

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042723\
 Data File : VN077489.D
 Acq On : 27 Apr 2023 11:35
 Operator : JC\MD
 Sample : 02520-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-042623

Quant Time: Apr 28 03:23:32 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)

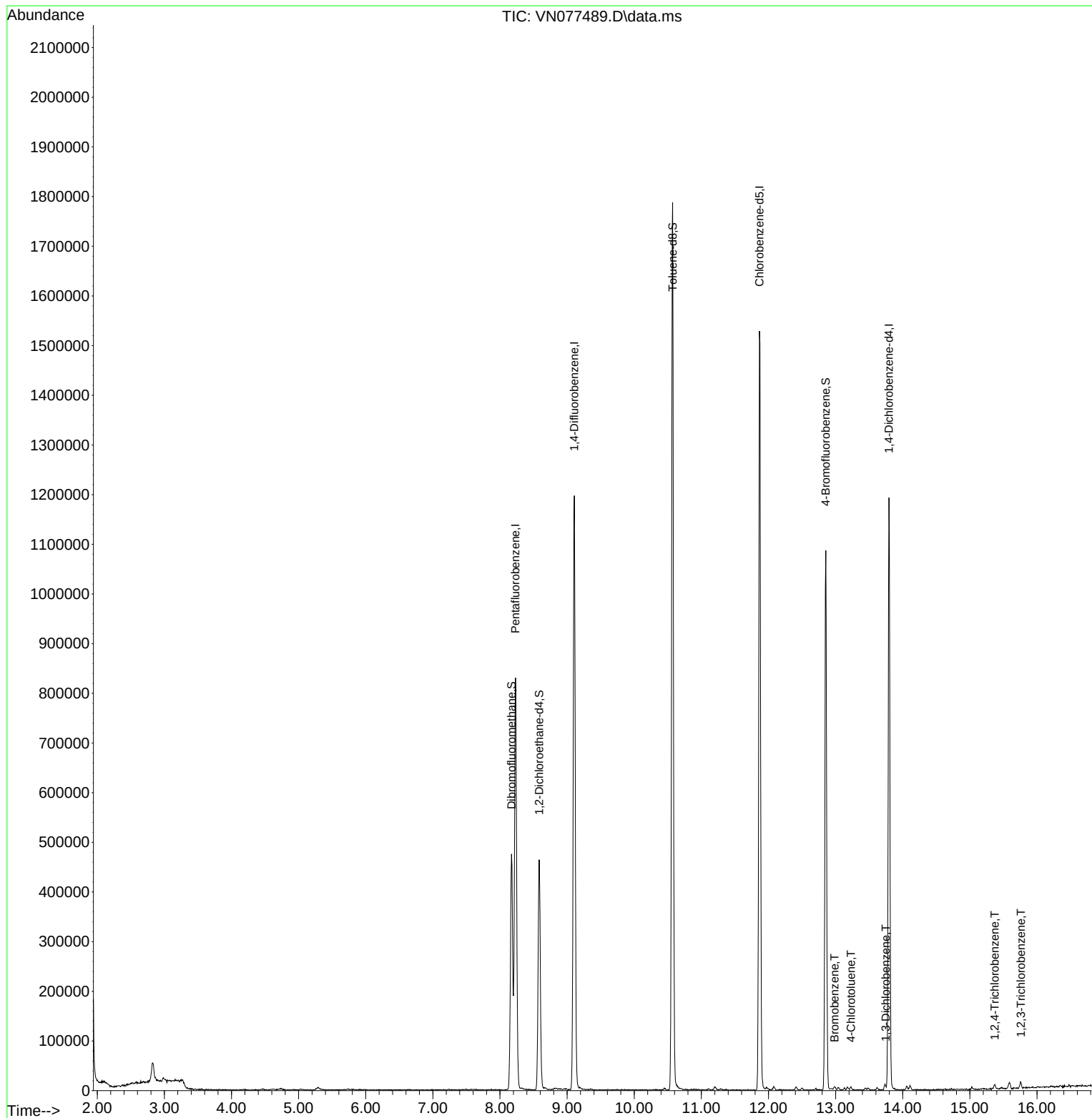
Internal Standards						
1) Pentafluorobenzene	8.231	168	588663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1103042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	953108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	326850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	383835	49.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.940%
35) Dibromofluoromethane	8.172	113	336312	50.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.460%
50) Toluene-d8	10.572	98	1309944	51.554	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.100%
62) 4-Bromofluorobenzene	12.854	95	398477	47.933	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.860%
Target Compounds						
					Qvalue	
77) Bromobenzene	12.983	156	1483	0.224	ug/l	86
82) 4-Chlorotoluene	13.230	91	4626	0.239	ug/l	94
87) 1,3-Dichlorobenzene	13.748	146	3953	0.336	ug/l	84
93) 1,2,4-Trichlorobenzene	15.371	180	2477	1.832	ug/l	71
96) 1,2,3-Trichlorobenzene	15.760	180	3681	2.146	ug/l	93

