

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
 Data File : VN078909.D
 Acq On : 16 Aug 2023 17:42
 Operator : JC\MD
 Sample : 04022-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-24

Quant Time: Aug 17 01:19:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

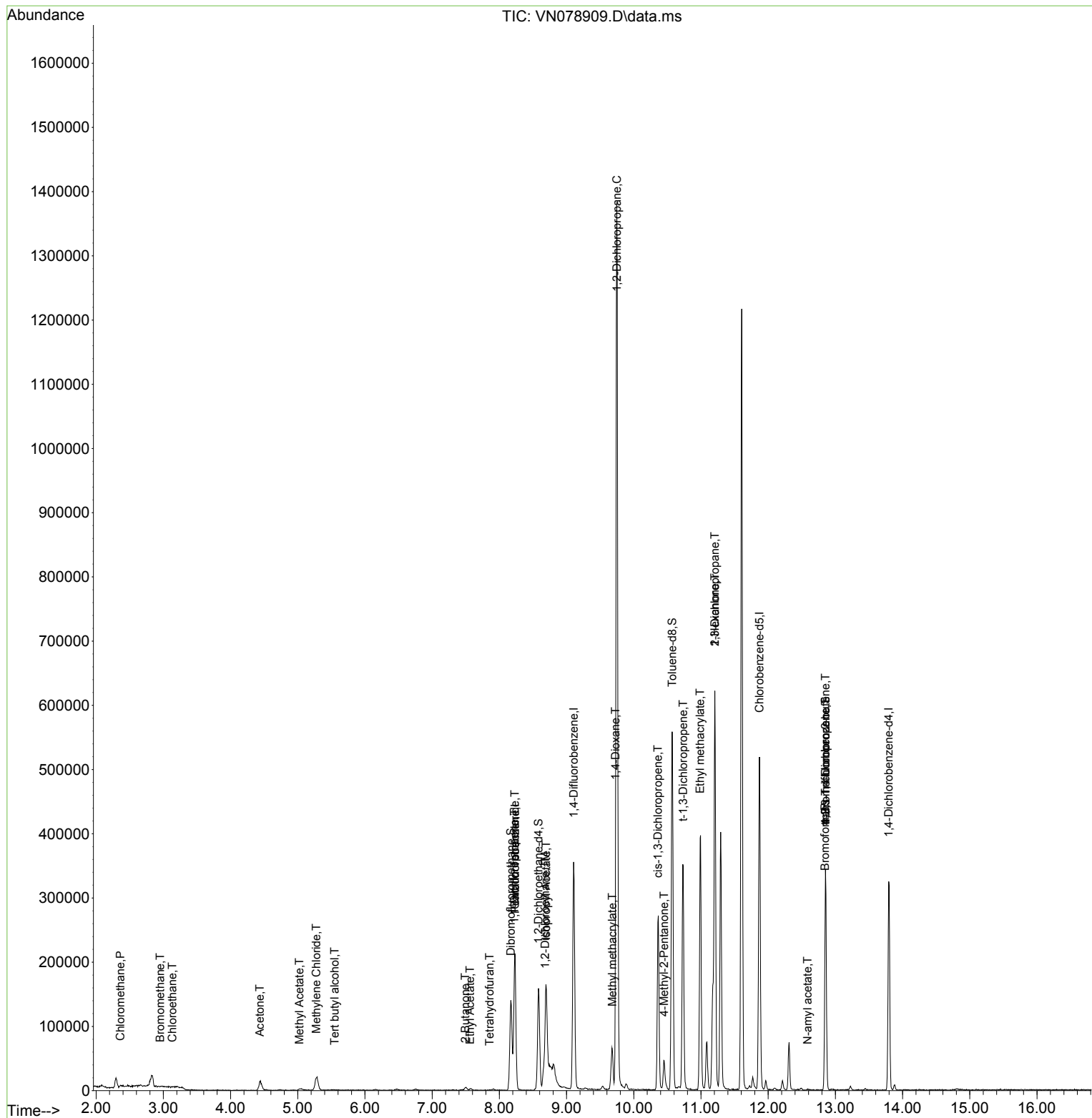
Internal Standards						
1) Pentafluorobenzene	8.236	168	144274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	277102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124546	55.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.960%			
35) Dibromofluoromethane	8.171	113	99543	51.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	10.571	98	374297	51.715	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.853	95	108058	45.677	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.360%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1575	0.564	ug/l #	84
5) Bromomethane	2.954	94	284	0.202	ug/l #	57
6) Chloroethane	3.136	64	1611	0.940	ug/l #	43
11) Tert butyl alcohol	5.547	59	88	0.234	ug/l #	72
16) Acetone	4.436	43	26619	28.736	ug/l	94
18) Methyl Acetate	5.024	43	5957	1.522	ug/l #	42
20) Methylene Chloride	5.277	84	15302	7.751	ug/l #	86
25) 2-Butanone	7.494	43	7789	5.245	ug/l #	74
29) Tetrahydrofuran	7.853	42	375	0.381	ug/l #	20
31) Cyclohexane	8.230	56	4543	Below Cal	#	60
36) 1,1-Dichloropropene	8.224	75	13915	4.746	ug/l #	48
37) Ethyl Acetate	7.565	43	4054	1.236	ug/l #	71
38) Carbon Tetrachloride	8.230	117	16058	5.466	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	808	0.250	ug/l #	73
43) Isopropyl Acetate	8.694	43	246515	42.513	ug/l #	68
45) 1,2-Dichloropropane	9.747	63	1955	0.847	ug/l #	45
48) Methyl methacrylate	9.682	41	4725	1.798	ug/l #	33
49) 1,4-Dioxane	9.730	88	68	1.519	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	37123	10.794	ug/l #	74
53) t-1,3-Dichloropropene	10.735	75	839	0.250	ug/l #	40
54) cis-1,3-Dichloropropene	10.359	75	45197	12.382	ug/l #	70
56) Ethyl methacrylate	10.988	69	1706	0.516	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5902	1.547	ug/l #	42
59) 2-Hexanone	11.206	43	82305	33.042	ug/l #	45
71) Bromoform	12.847	173	745	0.460	ug/l #	1
74) N-amyl acetate	12.588	43	1014	0.291	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	61366	30.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61366	78.650	ug/l #	15

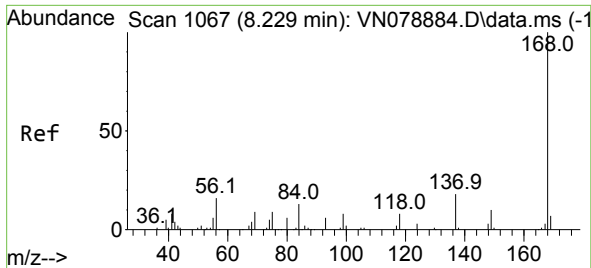
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081623\
Data File : VN078909.D
Acq On : 16 Aug 2023 17:42
Operator : JC\MD
Sample : 04022-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-24

Quant Time: Aug 17 01:19:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

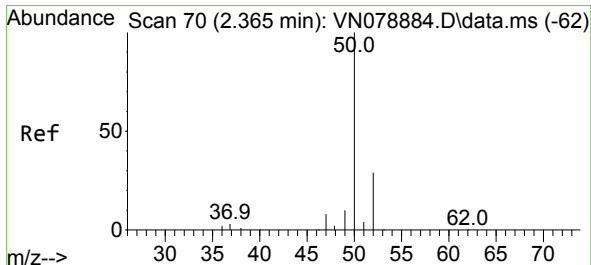
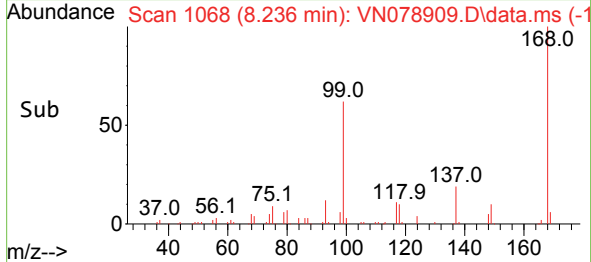
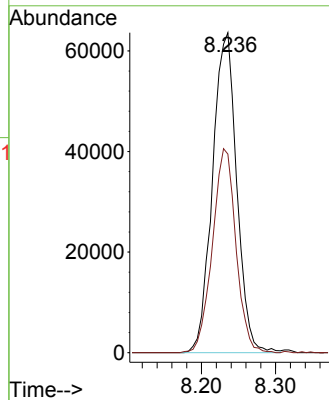
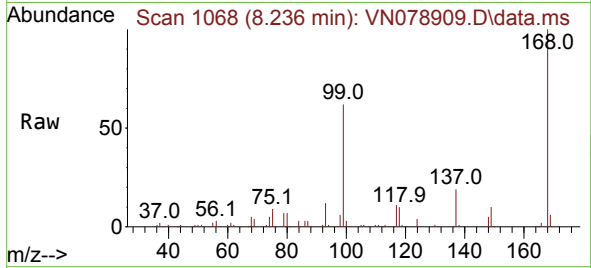




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

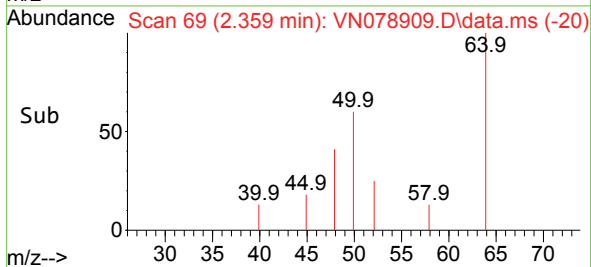
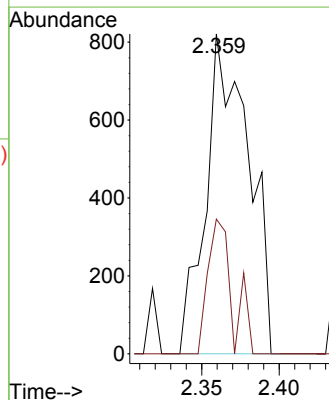
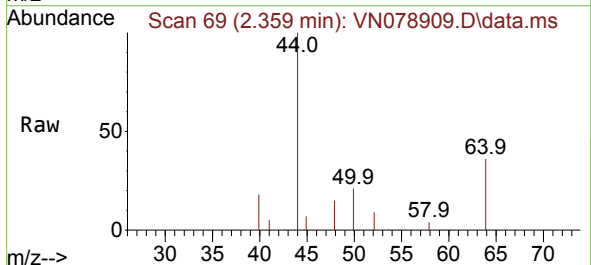
Instrument :
MSVOA_N
ClientSampleId :
TP-24

