

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077789.D
 Acq On : 22 May 2023 15:05
 Operator : JC\MD
 Sample : 02880-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20230517

Quant Time: May 23 04:19:55 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)

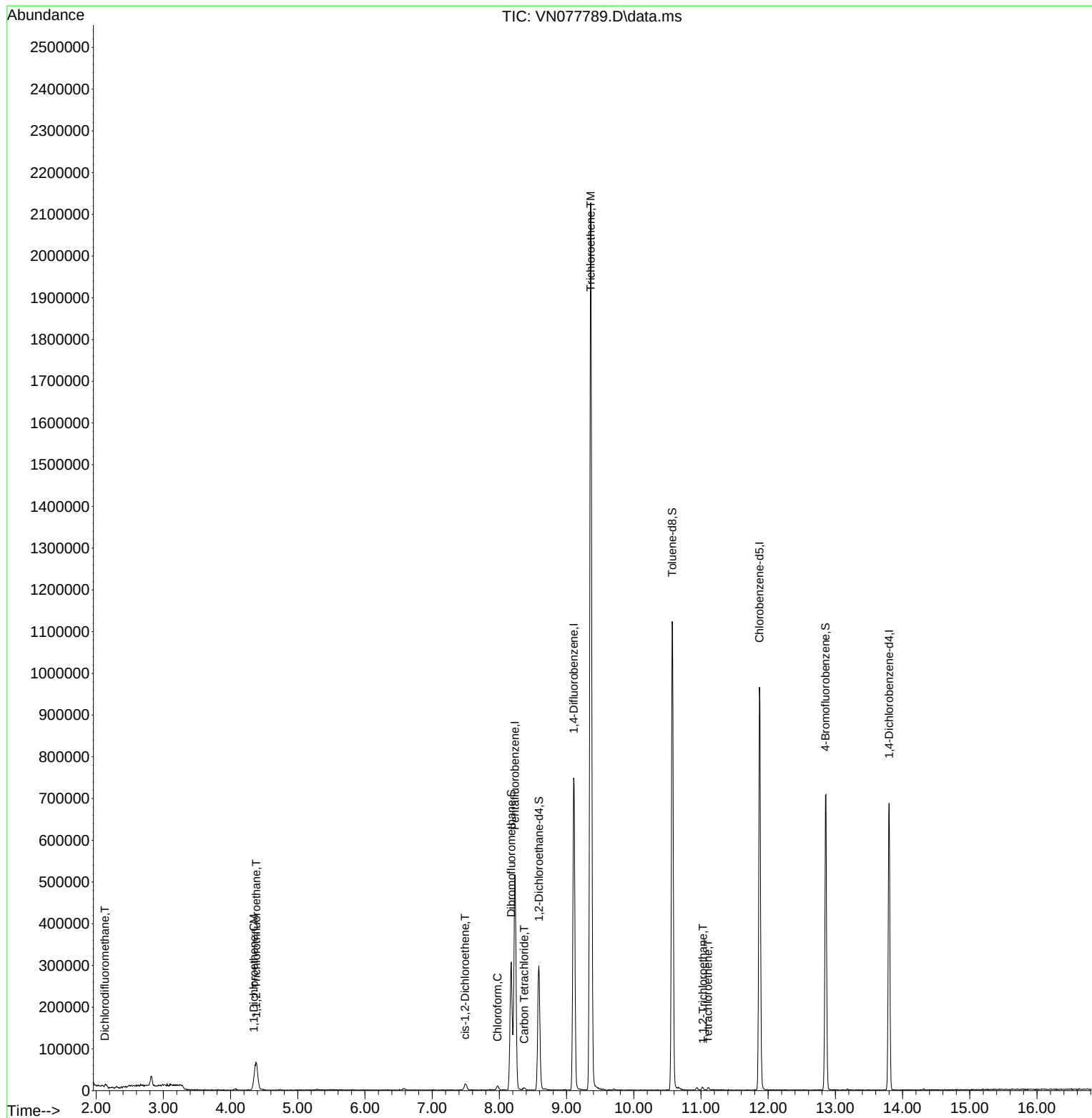
Internal Standards						
1) Pentafluorobenzene	8.230	168	369319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	682776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	584906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	188447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252529	45.699	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.400%
35) Dibromofluoromethane	8.177	113	216998	48.738	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	10.571	98	831559	48.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.853	95	261021	43.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	4923	1.171	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	43519	10.648	ug/l	97
12) 1,1-Dichloroethene	4.348	96	9888	2.546	ug/l #	80
27) cis-1,2-Dichloroethene	7.488	96	10431	1.994	ug/l	85
30) Chloroform	7.971	83	9147	1.015	ug/l	85
38) Carbon Tetrachloride	8.371	117	3702	0.563	ug/l #	84
44) Trichloroethene	9.359	130	764662	157.145	ug/l	97
55) 1,1,2-Trichloroethane	11.029	97	2401	0.505	ug/l #	79
64) Tetrachloroethene	11.106	164	1300	0.318	ug/l #	69

