

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078339.D
 Acq On : 21 Jun 2023 21:59
 Operator : JC\MD
 Sample : 03357-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SCAN-02-G

Quant Time: Jun 22 04:57:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

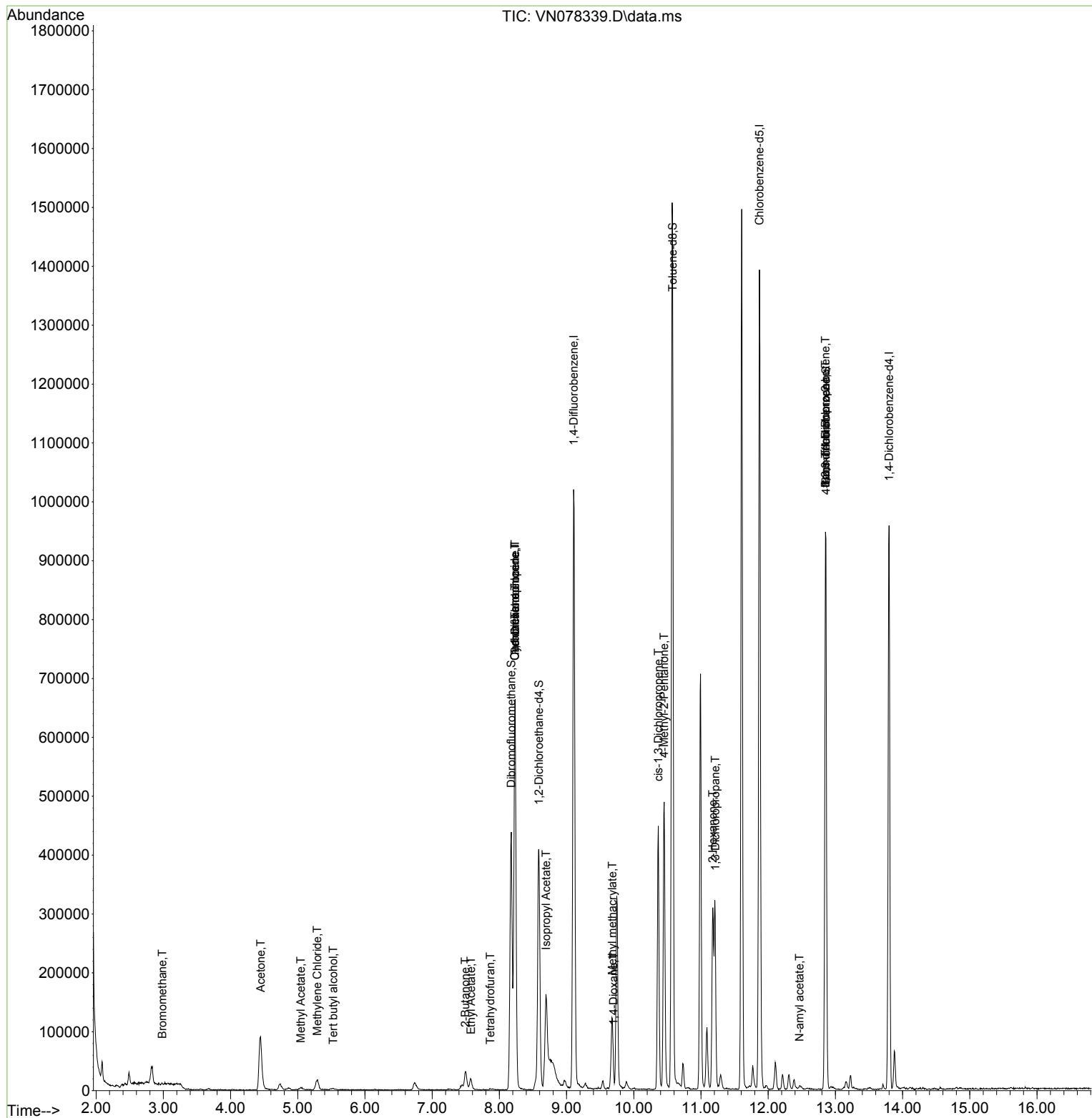
Internal Standards						
1) Pentafluorobenzene	8.236	168	472731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	906119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	826698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	340373	54.002	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.000%			
35) Dibromofluoromethane	8.177	113	309538	54.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.577	98	1085301	49.138	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.280%			
62) 4-Bromofluorobenzene	12.859	95	339832	49.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.980%			
Target Compounds						Qvalue
3) Chloromethane	2.383	50	1462	Below Cal		99
5) Bromomethane	2.983	94	1069	0.202	ug/l	99
11) Tert butyl alcohol	5.530	59	1443	1.658	ug/l #	72
16) Acetone	4.448	43	172879	95.291	ug/l	98
18) Methyl Acetate	5.048	43	8876	1.063	ug/l #	57
20) Methylene Chloride	5.289	84	13404	2.236	ug/l #	86
25) 2-Butanone	7.494	43	49129	17.610	ug/l #	79
29) Tetrahydrofuran	7.865	42	1002	0.537	ug/l #	43
31) Cyclohexane	8.230	56	11585	1.433	ug/l #	32
36) 1,1-Dichloropropene	8.236	75	40816	4.967	ug/l #	48
37) Ethyl Acetate	7.577	43	26613	4.145	ug/l	96
38) Carbon Tetrachloride	8.230	117	53288	6.141	ug/l #	16
43) Isopropyl Acetate	8.694	43	215187	17.527	ug/l #	72
48) Methyl methacrylate	9.682	41	6931	1.345	ug/l #	34
49) 1,4-Dioxane	9.700	88	55	0.508	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	321794	49.772	ug/l	91
54) cis-1,3-Dichloropropene	10.365	75	79014	8.218	ug/l #	69
57) 1,3-Dichloropropane	11.212	76	3879	0.392	ug/l #	42
59) 2-Hexanone	11.177	43	277099	61.554	ug/l #	19
71) Bromoform	12.853	173	2494	0.593	ug/l #	1
74) N-amyl acetate	12.465	43	2919	0.361	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.970	83	893	Below Cal	#	57
76) 1,2,3-Trichloropropane	12.853	75	185062	30.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	185062	92.673	ug/l #	15

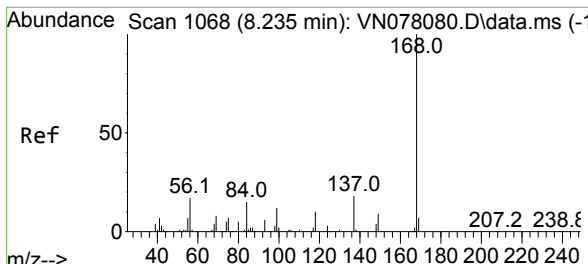
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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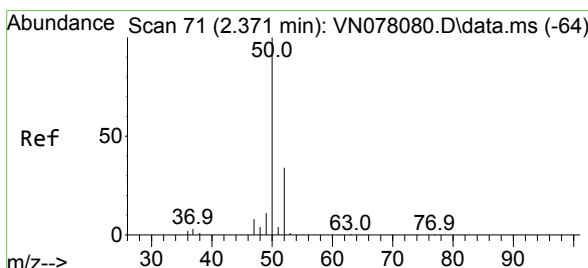
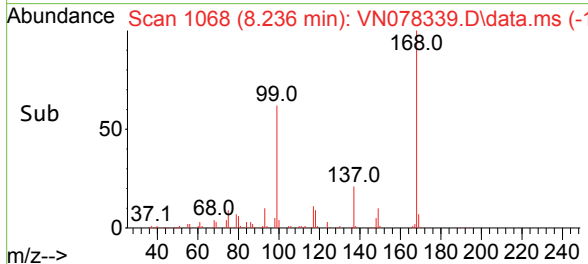
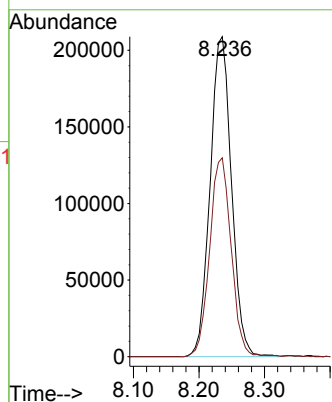
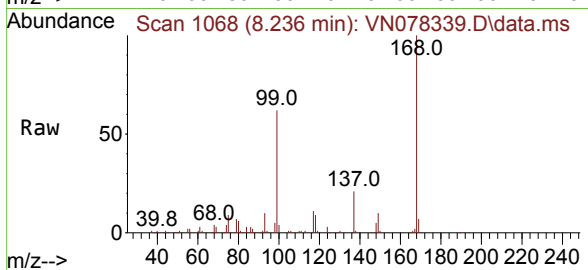




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

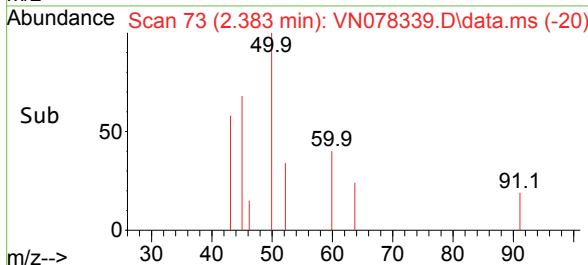
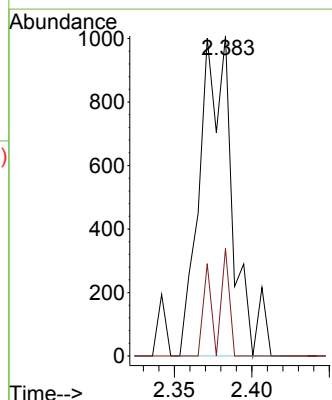
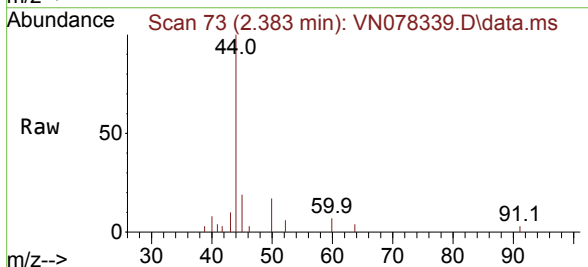
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