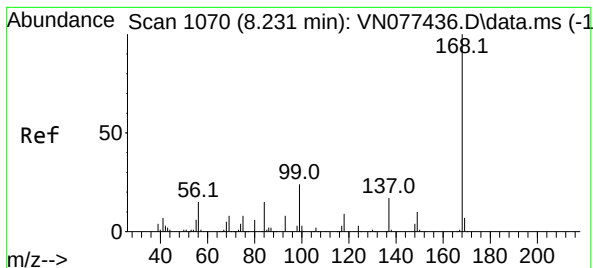
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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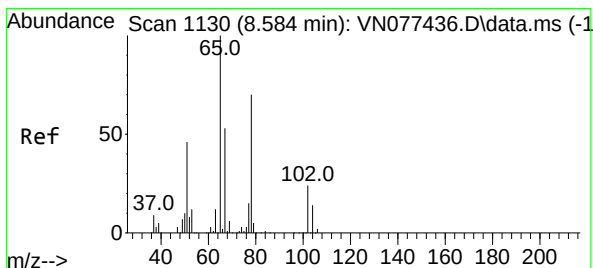
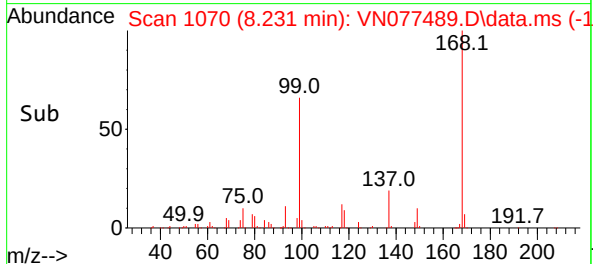
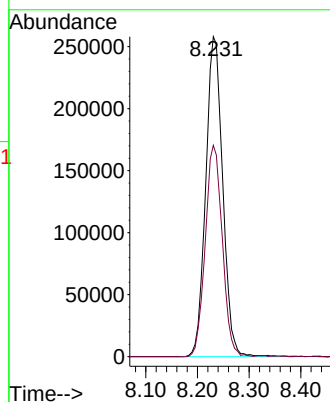
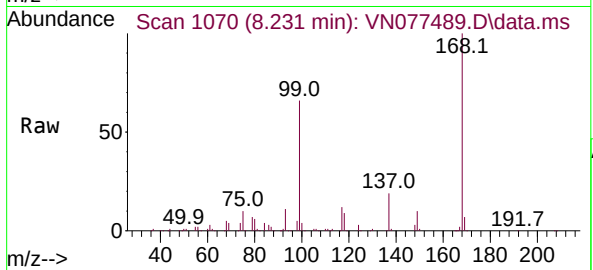




