

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071764.D
 Acq On : 01 Apr 2022 19:45
 Operator : JC\MD
 Sample : N2090-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-59

Quant Time: Apr 02 00:57:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

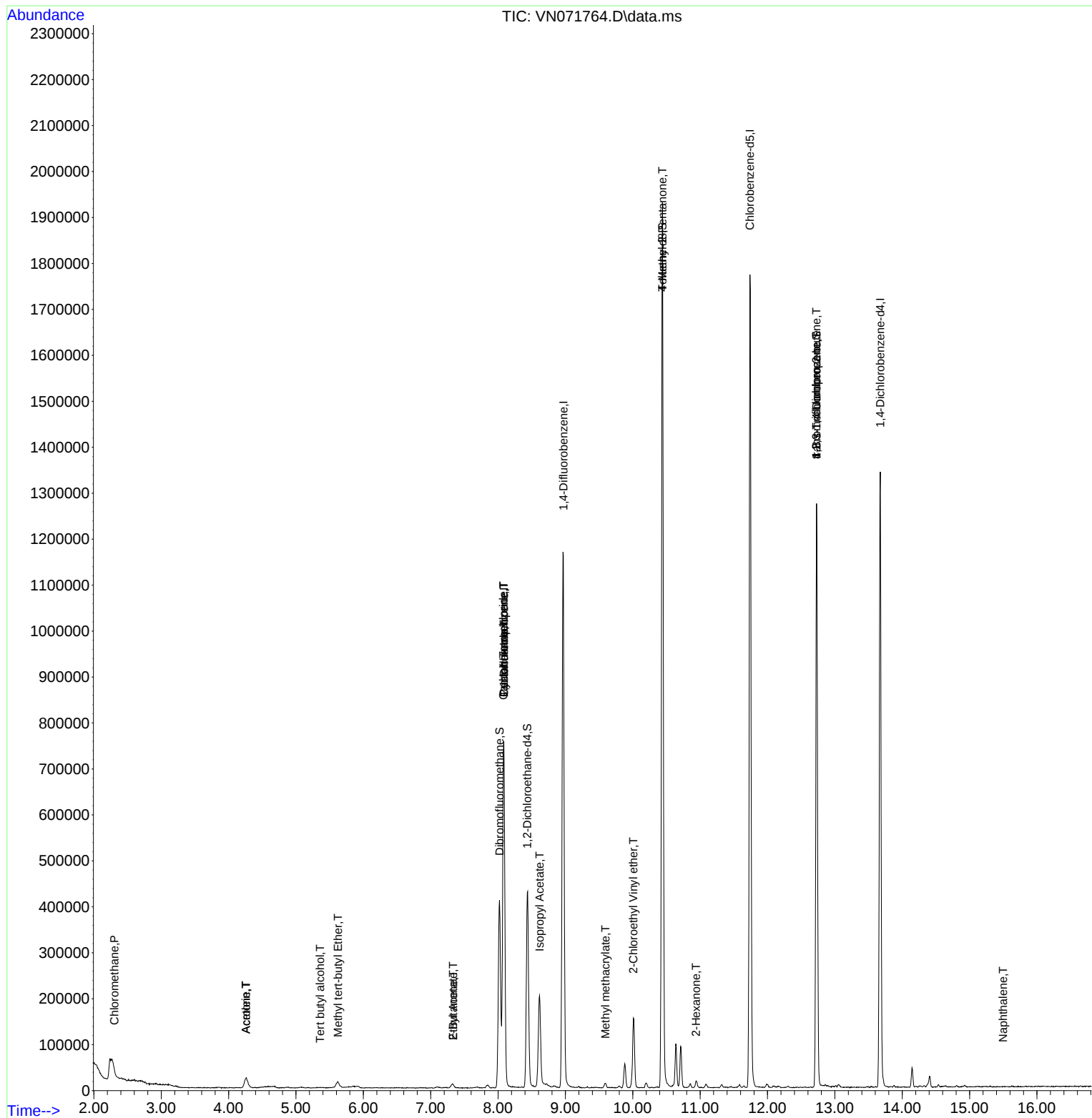
Internal Standards						
1) Pentafluorobenzene	8.087	168	629685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1096465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1103307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	394973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	364591	50.718	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.440%	
35) Dibromofluoromethane	8.022	113	308751	47.853	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.700%	
50) Toluene-d8	10.439	98	1376786	52.163	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.727	95	450715	52.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1641	0.259	ug/l	89
11) Tert butyl alcohol	5.357	59	1782	1.528	ug/l #	72
13) Acrolein	4.257	56	5513	3.876	ug/l #	76
16) Acetone	4.257	43	14970	4.873	ug/l #	53
18) Methyl Acetate	4.875	43	3193	Below Cal	#	58
19) Methyl tert-butyl Ether	5.622	73	20858	1.080	ug/l	96
25) 2-Butanone	7.334	43	3812	0.861	ug/l #	45
31) Cyclohexane	8.087	56	10849	1.110	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	44410	4.929	ug/l #	48
37) Ethyl Acetate	7.334	43	3812	0.387	ug/l #	67
38) Carbon Tetrachloride	8.081	117	57746	6.539	ug/l #	16
43) Isopropyl Acetate	8.616	43	49033	2.989	ug/l #	53
48) Methyl methacrylate	9.592	41	2584	0.380	ug/l #	29
51) 4-Methyl-2-Pentanone	10.439	43	5106	0.541	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.010	63	56	16.983	ug/l #	44
59) 2-Hexanone	10.939	43	9601	1.446	ug/l	73
76) 1,2,3-Trichloropropane	12.727	75	221137	24.168	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	221137	74.897	ug/l #	10
95) Naphthalene	15.498	128	259	3.816	ug/l #	69

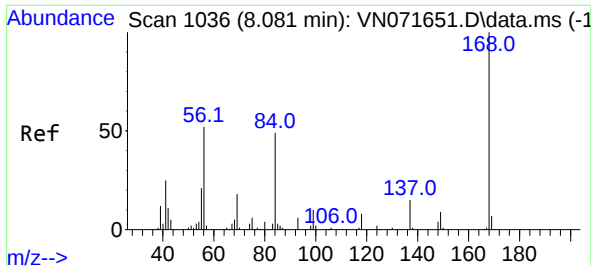
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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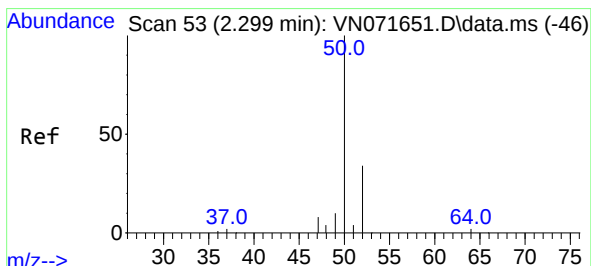
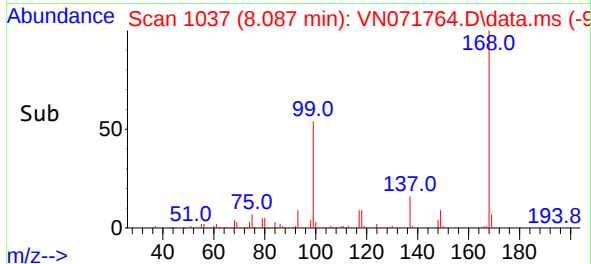
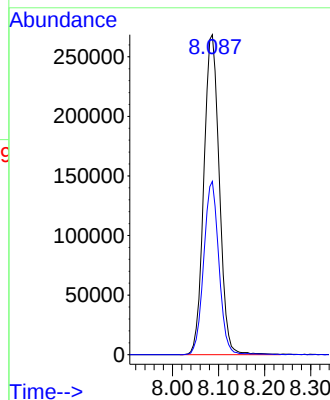
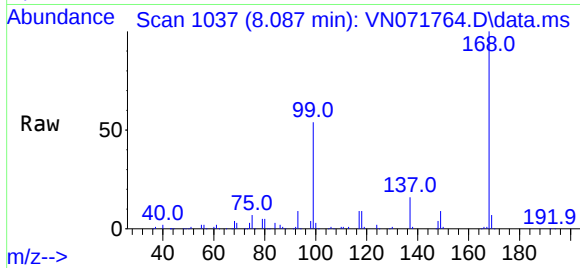




