

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077043.D
 Acq On : 17 Mar 2023 19:23
 Operator : JC\MD
 Sample : 01941-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20230313

Quant Time: Mar 18 02:33:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

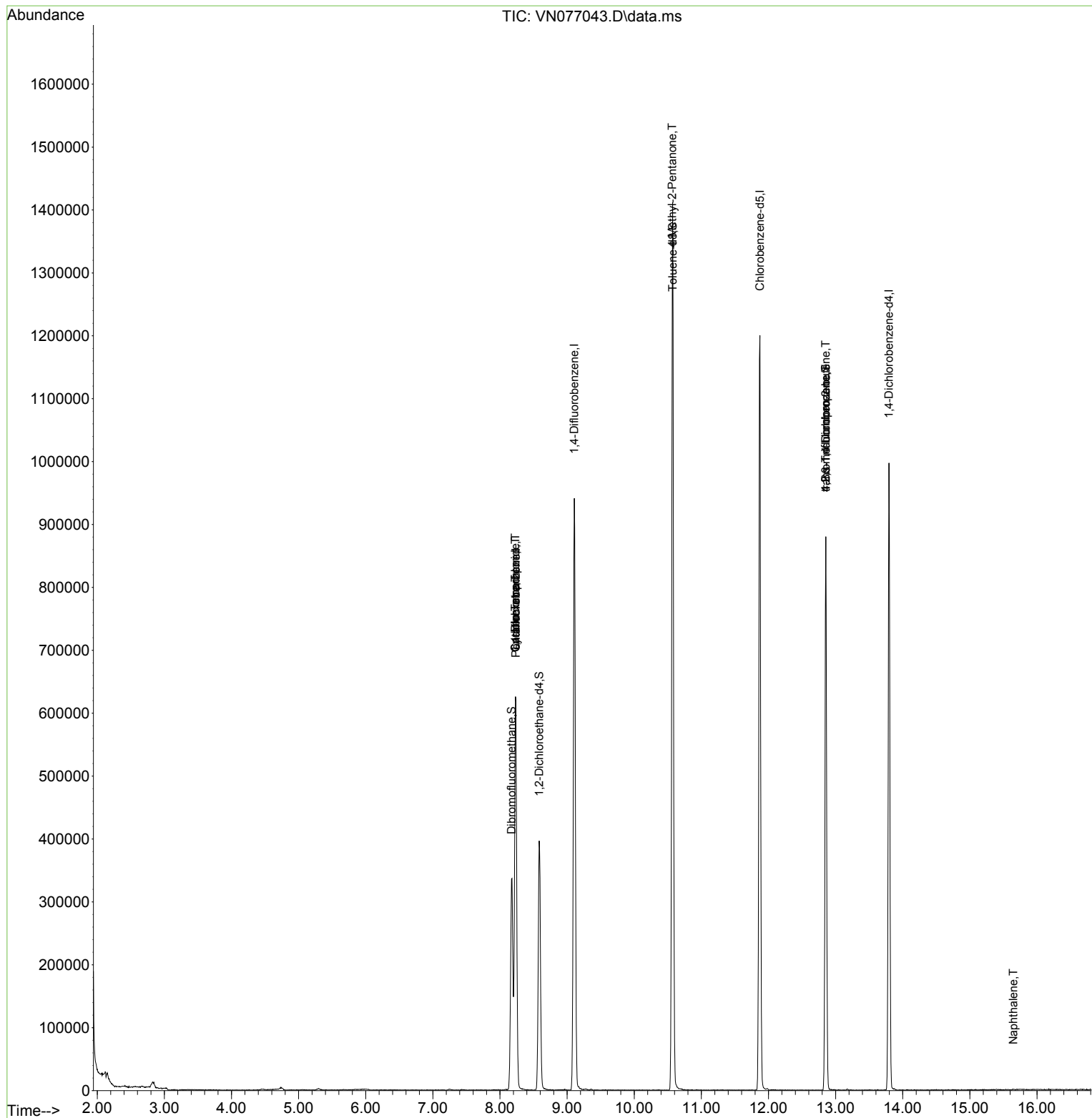
Internal Standards						
1) Pentafluorobenzene	8.236	168	423912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	792998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	677908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	252238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	334473	49.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.800%
35) Dibromofluoromethane	8.172	113	251439	45.276	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.560%
50) Toluene-d8	10.572	98	950126	47.895	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.780%
62) 4-Bromofluorobenzene	12.854	95	306409	43.711	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.420%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.231	56	11248	1.015	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	41258	4.757	ug/l #	50
38) Carbon Tetrachloride	8.231	117	48461	5.736	ug/l #	15
51) 4-Methyl-2-Pentanone	10.566	43	4594	0.509	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	161875	24.810	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	161875	68.292	ug/l #	10
95) Naphthalene	15.648	128	1195	1.981	ug/l #	70

