

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077745.D
 Acq On : 18 May 2023 18:40
 Operator : JC\MD
 Sample : 02834-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20230516

Quant Time: May 29 08:54:14 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)

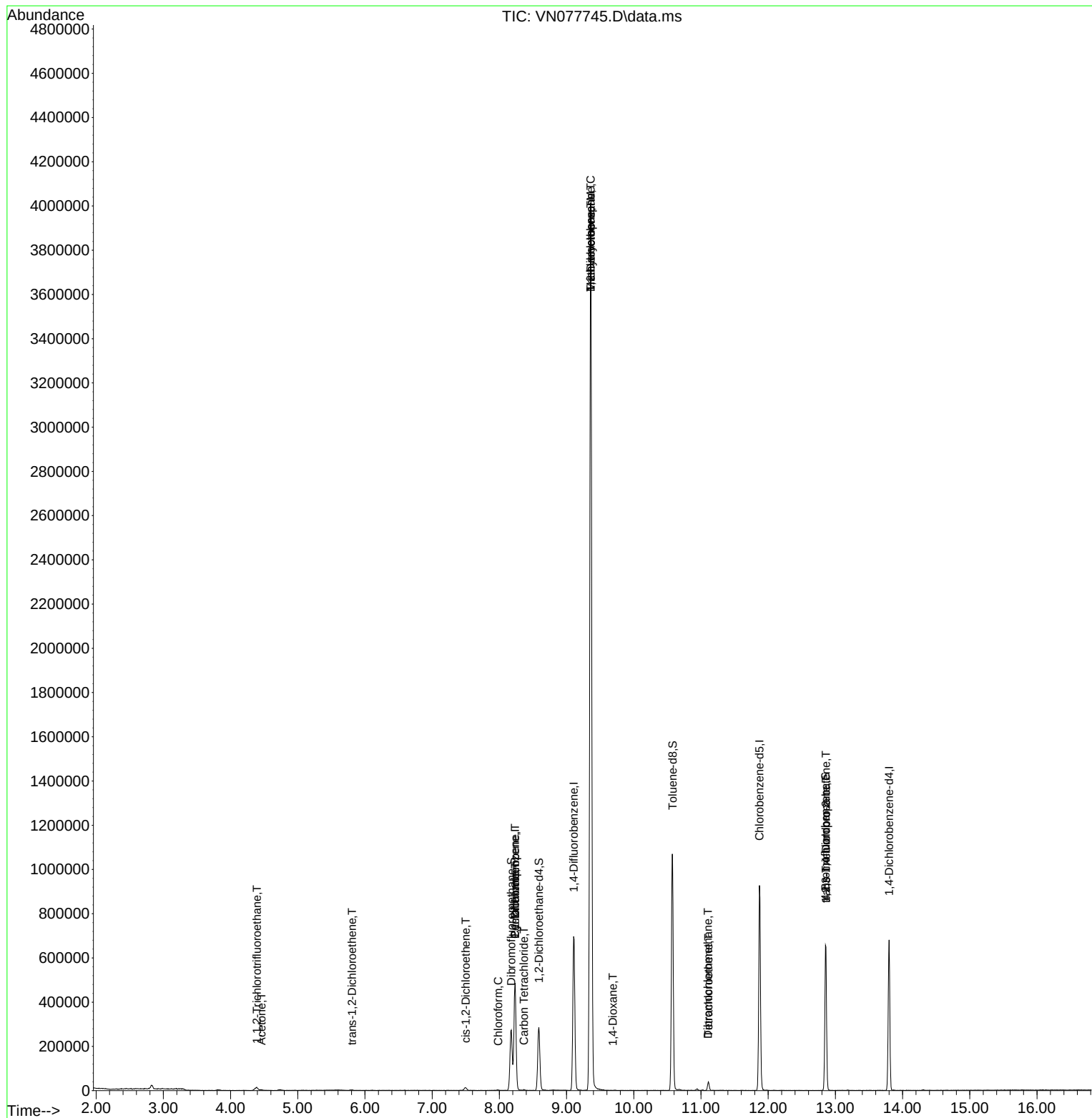
Internal Standards						
1) Pentafluorobenzene	8.235	168	344003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	627986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	544441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	181293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	237958	46.231	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.460%
35) Dibromofluoromethane	8.177	113	199570	48.735	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	10.577	98	791835	50.237	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.853	95	239712	43.061	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1458	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.395	101	8552	2.246	ug/l	99
13) Acrolein	4.189	56	337	Below Cal	#	78
16) Acetone	4.459	43	4522	2.792	ug/l	94
20) Methylene Chloride	5.277	84	151	Below Cal	#	17
21) trans-1,2-Dichloroethene	5.806	96	1425	0.351	ug/l	# 55
27) cis-1,2-Dichloroethene	7.500	96	8240	1.691	ug/l	# 88
30) Chloroform	7.983	83	2082	0.248	ug/l	# 81
31) Cyclohexane	8.235	56	8599	1.229	ug/l	# 43
36) 1,1-Dichloropropene	8.235	75	30605	5.110	ug/l	# 47
38) Carbon Tetrachloride	8.365	117	1910	0.316	ug/l	# 96
39) Methylcyclohexane	9.359	83	18353	2.503	ug/l	# 1
44) Trichloroethene	9.359	130	1408423	314.696	ug/l	# 100
45) 1,2-Dichloropropane	9.359	63	4504	0.999	ug/l	# 1
49) 1,4-Dioxane	9.688	88	126	1.614	ug/l	# 30
60) Dibromochloromethane	11.106	129	8236	1.826	ug/l	# 11
64) Tetrachloroethene	11.112	164	8236	2.163	ug/l	# 97
76) 1,2,3-Trichloropropane	12.859	75	129120	28.439	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	129120	90.906	ug/l	# 15

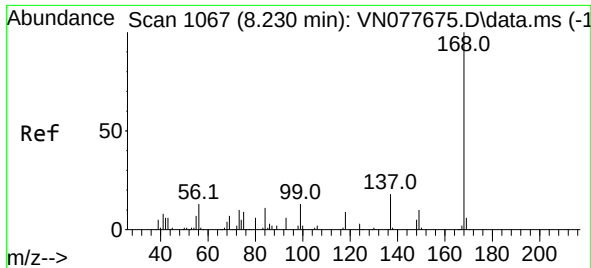
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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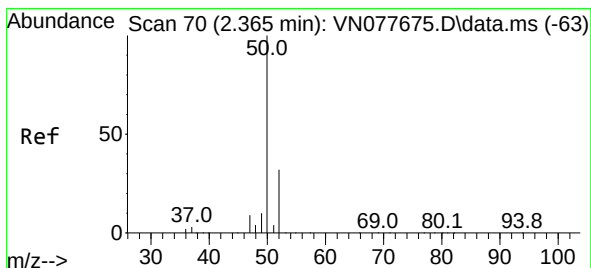
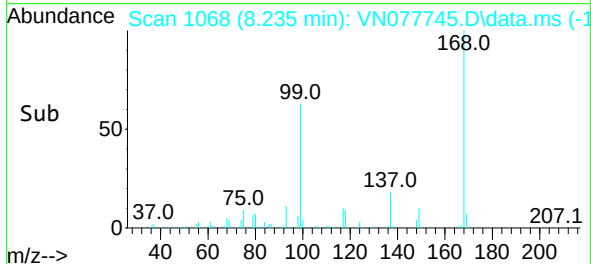
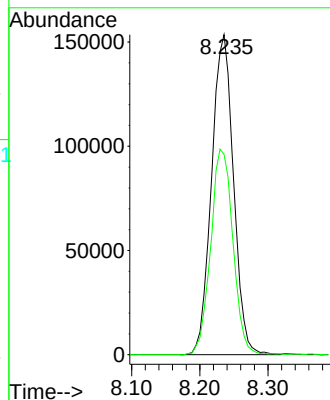
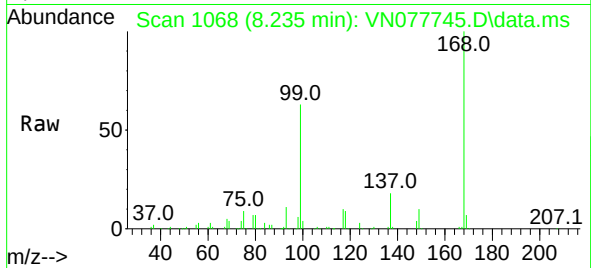




