

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077070.D
 Acq On : 20 Mar 2023 15:53
 Operator : JC\MD
 Sample : 01941-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314

Quant Time: Mar 21 05:37:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

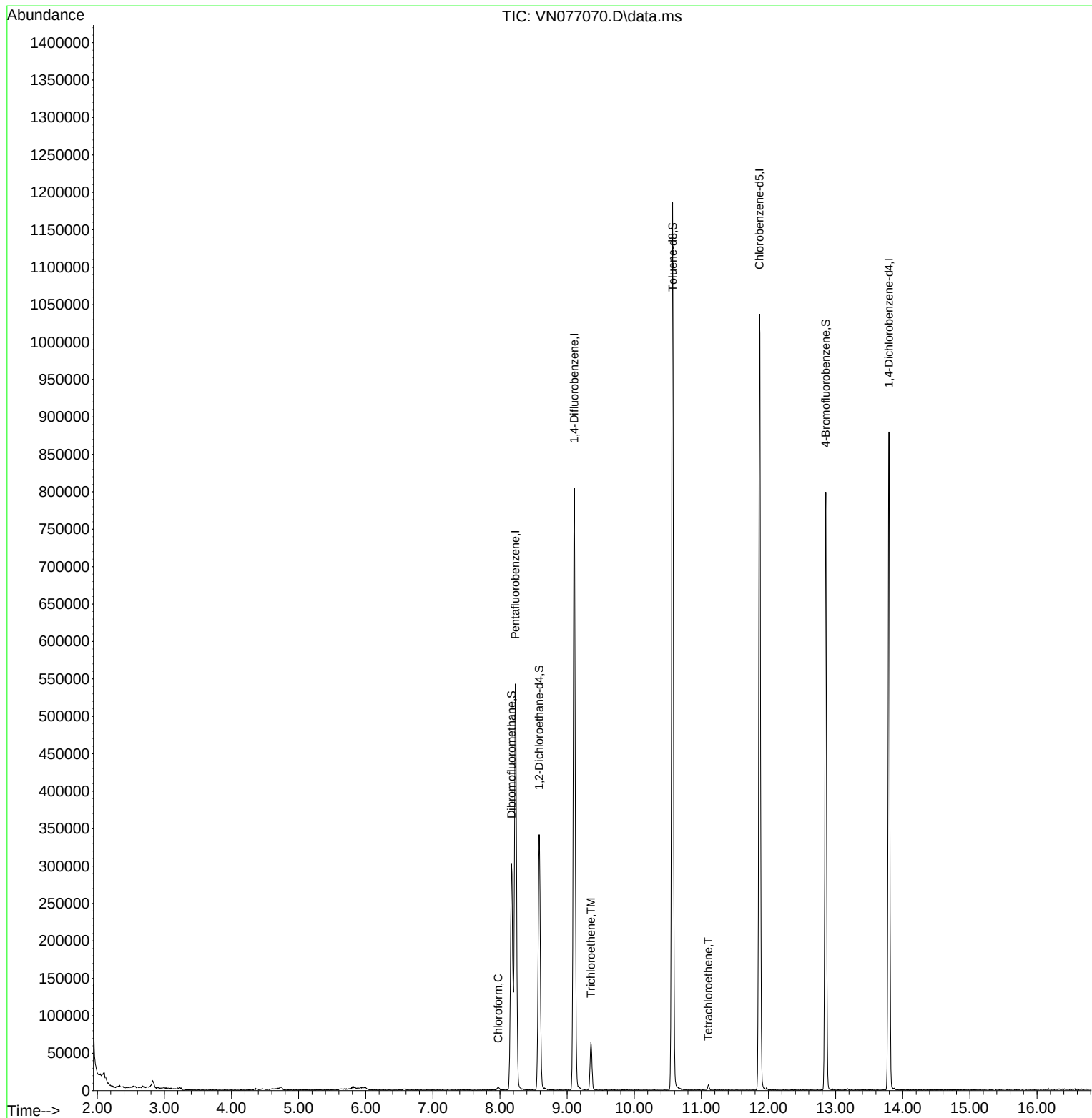
Internal Standards						
1) Pentafluorobenzene	8.231	168	374735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	667558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	601128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	230082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	281770	47.074	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.140%
35) Dibromofluoromethane	8.172	113	220402	47.145	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.280%
50) Toluene-d8	10.572	98	820803	49.151	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.854	95	277804	47.077	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.160%
Target Compounds						
					Qvalue	
30) Chloroform	7.972	83	3851	0.380	ug/l	98
44) Trichloroethene	9.354	130	21297	4.187	ug/l	90
64) Tetrachloroethene	11.101	164	1335	0.331	ug/l #	70

