

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077742.D
 Acq On : 18 May 2023 17:30
 Operator : JC\MD
 Sample : 02834-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20230515

Quant Time: May 29 08:53:13 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

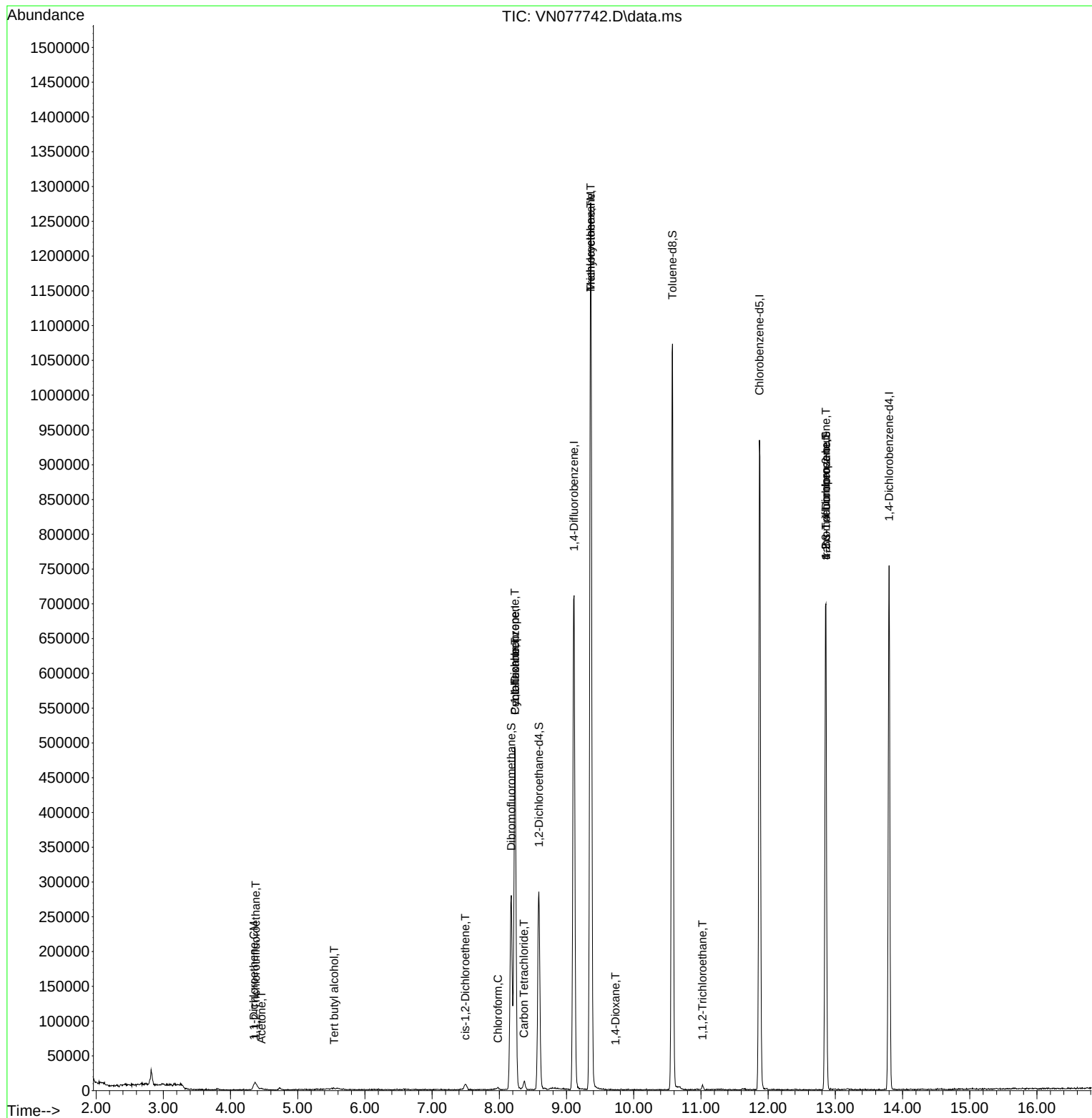
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	350706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	639420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	201601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238207	45.395	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.780%
35) Dibromofluoromethane	8.177	113	201625	48.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.720%
50) Toluene-d8	10.577	98	786153	48.984	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.859	95	256489	45.251	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1720	Below Cal		94
9) 1,1,2-Trichlorotrifluo...	4.377	101	1806	0.465 ug/l #		52
11) Tert butyl alcohol	5.542	59	447	0.617 ug/l #		72
12) 1,1-Dichloroethene	4.348	96	4957	1.344 ug/l #		91
13) Acrolein	4.201	56	310	Below Cal #		71
16) Acetone	4.459	43	2698	1.634 ug/l #		87
20) Methylene Chloride	5.295	84	85	Below Cal #		13
27) cis-1,2-Dichloroethene	7.494	96	5113	1.029 ug/l		98
30) Chloroform	7.977	83	2959	0.346 ug/l		88
31) Cyclohexane	8.236	56	9156	1.284 ug/l #		25
36) 1,1-Dichloropropene	8.230	75	30787	5.048 ug/l #		48
38) Carbon Tetrachloride	8.365	117	8659	1.406 ug/l #		83
39) Methylcyclohexane	9.359	83	5732	0.768 ug/l #		1
44) Trichloroethene	9.359	130	451985	99.185 ug/l		96
49) 1,4-Dioxane	9.730	88	131	1.648 ug/l #		30
55) 1,1,2-Trichloroethane	11.024	97	2174	0.489 ug/l #		91
76) 1,2,3-Trichloropropane	12.859	75	136532	27.042 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	136532	86.442 ug/l #		15

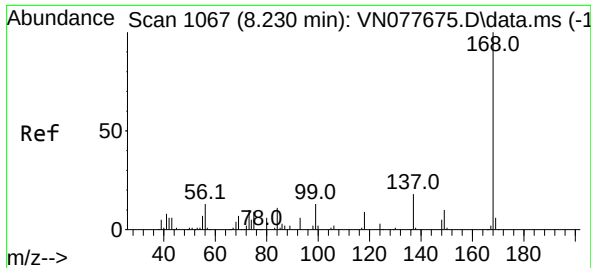
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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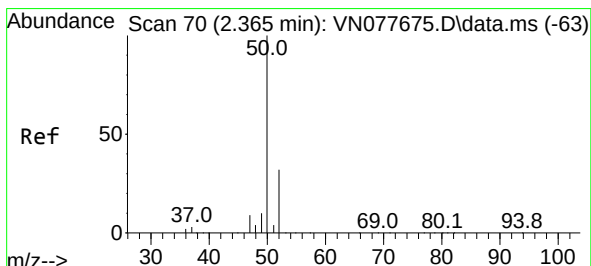
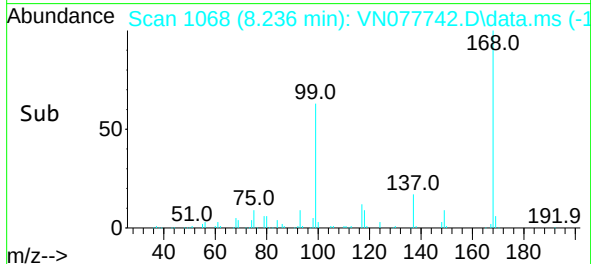
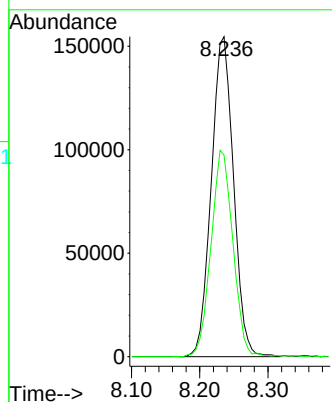
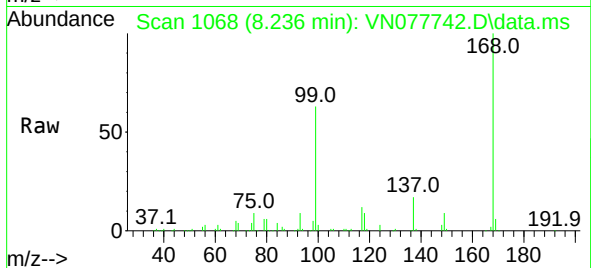