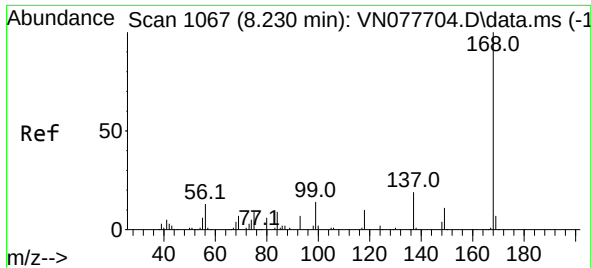
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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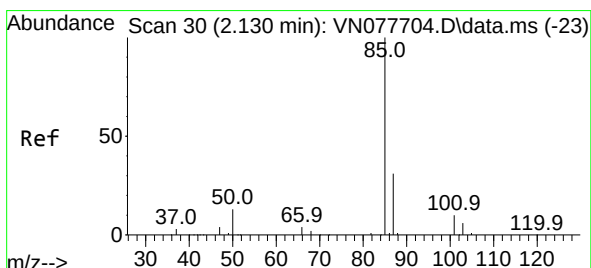
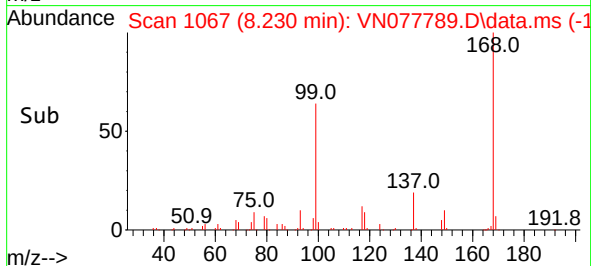
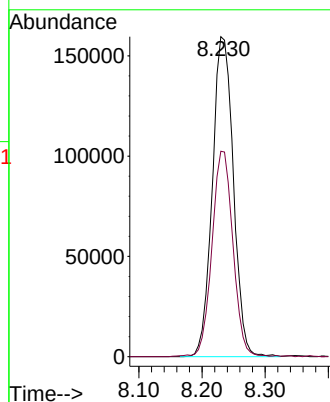
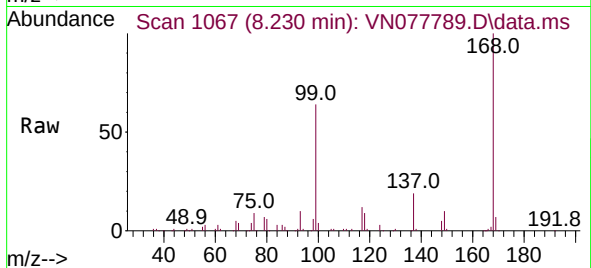




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

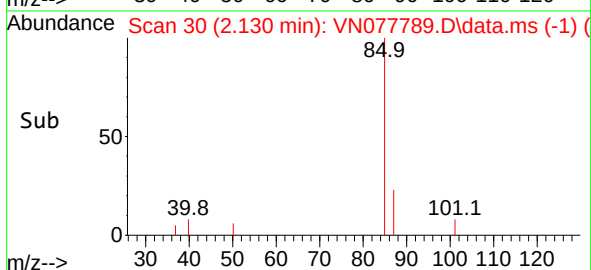
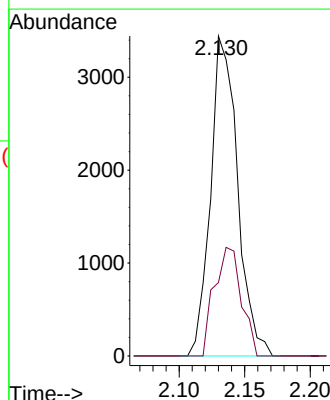
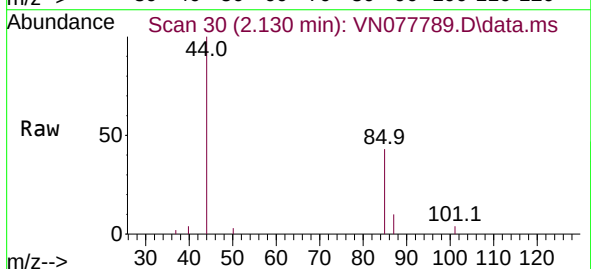
Instrument :
MSVOA_N
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RE132D5-20230517

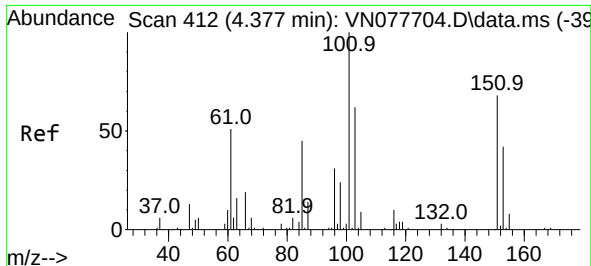
Tgt Ion:168 Resp: 369319
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 1.171 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

