

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076456.D
 Acq On : 30 Jan 2023 14:53
 Operator : JC\MD
 Sample : PB150523ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:39:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

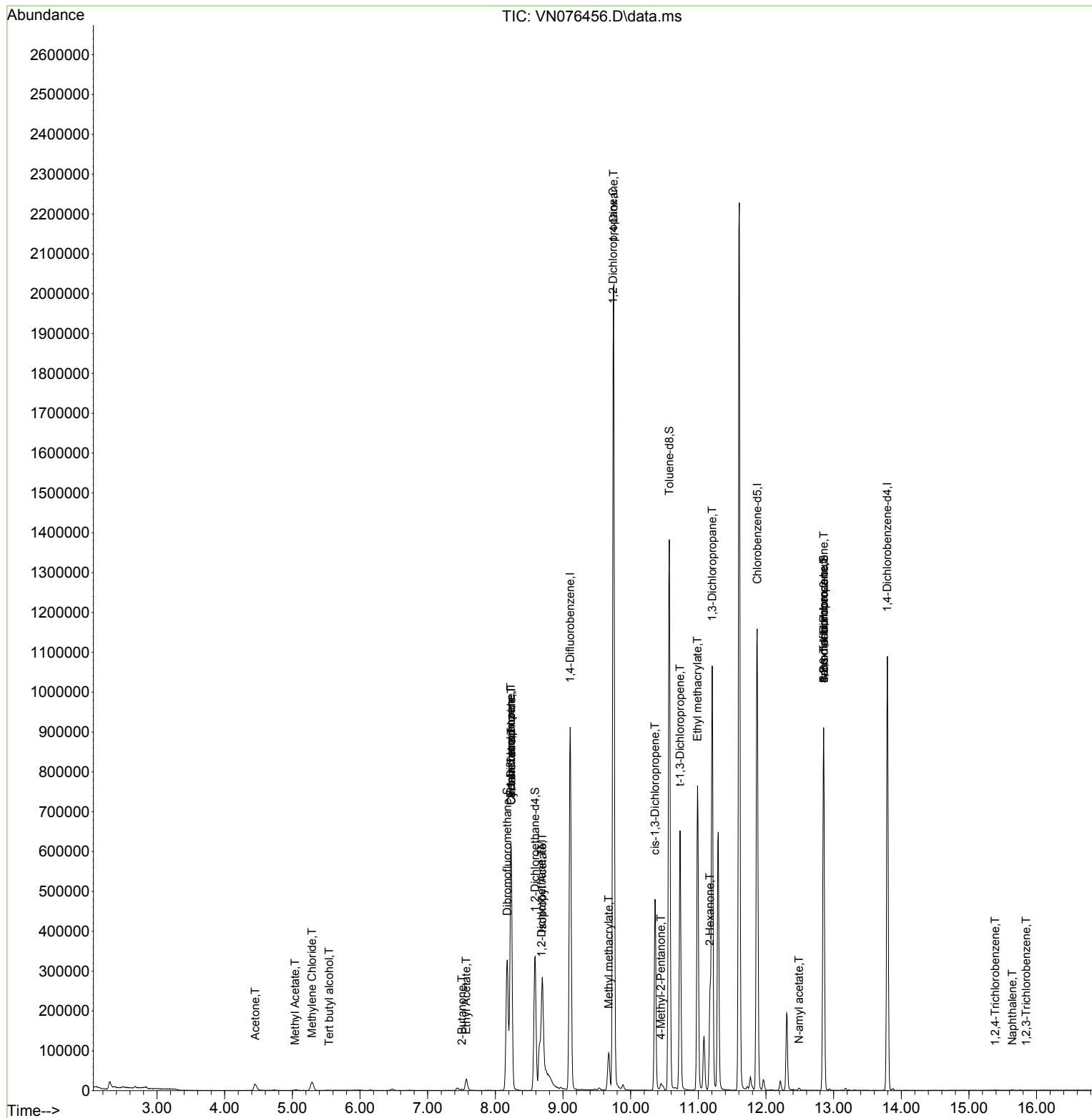
Internal Standards						
1) Pentafluorobenzene	8.230	168	456079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	809078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	692319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	286625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	286339	56.072	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.140%			
35) Dibromofluoromethane	8.177	113	237273	46.882	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.760%			
50) Toluene-d8	10.571	98	965672	51.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.853	95	301797	49.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.920%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	430	0.630	ug/l #	72
16) Acetone	4.453	43	32021	19.493	ug/l	92
18) Methyl Acetate	5.042	43	2049	0.369	ug/l #	82
20) Methylene Chloride	5.289	84	17570	3.062	ug/l	97
25) 2-Butanone	7.506	43	4935	1.974	ug/l #	87
31) Cyclohexane	8.235	56	9458	1.206	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	37790	5.255	ug/l #	47
37) Ethyl Acetate	7.571	43	41993	7.311	ug/l	99
38) Carbon Tetrachloride	8.235	117	47965	5.981	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1897	0.258	ug/l #	73
43) Isopropyl Acetate	8.694	43	482961	51.466	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	2405	0.467	ug/l #	42
48) Methyl methacrylate	9.677	41	5642	1.270	ug/l #	35
49) 1,4-Dioxane	9.747	88	302	3.222	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18466	3.352	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1904	0.265	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	91907	11.115	ug/l #	61
56) Ethyl methacrylate	10.988	69	2666	0.376	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11982	1.341	ug/l #	42
59) 2-Hexanone	11.171	43	212211	53.159	ug/l #	21
71) Bromoform	12.853	173	1817	0.462	ug/l #	1
74) N-amyl acetate	12.488	43	2952	0.463	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	164536	31.154	ug/l #	1
77) Bromobenzene	12.970	156	60	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	164536	95.511	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.388	180	256	1.355	ug/l	74
95) Naphthalene	15.641	128	1640	1.945	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.847	180	306	1.216	ug/l #	48

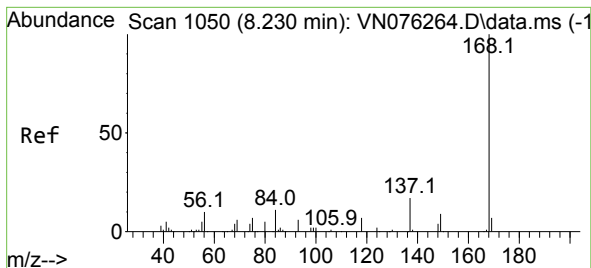
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
Data File : VN076456.D
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Sample : PB150523ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
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Quant Time: Jan 31 00:39:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

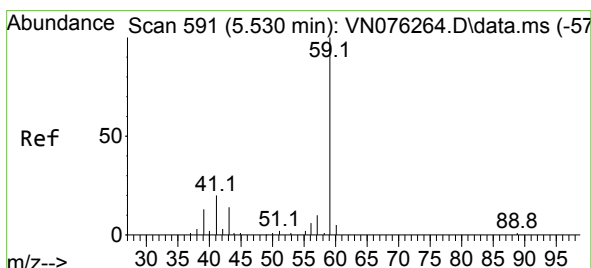
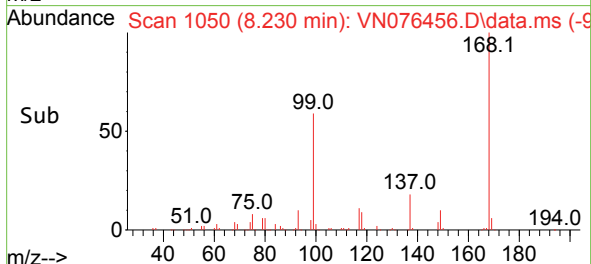
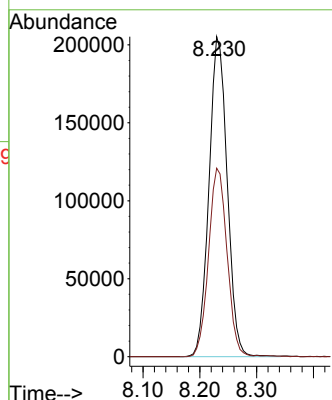
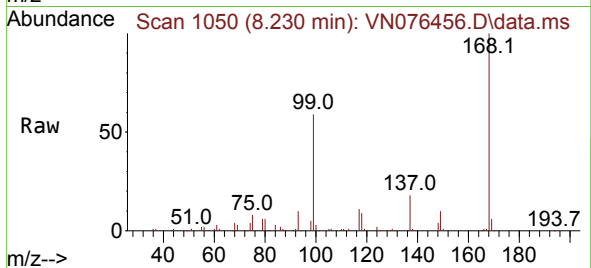
ClientSampleId :

Tgt Ion:168 Resp: 456079

Ion Ratio Lower Upper

168 100

99 58.9 41.6 62.4



#11

Tert butyl alcohol

Concen: 0.630 ug/l

RT: 5.542 min Scan# 593

Delta R.T. 0.011 min

Lab File: VN076456.D

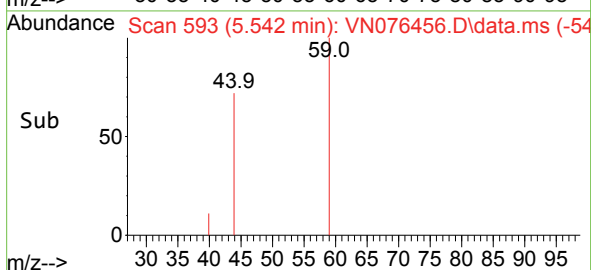
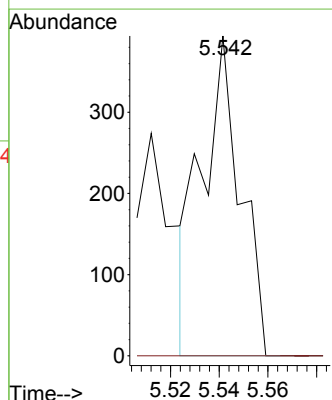
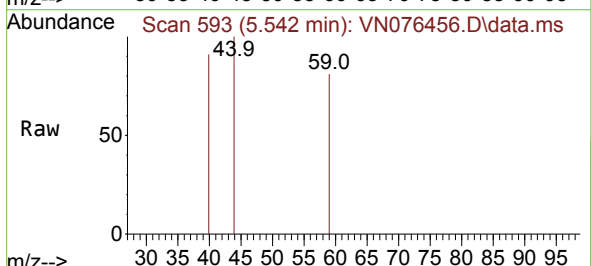
Acq: 30 Jan 2023 14:53

