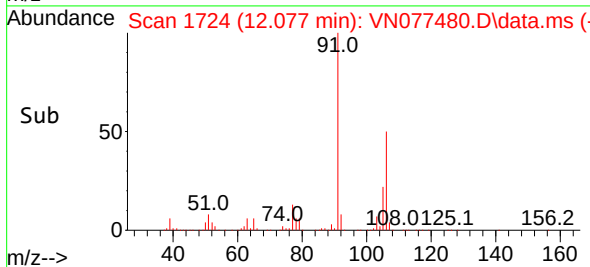
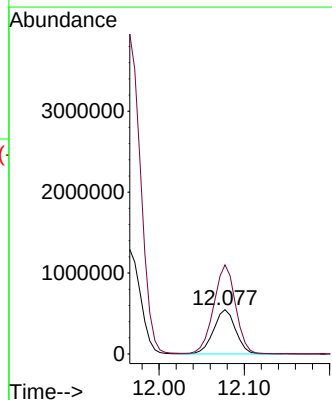
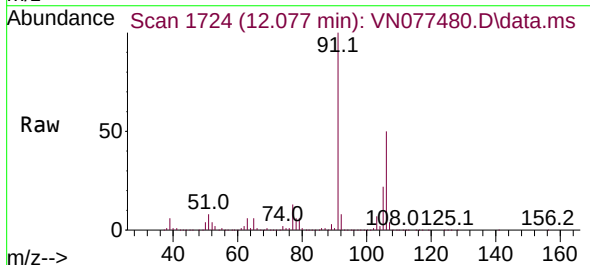
Instrument :
MSVOA_N
ClientSampleId :
MW-5

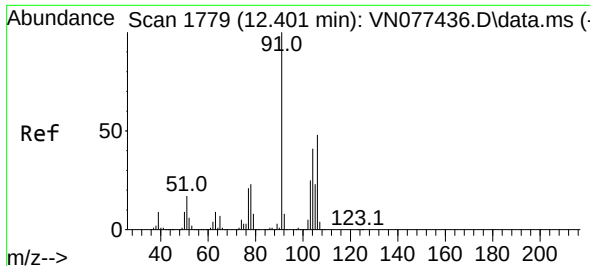
Tgt Ion: 91 Resp: 6914517
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4



#68
m/p-Xylenes
Concen: 60.829 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion:106 Resp: 980127
Ion Ratio Lower Upper
106 100
91 200.7 159.6 239.4

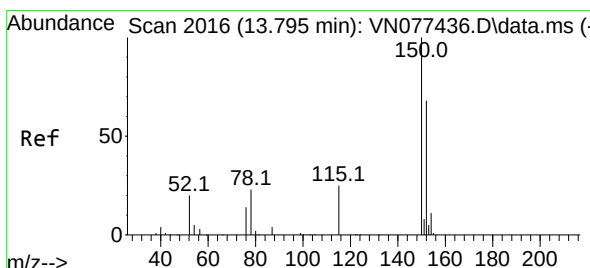
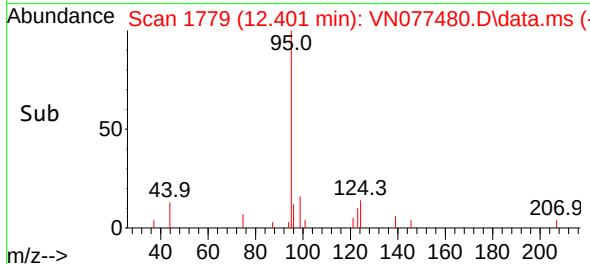
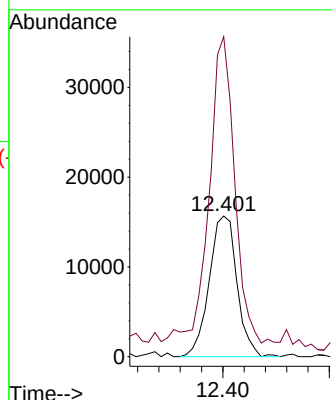
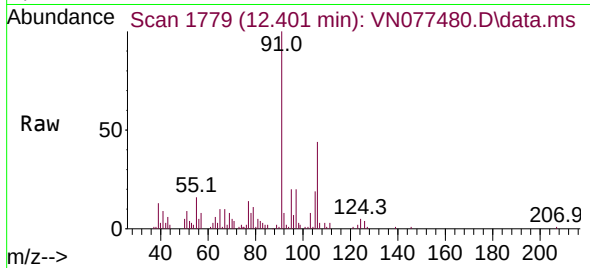




