

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070636.D
 Acq On : 14 Jan 2022 20:45
 Operator : JC/MD
 Sample : N1148-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-49

Quant Time: Jan 17 05:42:15 2022
 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)

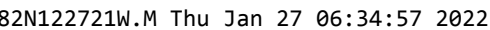
Internal Standards						
1) Pentafluorobenzene	8.086	168	863753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1497560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1339238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	468400	50.000	ug/l	0.00

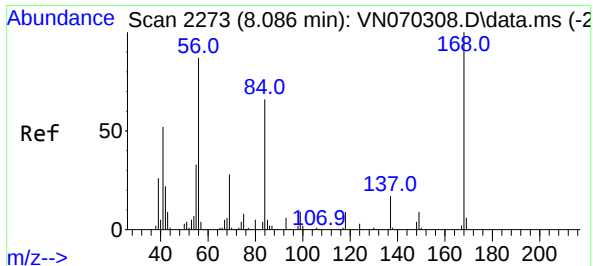
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	698945	56.280	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 112.560%	
35) Dibromofluoromethane	8.021	113	503912	55.613	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 111.220%	
50) Toluene-d8	10.440	98	2048027	55.330	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 110.660%	
62) 4-Bromofluorobenzene	12.731	95	771925	57.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 115.480%	

Target Compounds						Qvalue
3) Chloromethane	2.303	50	2820	0.212	ug/l	93
11) Tert butyl alcohol	5.382	59	1966503	950.991	ug/l	98
16) Acetone	4.293	43	66435	8.241	ug/l	98
19) Methyl tert-butyl Ether	5.618	73	8272406	253.218	ug/l	94
20) Methylene Chloride	5.093	84	9421	0.845	ug/l #	86
22) Diisopropyl ether	6.501	45	21572	0.555	ug/l #	85
25) 2-Butanone	7.345	43	24628	2.426	ug/l #	88
31) Cyclohexane	8.083	56	25614	1.307	ug/l #	30
40) Benzene	8.461	78	296480	6.452	ug/l	100
43) Isopropyl Acetate	8.536	43	192811	6.294	ug/l #	57
52) Toluene	10.502	92	7419	0.267	ug/l	93
67) Ethyl Benzene	11.846	91	99993	1.921	ug/l	97
68) m/p-Xylenes	11.956	106	56601	2.987	ug/l	92
69) o-Xylene	12.283	106	13378	0.710	ug/l	100
73) Isopropylbenzene	12.578	105	17688	0.407	ug/l	98
78) n-propylbenzene	12.919	91	33302	0.691	ug/l	99
80) 1,3,5-Trimethylbenzene	13.058	105	12829	0.368	ug/l	97
84) 1,2,4-Trimethylbenzene	13.369	105	74223	2.211	ug/l	95
95) Naphthalene	15.507	128	274288	14.187	ug/l	99

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

Quant Time: Jan 17 05:42:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
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QLast Update : Mon Dec 27 18:47:12 2021
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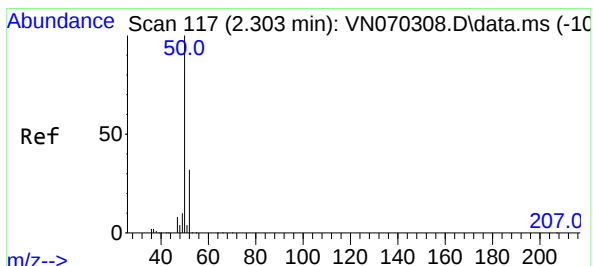
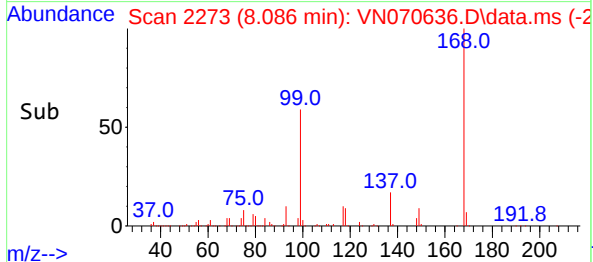
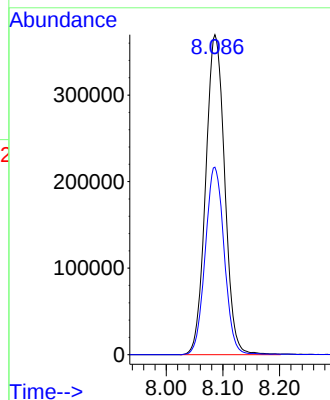
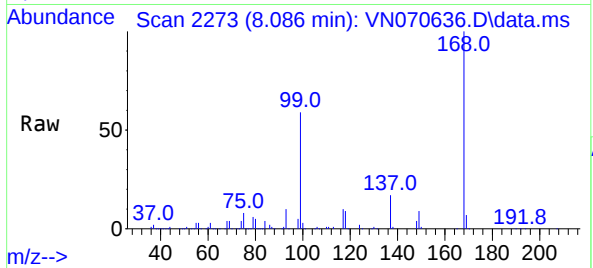




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

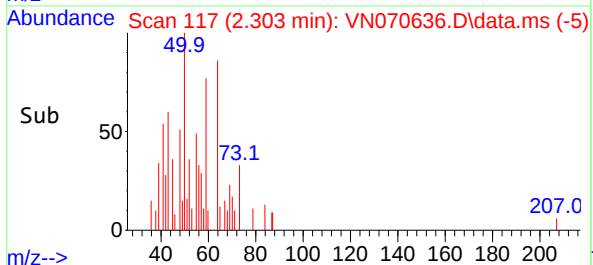
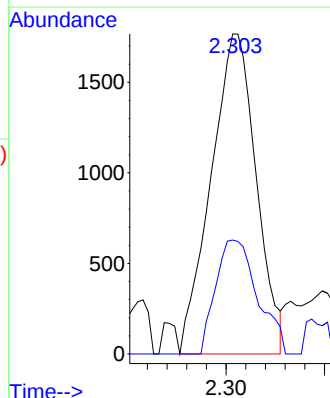
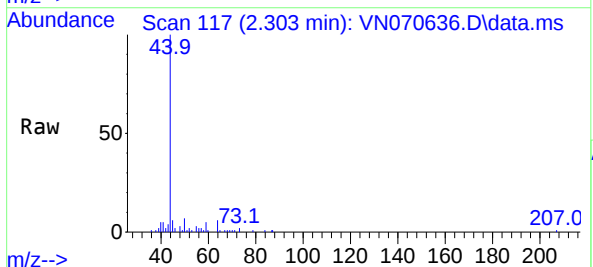
Instrument :
MSVOA_N
ClientSampleId :
MW-49

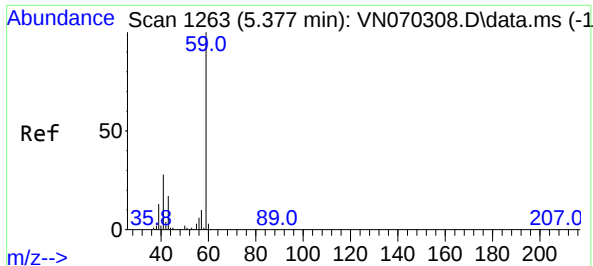
Tgt Ion:168 Resp: 863753
Ion Ratio Lower Upper
168 100
99 58.6 41.3 61.9



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 50 Resp: 2820
Ion Ratio Lower Upper
50 100
52 35.6 25.4 38.0