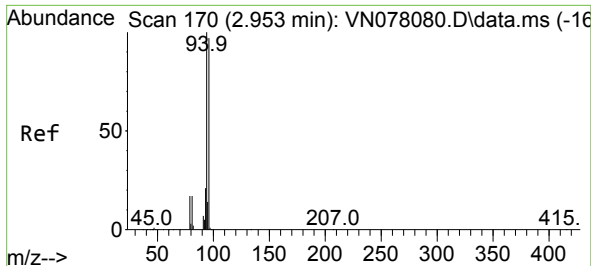
Tgt Ion:168 Resp: 472731
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 50 Resp: 1462
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

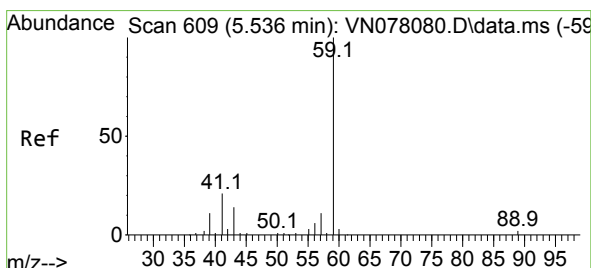
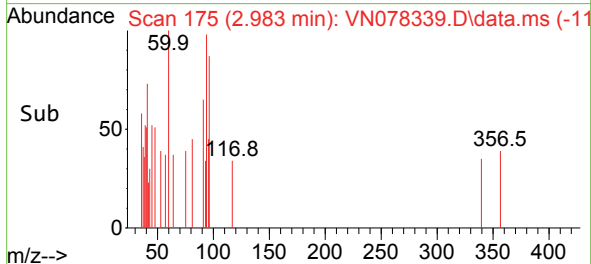
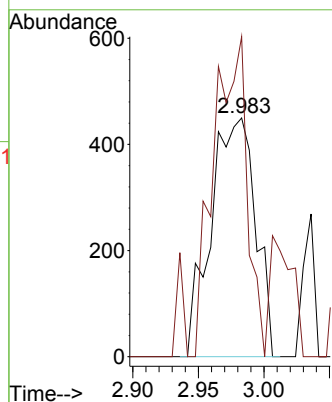
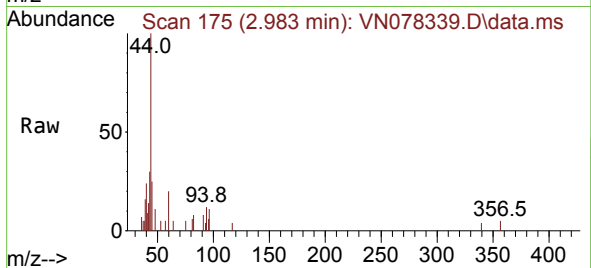




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

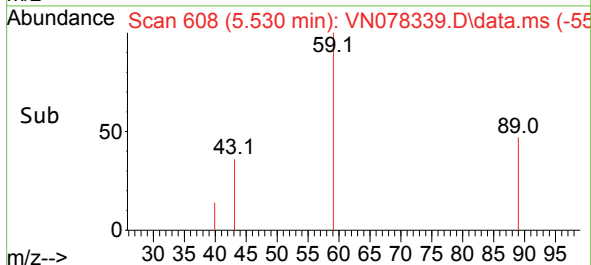
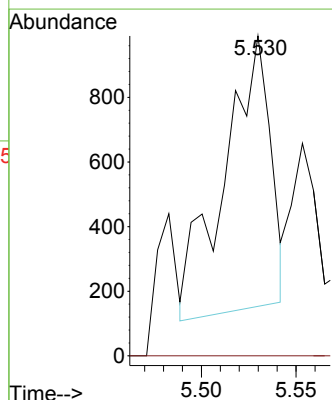
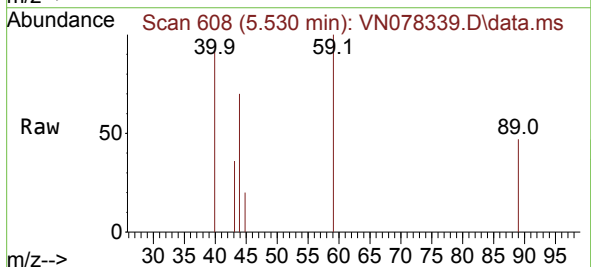
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

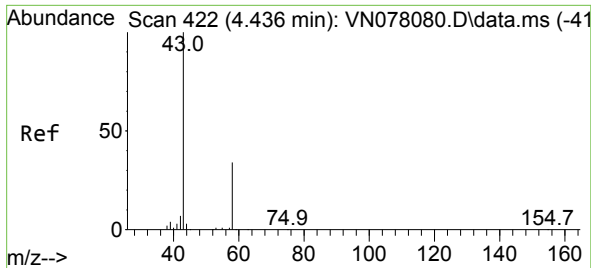
Tgt Ion: 94 Resp: 1069
Ion Ratio Lower Upper
94 100
96 90.4 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.658 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 59 Resp: 1443
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

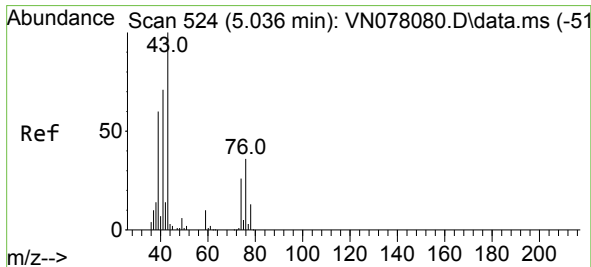
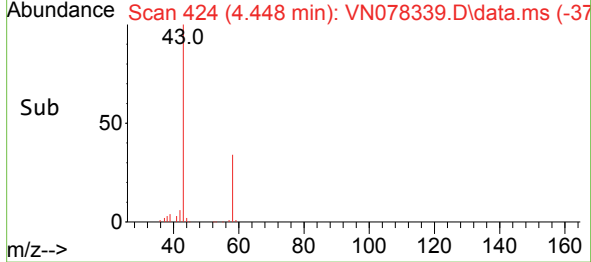
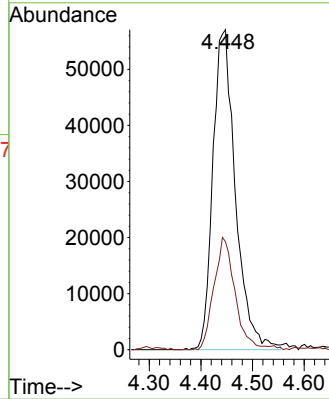
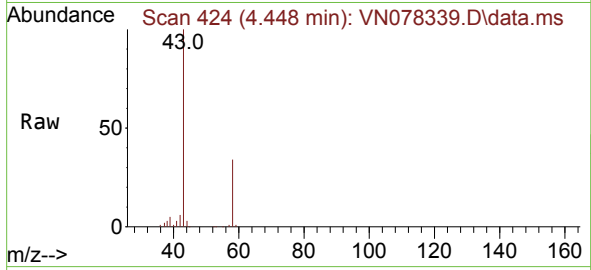




#16
Acetone
Concen: 95.291 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

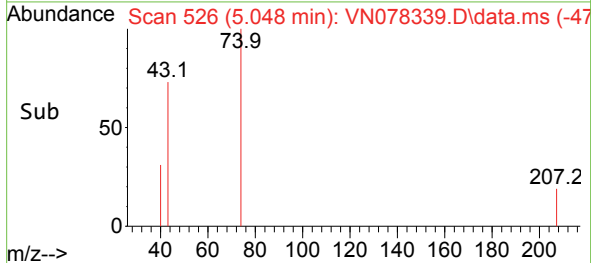
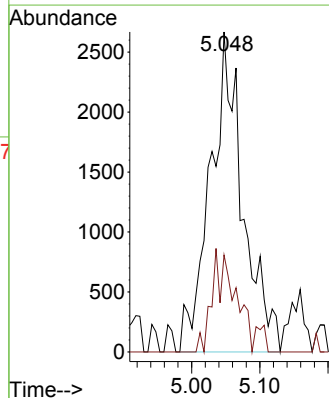
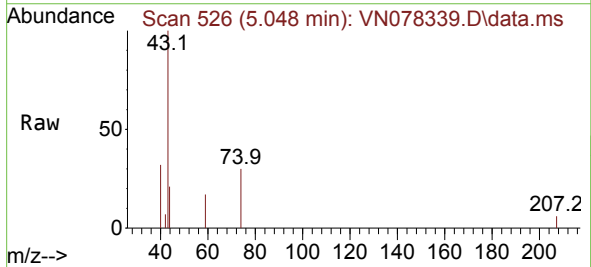
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