#69
o-Xylene
Concen: 1.785 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

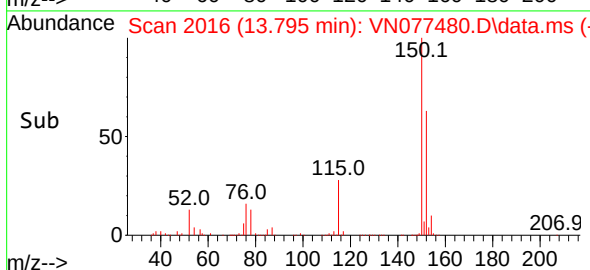
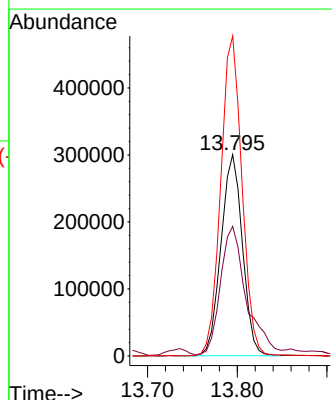
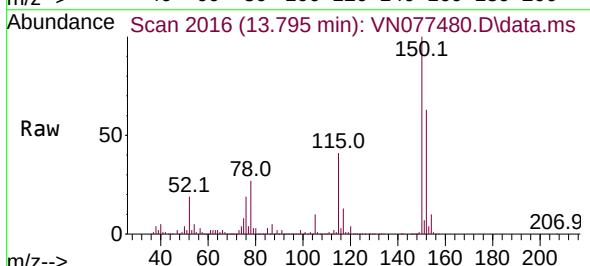
Instrument :
MSVOA_N
ClientSampleId :
MW-5

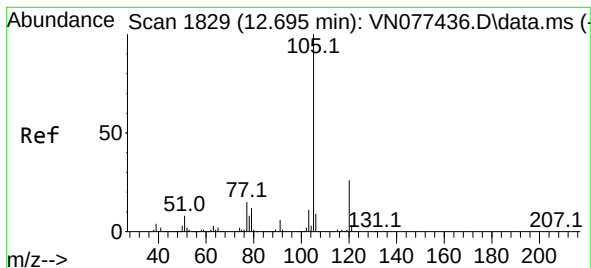
Tgt Ion:106 Resp: 28292
Ion Ratio Lower Upper
106 100
91 198.0 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Tgt Ion:152 Resp: 498476
Ion Ratio Lower Upper
152 100
115 77.3 32.3 96.8
150 157.7 0.0 355.8





#73

Isopropylbenzene

Concen: 85.372 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. -0.000 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

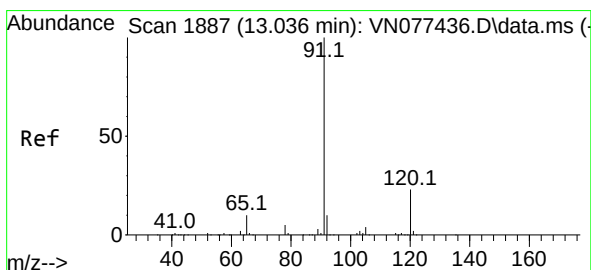
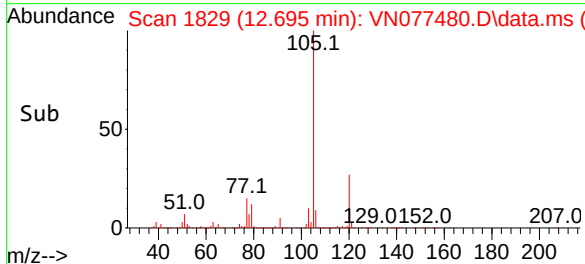
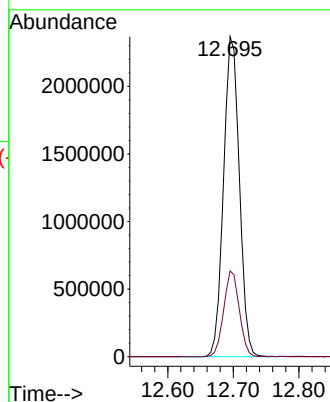
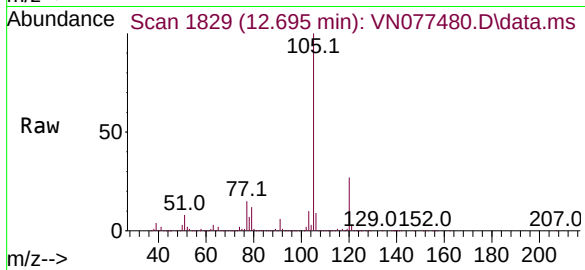
MW-5

