

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077760.D
 Acq On : 19 May 2023 13:38
 Operator : JC\MD
 Sample : 02834-13DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20230517DL

Quant Time: May 29 09:47:32 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

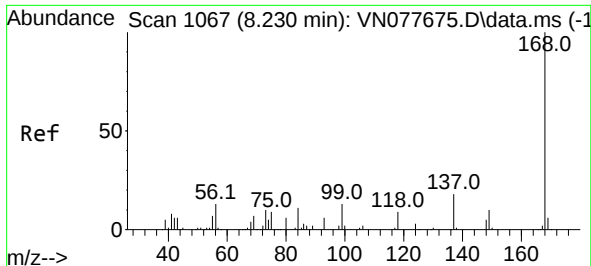
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	367294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	658477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	583043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	245351	44.644	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.280%
35) Dibromofluoromethane	8.177	113	210849	49.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.200%
50) Toluene-d8	10.577	98	808617	48.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.853	95	269744	46.212	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1210	Below Cal	#	73
9) 1,1,2-Trichlorotrifluo...	4.389	101	7727	1.901	ug/l #	81
12) 1,1-Dichloroethene	4.348	96	2459	0.637	ug/l #	72
13) Acrolein	4.200	56	157	Below Cal	#	1
16) Acetone	4.436	43	710	0.411	ug/l #	40
20) Methylene Chloride	5.283	84	1135	Below Cal	#	64
27) cis-1,2-Dichloroethene	7.494	96	4439	0.853	ug/l	95
31) Cyclohexane	8.236	56	8344	1.117	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	33683	5.363	ug/l #	47
38) Carbon Tetrachloride	8.236	117	41531	6.549	ug/l #	15
39) Methylcyclohexane	9.353	83	3400	0.442	ug/l #	1
44) Trichloroethene	9.359	130	271198	57.790	ug/l	98
49) 1,4-Dioxane	9.712	88	519	6.339	ug/l #	67
51) 4-Methyl-2-Pentanone	10.577	43	3316	0.610	ug/l #	1
60) Dibromochloromethane	11.112	129	7148	1.511	ug/l #	11
64) Tetrachloroethene	11.106	164	7607	1.866	ug/l #	87
71) Bromoform	12.853	173	1312	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	141198	26.901	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	141198	85.991	ug/l #	15

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

Quant Time: May 29 09:47:32 2023
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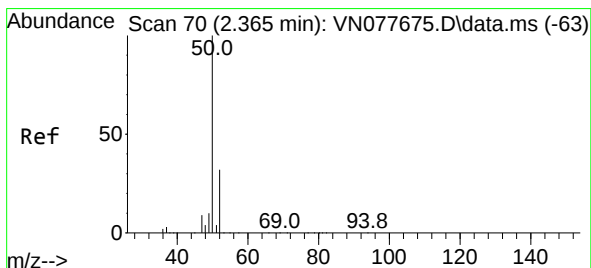
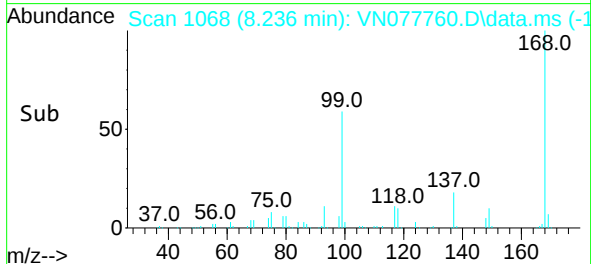
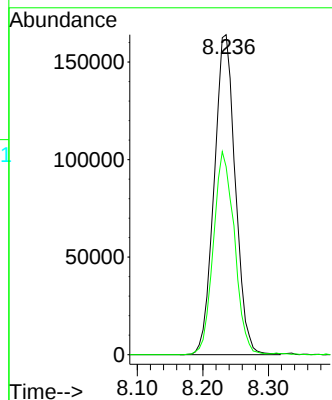
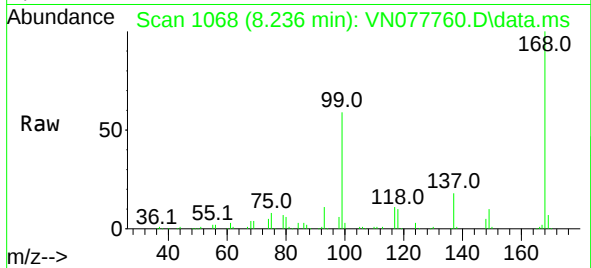




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

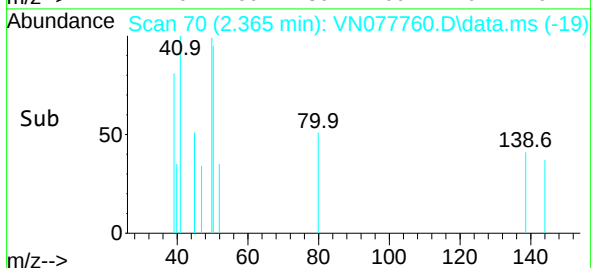
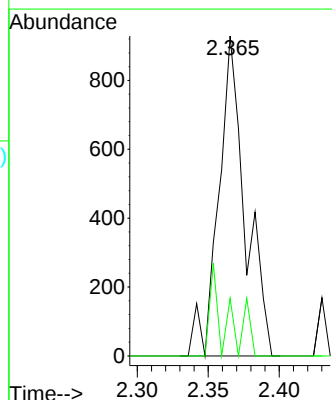
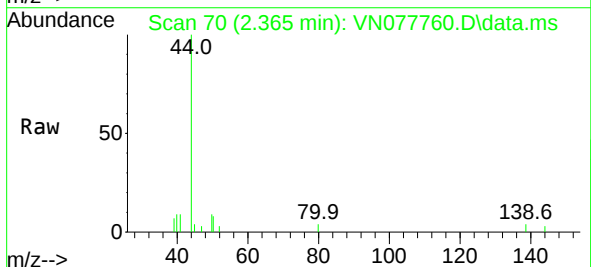
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

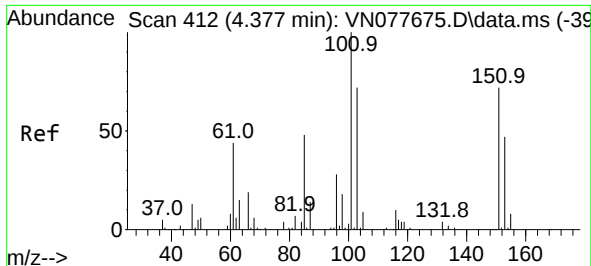
Tgt Ion:168 Resp: 367294
Ion Ratio Lower Upper
168 100
99 58.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Tgt Ion: 50 Resp: 1210
Ion Ratio Lower Upper
50 100
52 18.0 26.5 39.7#

