

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070404.D
 Acq On : 30 Dec 2021 17:15
 Operator : JC/MD
 Sample : M5212-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50DB

Quant Time: Dec 31 05:21:07 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)

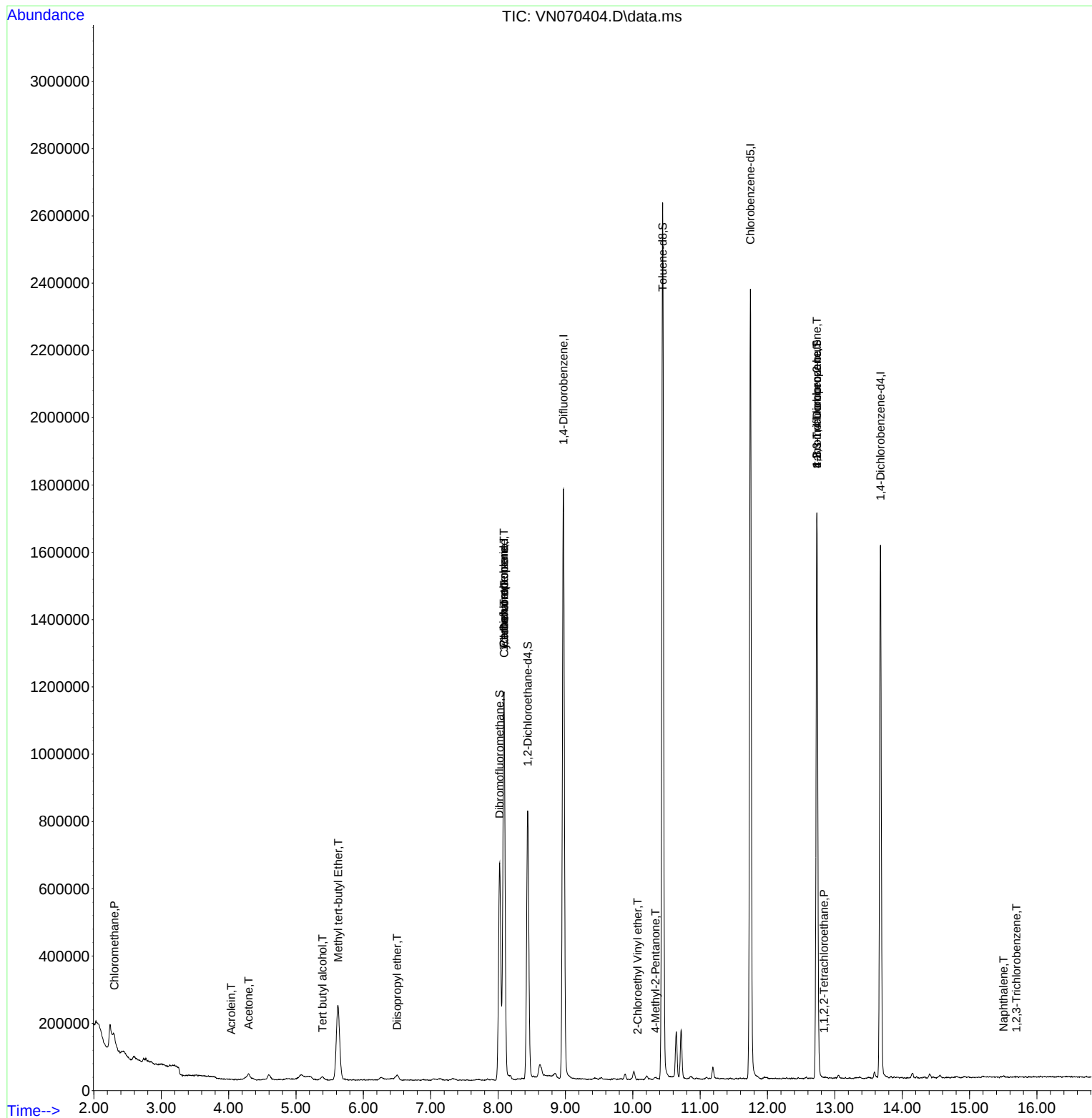
Internal Standards							
1) Pentafluorobenzene		8.088	168	873798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.971	114	1507493	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.746	117	1333480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.677	152	430787	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.440	65	670924	53.402	ug/l	0.00
Spiked Amount 50.000		Range	61 - 141	Recovery	= 106.800%		
35) Dibromofluoromethane		8.024	113	477340	52.334	ug/l	0.00
Spiked Amount 50.000		Range	69 - 133	Recovery	= 104.660%		
50) Toluene-d8		10.443	98	1799374	48.292	ug/l	0.00
Spiked Amount 50.000		Range	65 - 126	Recovery	= 96.580%		
62) 4-Bromofluorobenzene		12.733	95	614313	45.648	ug/l	0.00
Spiked Amount 50.000		Range	58 - 135	Recovery	= 91.300%		
Target Compounds							Qvalue
3) Chloromethane		2.303	50	4626	0.343	ug/l #	86
11) Tert butyl alcohol		5.393	59	16478	7.877	ug/l #	71
13) Acrolein		4.038	56	728	0.429	ug/l	87
16) Acetone		4.296	43	29678	3.639	ug/l	98
19) Methyl tert-butyl Ether		5.626	73	331081	10.018	ug/l	96
22) Diisopropyl ether		6.500	45	17455	0.444	ug/l #	88
31) Cyclohexane		8.091	56	22113	1.115	ug/l #	15
36) 1,1-Dichloropropene		8.086	75	71137	4.715	ug/l #	49
38) Carbon Tetrachloride		8.088	117	86529	6.006	ug/l #	16
51) 4-Methyl-2-Pentanone		10.338	43	4042	0.209	ug/l	92
58) 2-Chloroethyl Vinyl ether		10.070	63	78	18.528	ug/l #	45
75) 1,1,2,2-Tetrachloroethane		12.838	83	51	0.451	ug/l #	25
76) 1,2,3-Trichloropropane		12.733	75	322257	26.621	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.733	75	322257	91.396	ug/l #	5
95) Naphthalene		15.504	128	3553	1.971	ug/l #	71
96) 1,2,3-Trichlorobenzene		15.694	180	226	0.859	ug/l #	66

