

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077800.D
 Acq On : 22 May 2023 19:29
 Operator : JC\MD
 Sample : 02880-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20230519

Quant Time: May 23 04:21:38 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)

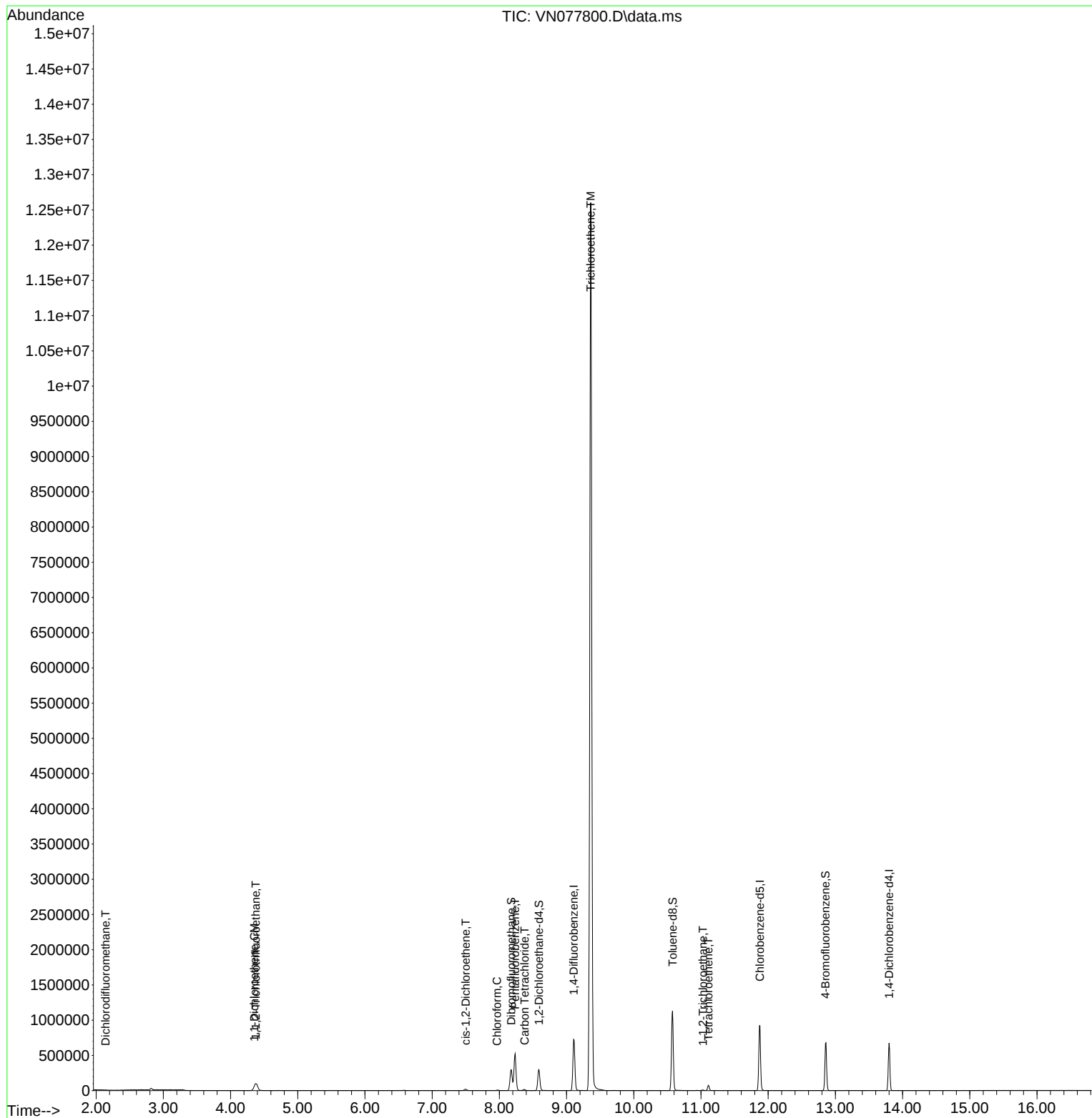
Internal Standards						
1) Pentafluorobenzene	8.235	168	366633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	562654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	181557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	247036	45.032	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.060%
35) Dibromofluoromethane	8.177	113	215665	50.409	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.820%
50) Toluene-d8	10.576	98	815518	49.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.853	95	246723	42.421	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	1609	0.386	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	64762	15.962	ug/l	98
12) 1,1-Dichloroethene	4.353	96	15989	4.146	ug/l #	90
27) cis-1,2-Dichloroethene	7.500	96	12527	2.412	ug/l	89
30) Chloroform	7.965	83	6959	0.778	ug/l	87
38) Carbon Tetrachloride	8.377	117	11441	1.811	ug/l	83
44) Trichloroethene	9.359	130	4426878	946.759	ug/l	99
55) 1,1,2-Trichloroethane	11.029	97	2503	0.548	ug/l #	80
64) Tetrachloroethene	11.112	164	17431	4.430	ug/l	92

