

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070403.D
 Acq On : 30 Dec 2021 16:49
 Operator : JC/MD
 Sample : M5212-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50DA

Quant Time: Dec 31 05:20:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

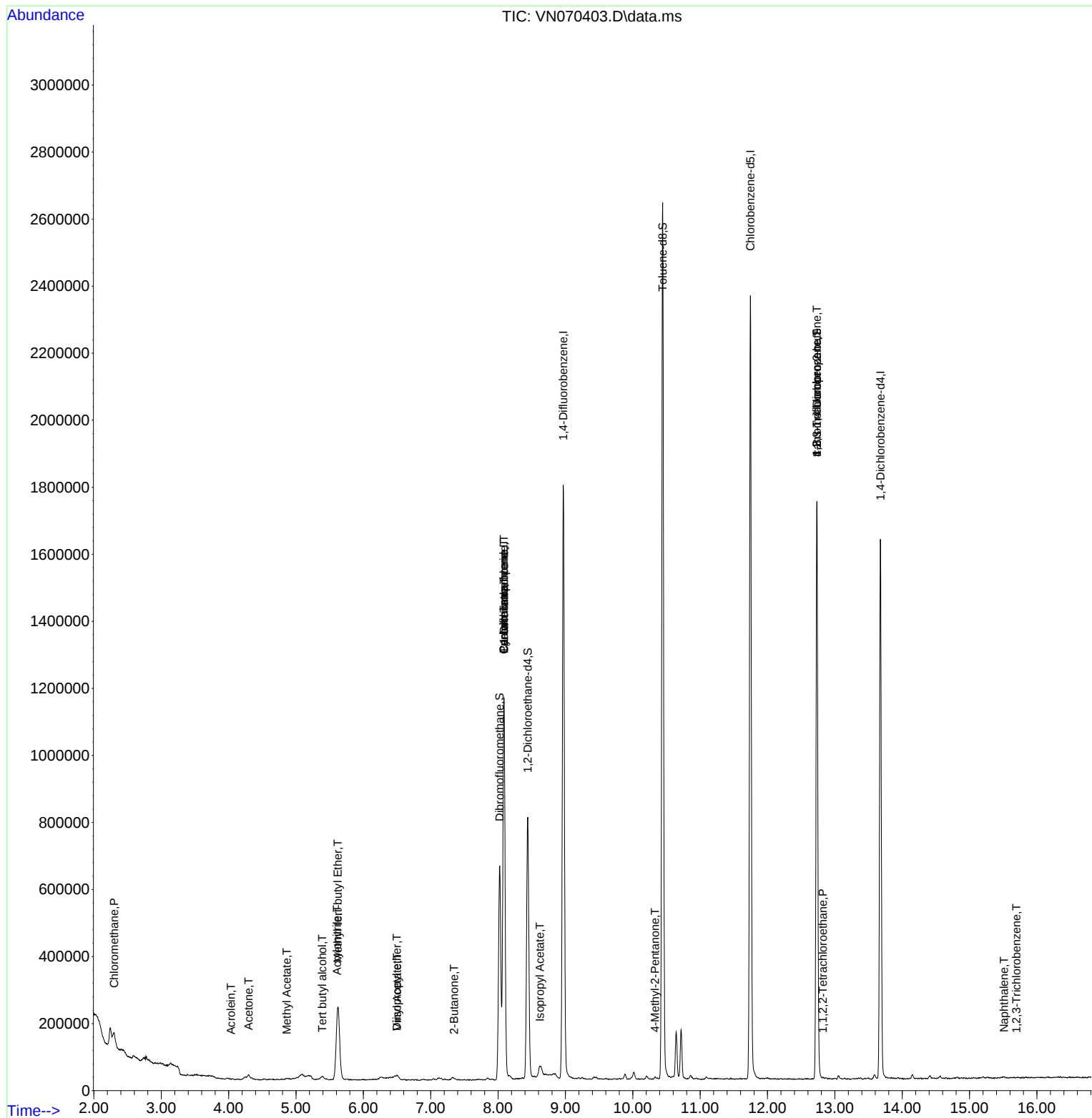
Internal Standards						
1) Pentafluorobenzene	8.088	168	877717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1508246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1338129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	436055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	667967	52.930	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.860%
35) Dibromofluoromethane	8.024	113	467790	51.261	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.520%
50) Toluene-d8	10.443	98	1801124	48.314	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.734	95	624113	46.353	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.700%
Target Compounds						
						Qvalue
3) Chloromethane	2.301	50	3439	0.254	ug/l	92
11) Tert butyl alcohol	5.390	59	17231	8.200	ug/l #	71
13) Acrolein	4.033	56	467	0.274	ug/l #	52
15) Acrylonitrile	5.608	53	1683	0.257	ug/l #	29
16) Acetone	4.296	43	23678	2.890	ug/l	90
18) Methyl Acetate	4.862	43	6597	0.278	ug/l #	63
19) Methyl tert-butyl Ether	5.621	73	332663	10.021	ug/l	93
22) Diisopropyl ether	6.498	45	17677	0.448	ug/l #	88
23) Vinyl Acetate	6.501	43	10171	0.332	ug/l #	72
25) 2-Butanone	7.348	43	4690	0.455	ug/l	99
31) Cyclohexane	8.086	56	22663	1.138	ug/l #	21
36) 1,1-Dichloropropene	8.088	75	72504	4.803	ug/l #	43
38) Carbon Tetrachloride	8.088	117	86579	6.006	ug/l #	16
43) Isopropyl Acetate	8.619	43	11989	0.389	ug/l #	62
51) 4-Methyl-2-Pentanone	10.331	43	4292	0.221	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.822	83	150	0.457	ug/l #	25
76) 1,2,3-Trichloropropane	12.734	75	328732	26.806	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	328732	92.106	ug/l #	5
95) Naphthalene	15.509	128	3710	1.977	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.697	180	515	0.900	ug/l #	39

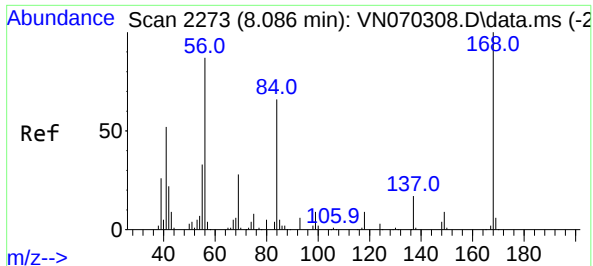
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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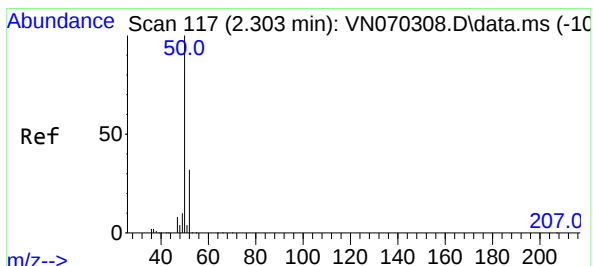
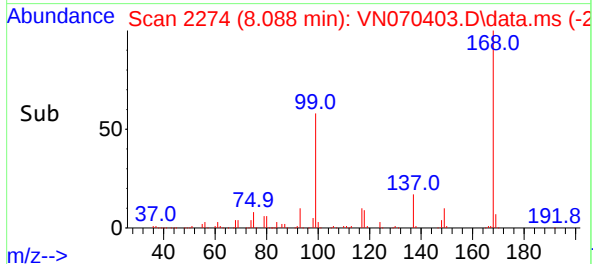
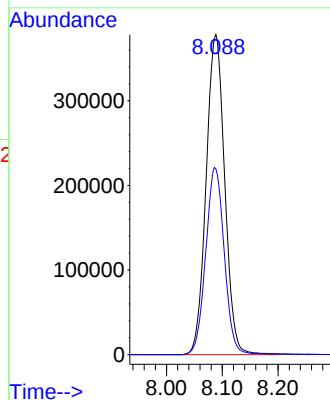
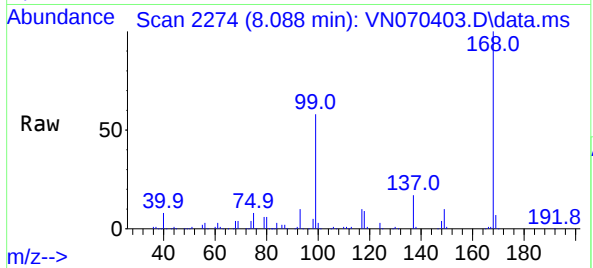




