

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079152.D
 Acq On : 02 Sep 2023 18:47
 Operator : JC\MD
 Sample : 04256-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8R-4R-9

Quant Time: Sep 04 01:08:40 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)

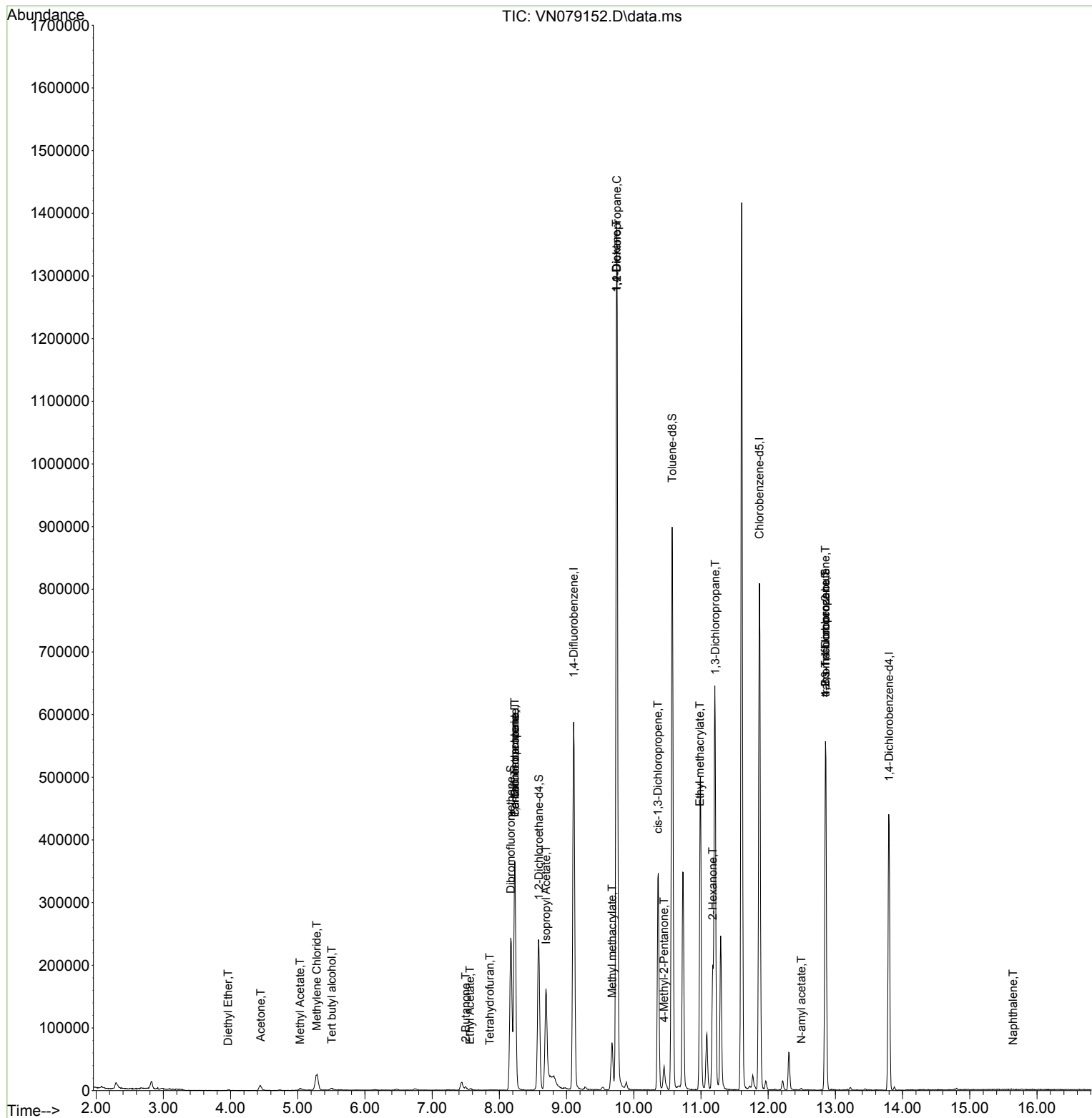
Internal Standards						
1) Pentafluorobenzene	8.230	168	265144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	506003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	485842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	123878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199162	48.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.540%
35) Dibromofluoromethane	8.171	113	176126	51.708	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.420%
50) Toluene-d8	10.571	98	626245	49.516	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.853	95	197008	47.657	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.320%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.965	74	735	0.353	ug/l #	55
11) Tert butyl alcohol	5.506	59	2490	3.597	ug/l #	72
16) Acetone	4.448	43	15108	8.875	ug/l #	83
18) Methyl Acetate	5.036	43	2568	0.357	ug/l	98
20) Methylene Chloride	5.283	84	20102	5.541	ug/l	91
25) 2-Butanone	7.500	43	8755	3.208	ug/l #	83
29) Tetrahydrofuran	7.859	42	415	0.230	ug/l #	32
31) Cyclohexane	8.236	56	6186	Below Cal	#	34
36) 1,1-Dichloropropene	8.230	75	22170	4.327	ug/l #	46
37) Ethyl Acetate	7.565	43	4225	0.737	ug/l #	78
38) Carbon Tetrachloride	8.230	117	27494	5.355	ug/l #	16
43) Isopropyl Acetate	8.694	43	192569	19.005	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	1558	0.386	ug/l #	45
48) Methyl methacrylate	9.677	41	4556	0.992	ug/l #	25
49) 1,4-Dioxane	9.741	88	117	1.496	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	32311	5.377	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	63105	9.894	ug/l #	64
56) Ethyl methacrylate	10.982	69	2633	0.456	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	6327	0.949	ug/l #	42
59) 2-Hexanone	11.177	43	158164	36.336	ug/l #	19
74) N-amyl acetate	12.494	43	2134	0.409	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	103425	34.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103425	88.515	ug/l #	15
95) Naphthalene	15.647	128	357	2.634	ug/l #	70

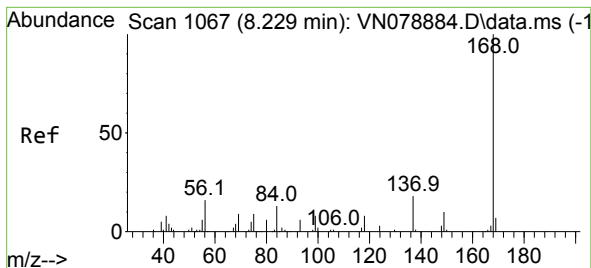
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

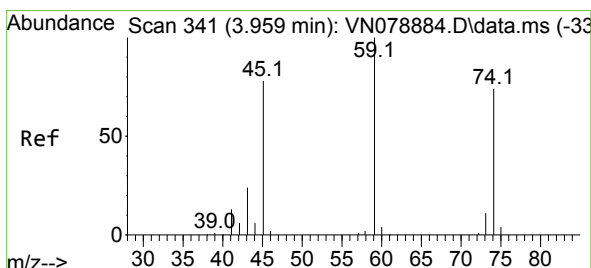
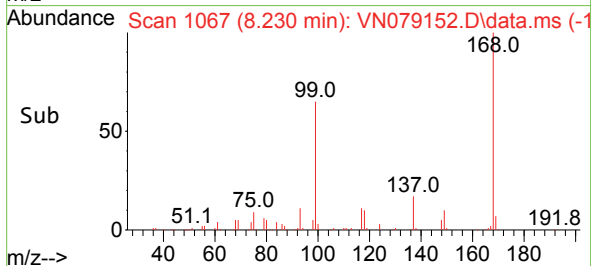
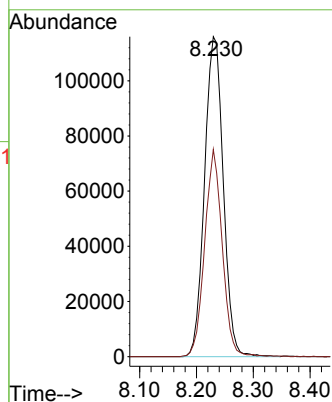
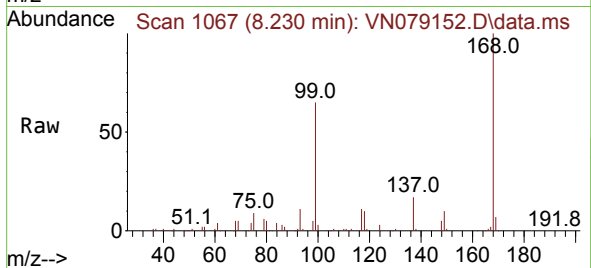
MW-8R-4R-9

Tgt Ion:168 Resp: 265144

Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



#8

Diethyl Ether

Concen: 0.353 ug/l

RT: 3.965 min Scan# 342

Delta R.T. -0.006 min

Lab File: VN079152.D

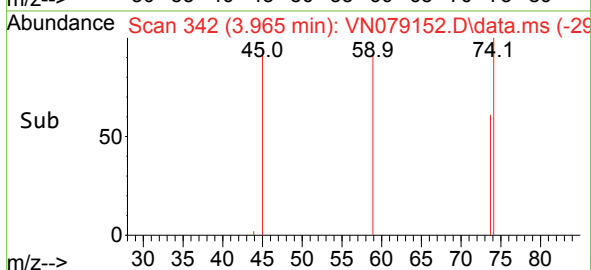
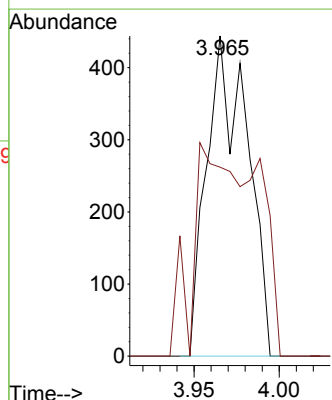
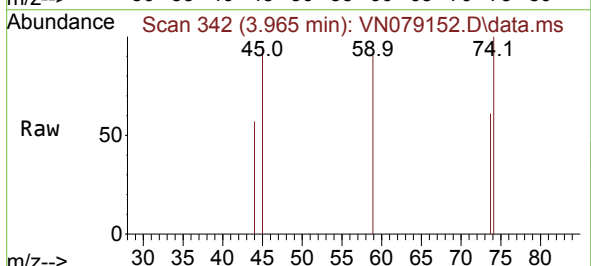
Acq: 02 Sep 2023 18:47