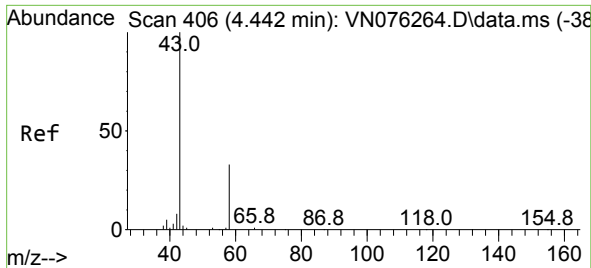
Tgt Ion: 59 Resp: 430

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

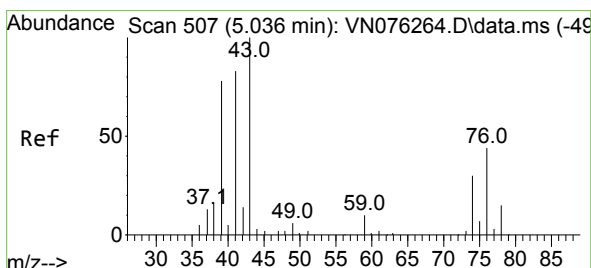
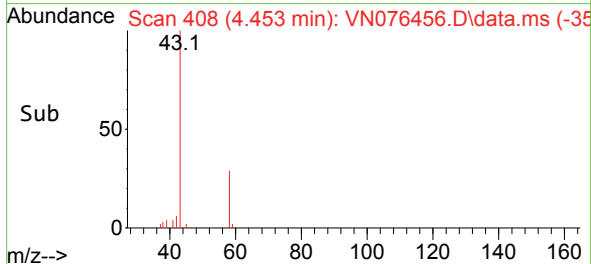
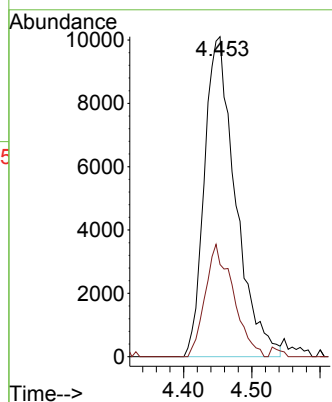
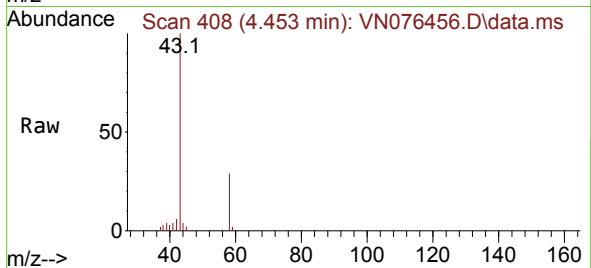




#16
Acetone
Concen: 19.493 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

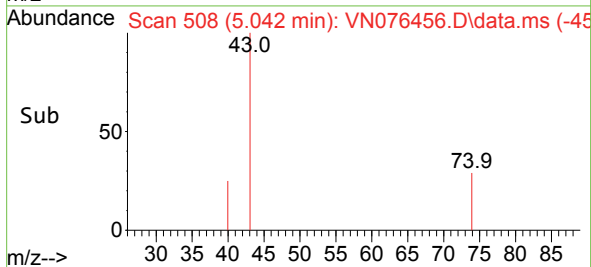
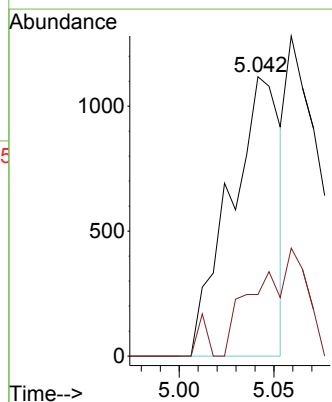
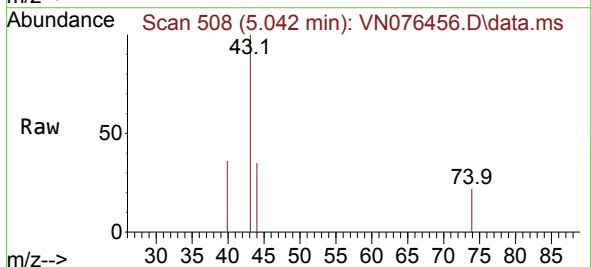
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 32021
Ion Ratio Lower Upper
43 100
58 28.8 26.7 40.1



#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

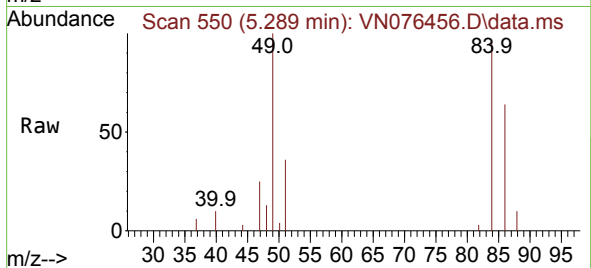
Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
74 38.8 23.3 34.9#



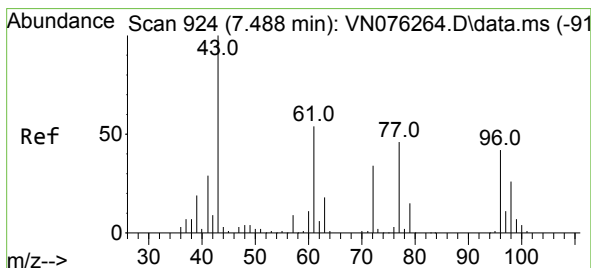
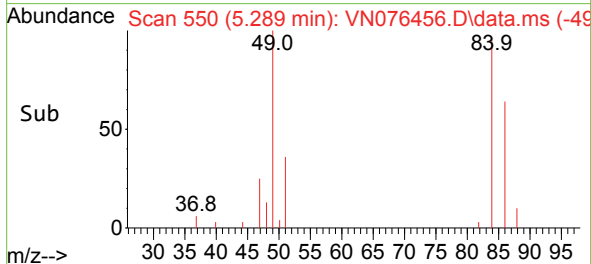
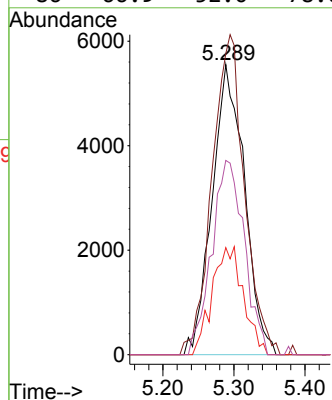


#20
Methylene Chloride
Concen: 3.062 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

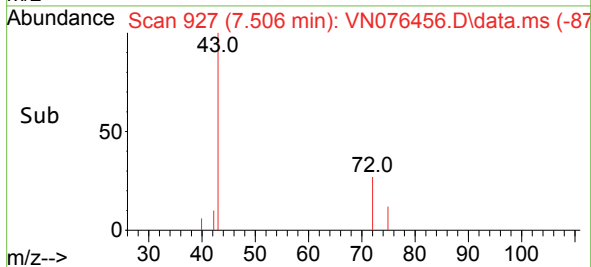
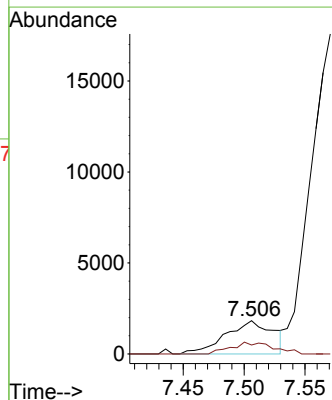
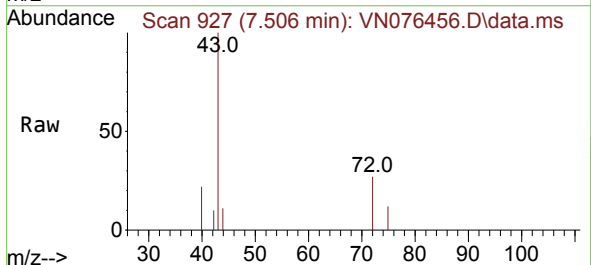


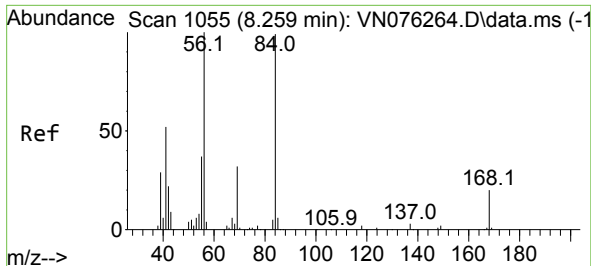
Tgt Ion: 84	Resp: 17570
Ion Ratio	Lower Upper
84 100	
49 103.8	84.5 126.7
51 36.9	26.0 39.0
86 66.9	52.0 78.0



#25
2-Butanone
Concen: 1.974 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

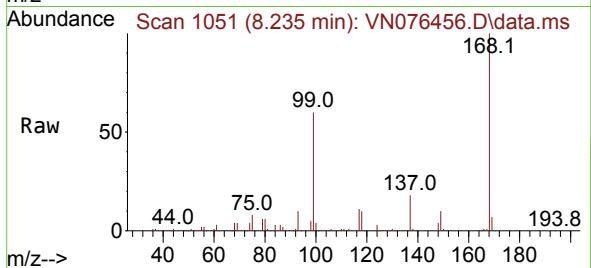
Tgt Ion: 43	Resp: 4935		
Ion Ratio	Lower	Upper	
43 100			
72 26.7	27.4	41.2#	



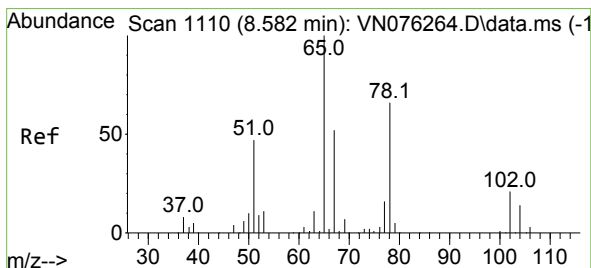
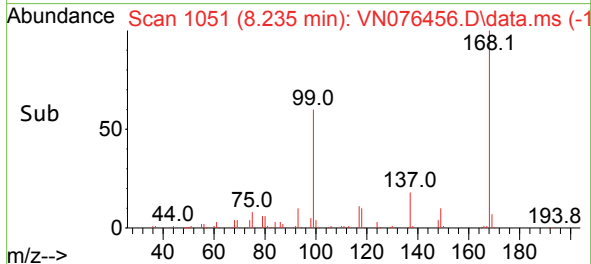
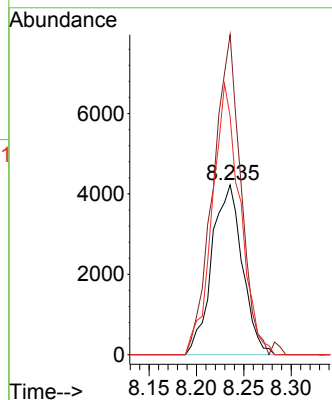