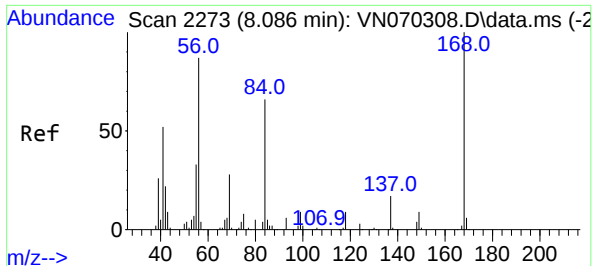
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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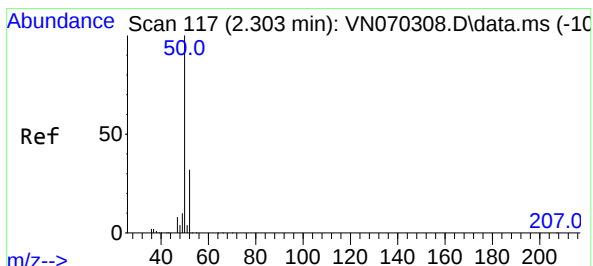
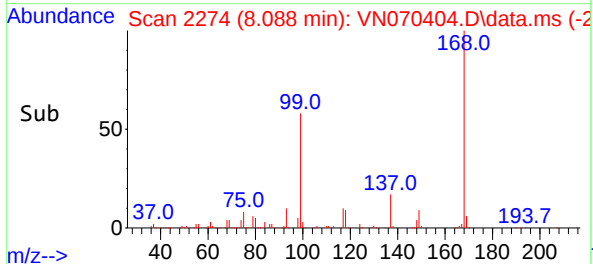
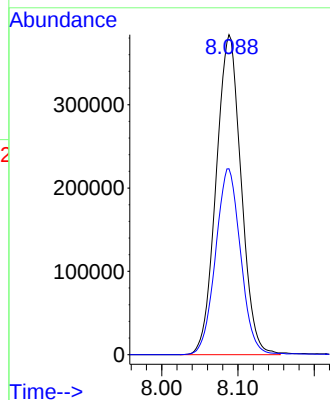
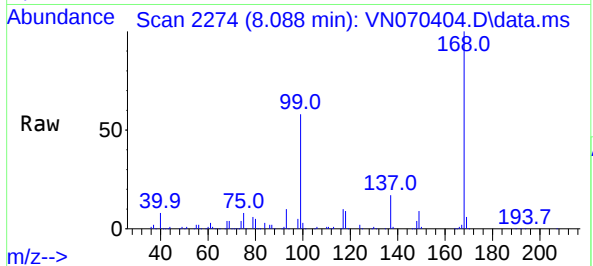




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

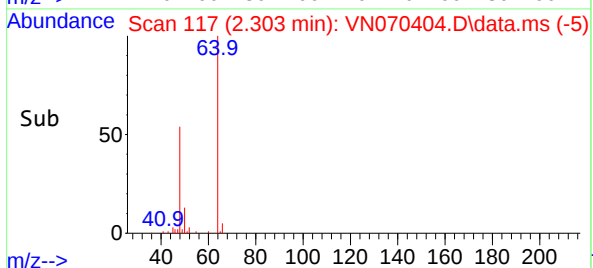
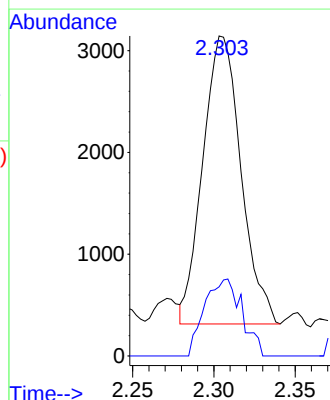
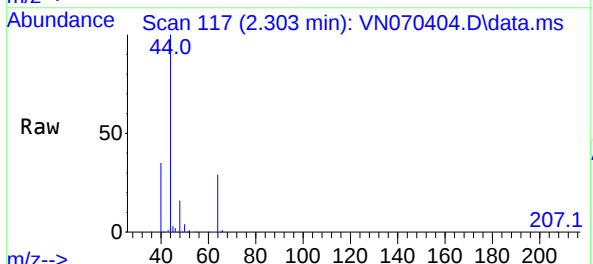
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

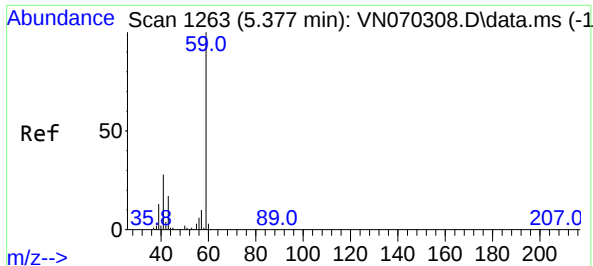
Tgt Ion:168 Resp: 873798
Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 50 Resp: 4626
Ion Ratio Lower Upper
50 100
52 24.0 25.4 38.0#

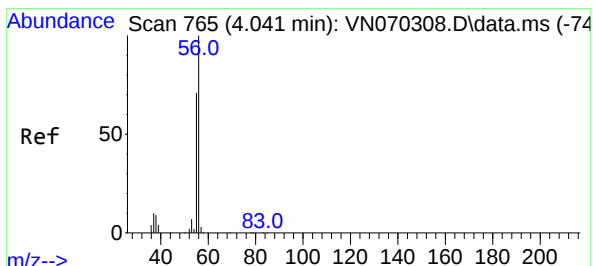
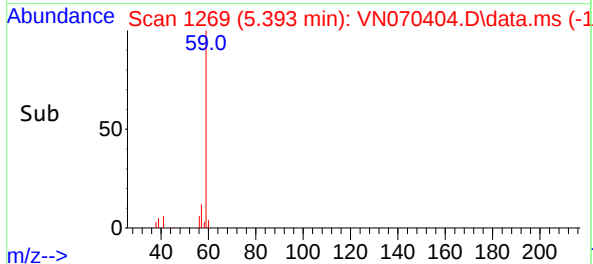
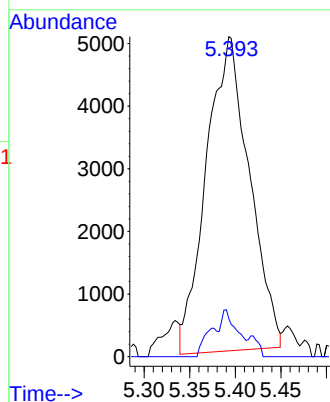
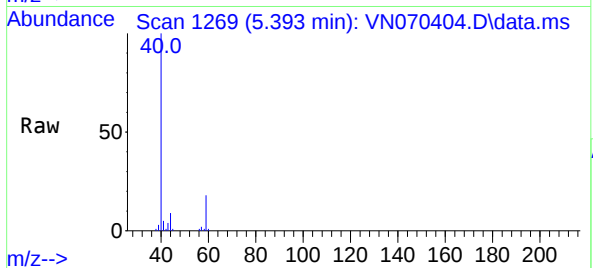




#11
Tert butyl alcohol
Concen: 7.877 ug/l
RT: 5.393 min Scan# 11
Delta R.T. 0.016 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

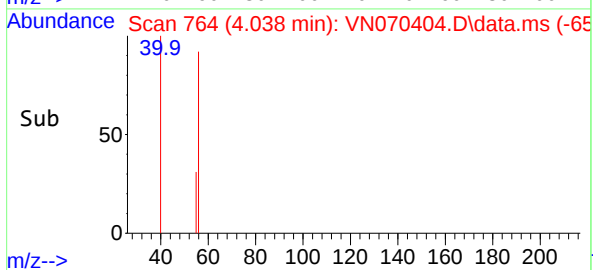
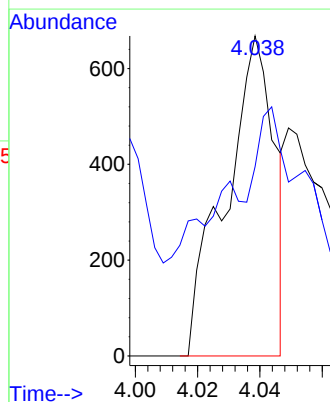
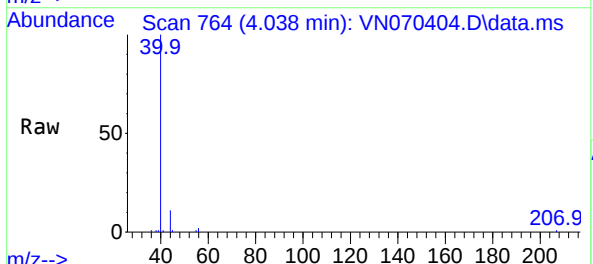
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