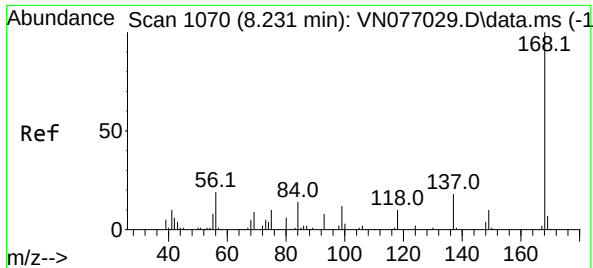
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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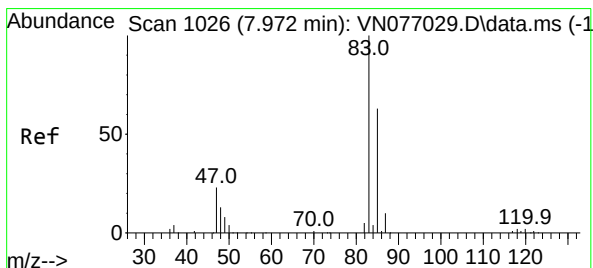
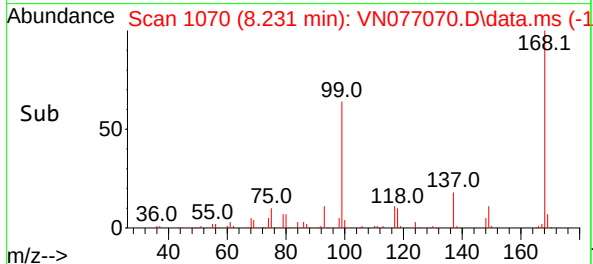
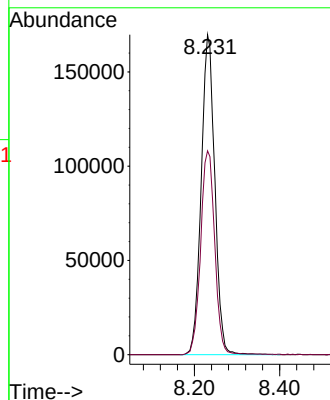
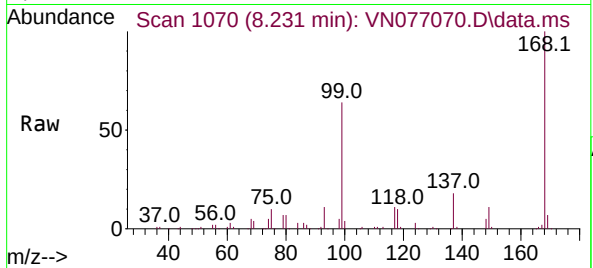