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

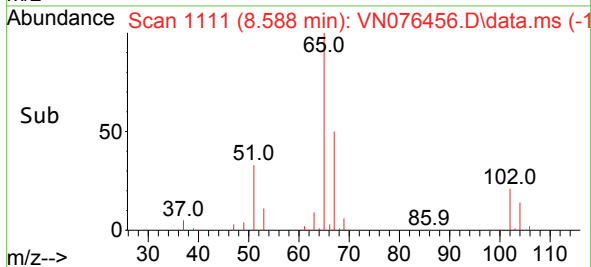
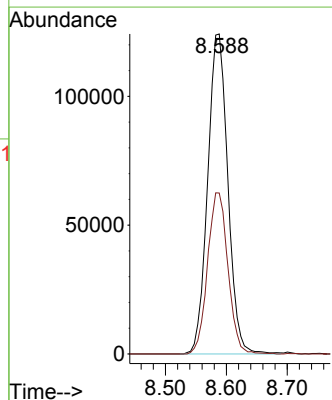
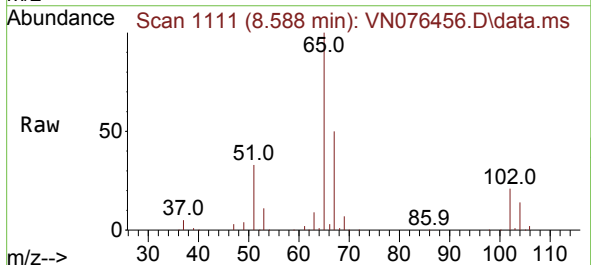


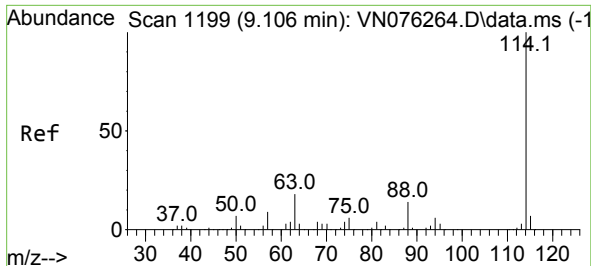
Tgt Ion: 56 Resp: 9458
Ion Ratio Lower Upper
56 100
69 188.4 25.8 38.8#
84 140.4 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 56.072 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Tgt Ion: 65 Resp: 286339
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

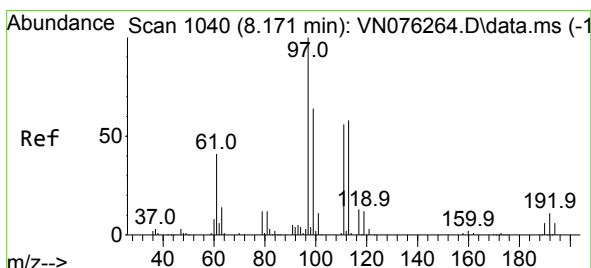
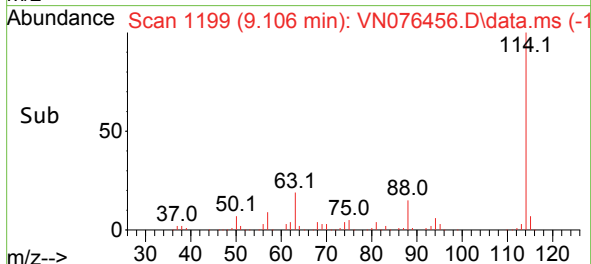
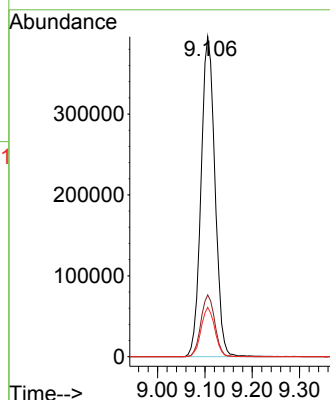
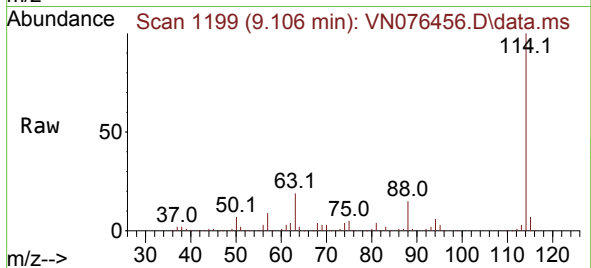
Tgt Ion:114 Resp: 809078

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.8

88 15.4 0.0 28.0



#35

Dibromofluoromethane

Concen: 46.882 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

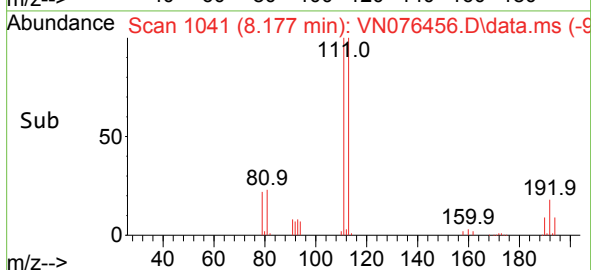
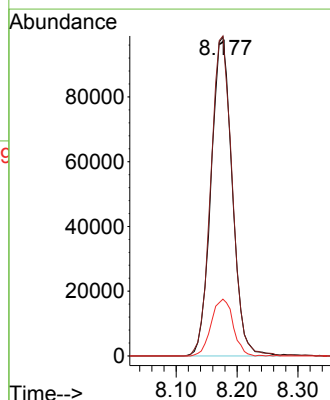
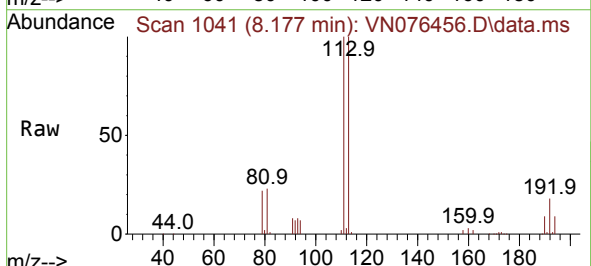
Tgt Ion:113 Resp: 237273

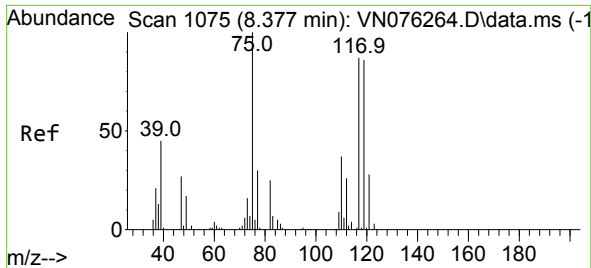
Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

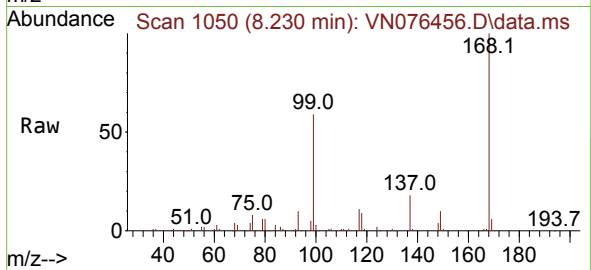
192 18.5 15.6 23.4



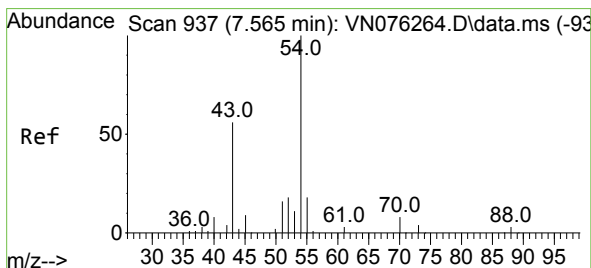
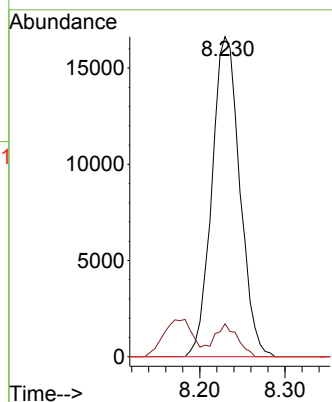
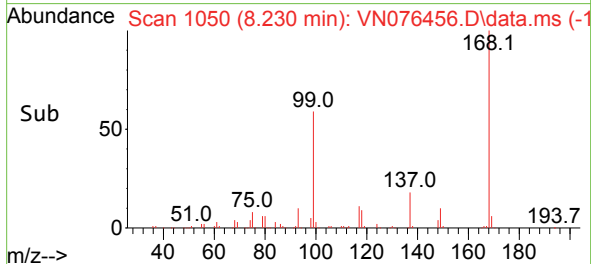


#36
1,1-Dichloropropene
Concen: 5.255 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

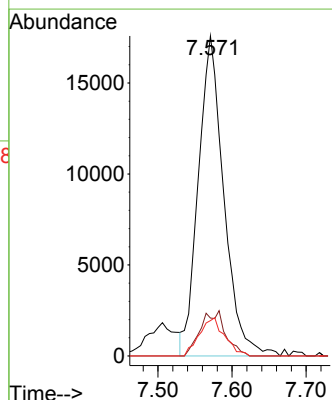
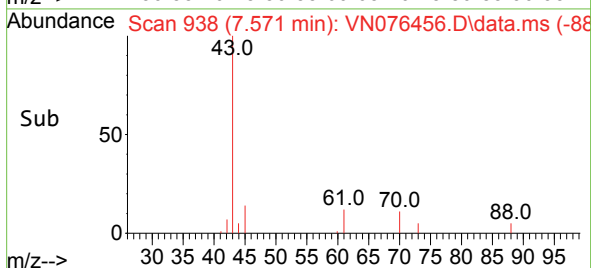
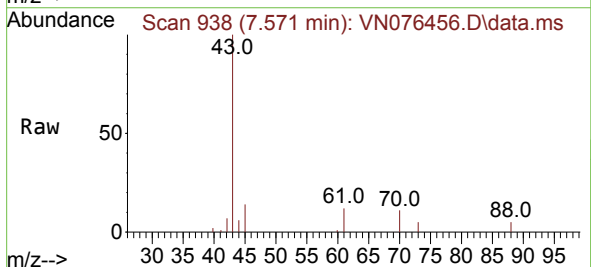


