

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077479.D
 Acq On : 25 Apr 2023 19:09
 Operator : JC\MD
 Sample : 02460-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Apr 26 04:24:00 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	655824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1237377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1118669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	484571	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	418215	48.870	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	8.172	113	369527	49.687	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.380%
50) Toluene-d8	10.566	98	1525408	53.516	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.040%
62) 4-Bromofluorobenzene	12.848	95	541041	58.016	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.040%

Target Compounds

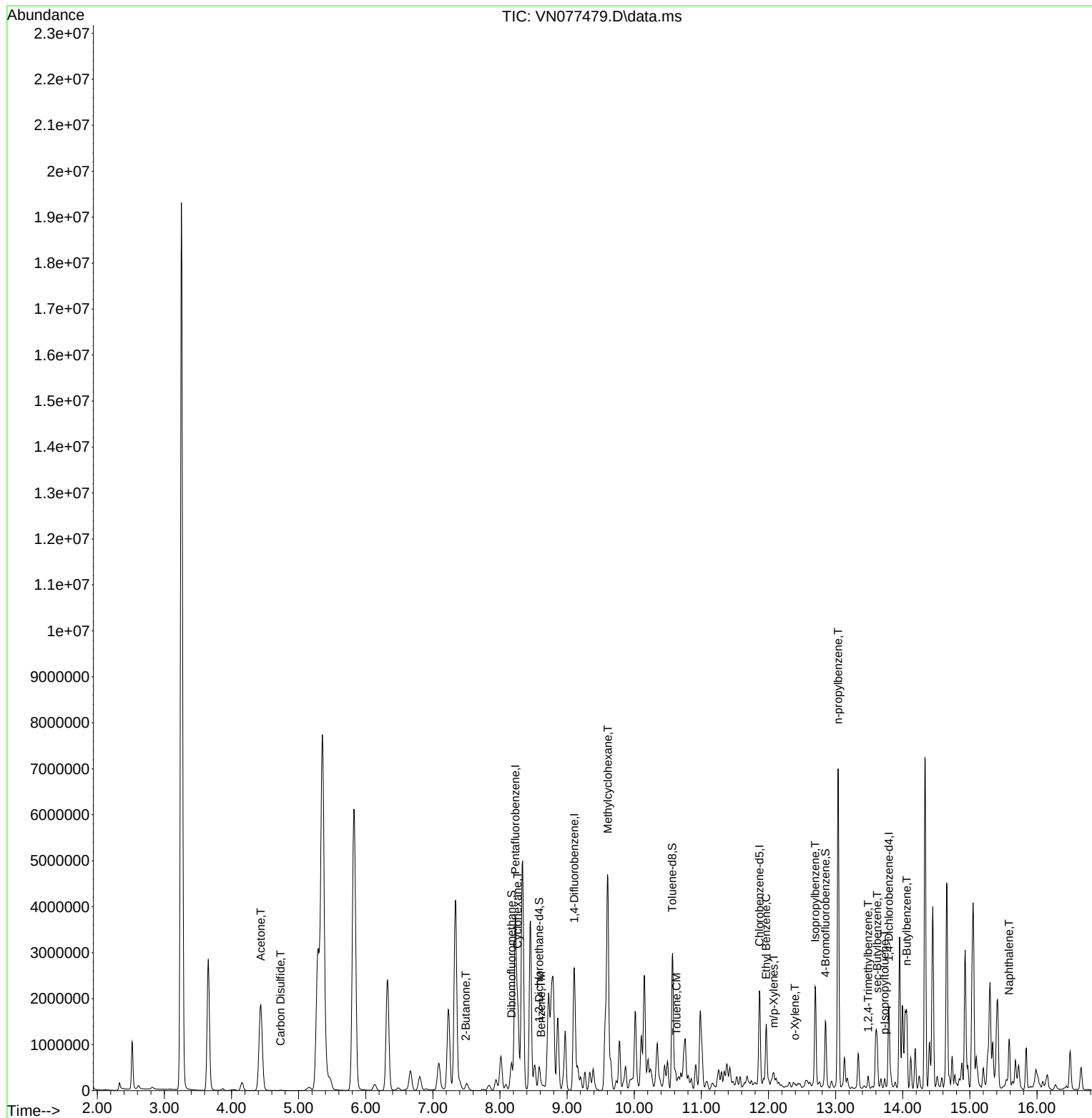
						Qvalue
16) Acetone	4.437	43	1013760	372.355	ug/l #	52
17) Carbon Disulfide	4.731	76	10904	0.586	ug/l	96
25) 2-Butanone	7.489	43	58736	15.211	ug/l #	45
31) Cyclohexane	8.260	56	1354123	111.700	ug/l #	95
39) Methylcyclohexane	9.607	83	2326797	164.366	ug/l	99
40) Benzene	8.613	78	31559	0.964	ug/l	90
52) Toluene	10.630	92	19340	0.902	ug/l	99
67) Ethyl Benzene	11.966	91	795377	19.087	ug/l	100
68) m/p-Xylenes	12.077	106	110961	6.851	ug/l	99
69) o-Xylene	12.395	106	7828	0.491	ug/l	78
73) Isopropylbenzene	12.695	105	1561396	34.724	ug/l	100
78) n-propylbenzene	13.036	91	5788854	116.431	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	155389	4.983	ug/l	98
85) sec-Butylbenzene	13.618	105	707067	15.885	ug/l #	49
86) p-Isopropyltoluene	13.730	119	114990	3.358	ug/l	97
89) n-Butylbenzene	14.060	91	1093903	41.273	ug/l #	78
95) Naphthalene	15.583	128	925894	45.592	ug/l	99

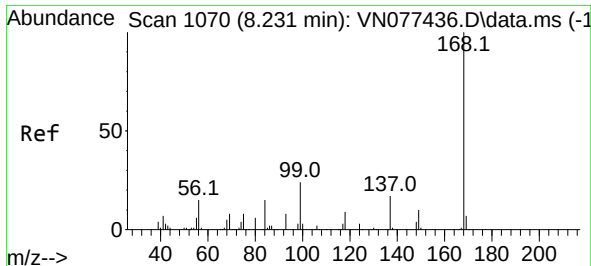
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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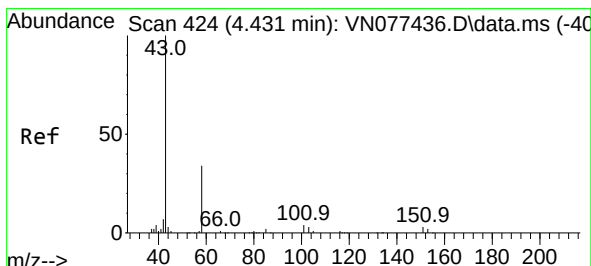
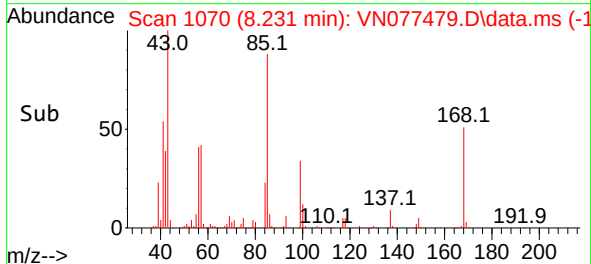
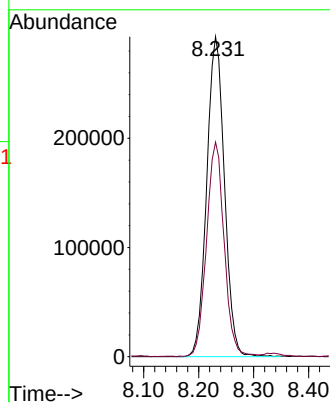
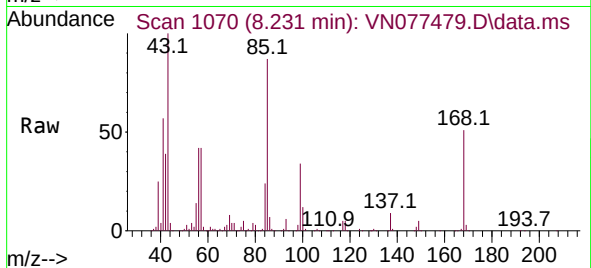