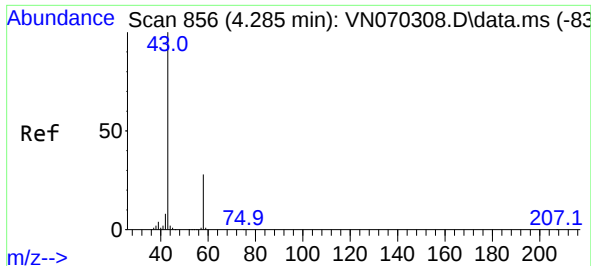
Tgt Ion: 59 Resp: 16478
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.429 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 60.2 56.6 85.0

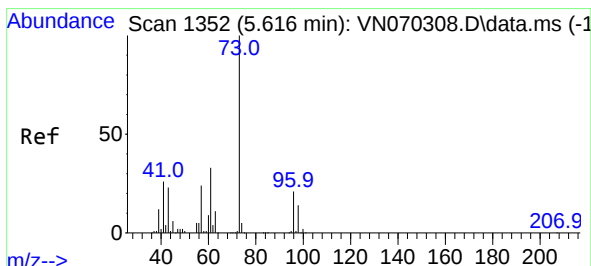
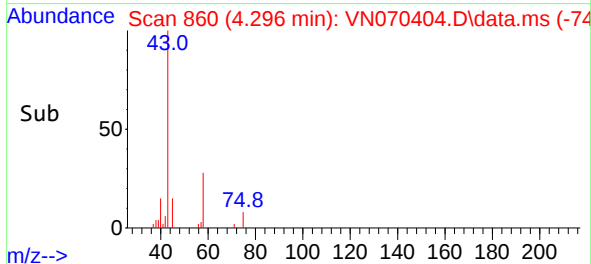
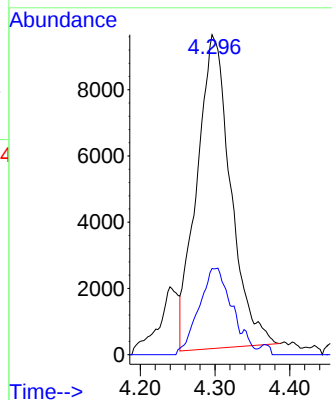
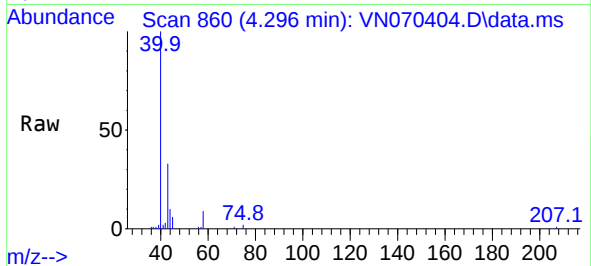




#16
Acetone
Concen: 3.639 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

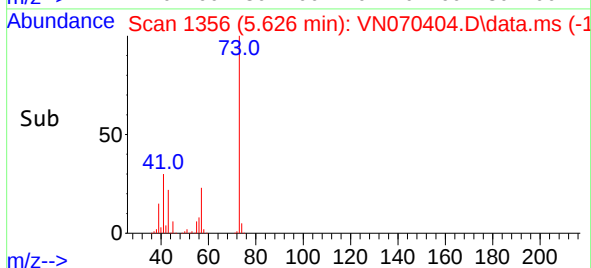
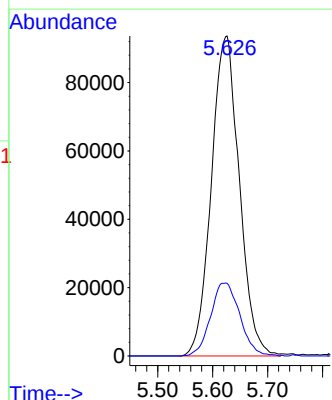
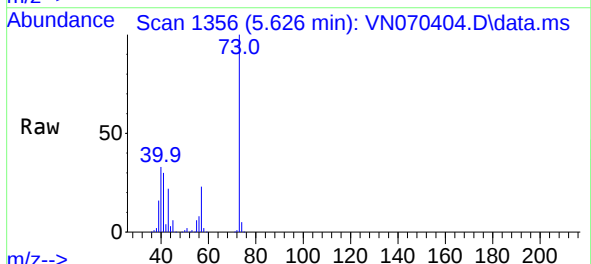
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

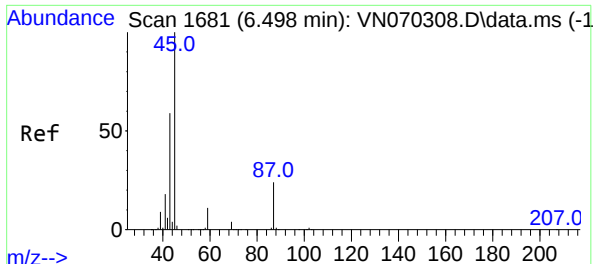
Tgt Ion: 43 Resp: 29678
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 10.018 ug/l
RT: 5.626 min Scan# 1356
Delta R.T. 0.010 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 73 Resp: 331081
Ion Ratio Lower Upper
73 100
57 22.7 16.8 25.2

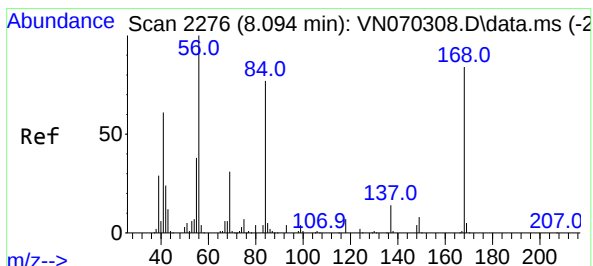
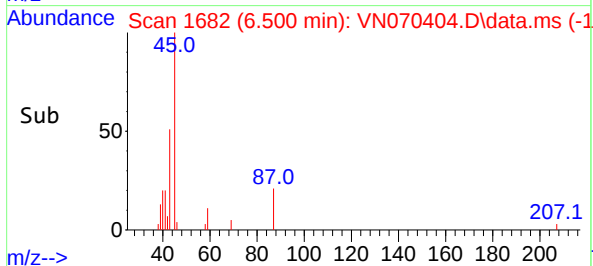
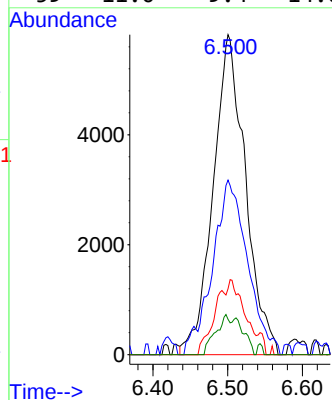
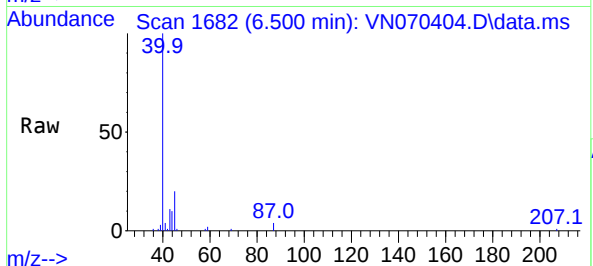