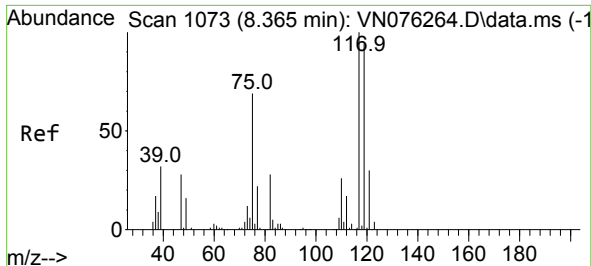
Tgt Ion: 75 Resp: 37790
Ion Ratio Lower Upper
75 100
110 7.7 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.311 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

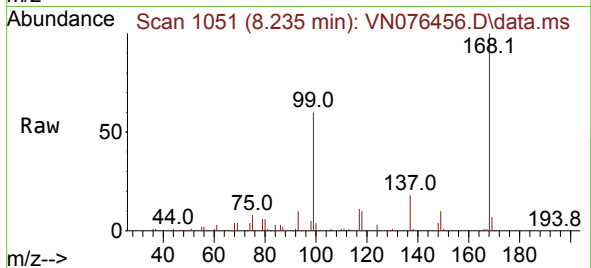
Tgt Ion: 43 Resp: 41993
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 11.8 10.0 15.0



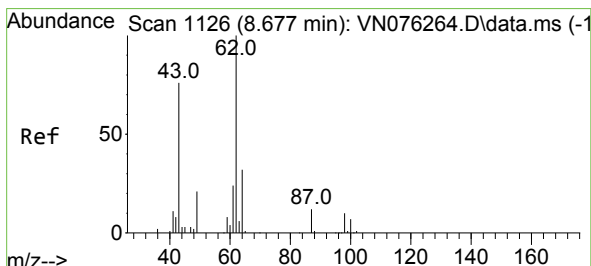
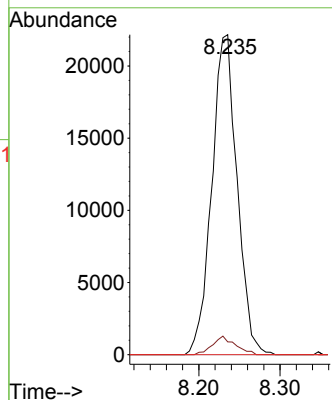
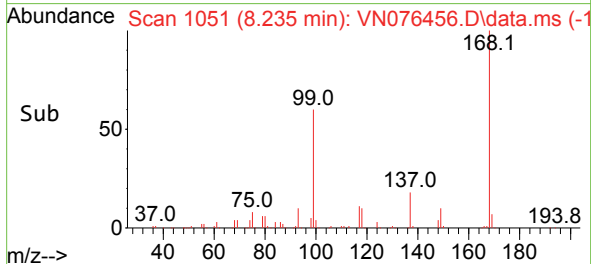


#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

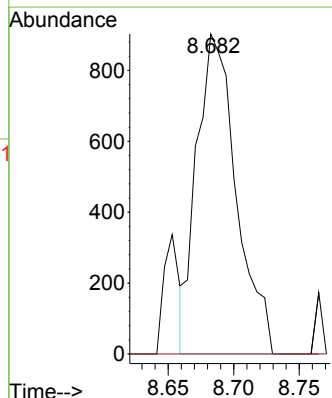
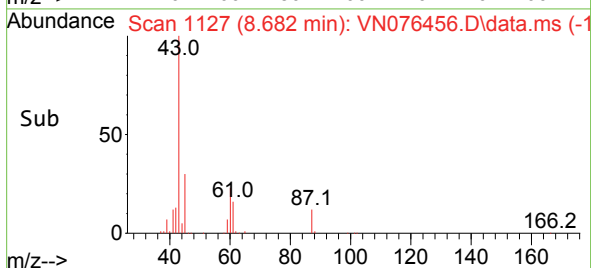
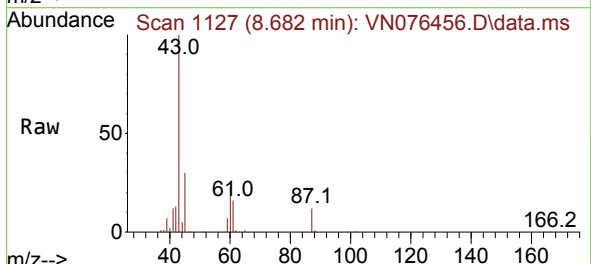


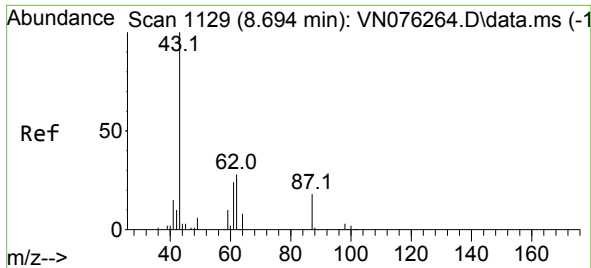
Tgt Ion:117 Resp: 47965
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.258 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

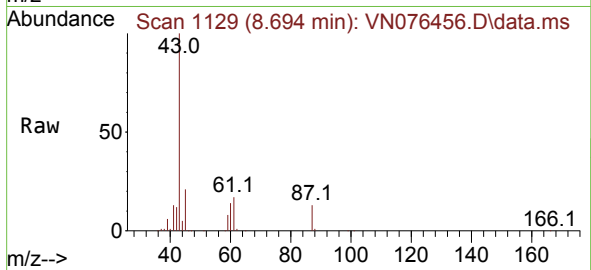
Tgt Ion: 62 Resp: 1897
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4



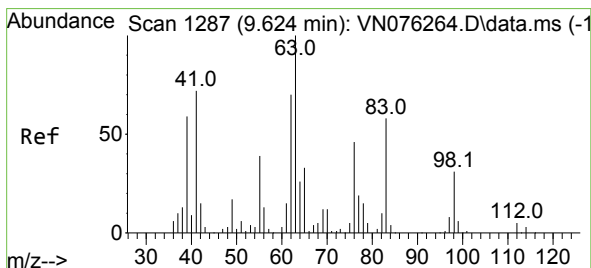
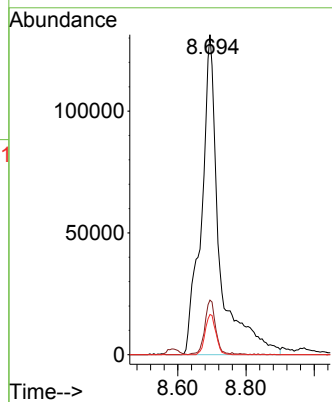
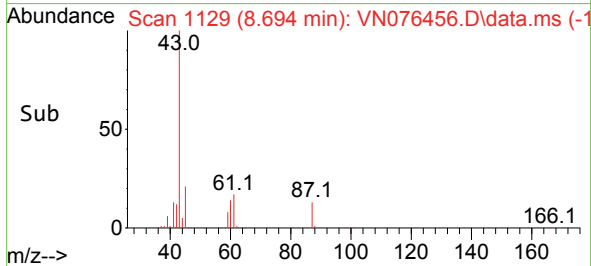


#43
Isopropyl Acetate
Concen: 51.466 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

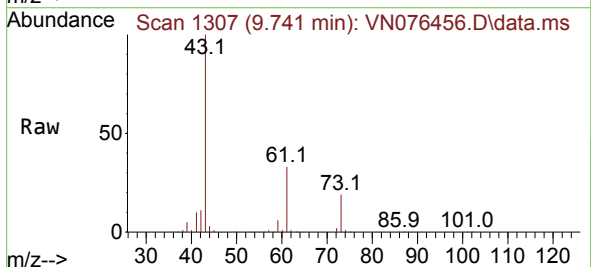
Instrument :
MSVOA_N
ClientSampleId :



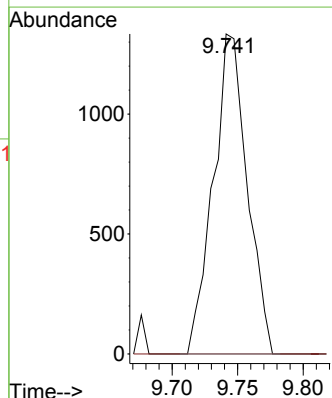
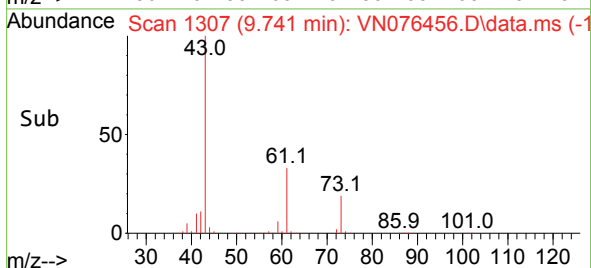
Tgt Ion: 43 Resp: 482961
Ion Ratio Lower Upper
43 100
61 10.2 23.5 35.3#
87 7.4 13.8 20.6#

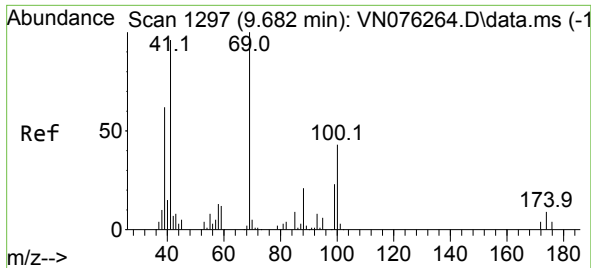


#45
1,2-Dichloropropane
Concen: 0.467 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53