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

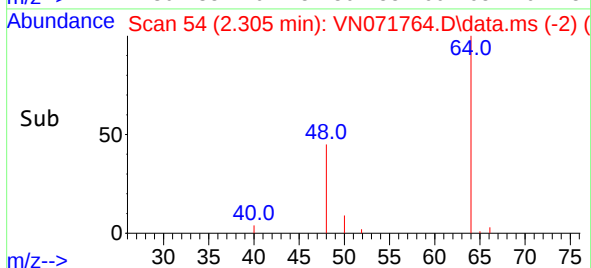
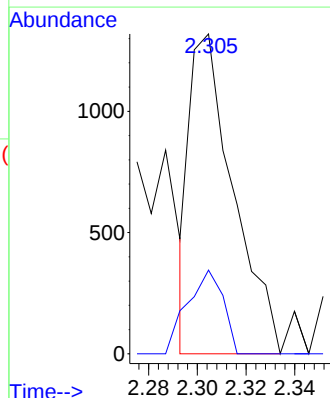
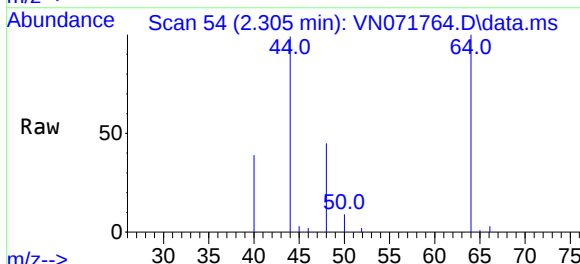
Instrument :
MSVOA_N
ClientSampleId :
MW-59

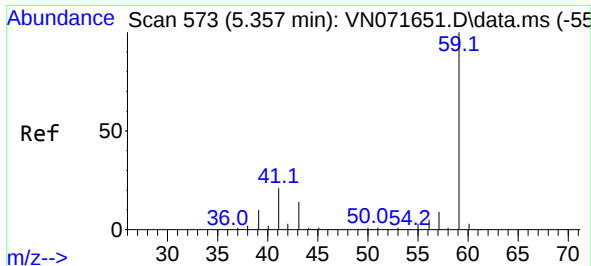
Tgt Ion:168 Resp: 629685
Ion Ratio Lower Upper
168 100
99 54.2 42.3 63.5



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 50 Resp: 1641
Ion Ratio Lower Upper
50 100
52 26.2 25.7 38.5

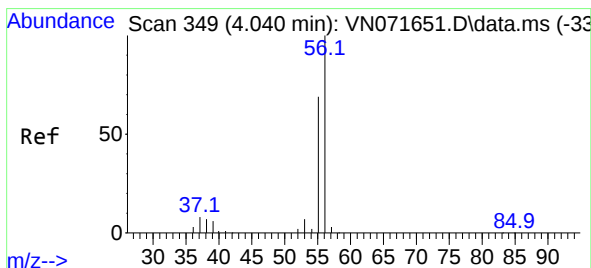
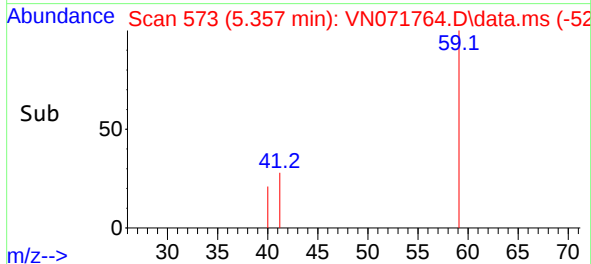
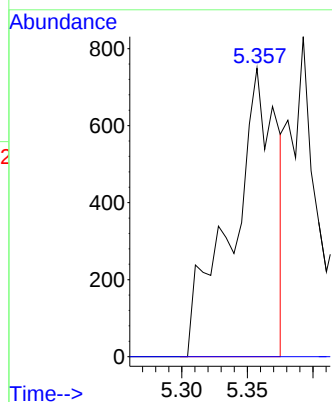
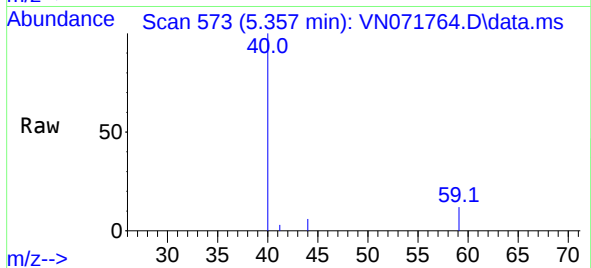




#11
Tert butyl alcohol
Concen: 1.528 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

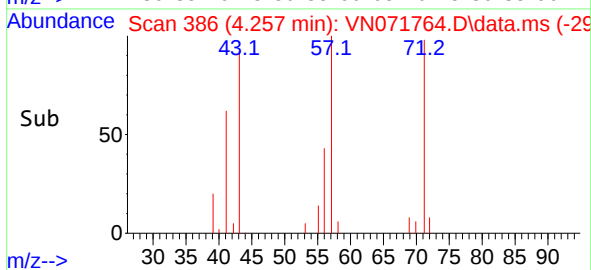
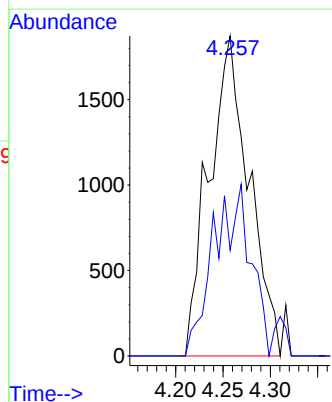
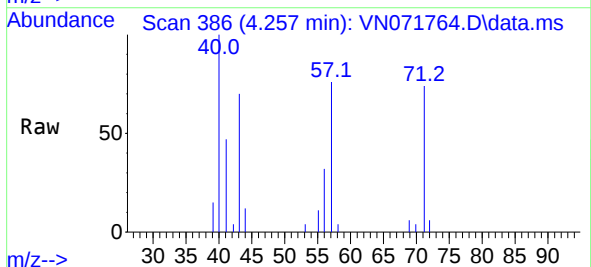
Instrument :
MSVOA_N
ClientSampleId :
MW-59

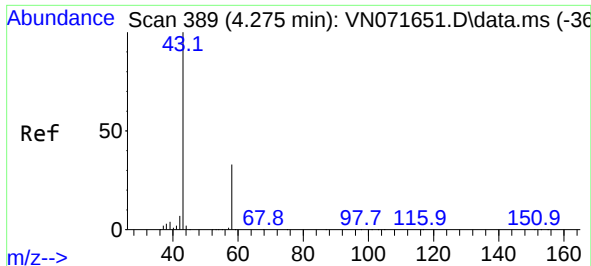
Tgt Ion: 59 Resp: 1782
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 3.876 ug/l
RT: 4.257 min Scan# 386
Delta R.T. 0.217 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 56 Resp: 5513
Ion Ratio Lower Upper
56 100
55 49.3 54.8 82.2#

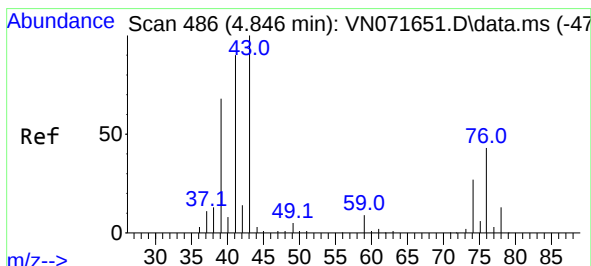
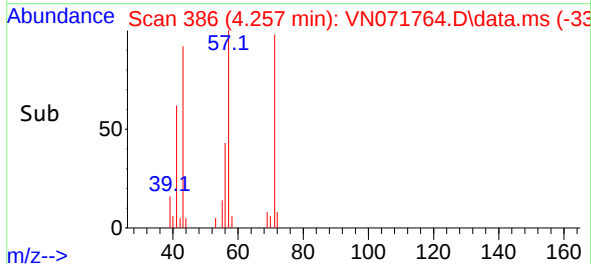
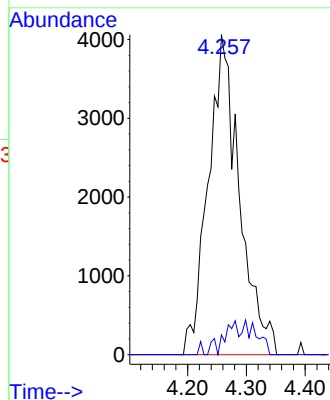
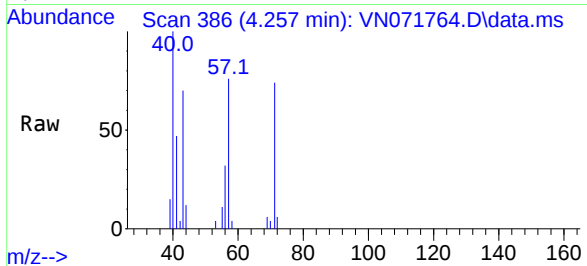