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

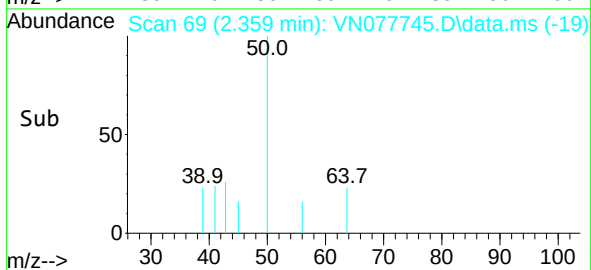
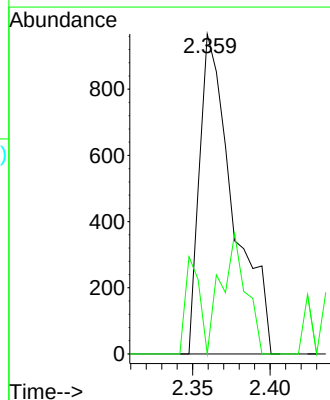
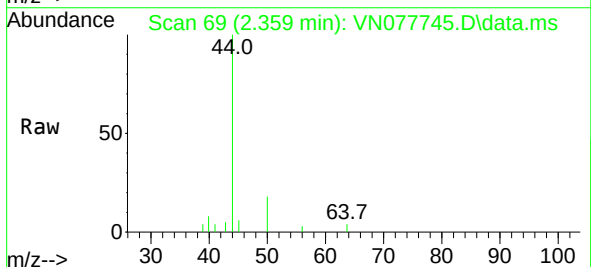
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

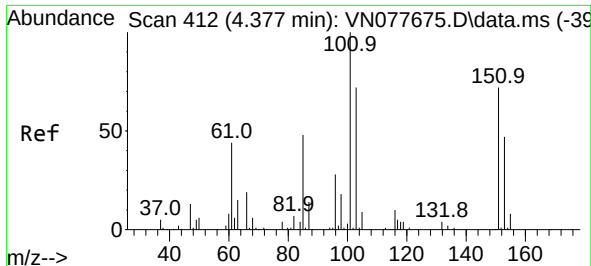
Tgt Ion:168 Resp: 344003
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 50 Resp: 1458
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

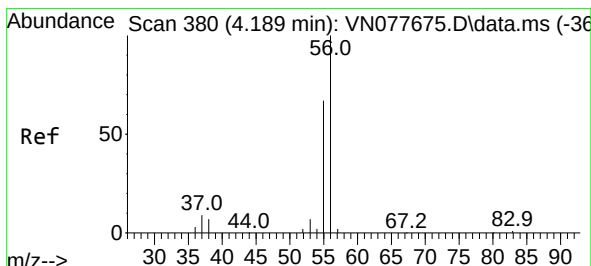
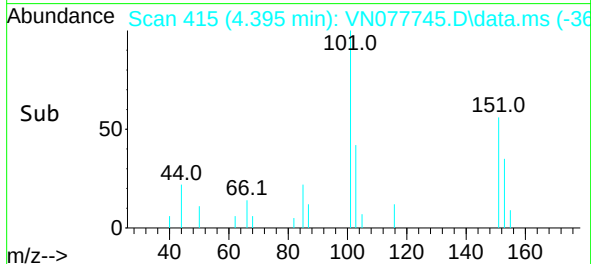
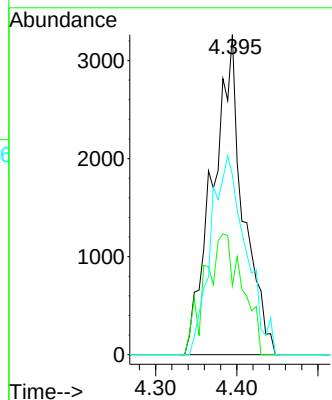
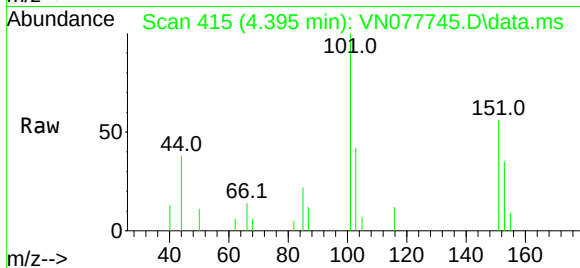




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.246 ug/l
RT: 4.395 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

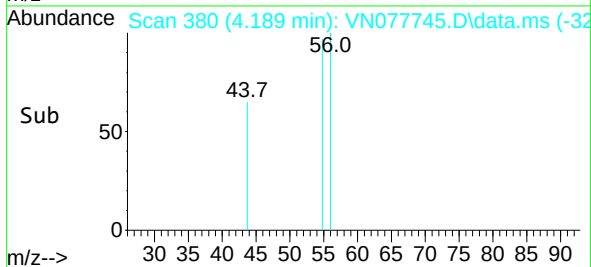
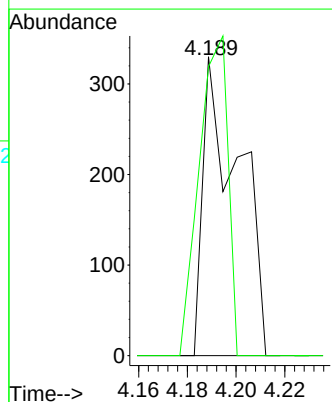
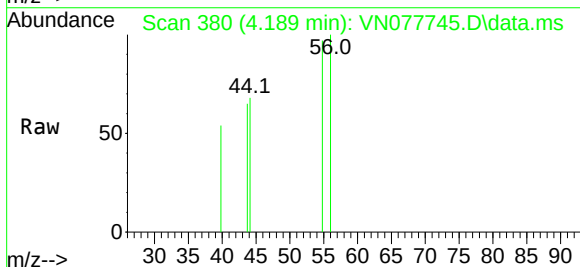
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

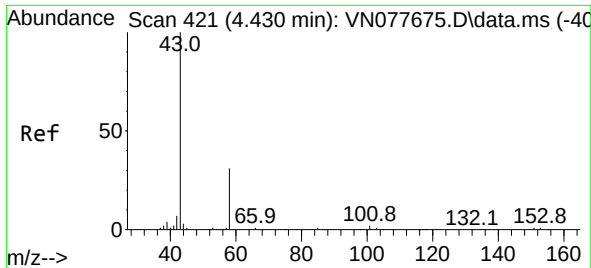
Tgt Ion:101 Resp: 8552
Ion Ratio Lower Upper
101 100
85 45.5 36.6 55.0
151 71.4 57.6 86.4



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 86.1 54.5 81.7#





#16

Acetone

Concen: 2.792 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

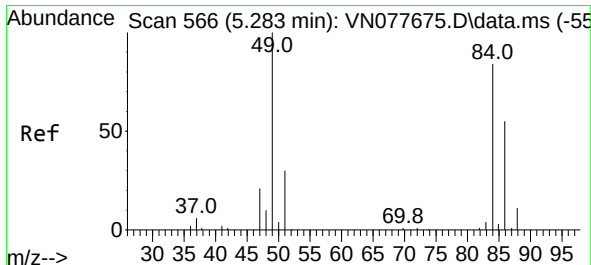
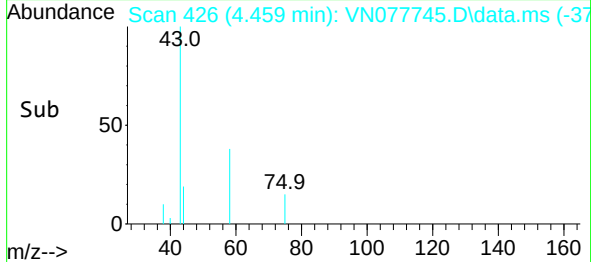
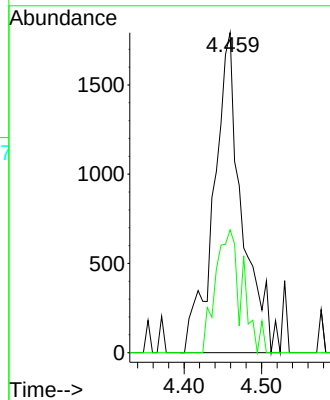
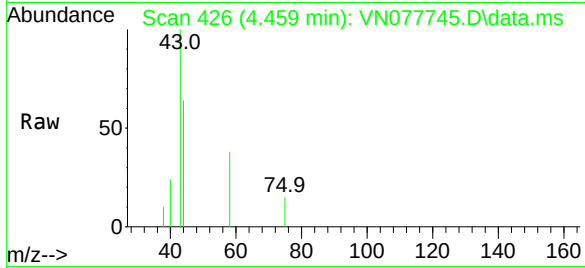
RE122D1-20230516