#22
Diisopropyl ether
Concen: 0.444 ug/l
RT: 6.500 min Scan# 1
Delta R.T. 0.002 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

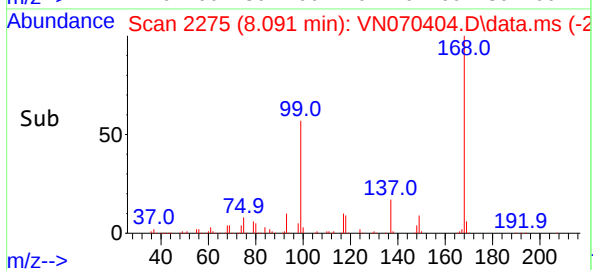
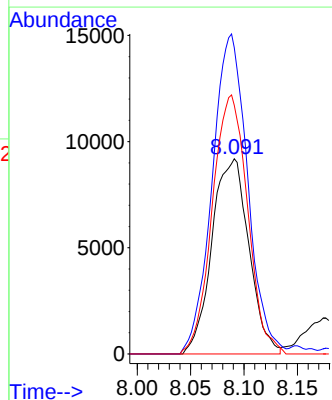
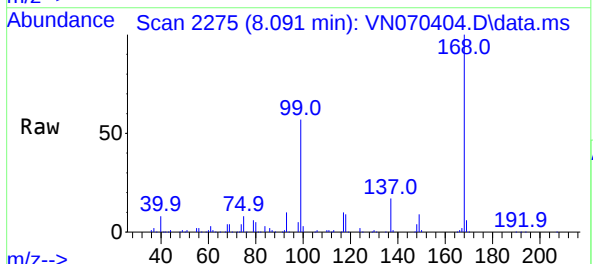
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

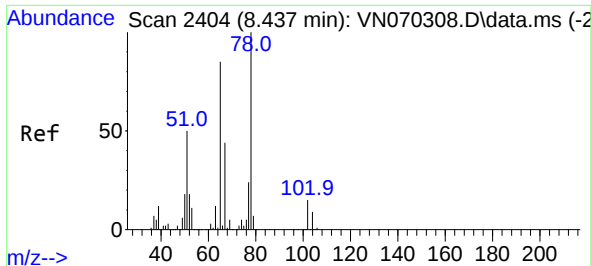
Tgt Ion:	45	Resp:	17455
Ion	Ratio	Lower	Upper
45	100		
43	54.5	51.7	77.5
87	20.6	23.2	34.8#
59	11.0	9.4	14.0



#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion:	56	Resp:	22113
Ion	Ratio	Lower	Upper
56	100		
69	157.0	27.1	40.7#
84	127.4	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.402 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070404.D

Acq: 30 Dec 2021 17:15

Instrument :

MSVOA_N

ClientSampleId :

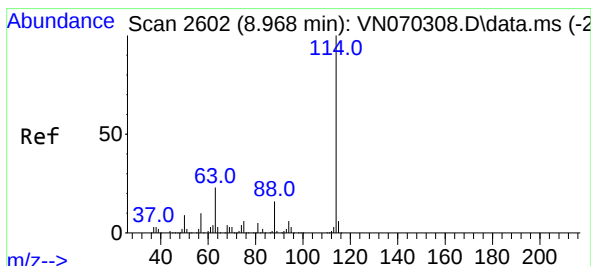
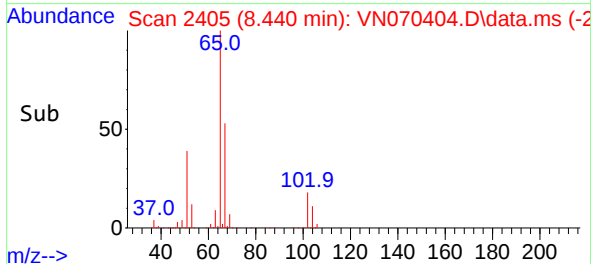
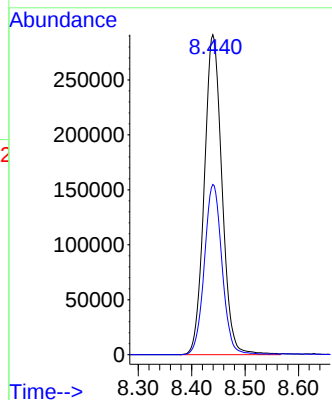
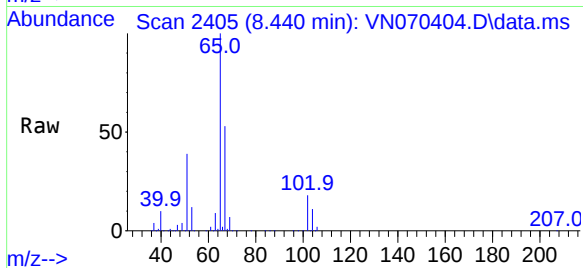
MW-50DB

Tgt Ion: 65 Resp: 670924

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN070404.D

Acq: 30 Dec 2021 17:15

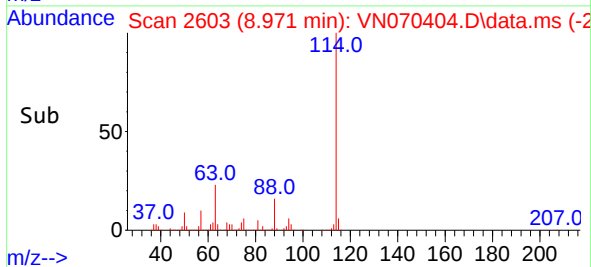
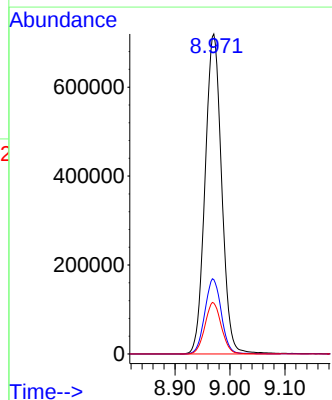
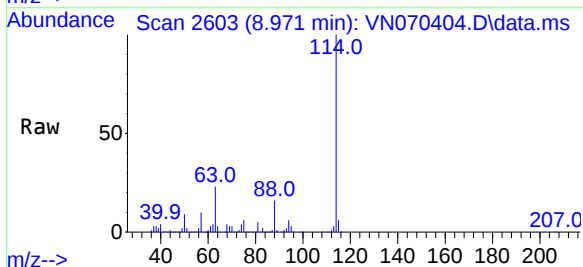
Tgt Ion: 114 Resp: 1507493

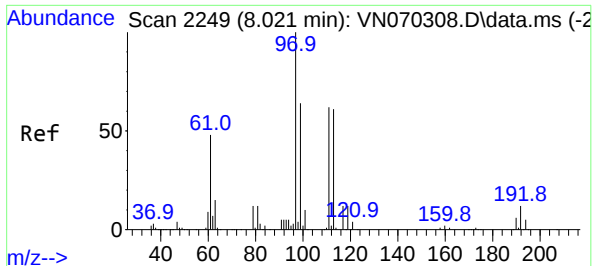
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 15.9 0.0 27.4