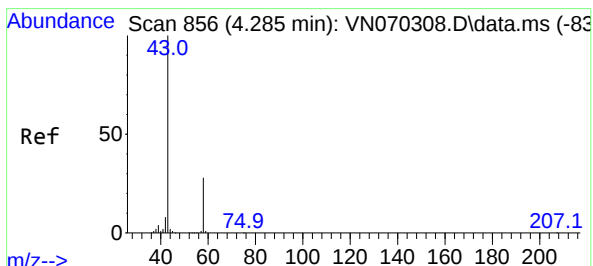
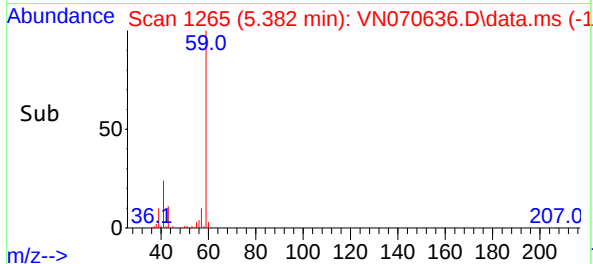
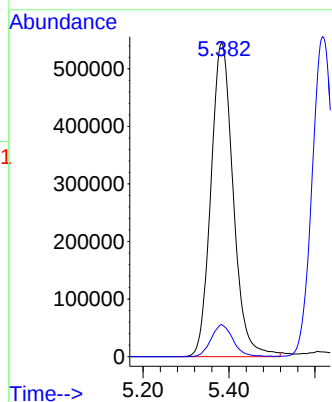
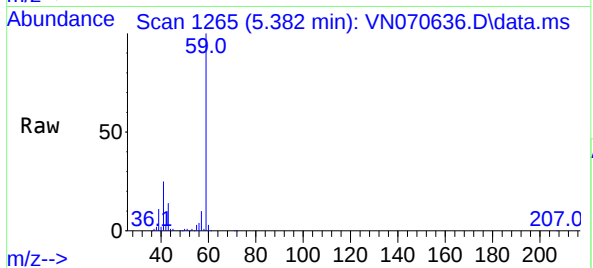




#11
Tert butyl alcohol
Concen: 950.991 ug/l
RT: 5.382 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

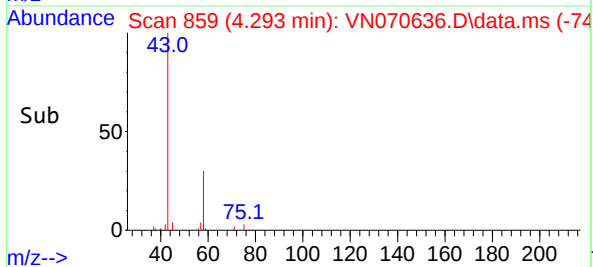
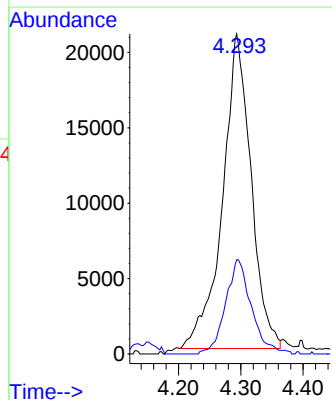
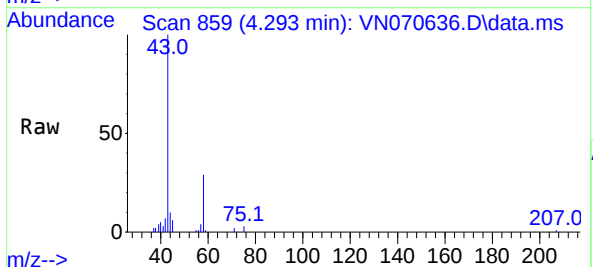
Instrument :
MSVOA_N
ClientSampleId :
MW-49

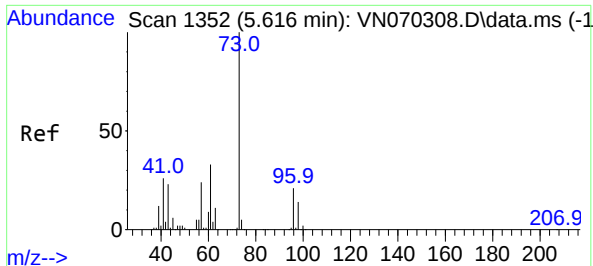
Tgt Ion: 59 Resp: 1966503
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1



#16
Acetone
Concen: 8.241 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 43 Resp: 66435
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7

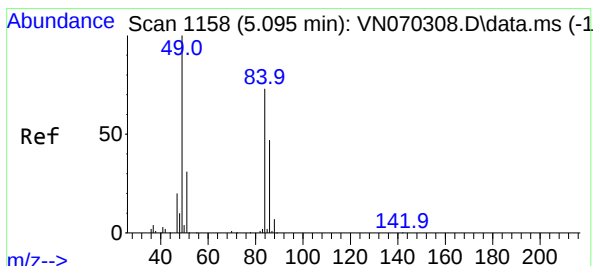
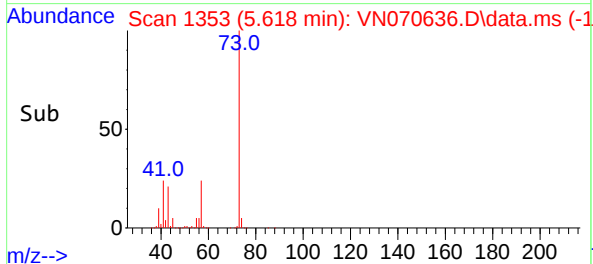
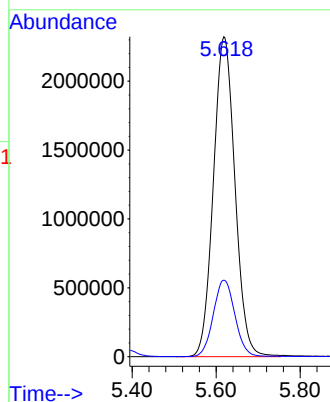
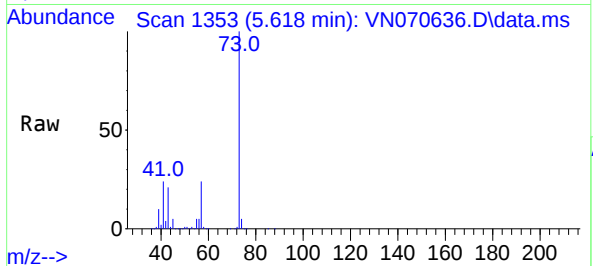




#19
Methyl tert-butyl Ether
Concen: 253.218 ug/l
RT: 5.618 min Scan# 1157
Delta R.T. 0.002 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

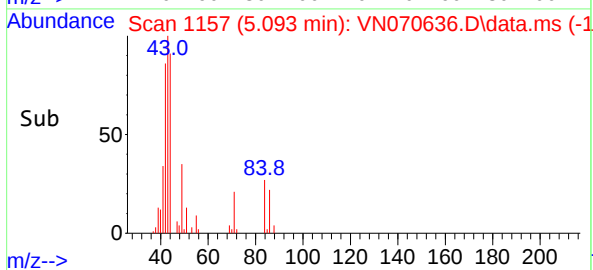
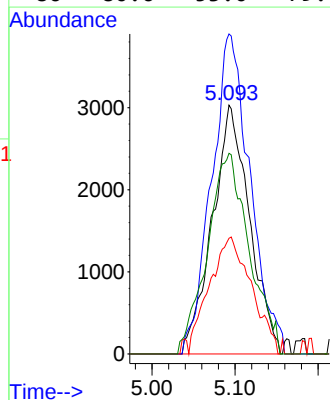
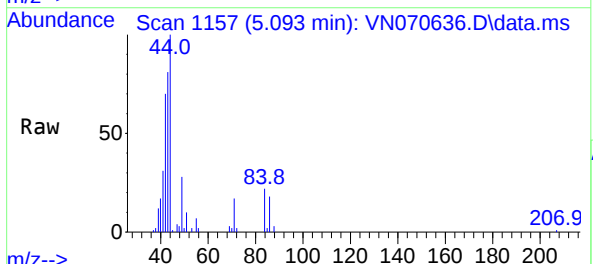
Instrument :
MSVOA_N
ClientSampleId :
MW-49

