

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077763.D
 Acq On : 19 May 2023 14:49
 Operator : JC\MD
 Sample : 02834-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20230515

Quant Time: May 29 09:48:52 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)

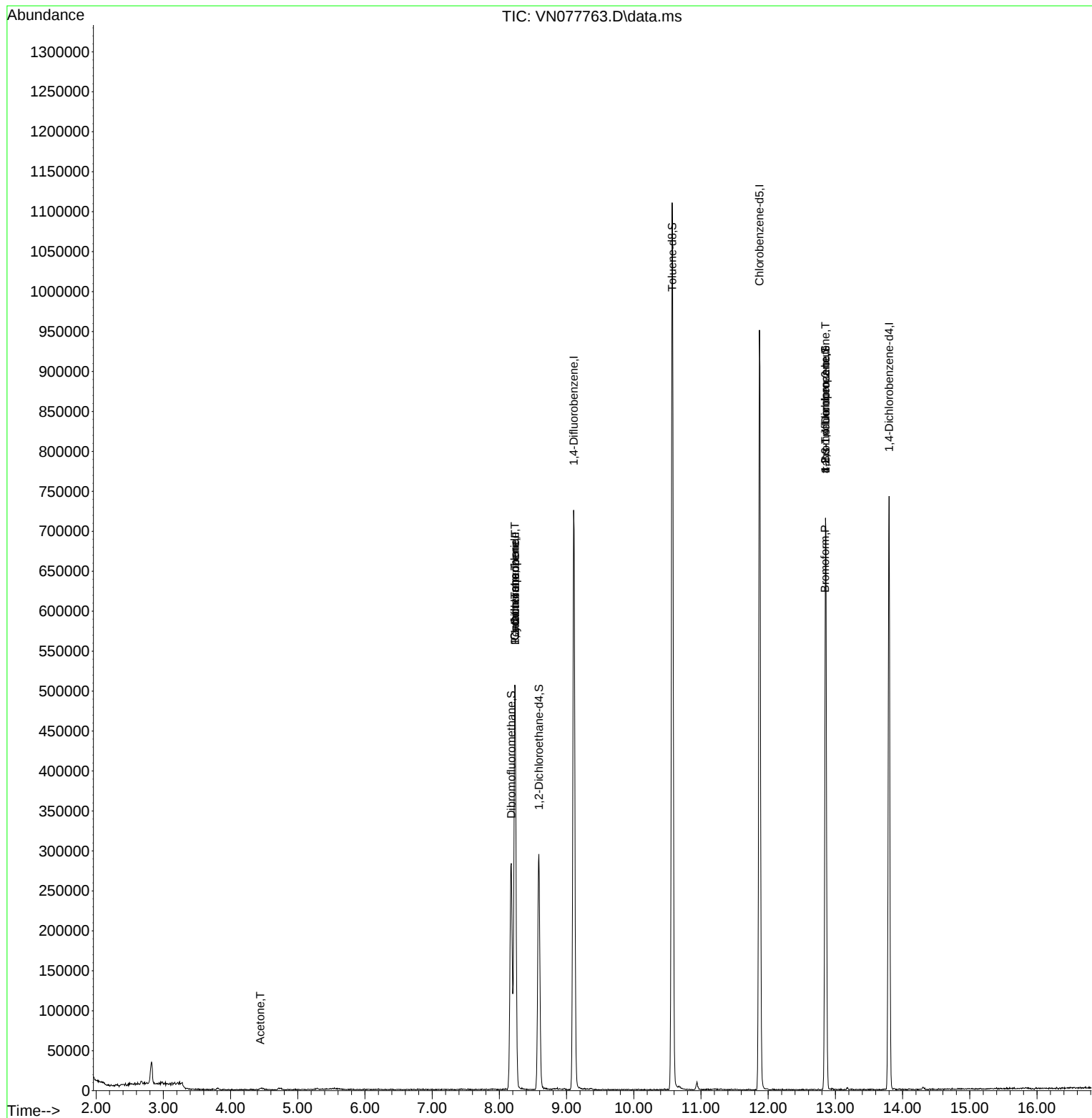
Internal Standards						
1) Pentafluorobenzene	8.235	168	363661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	649908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	570630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	245621	45.140	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.280%		
35) Dibromofluoromethane	8.177	113	208626	49.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.460%		
50) Toluene-d8	10.571	98	802807	49.215	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.853	95	258083	44.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.600%		
Target Compounds						
3) Chloromethane	2.377	50	1225	Below Cal	#	84
13) Acrolein	4.183	56	77	Below Cal		85
16) Acetone	4.442	43	1545	0.903	ug/l	97
20) Methylene Chloride	5.294	84	464	Below Cal	#	58
31) Cyclohexane	8.230	56	8392	1.135	ug/l	# 1
36) 1,1-Dichloropropene	8.235	75	30448	4.912	ug/l	# 49
38) Carbon Tetrachloride	8.230	117	39744	6.350	ug/l	# 16
71) Bromoform	12.847	173	754	0.265	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	137857	28.326	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	137857	90.546	ug/l	# 15