Tgt Ion: 43 Resp: 4522

Ion Ratio Lower Upper

43 100

58 38.4 28.0 42.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

Tgt Ion: 84 Resp: 151

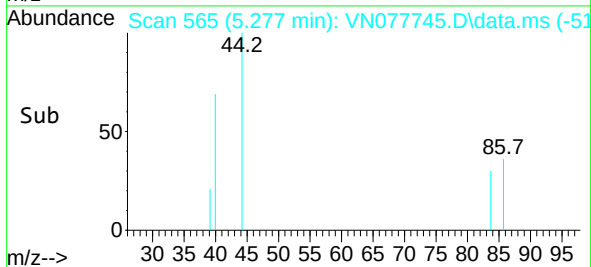
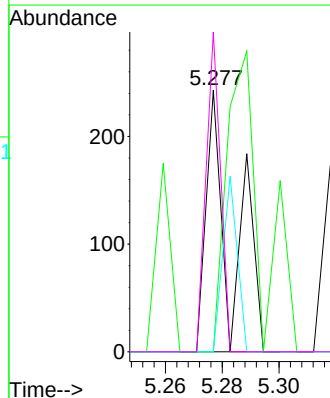
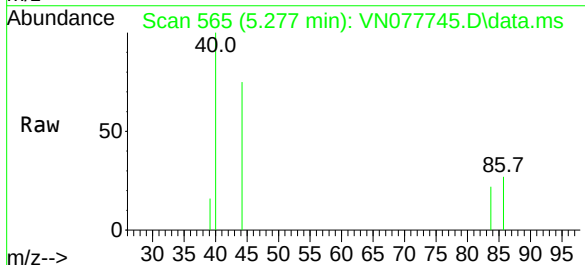
Ion Ratio Lower Upper

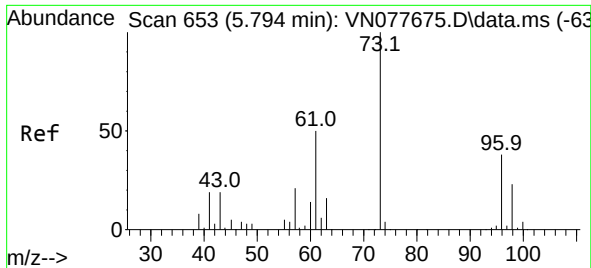
84 100

49 0.0 79.7 119.5#

51 0.0 25.2 37.8#

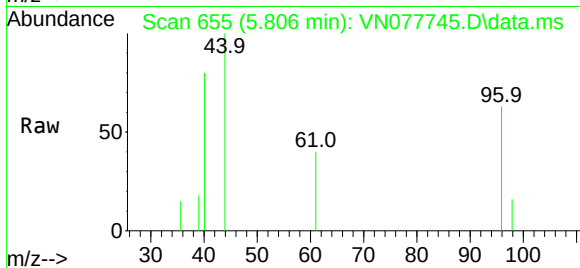
86 122.2 53.3 79.9#



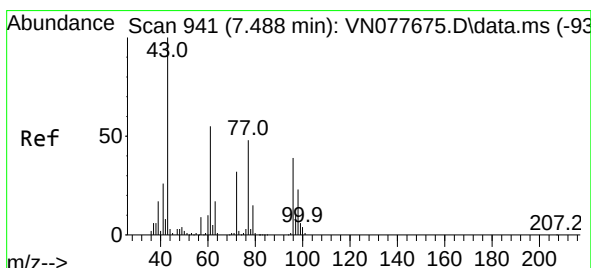
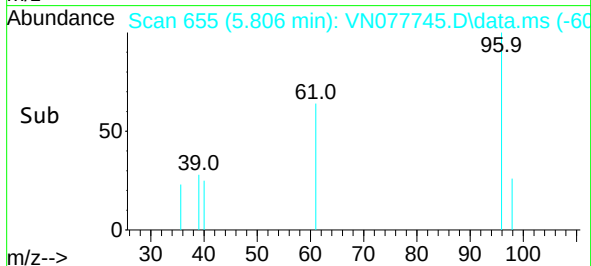
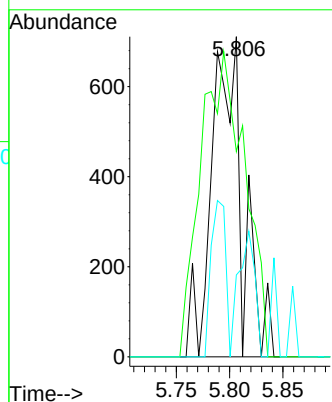


#21
trans-1,2-Dichloroethene
Concen: 0.351 ug/l
RT: 5.806 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

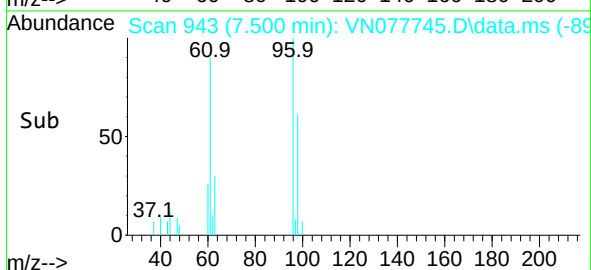
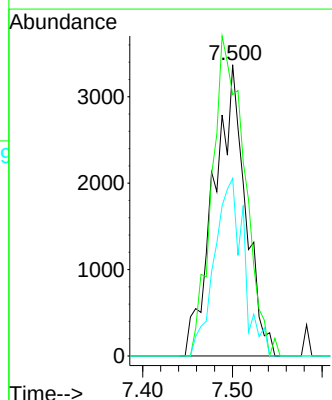
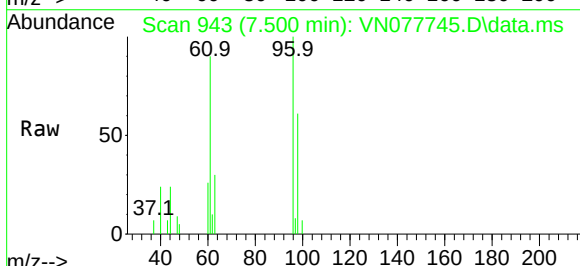


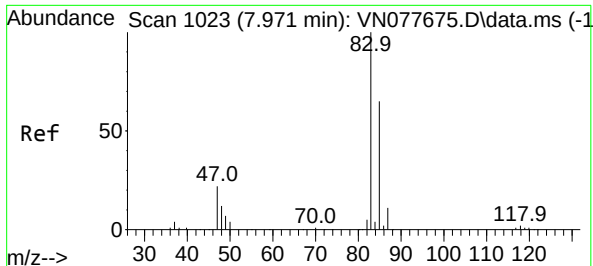
Tgt Ion: 96 Resp: 1425
Ion Ratio Lower Upper
96 100
61 64.1 90.1 135.1#
98 25.6 46.4 69.6#



#27
cis-1,2-Dichloroethene
Concen: 1.691 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 96 Resp: 8240
Ion Ratio Lower Upper
96 100
61 112.6 0.0 255.2
98 56.5 0.0 128.8