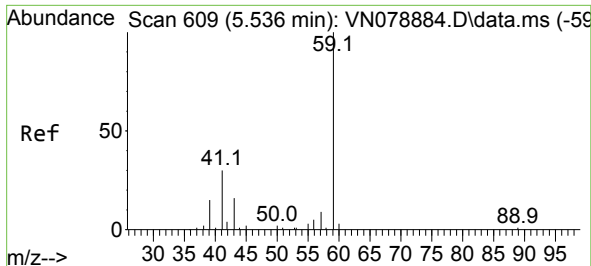
Tgt Ion: 74 Resp: 735

Ion Ratio Lower Upper

74 100

45 105.4 34.4 103.3#

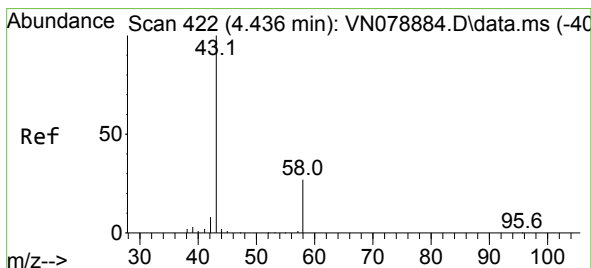
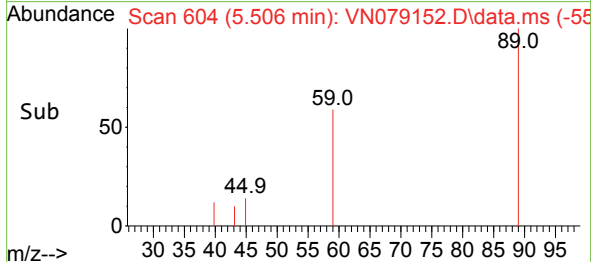
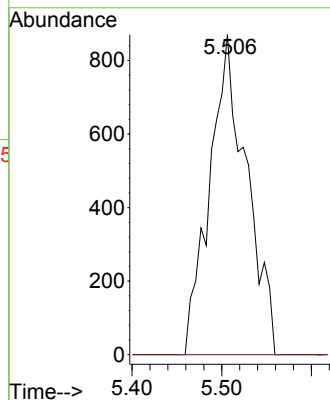
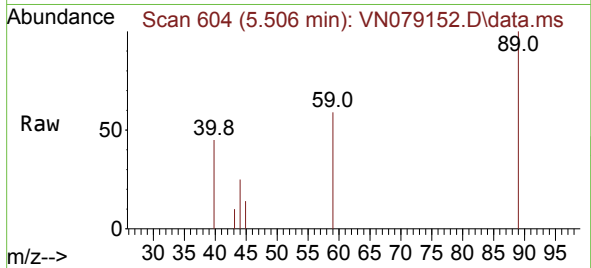




#11
Tert butyl alcohol
Concen: 3.597 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.036 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

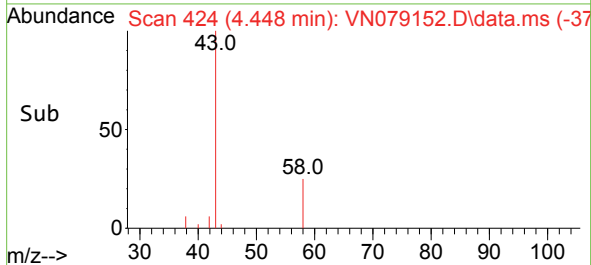
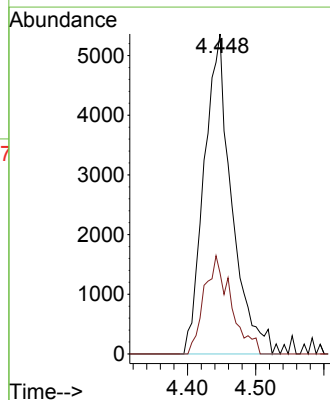
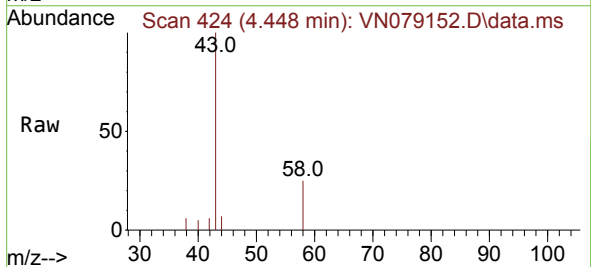
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

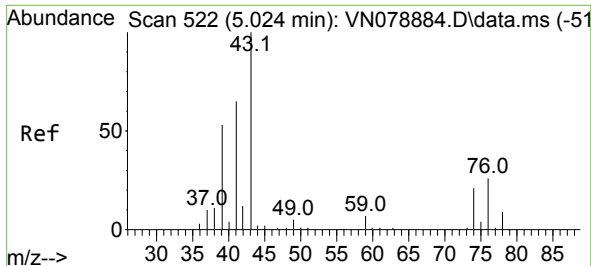
Tgt Ion: 59 Resp: 2490
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 8.875 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 43 Resp: 15108
Ion Ratio Lower Upper
43 100
58 25.3 28.0 42.0#

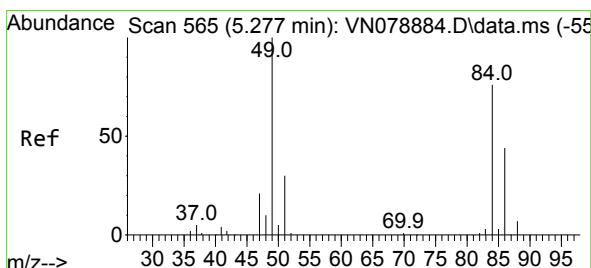
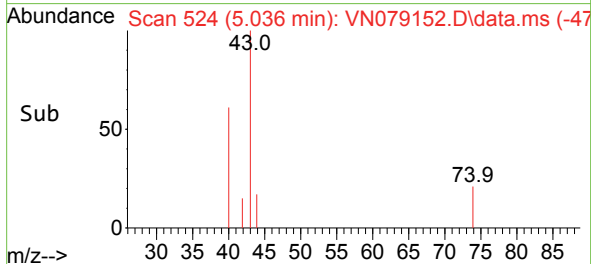
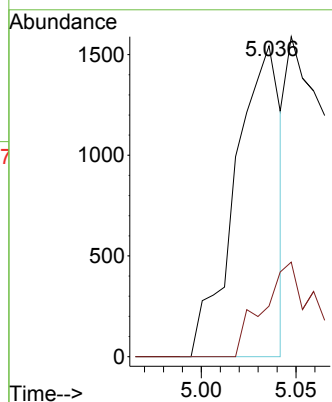
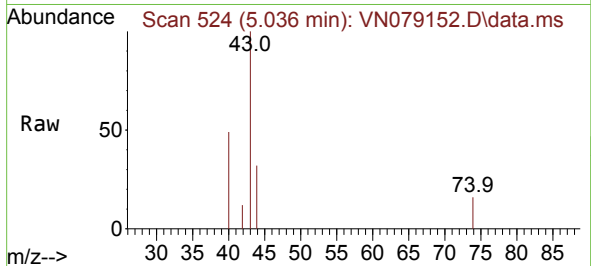




#18
Methyl Acetate
Concen: 0.357 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

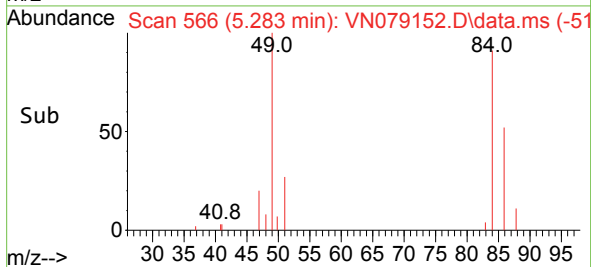
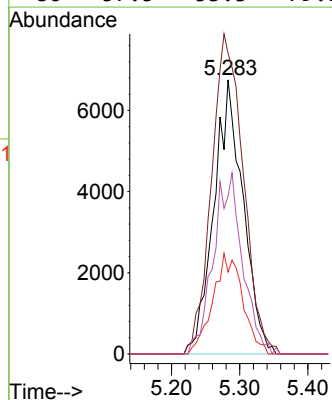
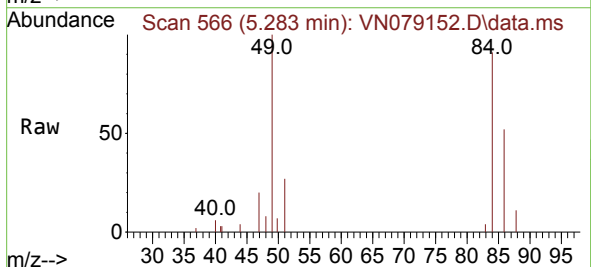
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