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

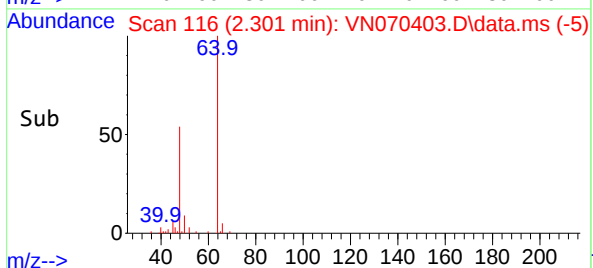
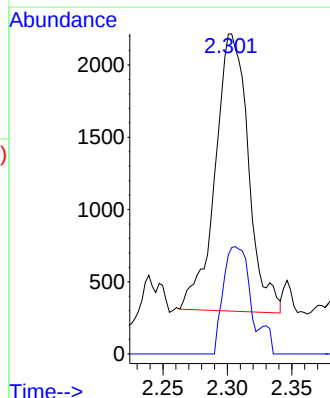
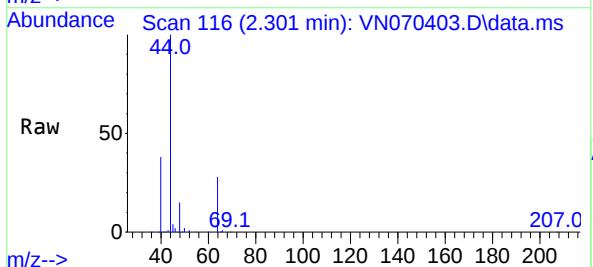
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

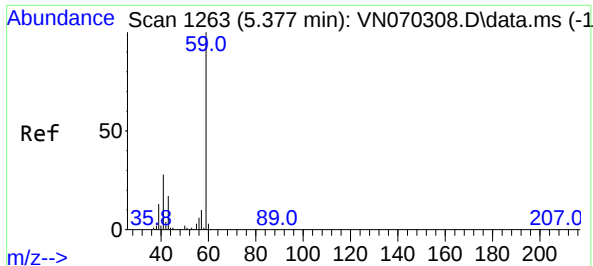
Tgt Ion:168 Resp: 877717
Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9



#3
Chloromethane
Concen: 0.254 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 50 Resp: 3439
Ion Ratio Lower Upper
50 100
52 36.1 25.4 38.0

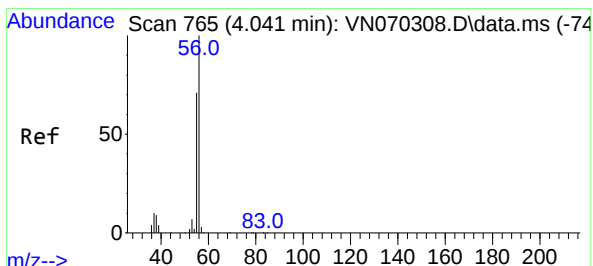
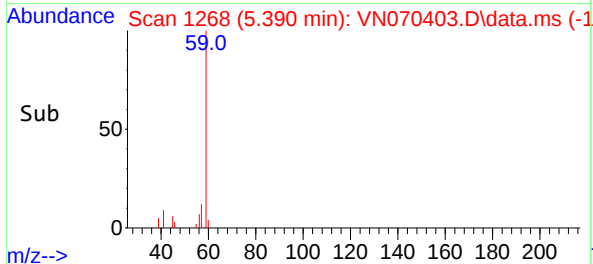
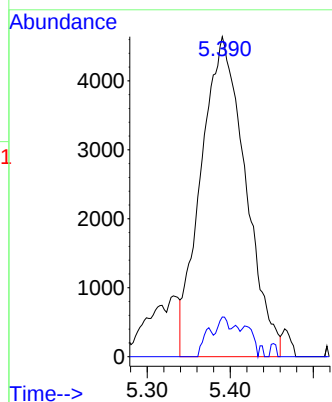
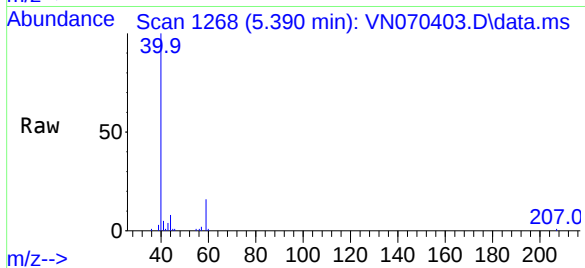




#11
Tert butyl alcohol
Concen: 8.200 ug/l
RT: 5.390 min Scan# 11
Delta R.T. 0.013 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

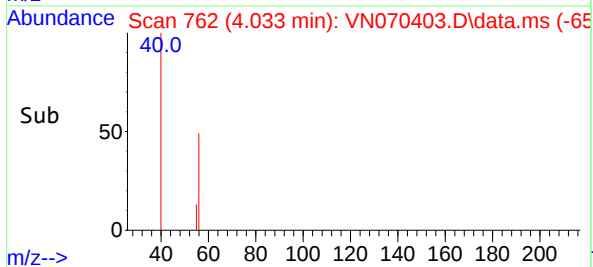
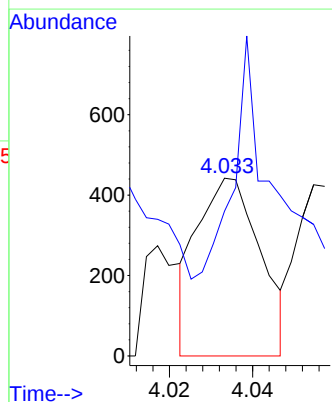
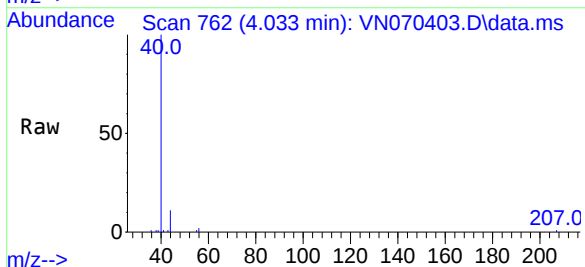
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

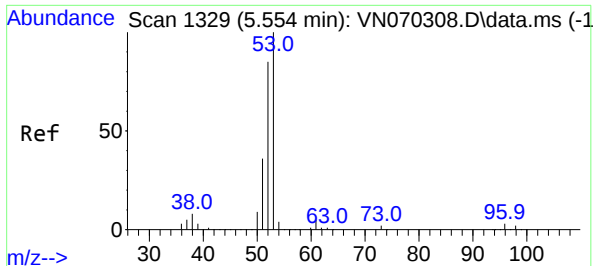
Tgt Ion: 59 Resp: 17231
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.274 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 56 Resp: 467
Ion Ratio Lower Upper
56 100
55 110.1 56.6 85.0#

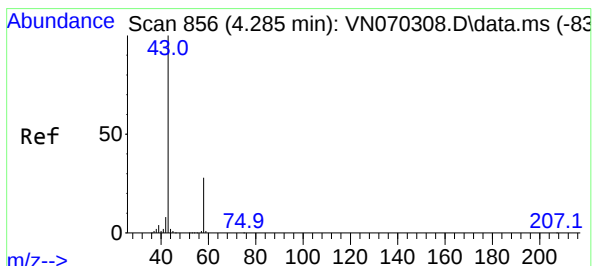
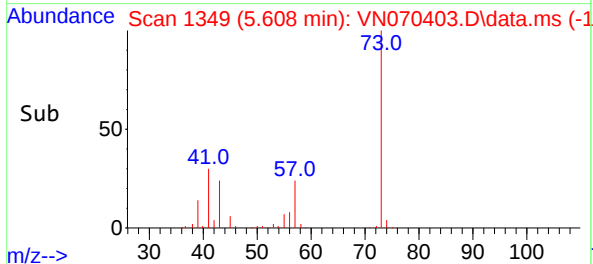
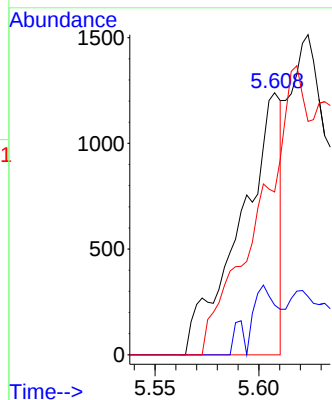
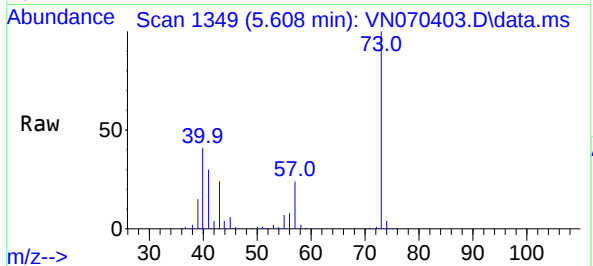




