

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071759.D
 Acq On : 01 Apr 2022 17:44
 Operator : JC\MD
 Sample : N2090-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-53

Quant Time: Apr 02 00:56:05 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)

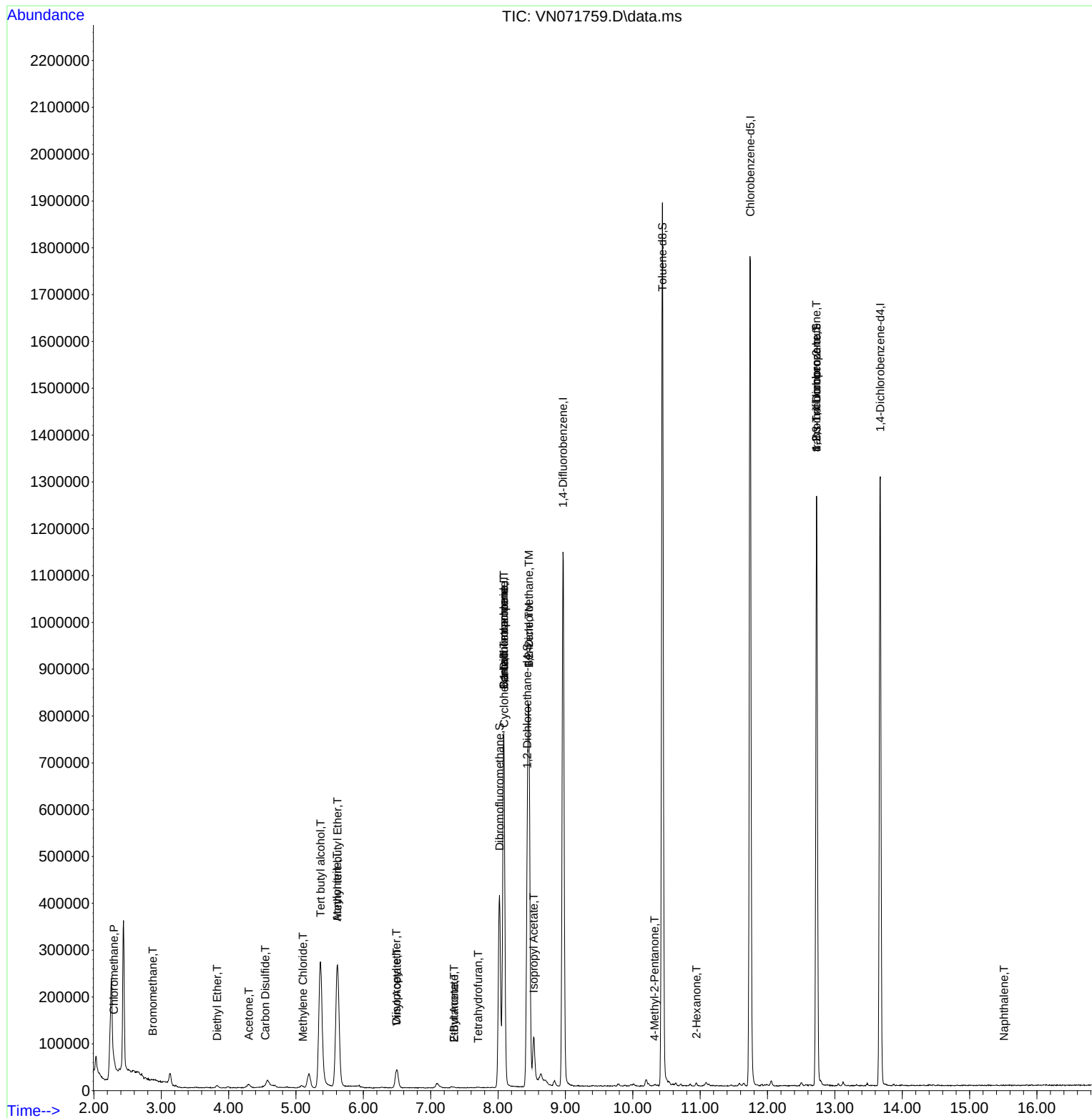
Internal Standards						
1) Pentafluorobenzene	8.086	168	624360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1076827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1095298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	399035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	358005	50.227	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.460%			
35) Dibromofluoromethane	8.022	113	307085	48.463	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.920%			
50) Toluene-d8	10.439	98	1342180	51.779	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.727	95	450355	53.720	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.440%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	1818	0.289	ug/l #	70
5) Bromomethane	2.875	94	1412	0.314	ug/l #	61
8) Diethyl Ether	3.828	74	2932	0.789	ug/l	90
11) Tert butyl alcohol	5.363	59	532623	460.458	ug/l	99
15) Acrylonitrile	5.610	53	5245	1.560	ug/l #	33
16) Acetone	4.298	43	11769	3.864	ug/l	96
17) Carbon Disulfide	4.546	76	3382	0.286	ug/l #	75
18) Methyl Acetate	4.869	43	3502	Below Cal		91
19) Methyl tert-butyl Ether	5.616	73	472466	24.678	ug/l	96
20) Methylene Chloride	5.104	84	1390	0.216	ug/l #	75
22) Diisopropyl ether	6.492	45	49519	2.719	ug/l	94
23) Vinyl Acetate	6.498	43	26106	1.803	ug/l #	68
25) 2-Butanone	7.345	43	2017	0.459	ug/l	98
29) Tetrahydrofuran	7.704	42	866	0.305	ug/l #	66
31) Cyclohexane	8.092	56	15357	1.584	ug/l #	32
36) 1,1-Dichloropropene	8.086	75	43698	4.938	ug/l #	48
37) Ethyl Acetate	7.345	43	2017	0.208	ug/l #	67
38) Carbon Tetrachloride	8.086	117	56470	6.512	ug/l #	16
40) Benzene	8.457	78	717962	25.685	ug/l	100
42) 1,2-Dichloroethane	8.457	62	5734	0.593	ug/l	84
43) Isopropyl Acetate	8.528	43	26181	1.625	ug/l #	56
51) 4-Methyl-2-Pentanone	10.322	43	2707	0.292	ug/l #	78
59) 2-Hexanone	10.945	43	4255	0.653	ug/l	72
76) 1,2,3-Trichloropropane	12.727	75	217326	23.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217326	72.857	ug/l #	10
95) Naphthalene	15.510	128	504	3.829	ug/l #	69

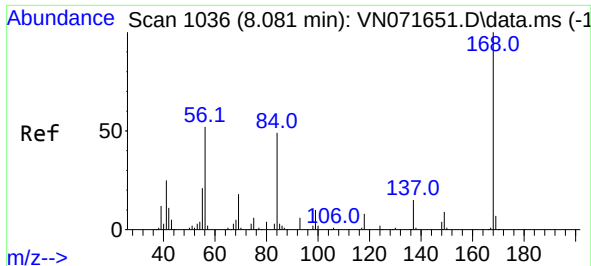
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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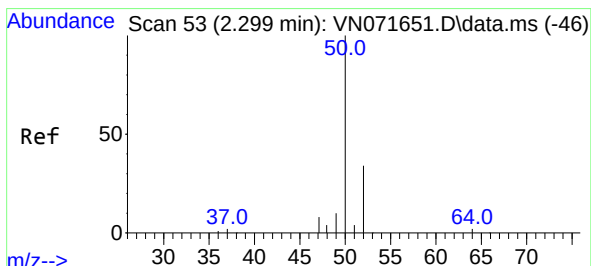
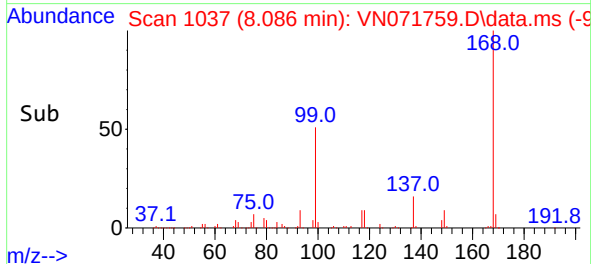
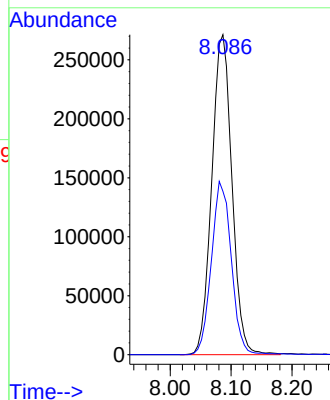
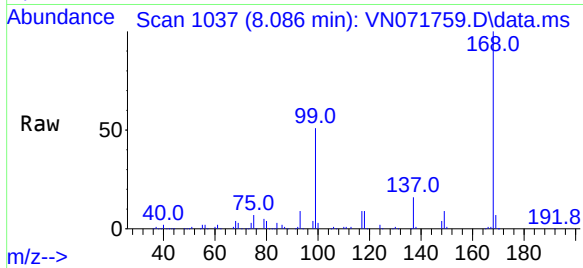




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

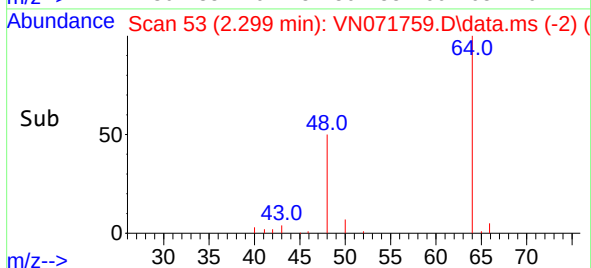
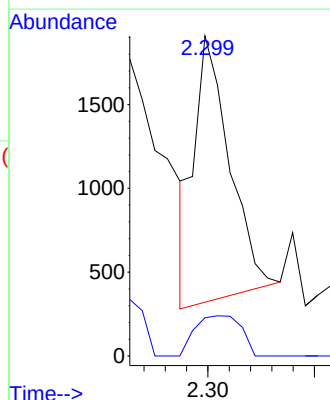
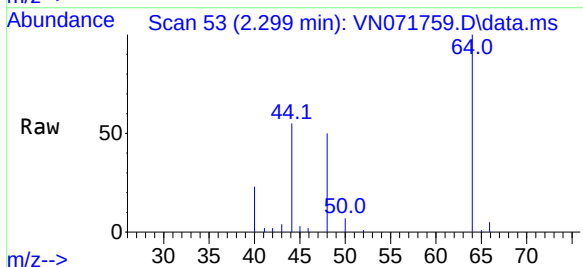
Instrument :
MSVOA_N
ClientSampleId :
MW-53