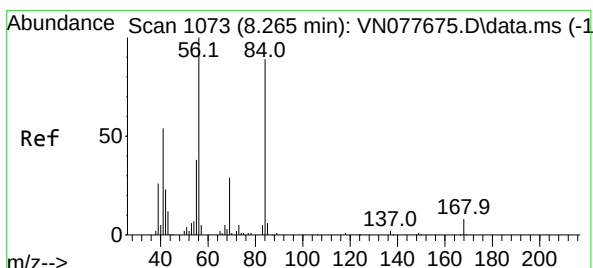
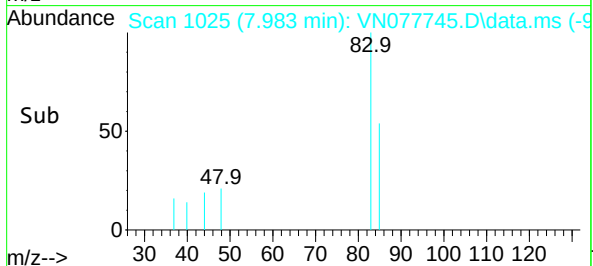
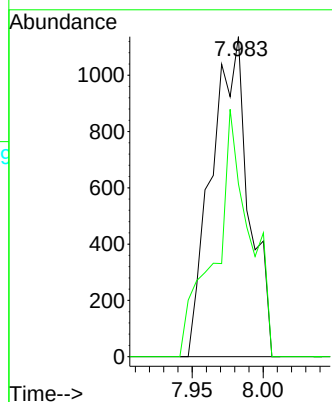
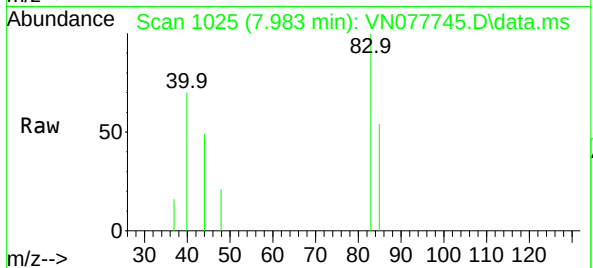




#30
Chloroform
Concen: 0.248 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.012 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

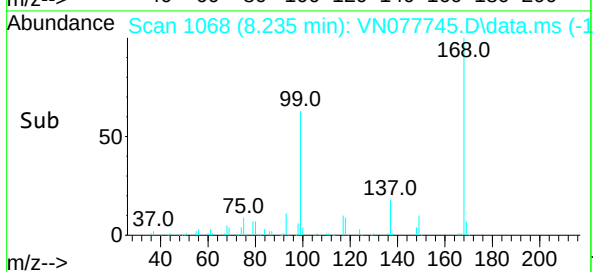
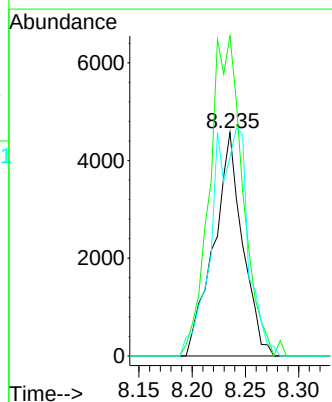
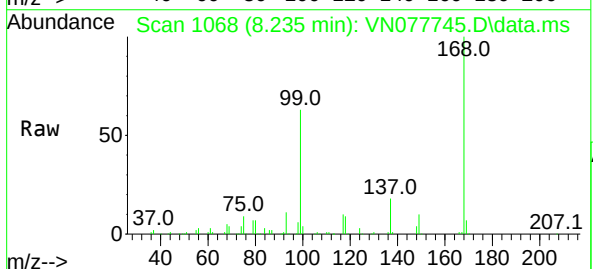
Instrument :
MSVOA_N
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RE122D1-20230516

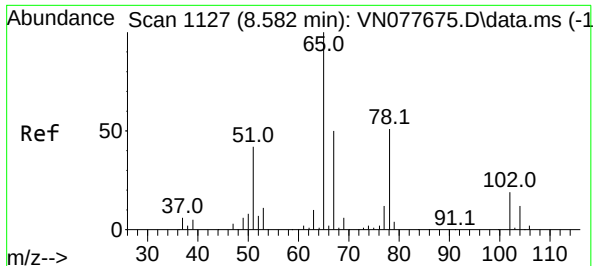
Tgt Ion: 83 Resp: 2082
Ion Ratio Lower Upper
83 100
85 54.0 55.4 83.0#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 56 Resp: 8599
Ion Ratio Lower Upper
56 100
69 143.2 26.8 40.2#
84 88.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.231 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

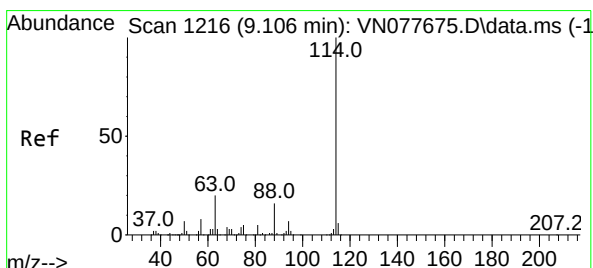
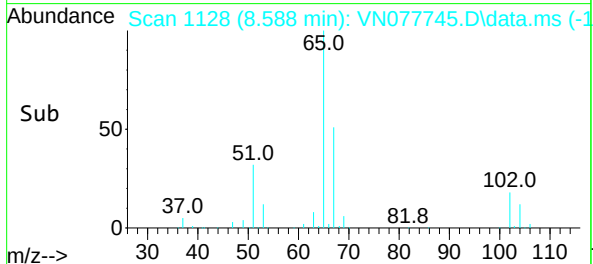
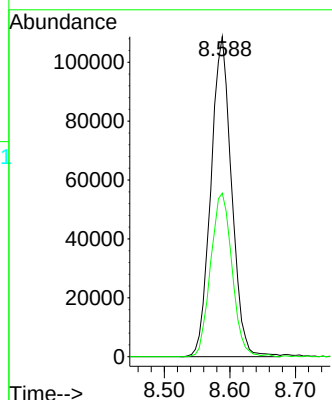
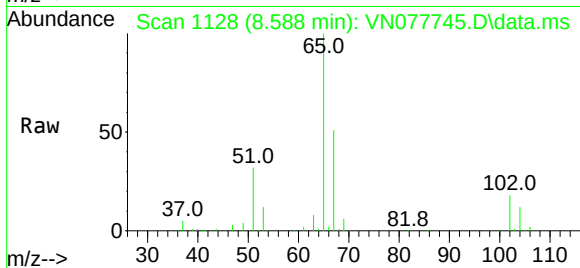
RE122D1-20230516

Tgt Ion: 65 Resp: 237958

Ion Ratio Lower Upper

65 100

67 52.6 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: VN077745.D

Acq: 18 May 2023 18:40

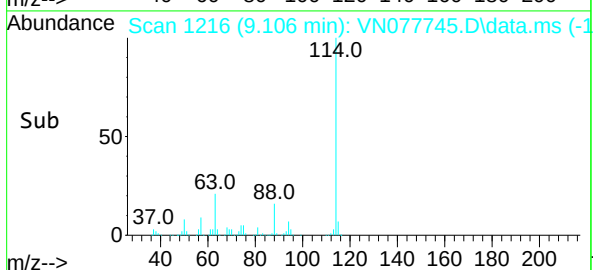
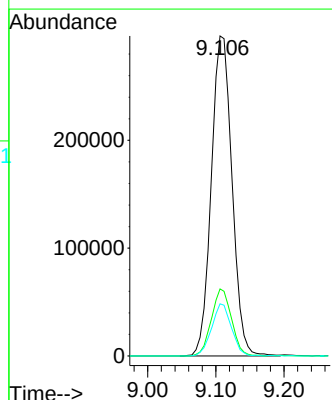
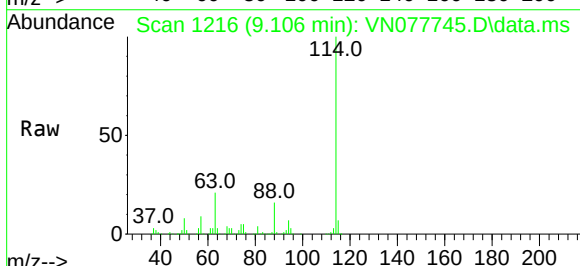
Tgt Ion: 114 Resp: 627986

