

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077740.D
 Acq On : 18 May 2023 16:42
 Operator : JC\MD
 Sample : 02834-04 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20230515

Quant Time: May 29 08:52:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

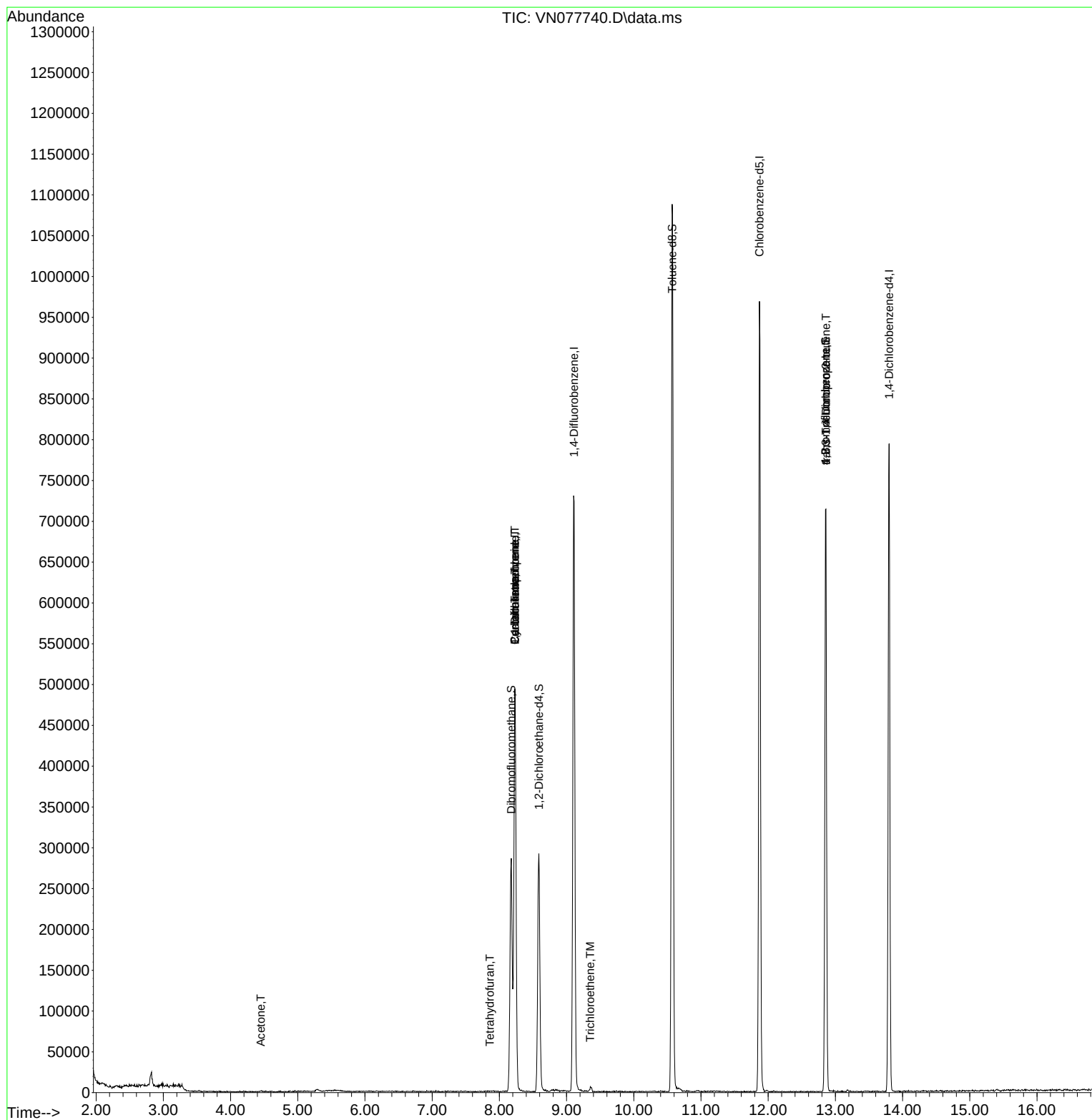
Internal Standards						
1) Pentafluorobenzene	8.229	168	353573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	647319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	573619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	214805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	241670	45.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.360%		
35) Dibromofluoromethane	8.177	113	207276	49.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.200%		
50) Toluene-d8	10.571	98	803636	49.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.920%		
62) 4-Bromofluorobenzene	12.853	95	267864	46.681	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.360%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	844	Below Cal	#	42
13) Acrolein	4.200	56	58	Below Cal	#	1
16) Acetone	4.447	43	919	0.552	ug/l #	40
20) Methylene Chloride	5.289	84	551	Below Cal	#	51
29) Tetrahydrofuran	7.859	42	348	0.204	ug/l #	20
31) Cyclohexane	8.229	56	8496	1.182	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	30866	4.999	ug/l #	50
38) Carbon Tetrachloride	8.229	117	39068	6.266	ug/l #	15
44) Trichloroethene	9.353	130	2572	0.558	ug/l	74
76) 1,2,3-Trichloropropane	12.859	75	142350	26.462	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	142350	84.585	ug/l #	15