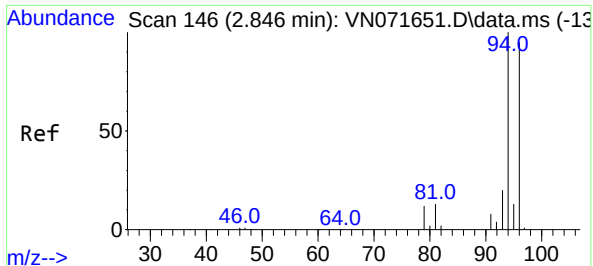
Tgt Ion:168 Resp: 624360
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 50 Resp: 1818
Ion Ratio Lower Upper
50 100
52 15.5 25.7 38.5#

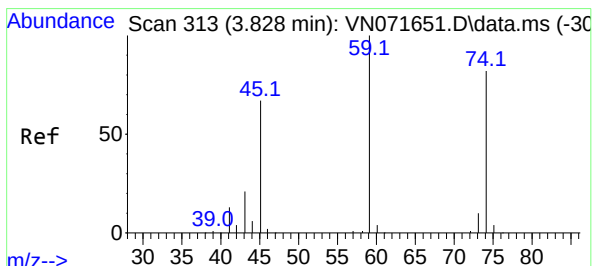
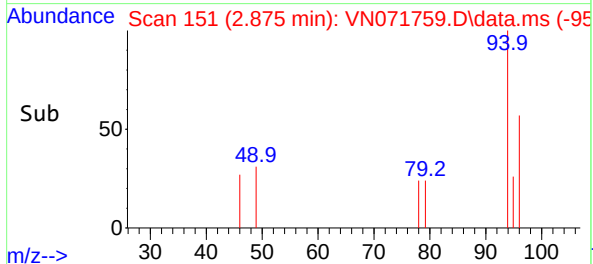
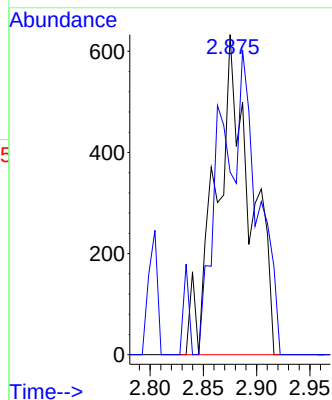
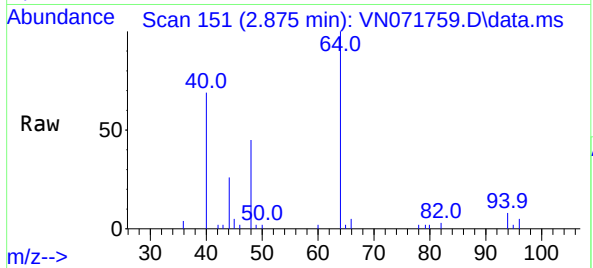




#5
Bromomethane
Concen: 0.314 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

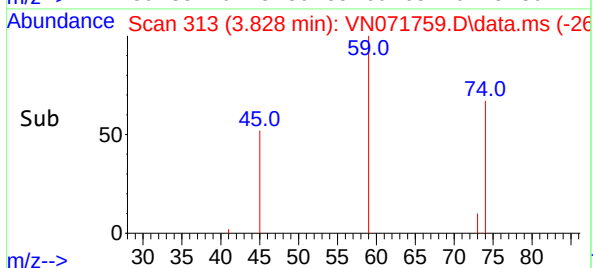
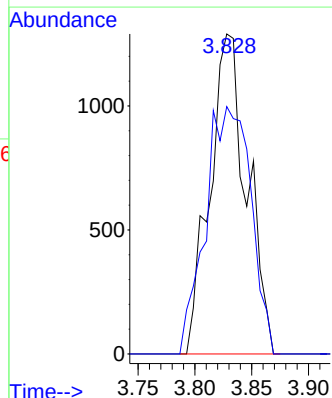
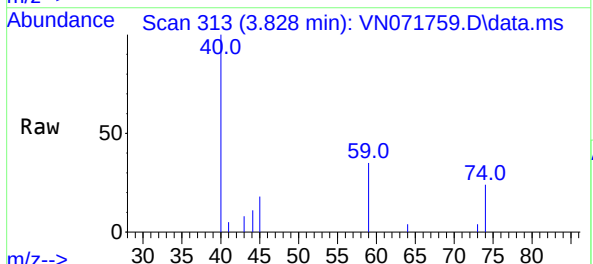
Instrument :
MSVOA_N
ClientSampleId :
MW-53

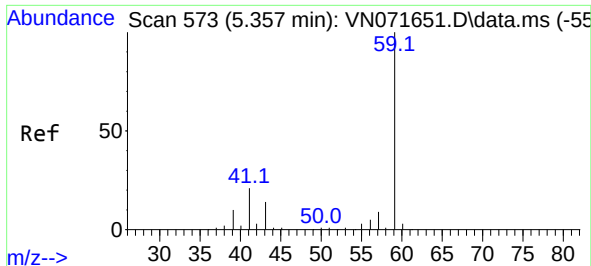
Tgt Ion: 94 Resp: 1412
Ion Ratio Lower Upper
94 100
96 57.0 76.0 114.0#



#8
Diethyl Ether
Concen: 0.789 ug/l
RT: 3.828 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 74 Resp: 2932
Ion Ratio Lower Upper
74 100
45 94.6 42.9 128.5





#11

Tert butyl alcohol

Concen: 460.458 ug/l

RT: 5.363 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN071759.D

Acq: 01 Apr 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

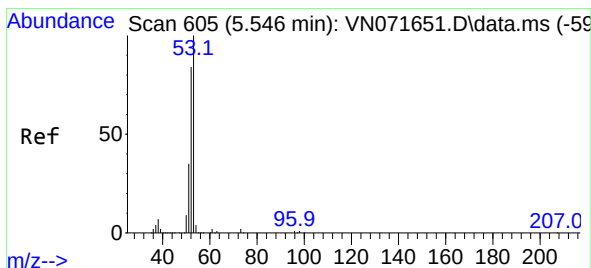
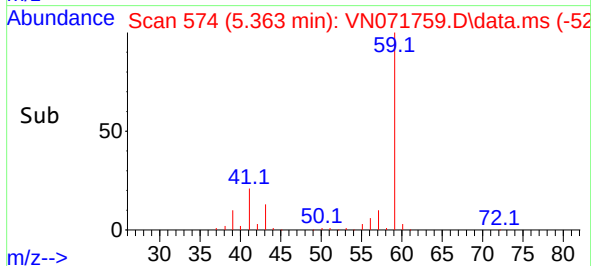
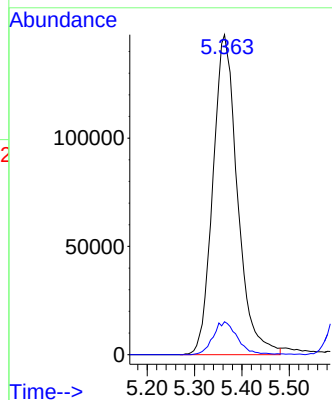
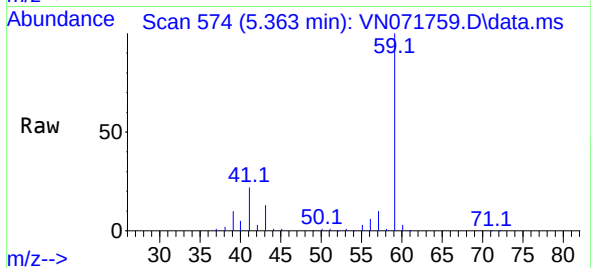
MW-53

Tgt Ion: 59 Resp: 532623

Ion Ratio Lower Upper

59 100

57 10.2 8.3 12.5



#15

Acrylonitrile

Concen: 1.560 ug/l

RT: 5.610 min Scan# 616

Delta R.T. 0.064 min

Lab File: VN071759.D

Acq: 01 Apr 2022 17:44

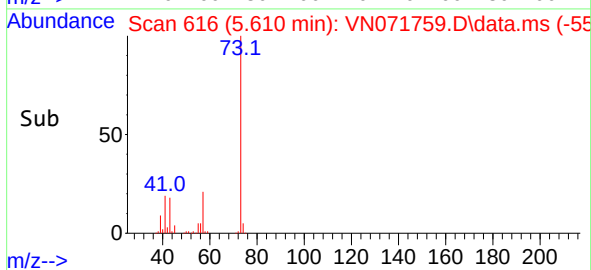
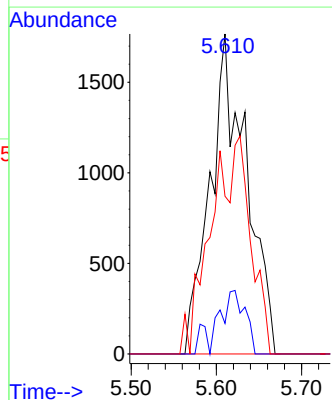
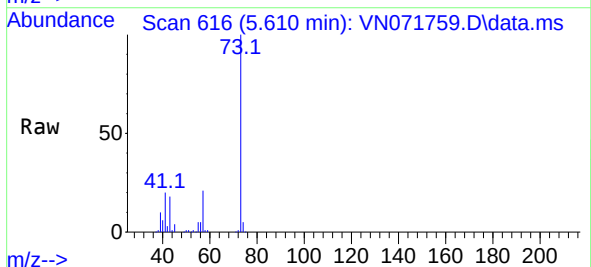
Tgt Ion: 53 Resp: 5245

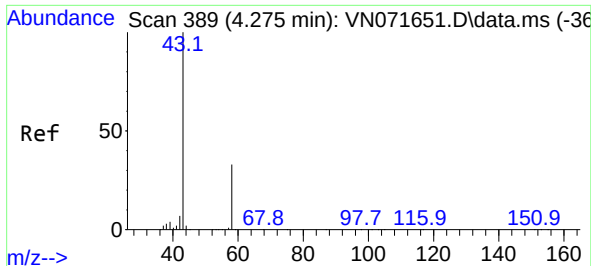
Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 39.8 28.5 42.7