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

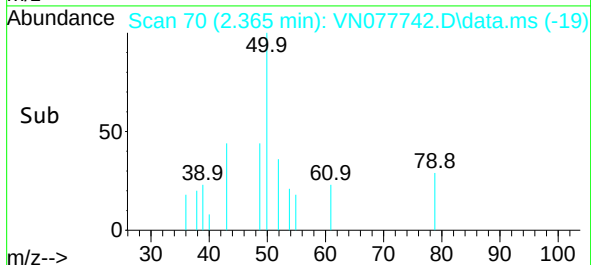
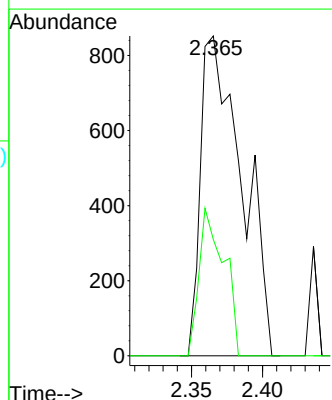
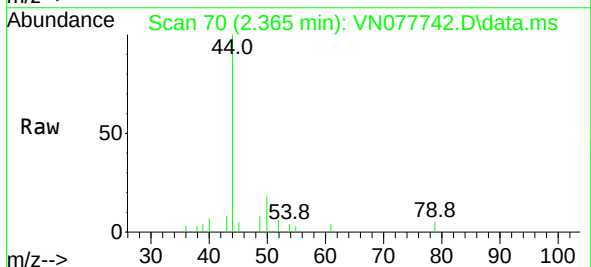
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

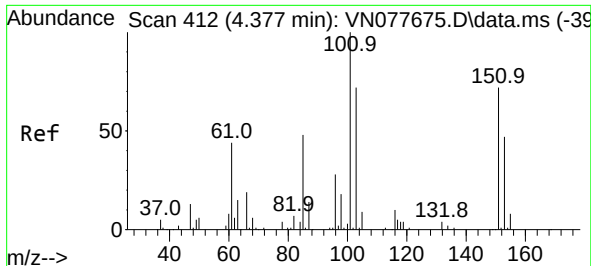
Tgt Ion:168 Resp: 350706
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 50 Resp: 1720
Ion Ratio Lower Upper
50 100
52 36.4 26.5 39.7

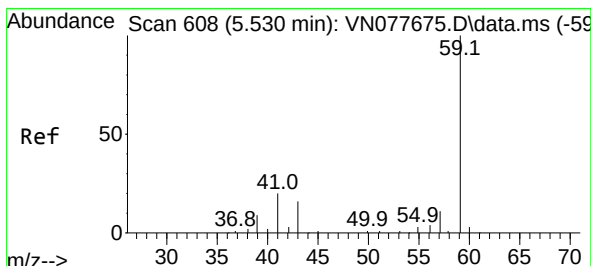
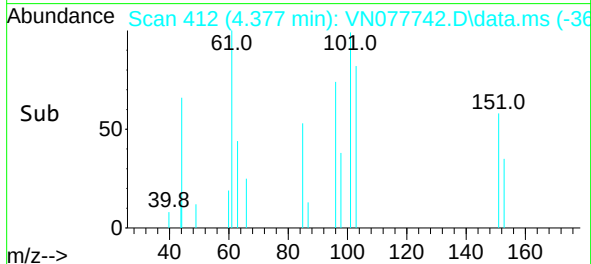
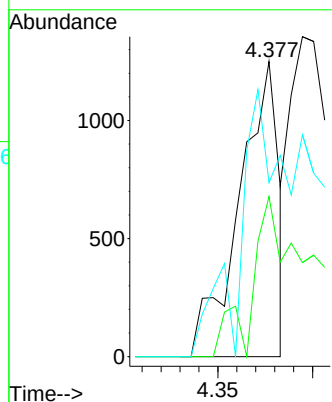
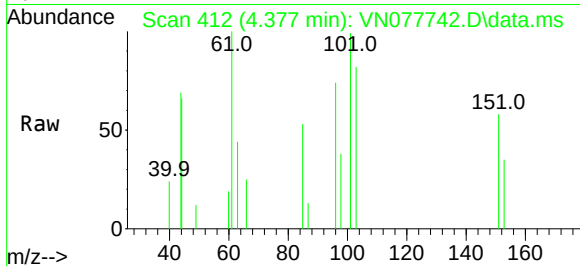




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.465 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.000 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

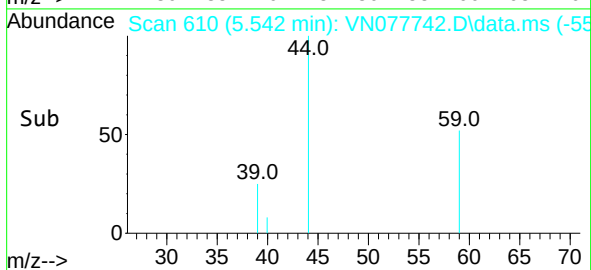
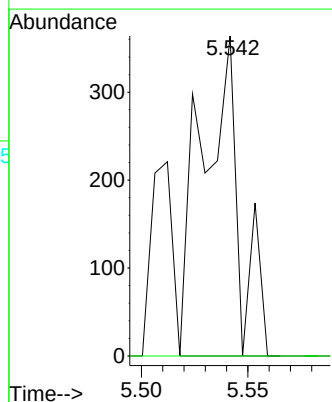
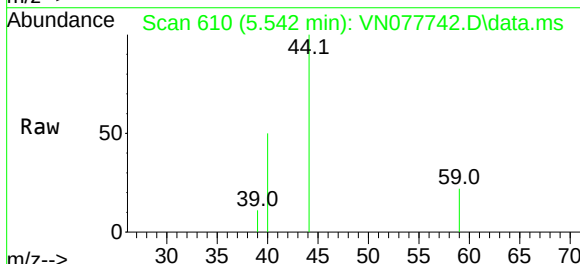
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

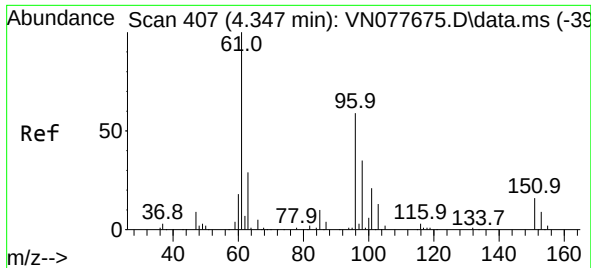
Tgt Ion:101 Resp: 1806
Ion Ratio Lower Upper
101 100
85 90.9 36.6 55.0#
151 100.5 57.6 86.4#



#11
Tert butyl alcohol
Concen: 0.617 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