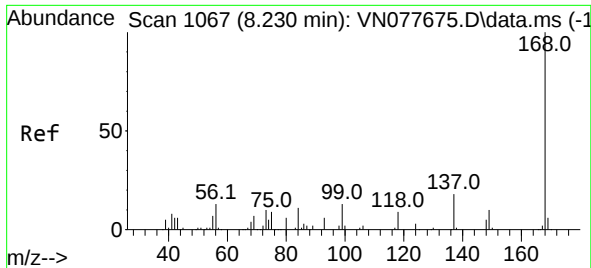
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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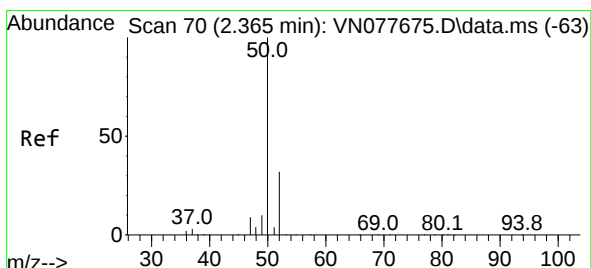
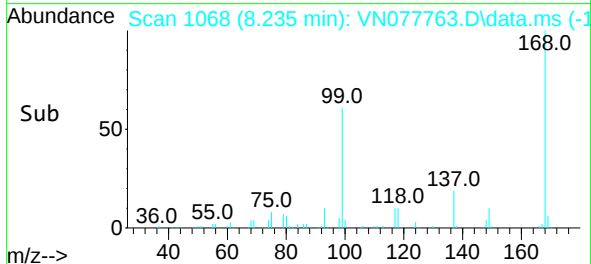
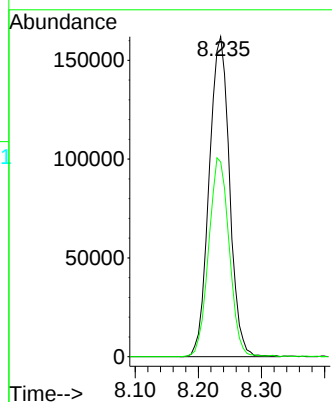
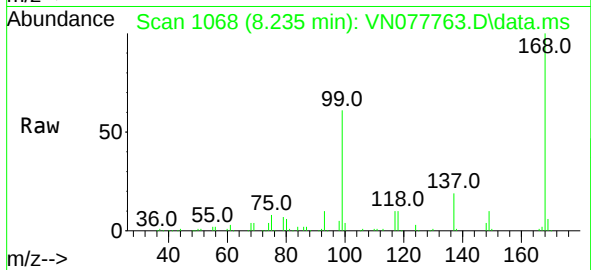




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

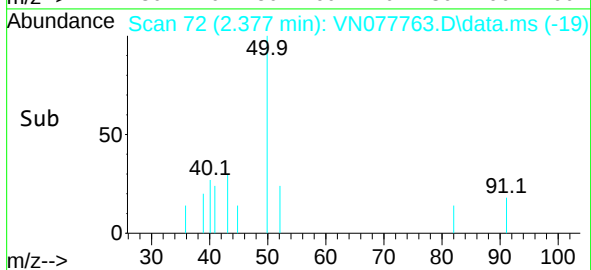
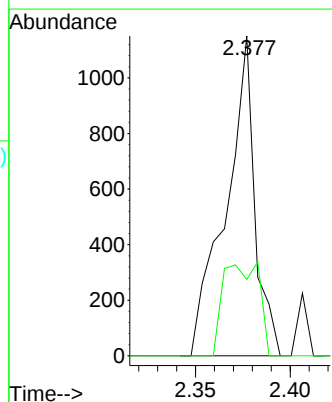
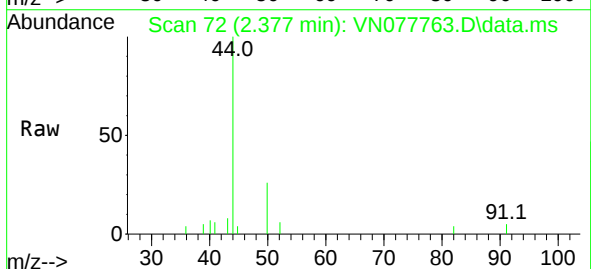
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

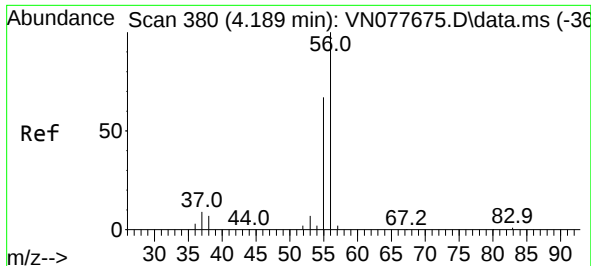
Tgt Ion:168 Resp: 363661
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 23.9 26.5 39.7#

