

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
 Data File : VN080640.D
 Acq On : 03 Jan 2024 15:20
 Operator : JC\MD
 Sample : PB158184ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 04 02:00:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

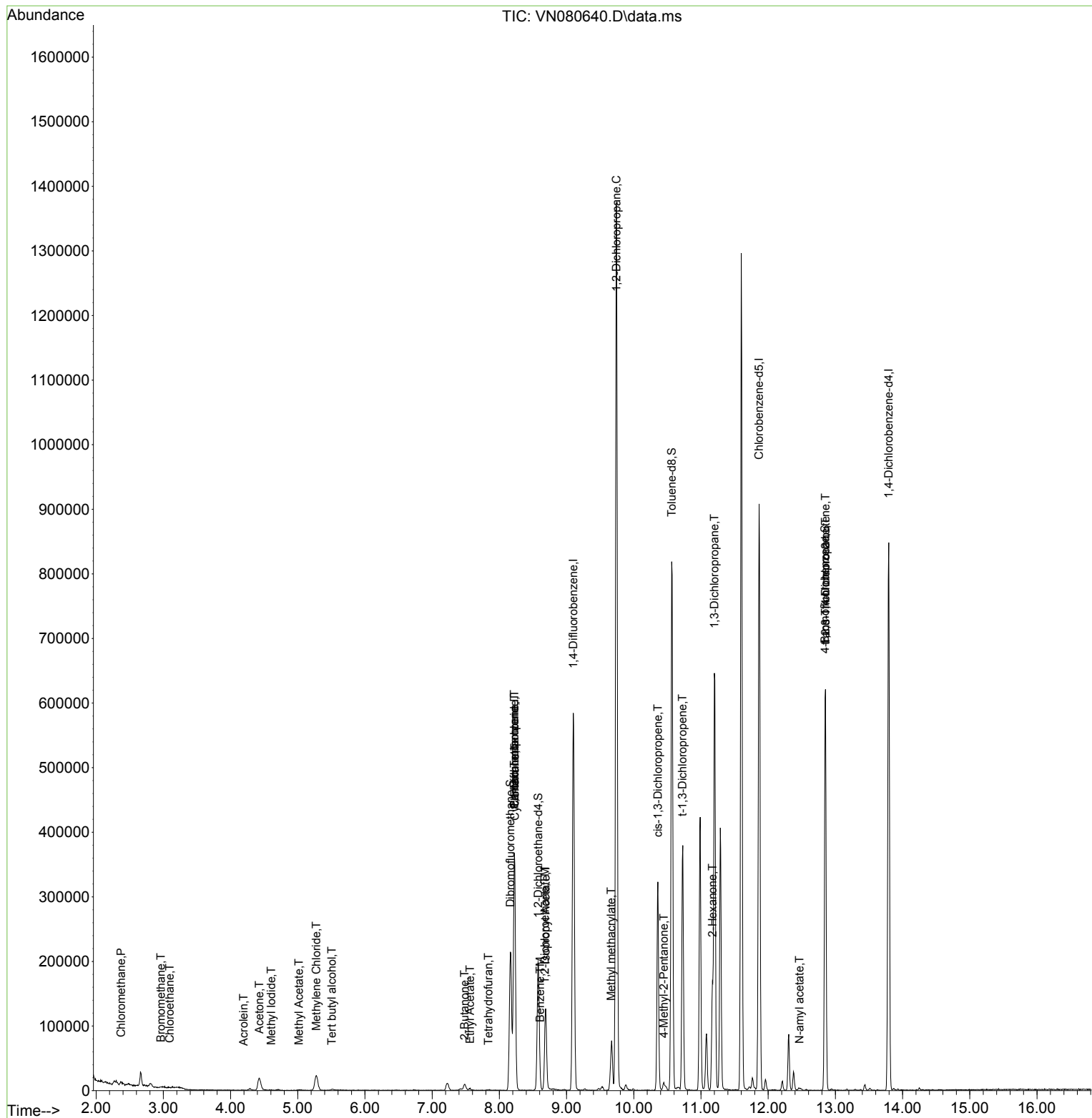
Internal Standards						
1) Pentafluorobenzene	8.224	168	263324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	512425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	529992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	168607	49.917	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.840%		
35) Dibromofluoromethane	8.165	113	155370	46.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.760%		
50) Toluene-d8	10.565	98	580382	50.157	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.847	95	222389	57.106	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.220%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	6870	1.198	ug/l	92
5) Bromomethane	2.965	94	318	0.257	ug/l #	43
6) Chloroethane	3.095	64	559	0.275	ug/l #	43
10) Methyl Iodide	4.606	142	471	0.269	ug/l #	38
11) Tert butyl alcohol	5.506	59	2949	6.490	ug/l #	85
13) Acrolein	4.195	56	255	0.496	ug/l #	16
16) Acetone	4.430	43	36354	39.594	ug/l	98
18) Methyl Acetate	5.018	43	2052	0.403	ug/l #	69
20) Methylene Chloride	5.277	84	20339	6.942	ug/l	92
25) 2-Butanone	7.483	43	15376	8.960	ug/l	93
29) Tetrahydrofuran	7.835	42	966	0.863	ug/l #	39
31) Cyclohexane	8.230	56	4858	1.063	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	21357	4.187	ug/l #	49
37) Ethyl Acetate	7.565	43	3954	1.027	ug/l #	74
38) Carbon Tetrachloride	8.224	117	29565	5.666	ug/l #	16
40) Benzene	8.606	78	1258	0.455	ug/l #	52
42) 1,2-Dichloroethane	8.677	62	1051	0.222	ug/l #	73
43) Isopropyl Acetate	8.688	43	138551	22.210	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	2272	0.655	ug/l #	45
48) Methyl methacrylate	9.665	41	4994	1.442	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	7808	2.201	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	1191	0.242	ug/l #	46
54) cis-1,3-Dichloropropene	10.359	75	62222	11.280	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	6939	1.273	ug/l #	42
59) 2-Hexanone	11.171	43	120822	45.181	ug/l #	19
74) N-amyl acetate	12.465	43	2990	0.531	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	116577	23.222	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116577	62.904	ug/l #	15

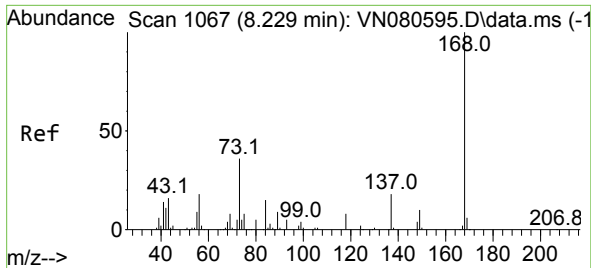
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010324\
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Acq On : 03 Jan 2024 15:20
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ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Jan 04 02:00:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration

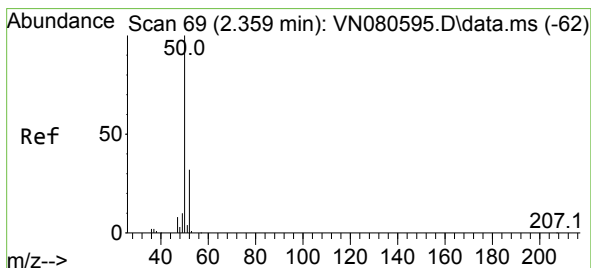
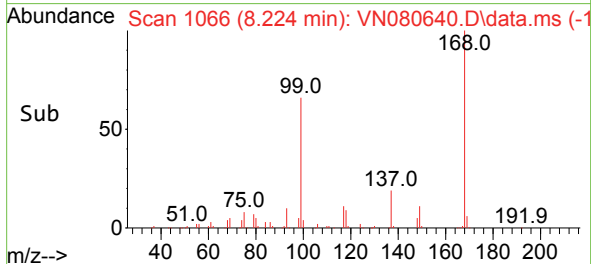
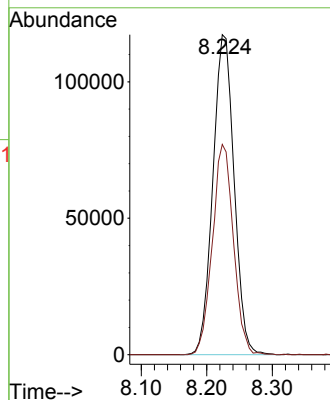
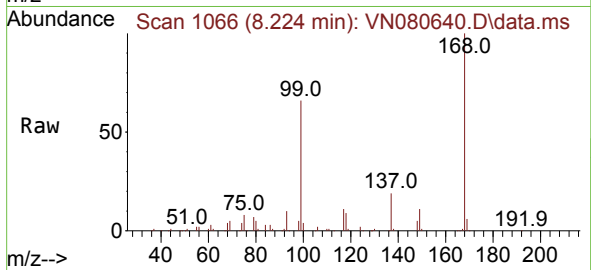




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

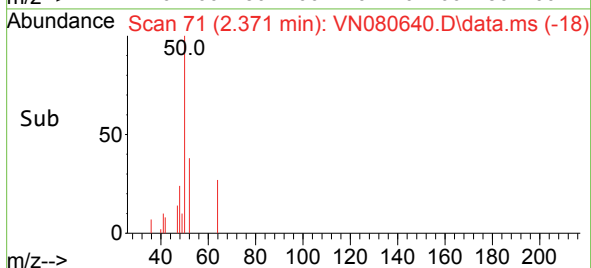
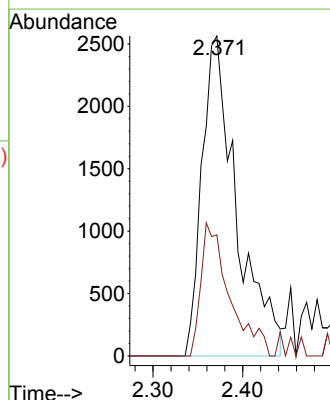
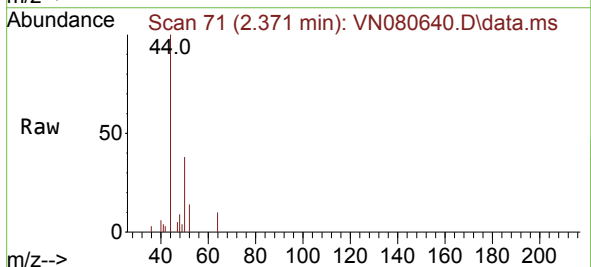
Instrument :
MSVOA_N
ClientSampleId :