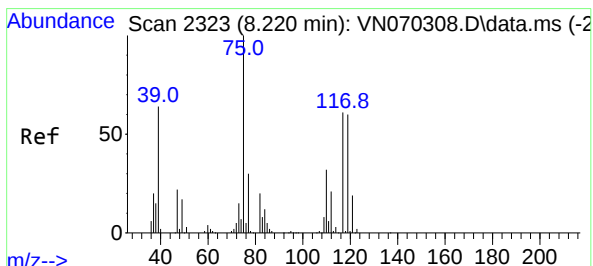
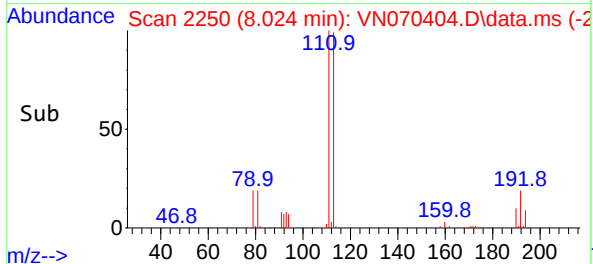
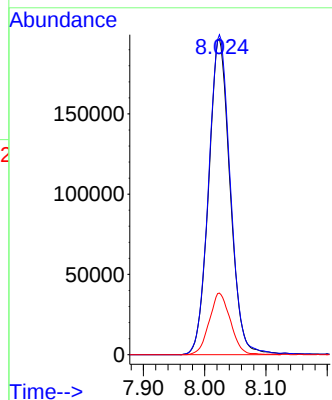
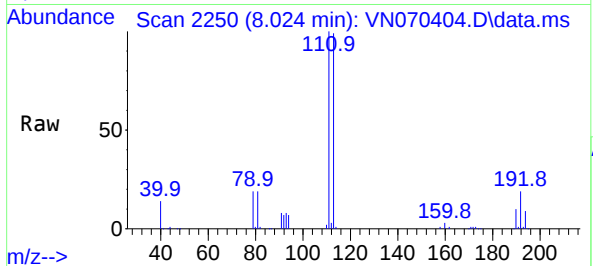




#35
Dibromofluoromethane
Concen: 52.334 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

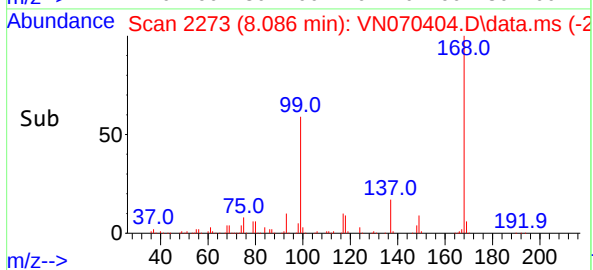
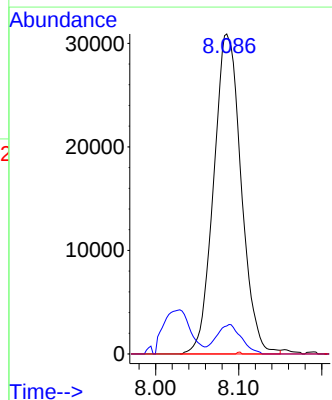
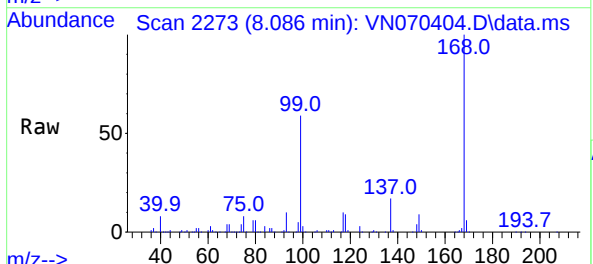
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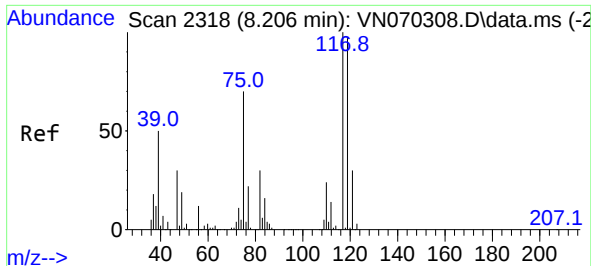
Tgt Ion:113 Resp: 477340
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 75 Resp: 71137
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.1 24.4 36.6#

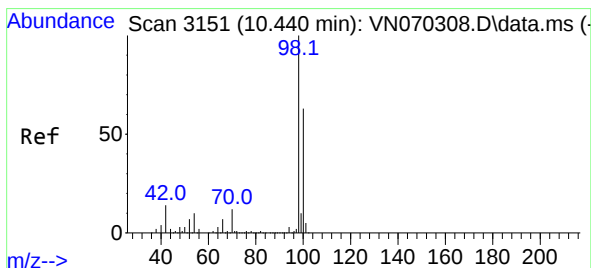
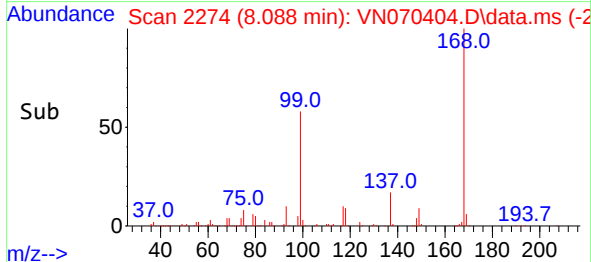
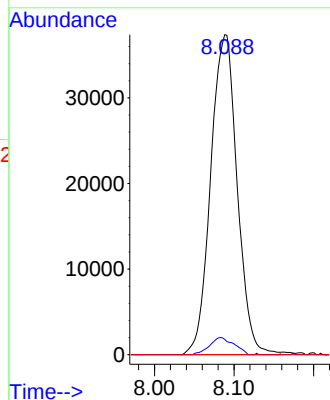
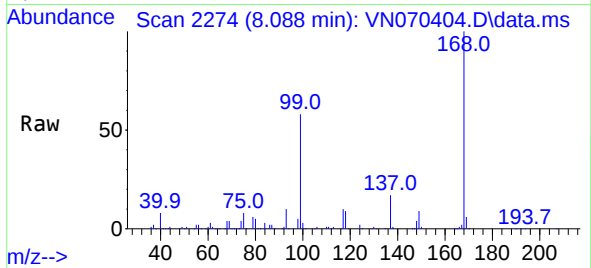




