

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079645.D
 Acq On : 23 Oct 2023 13:47
 Operator : JC\MD
 Sample : PB156545ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:50:02 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)

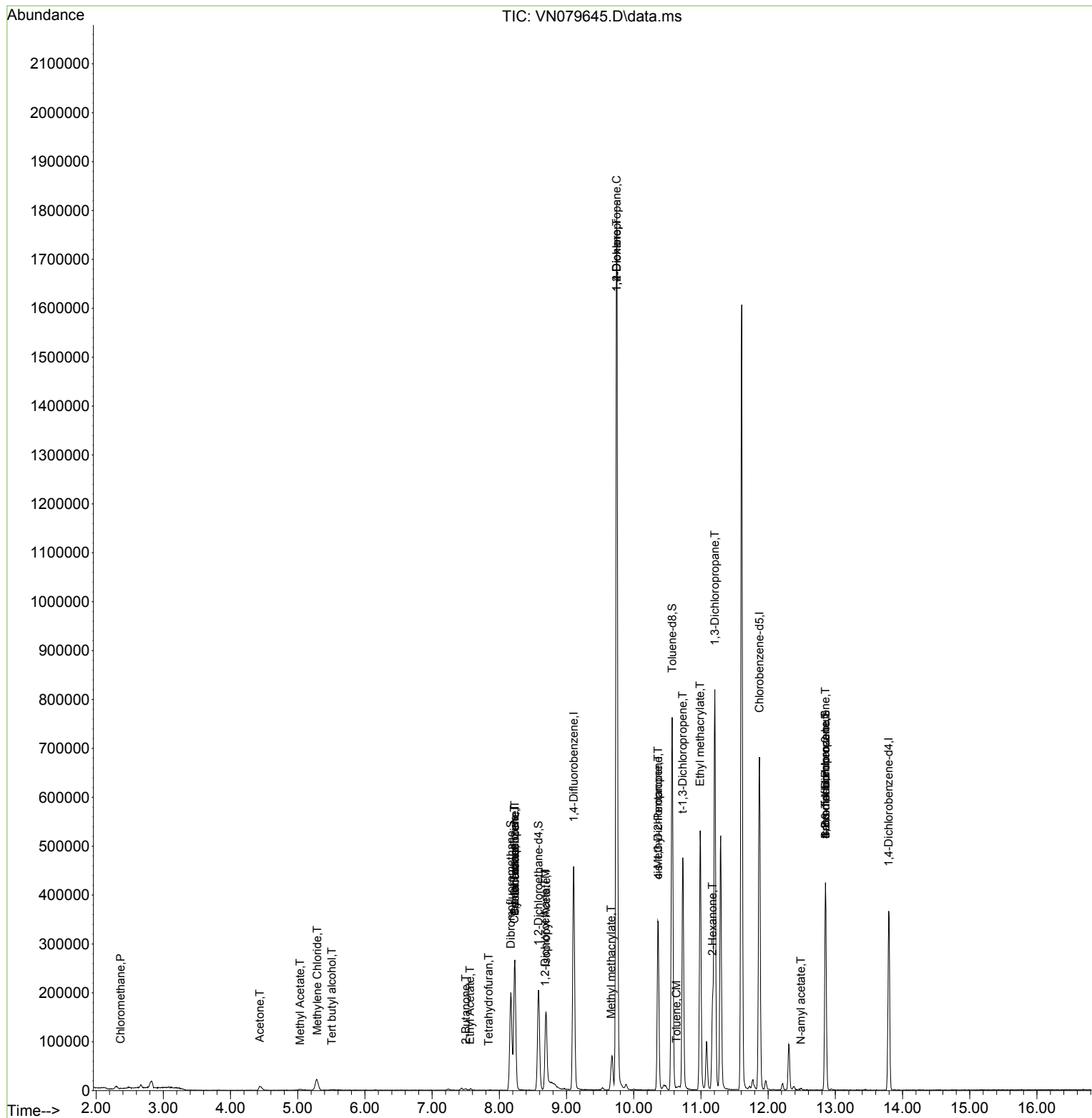
Internal Standards						
1) Pentafluorobenzene	8.230	168	180127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	376428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	386605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	166275	56.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.860%
35) Dibromofluoromethane	8.171	113	136650	50.515	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.020%
50) Toluene-d8	10.571	98	509798	52.084	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.853	95	139667	44.463	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	788	0.245	ug/l #	84
11) Tert butyl alcohol	5.506	59	962	2.188	ug/l #	72
16) Acetone	4.436	43	17178	14.829	ug/l #	81
18) Methyl Acetate	5.036	43	1988	0.351	ug/l	94
20) Methylene Chloride	5.289	84	17586	6.408	ug/l #	92
25) 2-Butanone	7.500	43	5001	2.909	ug/l #	73
29) Tetrahydrofuran	7.841	42	318	0.286	ug/l #	20
31) Cyclohexane	8.230	56	5056	1.220	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	16503	4.065	ug/l #	47
37) Ethyl Acetate	7.565	43	5035	1.246	ug/l #	71
38) Carbon Tetrachloride	8.224	117	20337	5.004	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1226	0.280	ug/l #	73
43) Isopropyl Acetate	8.694	43	187255	26.457	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	2319	0.730	ug/l #	45
48) Methyl methacrylate	9.665	41	5451	1.797	ug/l #	32
49) 1,4-Dioxane	9.747	88	343	6.140	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	130191	32.585	ug/l #	42
52) Toluene	10.635	92	1428	0.201	ug/l	79
53) t-1,3-Dichloropropene	10.730	75	1328	0.311	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	59594	12.763	ug/l #	73
56) Ethyl methacrylate	10.988	69	2677	0.684	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8604	1.749	ug/l #	42
59) 2-Hexanone	11.171	43	142345	49.372	ug/l #	19
71) Bromoform	12.853	173	1246	0.540	ug/l #	1
74) N-amyl acetate	12.488	43	2167	0.583	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.841	83	147	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	78118	27.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78118	80.601	ug/l #	15

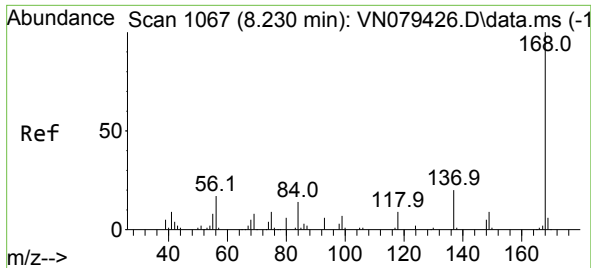
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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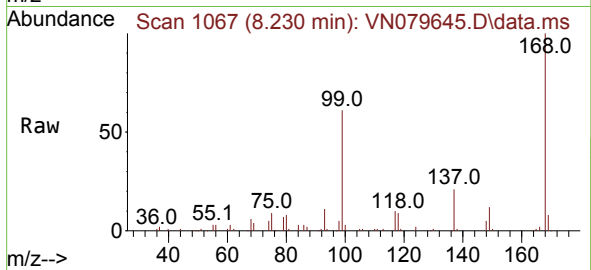
Quant Time: Oct 23 23:50:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



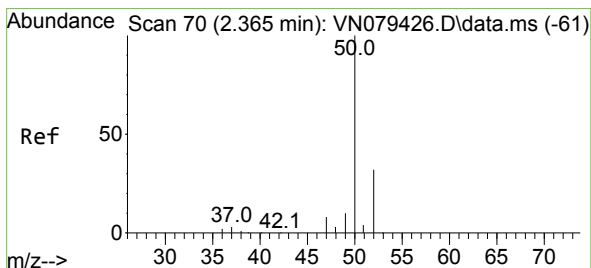
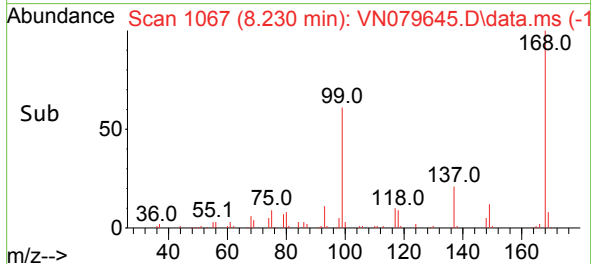
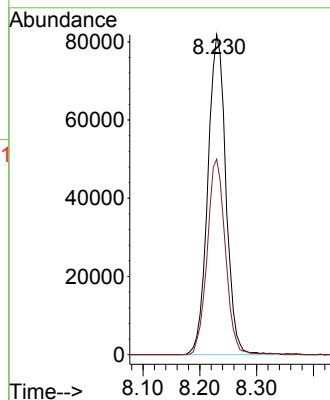


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :

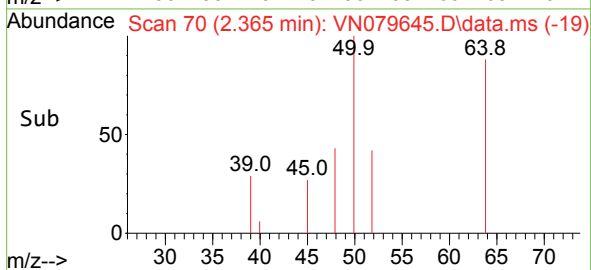
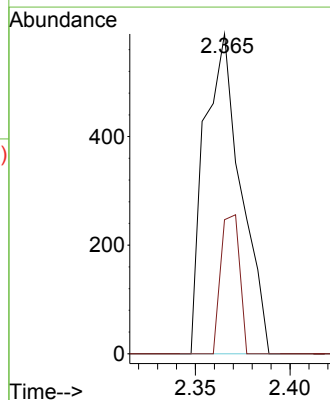
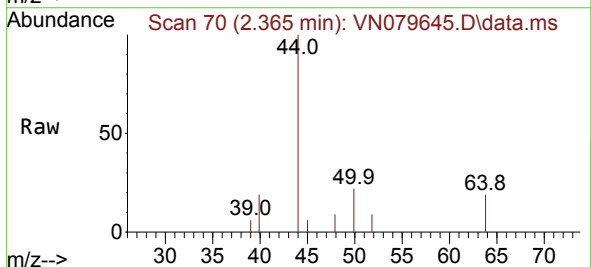


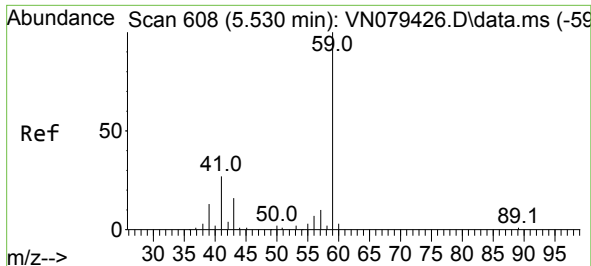
Tgt Ion:168 Resp: 180127
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 41.9 26.5 39.7#

