

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079550.D
 Acq On : 12 Oct 2023 17:11
 Operator : JC\MD
 Sample : PB156319ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:22:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

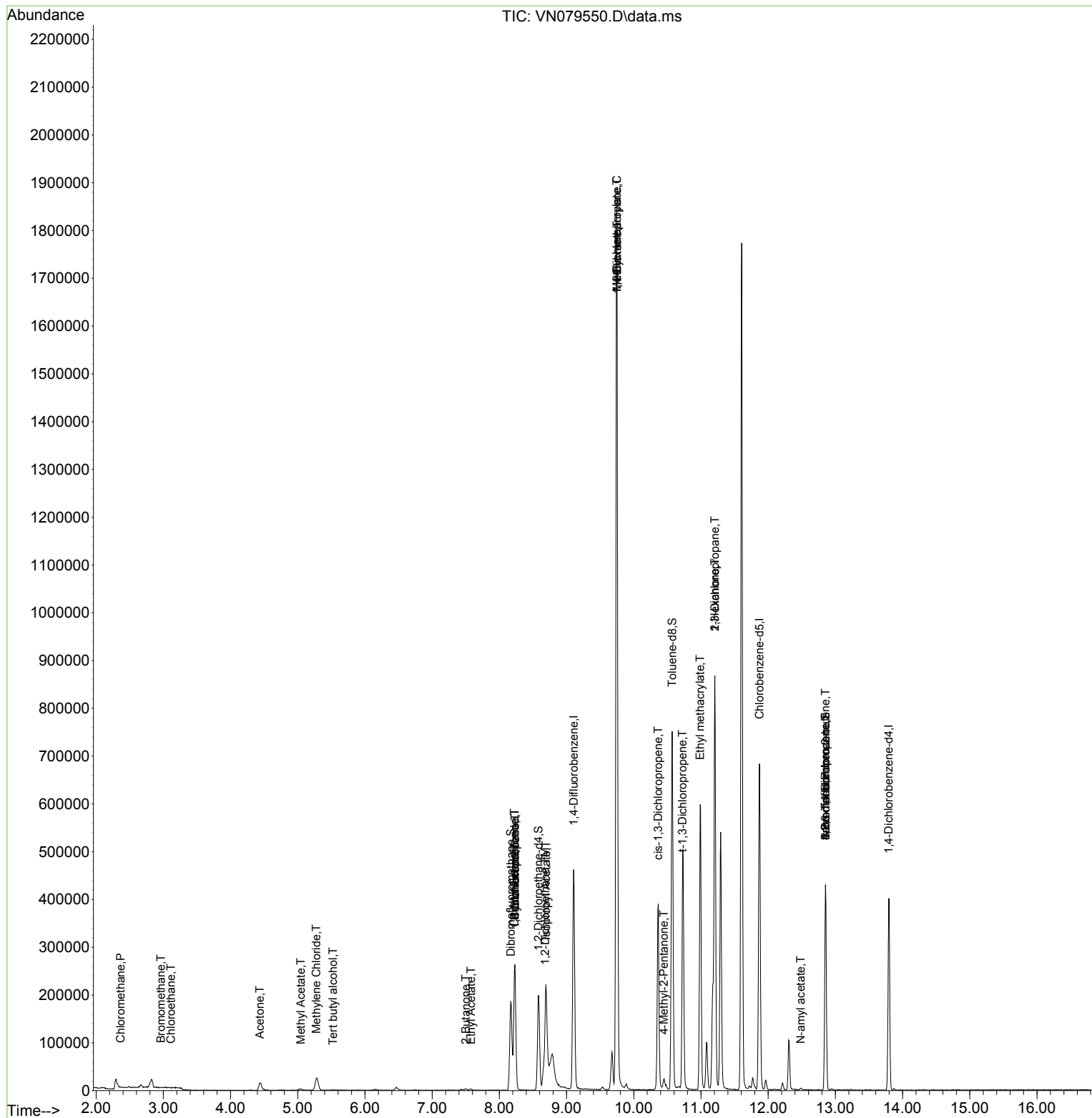
Internal Standards						
1) Pentafluorobenzene	8.230	168	181212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	381759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156012	53.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.200%			
35) Dibromofluoromethane	8.171	113	133475	48.673	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.571	98	504374	50.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.853	95	140110	44.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.000%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	735	0.227	ug/l #	42
5) Bromomethane	2.965	94	407	0.202	ug/l	90
6) Chloroethane	3.112	64	695	0.274	ug/l #	43
11) Tert butyl alcohol	5.524	59	241	0.545	ug/l #	72
16) Acetone	4.436	43	31274	26.836	ug/l	93
18) Methyl Acetate	5.047	43	6228	1.092	ug/l #	74
20) Methylene Chloride	5.277	84	20093	7.360	ug/l #	86
25) 2-Butanone	7.500	43	5239	3.029	ug/l #	83
31) Cyclohexane	8.230	56	5293	1.270	ug/l #	53
36) 1,1-Dichloropropene	8.236	75	16436	3.993	ug/l #	48
37) Ethyl Acetate	7.577	43	5001	1.221	ug/l #	69
38) Carbon Tetrachloride	8.224	117	20510	4.978	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	1393	0.314	ug/l #	73
43) Isopropyl Acetate	8.694	43	280025	39.029	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	2246	0.697	ug/l #	45
48) Methyl methacrylate	9.747	41	170688	55.516	ug/l #	28
49) 1,4-Dioxane	9.753	88	168	2.967	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20930	5.168	ug/l #	72
53) t-1,3-Dichloropropene	10.724	75	1498	0.346	ug/l #	6
54) cis-1,3-Dichloropropene	10.365	75	65678	13.876	ug/l #	71
56) Ethyl methacrylate	10.988	69	2695	0.679	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8742	1.753	ug/l #	42
59) 2-Hexanone	11.206	43	105070	35.950	ug/l #	49
71) Bromoform	12.853	173	1398	0.614	ug/l #	1
74) N-amyl acetate	12.482	43	2187	0.547	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.847	83	62	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	80115	26.508	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	80115	76.913	ug/l #	15

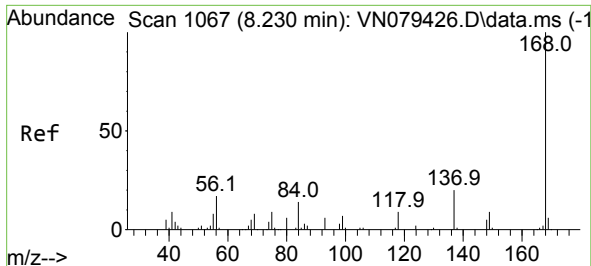
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
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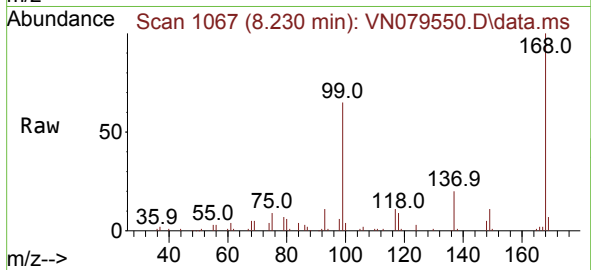
Quant Time: Oct 13 01:22:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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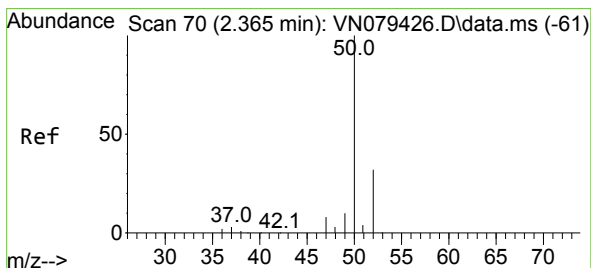
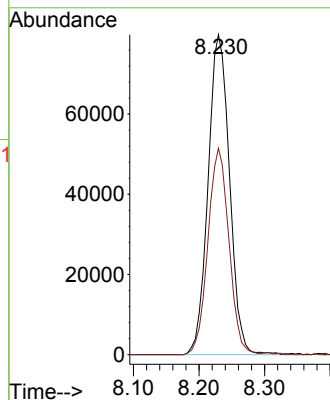
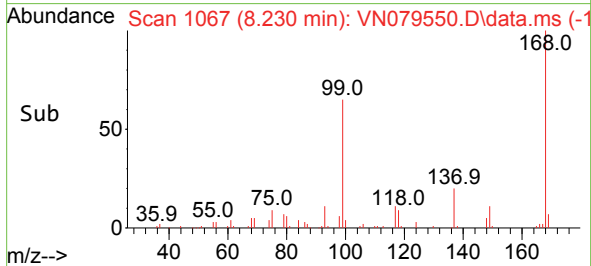


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

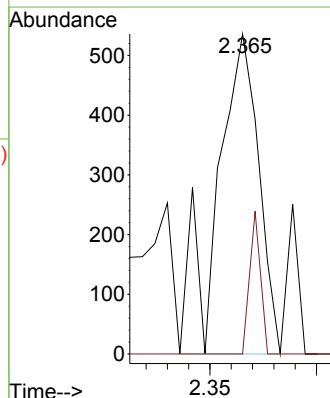
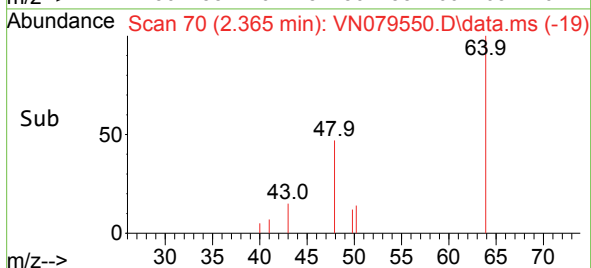
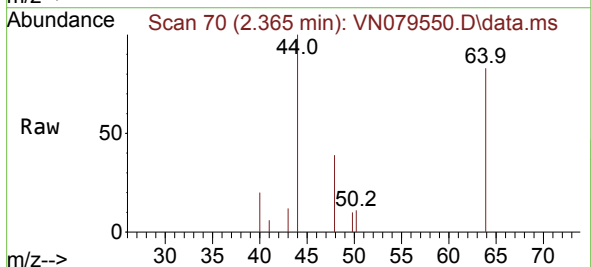


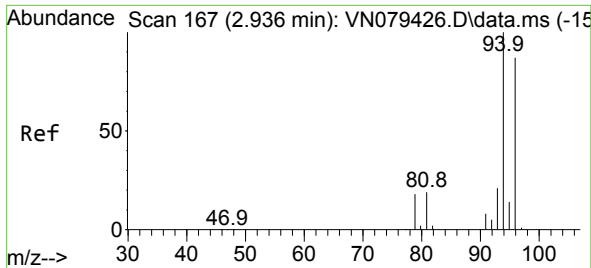
Tgt Ion:168 Resp: 181212
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