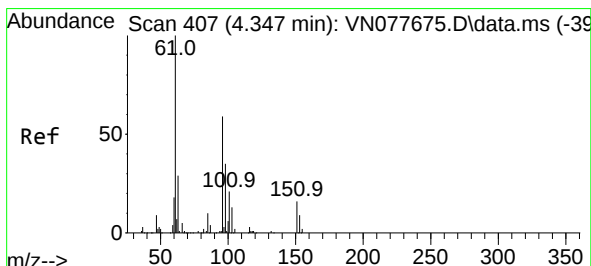
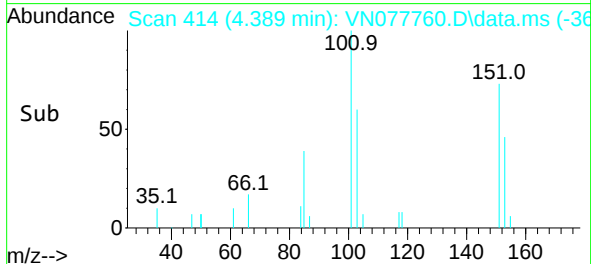
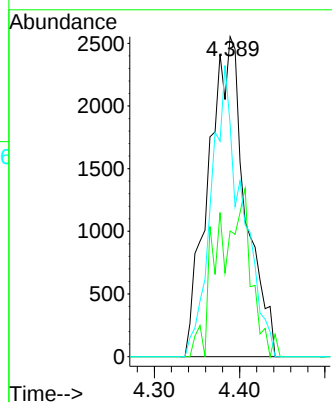
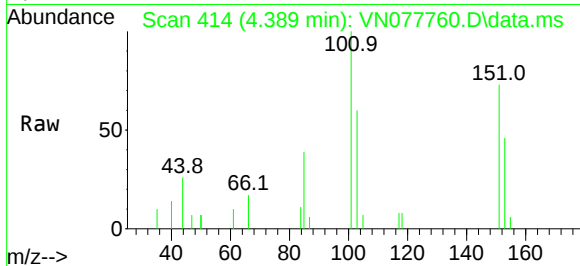




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.901 ug/l
 RT: 4.389 min Scan# 412
 Delta R.T. 0.012 min
 Lab File: VN077760.D
 Acq: 19 May 2023 13:38

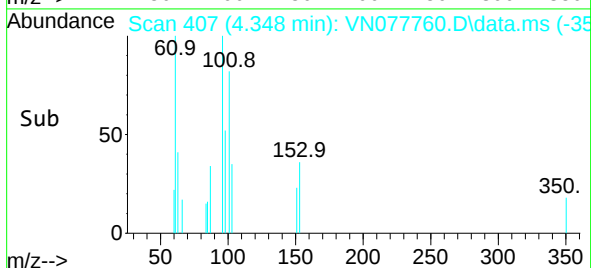
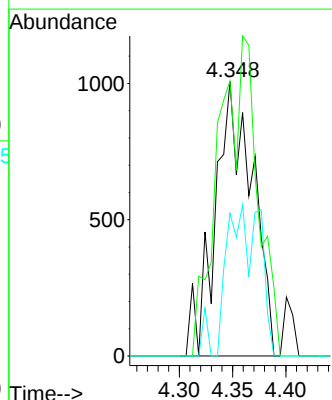
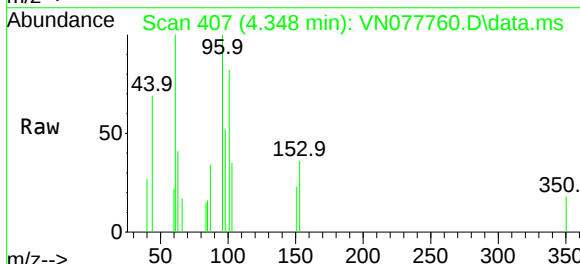
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20230517DL

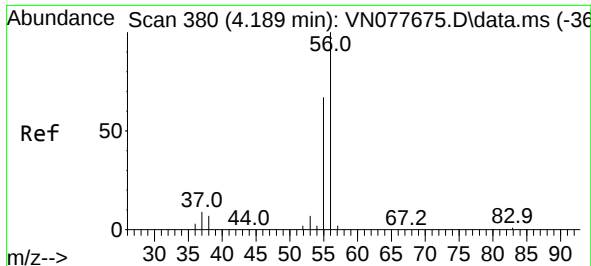
Tgt Ion:101 Resp: 7727
 Ion Ratio Lower Upper
 101 100
 85 17.9 36.6 55.0#
 151 75.4 57.6 86.4



#12
 1,1-Dichloroethene
 Concen: 0.637 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.001 min
 Lab File: VN077760.D
 Acq: 19 May 2023 13:38

Tgt Ion: 96 Resp: 2459
 Ion Ratio Lower Upper
 96 100
 61 100.3 112.7 169.1#
 98 52.0 51.2 76.8





#13

Acrolein

Concen: Below Cal

RT: 4.200 min Scan# 31

Delta R.T. 0.011 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Instrument :

MSVOA_N

ClientSampleId :

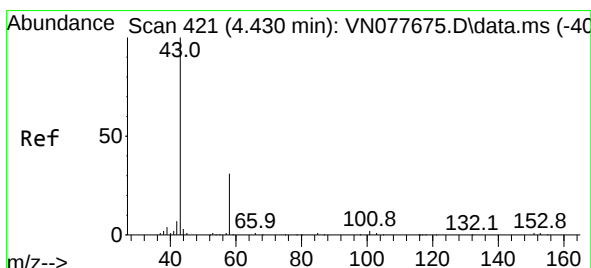
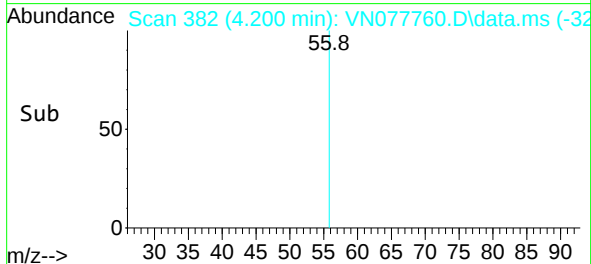
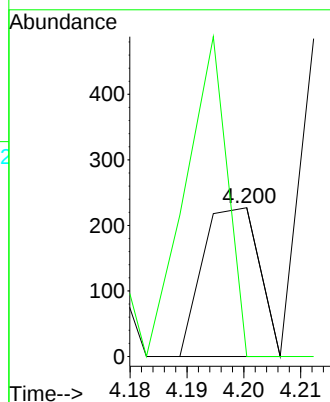
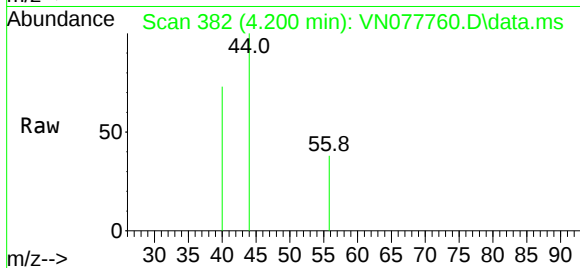
RE125D2-20230517DL

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 202.5 54.5 81.7#



#16

Acetone

Concen: 0.411 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN077760.D

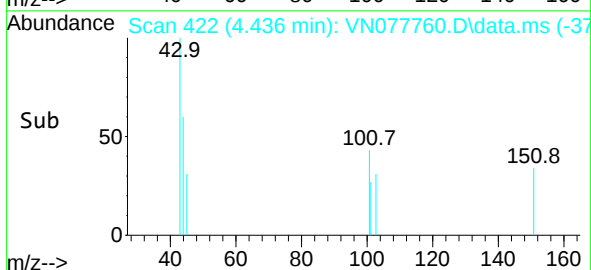
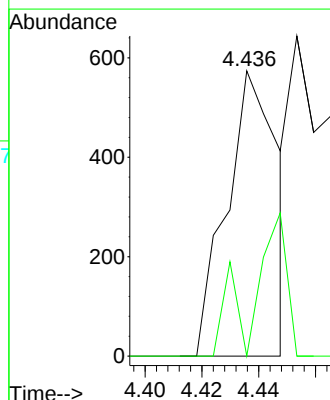
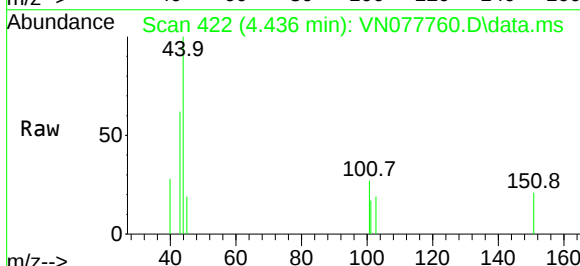
Acq: 19 May 2023 13:38