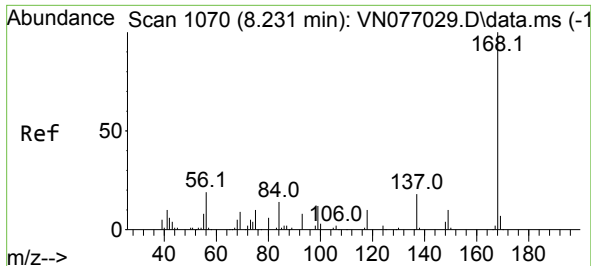
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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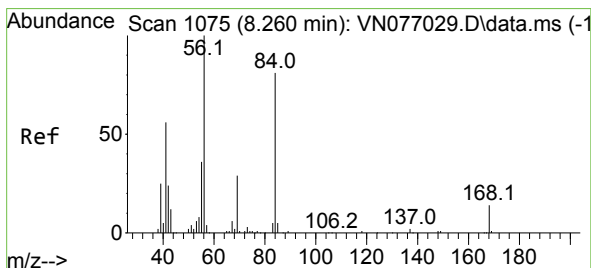
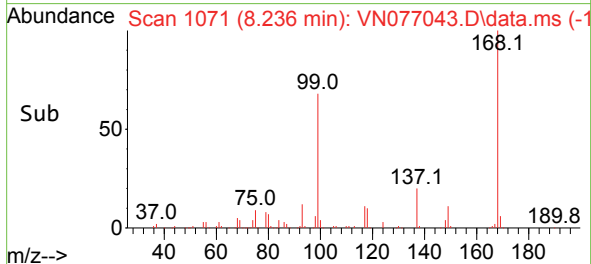
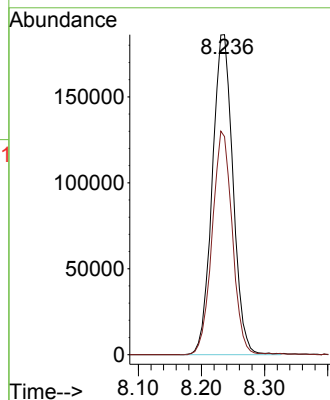
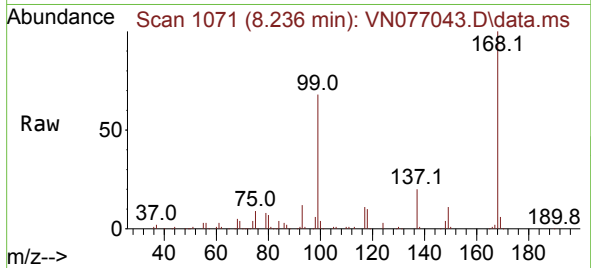




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

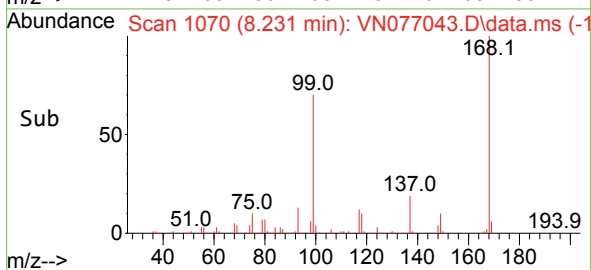
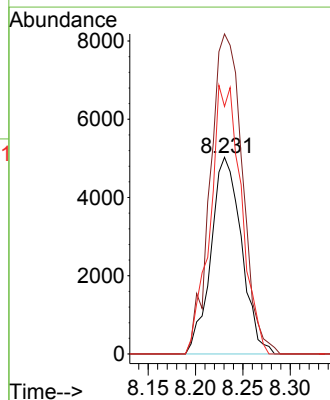
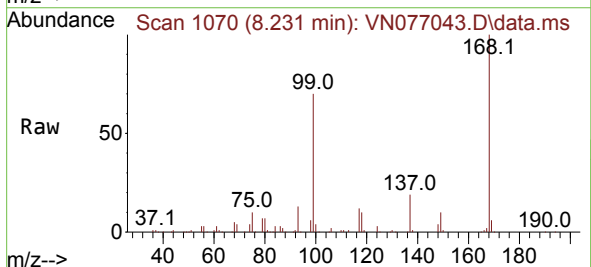
Instrument :
MSVOA_N
ClientSampleId :
TB04-20230313

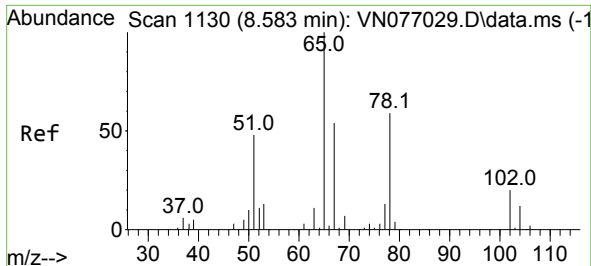
Tgt Ion:168 Resp: 423912
Ion Ratio Lower Upper
168 100
99 68.1 53.9 80.9