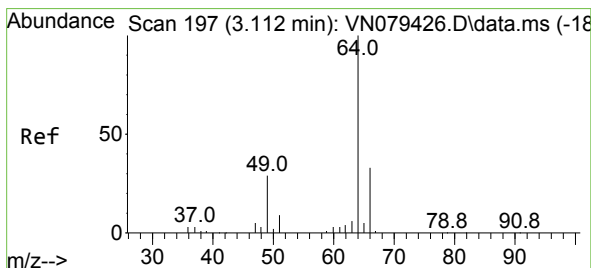
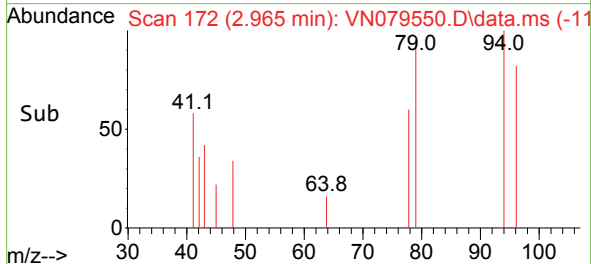
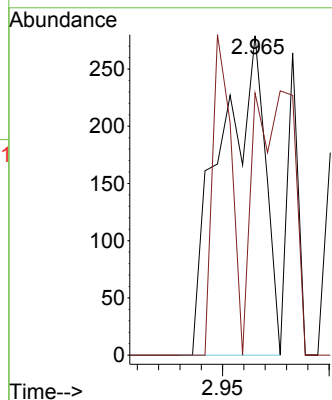
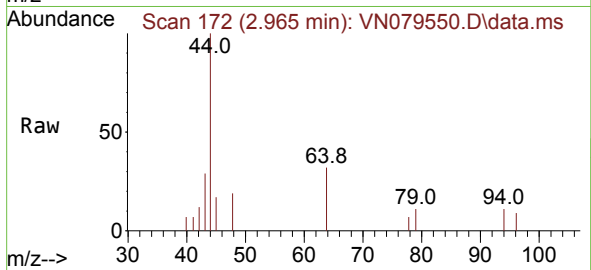




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

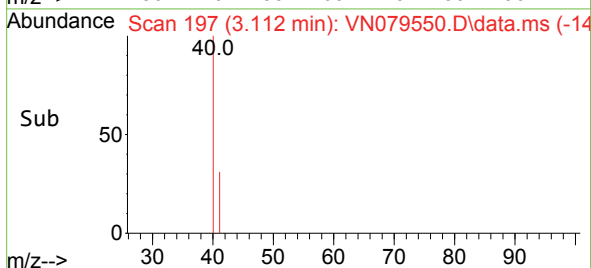
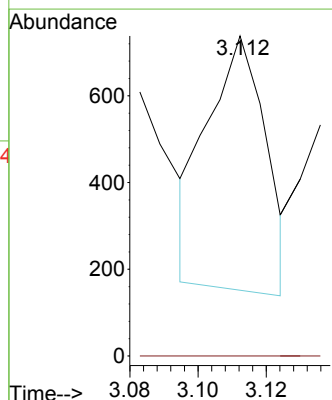
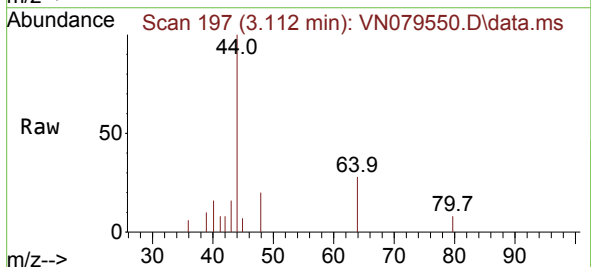
Instrument :
MSVOA_N
ClientSampleId :

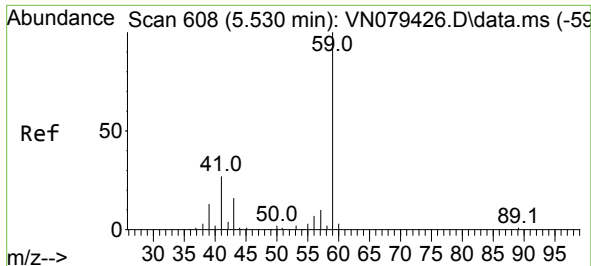
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 82.1 73.1 109.7



#6
Chloroethane
Concen: 0.274 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

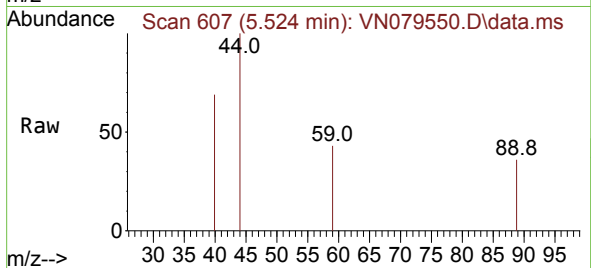
Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



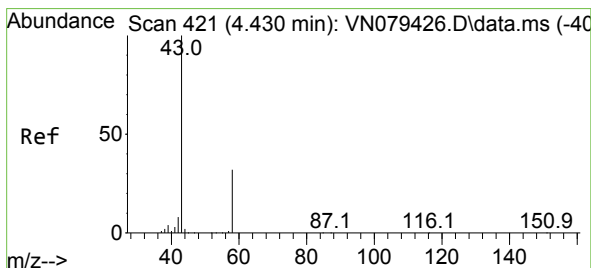
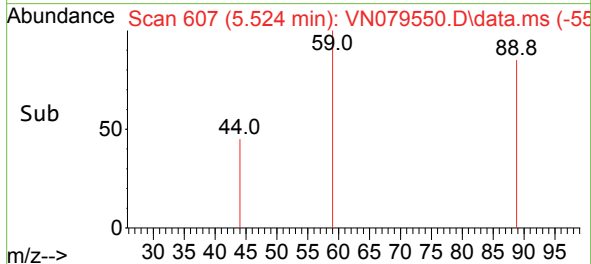
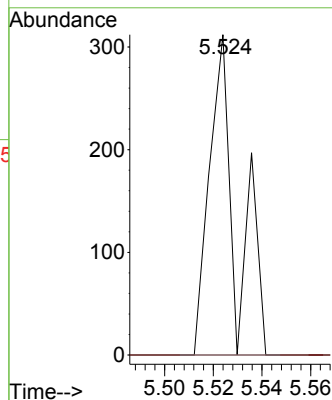


#11
Tert butyl alcohol
Concen: 0.545 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

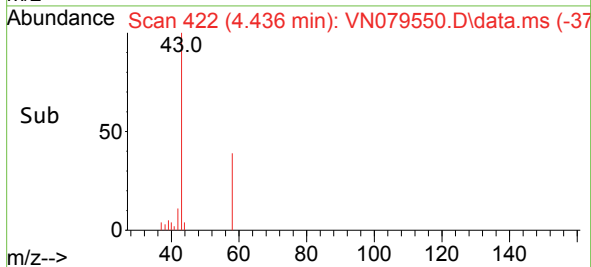
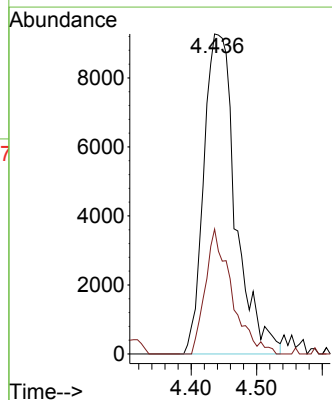
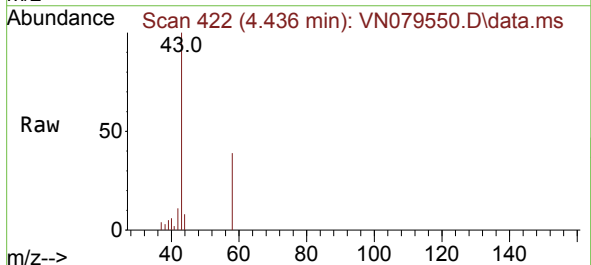


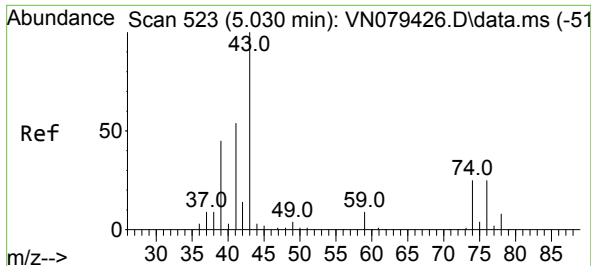
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 26.836 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 43 Resp: 31274
Ion Ratio Lower Upper
43 100
58 39.0 28.0 42.0

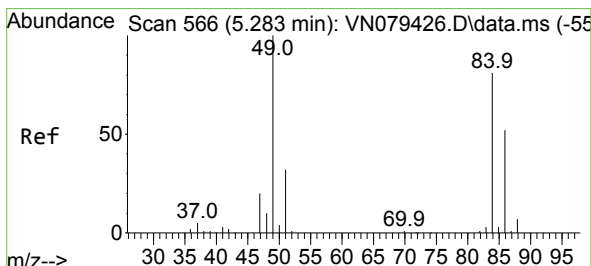
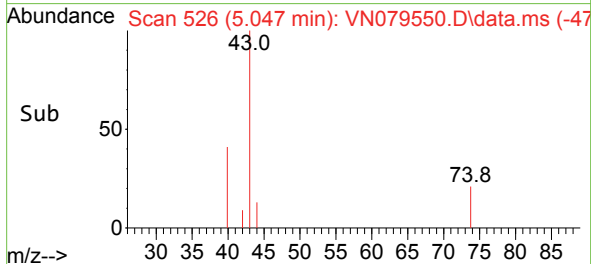
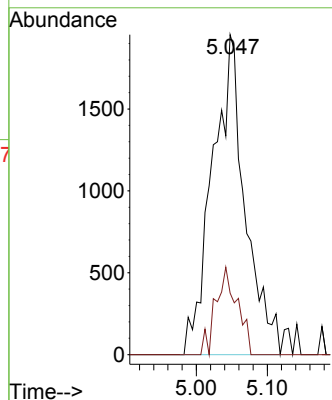
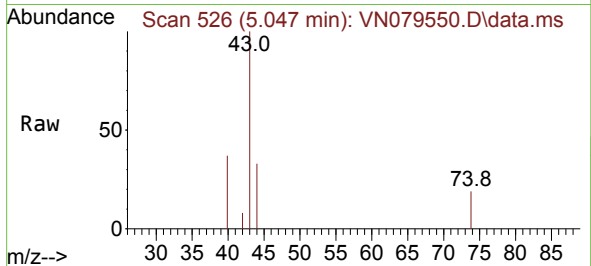