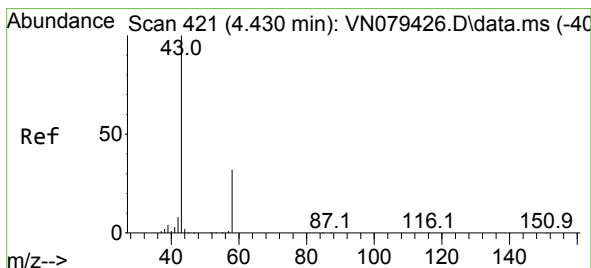
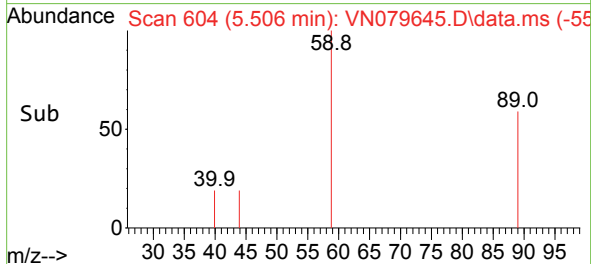
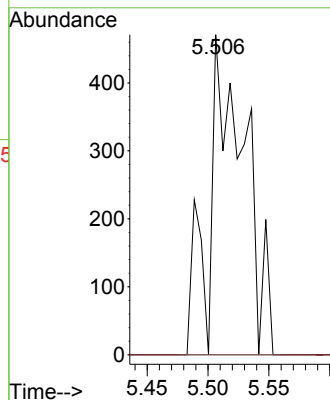
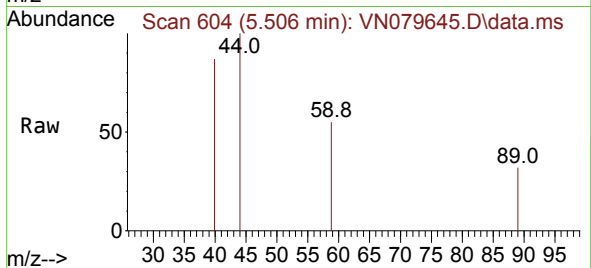




#11
Tert butyl alcohol
Concen: 2.188 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

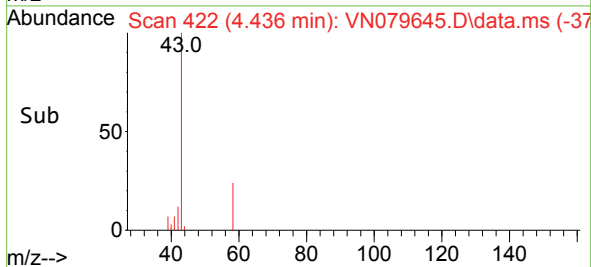
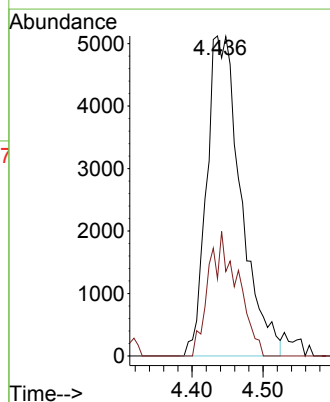
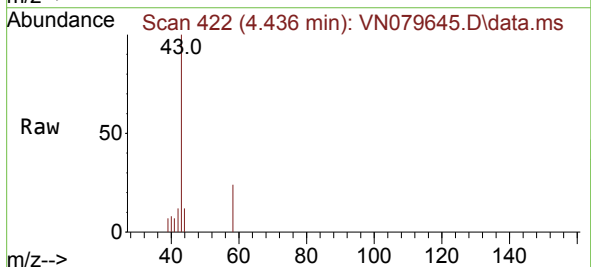
Instrument :
MSVOA_N
ClientSampleId :

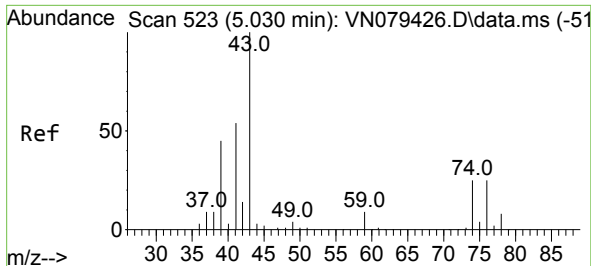
Tgt Ion: 59 Resp: 962
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 14.829 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 43 Resp: 17178
Ion Ratio Lower Upper
43 100
58 24.2 28.0 42.0#

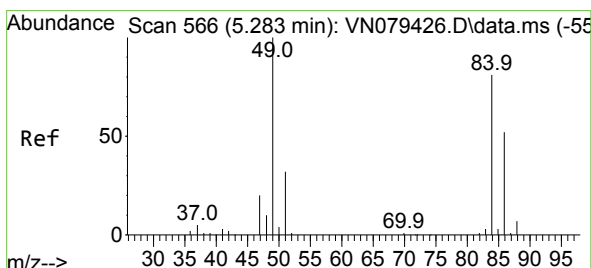
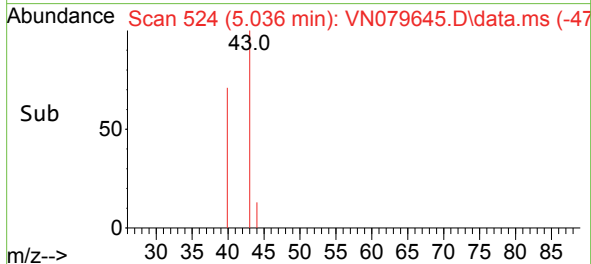
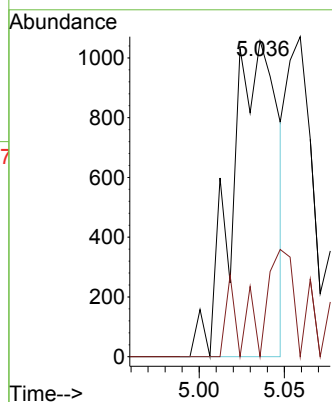
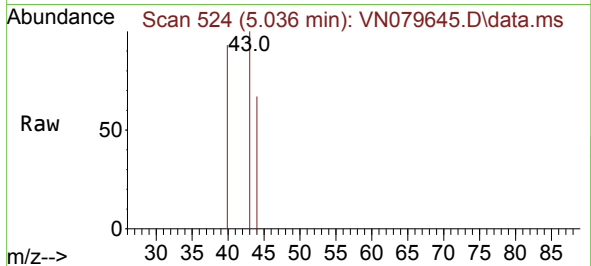




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

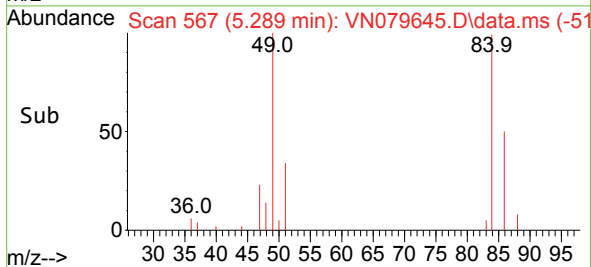
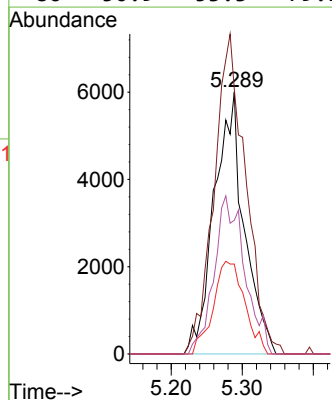
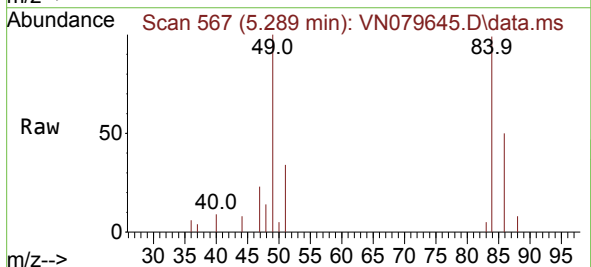
Instrument :
MSVOA_N
ClientSampleId :

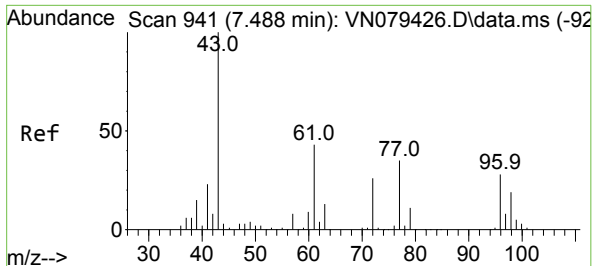
Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
74 29.4 26.2 39.4



#20
Methylene Chloride
Concen: 6.408 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 84 Resp: 17586
Ion Ratio Lower Upper
84 100
49 101.1 79.7 119.5
51 34.3 25.2 37.8
86 50.9 53.3 79.9#





#25

2-Butanone

Concen: 2.909 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

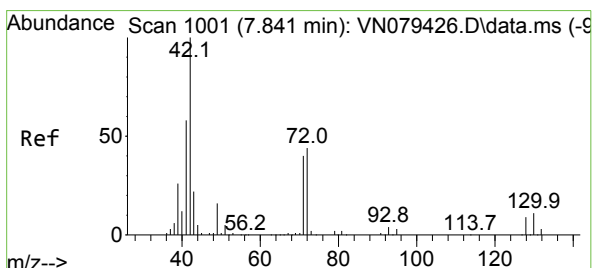
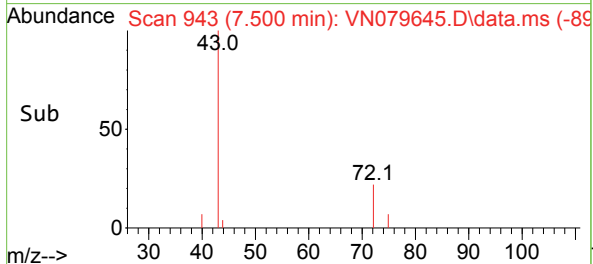
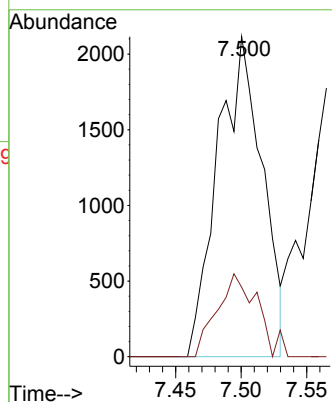
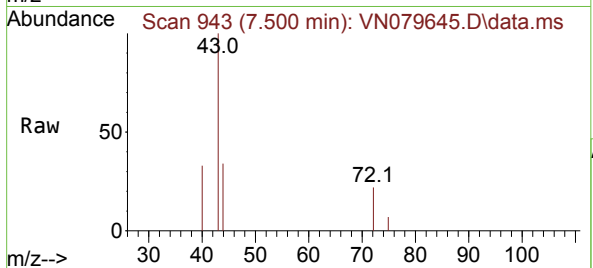
ClientSampleId :