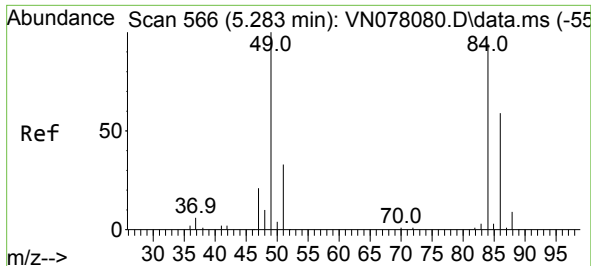
Tgt Ion: 43 Resp: 172879
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 1.063 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 43 Resp: 8876
Ion Ratio Lower Upper
43 100
74 8.7 26.2 39.4#

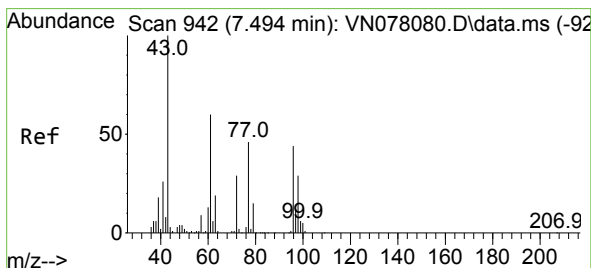
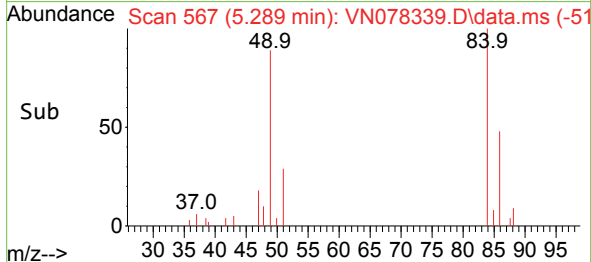
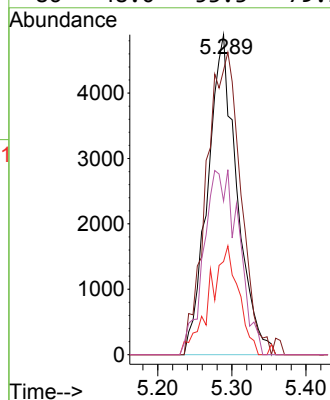
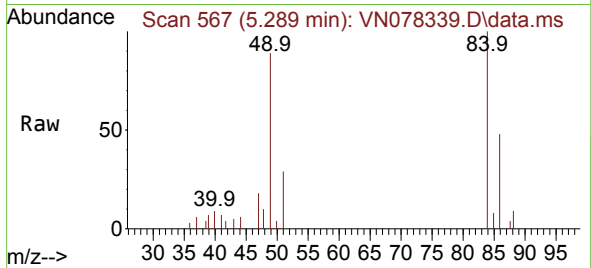




#20
Methylene Chloride
Concen: 2.236 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

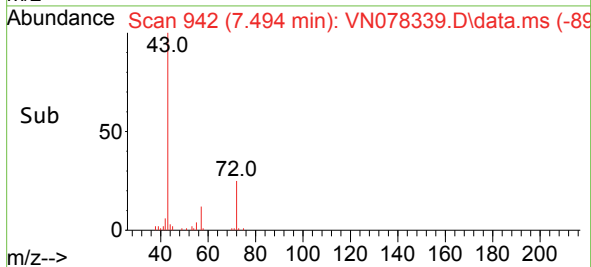
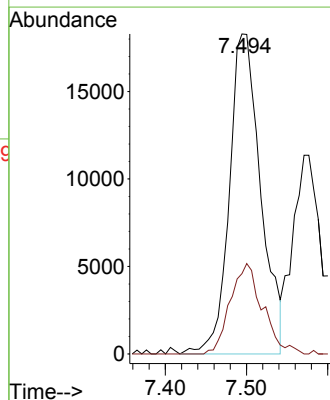
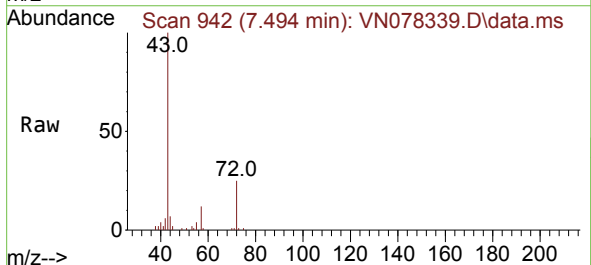
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

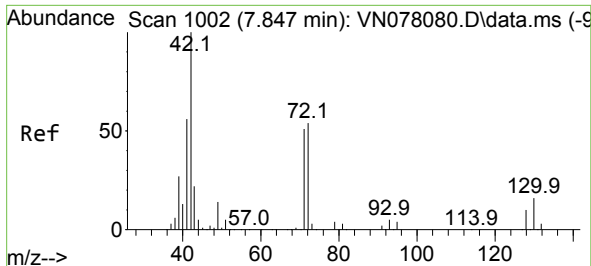
Tgt Ion:	84	Resp:	13404
Ion	Ratio	Lower	Upper
84	100		
49	88.9	79.7	119.5
51	29.1	25.2	37.8
86	48.0	53.3	79.9#



#25
2-Butanone
Concen: 17.610 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion:	43	Resp:	49129
Ion	Ratio	Lower	Upper
43	100		
72	25.1	30.2	45.2#

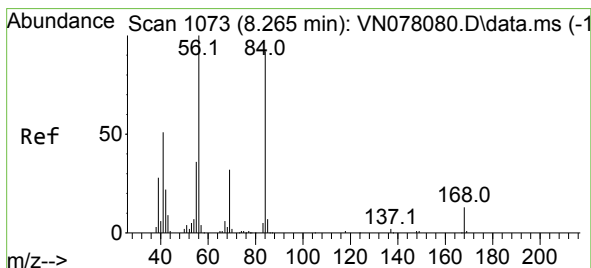
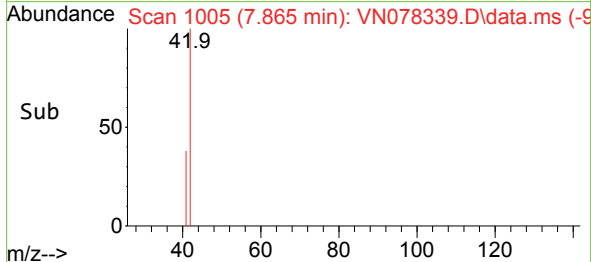
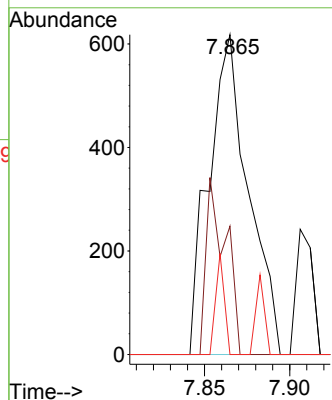
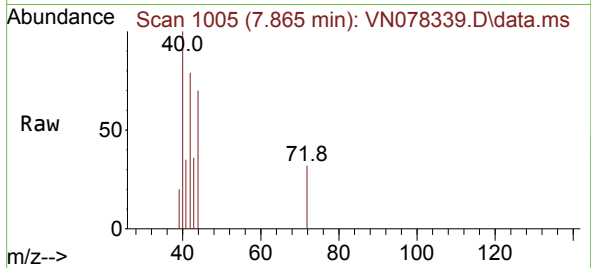




#29
Tetrahydrofuran
Concen: 0.537 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

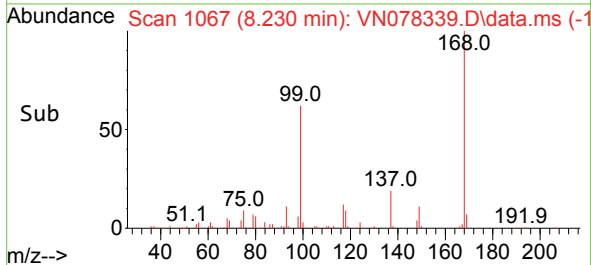
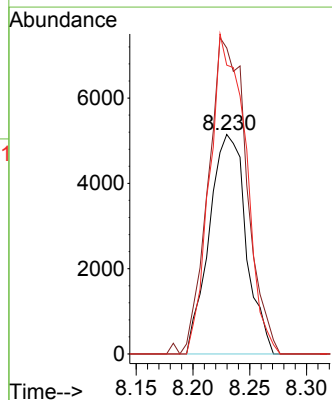
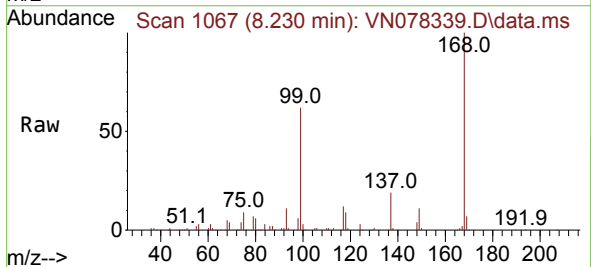
Instrument :
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ClientSampleId :
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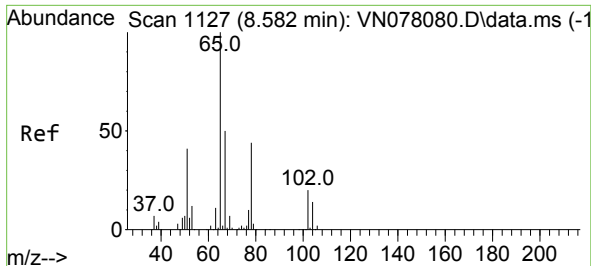
Tgt Ion: 42 Resp: 1002
Ion Ratio Lower Upper
42 100
72 27.4 49.8 74.6#
71 6.9 47.4 71.2#



