

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082070.D
 Acq On : 10 May 2024 15:22
 Operator : JC\MD
 Sample : PB160834ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:23:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

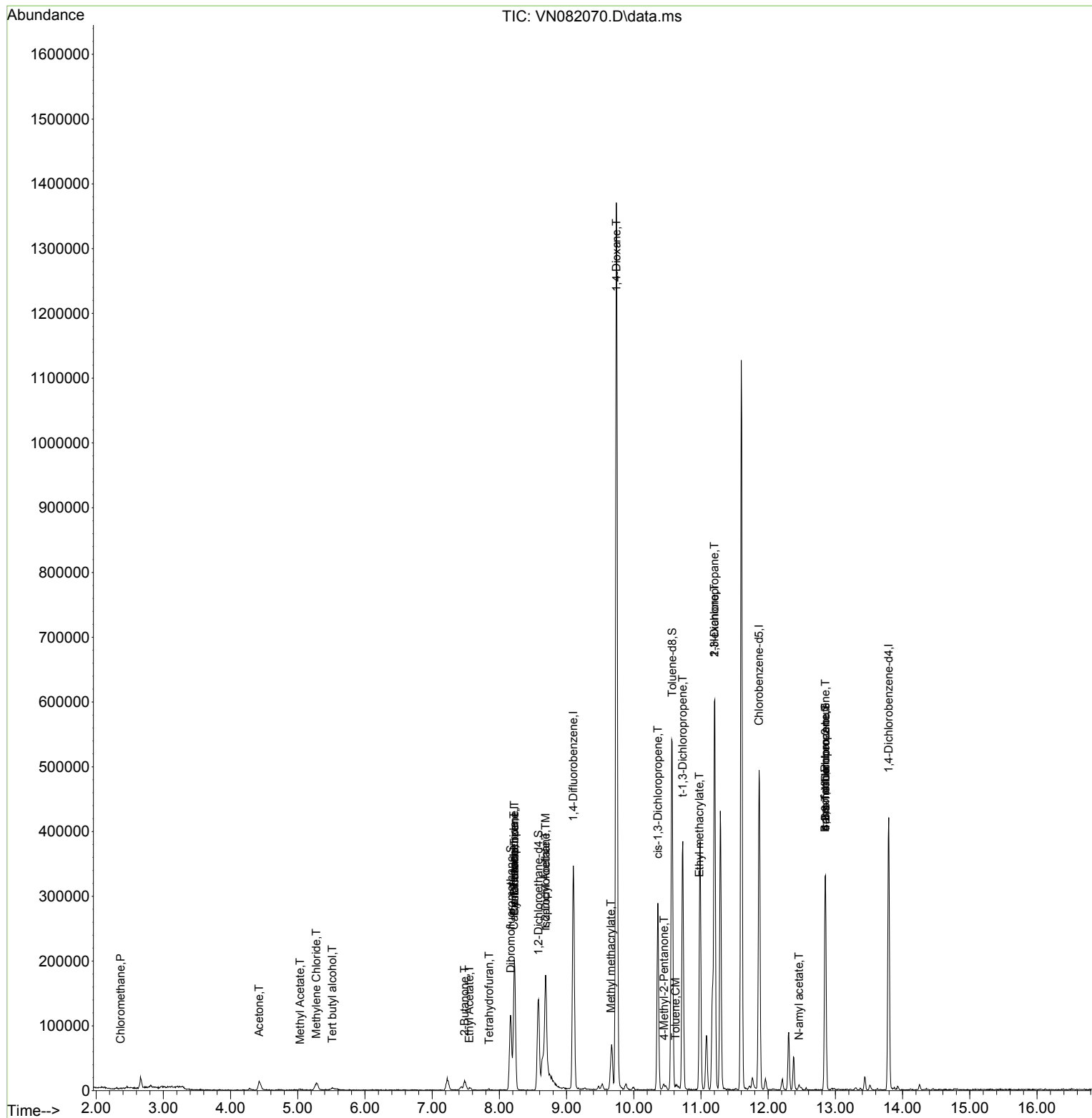
Internal Standards						
1) Pentafluorobenzene	8.224	168	126090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114760	53.927	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.860%	
35) Dibromofluoromethane	8.171	113	84288	50.255	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.520%	
50) Toluene-d8	10.571	98	356352	54.099	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	12.853	95	119054	45.721	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 91.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	638	0.346	ug/l #	43
5) Bromomethane	2.965	94	465	Below Cal	#	3
11) Tert butyl alcohol	5.512	59	4522	11.689	ug/l #	79
13) Acrolein	4.177	56	181	Below Cal	#	63
16) Acetone	4.424	43	24502	34.217	ug/l #	79
18) Methyl Acetate	5.036	43	2654	1.231	ug/l #	52
20) Methylene Chloride	5.277	84	7312	4.009	ug/l #	83
25) 2-Butanone	7.482	43	23462	19.425	ug/l #	82
29) Tetrahydrofuran	7.847	42	1428	1.649	ug/l #	36
31) Cyclohexane	8.224	56	4645	1.449	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	14351	5.259	ug/l #	48
37) Ethyl Acetate	7.553	43	5286	1.792	ug/l #	83
38) Carbon Tetrachloride	8.218	117	15004	5.626	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1602	0.527	ug/l #	73
43) Isopropyl Acetate	8.688	43	278597	50.223	ug/l #	72
48) Methyl methacrylate	9.659	41	6689	2.526	ug/l #	37
49) 1,4-Dioxane	9.741	88	309	7.677	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	5735	1.837	ug/l	95
52) Toluene	10.623	92	2134	0.435	ug/l	81
53) t-1,3-Dichloropropene	10.729	75	1034	0.304	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	49619	14.160	ug/l #	67
56) Ethyl methacrylate	10.976	69	1282	0.349	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6663	1.943	ug/l #	45
59) 2-Hexanone	11.200	43	90712	39.033	ug/l #	57
71) Bromoform	12.847	173	399	0.275	ug/l #	28
74) N-amyl acetate	12.459	43	7135	1.459	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	72143	28.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72143	57.731	ug/l #	12

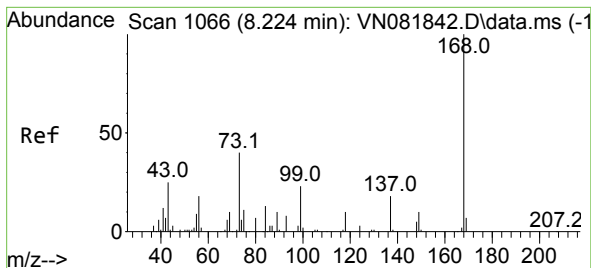
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
Data File : VN082070.D
Acq On : 10 May 2024 15:22
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Sample : PB160834ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 10 23:23:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082070.D

Acq: 10 May 2024 15:22

Instrument :

MSVOA_N

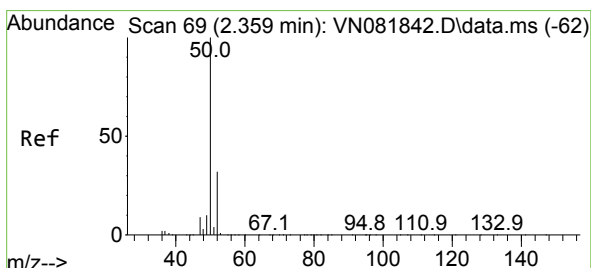
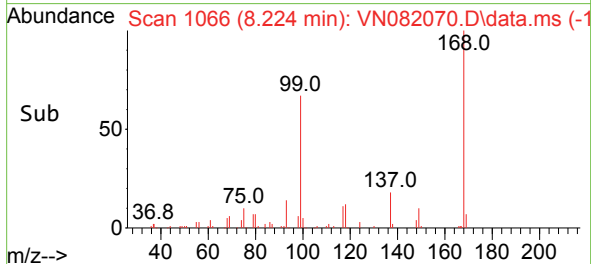
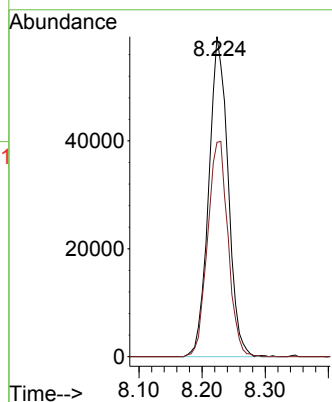
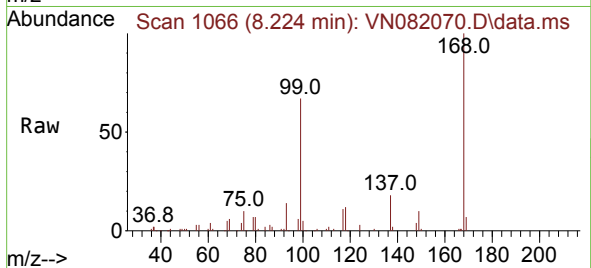
ClientSampleId :

Tgt Ion:168 Resp: 126090

Ion Ratio Lower Upper

168 100

99 67.0 48.2 72.4



#3

Chloromethane

Concen: 0.346 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082070.D

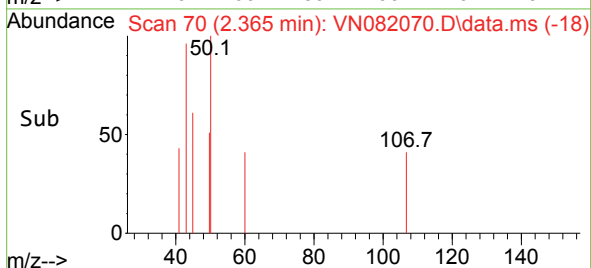
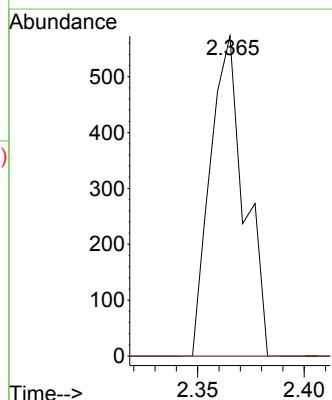
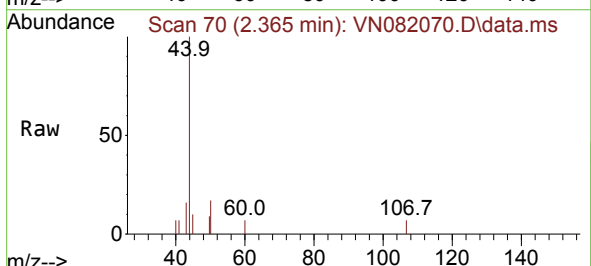
Acq: 10 May 2024 15:22