#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

Tgt Ion: 56 Resp: 11248
Ion Ratio Lower Upper
56 100
69 162.7 22.8 34.2#
84 125.9 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 49.396 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077043.D

Acq: 17 Mar 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

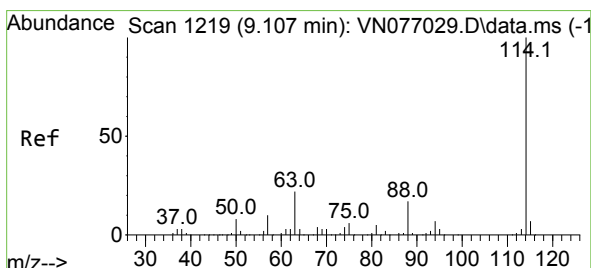
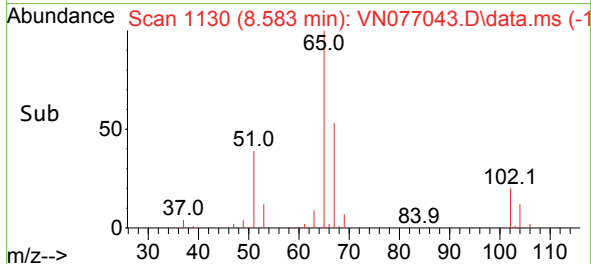
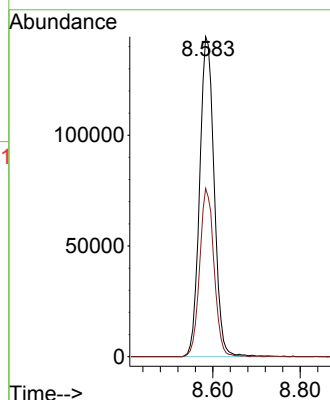
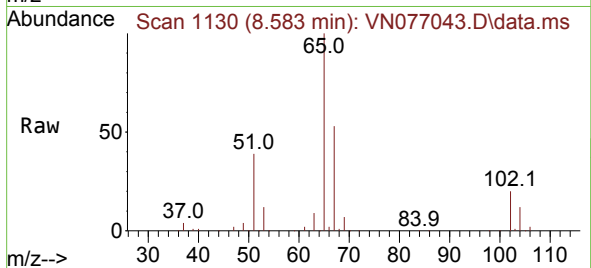
TB04-20230313

Tgt Ion: 65 Resp: 334473

Ion Ratio Lower Upper

65 100

67 51.9 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: VN077043.D

Acq: 17 Mar 2023 19:23

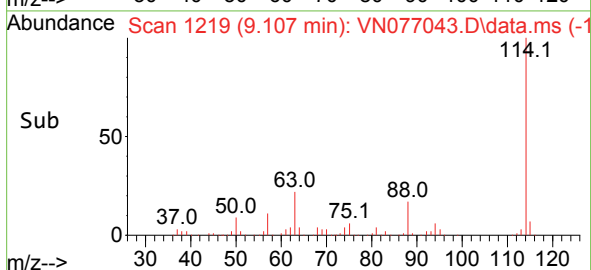
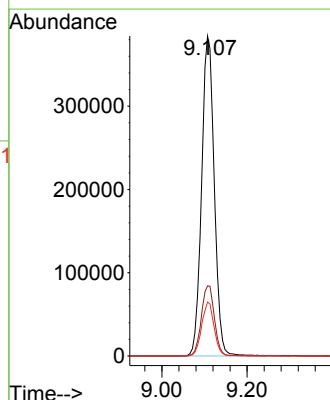
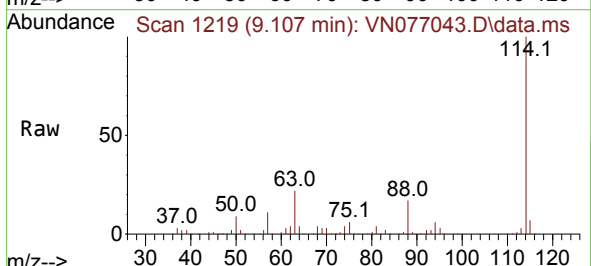
Tgt Ion: 114 Resp: 792998

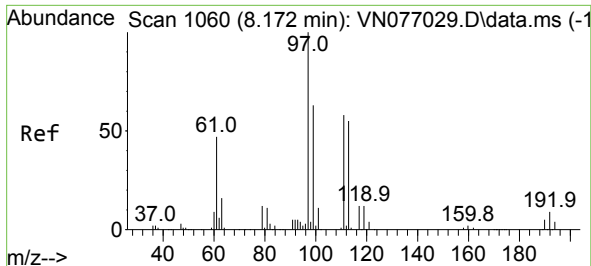
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.9 0.0 33.8