#31
Cyclohexane
Concen: 1.433 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 56 Resp: 11585
Ion Ratio Lower Upper
56 100
69 139.4 26.8 40.2#
84 131.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.002 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Instrument :

MSVOA_N

ClientSampleId :

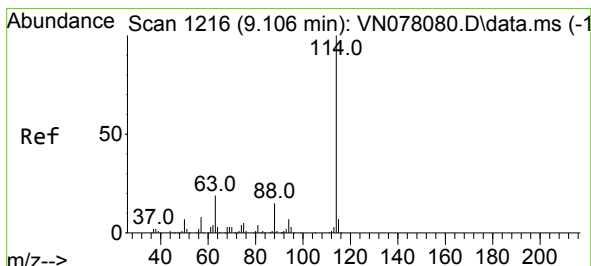
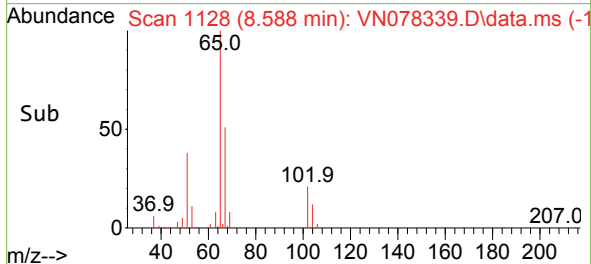
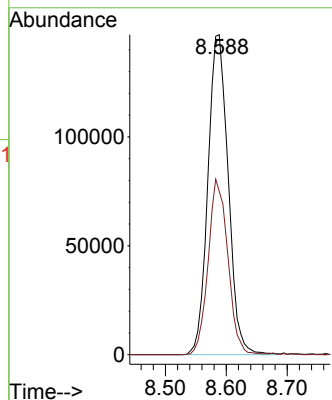
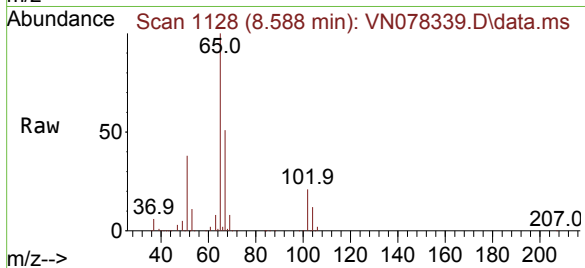
WC-SCAN-02-G

Tgt Ion: 65 Resp: 340373

Ion Ratio Lower Upper

65 100

67 53.2 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: VN078339.D

Acq: 21 Jun 2023 21:59

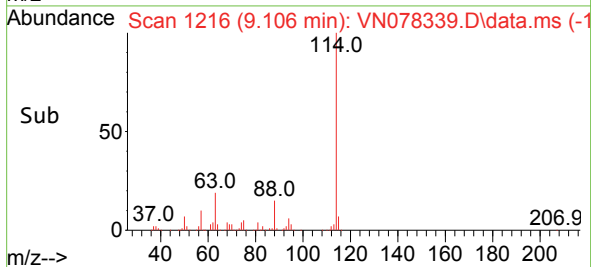
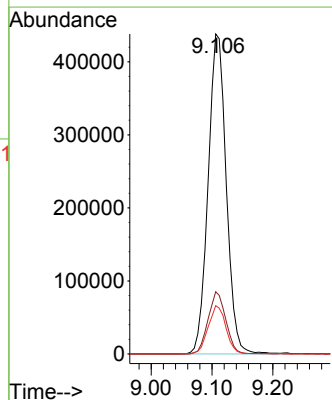
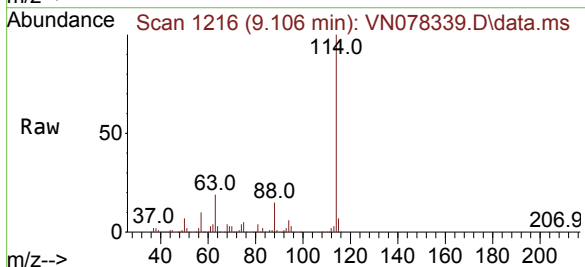
Tgt Ion: 114 Resp: 906119

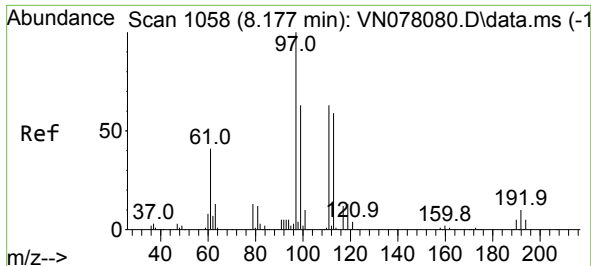
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.1 0.0 30.6

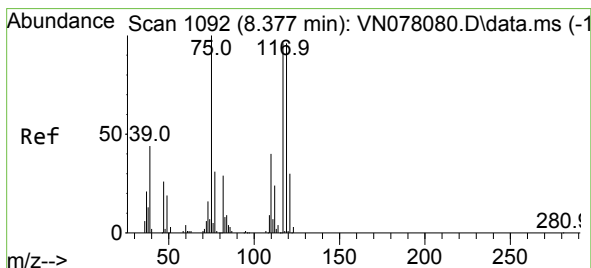
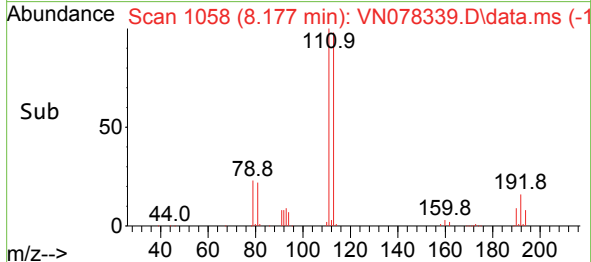
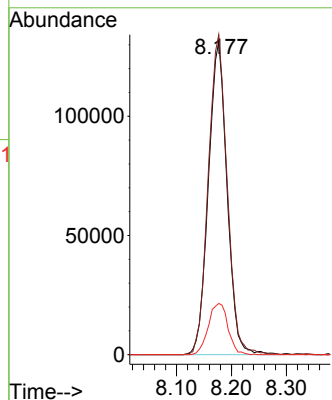
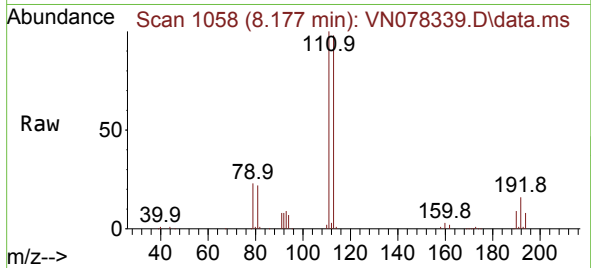




#35
Dibromofluoromethane
Concen: 54.027 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

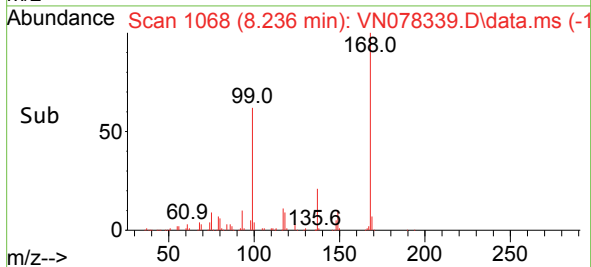
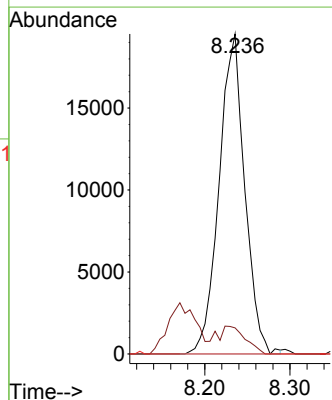
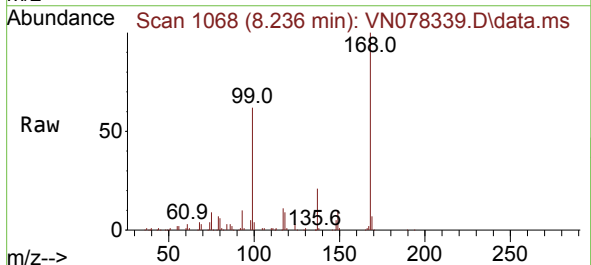
Instrument :
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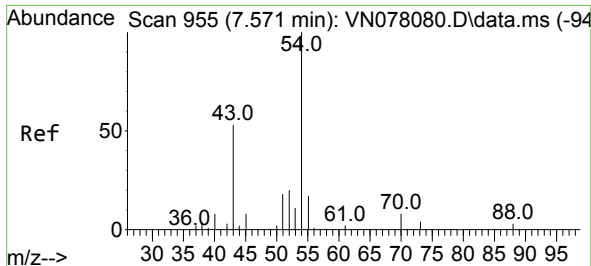
Tgt Ion:113 Resp: 309538
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 75 Resp: 40816
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#

