

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070635.D
 Acq On : 14 Jan 2022 20:19
 Operator : JC/MD
 Sample : N1148-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48

Quant Time: Jan 17 05:42:01 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)

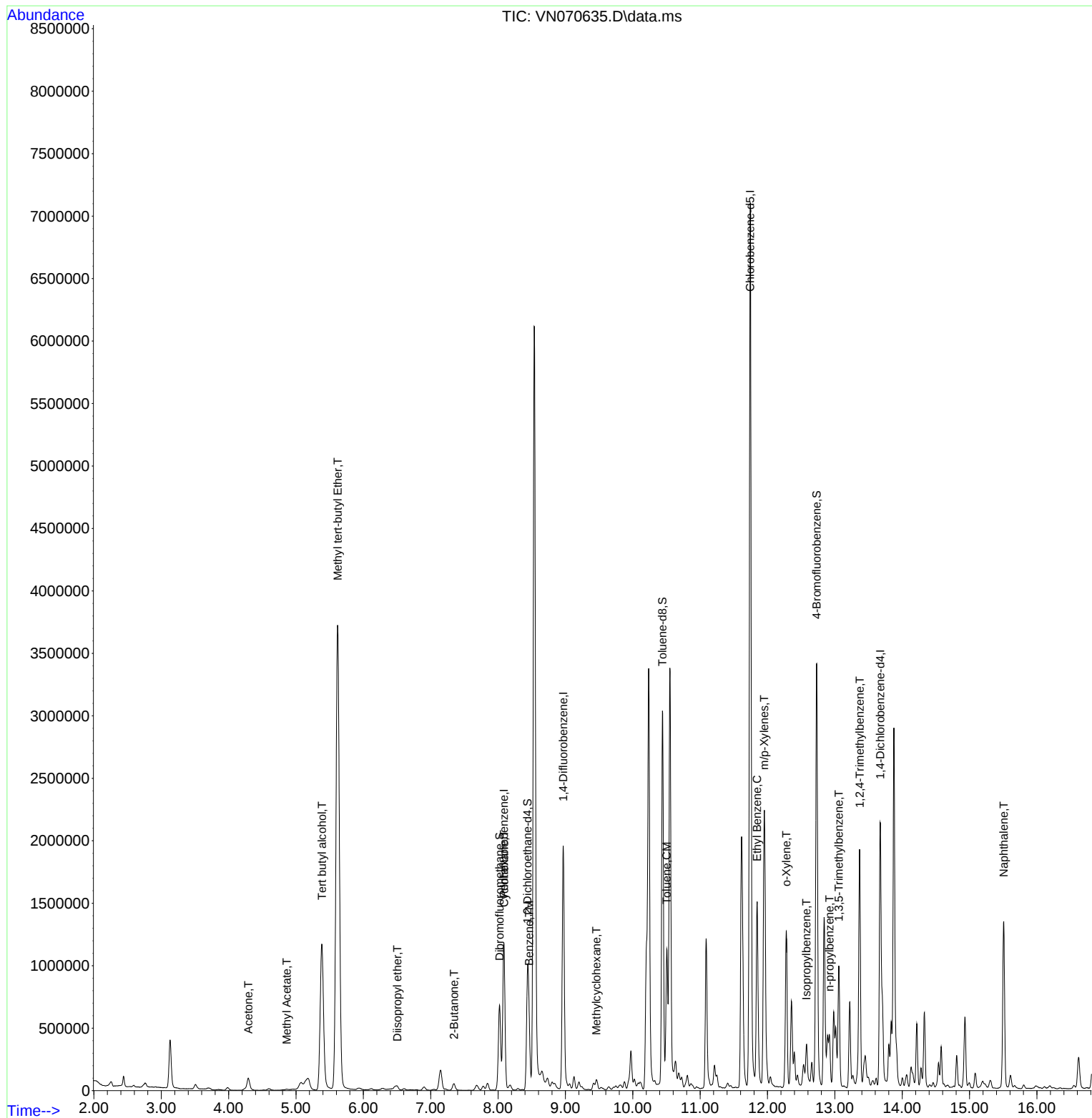
Internal Standards						
1) Pentafluorobenzene	8.086	168	875281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1511131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1369246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	513049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	715718	56.871	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 113.740%		
35) Dibromofluoromethane	8.021	113	503910	55.114	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 110.220%		
50) Toluene-d8	10.440	98	2066023	55.314	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 110.620%		
62) 4-Bromofluorobenzene	12.731	95	827213	61.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 122.640%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.385	59	2222258	1060.519	ug/l	98
16) Acetone	4.293	43	189396	23.183	ug/l	98
18) Methyl Acetate	4.862	43	14672	0.621	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	6069251	183.333	ug/l	93
22) Diisopropyl ether	6.503	45	38693	0.983	ug/l #	86
25) 2-Butanone	7.348	43	92078	8.951	ug/l	94
31) Cyclohexane	8.091	56	52193	2.628	ug/l #	76
39) Methylcyclohexane	9.461	83	22085	1.206	ug/l #	82
40) Benzene	8.461	78	375571	8.099	ug/l	100
52) Toluene	10.505	92	461325	16.436	ug/l	97
67) Ethyl Benzene	11.843	91	976724	18.349	ug/l	97
68) m/p-Xylenes	11.950	106	633225	32.680	ug/l	93
69) o-Xylene	12.280	106	333835	17.322	ug/l	93
73) Isopropylbenzene	12.578	105	205743	4.318	ug/l	98
78) n-propylbenzene	12.921	91	284737	5.394	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	459019	12.023	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	1067135	29.026	ug/l	97
95) Naphthalene	15.507	128	1265134	53.973	ug/l	99