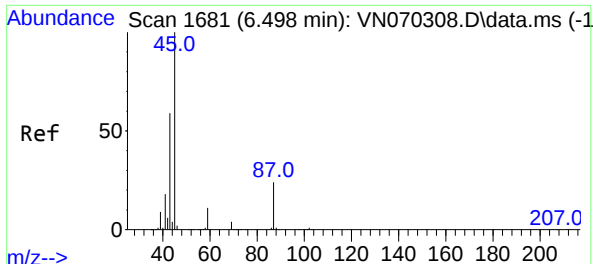
Tgt Ion: 73 Resp: 8272406
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2



#20
Methylene Chloride
Concen: 0.845 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 84 Resp: 9421
Ion Ratio Lower Upper
84 100
49 128.6 93.5 140.3
51 46.5 29.4 44.2#
86 80.6 53.0 79.4#

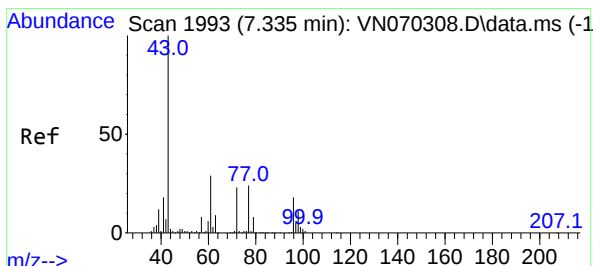
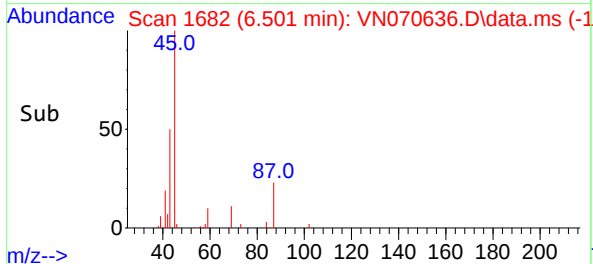
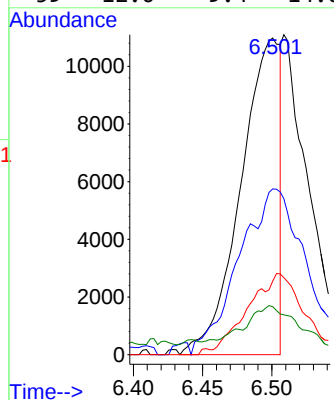
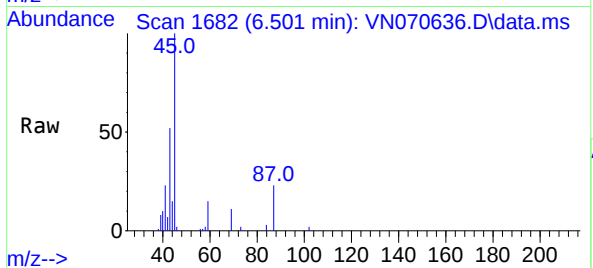




#22
Diisopropyl ether
Concen: 0.555 ug/l
RT: 6.501 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

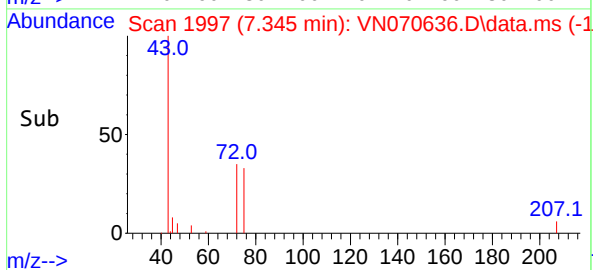
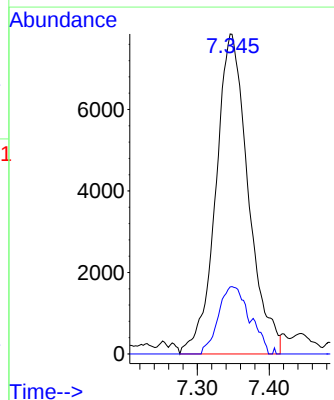
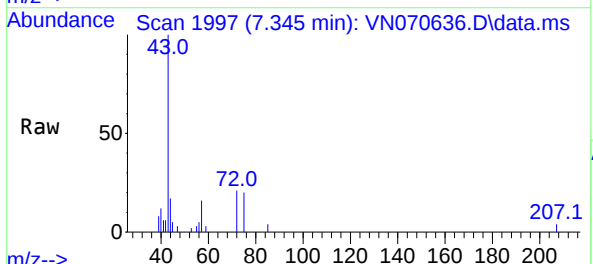
Instrument :
MSVOA_N
ClientSampleId :
MW-49

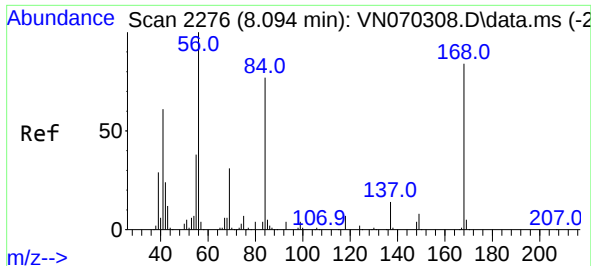
Tgt Ion:	45	Resp:	21572
Ion	Ratio	Lower	Upper
45	100		
43	48.9	51.7	77.5#
87	23.2	23.2	34.8#
59	12.0	9.4	14.0



#25
2-Butanone
Concen: 2.426 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

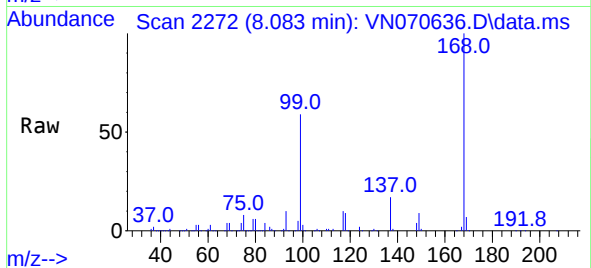
Tgt Ion:	43	Resp:	24628
Ion	Ratio	Lower	Upper
43	100		
72	20.9	21.7	32.5#



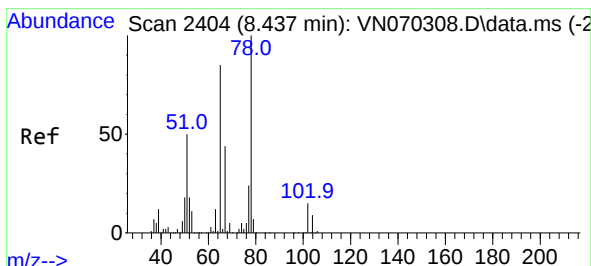
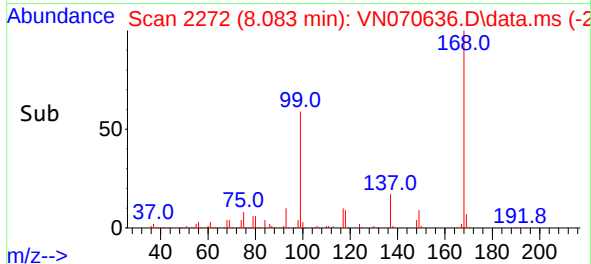
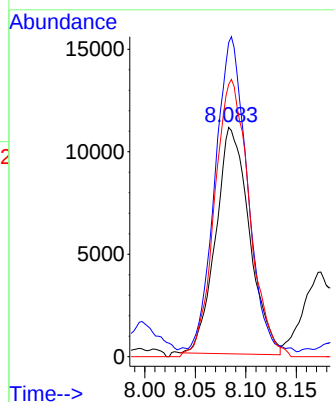


#31
Cyclohexane
Concen: 1.307 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Instrument :
MSVOA_N
ClientSampleId :
MW-49

