

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080965.D
 Acq On : 08 Feb 2024 15:46
 Operator : JC\MD
 Sample : P1389-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:22:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

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

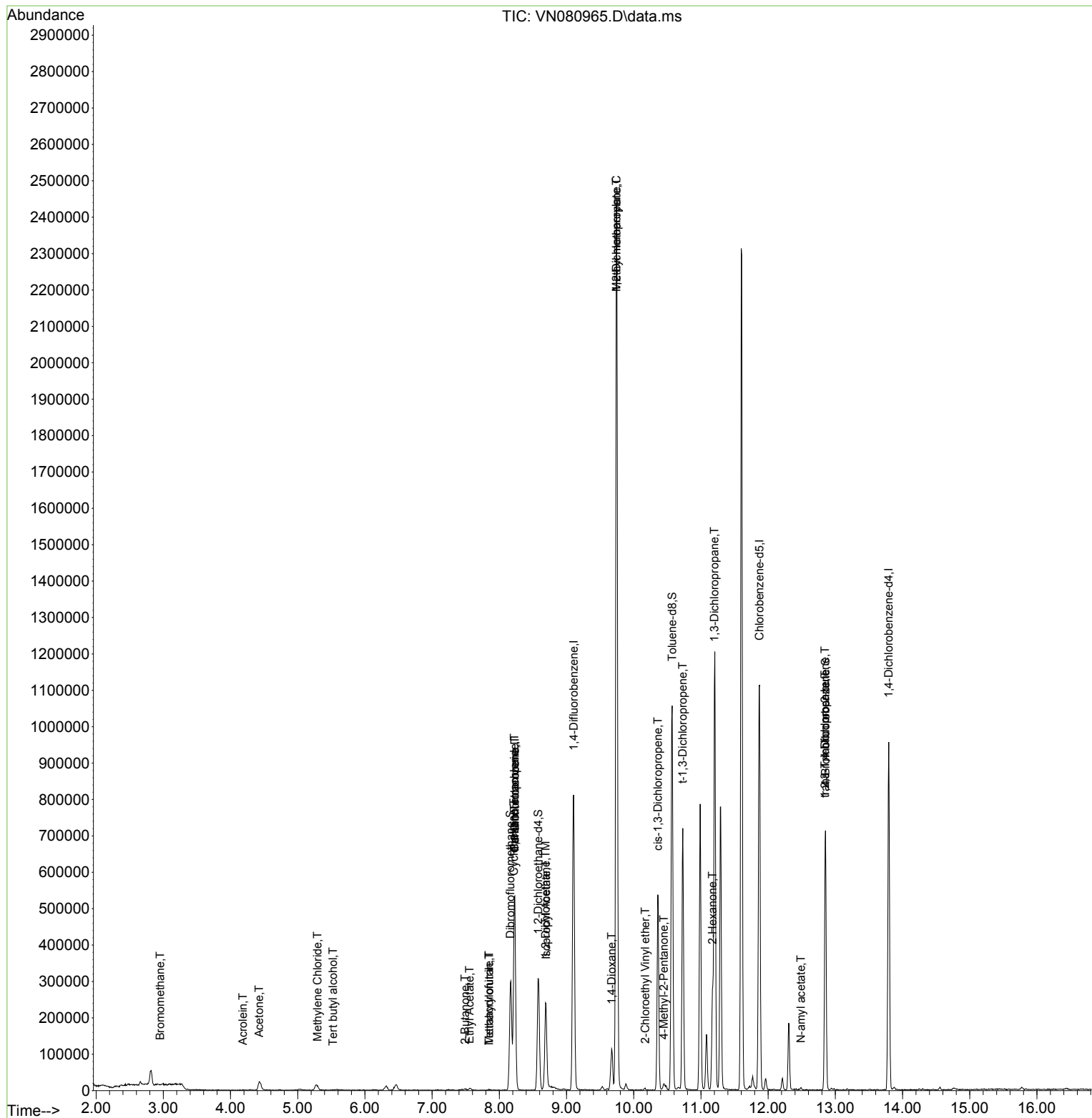
Internal Standards						
1) Pentafluorobenzene	8.230	168	380354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	714304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	667247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	252433	52.610	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.165	113	211958	55.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.600%			
50) Toluene-d8	10.571	98	743311	53.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.220%			
62) 4-Bromofluorobenzene	12.853	95	245284	48.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.366	50	1842	Below Cal		95
5) Bromomethane	2.954	94	925	0.255 ug/l #		6
11) Tert butyl alcohol	5.524	59	185	0.280 ug/l #		72
13) Acrolein	4.183	56	291	0.349 ug/l		84
16) Acetone	4.424	43	44889	28.436 ug/l		95
18) Methyl Acetate	5.042	43	4503	Below Cal #		86
20) Methylene Chloride	5.295	84	11896	2.487 ug/l #		65
25) 2-Butanone	7.489	43	5925	2.338 ug/l		97
29) Tetrahydrofuran	7.848	42	565	0.365 ug/l #		80
31) Cyclohexane	8.218	56	10116	1.543 ug/l #		45
36) 1,1-Dichloropropene	8.230	75	33134	5.811 ug/l #		52
37) Ethyl Acetate	7.559	43	8183	1.897 ug/l		96
38) Carbon Tetrachloride	8.224	117	42048	7.193 ug/l #		19
41) Methacrylonitrile	7.848	41	585	0.228 ug/l #		28
42) 1,2-Dichloroethane	8.689	62	1554	0.257 ug/l #		75
43) Isopropyl Acetate	8.695	43	273316	34.449 ug/l #		91
45) 1,2-Dichloropropane	9.742	63	3361	0.718 ug/l #		42
48) Methyl methacrylate	9.742	41	220870	49.410 ug/l #		48
49) 1,4-Dioxane	9.671	88	61	0.739 ug/l #		1
51) 4-Methyl-2-Pentanone	10.447	43	10621	2.221 ug/l #		82
53) t-1,3-Dichloropropene	10.730	75	2046	0.312 ug/l #		75
54) cis-1,3-Dichloropropene	10.359	75	98576	13.399 ug/l #		63
57) 1,3-Dichloropropane	11.200	76	13589	1.864 ug/l #		43
58) 2-Chloroethyl Vinyl ether	10.171	63	2015	0.617 ug/l		95
59) 2-Hexanone	11.171	43	201909	55.715 ug/l #		26
74) N-amyl acetate	12.488	43	2411	0.353 ug/l #		55
76) 1,2,3-Trichloropropane	12.847	75	131377	26.473 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	131377	71.925 ug/l #		14

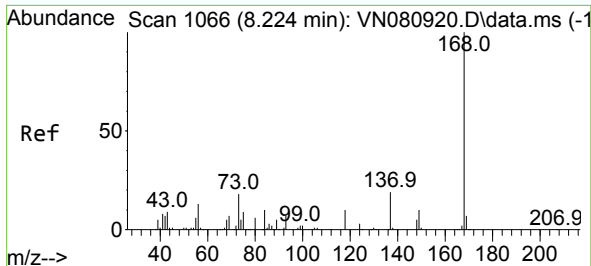
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
Data File : VN080965.D
Acq On : 08 Feb 2024 15:46
Operator : JC\MD
Sample : P1389-08RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 09 01:22:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
Response via : Initial Calibration

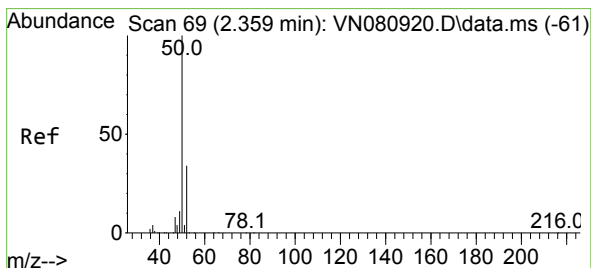
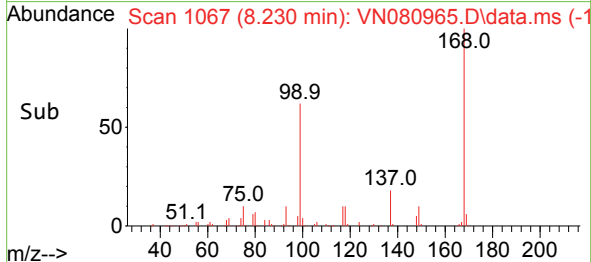
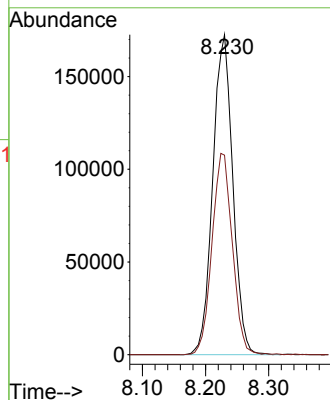
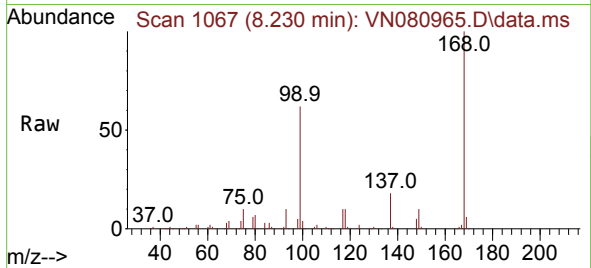




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

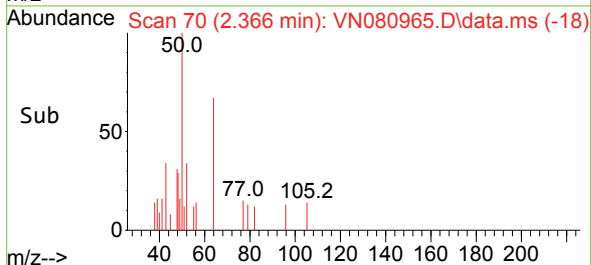
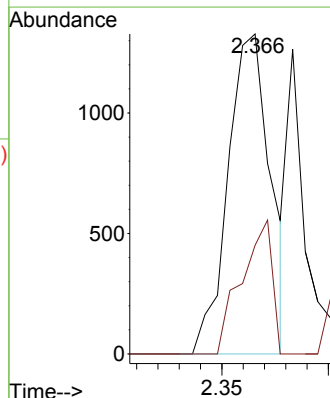
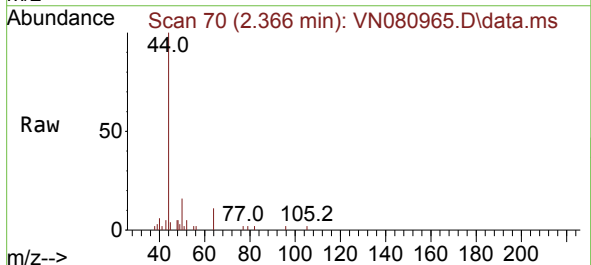
Instrument :
MSVOA_N
ClientSampleId :