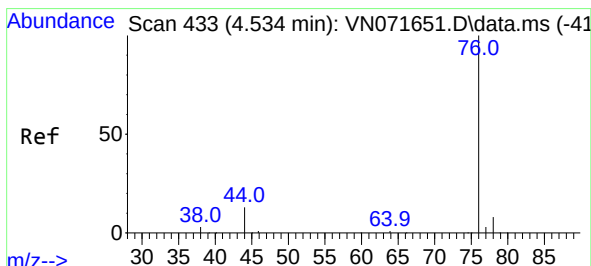
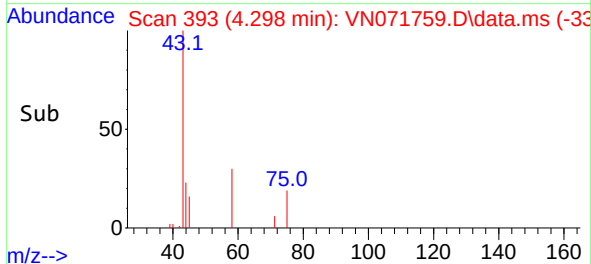
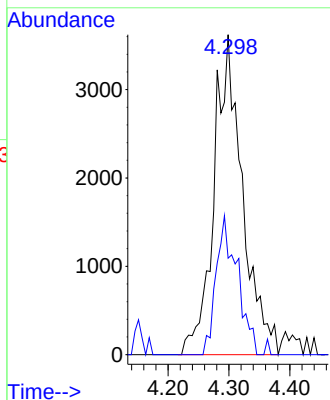
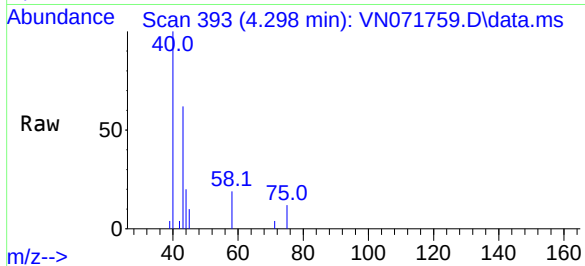




#16
Acetone
Concen: 3.864 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

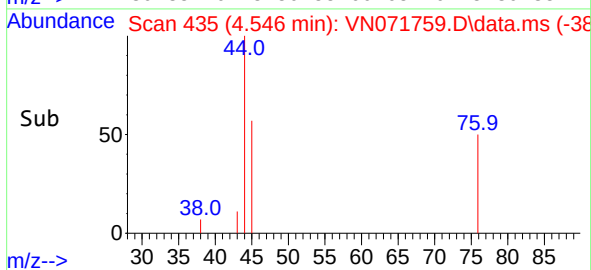
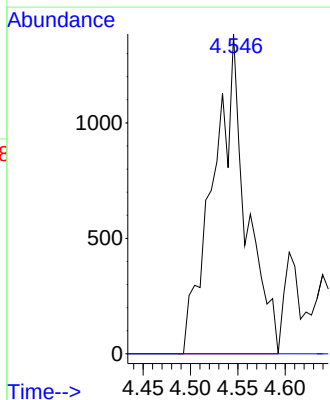
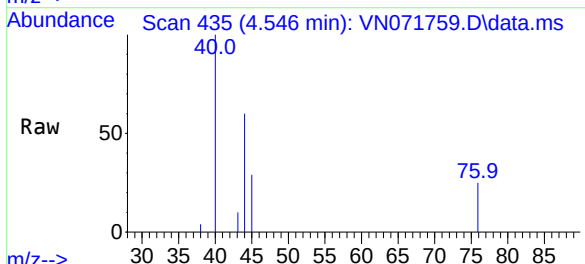
Instrument :
MSVOA_N
ClientSampleId :
MW-53

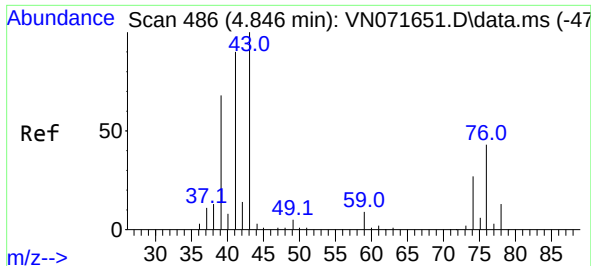
Tgt Ion: 43 Resp: 11769
Ion Ratio Lower Upper
43 100
58 30.1 26.0 39.0



#17
Carbon Disulfide
Concen: 0.286 ug/l
RT: 4.546 min Scan# 435
Delta R.T. 0.012 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 76 Resp: 3382
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

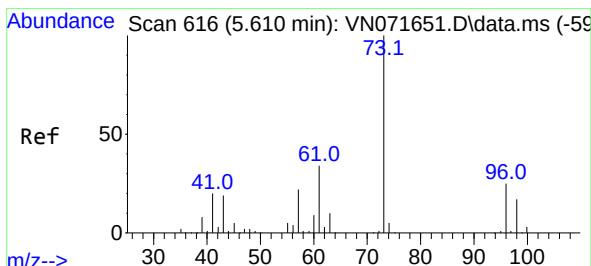
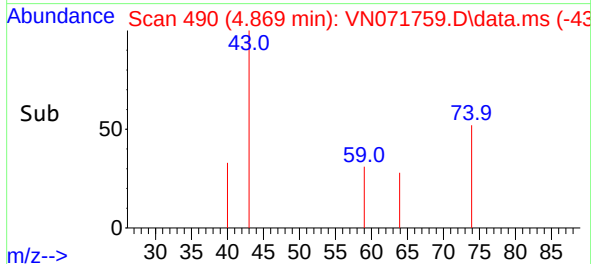
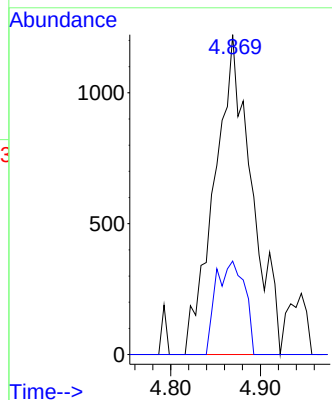
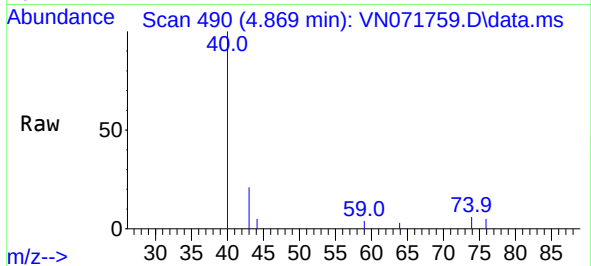




#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

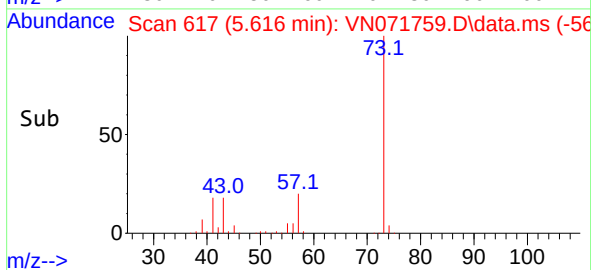
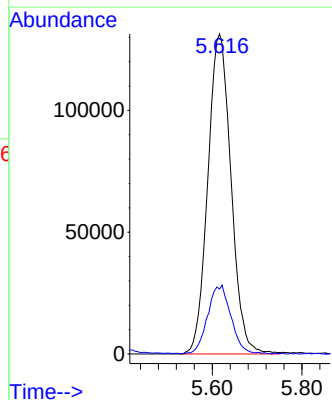
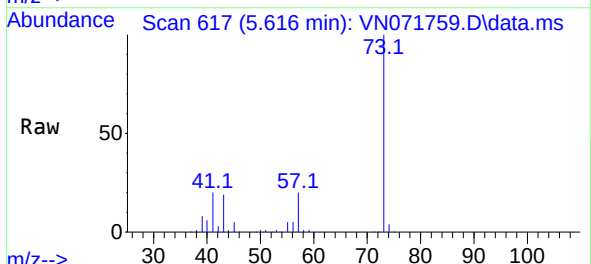
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MSVOA_N
ClientSampleId :
MW-53

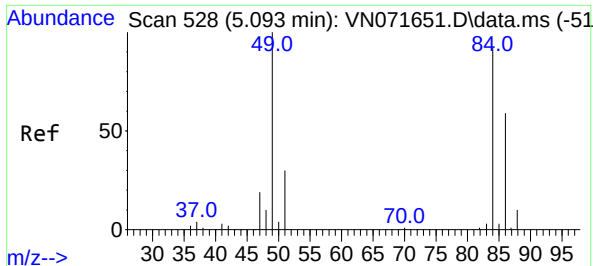
Tgt Ion: 43 Resp: 3502
Ion Ratio Lower Upper
43 100
74 22.5 21.6 32.4



#19
Methyl tert-butyl Ether
Concen: 24.678 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 73 Resp: 472466
Ion Ratio Lower Upper
73 100
57 20.1 17.6 26.4



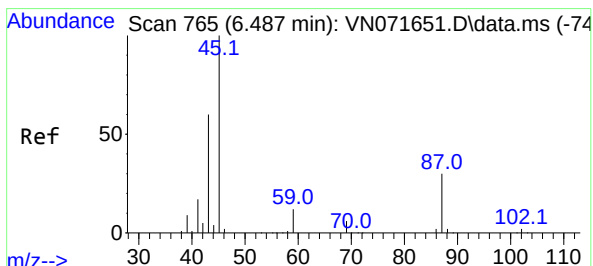
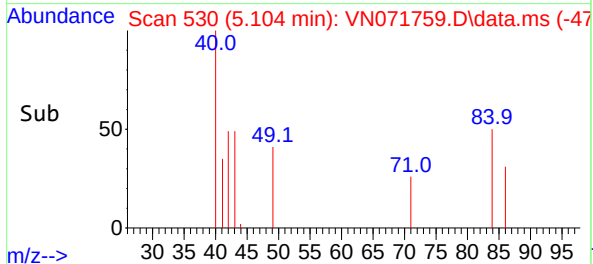
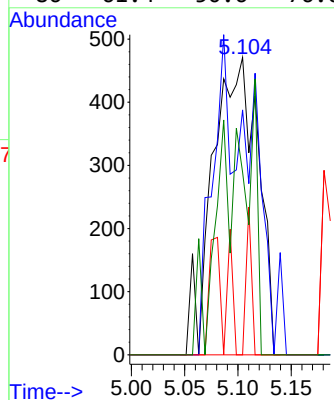
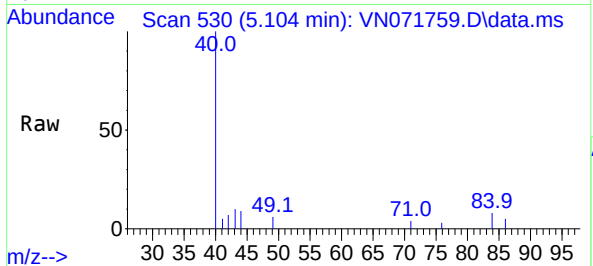