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

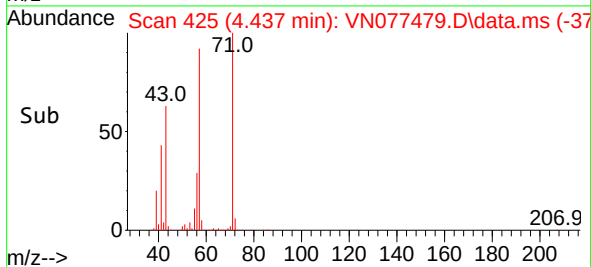
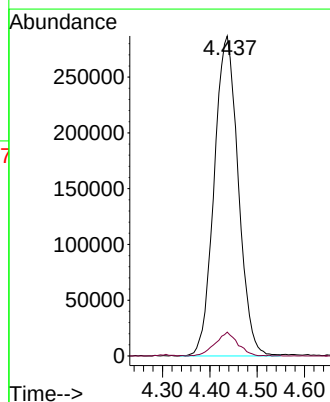
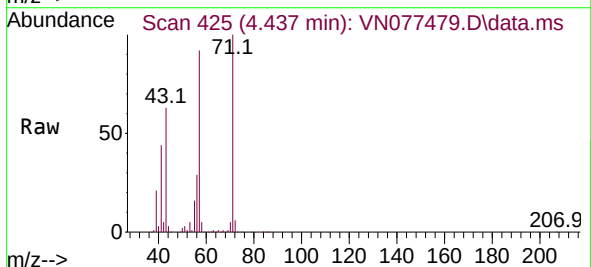
Instrument :
MSVOA_N
ClientSampleId :
MW-1

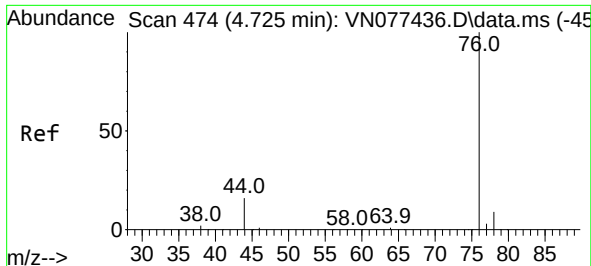
Tgt Ion:168 Resp: 655824
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#16
Acetone
Concen: 372.355 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion: 43 Resp: 1013760
Ion Ratio Lower Upper
43 100
58 7.4 28.0 42.0#

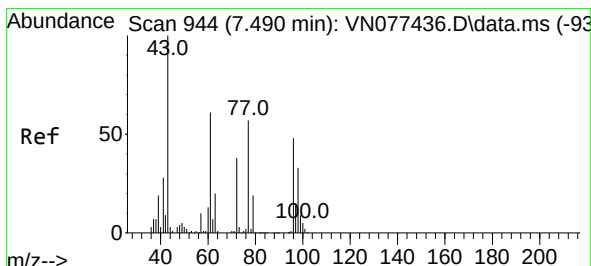
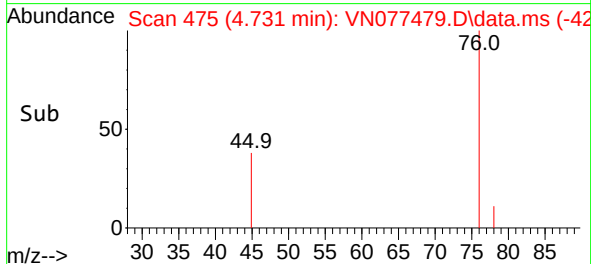
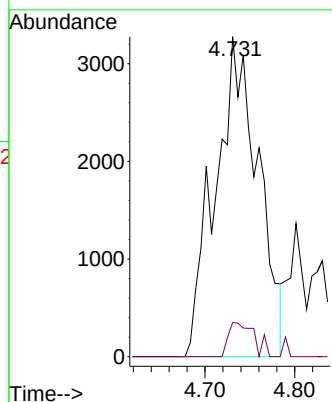
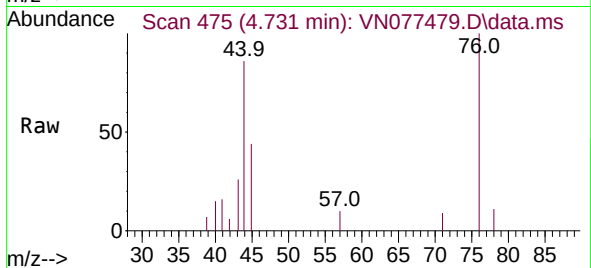




#17
Carbon Disulfide
Concen: 0.586 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

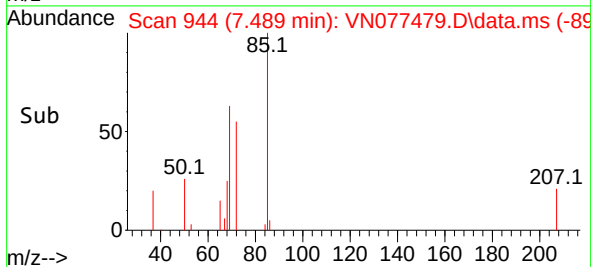
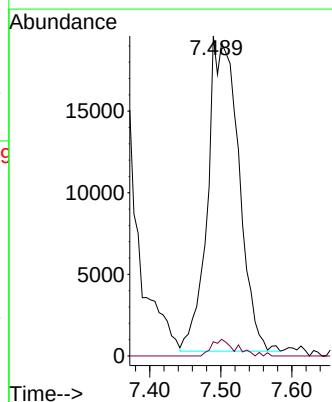
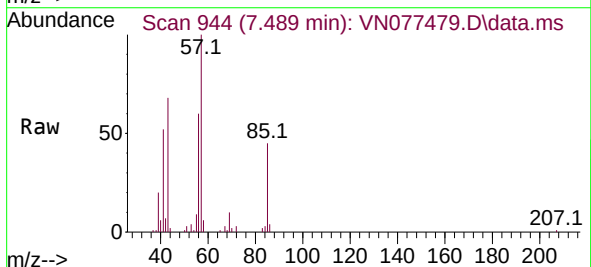
Instrument :
MSVOA_N
ClientSampleId :
MW-1

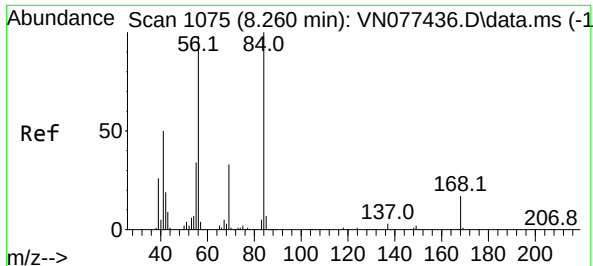
Tgt Ion: 76 Resp: 10904
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0



#25
2-Butanone
Concen: 15.211 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion: 43 Resp: 58736
Ion Ratio Lower Upper
43 100
72 4.5 30.2 45.2#