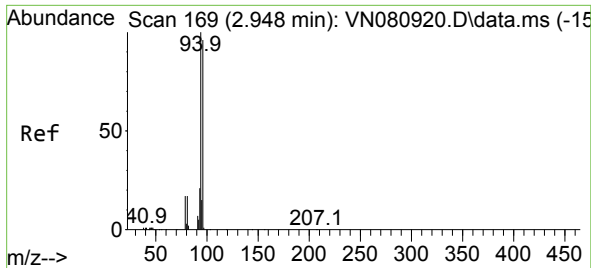
Tgt Ion:168 Resp: 380354
Ion Ratio Lower Upper
168 100
99 62.4 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.366 min Scan# 70
Delta R.T. 0.007 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 50 Resp: 1842
Ion Ratio Lower Upper
50 100
52 34.0 25.0 37.4

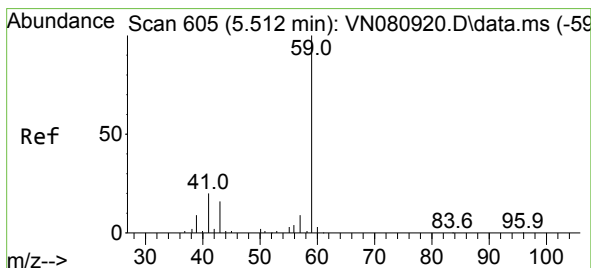
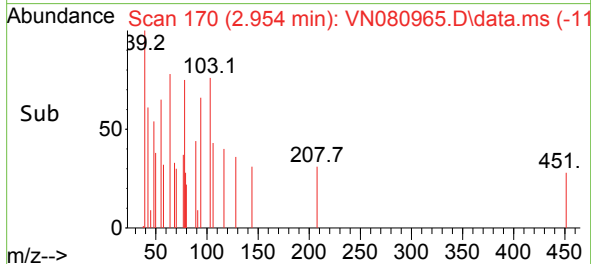
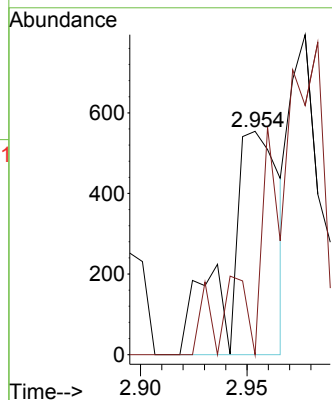
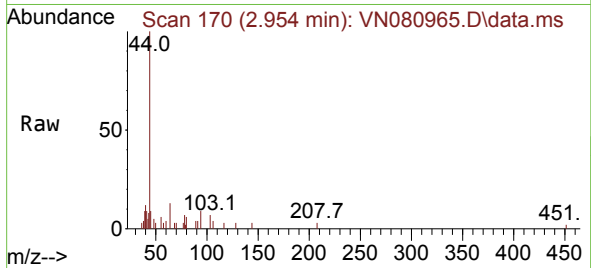




#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

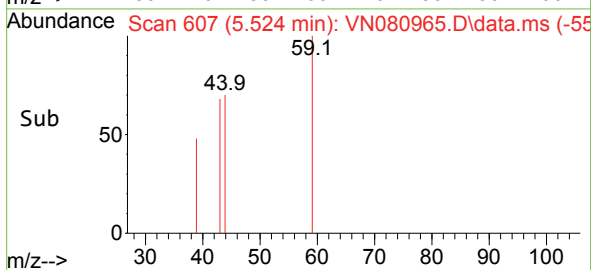
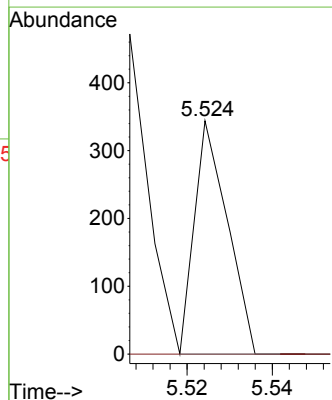
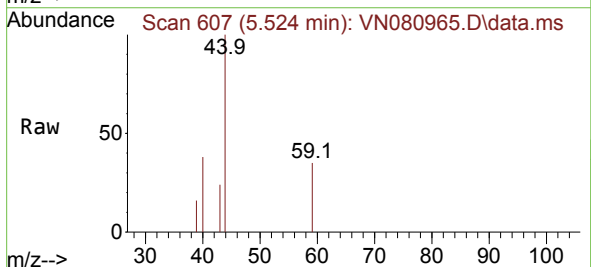
Instrument :
MSVOA_N
ClientSampleId :

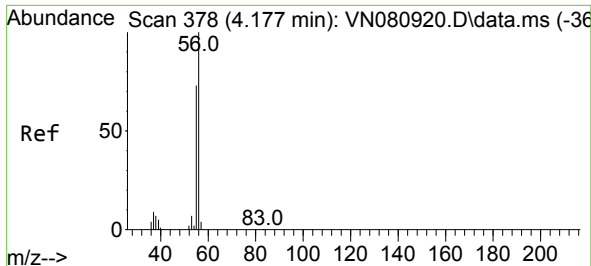
Tgt Ion: 94 Resp: 925
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#11
Tert butyl alcohol
Concen: 0.280 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.349 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

Instrument :

MSVOA_N

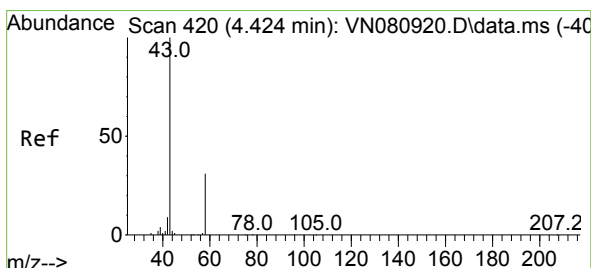
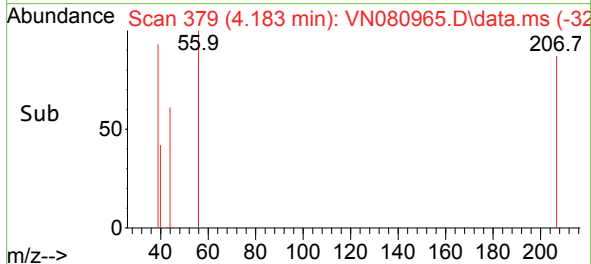
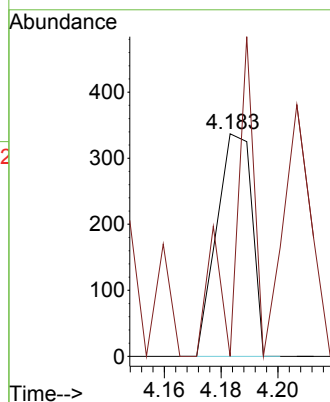
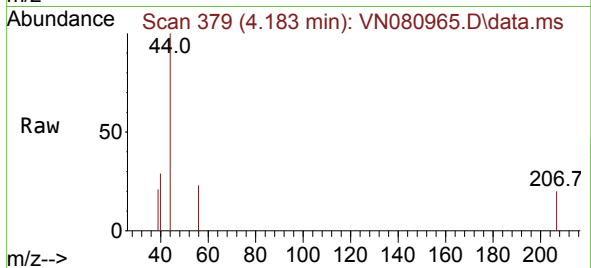
ClientSampleId :

Tgt Ion: 56 Resp: 291

Ion Ratio Lower Upper

56 100

55 82.5 55.3 82.9



#16

Acetone

Concen: 28.436 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN080965.D

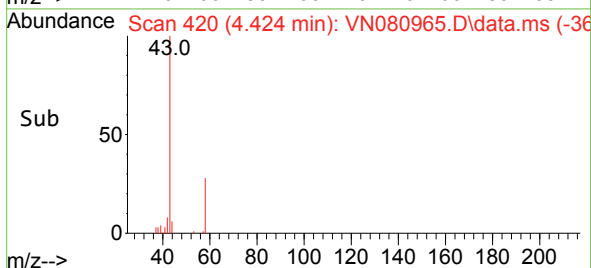
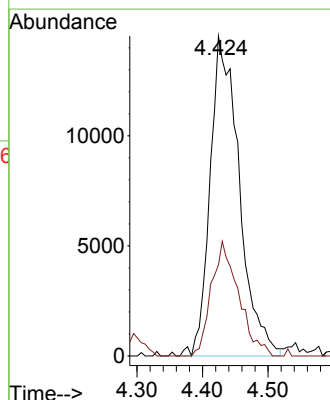
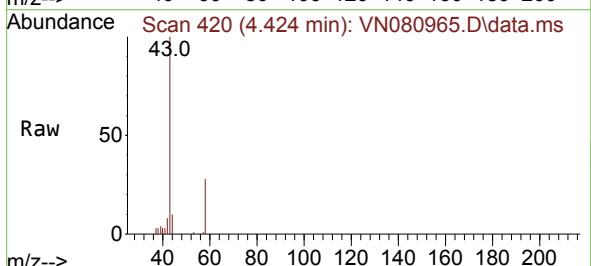
Acq: 08 Feb 2024 15:46

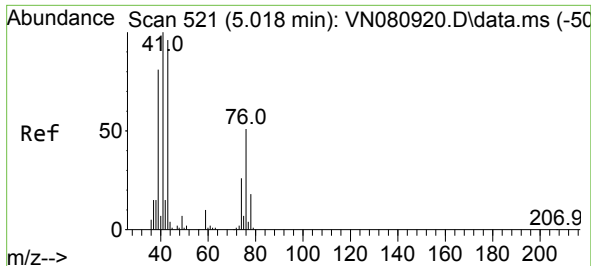
Tgt Ion: 43 Resp: 44889

Ion Ratio Lower Upper

43 100

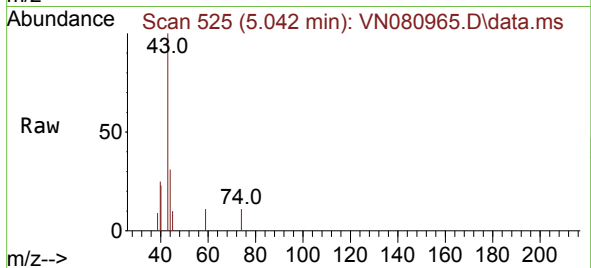
58 28.5 24.8 37.2



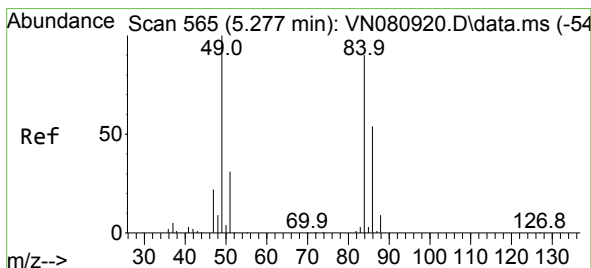
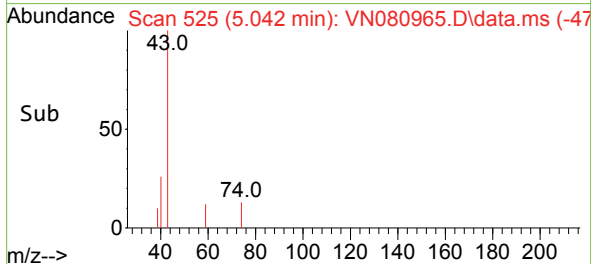
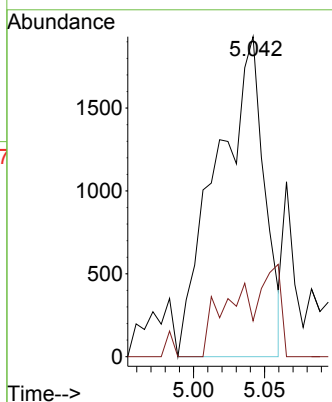