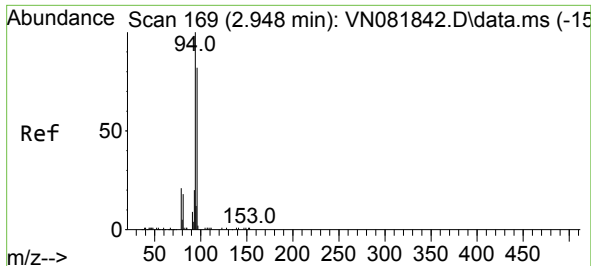
Tgt Ion: 50 Resp: 638

Ion Ratio Lower Upper

50 100

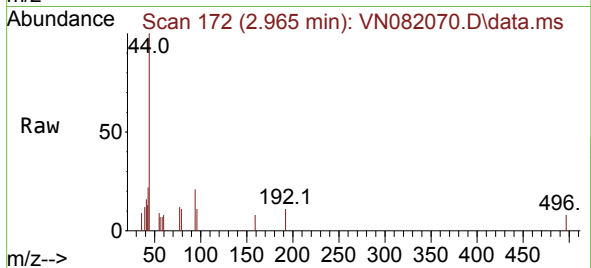
52 0.0 25.5 38.3#



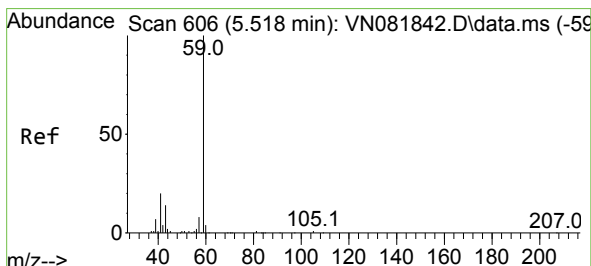
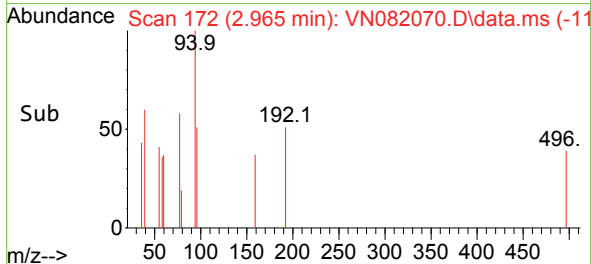
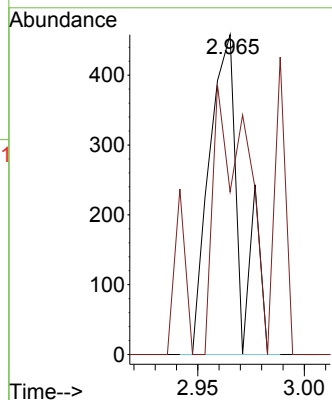


#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

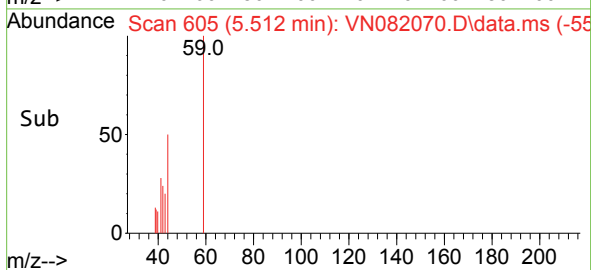
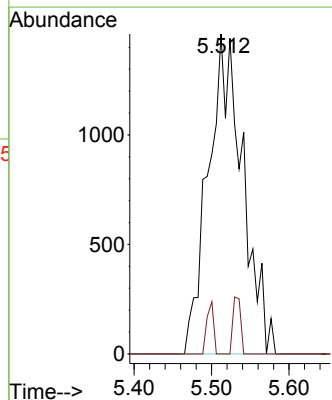
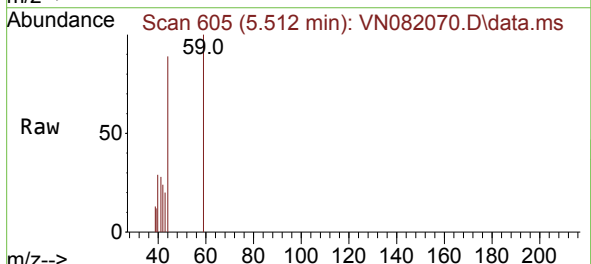


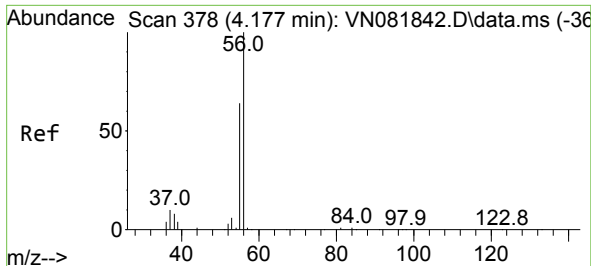
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 11.689 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Tgt Ion: 59 Resp: 4522
Ion Ratio Lower Upper
59 100
57 3.2 8.9 13.3#

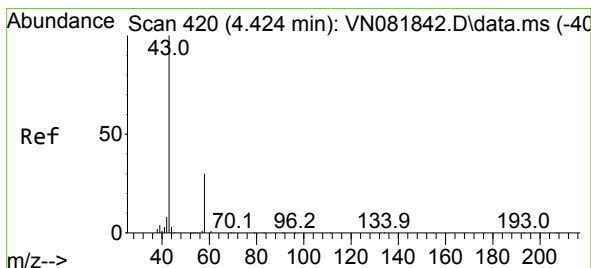
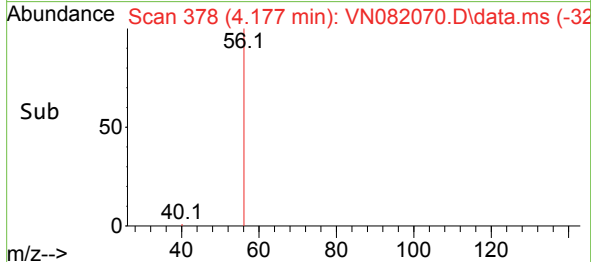
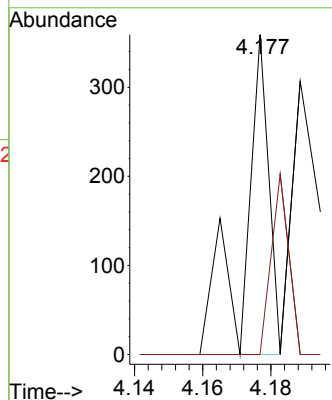
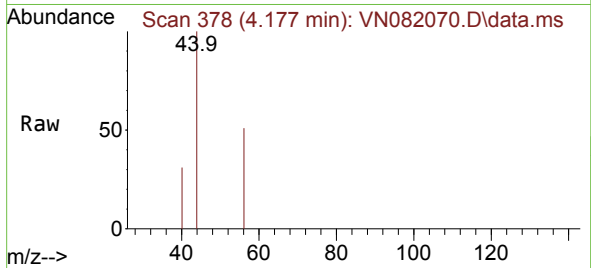




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

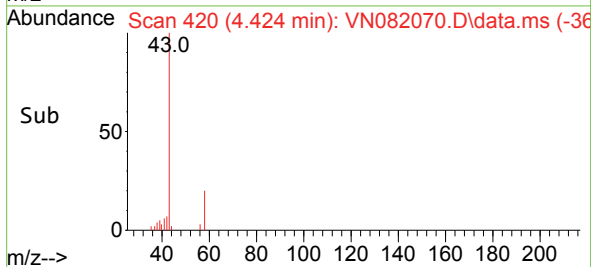
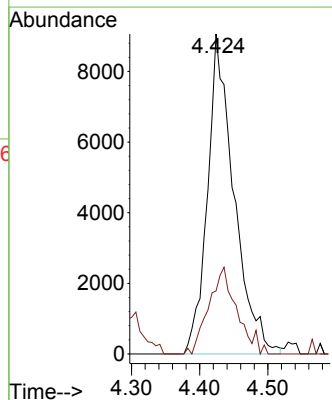
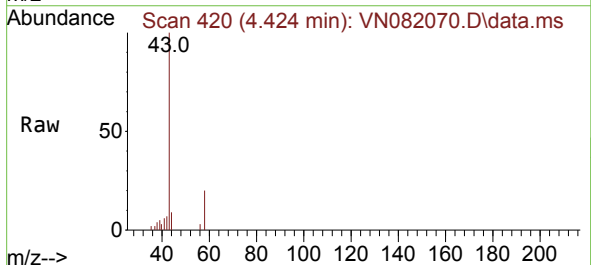
Instrument :
MSVOA_N
ClientSampleId :

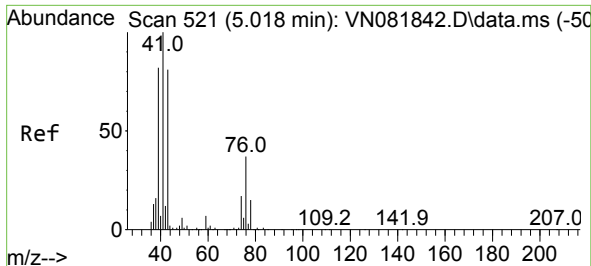
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 39.8 55.8 83.8#



#16
Acetone
Concen: 34.217 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

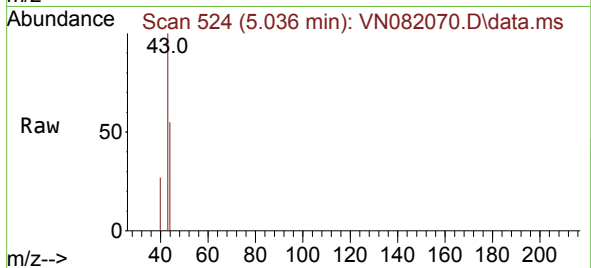
Tgt Ion: 43 Resp: 24502
Ion Ratio Lower Upper
43 100
58 19.7 25.2 37.8#



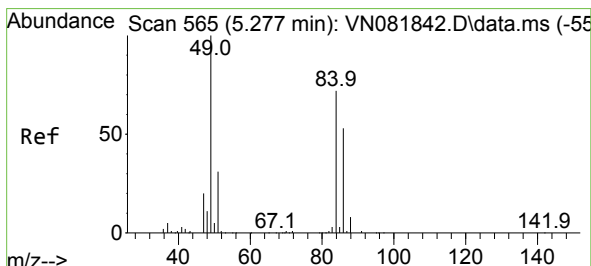
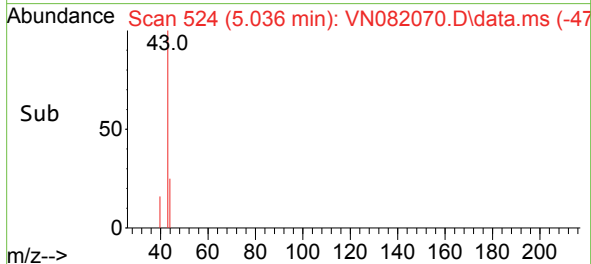
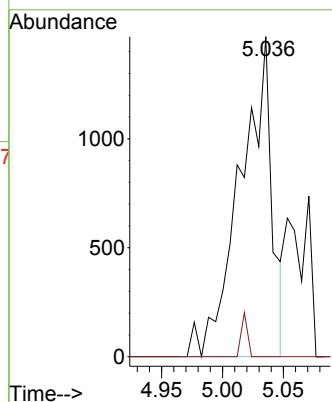