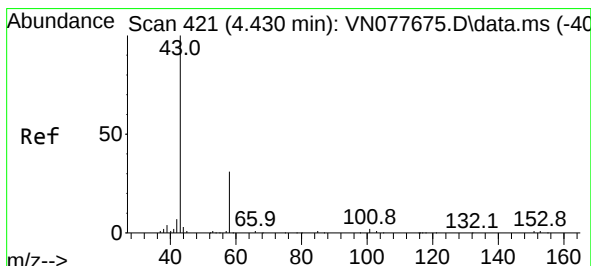
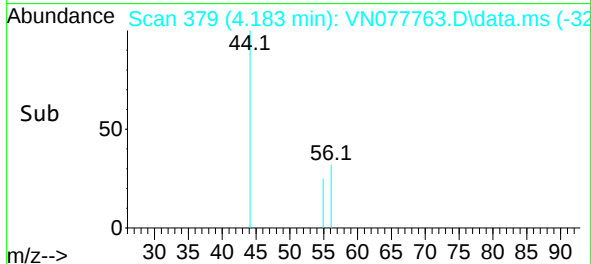
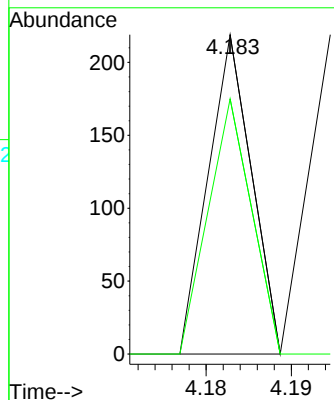
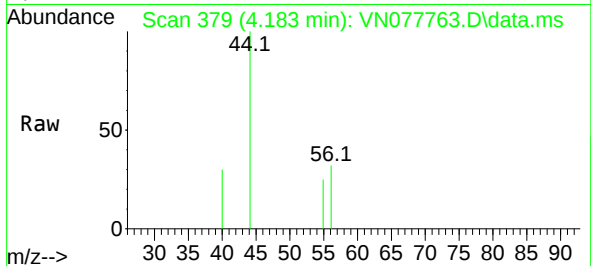




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

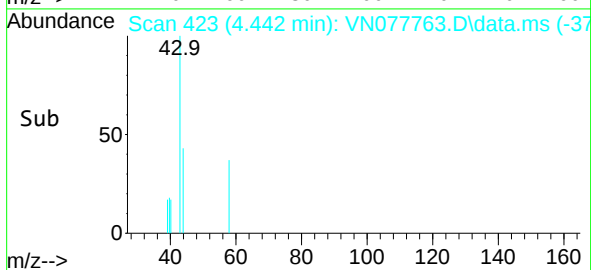
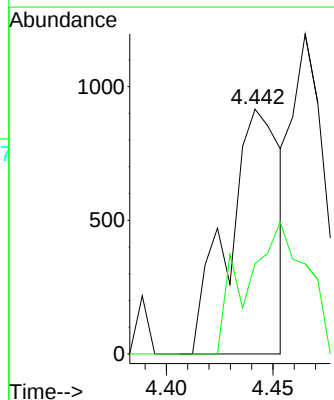
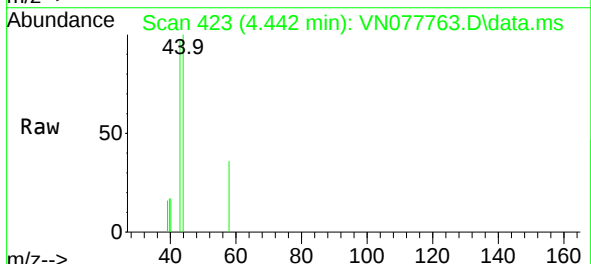
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

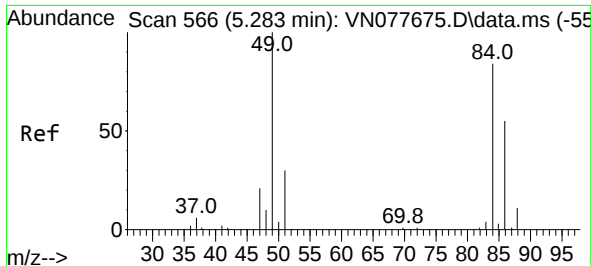
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 80.5 54.5 81.7



#16
Acetone
Concen: 0.903 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

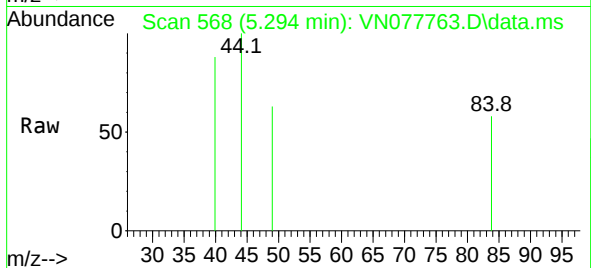
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 36.9 28.0 42.0



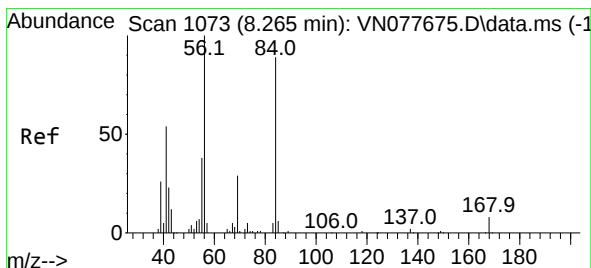
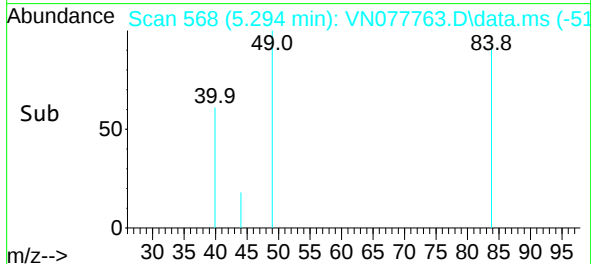
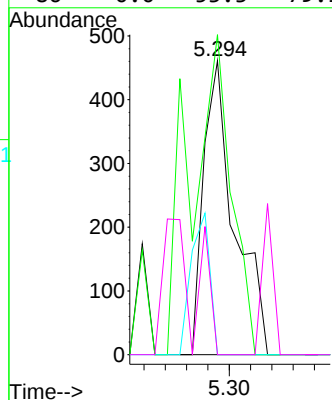