Tgt Ion: 85 Resp: 4923
Ion Ratio Lower Upper
85 100
87 22.9 15.8 47.4

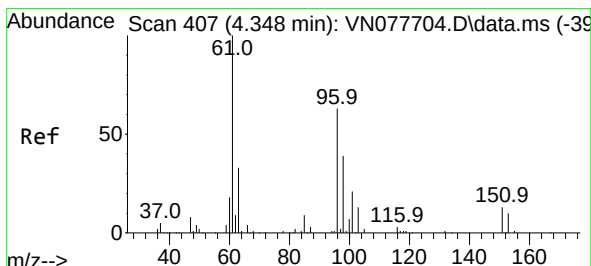
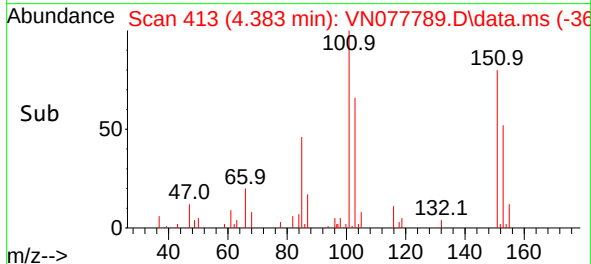
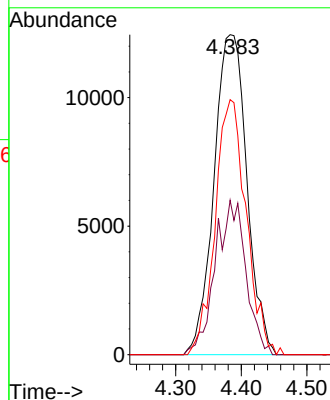
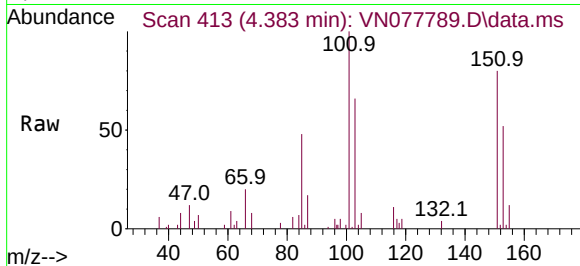




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.648 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

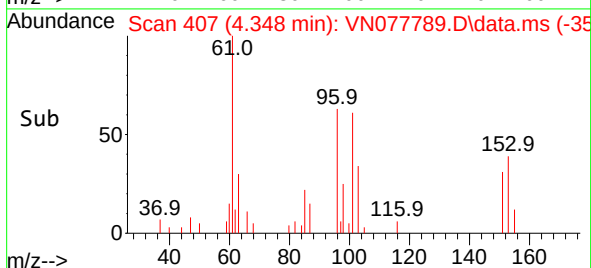
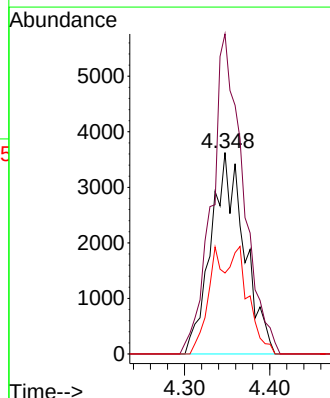
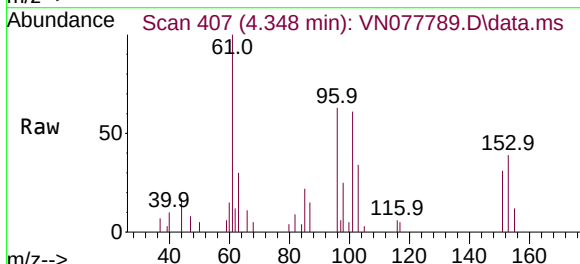
Instrument :
MSVOA_N
ClientSampleId :
RE132D5-20230517

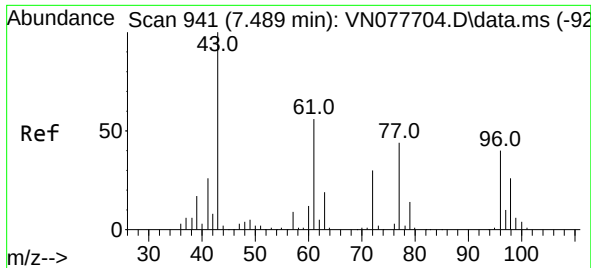
Tgt Ion:101 Resp: 43519
Ion Ratio Lower Upper
101 100
85 44.9 36.6 55.0
151 74.9 57.6 86.4



#12
1,1-Dichloroethene
Concen: 2.546 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

Tgt Ion: 96 Resp: 9888
Ion Ratio Lower Upper
96 100
61 158.8 112.7 169.1
98 40.2 51.2 76.8#

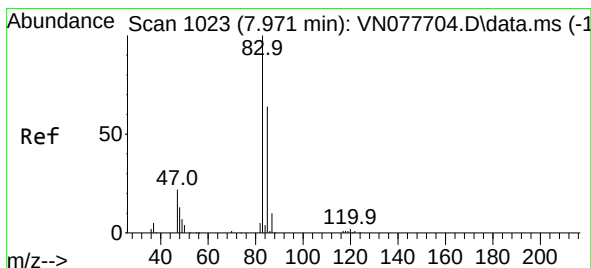
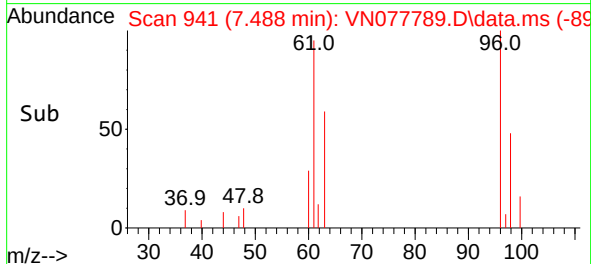
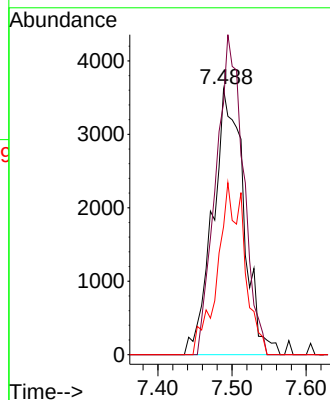
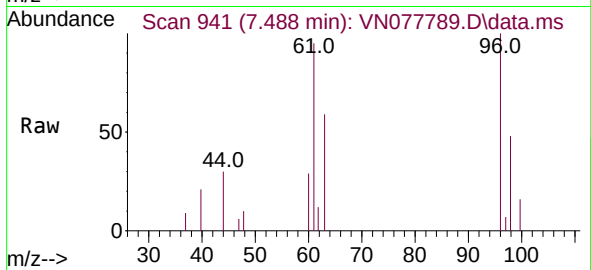