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

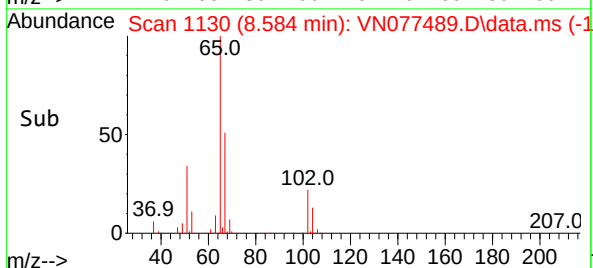
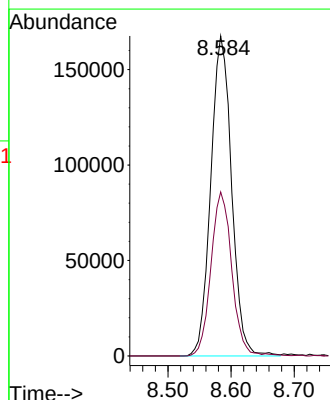
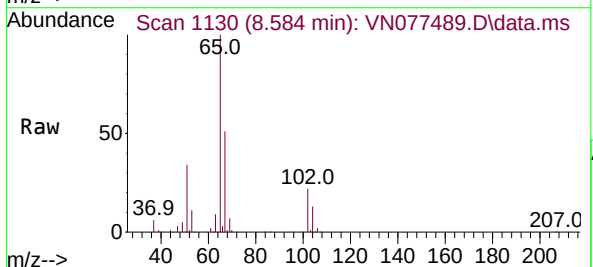
Instrument :
MSVOA_N
ClientSampleId :
TB-01-042623

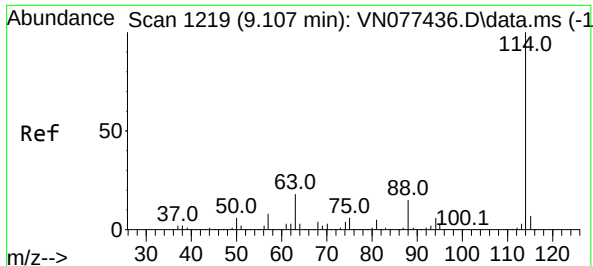
Tgt Ion:168 Resp: 588663
Ion Ratio Lower Upper
168 100
99 66.1 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 49.970 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

Tgt Ion: 65 Resp: 383835
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# 11

Delta R.T. 0.000 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

TB-01-042623

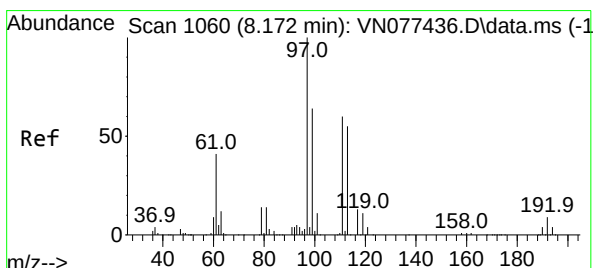
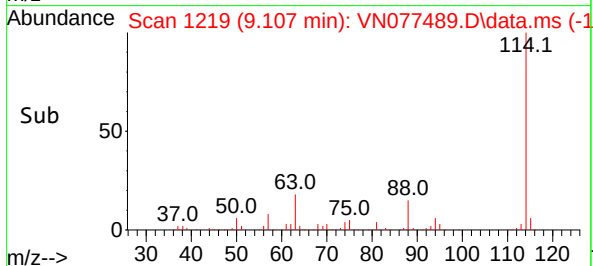
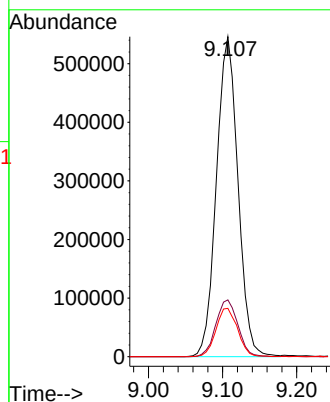
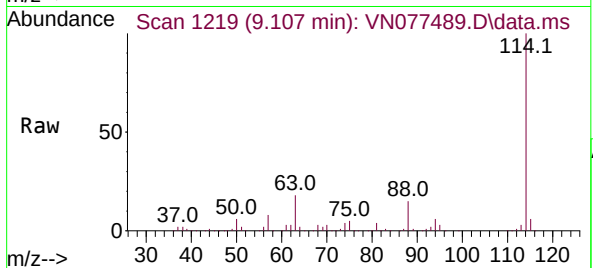
Tgt Ion:114 Resp: 1103042

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.728 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