#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Instrument :
MSVOA_N
ClientSampleId :
MW-53

Tgt Ion: 84 Resp: 1390

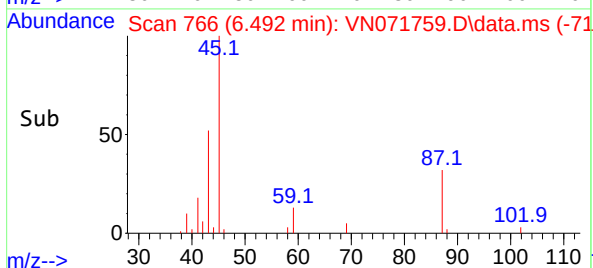
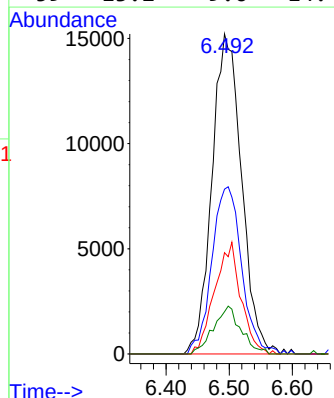
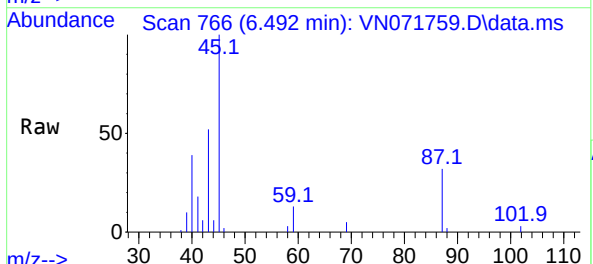
Ion	Ratio	Lower	Upper
84	100		
49	82.4	88.3	132.5#
51	0.0	28.2	42.2#
86	61.4	50.6	76.0

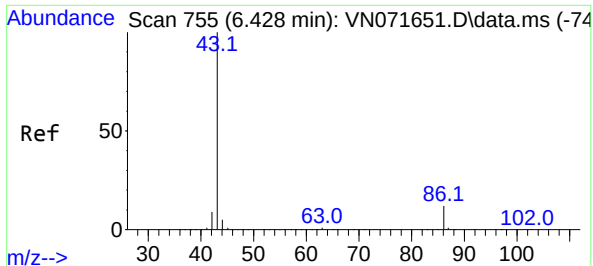


#22
Diisopropyl ether
Concen: 2.719 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 45 Resp: 49519

Ion	Ratio	Lower	Upper
45	100		
43	51.5	46.6	70.0
87	31.6	24.3	36.5
59	13.2	9.6	14.4

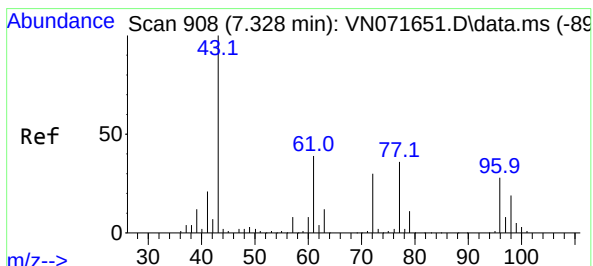
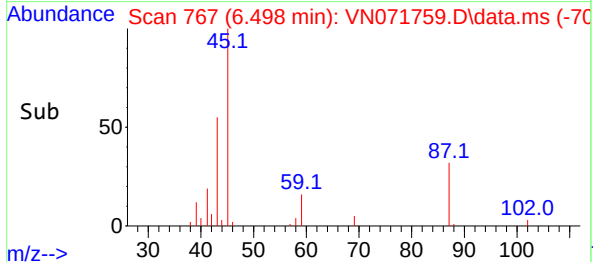
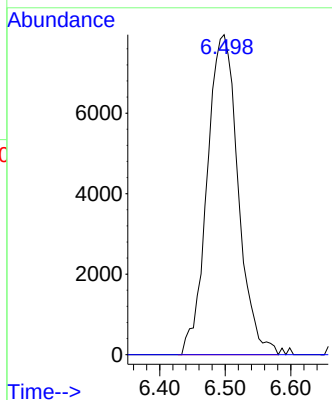
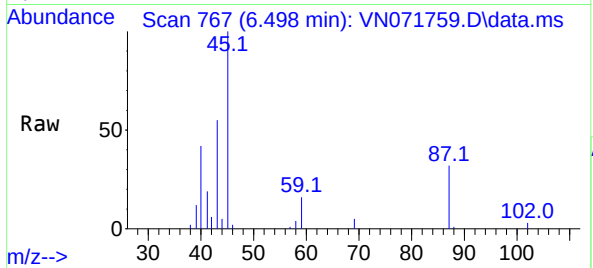




#23
 Vinyl Acetate
 Concen: 1.803 ug/l
 RT: 6.498 min Scan# 70
 Delta R.T. 0.070 min
 Lab File: VN071759.D
 Acq: 01 Apr 2022 17:44

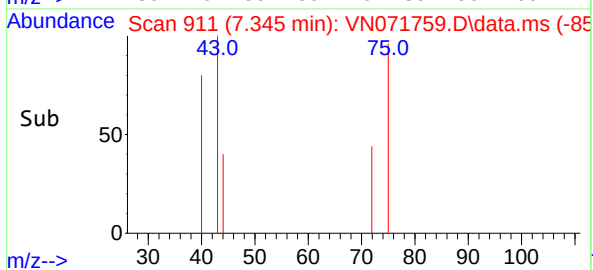
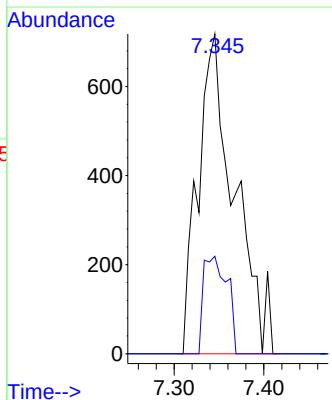
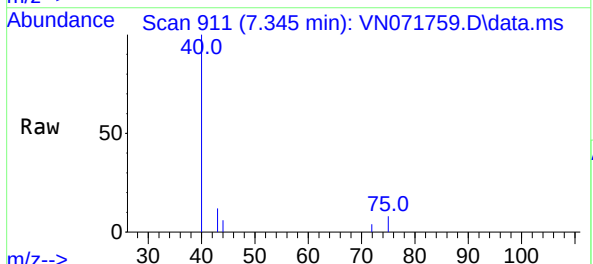
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-53

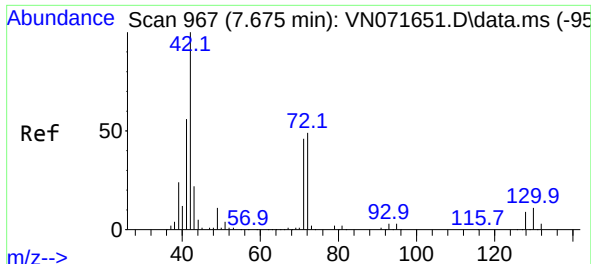
Tgt Ion: 43 Resp: 26106
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 0.459 ug/l
 RT: 7.345 min Scan# 911
 Delta R.T. 0.017 min
 Lab File: VN071759.D
 Acq: 01 Apr 2022 17:44

Tgt Ion: 43 Resp: 2017
 Ion Ratio Lower Upper
 43 100
 72 30.5 23.7 35.5

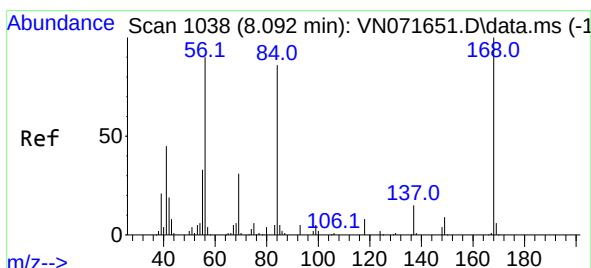
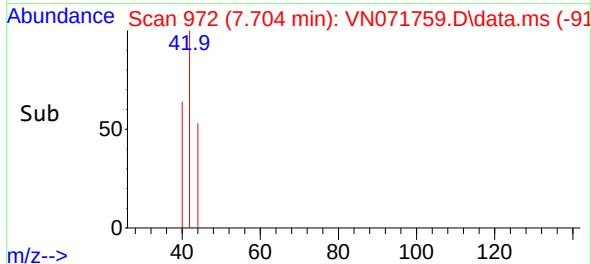
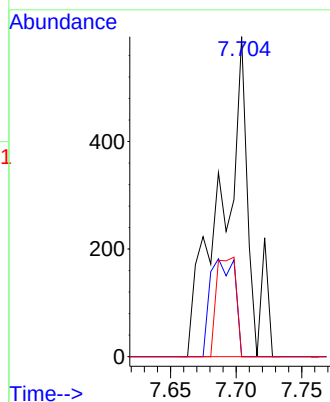
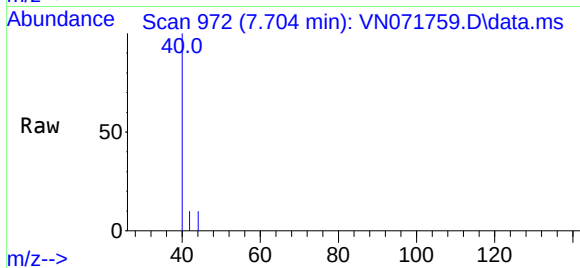