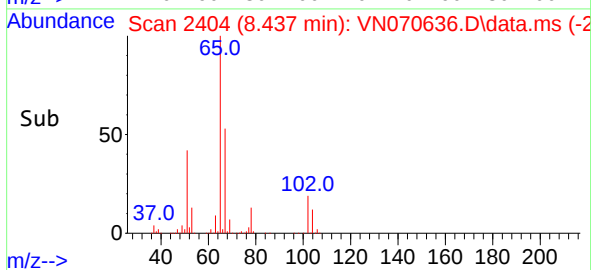
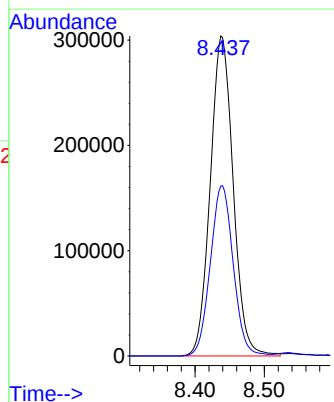
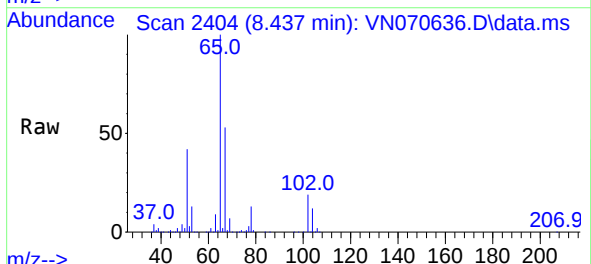


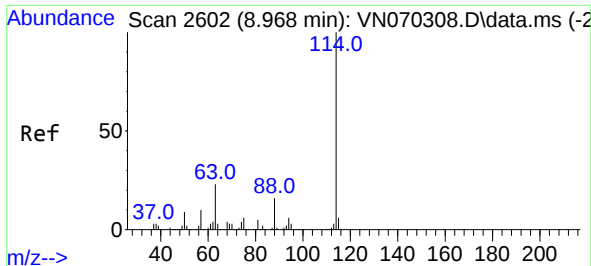
Tgt Ion: 56 Resp: 25614
Ion Ratio Lower Upper
56 100
69 135.8 27.1 40.7#
84 120.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 56.280 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 65 Resp: 698945
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN070636.D

Acq: 14 Jan 2022 20:45

Instrument :

MSVOA_N

ClientSampleId :

MW-49

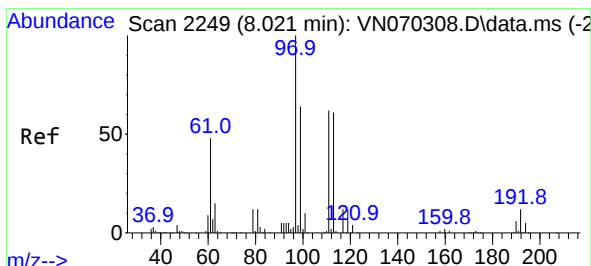
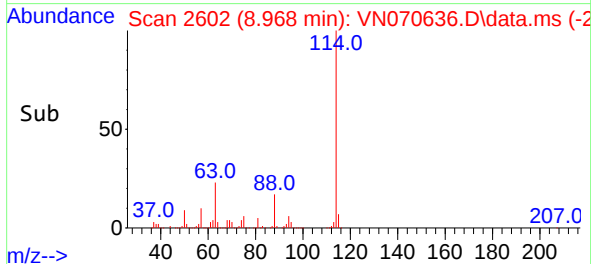
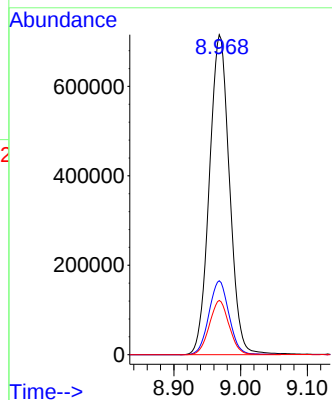
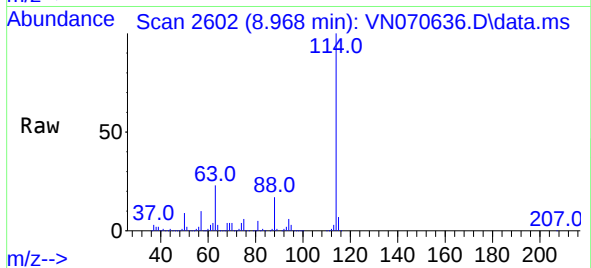
Tgt Ion:114 Resp: 1497560

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 17.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 55.613 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070636.D

Acq: 14 Jan 2022 20:45

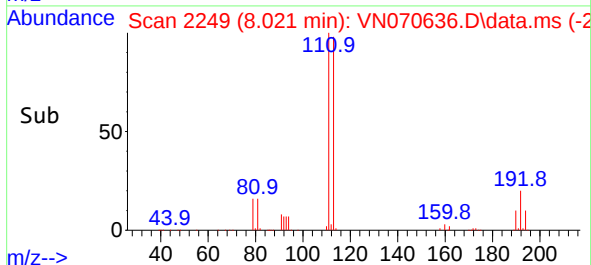
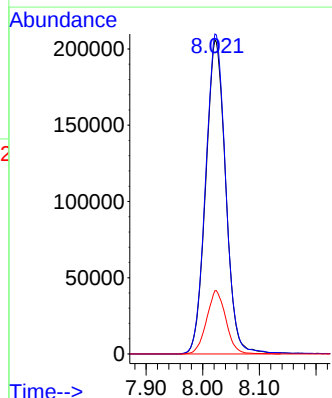
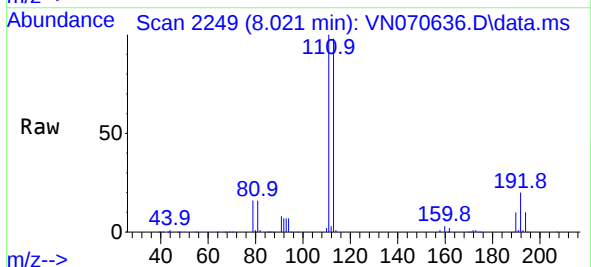
Tgt Ion:113 Resp: 503912

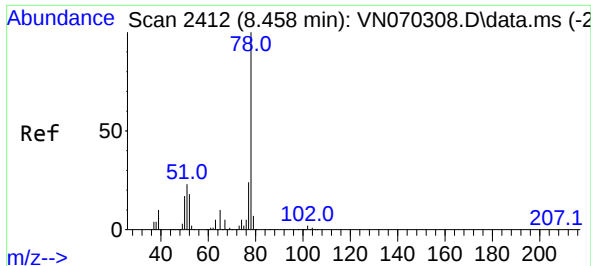
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

192 19.5 16.9 25.3

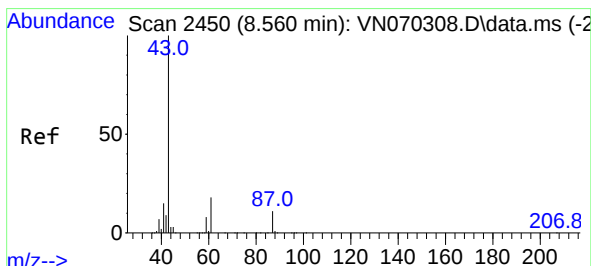
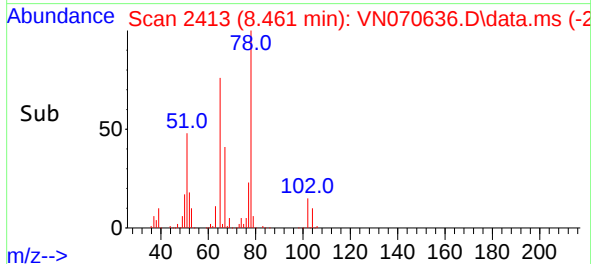
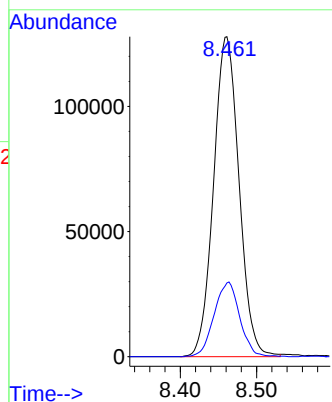
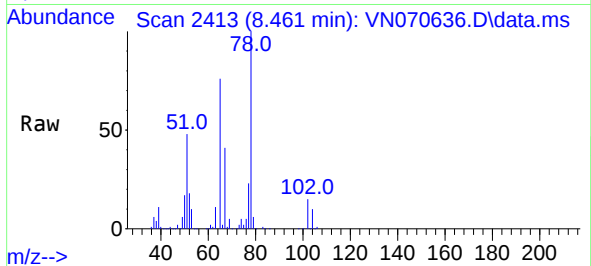