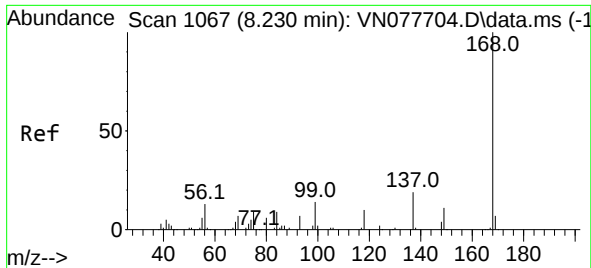
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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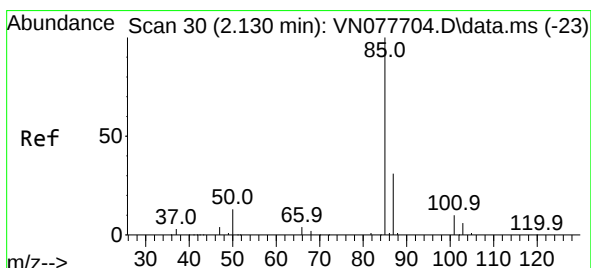
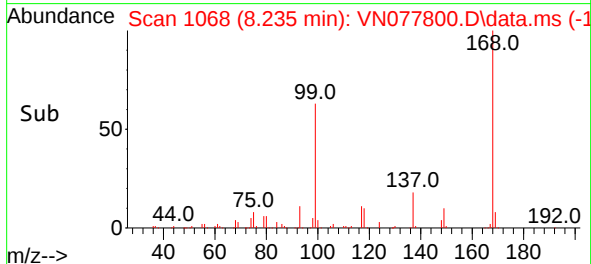
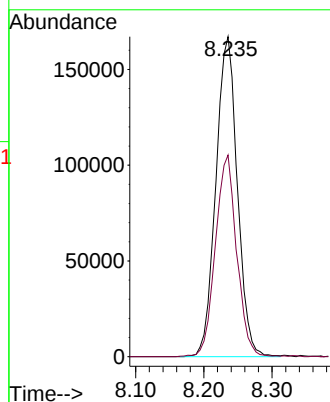
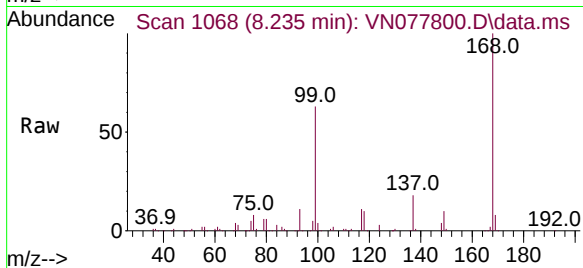




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

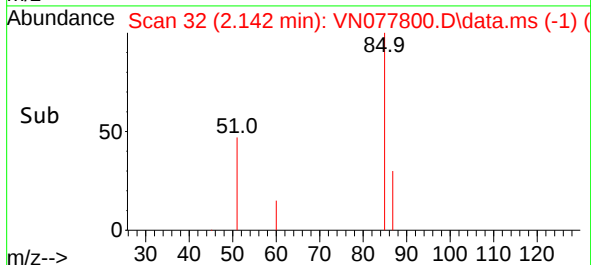
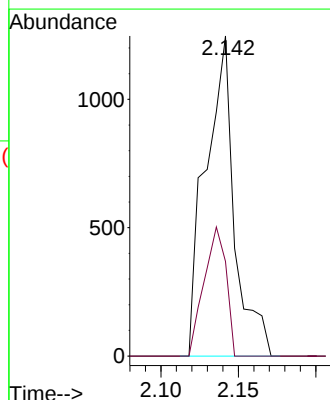
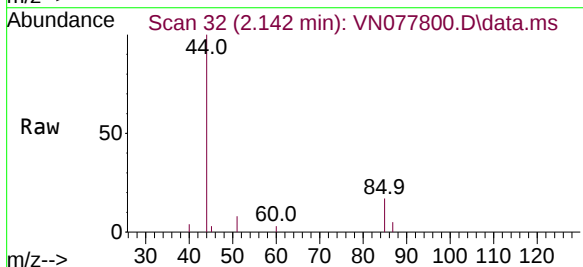
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519

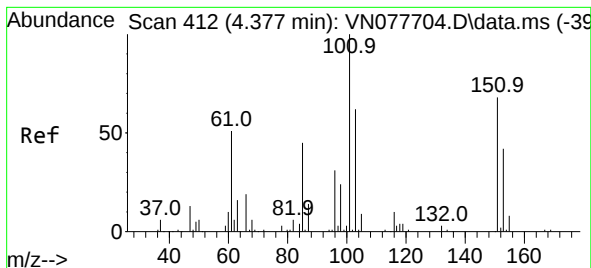
Tgt Ion:168 Resp: 366633
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.386 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.012 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

Tgt Ion: 85 Resp: 1609
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.962 ug/l

RT: 4.377 min Scan# 412

Delta R.T. -0.000 min

Lab File: VN077800.D

Acq: 22 May 2023 19:29

Instrument :

MSVOA_N

ClientSampleId :