#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

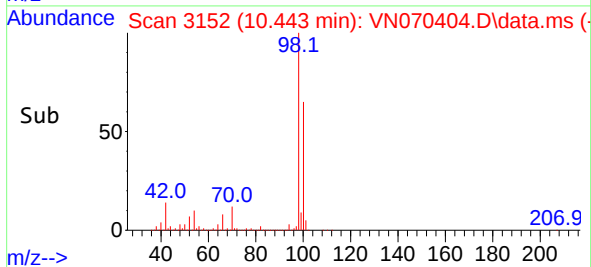
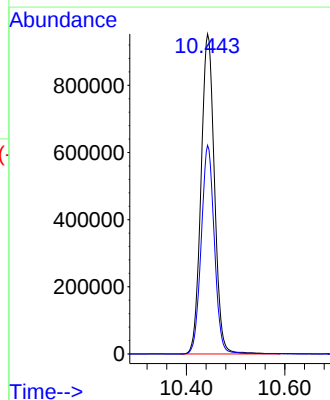
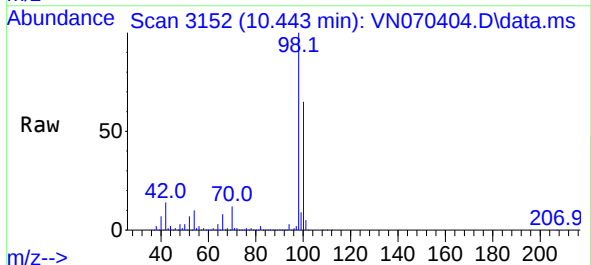
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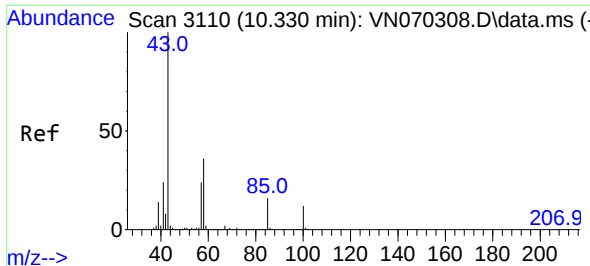
Tgt Ion:117 Resp: 86529
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.292 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 98 Resp: 1799374
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6

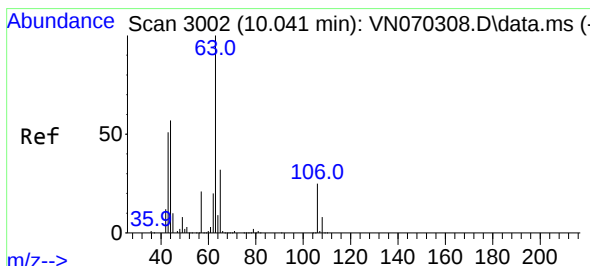
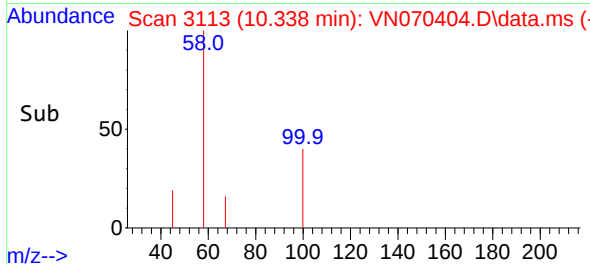
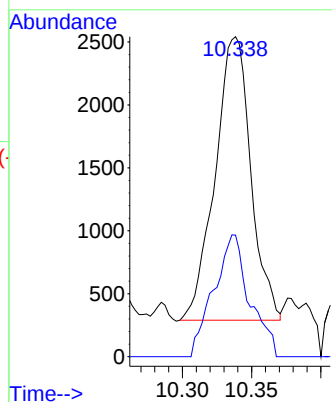
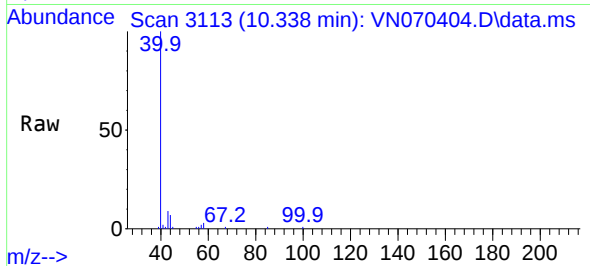




#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.338 min Scan# 3110
Delta R.T. 0.008 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

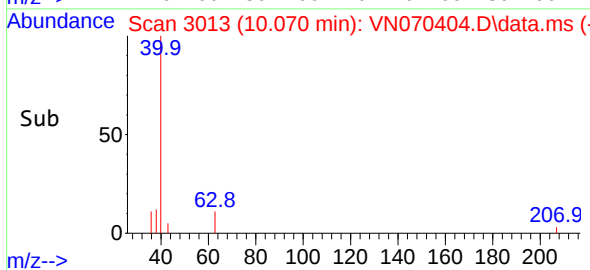
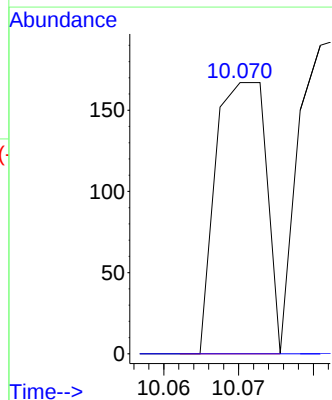
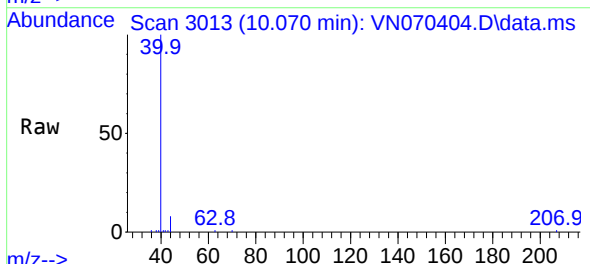
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

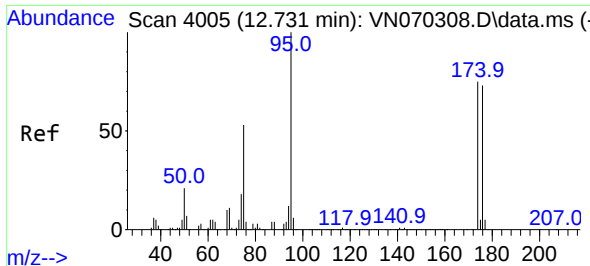
Tgt Ion: 43 Resp: 4042
Ion Ratio Lower Upper
43 100
58 43.0 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.528 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.029 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

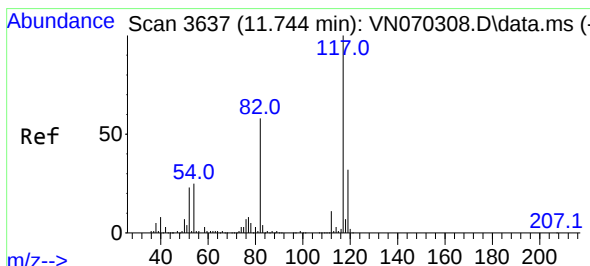
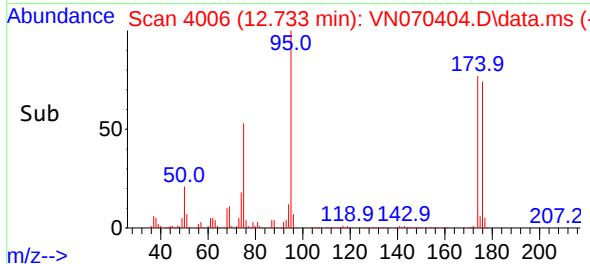
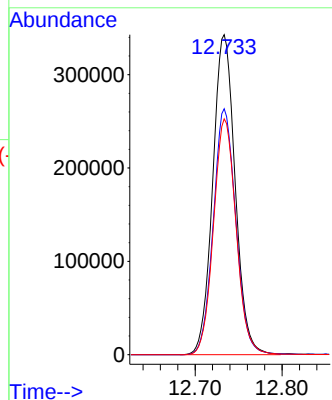
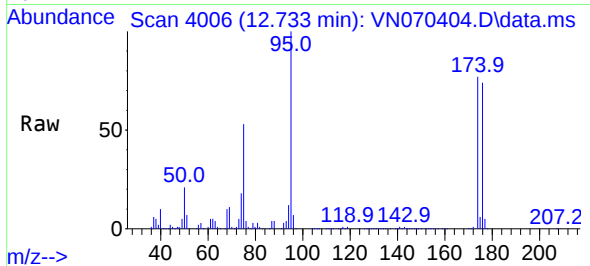