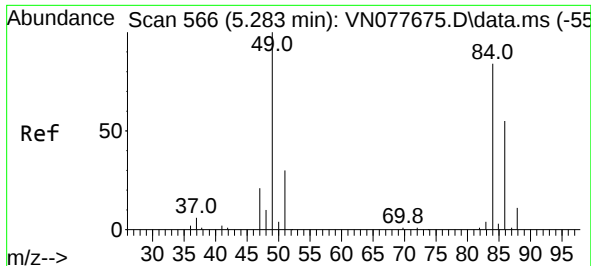
Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

43 100

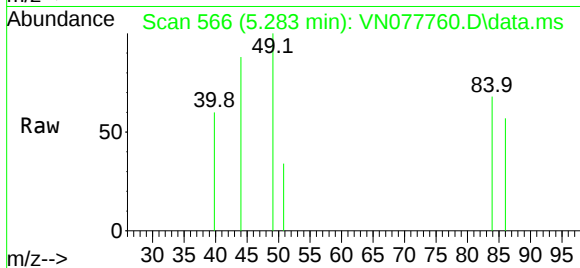
58 0.0 28.0 42.0#



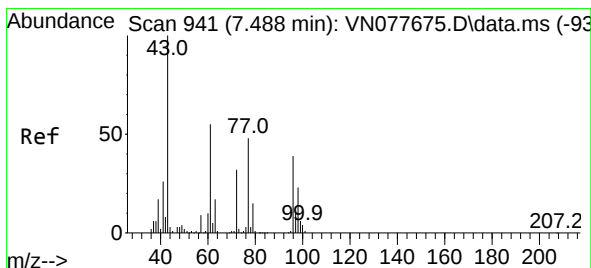
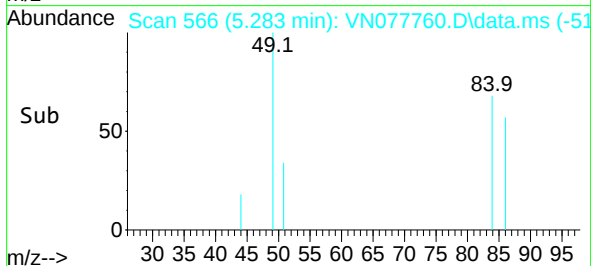
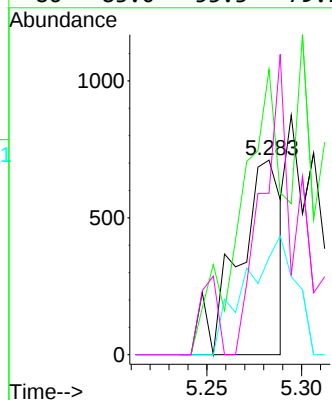


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

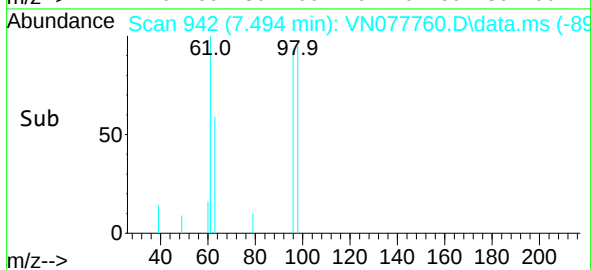
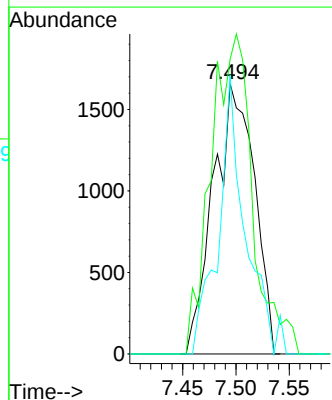
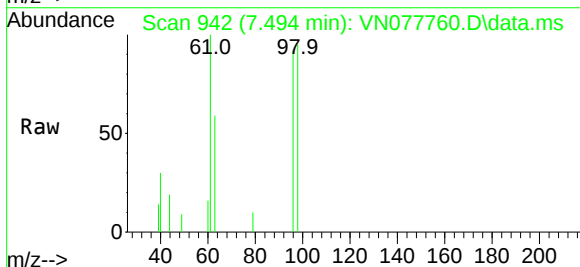


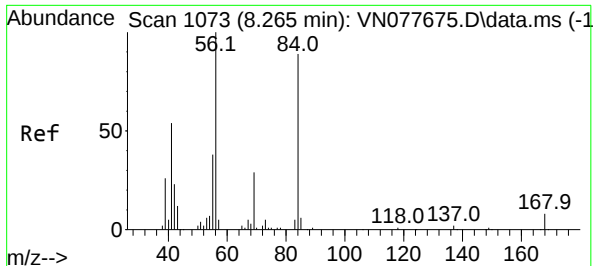
Tgt Ion:	84	Resp:	1135
Ion	Ratio	Lower	Upper
84	100		
49	146.6	79.7	119.5#
51	49.8	25.2	37.8#
86	83.0	53.3	79.9#



#27
cis-1,2-Dichloroethene
Concen: 0.853 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

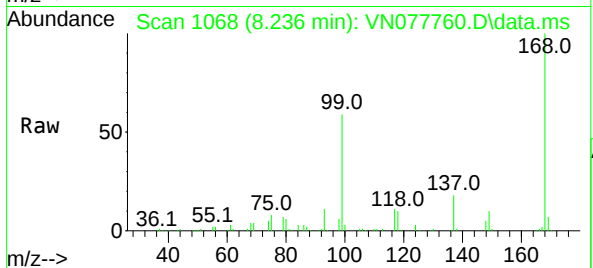
Tgt Ion:	96	Resp:	4439
Ion	Ratio	Lower	Upper
96	100		
61	120.5	0.0	255.2
98	67.7	0.0	128.8



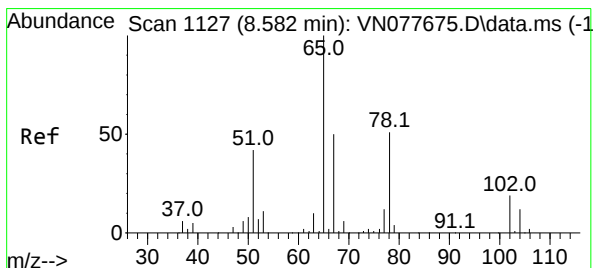
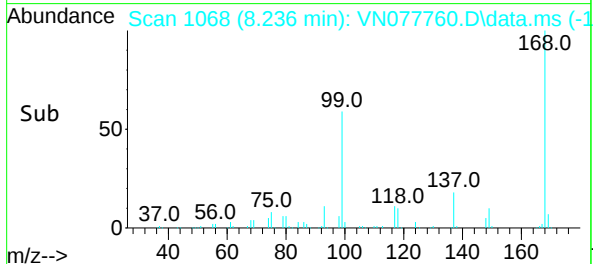
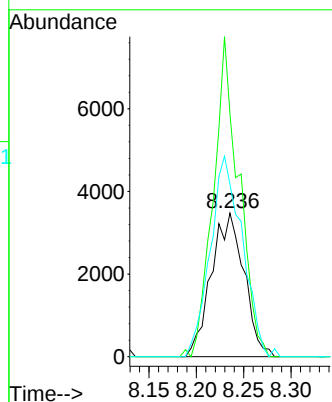