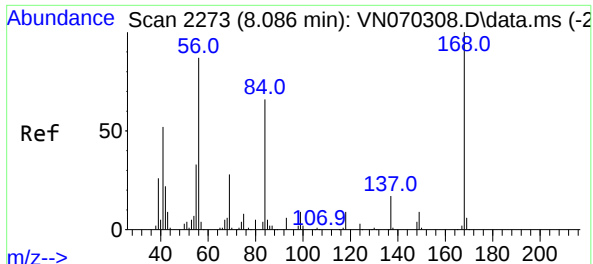
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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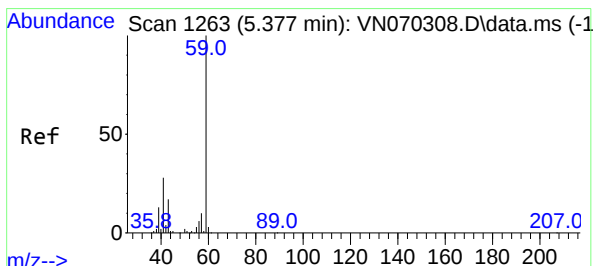
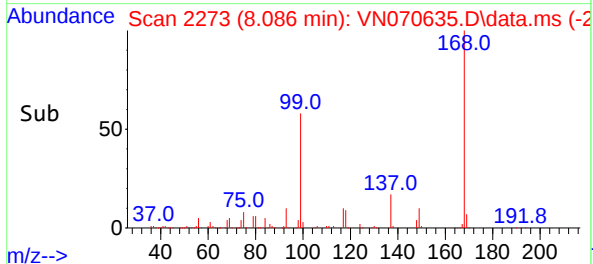
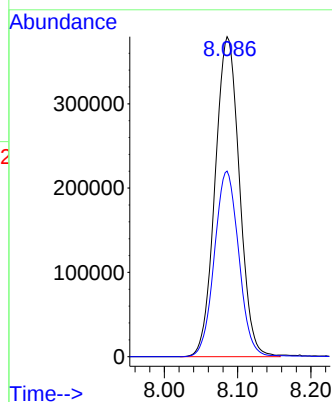
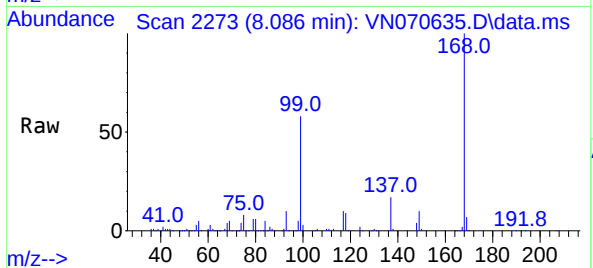