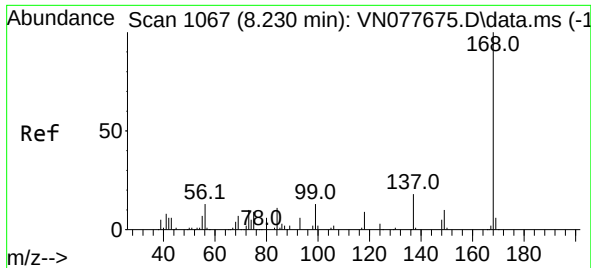
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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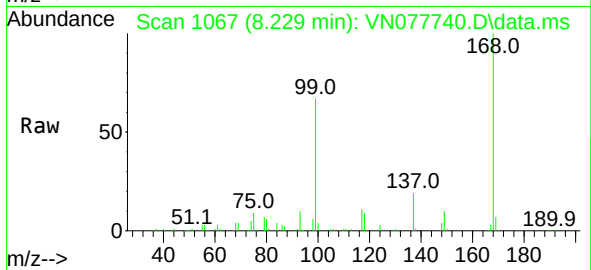
Quant Time: May 29 08:52:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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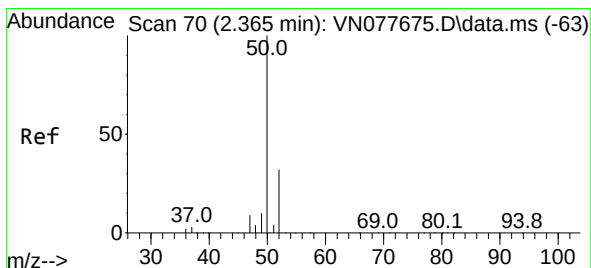
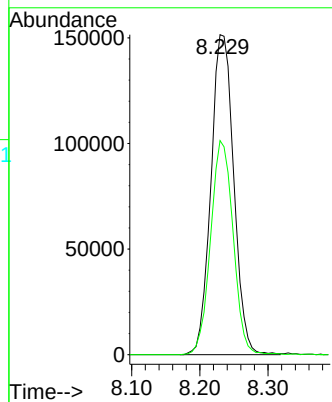
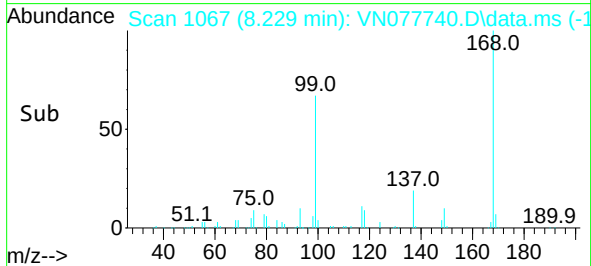


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

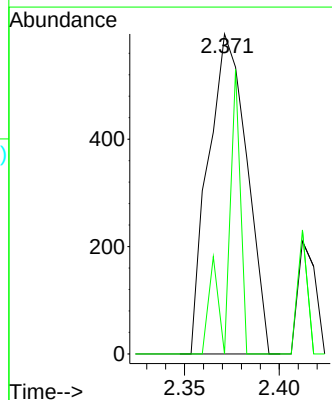
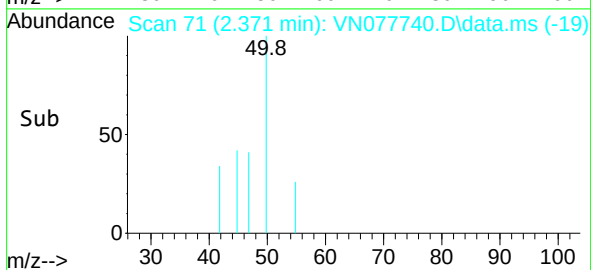
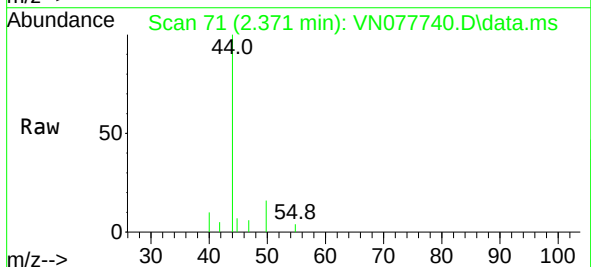


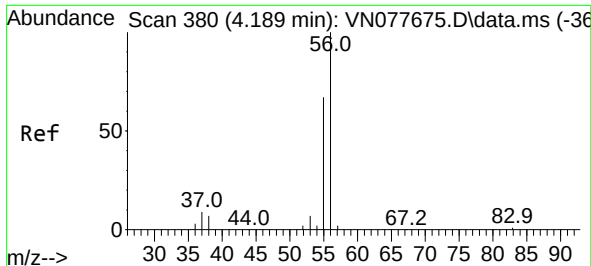
Tgt Ion:168 Resp: 353573
Ion Ratio Lower Upper
168 100
99 66.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Tgt Ion: 50 Resp: 844
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

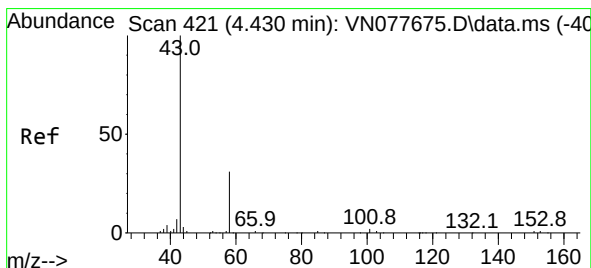
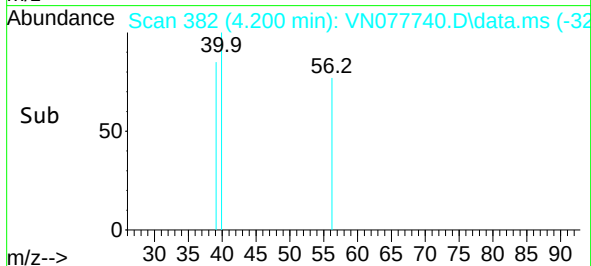
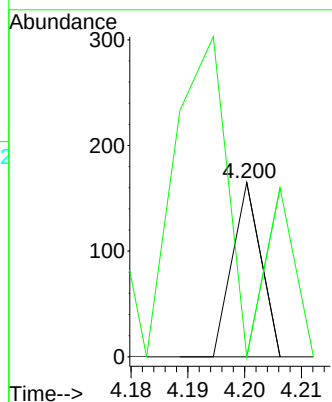
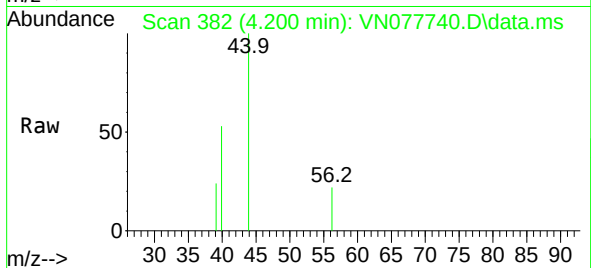