#27
 cis-1,2-Dichloroethene
 Concen: 1.994 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN077789.D
 Acq: 22 May 2023 15:05

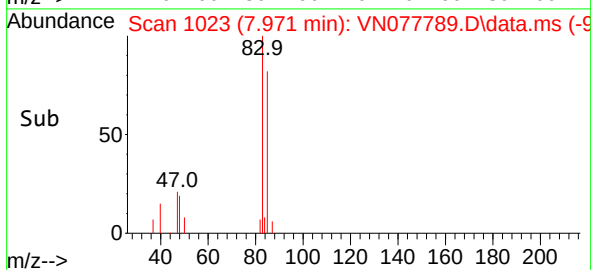
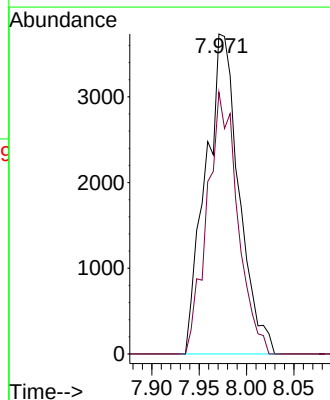
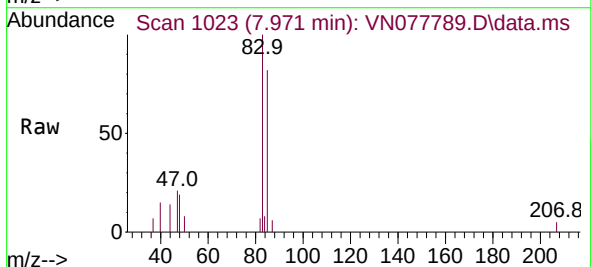
Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20230517

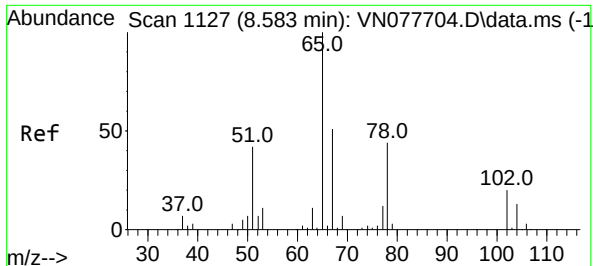
Tgt Ion: 96 Resp: 10431
 Ion Ratio Lower Upper
 96 100
 61 107.4 0.0 255.2
 98 56.6 0.0 128.8



#30
 Chloroform
 Concen: 1.015 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. -0.000 min
 Lab File: VN077789.D
 Acq: 22 May 2023 15:05

Tgt Ion: 83 Resp: 9147
 Ion Ratio Lower Upper
 83 100
 85 81.8 55.4 83.0





#33

1,2-Dichloroethane-d4

Concen: 45.699 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077789.D

Acq: 22 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

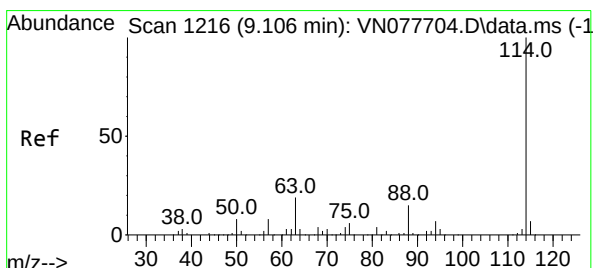
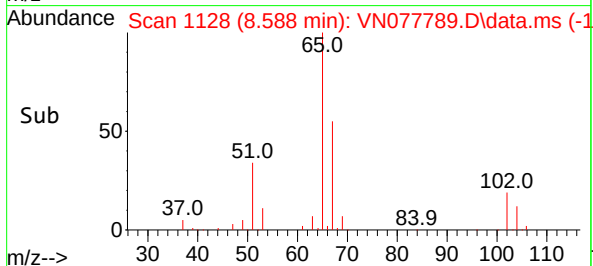
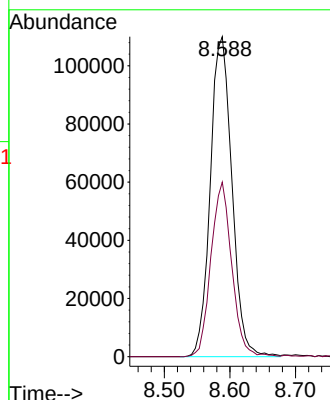
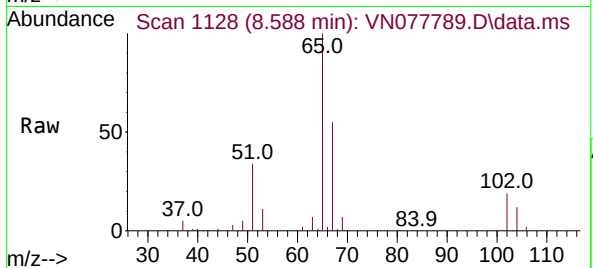
RE132D5-20230517