RE137-20230519

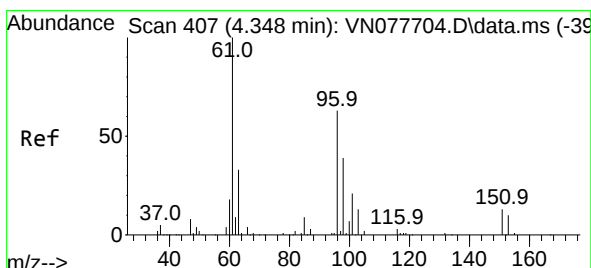
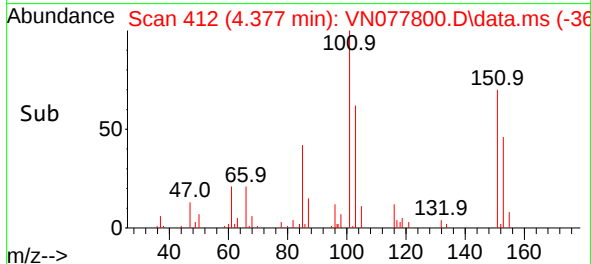
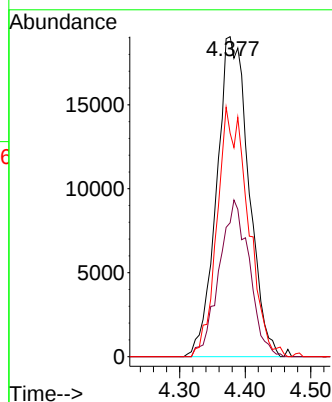
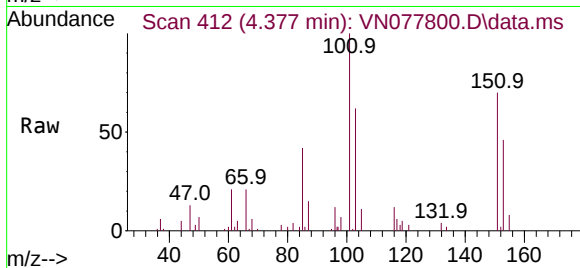
Tgt Ion:101 Resp: 64762

Ion Ratio Lower Upper

101 100

85 46.1 36.6 55.0

151 75.1 57.6 86.4



#12

1,1-Dichloroethene

Concen: 4.146 ug/l

RT: 4.353 min Scan# 408

Delta R.T. 0.006 min

Lab File: VN077800.D

Acq: 22 May 2023 19:29

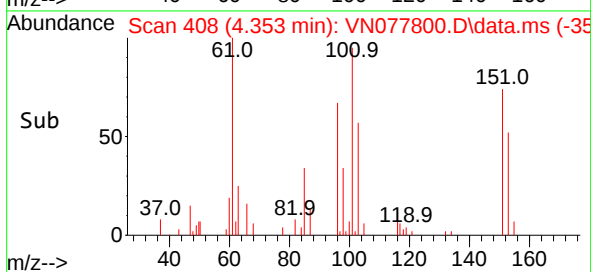
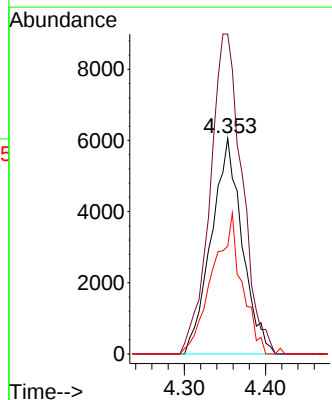
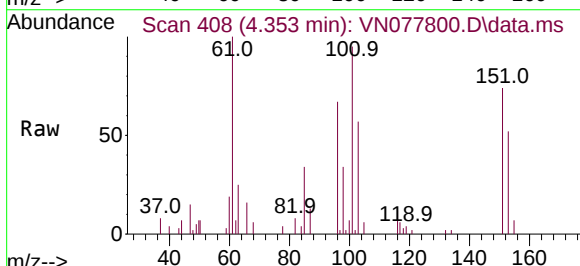
Tgt Ion: 96 Resp: 15989

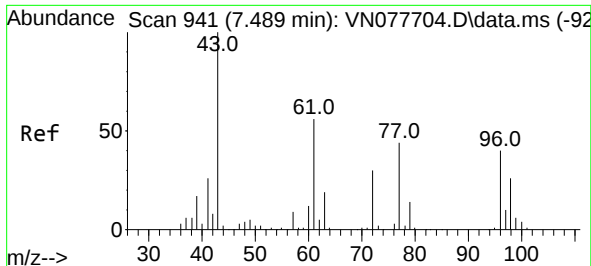
Ion Ratio Lower Upper

96 100

61 148.4 112.7 169.1

98 50.0 51.2 76.8#

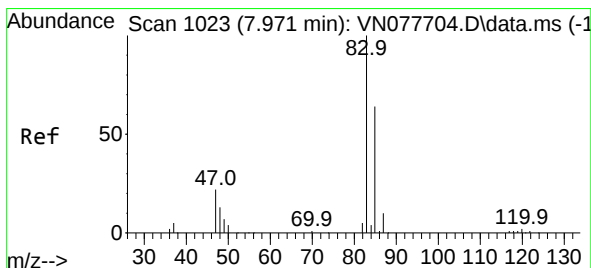
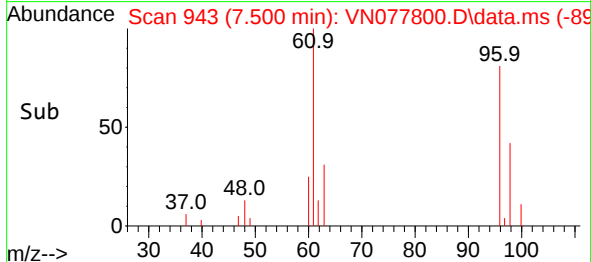
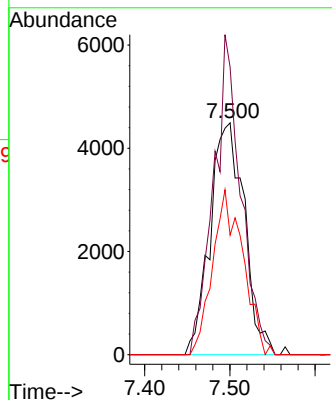
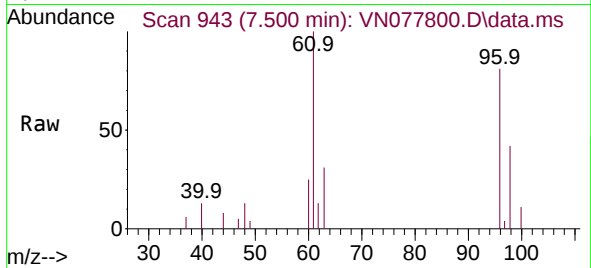