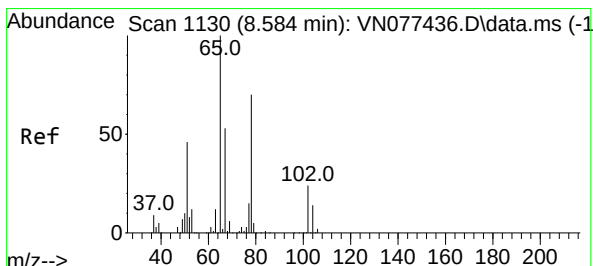
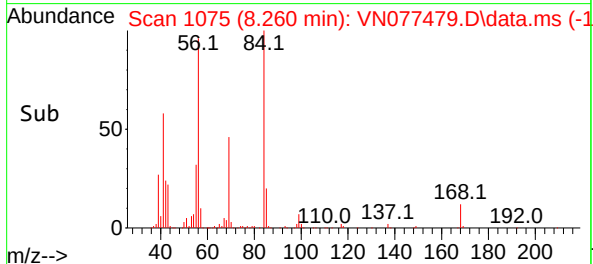
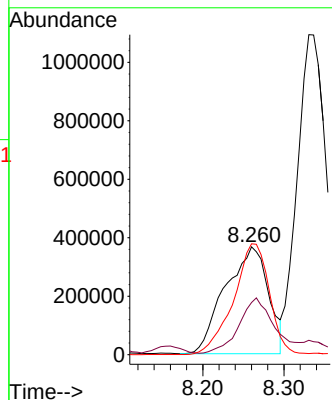
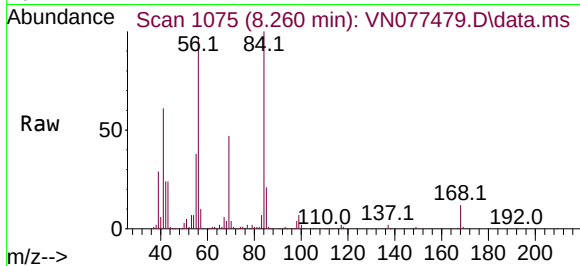




#31
Cyclohexane
Concen: 111.700 ug/l
RT: 8.260 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

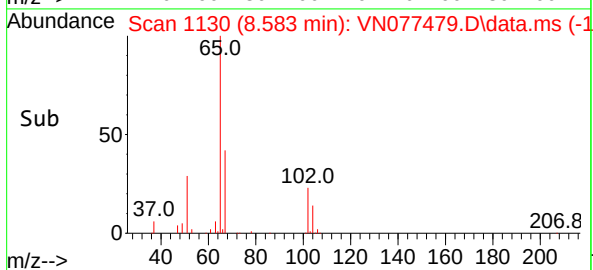
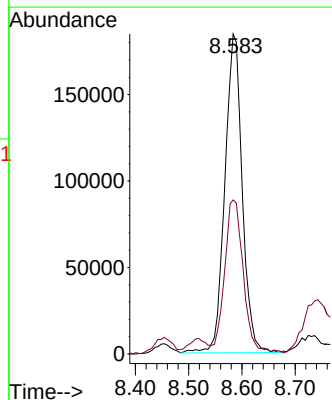
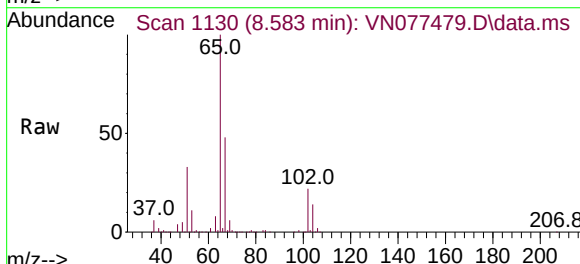
Instrument :
MSVOA_N
ClientSampleId :
MW-1

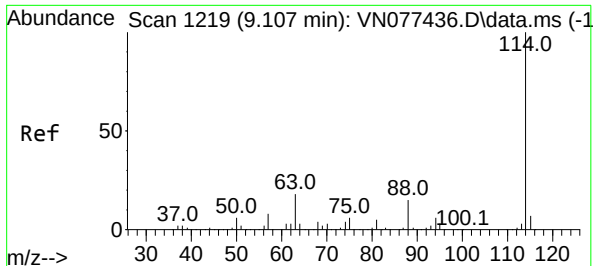
Tgt Ion: 56 Resp: 1354123
Ion Ratio Lower Upper
56 100
69 42.9 26.8 40.2#
84 103.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.870 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion: 65 Resp: 418215
Ion Ratio Lower Upper
65 100
67 51.3 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: VN077479.D

Acq: 25 Apr 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-1

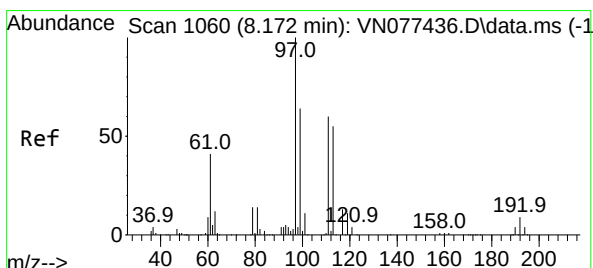
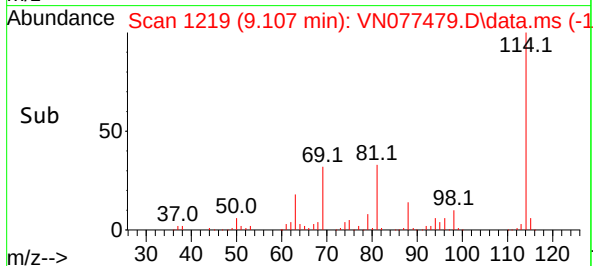
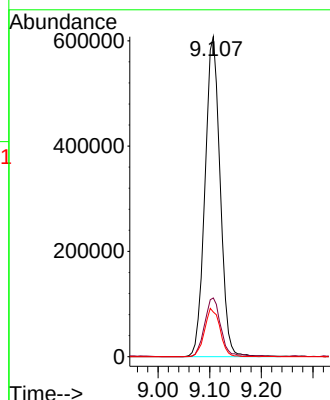
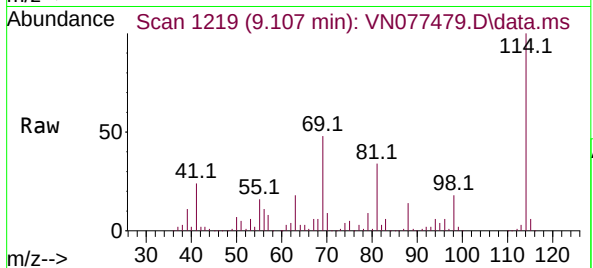
Tgt Ion:114 Resp: 1237377

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.4

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.687 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077479.D

Acq: 25 Apr 2023 19:09

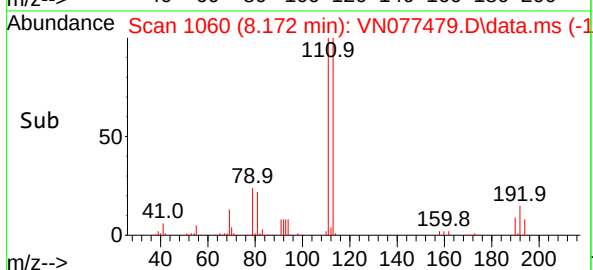
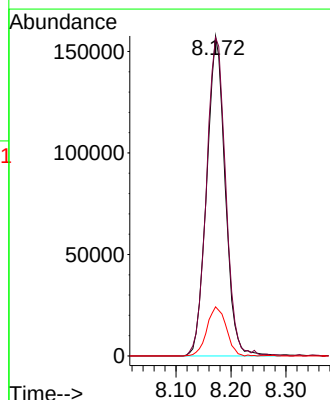
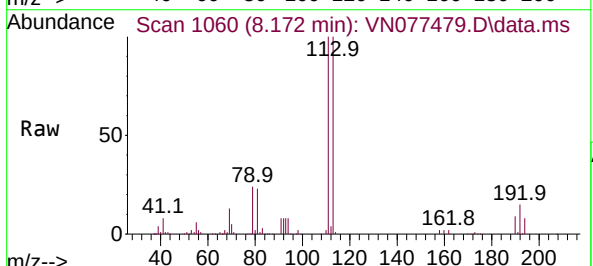
Tgt Ion:113 Resp: 369527