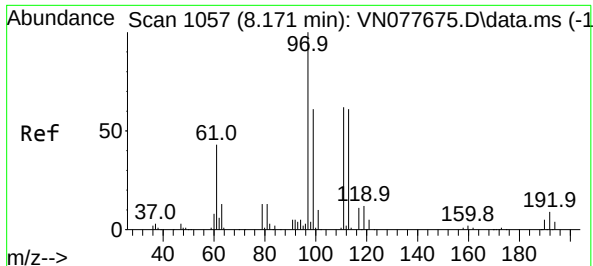
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.735 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20230516

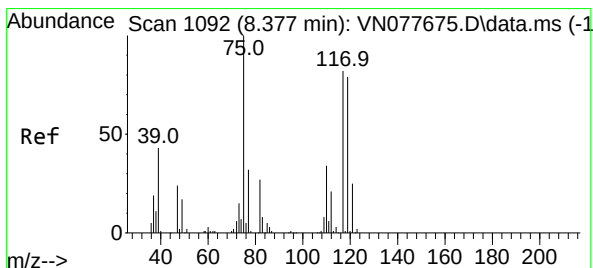
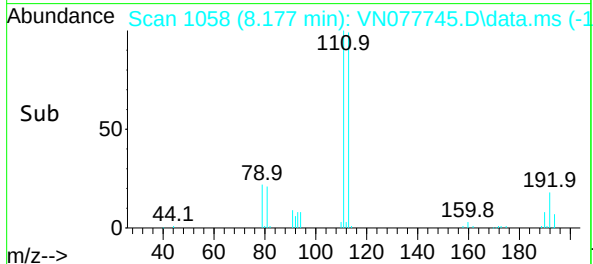
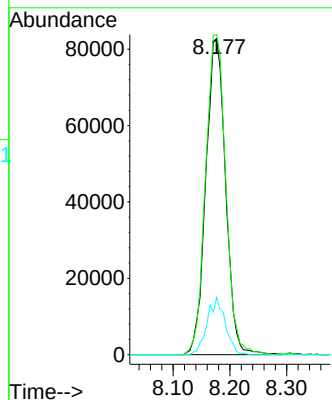
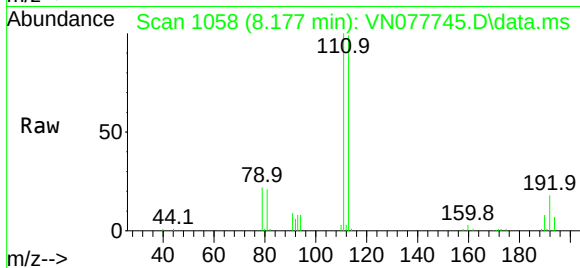
Tgt Ion:113 Resp: 199570

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

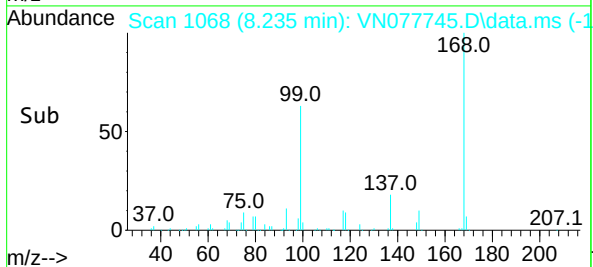
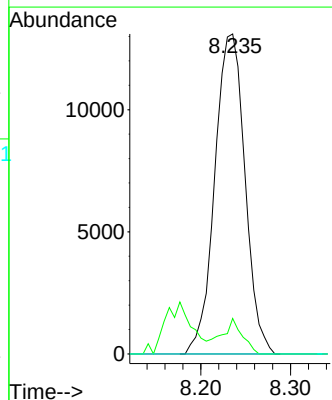
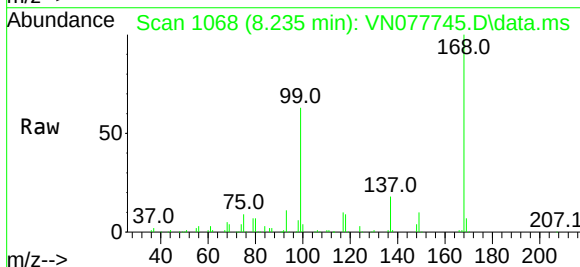
Tgt Ion: 75 Resp: 30605

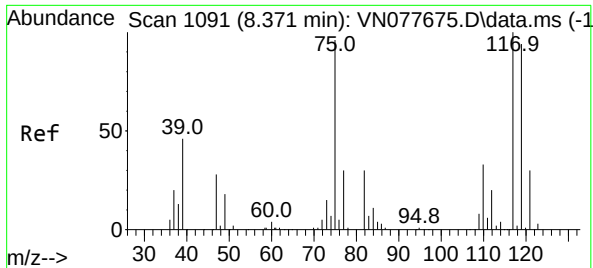
Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#

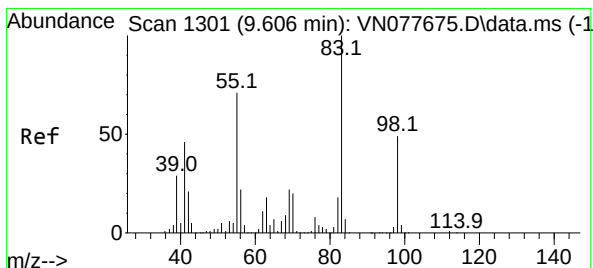
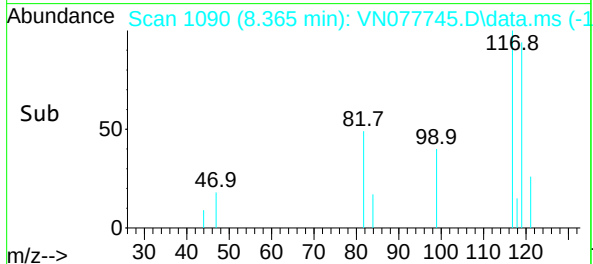
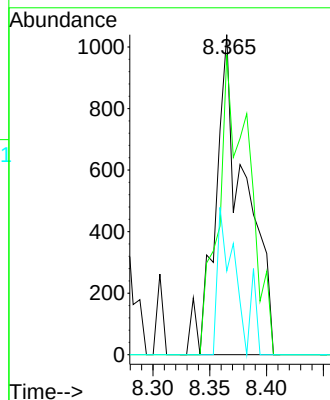
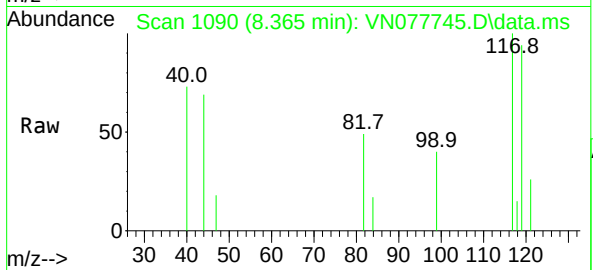




#38
Carbon Tetrachloride
Concen: 0.316 ug/l
RT: 8.365 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

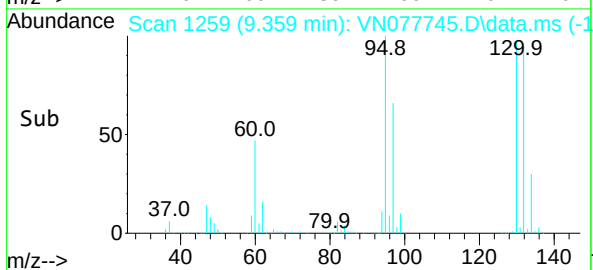
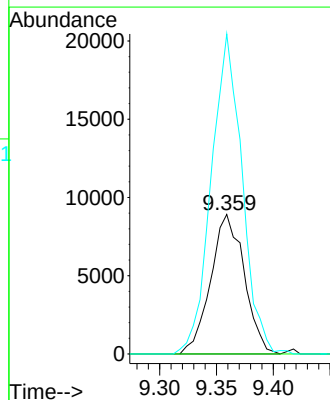
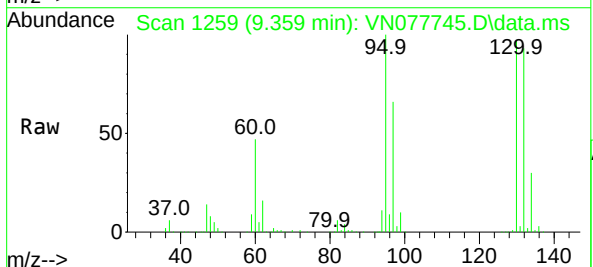
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