Tgt Ion: 63 Resp: 2405
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

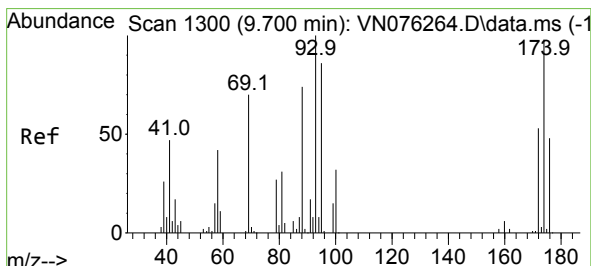
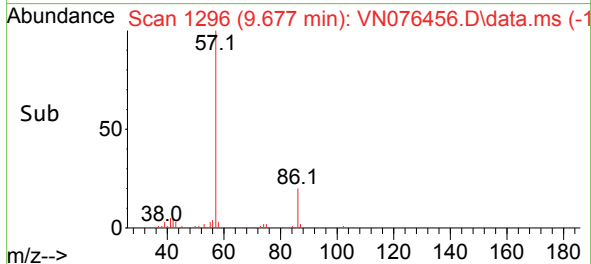
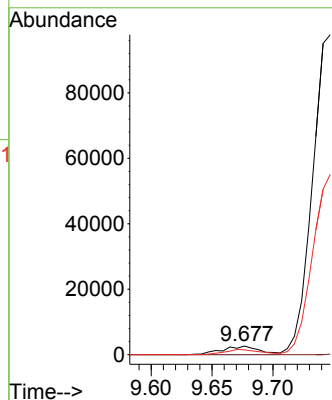
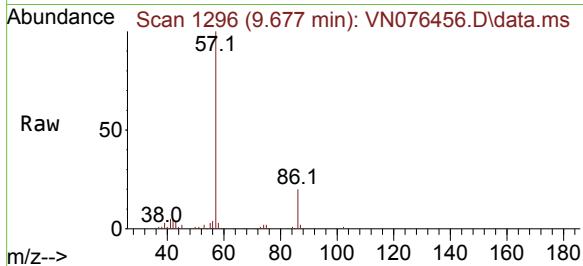




#48
Methyl methacrylate
Concen: 1.270 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

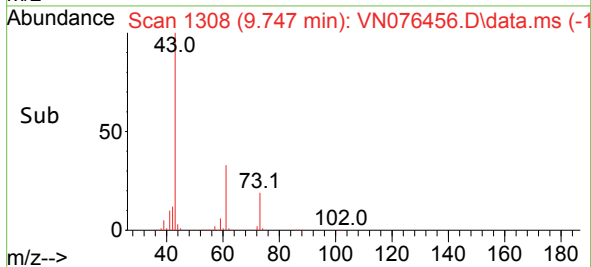
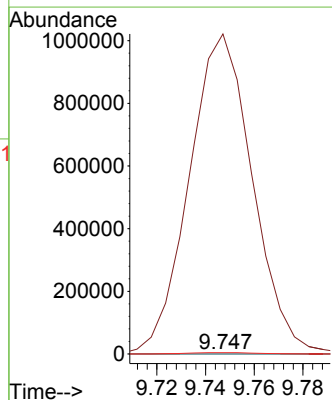
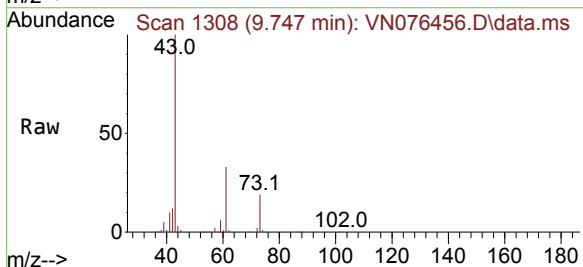
Instrument :
MSVOA_N
ClientSampleId :

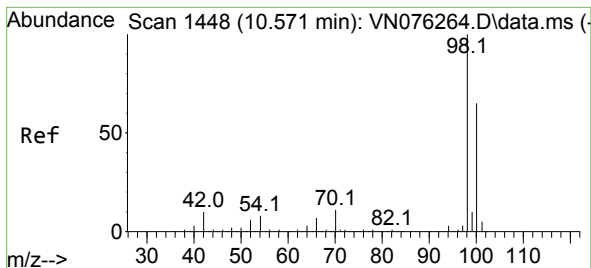
Tgt Ion: 41 Resp: 5642
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 58.0 54.4 81.6



#49
1,4-Dioxane
Concen: 3.222 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 615231.1 18.1 27.1#
58 2900.7 46.5 69.7#





#50

Toluene-d8

Concen: 51.664 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

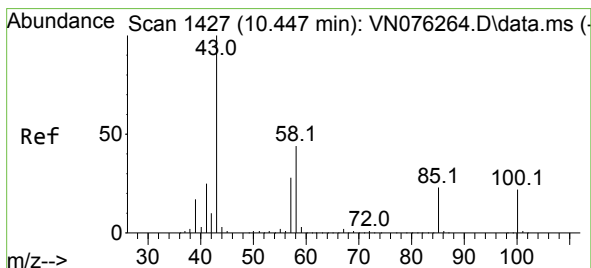
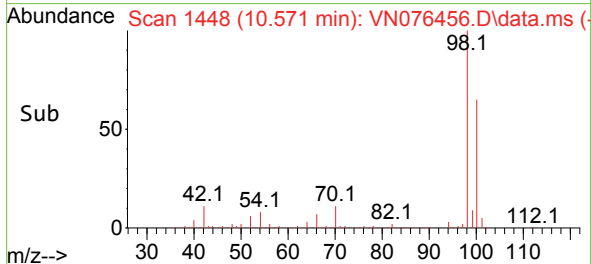
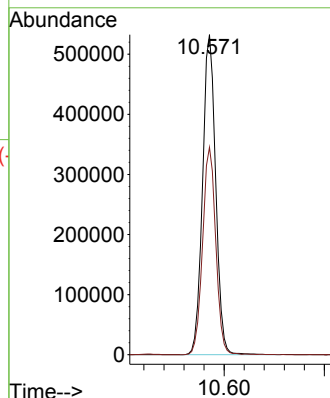
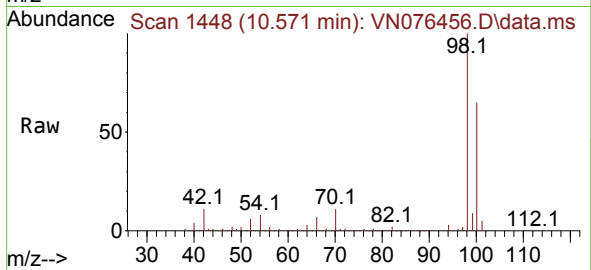
ClientSampleId :

Tgt Ion: 98 Resp: 965672

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 3.352 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076456.D

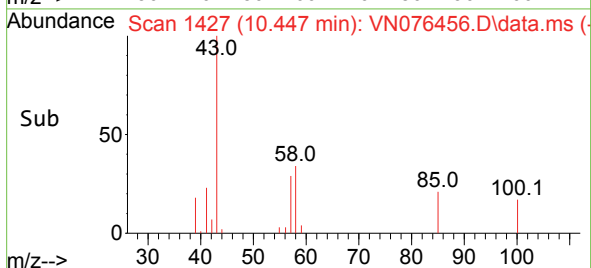
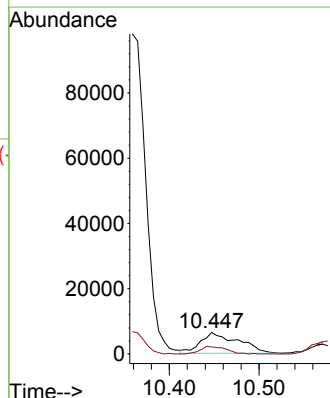
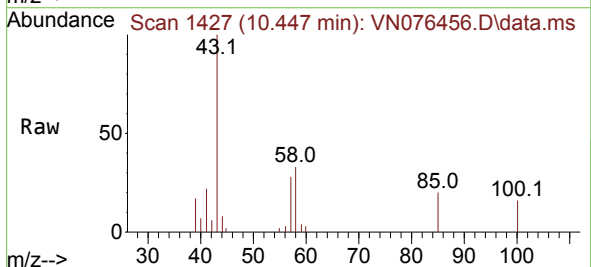
Acq: 30 Jan 2023 14:53

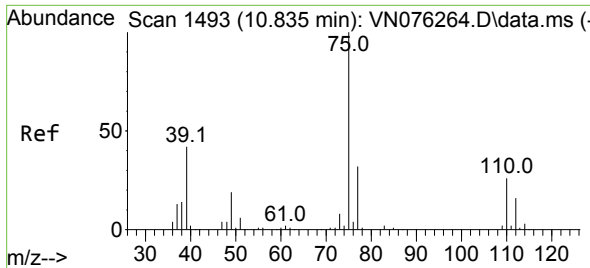
Tgt Ion: 43 Resp: 18466

Ion Ratio Lower Upper

43 100

58 25.3 35.1 52.7#

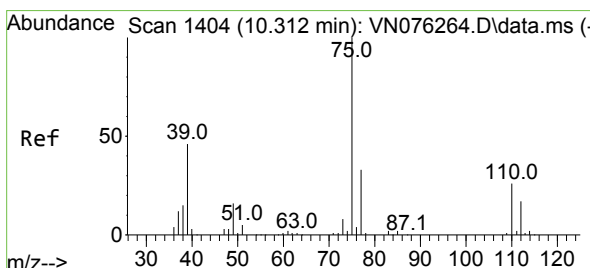
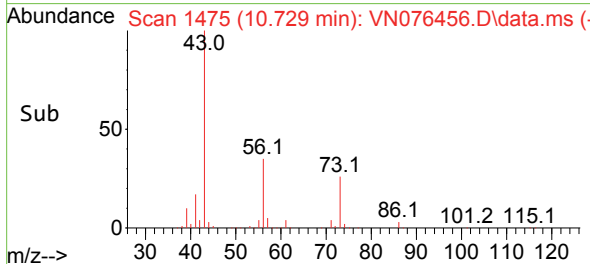
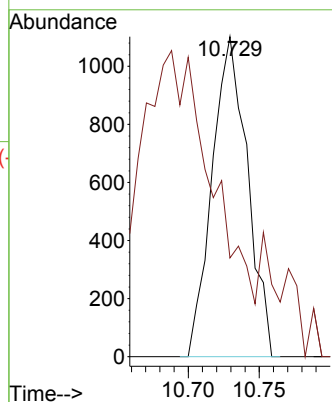
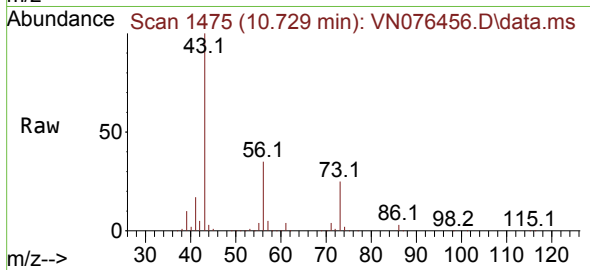