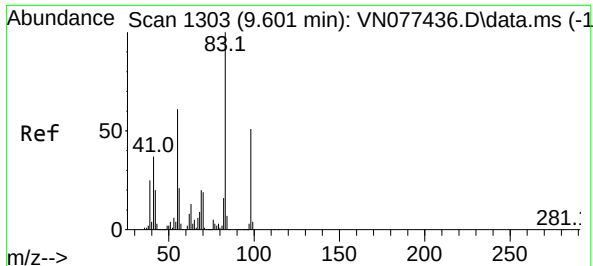
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 16.0 12.7 19.1





#39

Methylcyclohexane

Concen: 164.366 ug/l

RT: 9.607 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VN077479.D

Acq: 25 Apr 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-1

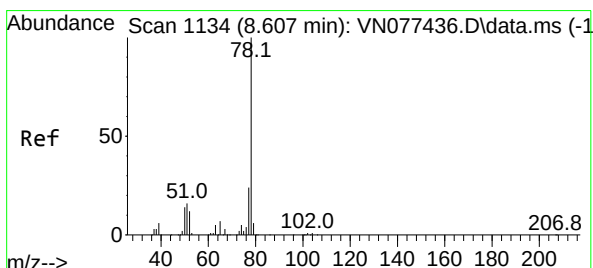
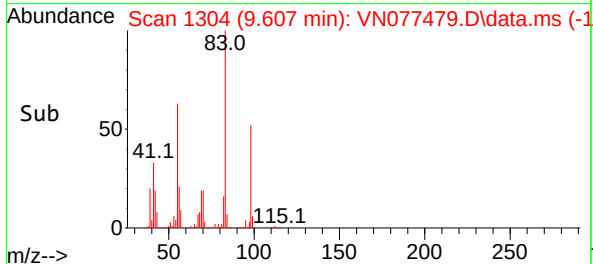
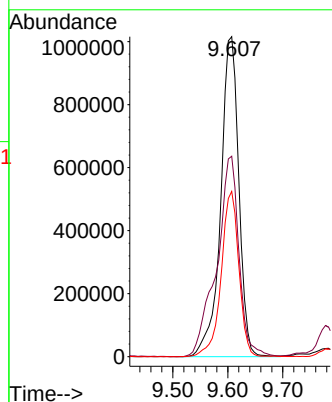
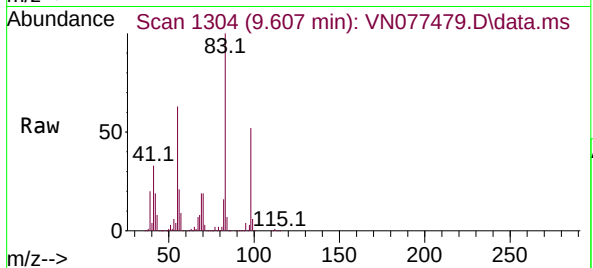
Tgt Ion: 83 Resp: 2326797

Ion Ratio Lower Upper

83 100

55 62.6 49.1 73.7

98 51.7 40.6 61.0



#40

Benzene

Concen: 0.964 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VN077479.D

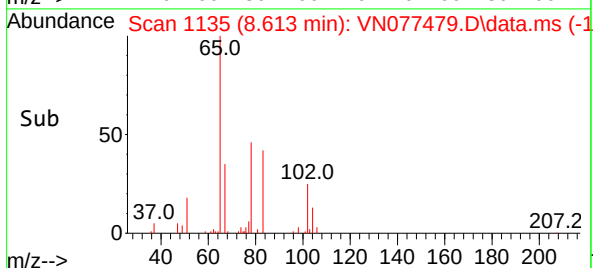
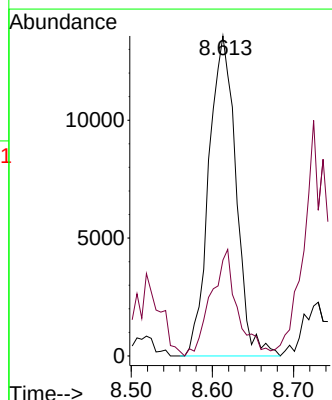
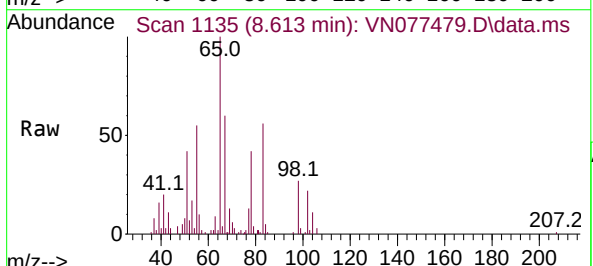
Acq: 25 Apr 2023 19:09

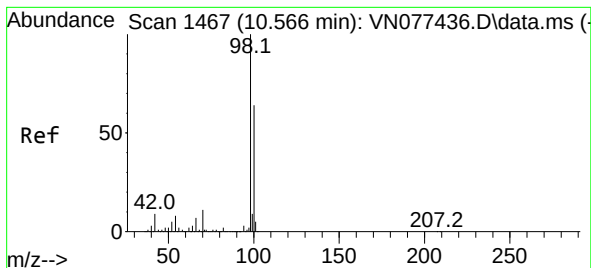
Tgt Ion: 78 Resp: 31559

Ion Ratio Lower Upper

78 100

77 28.5 19.0 28.6

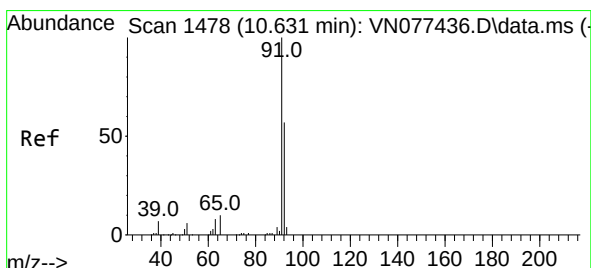
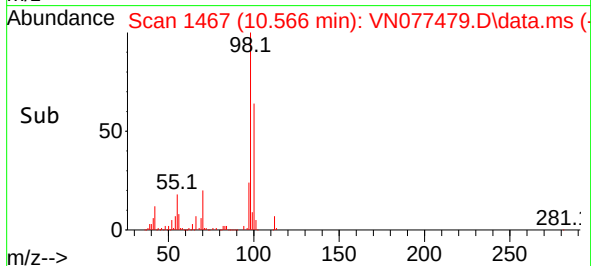
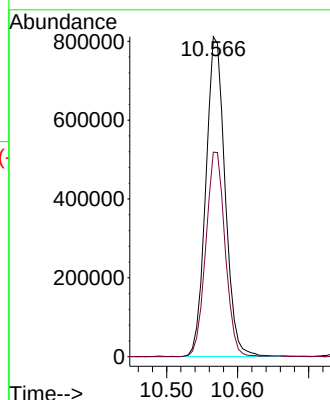
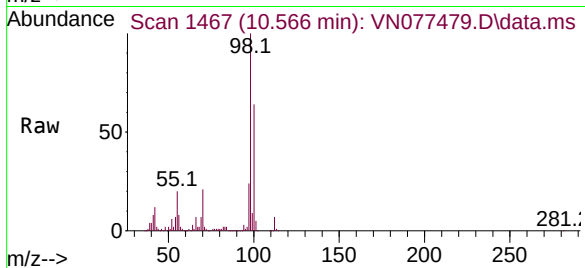