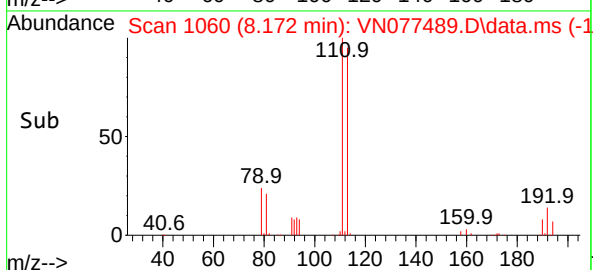
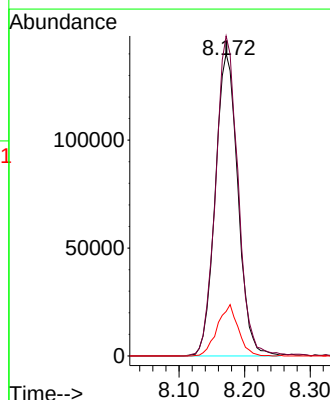
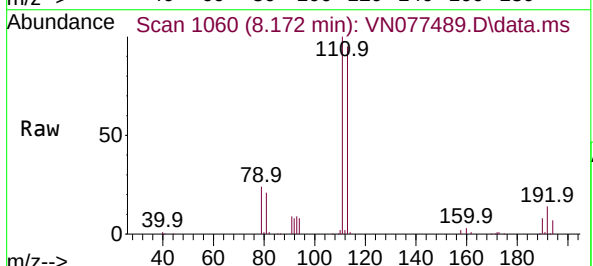
Tgt Ion:113 Resp: 336312

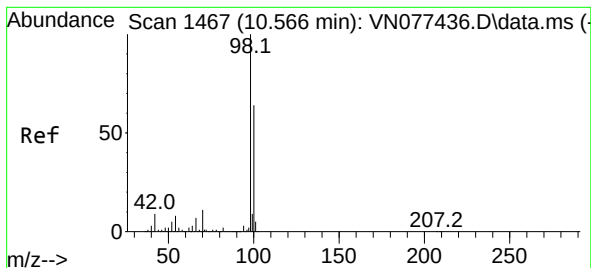
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

192 15.7 12.7 19.1





#50

Toluene-d8

Concen: 51.554 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

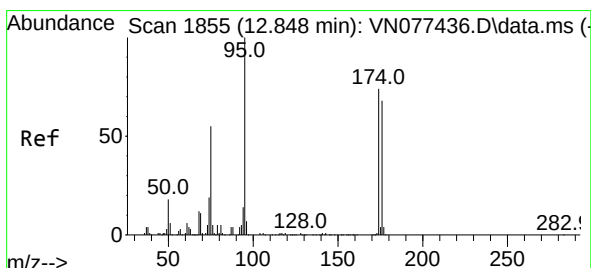
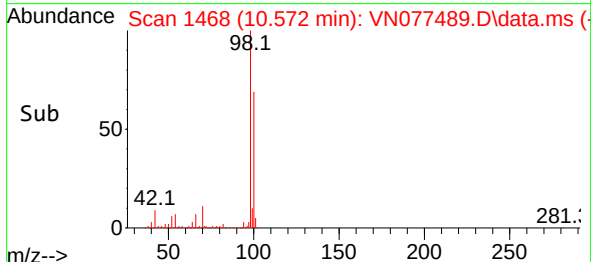
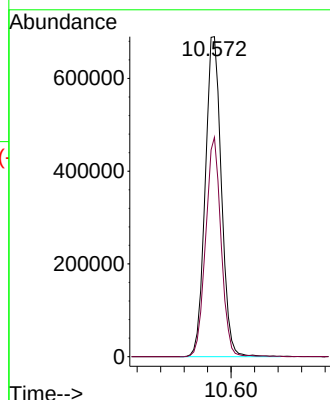
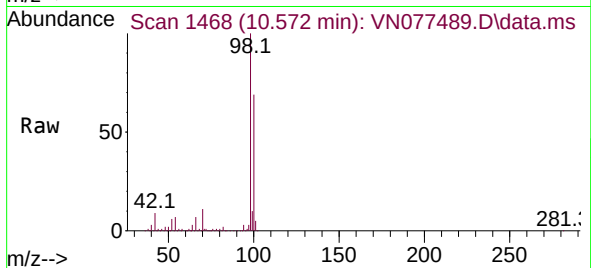
TB-01-042623