#27
 cis-1,2-Dichloroethene
 Concen: 2.412 ug/l
 RT: 7.500 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN077800.D
 Acq: 22 May 2023 19:29

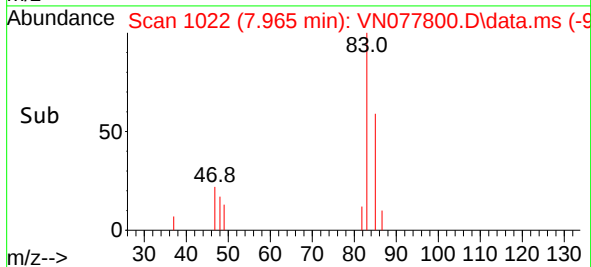
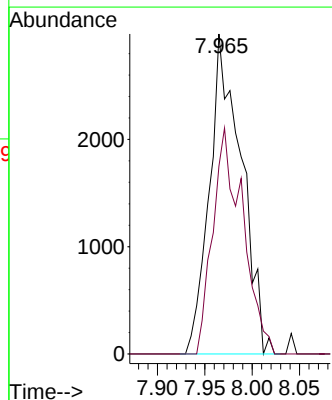
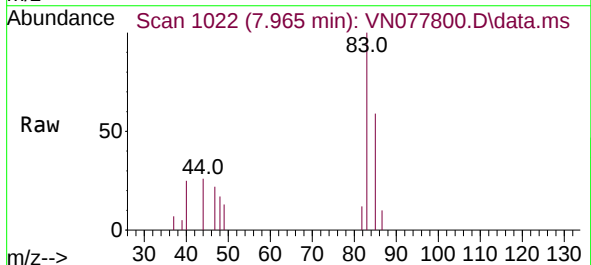
Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20230519

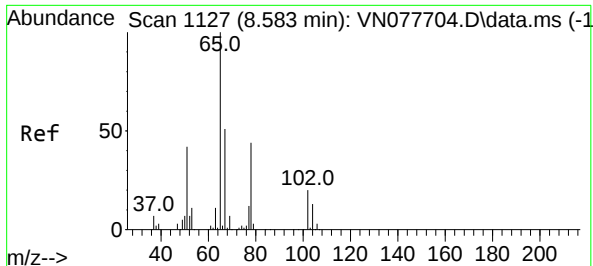
Tgt Ion: 96 Resp: 12527
 Ion Ratio Lower Upper
 96 100
 61 109.3 0.0 255.2
 98 63.2 0.0 128.8



#30
 Chloroform
 Concen: 0.778 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. -0.006 min
 Lab File: VN077800.D
 Acq: 22 May 2023 19:29

Tgt Ion: 83 Resp: 6959
 Ion Ratio Lower Upper
 83 100
 85 58.7 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077800.D

Acq: 22 May 2023 19:29

Instrument :

MSVOA_N

ClientSampleId :

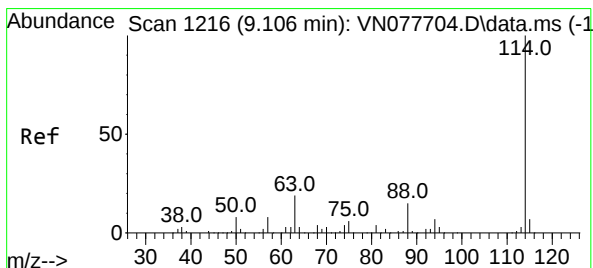
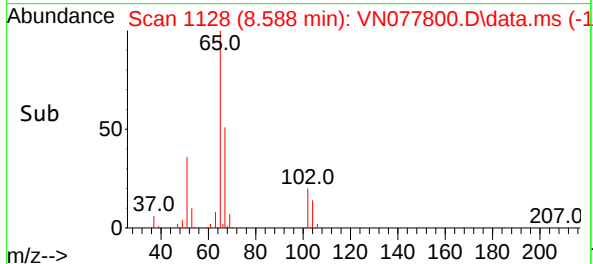
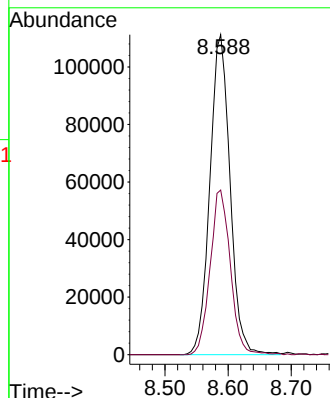
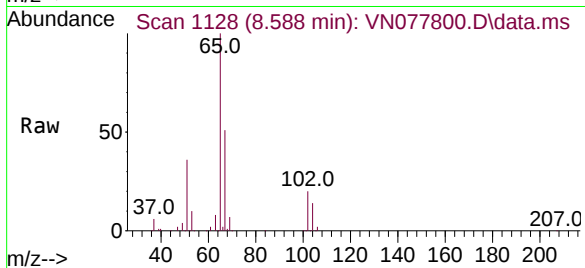
RE137-20230519