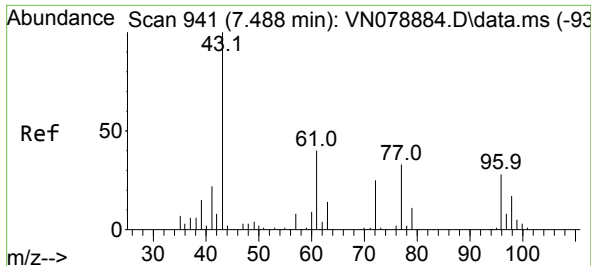
Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
74 31.7 26.2 39.4



#20
Methylene Chloride
Concen: 5.541 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 84 Resp: 20102
Ion Ratio Lower Upper
84 100
49 109.7 79.7 119.5
51 29.9 25.2 37.8
86 57.5 53.3 79.9





#25

2-Butanone

Concen: 3.208 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

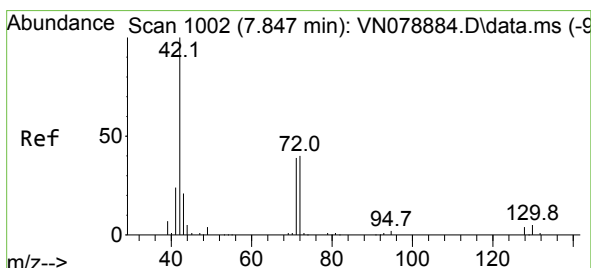
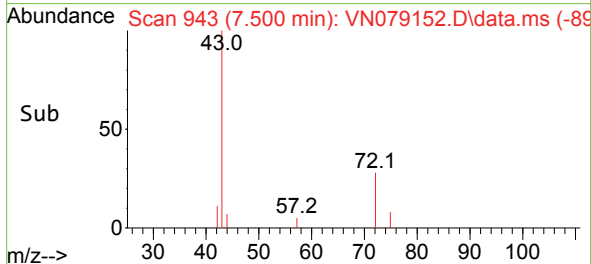
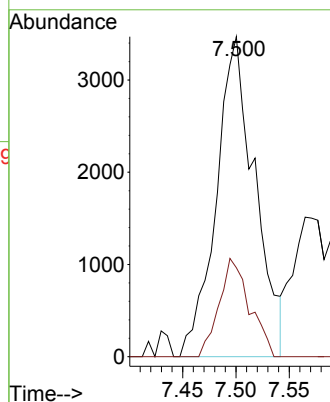
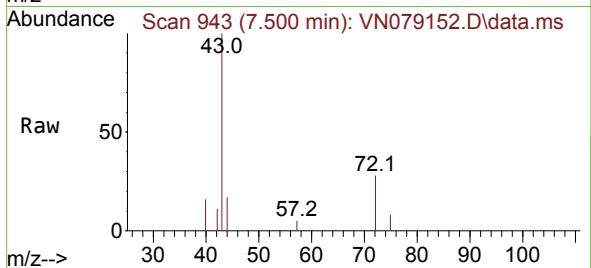
MW-8R-4R-9

Tgt Ion: 43 Resp: 8755

Ion Ratio Lower Upper

43 100

72 27.8 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

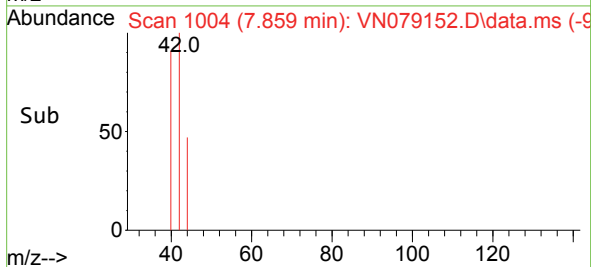
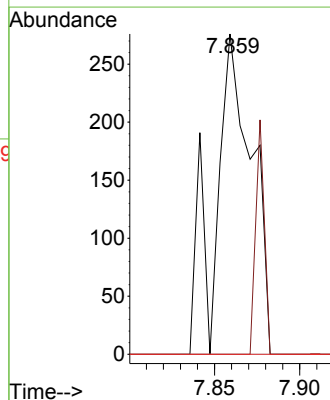
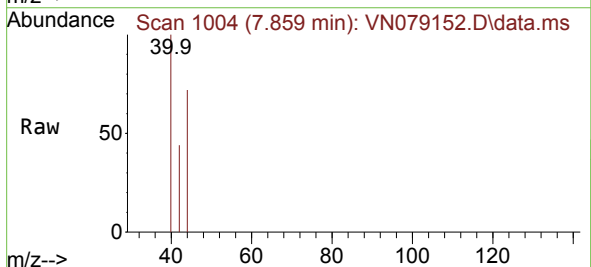
Tgt Ion: 42 Resp: 415

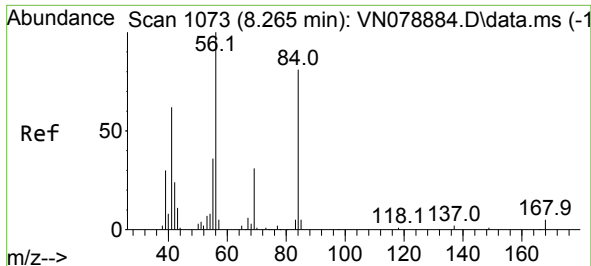
Ion Ratio Lower Upper

42 100

72 17.1 49.8 74.6#

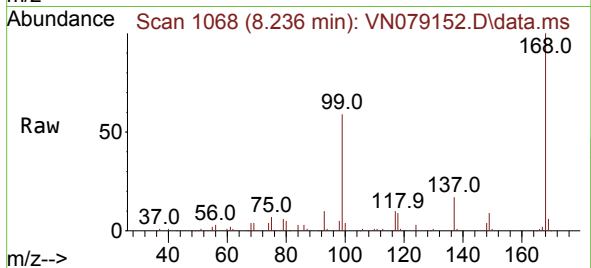
71 0.0 47.4 71.2#



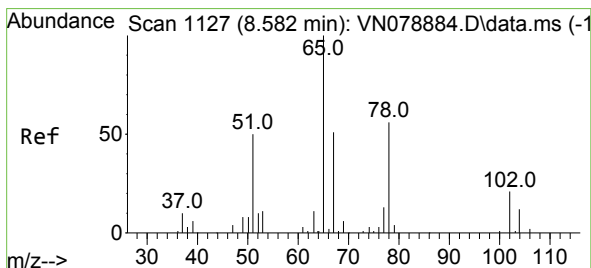
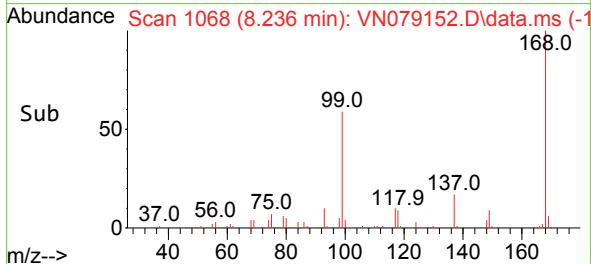
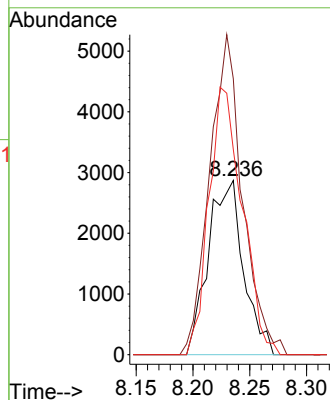


#31
Cyclohexane
Concen: Below Cal
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

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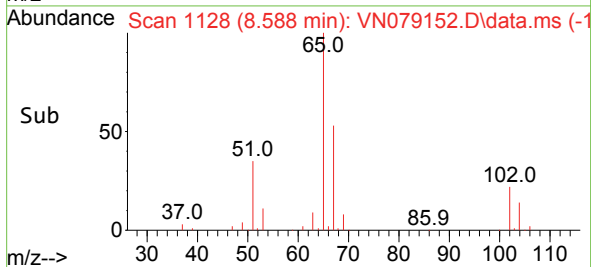
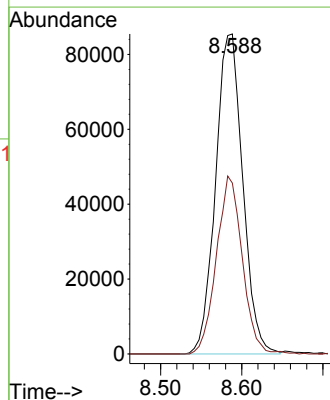
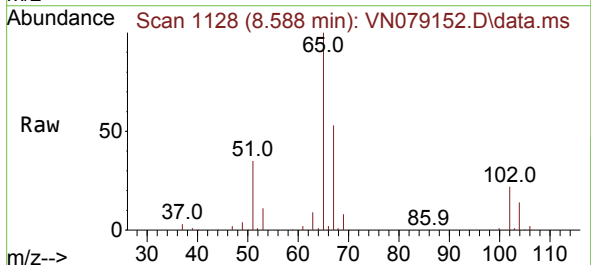