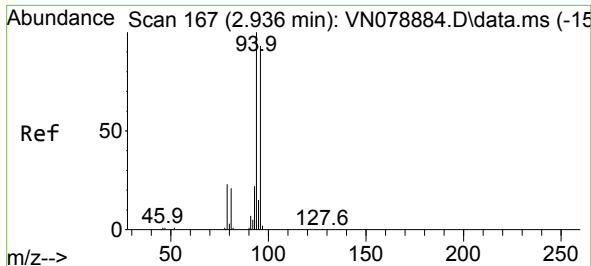
Tgt Ion:168 Resp: 144274
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: 0.564 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 50 Resp: 1575
Ion Ratio Lower Upper
50 100
52 42.1 26.5 39.7#

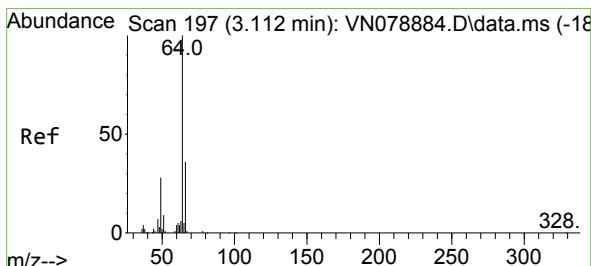
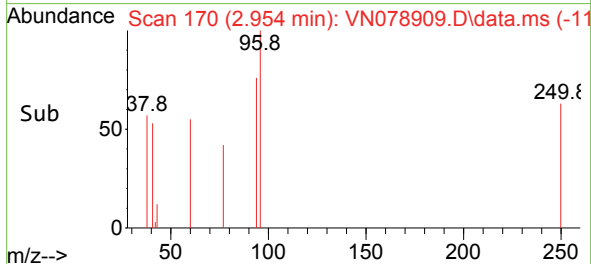
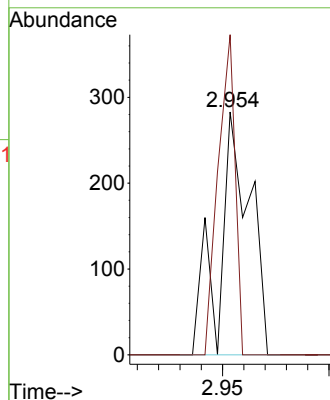
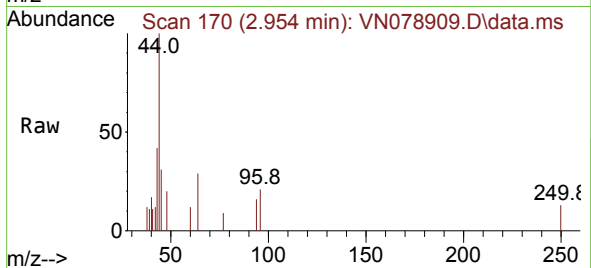




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

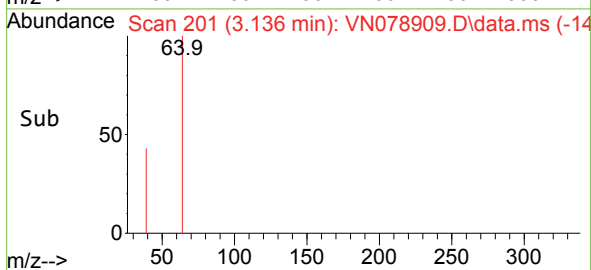
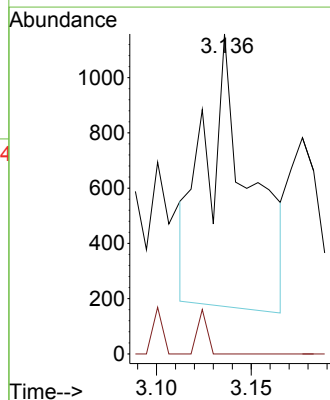
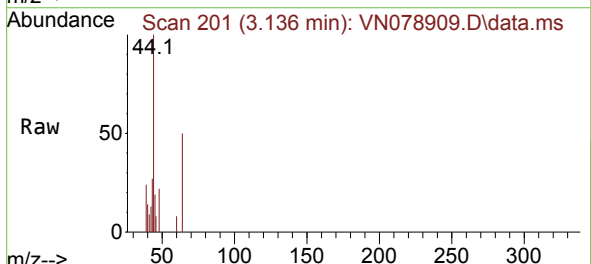
Instrument :
MSVOA_N
ClientSampleId :
TP-24

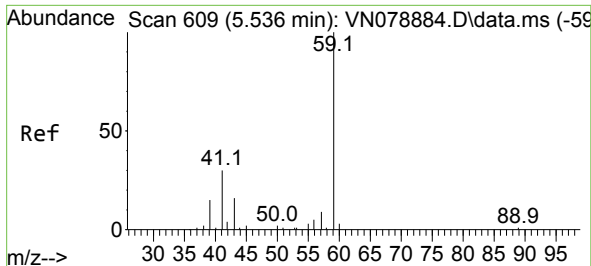
Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 131.8 73.1 109.7#



#6
Chloroethane
Concen: 0.940 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 64 Resp: 1611
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

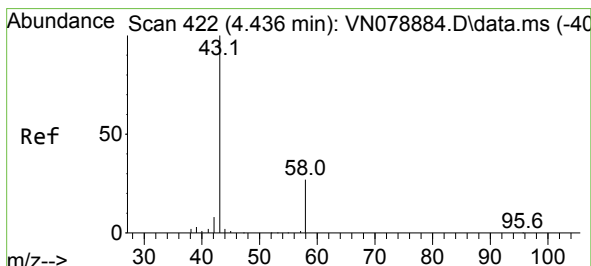
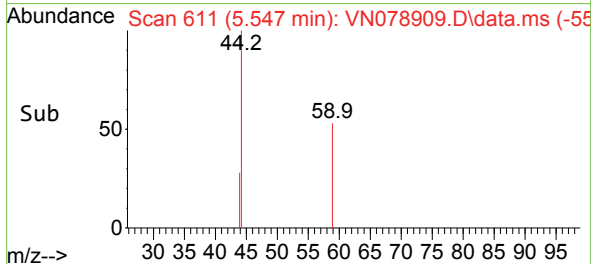
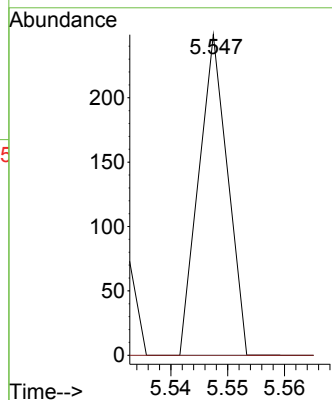
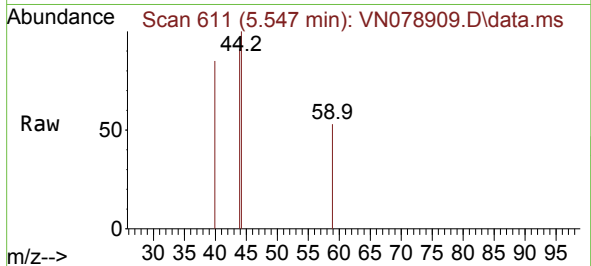




#11
Tert butyl alcohol
Concen: 0.234 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.005 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

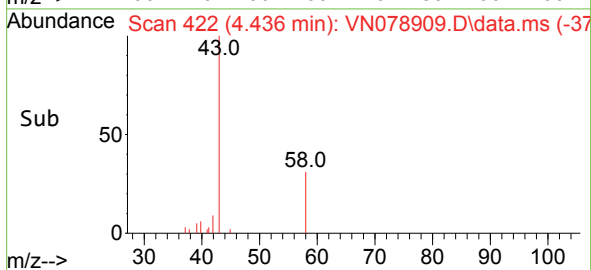
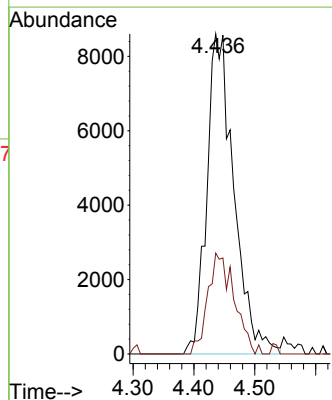
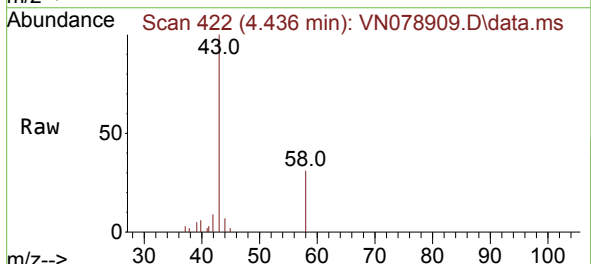
Instrument :
MSVOA_N
ClientSampleId :
TP-24

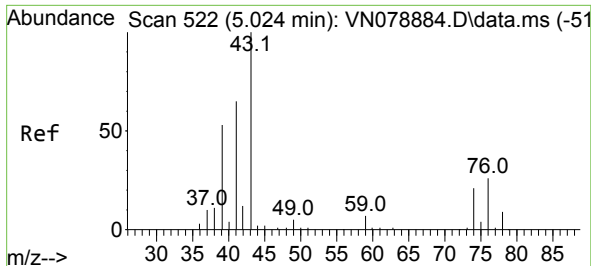
Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 28.736 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 43 Resp: 26619
Ion Ratio Lower Upper
43 100
58 31.5 28.0 42.0

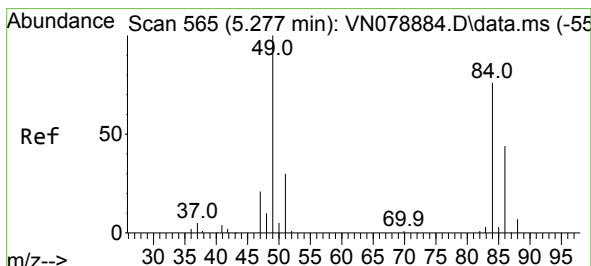
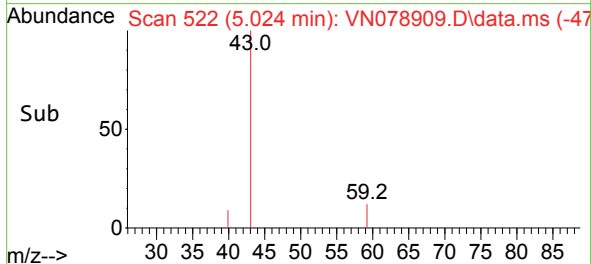
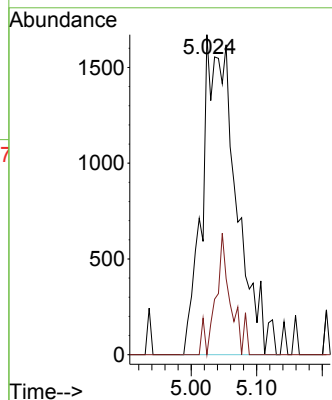
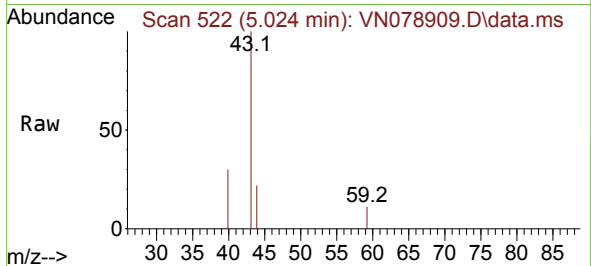