#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

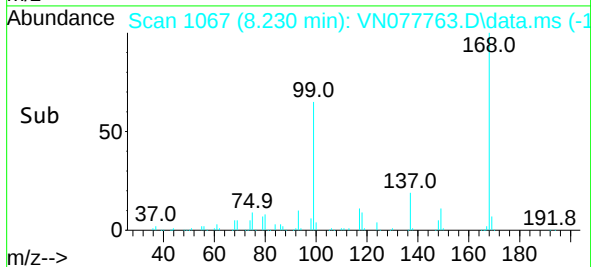
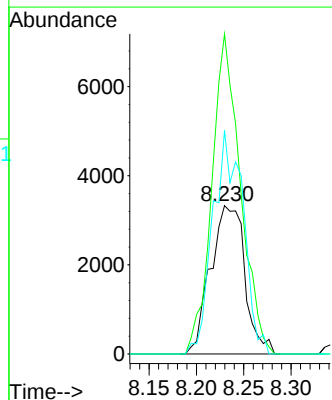
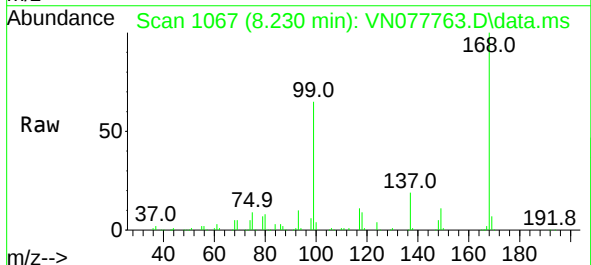


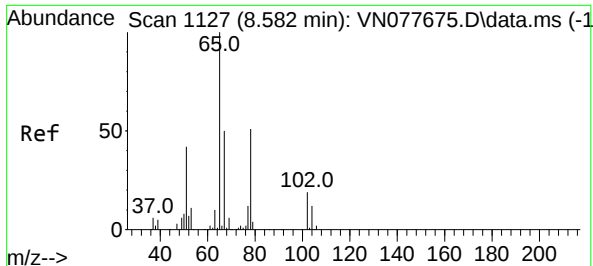
Tgt Ion:	84	Resp:	464
Ion	Ratio	Lower	Upper
84	100		
49	108.9	79.7	119.5
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion:	56	Resp:	8392
Ion	Ratio	Lower	Upper
56	100		
69	215.6	26.8	40.2#
84	150.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.140 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077763.D

Acq: 19 May 2023 14:49

Instrument :

MSVOA_N

ClientSampleId :

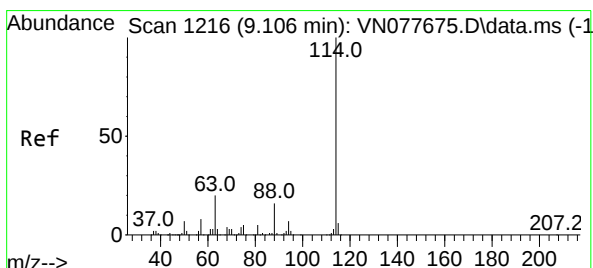
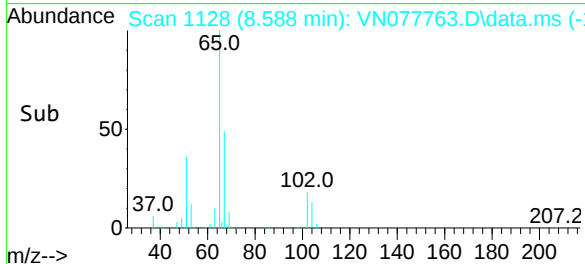
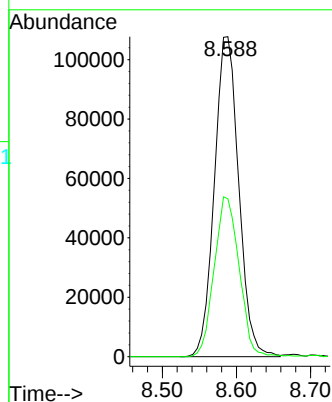
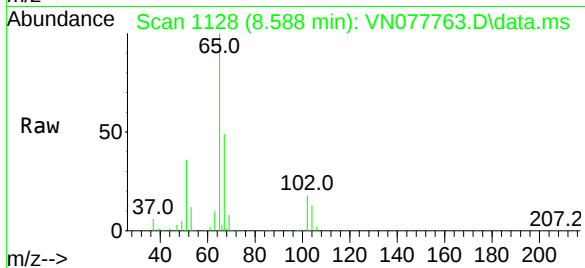
DUP01-20230515