#18
Methyl Acetate
Concen: 1.092 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

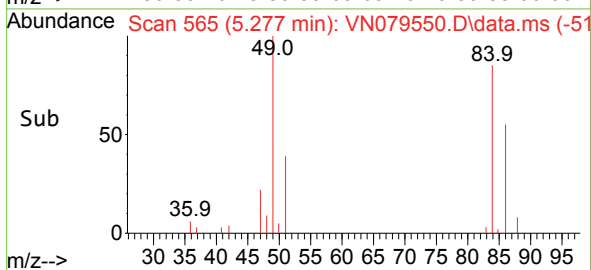
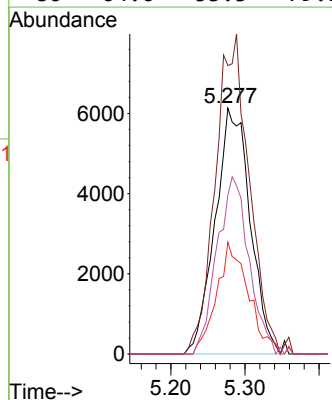
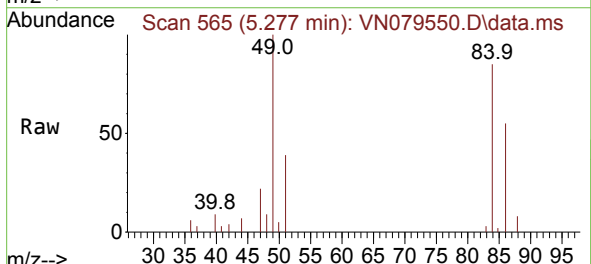
Instrument :
MSVOA_N
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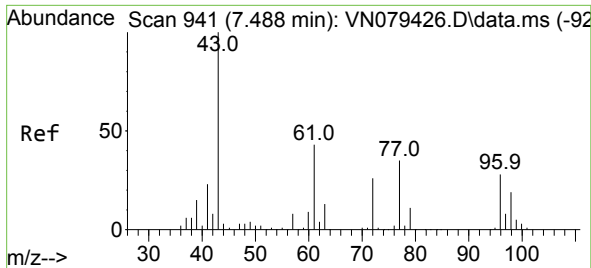
Tgt Ion: 43 Resp: 6228
Ion Ratio Lower Upper
43 100
74 18.0 26.2 39.4#



#20
Methylene Chloride
Concen: 7.360 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

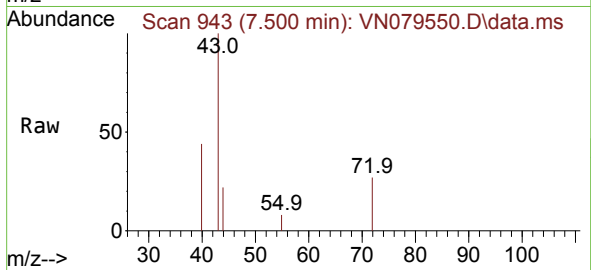
Tgt Ion: 84 Resp: 20093
Ion Ratio Lower Upper
84 100
49 117.3 79.7 119.5
51 45.4 25.2 37.8#
86 64.6 53.3 79.9



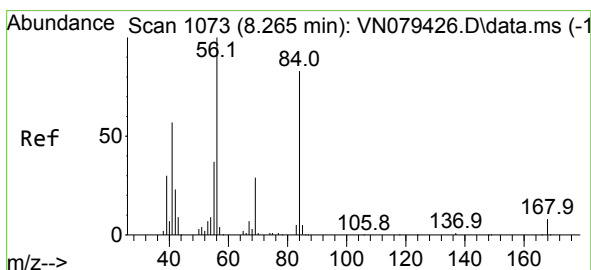
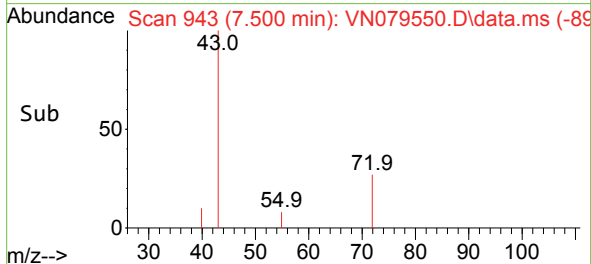
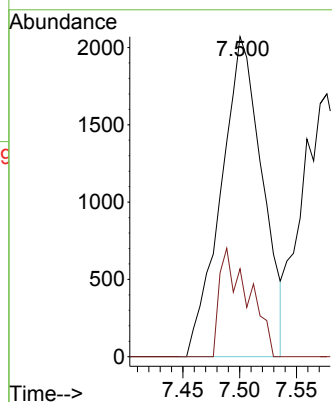


#25
2-Butanone
Concen: 3.029 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

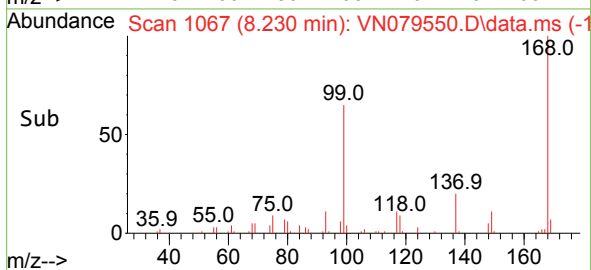
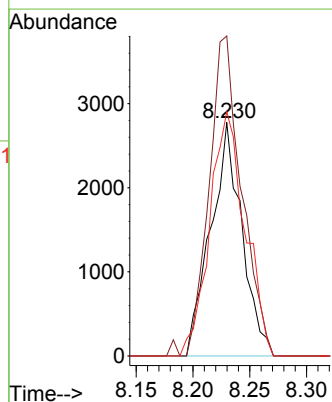
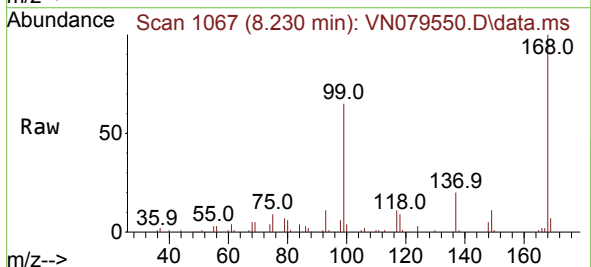


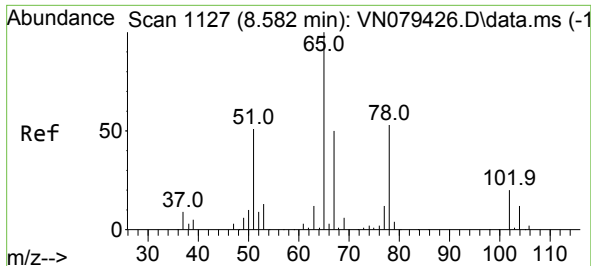
Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
72 27.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 56 Resp: 5293
Ion Ratio Lower Upper
56 100
69 137.0 26.8 40.2#
84 104.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.098 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

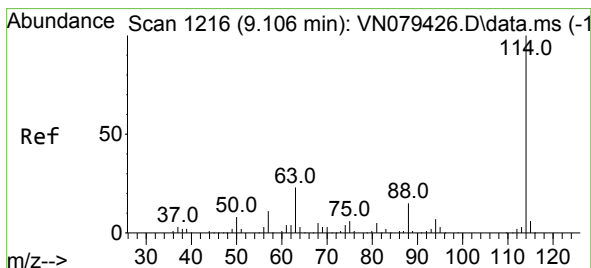
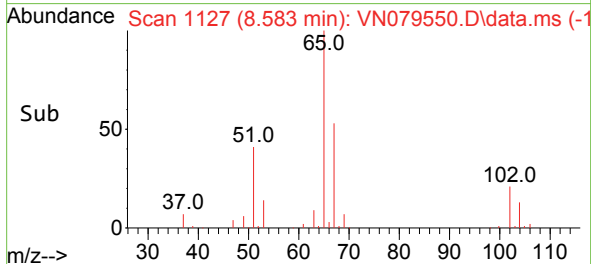
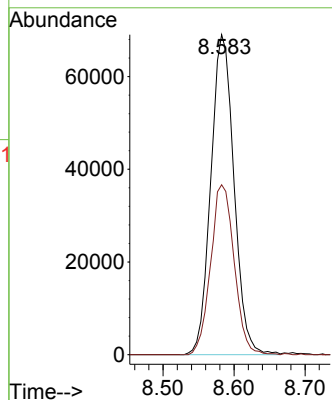
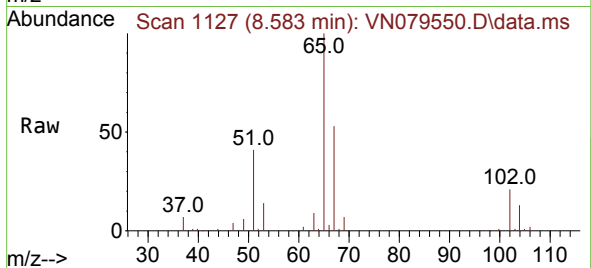
ClientSampleId :

Tgt Ion: 65 Resp: 156012

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

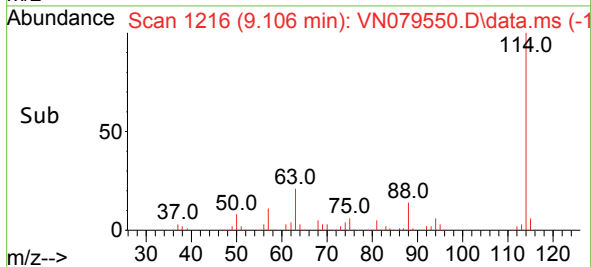
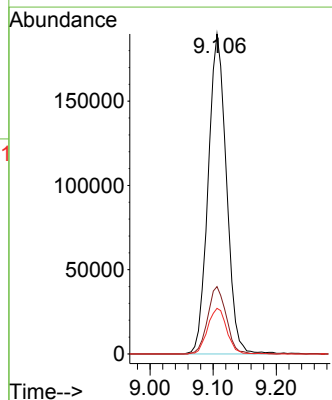
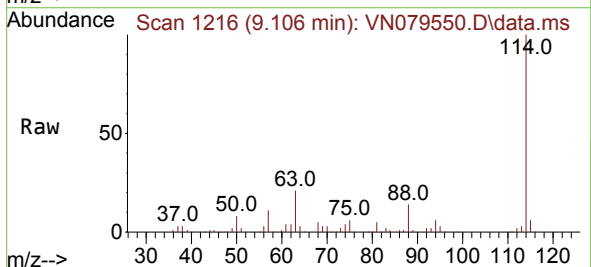
Tgt Ion: 114 Resp: 381594