#18
Methyl Acetate
Concen: 1.522 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

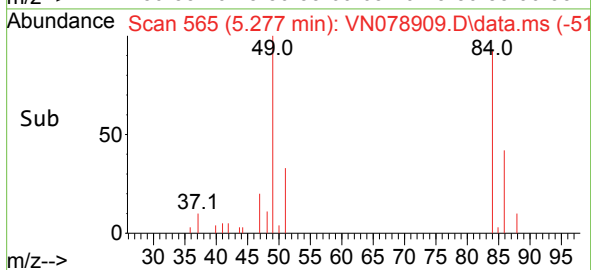
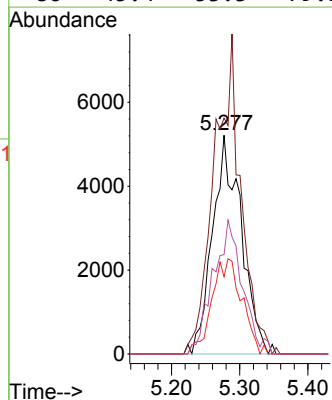
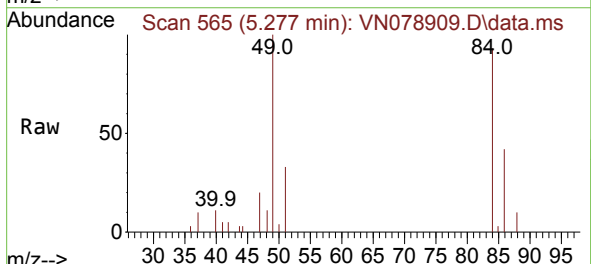
Instrument :
MSVOA_N
ClientSampleId :
TP-24

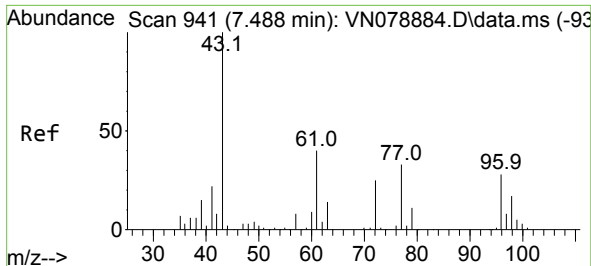
Tgt Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 7.751 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 84 Resp: 15302
Ion Ratio Lower Upper
84 100
49 107.9 79.7 119.5
51 35.3 25.2 37.8
86 45.4 53.3 79.9#





#25

2-Butanone

Concen: 5.245 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Instrument :

MSVOA_N

ClientSampleId :

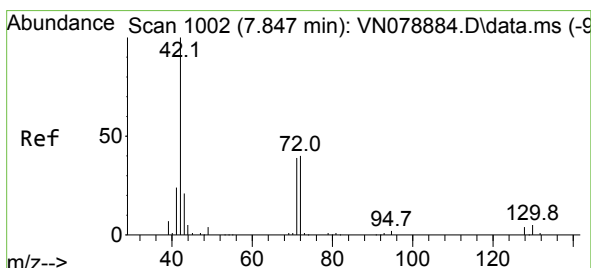
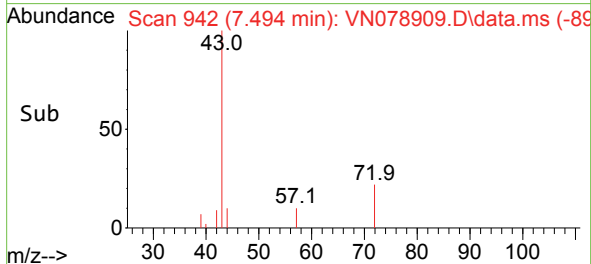
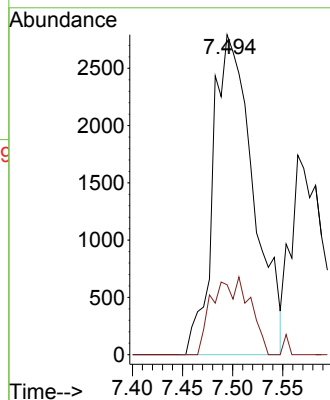
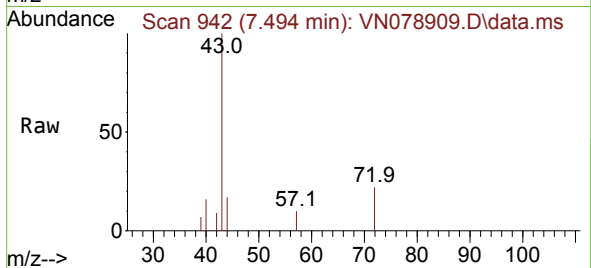
TP-24

Tgt Ion: 43 Resp: 7789

Ion Ratio Lower Upper

43 100

72 21.8 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.381 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

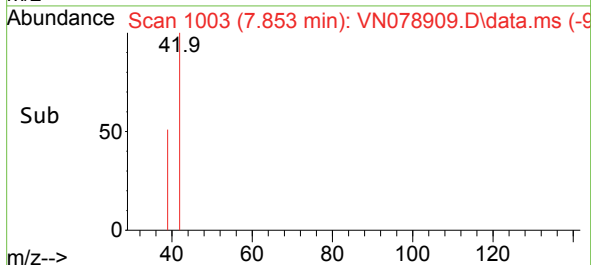
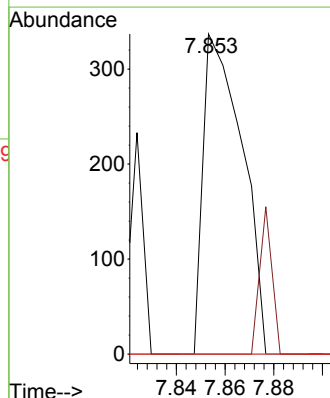
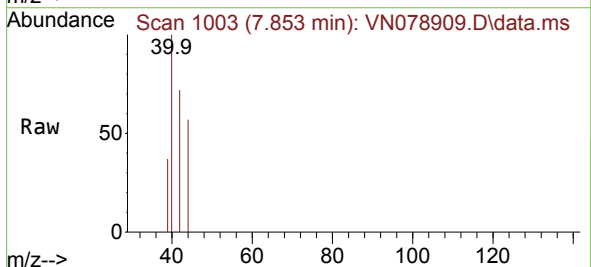
Tgt Ion: 42 Resp: 375

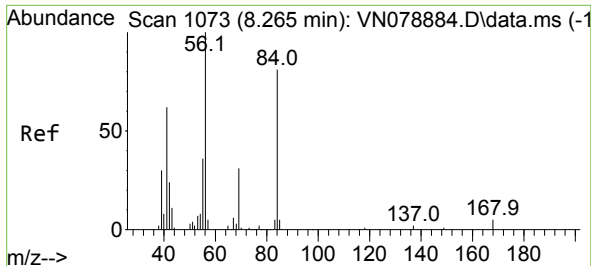
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

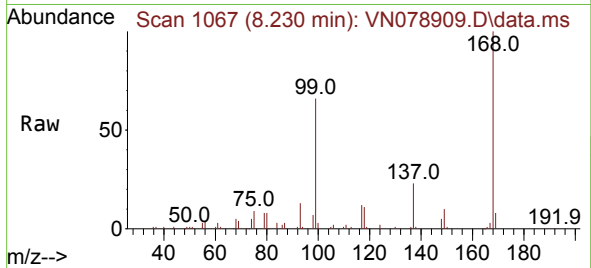
71 0.0 47.4 71.2#



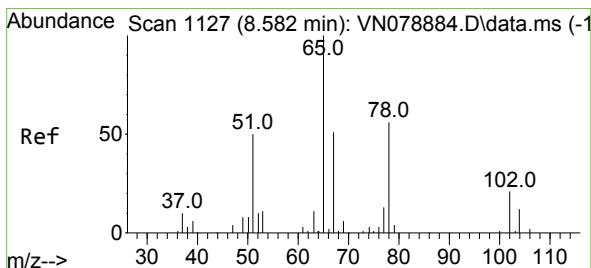
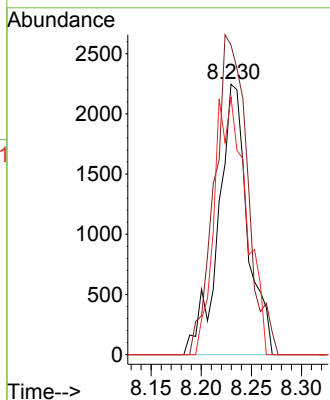
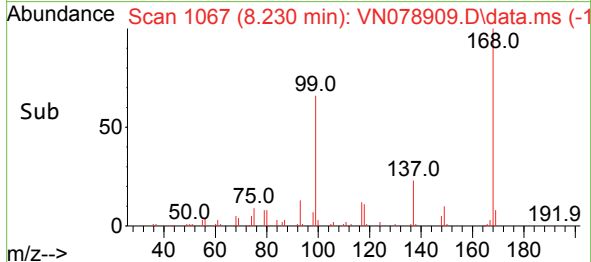


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Instrument :
MSVOA_N
ClientSampleId :
TP-24