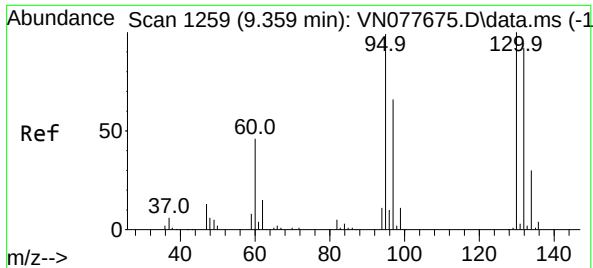
Tgt Ion:	117	Resp:	1910
Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.3	115.9
121	26.2	23.3	34.9



#39
Methylcyclohexane
Concen: 2.503 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion:	83	Resp:	18353
Ion	Ratio	Lower	Upper
83	100		
55	0.0	49.1	73.7#
98	227.0	40.6	61.0#

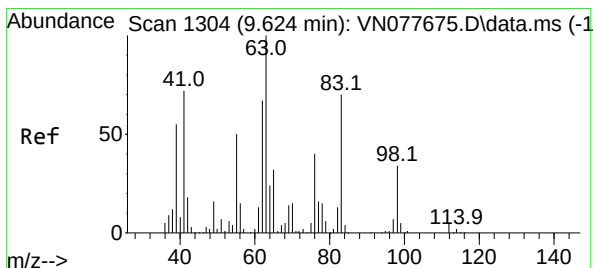
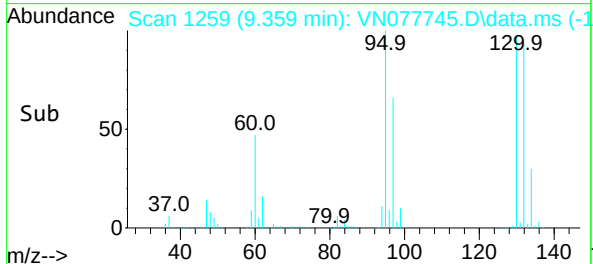
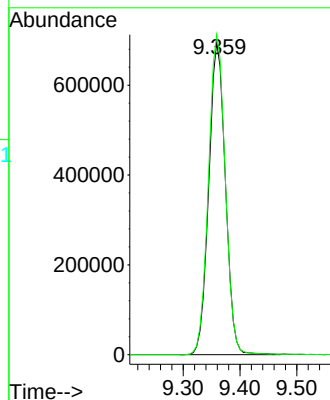
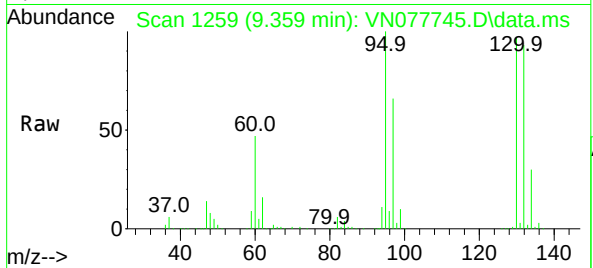




#44
Trichloroethene
Concen: 314.696 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

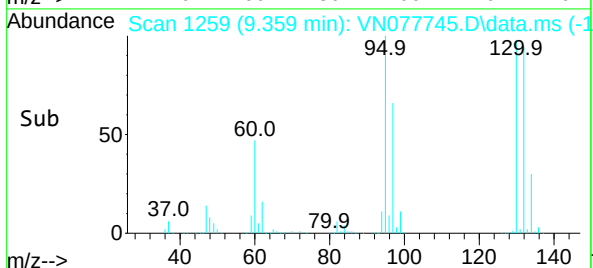
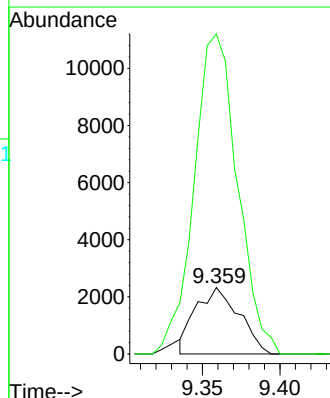
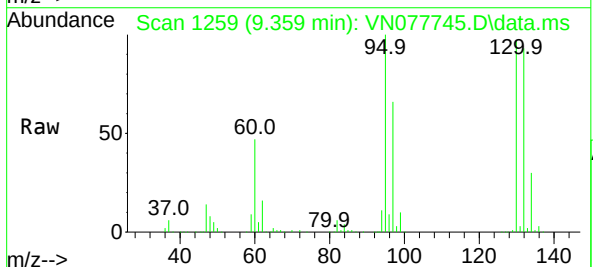
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

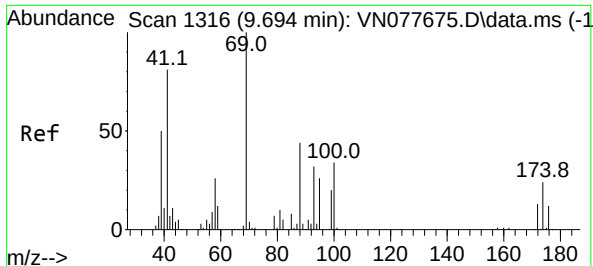
Tgt Ion:130 Resp: 1408423
Ion Ratio Lower Upper
130 100
95 102.6 0.0 204.6



#45
1,2-Dichloropropane
Concen: 0.999 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.265 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 63 Resp: 4504
Ion Ratio Lower Upper
63 100
65 481.7 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.614 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN077745.D

Acq: 18 May 2023 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20230516

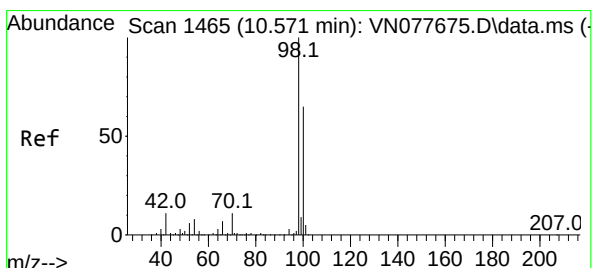
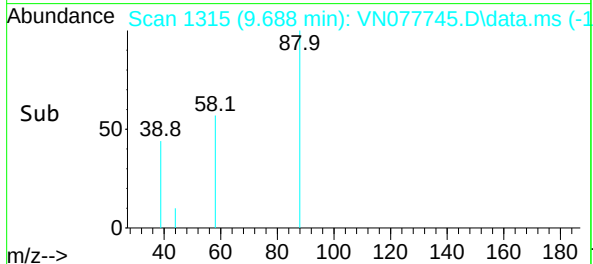
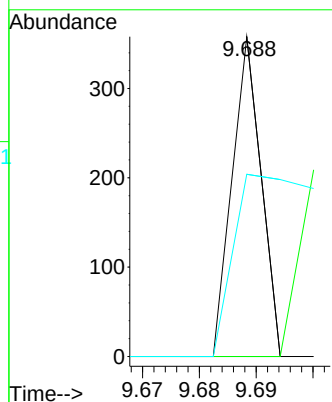
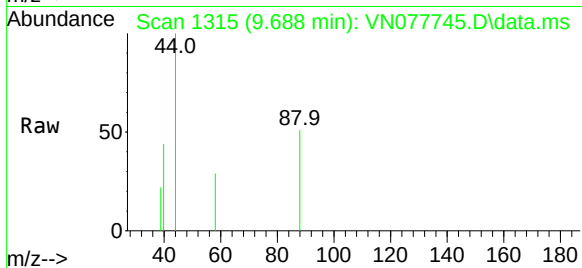
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 50.237 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN077745.D