#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

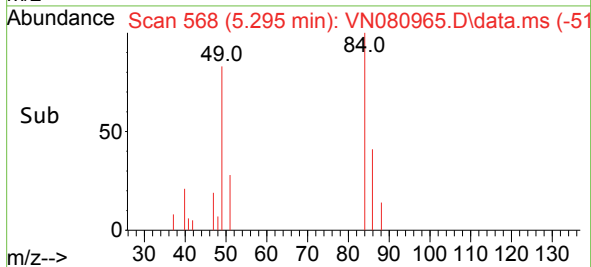
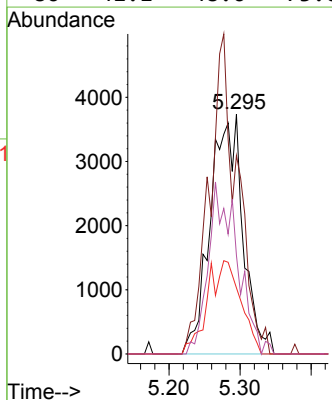
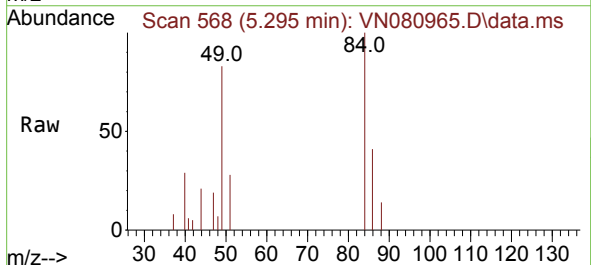


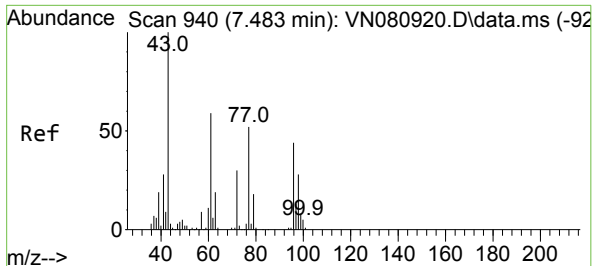
Tgt Ion: 43 Resp: 4503
Ion Ratio Lower Upper
43 100
74 15.0 17.3 25.9#



#20
Methylene Chloride
Concen: 2.487 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.018 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

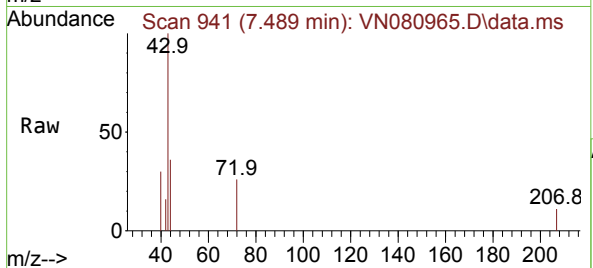
Tgt Ion: 84 Resp: 11896
Ion Ratio Lower Upper
84 100
49 82.7 108.1 162.1#
51 27.6 32.9 49.3#
86 41.1 48.6 73.0#



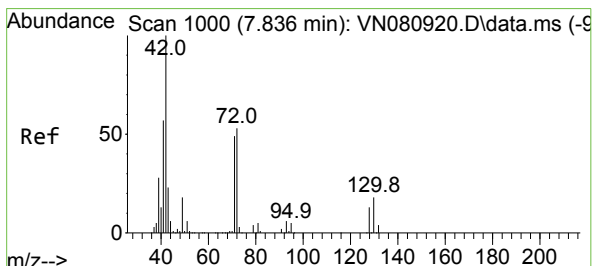
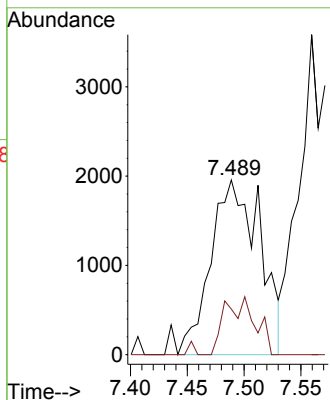
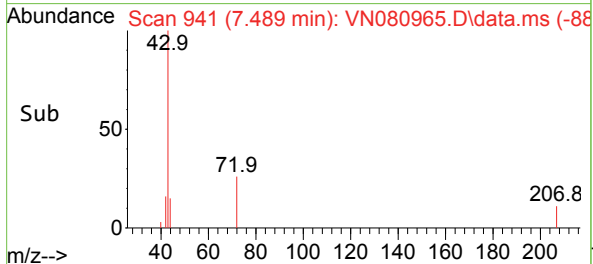


#25
2-Butanone
Concen: 2.338 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

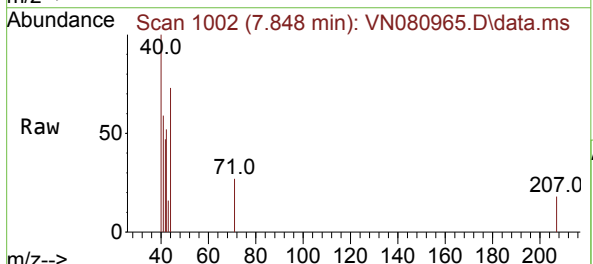
Instrument :
MSVOA_N
ClientSampleId :



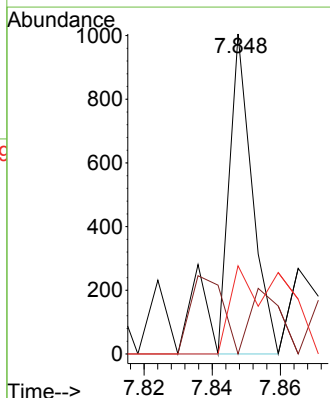
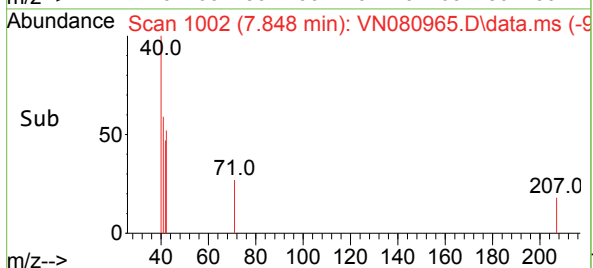
Tgt Ion: 43 Resp: 5925
Ion Ratio Lower Upper
43 100
72 26.1 19.5 29.3

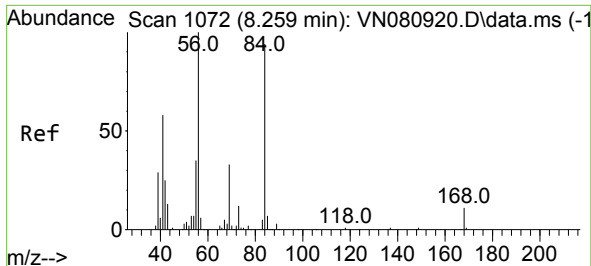


#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 7.848 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46



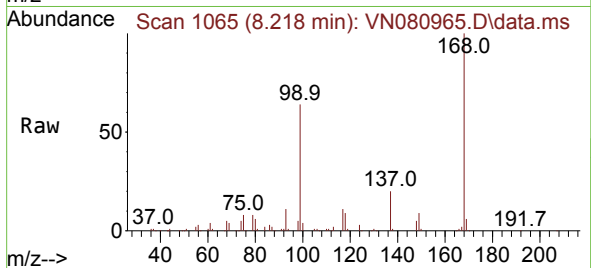
Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 32.9 31.1 46.7
71 53.5 28.3 42.5#



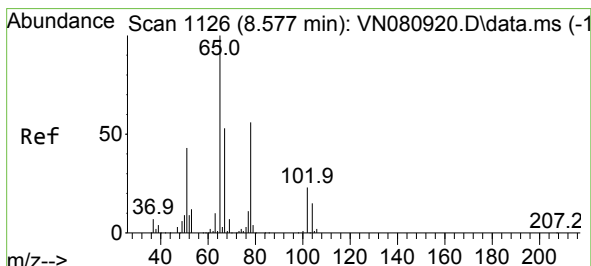
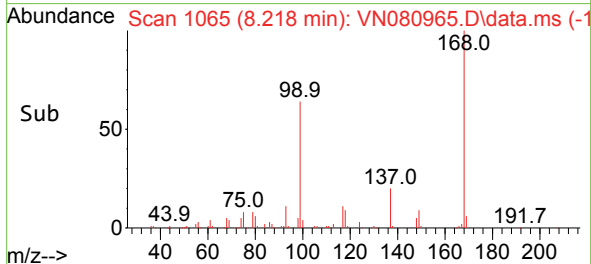
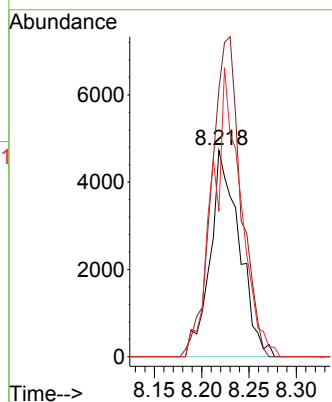


#31
Cyclohexane
Concen: 1.543 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