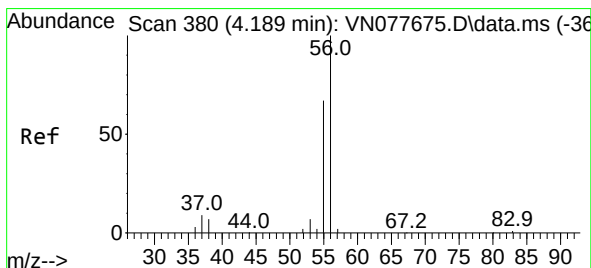
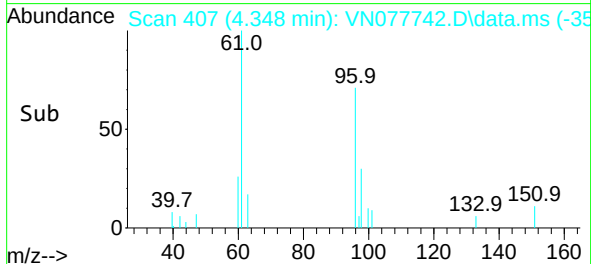
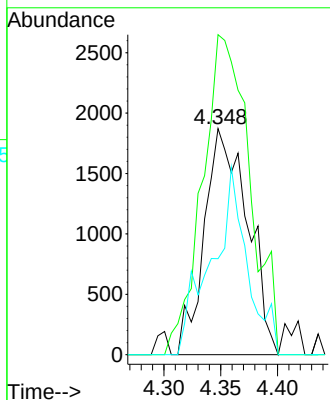
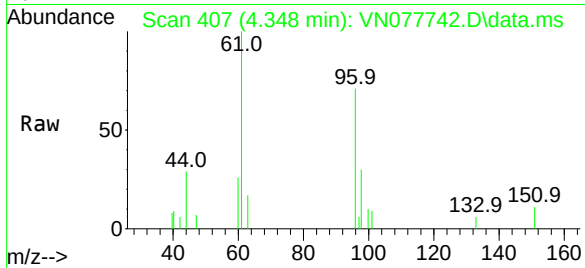




#12
1,1-Dichloroethene
Concen: 1.344 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

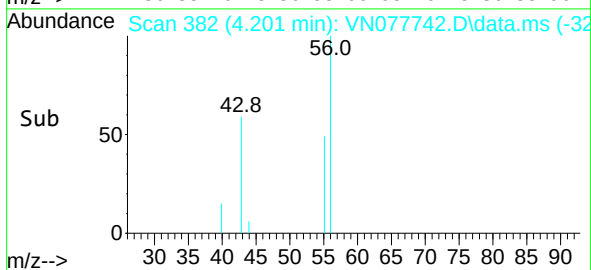
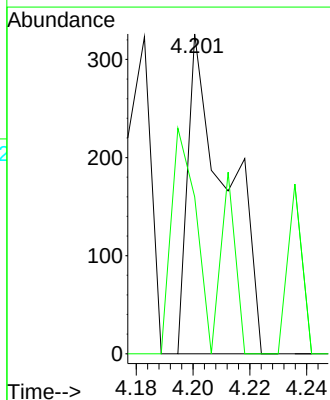
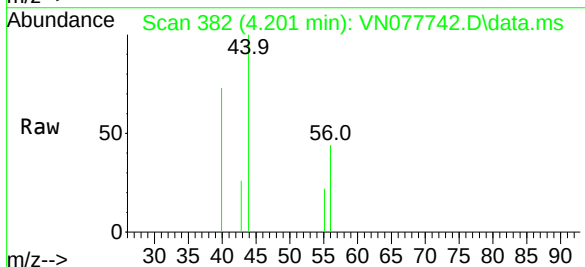
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

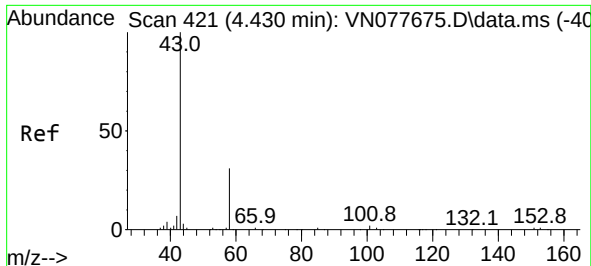
Tgt Ion: 96 Resp: 4957
Ion Ratio Lower Upper
96 100
61 141.5 112.7 169.1
98 42.5 51.2 76.8#



#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 56 Resp: 310
Ion Ratio Lower Upper
56 100
55 44.5 54.5 81.7#

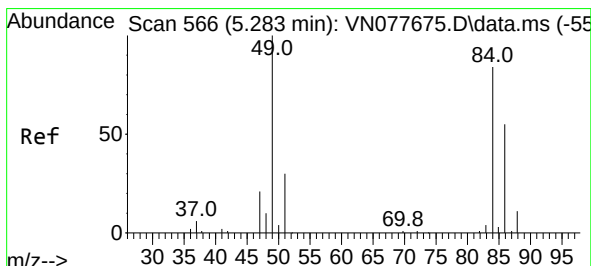
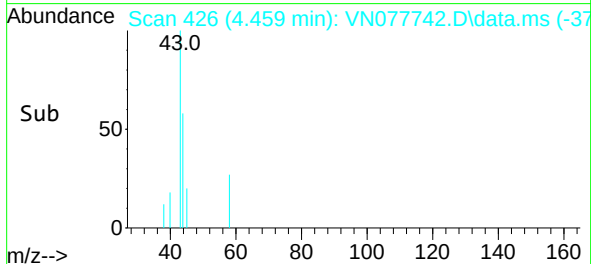
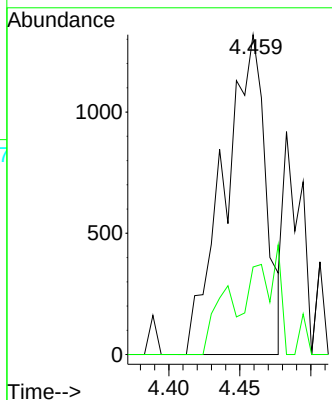
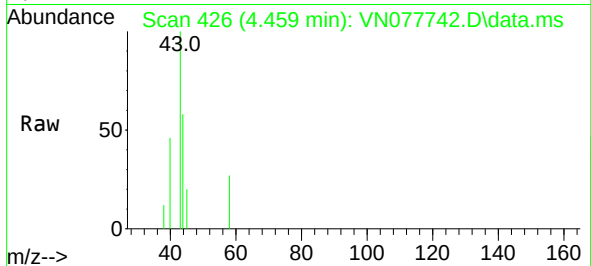




#16
Acetone
Concen: 1.634 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

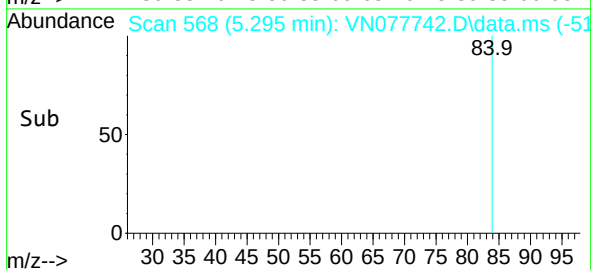
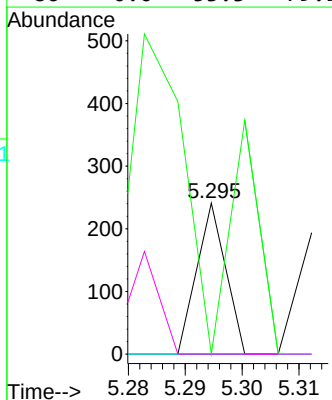
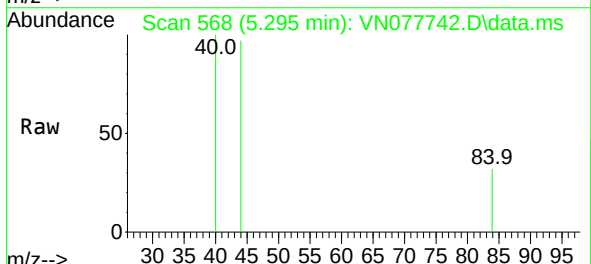
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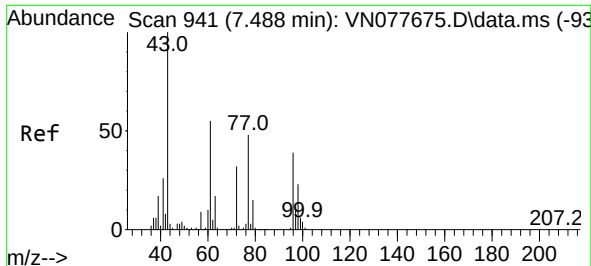
Tgt Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
58 27.4 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 84 Resp: 85
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