Tgt Ion:105 Resp: 3948980

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.1



#78

n-propylbenzene

Concen: 254.602 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.000 min

Lab File: VN077480.D

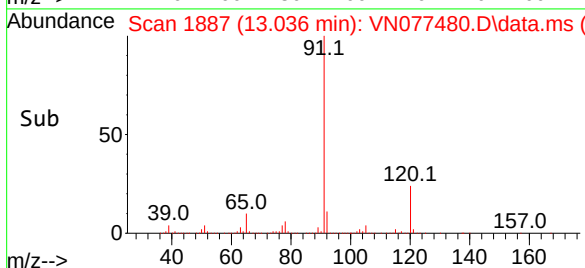
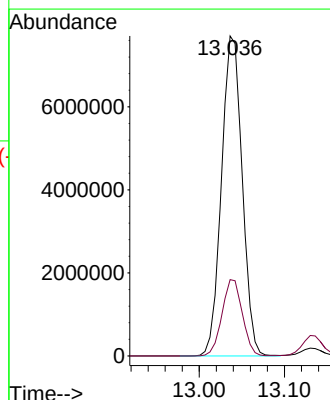
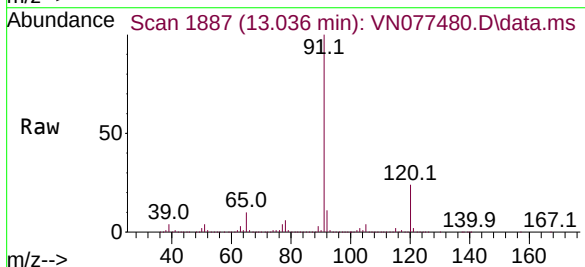
Acq: 25 Apr 2023 19:34

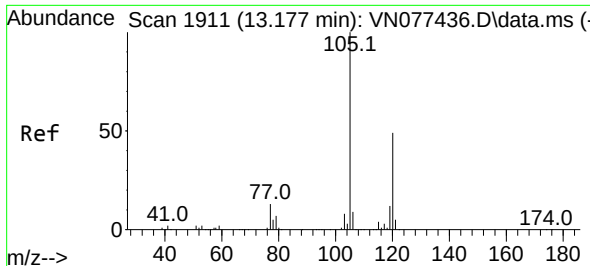
Tgt Ion: 91 Resp:13021814

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4

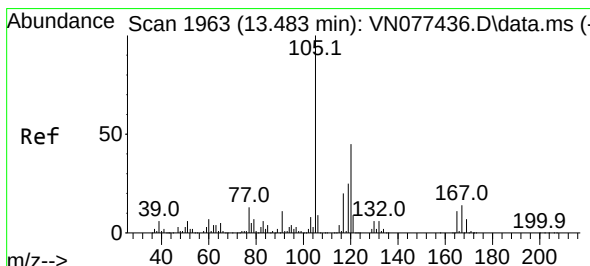
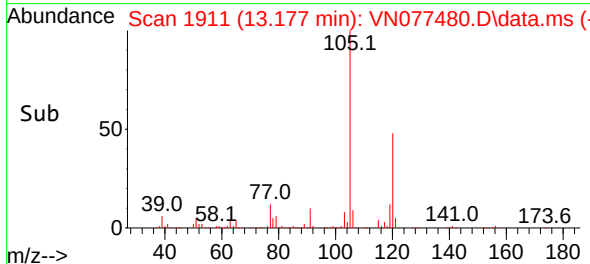
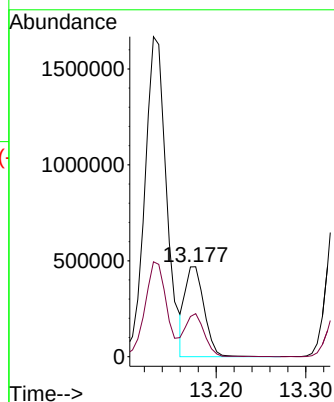
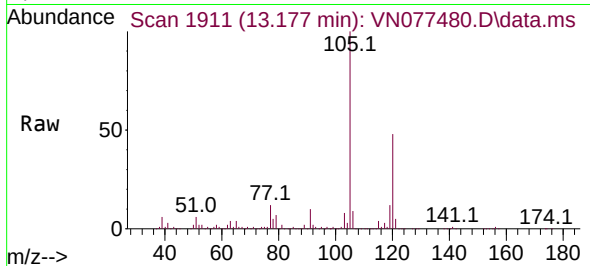