#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

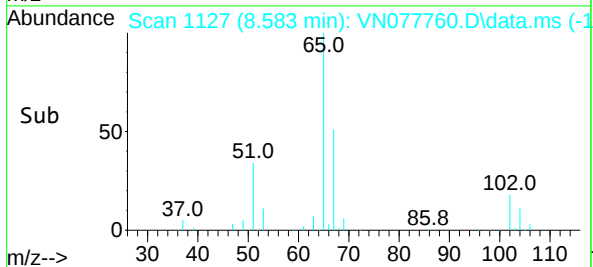
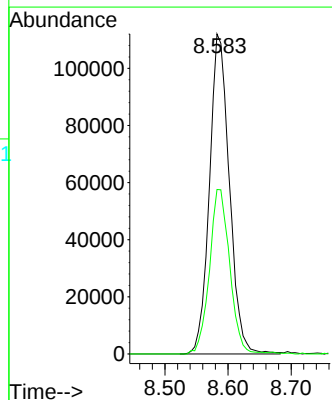
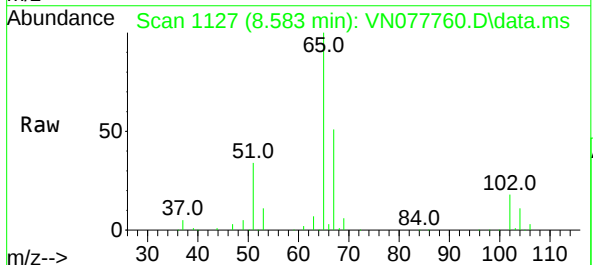


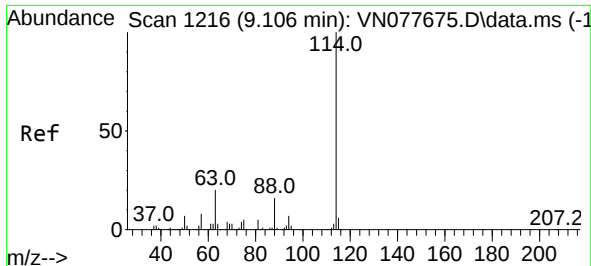
Tgt Ion: 56 Resp: 8344
Ion Ratio Lower Upper
56 100
69 169.1 26.8 40.2#
84 120.0 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 44.644 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Tgt Ion: 65 Resp: 245351
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20230517DL

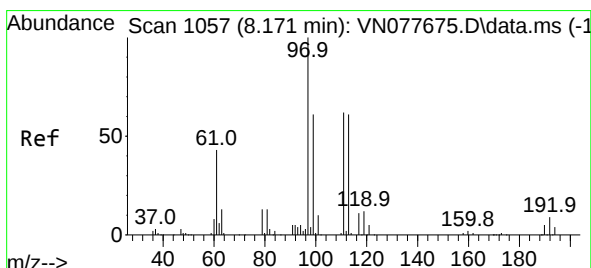
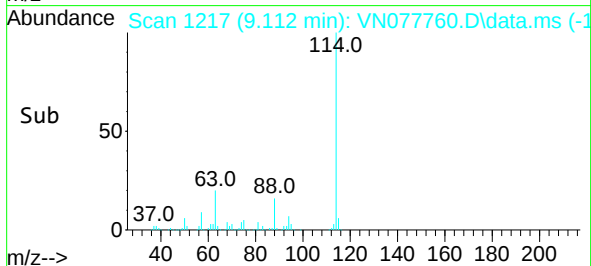
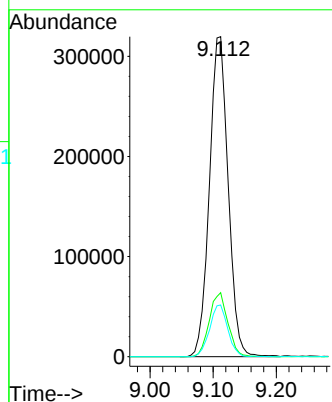
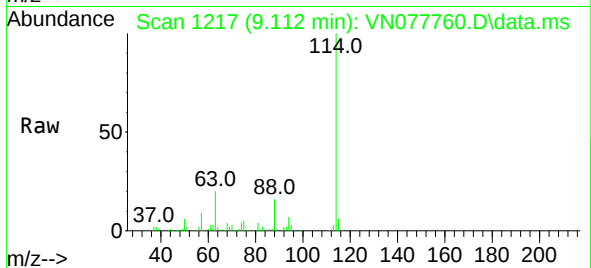
Tgt Ion:114 Resp: 658477

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 16.1 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: VN077760.D

Acq: 19 May 2023 13:38

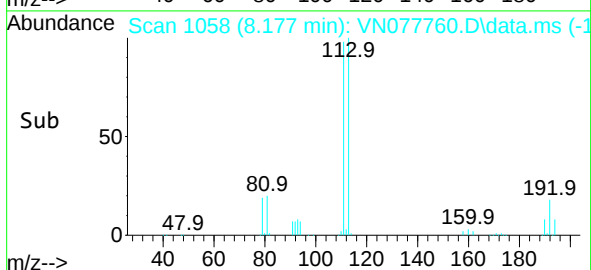
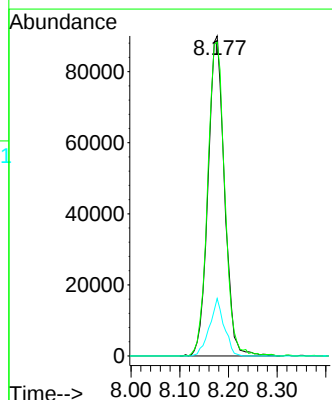
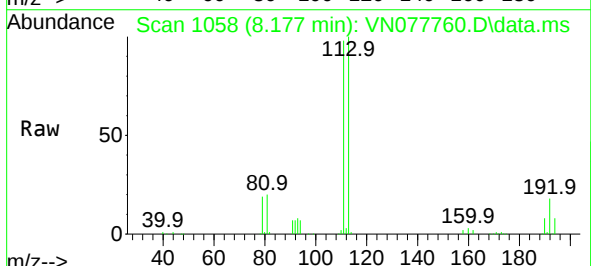
Tgt Ion:113 Resp: 210849

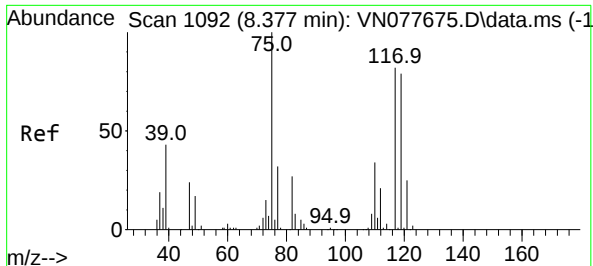
Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

192 16.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.363 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077760.D

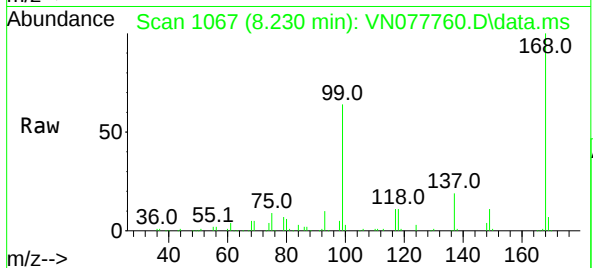
Acq: 19 May 2023 13:38

Instrument :

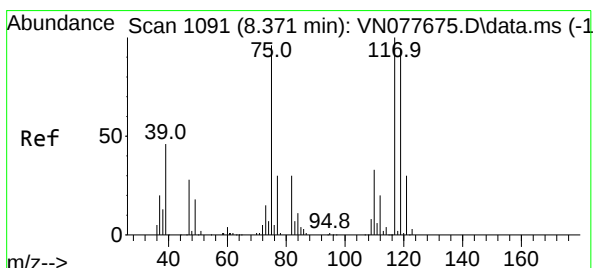
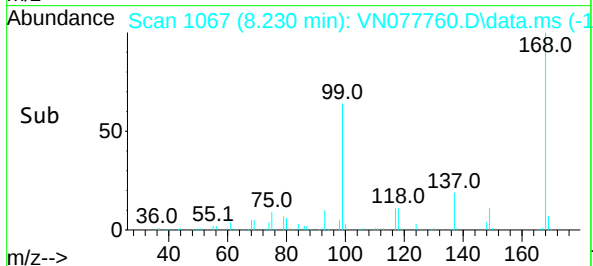
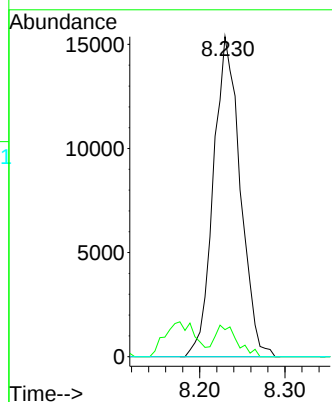
MSVOA_N