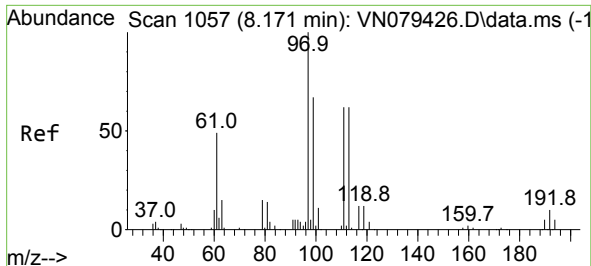
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.673 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

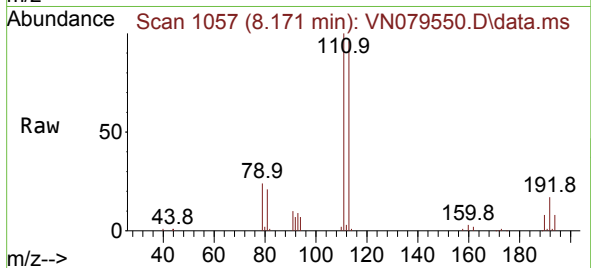
Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



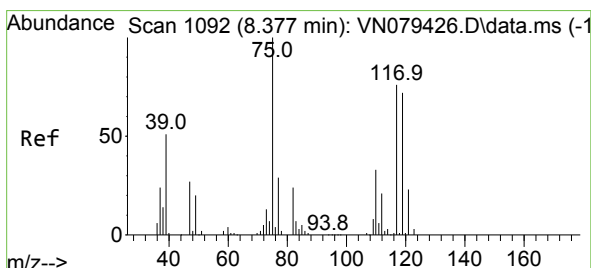
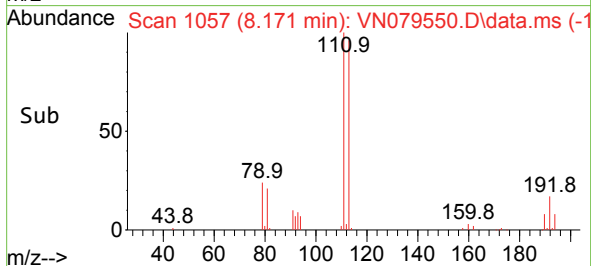
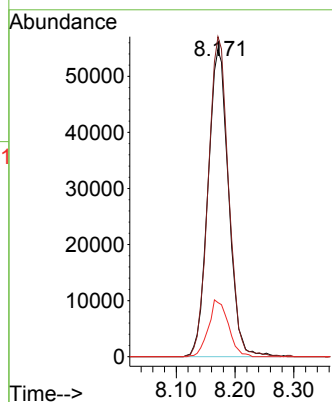
Tgt Ion:113 Resp: 133475

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 17.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.993 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

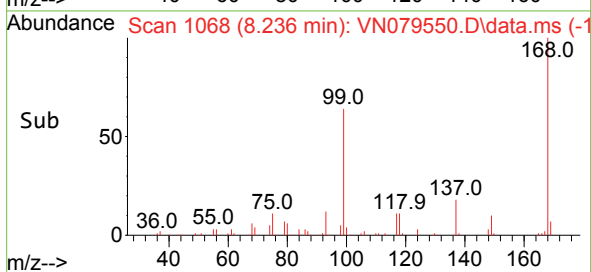
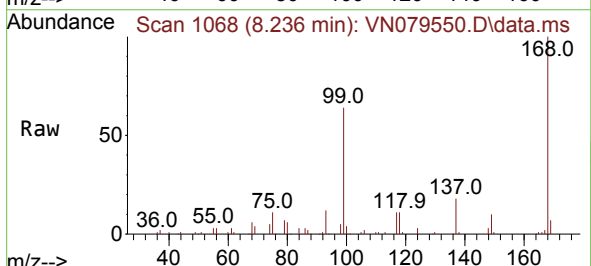
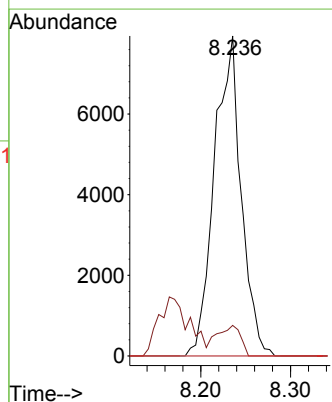
Tgt Ion: 75 Resp: 16436

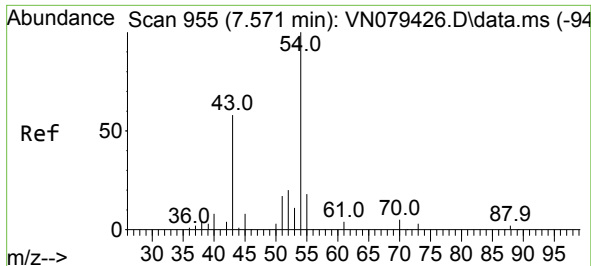
Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

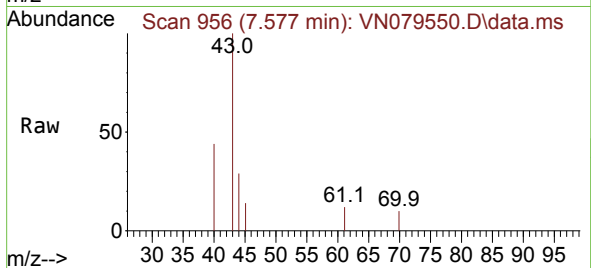
77 0.0 25.0 37.4#



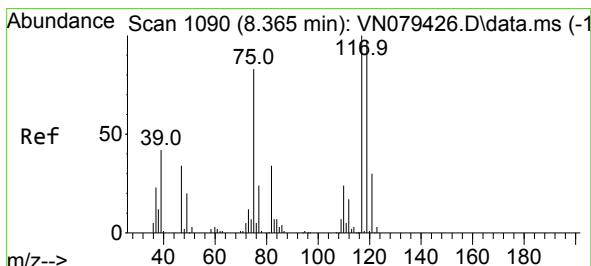
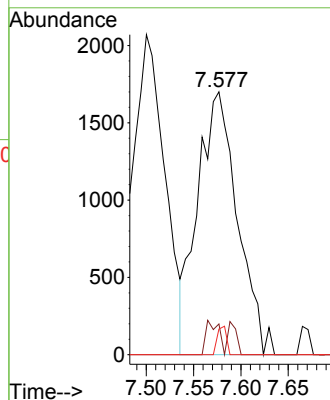
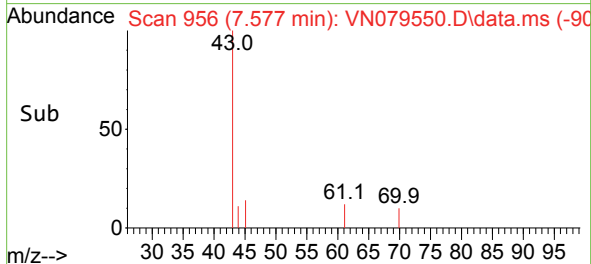


#37
Ethyl Acetate
Concen: 1.221 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

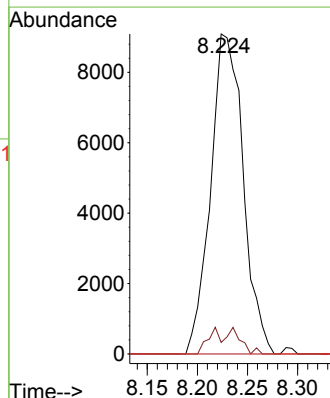
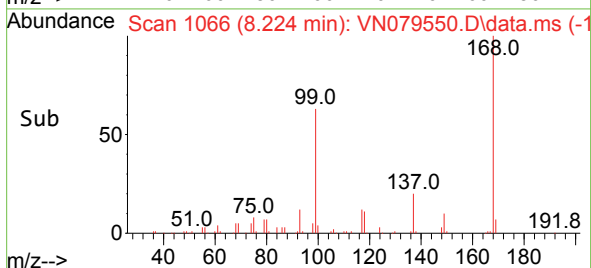
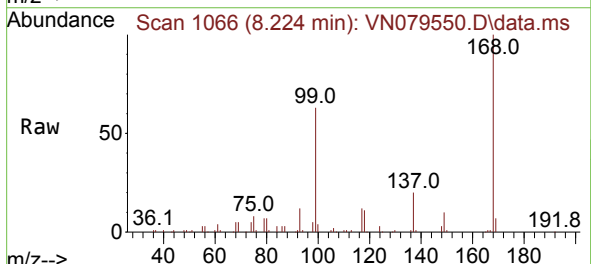


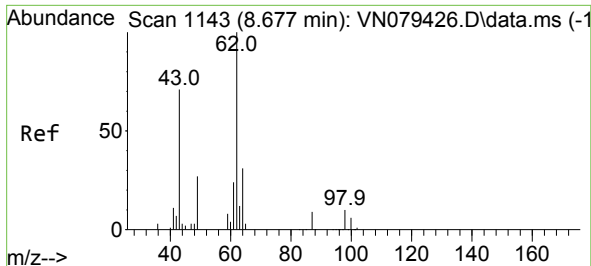
Tgt Ion: 43 Resp: 5001
Ion Ratio Lower Upper
43 100
61 2.7 13.2 19.8#
70 2.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.978 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 117 Resp: 20510
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.314 ug/l