Tgt Ion: 65 Resp: 252529

Ion Ratio Lower Upper

65 100

67 52.4 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: VN077789.D

Acq: 22 May 2023 15:05

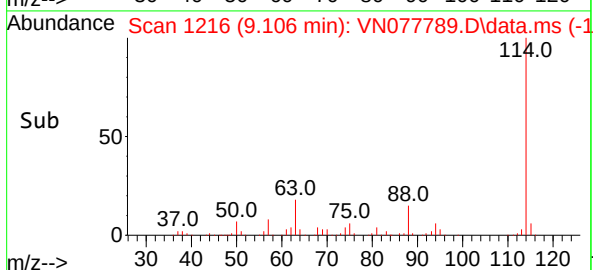
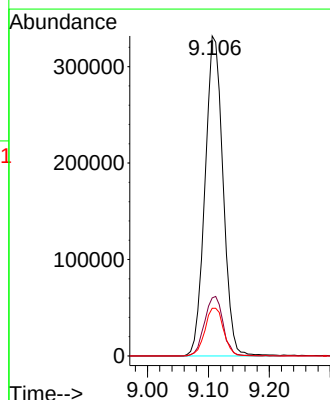
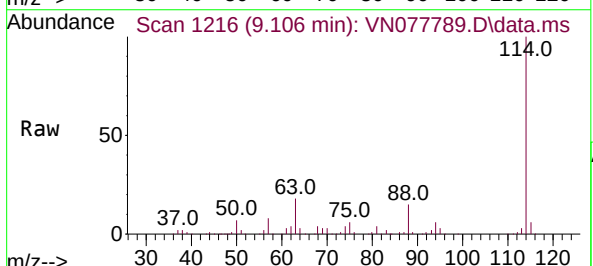
Tgt Ion: 114 Resp: 682776

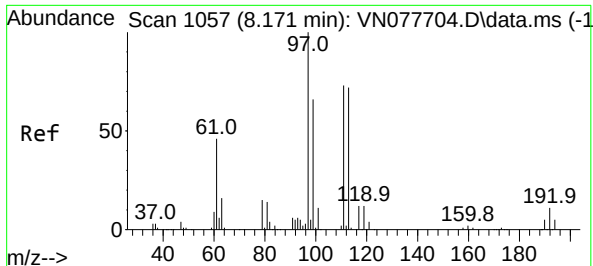
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.738 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077789.D

Acq: 22 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

RE132D5-20230517

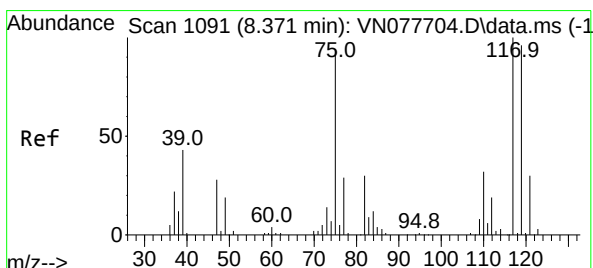
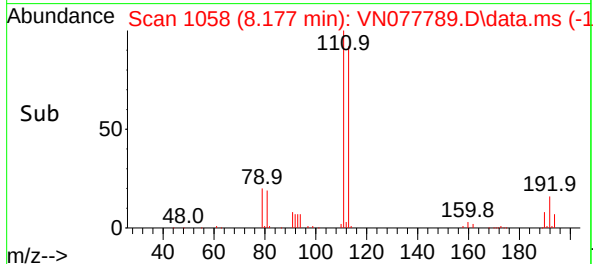
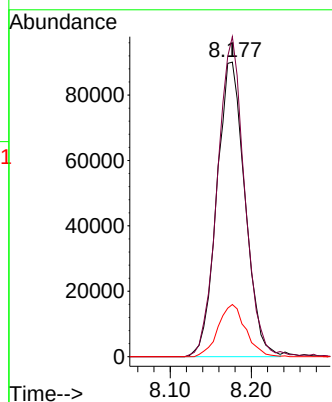
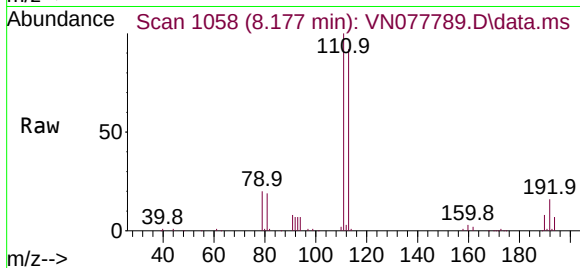
Tgt Ion:113 Resp: 216998

Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 17.3 12.7 19.1



#38

Carbon Tetrachloride

Concen: 0.563 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN077789.D

Acq: 22 May 2023 15:05

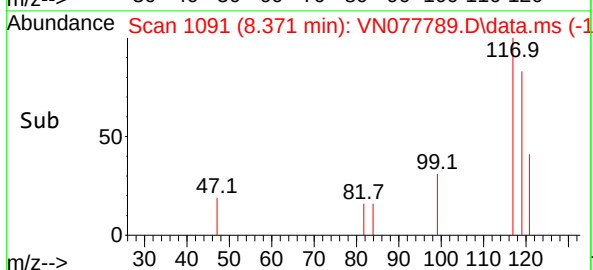
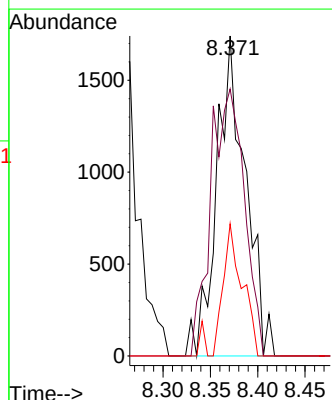
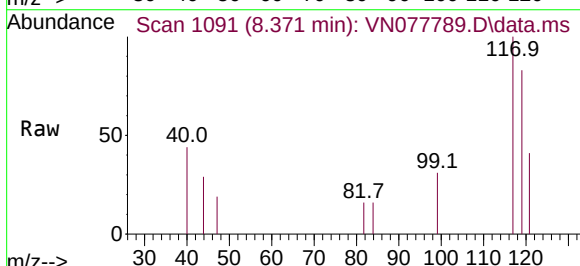
Tgt Ion:117 Resp: 3702