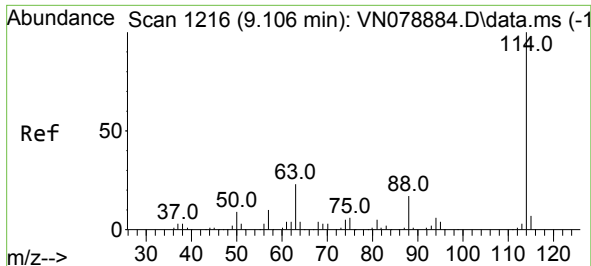
Tgt Ion: 56 Resp: 6186
Ion Ratio Lower Upper
56 100
69 158.3 26.8 40.2#
84 117.7 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.272 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 65 Resp: 199162
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

MW-8R-4R-9

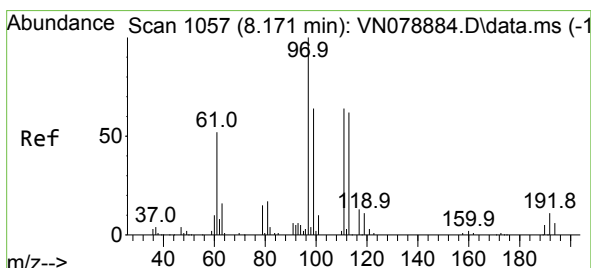
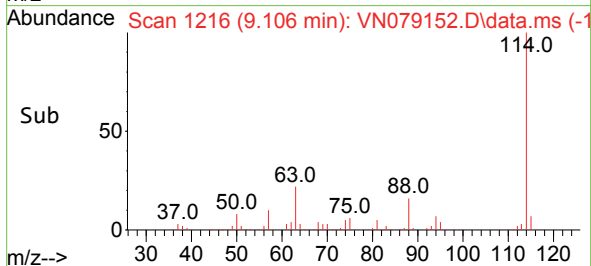
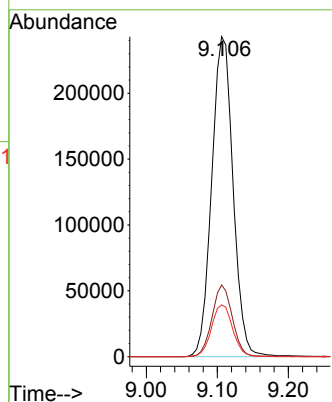
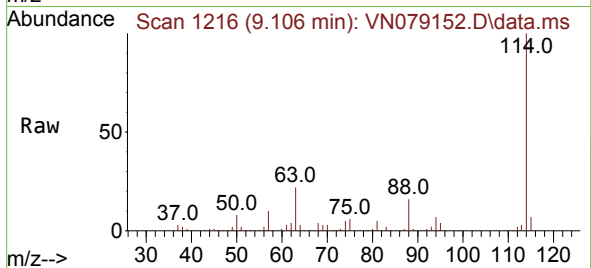
Tgt Ion:114 Resp: 506003

Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.708 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

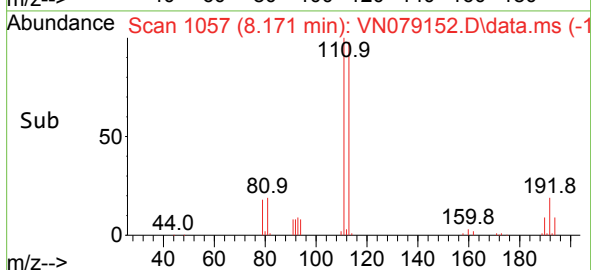
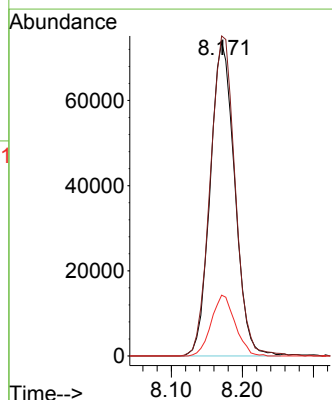
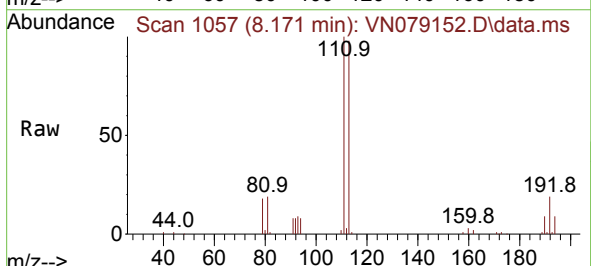
Tgt Ion:113 Resp: 176126

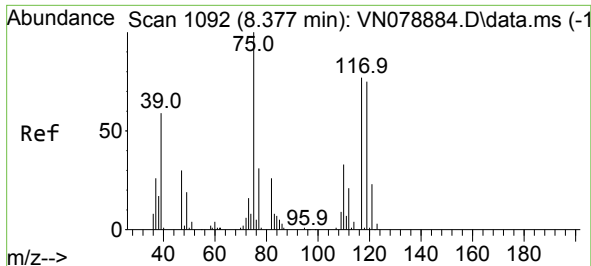
Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 18.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN079152.D

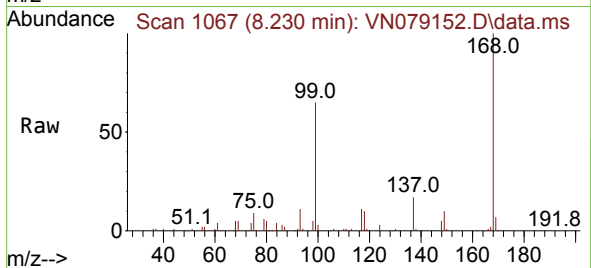
Acq: 02 Sep 2023 18:47

Instrument :

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MW-8R-4R-9



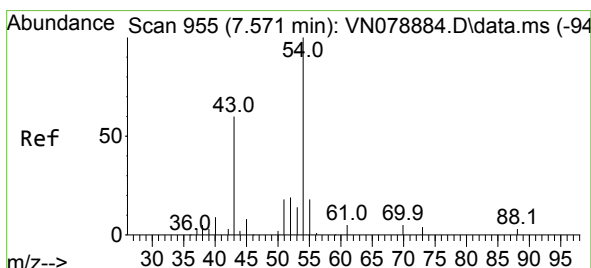
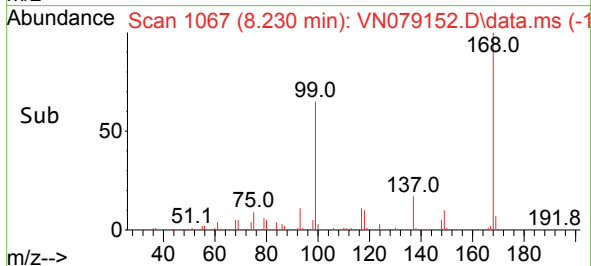
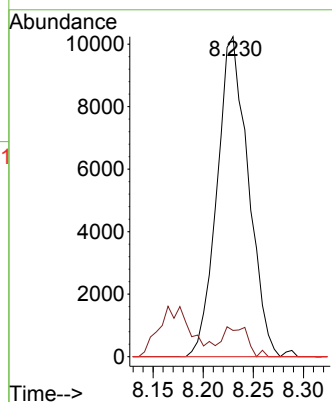
Tgt Ion: 75 Resp: 22170

Ion Ratio Lower Upper

75 100

110 7.4 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.737 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.006 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

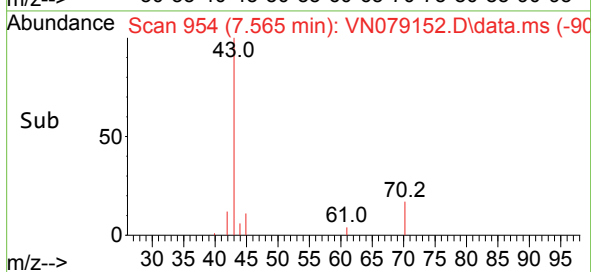
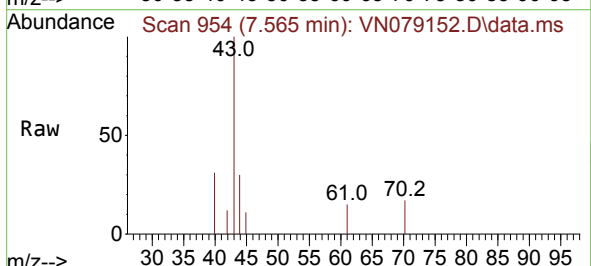
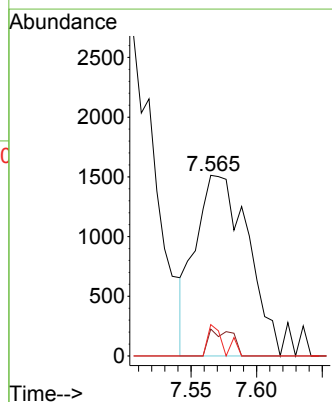
Tgt Ion: 43 Resp: 4225