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

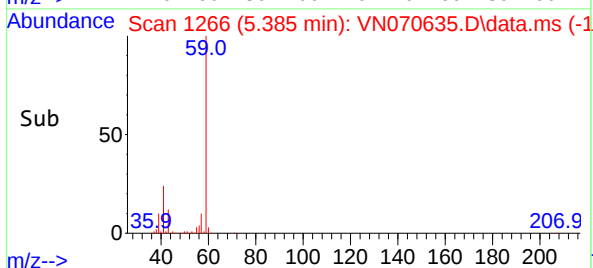
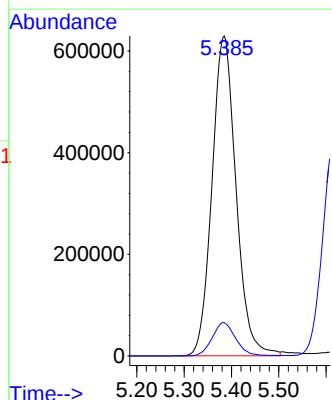
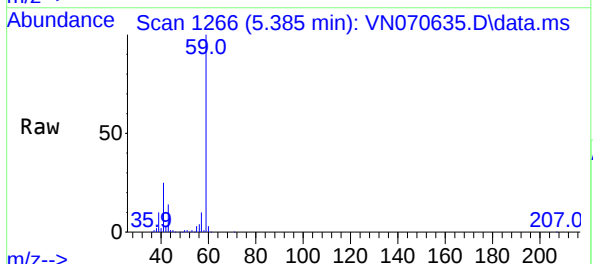
Instrument :
MSVOA_N
ClientSampleId :
MW-48

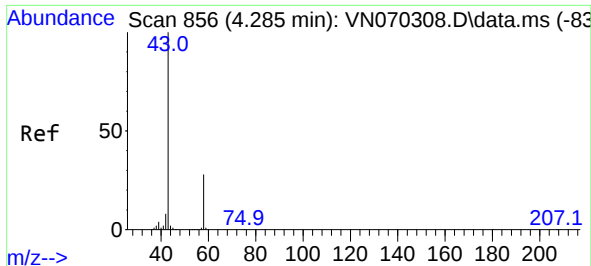
Tgt Ion:168 Resp: 875281
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 1060.519 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. 0.008 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 59 Resp: 2222258
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

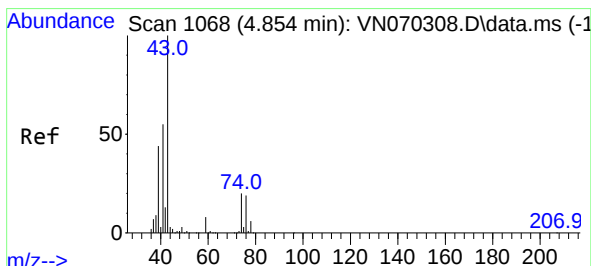
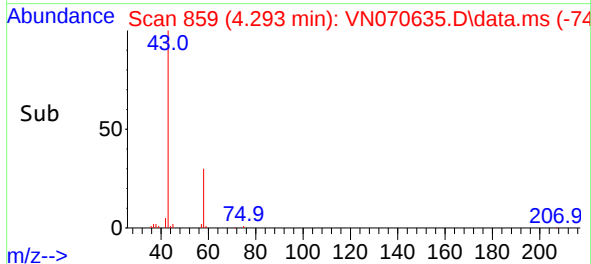
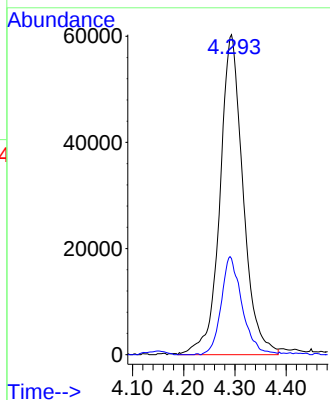
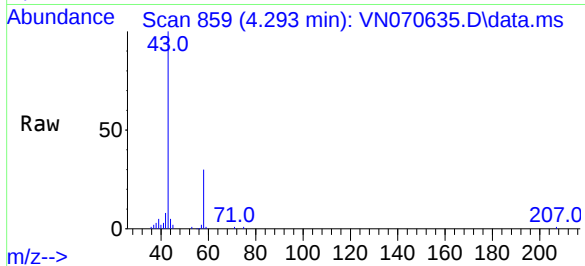