#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

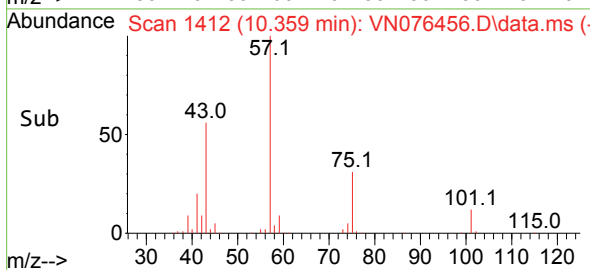
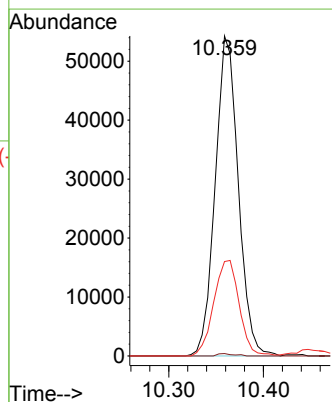
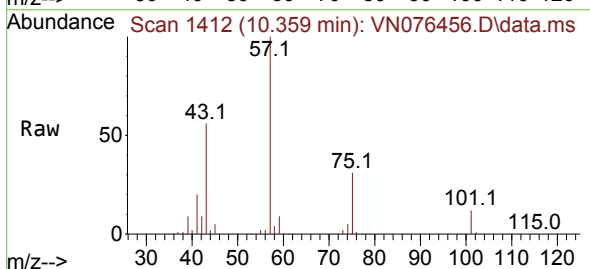
Instrument :
MSVOA_N
ClientSampleId :

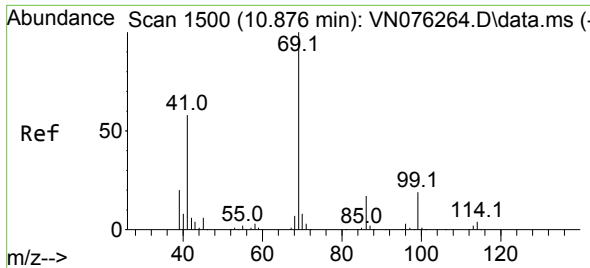
Tgt Ion: 75 Resp: 1904
Ion Ratio Lower Upper
75 100
77 13.8 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 11.115 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Tgt Ion: 75 Resp: 91907
Ion Ratio Lower Upper
75 100
77 0.8 26.5 39.7#
39 29.5 37.1 55.7#

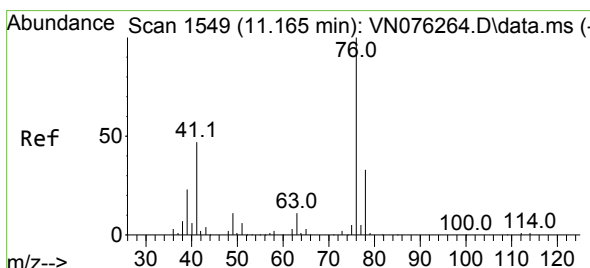
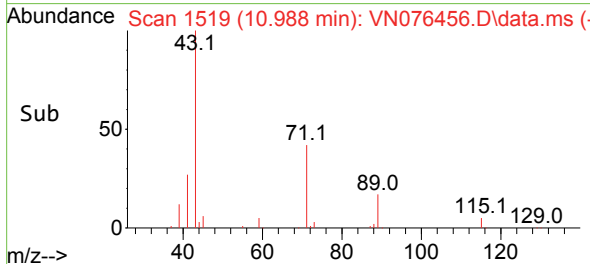
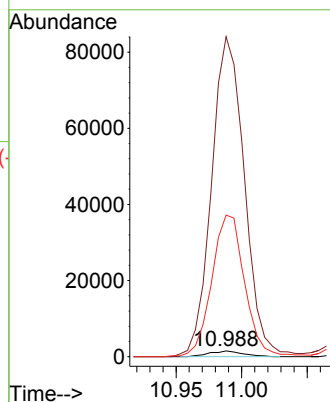
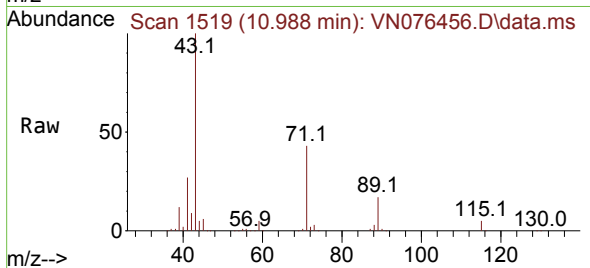




#56
Ethyl methacrylate
Concen: 0.376 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

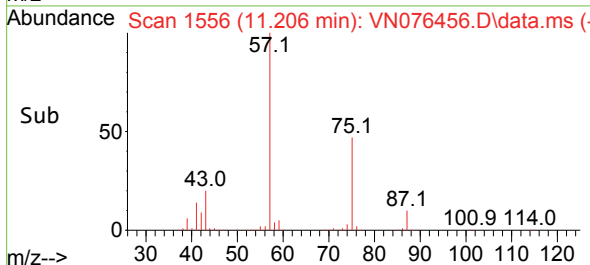
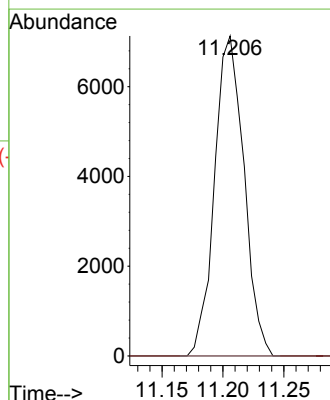
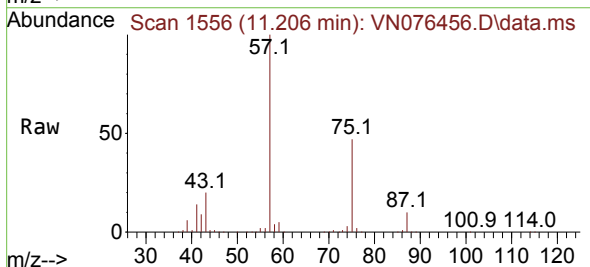
Instrument :
MSVOA_N
ClientSampleId :

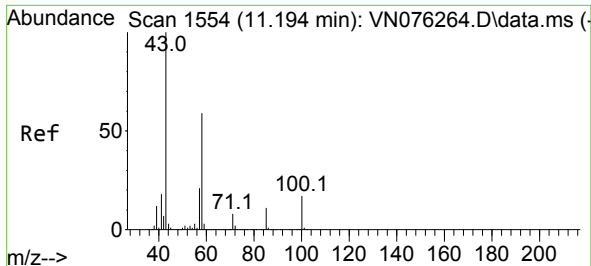
Tgt Ion: 69 Resp: 2666
Ion Ratio Lower Upper
69 100
41 5502.4 45.3 67.9#
39 2442.5 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.341 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

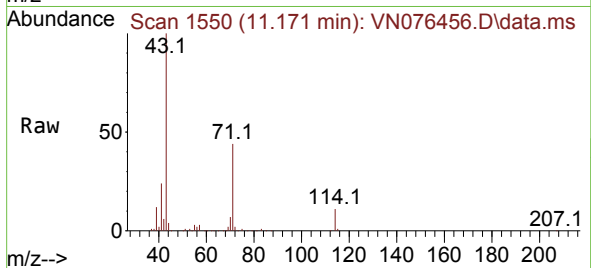
Tgt Ion: 76 Resp: 11982
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#



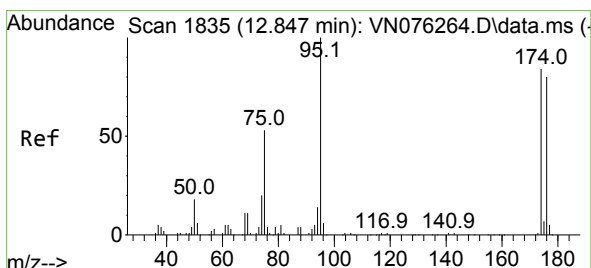
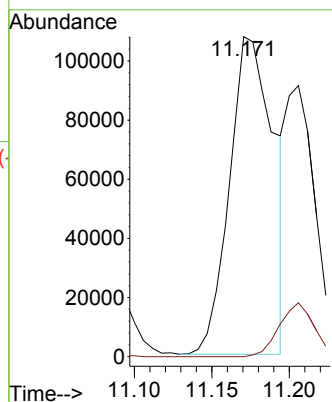
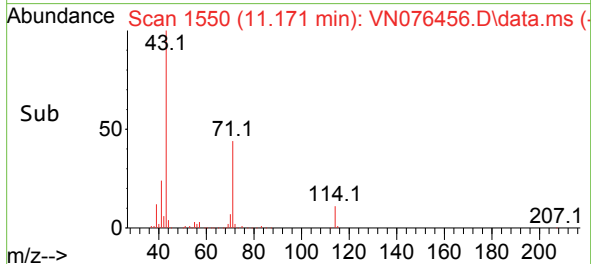


#59
2-Hexanone
Concen: 53.159 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :

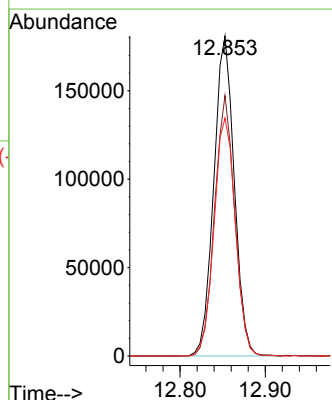
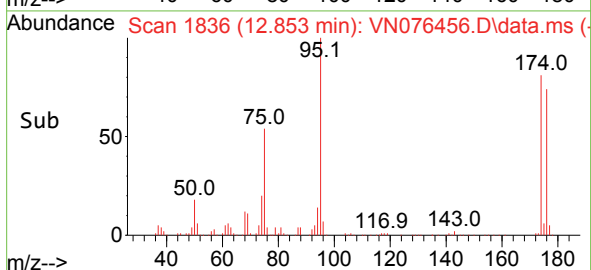
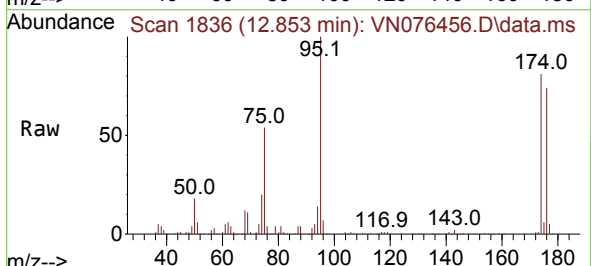