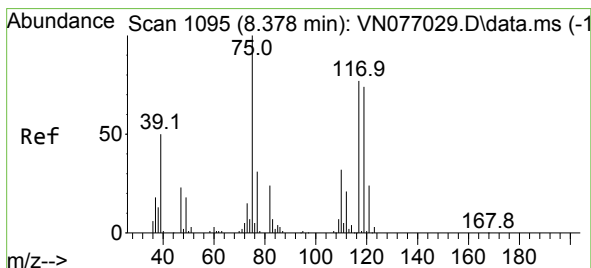
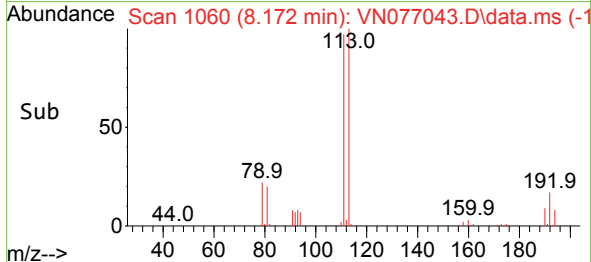
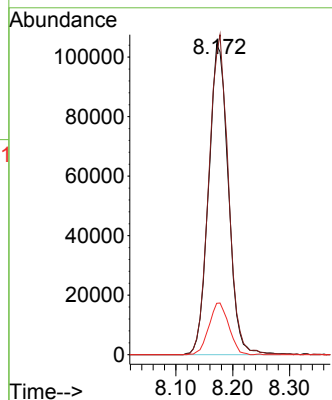
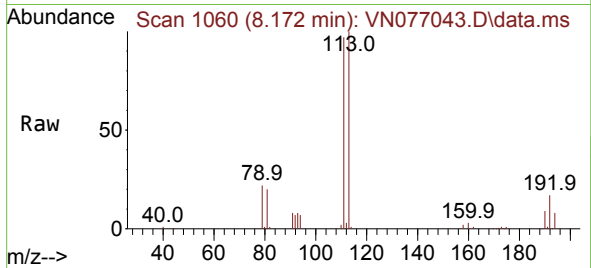




#35
Dibromofluoromethane
Concen: 45.276 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

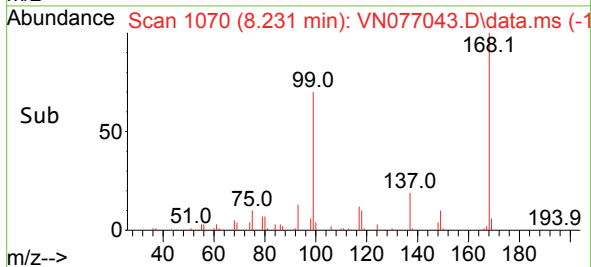
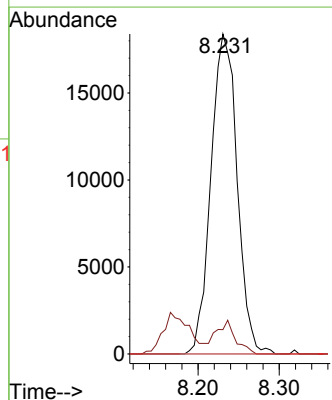
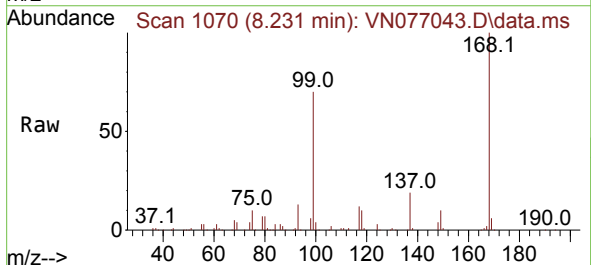
Instrument :
MSVOA_N
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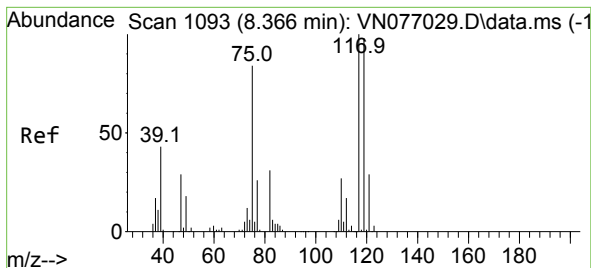
Tgt Ion:113 Resp: 251439
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 16.7 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

Tgt Ion: 75 Resp: 41258
Ion Ratio Lower Upper
75 100
110 7.6 15.9 47.7#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.736 ug/l