#16
Acetone
Concen: 23.183 ug/l
RT: 4.293 min Scan# 856
Delta R.T. 0.008 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

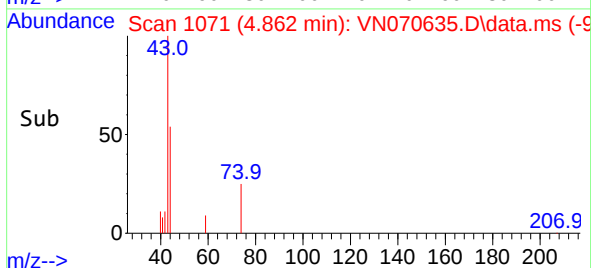
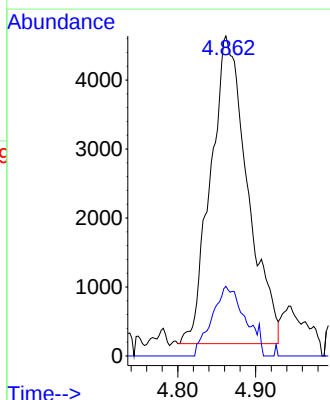
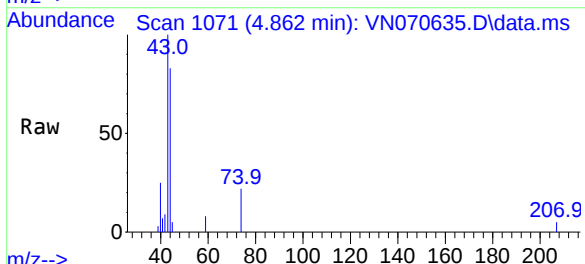
Instrument :
MSVOA_N
ClientSampleId :
MW-48

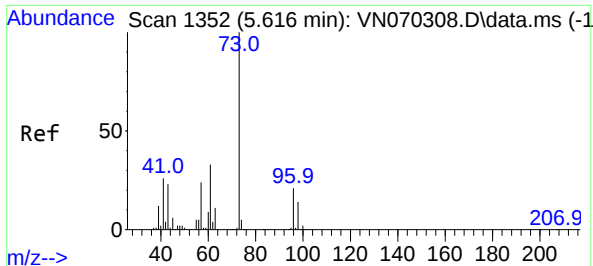
Tgt Ion: 43 Resp: 189396
Ion Ratio Lower Upper
43 100
58 30.0 23.1 34.7



#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 43 Resp: 14672
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2