#16
Acetone
Concen: 4.873 ug/l
RT: 4.257 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

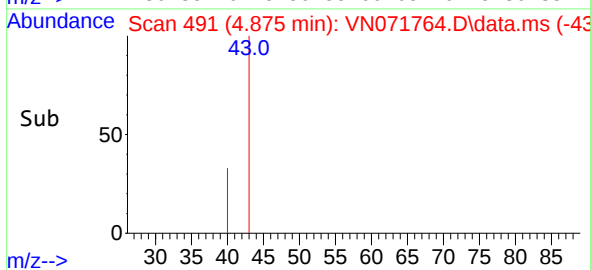
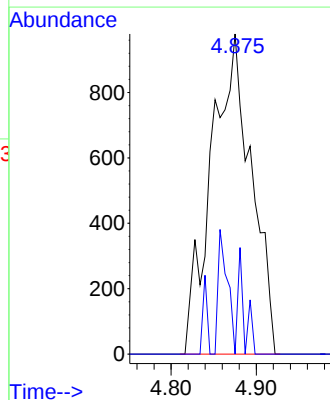
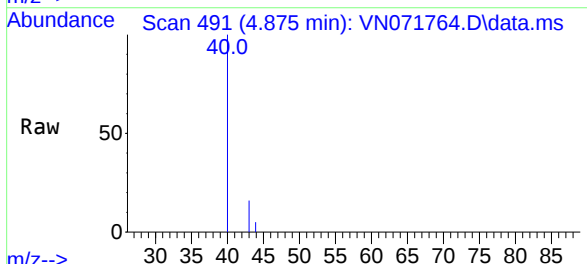
Instrument :
MSVOA_N
ClientSampleId :
MW-59

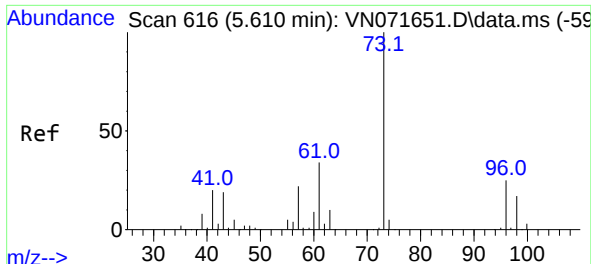
Tgt Ion: 43 Resp: 14970
Ion Ratio Lower Upper
43 100
58 6.2 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 491
Delta R.T. 0.029 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
74 5.4 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 1.080 ug/l

RT: 5.622 min Scan# 616

Delta R.T. 0.012 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

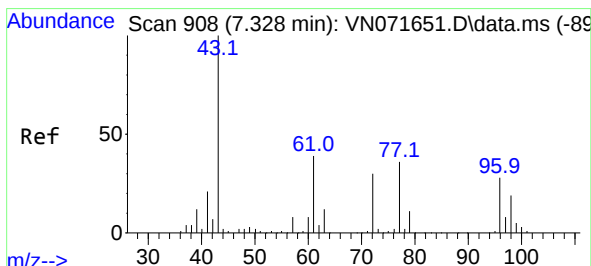
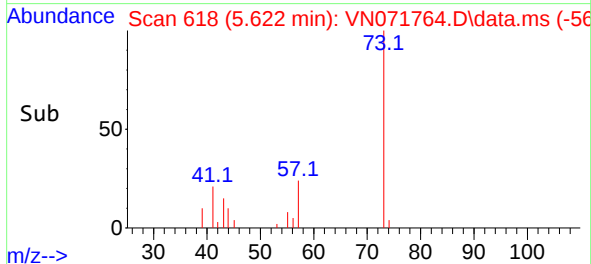
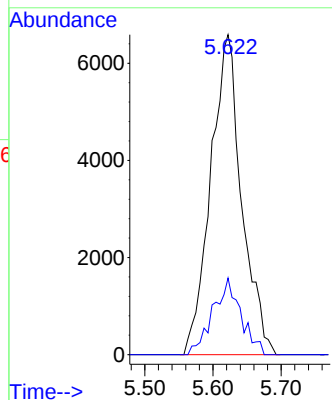
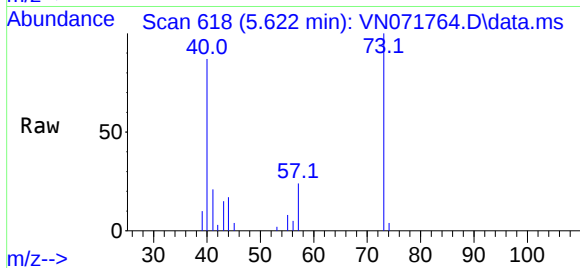
MW-59

Tgt Ion: 73 Resp: 20858

Ion Ratio Lower Upper

73 100

57 24.0 17.6 26.4



#25

2-Butanone

Concen: 0.861 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN071764.D

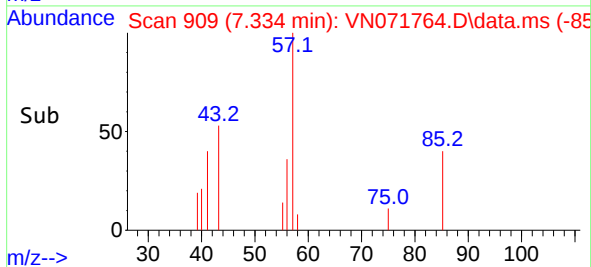
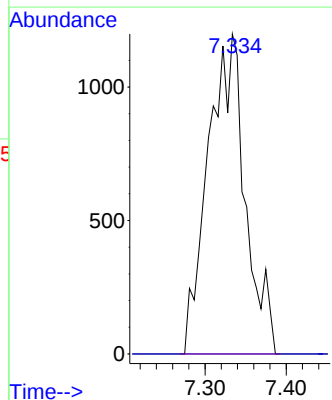
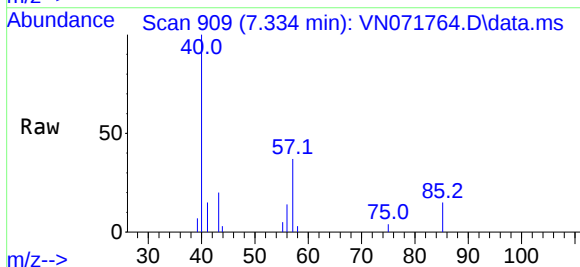
Acq: 01 Apr 2022 19:45