RT: 8.231 min Scan# 1093

Delta R.T. -0.135 min

Lab File: VN077043.D

Acq: 17 Mar 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

TB04-20230313

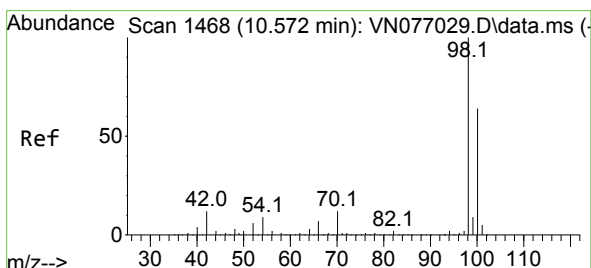
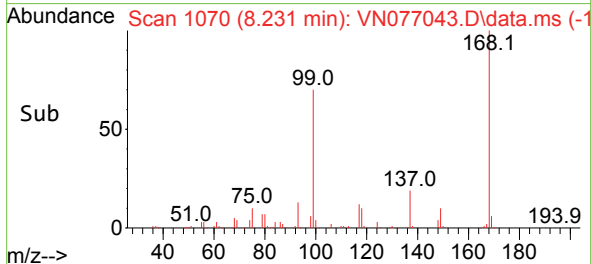
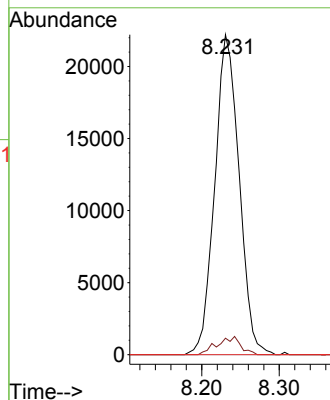
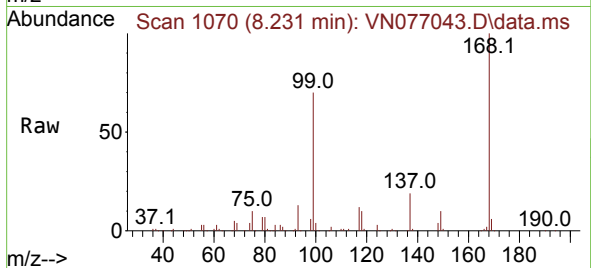
Tgt Ion:117 Resp: 48461

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 23.2 34.8#



#50

Toluene-d8

Concen: 47.895 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077043.D

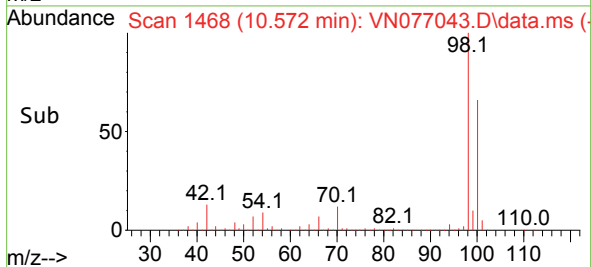
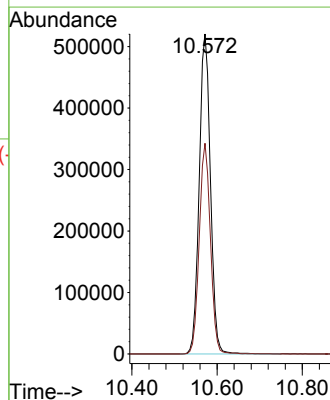
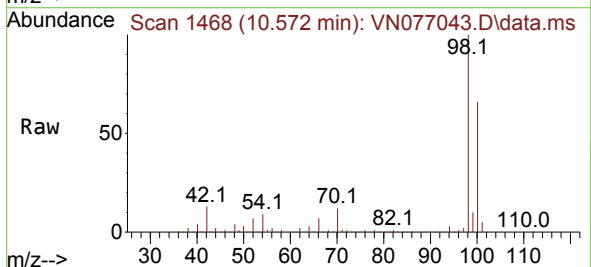
Acq: 17 Mar 2023 19:23