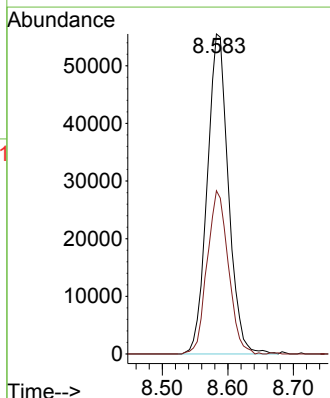
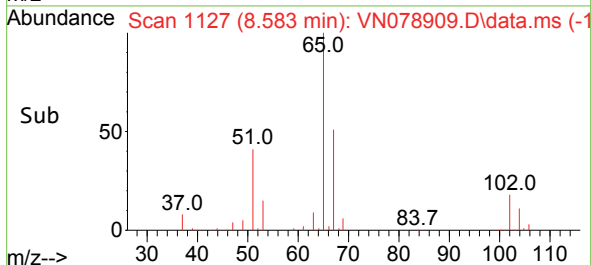
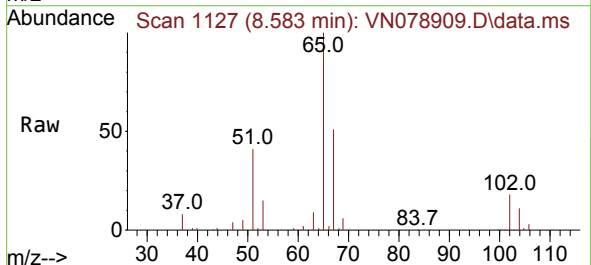


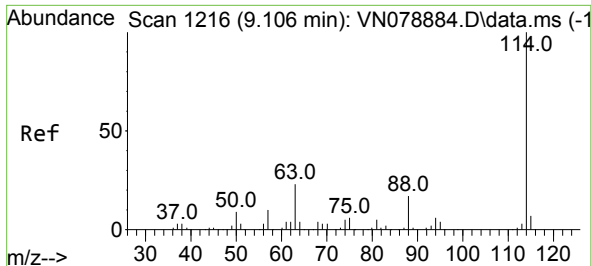
Tgt Ion: 56 Resp: 4543
Ion Ratio Lower Upper
56 100
69 114.5 26.8 40.2#
84 95.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.476 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 65 Resp: 124546
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6

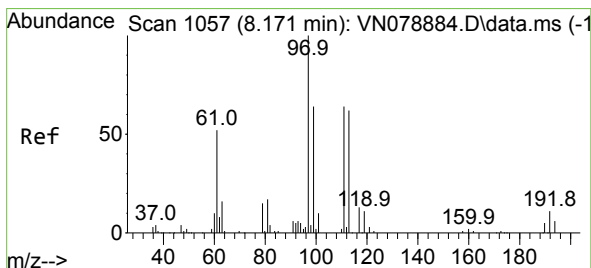
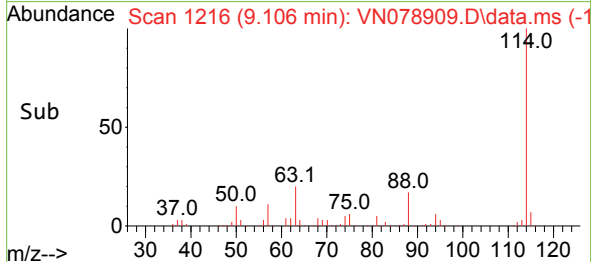
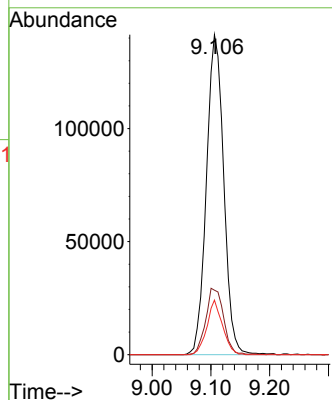
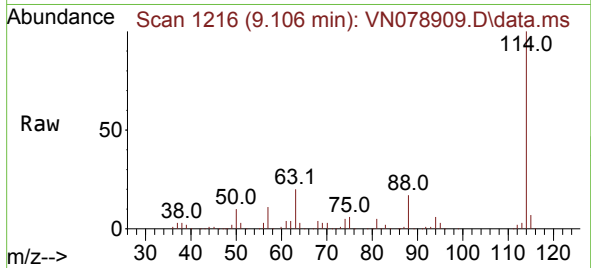




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

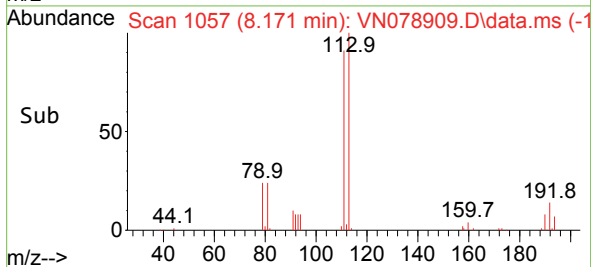
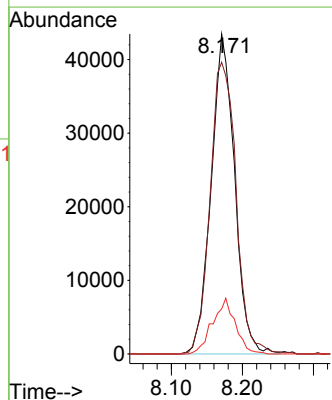
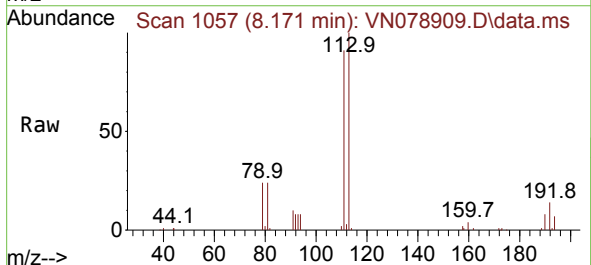
Instrument :
MSVOA_N
ClientSampleId :
TP-24

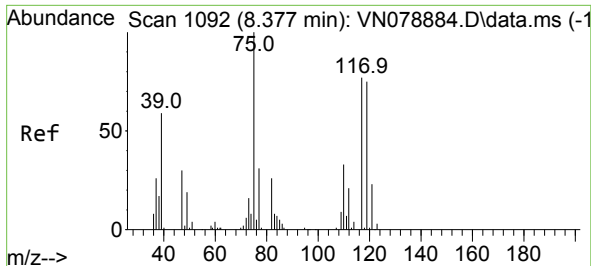
Tgt Ion:114 Resp: 289569
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.4
88 17.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.068 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion:113 Resp: 99543
Ion Ratio Lower Upper
113 100
111 101.2 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.746 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Instrument :

MSVOA_N

ClientSampleId :

TP-24

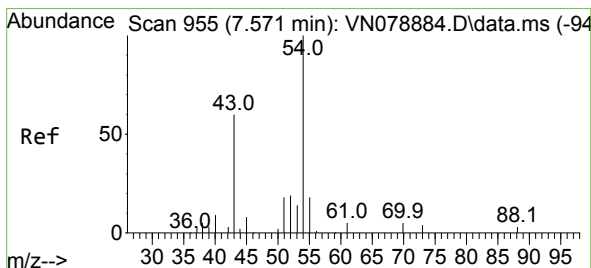
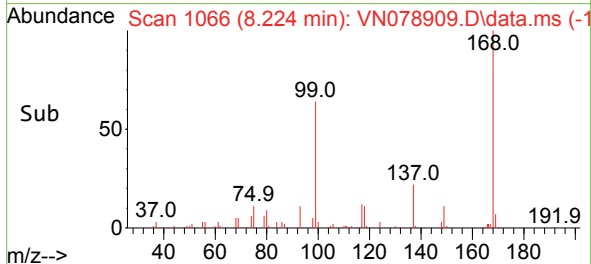
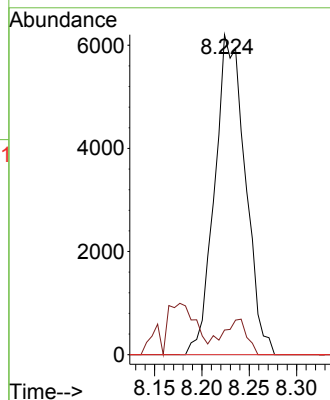
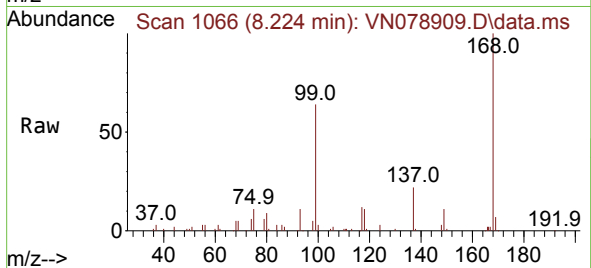
Tgt Ion: 75 Resp: 13915

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.236 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.006 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

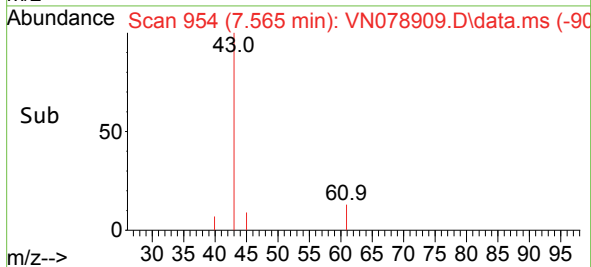
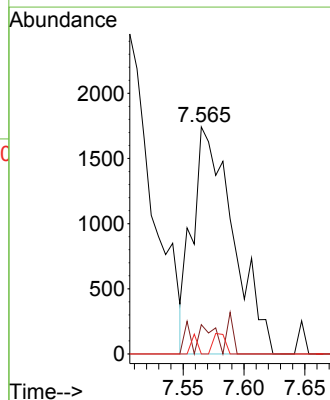
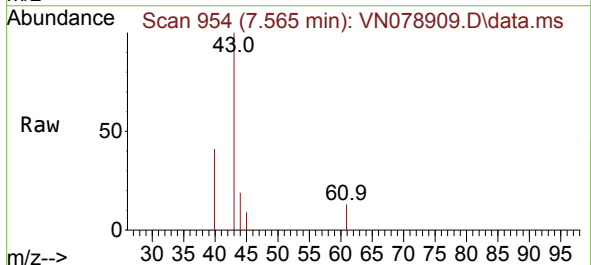
Tgt Ion: 43 Resp: 4054

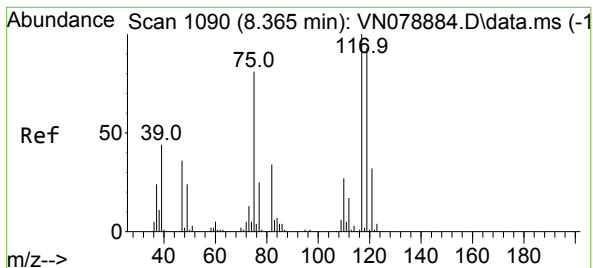
Ion Ratio Lower Upper

43 100

61 5.1 13.2 19.8#

70 1.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN078909.D

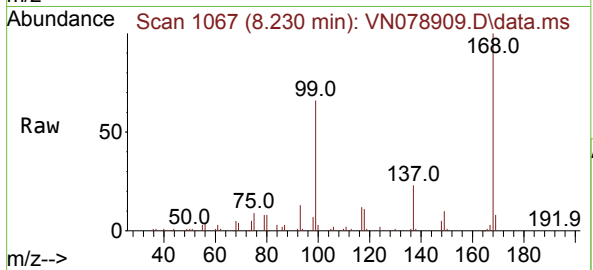
Acq: 16 Aug 2023 17:42

Instrument :