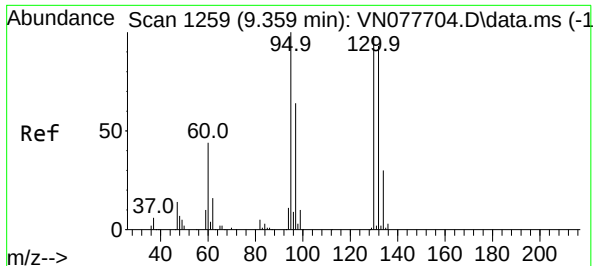
Ion Ratio Lower Upper

117 100

119 83.5 77.3 115.9

121 41.3 23.3 34.9#

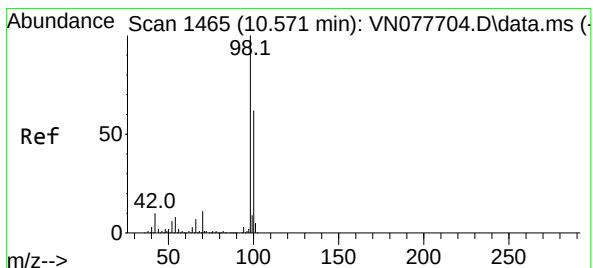
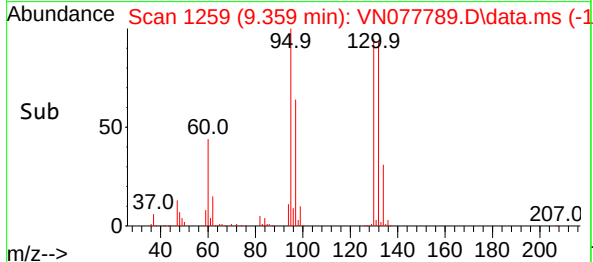
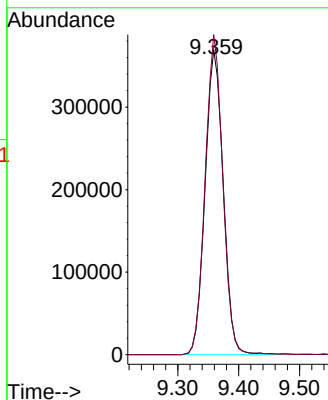
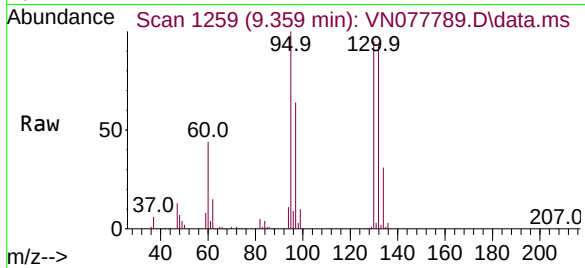




#44
Trichloroethene
Concen: 157.145 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

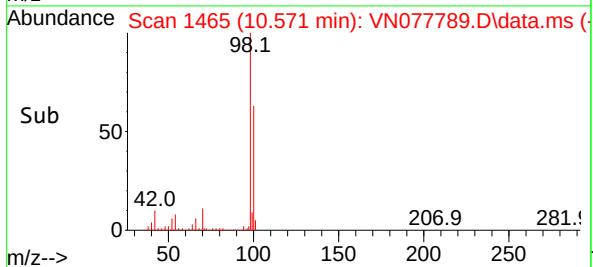
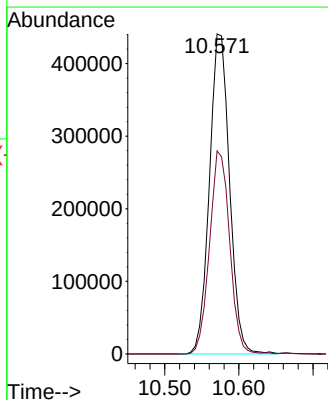
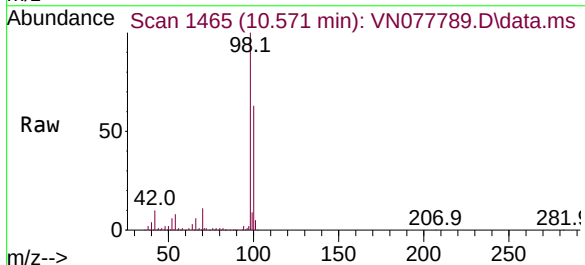
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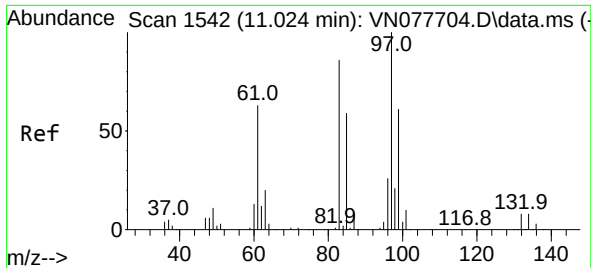
Tgt Ion:130 Resp: 764662
Ion Ratio Lower Upper
130 100
95 105.0 0.0 204.6