Tgt Ion: 65 Resp: 245621

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077763.D

Acq: 19 May 2023 14:49

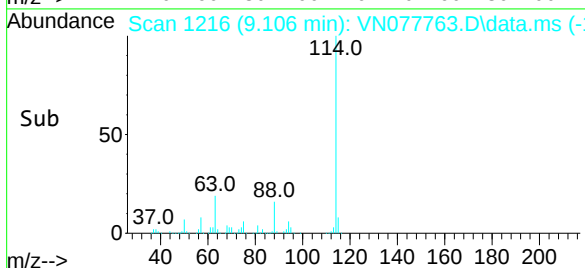
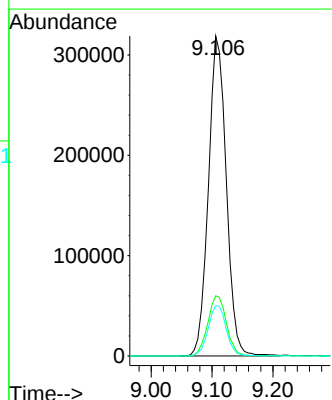
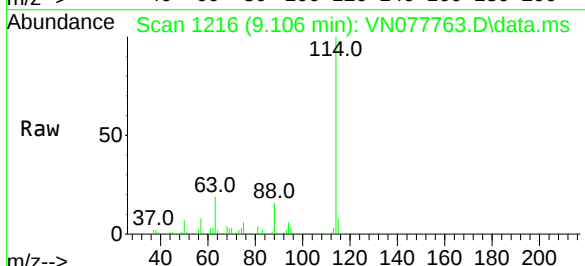
Tgt Ion: 114 Resp: 649908

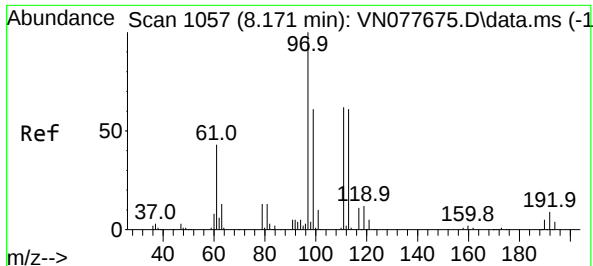
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.228 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077763.D

Acq: 19 May 2023 14:49

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20230515

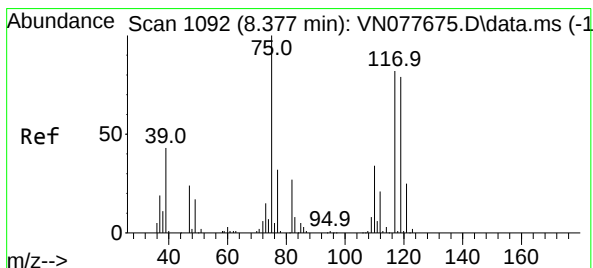
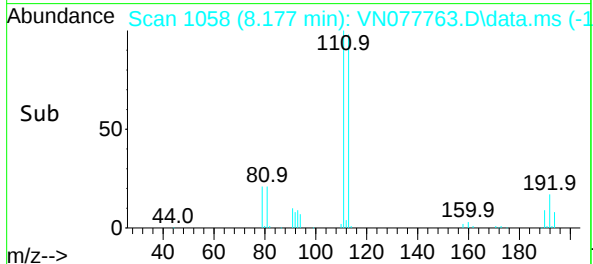
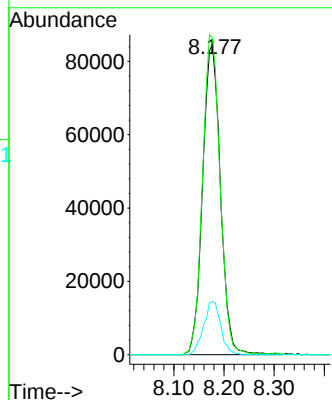
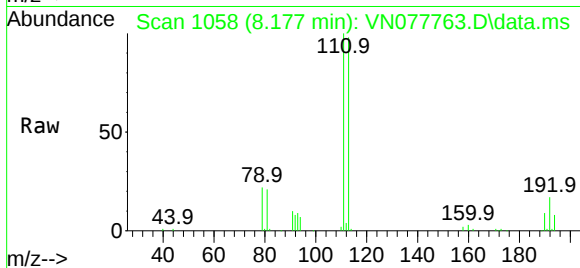
Tgt Ion:113 Resp: 208626

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077763.D

Acq: 19 May 2023 14:49

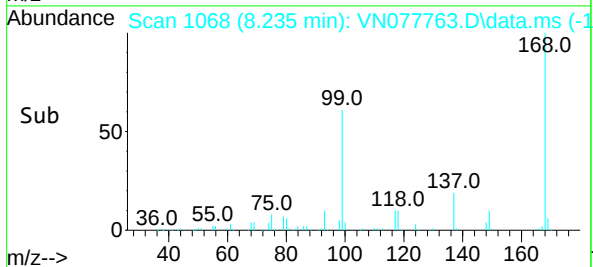
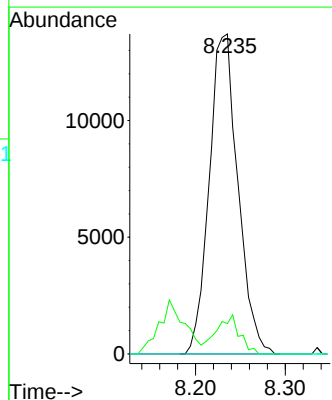
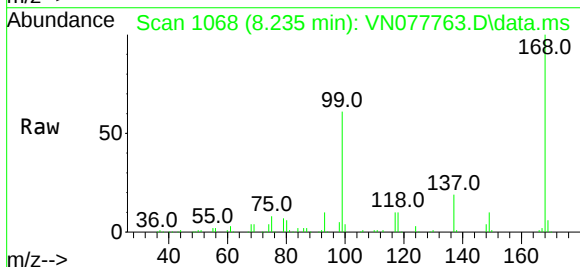
Tgt Ion: 75 Resp: 30448