#18
Methyl Acetate
Concen: 1.231 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

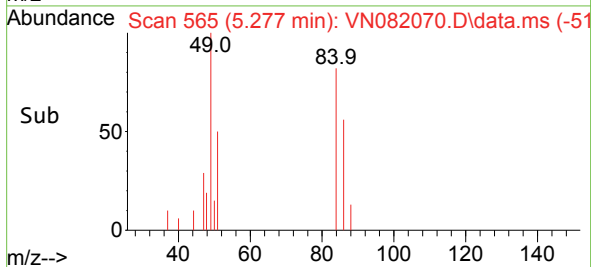
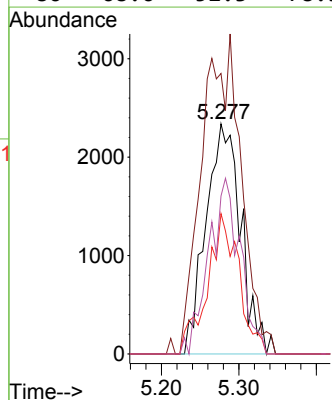
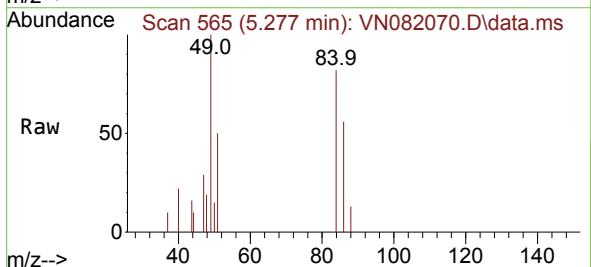


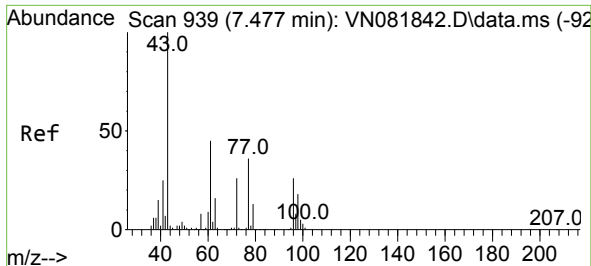
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
74 2.7 22.2 33.2#



#20
Methylene Chloride
Concen: 4.009 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

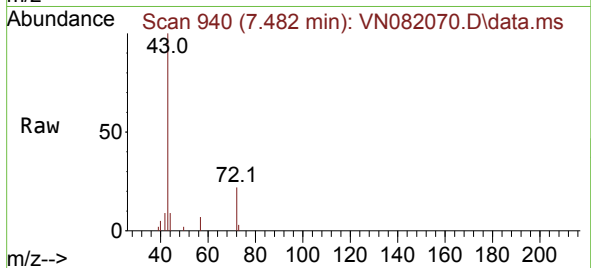
Tgt Ion: 84 Resp: 7312
Ion Ratio Lower Upper
84 100
49 121.9 84.9 127.3
51 60.9 27.0 40.6#
86 68.6 52.3 78.5



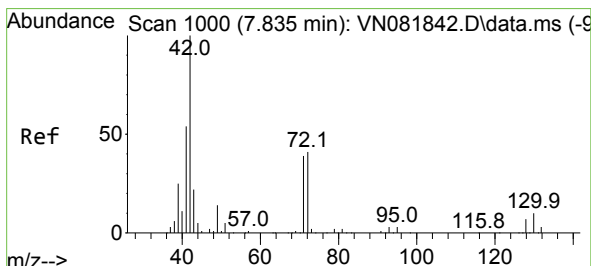
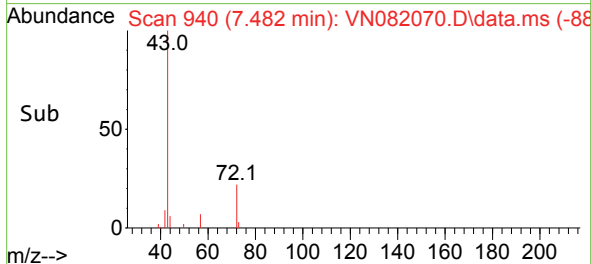
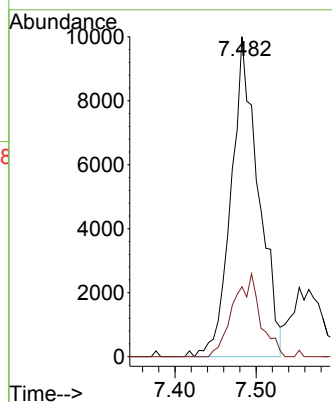


#25
2-Butanone
Concen: 19.425 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

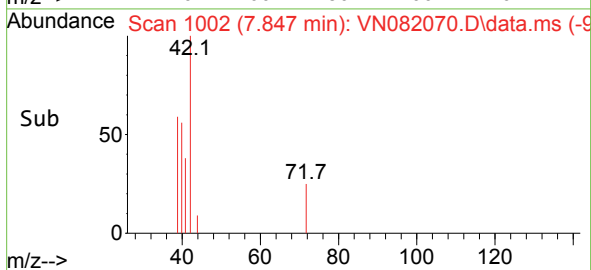
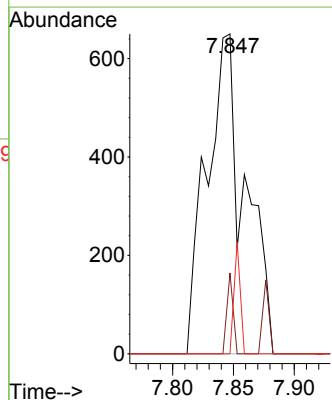
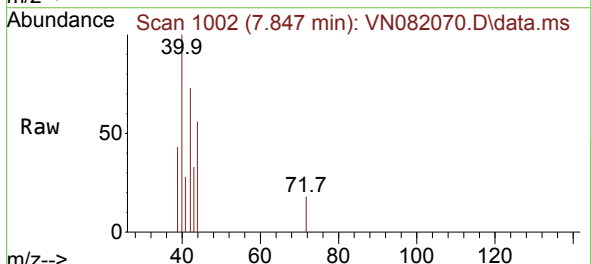


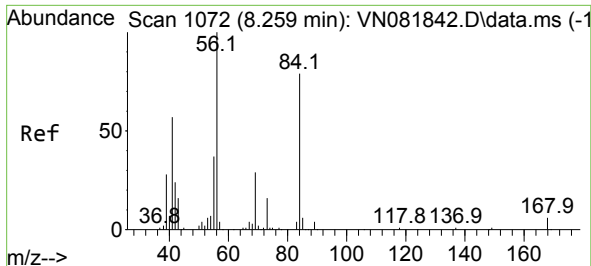
Tgt Ion: 43 Resp: 23462
Ion Ratio Lower Upper
43 100
72 21.9 25.3 37.9#



#29
Tetrahydrofuran
Concen: 1.649 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

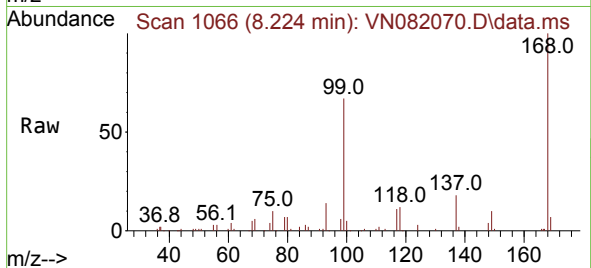
Tgt Ion: 42 Resp: 1428
Ion Ratio Lower Upper
42 100
72 4.1 39.3 58.9#
71 5.6 37.4 56.0#



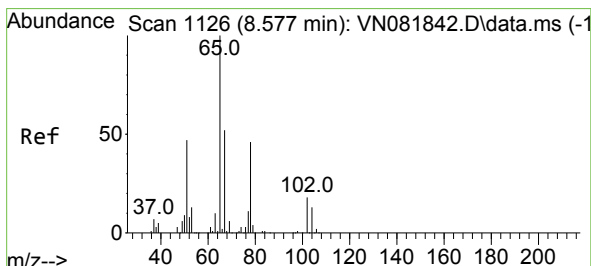
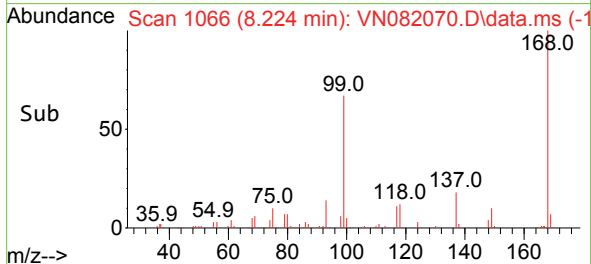
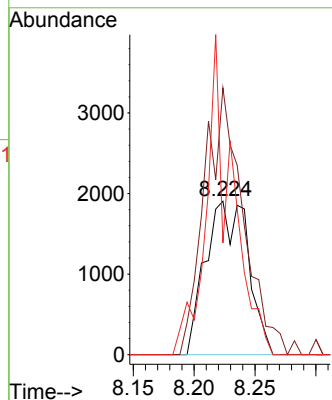


#31
Cyclohexane
Concen: 1.449 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

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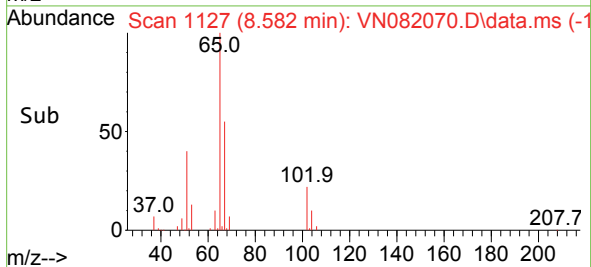
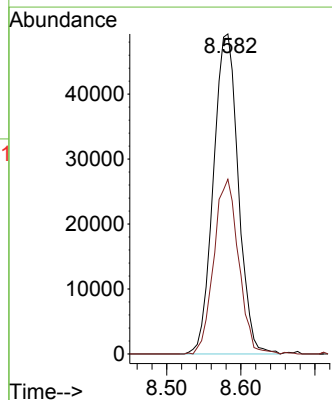
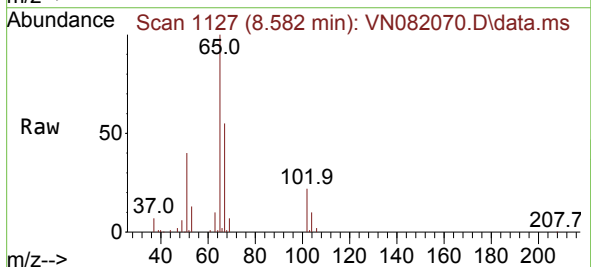