RT: 8.683 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

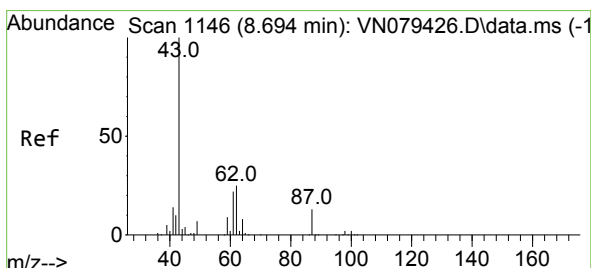
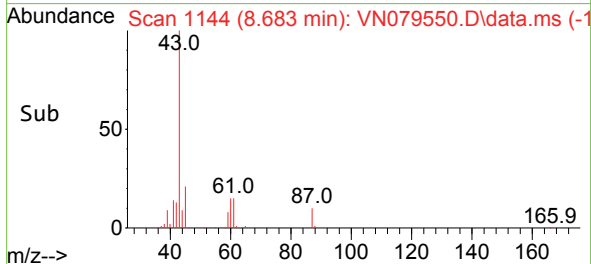
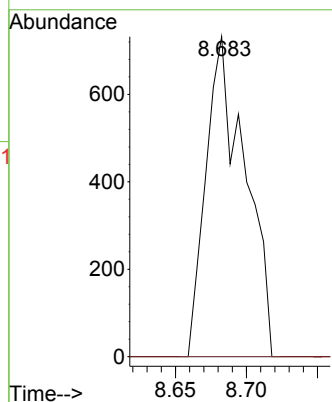
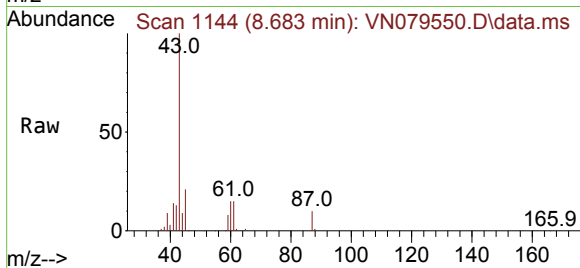
ClientSampleId :

Tgt Ion: 62 Resp: 1393

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.029 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

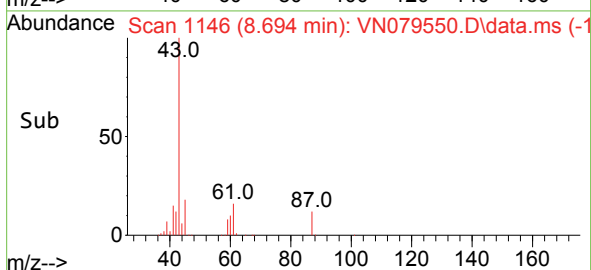
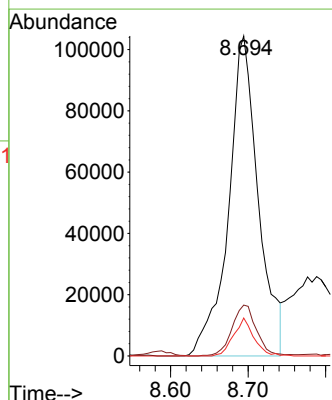
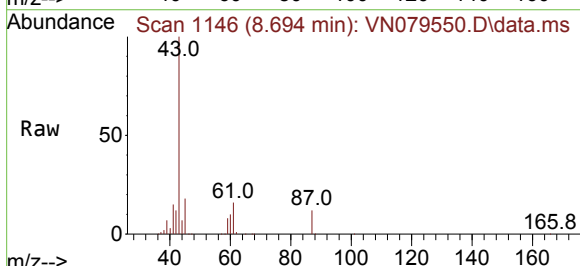
Tgt Ion: 43 Resp: 280025

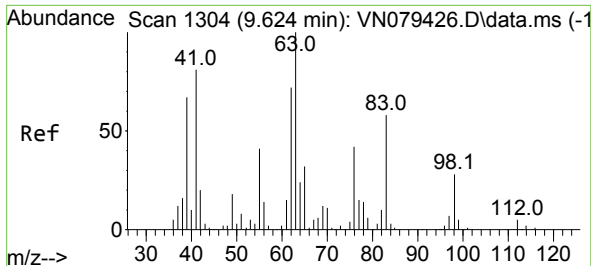
Ion Ratio Lower Upper

43 100

61 13.1 24.7 37.1#

87 8.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.697 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

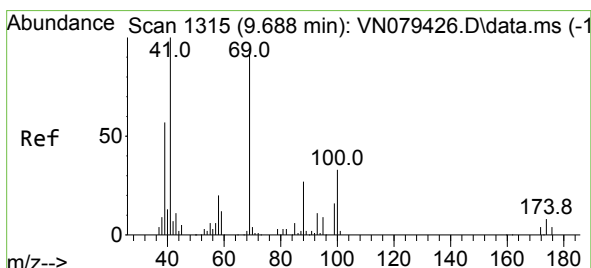
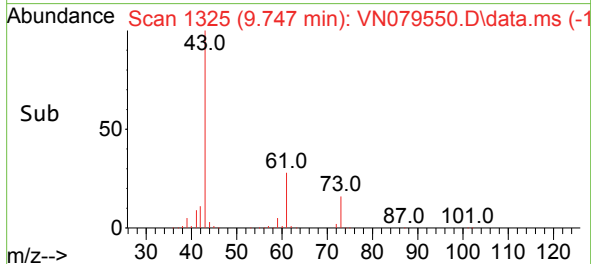
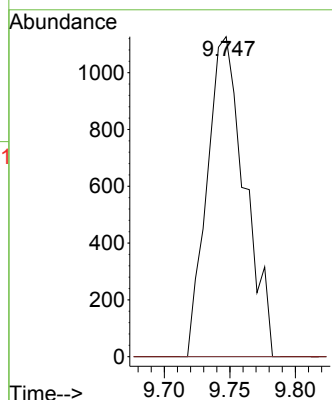
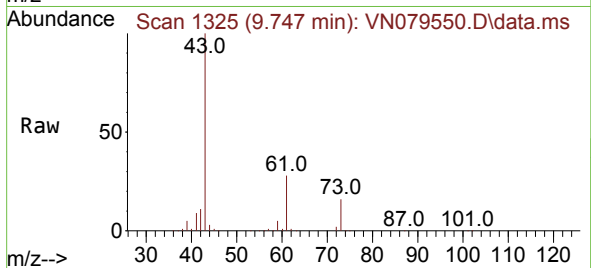
ClientSampleId :

Tgt Ion: 63 Resp: 2246

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 55.516 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

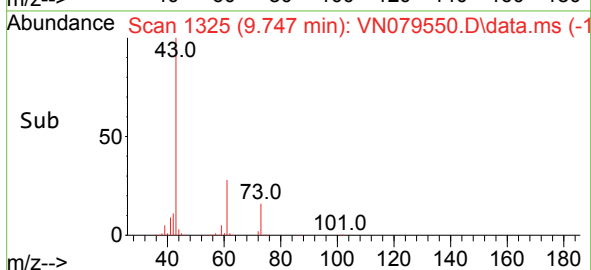
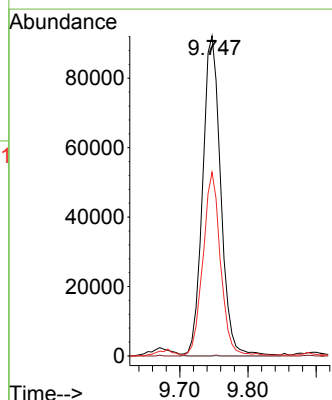
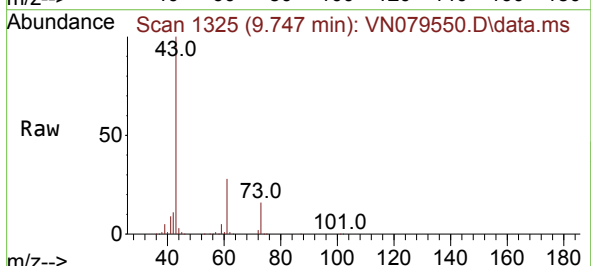
Tgt Ion: 41 Resp: 170688

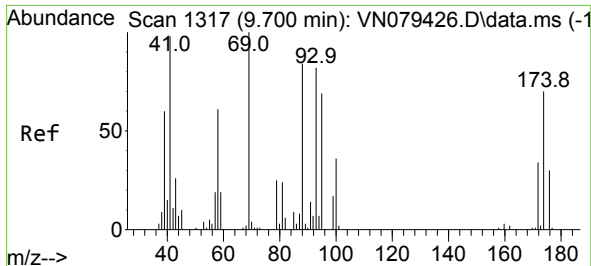
Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 55.3 54.6 81.8





#49

1,4-Dioxane

Concen: 2.967 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.053 min

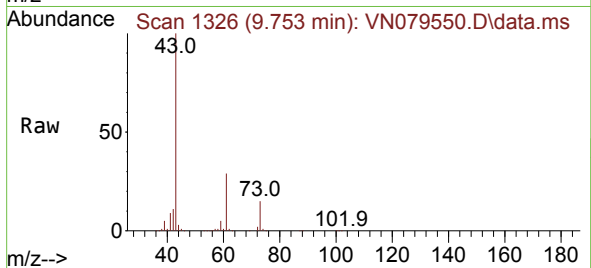
Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



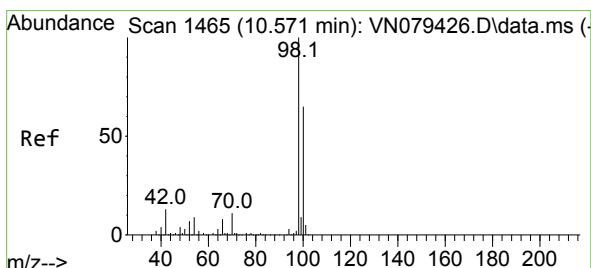
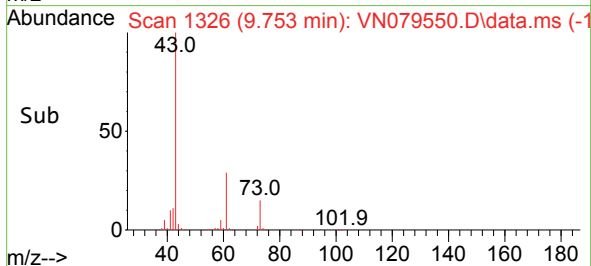
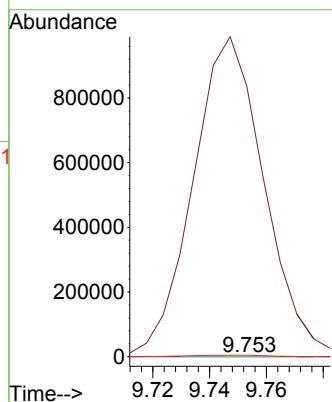
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