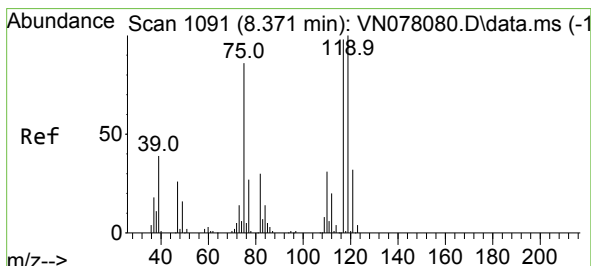
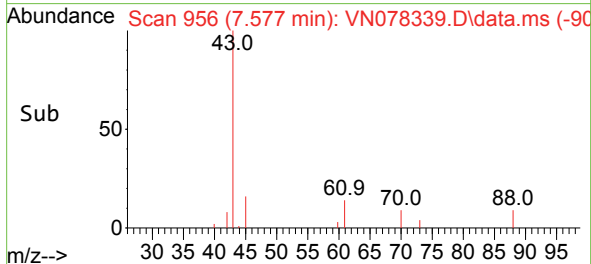
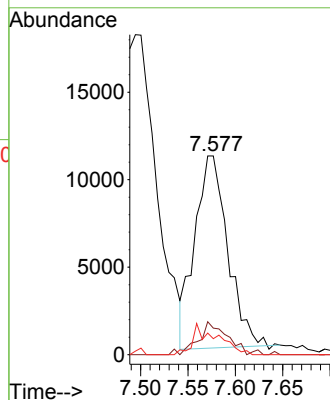
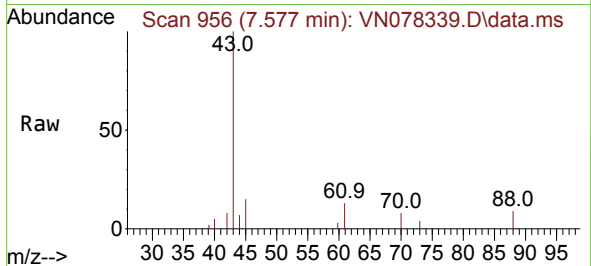




#37
Ethyl Acetate
Concen: 4.145 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

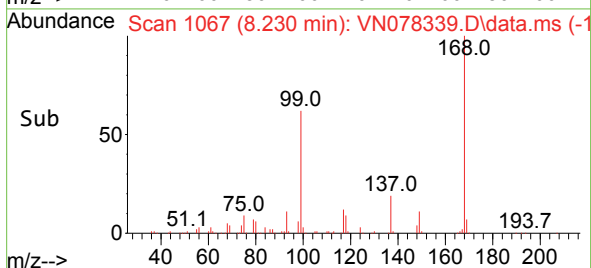
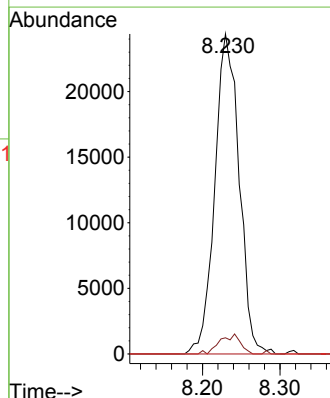
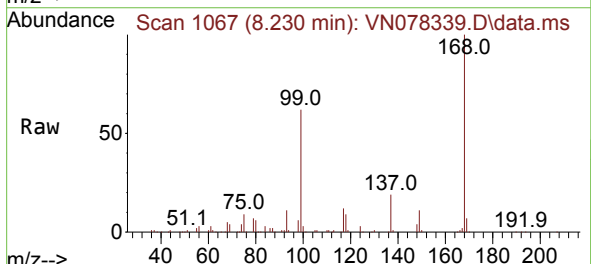
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

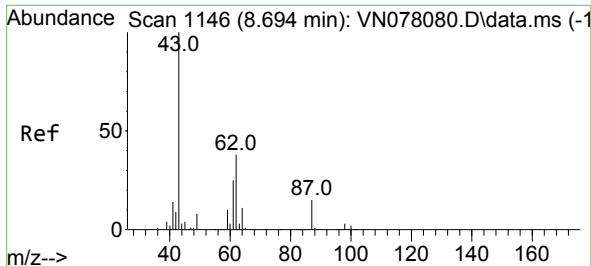
Tgt Ion: 43	Resp: 26613
Ion Ratio	Lower Upper
43 100	
61 14.9	13.2 19.8
70 12.1	11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt	Ion:117	Resp:	53288
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.3	115.9#
121	0.0	23.3	34.9#

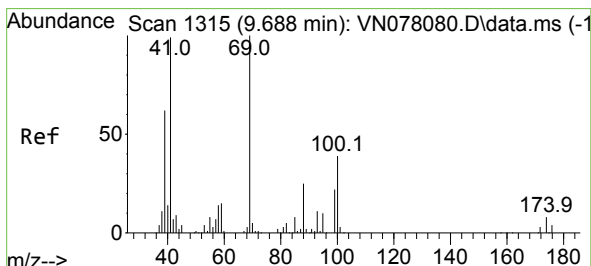
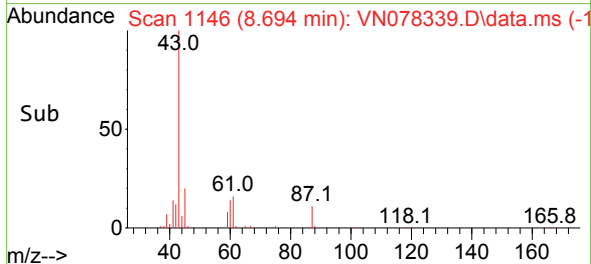
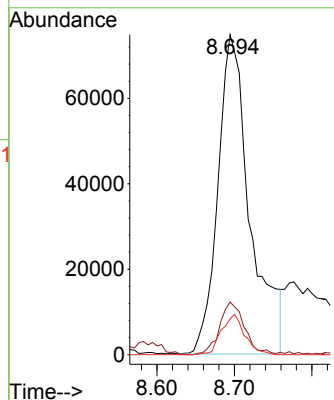
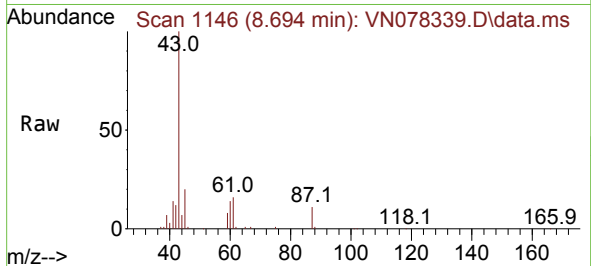




#43
Isopropyl Acetate
Concen: 17.527 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

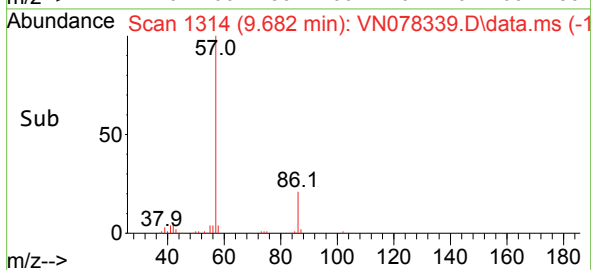
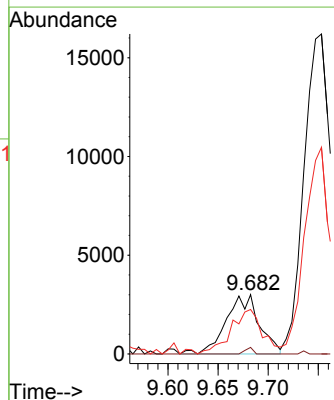
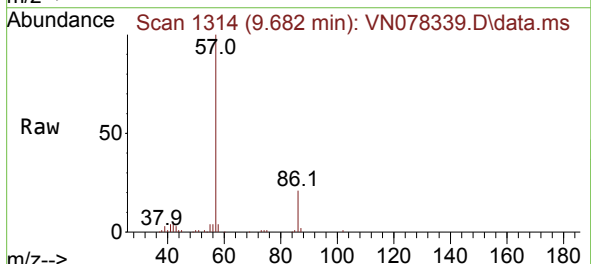
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

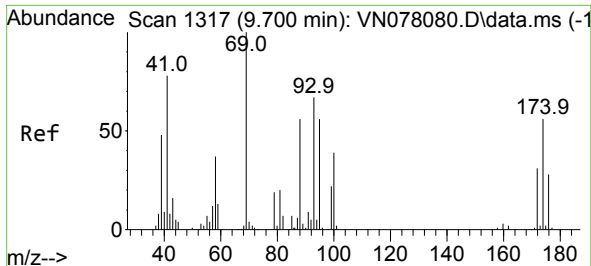
Tgt Ion: 43 Resp: 215187
Ion Ratio Lower Upper
43 100
61 12.8 24.7 37.1#
87 9.2 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.345 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 41 Resp: 6931
Ion Ratio Lower Upper
41 100
69 2.6 90.4 135.6#
39 71.1 54.6 81.8





#49

1,4-Dioxane

Concen: 0.508 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Instrument :

MSVOA_N

ClientSampleId :