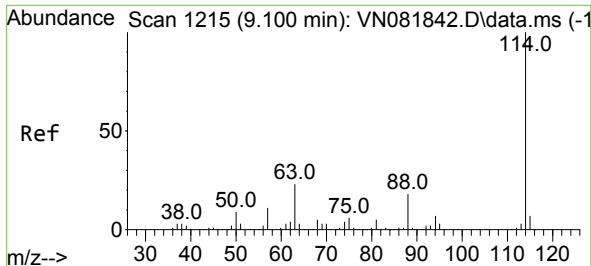
Tgt Ion: 56 Resp: 4645
Ion Ratio Lower Upper
56 100
69 173.9 24.4 36.6#
84 72.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.927 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Tgt Ion: 65 Resp: 114760
Ion Ratio Lower Upper
65 100
67 54.3 0.0 103.0

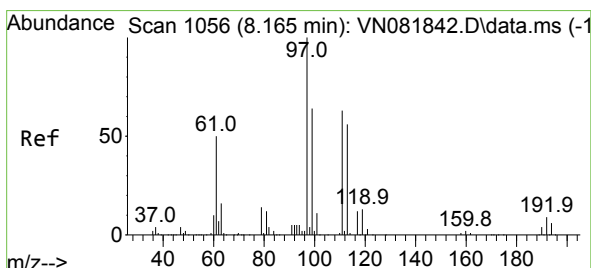
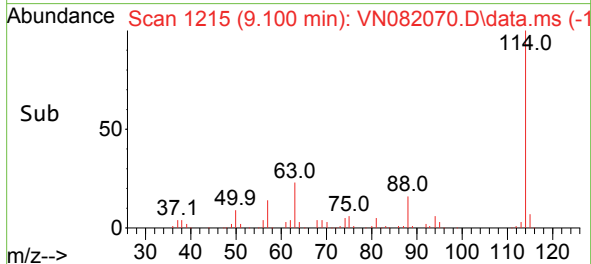
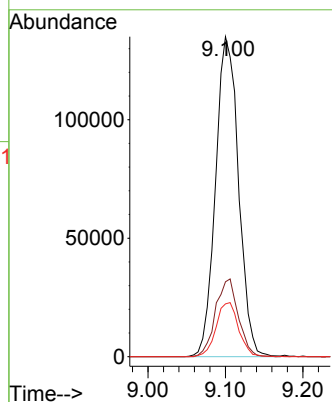
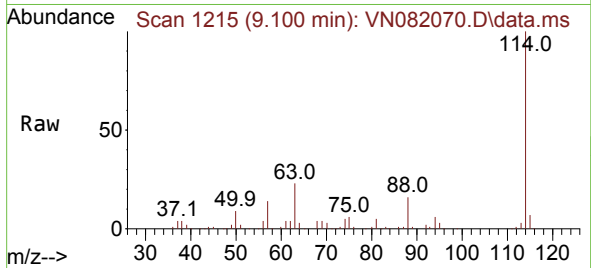




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

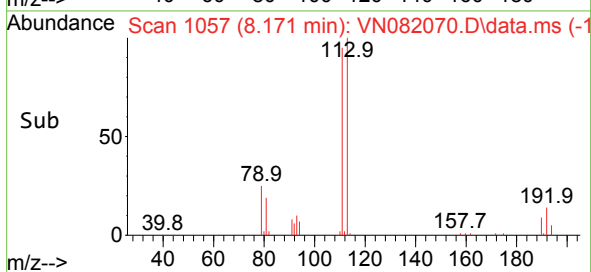
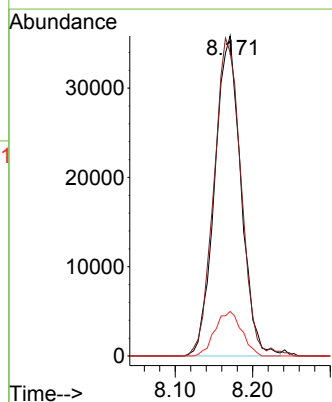
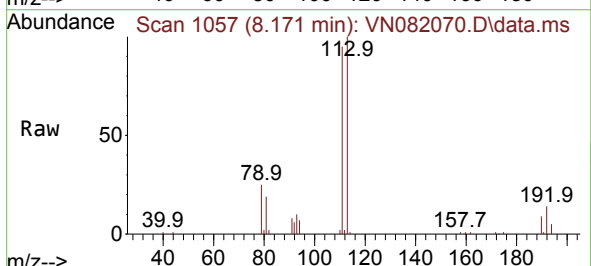
Instrument :
MSVOA_N
ClientSampleId :

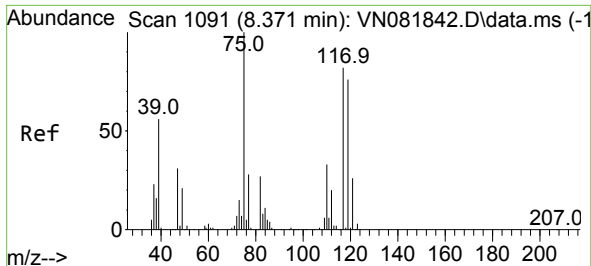
Tgt Ion:114 Resp: 278564
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.0
88 16.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.255 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

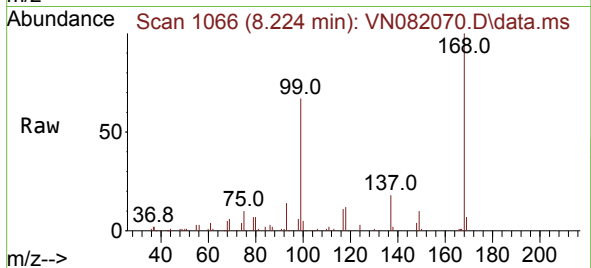
Tgt Ion:113 Resp: 84288
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 14.1 14.0 21.0



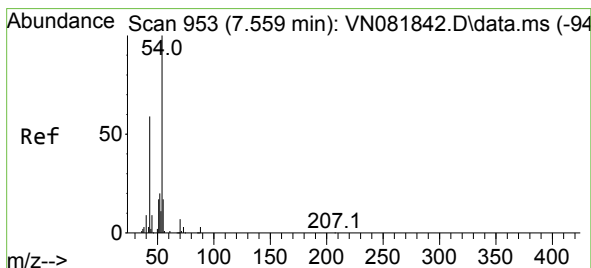
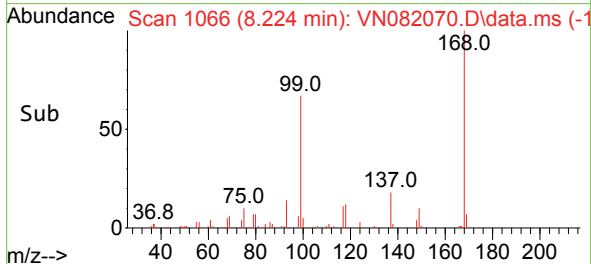
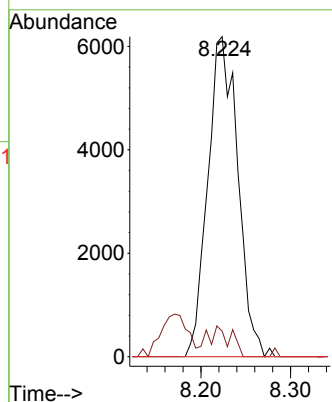


#36
1,1-Dichloropropene
Concen: 5.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

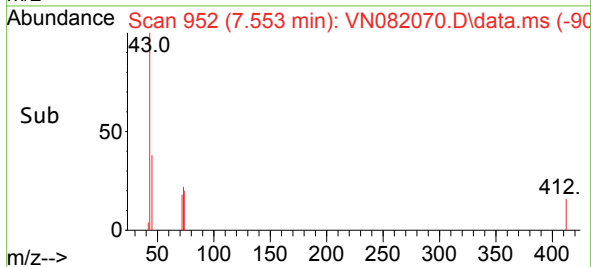
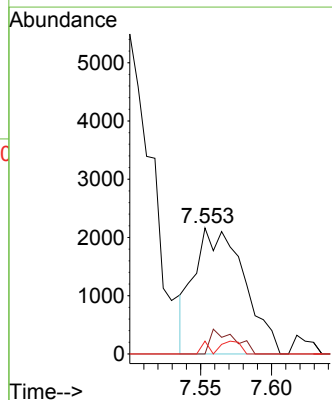
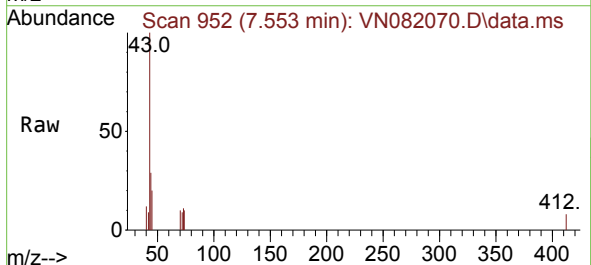


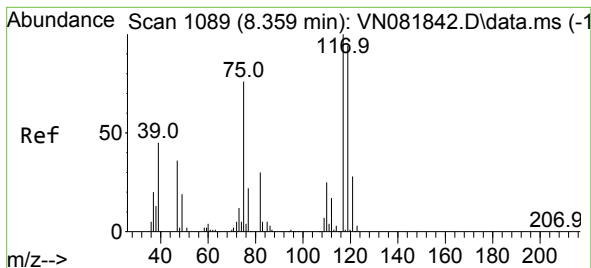
Tgt Ion: 75 Resp: 14351
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.792 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Tgt Ion: 43 Resp: 5286
Ion Ratio Lower Upper
43 100
61 9.7 11.3 16.9#
70 1.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.626 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

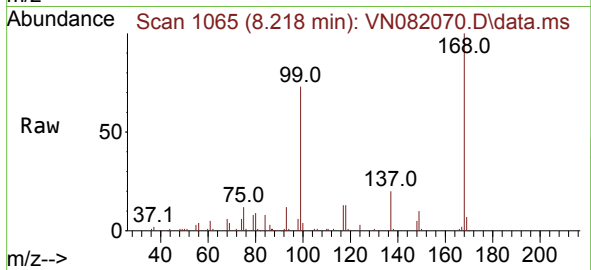
Lab File: VN082070.D

Acq: 10 May 2024 15:22

Instrument :