88 100

43 1036197.6 17.0 25.6#

58 5470.8 47.0 70.4#



#50

Toluene-d8

Concen: 50.832 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079550.D

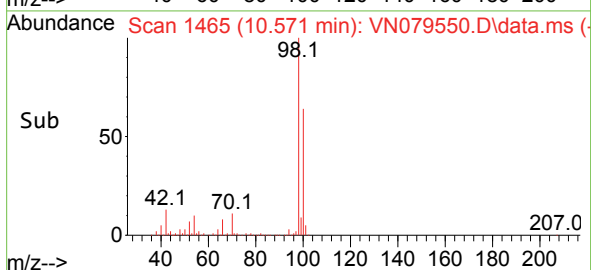
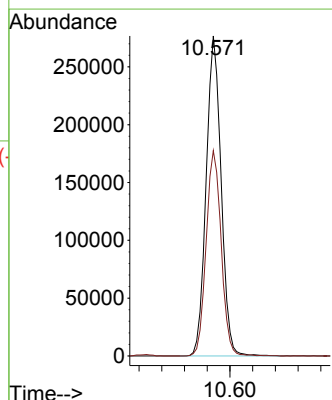
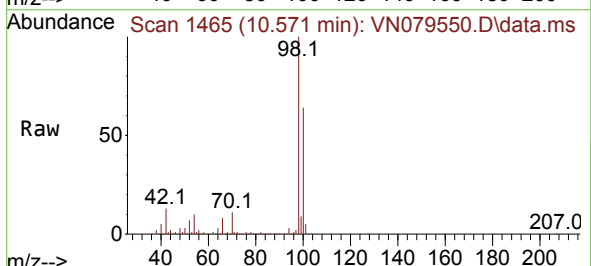
Acq: 12 Oct 2023 17:11

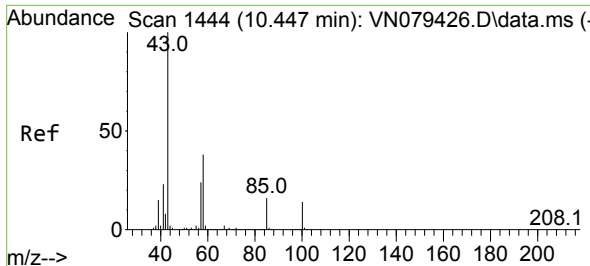
Tgt Ion: 98 Resp: 504374

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

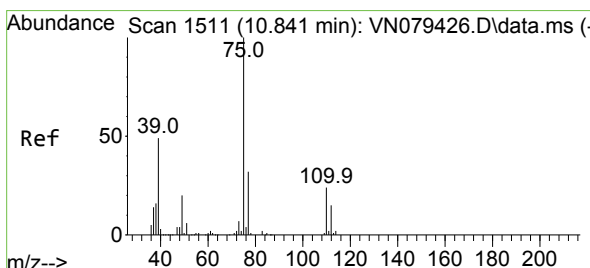
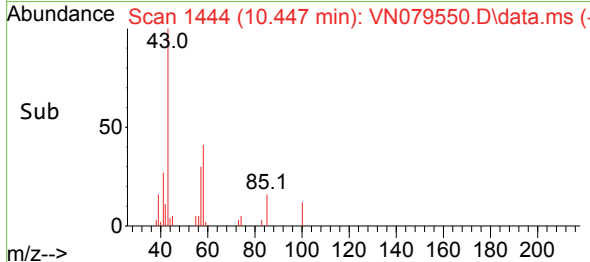
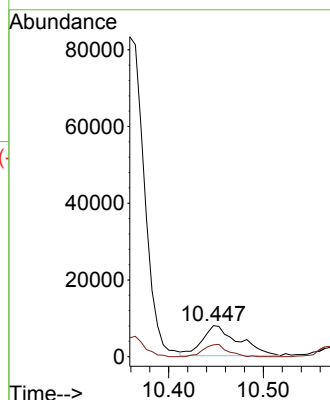
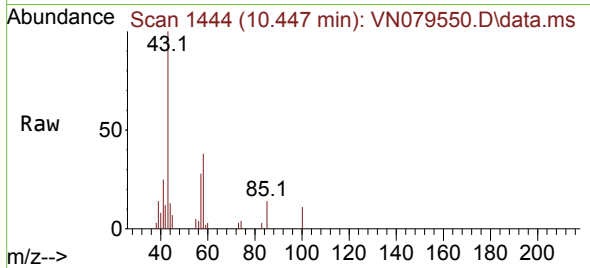




#51
4-Methyl-2-Pentanone
Concen: 5.168 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

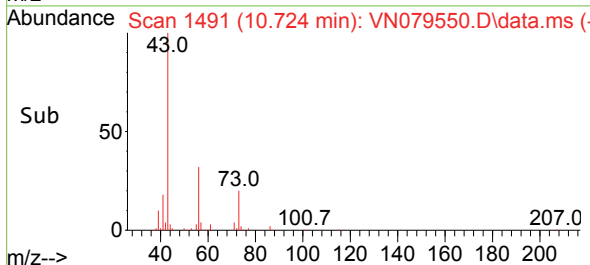
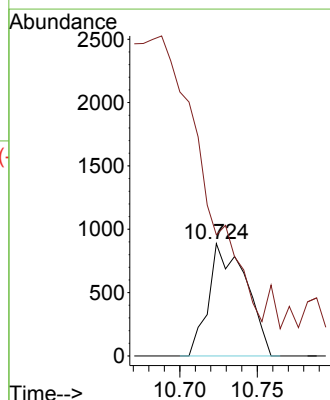
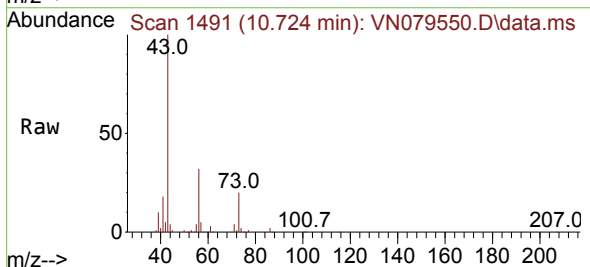
Instrument :
MSVOA_N
ClientSampleId :

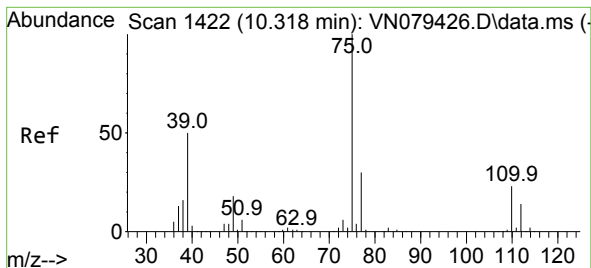
Tgt Ion: 43 Resp: 20930
Ion Ratio Lower Upper
43 100
58 27.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.346 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.118 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 75 Resp: 1498
Ion Ratio Lower Upper
75 100
77 83.7 25.4 38.0#

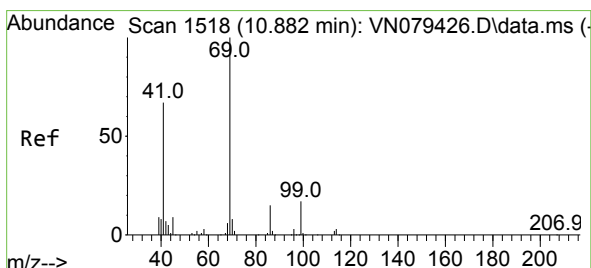
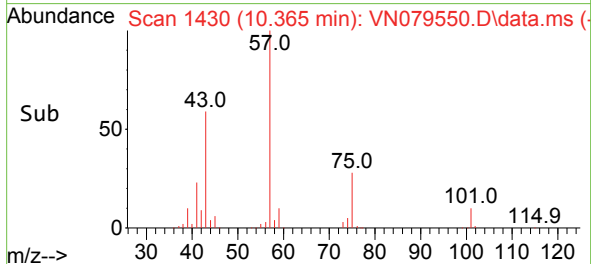
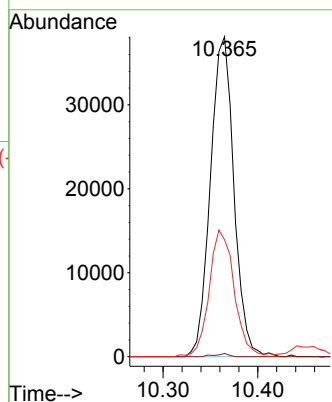
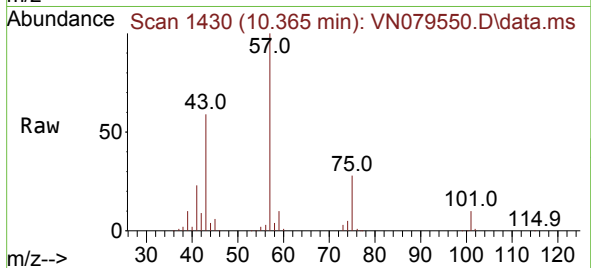




#54
 cis-1,3-Dichloropropene
 Concen: 13.876 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079550.D
 Acq: 12 Oct 2023 17:11

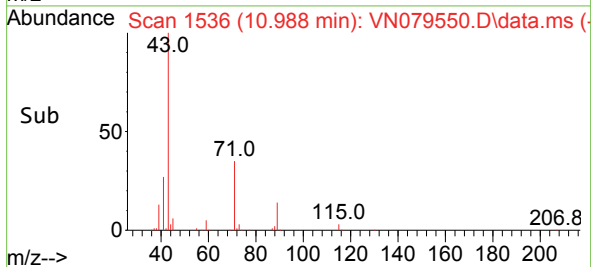
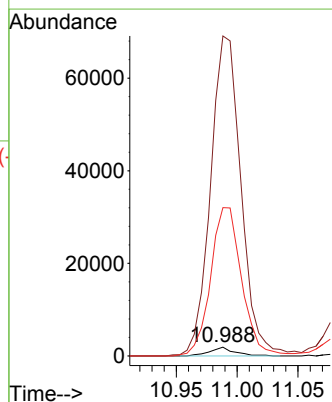
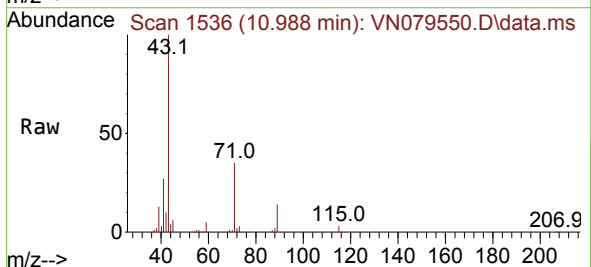
Instrument :
 MSVOA_N
 ClientSampleId :