Tgt Ion: 65 Resp: 247036

Ion Ratio Lower Upper

65 100

67 51.5 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: VN077800.D

Acq: 22 May 2023 19:29

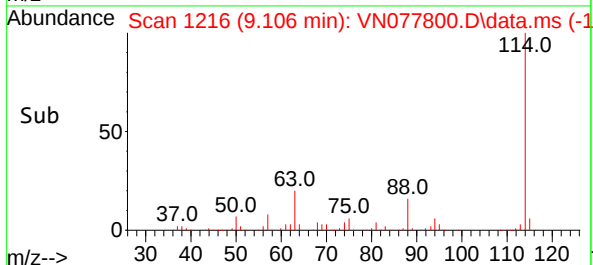
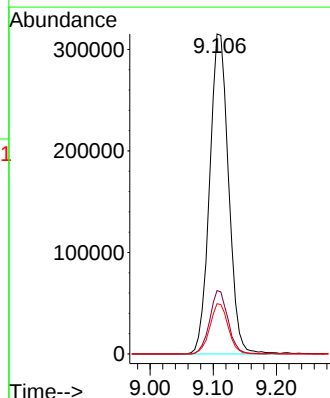
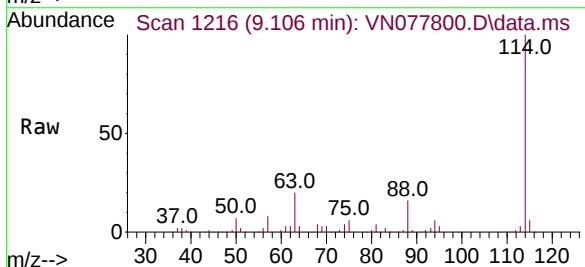
Tgt Ion: 114 Resp: 656095

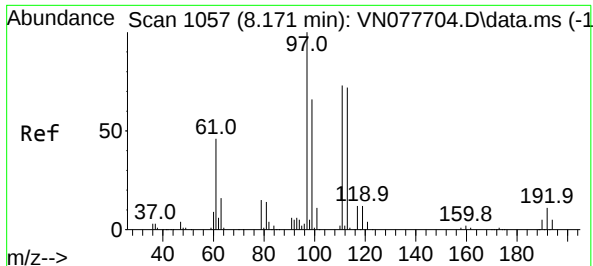
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.409 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077800.D

Acq: 22 May 2023 19:29

Instrument :

MSVOA_N

ClientSampleId :

RE137-20230519

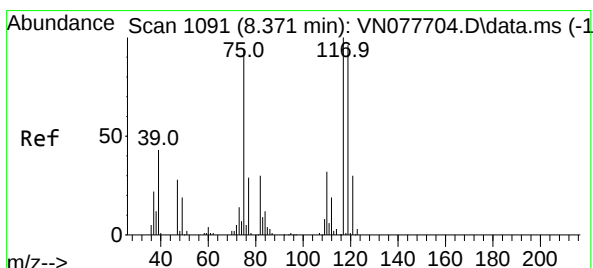
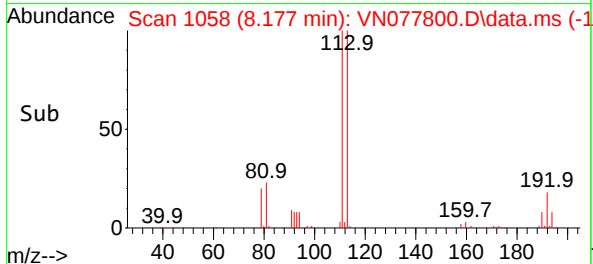
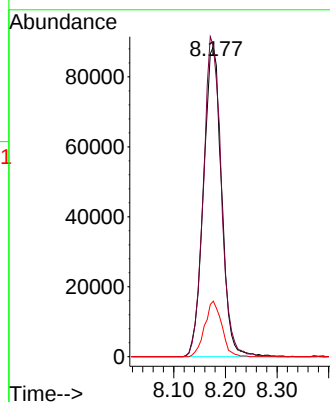
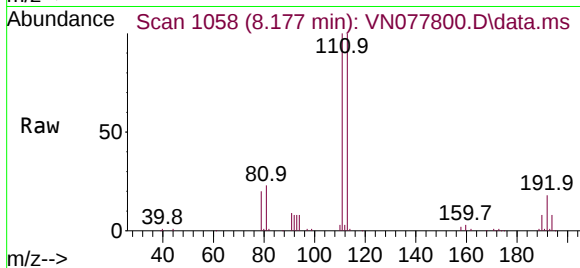
Tgt Ion:113 Resp: 215665