MSVOA_N

ClientSampleId :



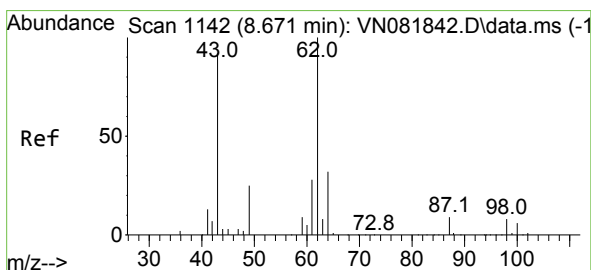
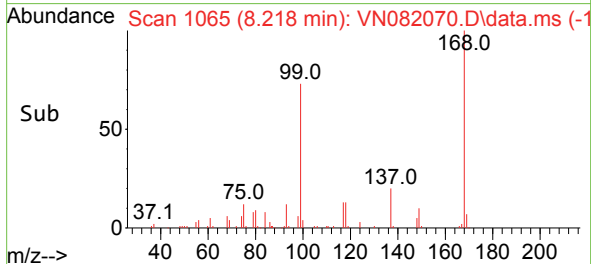
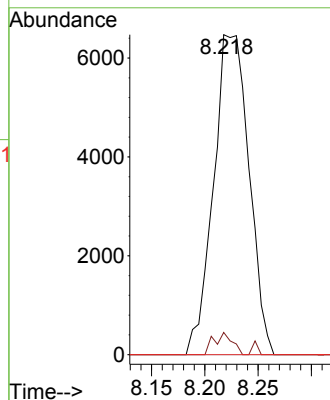
Tgt Ion:117 Resp: 15004

Ion Ratio Lower Upper

117 100

119 6.9 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.527 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082070.D

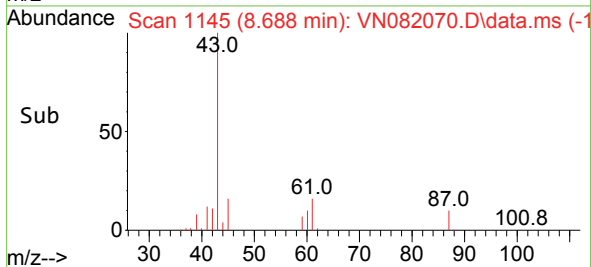
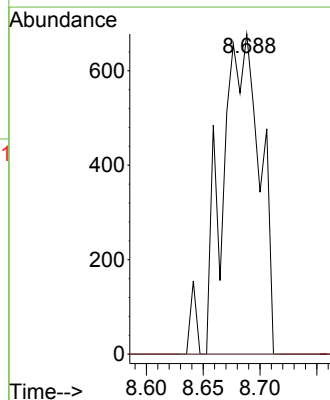
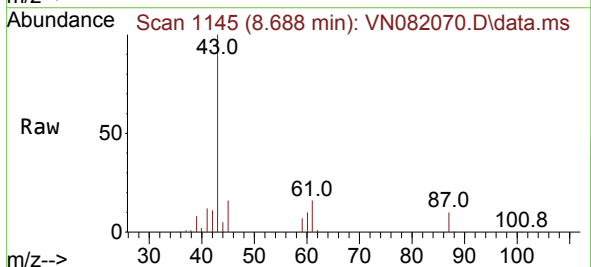
Acq: 10 May 2024 15:22

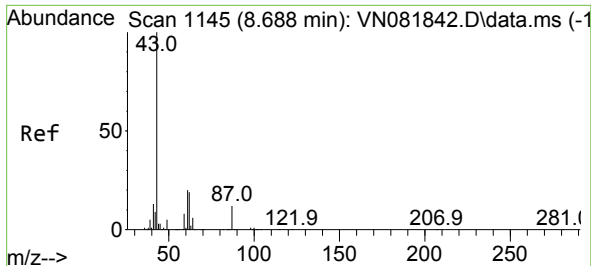
Tgt Ion: 62 Resp: 1602

Ion Ratio Lower Upper

62 100

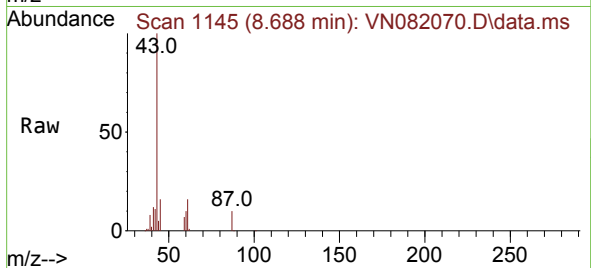
98 0.0 0.0 19.6



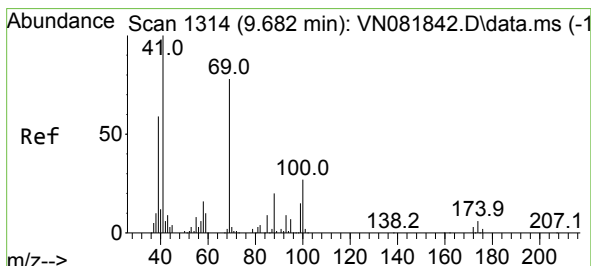
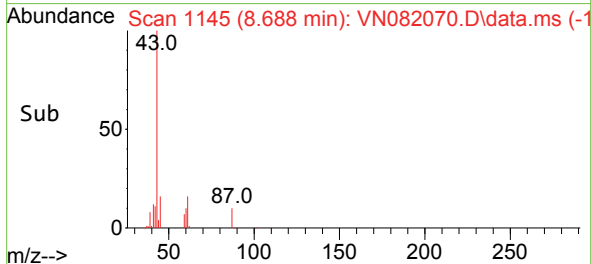
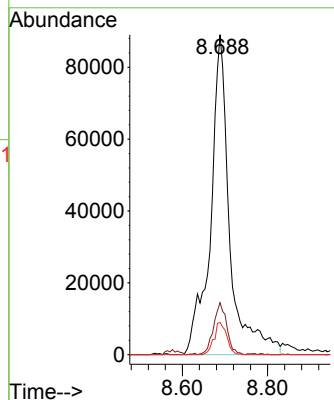


#43
Isopropyl Acetate
Concen: 50.223 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

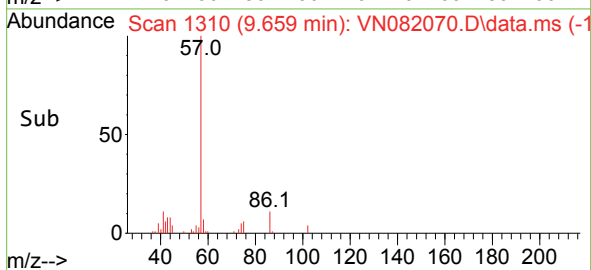
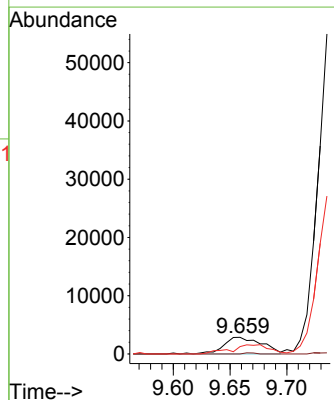
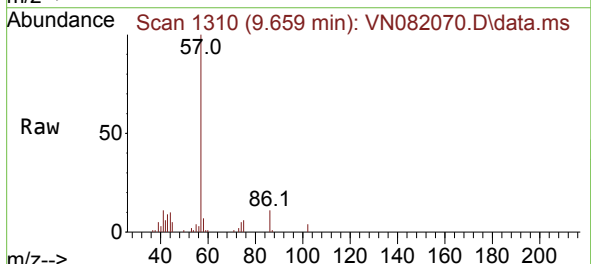


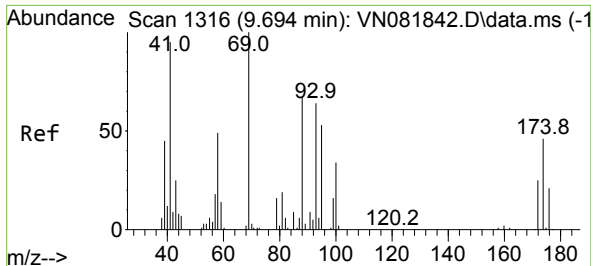
Tgt Ion: 43 Resp: 278597
Ion Ratio Lower Upper
43 100
61 11.2 22.8 34.2#
87 6.7 12.0 18.0#



#48
Methyl methacrylate
Concen: 2.526 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

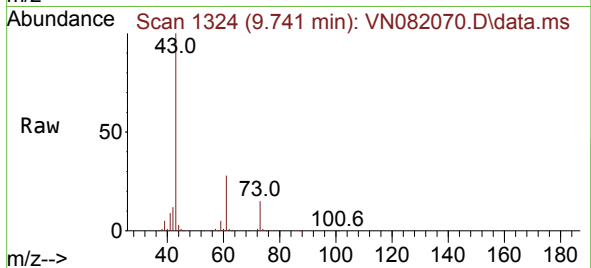
Tgt Ion: 41 Resp: 6689
Ion Ratio Lower Upper
41 100
69 1.9 77.9 116.9#
39 55.8 50.9 76.3



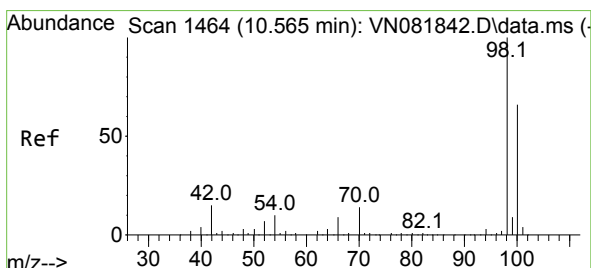
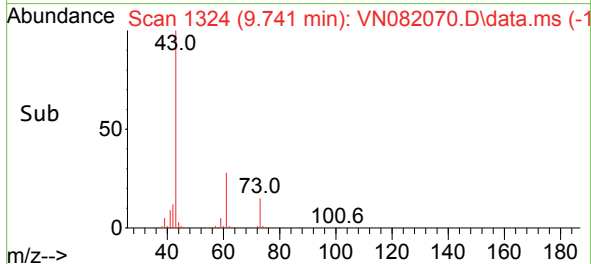
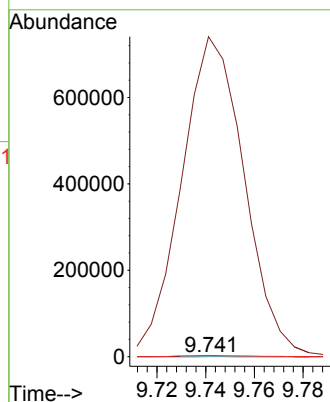