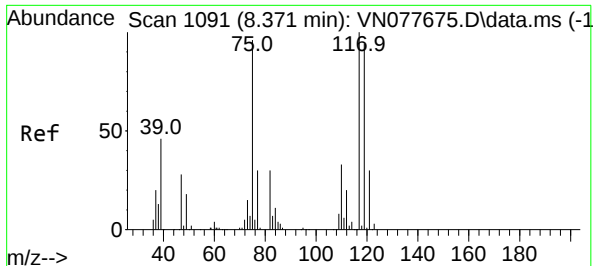
Ion Ratio Lower Upper

75 100

110 10.0 19.1 57.3#

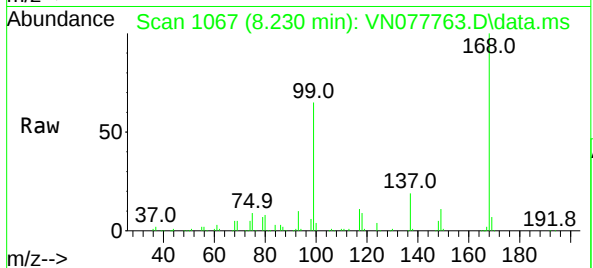
77 0.0 25.0 37.4#



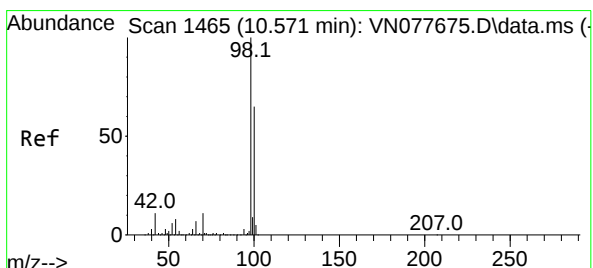
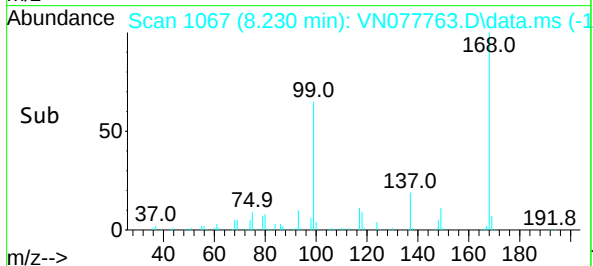
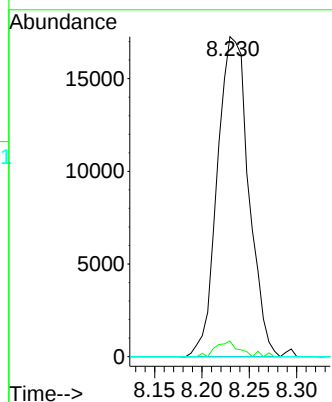


#38
Carbon Tetrachloride
Concen: 6.350 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

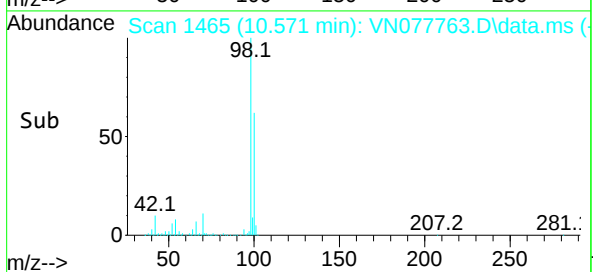
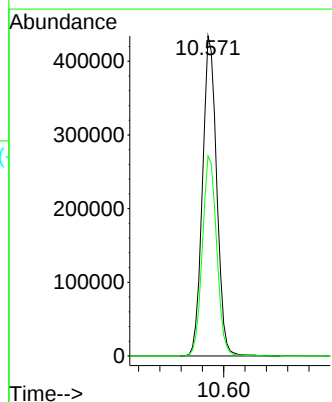
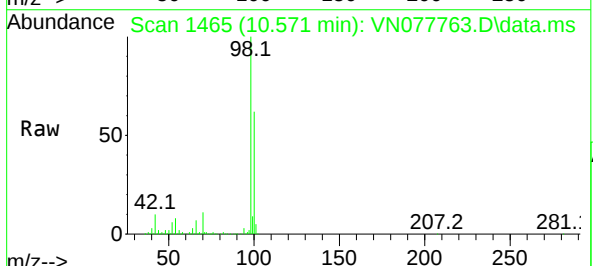


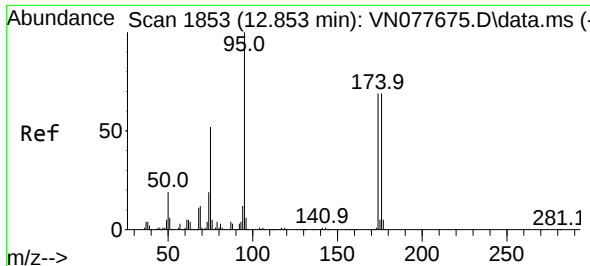
Tgt Ion:117 Resp: 39744
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.215 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion: 98 Resp: 802807
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