WC-SCAN-02-G

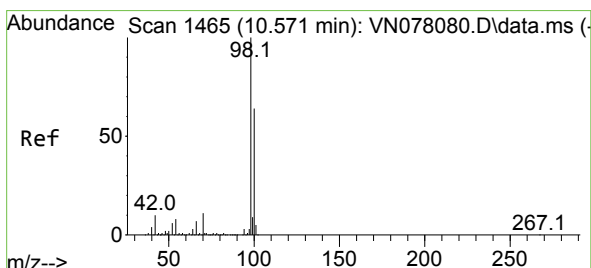
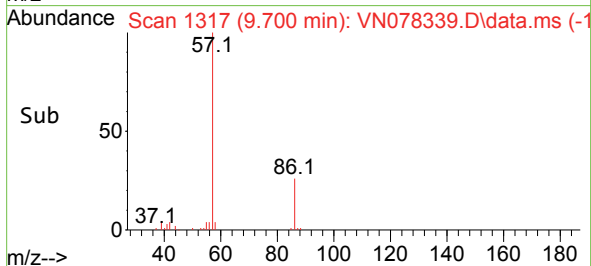
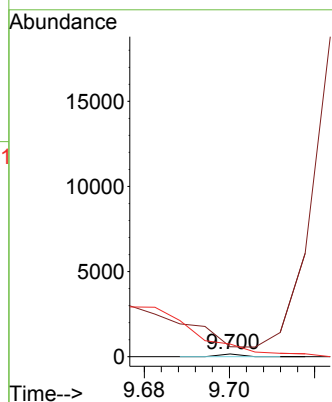
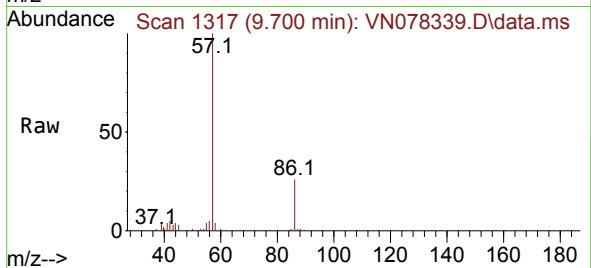
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.138 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078339.D

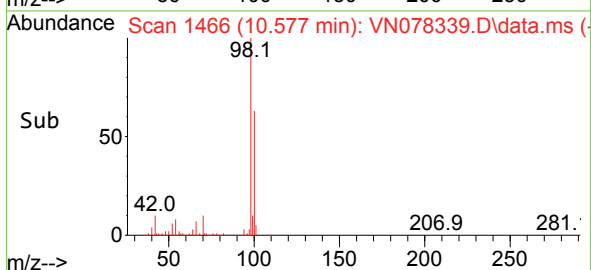
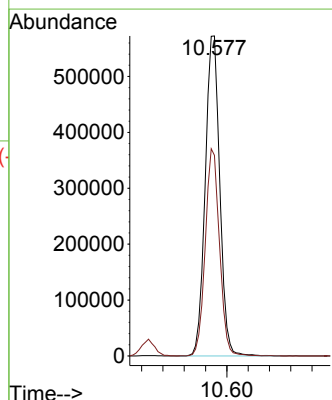
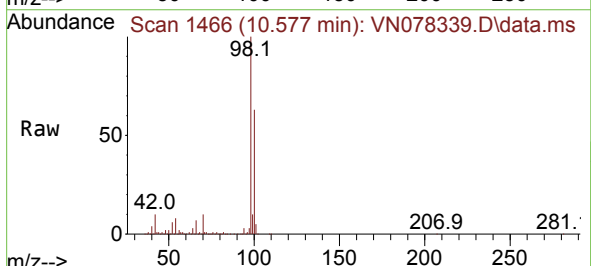
Acq: 21 Jun 2023 21:59

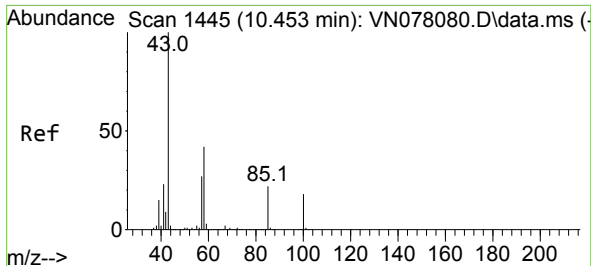
Tgt Ion: 98 Resp: 1085301

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0

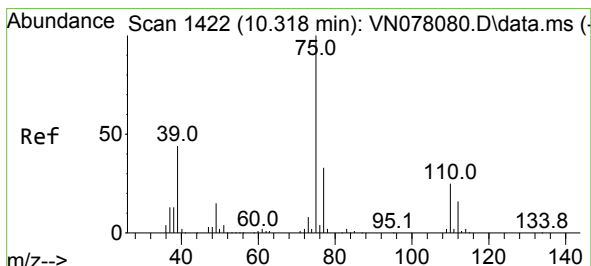
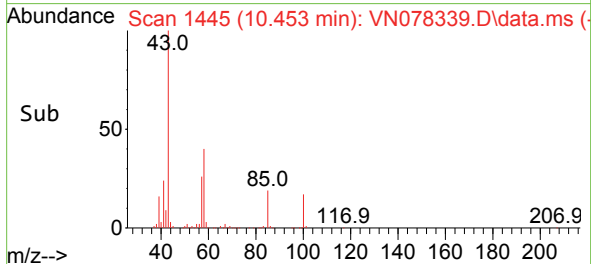
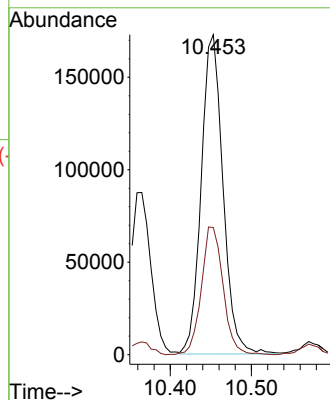
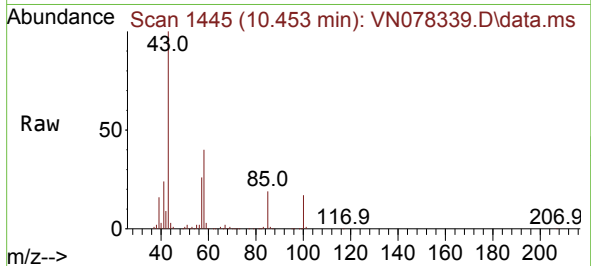




#51
4-Methyl-2-Pentanone
Concen: 49.772 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

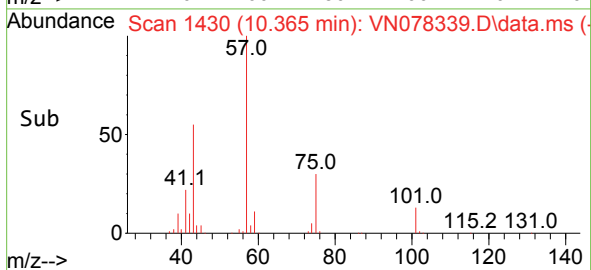
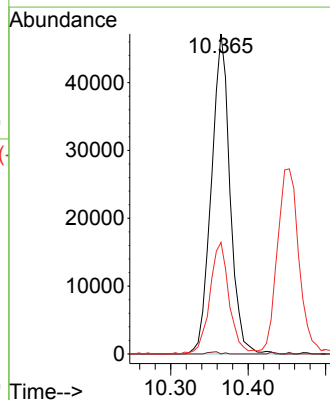
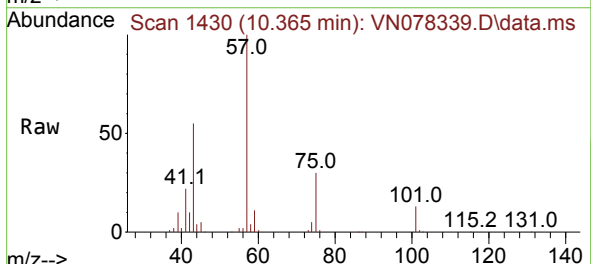
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

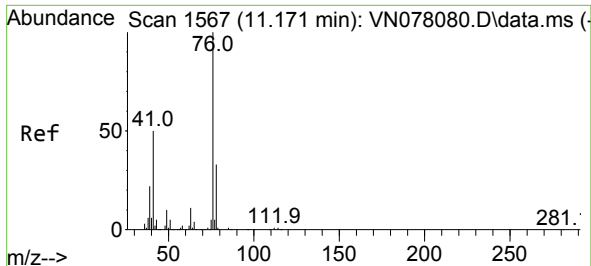
Tgt Ion: 43 Resp: 321794
Ion Ratio Lower Upper
43 100
58 40.0 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 8.218 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 75 Resp: 79014
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.2 31.6 47.4





#57

1,3-Dichloropropane

Concen: 0.392 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.041 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Instrument :

MSVOA_N

ClientSampleId :

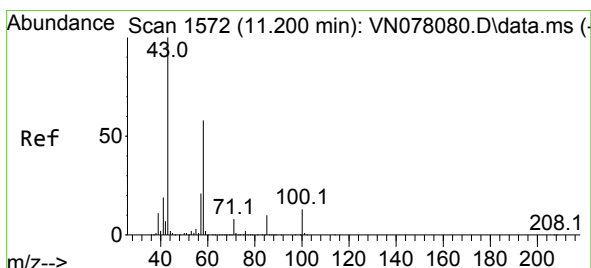
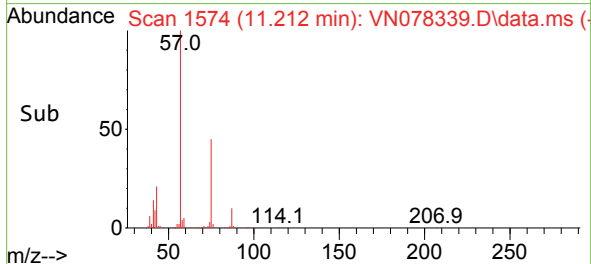
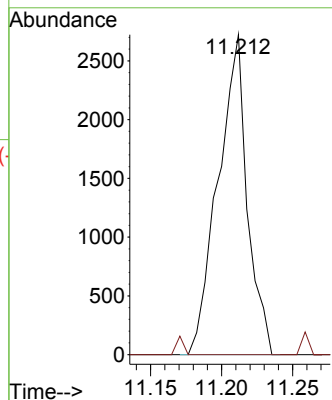
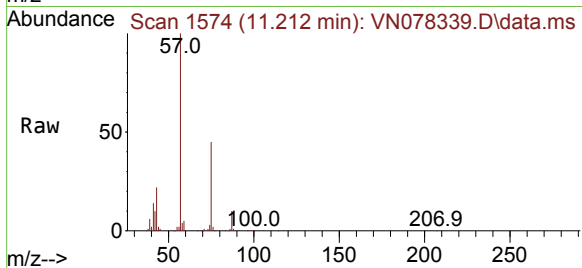
WC-SCAN-02-G