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

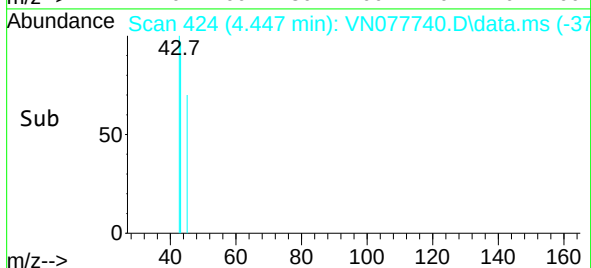
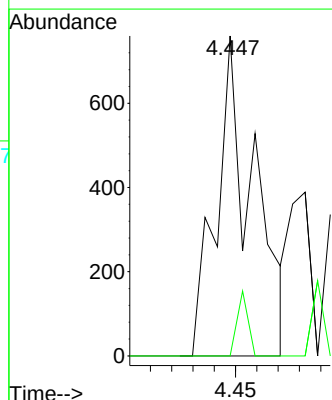
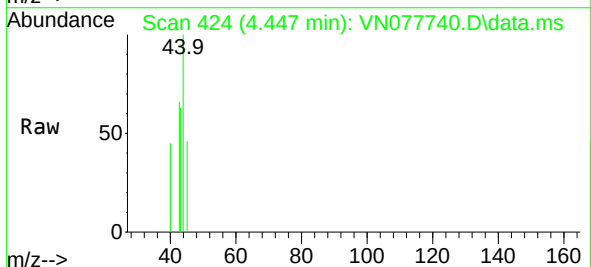
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

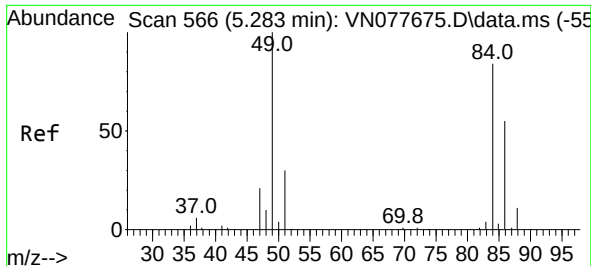
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 522.4 54.5 81.7#



#16
Acetone
Concen: 0.552 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

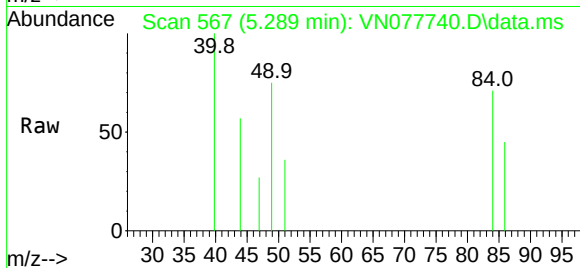
Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



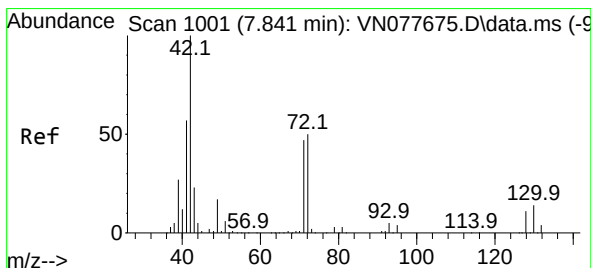
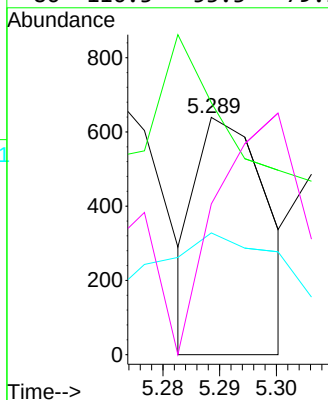
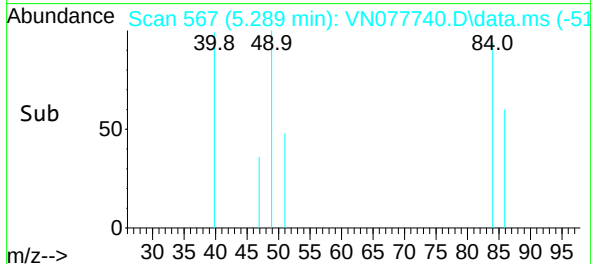


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

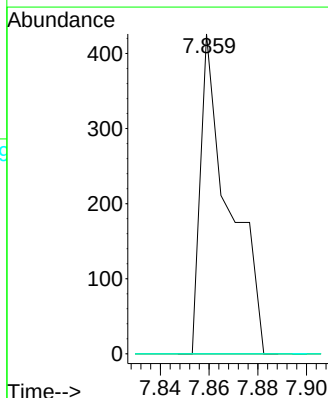
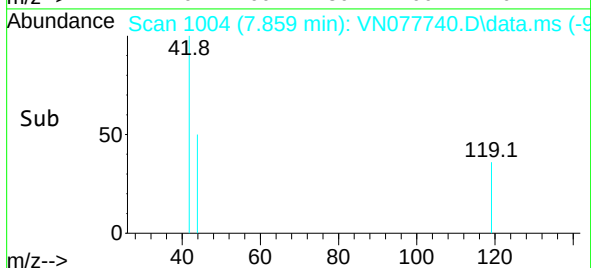
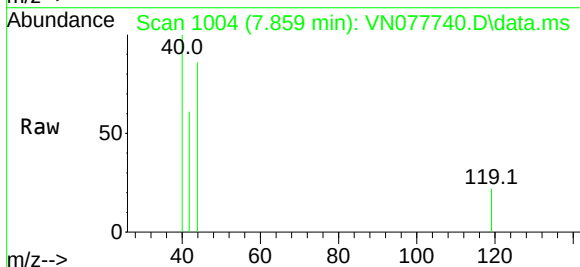