ClientSampleId :

RE125D2-20230517DL



Tgt Ion: 75	Resp: 33683
Ion Ratio	Lower Upper
75	100
110	8.5 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.549 ug/l

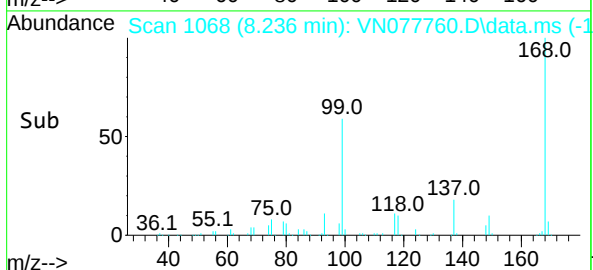
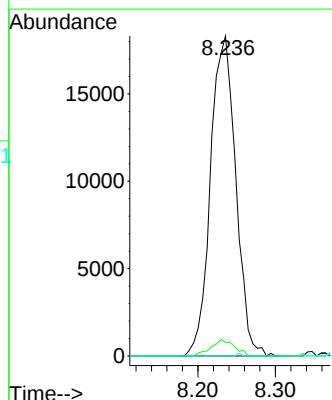
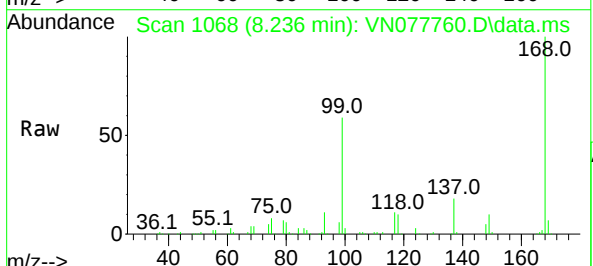
RT: 8.236 min Scan# 1068

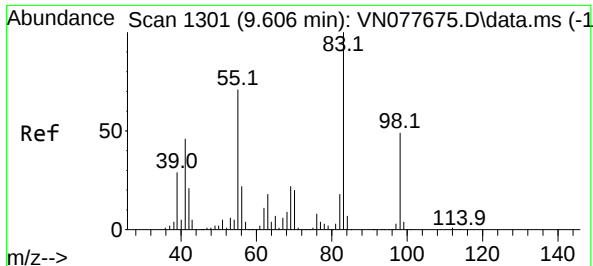
Delta R.T. -0.135 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Tgt Ion: 117	Resp: 41531
Ion Ratio	Lower Upper
117	100
119	4.2 77.3 115.9#
121	0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.442 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20230517DL

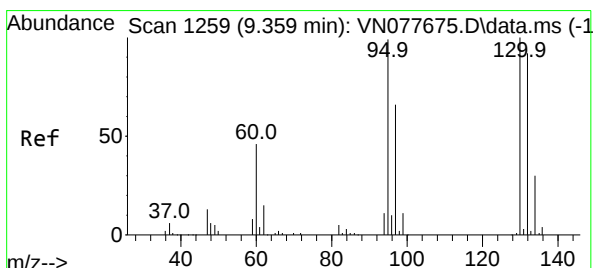
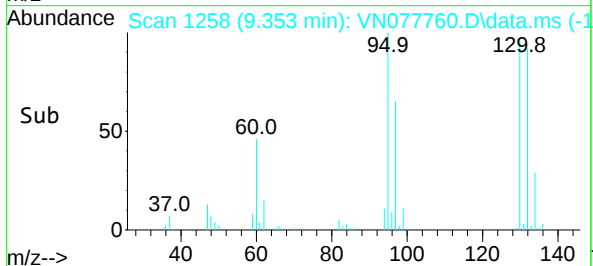
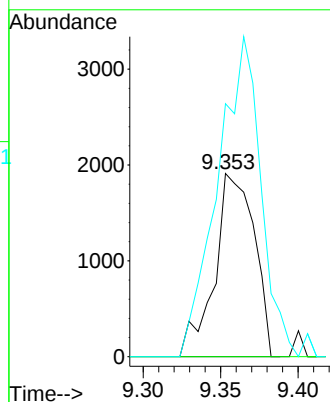
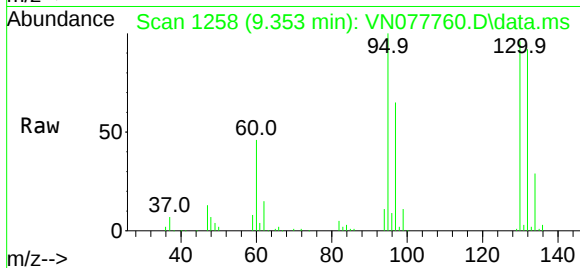
Tgt Ion: 83 Resp: 3400

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 138.1 40.6 61.0#



#44

Trichloroethene

Concen: 57.790 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN077760.D

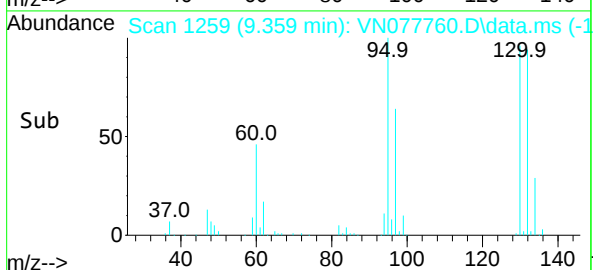
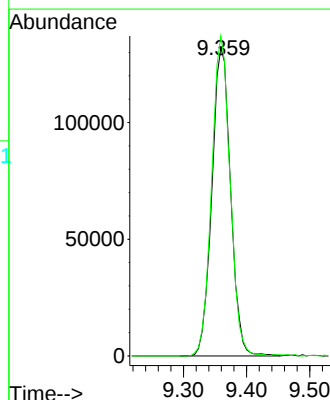
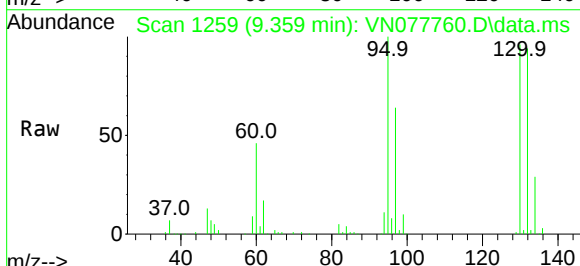
Acq: 19 May 2023 13:38