#49
1,4-Dioxane
Concen: 7.677 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

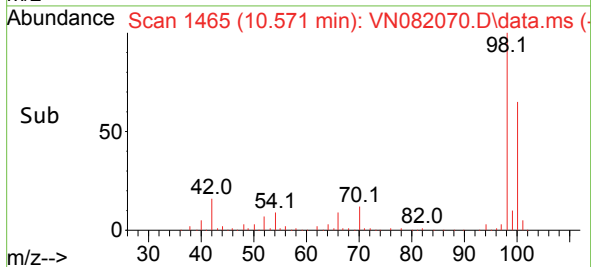
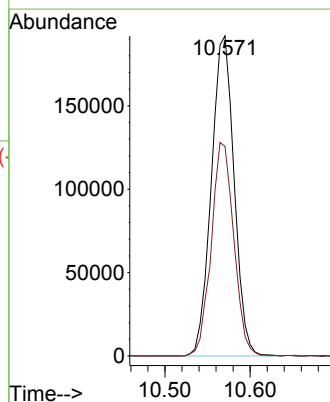
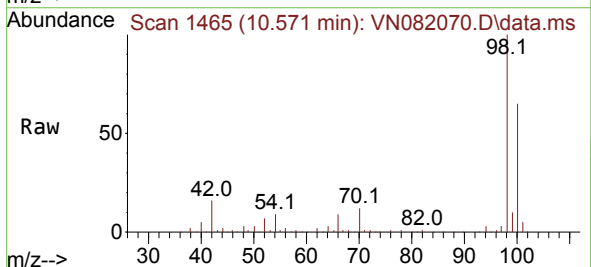


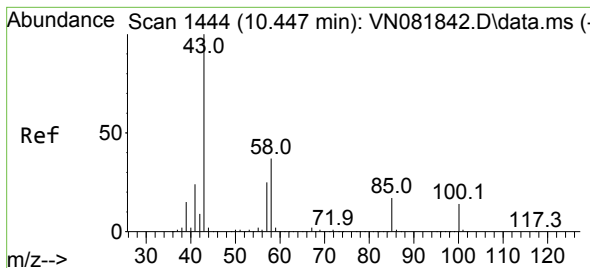
Tgt Ion: 88 Resp: 309
Ion Ratio Lower Upper
88 100
43 433654.7 19.0 28.6#
58 1744.7 50.6 76.0#



#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Tgt Ion: 98 Resp: 356352
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6

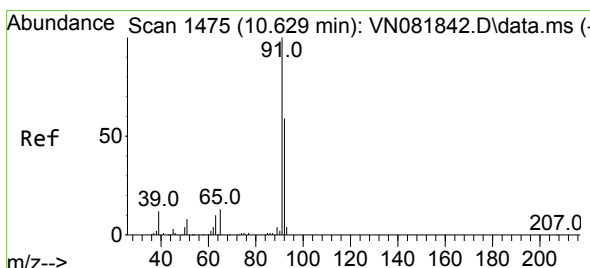
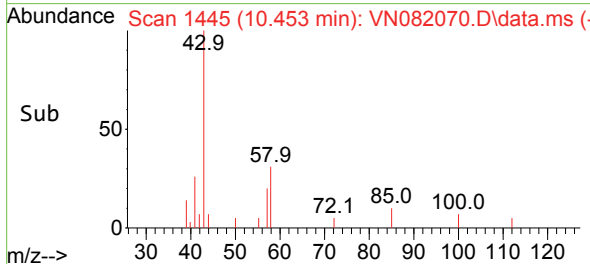
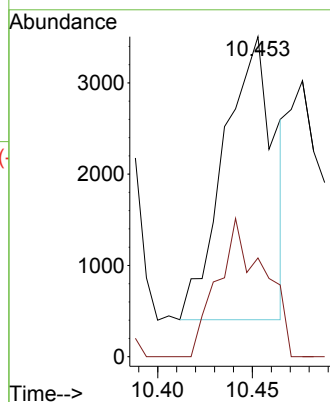
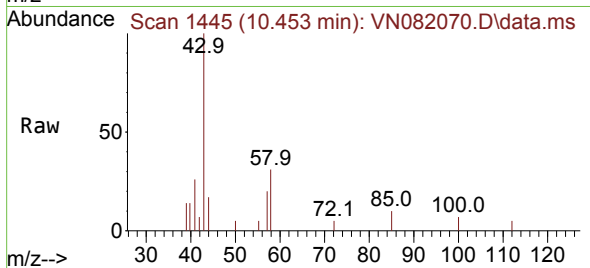




#51
4-Methyl-2-Pentanone
Concen: 1.837 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

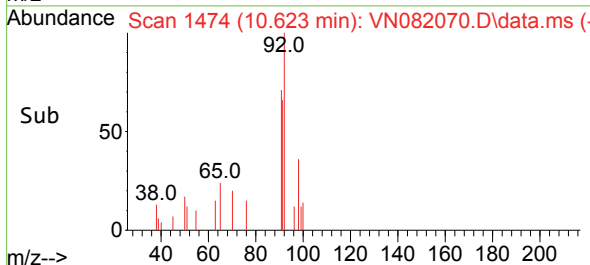
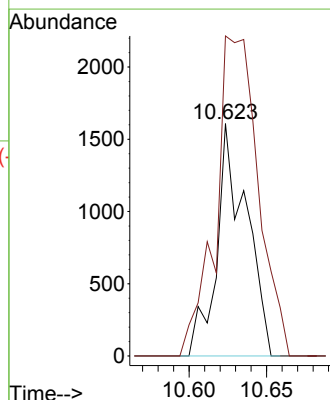
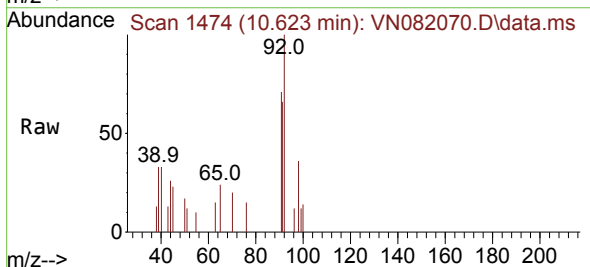
Instrument :
MSVOA_N
ClientSampleId :

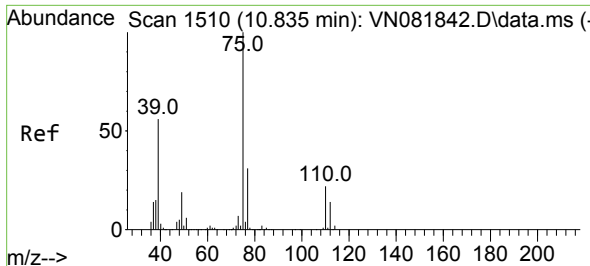
Tgt Ion: 43 Resp: 5735
Ion Ratio Lower Upper
43 100
58 44.9 33.2 49.8



#52
Toluene
Concen: 0.435 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

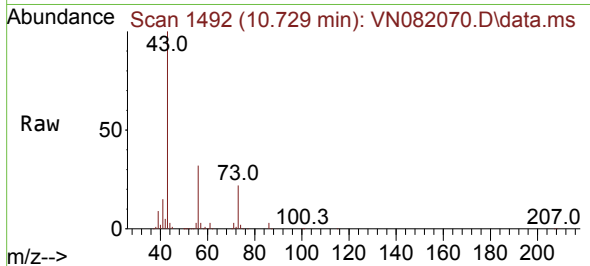
Tgt Ion: 92 Resp: 2134
Ion Ratio Lower Upper
92 100
91 197.5 136.7 205.1



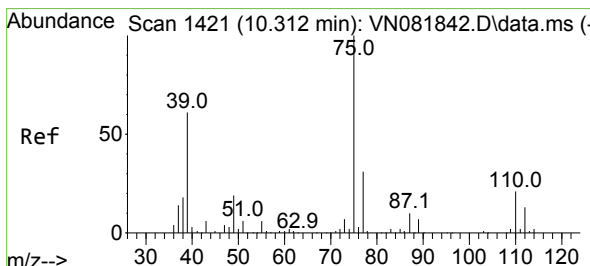
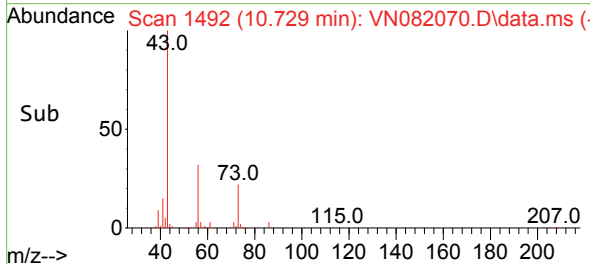
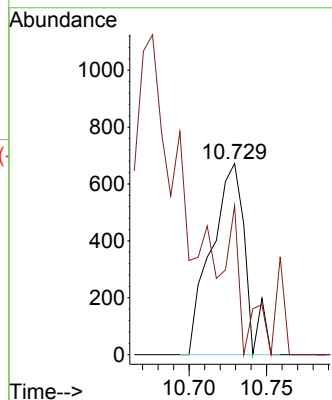


#53
t-1,3-Dichloropropene
Concen: 0.304 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

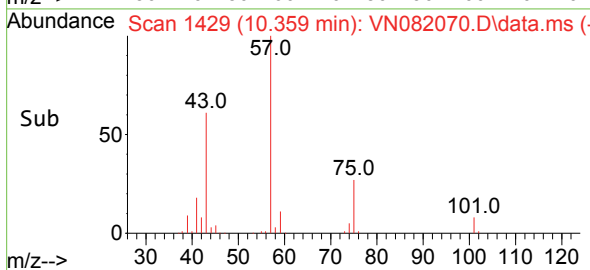
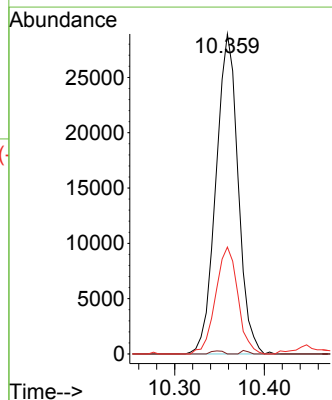
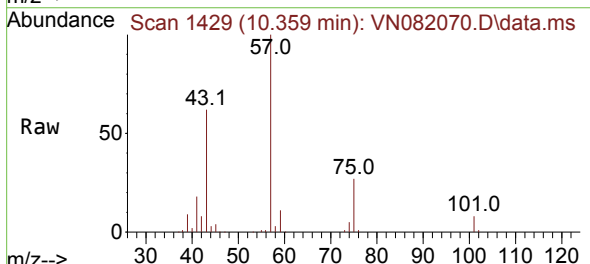