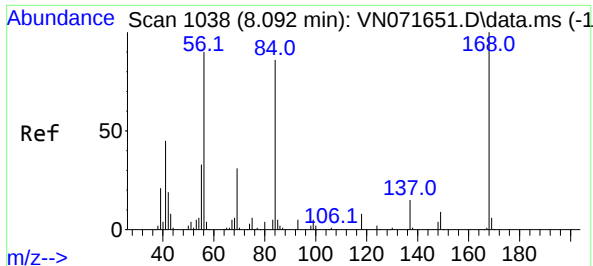
Tgt Ion: 43 Resp: 3812

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#

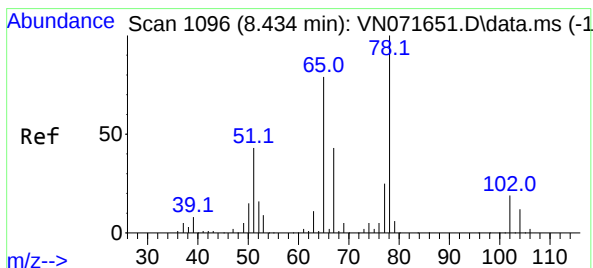
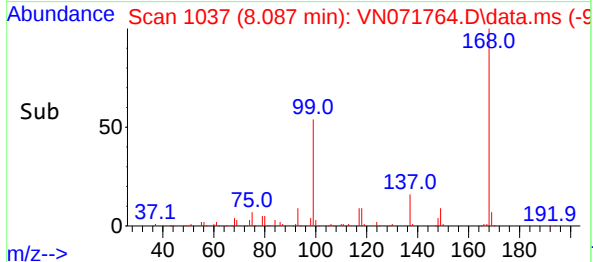
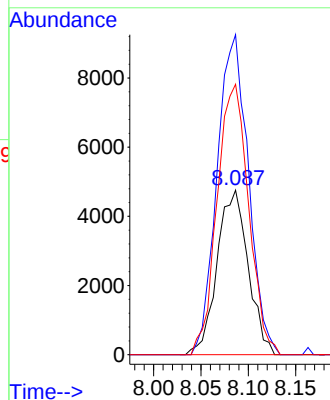
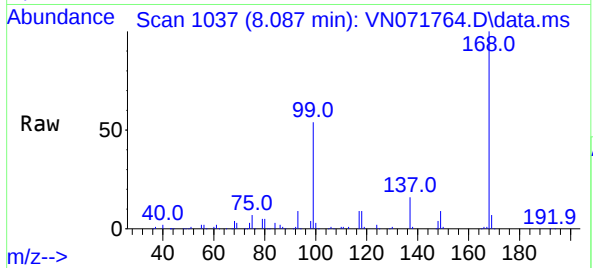




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

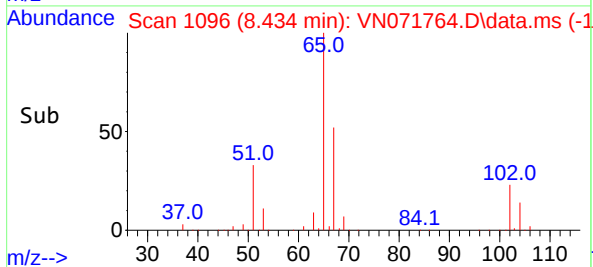
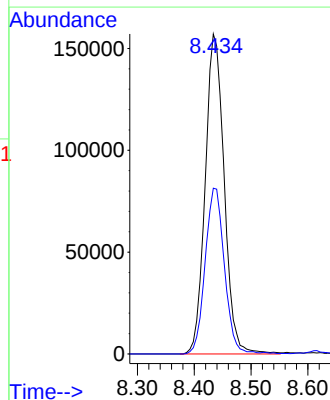
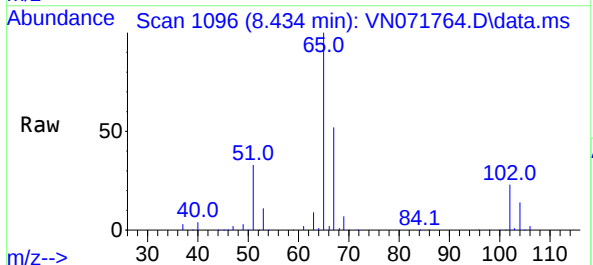
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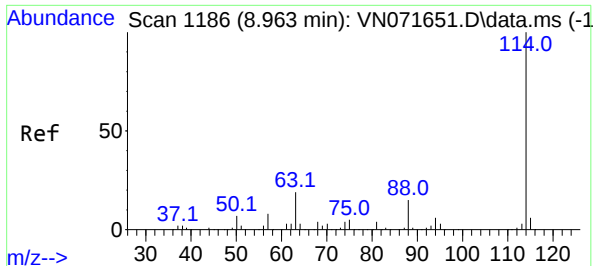
Tgt Ion: 56 Resp: 10849
Ion Ratio Lower Upper
56 100
69 194.5 27.8 41.8#
84 164.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.718 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 65 Resp: 364591
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

MW-59

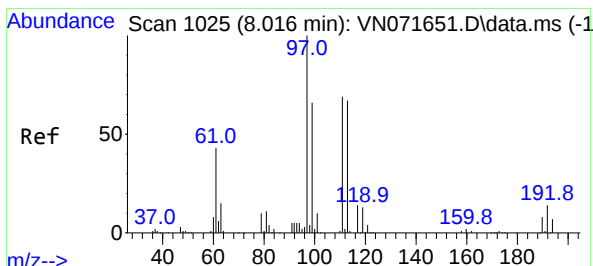
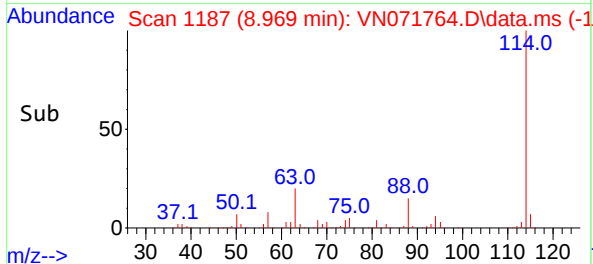
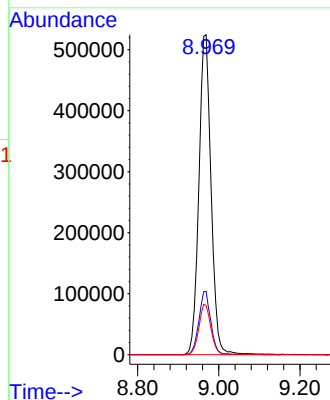
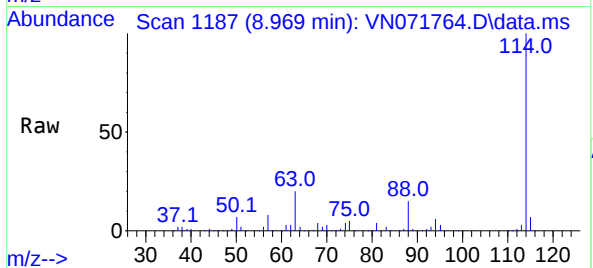
Tgt Ion:114 Resp: 1096465

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.853 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

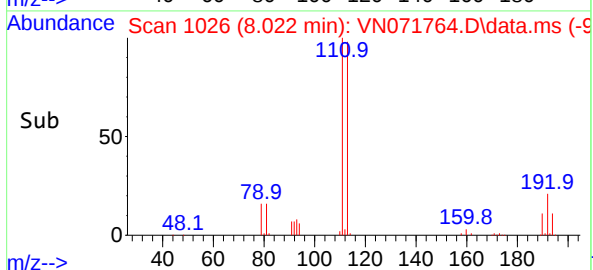
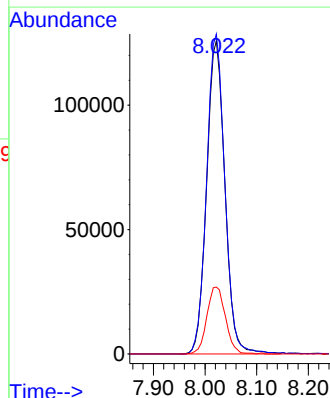
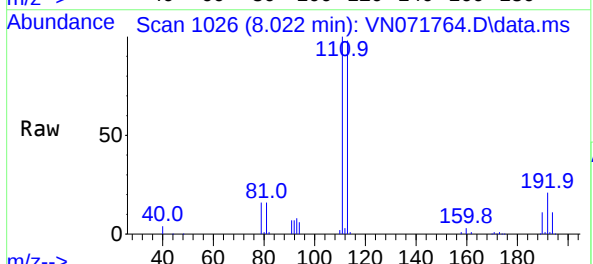
Tgt Ion:113 Resp: 308751