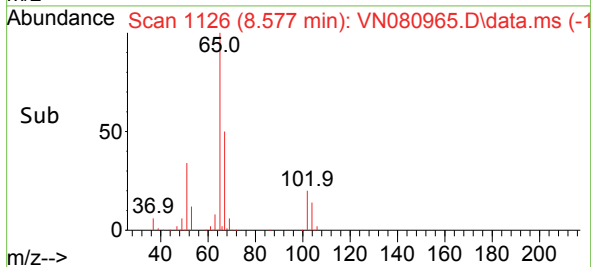
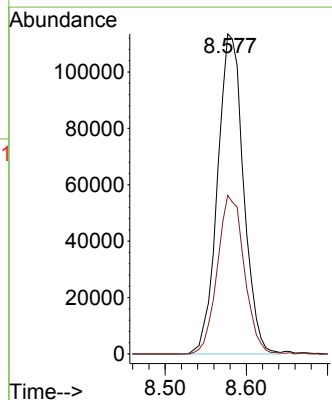
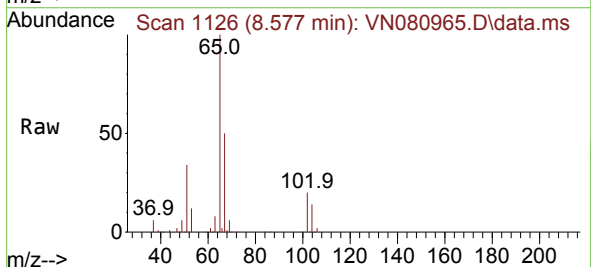


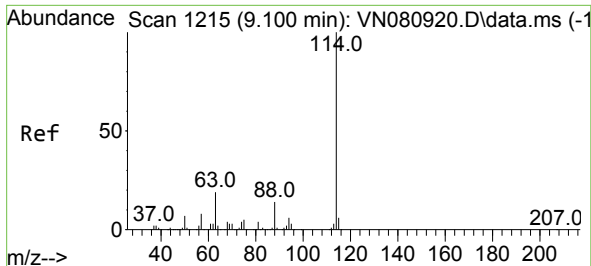
Tgt Ion: 56 Resp: 10116
Ion Ratio Lower Upper
56 100
69 129.8 20.1 30.1#
84 70.5 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 52.610 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 65 Resp: 252433
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

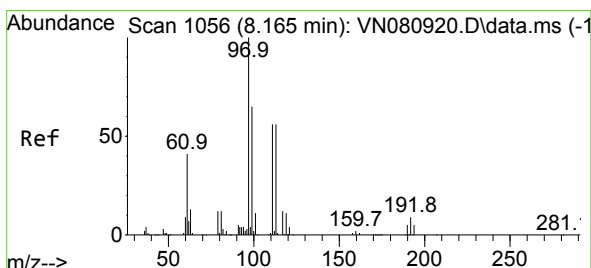
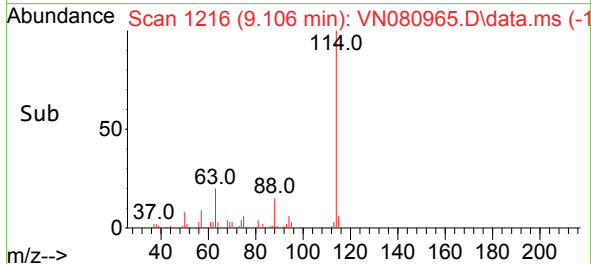
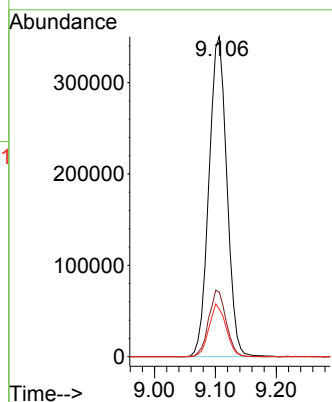
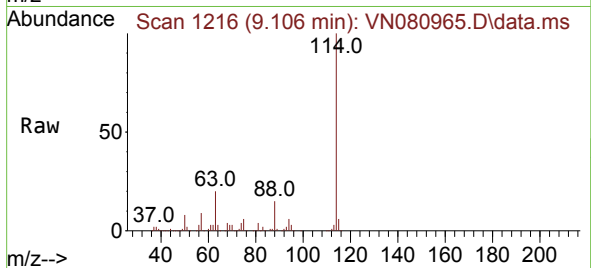




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

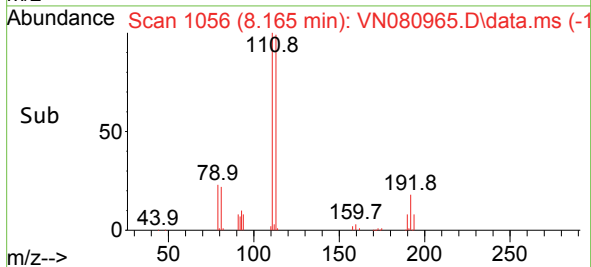
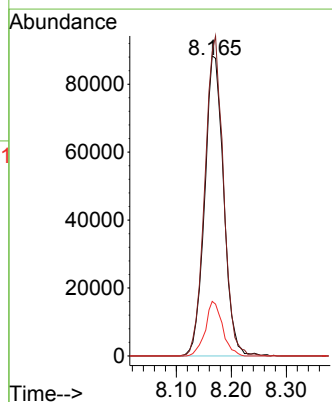
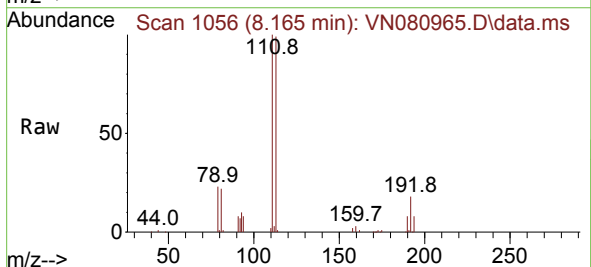
Instrument :
MSVOA_N
ClientSampleId :

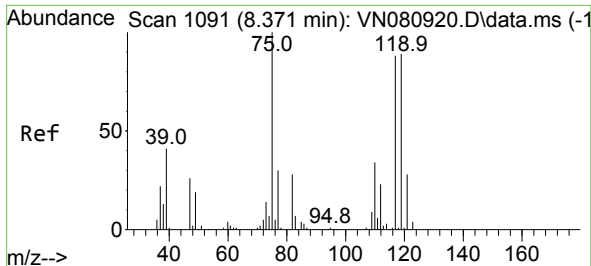
Tgt Ion:114 Resp: 714304
Ion Ratio Lower Upper
114 100
63 20.2 0.0 48.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 55.299 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

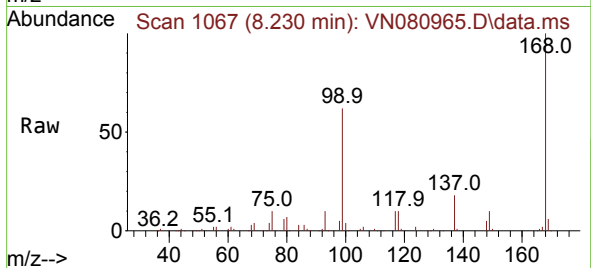
Tgt Ion:113 Resp: 211958
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 16.5 12.5 18.7



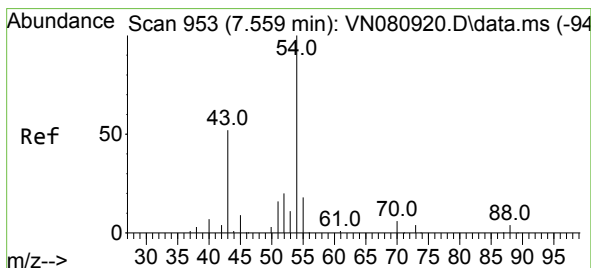
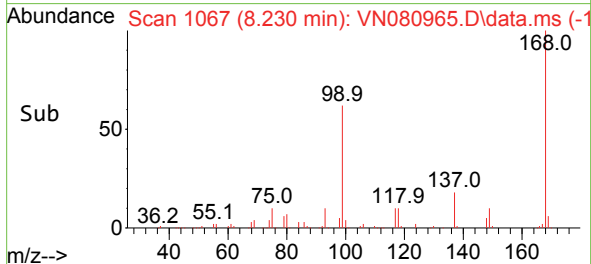
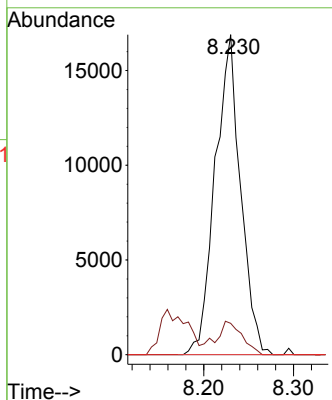


#36
1,1-Dichloropropene
Concen: 5.811 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

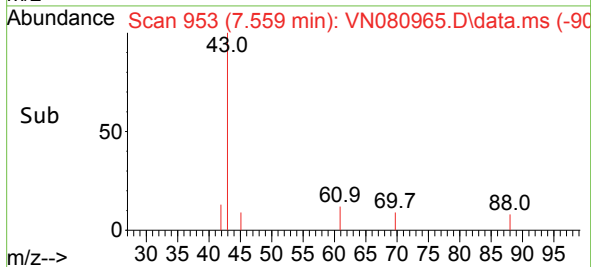
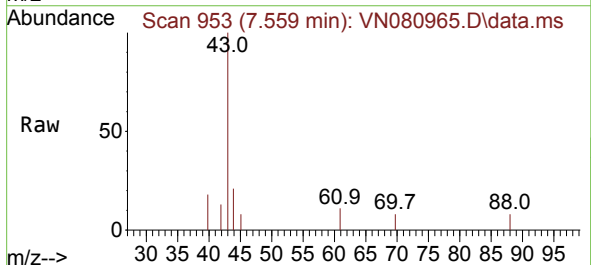
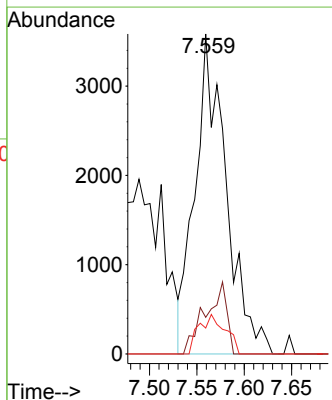


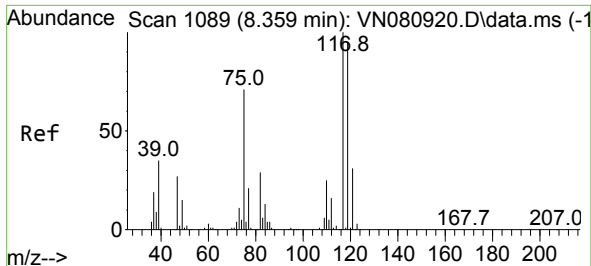
Tgt Ion: 75 Resp: 33134
Ion Ratio Lower Upper
75 100
110 10.3 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.897 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