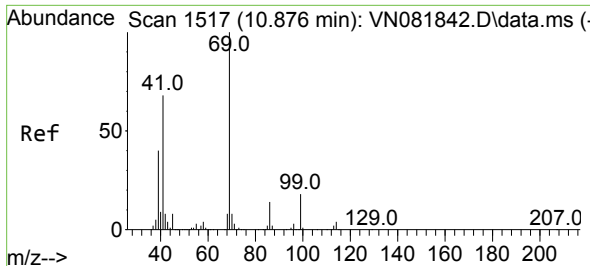
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 26.8 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 14.160 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

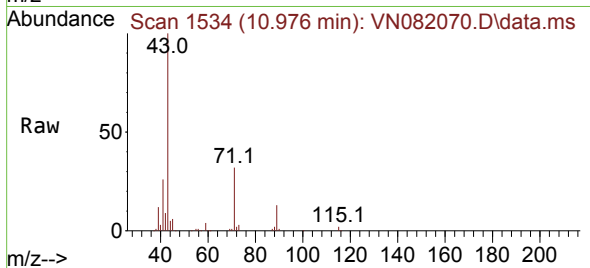
Tgt Ion: 75 Resp: 49619
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 33.4 34.8 52.2#



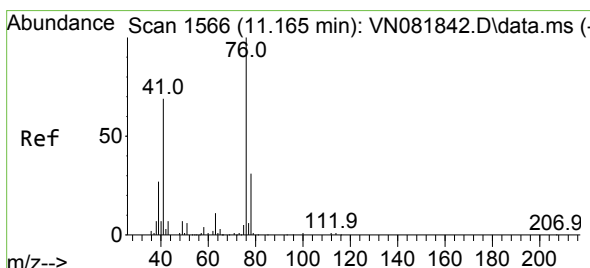
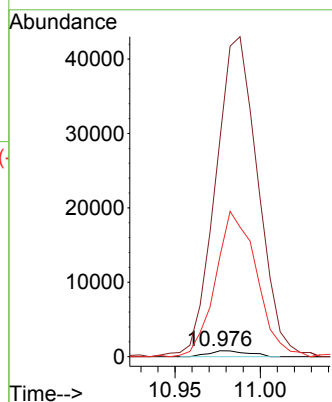
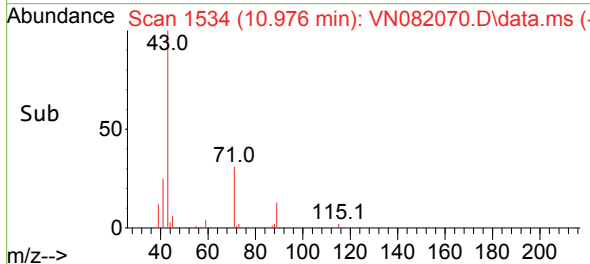


#56
Ethyl methacrylate
Concen: 0.349 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :

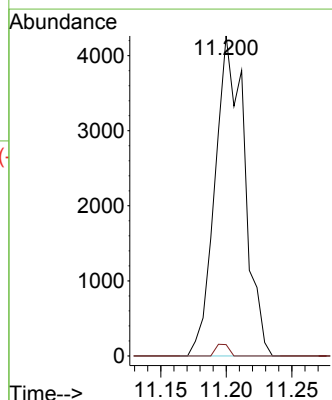
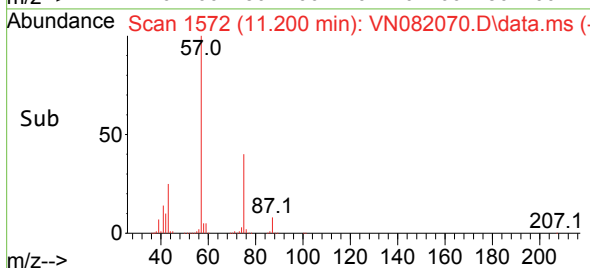
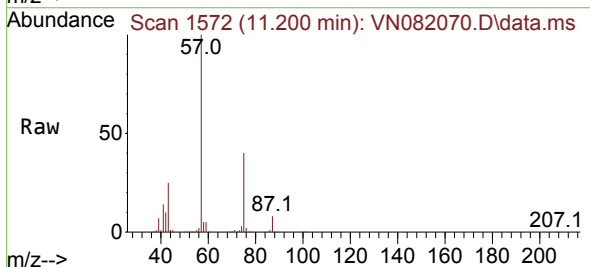


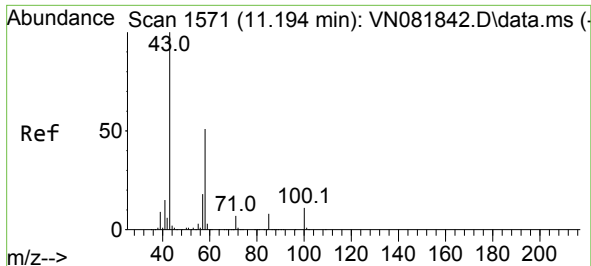
Tgt Ion: 69 Resp: 1282
Ion Ratio Lower Upper
69 100
41 5819.7 46.6 70.0#
39 2565.3 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.943 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

Tgt Ion: 76 Resp: 6663
Ion Ratio Lower Upper
76 100
78 1.6 25.8 38.6#

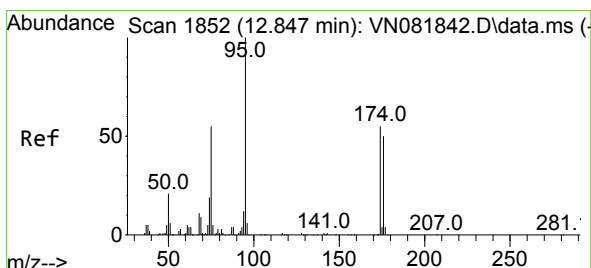
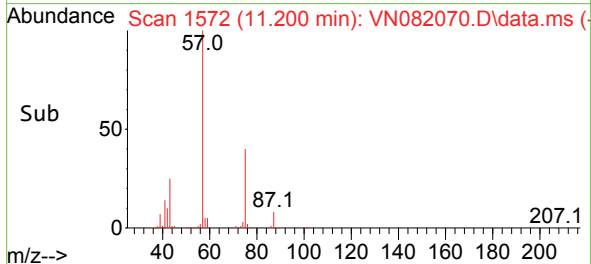
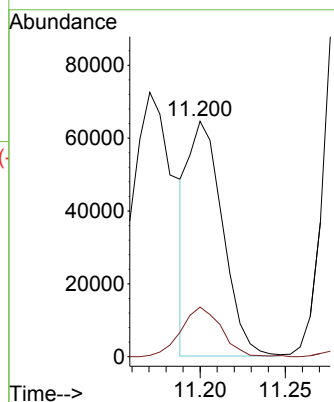
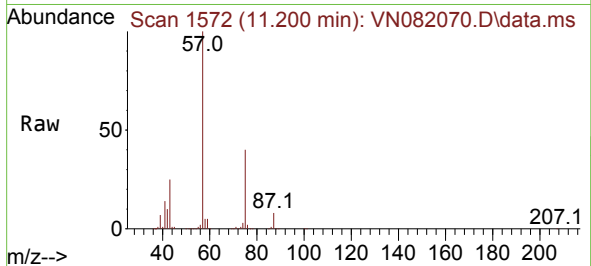




#59
2-Hexanone
Concen: 39.033 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

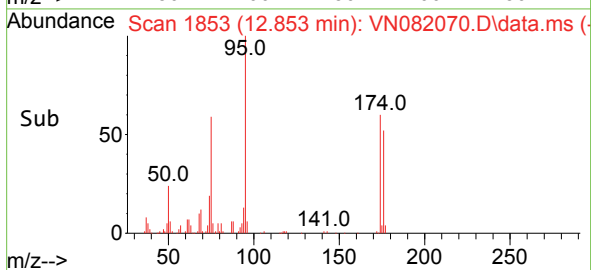
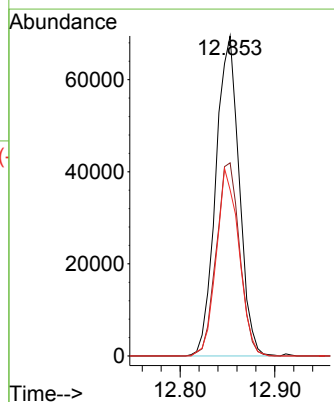
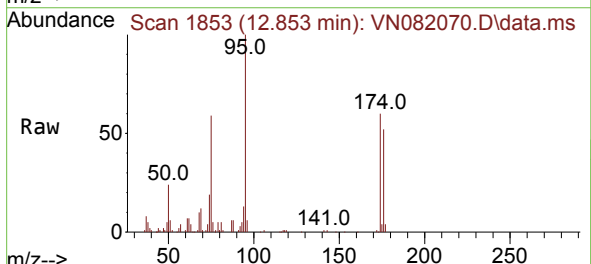
Instrument :
MSVOA_N
ClientSampleId :

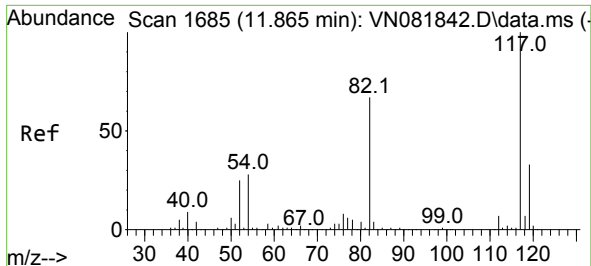
Tgt Ion: 43 Resp: 90712
Ion Ratio Lower Upper
43 100
58 24.8 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.721 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

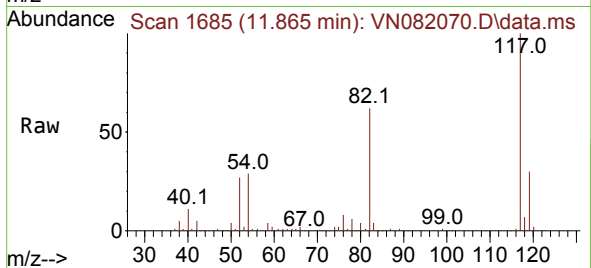
Tgt Ion: 95 Resp: 119054
Ion Ratio Lower Upper
95 100
174 60.4 0.0 160.6
176 56.8 0.0 152.8