Tgt Ion: 43 Resp: 5001

Ion Ratio Lower Upper

43 100

72 21.7 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

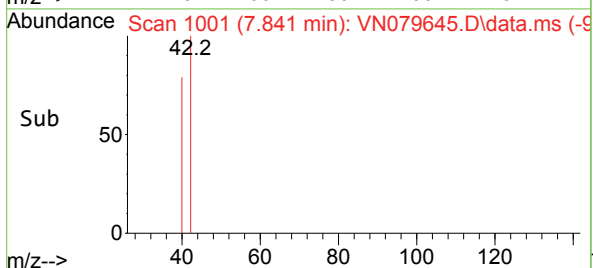
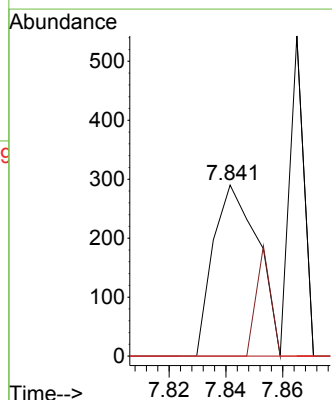
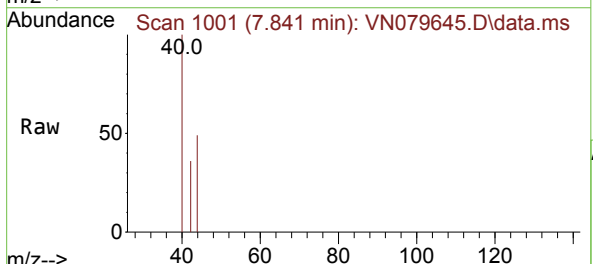
Tgt Ion: 42 Resp: 318

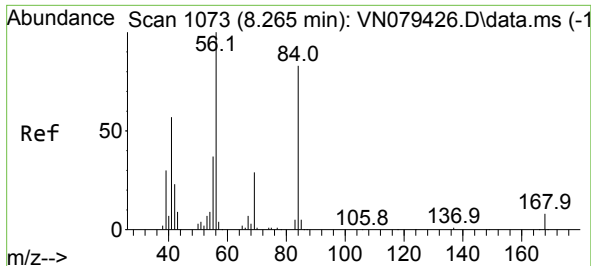
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

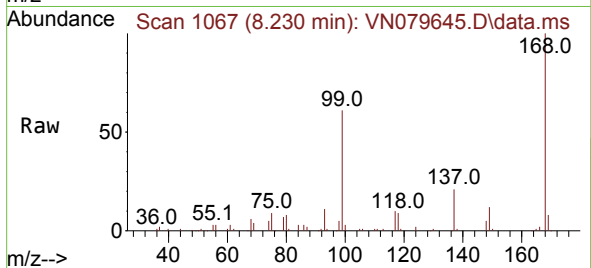
71 0.0 47.4 71.2#



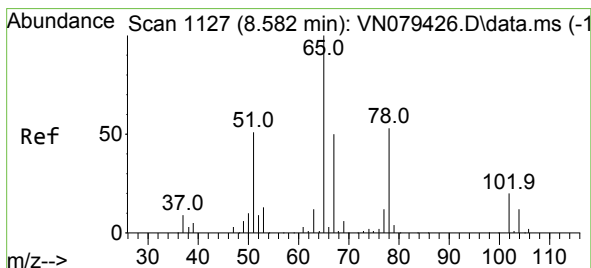
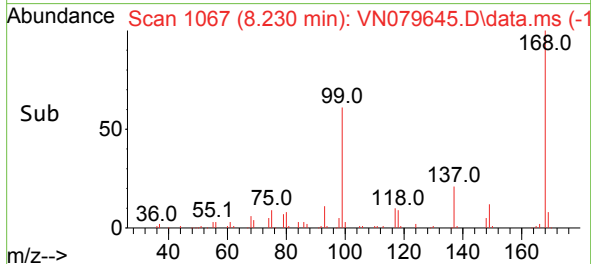
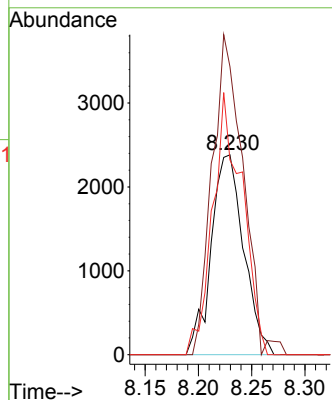


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :

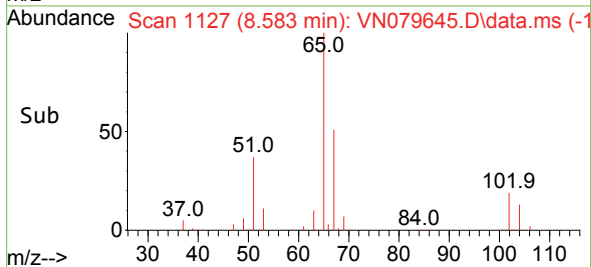
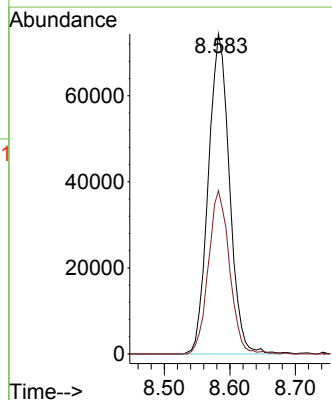
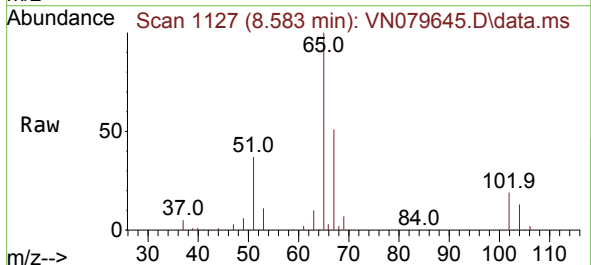


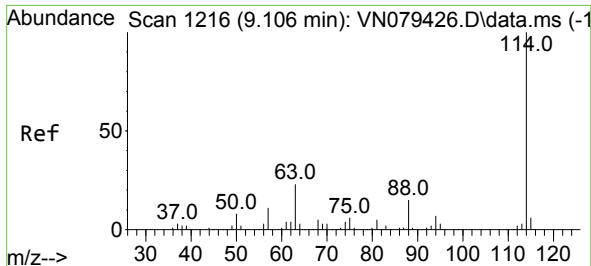
Tgt Ion: 56 Resp: 5056
Ion Ratio Lower Upper
56 100
69 144.2 26.8 40.2#
84 97.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 56.931 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 65 Resp: 166275
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :

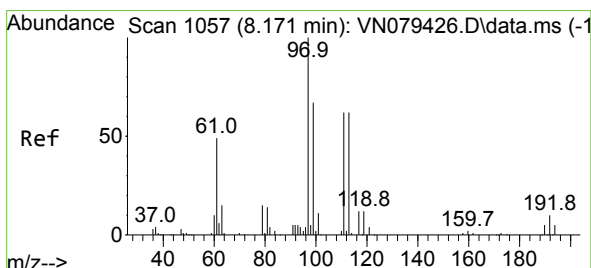
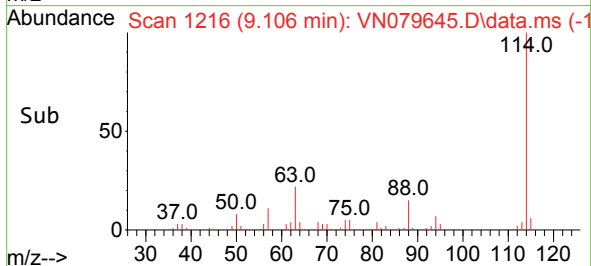
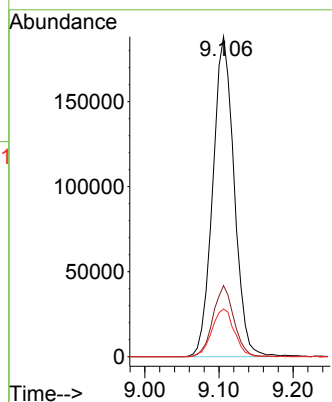
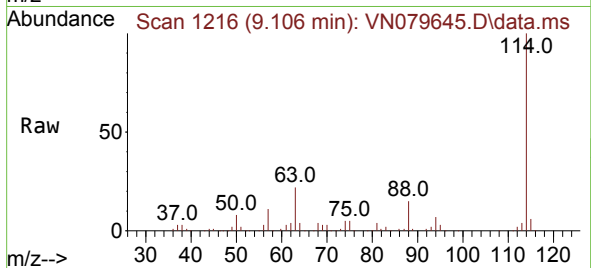
Tgt Ion:114 Resp: 376428

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.515 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

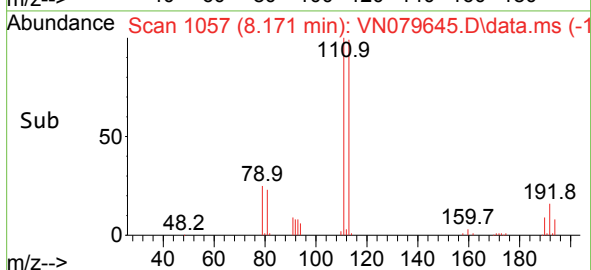
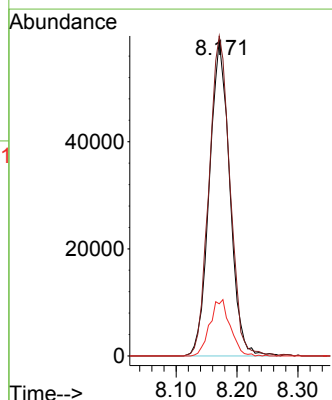
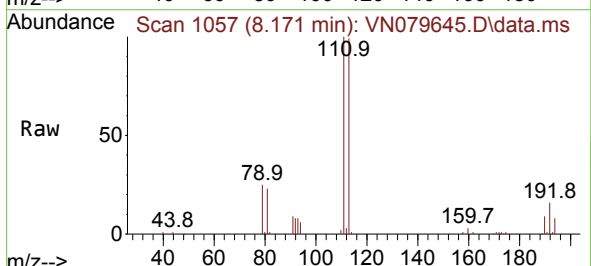
Tgt Ion:113 Resp: 136650