#15
Acrylonitrile
Concen: 0.257 ug/l
RT: 5.608 min Scan# 11
Delta R.T. 0.054 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

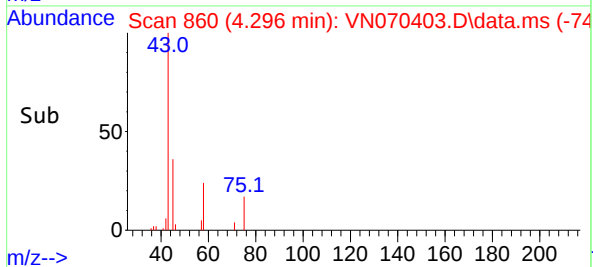
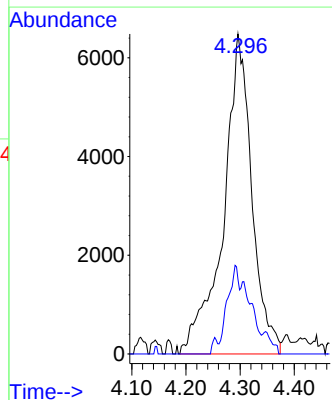
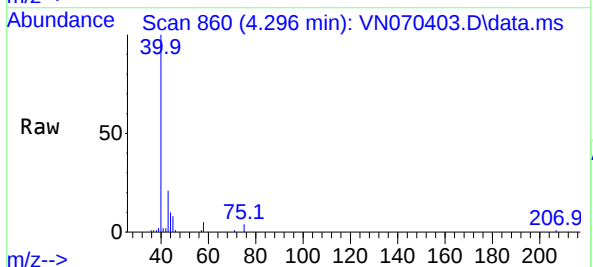
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

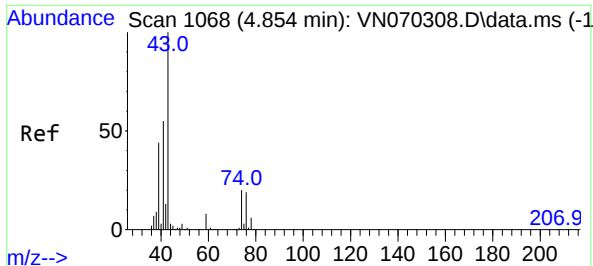
Tgt Ion: 53 Resp: 1683
Ion Ratio Lower Upper
53 100
52 14.8 66.2 99.2#
51 0.0 29.6 44.4#



#16
Acetone
Concen: 2.890 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 43 Resp: 23678
Ion Ratio Lower Upper
43 100
58 23.3 23.1 34.7





#18

Methyl Acetate

Concen: 0.278 ug/l

RT: 4.862 min Scan# 1068

Delta R.T. 0.008 min

Lab File: VN070403.D

Acq: 30 Dec 2021 16:49

Instrument :

MSVOA_N

ClientSampleId :

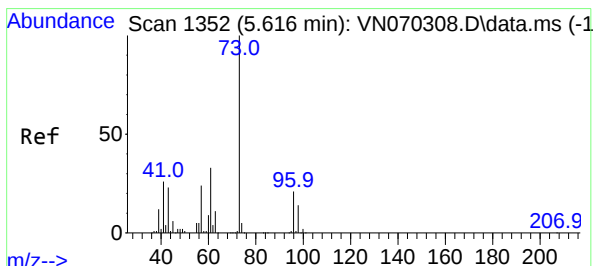
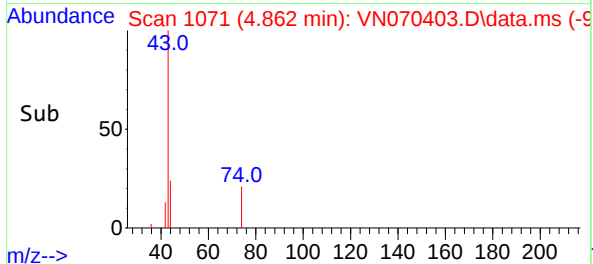
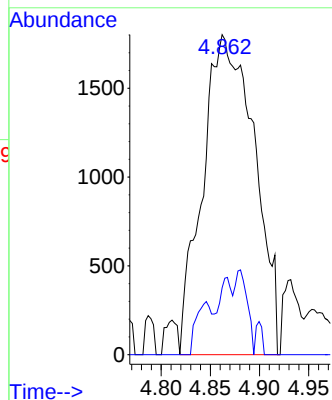
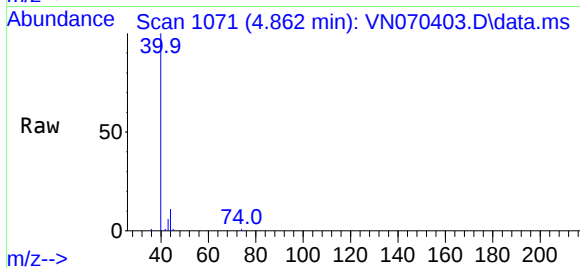
MW-50DA

Tgt Ion: 43 Resp: 6597

Ion Ratio Lower Upper

43 100

74 6.0 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 10.021 ug/l

RT: 5.621 min Scan# 1354

Delta R.T. 0.005 min

Lab File: VN070403.D

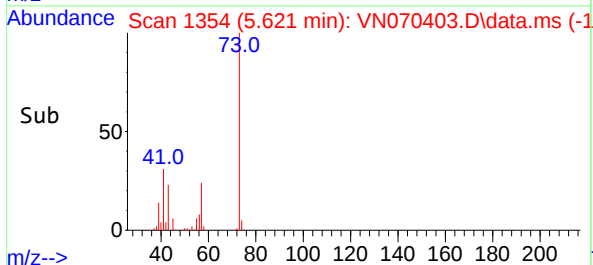
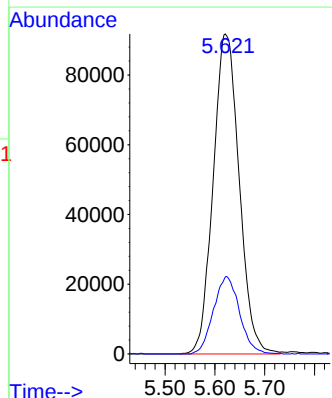
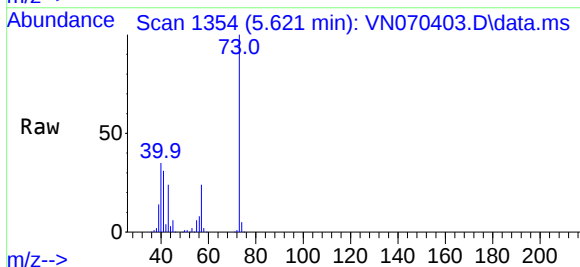
Acq: 30 Dec 2021 16:49