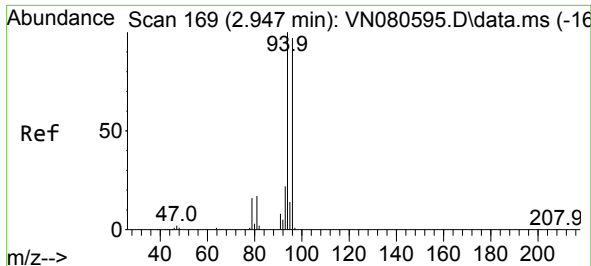
Tgt Ion:168 Resp: 263324
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#3
Chloromethane
Concen: 1.198 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

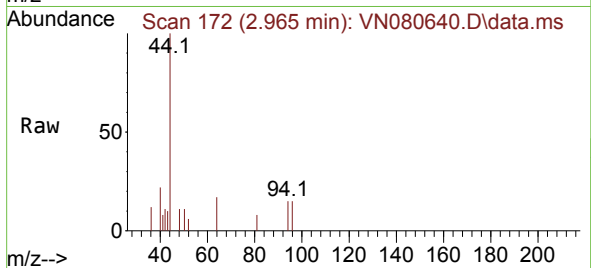
Tgt Ion: 50 Resp: 6870
Ion Ratio Lower Upper
50 100
52 37.8 26.5 39.7



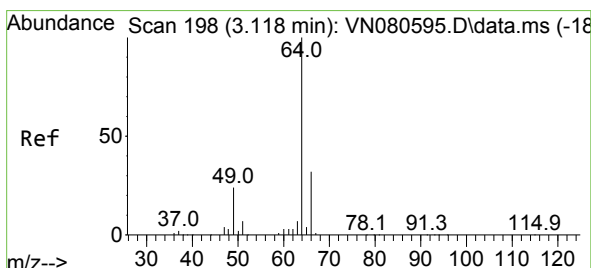
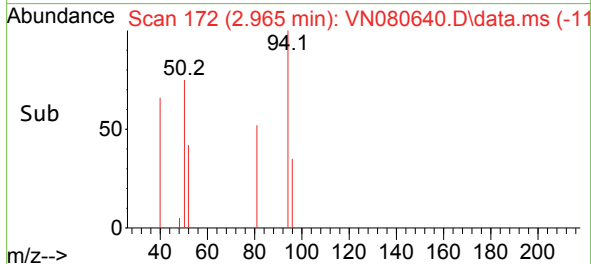
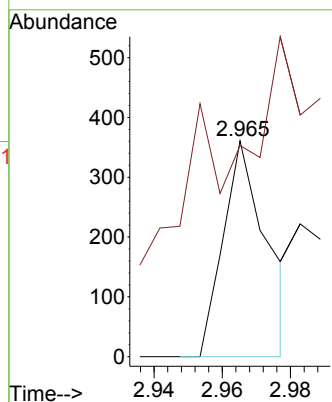


#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

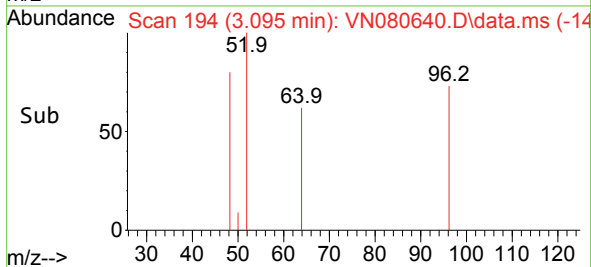
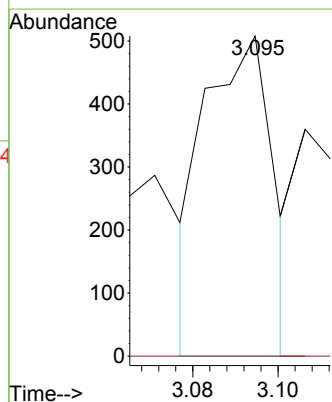
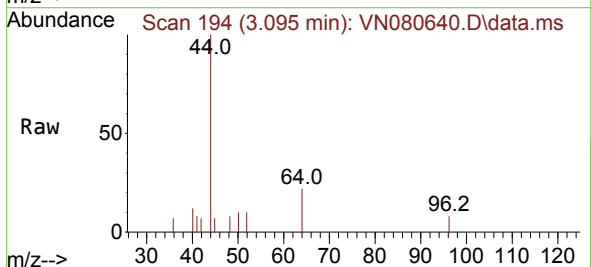


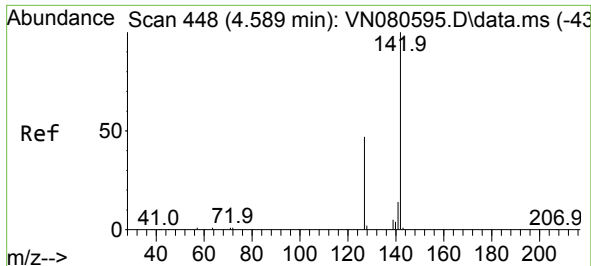
Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 37.4 73.1 109.7#



#6
Chloroethane
Concen: 0.275 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

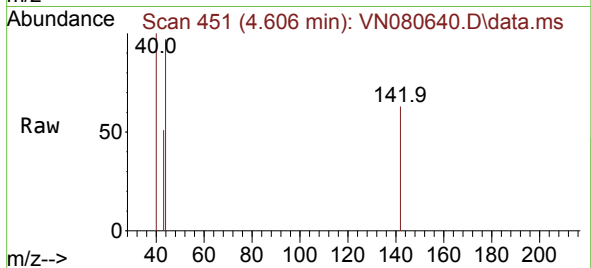
Tgt Ion: 64 Resp: 559
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



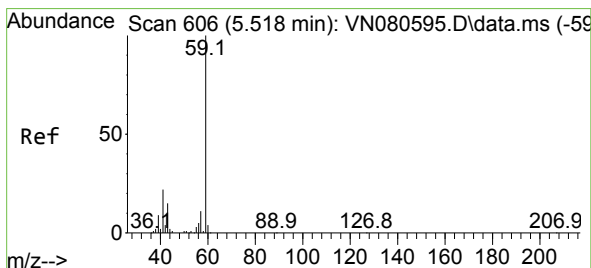
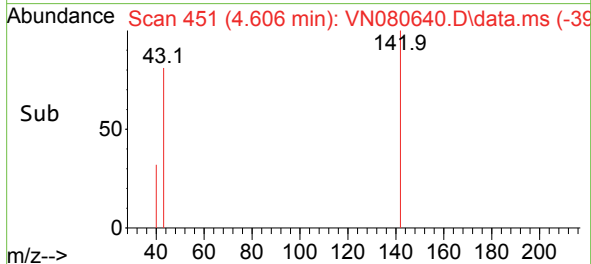
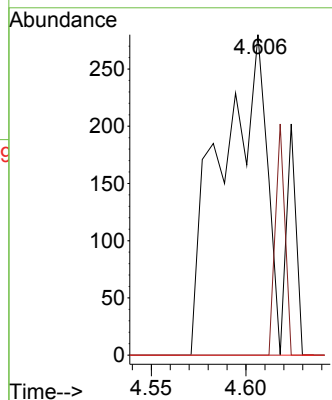


#10
Methyl Iodide
Concen: 0.269 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

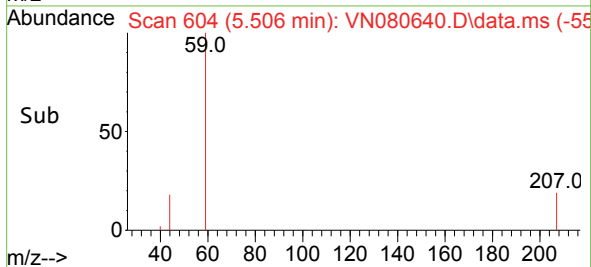
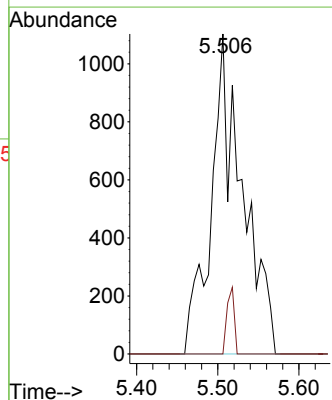
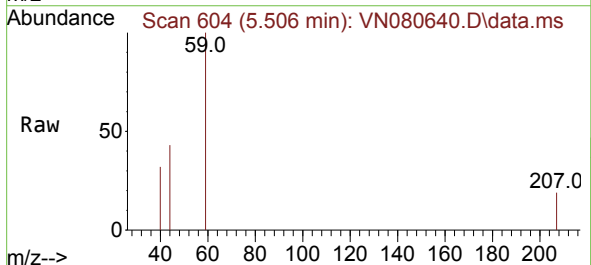


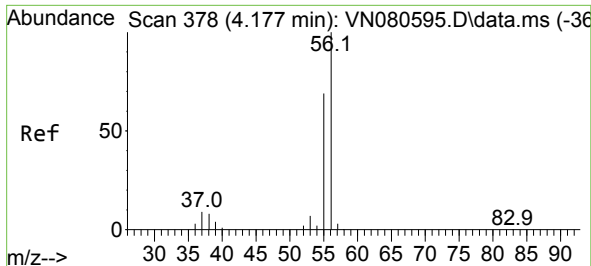
Tgt Ion:142 Resp: 471
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.490 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

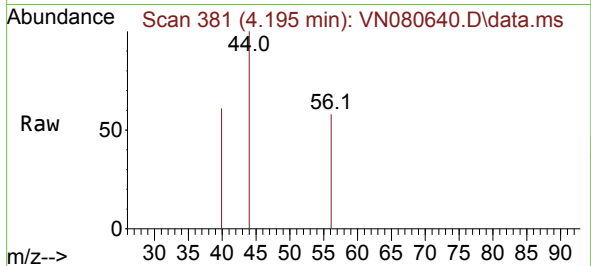
Tgt Ion: 59 Resp: 2949
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.4#