#40
Benzene
Concen: 6.452 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

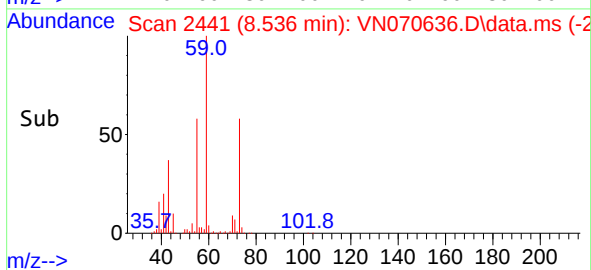
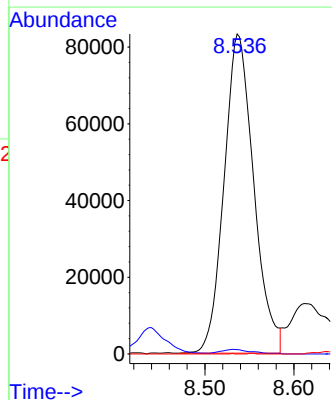
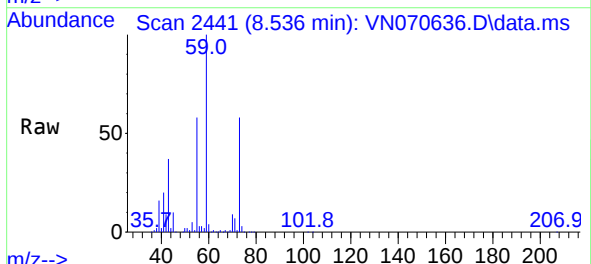
Instrument :
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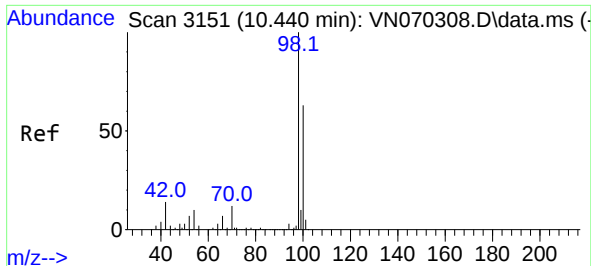
Tgt Ion: 78 Resp: 296480
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8



#43
Isopropyl Acetate
Concen: 6.294 ug/l
RT: 8.536 min Scan# 2441
Delta R.T. -0.024 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 43 Resp: 192811
Ion Ratio Lower Upper
43 100
61 1.5 20.4 30.6#
87 0.0 11.2 16.8#

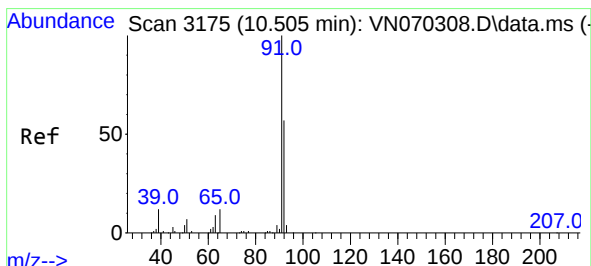
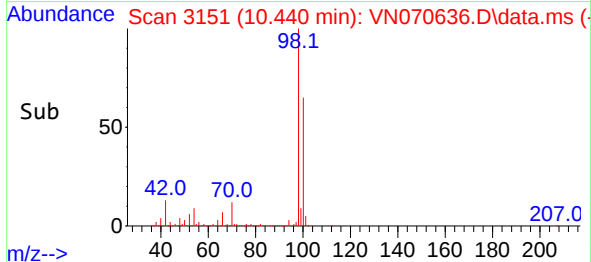
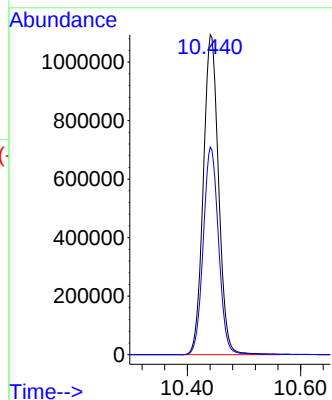
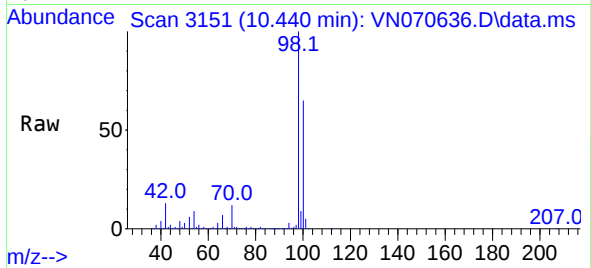




#50
Toluene-d8
Concen: 55.330 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

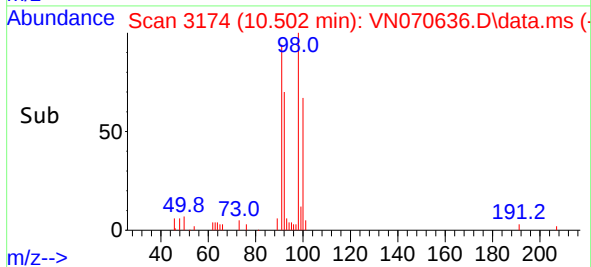
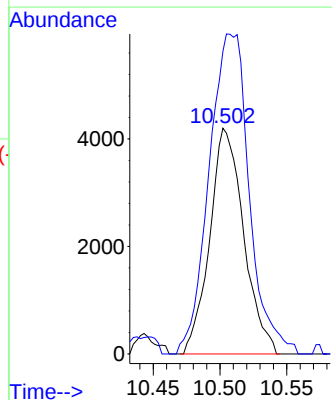
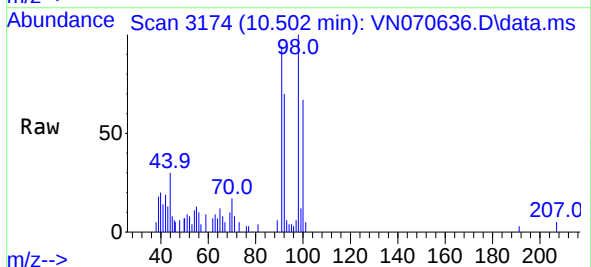
Instrument :
MSVOA_N
ClientSampleId :
MW-49

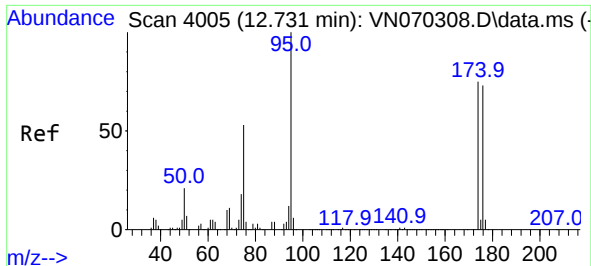
Tgt Ion: 98 Resp: 2048027
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6



#52
Toluene
Concen: 0.267 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 92 Resp: 7419
Ion Ratio Lower Upper
92 100
91 168.1 142.0 213.0