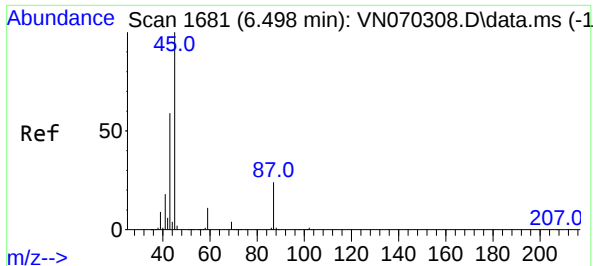
Tgt Ion: 73 Resp: 332663

Ion Ratio Lower Upper

73 100

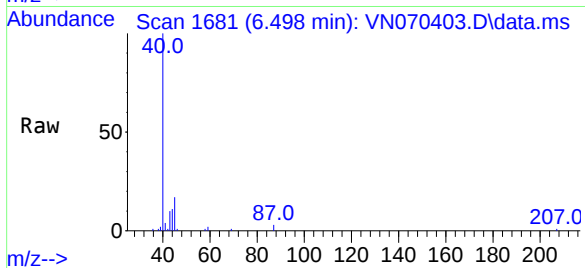
57 24.1 16.8 25.2



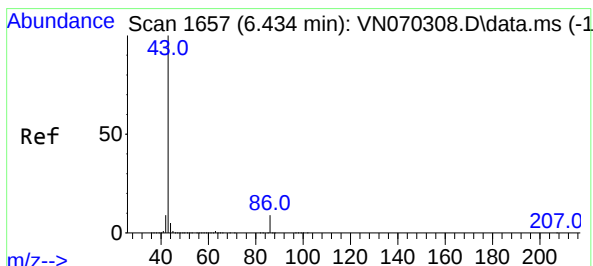
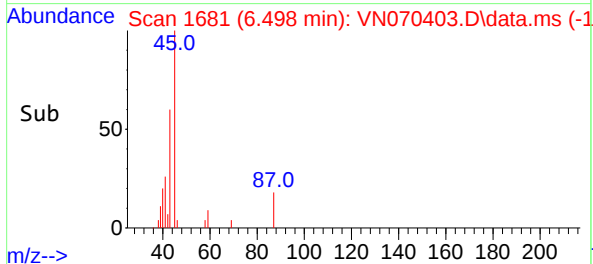
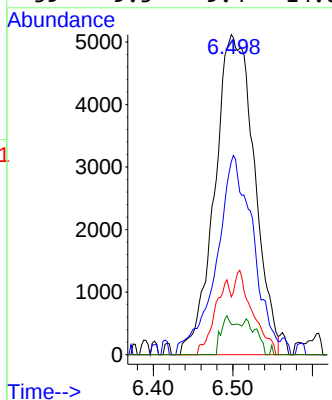


#22
Diisopropyl ether
Concen: 0.448 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

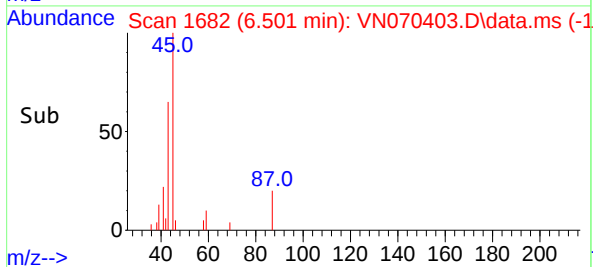
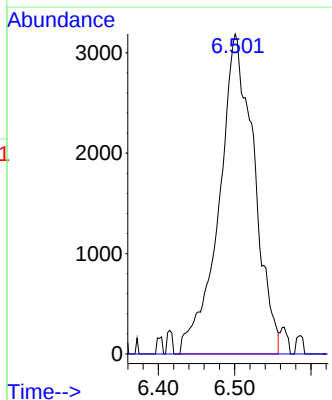
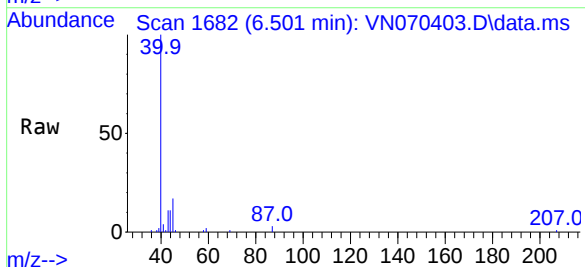


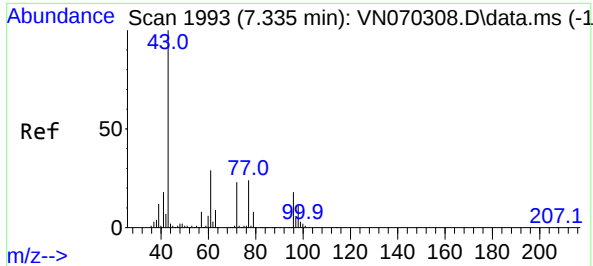
Tgt Ion: 45	Resp: 17677
Ion Ratio	Lower Upper
45 100	
43 57.0	51.7 77.5
87 18.0	23.2 34.8#
59 9.5	9.4 14.0



#23
Vinyl Acetate
Concen: 0.332 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.067 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 43	Resp: 10171
Ion Ratio	Lower Upper
43 100	
86 0.0	8.5 12.7#

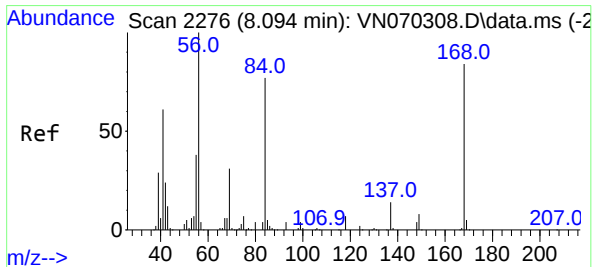
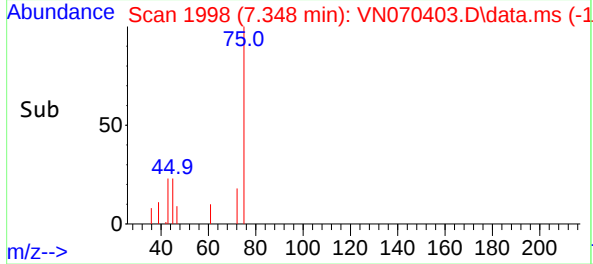
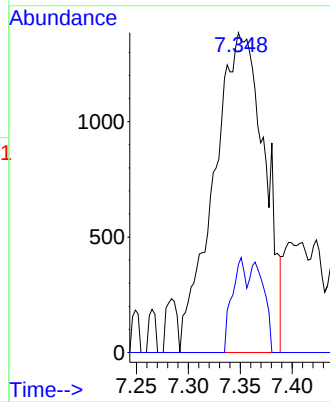
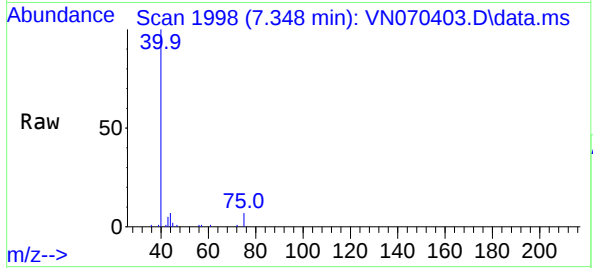




#25
2-Butanone
Concen: 0.455 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

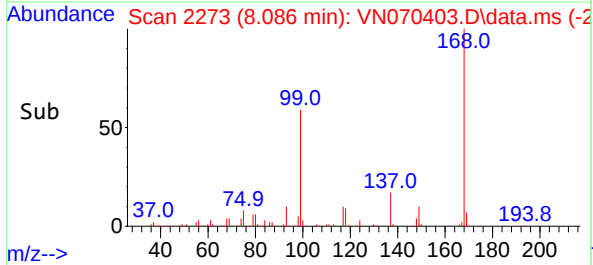
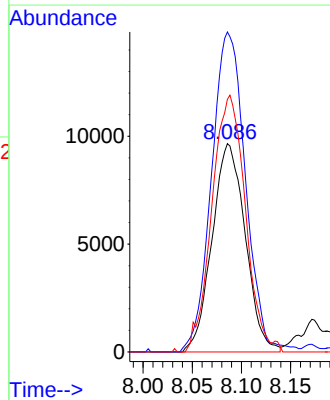
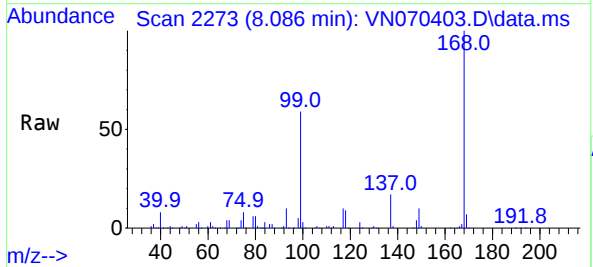
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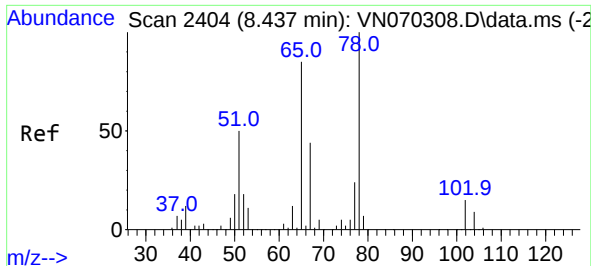
Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
72 27.5 21.7 32.5