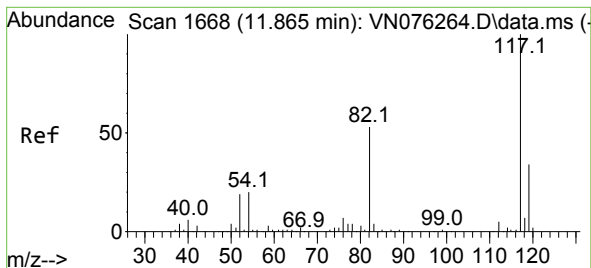
Tgt Ion: 43 Resp: 212211
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 49.460 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076456.D
Acq: 30 Jan 2023 14:53

Tgt Ion: 95 Resp: 301797
Ion Ratio Lower Upper
95 100
174 80.4 0.0 174.6
176 77.1 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

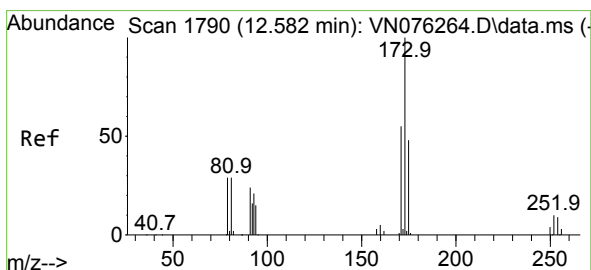
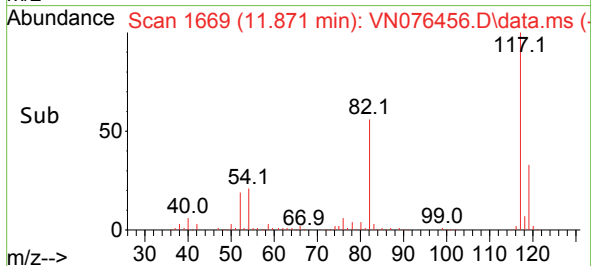
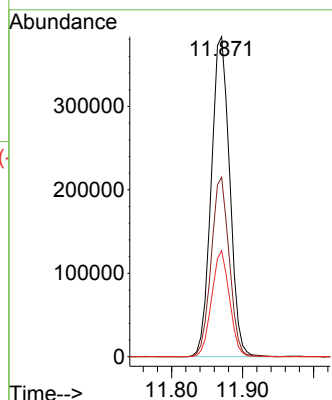
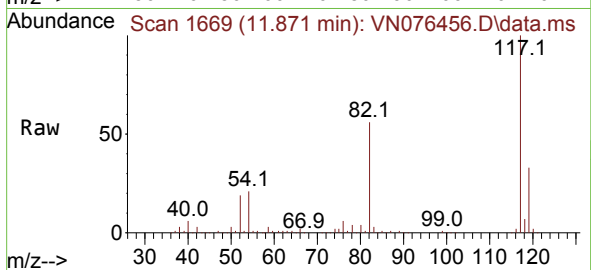
Tgt Ion:117 Resp: 692319

Ion Ratio Lower Upper

117 100

82 56.1 42.2 63.2

119 33.1 26.9 40.3



#71

Bromoform

Concen: 0.462 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

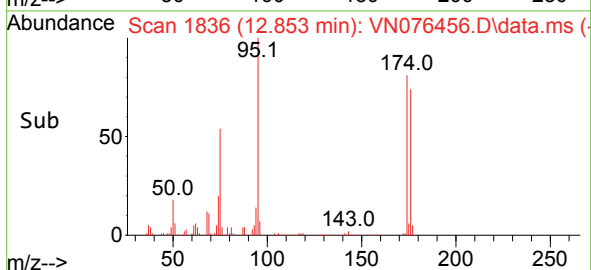
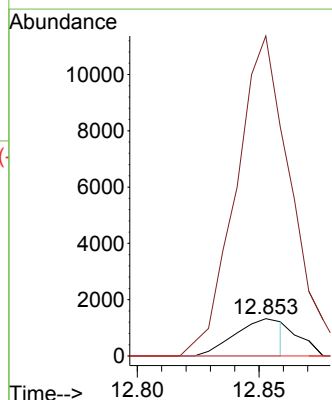
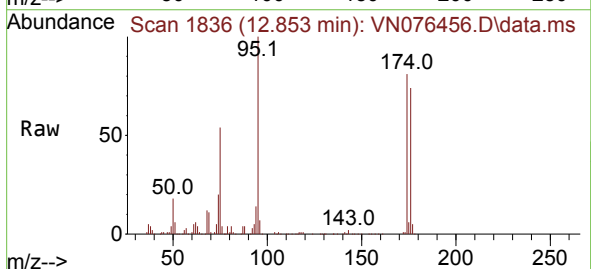
Tgt Ion:173 Resp: 1817

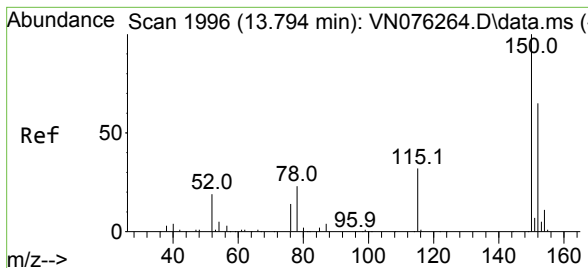
Ion Ratio Lower Upper

173 100

175 791.1 24.1 72.4#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

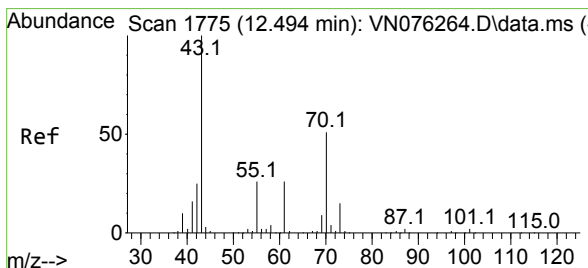
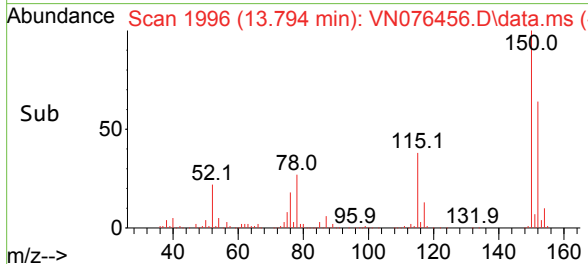
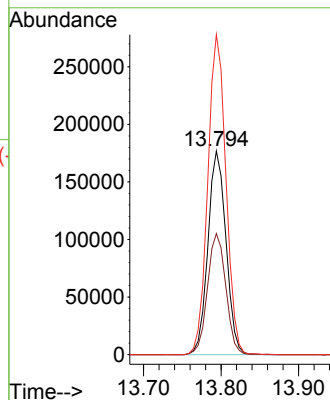
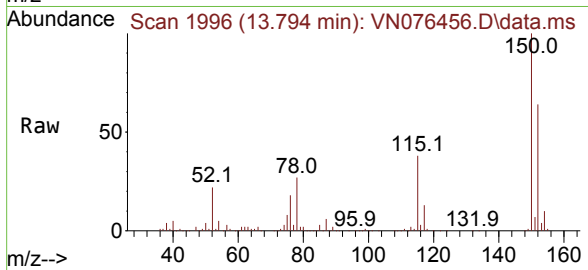
Tgt Ion:152 Resp: 286625

Ion Ratio Lower Upper

152 100

115 60.4 29.6 88.9

150 157.7 0.0 351.4



#74

N-ethyl acetate

Concen: 0.463 ug/l

RT: 12.488 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Tgt Ion: 43 Resp: 2952

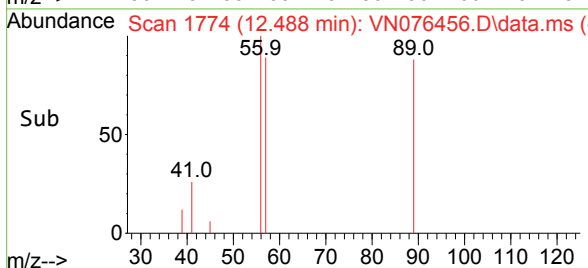
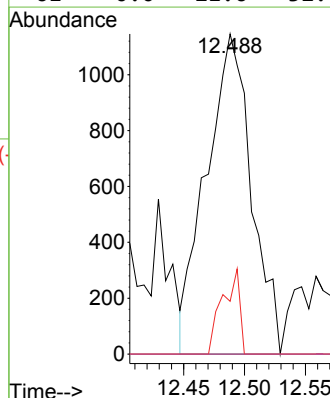
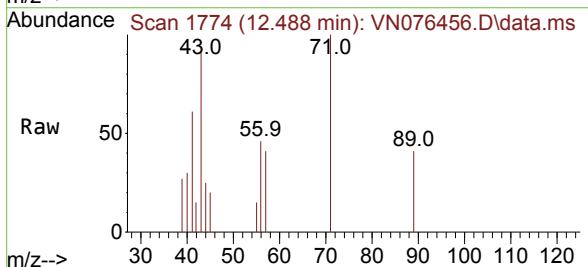
Ion Ratio Lower Upper

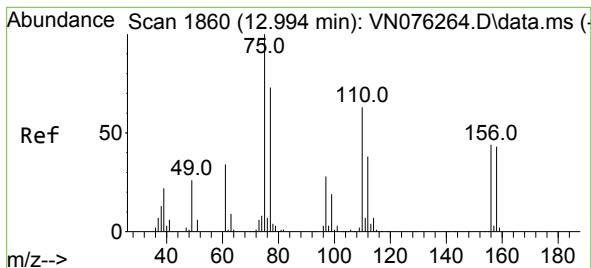
43 100

70 0.0 41.2 61.8#

55 10.3 21.0 31.6#

61 0.0 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 31.154 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Instrument :