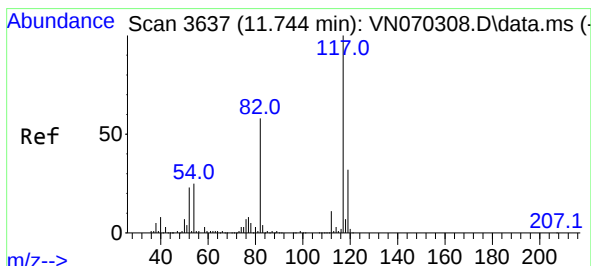
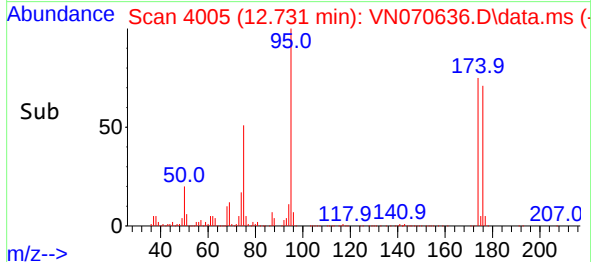
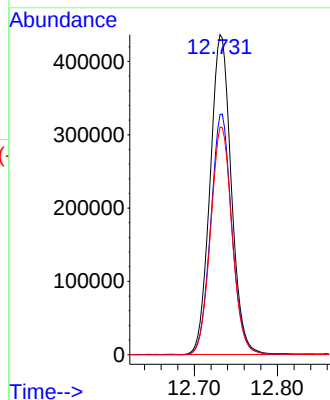
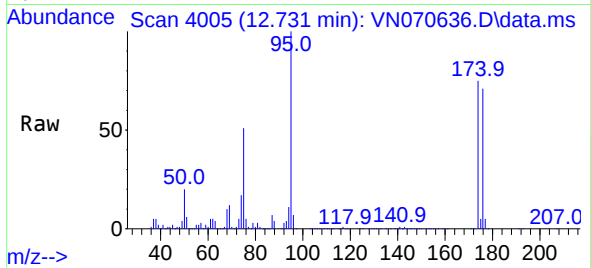




#62
4-Bromofluorobenzene
Concen: 57.740 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

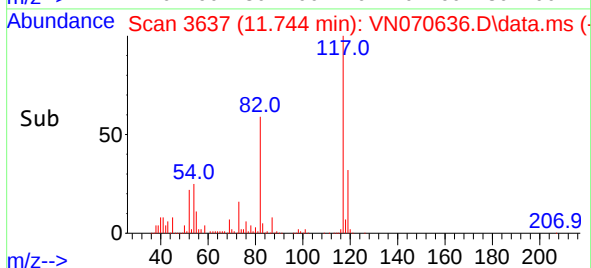
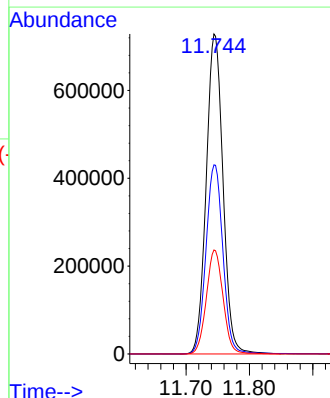
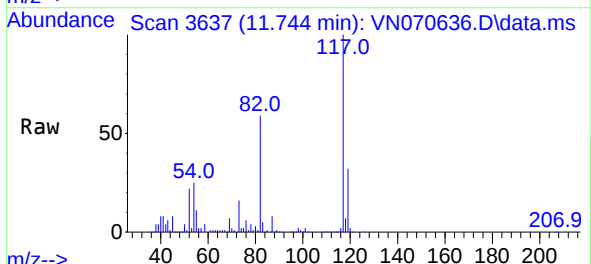
Instrument :
MSVOA_N
ClientSampleId :
MW-49

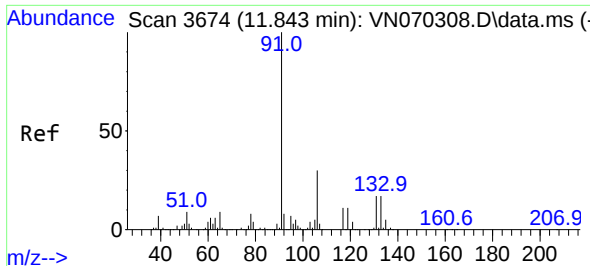
Tgt Ion: 95 Resp: 771925
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 117 Resp: 1339238
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.5 25.4 38.2

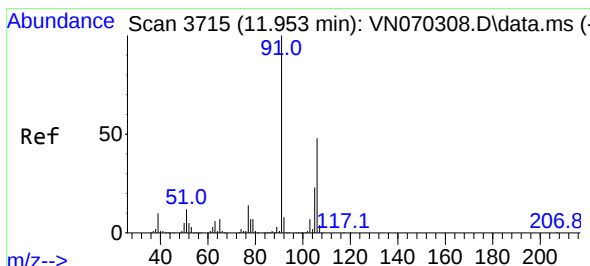
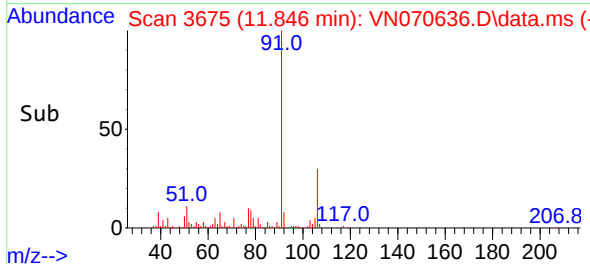
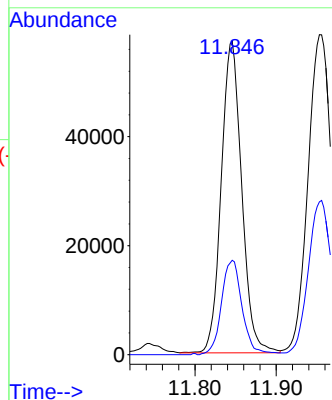
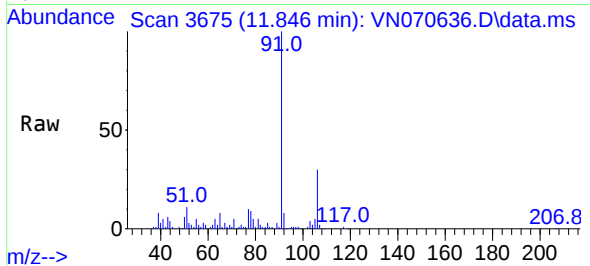




#67
Ethyl Benzene
Concen: 1.921 ug/l
RT: 11.846 min Scan# 3074
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

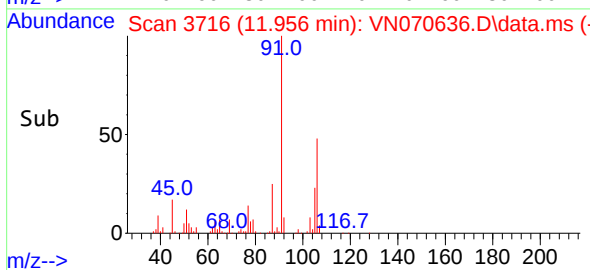
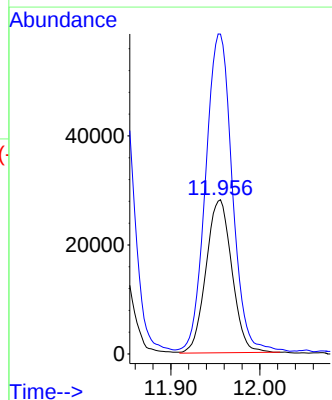
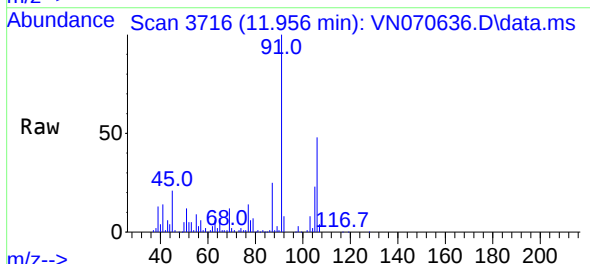
Instrument :
MSVOA_N
ClientSampleId :
MW-49