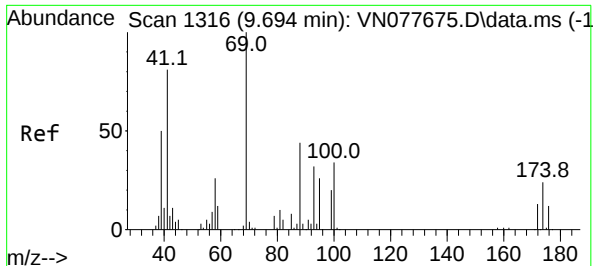
Tgt Ion:130 Resp: 271198

Ion Ratio Lower Upper

130 100

95 103.9 0.0 204.6

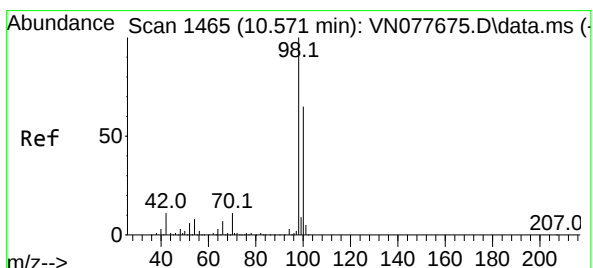
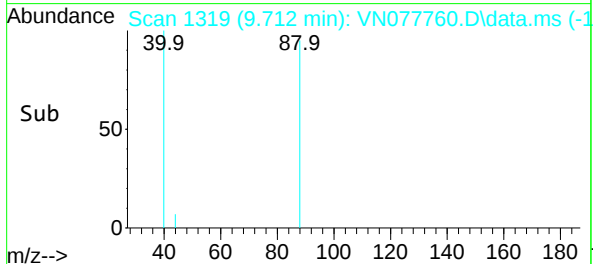
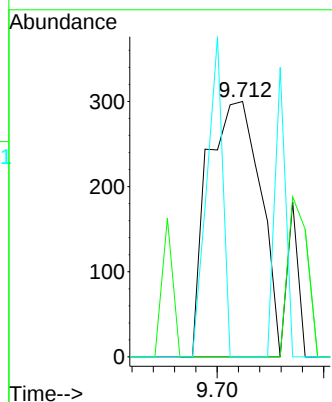
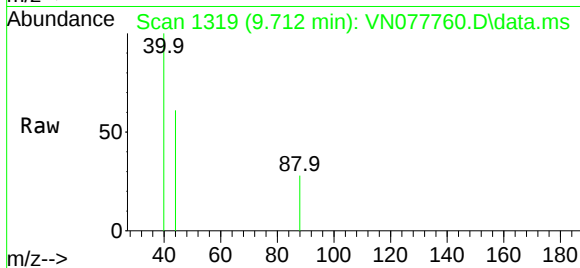




#49
1,4-Dioxane
Concen: 6.339 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

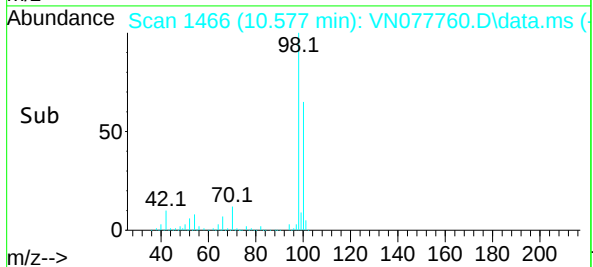
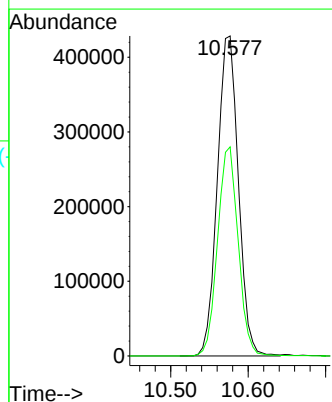
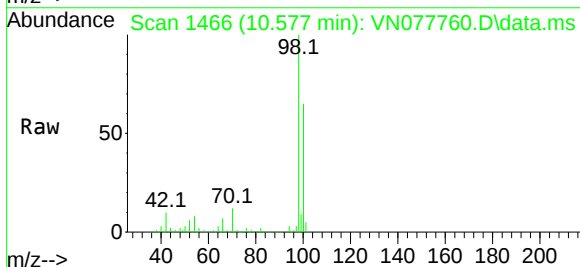
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

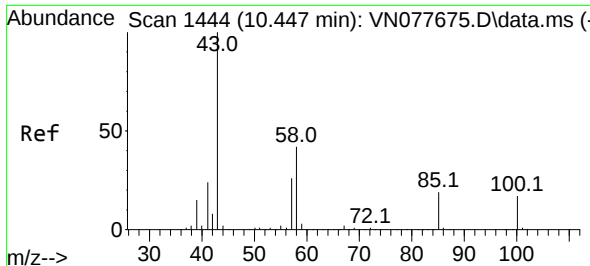
Tgt Ion: 88 Resp: 519
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 37.6 47.0 70.4#



#50
Toluene-d8
Concen: 48.926 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Tgt Ion: 98 Resp: 808617
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.610 ug/l

RT: 10.577 min Scan# 14

Delta R.T. 0.130 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Instrument :

MSVOA_N

ClientSampleId :

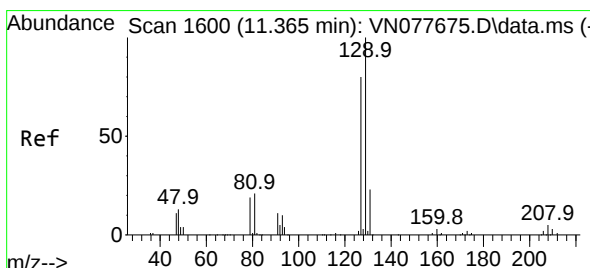
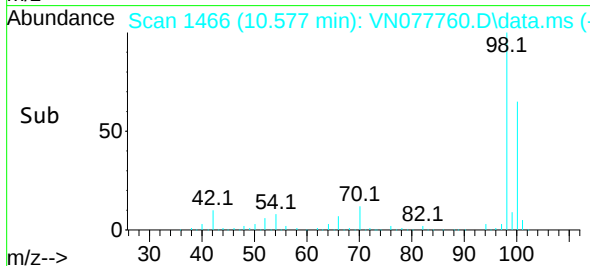
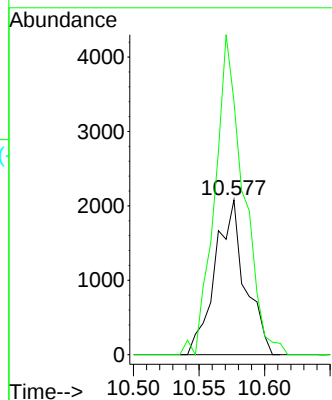
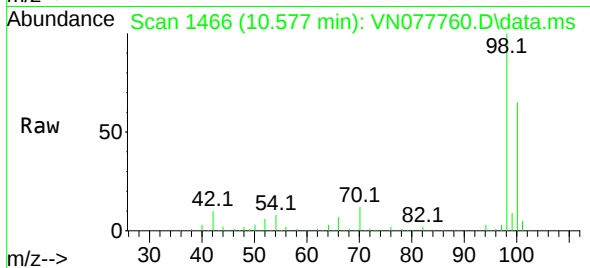
RE125D2-20230517DL

Tgt Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 197.8 36.6 54.8#



#60

Dibromochloromethane

Concen: 1.511 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. -0.253 min

Lab File: VN077760.D

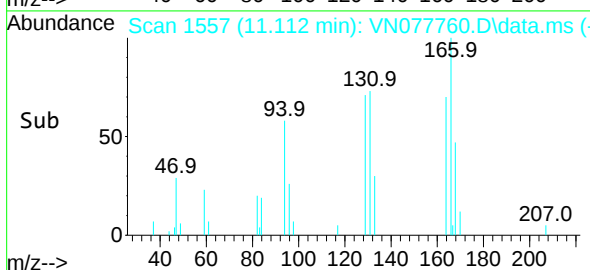
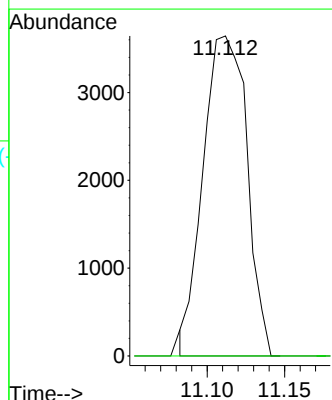
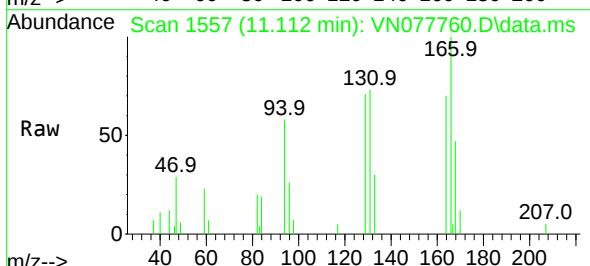
Acq: 19 May 2023 13:38