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 56 Resp: 22663
Ion Ratio Lower Upper
56 100
69 153.7 27.1 40.7#
84 121.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.930 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070403.D

Acq: 30 Dec 2021 16:49

Instrument :

MSVOA_N

ClientSampleId :

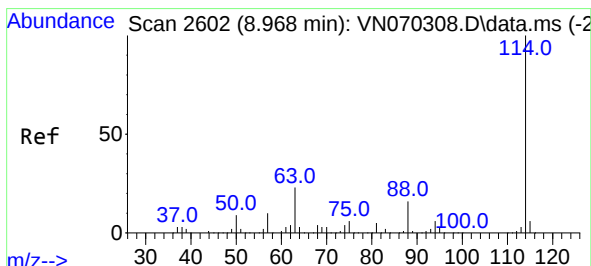
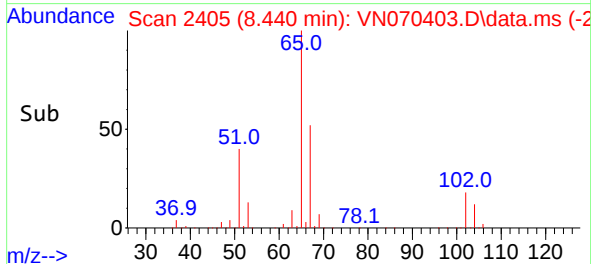
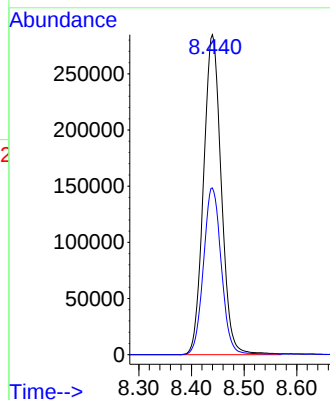
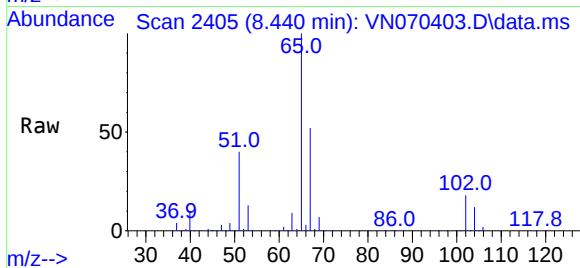
MW-50DA

Tgt Ion: 65 Resp: 667967

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070403.D

Acq: 30 Dec 2021 16:49

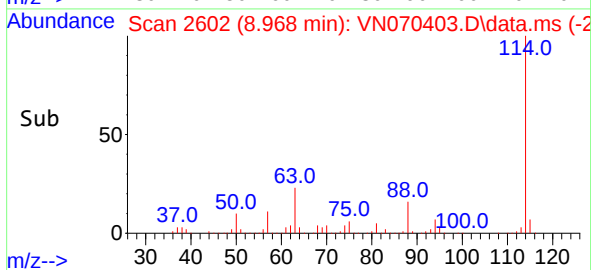
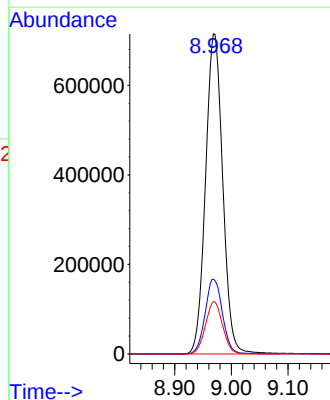
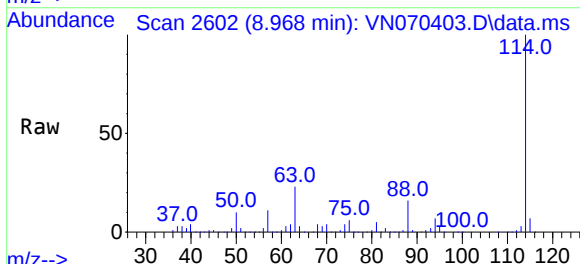
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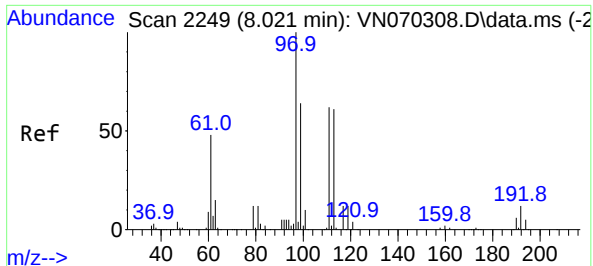
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.4 0.0 27.4

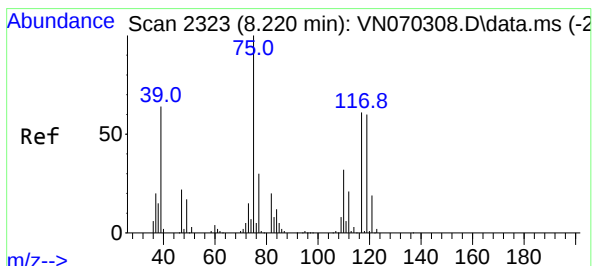
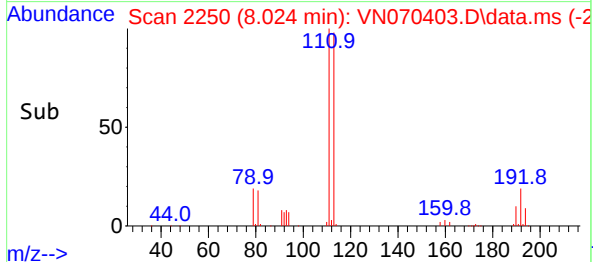
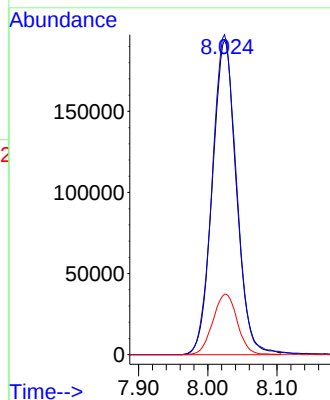
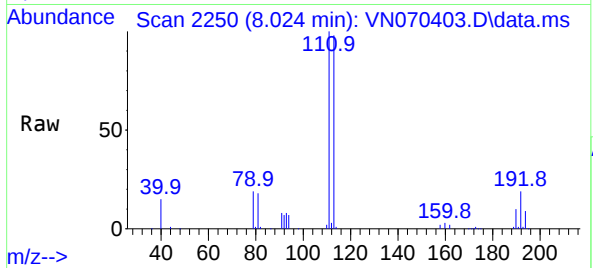




#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

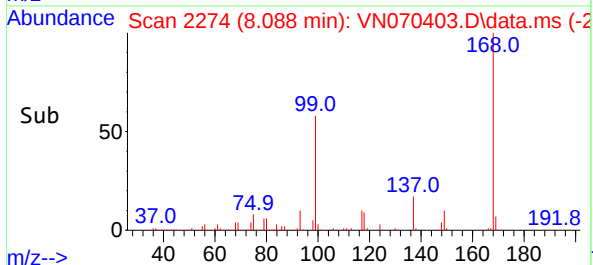
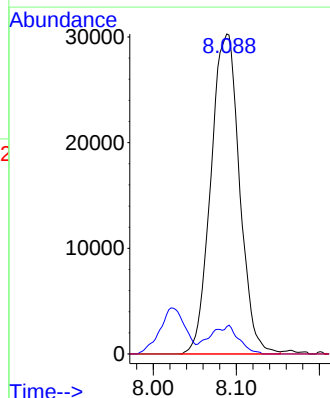
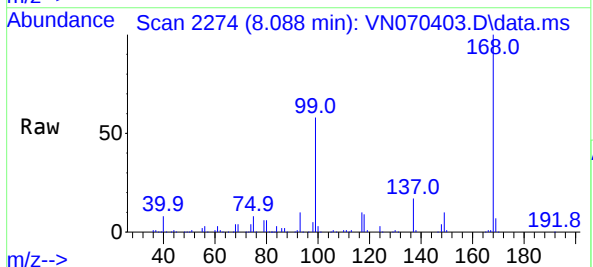
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