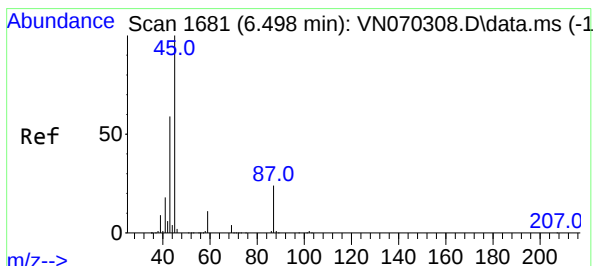
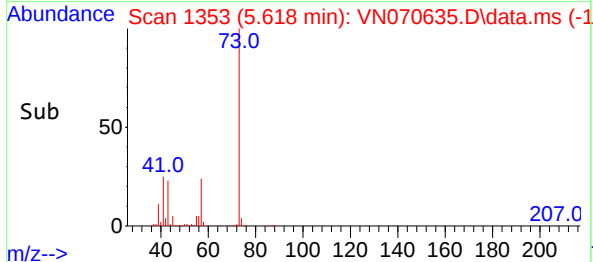
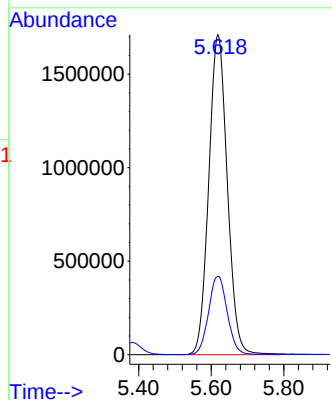
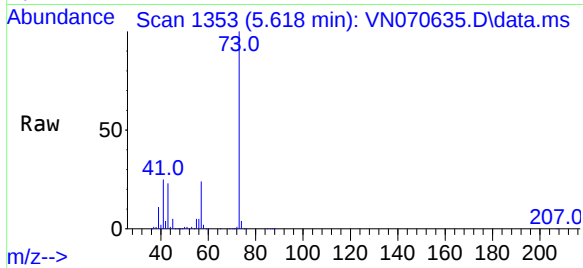




#19
Methyl tert-butyl Ether
Concen: 183.333 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.002 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

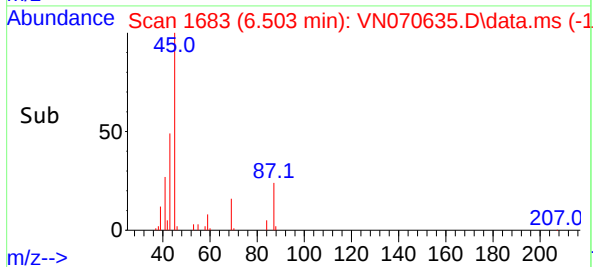
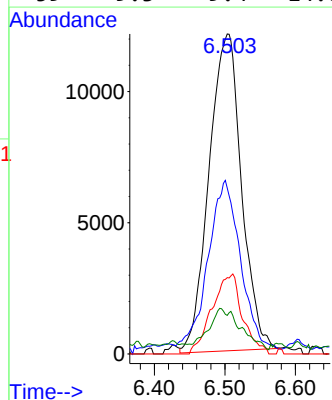
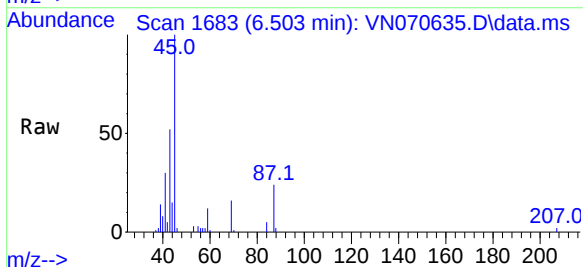
Instrument :
MSVOA_N
ClientSampleId :
MW-48

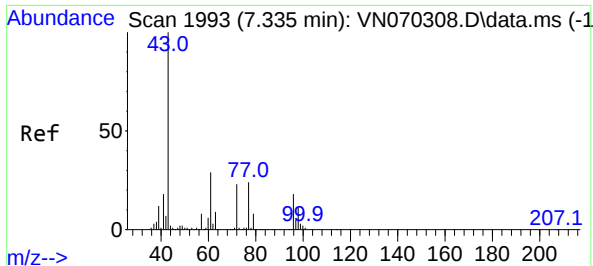
Tgt Ion: 73 Resp: 6069251
Ion Ratio Lower Upper
73 100
57 24.4 16.8 25.2



#22
Diisopropyl ether
Concen: 0.983 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.005 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 45 Resp: 38693
Ion Ratio Lower Upper
45 100
43 51.3 51.7 77.5#
87 24.3 23.2 34.8
59 9.3 9.4 14.0#