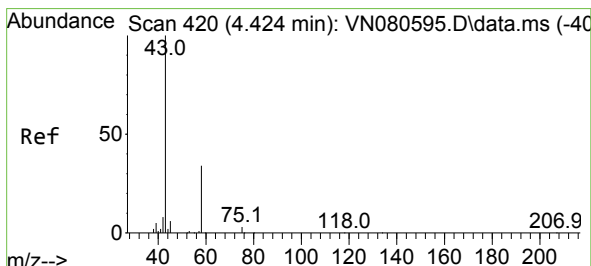
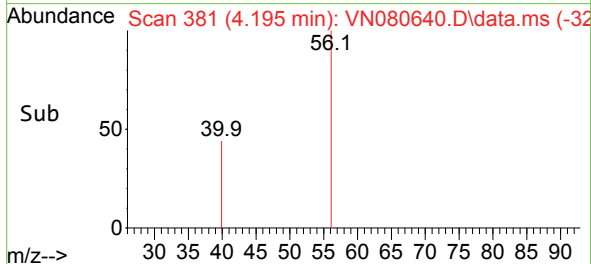
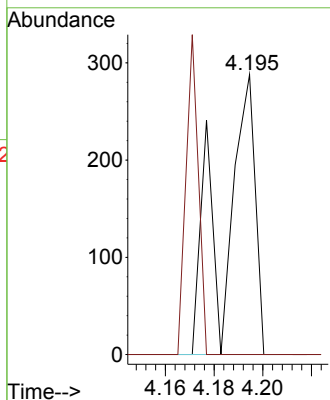


#13
Acrolein
Concen: 0.496 ug/l
RT: 4.195 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

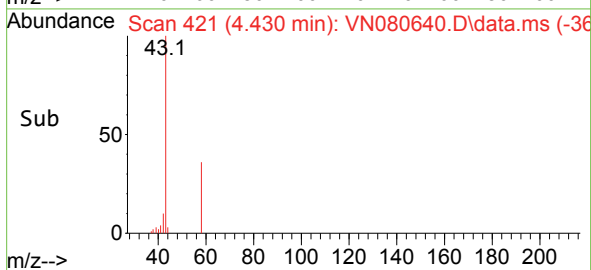
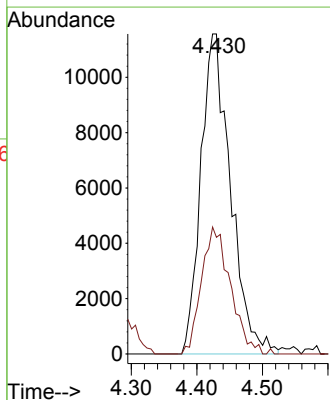
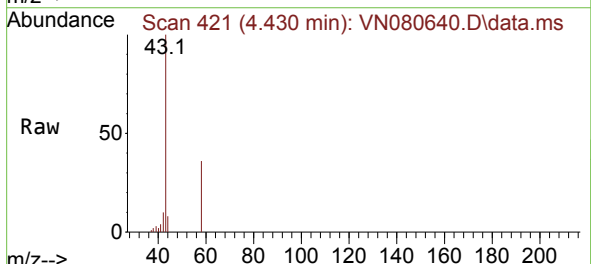


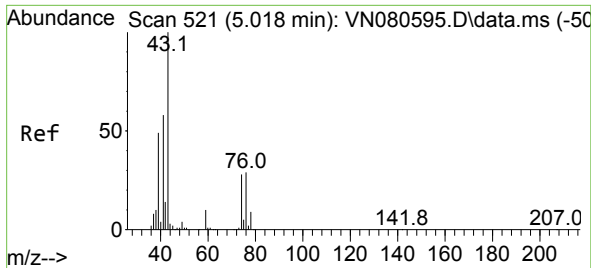
Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 39.594 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

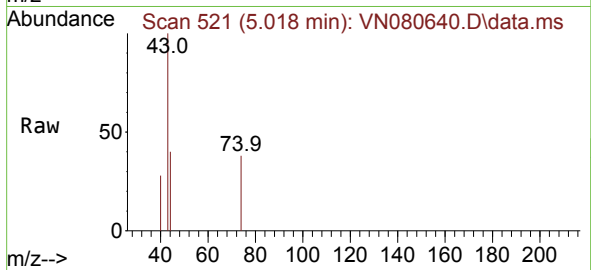
Tgt Ion: 43 Resp: 36354
Ion Ratio Lower Upper
43 100
58 36.4 28.0 42.0



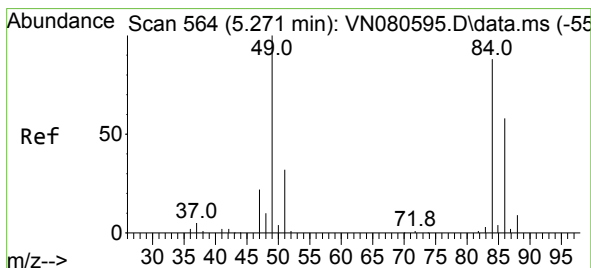
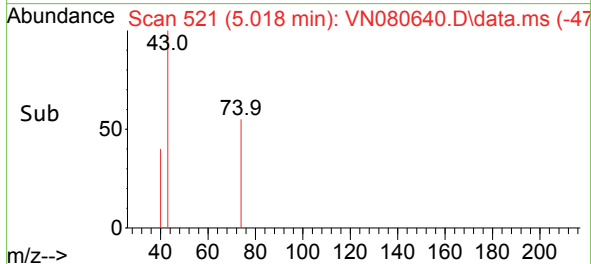
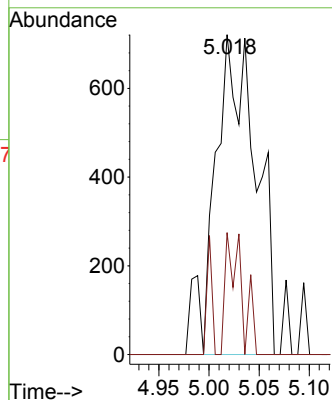


#18
Methyl Acetate
Concen: 0.403 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

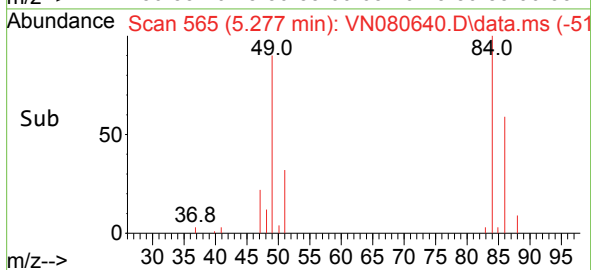
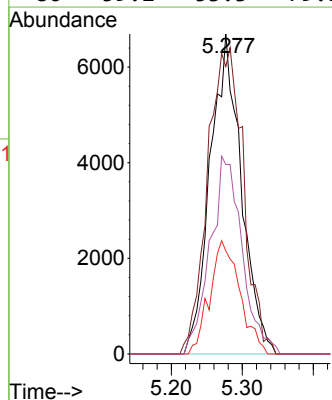
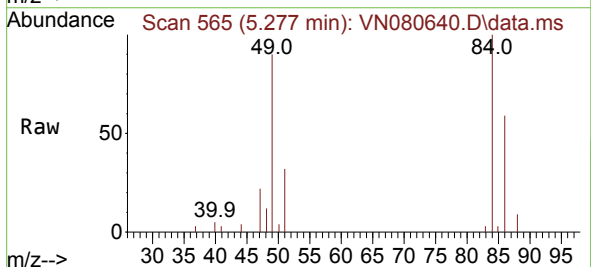


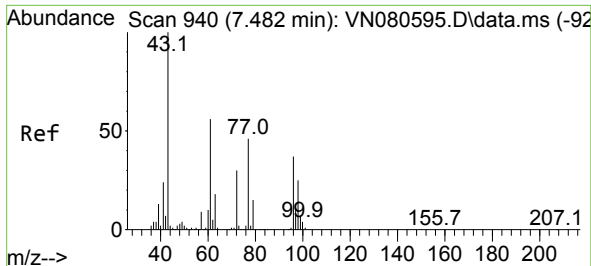
Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
74 15.1 26.2 39.4#



#20
Methylene Chloride
Concen: 6.942 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

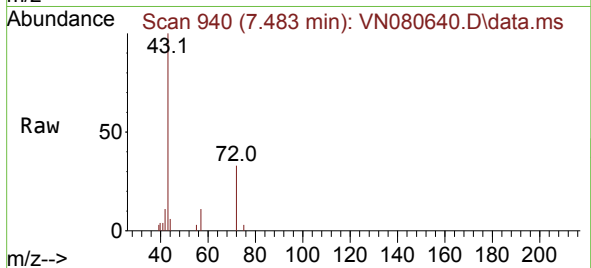
Tgt Ion: 84 Resp: 20339
Ion Ratio Lower Upper
84 100
49 89.9 79.7 119.5
51 32.2 25.2 37.8
86 59.2 53.3 79.9



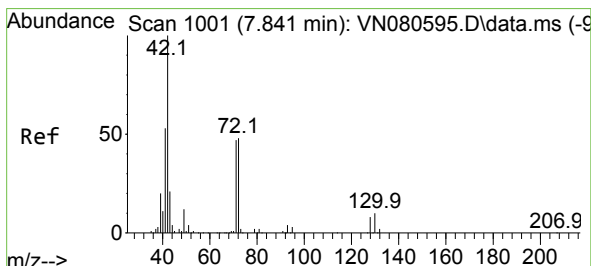
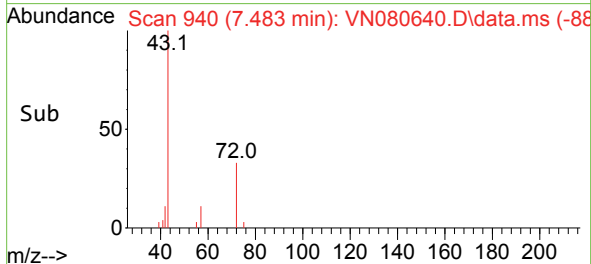
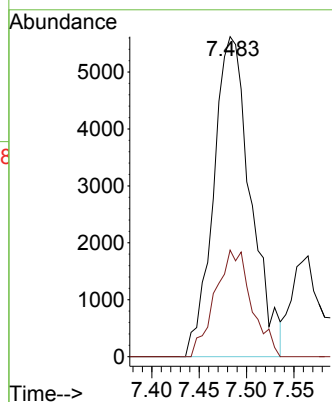


#25
2-Butanone
Concen: 8.960 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