#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

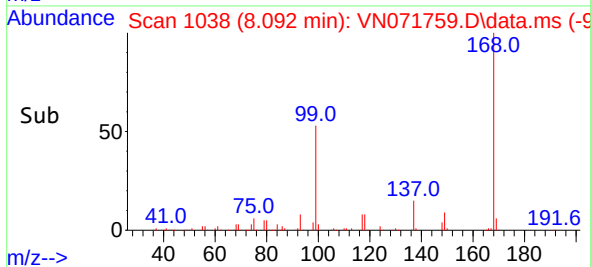
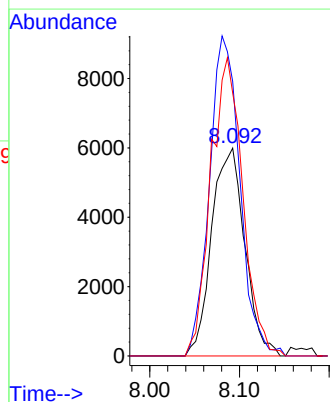
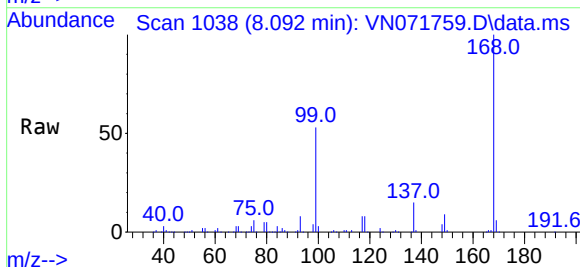
Instrument :
MSVOA_N
ClientSampleId :
MW-53

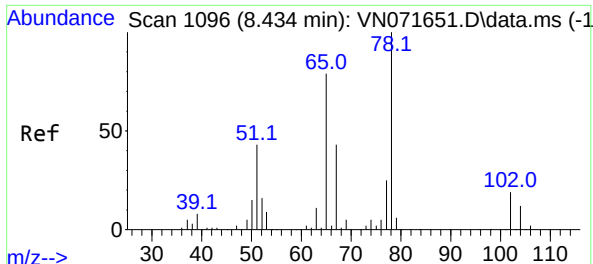
Tgt Ion:	42	Resp:	866
Ion	Ratio	Lower	Upper
42	100		
72	27.3	39.7	59.5#
71	22.1	36.6	55.0#



#31
Cyclohexane
Concen: 1.584 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion:	56	Resp:	15357
Ion	Ratio	Lower	Upper
56	100		
69	132.2	27.8	41.8#
84	126.6	76.9	115.3#

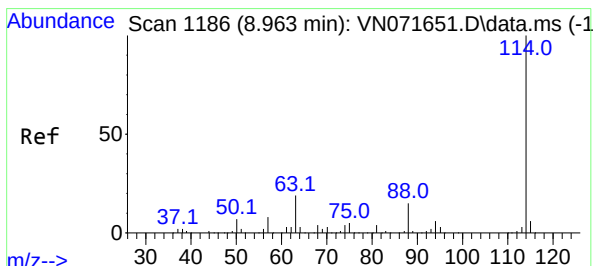
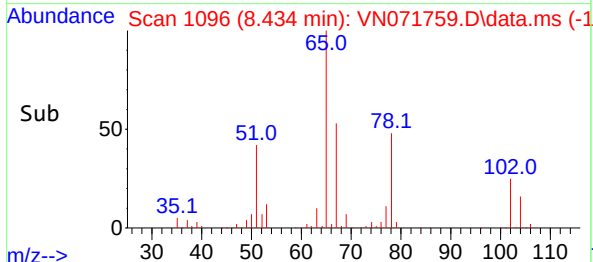
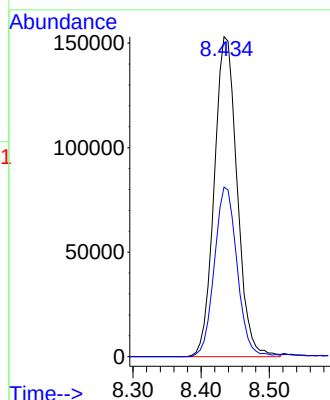
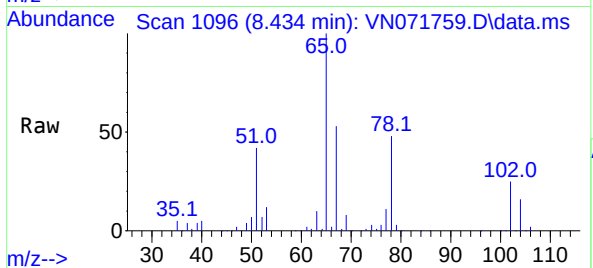




#33
1,2-Dichloroethane-d4
Concen: 50.227 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

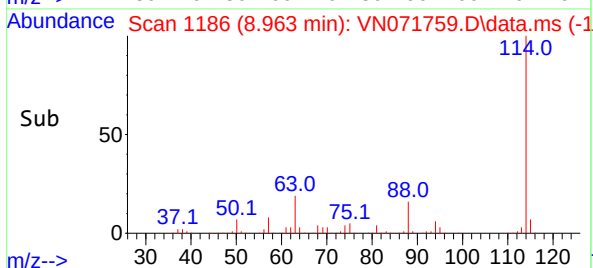
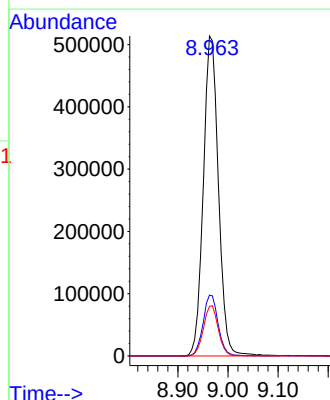
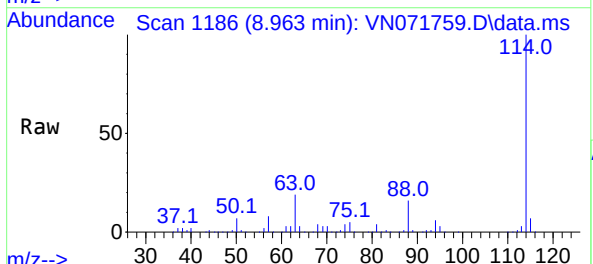
Instrument :
MSVOA_N
ClientSampleId :
MW-53

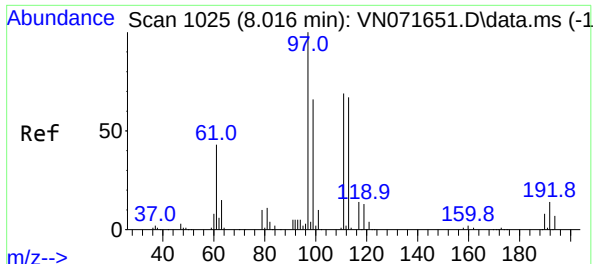
Tgt Ion: 65 Resp: 358005
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion:114 Resp: 1076827
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 15.5 0.0 32.6

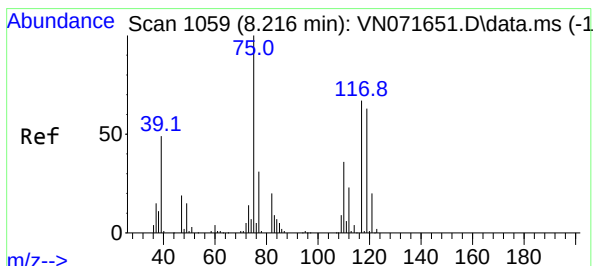
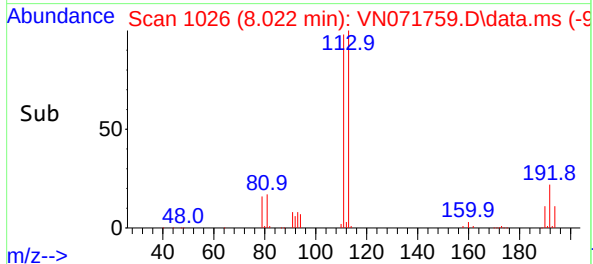
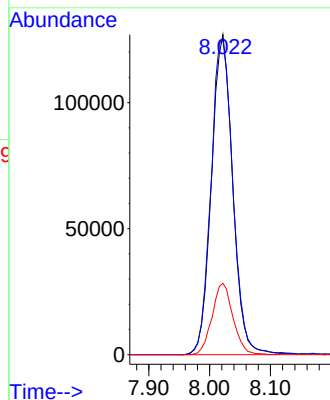
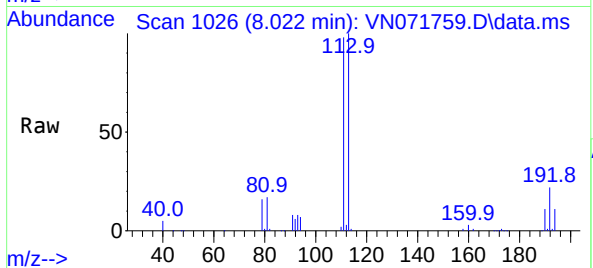




#35
Dibromofluoromethane
Concen: 48.463 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

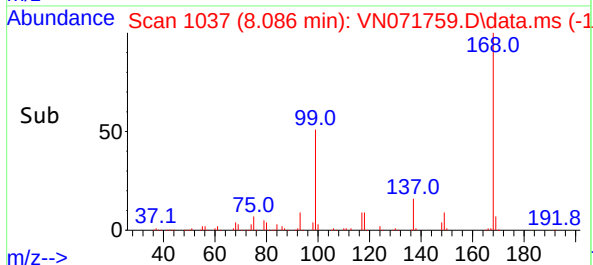
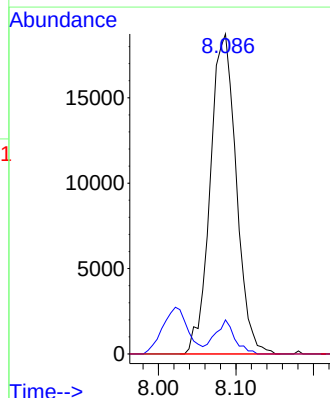
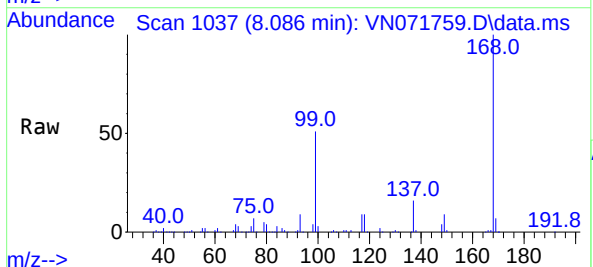
Instrument :
MSVOA_N
ClientSampleId :
MW-53