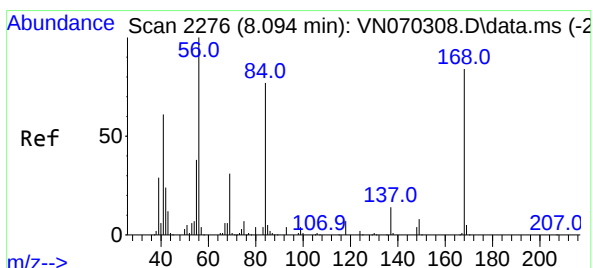
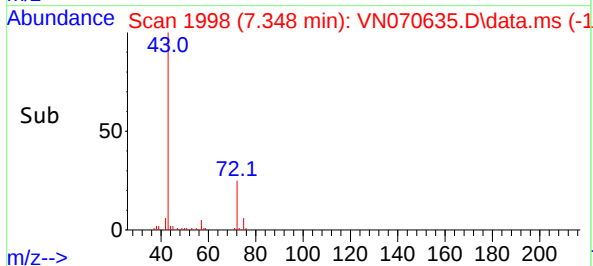
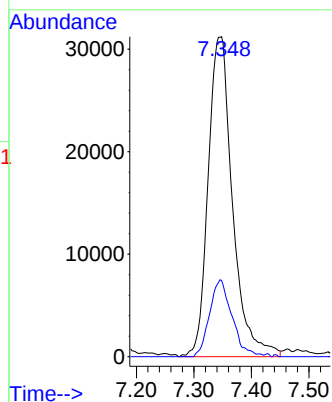
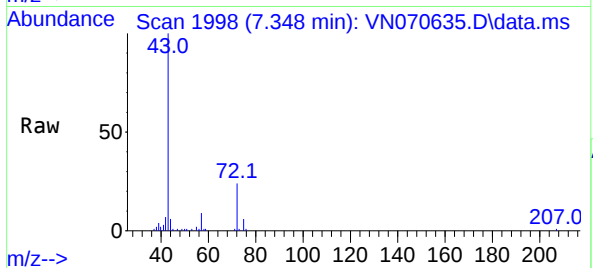




#25
2-Butanone
Concen: 8.951 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.013 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

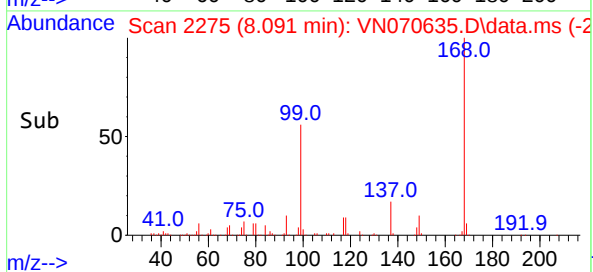
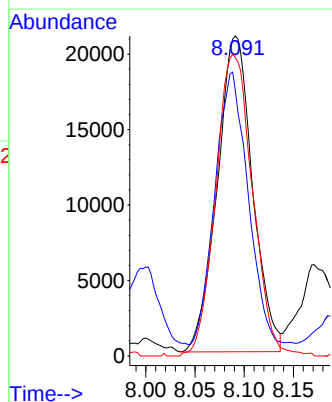
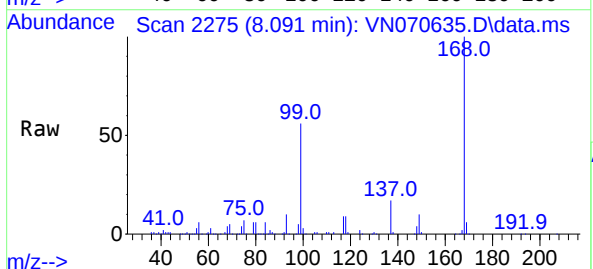
Instrument :
MSVOA_N
ClientSampleId :
MW-48