#50
Toluene-d8
Concen: 53.516 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

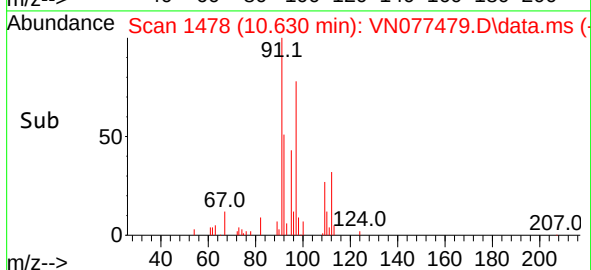
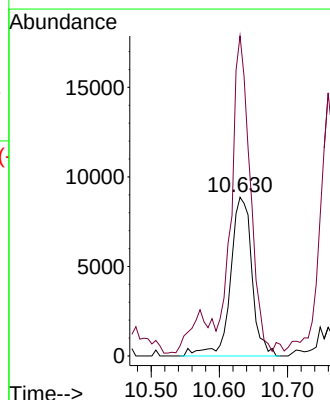
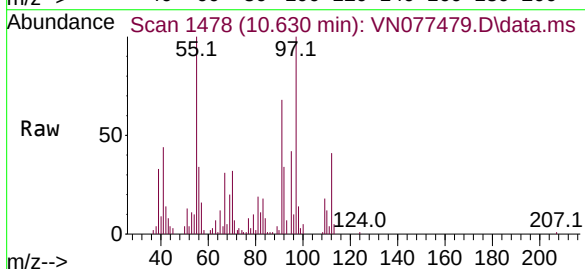
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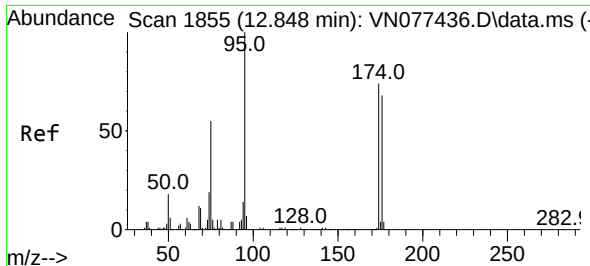
Tgt Ion: 98 Resp: 1525408
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#52
Toluene
Concen: 0.902 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion: 92 Resp: 19340
Ion Ratio Lower Upper
92 100
91 172.4 137.4 206.0

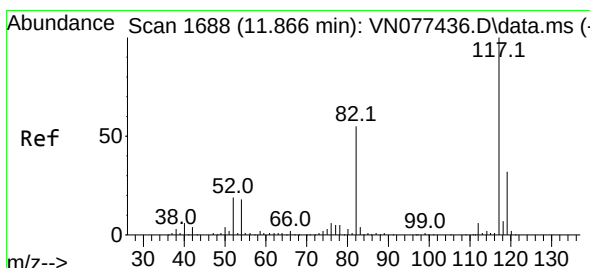
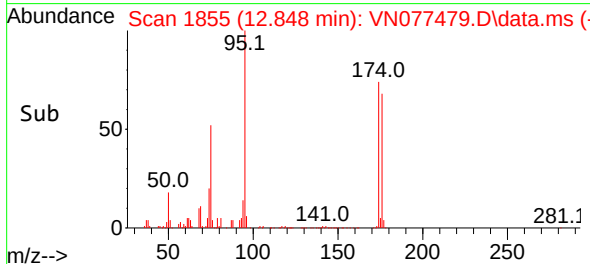
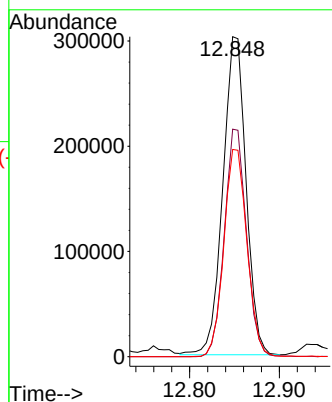
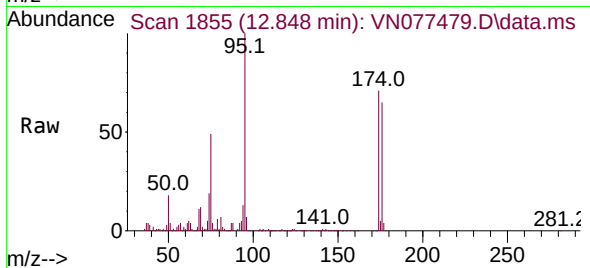




#62
4-Bromofluorobenzene
Concen: 58.016 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

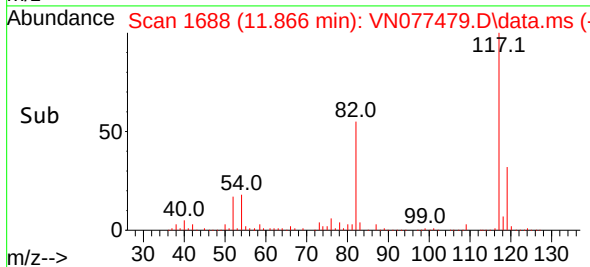
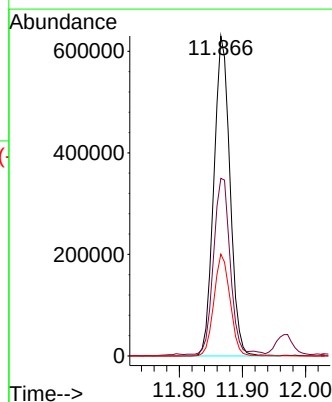
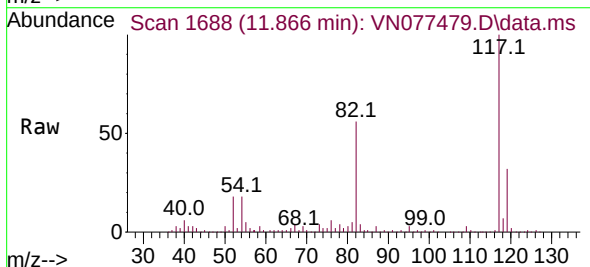
Instrument :
MSVOA_N
ClientSampleId :
MW-1

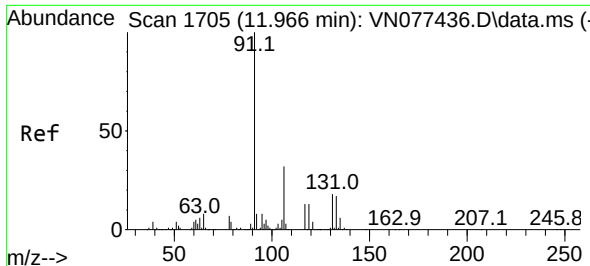
Tgt Ion: 95 Resp: 541041
Ion Ratio Lower Upper
95 100
174 68.4 0.0 143.8
176 65.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion: 117 Resp: 1118669
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 31.8 25.6 38.4