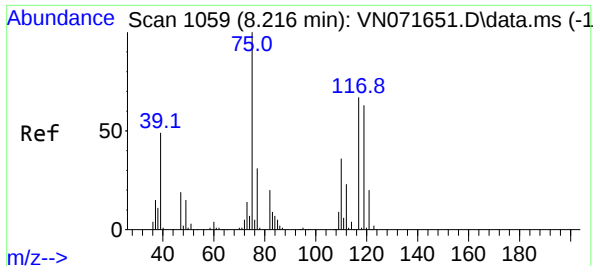
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 21.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 8.087 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

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MW-59

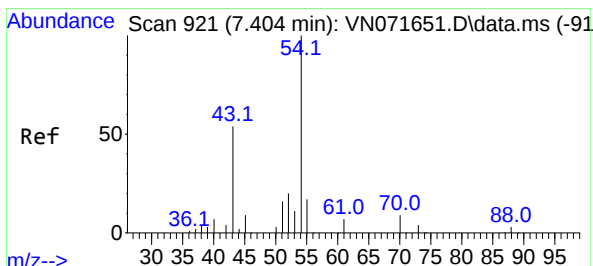
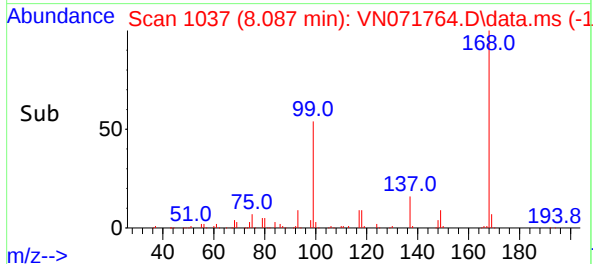
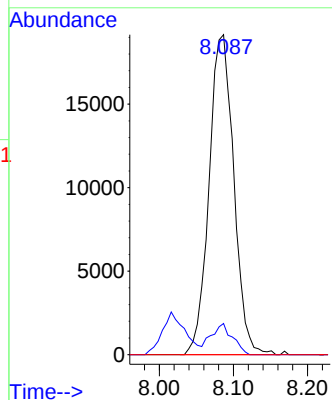
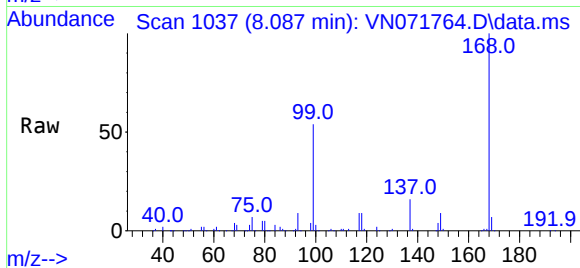
Tgt Ion: 75 Resp: 44410

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.387 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

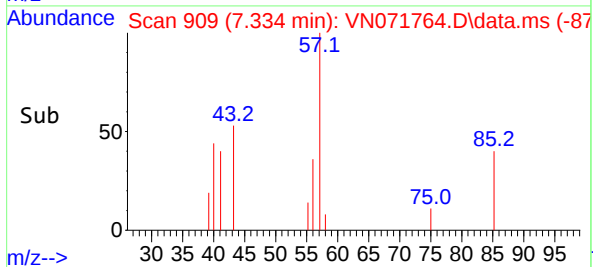
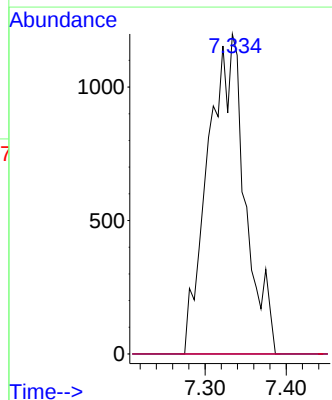
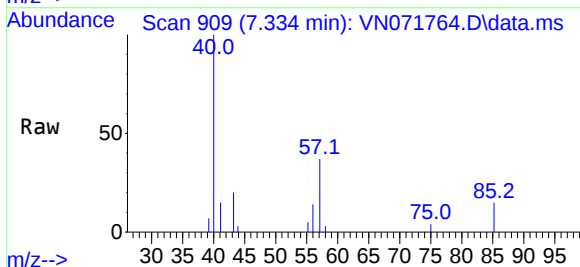
Tgt Ion: 43 Resp: 3812

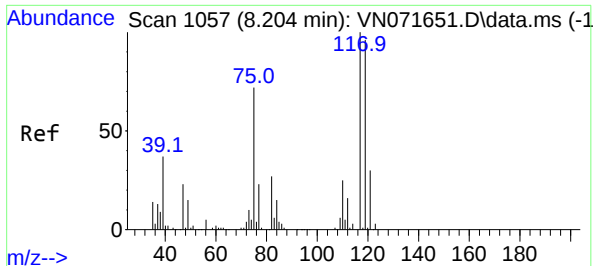
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

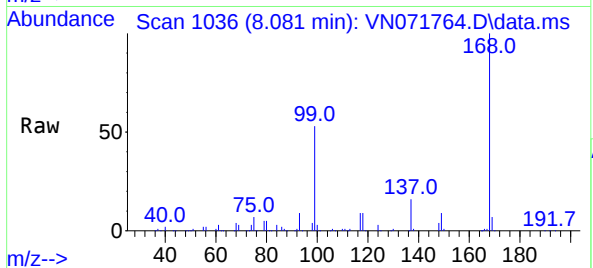
70 0.0 9.3 13.9#



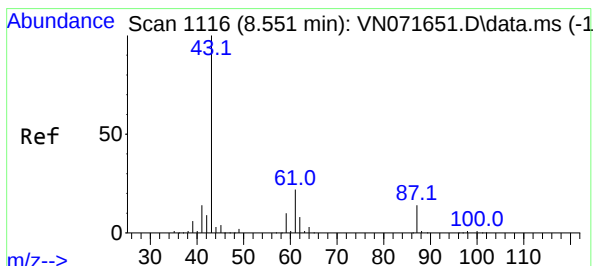
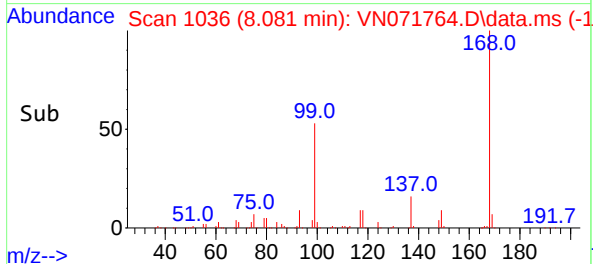
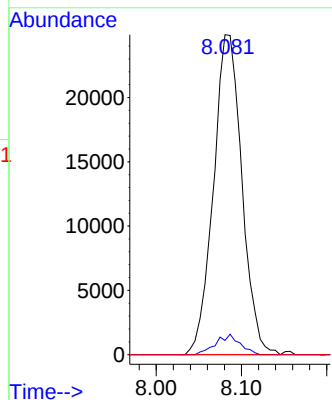


#38
Carbon Tetrachloride
Concen: 6.539 ug/l
RT: 8.081 min Scan# 1127
Delta R.T. -0.123 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :
MW-59

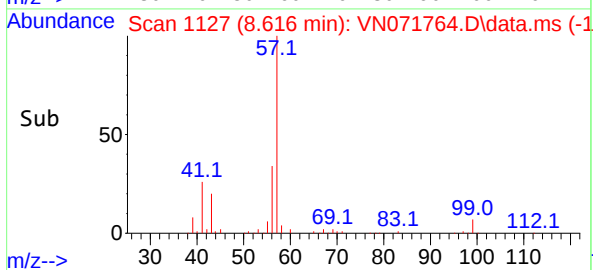
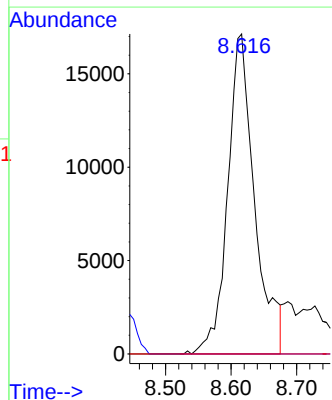
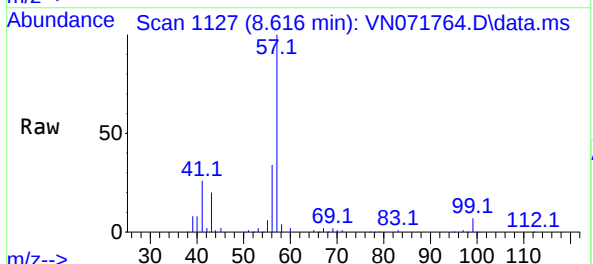