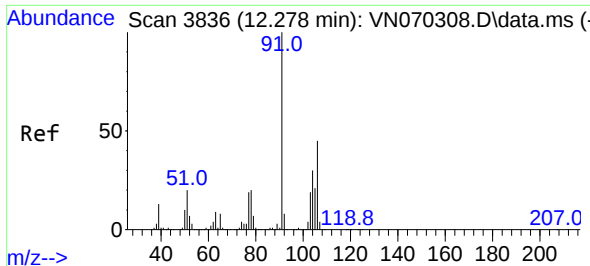
Tgt Ion: 91 Resp: 99993
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5



#68
m/p-Xylenes
Concen: 2.987 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion:106 Resp: 56601
Ion Ratio Lower Upper
106 100
91 213.5 160.6 240.8

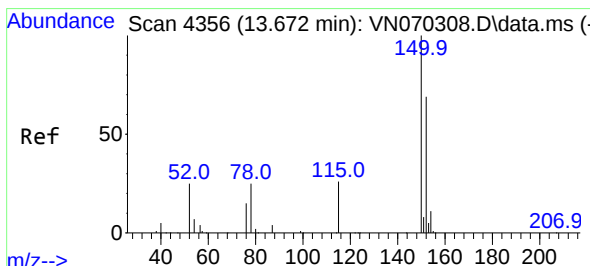
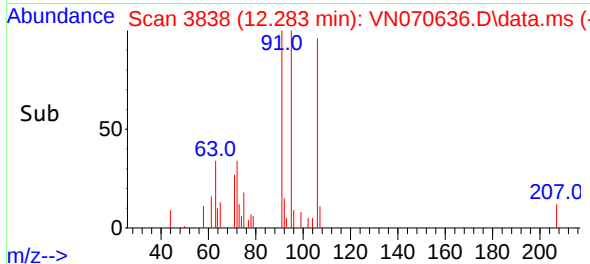
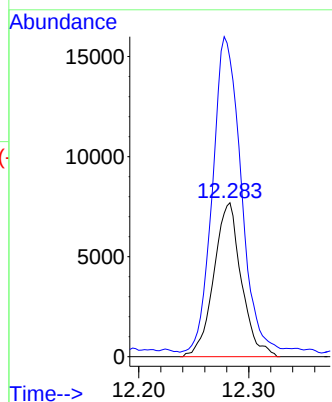
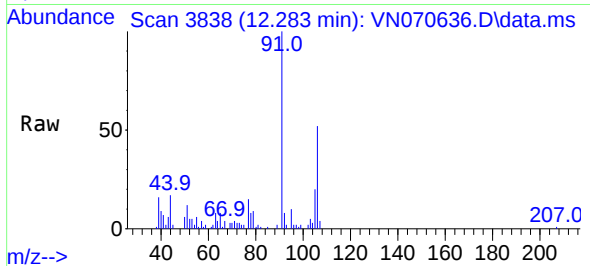




#69
o-Xylene
Concen: 0.710 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.005 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

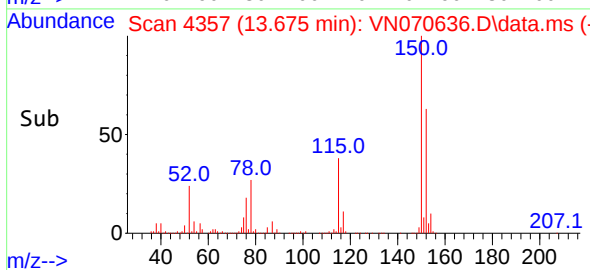
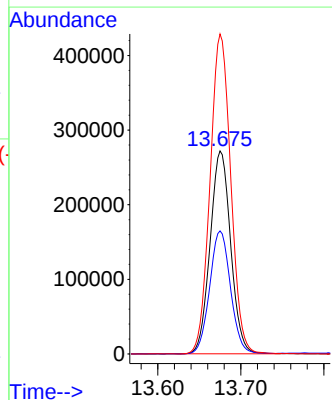
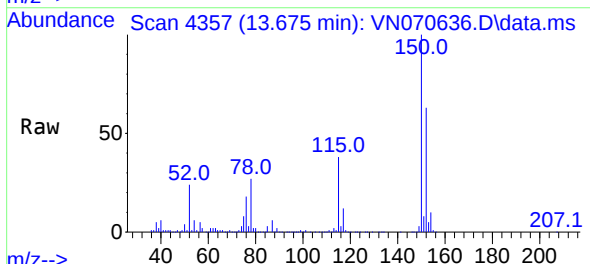
Instrument :
MSVOA_N
ClientSampleId :
MW-49

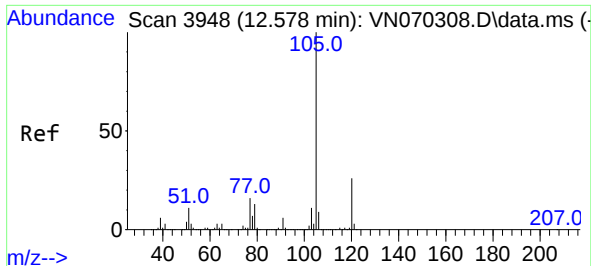
Tgt Ion:106 Resp: 13378
Ion Ratio Lower Upper
106 100
91 211.4 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion:152 Resp: 468400
Ion Ratio Lower Upper
152 100
115 61.7 27.5 82.5
150 158.6 0.0 344.4

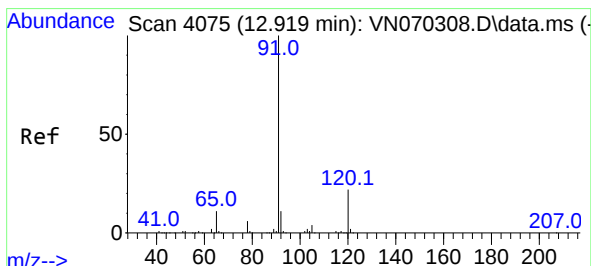
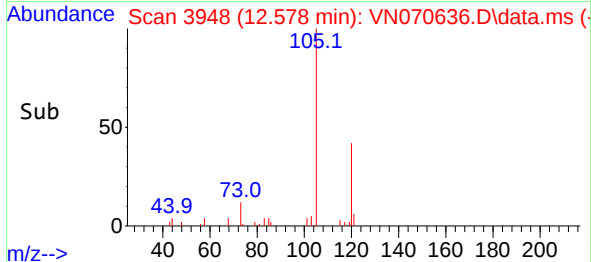
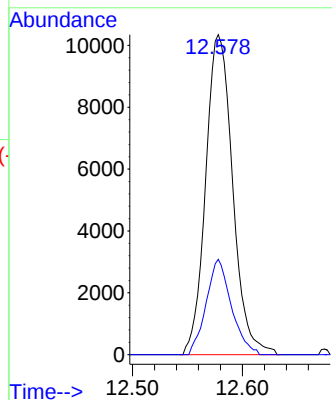
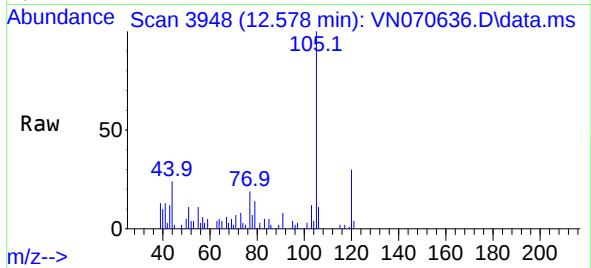