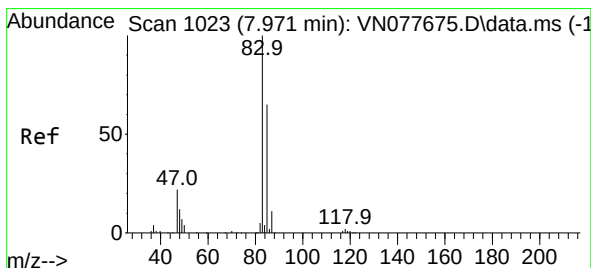
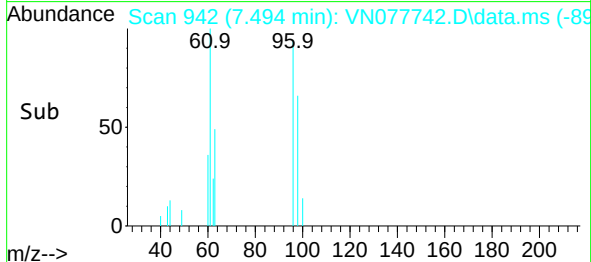
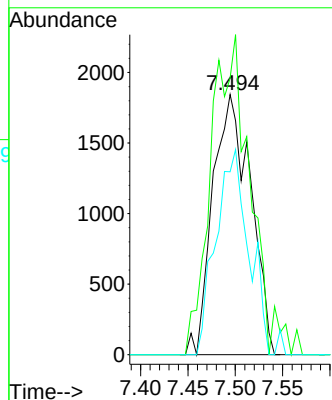
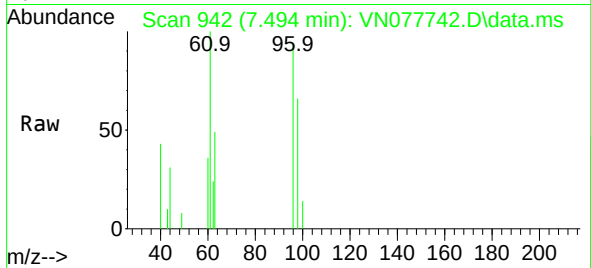




#27
 cis-1,2-Dichloroethene
 Concen: 1.029 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN077742.D
 Acq: 18 May 2023 17:30

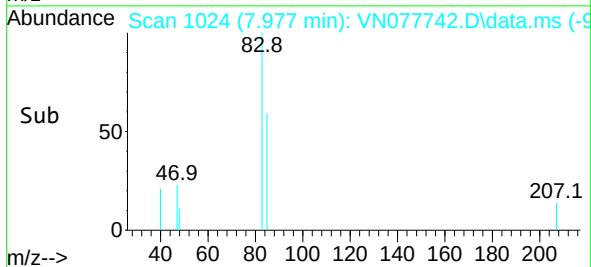
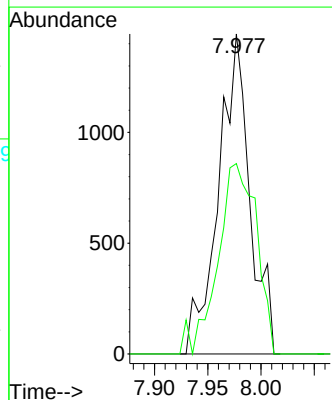
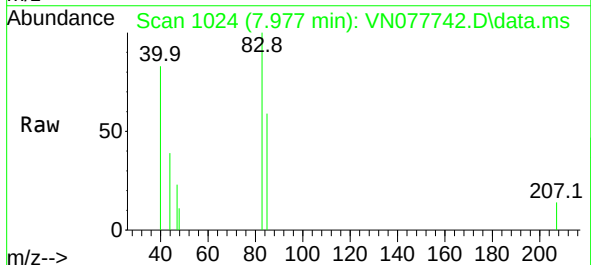
Instrument :
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 ClientSampleId :
 RE117D1-20230515

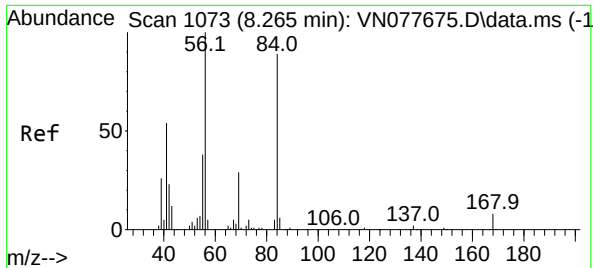
Tgt Ion: 96 Resp: 5113
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 255.2
 98 68.6 0.0 128.8



#30
 Chloroform
 Concen: 0.346 ug/l
 RT: 7.977 min Scan# 1024
 Delta R.T. 0.006 min
 Lab File: VN077742.D
 Acq: 18 May 2023 17:30

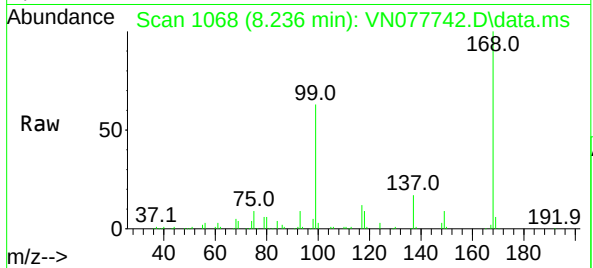
Tgt Ion: 83 Resp: 2959
 Ion Ratio Lower Upper
 83 100
 85 59.5 55.4 83.0



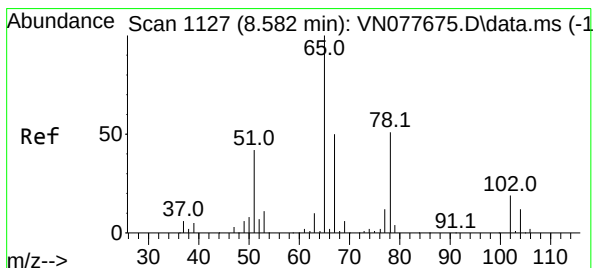
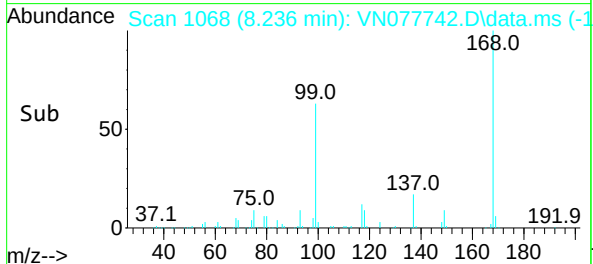
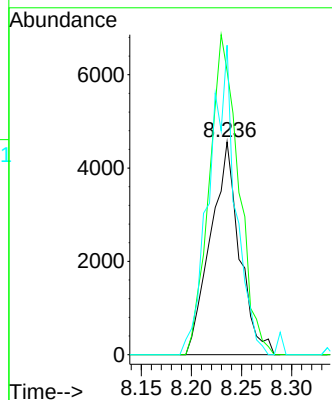


#31
Cyclohexane
Concen: 1.284 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Instrument :
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RE117D1-20230515