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

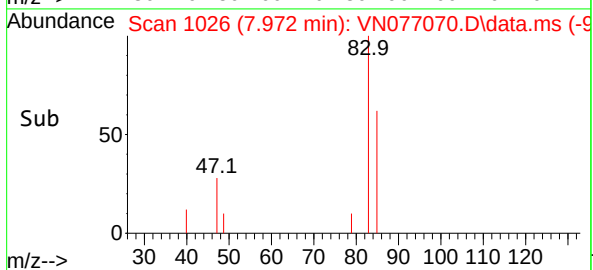
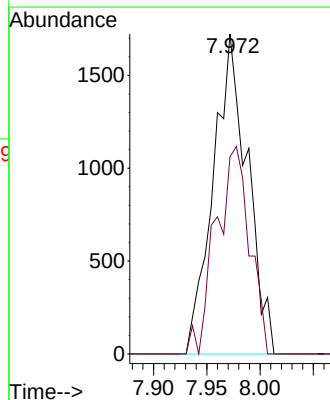
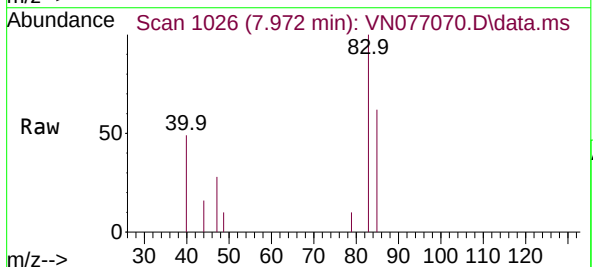
Instrument :
MSVOA_N
ClientSampleId :
DUP07-20230314

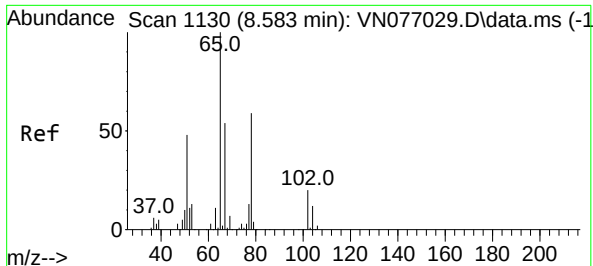
Tgt Ion:168 Resp: 374735
Ion Ratio Lower Upper
168 100
99 63.7 53.9 80.9



#30
Chloroform
Concen: 0.380 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 83 Resp: 3851
Ion Ratio Lower Upper
83 100
85 61.6 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 47.074 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

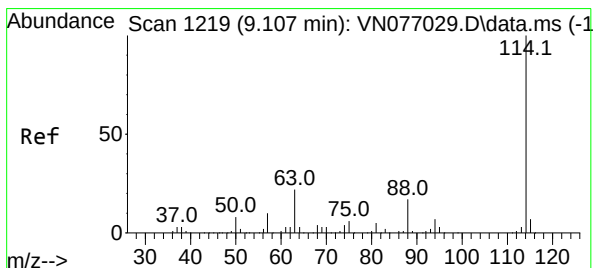
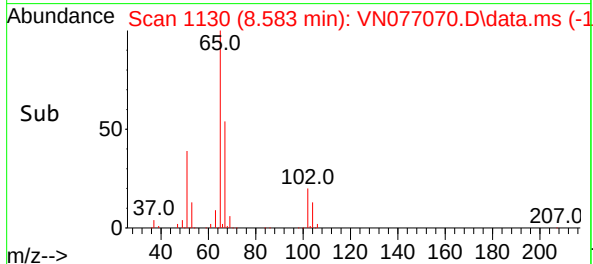
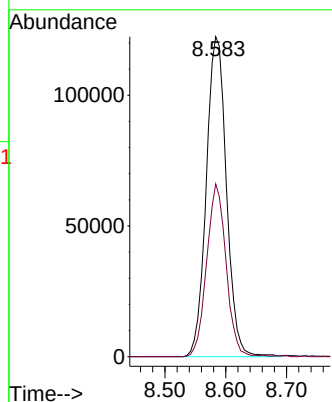
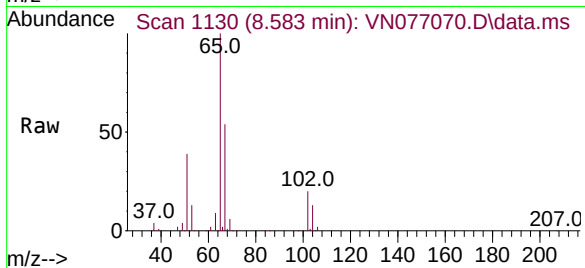
DUP07-20230314