#80
 1,3,5-Trimethylbenzene
 Concen: 20.046 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. 0.000 min
 Lab File: VN077480.D
 Acq: 25 Apr 2023 19:34

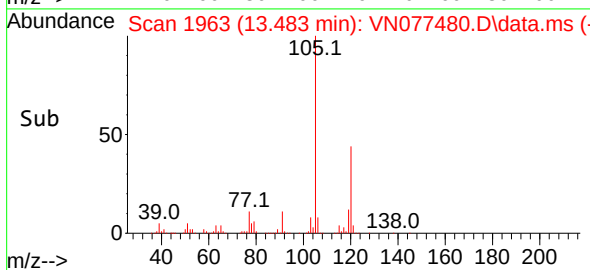
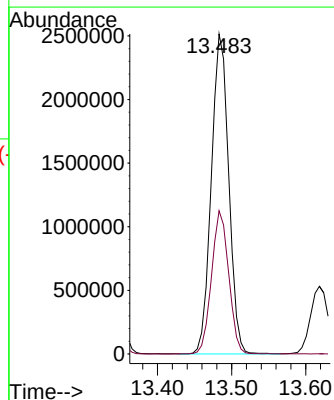
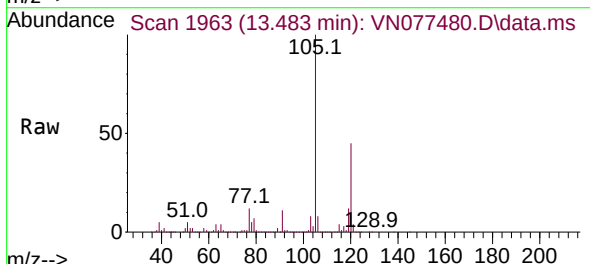
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

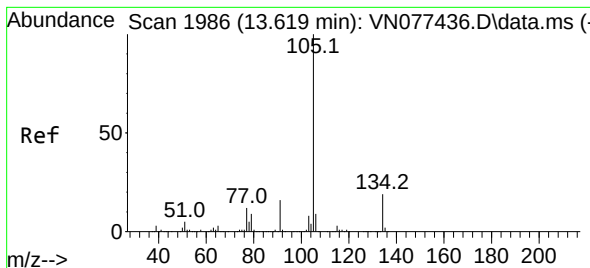
Tgt Ion:105 Resp: 688594
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 127.578 ug/l
 RT: 13.483 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VN077480.D
 Acq: 25 Apr 2023 19:34