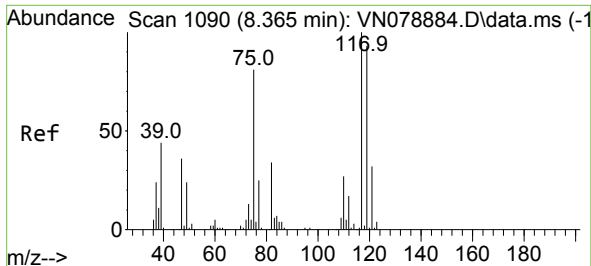
Ion Ratio Lower Upper

43 100

61 6.6 13.2 19.8#

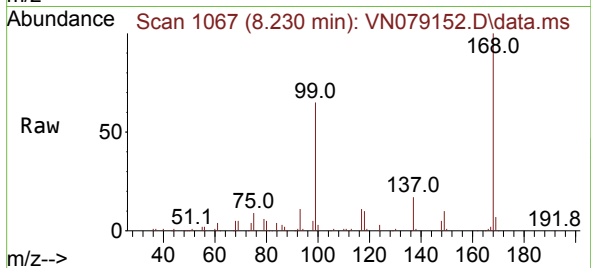
70 5.3 11.3 16.9#



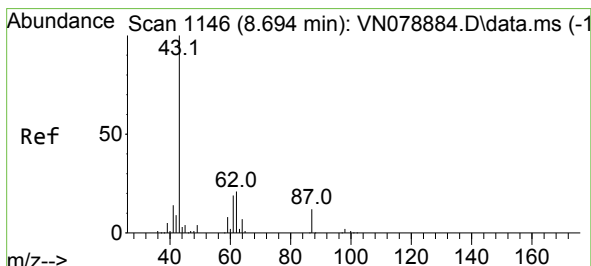
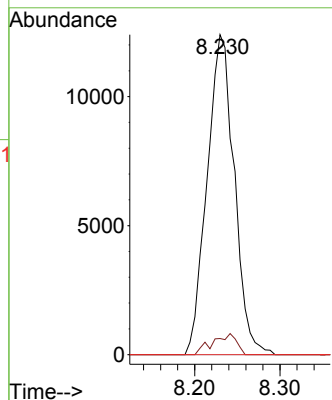
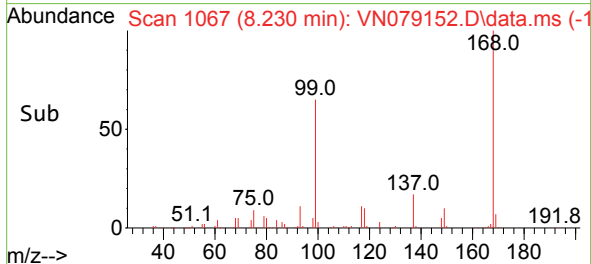


#38
Carbon Tetrachloride
Concen: 5.355 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.141 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

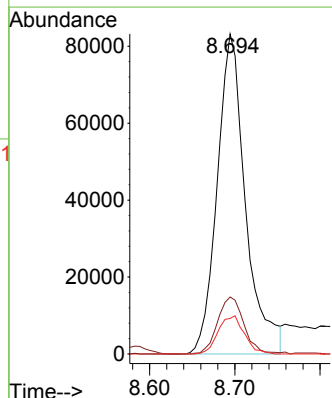
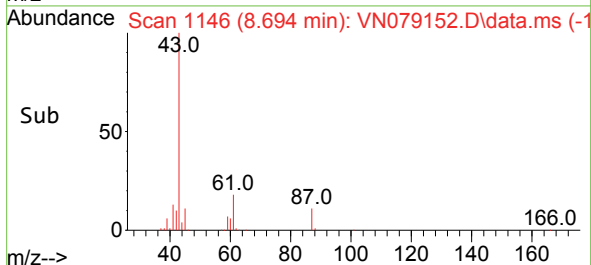
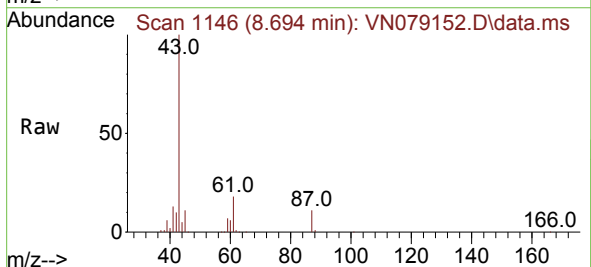


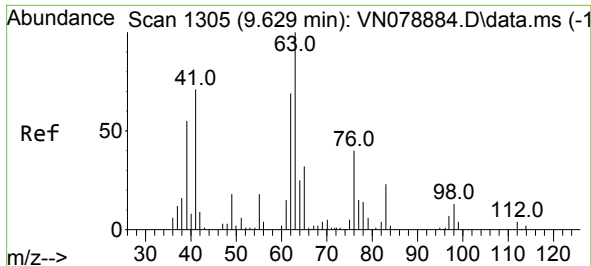
Tgt Ion:117 Resp: 27494
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 19.005 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 43 Resp: 192569
Ion Ratio Lower Upper
43 100
61 16.6 24.7 37.1#
87 10.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.386 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.123 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

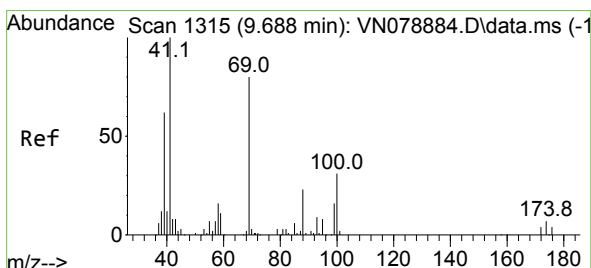
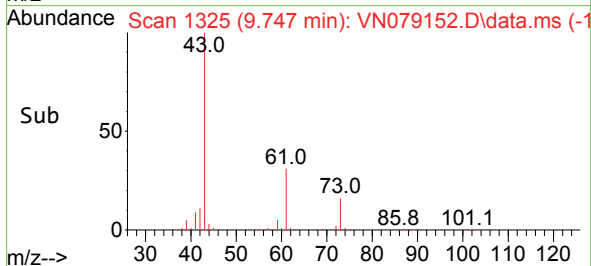
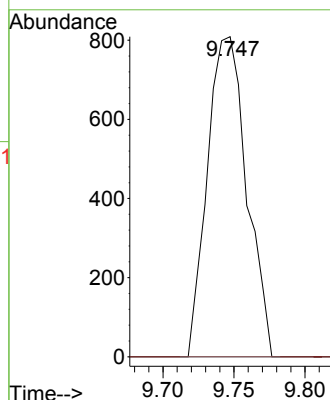
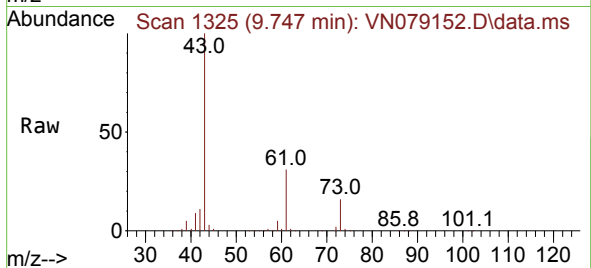
MW-8R-4R-9

Tgt Ion: 63 Resp: 1558

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 0.992 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.011 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

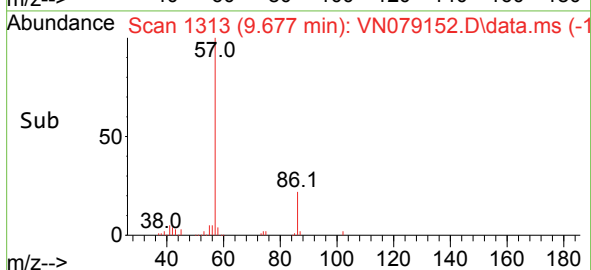
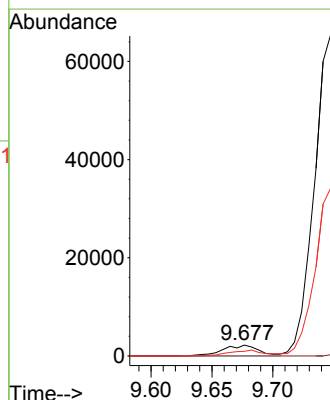
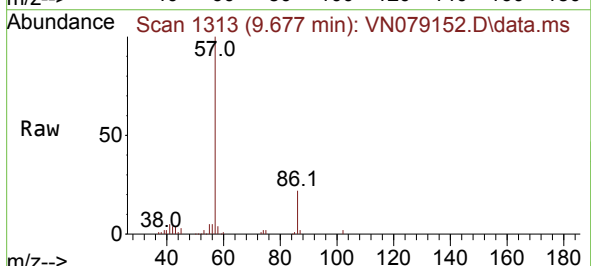
Tgt Ion: 41 Resp: 4556

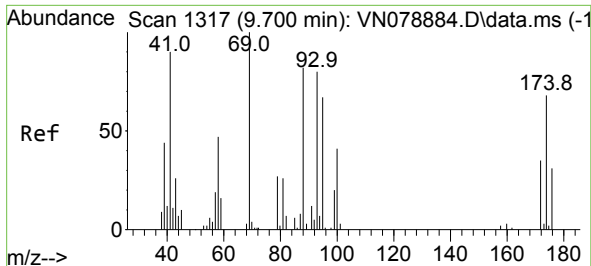
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 48.8 54.6 81.8#