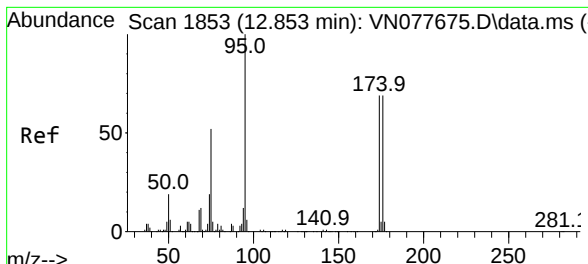
Tgt Ion: 129 Resp: 7148

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

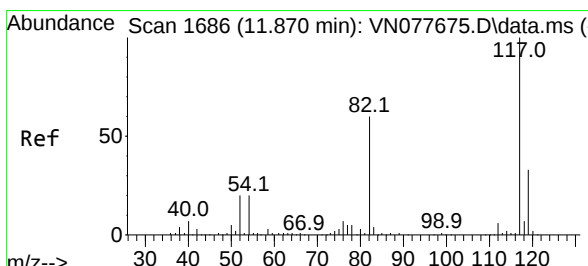
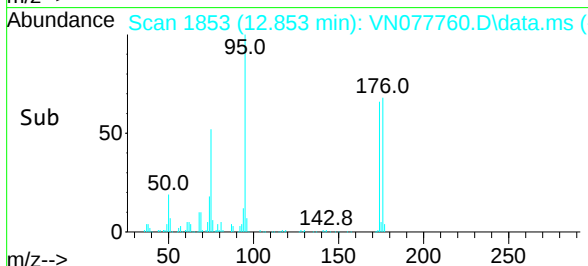
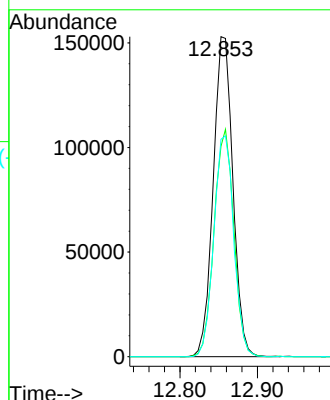
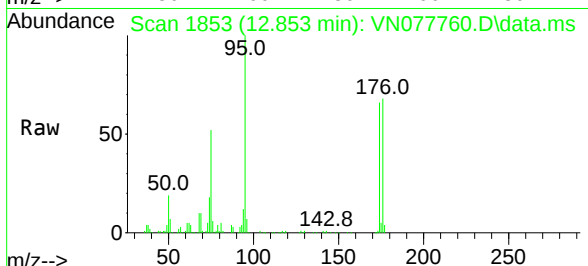




#62
4-Bromofluorobenzene
Concen: 46.212 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

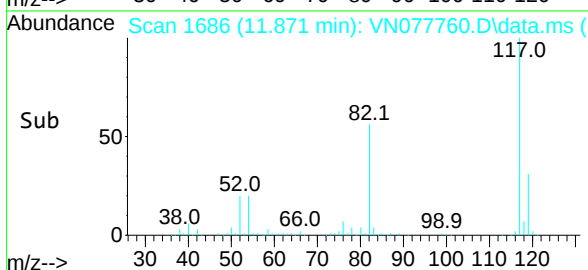
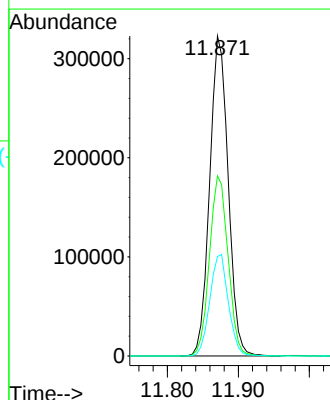
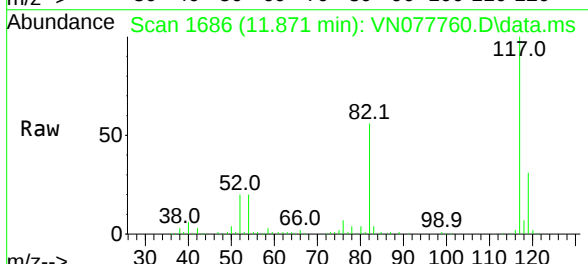
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

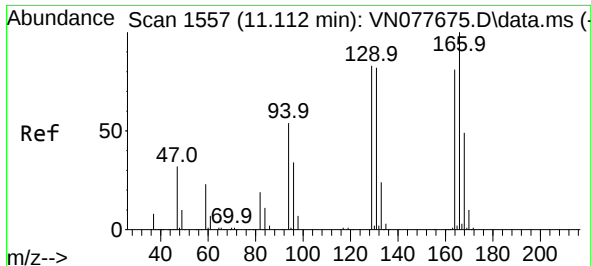
Tgt Ion:	95	Resp:	269744
Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	143.8
176	70.0	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Tgt Ion:	117	Resp:	583043
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.0	66.0
119	31.1	25.6	38.4

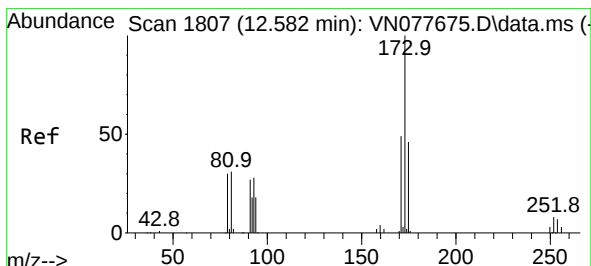
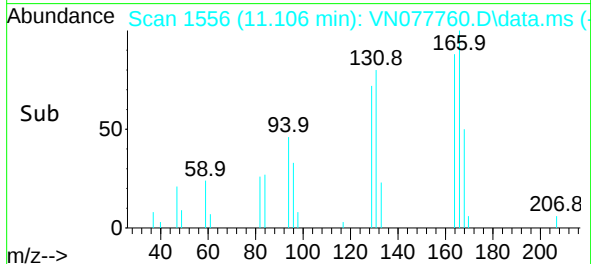
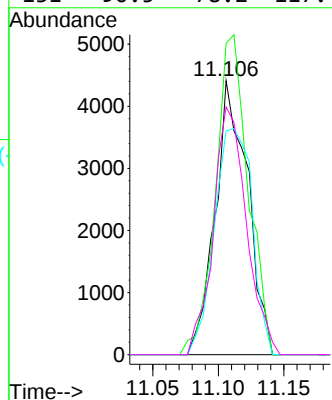
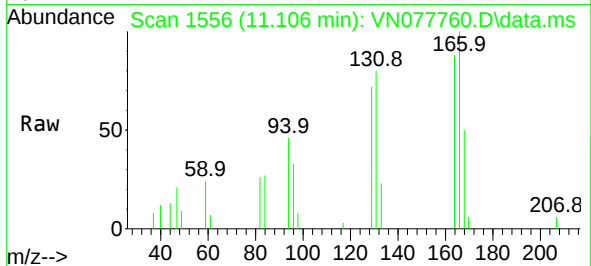




#64
Tetrachloroethene
Concen: 1.866 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