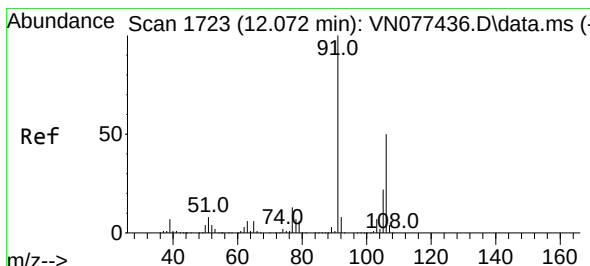
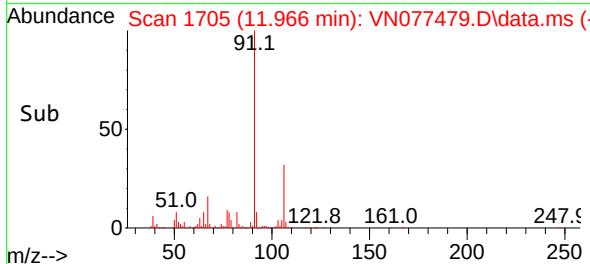
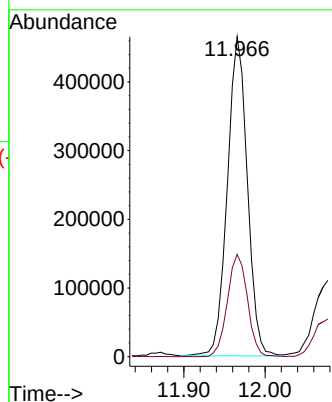
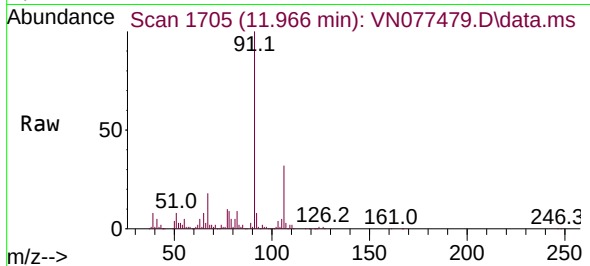




#67
Ethyl Benzene
Concen: 19.087 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

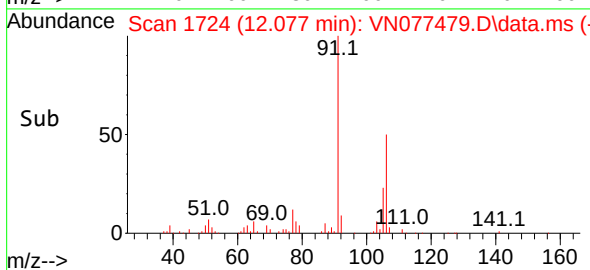
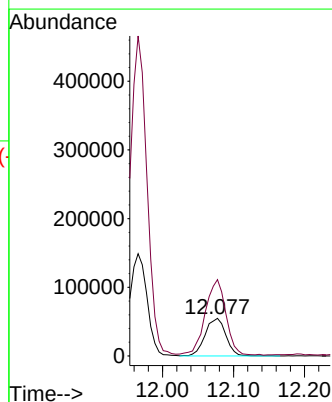
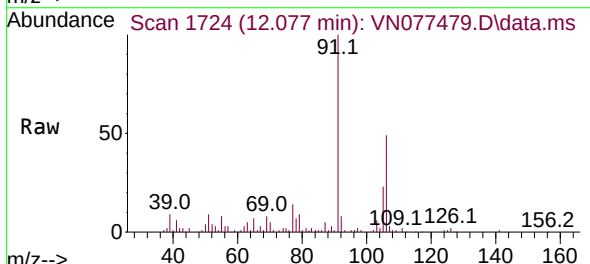
Instrument :
MSVOA_N
ClientSampleId :
MW-1

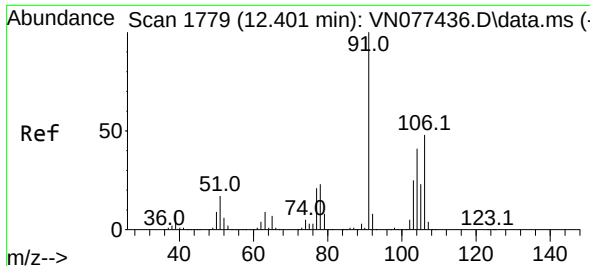
Tgt Ion: 91 Resp: 795377
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4



#68
m/p-Xylenes
Concen: 6.851 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion:106 Resp: 110961
Ion Ratio Lower Upper
106 100
91 201.3 159.6 239.4

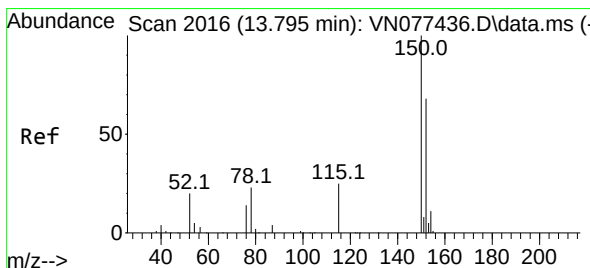
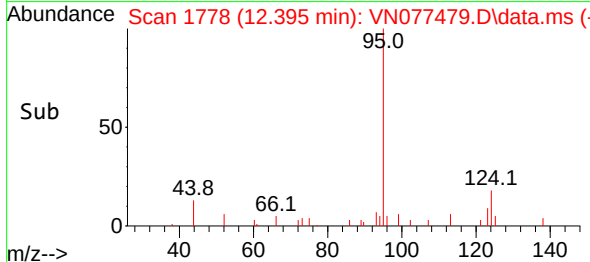
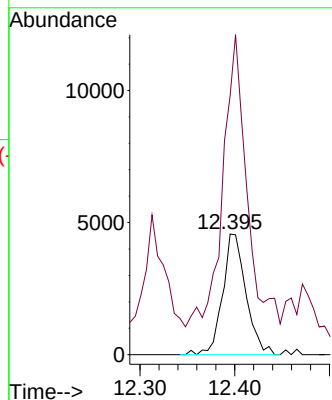
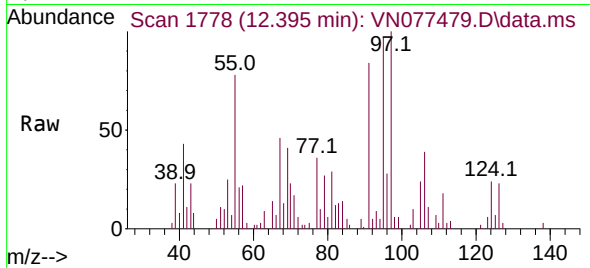




#69
o-Xylene
Concen: 0.491 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

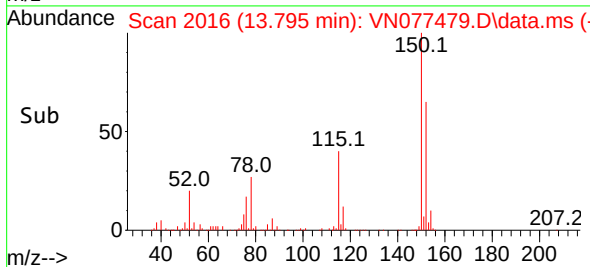
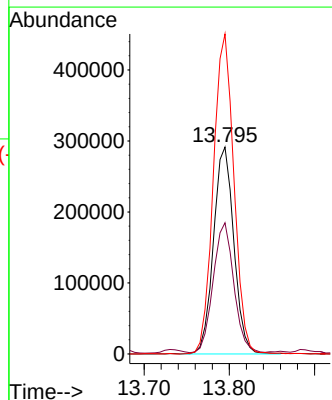
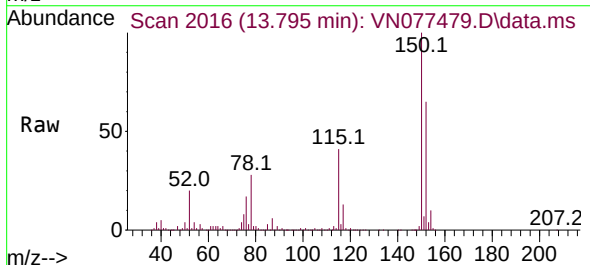
Instrument :
MSVOA_N
ClientSampleId :
MW-1