#50
Toluene-d8
Concen: 48.523 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

Tgt Ion: 98 Resp: 831559
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

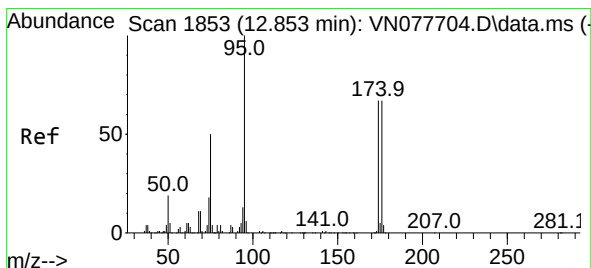
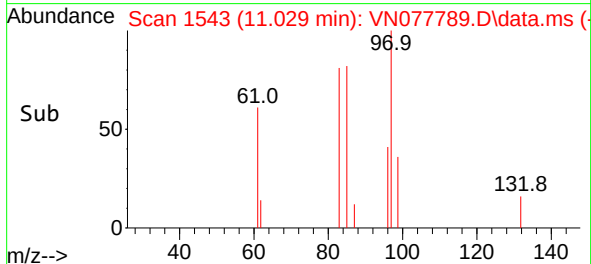
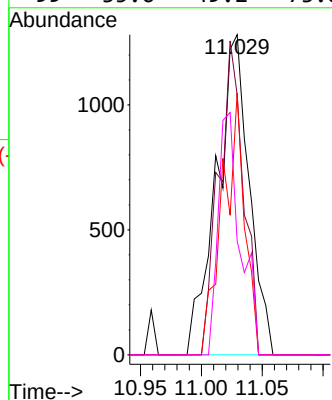
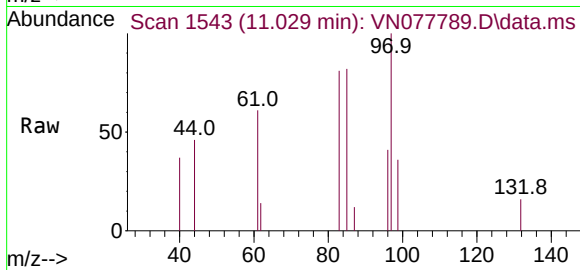




#55
1,1,2-Trichloroethane
Concen: 0.505 ug/l
RT: 11.029 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

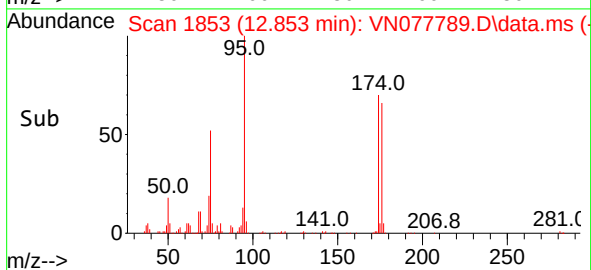
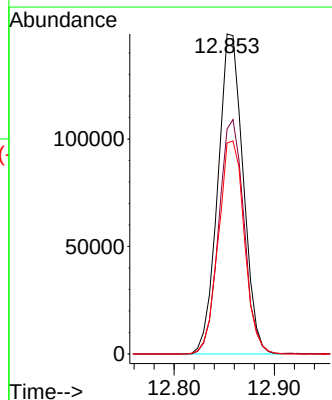
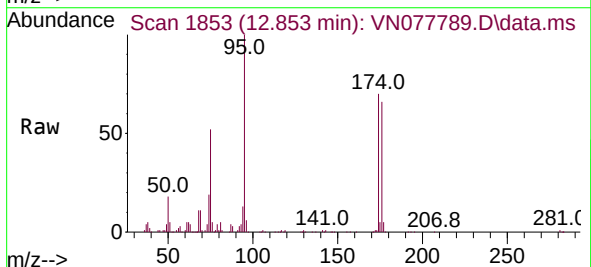
Instrument :
MSVOA_N
ClientSampleId :
RE132D5-20230517

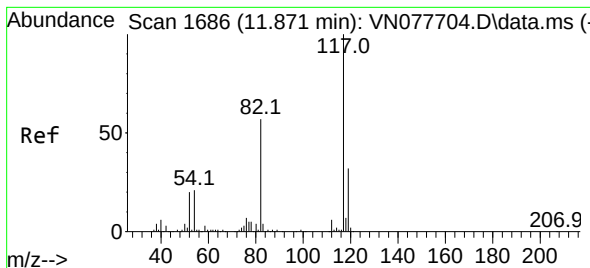
Tgt Ion: 97	Resp: 2401
Ion Ratio	Lower Upper
97 100	
83 81.2	65.1 97.7
85 81.8	43.4 65.2#
99 35.6	49.2 73.8#



#62
4-Bromofluorobenzene
Concen: 43.126 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077789.D
Acq: 22 May 2023 15:05

Tgt Ion: 95	Resp: 261021
Ion Ratio	Lower Upper
95 100	
174 72.8	0.0 143.8
176 68.2	0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077789.D

Acq: 22 May 2023 15:05

Instrument :

MSVOA_N

ClientSampleId :