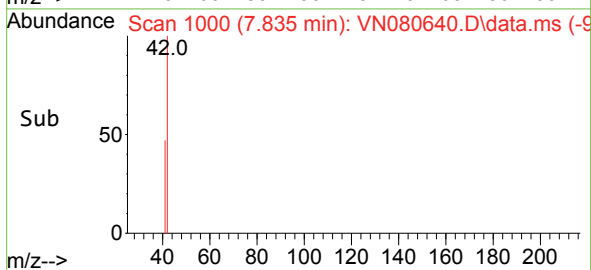
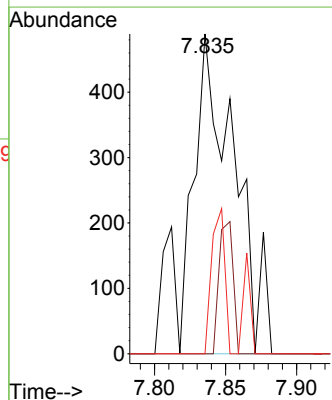
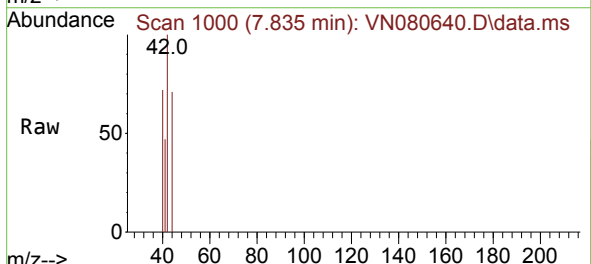


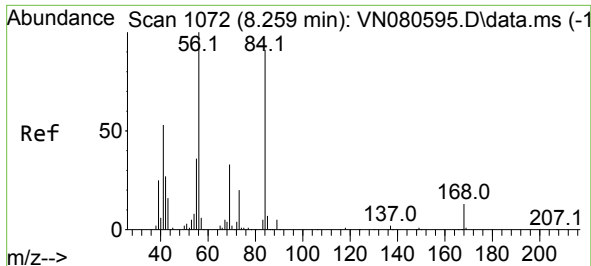
Tgt Ion: 43 Resp: 15376
Ion Ratio Lower Upper
43 100
72 33.3 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.863 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

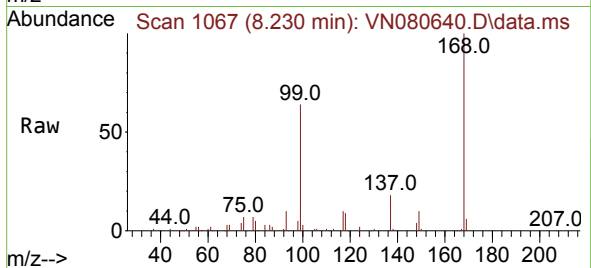
Tgt Ion: 42 Resp: 966
Ion Ratio Lower Upper
42 100
72 14.3 49.8 74.6#
71 14.8 47.4 71.2#



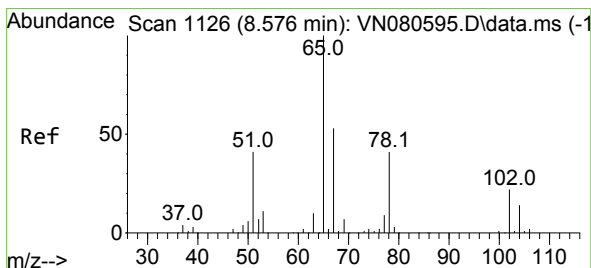
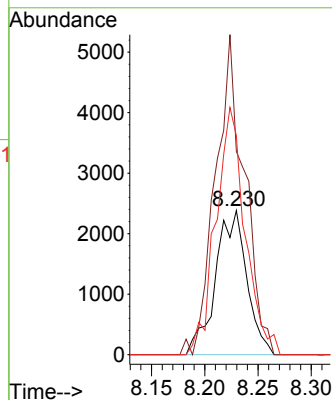
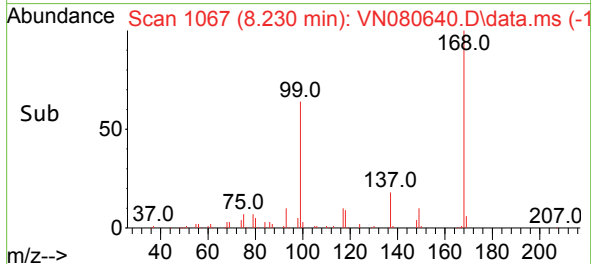


#31
Cyclohexane
Concen: 1.063 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

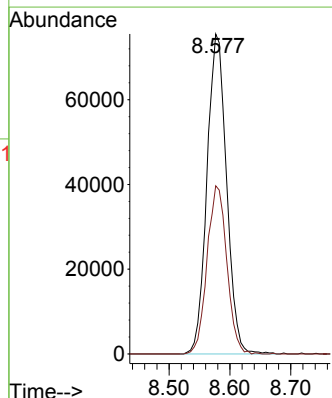
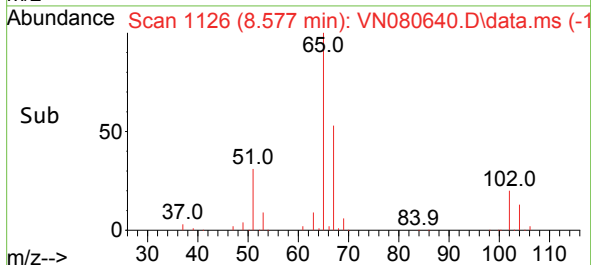
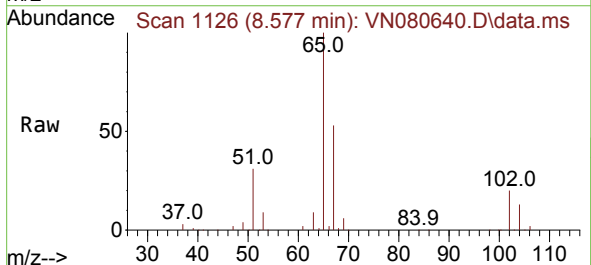


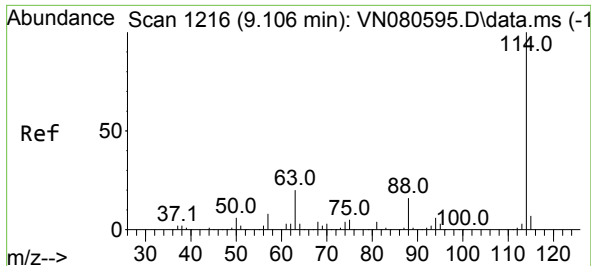
Tgt Ion: 56 Resp: 4858
Ion Ratio Lower Upper
56 100
69 140.9 26.8 40.2#
84 151.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.917 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Tgt Ion: 65 Resp: 168607
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

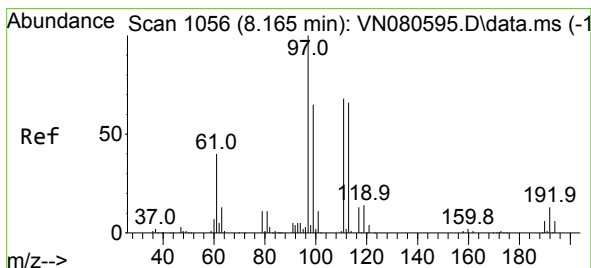
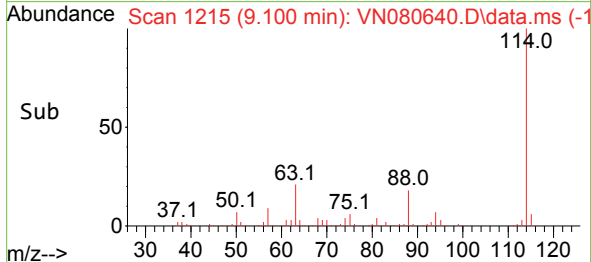
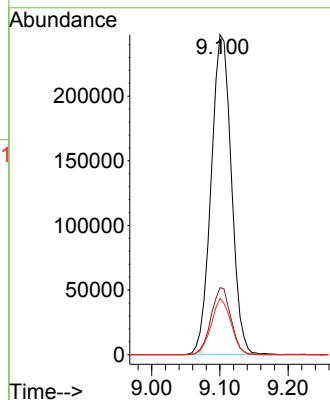
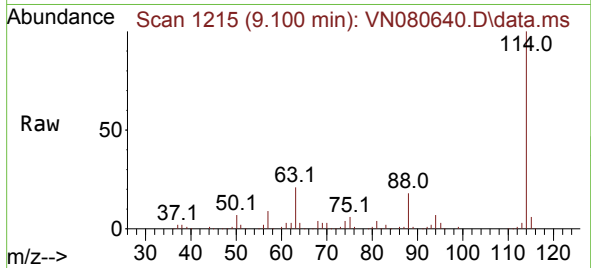




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

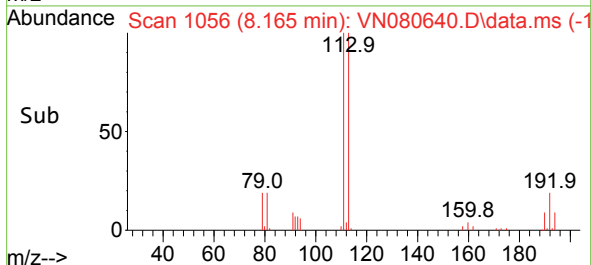
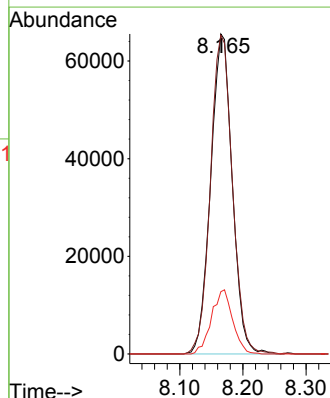
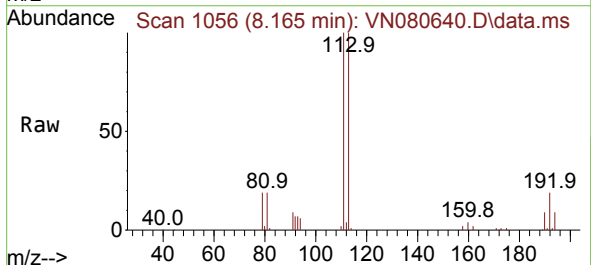
Instrument :
MSVOA_N
ClientSampleId :

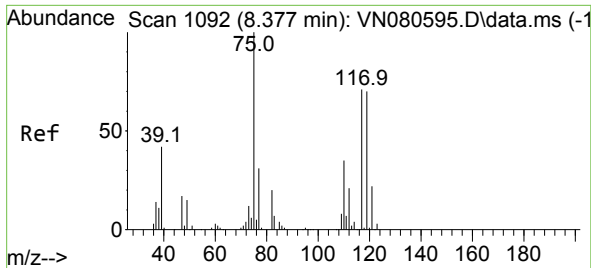
Tgt Ion:114 Resp: 512425
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.4
88 17.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.881 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