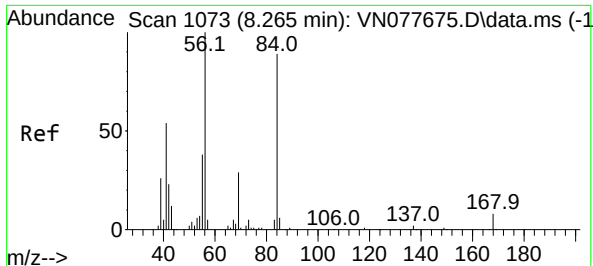
Tgt Ion: 84	Resp: 551
Ion Ratio	Lower Upper
84 100	
49 52.1	79.7 119.5#
51 18.9	25.2 37.8#
86 116.3	53.3 79.9#



#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

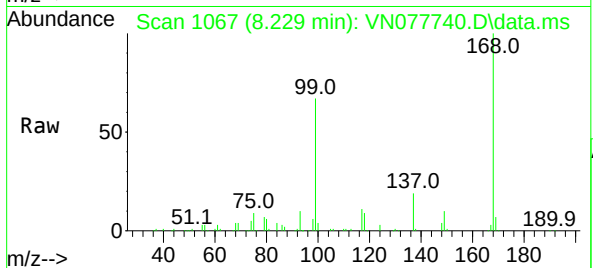
Tgt Ion: 42	Resp: 348
Ion Ratio	Lower Upper
42 100	
72 0.0	49.8 74.6#
71 0.0	47.4 71.2#



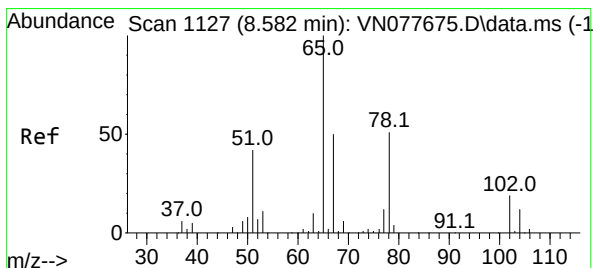
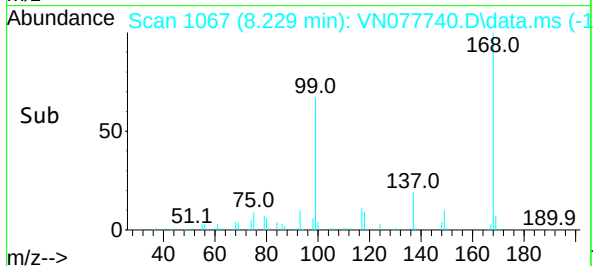
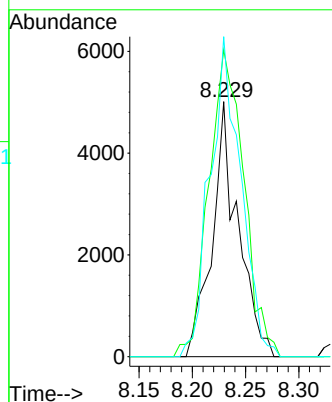


#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

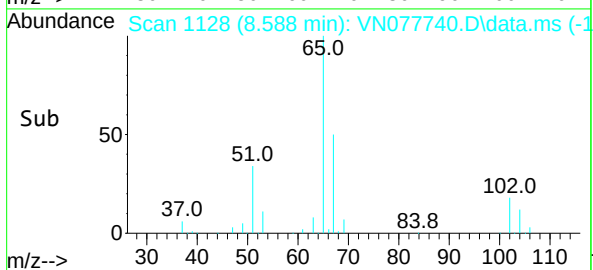
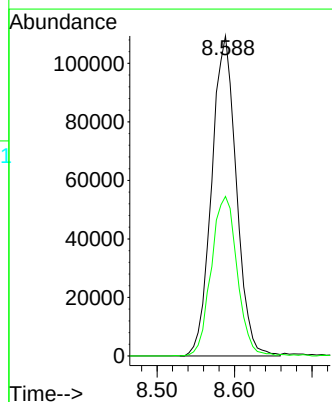
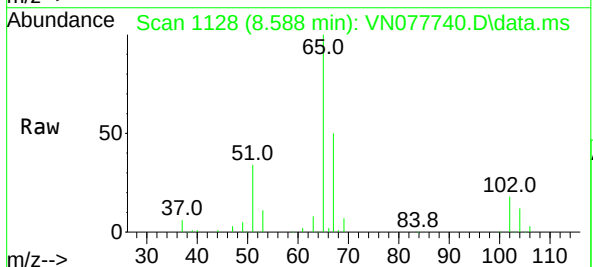


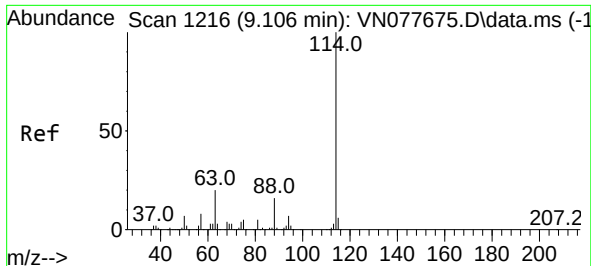
Tgt Ion: 56 Resp: 8496
Ion Ratio Lower Upper
56 100
69 120.3 26.8 40.2#
84 125.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.681 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Tgt Ion: 65 Resp: 241670
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077740.D