#62
4-Bromofluorobenzene
Concen: 45.648 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

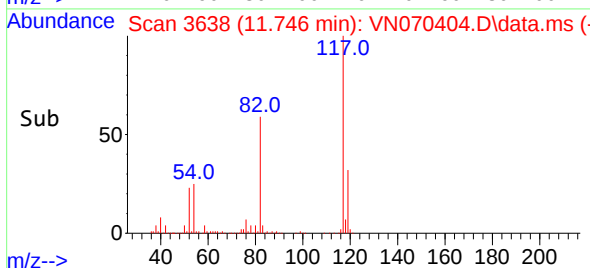
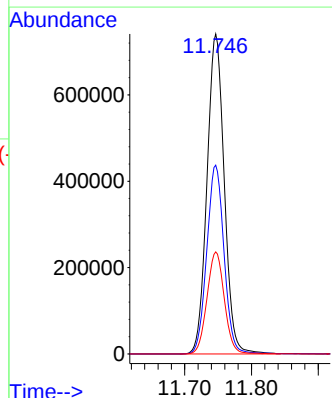
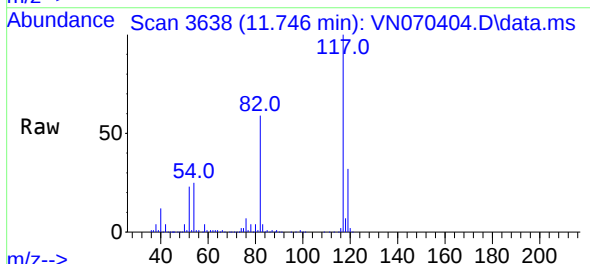
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

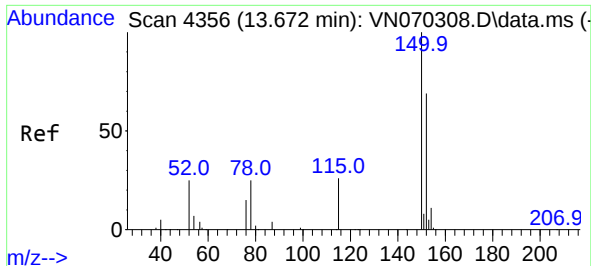
Tgt Ion: 95 Resp: 614313
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 74.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

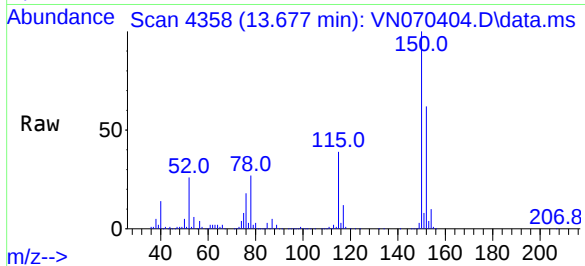
Tgt Ion: 117 Resp: 1333480
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.9 25.4 38.2



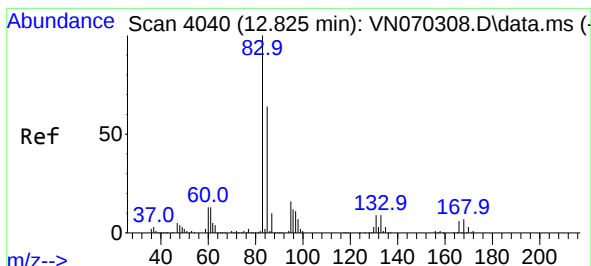
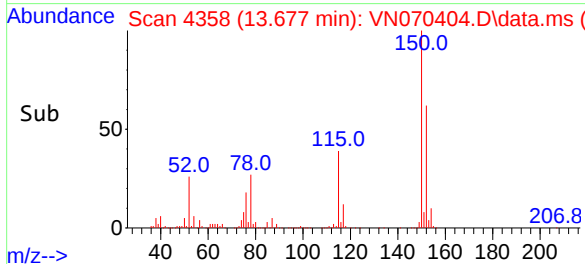
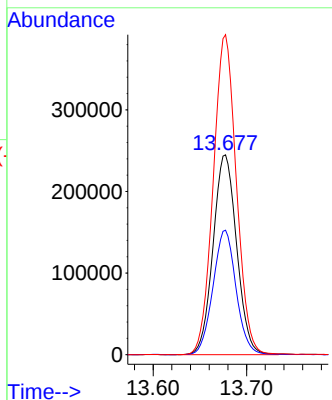


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.005 min
 Lab File: VN070404.D
 Acq: 30 Dec 2021 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-50DB

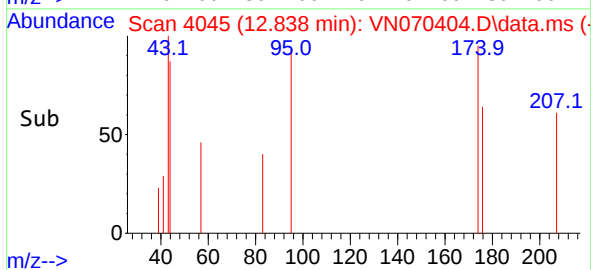
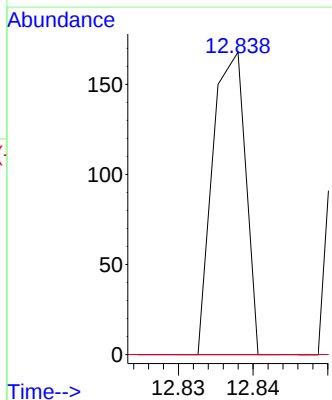
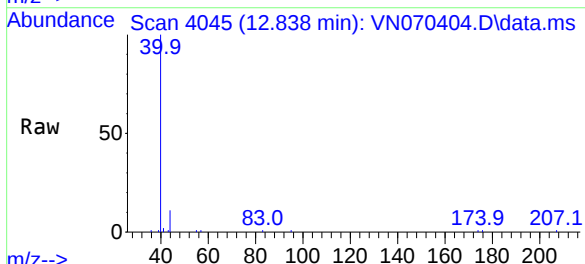


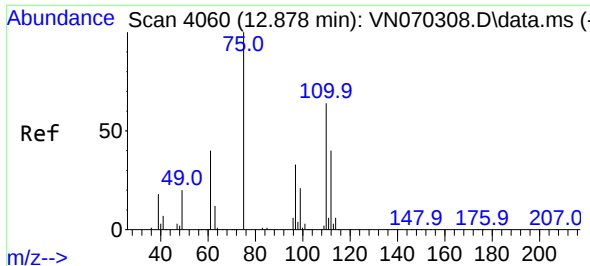
Tgt Ion:152 Resp: 430787
 Ion Ratio Lower Upper
 152 100
 115 61.1 27.5 82.5
 150 157.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.451 ug/l
 RT: 12.838 min Scan# 4045
 Delta R.T. 0.013 min
 Lab File: VN070404.D
 Acq: 30 Dec 2021 17:15