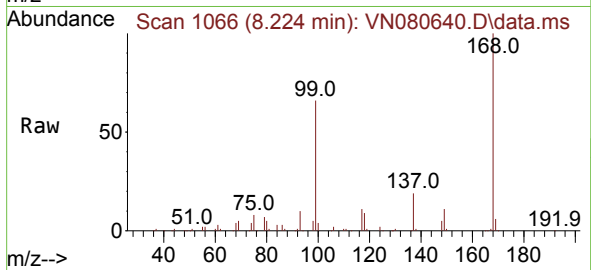
Tgt Ion:113 Resp: 155370
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 19.7 12.7 19.1#



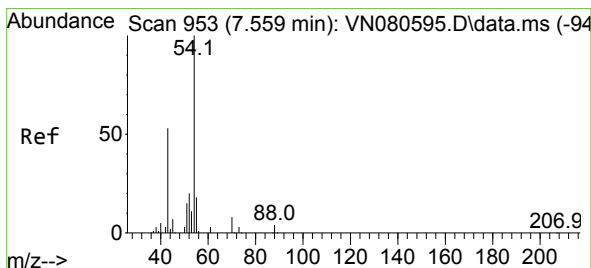
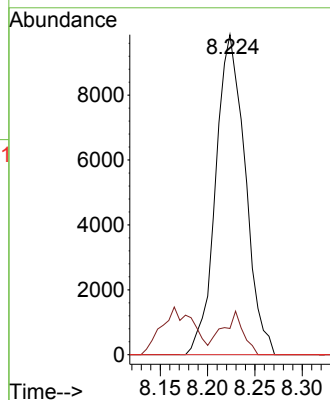
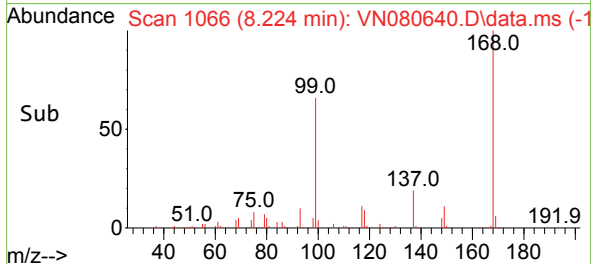


#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

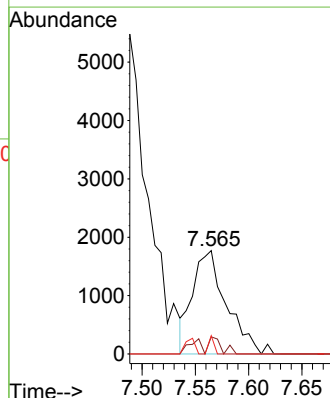
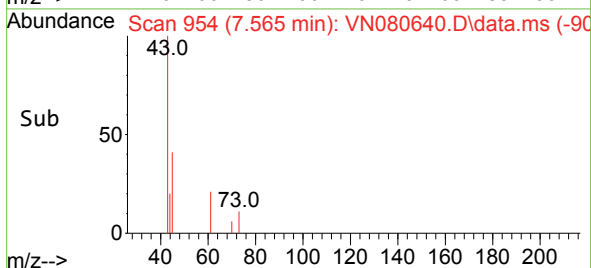
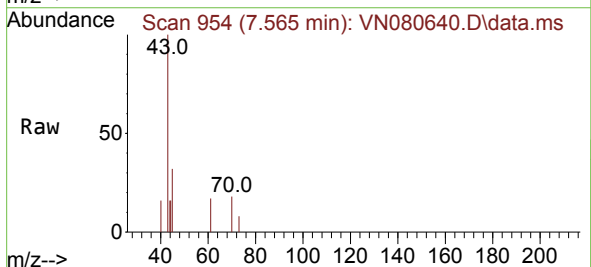


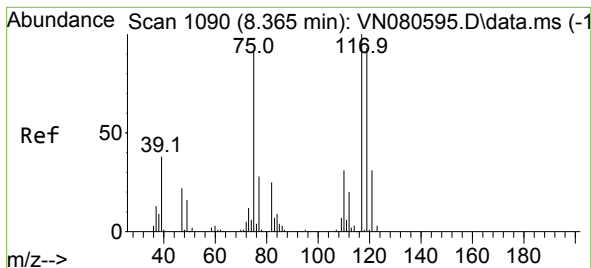
Tgt Ion: 75 Resp: 21357
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.027 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
61 6.3 13.2 19.8#
70 2.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

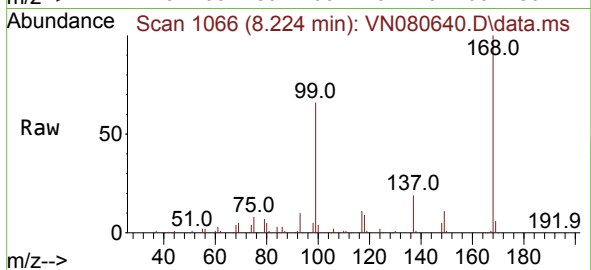
Lab File: VN080640.D

Acq: 03 Jan 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :



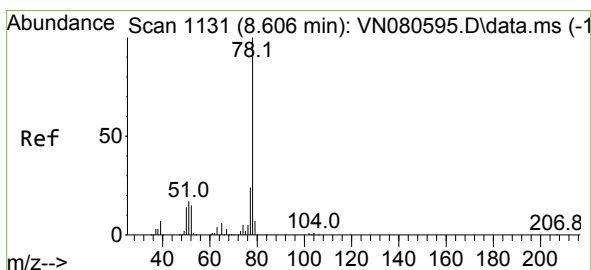
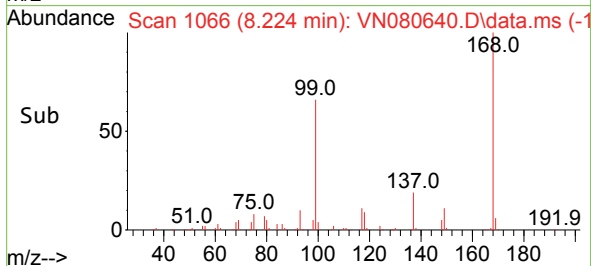
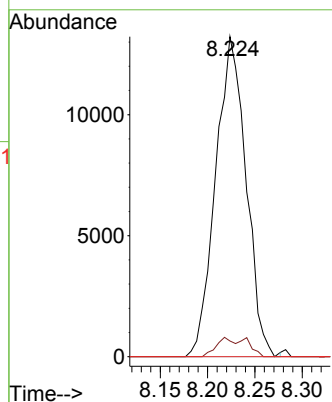
Tgt Ion:117 Resp: 29565

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.455 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080640.D

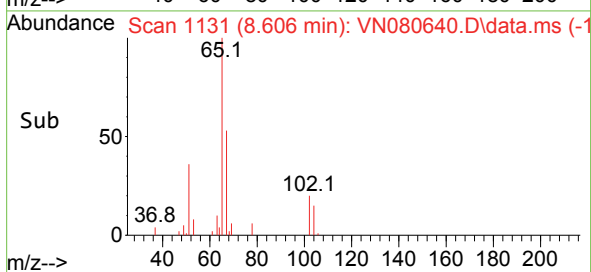
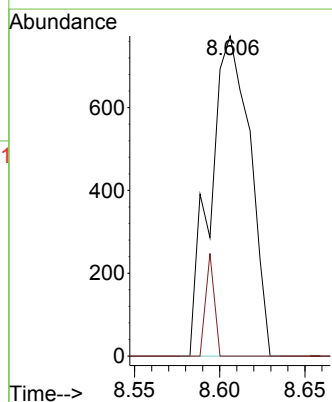
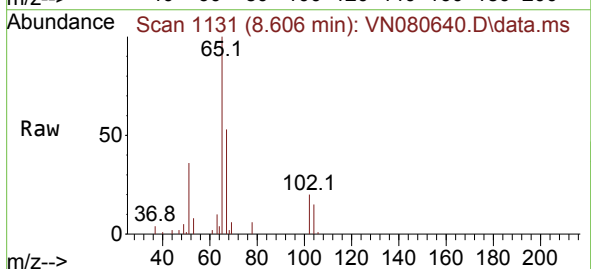
Acq: 03 Jan 2024 15:20

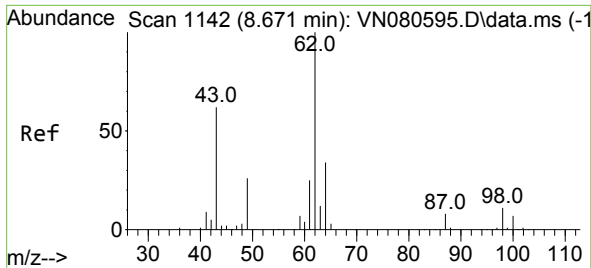
Tgt Ion: 78 Resp: 1258

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#

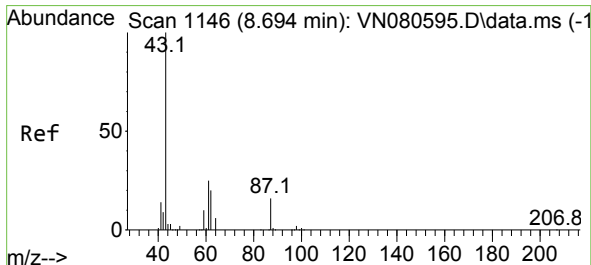
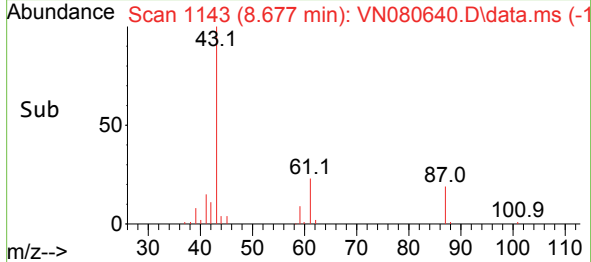
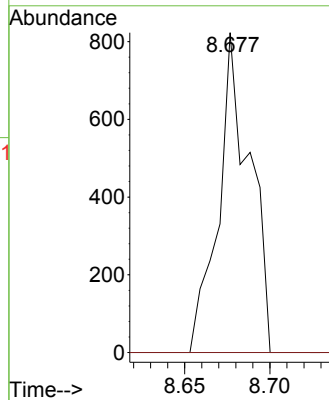
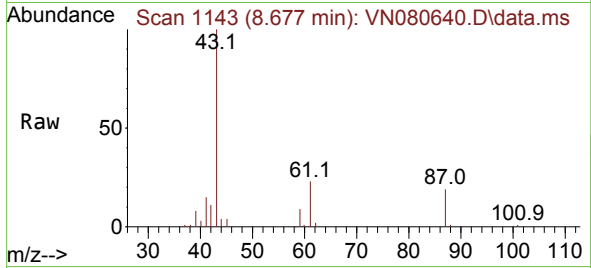