Tgt Ion: 76 Resp: 3879

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 61.554 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN078339.D

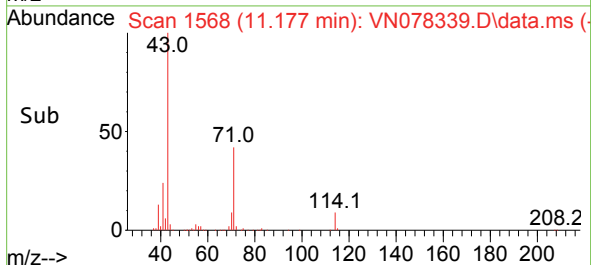
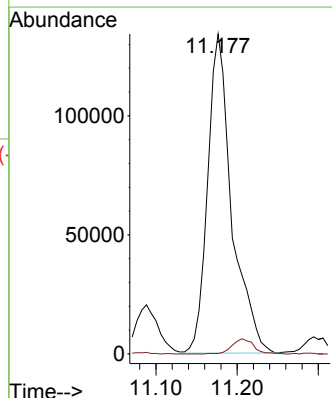
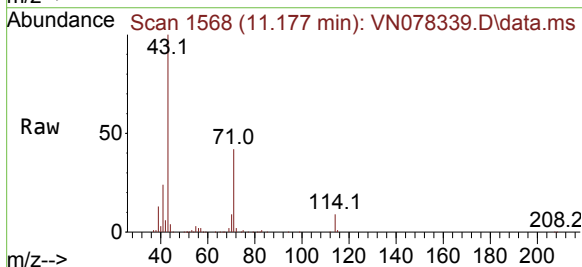
Acq: 21 Jun 2023 21:59

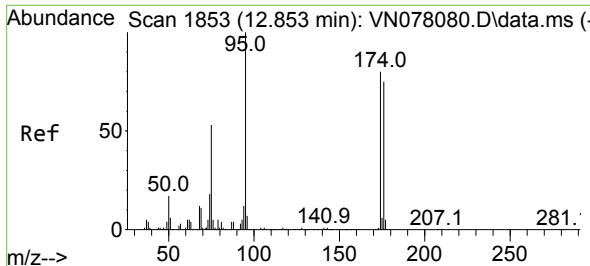
Tgt Ion: 43 Resp: 277099

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

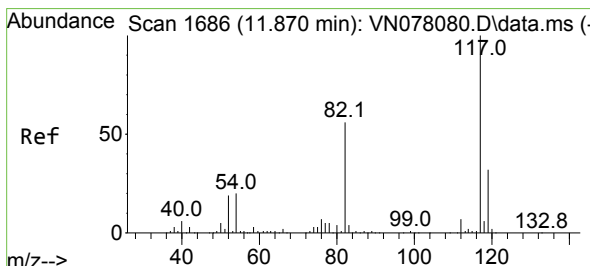
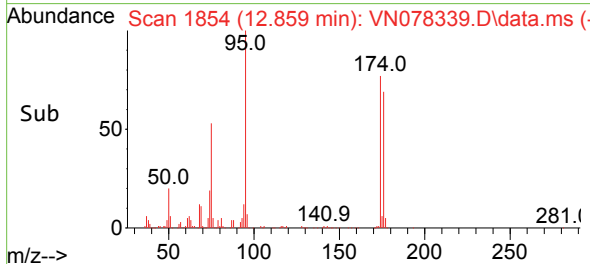
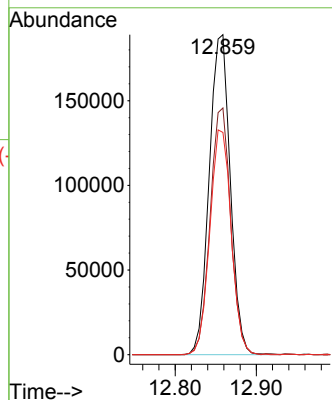
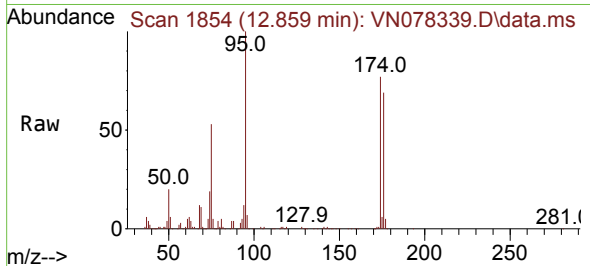




#62
4-Bromofluorobenzene
Concen: 49.493 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

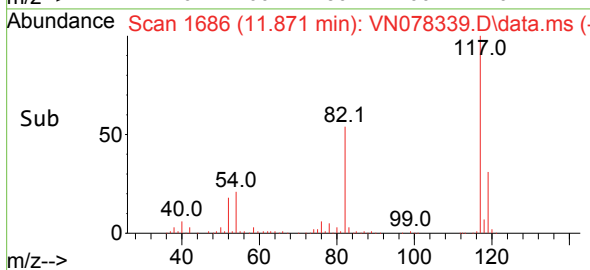
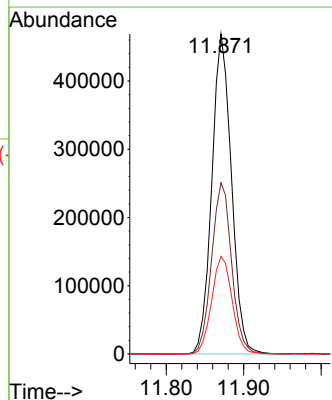
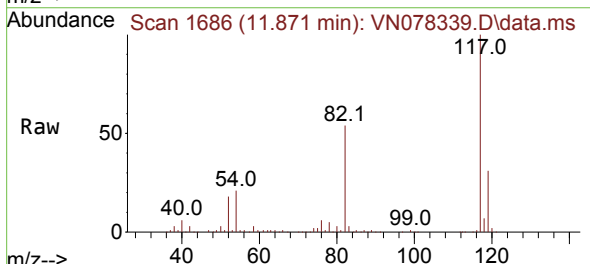
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

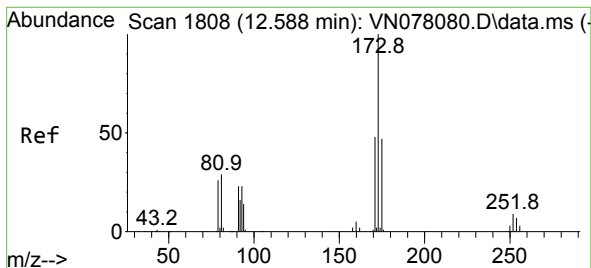
Tgt Ion: 95 Resp: 339832
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 71.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion: 117 Resp: 826698
Ion Ratio Lower Upper
117 100
82 53.5 44.0 66.0
119 30.5 25.6 38.4





#71

Bromoform

Concen: 0.593 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Instrument :

MSVOA_N

ClientSampleId :

WC-SCAN-02-G

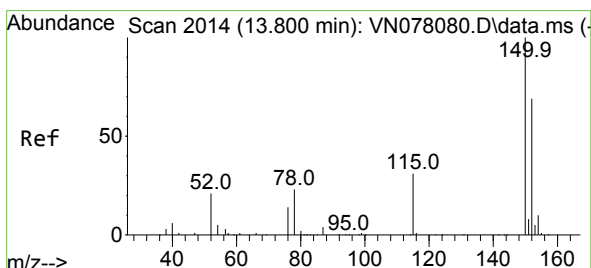
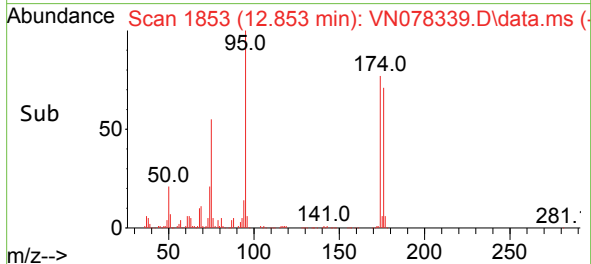
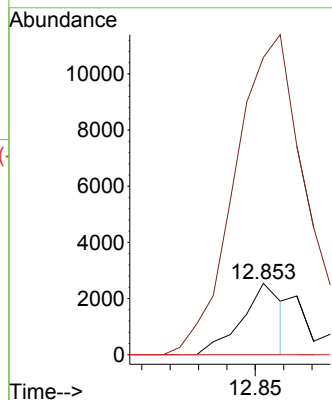
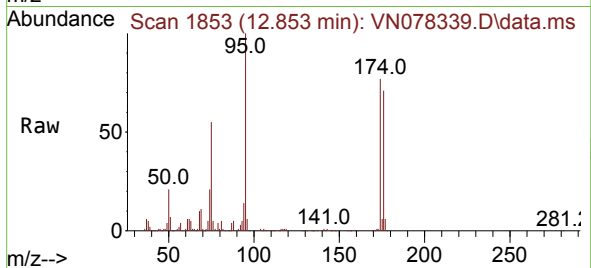
Tgt Ion:173 Resp: 2494