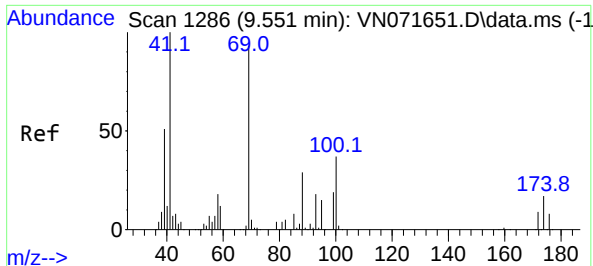
Tgt Ion:117 Resp: 57746
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 2.989 ug/l
RT: 8.616 min Scan# 1127
Delta R.T. 0.065 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 43 Resp: 49033
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

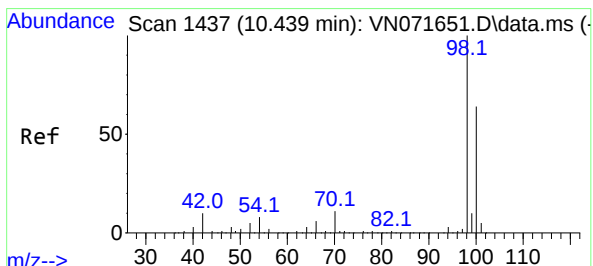
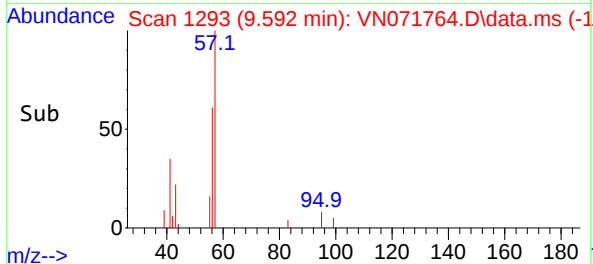
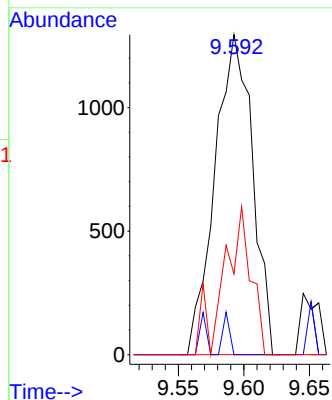
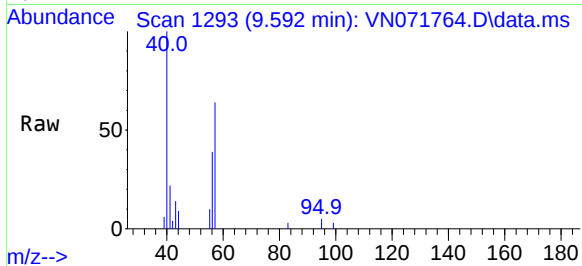




#48
Methyl methacrylate
Concen: 0.380 ug/l
RT: 9.592 min Scan# 1293
Delta R.T. 0.041 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

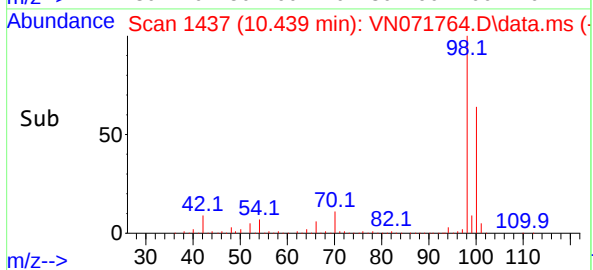
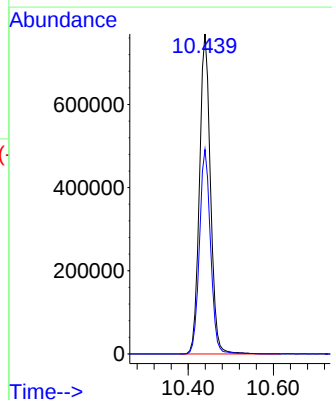
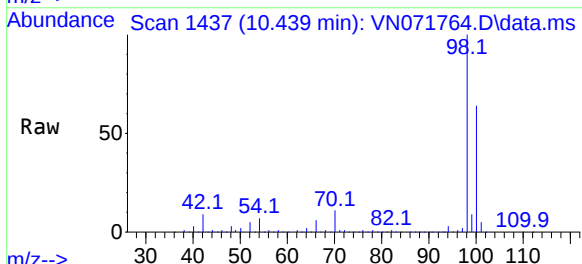
Instrument :
MSVOA_N
ClientSampleId :
MW-59

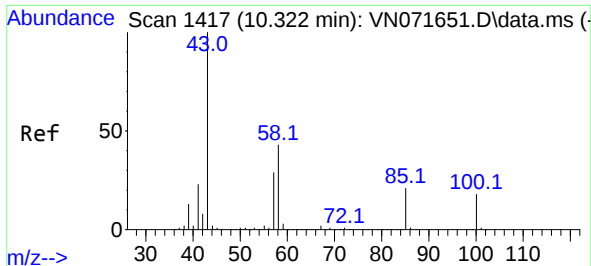
Tgt Ion: 41 Resp: 2584
Ion Ratio Lower Upper
41 100
69 2.4 74.7 112.1#
39 33.6 45.6 68.4#



#50
Toluene-d8
Concen: 52.163 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 98 Resp: 1376786
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 10.439 min Scan# 1417

Delta R.T. 0.117 min

Lab File: VN071764.D

Acq: 01 Apr 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

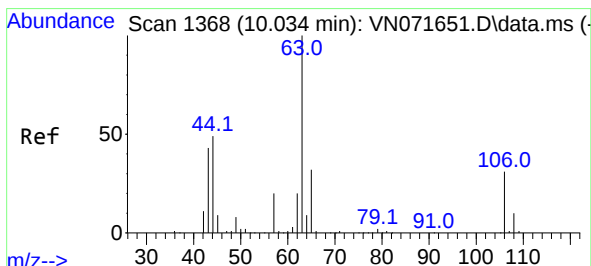
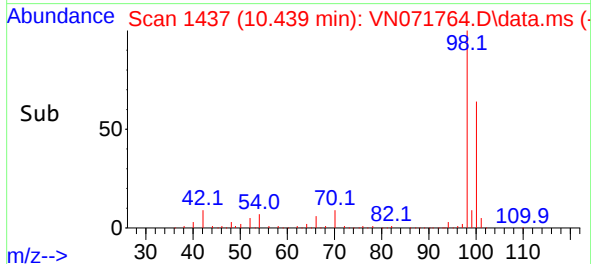
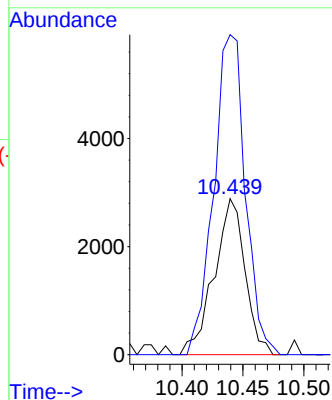
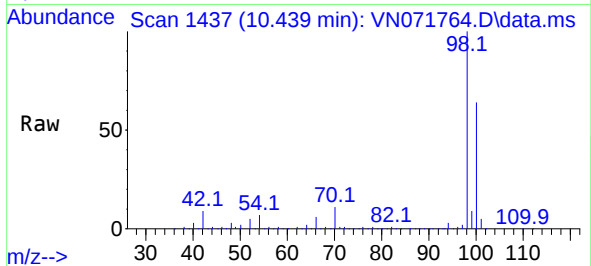
MW-59