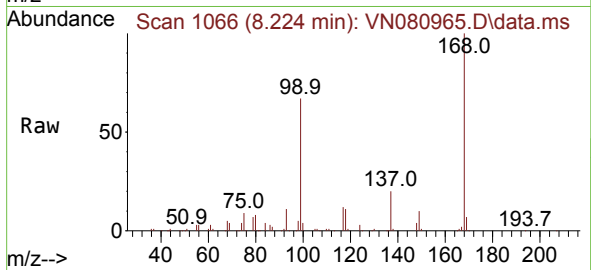
Tgt Ion: 43 Resp: 8183
Ion Ratio Lower Upper
43 100
61 15.5 10.6 15.8
70 10.5 8.0 12.0



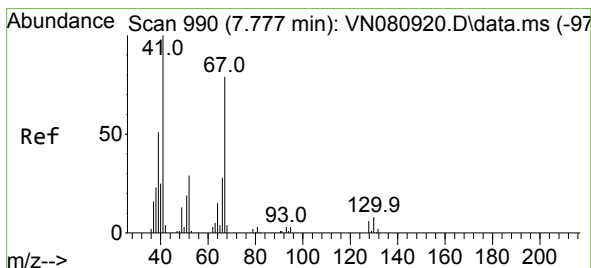
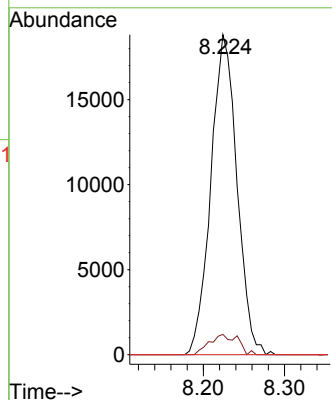
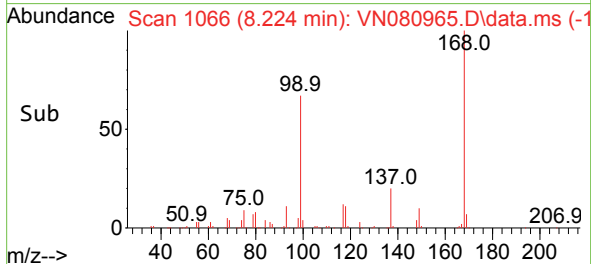


#38
Carbon Tetrachloride
Concen: 7.193 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

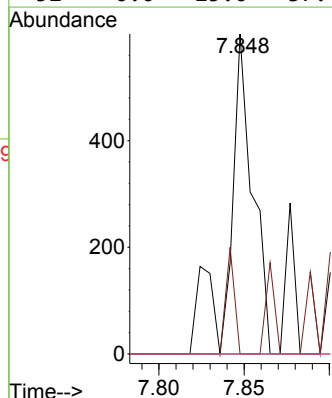
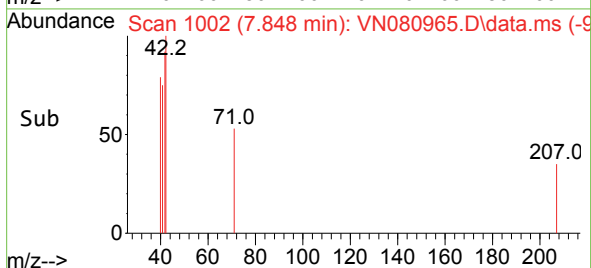
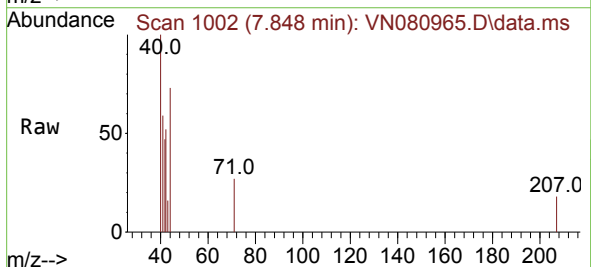


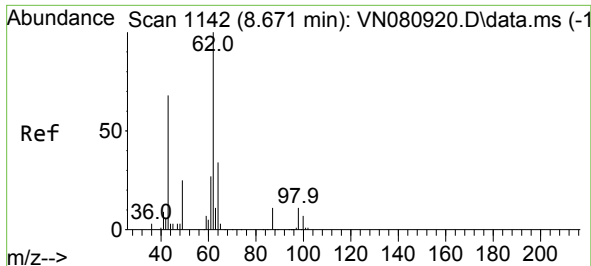
Tgt Ion:117 Resp: 42048
Ion Ratio Lower Upper
117 100
119 6.3 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 7.848 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 41 Resp: 585
Ion Ratio Lower Upper
41 100
39 12.1 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.257 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

Instrument :

MSVOA_N

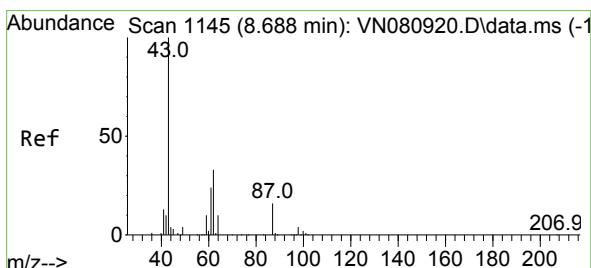
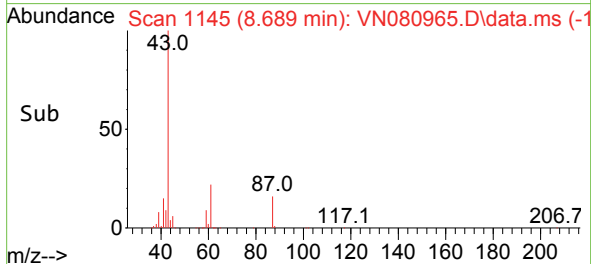
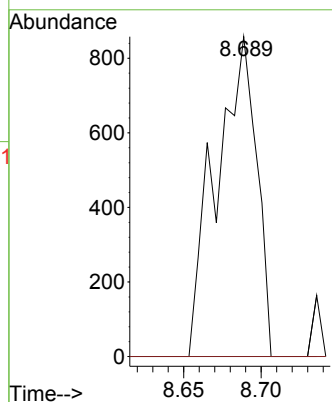
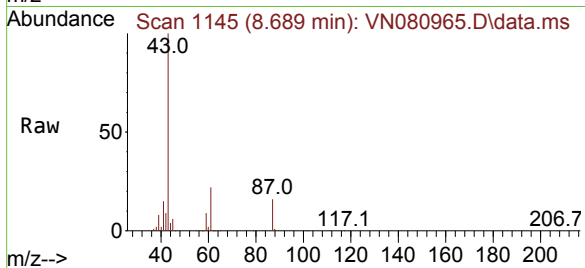
ClientSampleId :

Tgt Ion: 62 Resp: 1554

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 34.449 ug/l

RT: 8.695 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

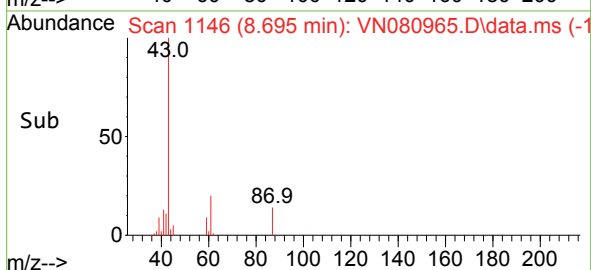
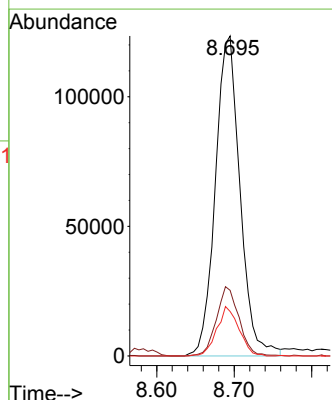
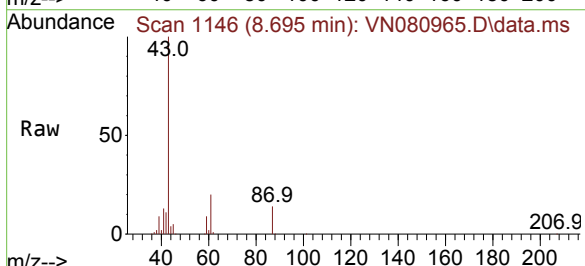
Tgt Ion: 43 Resp: 273316

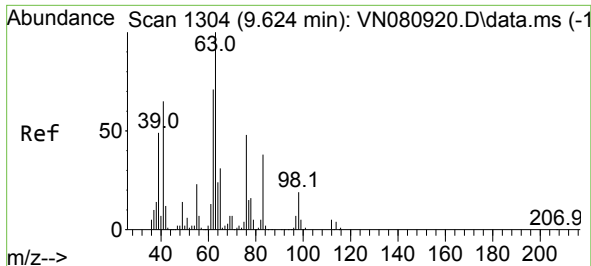
Ion Ratio Lower Upper

43 100

61 19.8 19.9 29.9#

87 13.8 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.718 ug/l

RT: 9.742 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

Instrument :

MSVOA_N

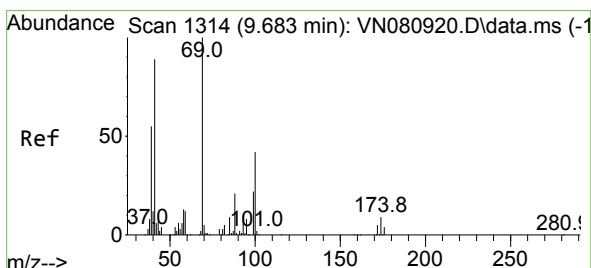
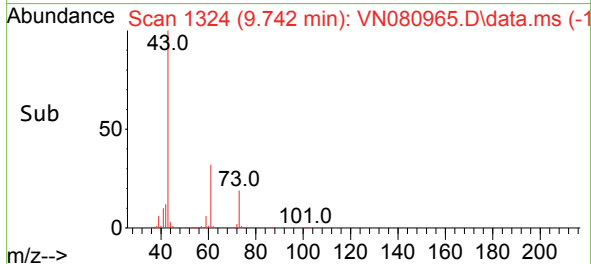
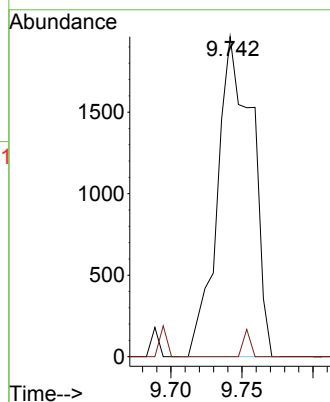
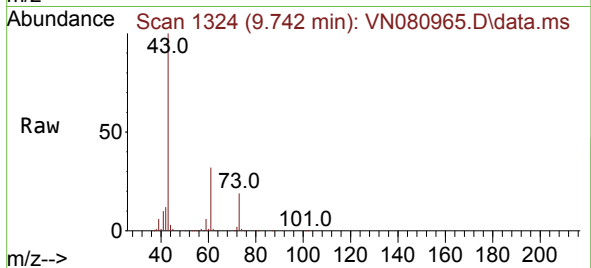
ClientSampleId :