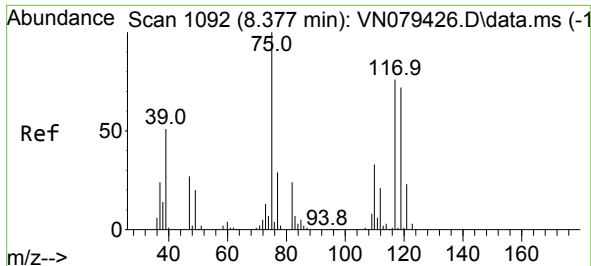
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

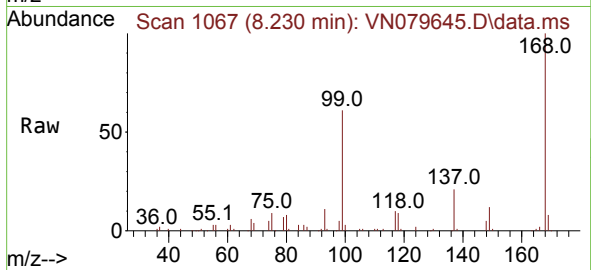
192 17.9 12.7 19.1



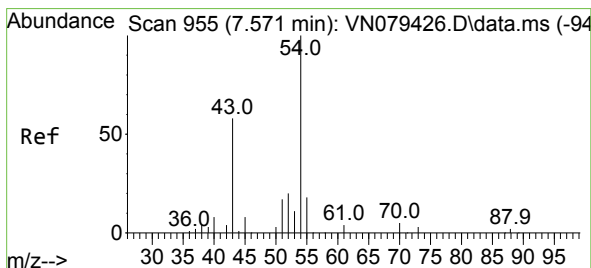
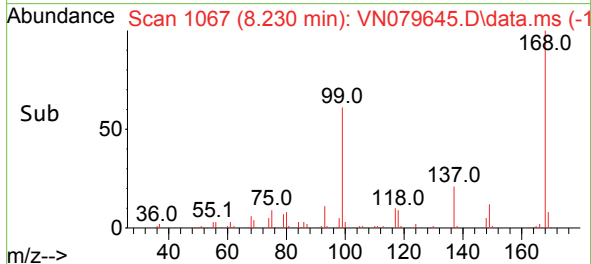
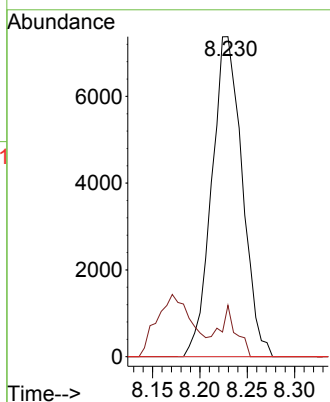


#36
1,1-Dichloropropene
Concen: 4.065 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :

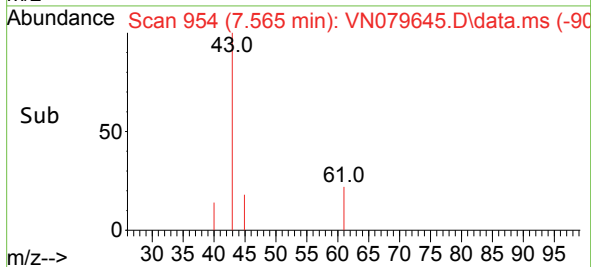
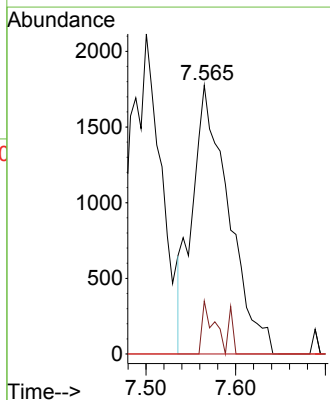
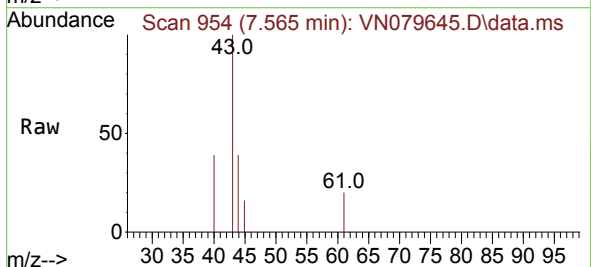


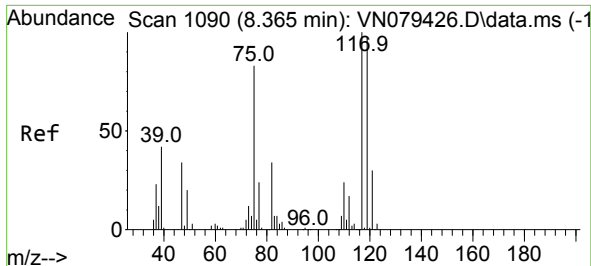
Tgt Ion: 75 Resp: 16503
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.246 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

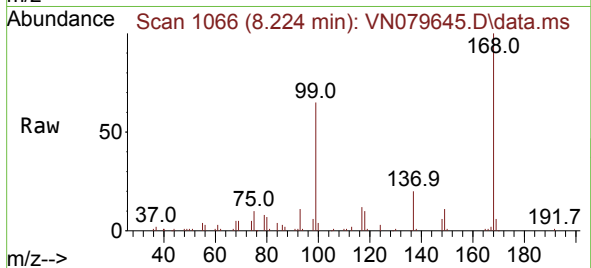
Tgt Ion: 43 Resp: 5035
Ion Ratio Lower Upper
43 100
61 6.3 13.2 19.8#
70 0.0 11.3 16.9#



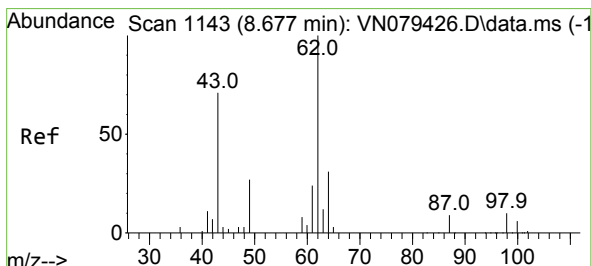
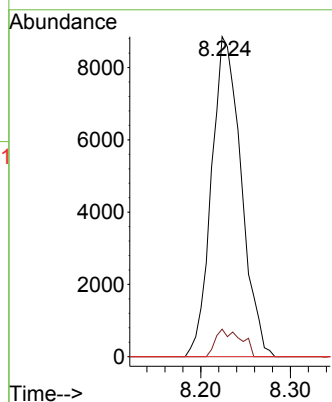
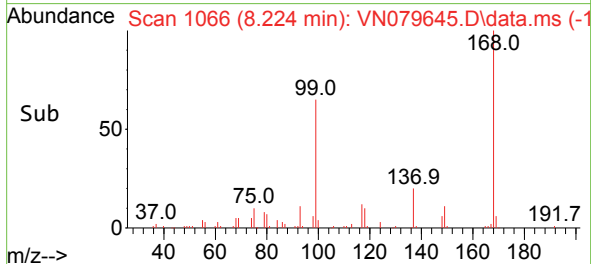


#38
Carbon Tetrachloride
Concen: 5.004 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :

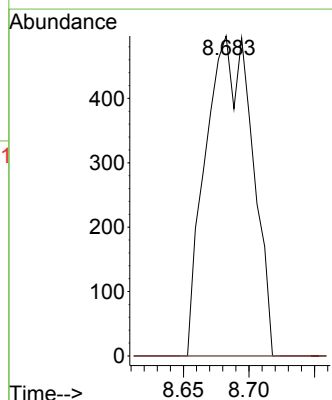
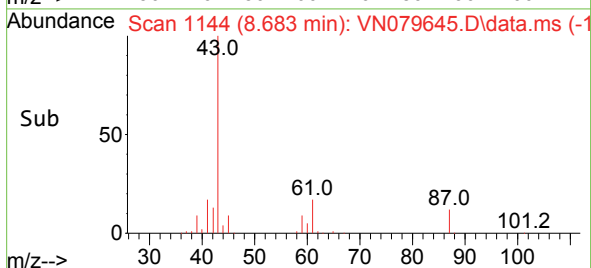
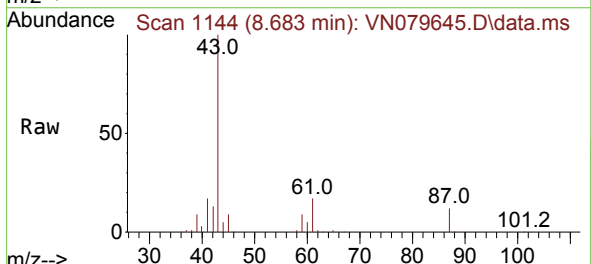


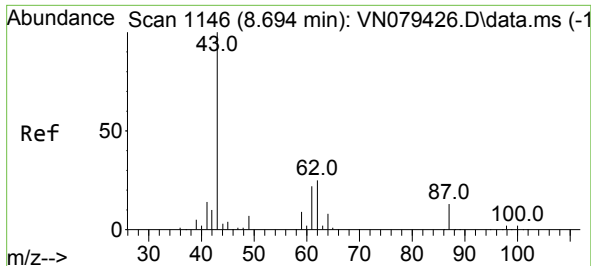
Tgt Ion:117 Resp: 20337
Ion Ratio Lower Upper
117 100
119 8.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.280 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 62 Resp: 1226
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