#73
Isopropylbenzene
Concen: 0.407 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

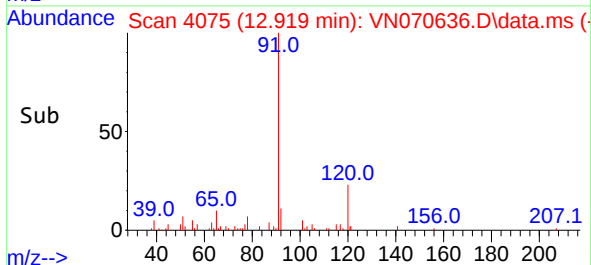
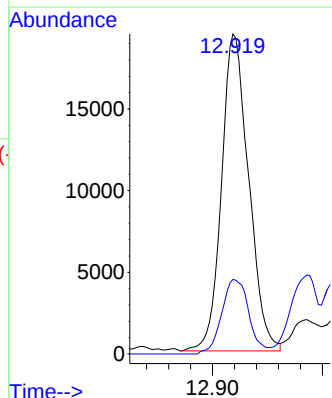
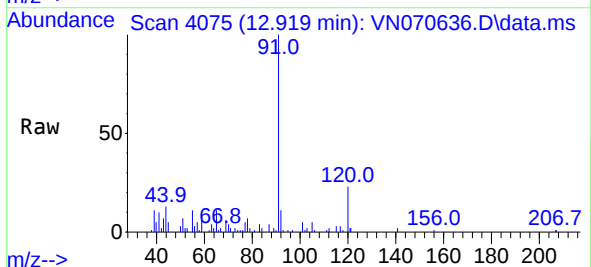
Instrument :
MSVOA_N
ClientSampleId :
MW-49

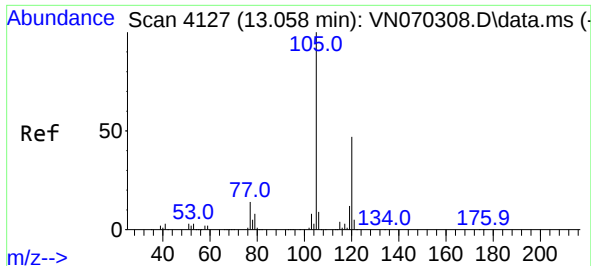
Tgt Ion:105 Resp: 17688
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.1



#78
n-propylbenzene
Concen: 0.691 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion: 91 Resp: 33302
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.9

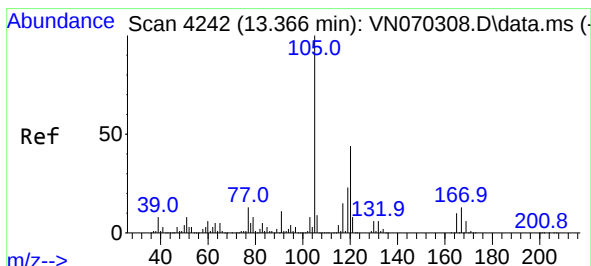
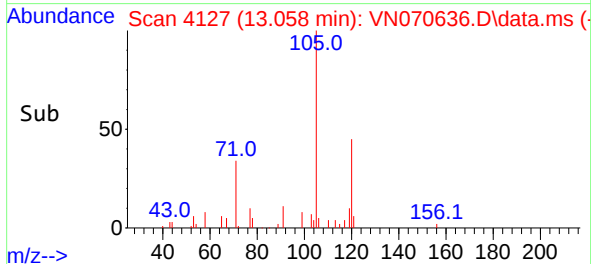
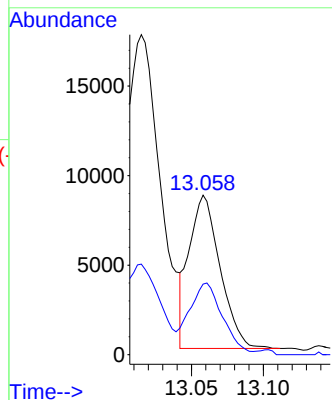
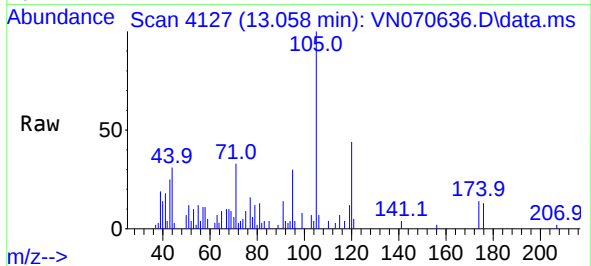




#80
1,3,5-Trimethylbenzene
Concen: 0.368 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

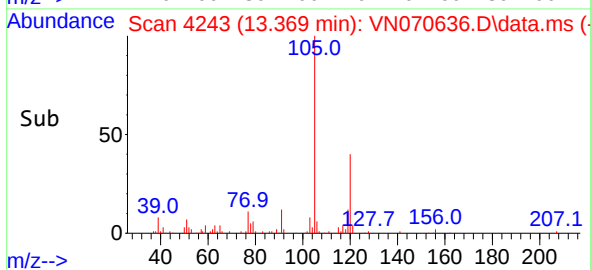
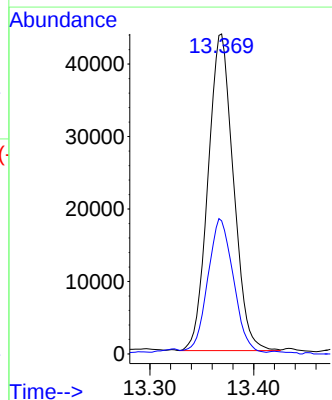
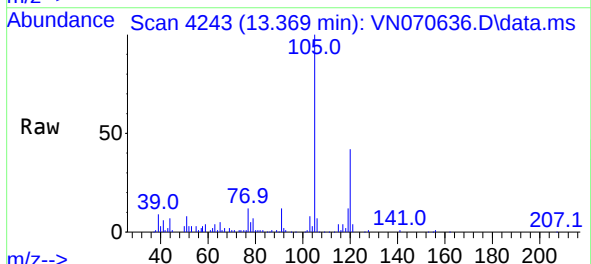
Instrument :
MSVOA_N
ClientSampleId :
MW-49

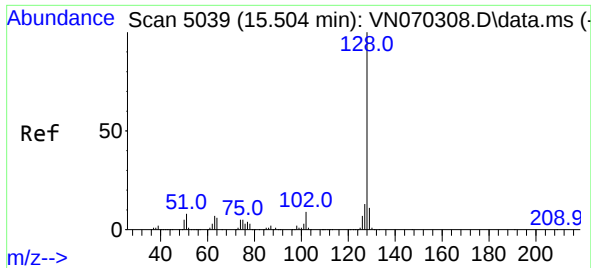
Tgt Ion:105 Resp: 12829
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 2.211 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.003 min
Lab File: VN070636.D
Acq: 14 Jan 2022 20:45

Tgt Ion:105 Resp: 74223
Ion Ratio Lower Upper
105 100
120 42.3 22.8 68.4





#95

Naphthalene

Concen: 14.187 ug/l

RT: 15.507 min Scan# 50

Delta R.T. 0.003 min

Lab File: VN070636.D

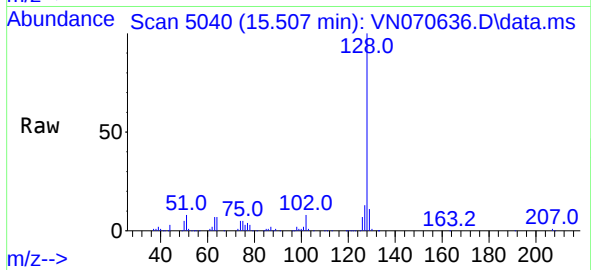
Acq: 14 Jan 2022 20:45

Instrument :

MSVOA_N

ClientSampleId :

MW-49



Tgt Ion:128 Resp: 274288

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.4 8.7 13.1