Acq: 18 May 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20230515

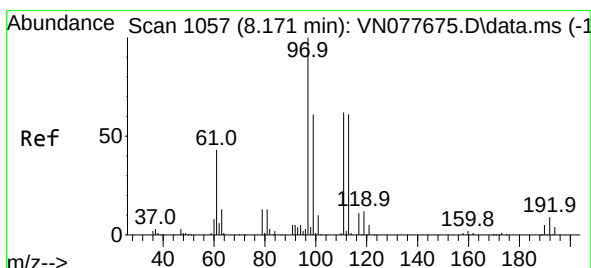
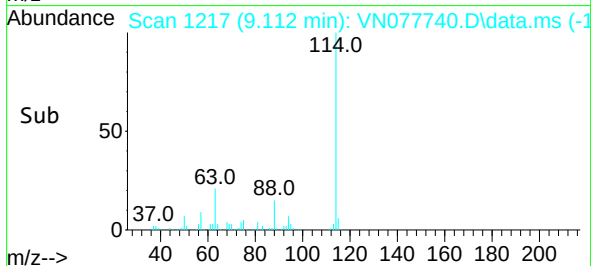
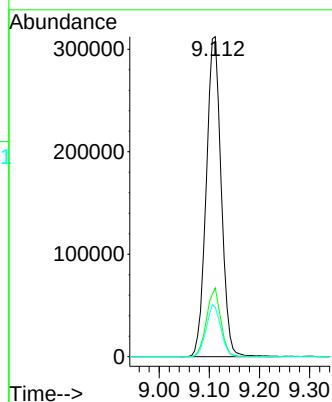
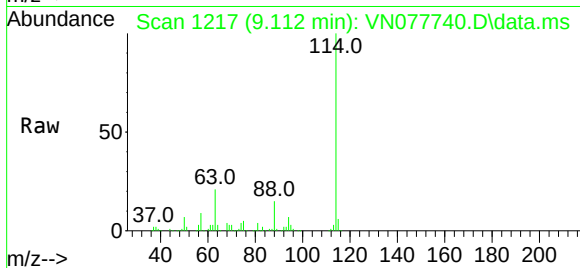
Tgt Ion:114 Resp: 647319

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.105 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077740.D

Acq: 18 May 2023 16:42

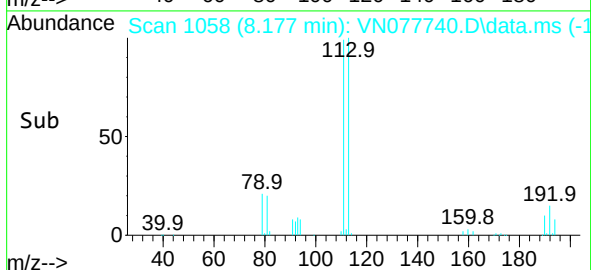
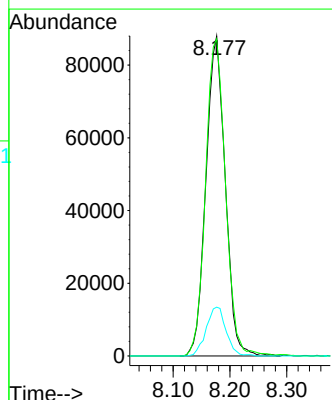
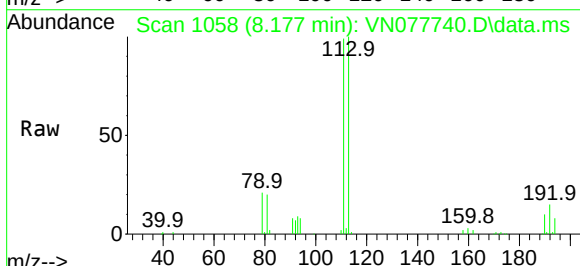
Tgt Ion:113 Resp: 207276

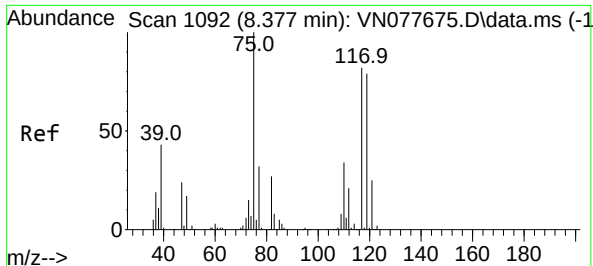
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 15.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077740.D

Acq: 18 May 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20230515

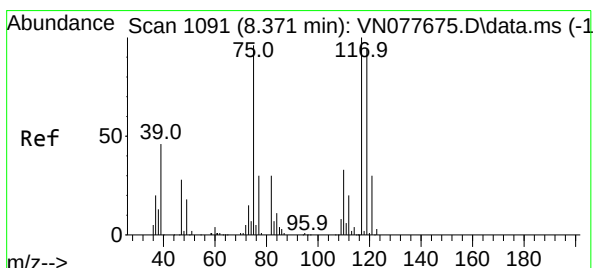
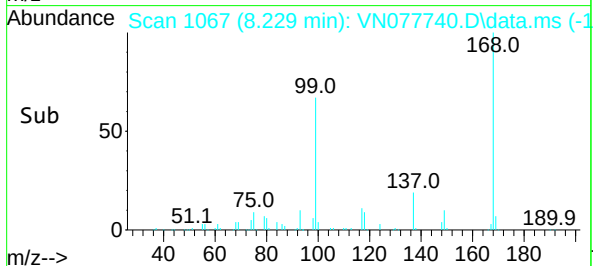
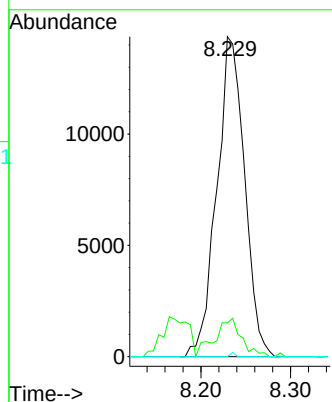
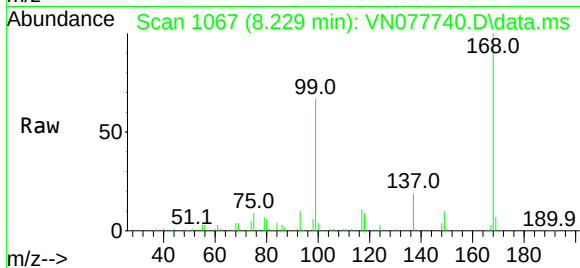
Tgt Ion: 75 Resp: 30866