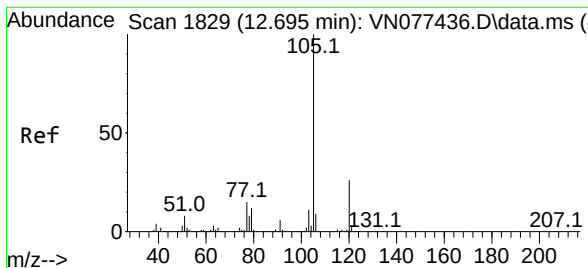
Tgt Ion:106 Resp: 7828
Ion Ratio Lower Upper
106 100
91 244.7 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077479.D
Acq: 25 Apr 2023 19:09

Tgt Ion:152 Resp: 484571
Ion Ratio Lower Upper
152 100
115 63.6 32.3 96.8
150 155.8 0.0 355.8





#73

Isopropylbenzene

Concen: 34.724 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. -0.000 min

Lab File: VN077479.D

Acq: 25 Apr 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

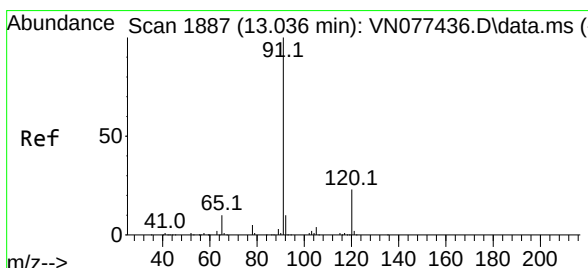
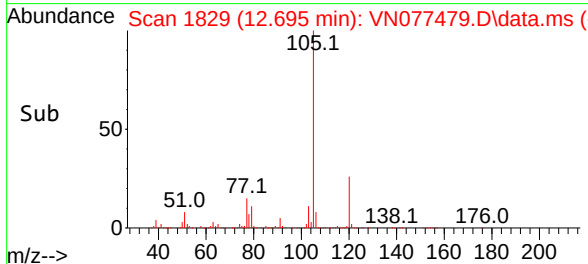
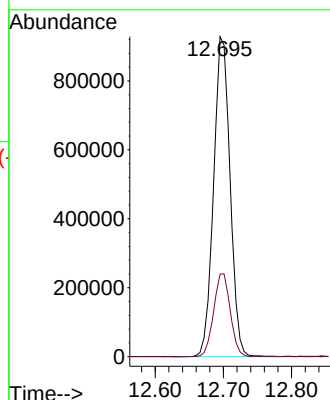
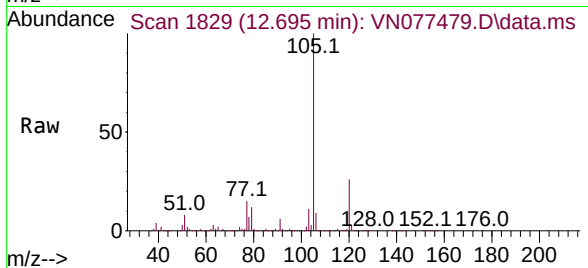
MW-1

Tgt Ion:105 Resp: 1561396

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#78

n-propylbenzene

Concen: 116.431 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.000 min

Lab File: VN077479.D

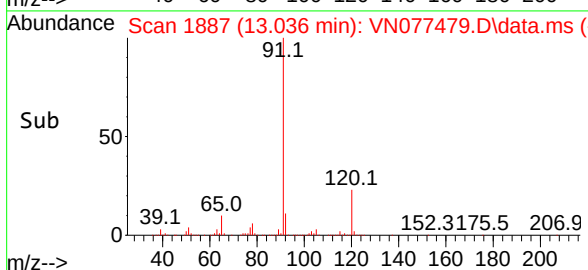
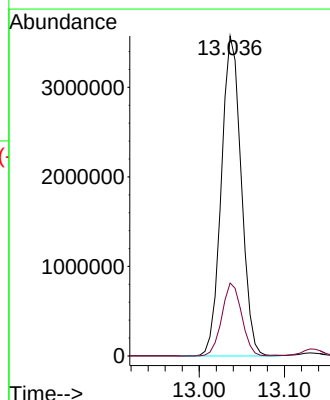
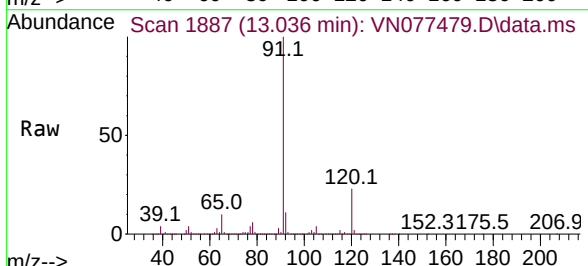
Acq: 25 Apr 2023 19:09

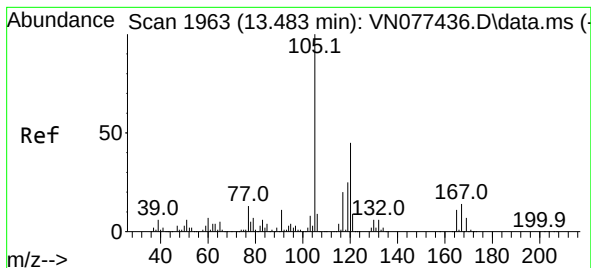
Tgt Ion: 91 Resp: 5788854

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 4.983 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN077479.D

Acq: 25 Apr 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

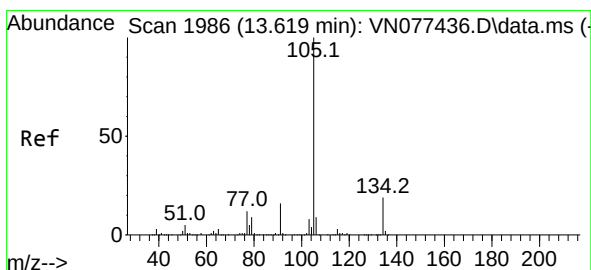
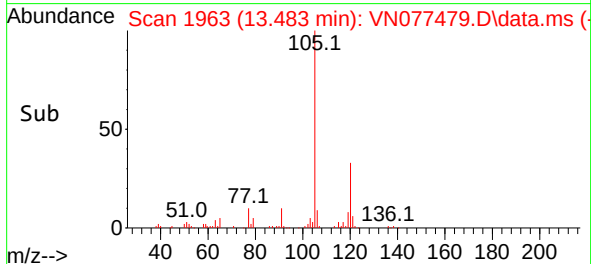
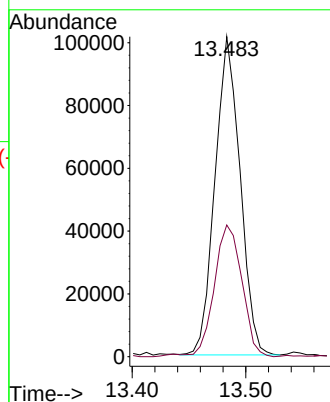
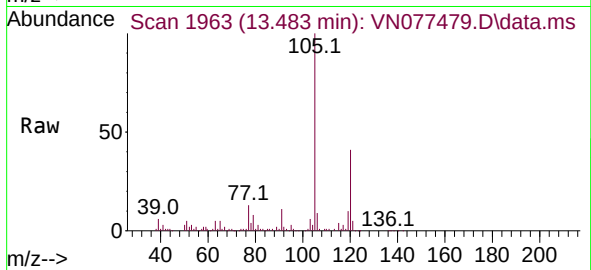
MW-1