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 16.9 12.7 19.1



#38

Carbon Tetrachloride

Concen: 1.811 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.006 min

Lab File: VN077800.D

Acq: 22 May 2023 19:29

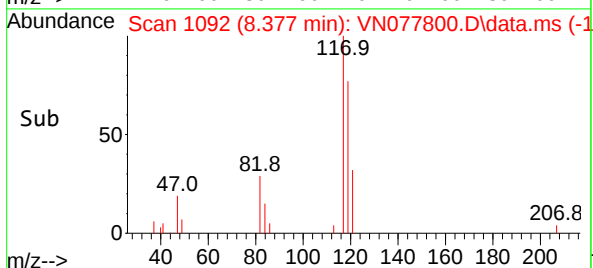
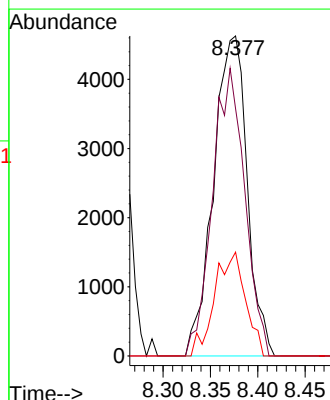
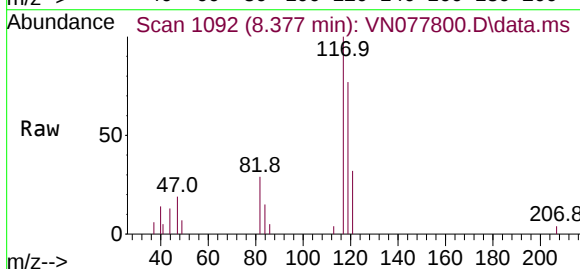
Tgt Ion:117 Resp: 11441

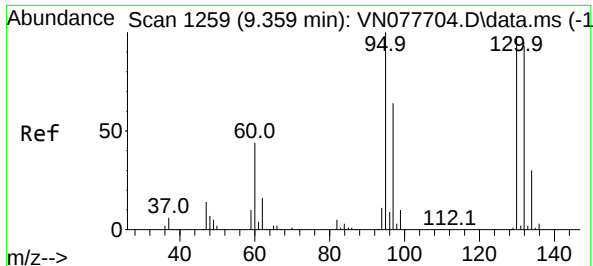
Ion Ratio Lower Upper

117 100

119 77.3 77.3 115.9

121 32.4 23.3 34.9

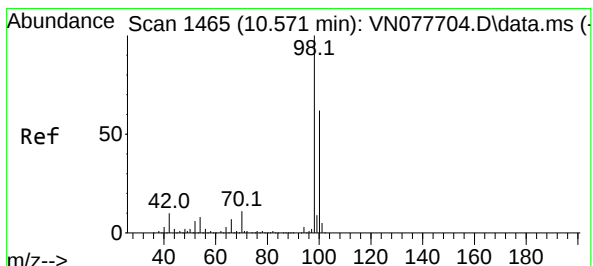
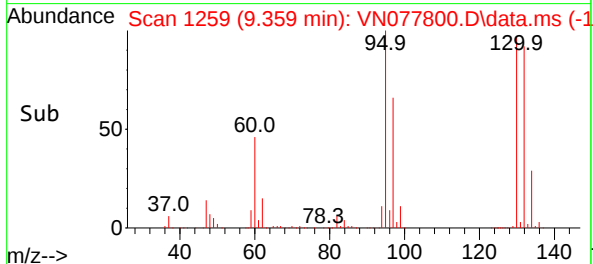
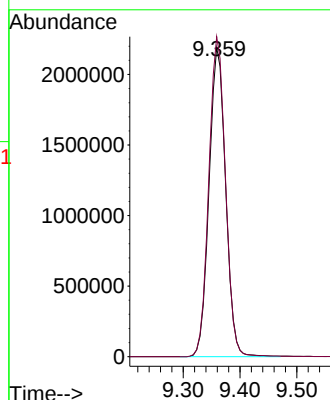
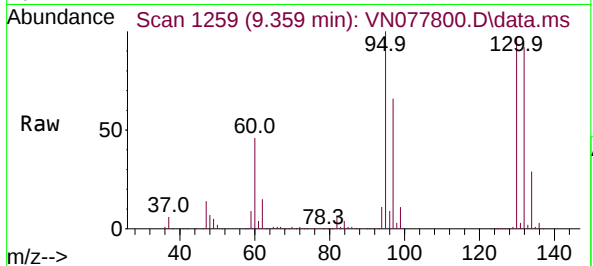




#44
Trichloroethene
Concen: 946.759 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

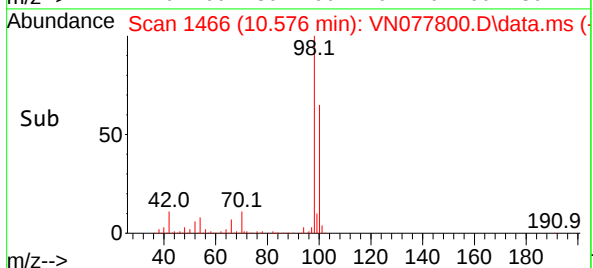
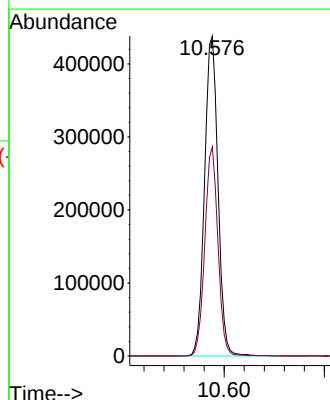
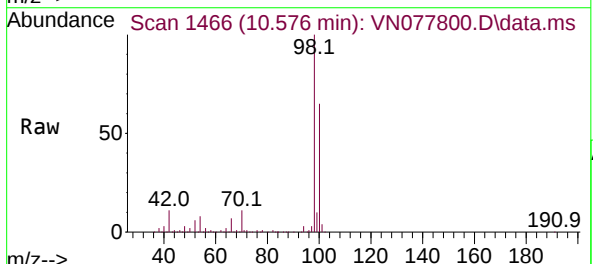
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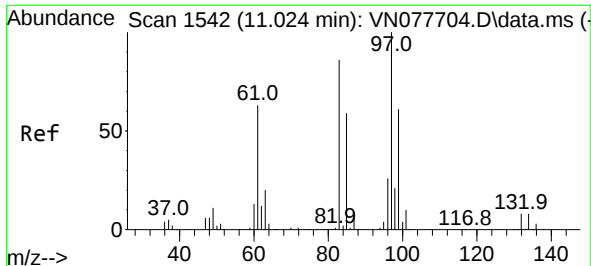
Tgt Ion:130 Resp: 4426878
Ion Ratio Lower Upper
130 100
95 103.5 0.0 204.6