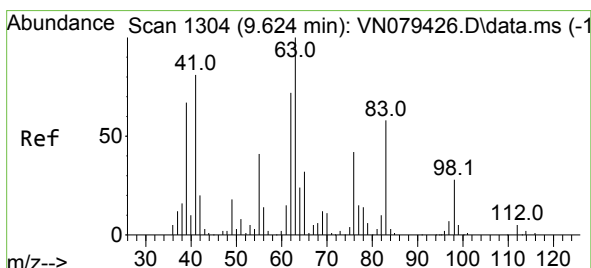
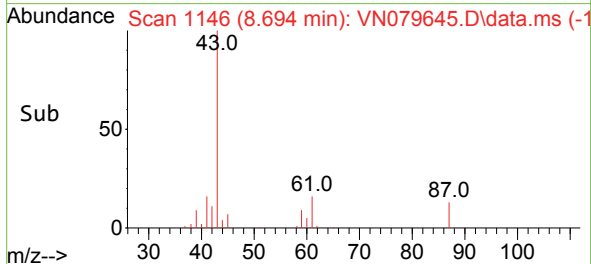
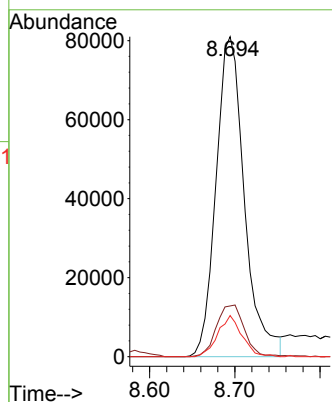
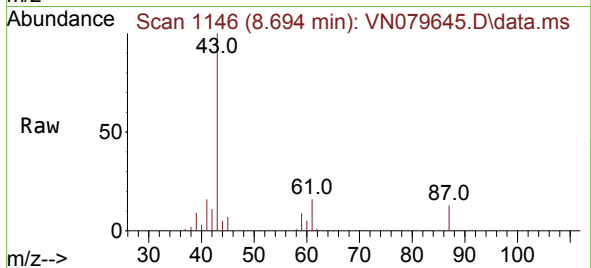




#43
Isopropyl Acetate
Concen: 26.457 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

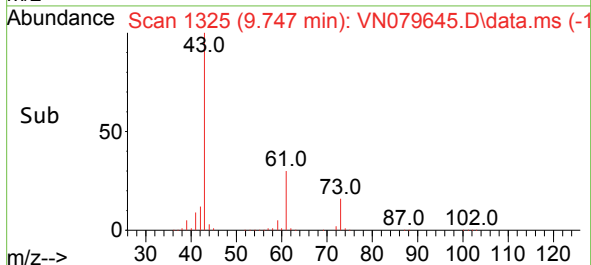
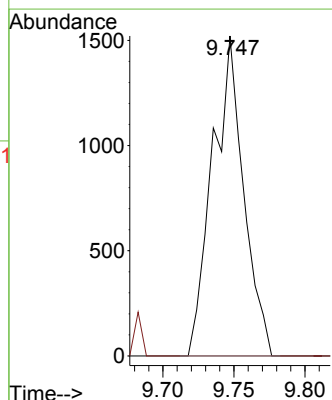
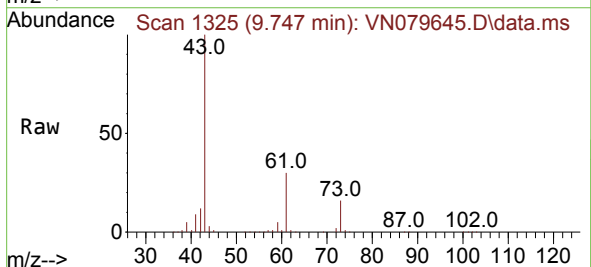
Instrument :
MSVOA_N
ClientSampleId :

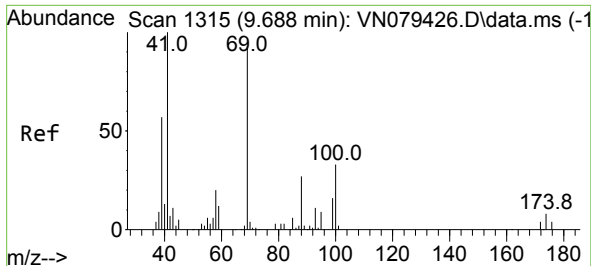
Tgt Ion: 43 Resp: 187255
Ion Ratio Lower Upper
43 100
61 16.1 24.7 37.1#
87 11.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.730 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 63 Resp: 2319
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

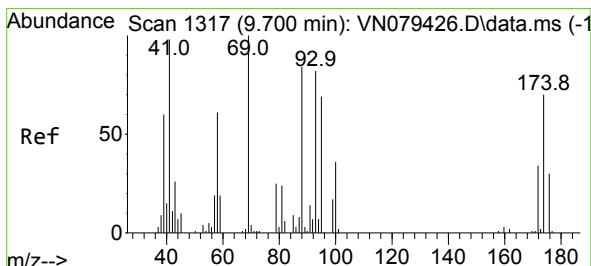
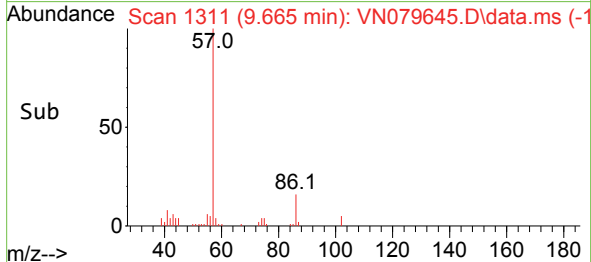
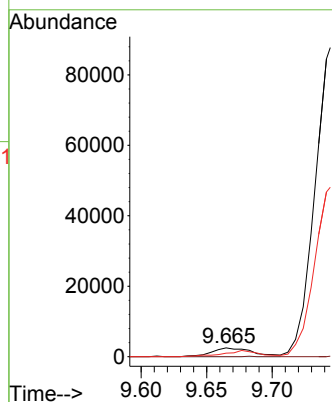
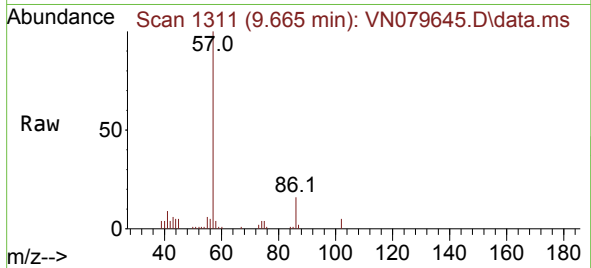




#48
Methyl methacrylate
Concen: 1.797 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

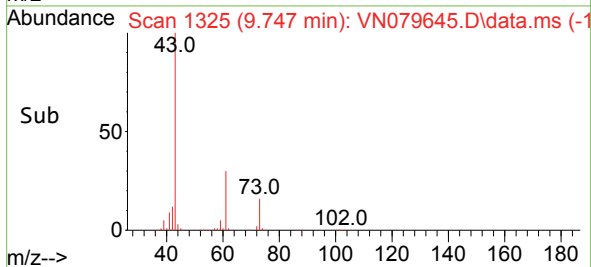
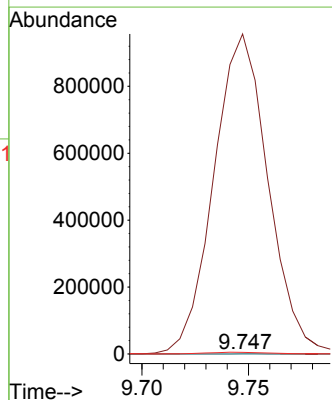
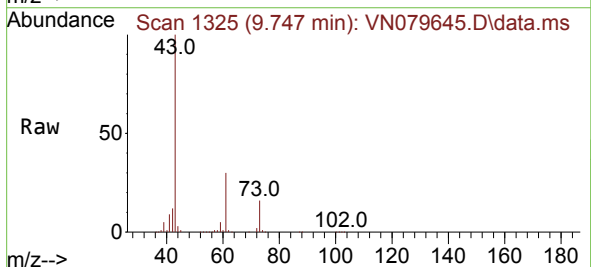
Instrument :
MSVOA_N
ClientSampleId :

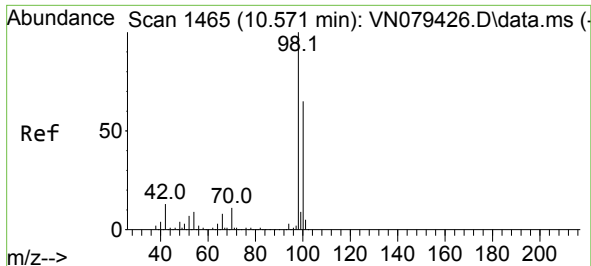
Tgt Ion: 41 Resp: 5451
Ion Ratio Lower Upper
41 100
69 1.0 90.4 135.6#
39 61.4 54.6 81.8



#49
1,4-Dioxane
Concen: 6.140 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 88 Resp: 343
Ion Ratio Lower Upper
88 100
43 500013.7 17.0 25.6#
58 3132.9 47.0 70.4#

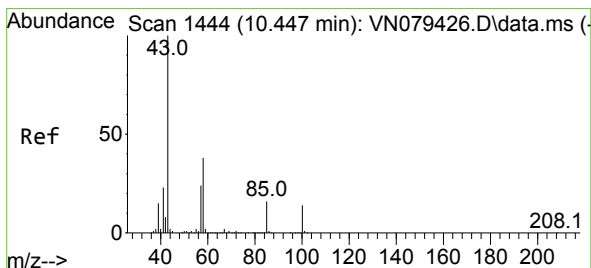
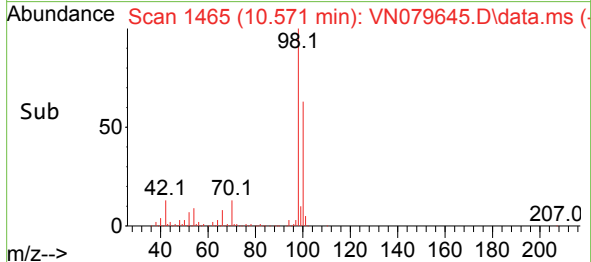
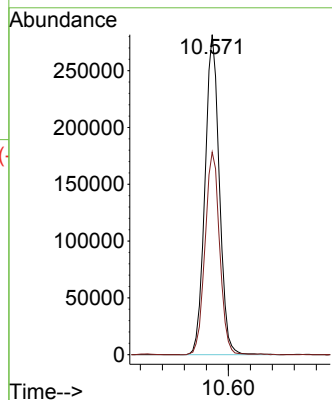
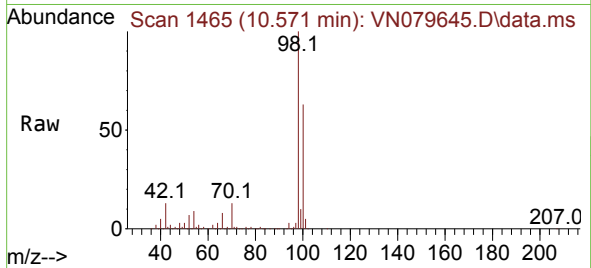