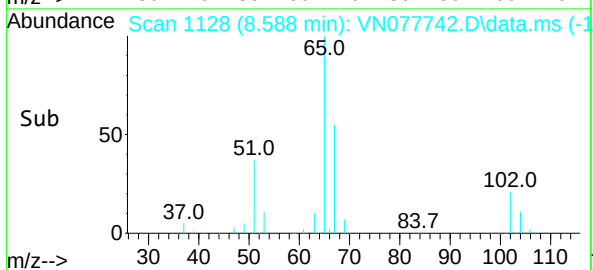
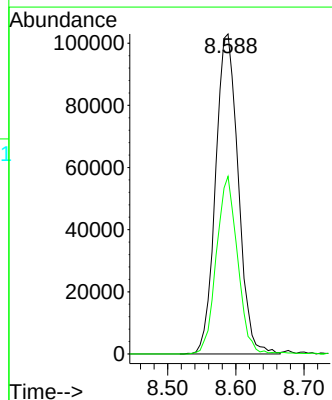
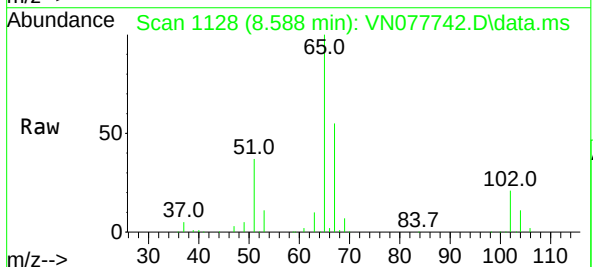


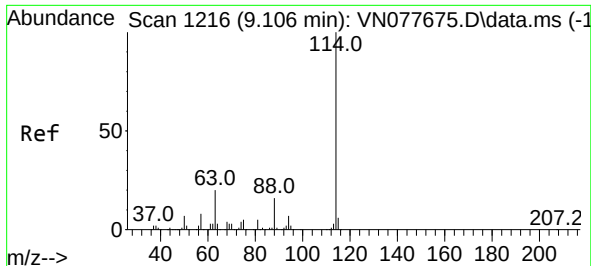
Tgt Ion: 56 Resp: 9156
Ion Ratio Lower Upper
56 100
69 133.3 26.8 40.2#
84 145.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.395 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 65 Resp: 238207
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6

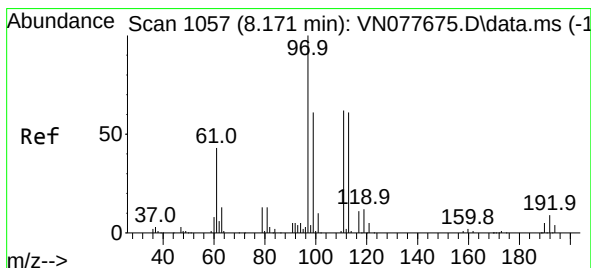
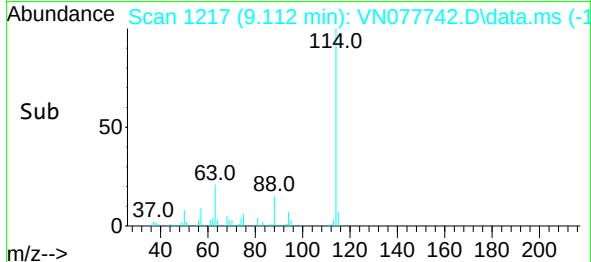
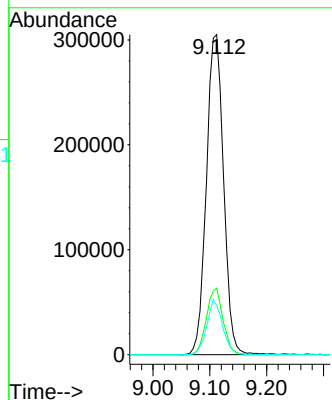
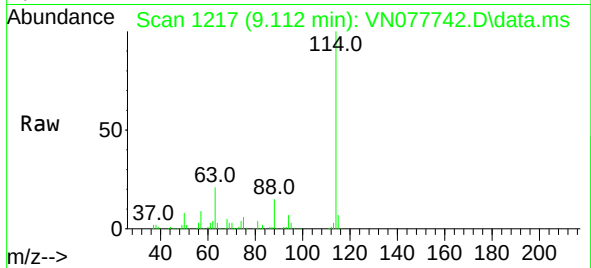




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

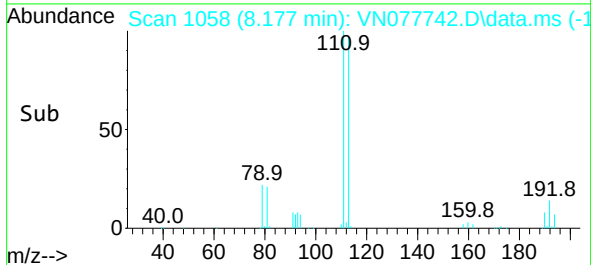
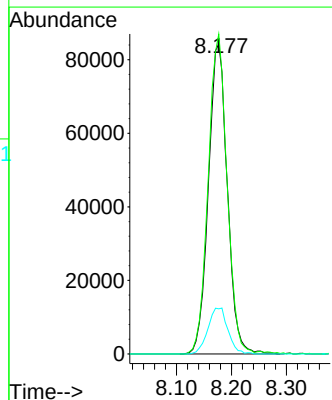
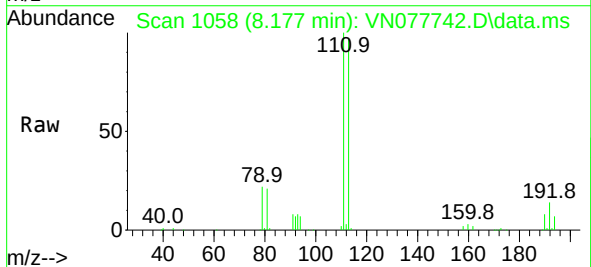
Instrument :
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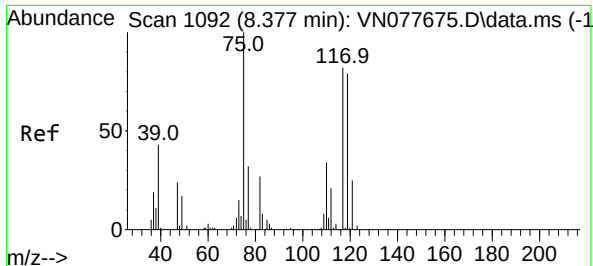
Tgt Ion:114 Resp: 639420
Ion Ratio Lower Upper
114 100
63 20.8 0.0 36.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.356 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

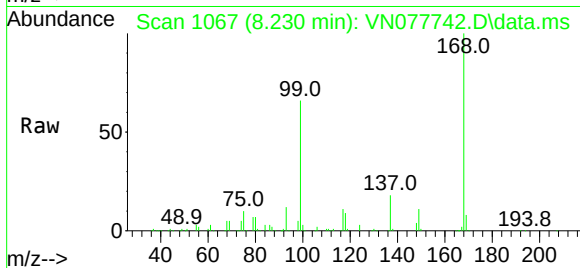
Tgt Ion:113 Resp: 201625
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 15.6 12.7 19.1



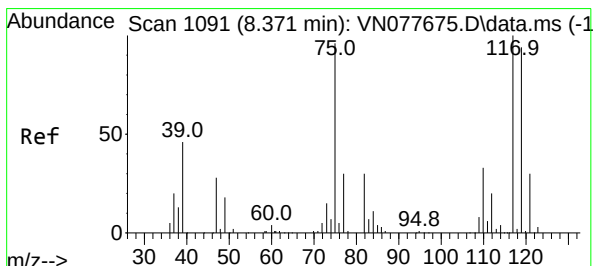
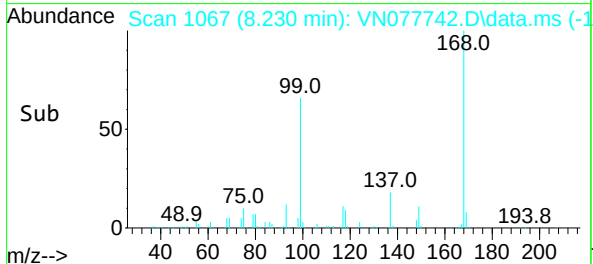
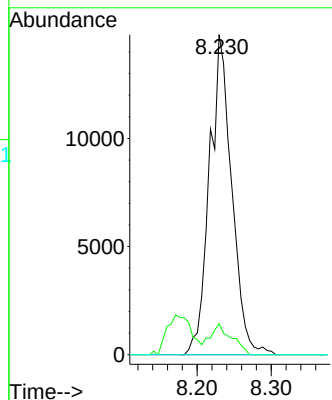