#49

1,4-Dioxane

Concen: 1.496 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

MW-8R-4R-9

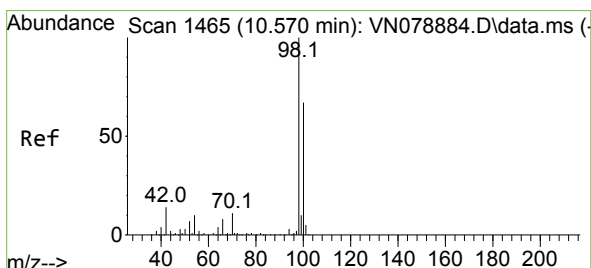
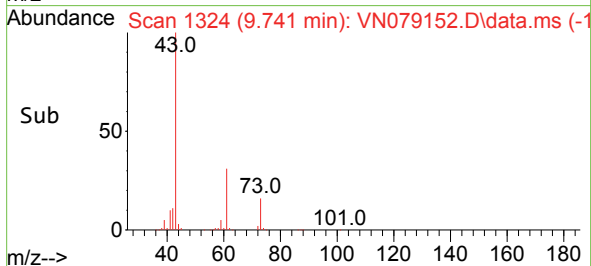
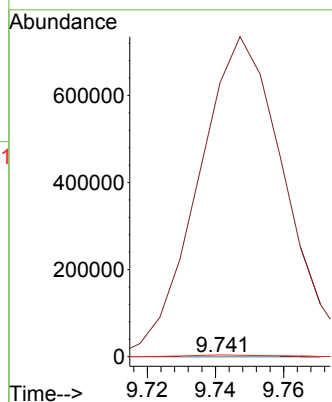
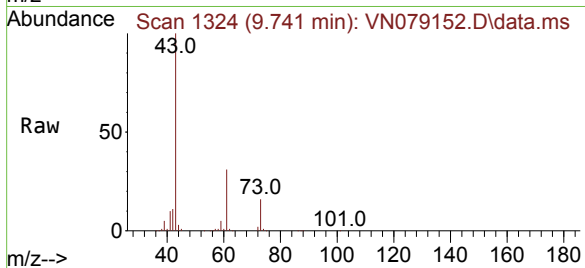
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 1129207.7 17.0 25.6#

58 6339.3 47.0 70.4#



#50

Toluene-d8

Concen: 49.516 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079152.D

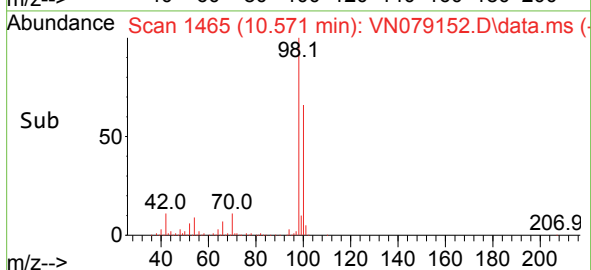
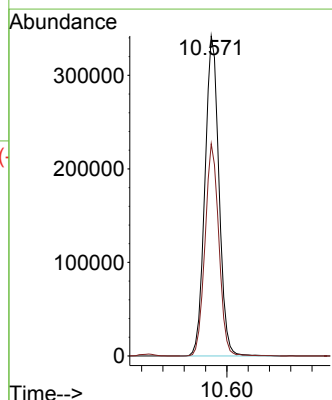
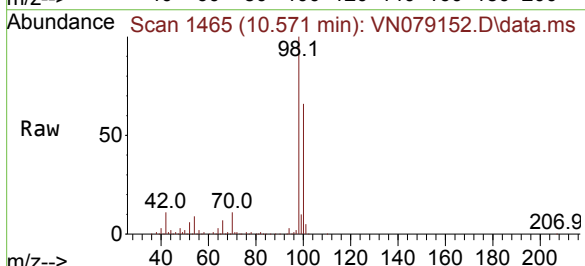
Acq: 02 Sep 2023 18:47

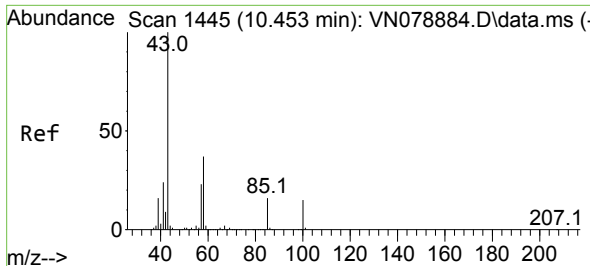
Tgt Ion: 98 Resp: 626245

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.377 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

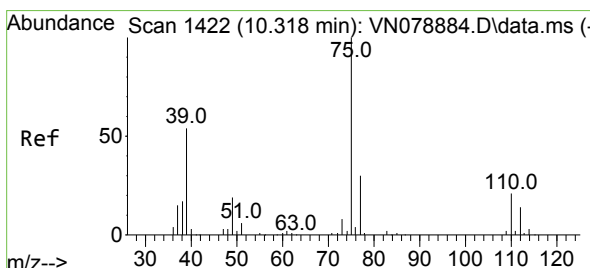
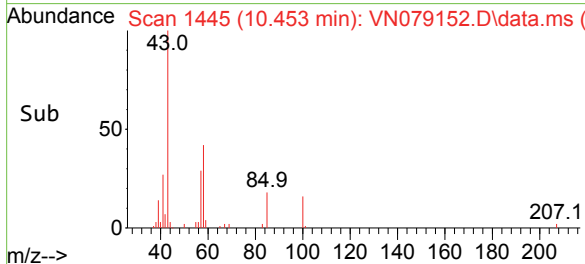
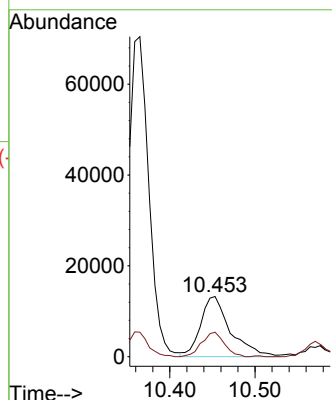
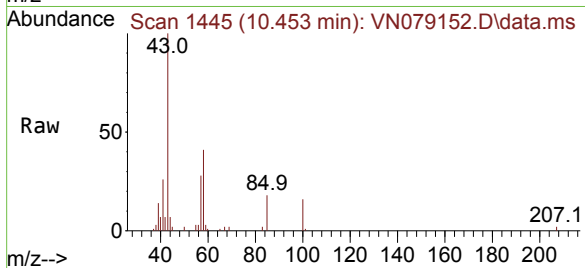
MW-8R-4R-9

Tgt Ion: 43 Resp: 32311

Ion Ratio Lower Upper

43 100

58 30.6 36.6 54.8#



#54

cis-1,3-Dichloropropene

Concen: 9.894 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.041 min

Lab File: VN079152.D

Acq: 02 Sep 2023 18:47

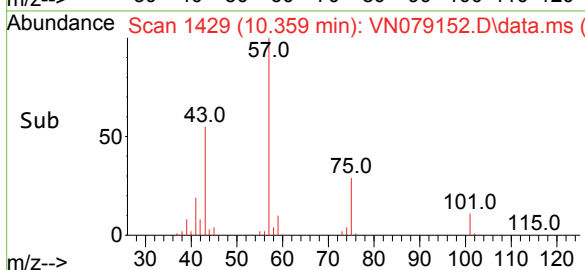
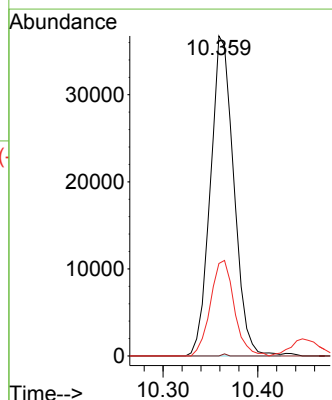
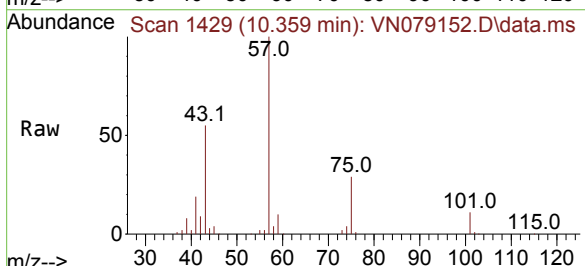
Tgt Ion: 75 Resp: 63105

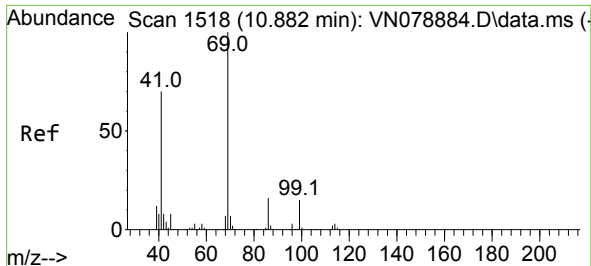
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

39 28.9 31.6 47.4#

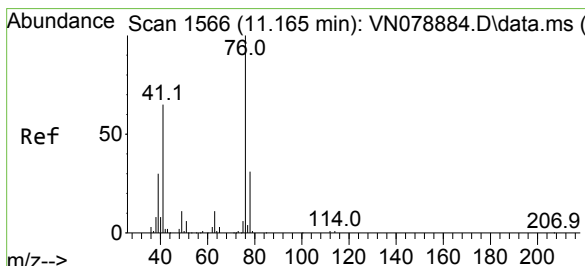
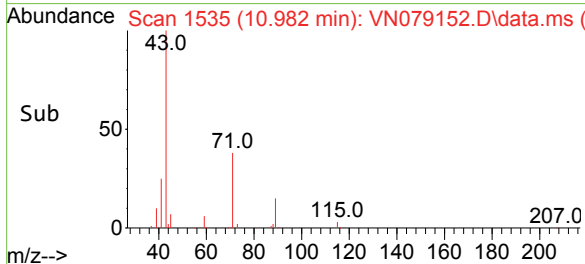
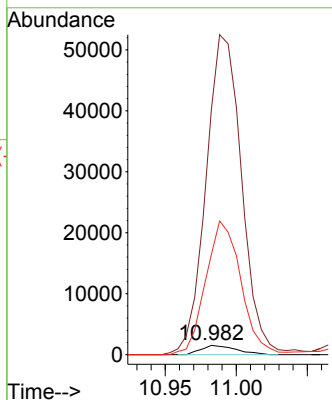
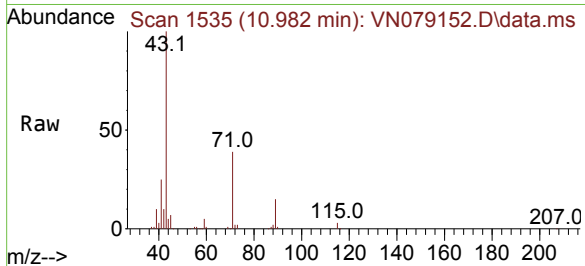