Tgt Ion: 43 Resp: 5106

Ion Ratio Lower Upper

43 100

58 210.0 34.1 51.1#



#58

2-Chloroethyl Vinyl ether

Concen: 16.983 ug/l

RT: 10.010 min Scan# 1364

Delta R.T. -0.024 min

Lab File: VN071764.D

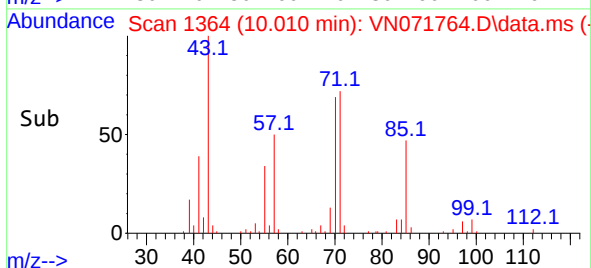
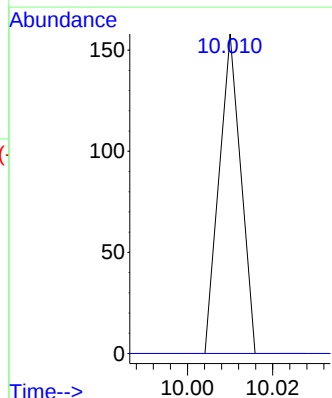
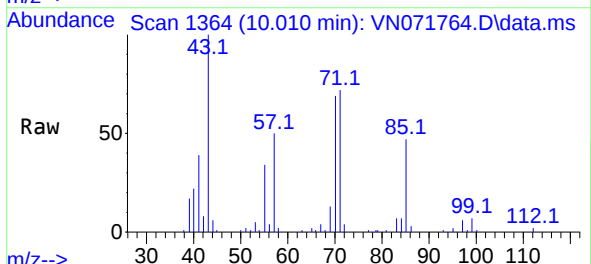
Acq: 01 Apr 2022 19:45

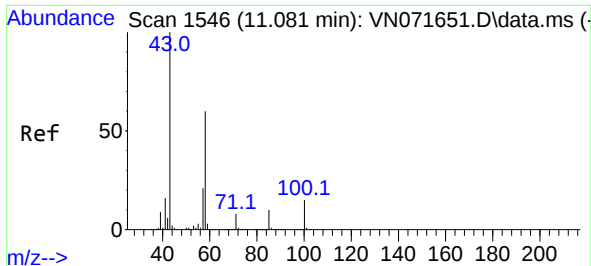
Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

63 100

106 0.0 24.6 36.8#

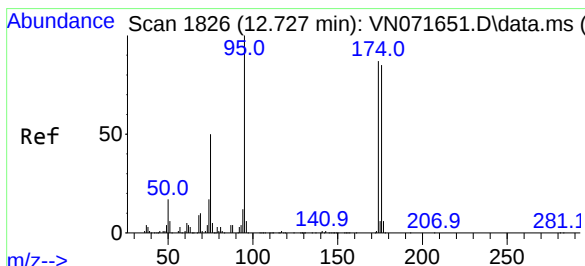
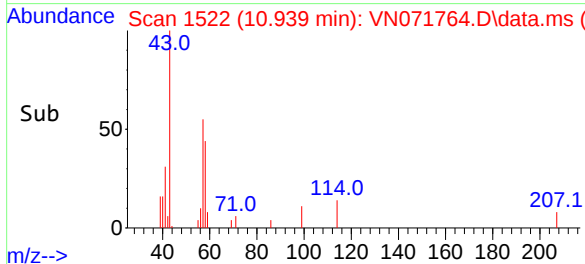
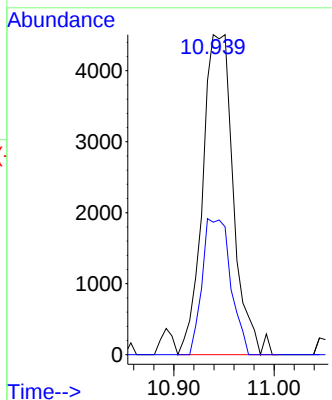
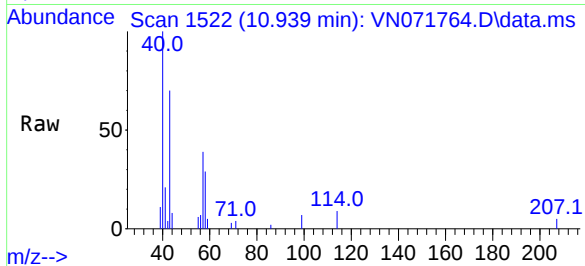




#59
2-Hexanone
Concen: 1.446 ug/l
RT: 10.939 min Scan# 1546
Delta R.T. -0.142 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

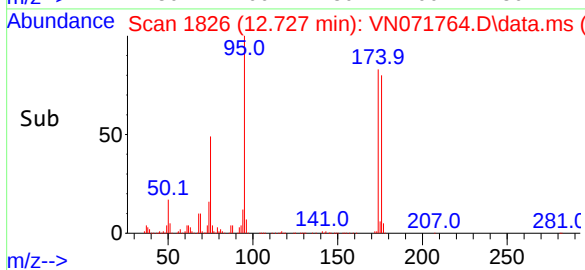
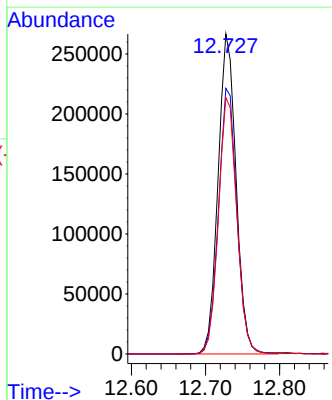
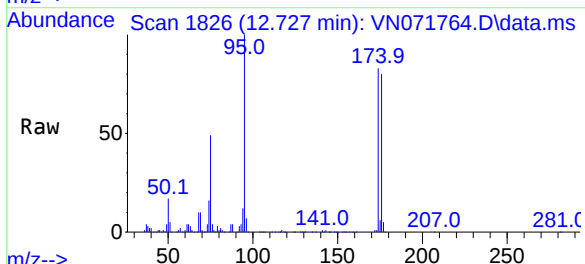
Instrument :
MSVOA_N
ClientSampleId :
MW-59

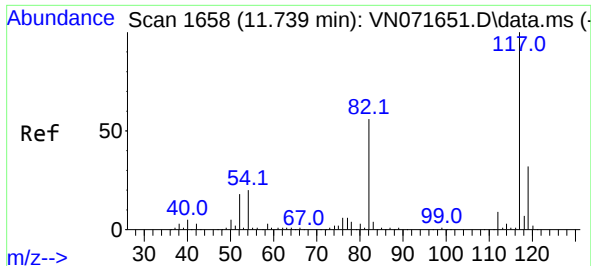
Tgt Ion: 43 Resp: 9601
Ion Ratio Lower Upper
43 100
58 39.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 52.800 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion: 95 Resp: 450715
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 81.6 0.0 163.4

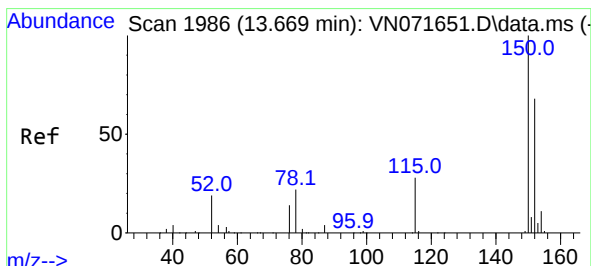
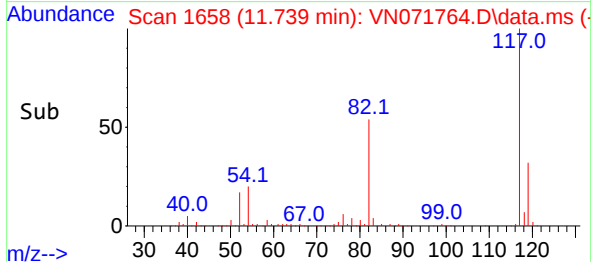
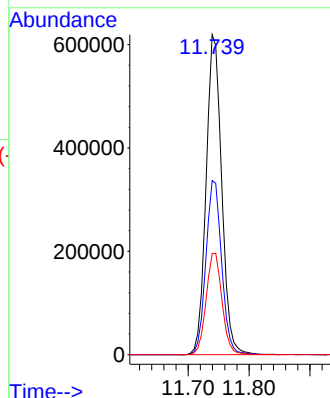
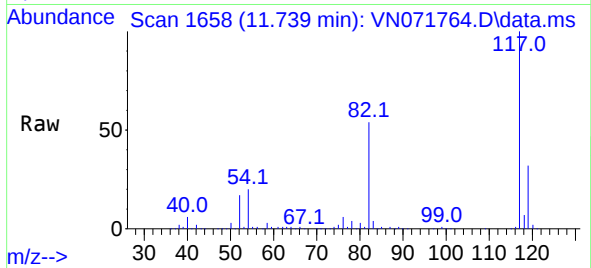