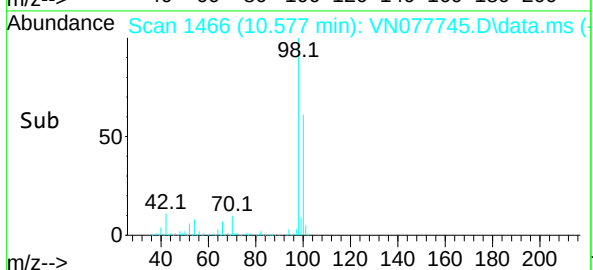
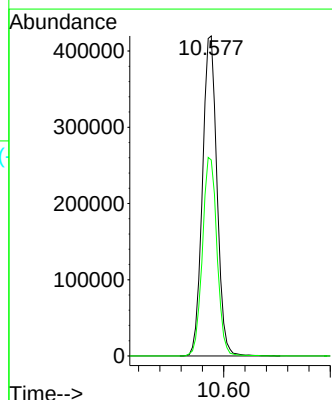
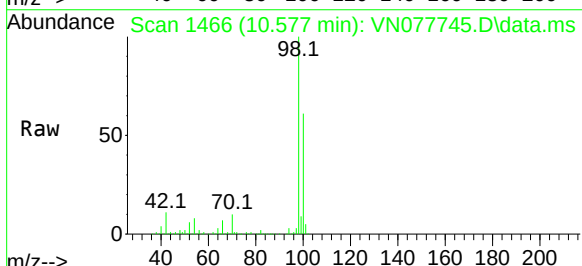
Acq: 18 May 2023 18:40

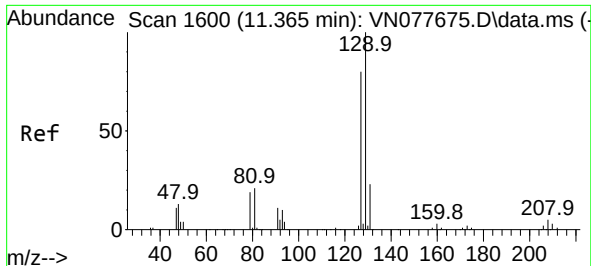
Tgt Ion: 98 Resp: 791835

Ion Ratio Lower Upper

98 100

100 62.4 52.0 78.0

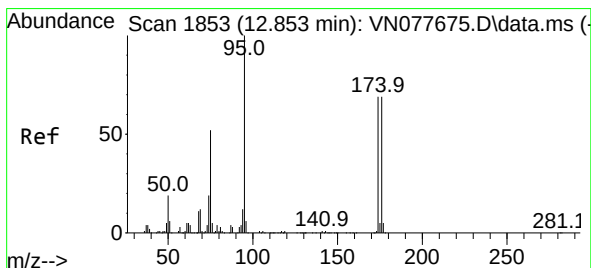
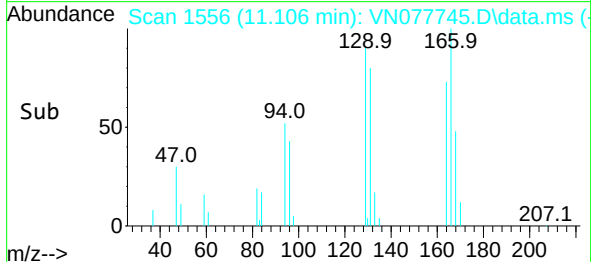
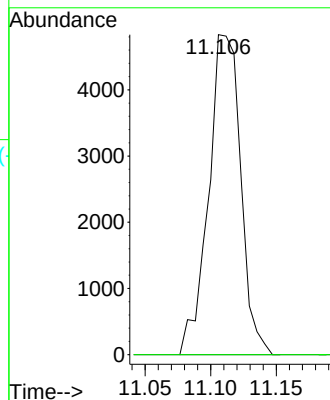
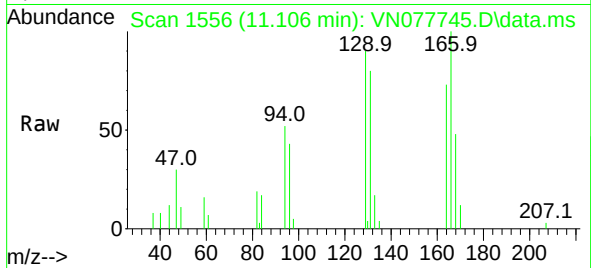




#60
Dibromochloromethane
Concen: 1.826 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

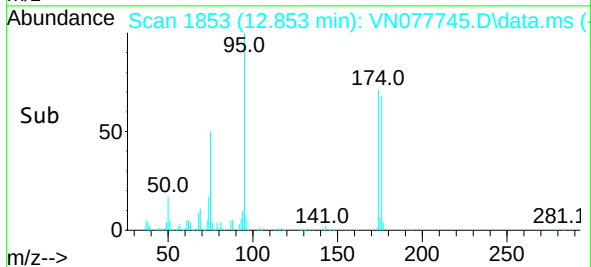
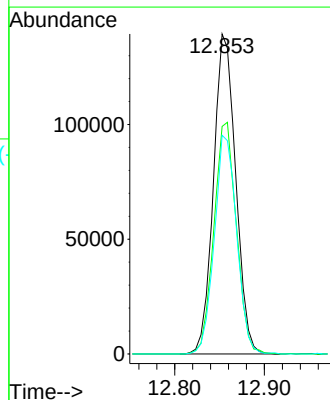
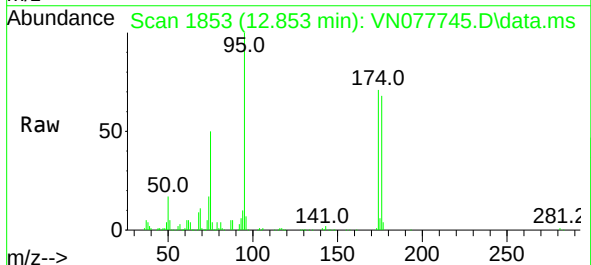
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

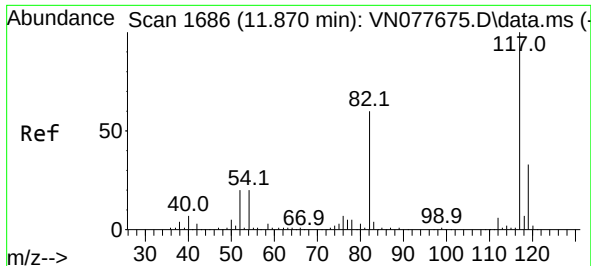
Tgt Ion:129 Resp: 8236
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 43.061 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion: 95 Resp: 239712
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 68.7 0.0 135.8

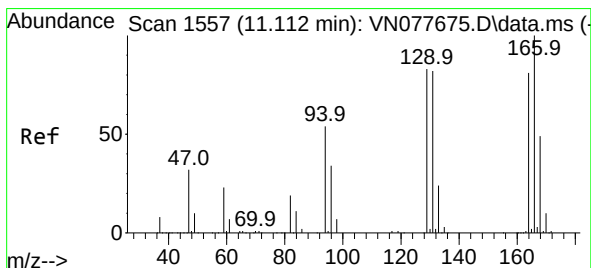
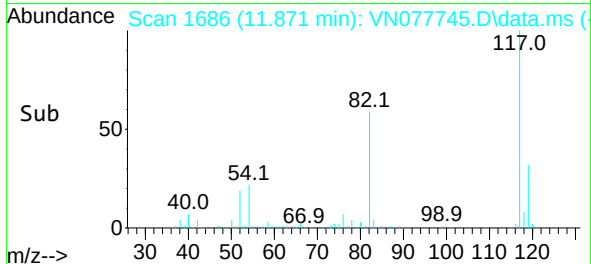
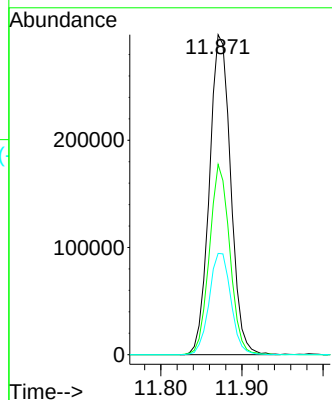
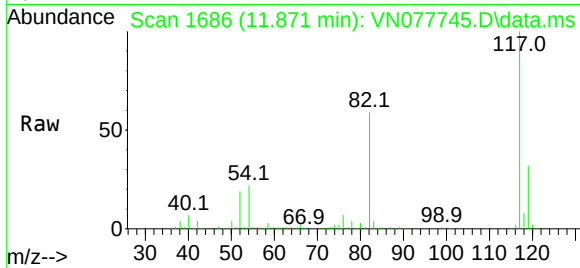