#42
1,2-Dichloroethane
Concen: 0.222 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

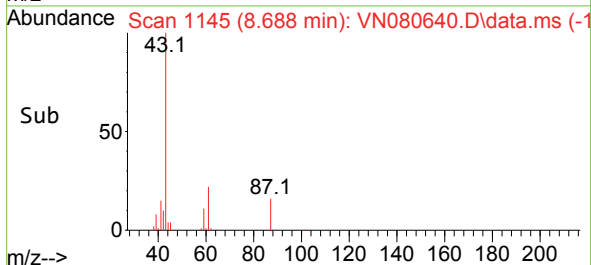
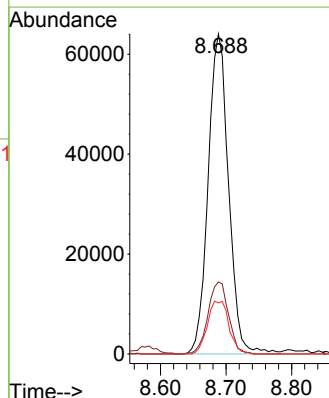
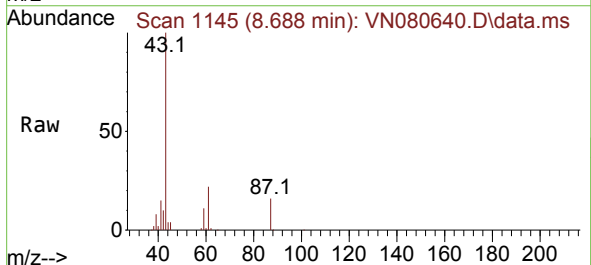
Instrument :
MSVOA_N
ClientSampleId :

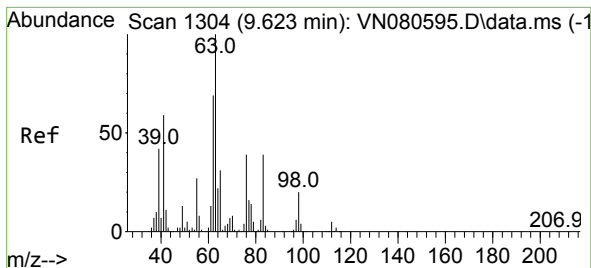
Tgt Ion: 62 Resp: 1051
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 22.210 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Tgt Ion: 43 Resp: 138551
Ion Ratio Lower Upper
43 100
61 22.6 24.7 37.1#
87 17.3 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.655 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN080640.D

Acq: 03 Jan 2024 15:20

Instrument :

MSVOA_N

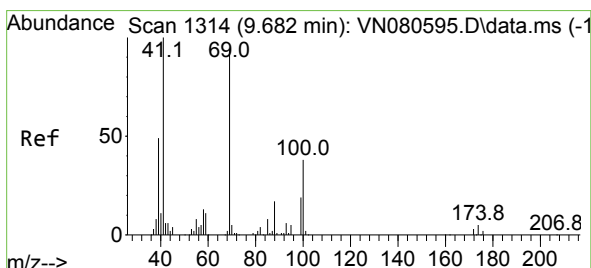
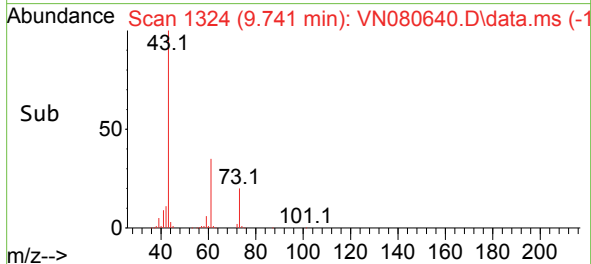
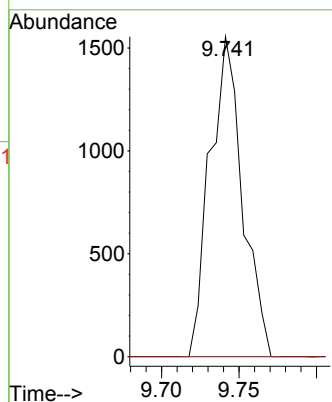
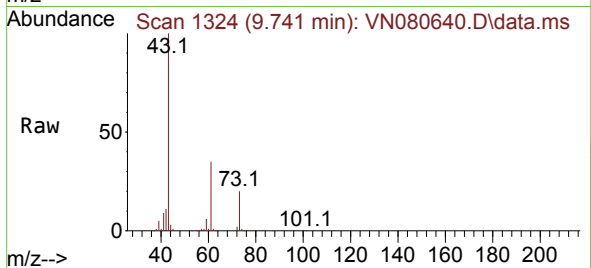
ClientSampleId :

Tgt Ion: 63 Resp: 2272

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.442 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080640.D

Acq: 03 Jan 2024 15:20

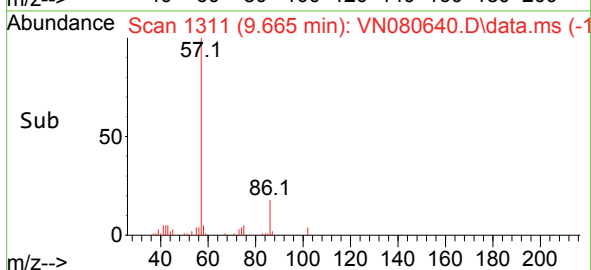
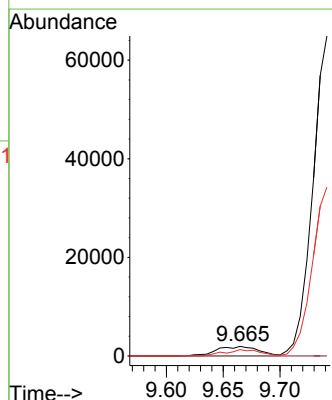
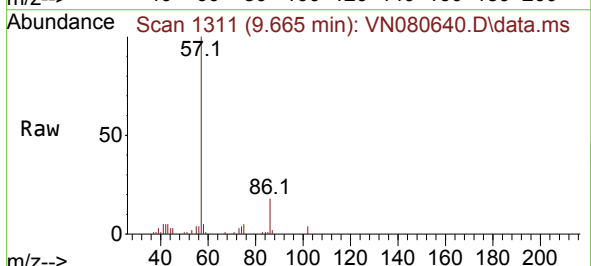
Tgt Ion: 41 Resp: 4994

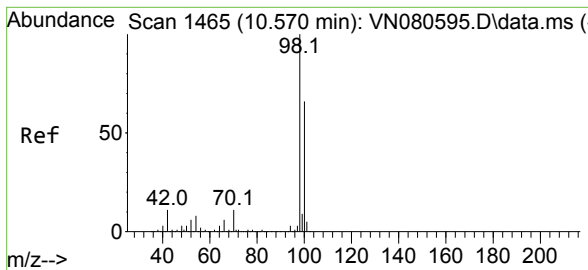
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 56.3 54.6 81.8

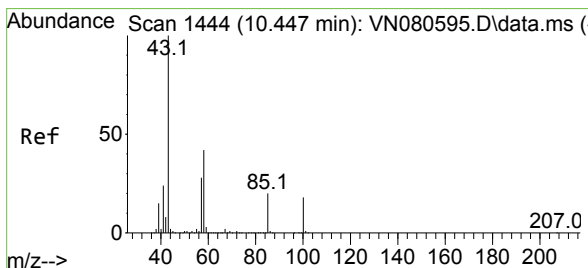
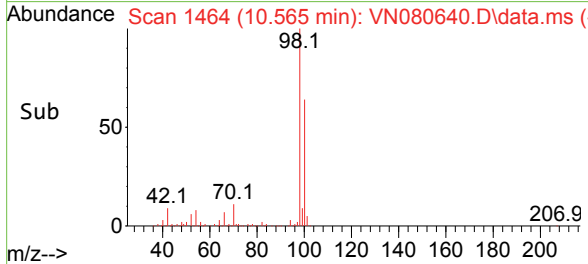
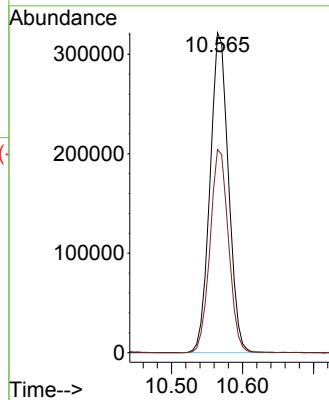
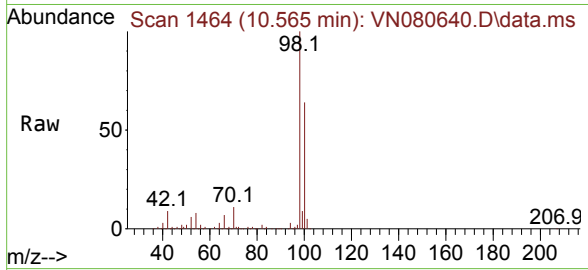




#50
Toluene-d8
Concen: 50.157 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

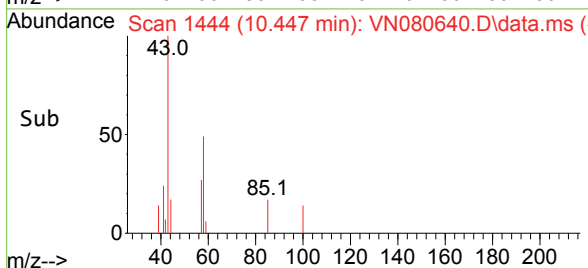
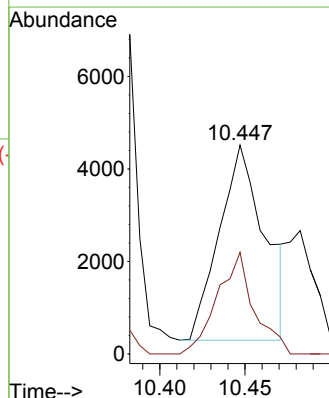
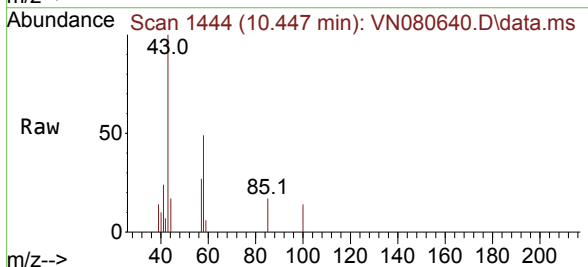
Instrument :
MSVOA_N
ClientSampleId :