Tgt Ion:105 Resp: 4092901
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0





#85

sec-Butylbenzene

Concen: 19.172 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

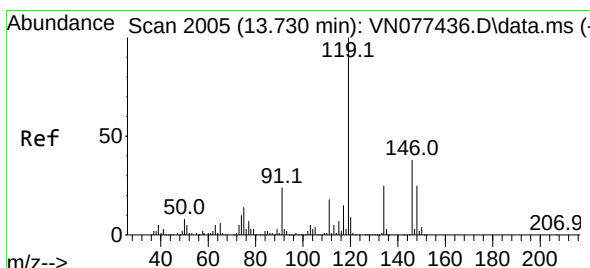
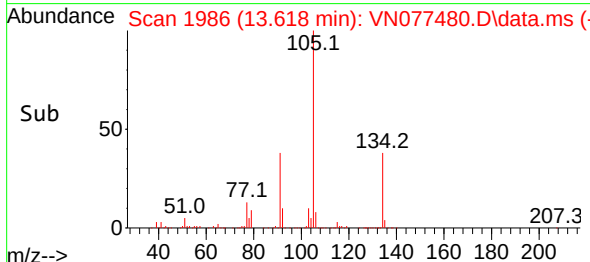
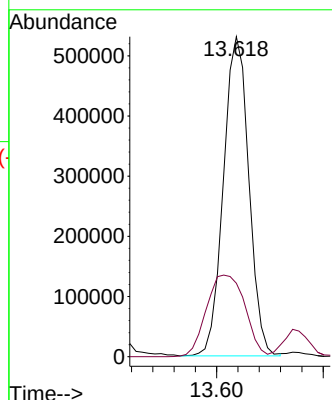
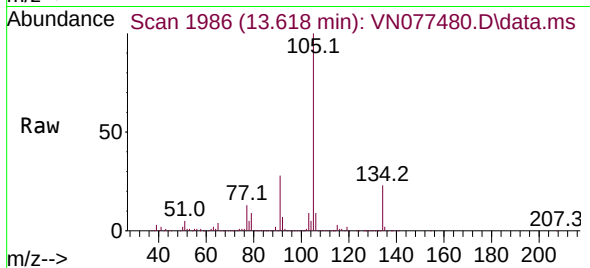
MW-5

Tgt Ion:105 Resp: 877853

Ion Ratio Lower Upper

105 100

134 38.8 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 5.529 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VN077480.D

Acq: 25 Apr 2023 19:34

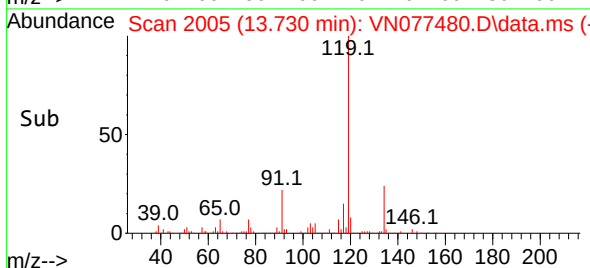
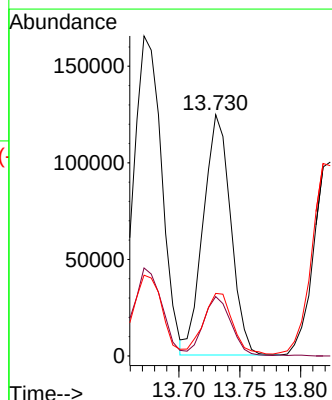
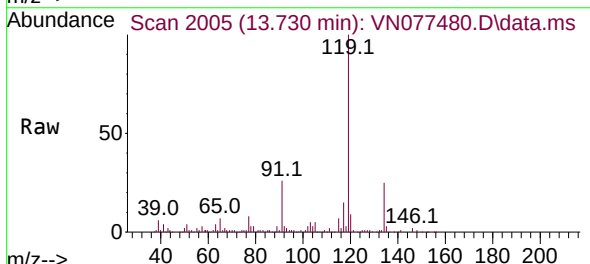
Tgt Ion:119 Resp: 194786

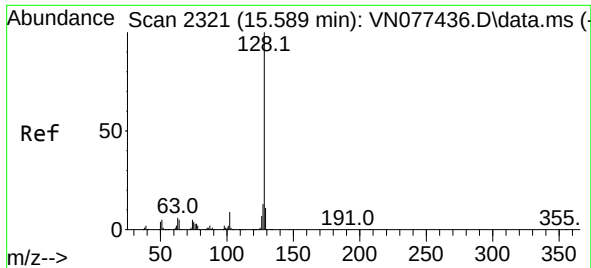
Ion Ratio Lower Upper

119 100

134 24.3 12.6 37.8

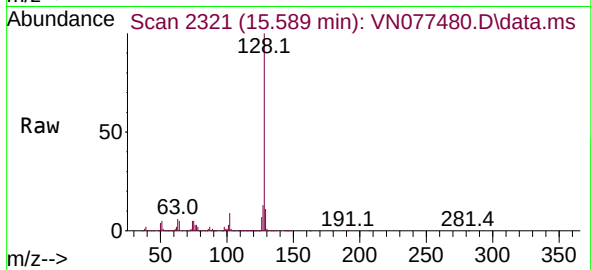
91 26.5 12.4 37.2





#95
Naphthalene
Concen: 133.480 ug/l
RT: 15.589 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077480.D
Acq: 25 Apr 2023 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW-5



Tgt Ion:128 Resp: 4958797
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.7 8.7 13.1