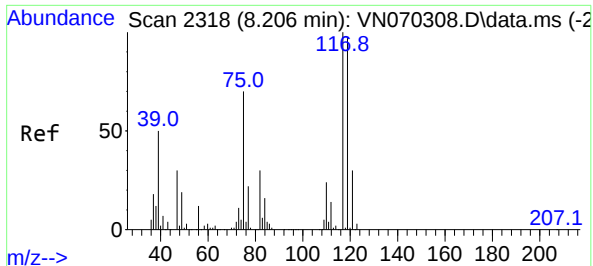
Tgt Ion:113 Resp: 467790
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.132 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 75 Resp: 72504
Ion Ratio Lower Upper
75 100
110 2.1 18.4 55.2#
77 0.0 24.4 36.6#

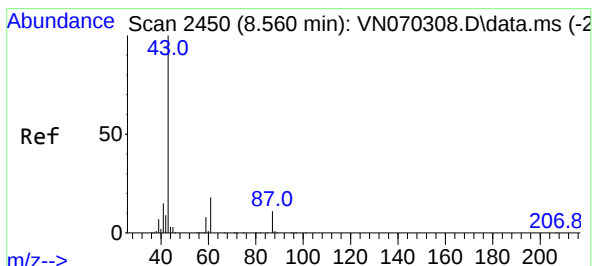
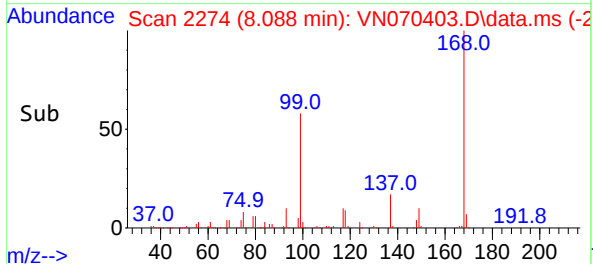
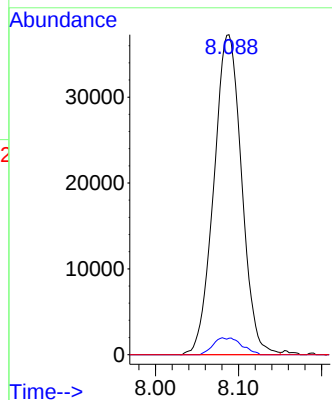
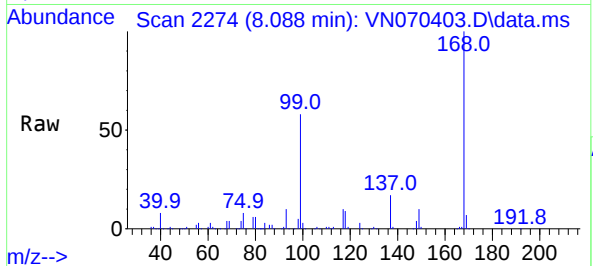




#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

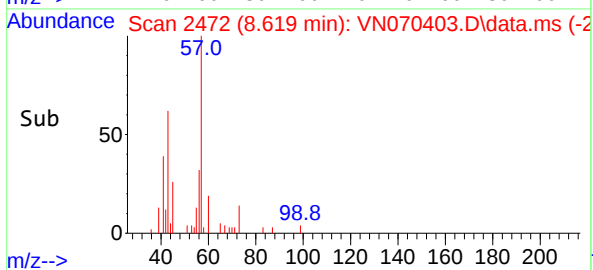
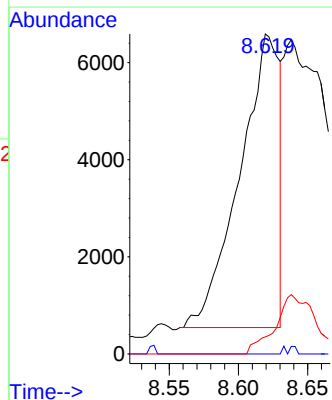
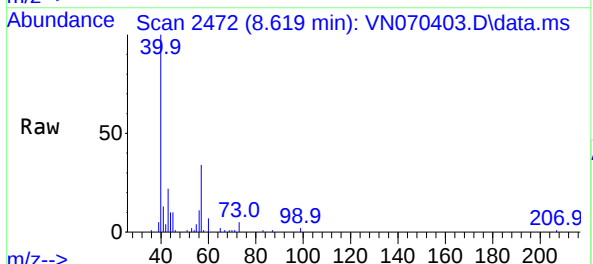
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

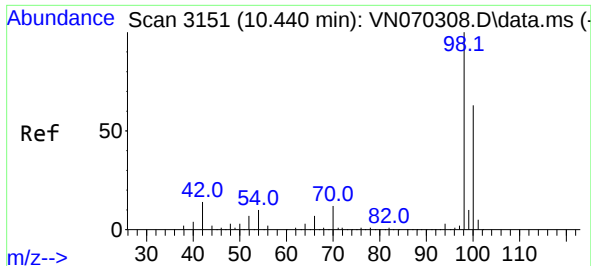
Tgt Ion:117 Resp: 86579
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.389 ug/l
RT: 8.619 min Scan# 2472
Delta R.T. 0.059 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 43 Resp: 11989
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 20.7 11.2 16.8#

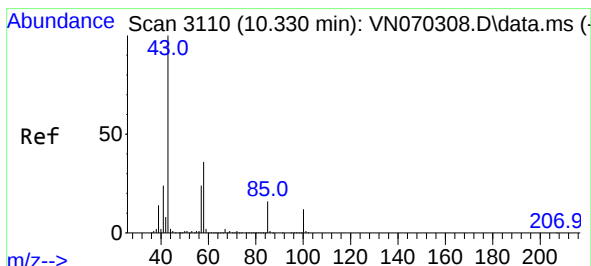
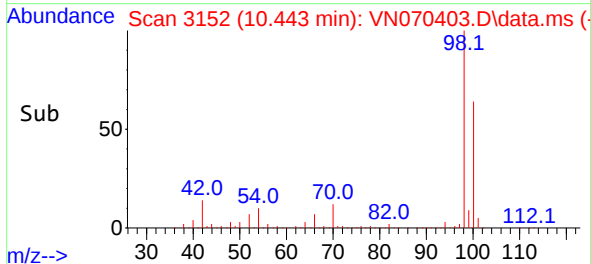
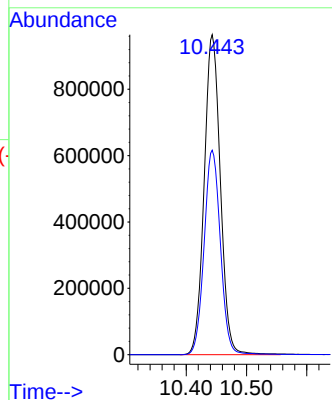
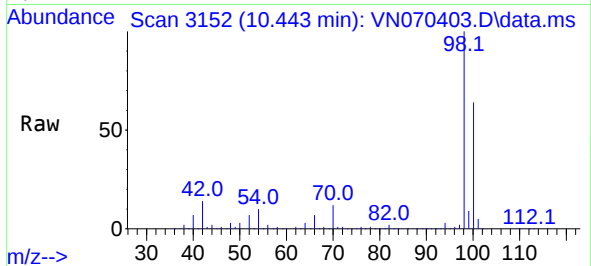




#50
Toluene-d8
Concen: 48.314 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

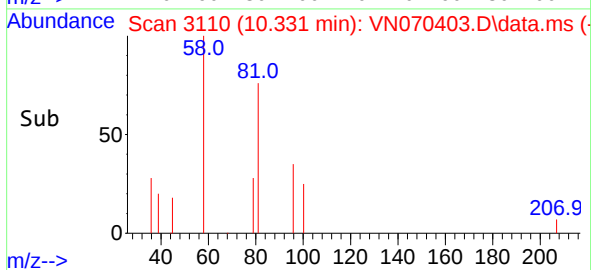
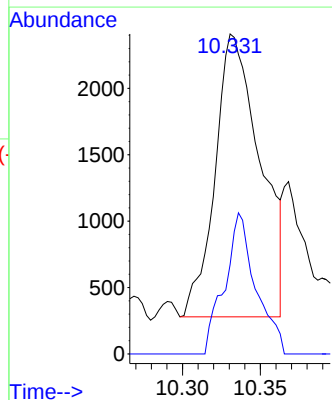
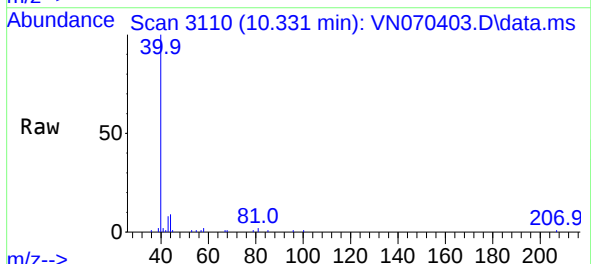
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