Tgt Ion: 65 Resp: 281770

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

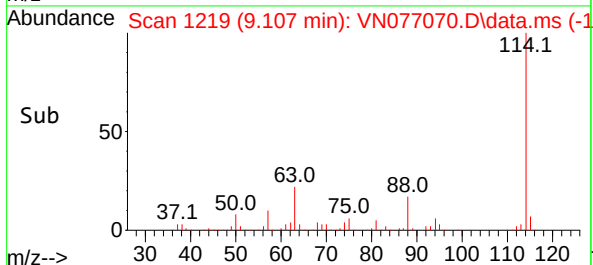
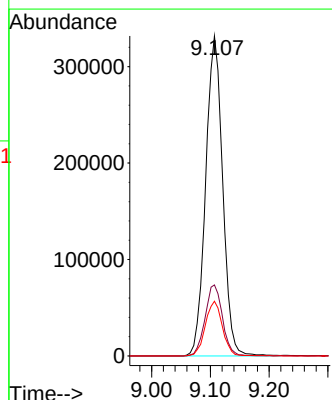
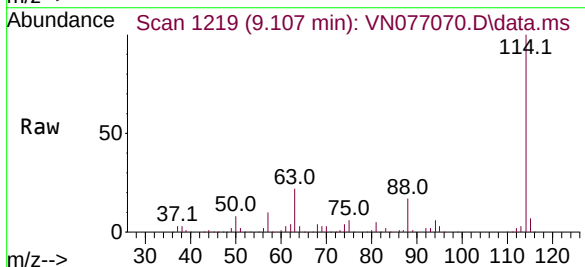
Tgt Ion: 114 Resp: 667558

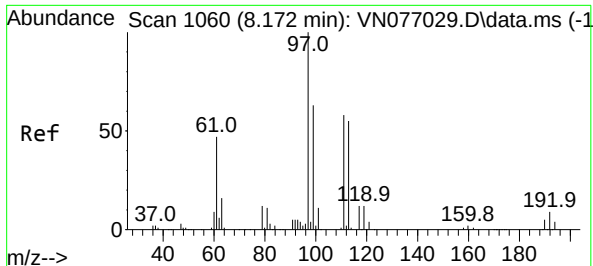
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.145 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077070.D

Acq: 20 Mar 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

DUP07-20230314

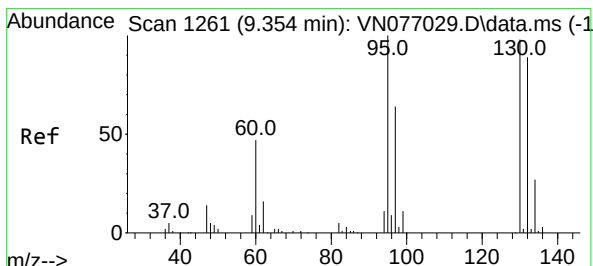
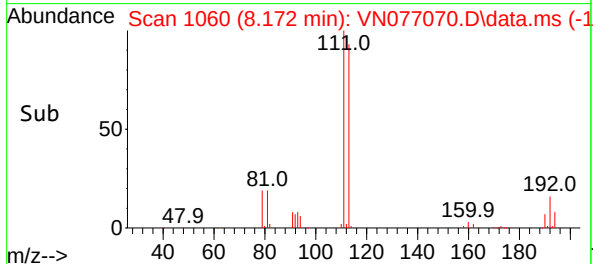
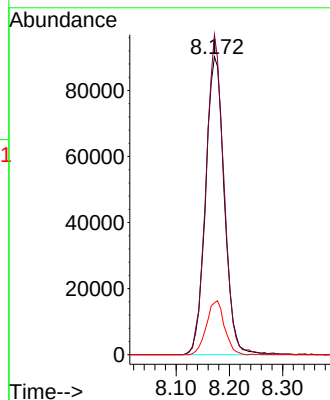
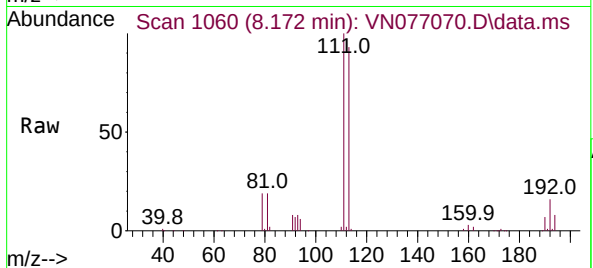
Tgt Ion:113 Resp: 220402