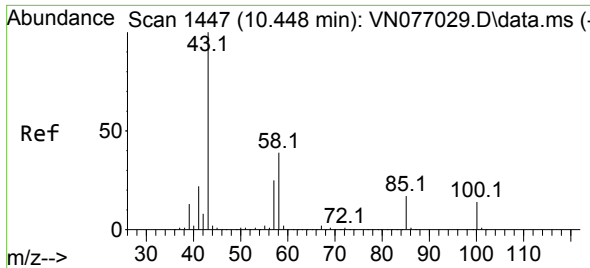
Tgt Ion: 98 Resp: 950126

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4

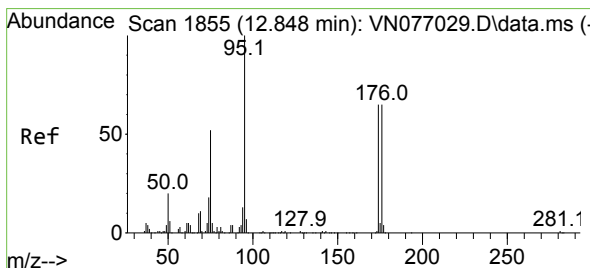
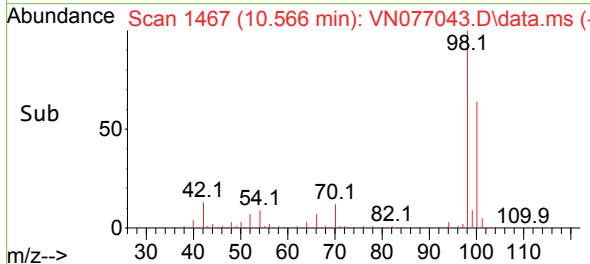
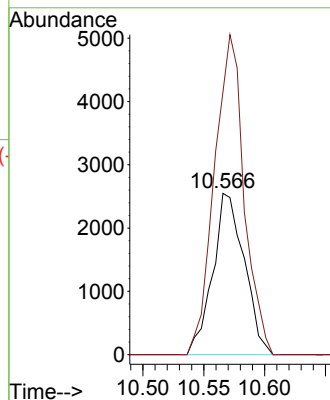
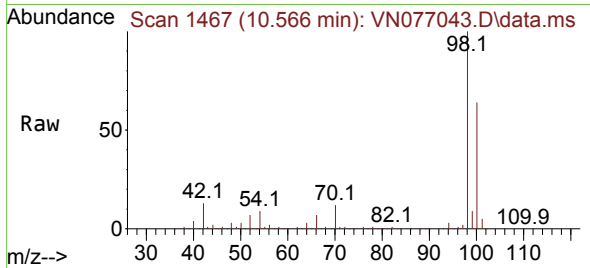




#51
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 10.566 min Scan# 1447
Delta R.T. 0.118 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

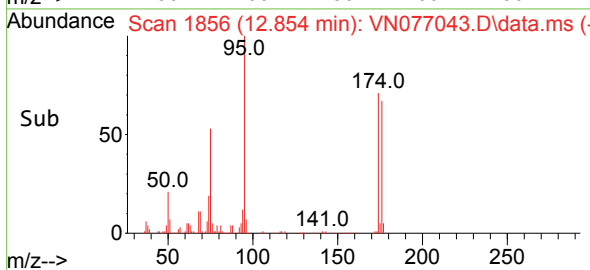
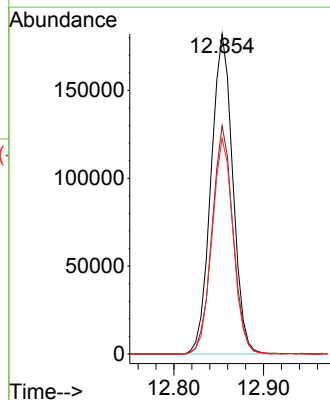
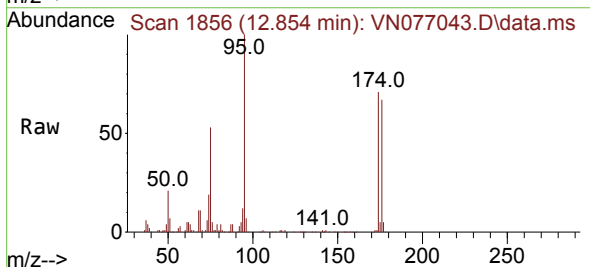
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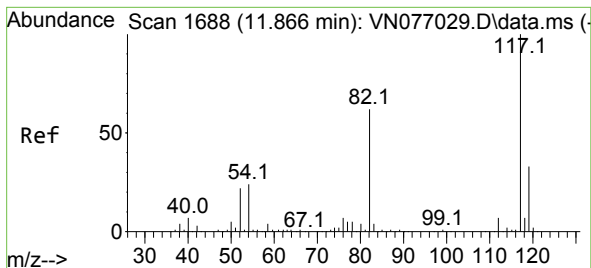
Tgt Ion: 43 Resp: 4594
Ion Ratio Lower Upper
43 100
58 187.5 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 43.711 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

Tgt Ion: 95 Resp: 306409
Ion Ratio Lower Upper
95 100
174 69.0 0.0 136.6
176 65.8 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077043.D

Acq: 17 Mar 2023 19:23

Instrument :

MSVOA_N

ClientSampleId :