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

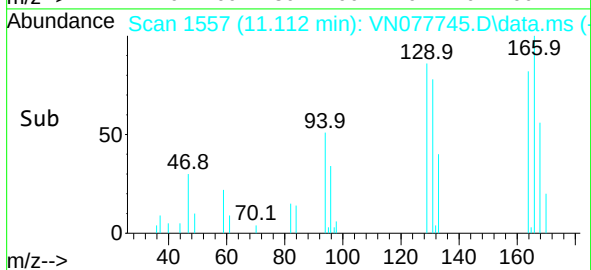
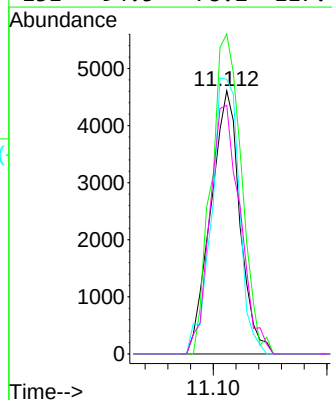
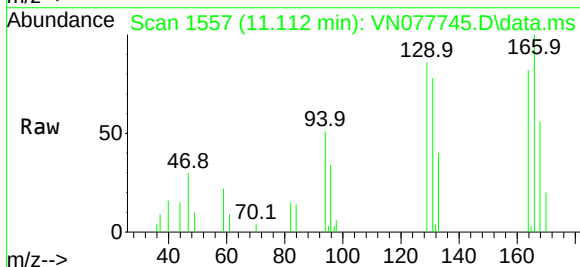
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516

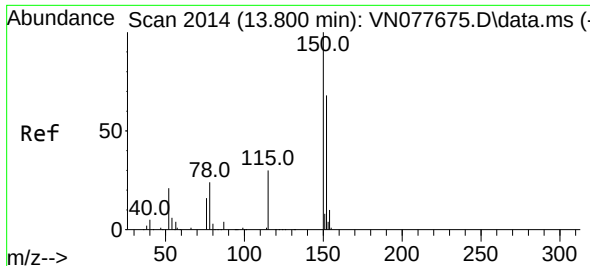
Tgt Ion:117 Resp: 544441
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 2.163 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Tgt Ion:164 Resp: 8236
Ion Ratio Lower Upper
164 100
166 121.6 101.4 152.0
129 104.4 82.4 123.6
131 94.5 78.2 117.4

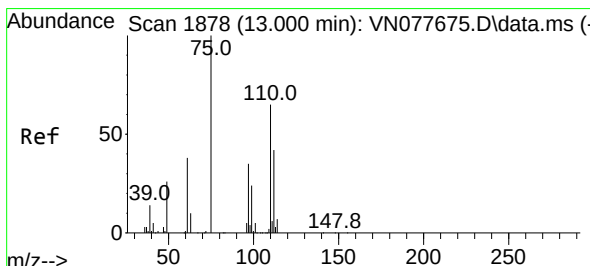
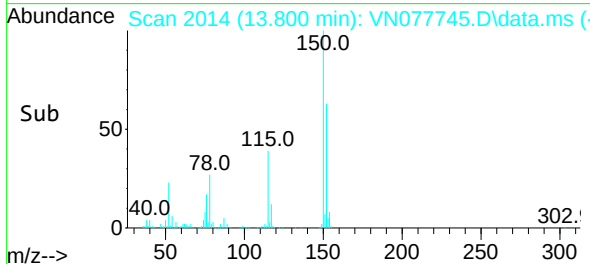
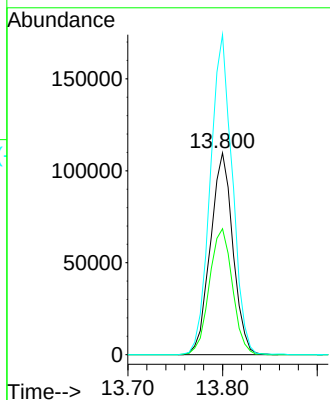
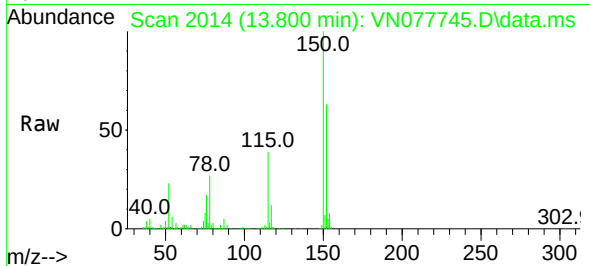




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN077745.D
 Acq: 18 May 2023 18:40

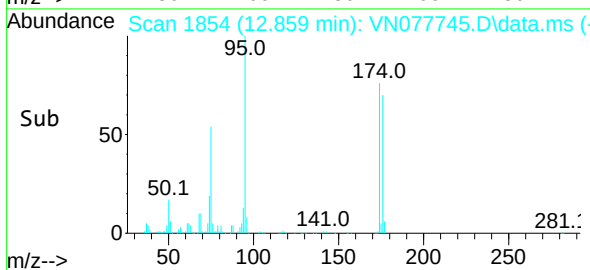
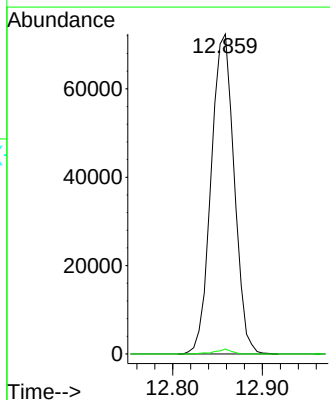
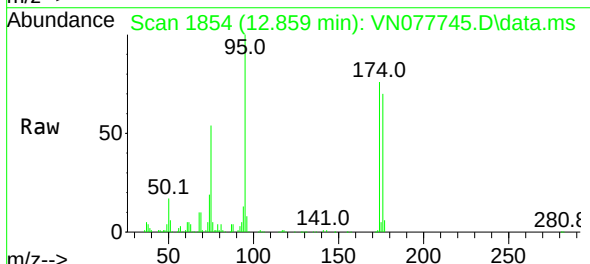
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20230516

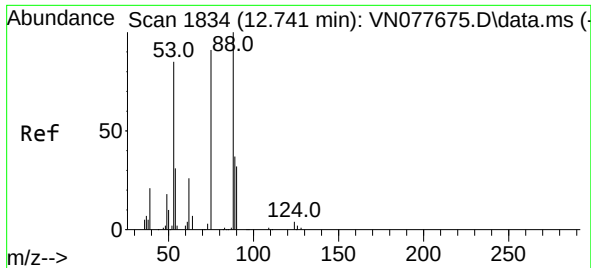
Tgt Ion:152 Resp: 181293
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.3 96.8
 150 155.4 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 28.439 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.141 min
 Lab File: VN077745.D
 Acq: 18 May 2023 18:40

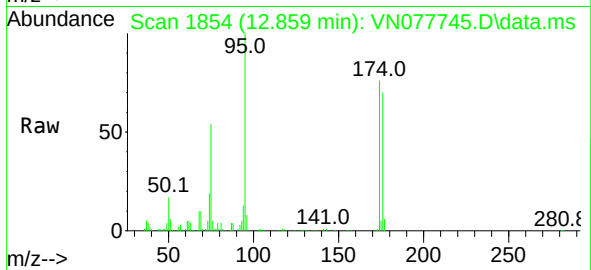
Tgt Ion: 75 Resp: 129120
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.906 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077745.D
Acq: 18 May 2023 18:40

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20230516



Tgt Ion: 75 Resp: 129120
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