MSVOA_N

ClientSampleId :

TP-24



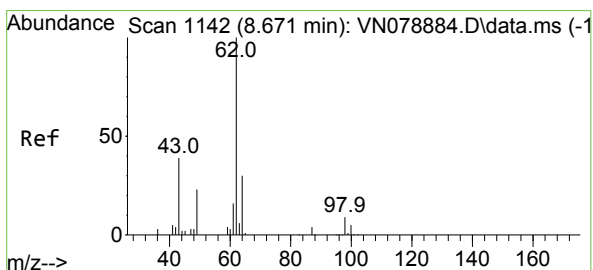
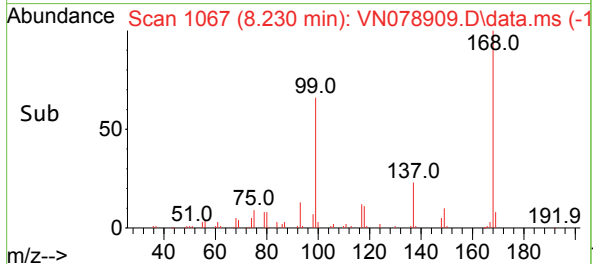
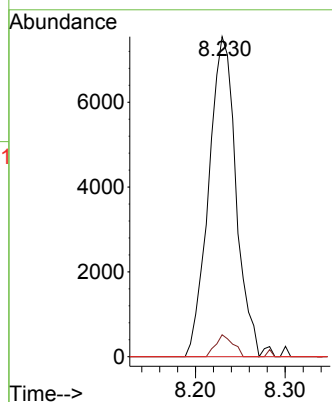
Tgt Ion:117 Resp: 16058

Ion Ratio Lower Upper

117 100

119 6.8 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.250 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN078909.D

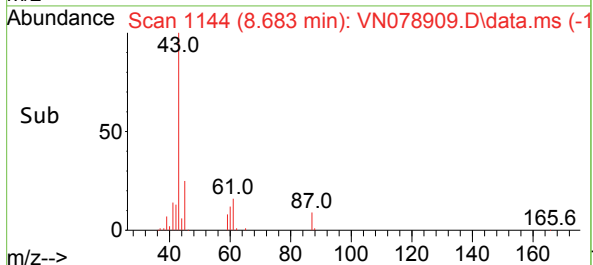
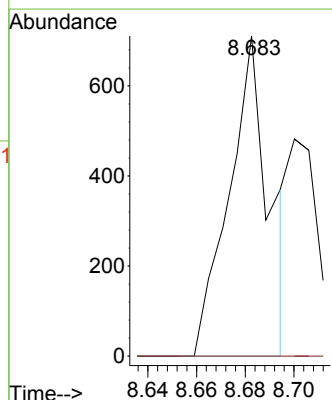
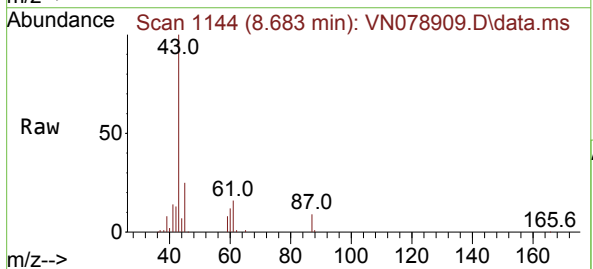
Acq: 16 Aug 2023 17:42

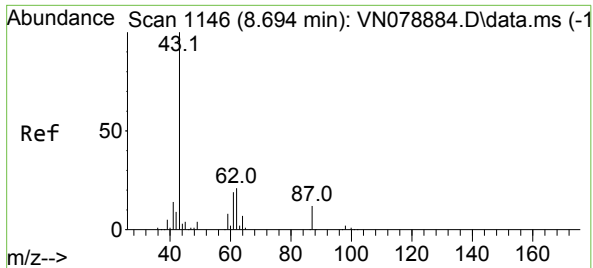
Tgt Ion: 62 Resp: 808

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

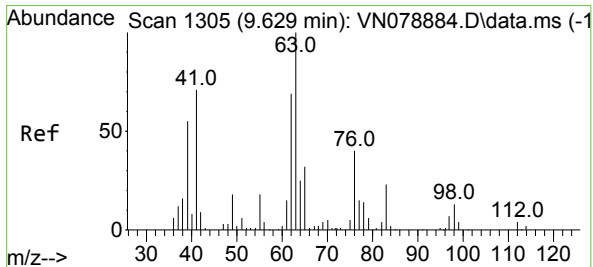
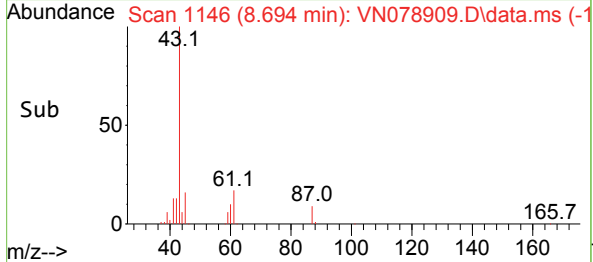
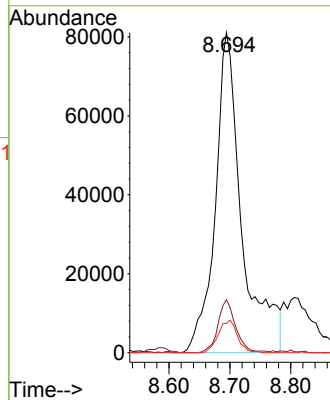
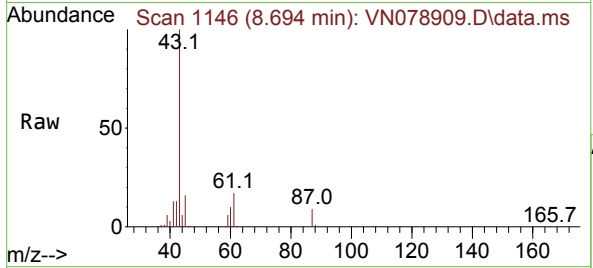




#43
Isopropyl Acetate
Concen: 42.513 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

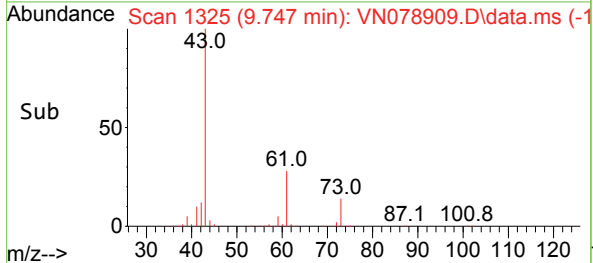
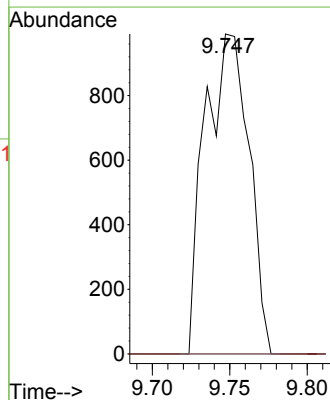
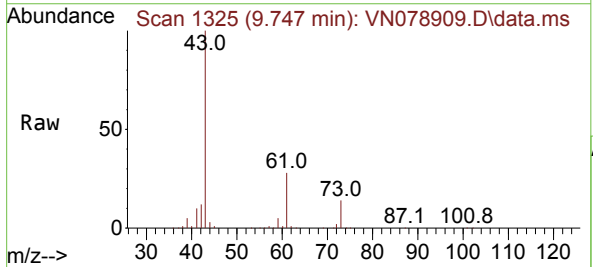
Instrument :
MSVOA_N
ClientSampleId :
TP-24

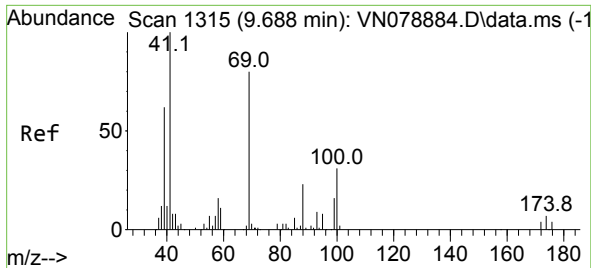
Tgt Ion: 43 Resp: 246515
Ion Ratio Lower Upper
43 100
61 10.9 24.7 37.1#
87 7.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.847 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 63 Resp: 1955
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

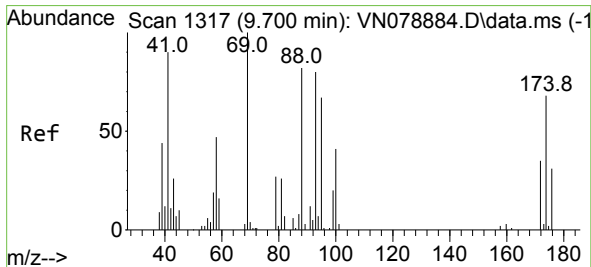
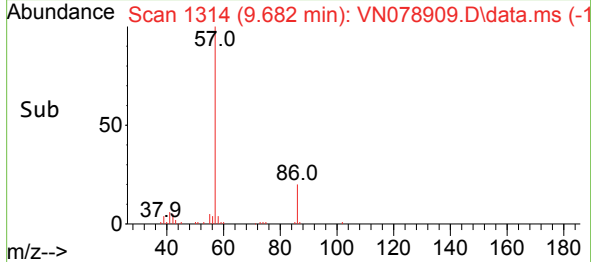
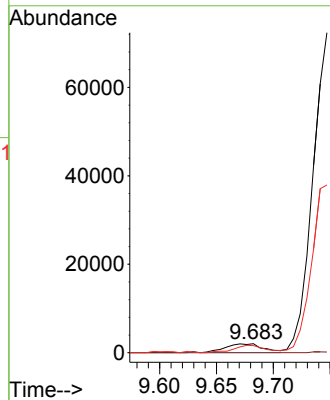
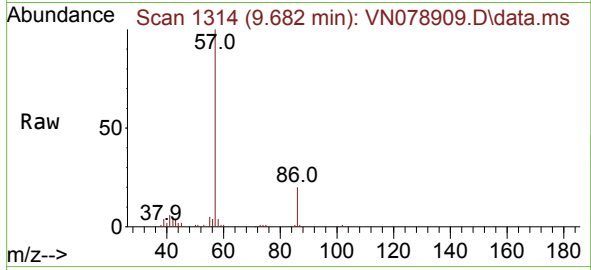