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1103307
Delta R.T. 0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

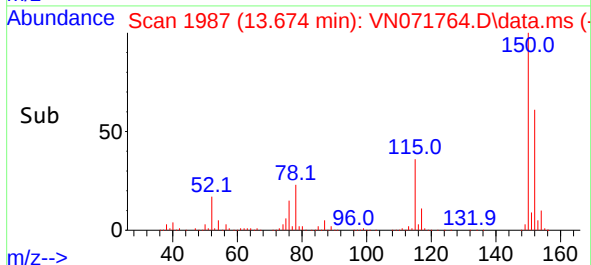
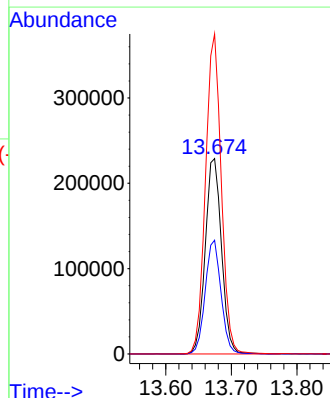
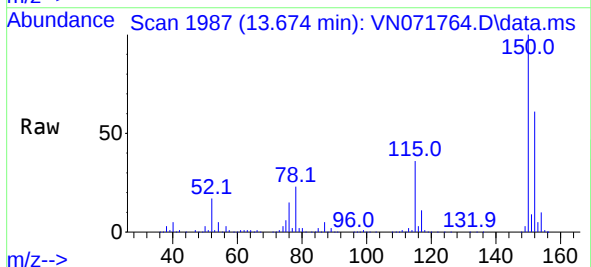
Instrument :
MSVOA_N
ClientSampleId :
MW-59

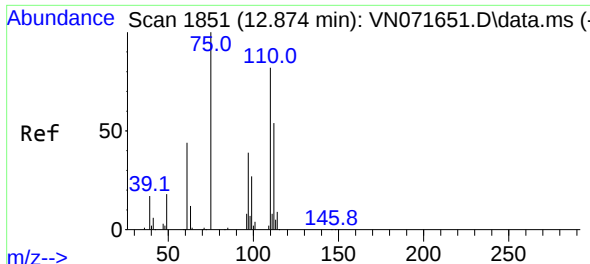
Tgt Ion:117 Resp: 1103307
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Tgt Ion:152 Resp: 394973
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.8 0.0 356.2

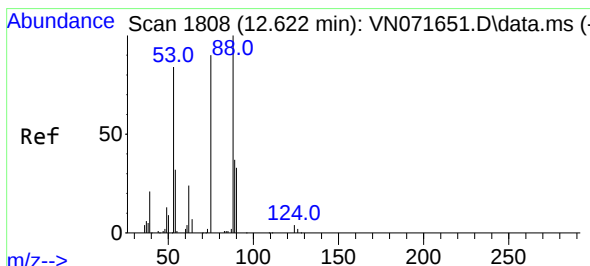
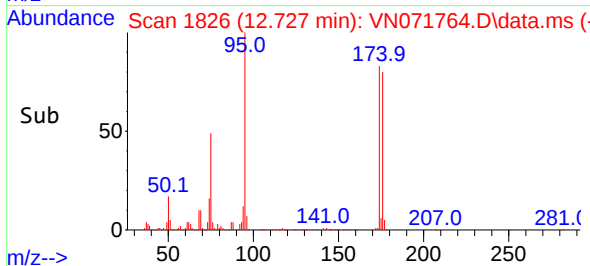
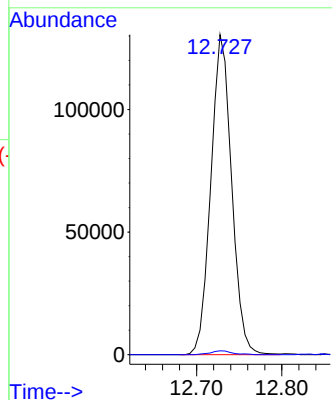
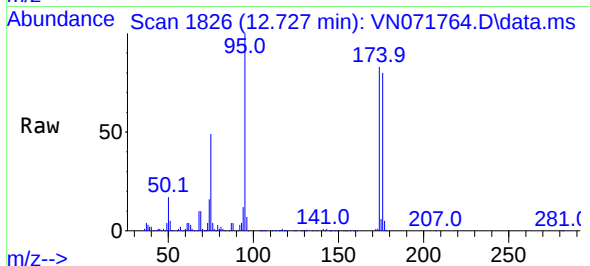




#76
1,2,3-Trichloropropane
Concen: 24.168 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

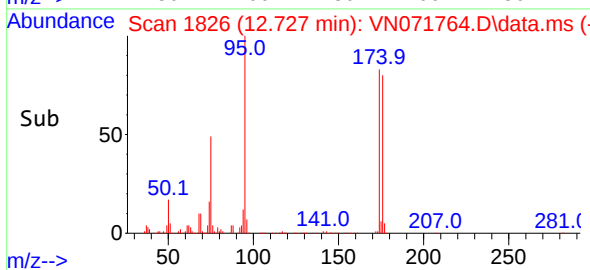
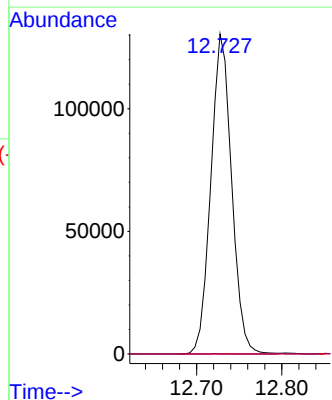
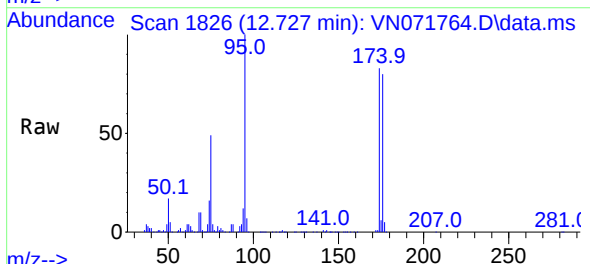
Instrument : MSVOA_N
ClientSampleId : MW-59

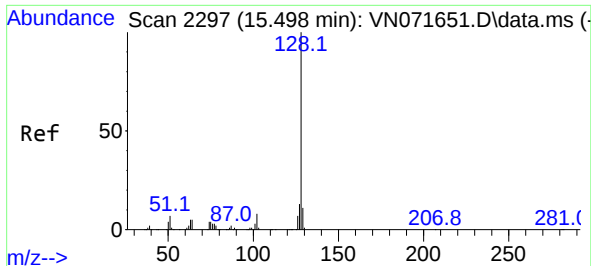
Tgt Ion: 75 Resp: 221137
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.897 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

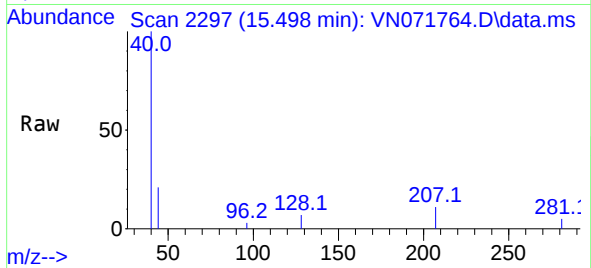
Tgt Ion: 75 Resp: 221137
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.816 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071764.D
Acq: 01 Apr 2022 19:45

Instrument :
MSVOA_N
ClientSampleId :
MW-59



Tgt Ion:128 Resp: 259
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