#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

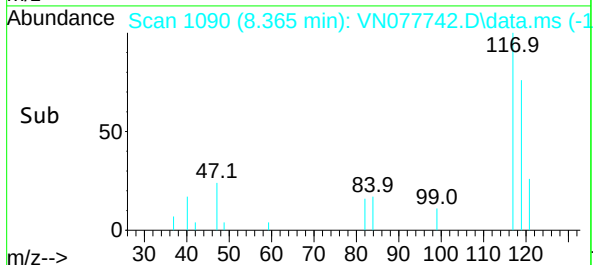
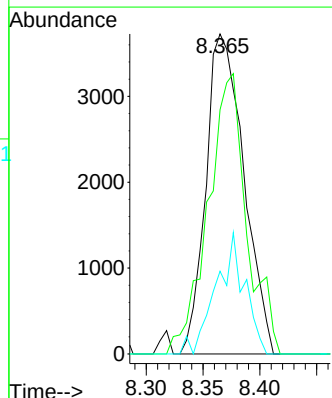
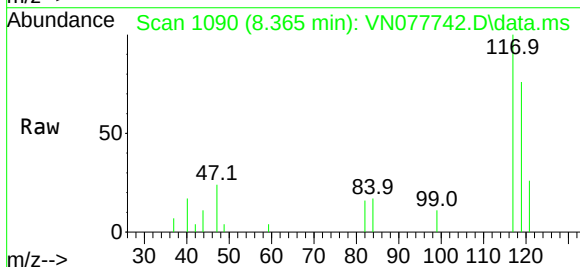


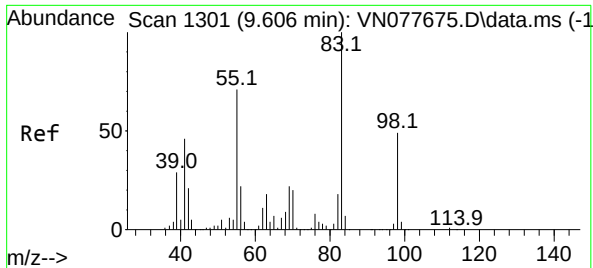
Tgt Ion: 75 Resp: 30787
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 1.406 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 117 Resp: 8659
Ion Ratio Lower Upper
117 100
119 76.3 77.3 115.9#
121 25.8 23.3 34.9





#39

Methylcyclohexane

Concen: 0.768 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.247 min

Lab File: VN077742.D

Acq: 18 May 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20230515

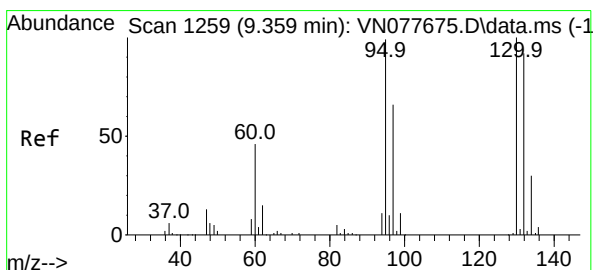
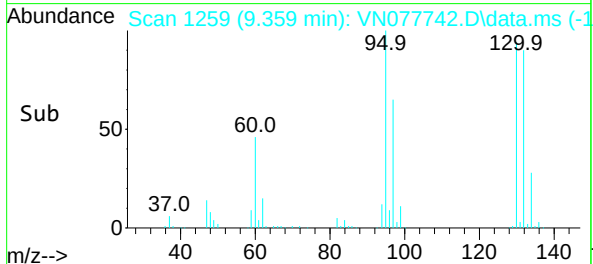
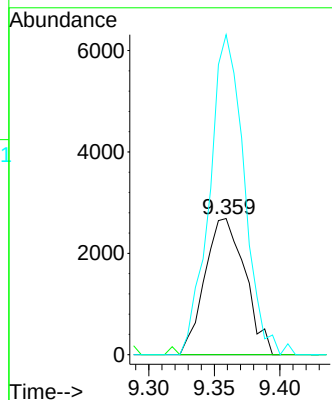
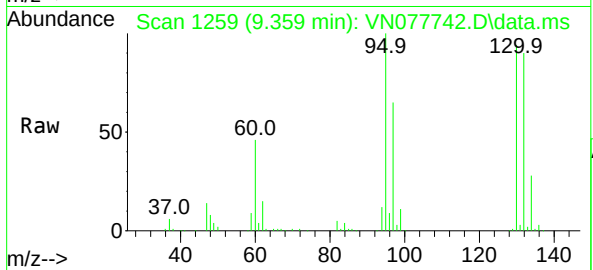
Tgt Ion: 83 Resp: 5732

Ion Ratio Lower Upper

83 100

55 0.0 49.1 73.7#

98 234.9 40.6 61.0#



#44

Trichloroethene

Concen: 99.185 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN077742.D

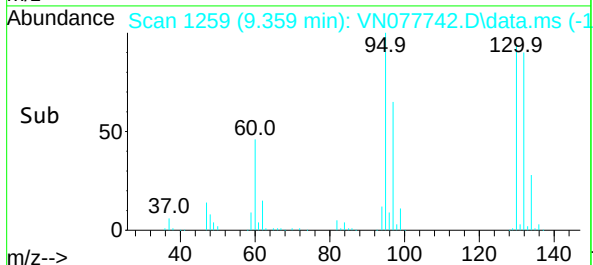
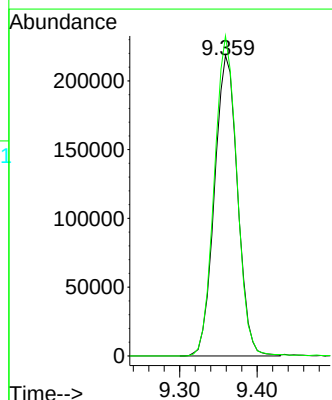
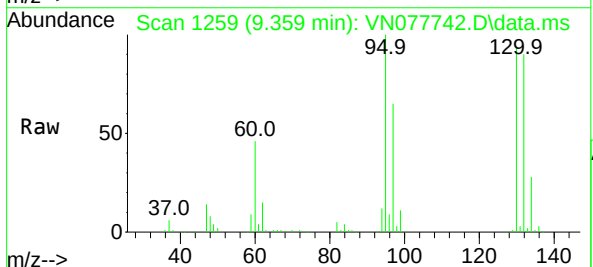
Acq: 18 May 2023 17:30