Ion Ratio Lower Upper

75 100

110 10.9 19.1 57.3#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.266 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN077740.D

Acq: 18 May 2023 16:42

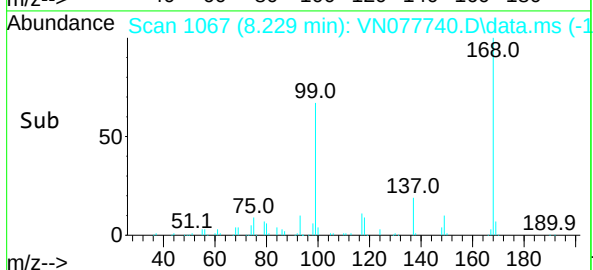
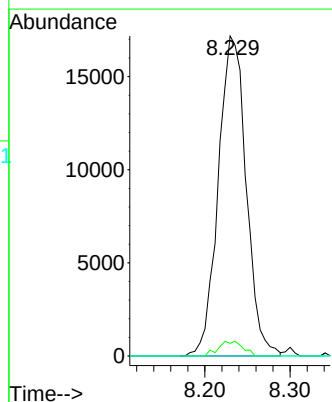
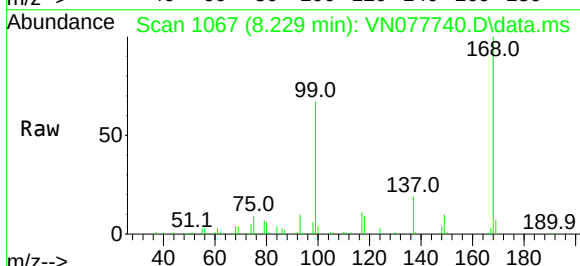
Tgt Ion: 117 Resp: 39068

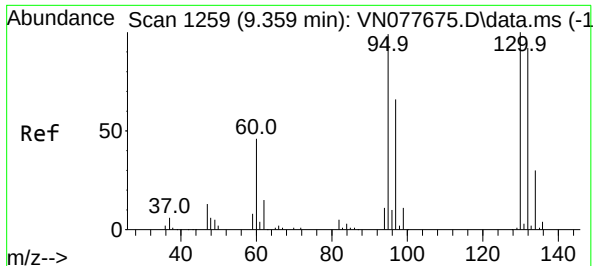
Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#

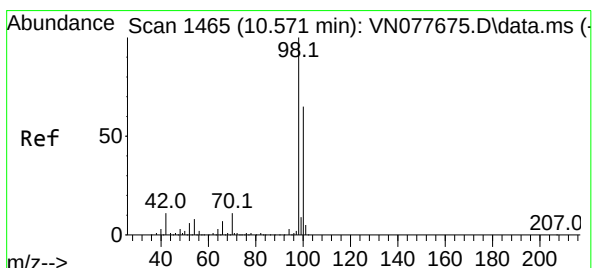
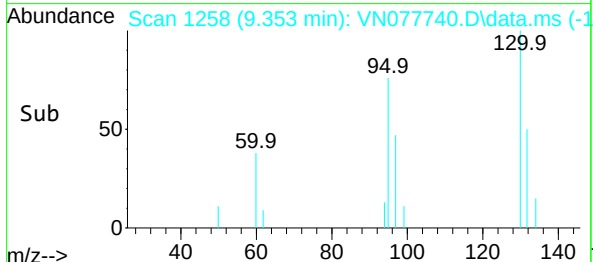
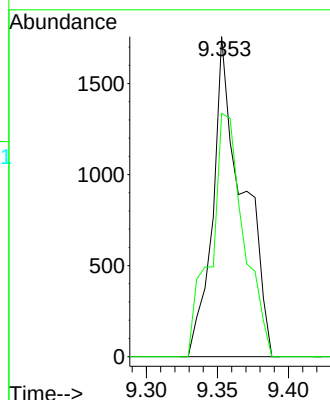
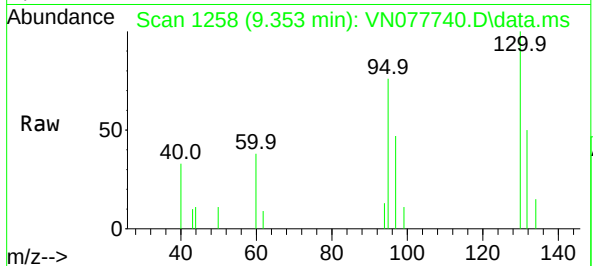




#44
Trichloroethene
Concen: 0.558 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