MSVOA_N

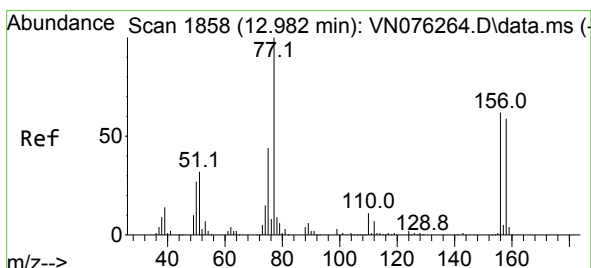
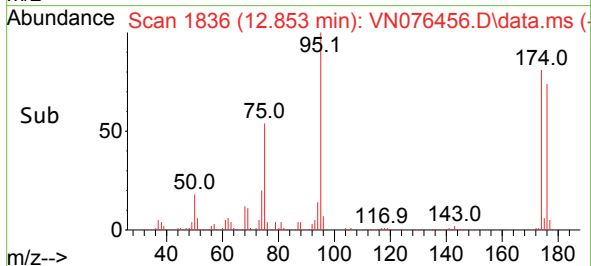
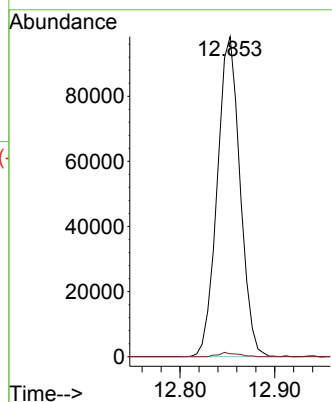
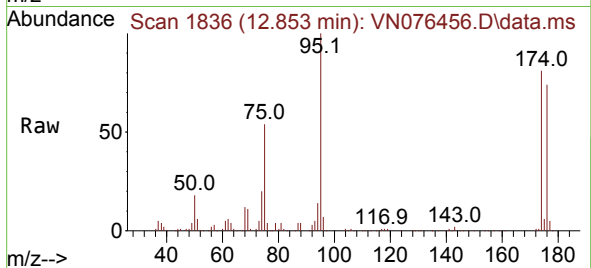
ClientSampleId :

Tgt Ion: 75 Resp: 164536

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.970 min Scan# 1856

Delta R.T. -0.012 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

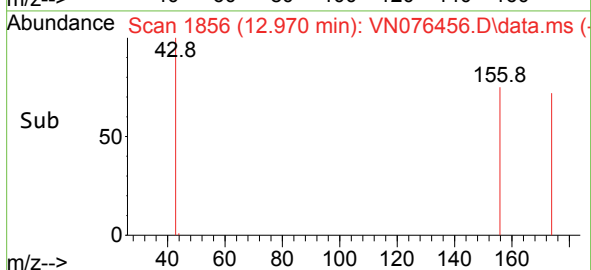
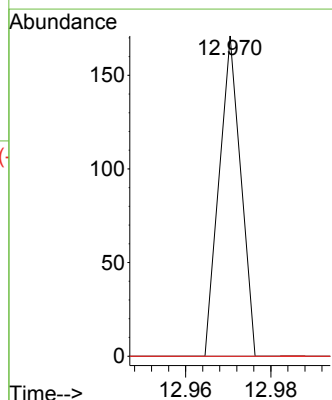
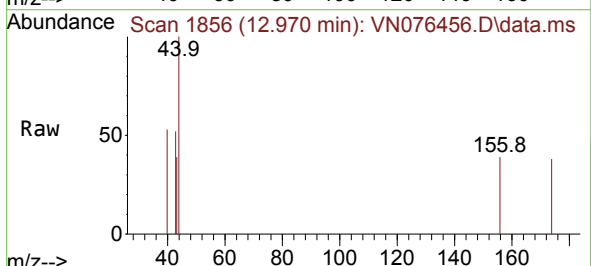
Tgt Ion:156 Resp: 60

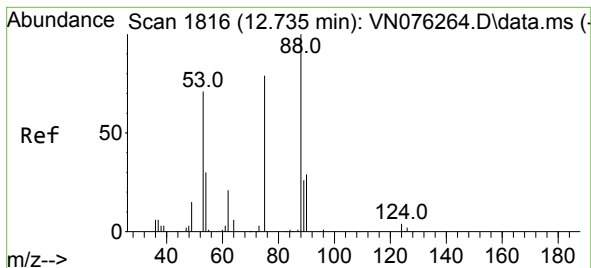
Ion Ratio Lower Upper

156 100

77 0.0 93.4 280.2#

158 0.0 48.4 145.2#

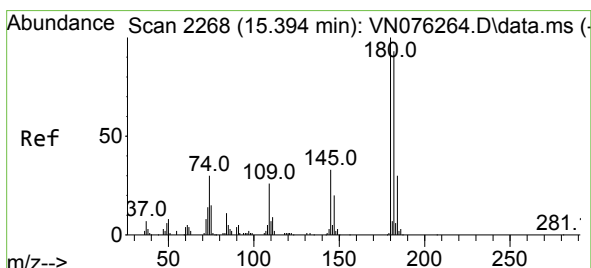
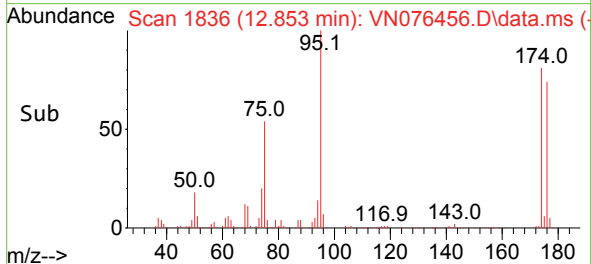
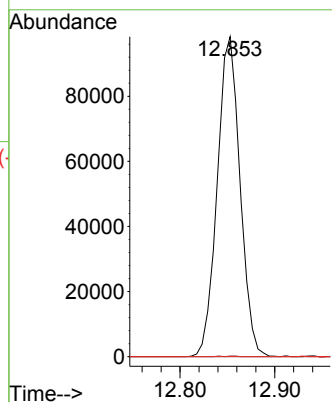
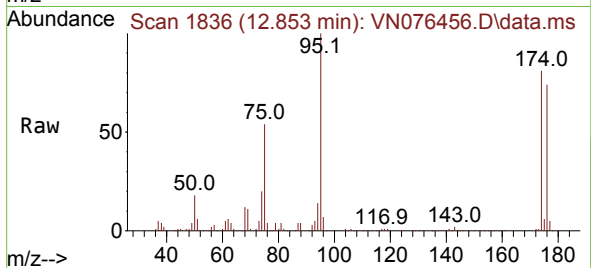




#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.511 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.118 min
 Lab File: VN076456.D
 Acq: 30 Jan 2023 14:53

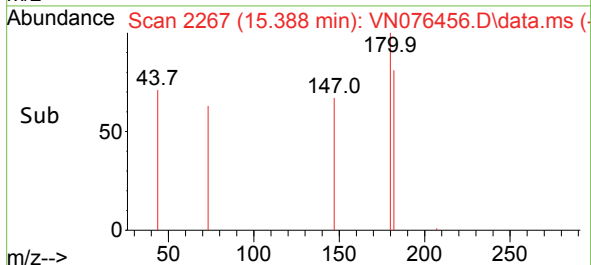
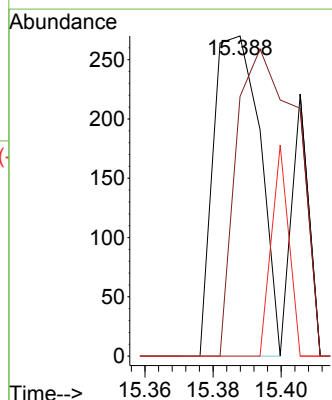
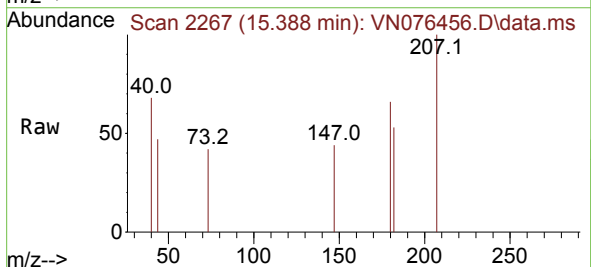
Instrument :
 MSVOA_N
 ClientSampleId :

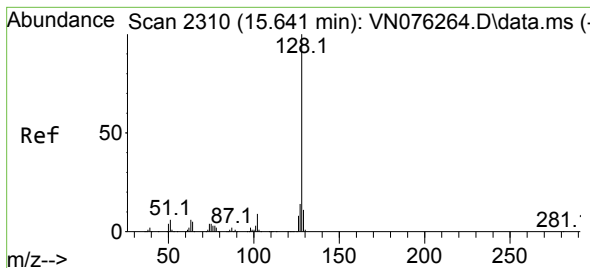
Tgt Ion: 75 Resp: 164536
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.388 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: VN076456.D
 Acq: 30 Jan 2023 14:53

Tgt Ion:180 Resp: 256
 Ion Ratio Lower Upper
 180 100
 182 124.6 47.0 141.2
 145 24.6 15.2 45.5





#95

Naphthalene

Concen: 1.945 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

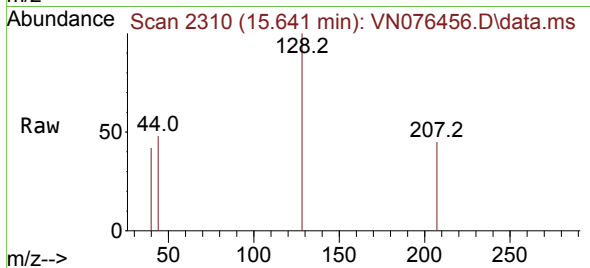
Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

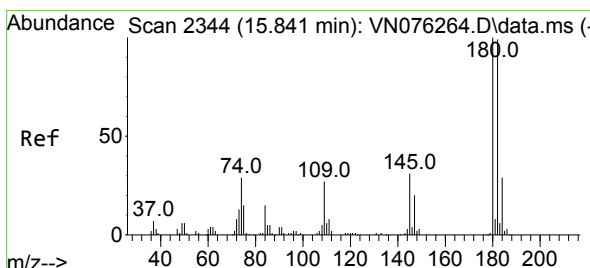
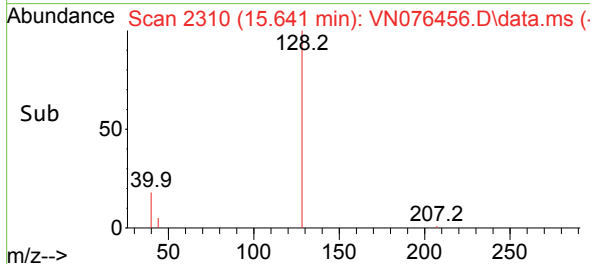
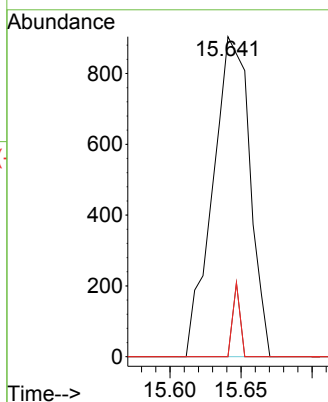
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1640
Ion	Ratio	Lower	Upper
128	100		
127	4.5	10.3	15.5#
129	4.5	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.216 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076456.D

Acq: 30 Jan 2023 14:53

Tgt Ion:	180	Resp:	306
Ion	Ratio	Lower	Upper
180	100		
182	46.1	47.5	142.5#
145	0.0	15.9	47.6#