Ion Ratio Lower Upper

173 100

175 669.6 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

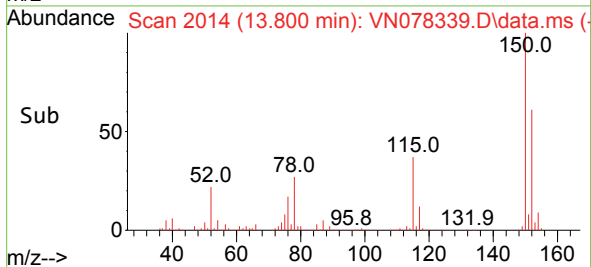
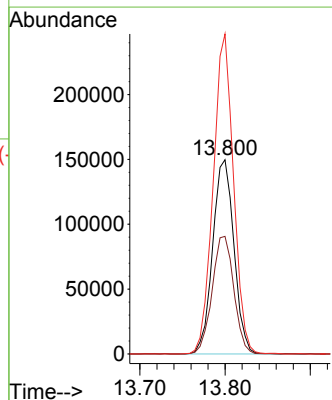
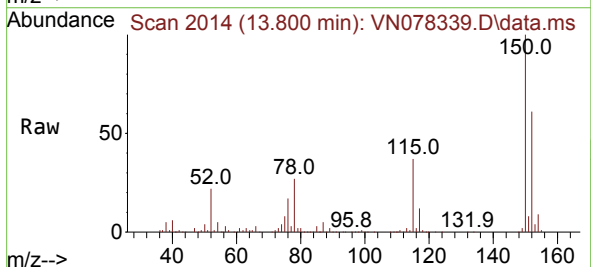
Tgt Ion:152 Resp: 259522

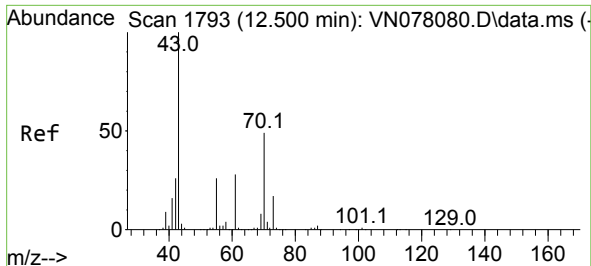
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 157.4 0.0 355.8

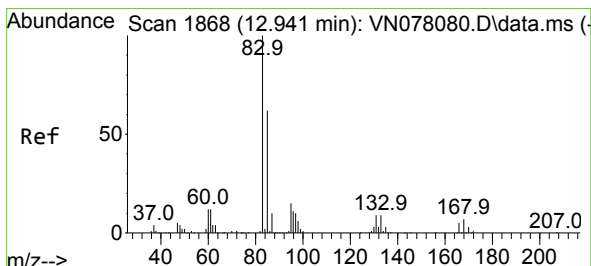
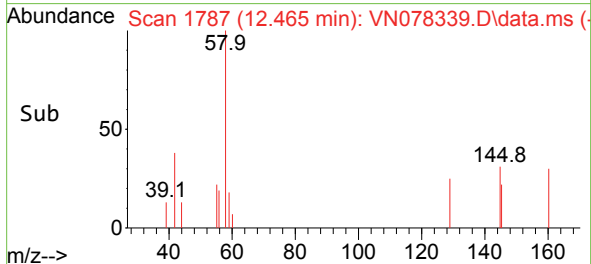
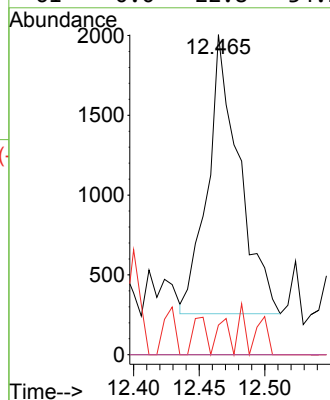
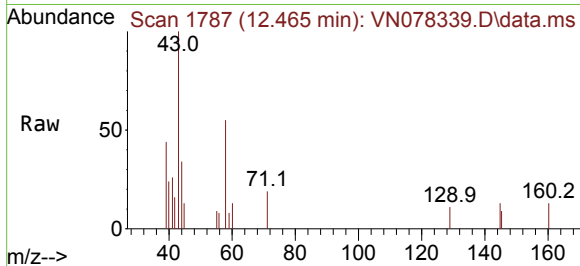




#74
N-amy1 acetate
Concen: 0.361 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

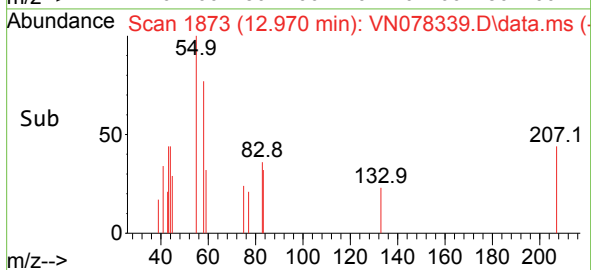
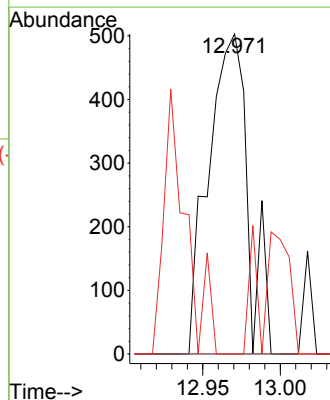
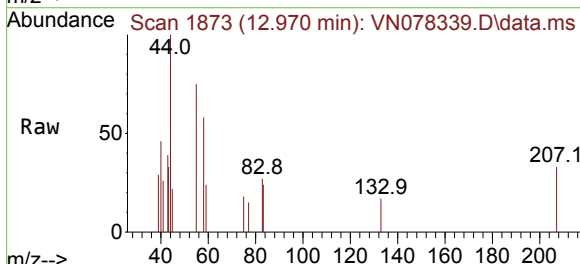
Instrument :
MSVOA_N
ClientSampleId :
WC-SCAN-02-G

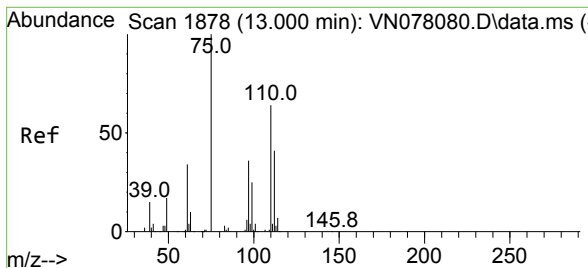
Tgt Ion:	43	Resp:	2919
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	5.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.970 min Scan# 1873
Delta R.T. 0.029 min
Lab File: VN078339.D
Acq: 21 Jun 2023 21:59

Tgt Ion:	83	Resp:	893
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	28.7	31.9	95.7#





#76

1,2,3-Trichloropropane

Concen: 30.164 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Instrument :

MSVOA_N

ClientSampleId :

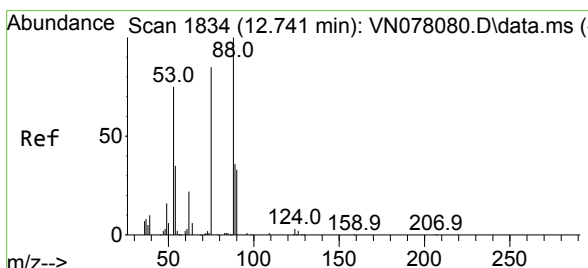
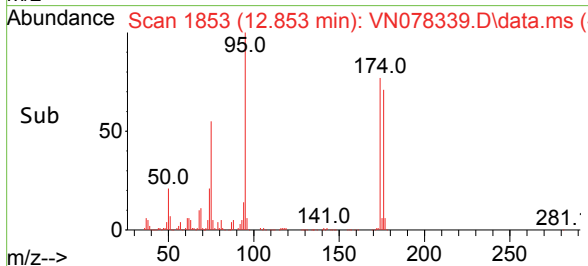
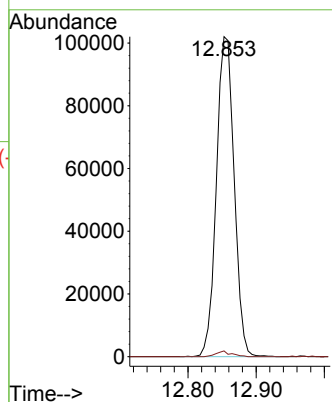
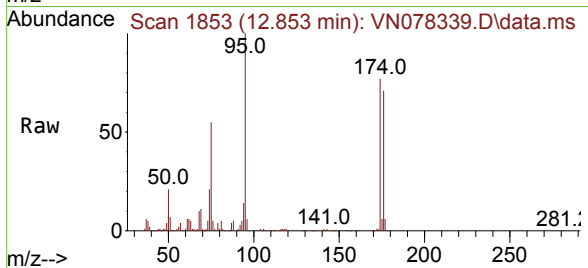
WC-SCAN-02-G

Tgt Ion: 75 Resp: 185062

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.673 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078339.D

Acq: 21 Jun 2023 21:59

Tgt Ion: 75 Resp: 185062

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