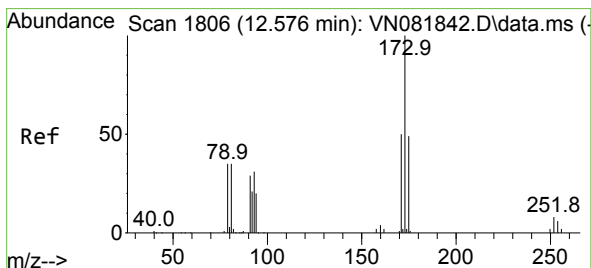
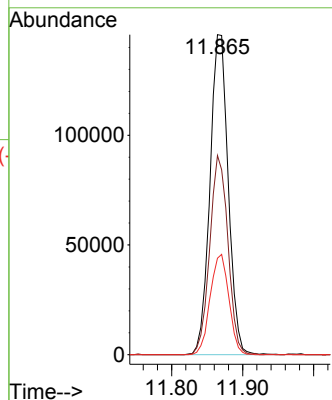
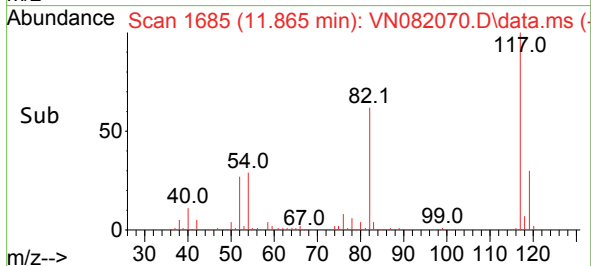


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22

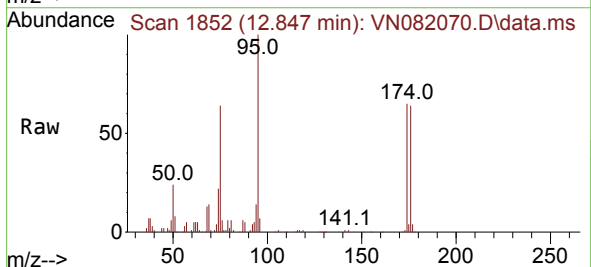
Instrument :
MSVOA_N
ClientSampleId :



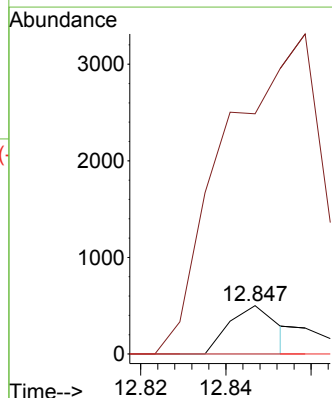
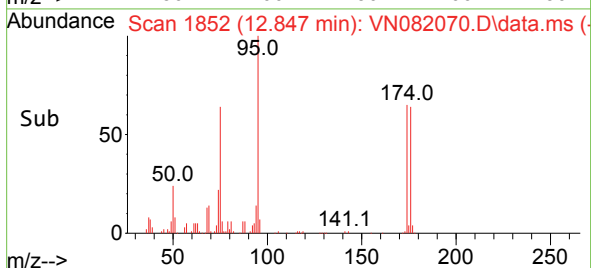
Tgt Ion:117 Resp: 260480
Ion Ratio Lower Upper
117 100
82 62.3 44.6 66.8
119 30.1 25.9 38.9

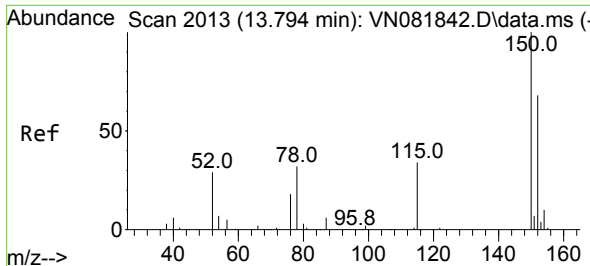


#71
Bromoform
Concen: 0.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082070.D
Acq: 10 May 2024 15:22



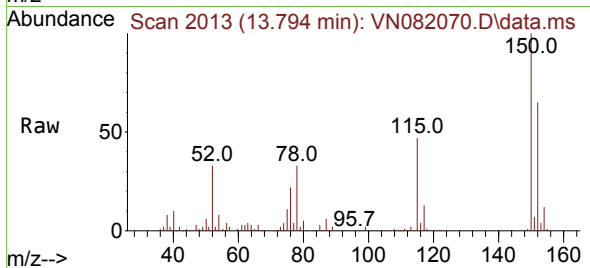
Tgt Ion:173 Resp: 399
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



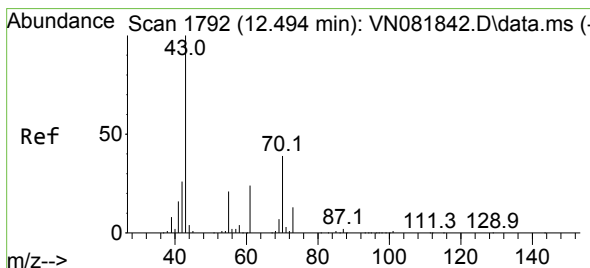
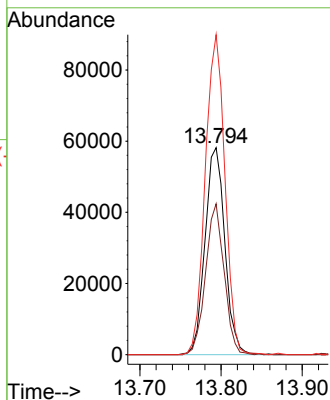
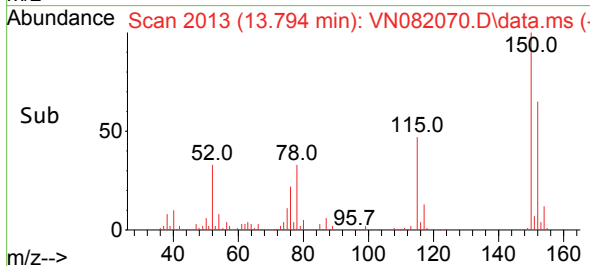


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082070.D
 Acq: 10 May 2024 15:22

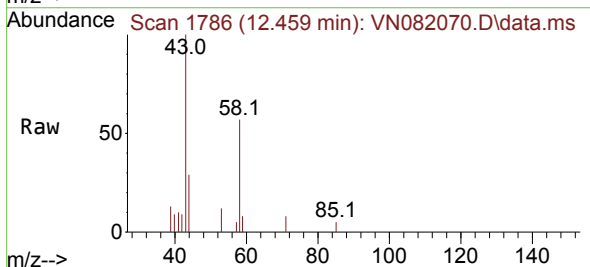
Instrument :
 MSVOA_N
 ClientSampleId :



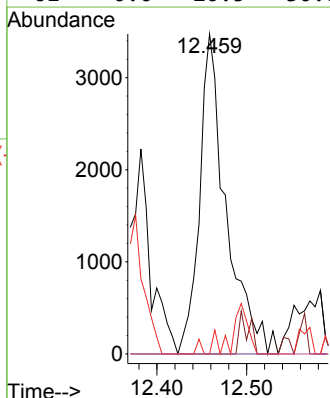
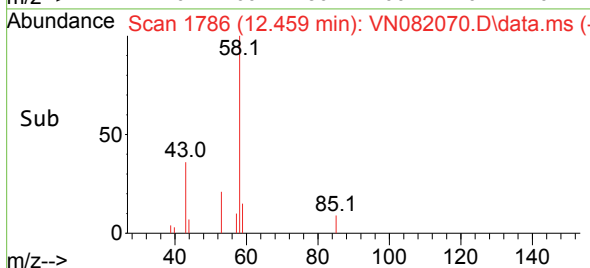
Tgt Ion:152 Resp: 98761
 Ion Ratio Lower Upper
 152 100
 115 68.3 30.4 91.3
 150 152.7 0.0 353.2

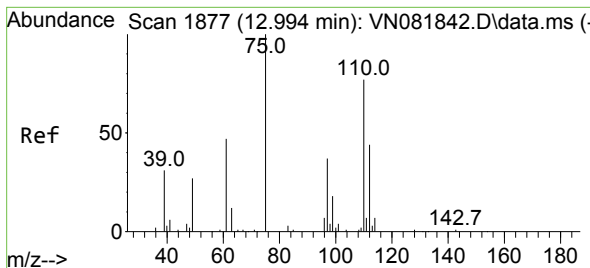


#74
 N-ethyl acetate
 Concen: 1.459 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN082070.D
 Acq: 10 May 2024 15:22



Tgt Ion: 43 Resp: 7135
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.3 31.9#
 61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 28.174 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082070.D

Acq: 10 May 2024 15:22

Instrument :

MSVOA_N

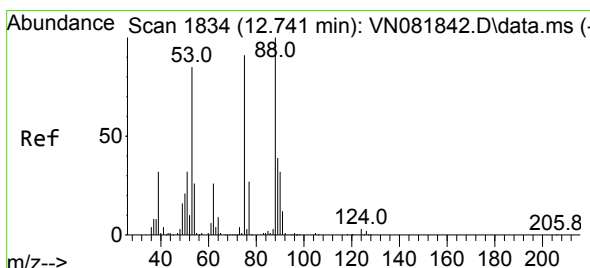
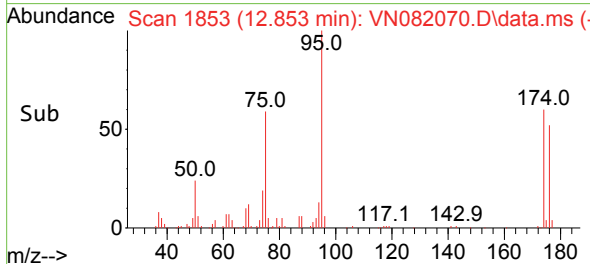
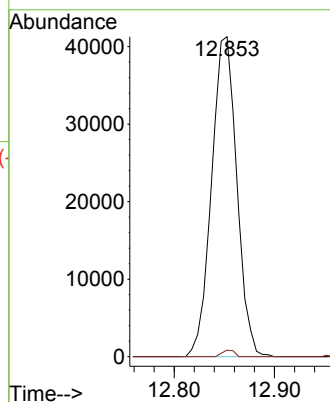
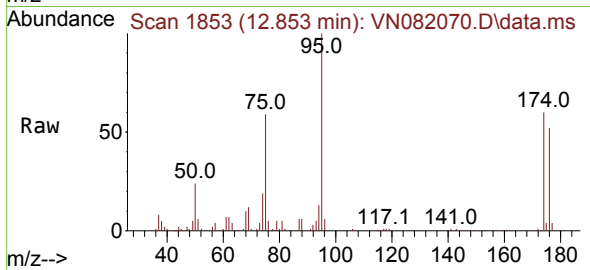
ClientSampleId :

Tgt Ion: 75 Resp: 72143

Ion Ratio Lower Upper

75 100

77 1.0 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.731 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082070.D

Acq: 10 May 2024 15:22

Tgt Ion: 75 Resp: 72143

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