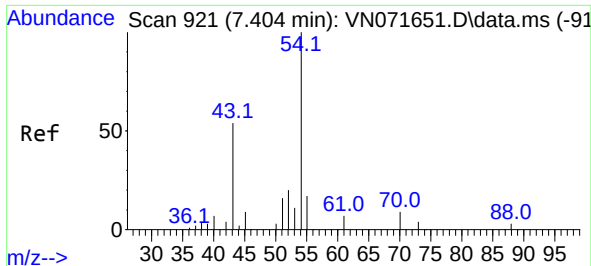
Tgt Ion:113 Resp: 307085
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 75 Resp: 43698
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#

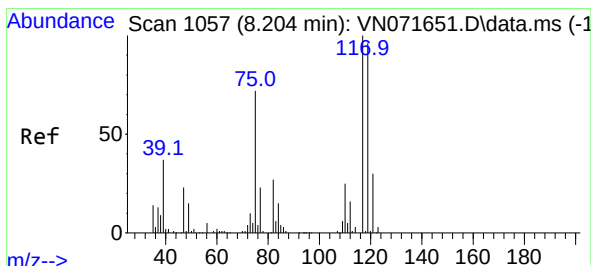
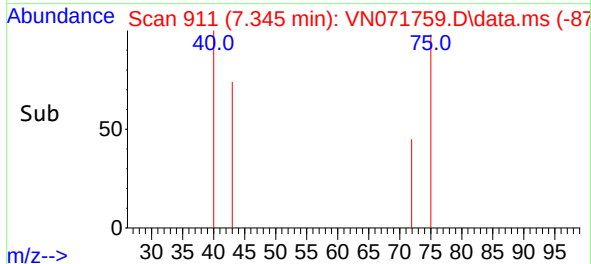
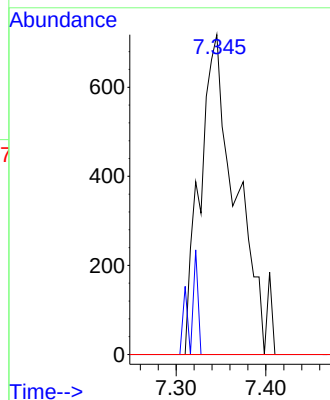
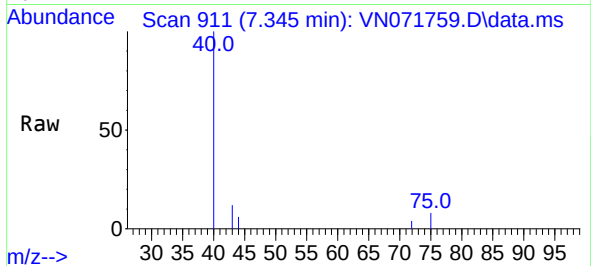




#37
Ethyl Acetate
Concen: 0.208 ug/l
RT: 7.345 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

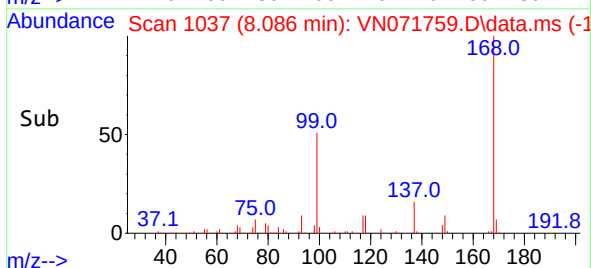
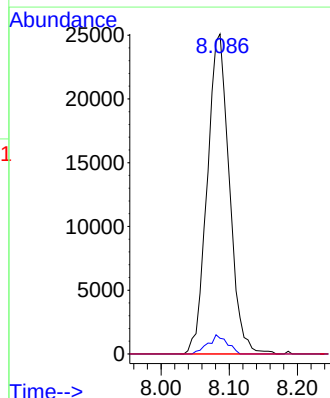
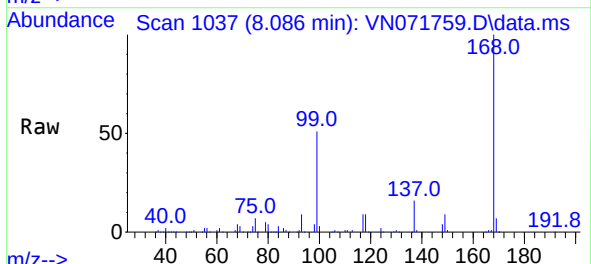
Instrument :
MSVOA_N
ClientSampleId :
MW-53

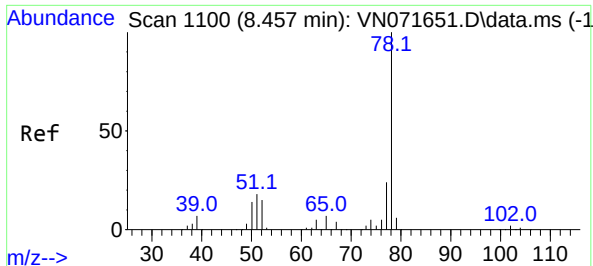
Tgt Ion:	43	Resp:	2017
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.3	13.9#



#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion:	117	Resp:	56470
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.8#
121	0.0	24.6	37.0#

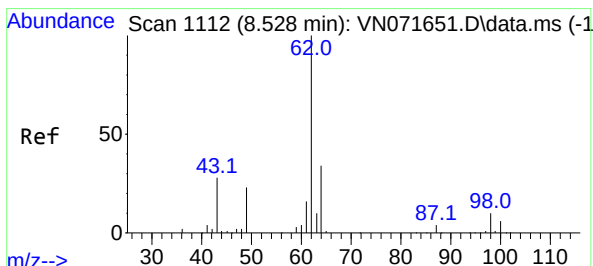
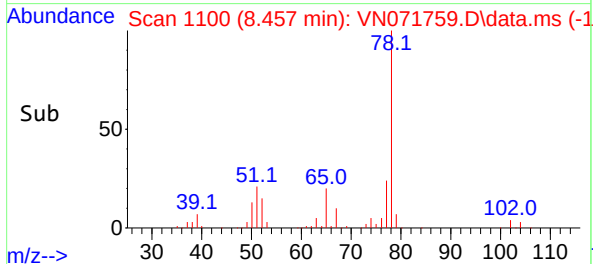
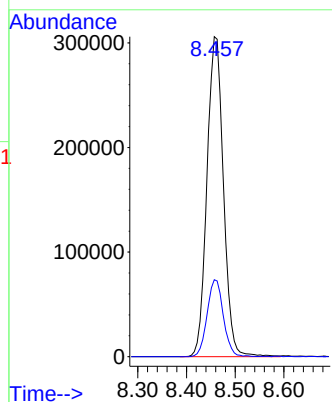
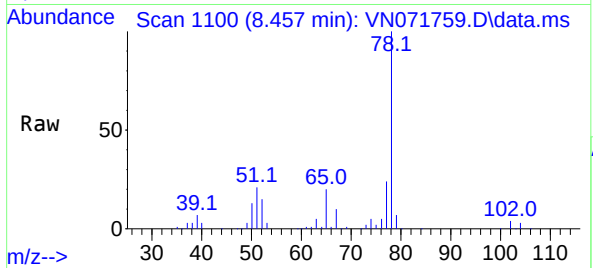




#40
Benzene
Concen: 25.685 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

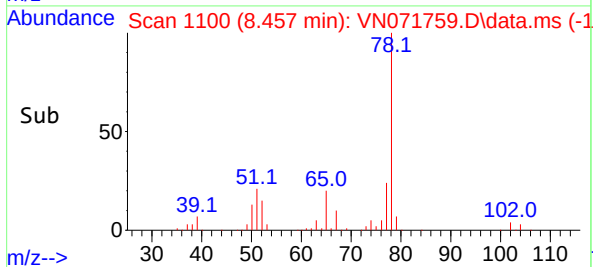
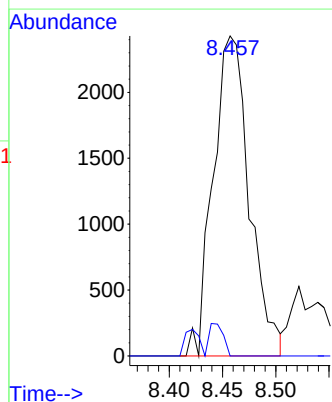
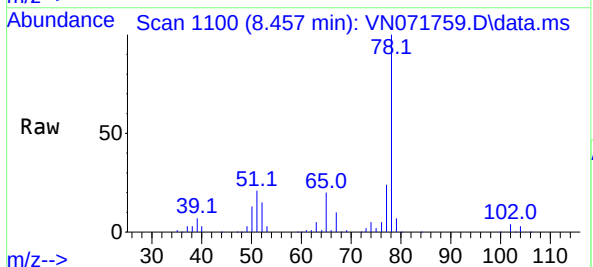
Instrument :
MSVOA_N
ClientSampleId :
MW-53

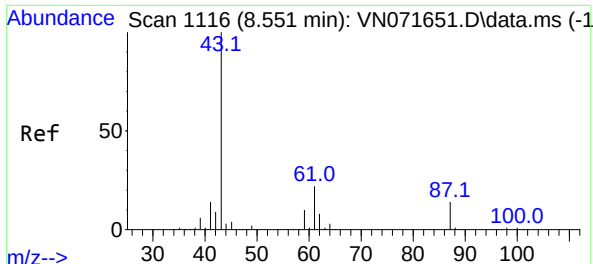
Tgt Ion: 78 Resp: 717962
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



#42
1,2-Dichloroethane
Concen: 0.593 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.071 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 62 Resp: 5734
Ion Ratio Lower Upper
62 100
98 4.0 0.0 19.4