#56
Ethyl methacrylate
Concen: 0.456 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

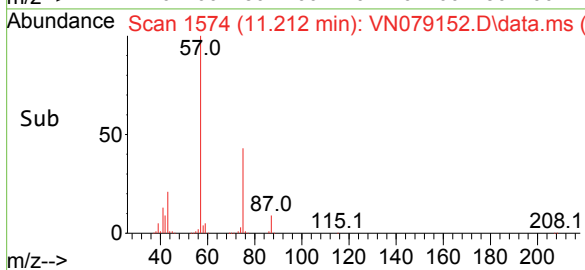
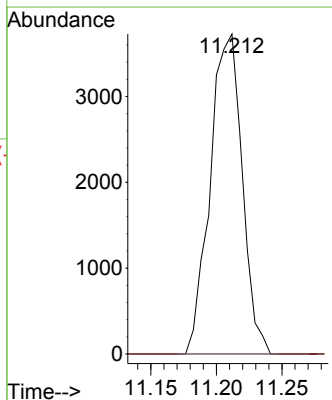
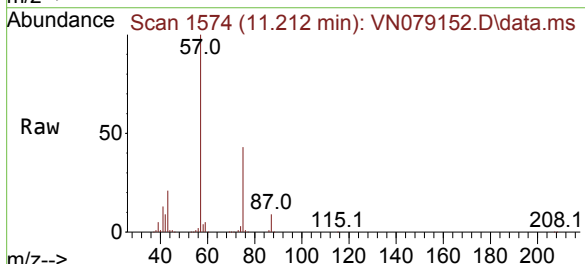
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

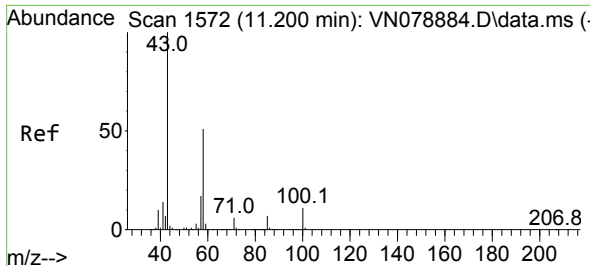
Tgt Ion: 69 Resp: 2633
Ion Ratio Lower Upper
69 100
41 3502.5 39.6 59.4#
39 1434.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.949 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 76 Resp: 6327
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

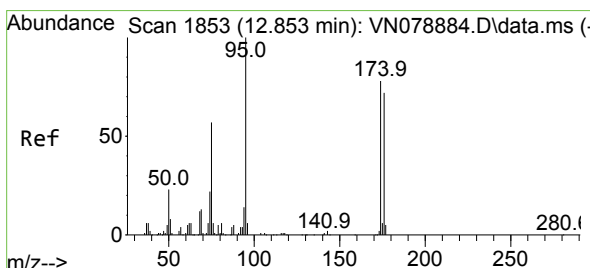
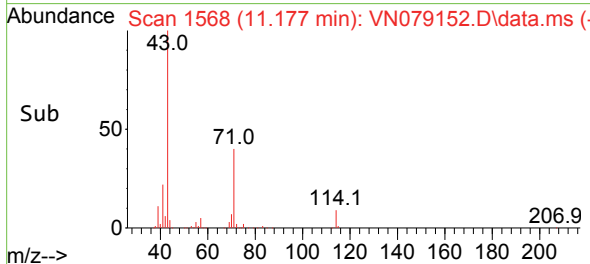
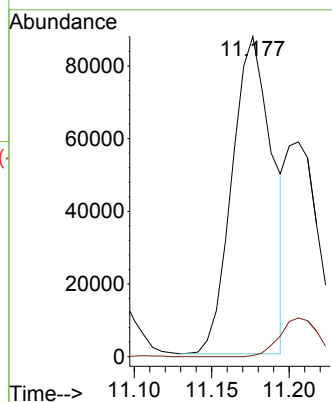
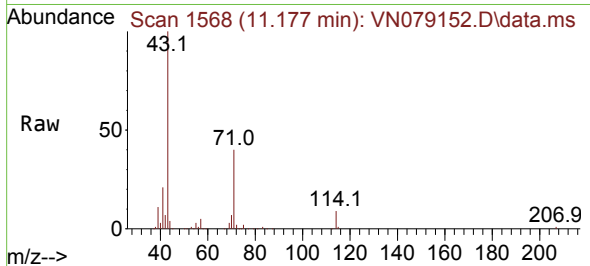




#59
2-Hexanone
Concen: 36.336 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

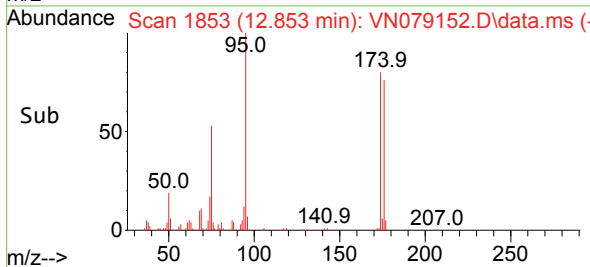
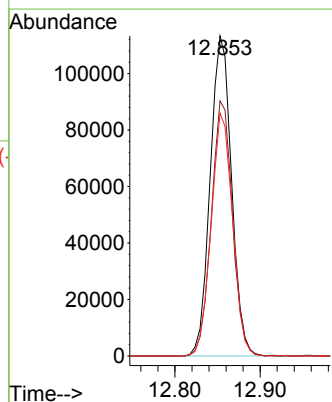
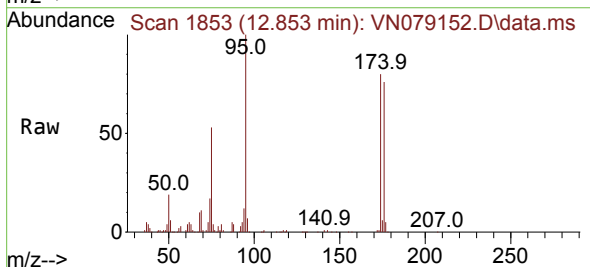
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

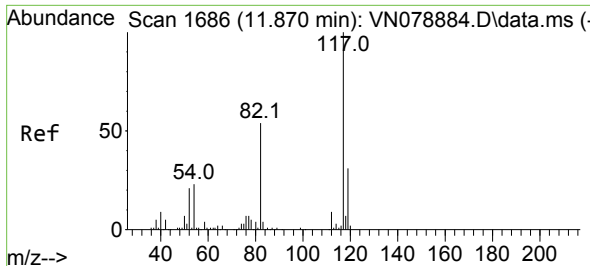
Tgt Ion: 43 Resp: 158164
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.657 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

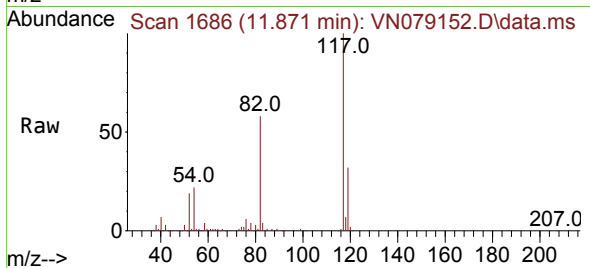
Tgt Ion: 95 Resp: 197008
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 75.9 0.0 135.8



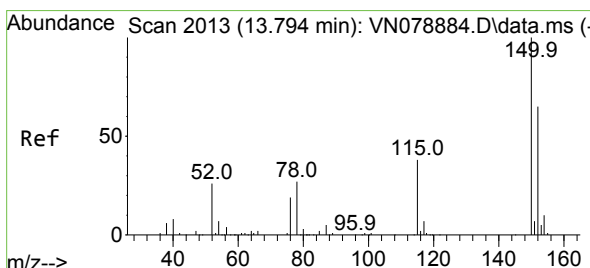
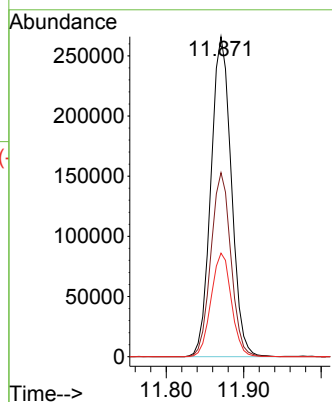
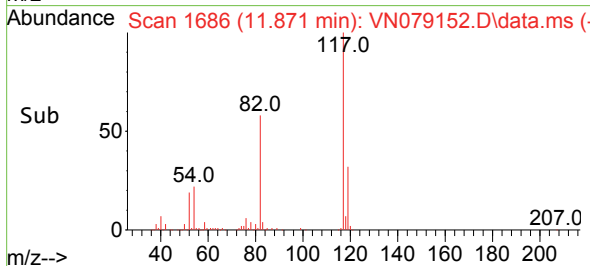