#48
Methyl methacrylate
Concen: 1.798 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

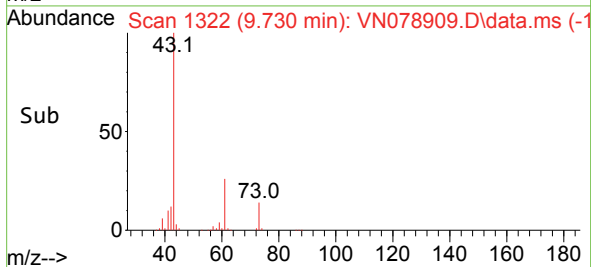
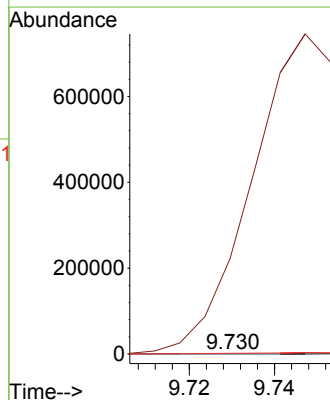
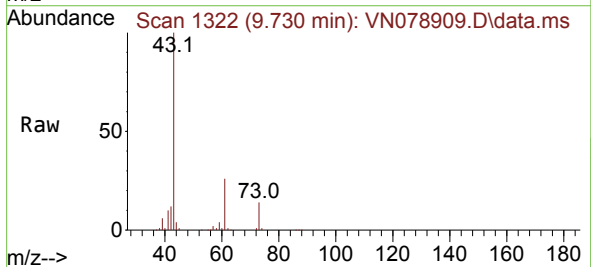
Instrument :
MSVOA_N
ClientSampleId :
TP-24

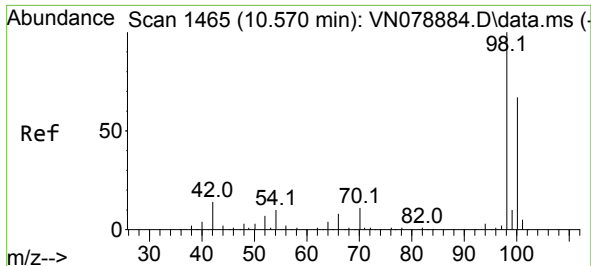
Tgt Ion: 41 Resp: 4725
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 64.8 54.6 81.8



#49
1,4-Dioxane
Concen: 1.519 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.030 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

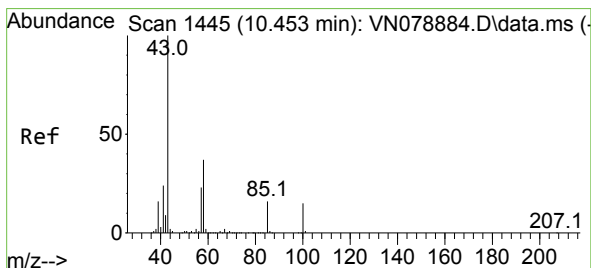
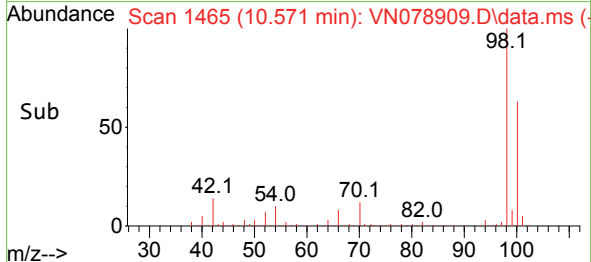
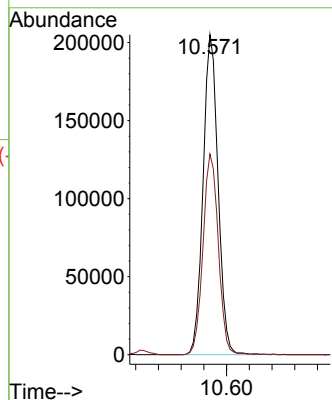
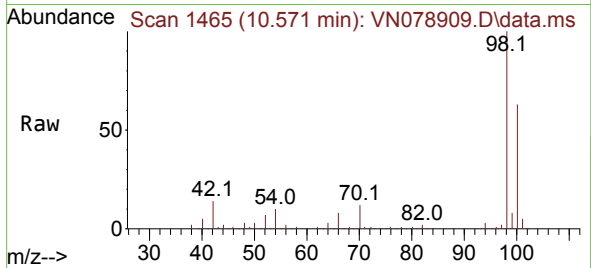




#50
Toluene-d8
Concen: 51.715 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

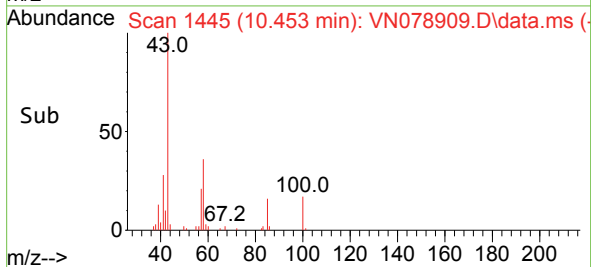
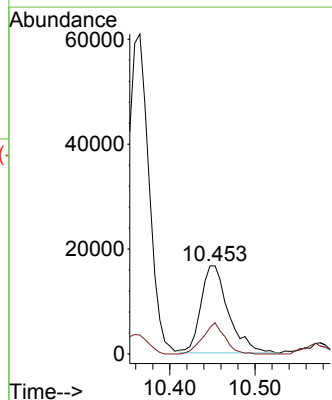
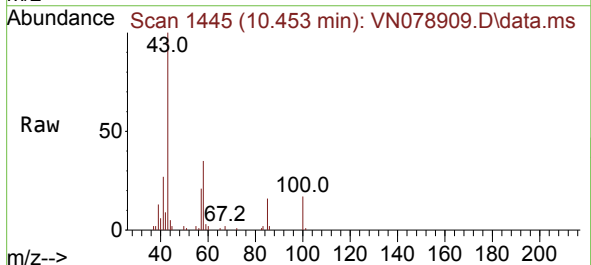
Instrument :
MSVOA_N
ClientSampleId :
TP-24

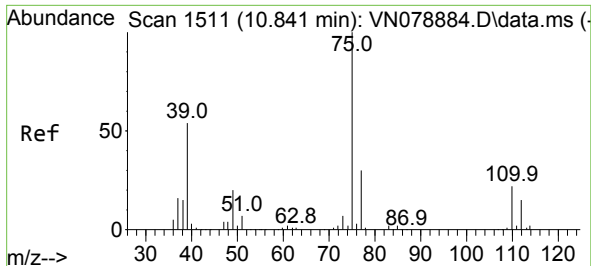
Tgt Ion: 98 Resp: 374297
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 10.794 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 43 Resp: 37123
Ion Ratio Lower Upper
43 100
58 28.8 36.6 54.8#

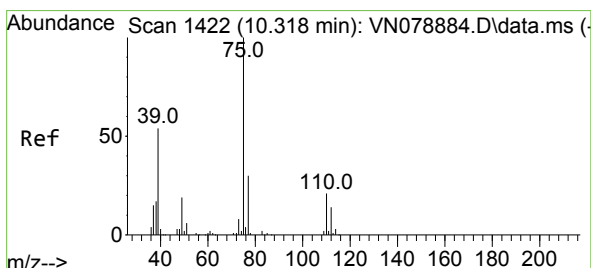
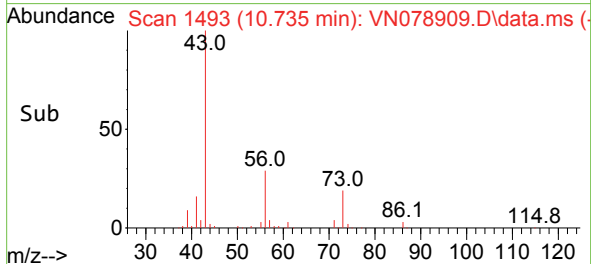
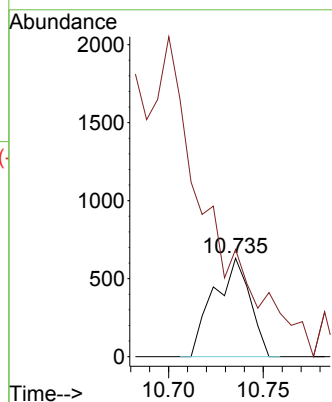
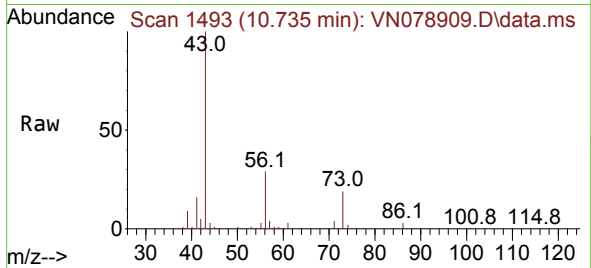




#53
 t-1,3-Dichloropropene
 Concen: 0.250 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN078909.D
 Acq: 16 Aug 2023 17:42

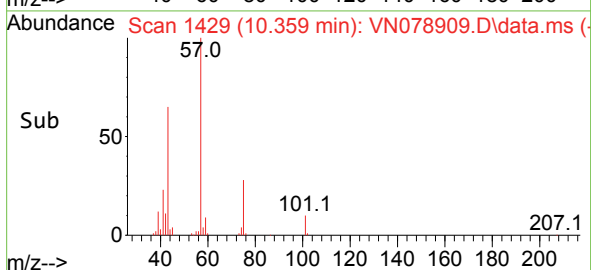
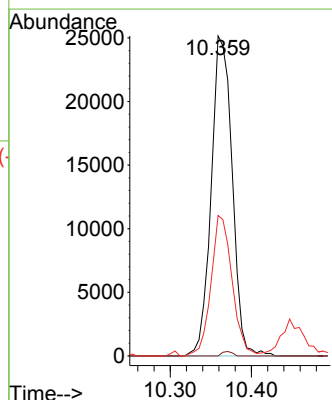
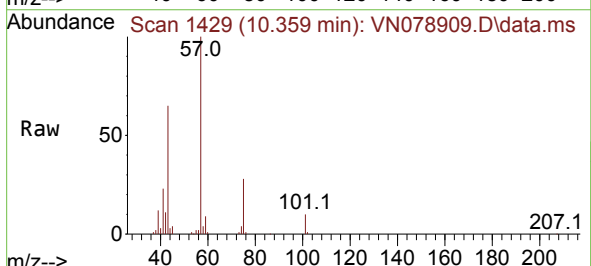
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-24