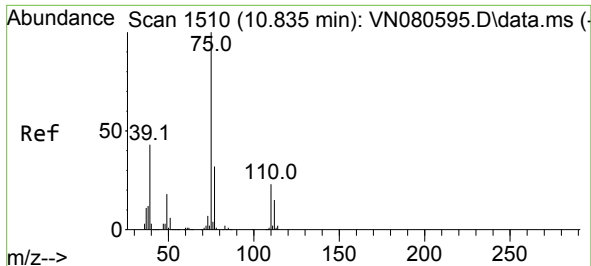
Tgt Ion: 98 Resp: 580382
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.201 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

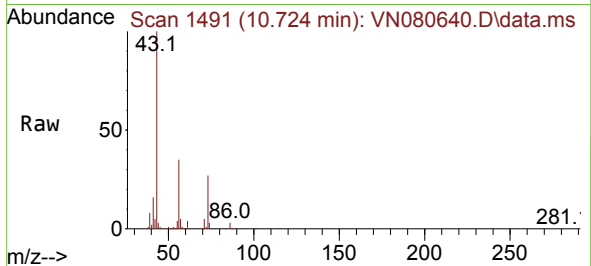
Tgt Ion: 43 Resp: 7808
Ion Ratio Lower Upper
43 100
58 42.1 36.6 54.8



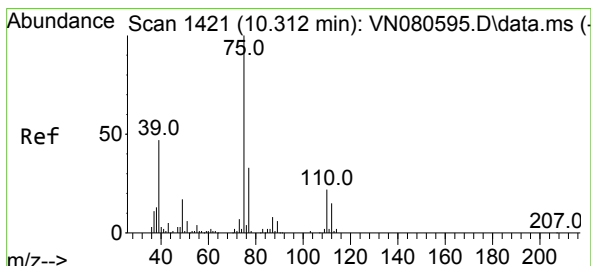
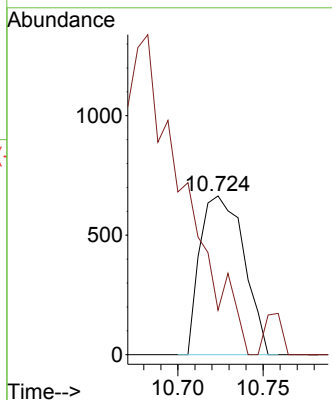
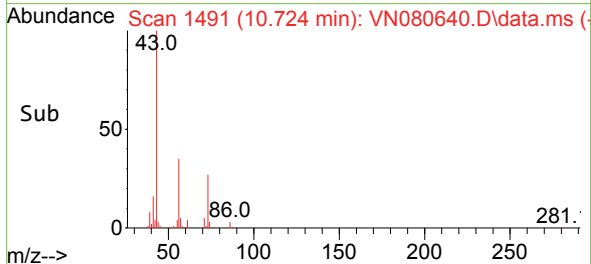


#53
t-1,3-Dichloropropene
Concen: 0.242 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

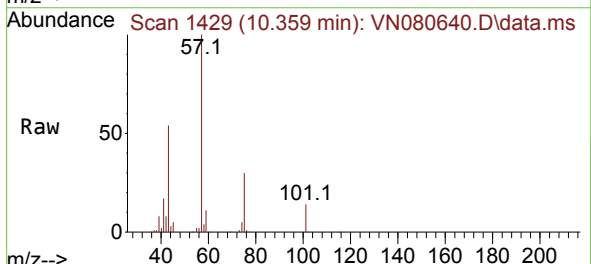
Instrument :
MSVOA_N
ClientSampleId :



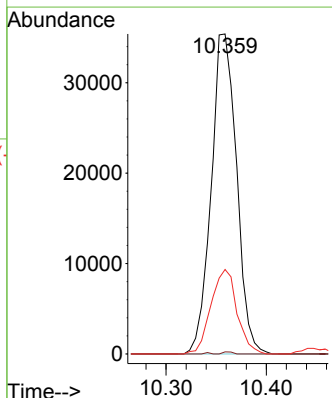
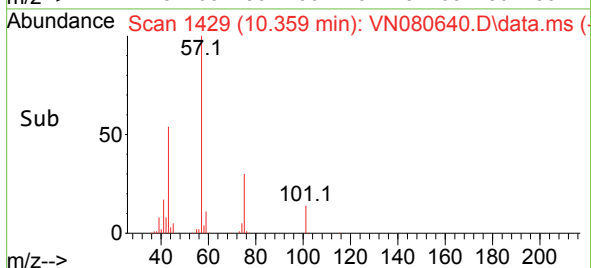
Tgt Ion: 75 Resp: 1191
Ion Ratio Lower Upper
75 100
77 2.0 25.4 38.0#

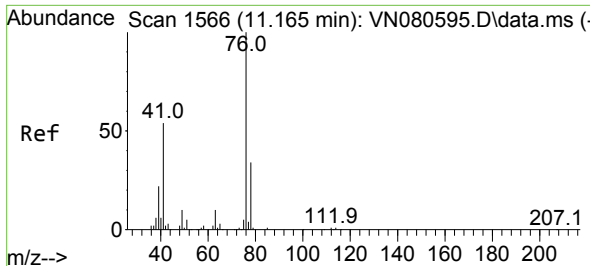


#54
cis-1,3-Dichloropropene
Concen: 11.280 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20



Tgt Ion: 75 Resp: 62222
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 26.4 31.6 47.4#

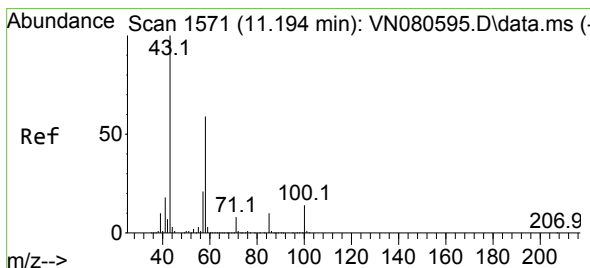
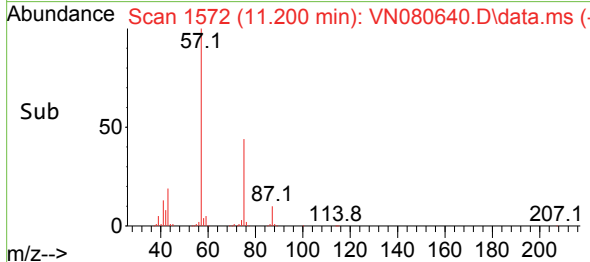
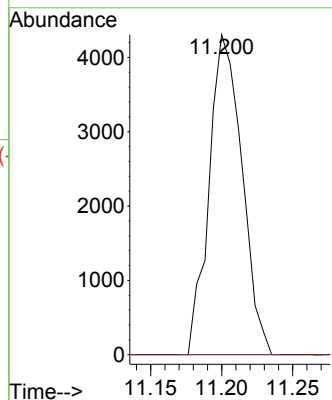
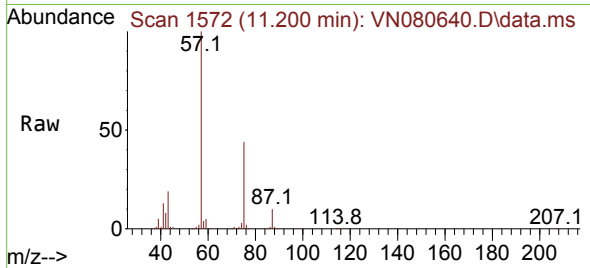




#57
1,3-Dichloropropane
Concen: 1.273 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

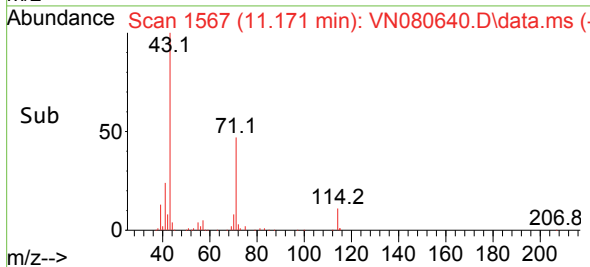
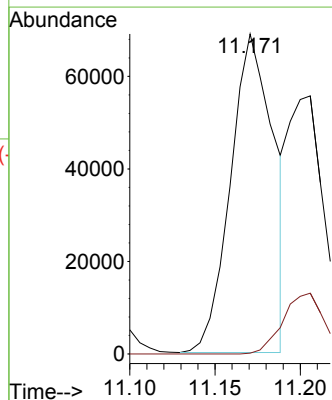
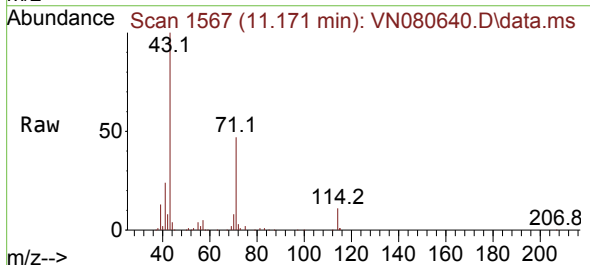
Instrument :
MSVOA_N
ClientSampleId :

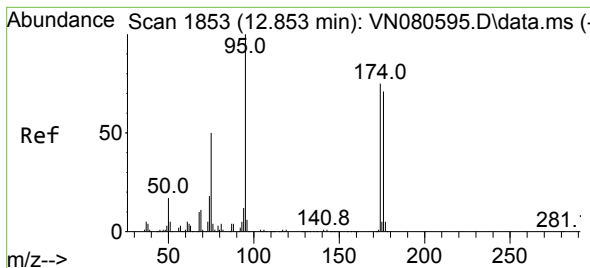
Tgt Ion: 76 Resp: 6939
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 45.181 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Tgt Ion: 43 Resp: 120822
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