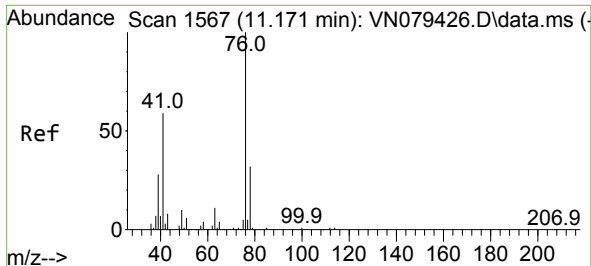
Tgt Ion: 75 Resp: 65678
 Ion Ratio Lower Upper
 75 100
 77 1.0 26.1 39.1#
 39 35.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.679 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079550.D
 Acq: 12 Oct 2023 17:11

Tgt Ion: 69 Resp: 2695
 Ion Ratio Lower Upper
 69 100
 41 4490.2 39.6 59.4#
 39 2108.5 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.753 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

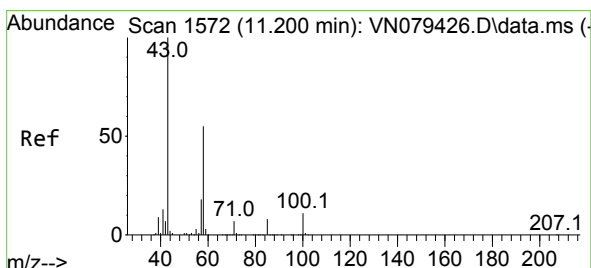
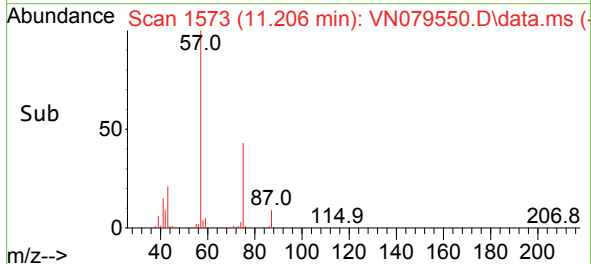
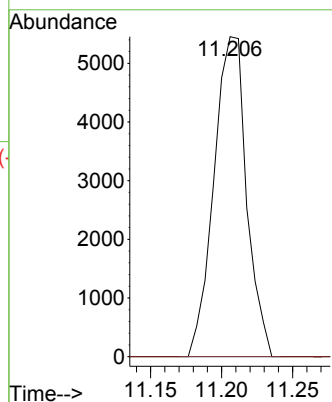
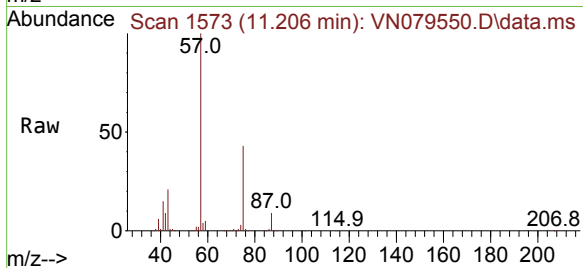
ClientSampleId :

Tgt Ion: 76 Resp: 8742

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.950 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079550.D

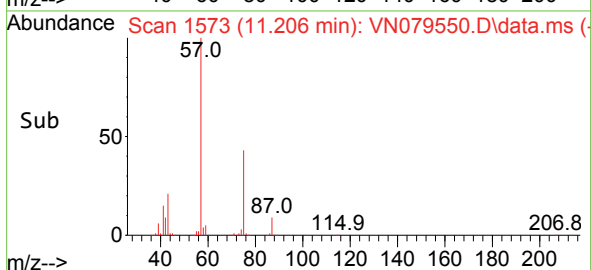
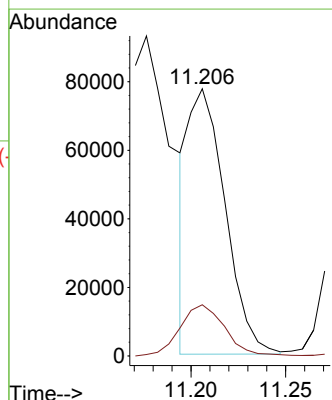
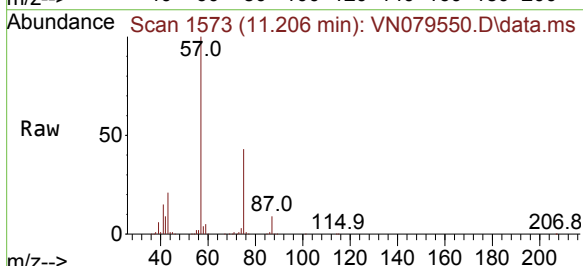
Acq: 12 Oct 2023 17:11

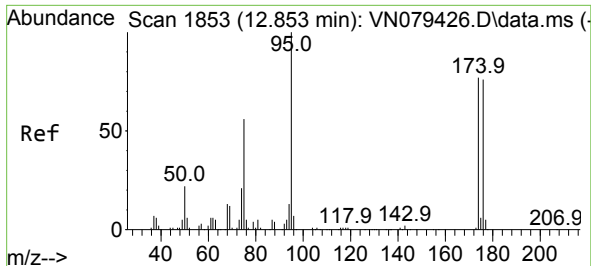
Tgt Ion: 43 Resp: 105070

Ion Ratio Lower Upper

43 100

58 23.4 31.7 95.1#

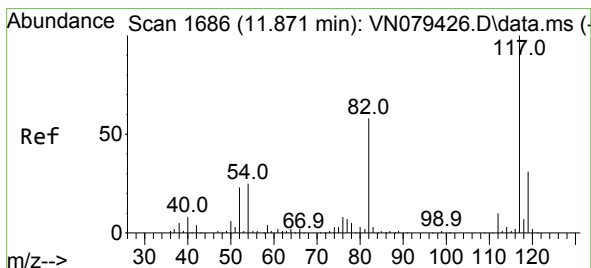
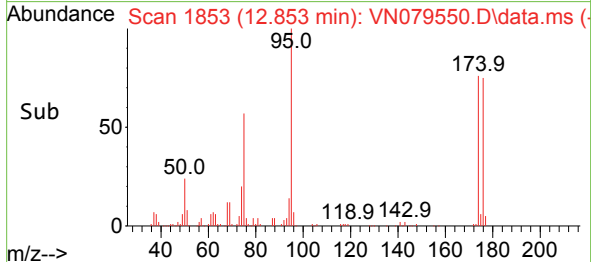
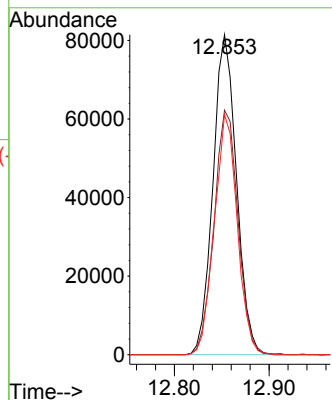
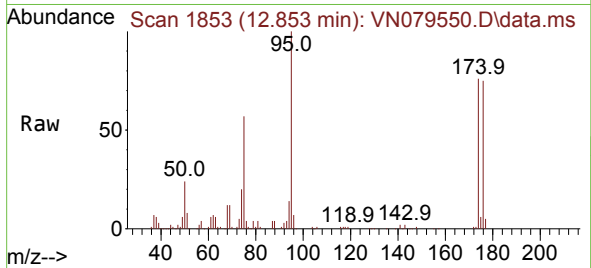




#62
4-Bromofluorobenzene
Concen: 44.001 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

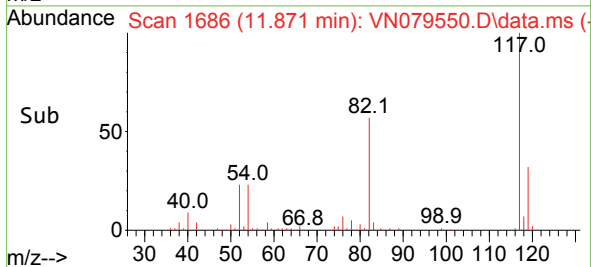
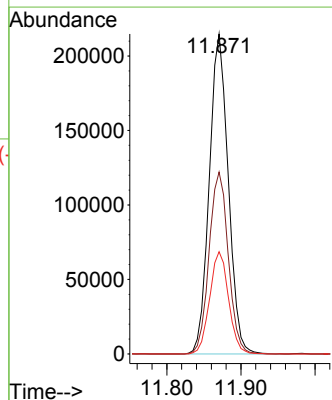
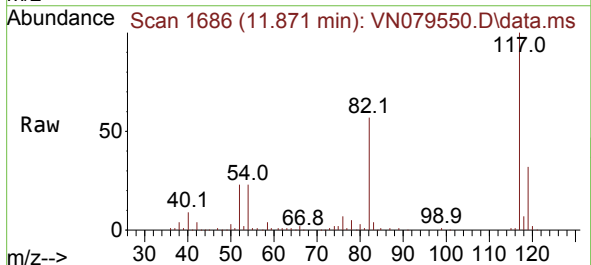
Instrument :
MSVOA_N
ClientSampleId :

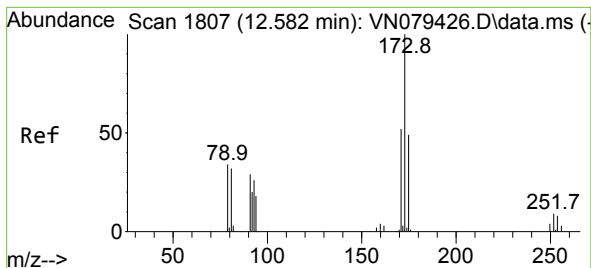
Tgt Ion: 95 Resp: 140110
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 117 Resp: 381759
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.614 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

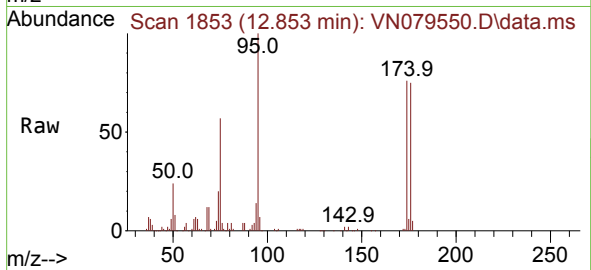
Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