Tgt Ion: 63 Resp: 3361

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 49.410 ug/l

RT: 9.742 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

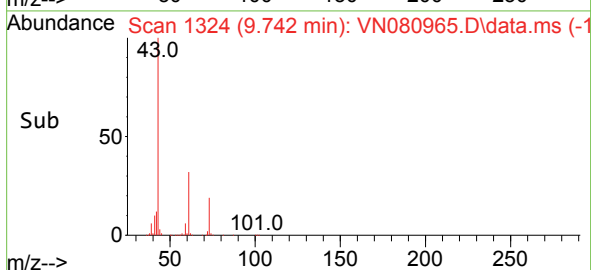
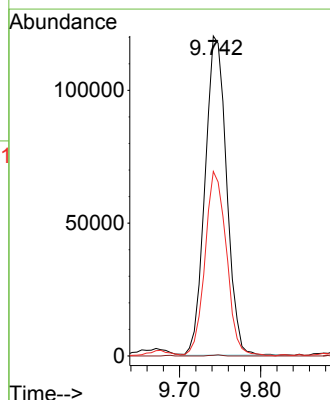
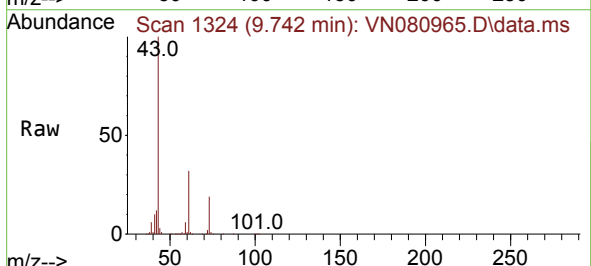
Tgt Ion: 41 Resp: 220870

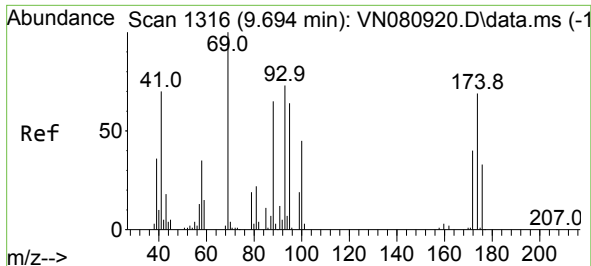
Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.2#

39 57.7 47.6 71.4





#49

1,4-Dioxane

Concen: 0.739 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.023 min

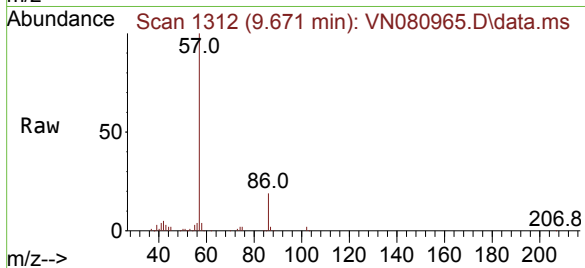
Lab File: VN080965.D

Acq: 08 Feb 2024 15:46

Instrument :

MSVOA_N

ClientSampleId :



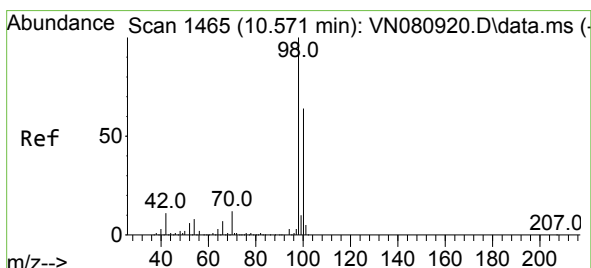
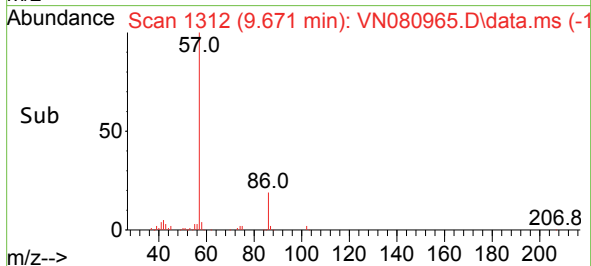
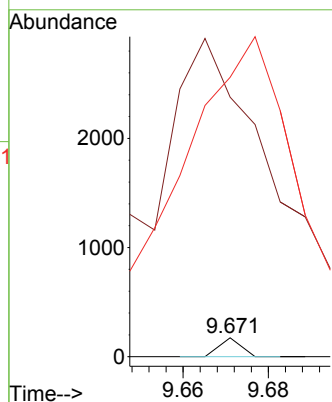
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 9749.2 63.9 95.9#



#50

Toluene-d8

Concen: 53.614 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080965.D

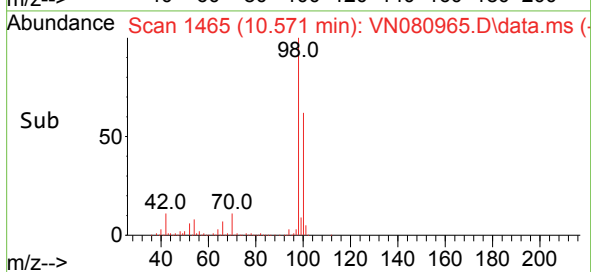
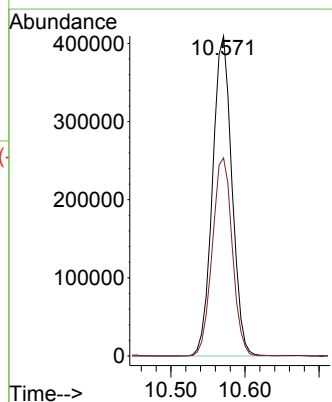
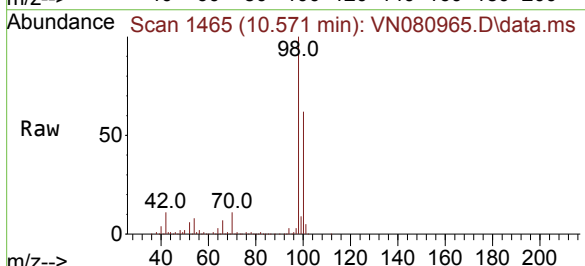
Acq: 08 Feb 2024 15:46

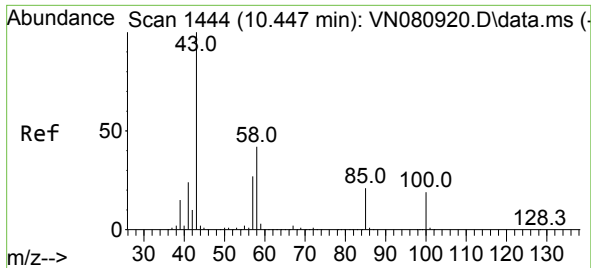
Tgt Ion: 98 Resp: 743311

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0

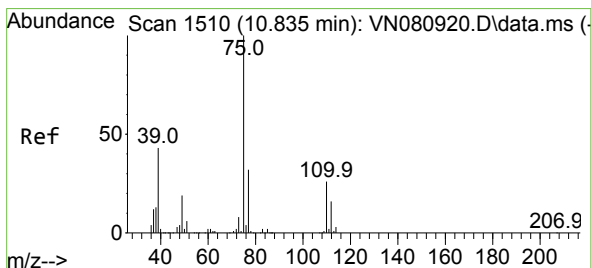
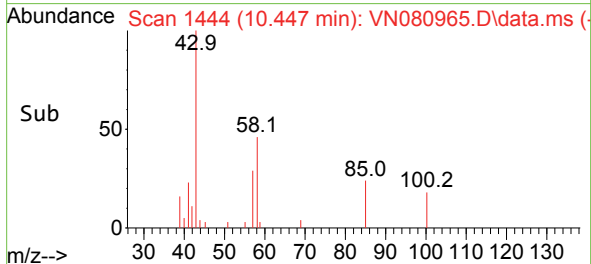
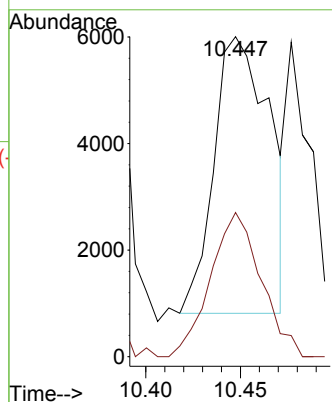
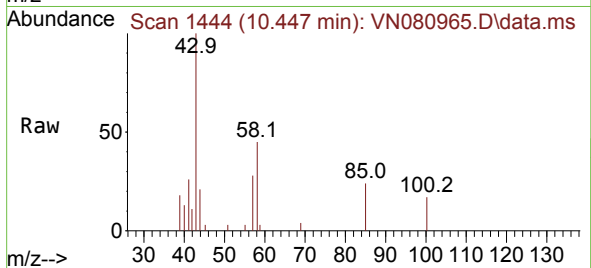




#51
4-Methyl-2-Pentanone
Concen: 2.221 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

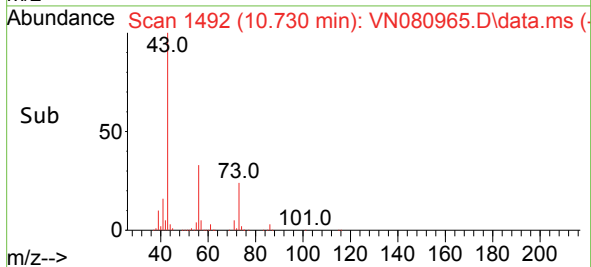
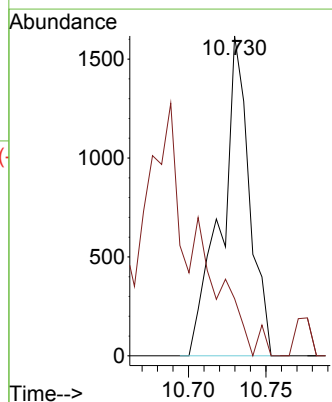
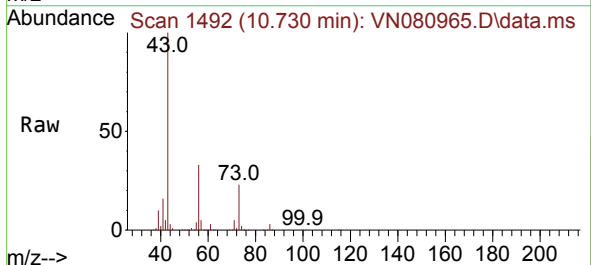
Instrument :
MSVOA_N
ClientSampleId :