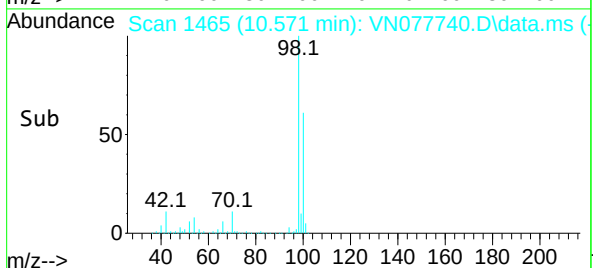
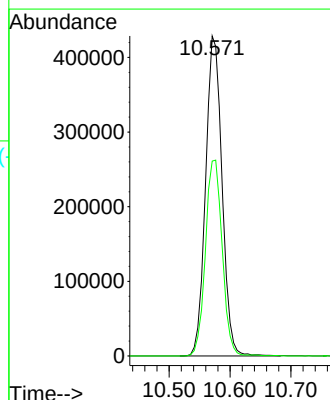
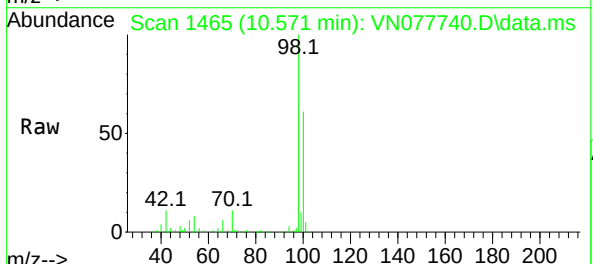
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

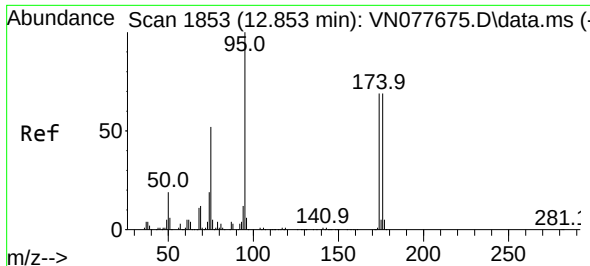
Tgt Ion:130 Resp: 2572
Ion Ratio Lower Upper
130 100
95 76.0 0.0 204.6



#50
Toluene-d8
Concen: 49.463 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Tgt Ion: 98 Resp: 803636
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0

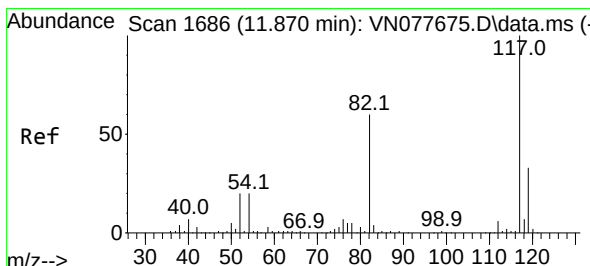
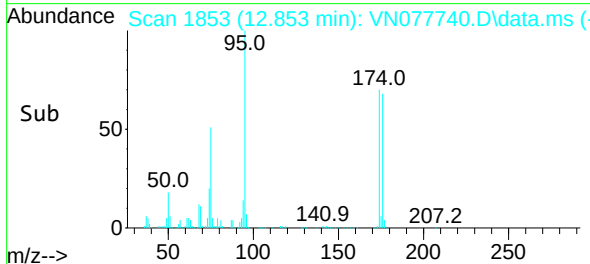
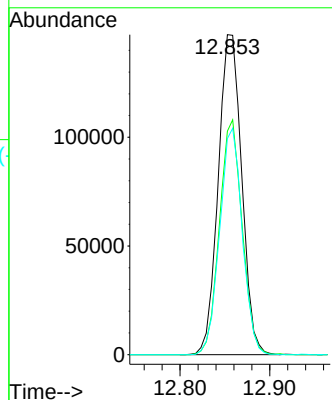
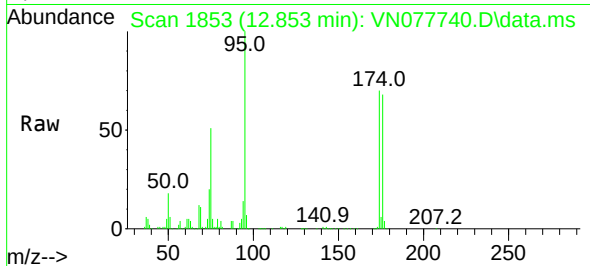




#62
4-Bromofluorobenzene
Concen: 46.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

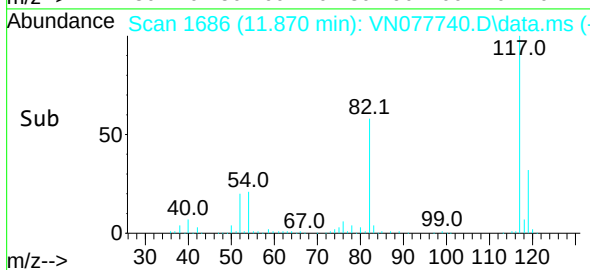
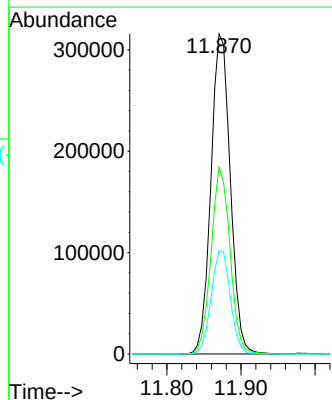
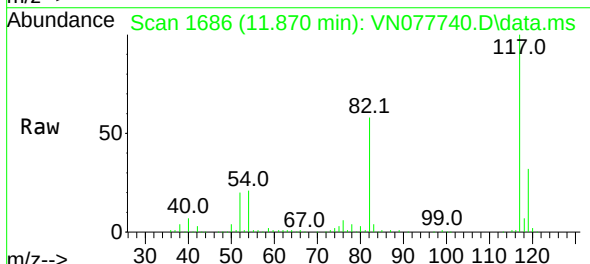
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