Tgt Ion: 98 Resp: 1309944

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.933 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

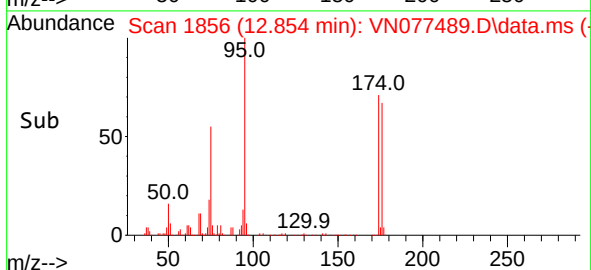
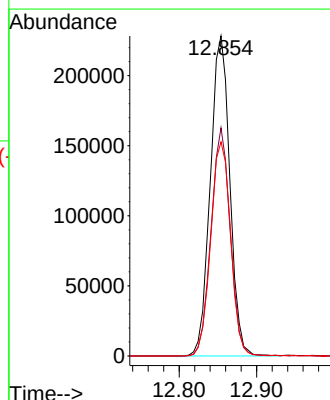
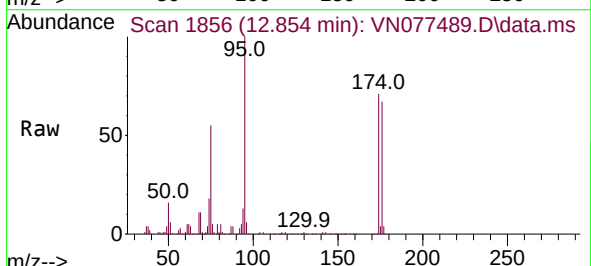
Tgt Ion: 95 Resp: 398477

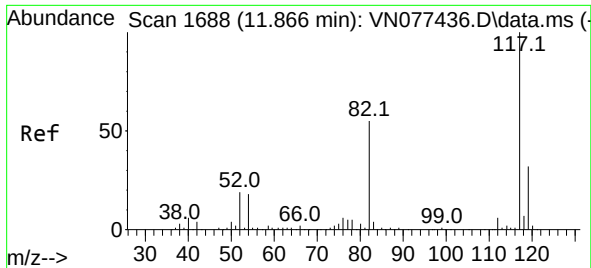
Ion Ratio Lower Upper

95 100

174 70.0 0.0 143.8

176 68.2 0.0 135.8

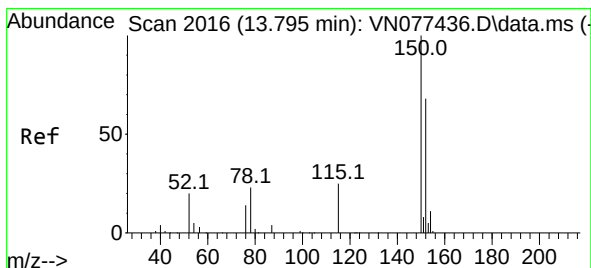
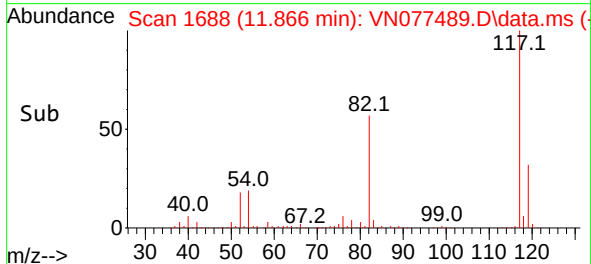
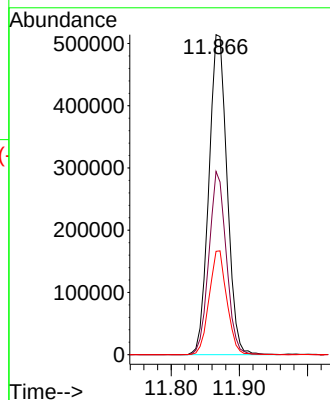
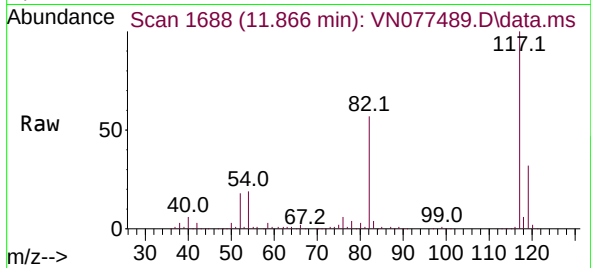