TB04-20230313

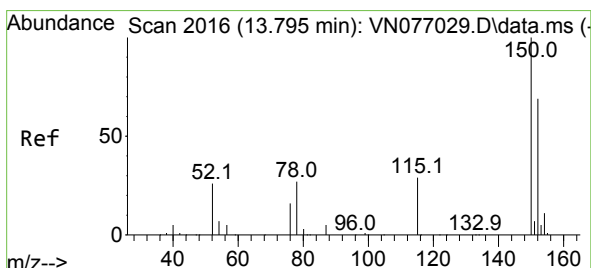
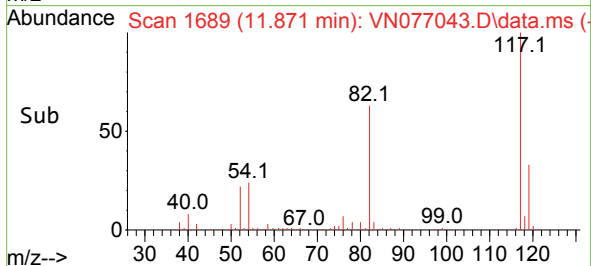
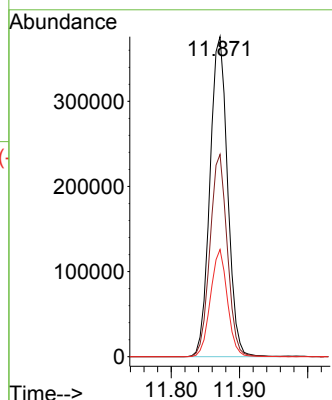
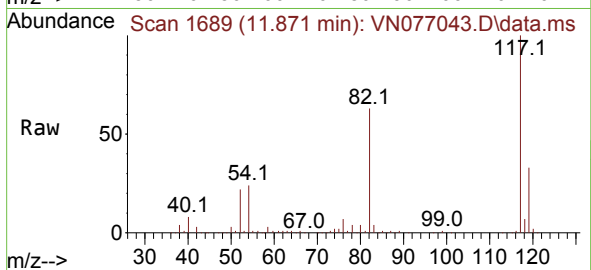
Tgt Ion:117 Resp: 677908

Ion Ratio Lower Upper

117 100

82 63.2 49.4 74.0

119 33.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077043.D

Acq: 17 Mar 2023 19:23

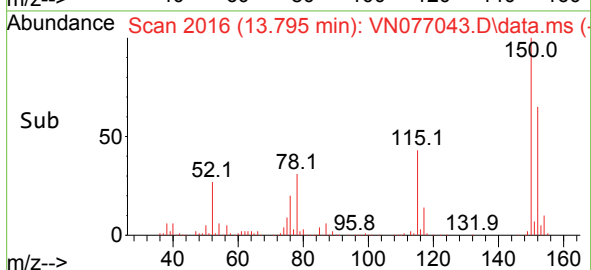
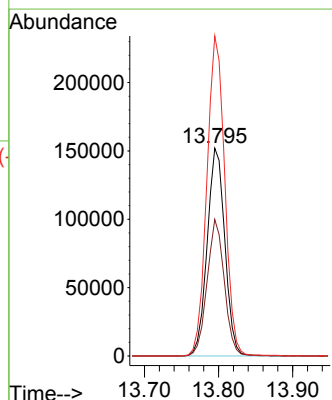
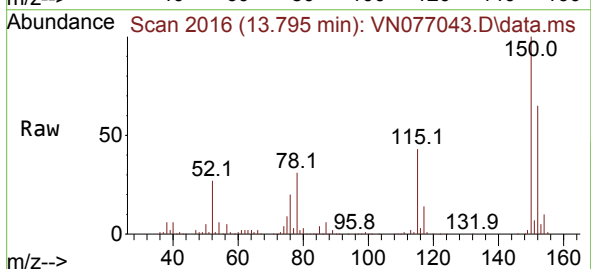
Tgt Ion:152 Resp: 252238