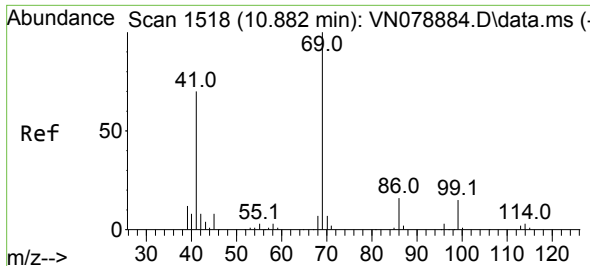
Tgt Ion: 75 Resp: 839
 Ion Ratio Lower Upper
 75 100
 77 64.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.382 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN078909.D
 Acq: 16 Aug 2023 17:42

Tgt Ion: 75 Resp: 45197
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 43.9 31.6 47.4

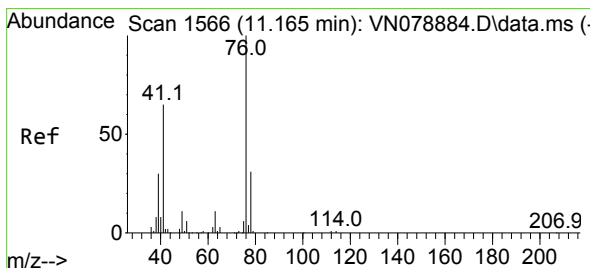
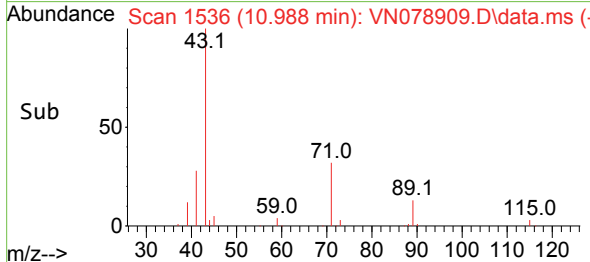
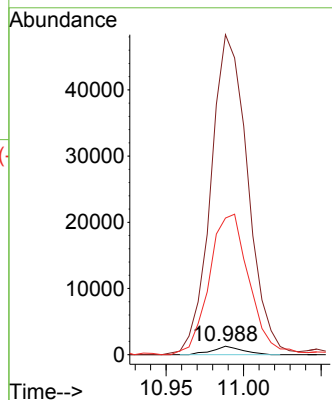
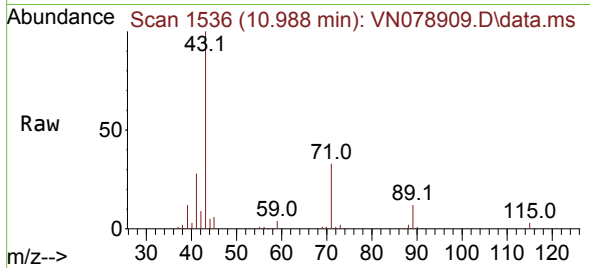




#56
Ethyl methacrylate
Concen: 0.516 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

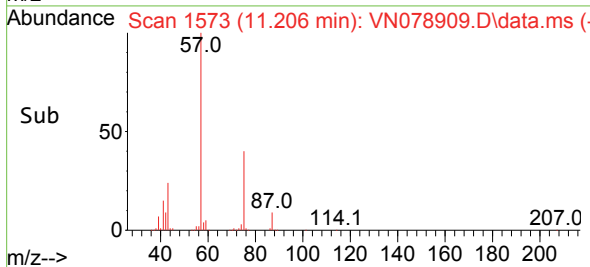
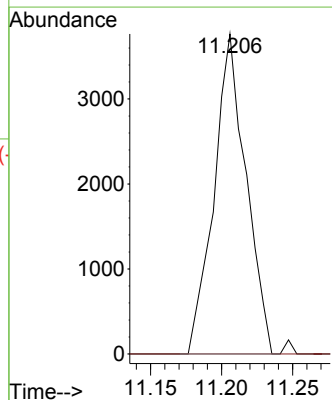
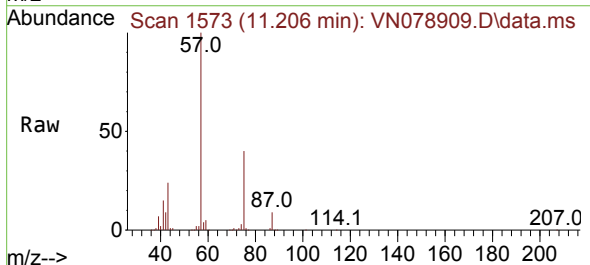
Instrument :
MSVOA_N
ClientSampleId :
TP-24

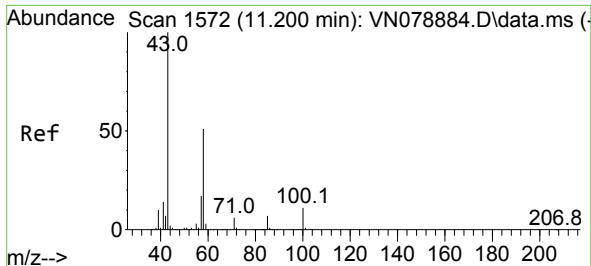
Tgt Ion: 69 Resp: 1706
Ion Ratio Lower Upper
69 100
41 4706.9 39.6 59.4#
39 2232.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.547 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 76 Resp: 5902
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

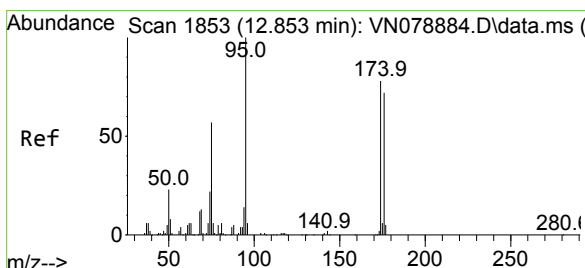
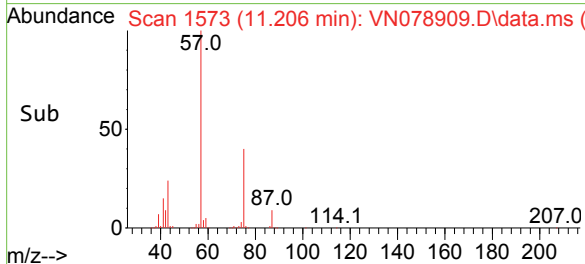
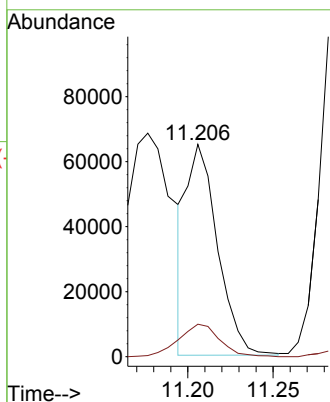
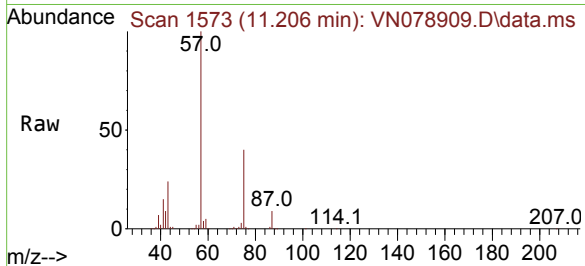




#59
2-Hexanone
Concen: 33.042 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

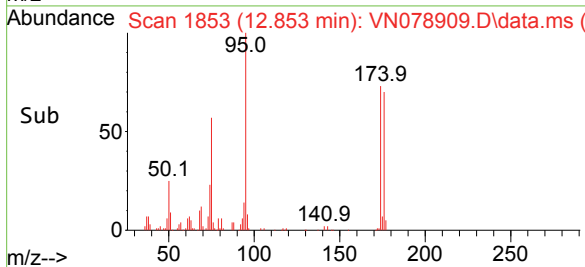
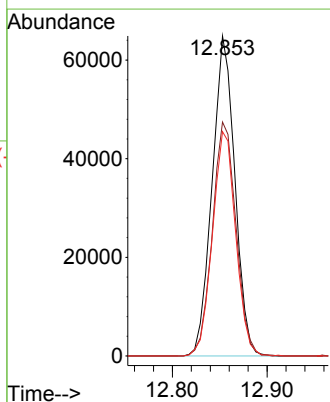
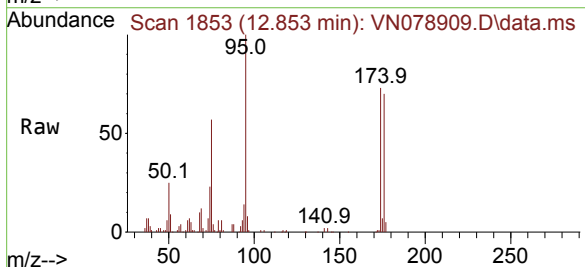
Instrument :
MSVOA_N
ClientSampleId :
TP-24

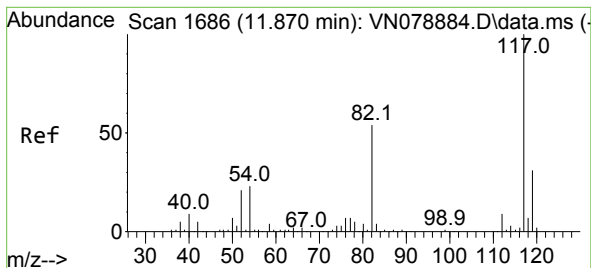
Tgt Ion: 43 Resp: 82305
Ion Ratio Lower Upper
43 100
58 20.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.677 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

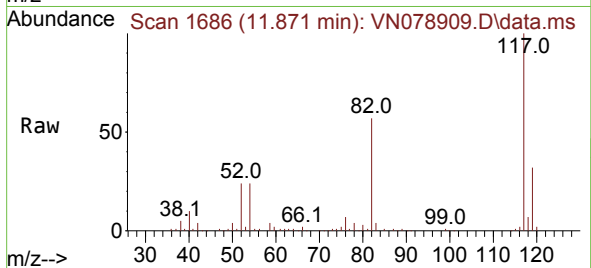
Tgt Ion: 95 Resp: 108058
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 71.8 0.0 135.8