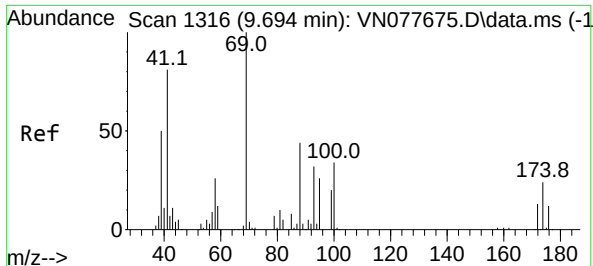
Tgt Ion:130 Resp: 451985

Ion Ratio Lower Upper

130 100

95 106.5 0.0 204.6

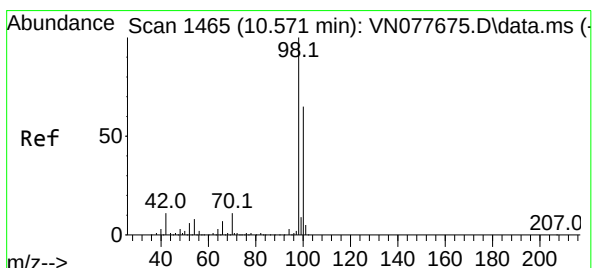
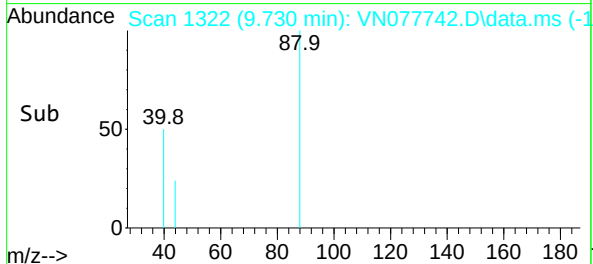
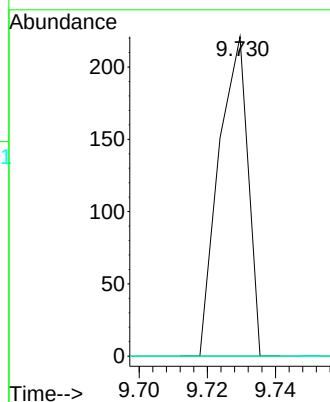
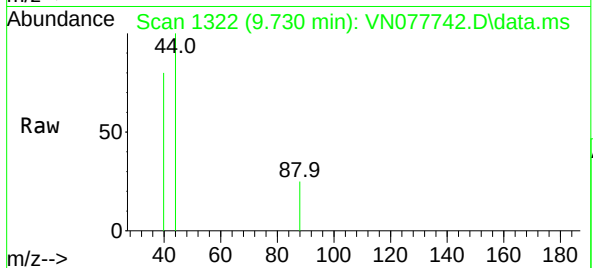




#49
1,4-Dioxane
Concen: 1.648 ug/l
RT: 9.730 min Scan# 1316
Delta R.T. 0.036 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

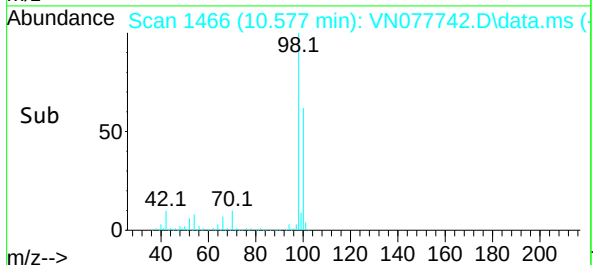
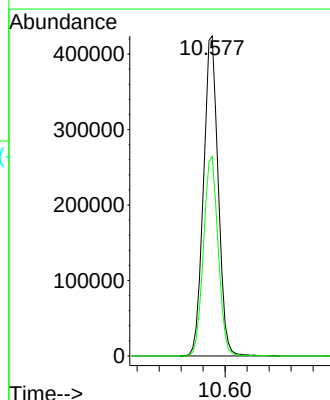
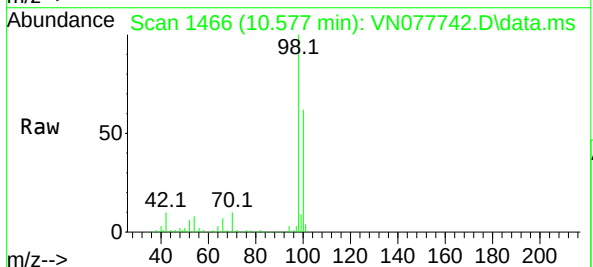
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

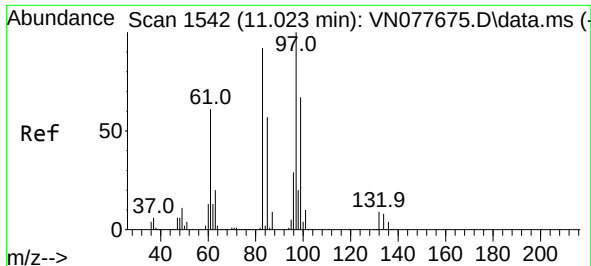
Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 48.984 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 98 Resp: 786153
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0

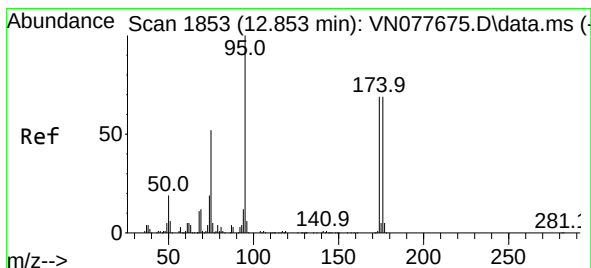
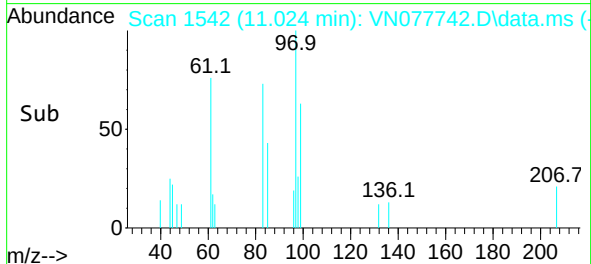
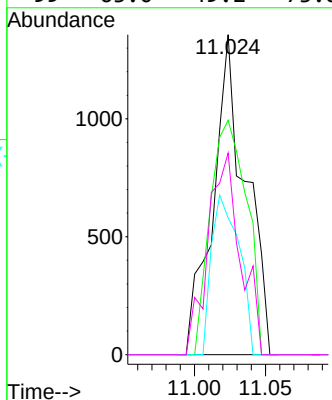
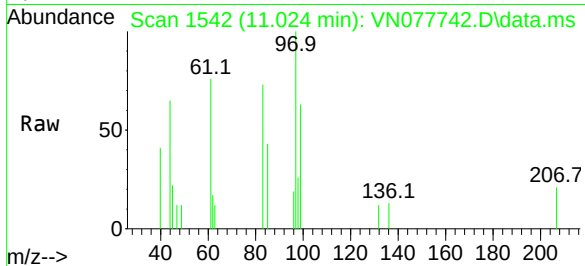




#55
1,1,2-Trichloroethane
Concen: 0.489 ug/l
RT: 11.024 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

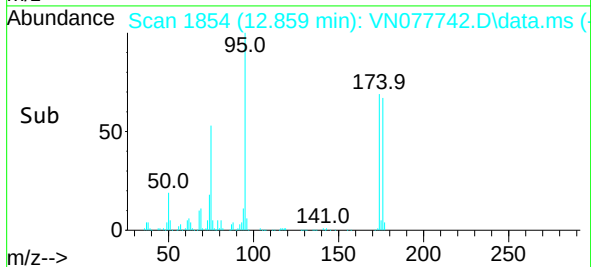
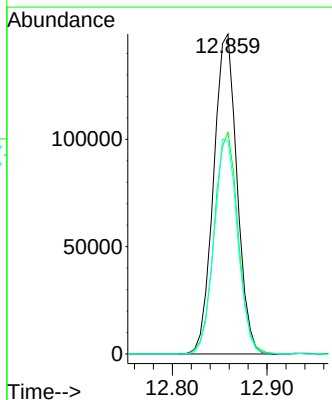
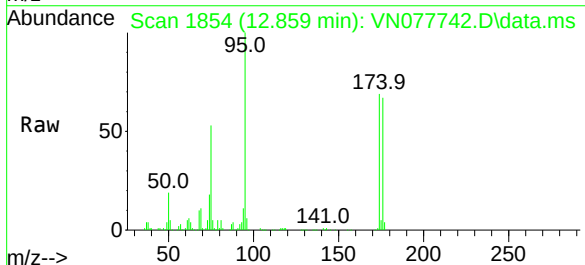
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