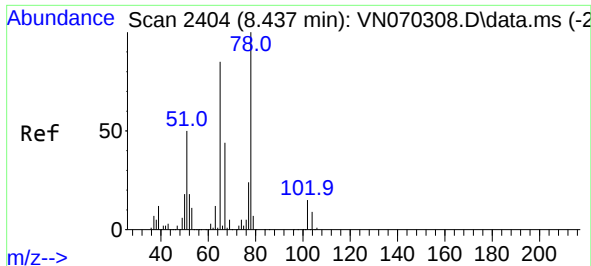
Tgt Ion: 43 Resp: 92078
Ion Ratio Lower Upper
43 100
72 23.8 21.7 32.5



#31
Cyclohexane
Concen: 2.628 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 56 Resp: 52193
Ion Ratio Lower Upper
56 100
69 80.1 27.1 40.7#
84 94.5 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 56.871 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070635.D

Acq: 14 Jan 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

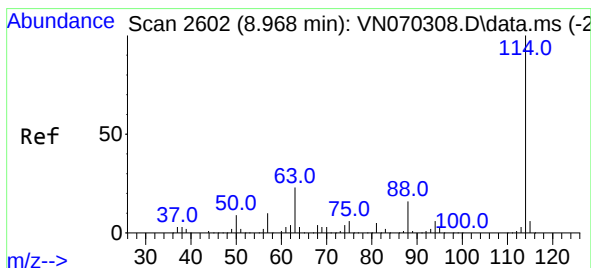
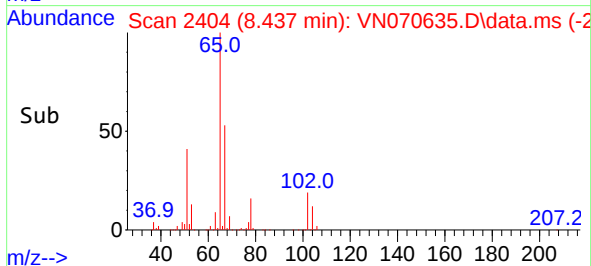
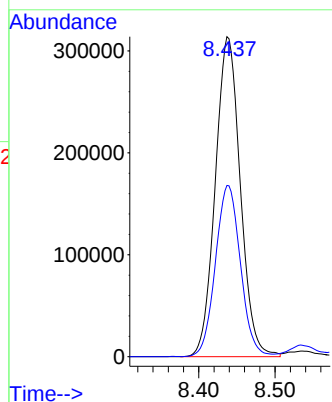
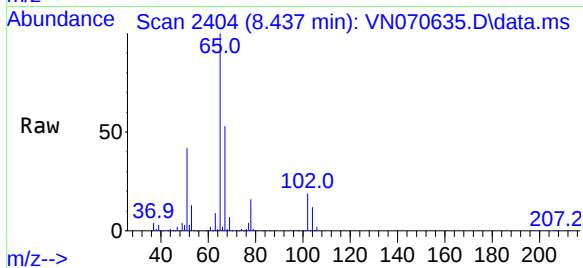
MW-48

Tgt Ion: 65 Resp: 715718

Ion Ratio Lower Upper

65 100

67 53.5 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: VN070635.D

Acq: 14 Jan 2022 20:19

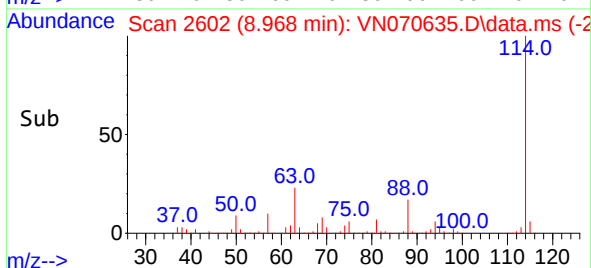
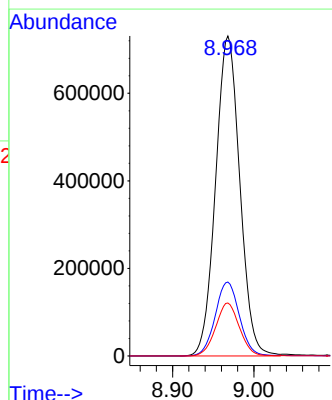
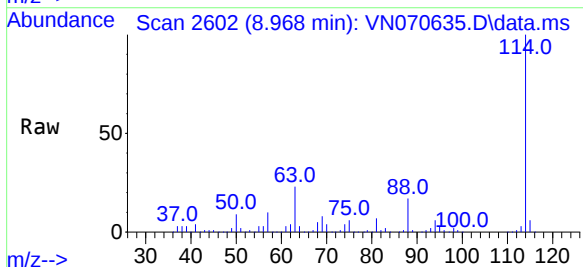
Tgt Ion: 114 Resp: 1511131