Tgt Ion: 83 Resp: 51
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

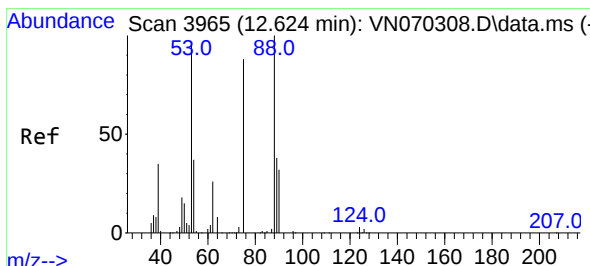
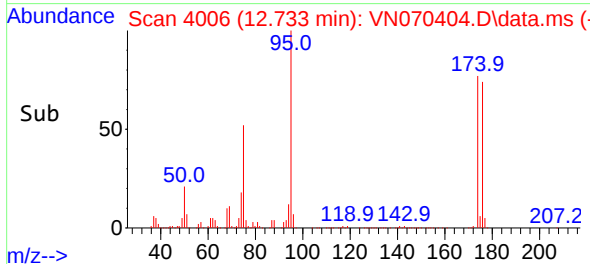
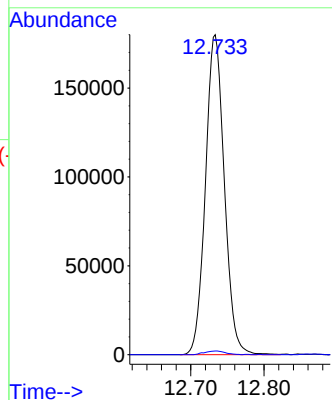
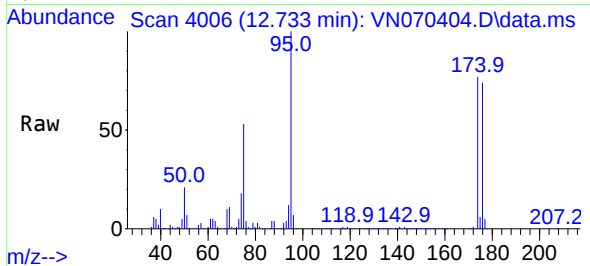




#76
1,2,3-Trichloropropane
Concen: 26.621 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.145 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

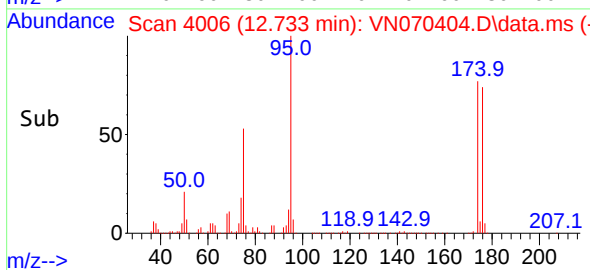
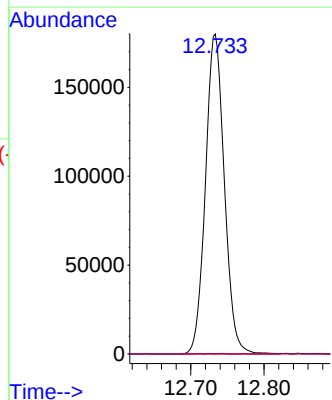
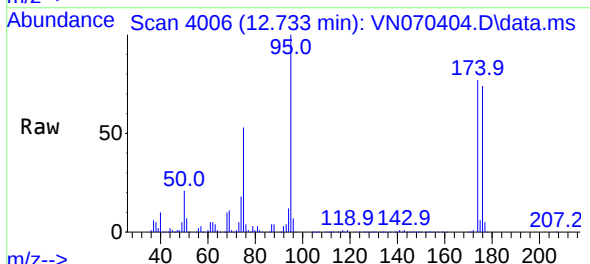
Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

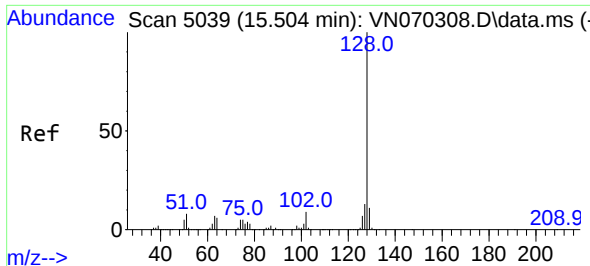
Tgt Ion: 75 Resp: 322257
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.396 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.109 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion: 75 Resp: 322257
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

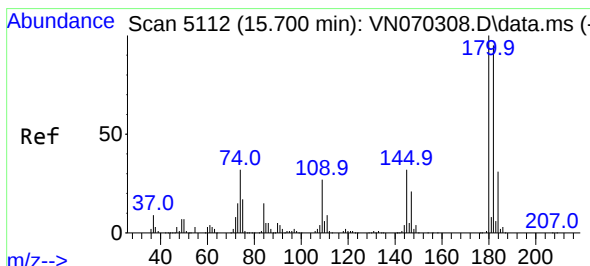
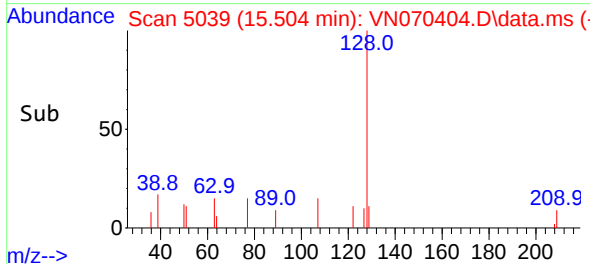
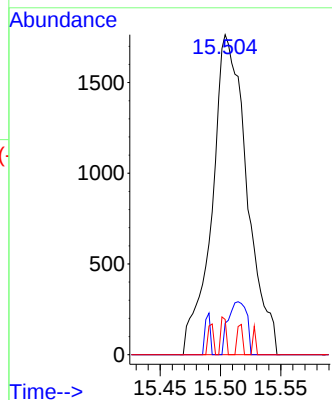
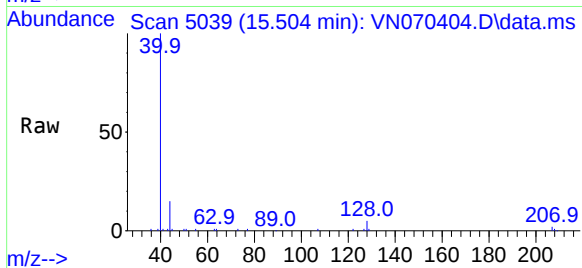




#95
Naphthalene
Concen: 1.971 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Instrument :
MSVOA_N
ClientSampleId :
MW-50DB

Tgt Ion:	128	Resp:	3553
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	1.8	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.859 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.006 min
Lab File: VN070404.D
Acq: 30 Dec 2021 17:15

Tgt Ion:	180	Resp:	226
Ion	Ratio	Lower	Upper
180	100		
182	68.1	47.4	142.2
145	0.0	15.0	45.1#