#50
Toluene-d8
Concen: 49.523 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

Tgt Ion: 98 Resp: 815518
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

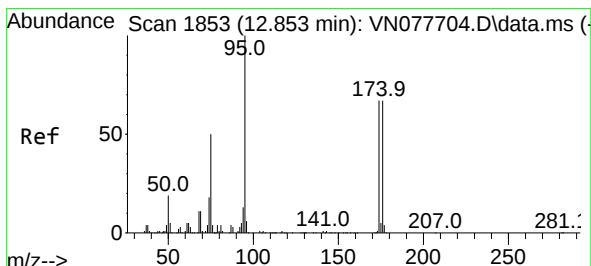
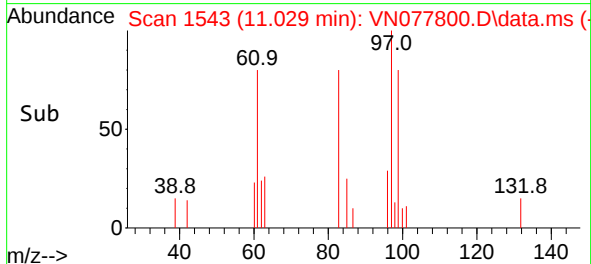
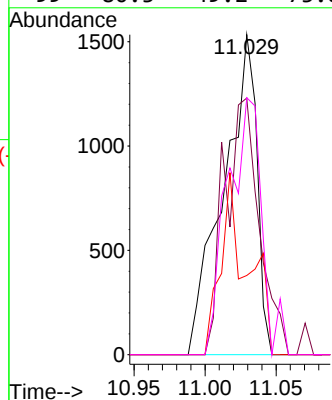
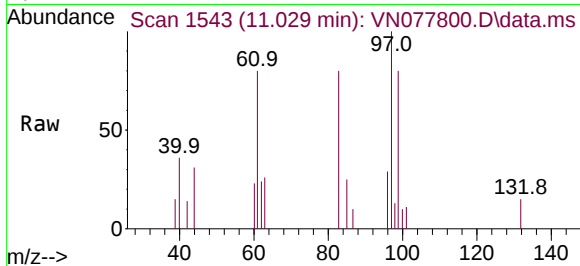




#55
1,1,2-Trichloroethane
Concen: 0.548 ug/l
RT: 11.029 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

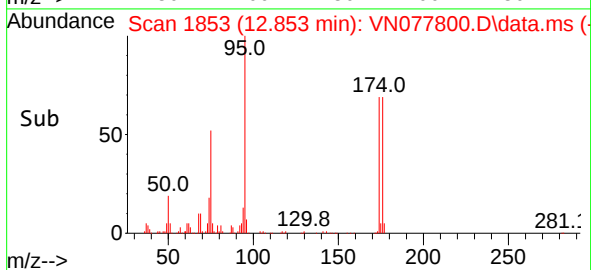
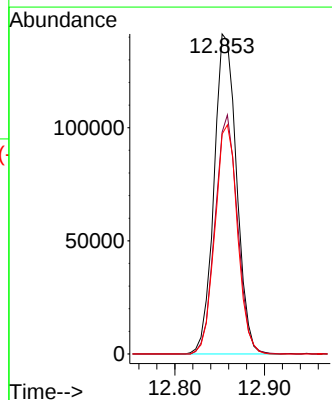
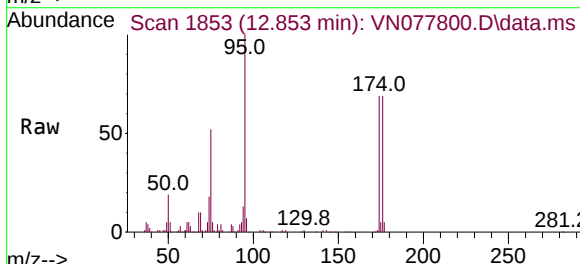
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519

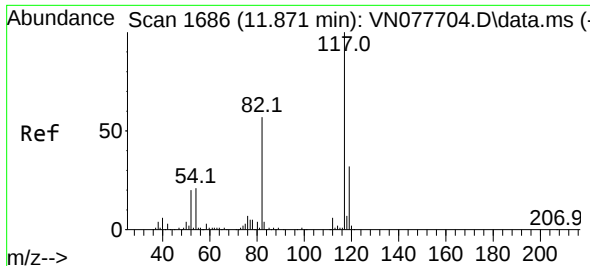
Tgt Ion: 97	Resp: 2503
Ion Ratio	Lower Upper
97 100	
83 80.2	65.1 97.7
85 24.8	43.4 65.2#
99 80.3	49.2 73.8#



#62
4-Bromofluorobenzene
Concen: 42.421 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

Tgt Ion: 95	Resp: 246723
Ion Ratio	Lower Upper
95 100	
174 74.4	0.0 143.8
176 71.4	0.0 135.8