#50
Toluene-d8
Concen: 52.084 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

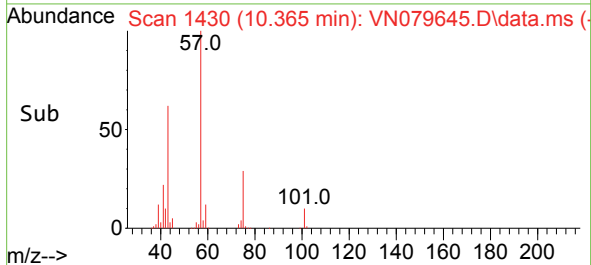
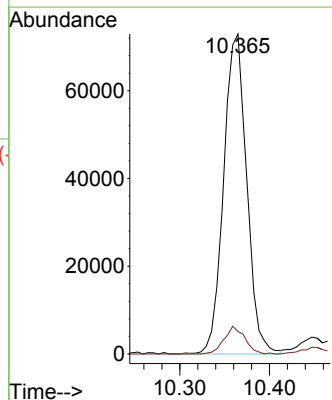
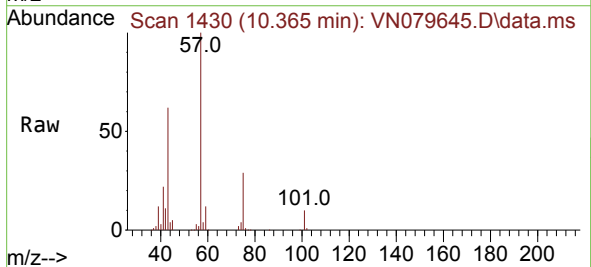
Instrument :
MSVOA_N
ClientSampleId :

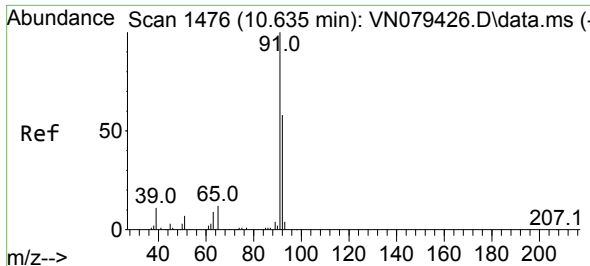
Tgt Ion: 98 Resp: 509798
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 32.585 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 43 Resp: 130191
Ion Ratio Lower Upper
43 100
58 7.7 36.6 54.8#

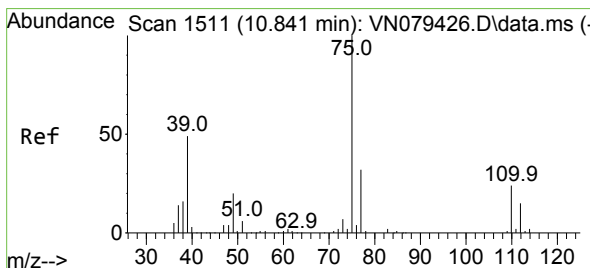
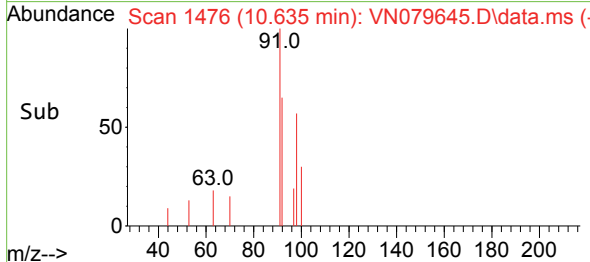
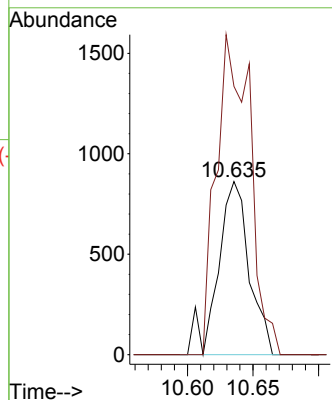
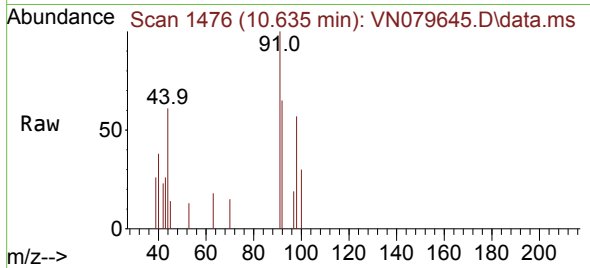




#52
Toluene
Concen: 0.201 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

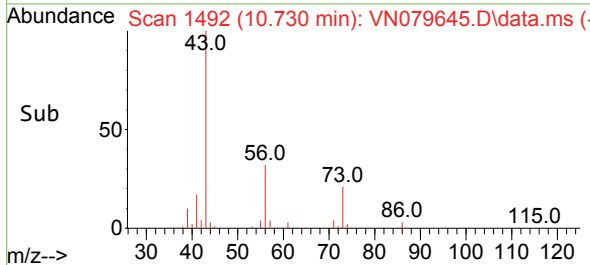
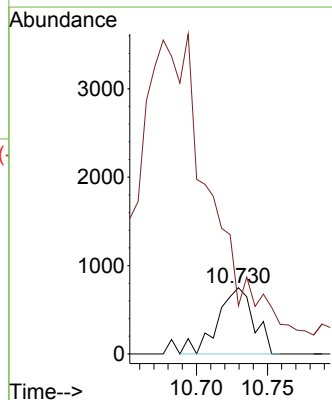
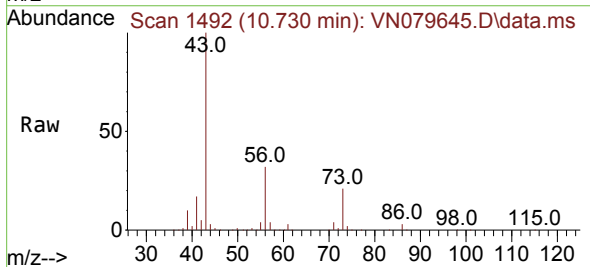
Instrument :
MSVOA_N
ClientSampleId :

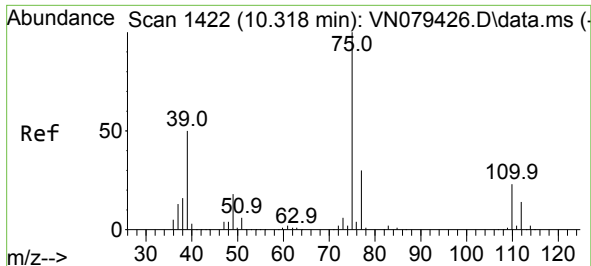
Tgt Ion: 92 Resp: 1428
Ion Ratio Lower Upper
92 100
91 200.4 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.311 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 75 Resp: 1328
Ion Ratio Lower Upper
75 100
77 28.0 25.4 38.0

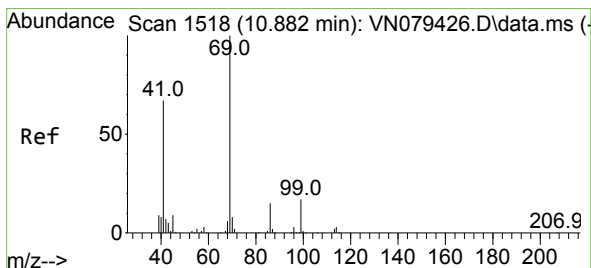
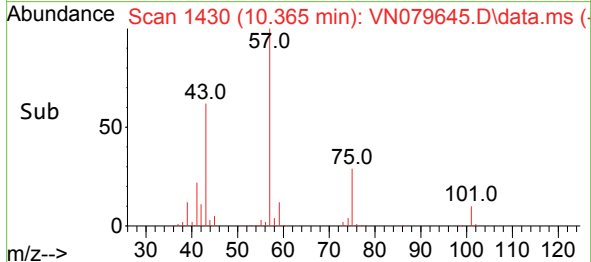
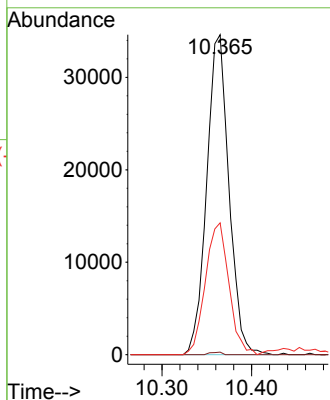
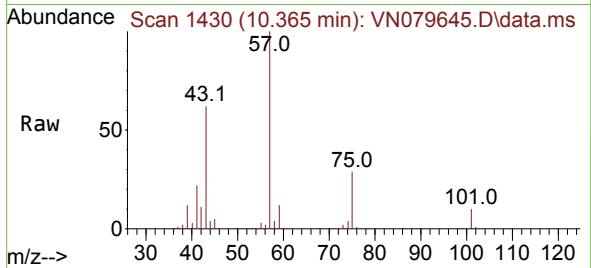




#54
 cis-1,3-Dichloropropene
 Concen: 12.763 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079645.D
 Acq: 23 Oct 2023 13:47

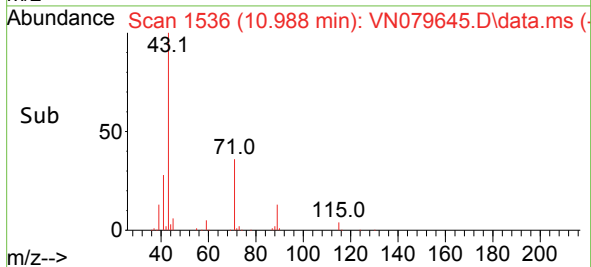
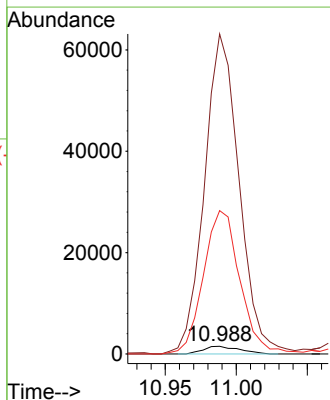
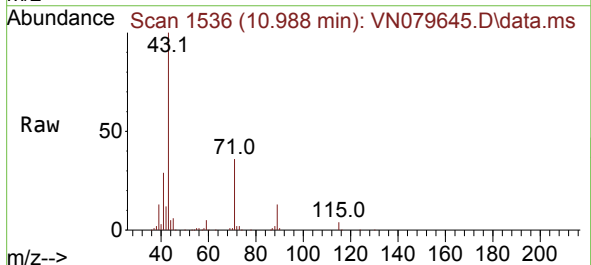
Instrument :
 MSVOA_N
 ClientSampleId :