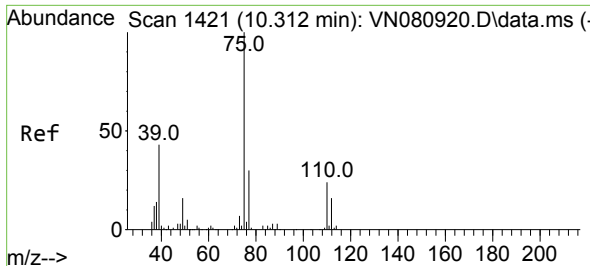
Tgt Ion: 43 Resp: 10621
Ion Ratio Lower Upper
43 100
58 47.2 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 75 Resp: 2046
Ion Ratio Lower Upper
75 100
77 17.9 25.5 38.3#

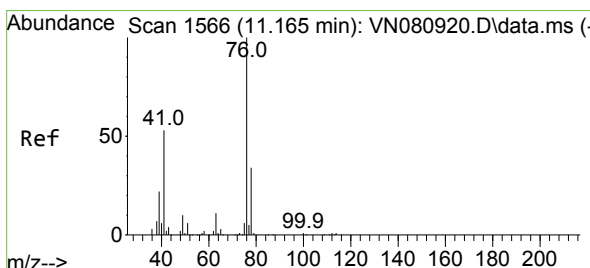
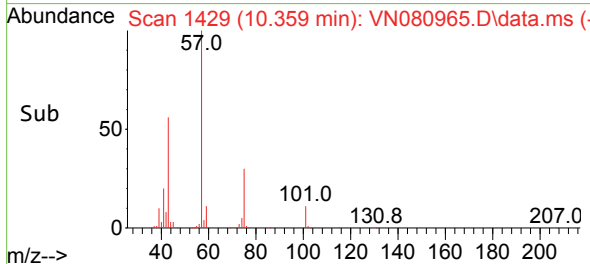
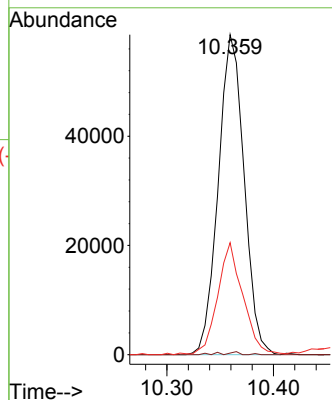
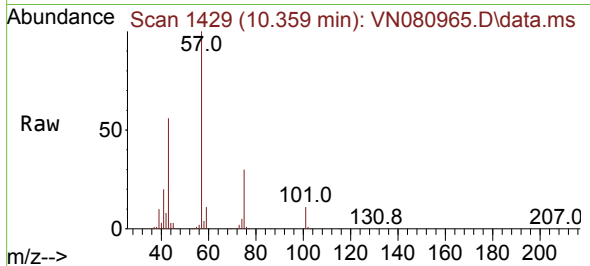




#54
 cis-1,3-Dichloropropene
 Concen: 13.399 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080965.D
 Acq: 08 Feb 2024 15:46

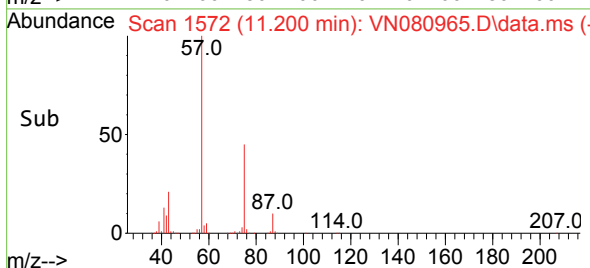
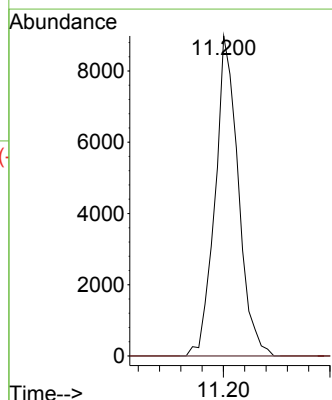
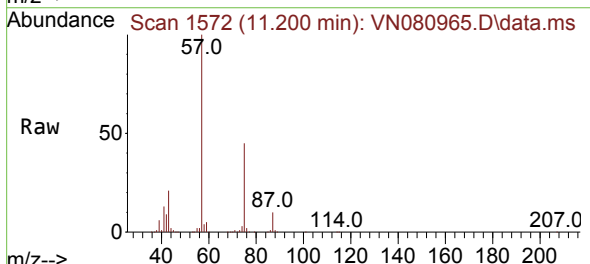
Instrument :
 MSVOA_N
 ClientSampleId :

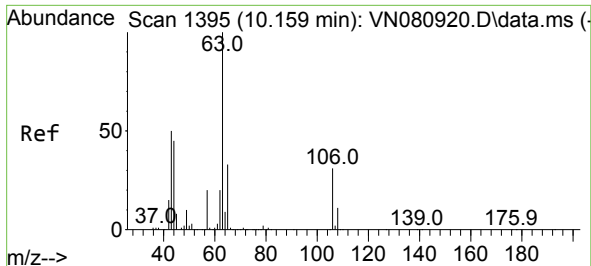
Tgt Ion: 75 Resp: 98576
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 34.6 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.864 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.036 min
 Lab File: VN080965.D
 Acq: 08 Feb 2024 15:46

Tgt Ion: 76 Resp: 13589
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

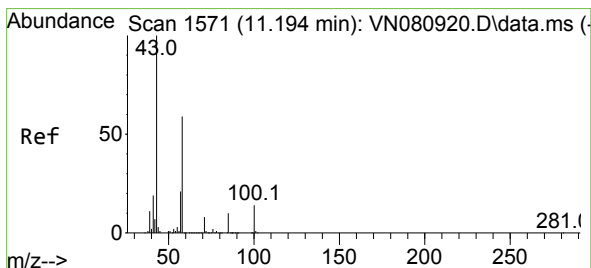
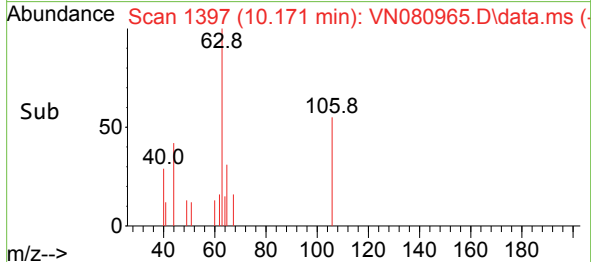
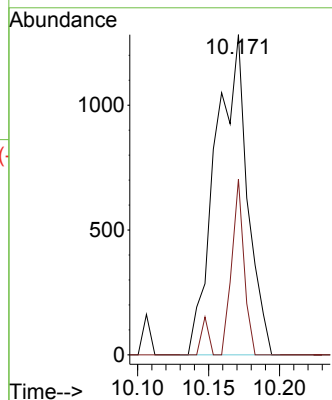
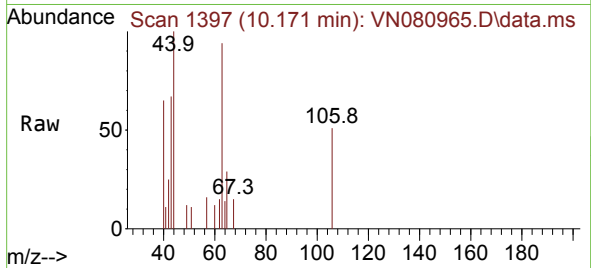




#58
2-Chloroethyl Vinyl ether
Concen: 0.617 ug/l
RT: 10.171 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

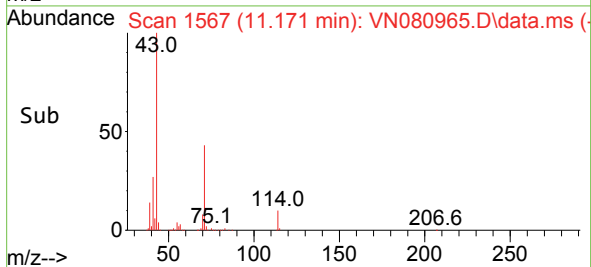
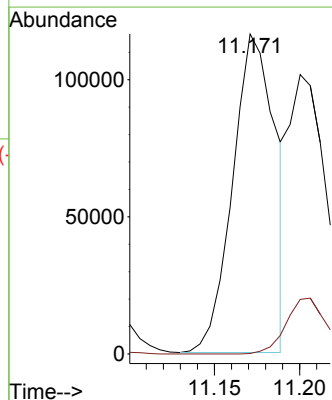
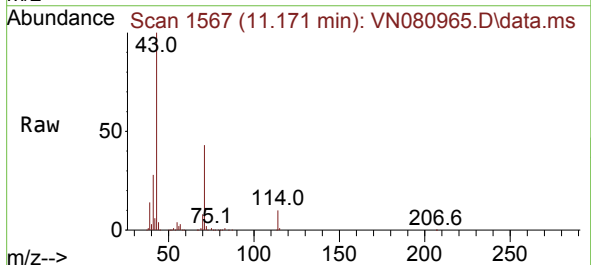
Instrument :
MSVOA_N
ClientSampleId :

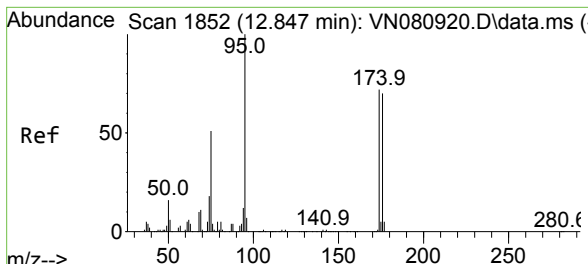
Tgt Ion: 63 Resp: 2015
Ion Ratio Lower Upper
63 100
106 21.0 18.6 28.0



#59
2-Hexanone
Concen: 55.715 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 43 Resp: 201909
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