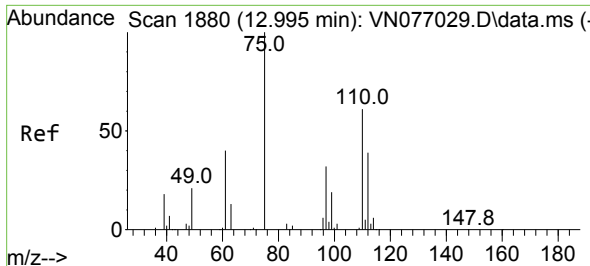
Ion Ratio Lower Upper

152 100

115 64.1 31.9 95.7

150 155.4 0.0 348.0

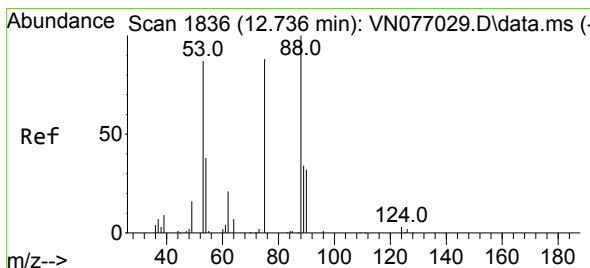
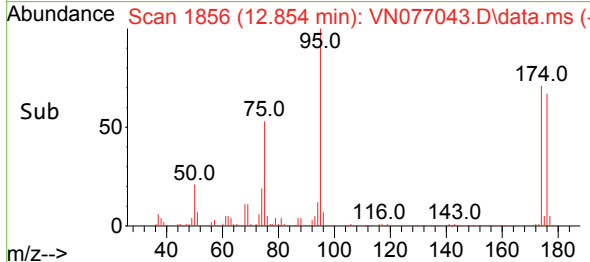
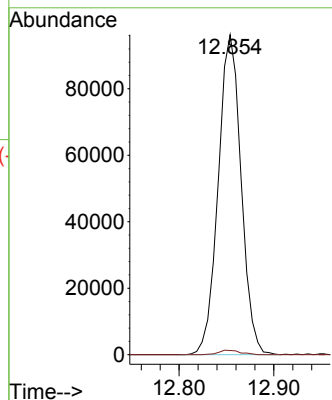
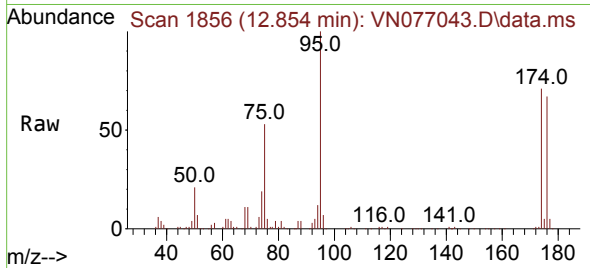




#76
1,2,3-Trichloropropane
Concen: 24.810 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

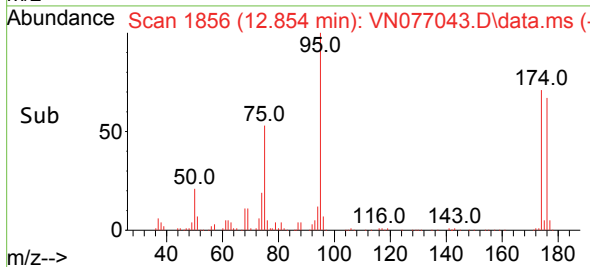
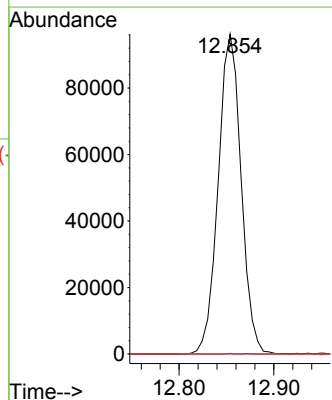
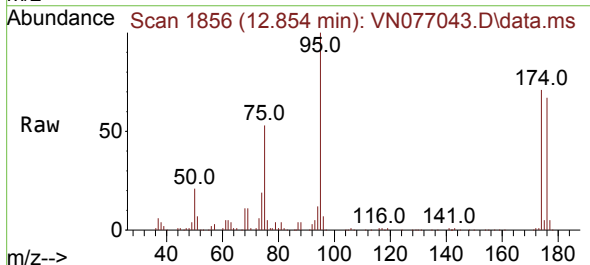
Instrument :
MSVOA_N
ClientSampleId :
TB04-20230313

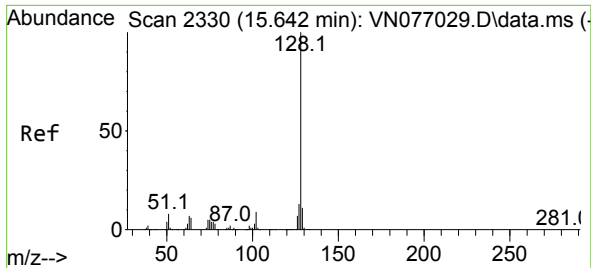
Tgt Ion: 75 Resp: 161875
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.292 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

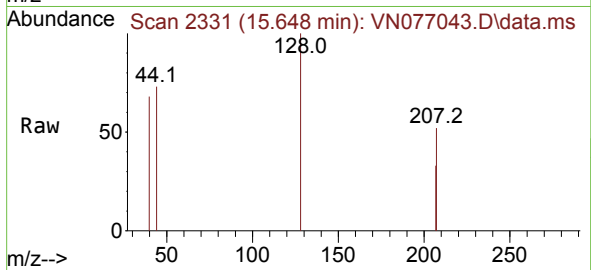
Tgt Ion: 75 Resp: 161875
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 1.981 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077043.D
Acq: 17 Mar 2023 19:23

Instrument :
MSVOA_N
ClientSampleId :
TB04-20230313



Tgt Ion:128 Resp: 1195
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