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 17.4 13.0 19.6



#44

Trichloroethene

Concen: 4.187 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VN077070.D

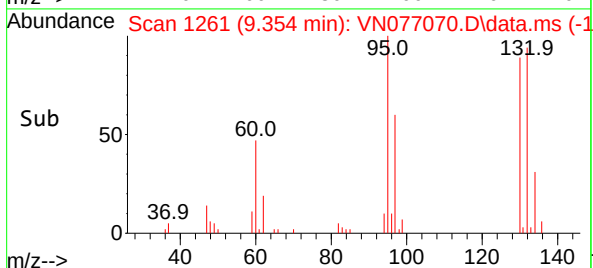
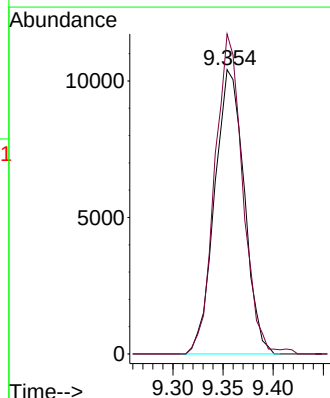
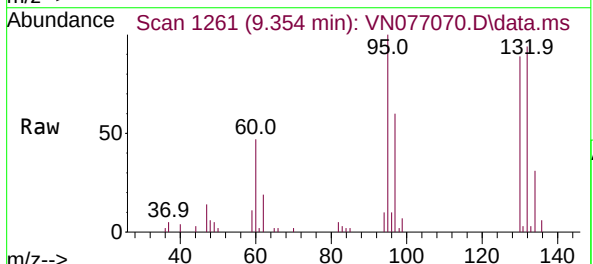
Acq: 20 Mar 2023 15:53

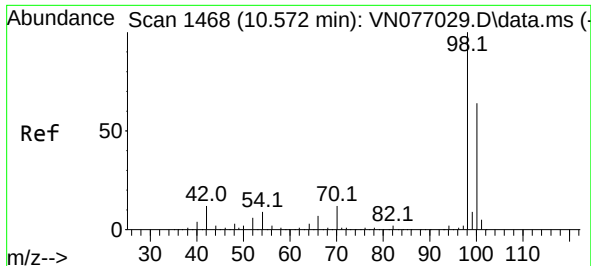
Tgt Ion:130 Resp: 21297

Ion Ratio Lower Upper

130 100

95 112.5 0.0 204.4

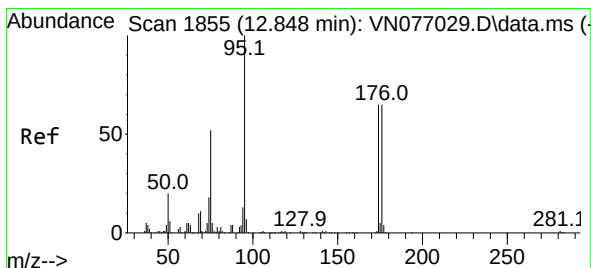
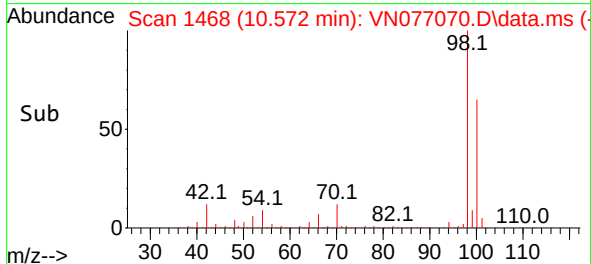
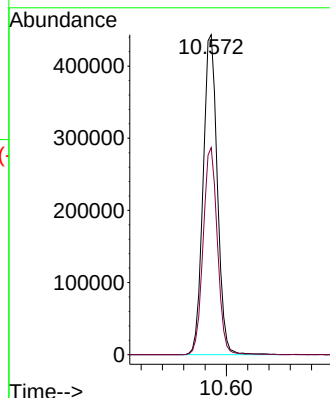
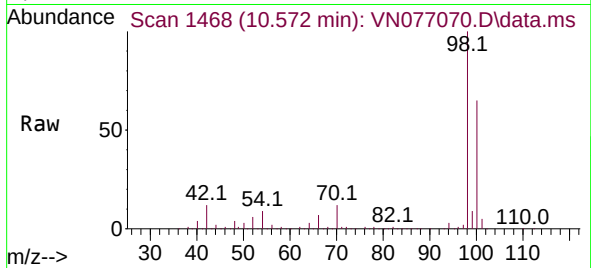