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

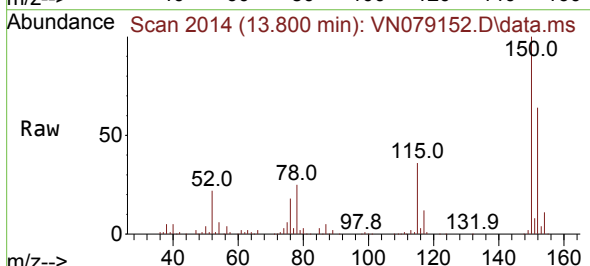
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9



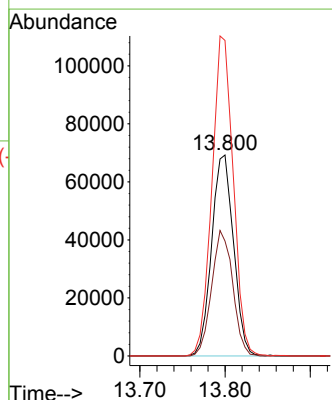
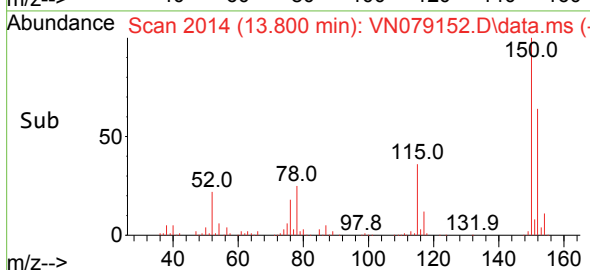
Tgt Ion:117 Resp: 485842
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 32.4 25.6 38.4

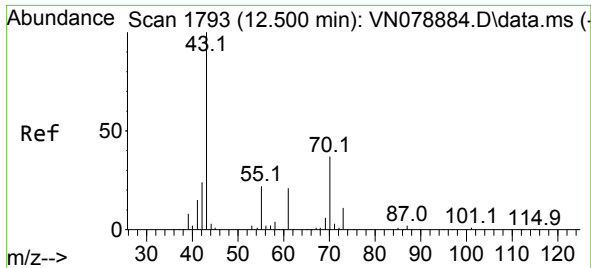


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47



Tgt Ion:152 Resp: 123878
Ion Ratio Lower Upper
152 100
115 60.0 32.3 96.8
150 154.8 0.0 355.8

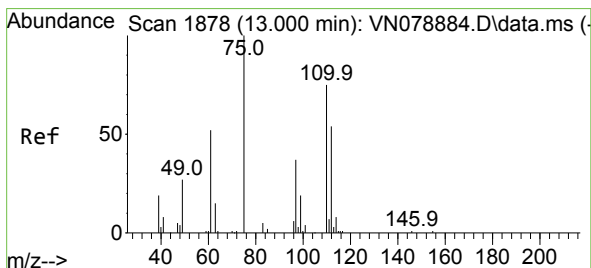
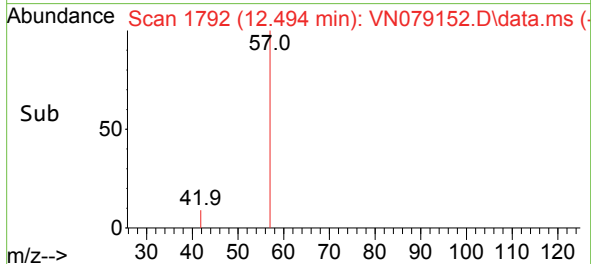
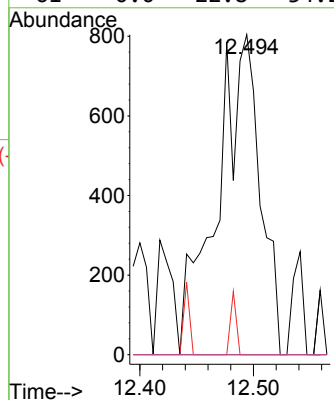
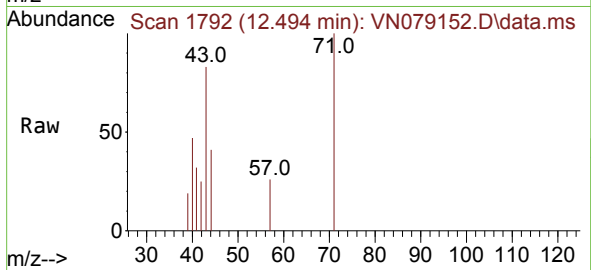




#74
N-amy1 acetate
Concen: 0.409 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

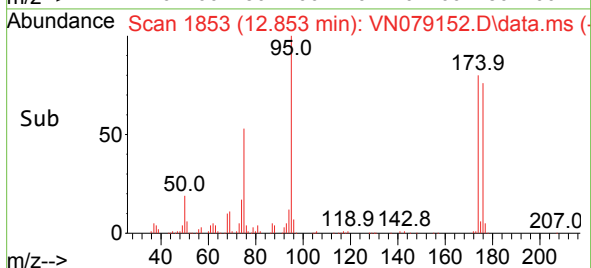
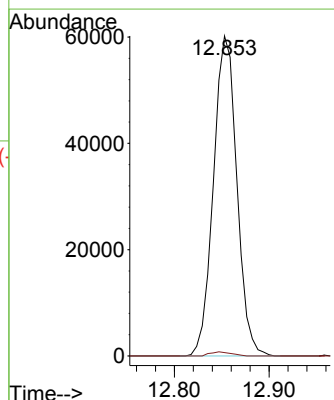
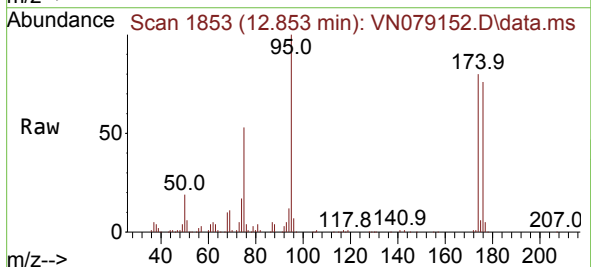
Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

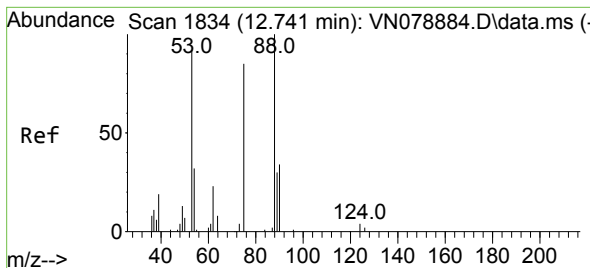
Tgt Ion: 43	Resp: 2134
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 2.6	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 34.650 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion: 75	Resp: 103425
Ion Ratio	Lower Upper
75 100	
77 1.2	84.5 253.5#

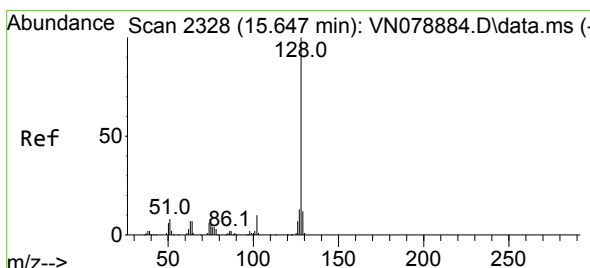
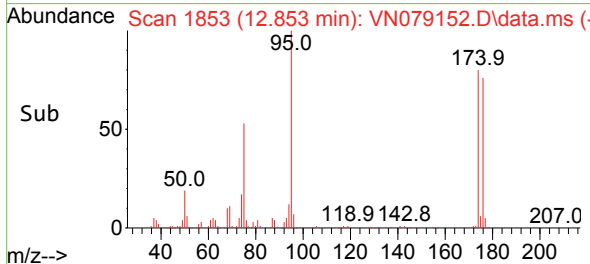
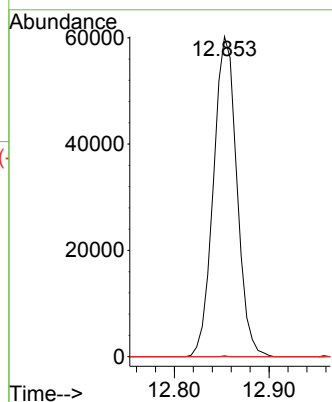
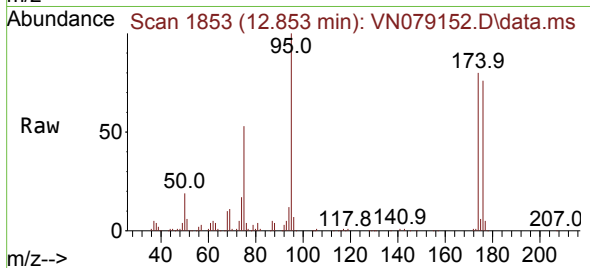




#81
trans-1,4-Dichloro-2-butene
Concen: 88.515 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :
MW-8R-4R-9

Tgt Ion: 75 Resp: 103425
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.634 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079152.D
Acq: 02 Sep 2023 18:47

Tgt Ion:128 Resp: 357
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