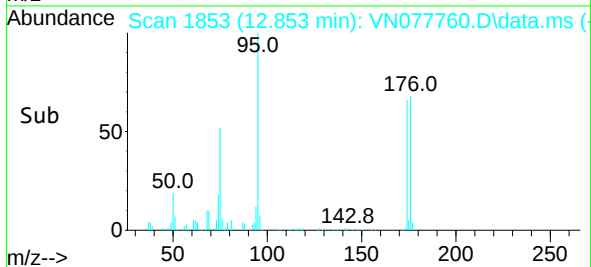
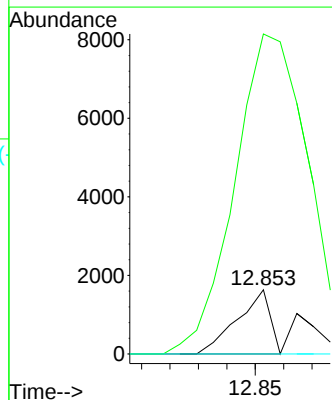
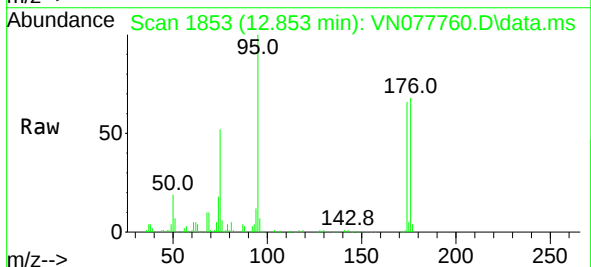
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20230517DL

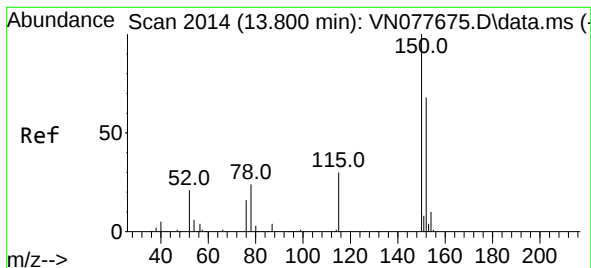
Tgt Ion:164 Resp: 7607
Ion Ratio Lower Upper
164 100
166 113.7 101.4 152.0
129 81.7 82.4 123.6#
131 90.5 78.2 117.4



#71
Bromoform
Concen: 0.451 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077760.D
Acq: 19 May 2023 13:38

Tgt Ion:173 Resp: 1312
Ion Ratio Lower Upper
173 100
175 770.3 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# 20

Delta R.T. -0.000 min

Lab File: VN077760.D

Acq: 19 May 2023 13:38

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20230517DL

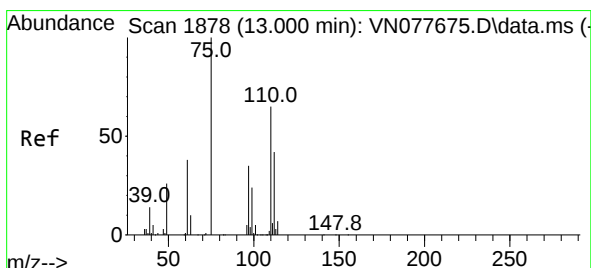
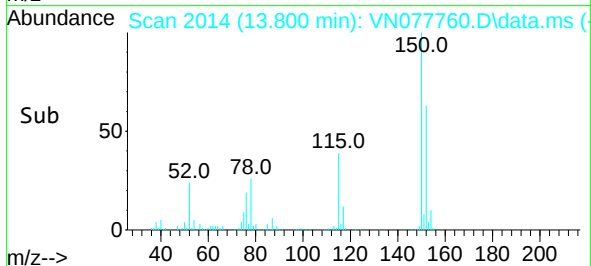
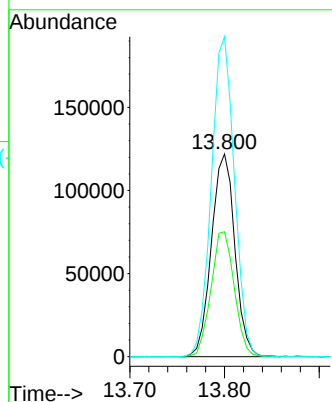
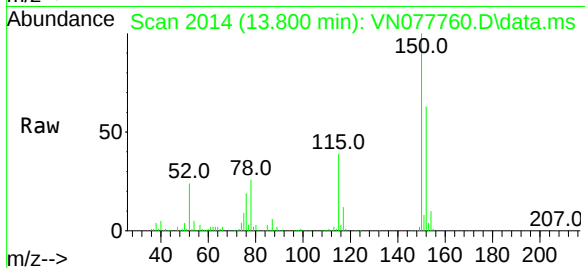
Tgt Ion:152 Resp: 209583

Ion Ratio Lower Upper

152 100

115 61.2 32.3 96.8

150 155.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.901 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077760.D

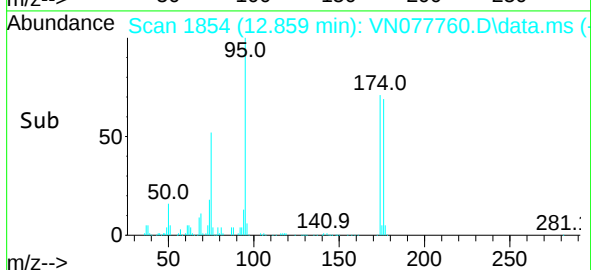
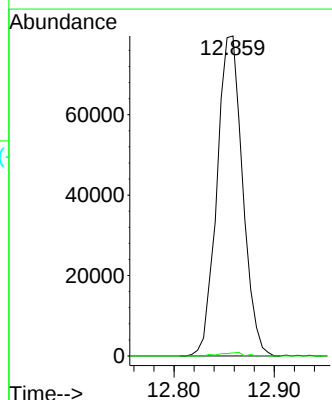
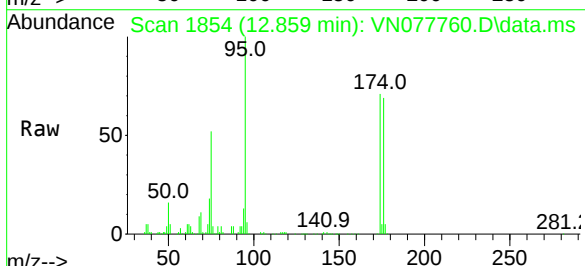
Acq: 19 May 2023 13:38

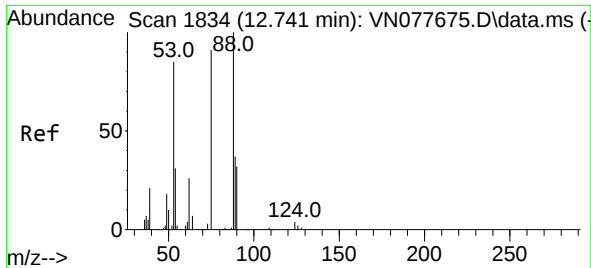
Tgt Ion: 75 Resp: 141198

Ion Ratio Lower Upper

75 100

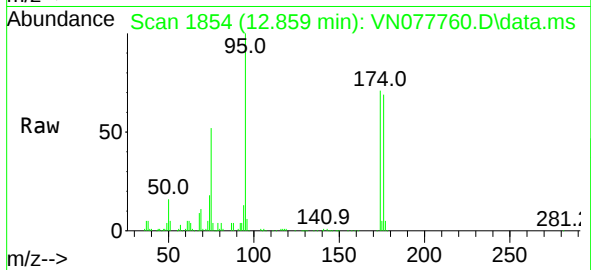
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.991 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077760.D
 Acq: 19 May 2023 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20230517DL



Tgt Ion: 75 Resp: 141198
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