#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

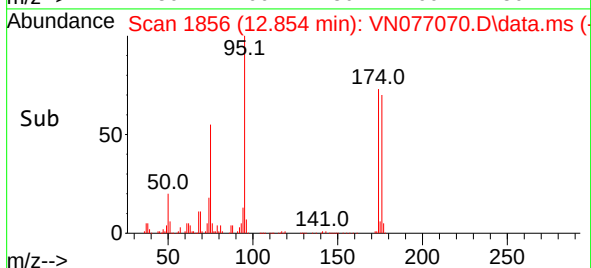
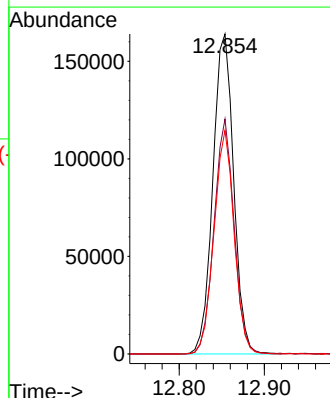
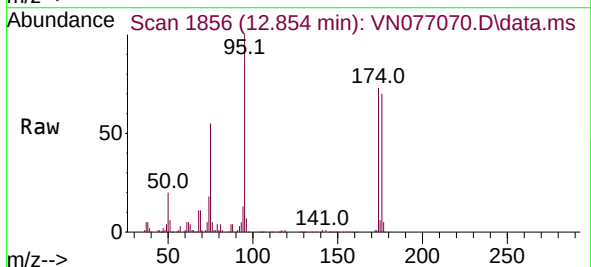
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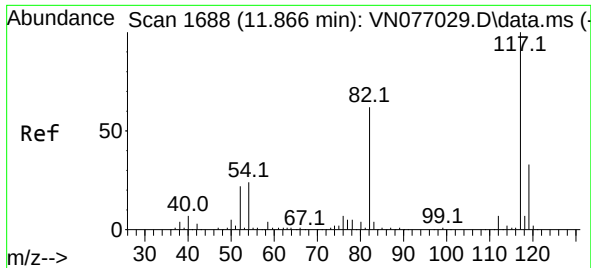
Tgt Ion: 98 Resp: 820803
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion: 95 Resp: 277804
Ion Ratio Lower Upper
95 100
174 70.8 0.0 136.6
176 67.7 0.0 130.0