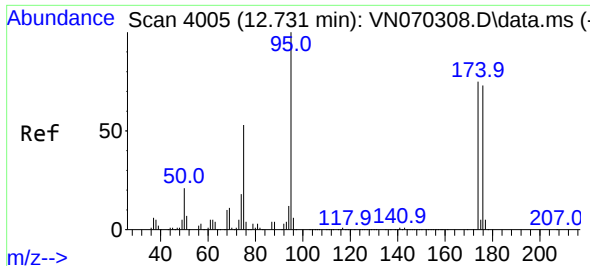
Tgt Ion: 98 Resp: 1801124
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
58 34.5 30.4 45.6

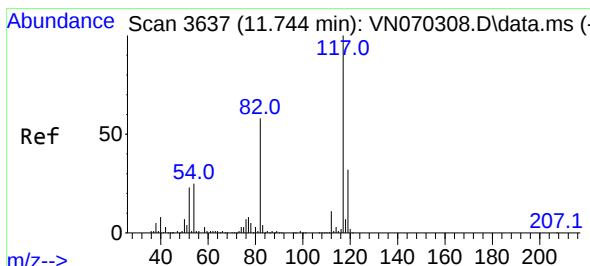
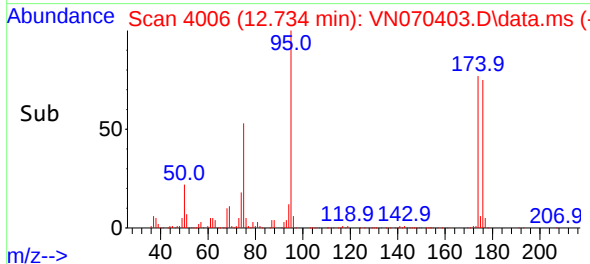
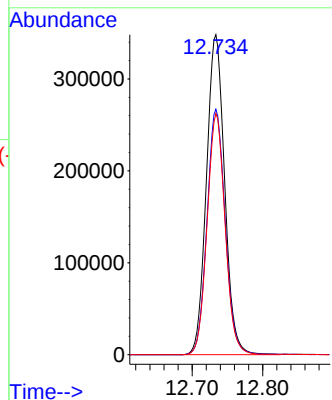
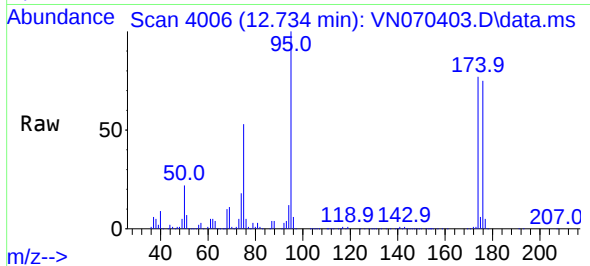




#62
4-Bromofluorobenzene
Concen: 46.353 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

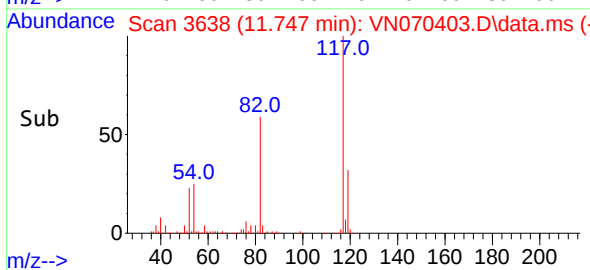
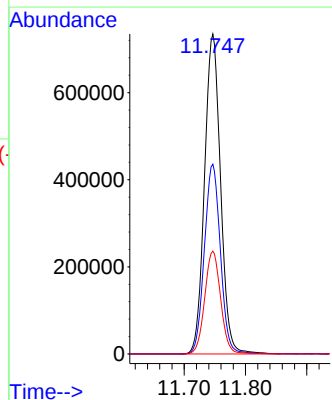
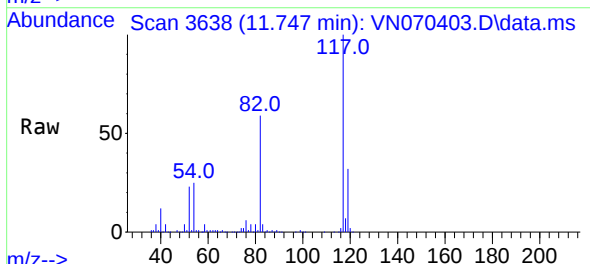
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

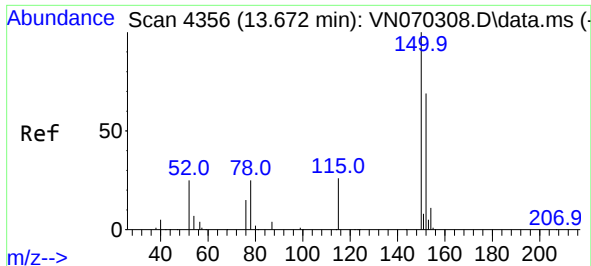
Tgt Ion: 95 Resp: 624113
Ion Ratio Lower Upper
95 100
174 76.9 0.0 187.2
176 74.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 117 Resp: 1338129
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.2 25.4 38.2

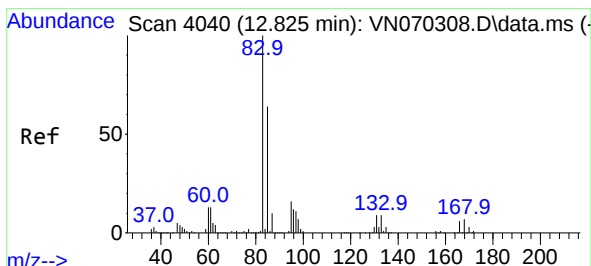
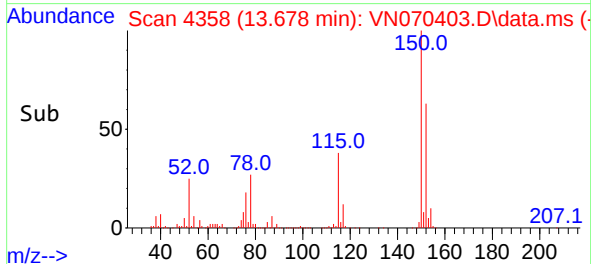
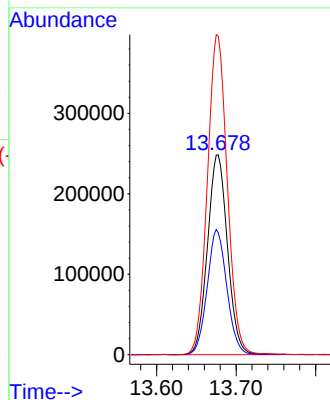
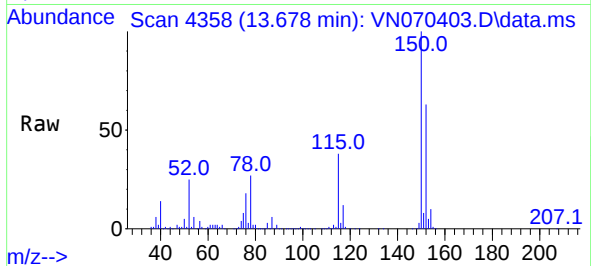




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VN070403.D
 Acq: 30 Dec 2021 16:49

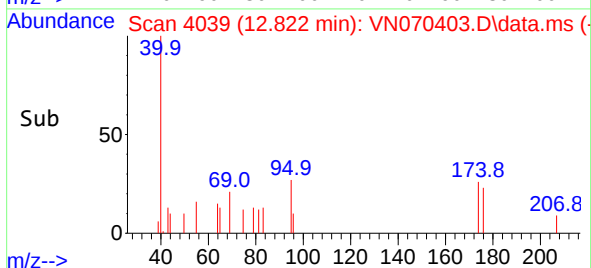
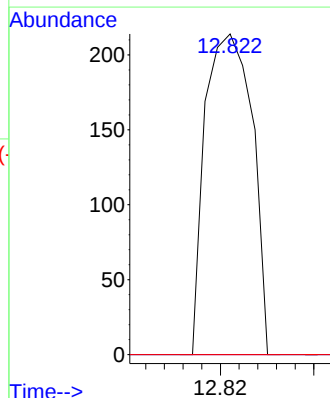
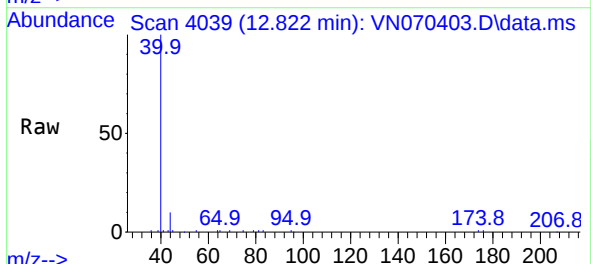
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50DA