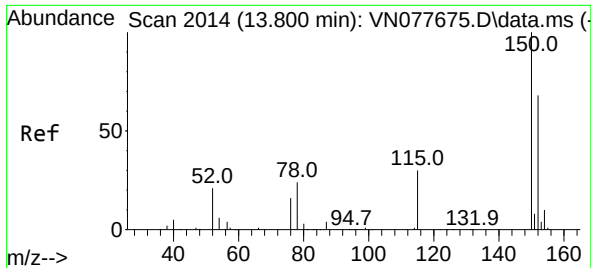
Tgt Ion: 95 Resp: 267864
Ion Ratio Lower Upper
95 100
174 70.9 0.0 143.8
176 68.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077740.D
Acq: 18 May 2023 16:42

Tgt Ion: 117 Resp: 573619
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 32.3 25.6 38.4

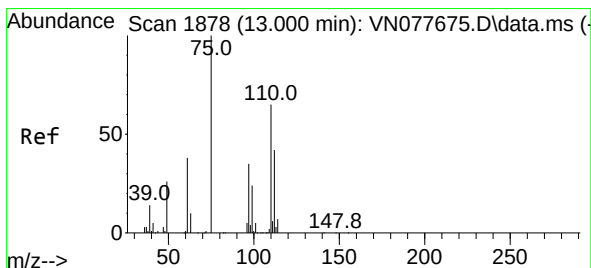
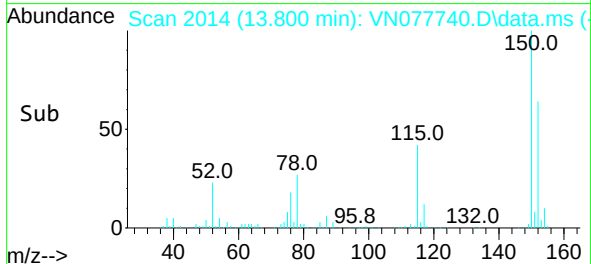
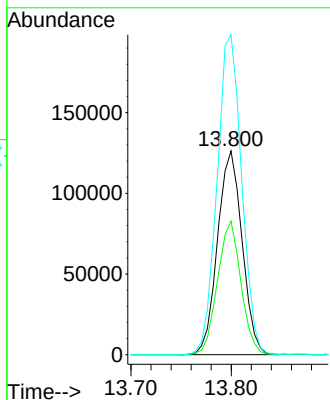
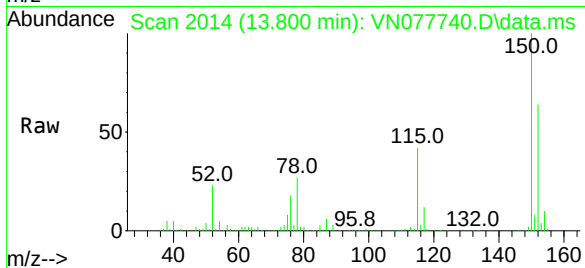




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077740.D
 Acq: 18 May 2023 16:42

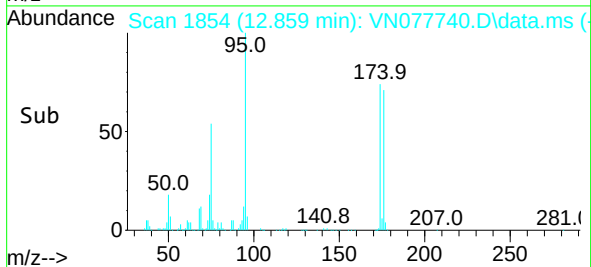
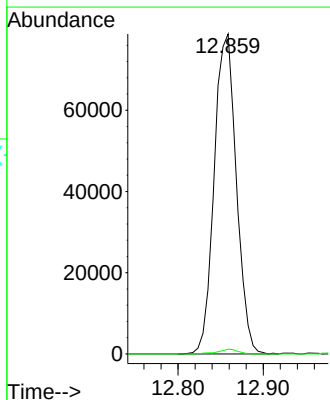
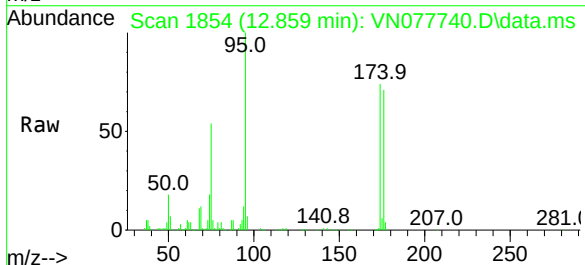
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20230515

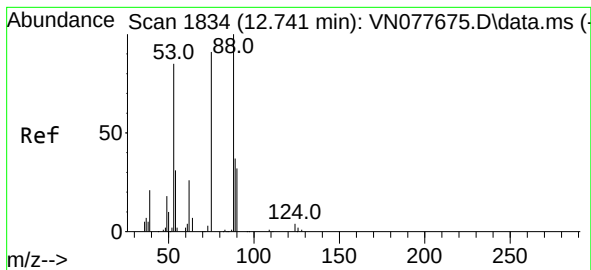
Tgt Ion:152 Resp: 214805
 Ion Ratio Lower Upper
 152 100
 115 62.4 32.3 96.8
 150 157.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.462 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077740.D
 Acq: 18 May 2023 16:42

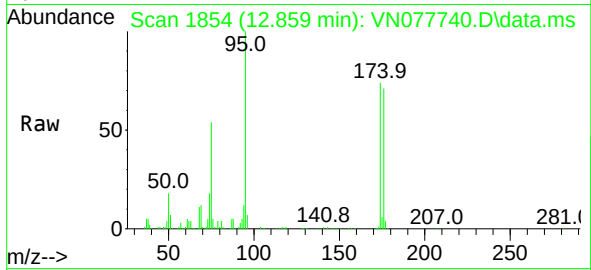
Tgt Ion: 75 Resp: 142350
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.585 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077740.D
 Acq: 18 May 2023 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20230515



Tgt Ion: 75 Resp: 142350
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.2 38.8 58.2#