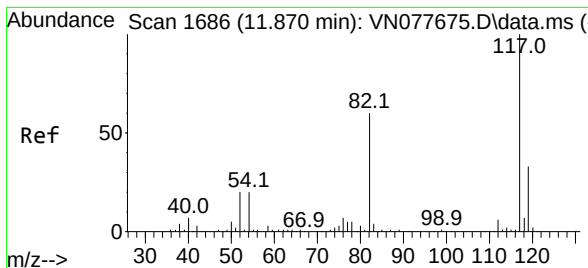
Tgt Ion:	97	Resp:	2174
Ion	Ratio	Lower	Upper
97	100		
83	73.2	65.1	97.7
85	42.7	43.4	65.2#
99	63.0	49.2	73.8



#62
4-Bromofluorobenzene
Concen: 45.251 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion:	95	Resp:	256489
Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	143.8
176	68.1	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: VN077742.D

Acq: 18 May 2023 17:30

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20230515

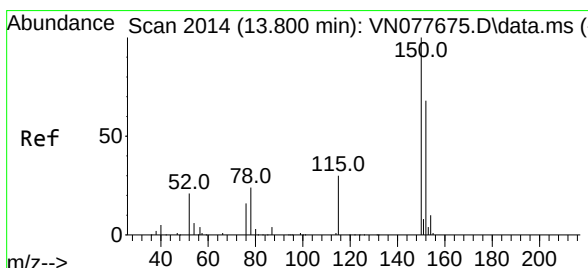
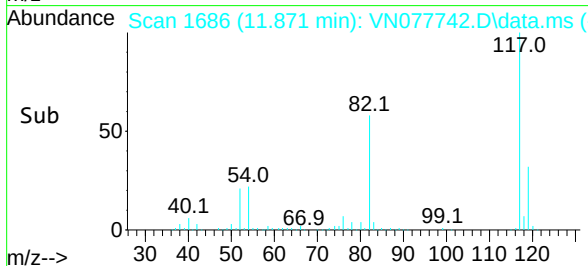
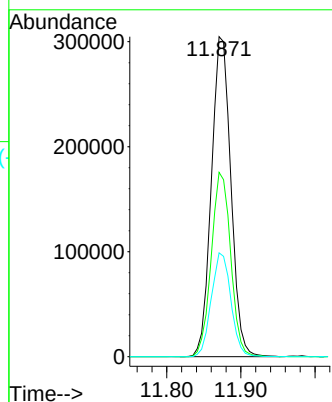
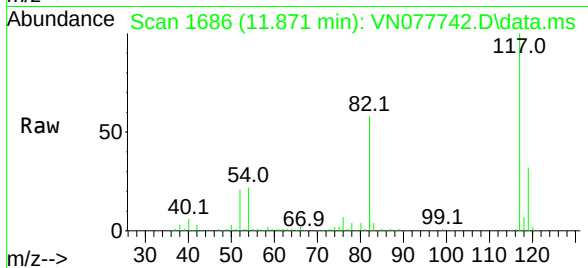
Tgt Ion:117 Resp: 556584

Ion Ratio Lower Upper

117 100

82 57.6 44.0 66.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077742.D

Acq: 18 May 2023 17:30

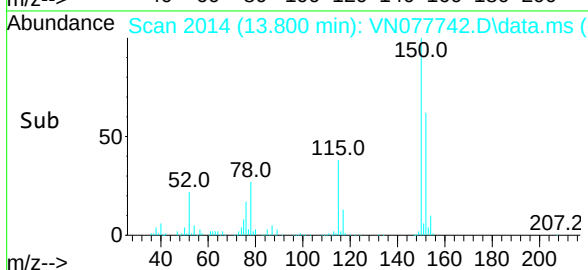
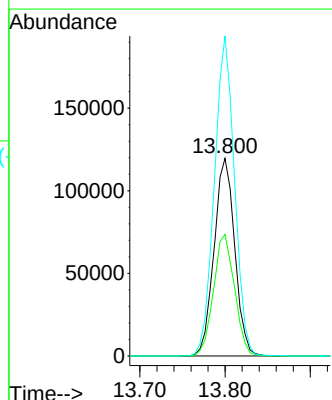
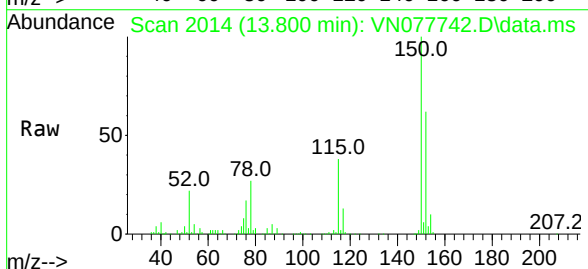
Tgt Ion:152 Resp: 201601

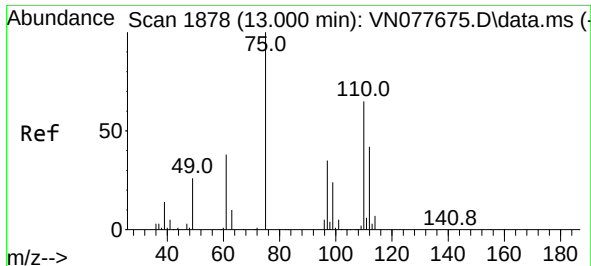
Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 157.5 0.0 355.8

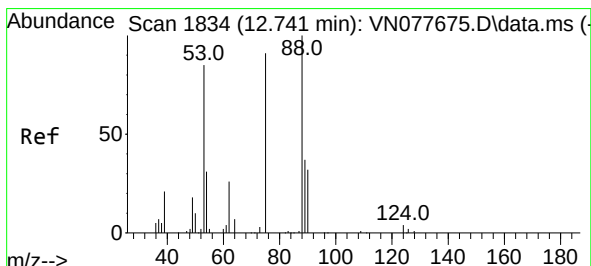
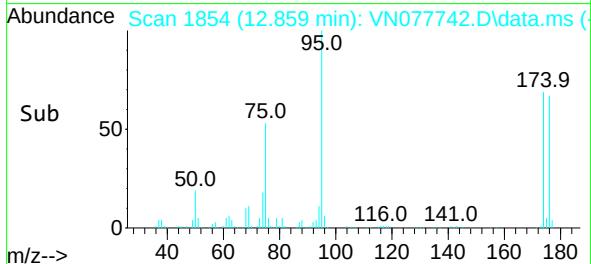
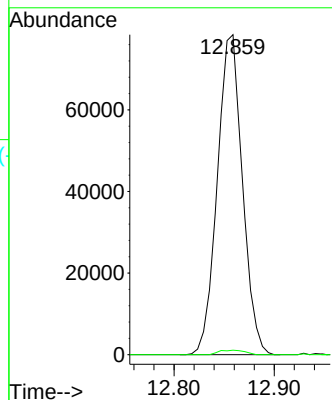
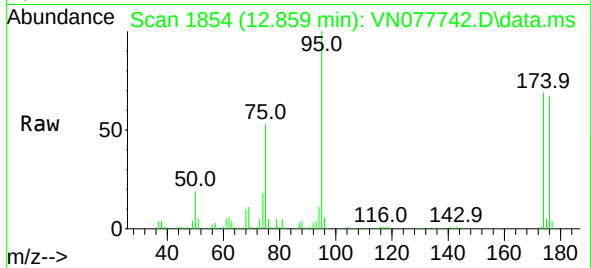




#76
1,2,3-Trichloropropane
Concen: 27.042 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20230515

Tgt Ion: 75 Resp: 136532
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.442 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077742.D
Acq: 18 May 2023 17:30

Tgt Ion: 75 Resp: 136532
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