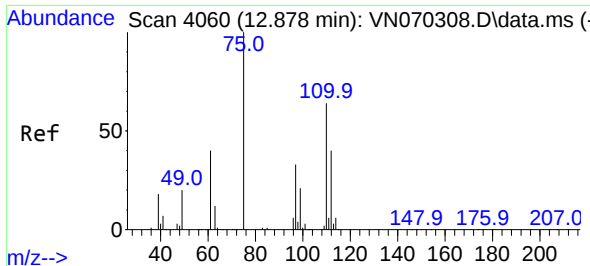
Tgt Ion:152 Resp: 436055
 Ion Ratio Lower Upper
 152 100
 115 61.4 27.5 82.5
 150 159.1 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.457 ug/l
 RT: 12.822 min Scan# 4039
 Delta R.T. -0.003 min
 Lab File: VN070403.D
 Acq: 30 Dec 2021 16:49

Tgt Ion: 83 Resp: 150
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

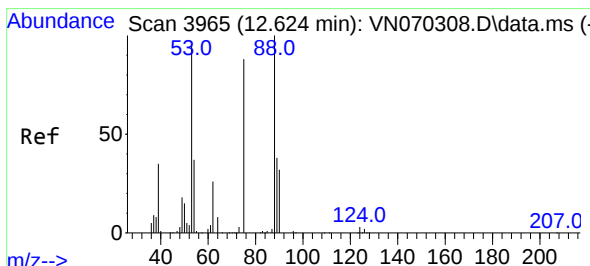
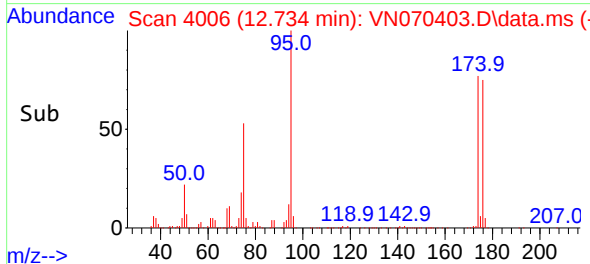
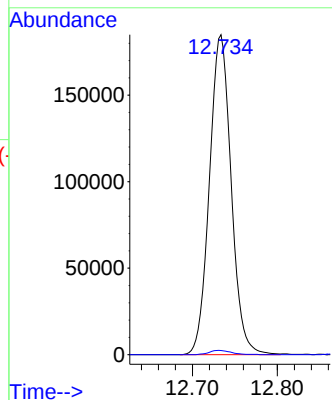
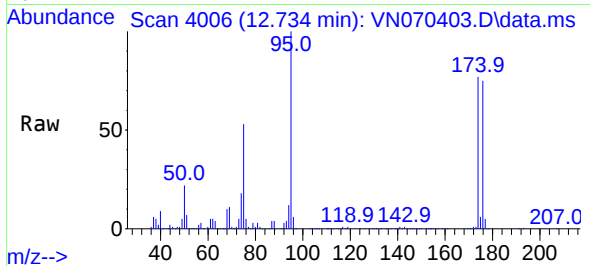




#76
1,2,3-Trichloropropane
Concen: 26.806 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.144 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

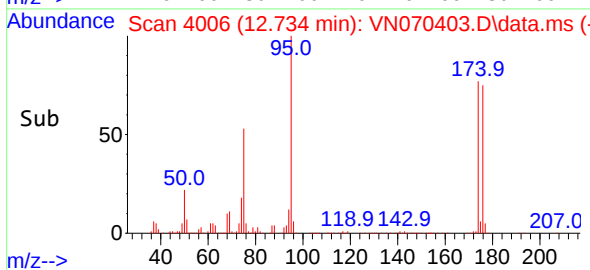
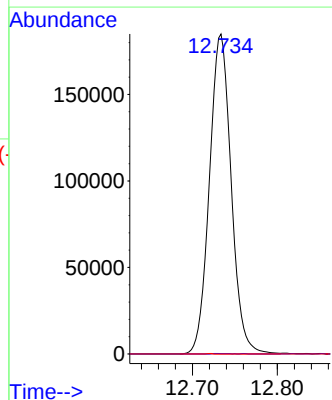
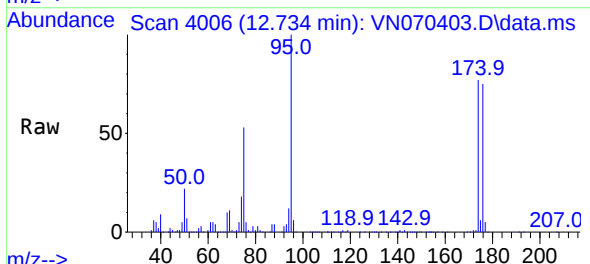
Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

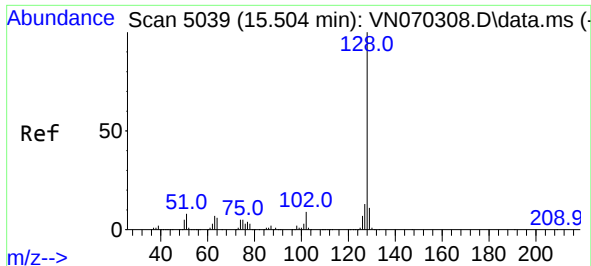
Tgt Ion: 75 Resp: 328732
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.106 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion: 75 Resp: 328732
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

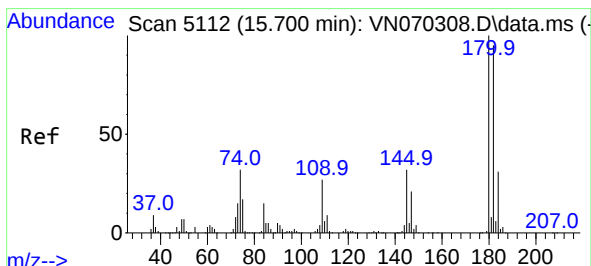
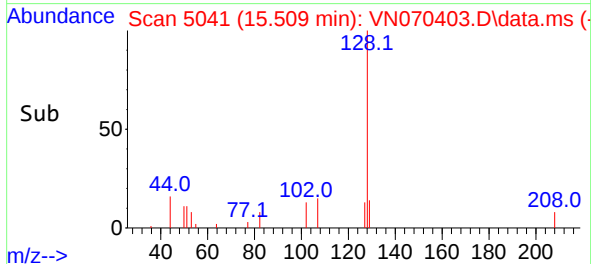
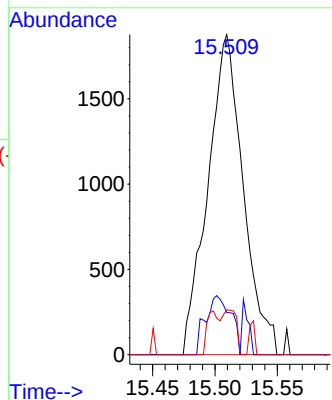
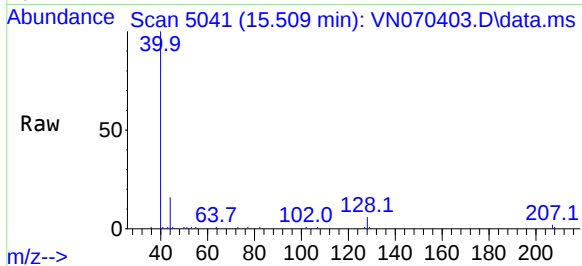




#95
Naphthalene
Concen: 1.977 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-50DA

Tgt Ion:128 Resp: 3710
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 5.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.900 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070403.D
Acq: 30 Dec 2021 16:49

Tgt Ion:180 Resp: 515
Ion Ratio Lower Upper
180 100
182 27.2 47.4 142.2#
145 10.9 15.0 45.1#