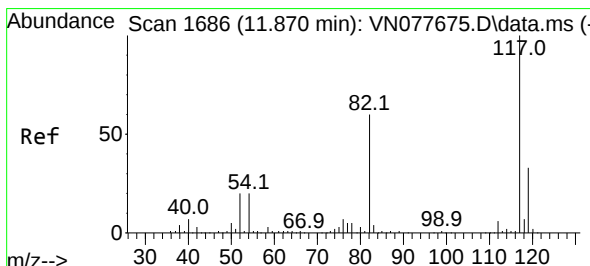
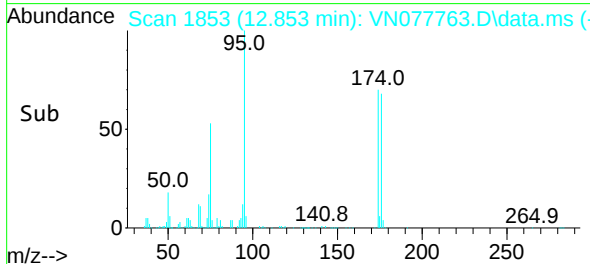
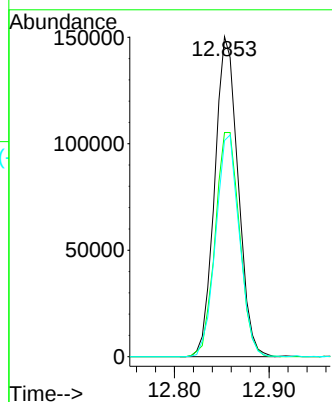
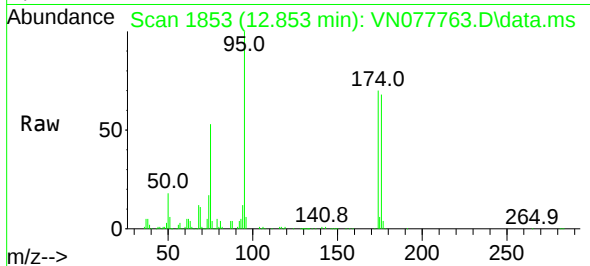




#62
4-Bromofluorobenzene
Concen: 44.797 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

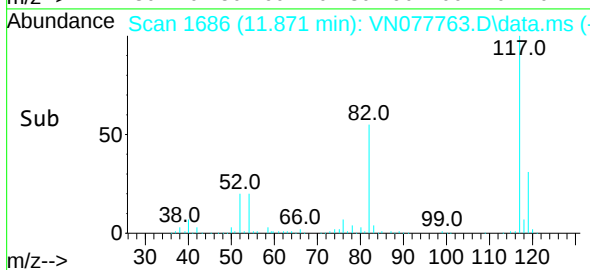
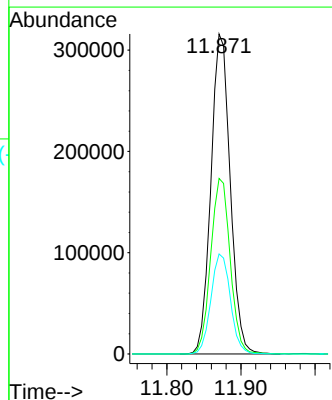
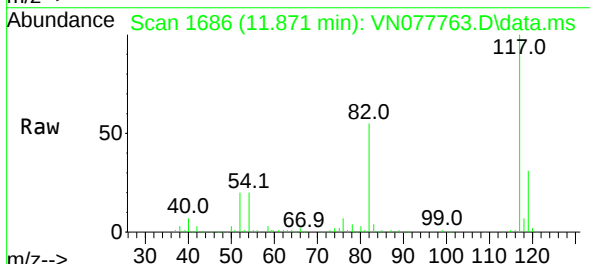
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

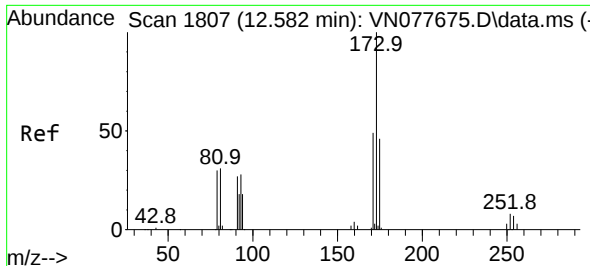
Tgt Ion: 95 Resp: 258083
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion: 117 Resp: 570630
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 31.3 25.6 38.4

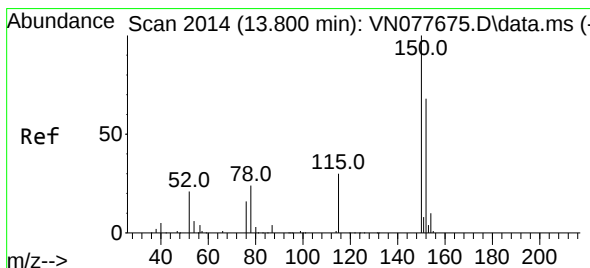
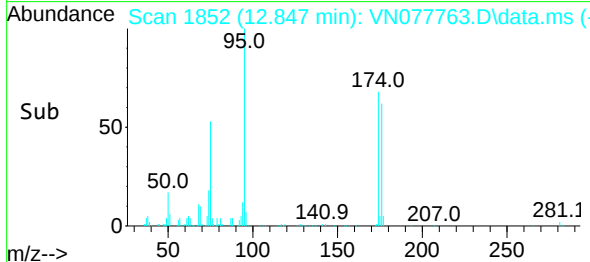
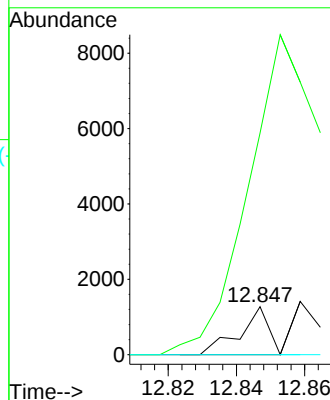
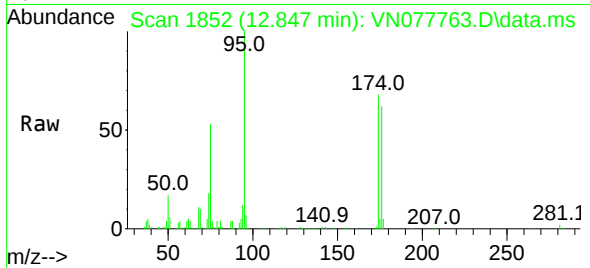