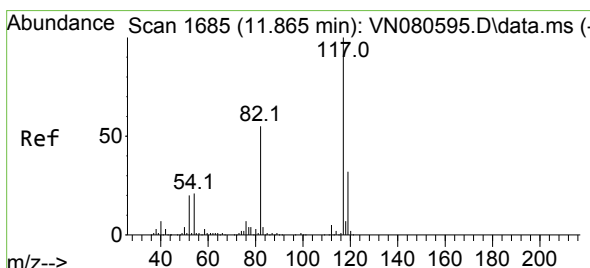
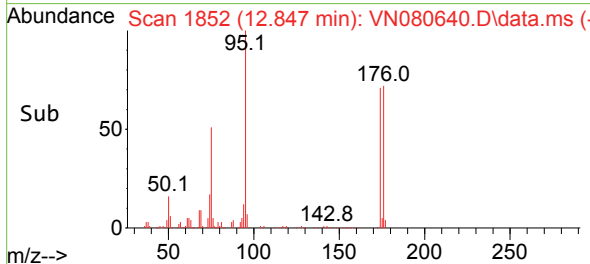
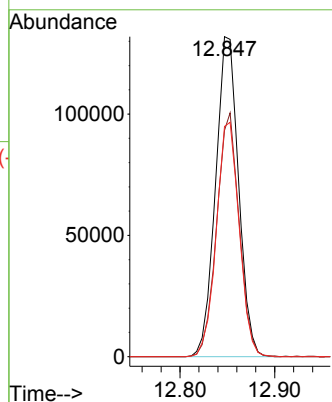
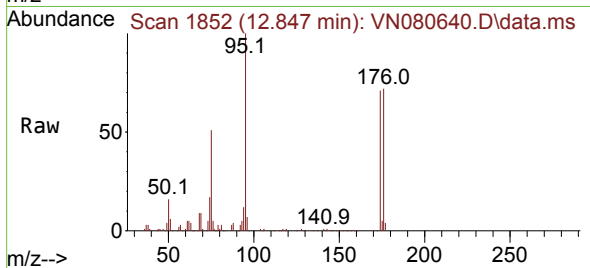




#62
4-Bromofluorobenzene
Concen: 57.106 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

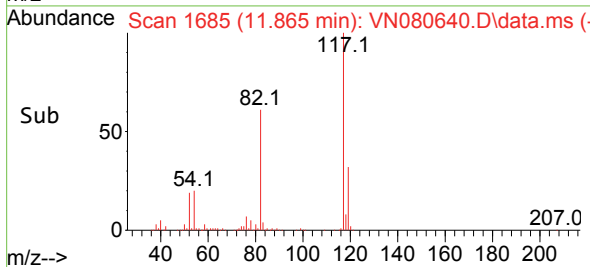
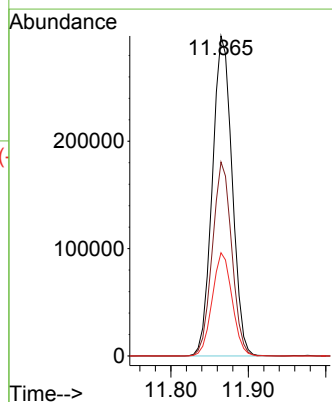
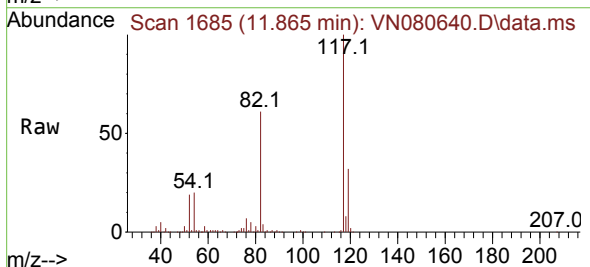
Instrument :
MSVOA_N
ClientSampleId :

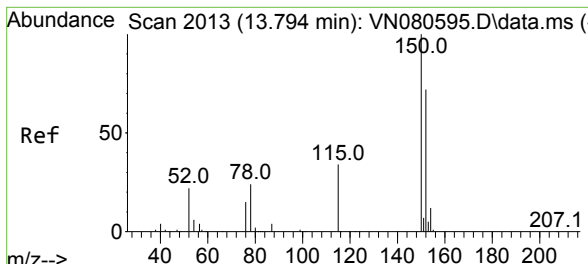
Tgt Ion: 95 Resp: 222389
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 72.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

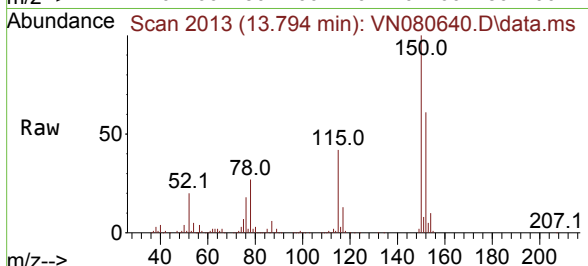
Tgt Ion: 117 Resp: 529992
Ion Ratio Lower Upper
117 100
82 60.6 44.0 66.0
119 32.3 25.6 38.4





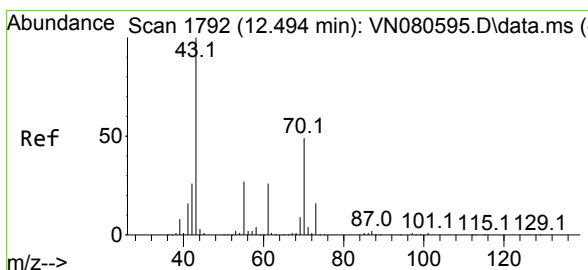
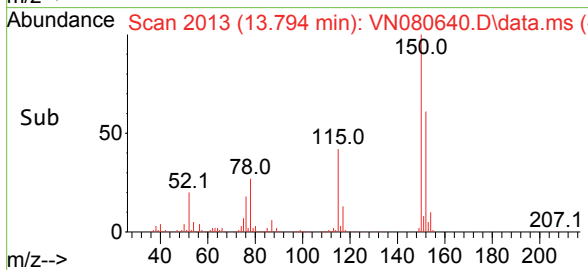
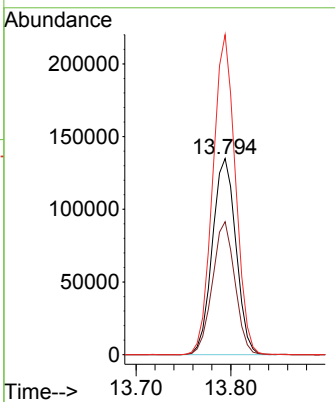
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080640.D
 Acq: 03 Jan 2024 15:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 233399

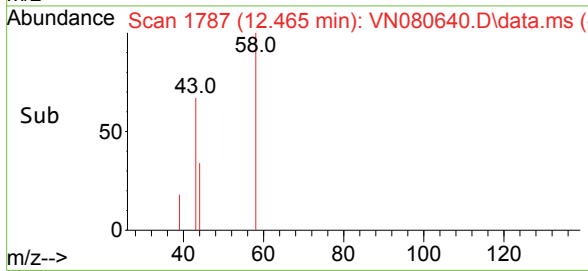
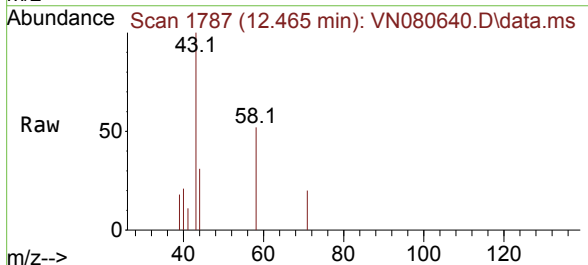
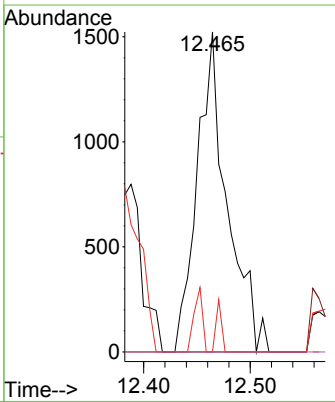
Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.3	96.8
150	156.6	0.0	355.8

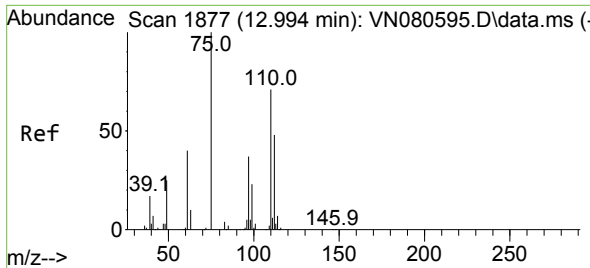


#74
 N-amy1 acetate
 Concen: 0.531 ug/l
 RT: 12.465 min Scan# 1787
 Delta R.T. -0.029 min
 Lab File: VN080640.D
 Acq: 03 Jan 2024 15:20

Tgt Ion: 43 Resp: 2990

Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	2.9	21.4	32.0#
61	0.0	22.8	34.2#

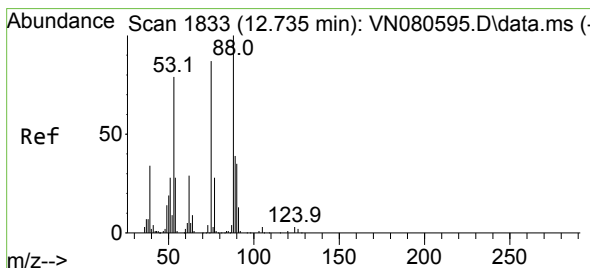
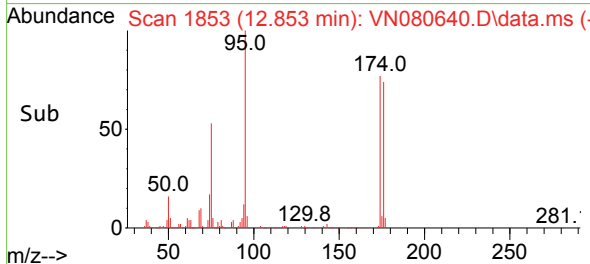
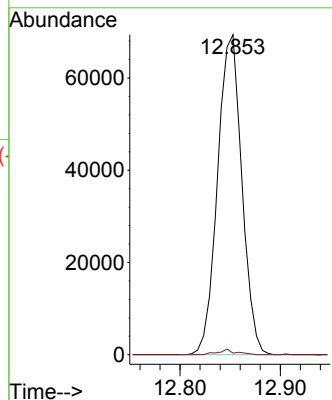
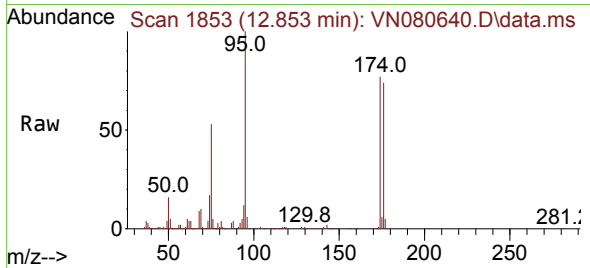




#76
1,2,3-Trichloropropane
Concen: 23.222 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 116577
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080640.D
Acq: 03 Jan 2024 15:20

Tgt Ion: 75 Resp: 116577
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