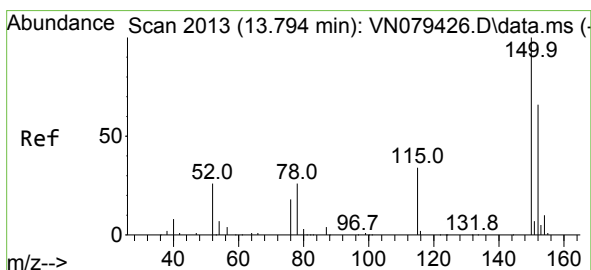
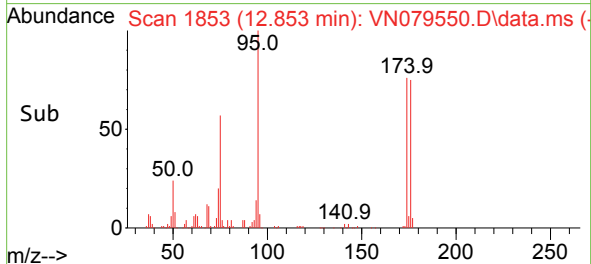
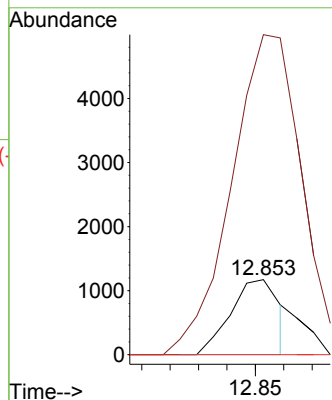
Tgt Ion:173 Resp: 1398

Ion Ratio Lower Upper

173 100

175 469.1 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079550.D

Acq: 12 Oct 2023 17:11

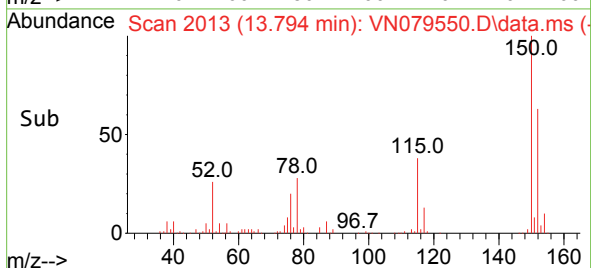
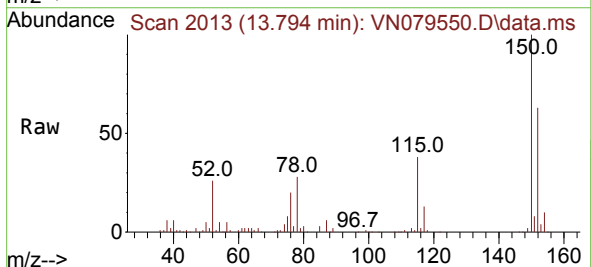
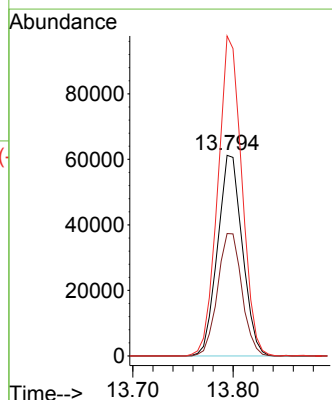
Tgt Ion:152 Resp: 104823

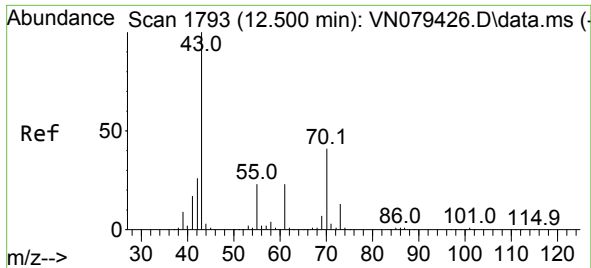
Ion Ratio Lower Upper

152 100

115 59.9 32.3 96.8

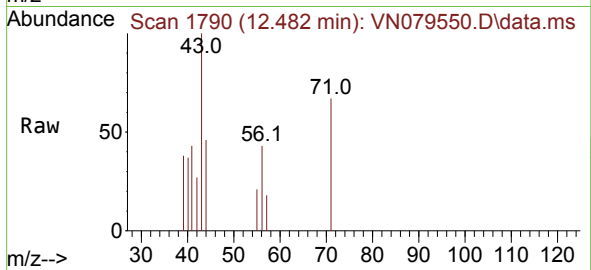
150 154.5 0.0 355.8



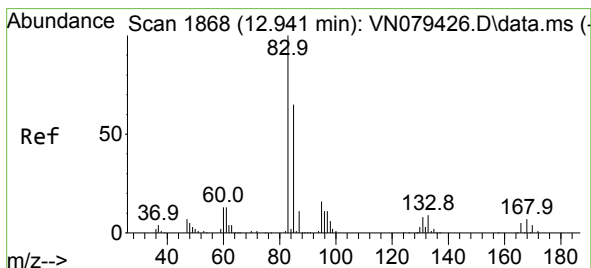
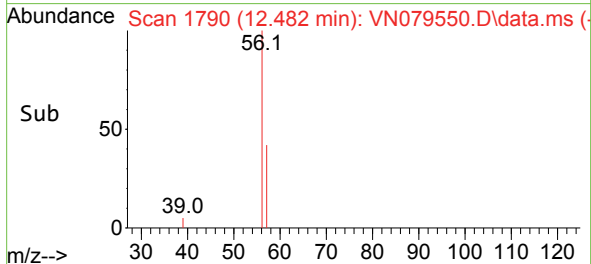
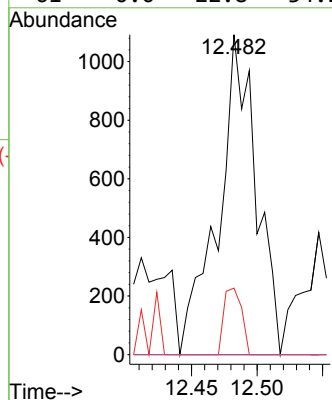


#74
N-amy1 acetate
Concen: 0.547 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

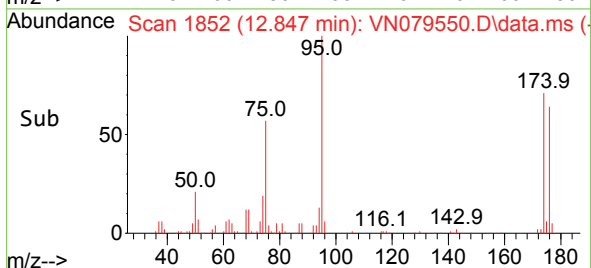
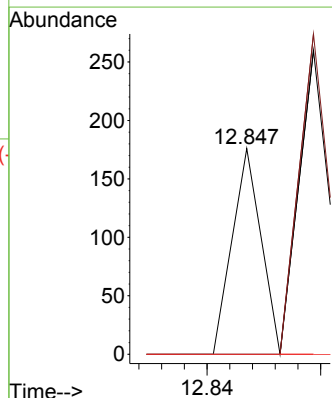
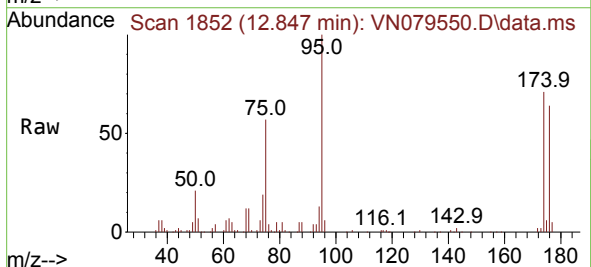


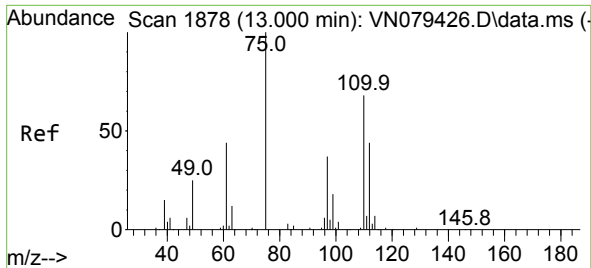
Tgt Ion: 43	Resp: 2187
Ion Ratio	Lower Upper
43	100
70	0.0 43.4 65.2#
55	9.7 21.4 32.0#
61	0.0 22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1852
Delta R.T. -0.094 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 83	Resp: 62
Ion Ratio	Lower Upper
83	100
131	156.5 5.0 15.0#
85	0.0 31.9 95.7#

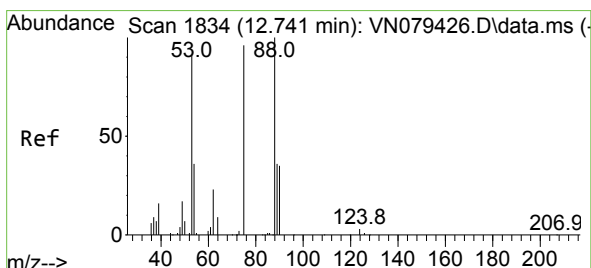
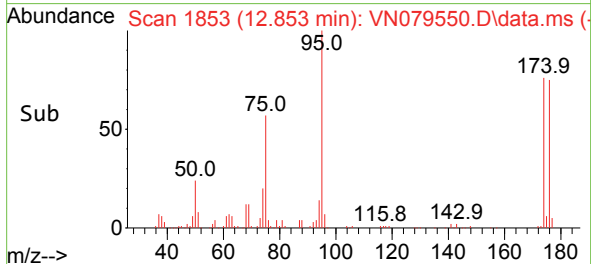
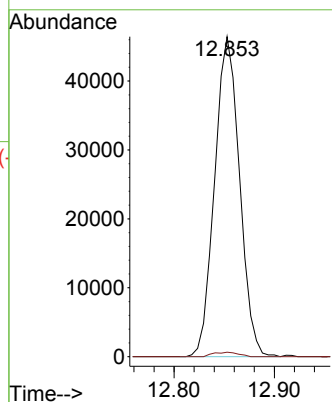
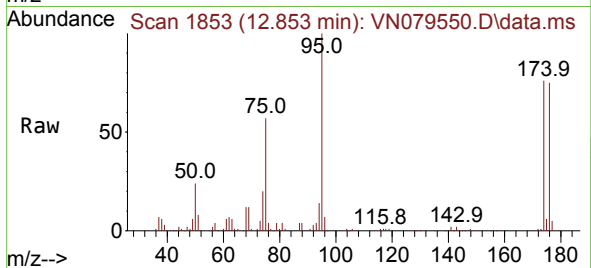




#76
1,2,3-Trichloropropane
Concen: 26.508 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 80115
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.913 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079550.D
Acq: 12 Oct 2023 17:11

Tgt Ion: 75 Resp: 80115
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