#71
Bromoform
Concen: 0.265 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

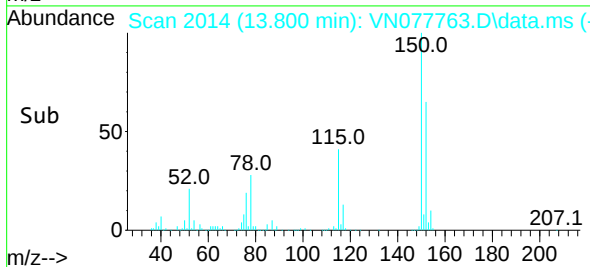
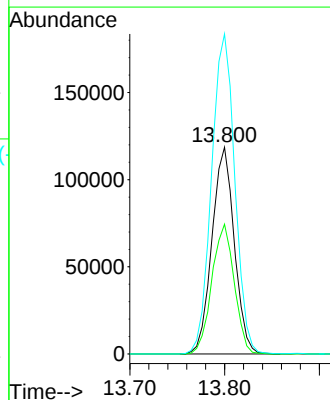
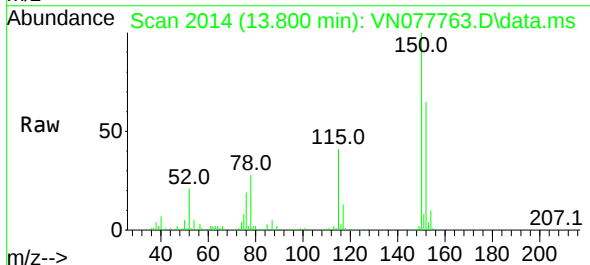
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

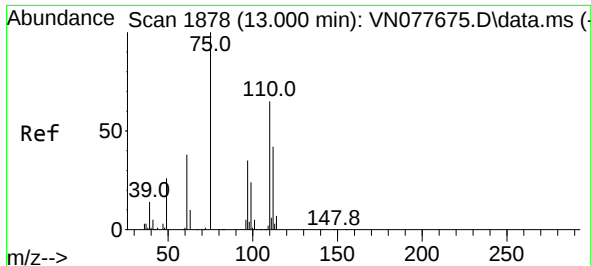
Tgt Ion:173 Resp: 754
Ion Ratio Lower Upper
173 100
175 1272.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion:152 Resp: 194331
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 161.0 0.0 355.8

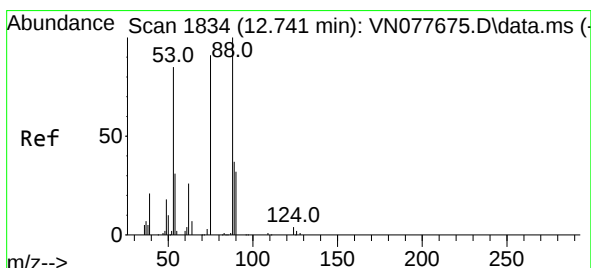
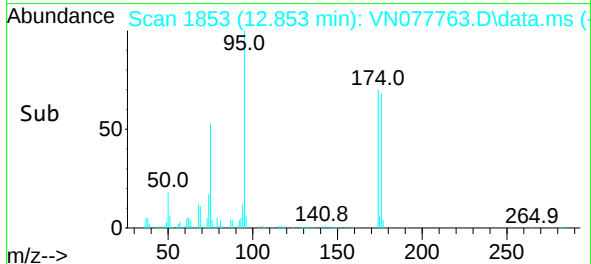
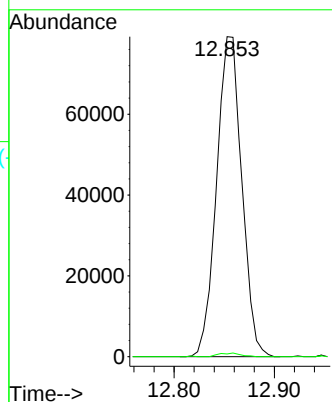
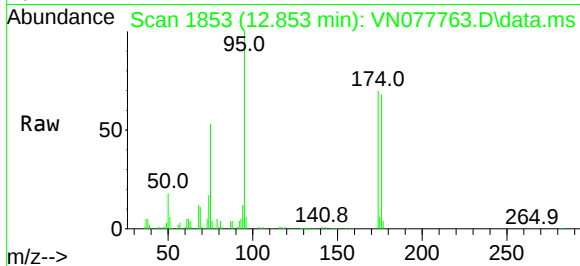




#76
1,2,3-Trichloropropane
Concen: 28.326 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20230515

Tgt Ion: 75 Resp: 137857
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.546 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077763.D
Acq: 19 May 2023 14:49

Tgt Ion: 75 Resp: 137857
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