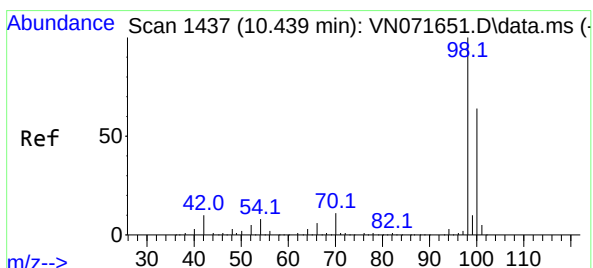
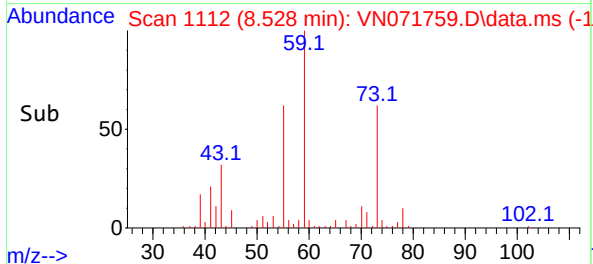
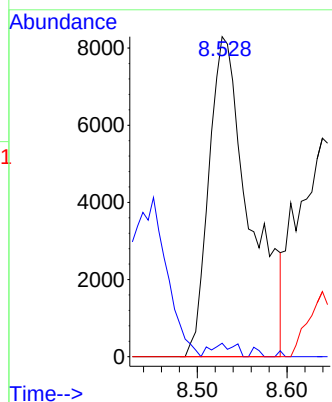
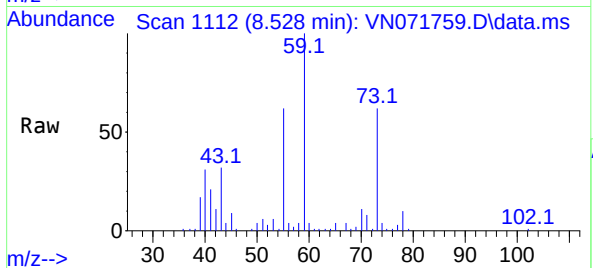




#43
Isopropyl Acetate
Concen: 1.625 ug/l
RT: 8.528 min Scan# 1116
Delta R.T. -0.023 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

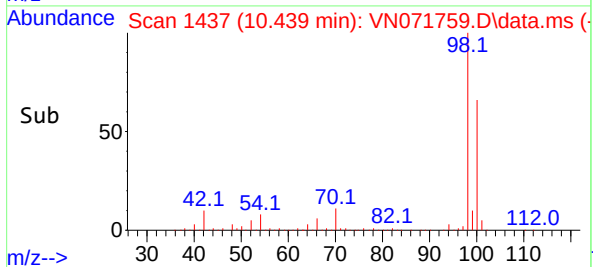
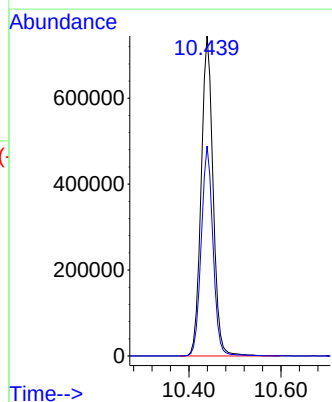
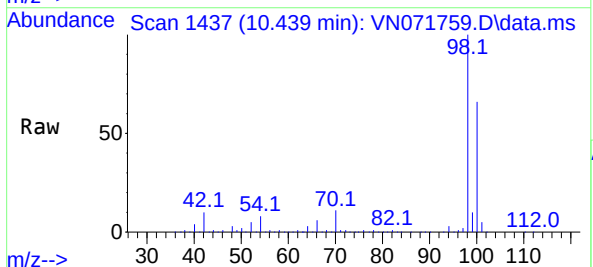
Instrument :
MSVOA_N
ClientSampleId :
MW-53

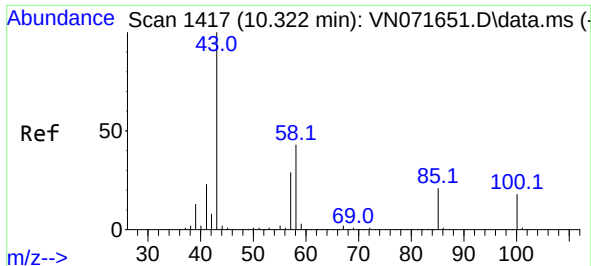
Tgt Ion:	43	Resp:	26181
Ion	Ratio	Lower	Upper
43	100		
61	2.4	21.9	32.9#
87	0.0	12.0	18.0#



#50
Toluene-d8
Concen: 51.779 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion:	98	Resp:	1342180
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8

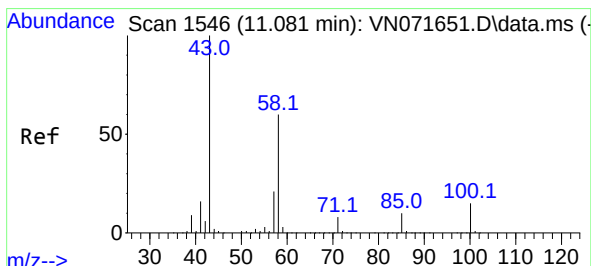
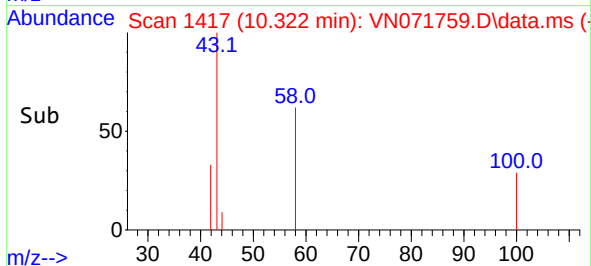
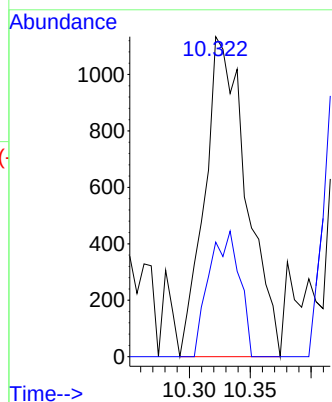
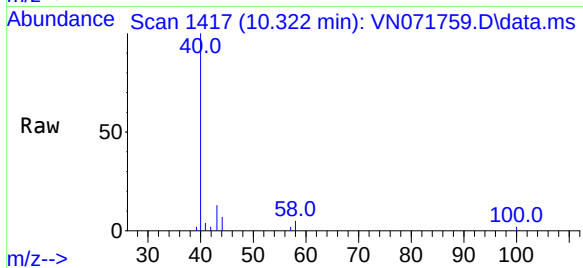




#51
4-Methyl-2-Pentanone
Concen: 0.292 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

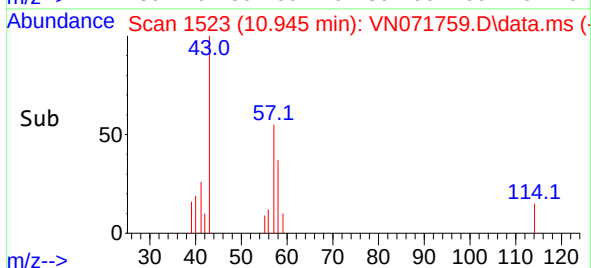
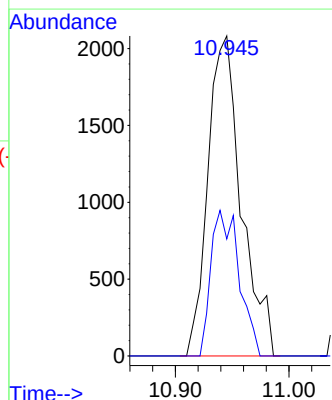
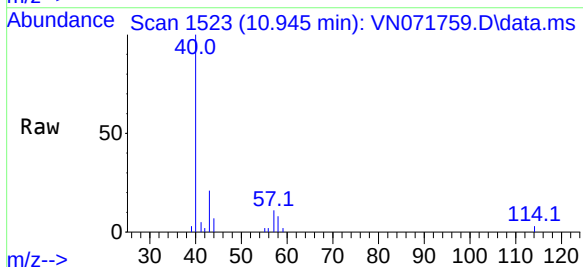
Instrument :
MSVOA_N
ClientSampleId :
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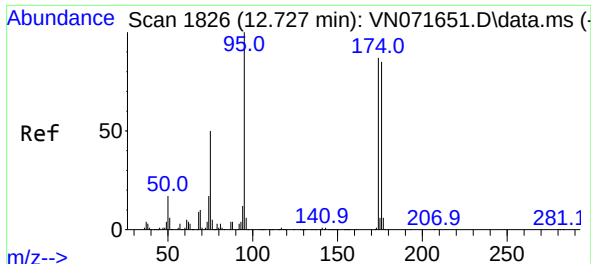
Tgt Ion: 43 Resp: 2707
Ion Ratio Lower Upper
43 100
58 28.7 34.1 51.1#



#59
2-Hexanone
Concen: 0.653 ug/l
RT: 10.945 min Scan# 1523
Delta R.T. -0.136 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 43 Resp: 4255
Ion Ratio Lower Upper
43 100
58 38.2 29.7 89.1