RE132D5-20230517

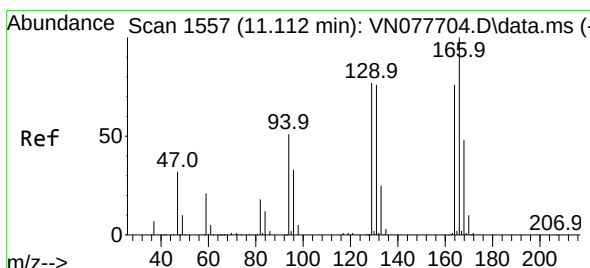
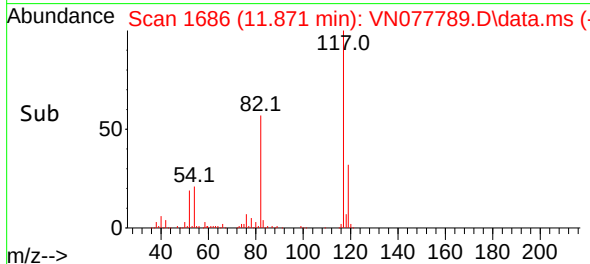
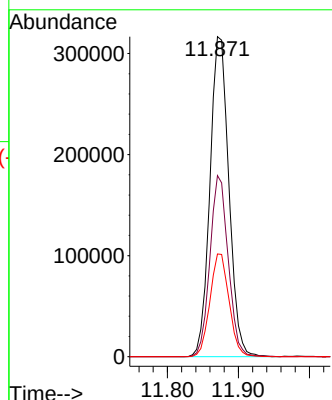
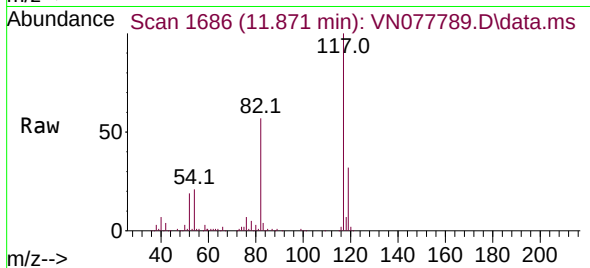
Tgt Ion:117 Resp: 584906

Ion Ratio Lower Upper

117 100

82 56.6 44.0 66.0

119 32.1 25.6 38.4



#64

Tetrachloroethene

Concen: 0.318 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.006 min

Lab File: VN077789.D

Acq: 22 May 2023 15:05

Tgt Ion:164 Resp: 1300

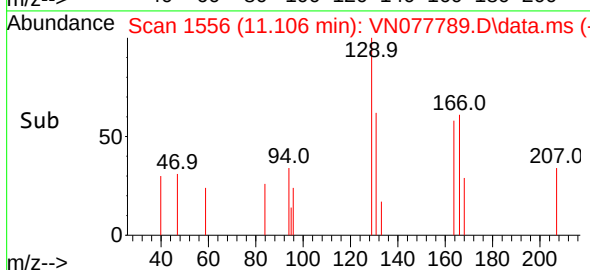
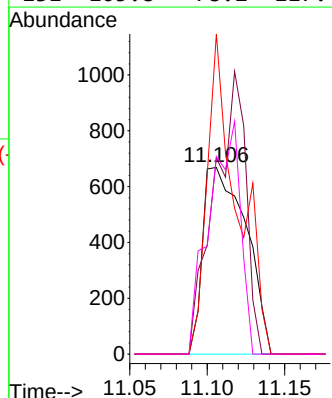
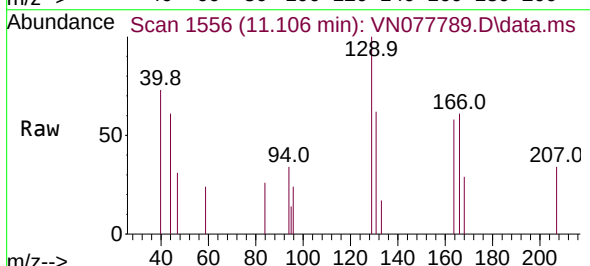
Ion Ratio Lower Upper

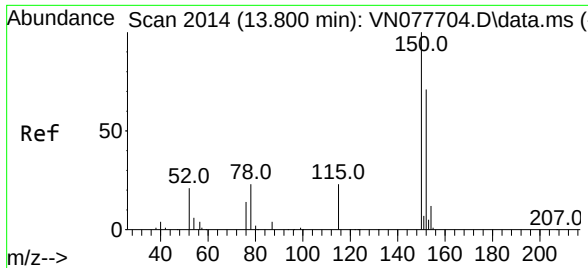
164 100

166 105.1 101.4 152.0

129 171.4 82.4 123.6#

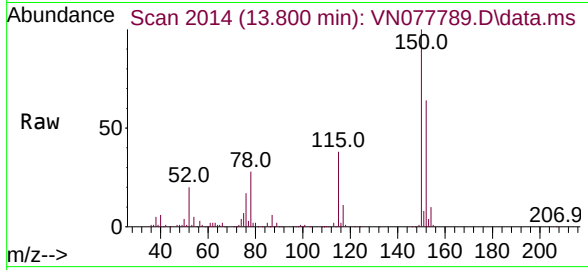
131 105.8 78.2 117.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077789.D
 Acq: 22 May 2023 15:05

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20230517



Tgt Ion:152 Resp: 188447
 Ion Ratio Lower Upper
 152 100
 115 62.6 32.3 96.8
 150 159.2 0.0 355.8