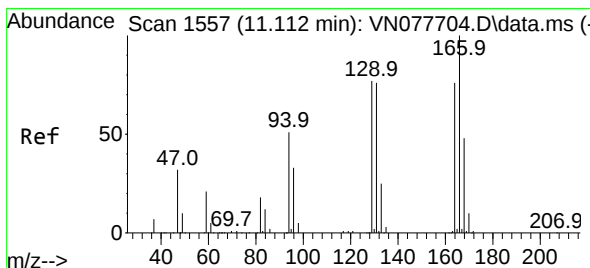
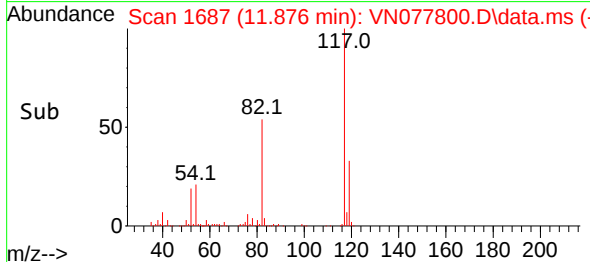
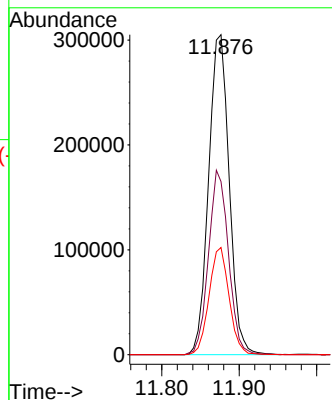
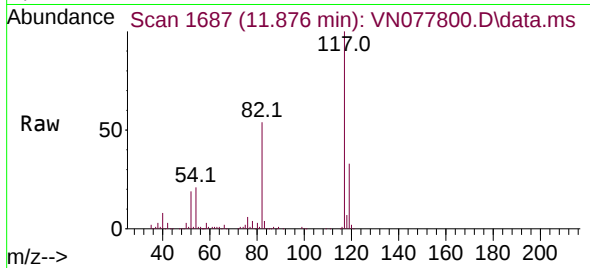




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

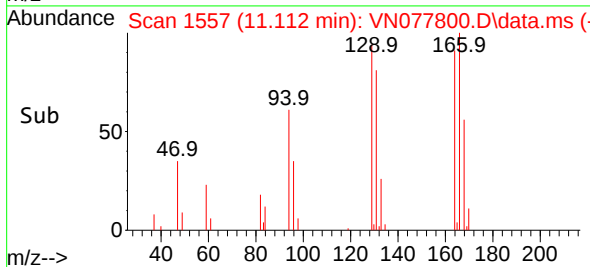
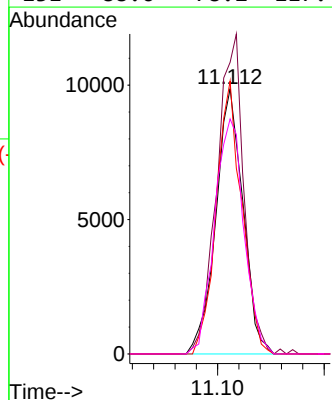
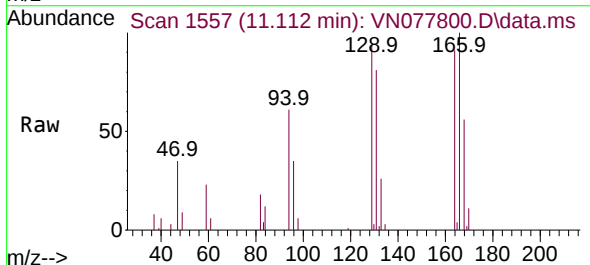
Instrument :
MSVOA_N
ClientSampleId :
RE137-20230519

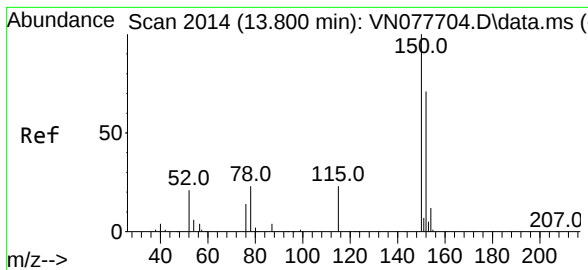
Tgt Ion:117 Resp: 562654
Ion Ratio Lower Upper
117 100
82 54.1 44.0 66.0
119 33.5 25.6 38.4



#64
Tetrachloroethene
Concen: 4.430 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077800.D
Acq: 22 May 2023 19:29

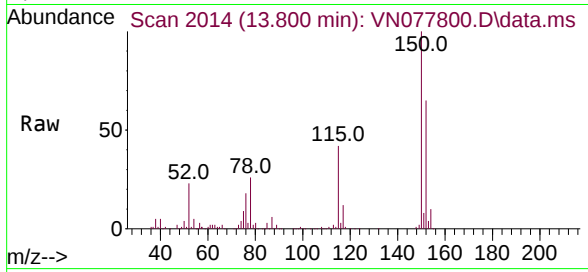
Tgt Ion:164 Resp: 17431
Ion Ratio Lower Upper
164 100
166 110.0 101.4 152.0
129 103.0 82.4 123.6
131 88.6 78.2 117.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077800.D
 Acq: 22 May 2023 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 RE137-20230519



Tgt Ion:152 Resp: 181557

Ion	Ratio	Lower	Upper
152	100		
115	62.0	32.3	96.8
150	158.8	0.0	355.8