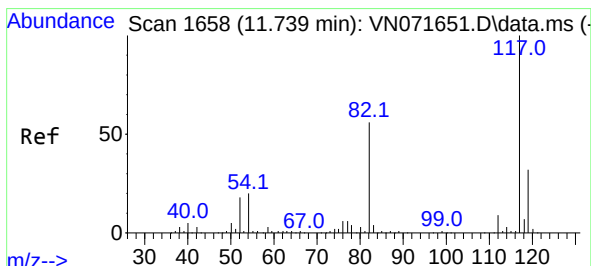
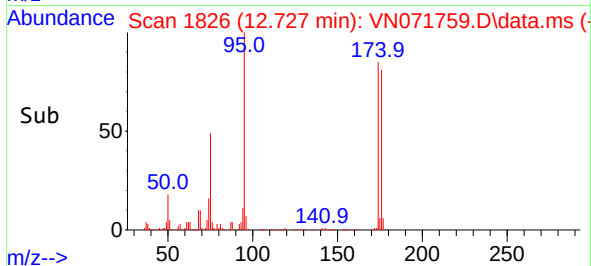
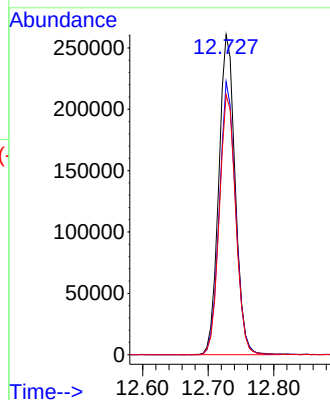
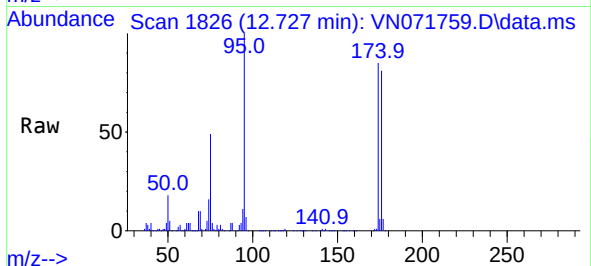




#62
4-Bromofluorobenzene
Concen: 53.720 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

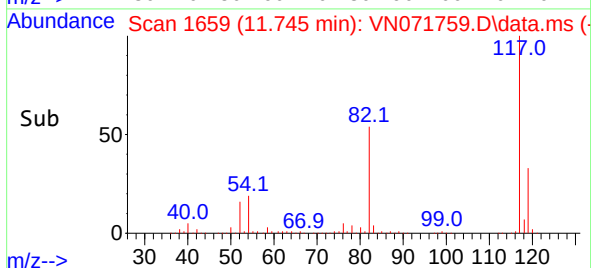
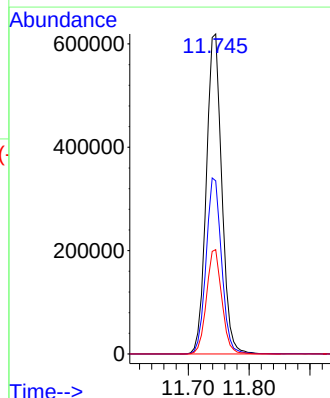
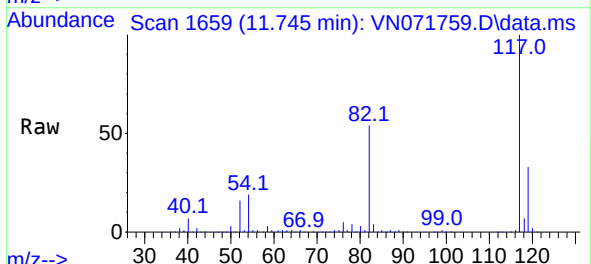
Instrument :
MSVOA_N
ClientSampleId :
MW-53

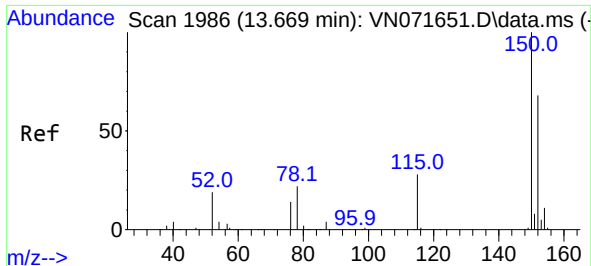
Tgt Ion: 95 Resp: 450355
Ion Ratio Lower Upper
95 100
174 84.3 0.0 167.6
176 81.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion: 117 Resp: 1095298
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.6 25.4 38.0

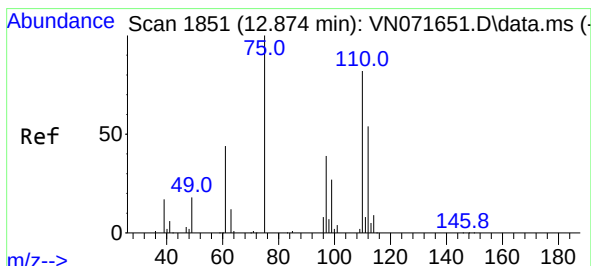
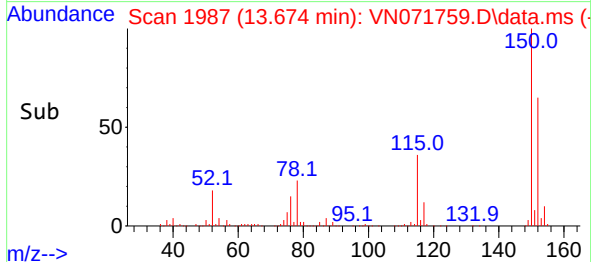
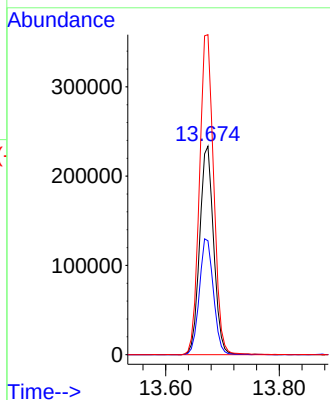
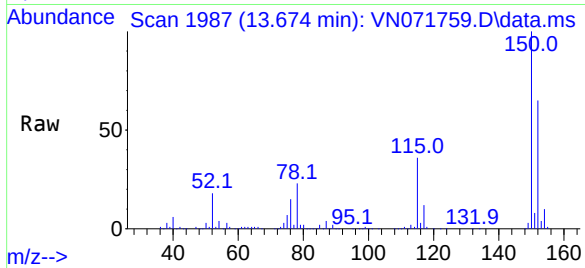




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN071759.D
 Acq: 01 Apr 2022 17:44

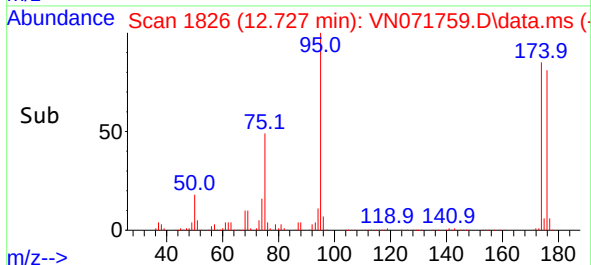
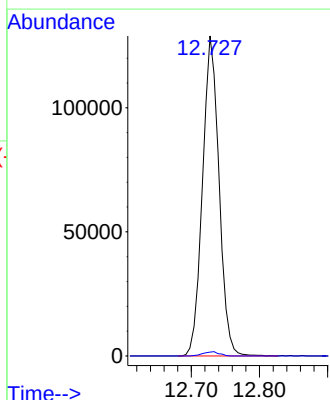
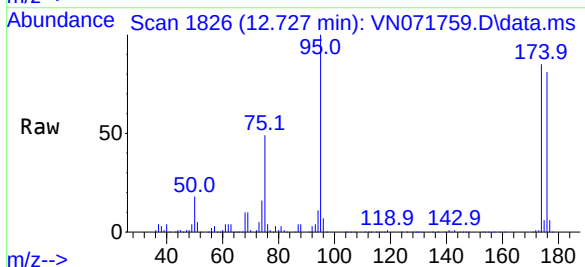
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-53

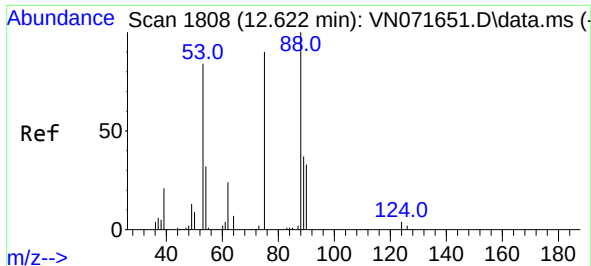
Tgt Ion:152 Resp: 399035
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 156.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.510 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071759.D
 Acq: 01 Apr 2022 17:44

Tgt Ion: 75 Resp: 217326
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

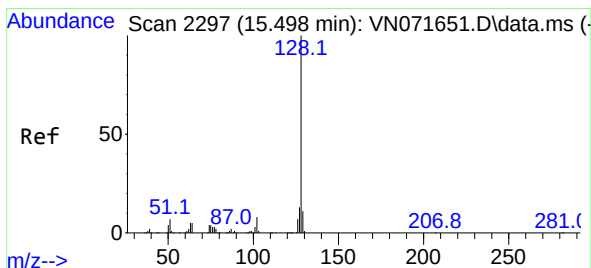
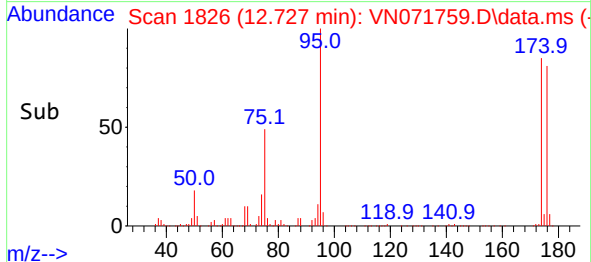
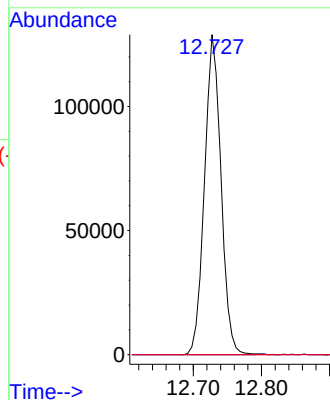
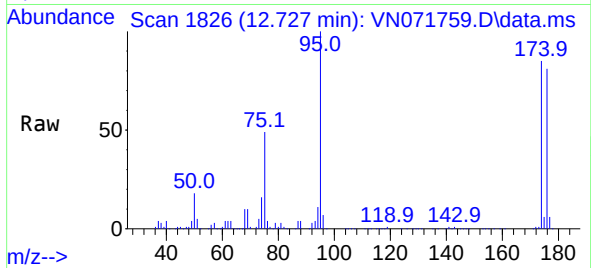




#81
trans-1,4-Dichloro-2-butene
Concen: 72.857 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Instrument :
MSVOA_N
ClientSampleId :
MW-53

Tgt Ion: 75 Resp: 217326
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.829 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN071759.D
Acq: 01 Apr 2022 17:44

Tgt Ion:128 Resp: 504
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