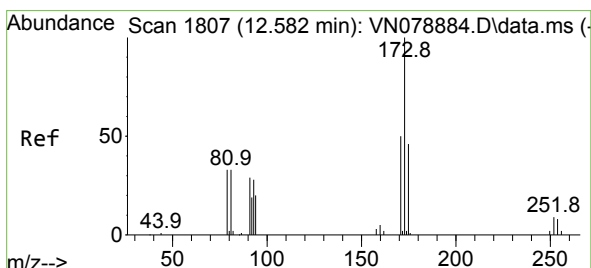
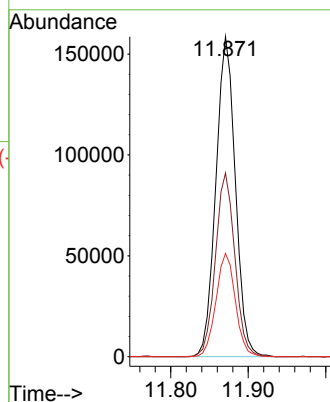
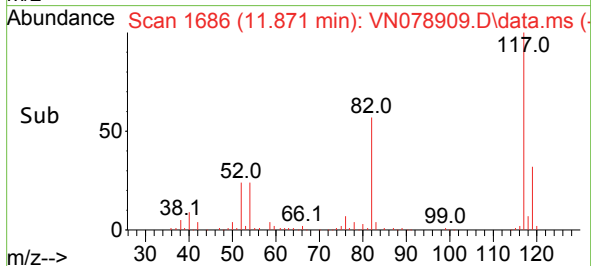


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Instrument :
MSVOA_N
ClientSampleId :
TP-24

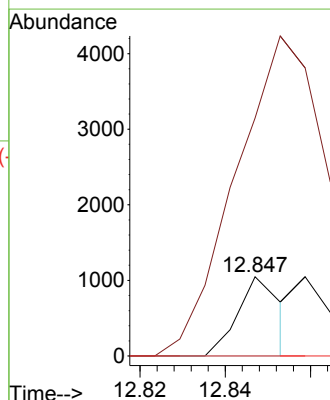
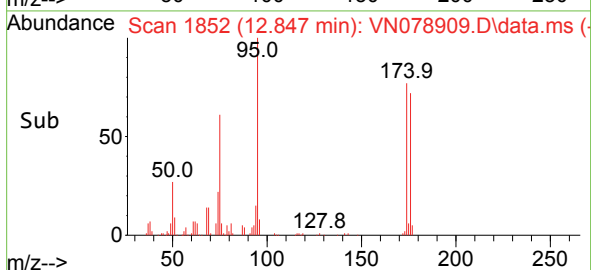
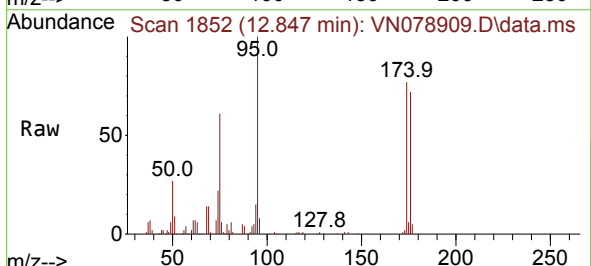


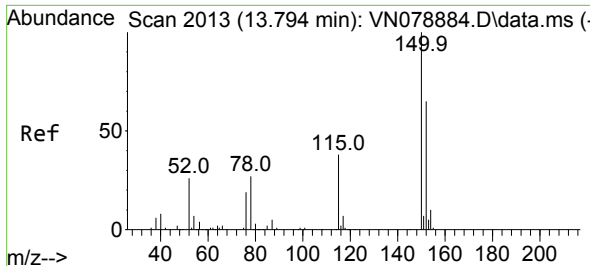
Tgt Ion:117 Resp: 277102
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.460 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion:173 Resp: 745
Ion Ratio Lower Upper
173 100
175 690.7 24.3 73.0#
254 0.0 0.0 0.0

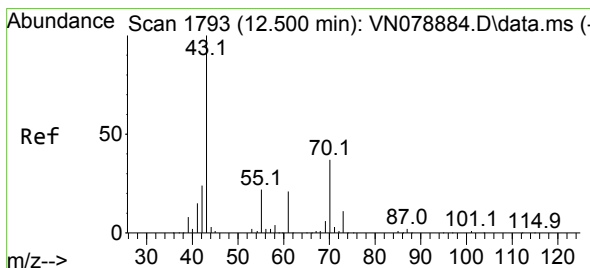
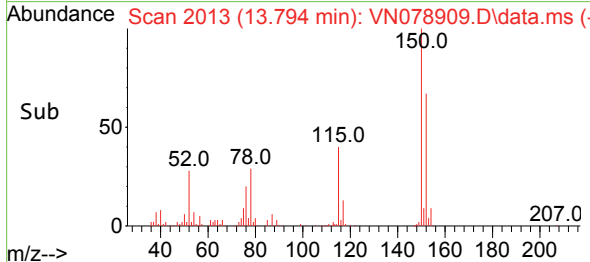
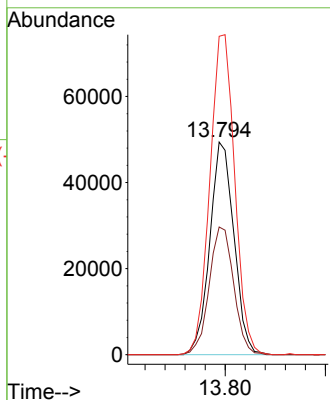
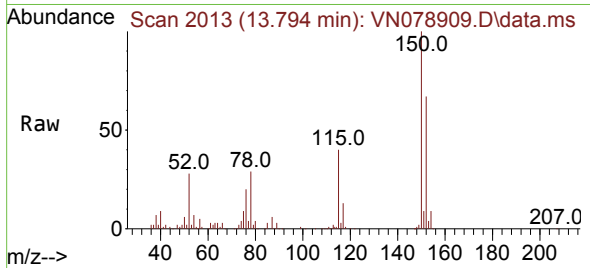




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

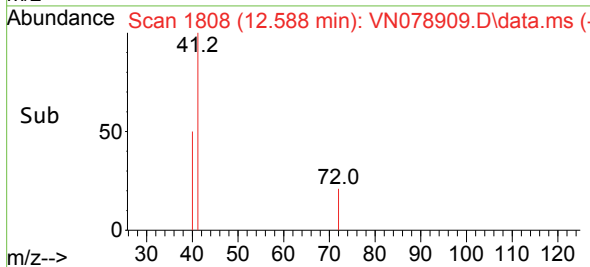
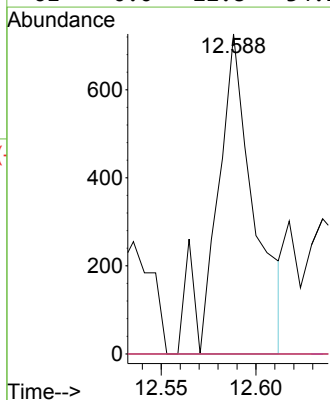
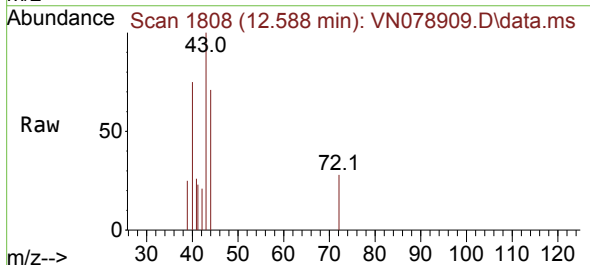
Instrument :
MSVOA_N
ClientSampleId :
TP-24

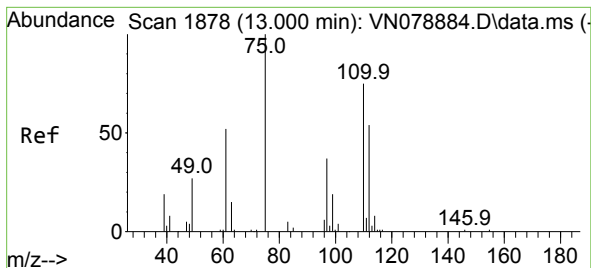
Tgt Ion:152 Resp: 82721
Ion Ratio Lower Upper
152 100
115 60.9 32.3 96.8
150 154.8 0.0 355.8



#74
N-ethyl acetate
Concen: 0.291 ug/l
RT: 12.588 min Scan# 1808
Delta R.T. 0.088 min
Lab File: VN078909.D
Acq: 16 Aug 2023 17:42

Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 30.788 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Instrument :

MSVOA_N

ClientSampleId :

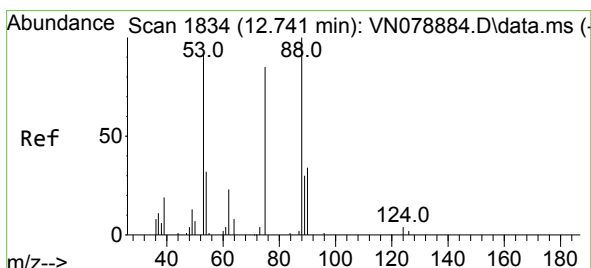
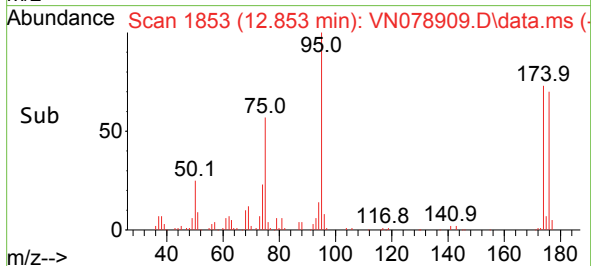
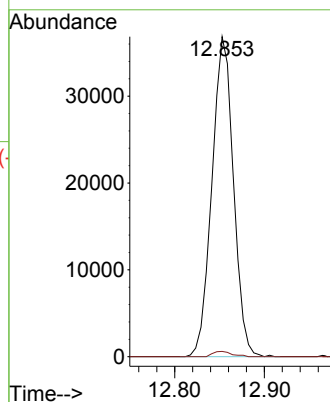
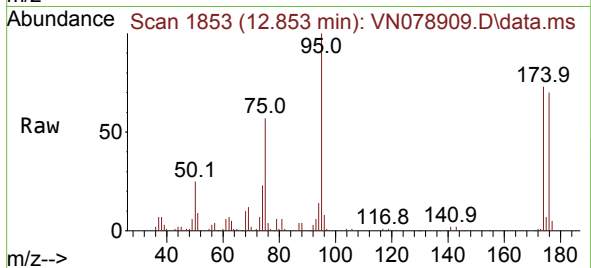
TP-24

Tgt Ion: 75 Resp: 61366

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.650 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078909.D

Acq: 16 Aug 2023 17:42

Tgt Ion: 75 Resp: 61366

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