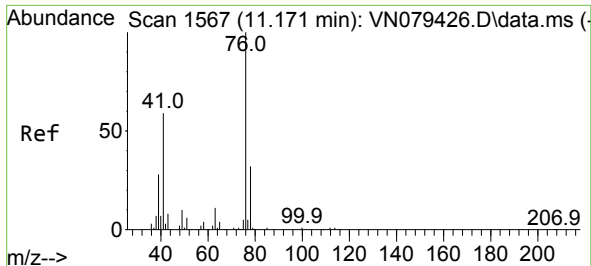
Tgt Ion: 75 Resp: 59594
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 41.2 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.684 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079645.D
 Acq: 23 Oct 2023 13:47

Tgt Ion: 69 Resp: 2677
 Ion Ratio Lower Upper
 69 100
 41 4010.3 39.6 59.4#
 39 1888.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.749 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

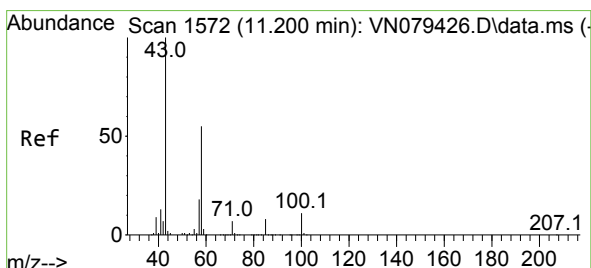
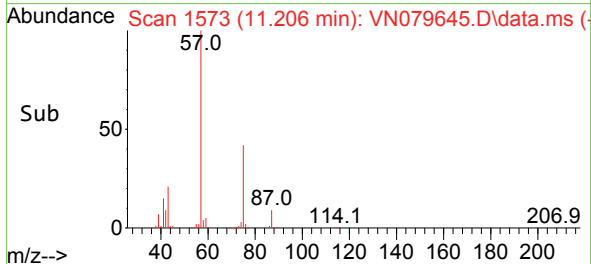
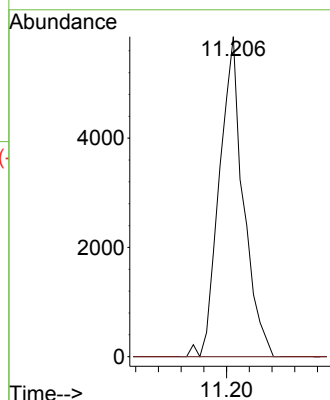
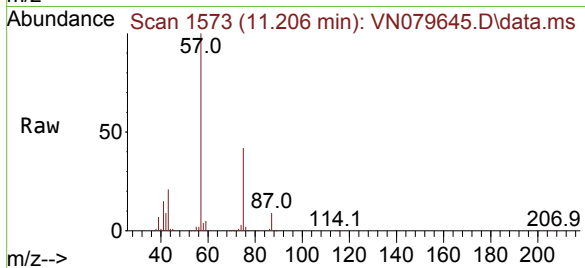
ClientSampleId :

Tgt Ion: 76 Resp: 8604

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 49.372 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN079645.D

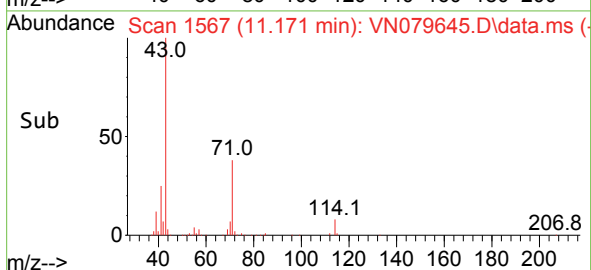
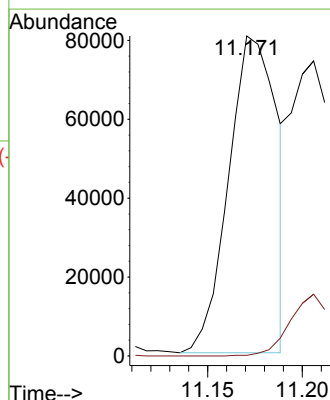
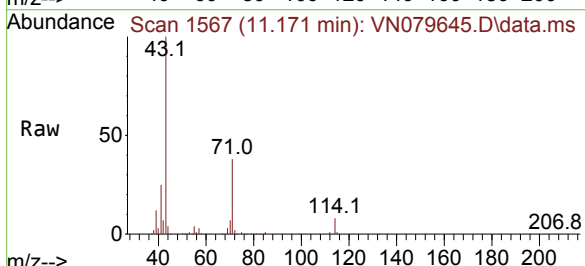
Acq: 23 Oct 2023 13:47

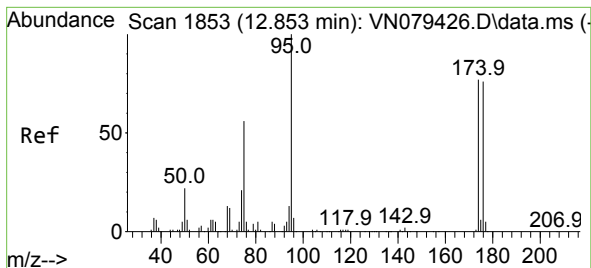
Tgt Ion: 43 Resp: 142345

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

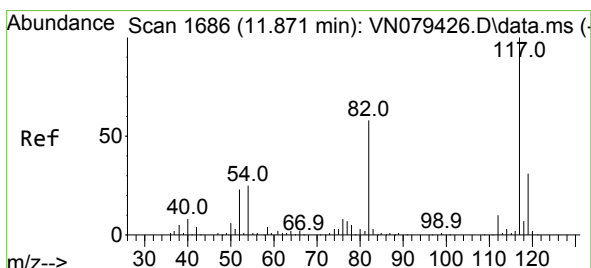
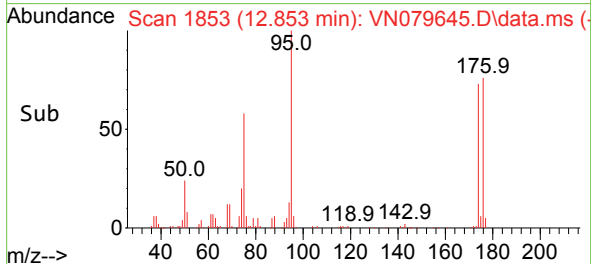
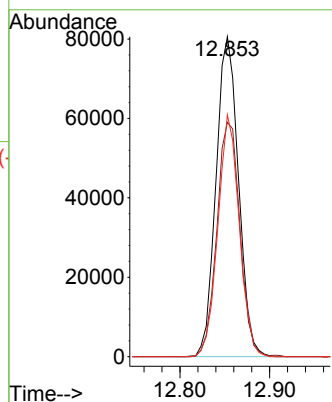
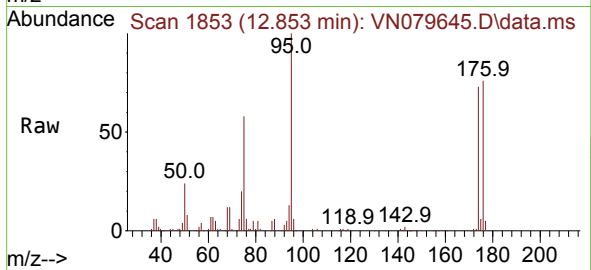




#62
4-Bromofluorobenzene
Concen: 44.463 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

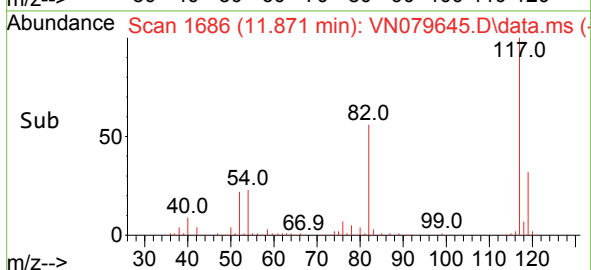
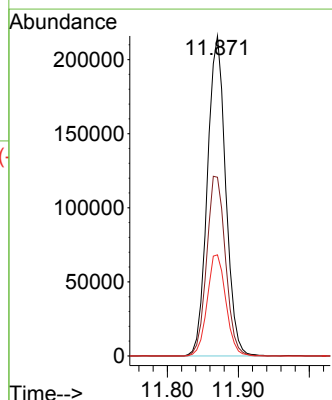
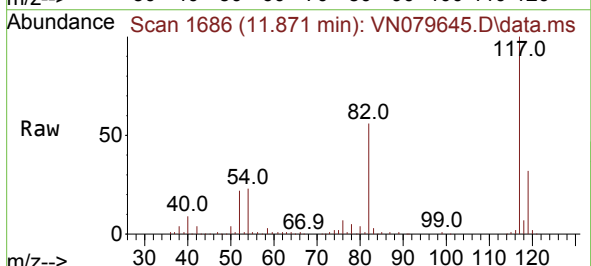
Instrument :
MSVOA_N
ClientSampleId :

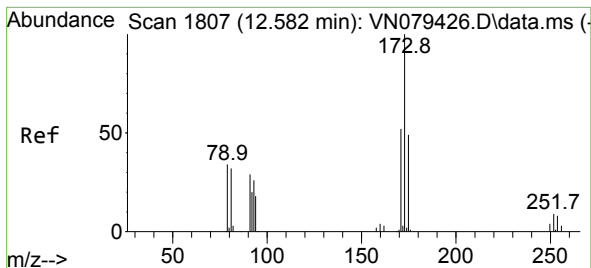
Tgt Ion: 95 Resp: 139667
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 71.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079645.D
Acq: 23 Oct 2023 13:47

Tgt Ion: 117 Resp: 386605
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.540 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

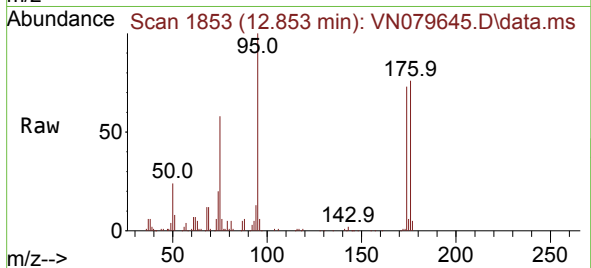
Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :



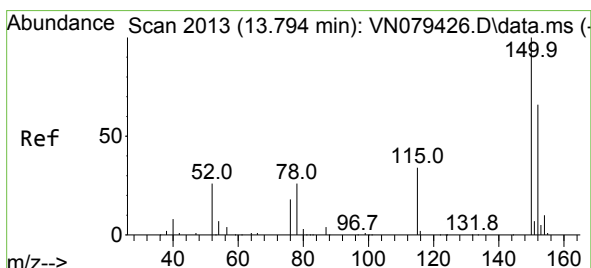
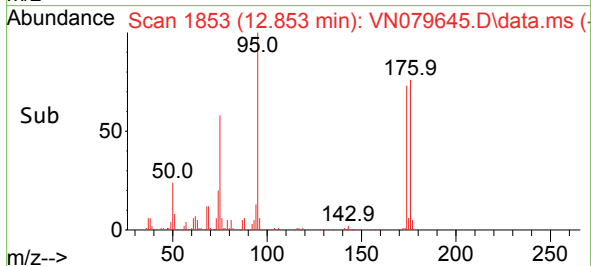
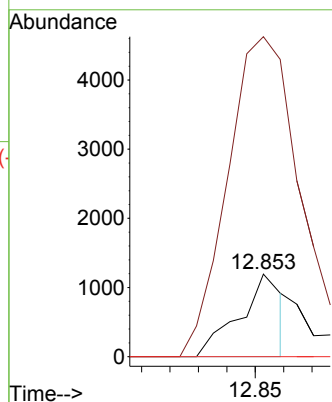
Tgt Ion:173 Resp: 1246

Ion Ratio Lower Upper

173 100

175 507.5 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: VN079645.D

Acq: 23 Oct 2023 13:47

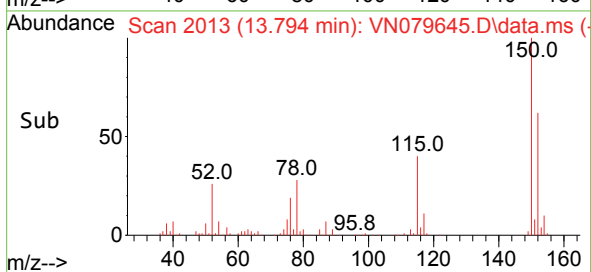
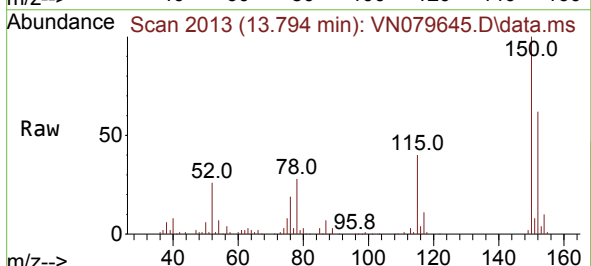
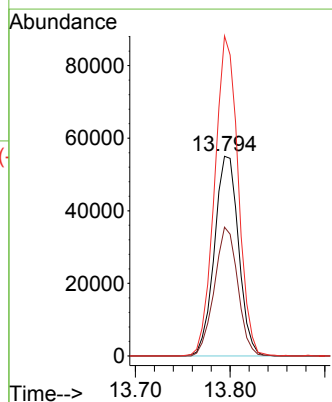
Tgt Ion:152 Resp: 97534

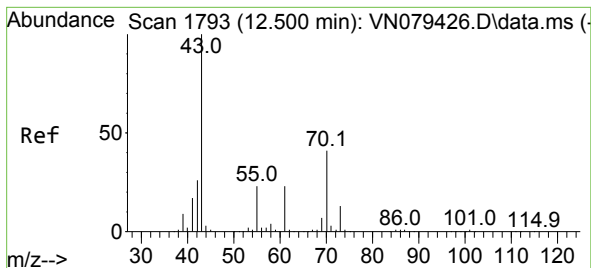
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 155.7 0.0 355.8





#74

N-amy1 acetate

Concen: 0.583 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

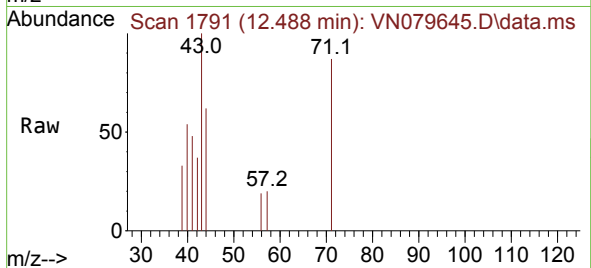
Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2167

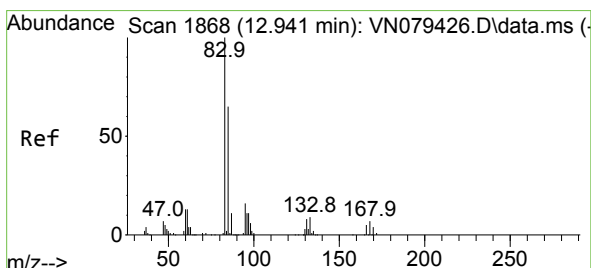
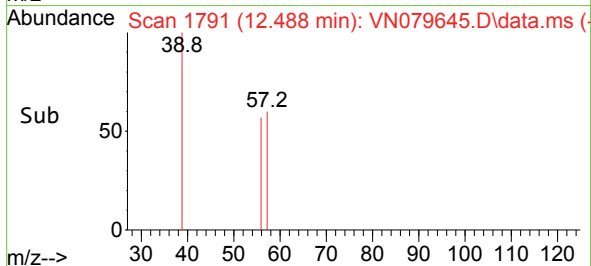
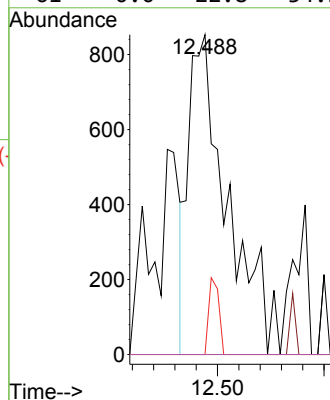
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 6.2 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.841 min Scan# 1851

Delta R.T. -0.100 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

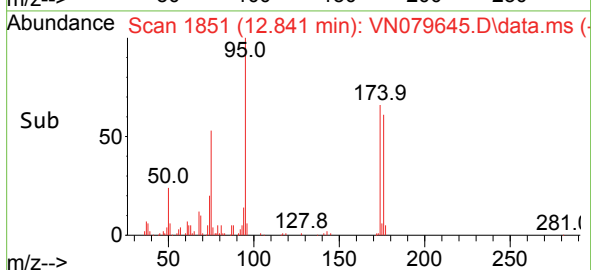
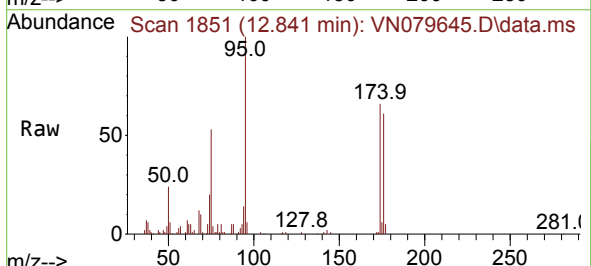
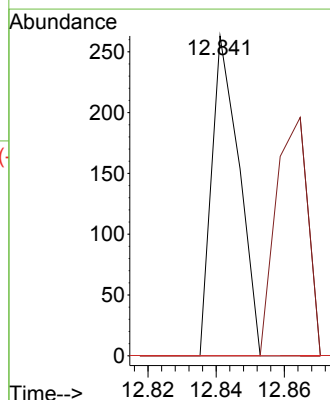
Tgt Ion: 83 Resp: 147

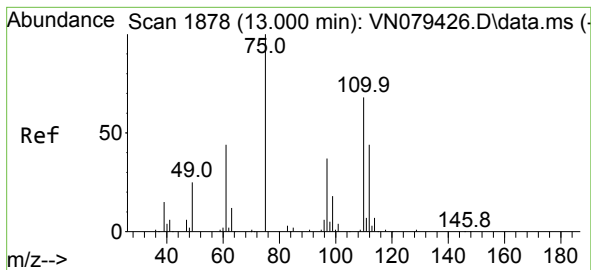
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 27.779 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Instrument :

MSVOA_N

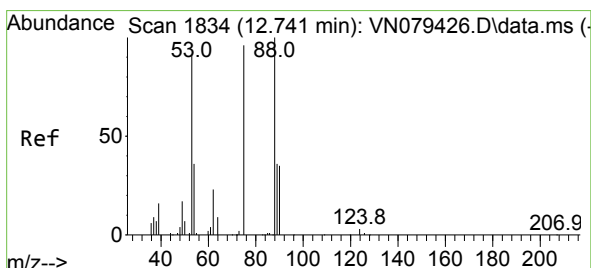
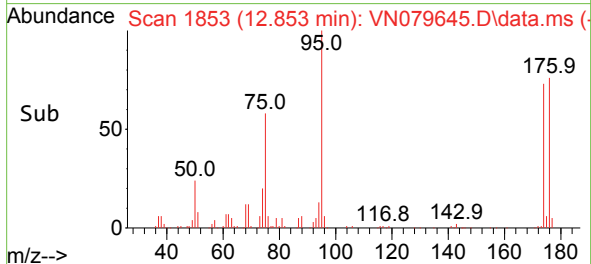
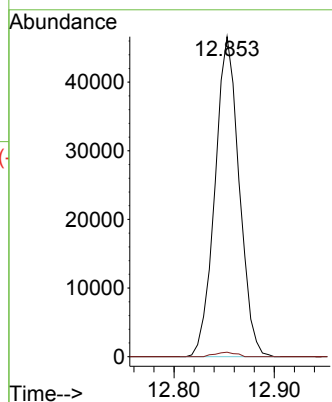
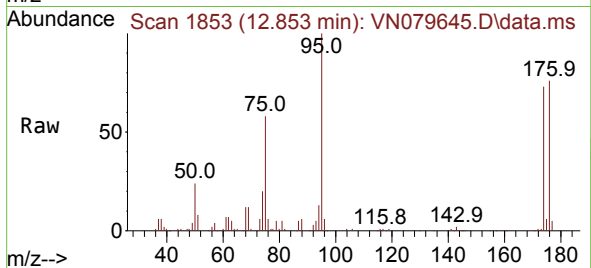
ClientSampleId :

Tgt Ion: 75 Resp: 78118

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.601 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079645.D

Acq: 23 Oct 2023 13:47

Tgt Ion: 75 Resp: 78118

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