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

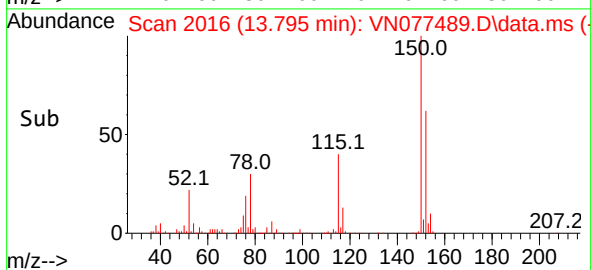
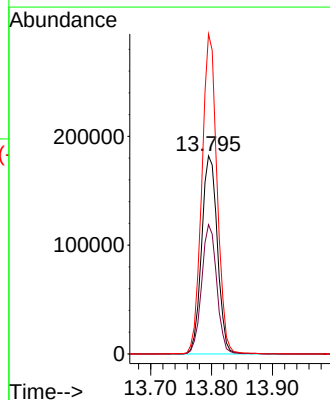
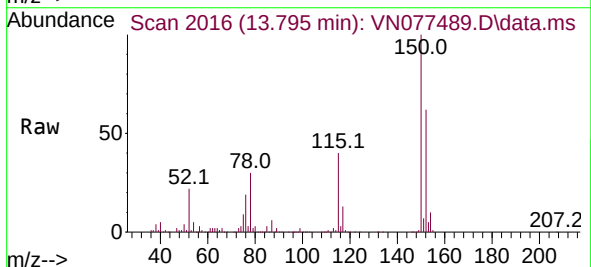
Instrument :
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ClientSampleId :
TB-01-042623

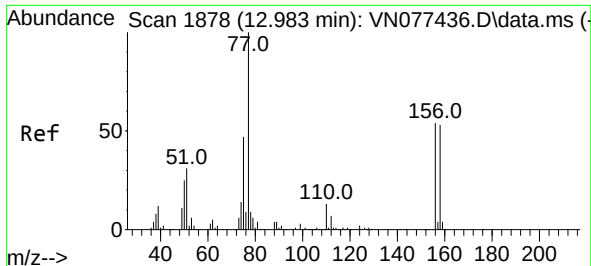
Tgt Ion:117 Resp: 953108
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

Tgt Ion:152 Resp: 326850
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 155.9 0.0 355.8

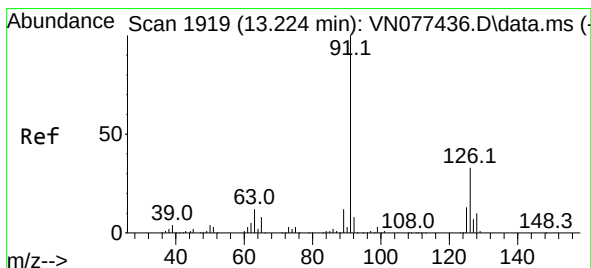
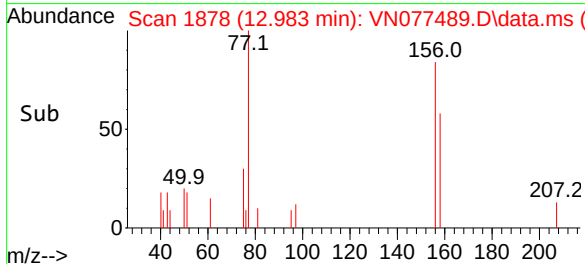
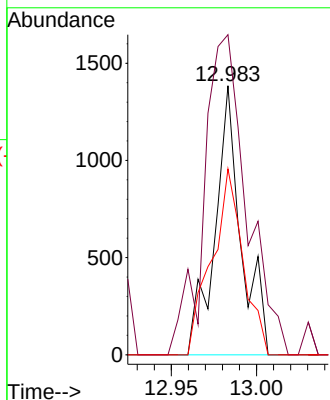
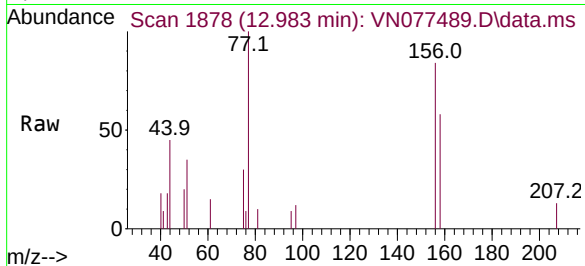