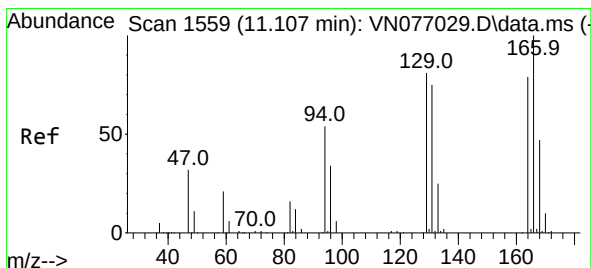
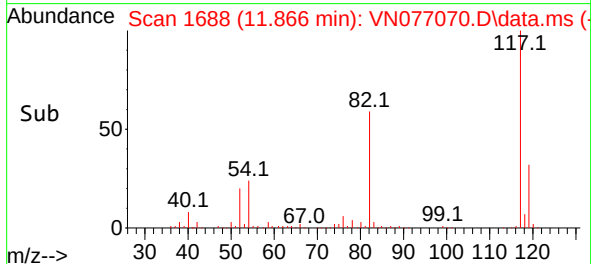
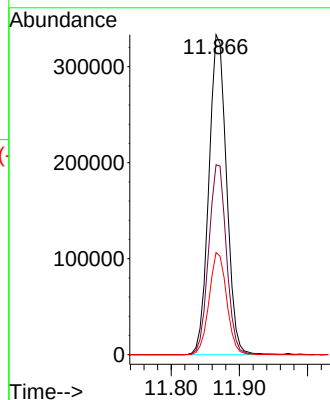
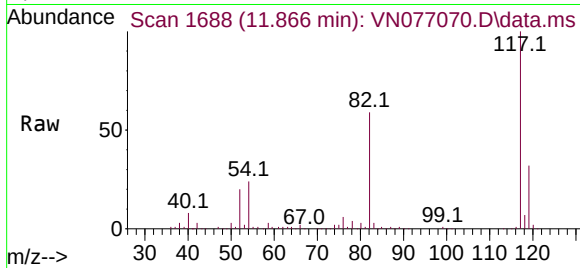




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

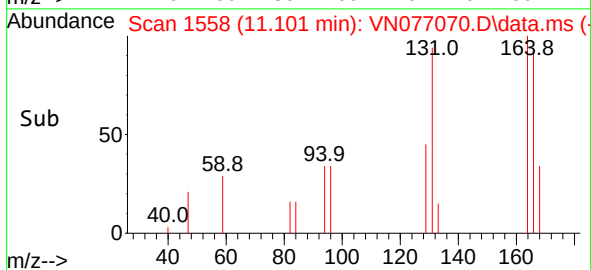
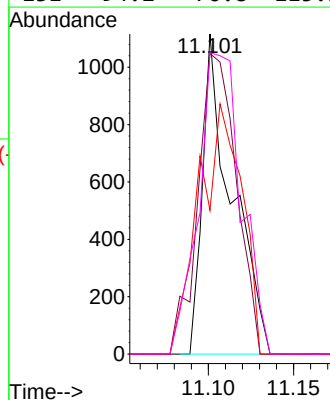
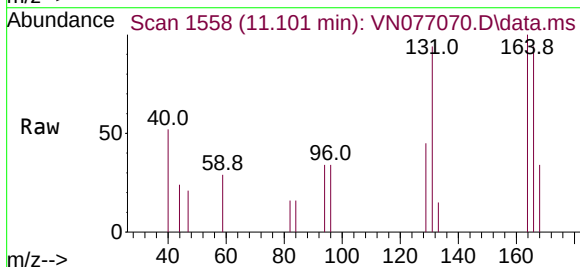
Instrument :
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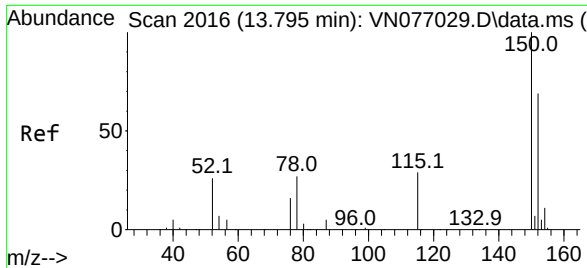
Tgt Ion:117 Resp: 601128
Ion Ratio Lower Upper
117 100
82 59.4 49.4 74.0
119 31.9 26.5 39.7



#64
Tetrachloroethene
Concen: 0.331 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN077070.D
Acq: 20 Mar 2023 15:53

Tgt Ion:164 Resp: 1335
Ion Ratio Lower Upper
164 100
166 93.9 101.9 152.9#
129 44.9 82.6 123.8#
131 94.2 76.8 115.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077070.D
 Acq: 20 Mar 2023 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP07-20230314

Tgt Ion:152 Resp: 230082
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.9 95.7
 150 157.2 0.0 348.0