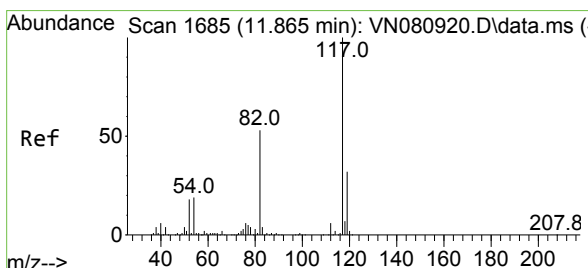
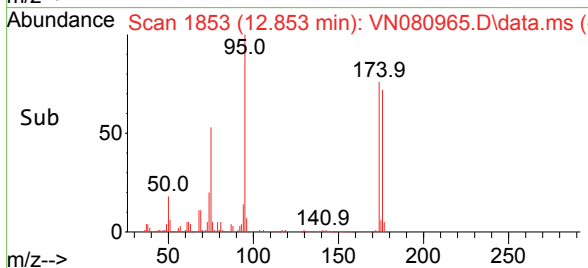
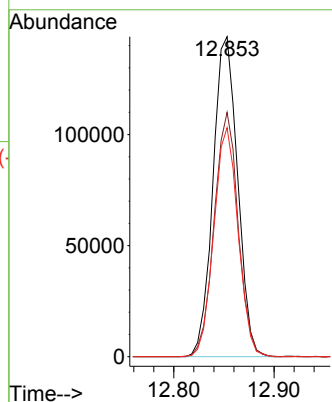
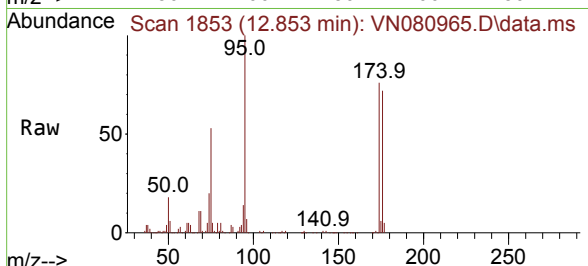




#62
4-Bromofluorobenzene
Concen: 48.701 ug/l
RT: 12.853 min Scan# 1185
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

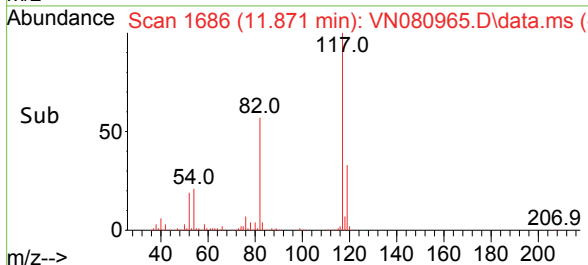
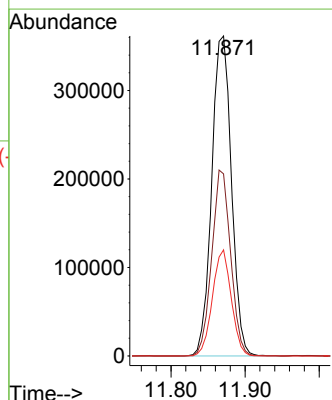
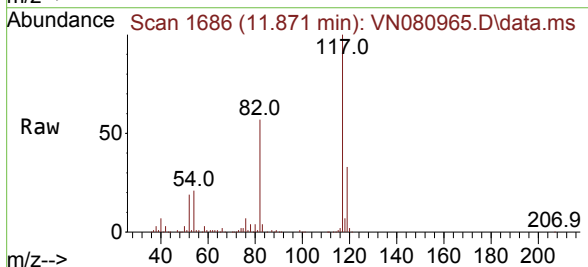
Instrument :
MSVOA_N
ClientSampleId :

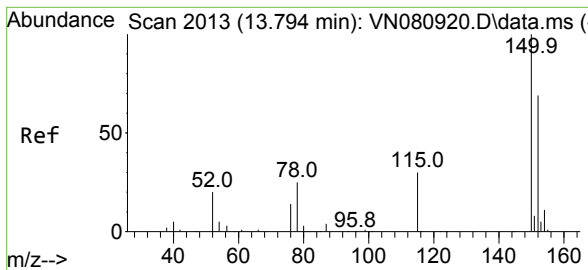
Tgt Ion: 95 Resp: 245284
Ion Ratio Lower Upper
95 100
174 74.7 0.0 120.4
176 70.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 117 Resp: 667247
Ion Ratio Lower Upper
117 100
82 56.9 52.7 79.1
119 33.1 25.3 37.9

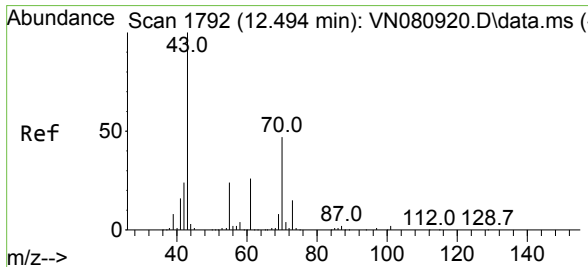
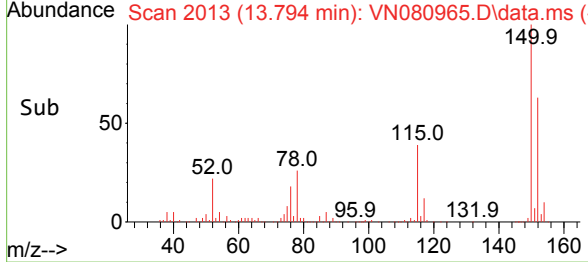
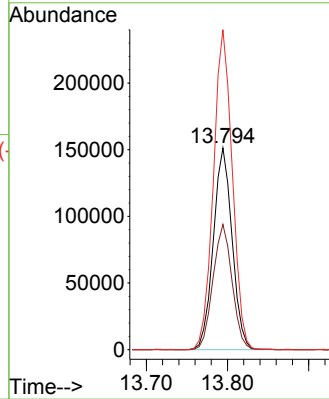
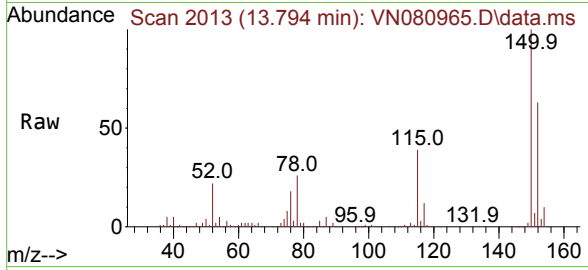




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080965.D
 Acq: 08 Feb 2024 15:46

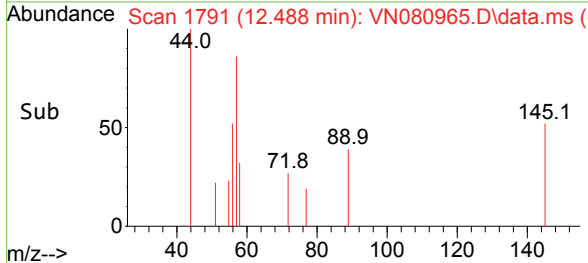
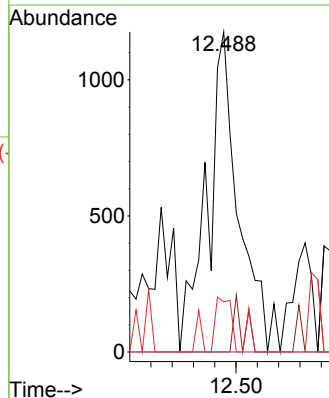
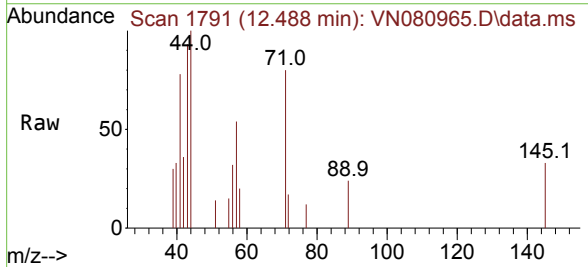
Instrument :
 MSVOA_N
 ClientSampleId :

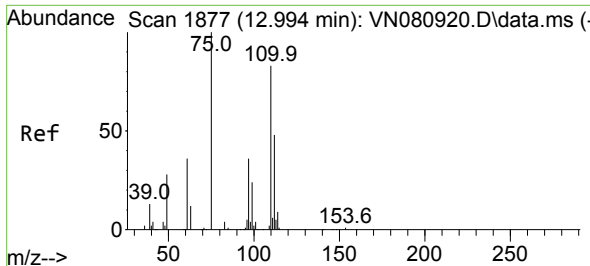
Tgt Ion:152 Resp: 243392
 Ion Ratio Lower Upper
 152 100
 115 63.0 32.3 96.8
 150 159.4 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.353 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN080965.D
 Acq: 08 Feb 2024 15:46

Tgt Ion: 43 Resp: 2411
 Ion Ratio Lower Upper
 43 100
 70 5.3 30.1 45.1#
 55 8.4 17.0 25.4#
 61 0.0 17.5 26.3#

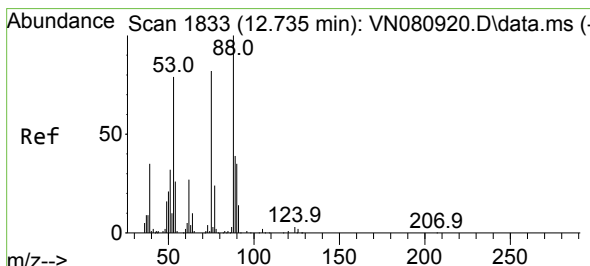
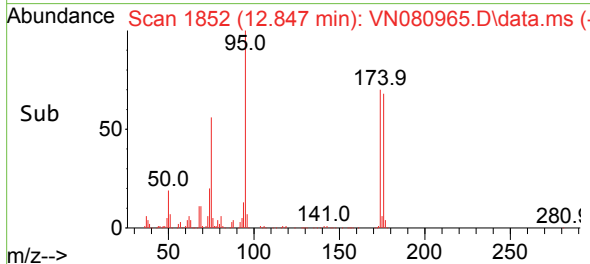
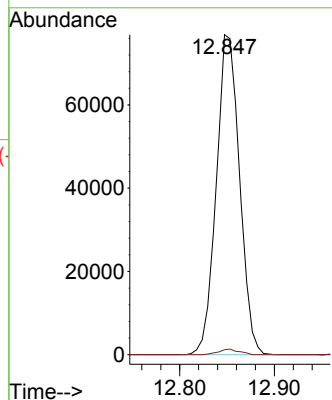
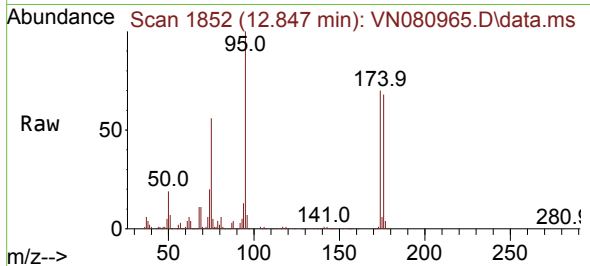




#76
1,2,3-Trichloropropane
Concen: 26.473 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 131377
Ion Ratio Lower Upper
75 100
77 1.5 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.925 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080965.D
Acq: 08 Feb 2024 15:46

Tgt Ion: 75 Resp: 131377
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