#77
Bromobenzene
Concen: 0.224 ug/l
RT: 12.983 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

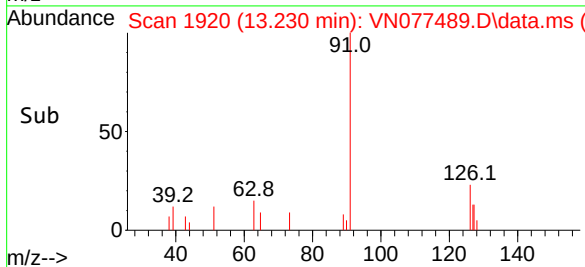
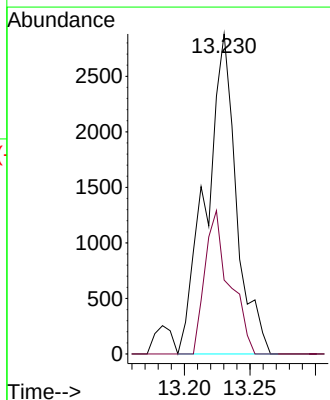
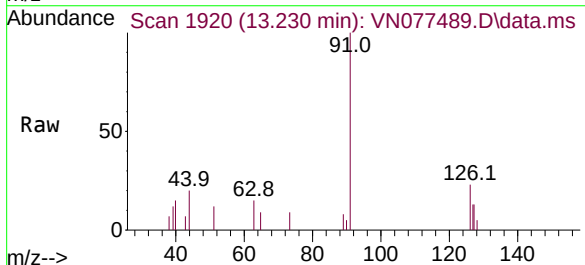
Instrument :
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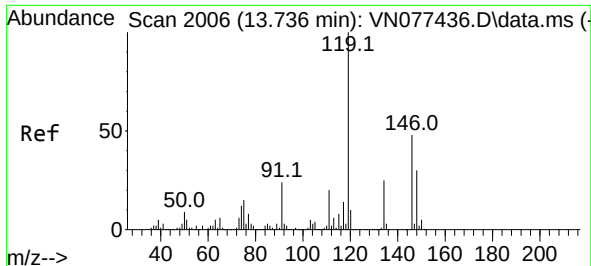
Tgt Ion:156 Resp: 1483
Ion Ratio Lower Upper
156 100
77 193.5 107.7 323.3
158 82.3 48.4 145.3



#82
4-Chlorotoluene
Concen: 0.239 ug/l
RT: 13.230 min Scan# 1920
Delta R.T. 0.006 min
Lab File: VN077489.D
Acq: 27 Apr 2023 11:35

Tgt Ion: 91 Resp: 4626
Ion Ratio Lower Upper
91 100
126 36.6 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.336 ug/l

RT: 13.748 min Scan# 2006

Delta R.T. 0.012 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

Instrument :

MSVOA_N

ClientSampleId :