Tgt Ion:105 Resp: 155389

Ion Ratio Lower Upper

105 100

120 45.4 22.0 66.0



#85

sec-Butylbenzene

Concen: 15.885 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN077479.D

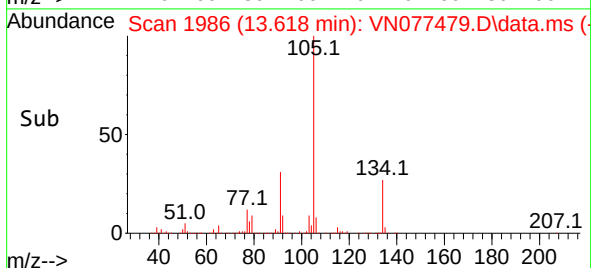
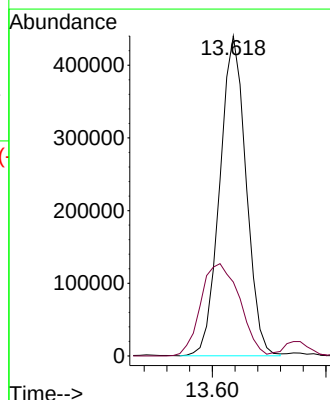
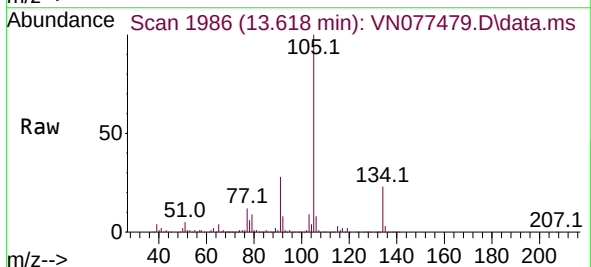
Acq: 25 Apr 2023 19:09

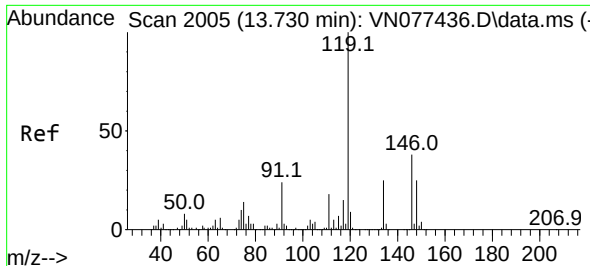
Tgt Ion:105 Resp: 707067

Ion Ratio Lower Upper

105 100

134 42.6 9.8 29.3#

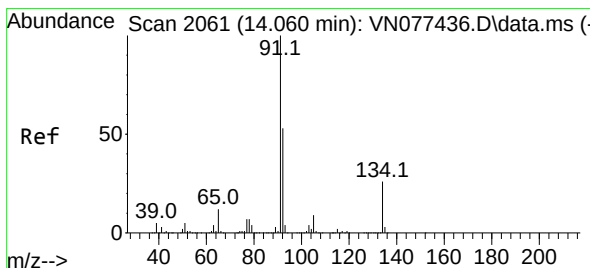
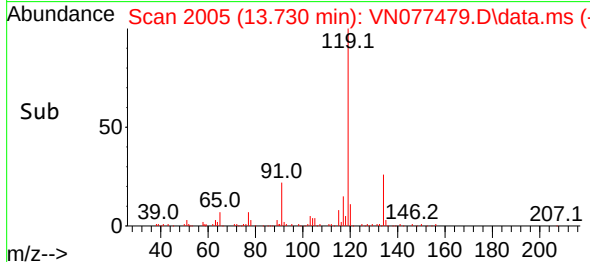
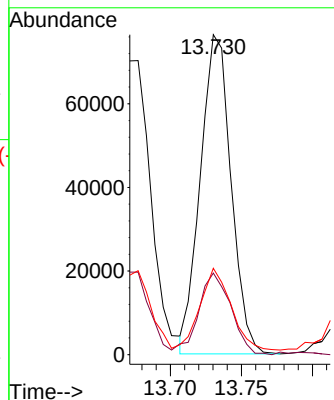
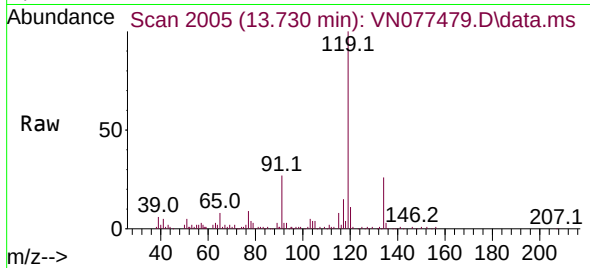




#86
 p-Isopropyltoluene
 Concen: 3.358 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VN077479.D
 Acq: 25 Apr 2023 19:09

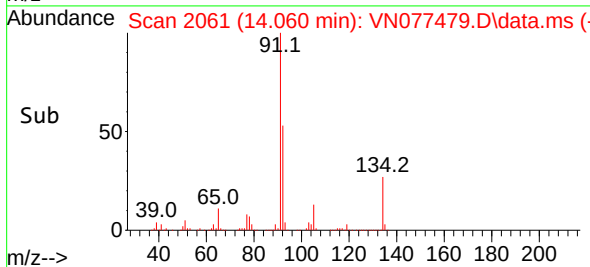
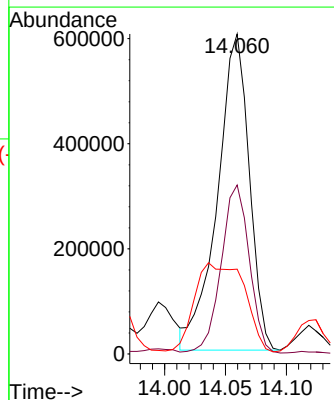
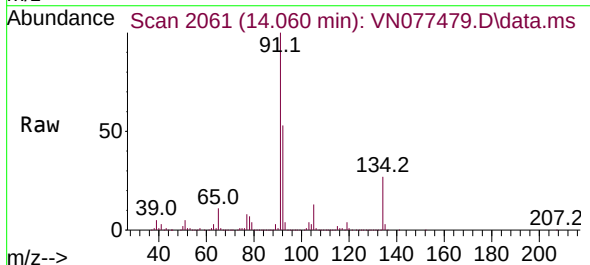
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

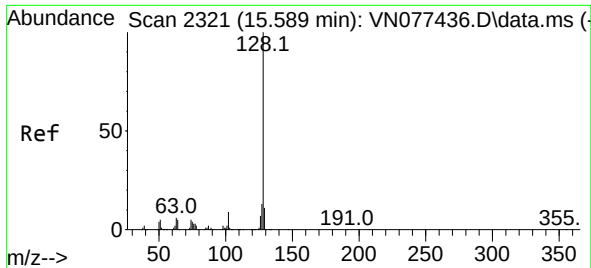
Tgt Ion:119 Resp: 114990
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.6 37.8
 91 25.7 12.4 37.2



#89
 n-Butylbenzene
 Concen: 41.273 ug/l
 RT: 14.060 min Scan# 2061
 Delta R.T. -0.000 min
 Lab File: VN077479.D
 Acq: 25 Apr 2023 19:09

Tgt Ion: 91 Resp: 1093903
 Ion Ratio Lower Upper
 91 100
 92 47.0 26.4 79.0
 134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 45.592 ug/l

RT: 15.583 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077479.D

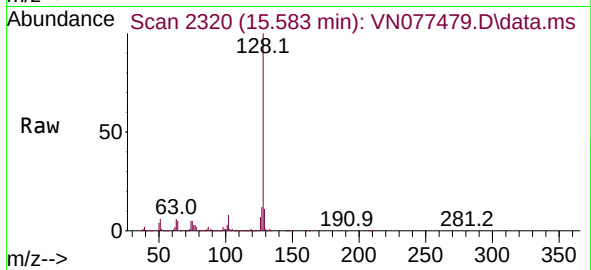
Acq: 25 Apr 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-1



Tgt Ion:128 Resp: 925894

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

129 10.7 8.7 13.1