TB-01-042623

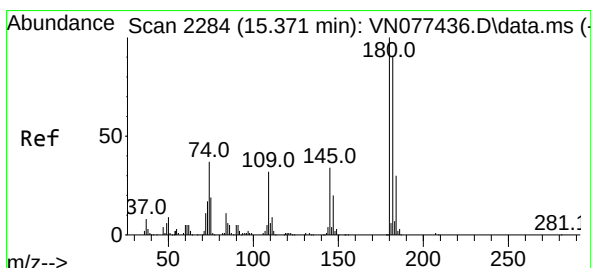
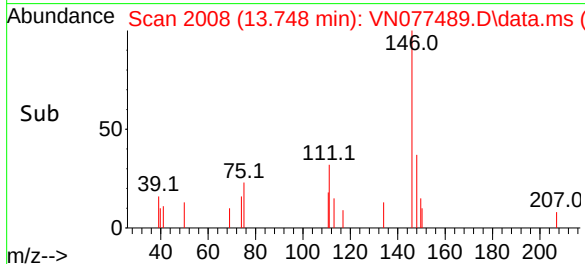
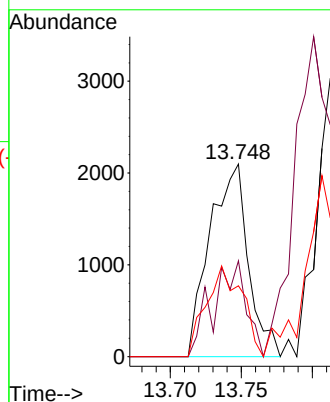
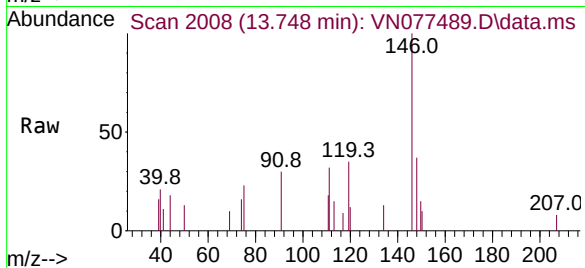
Tgt Ion:146 Resp: 3953

Ion Ratio Lower Upper

146 100

111 42.9 22.1 66.3

148 44.1 32.0 96.0



#93

1,2,4-Trichlorobenzene

Concen: 1.832 ug/l

RT: 15.371 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN077489.D

Acq: 27 Apr 2023 11:35

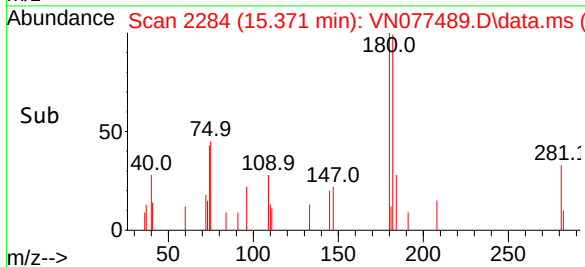
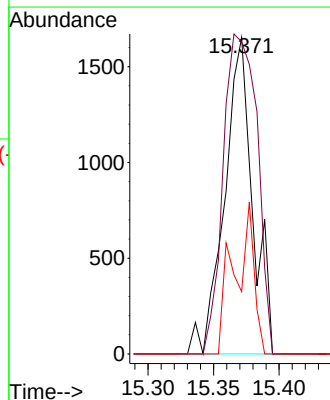
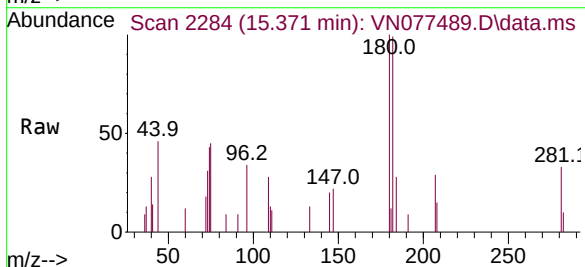
Tgt Ion:180 Resp: 2477

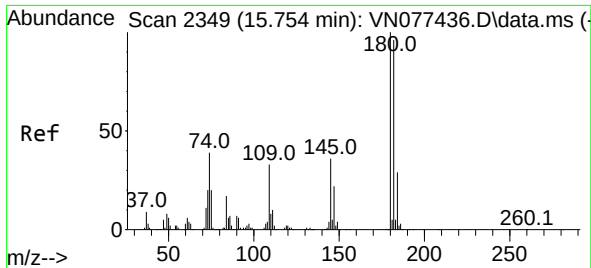
Ion Ratio Lower Upper

180 100

182 121.5 46.1 138.2

145 18.8 16.6 49.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.146 ug/l
 RT: 15.760 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077489.D
 Acq: 27 Apr 2023 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-042623

Tgt Ion:	180	Resp:	3681
Ion	Ratio	Lower	Upper
180	100		
182	87.2	46.2	138.6
145	41.9	17.5	52.6