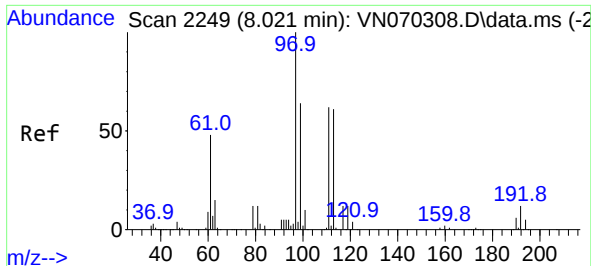
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.6 0.0 27.4

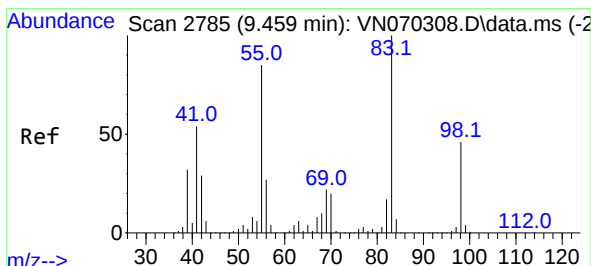
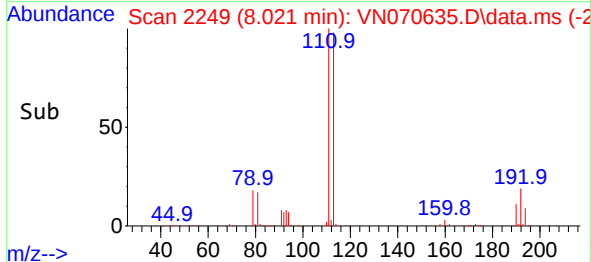
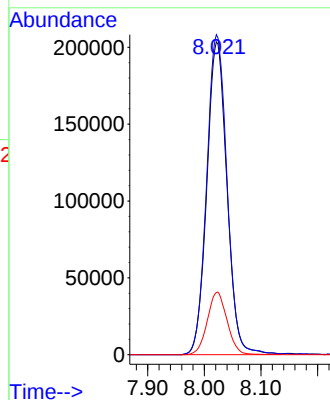
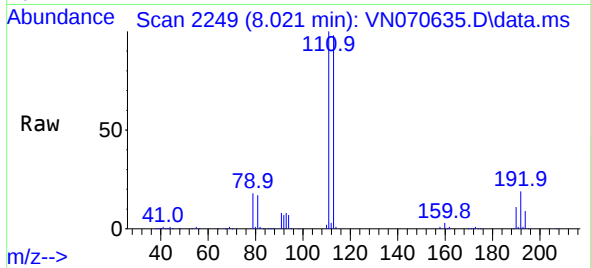




#35
Dibromofluoromethane
Concen: 55.114 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

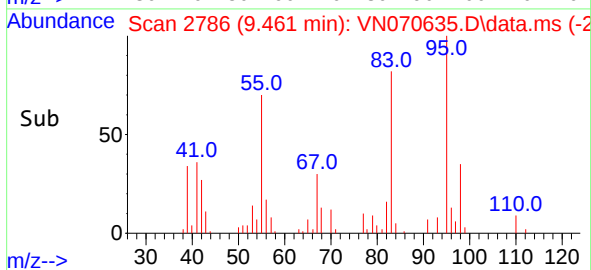
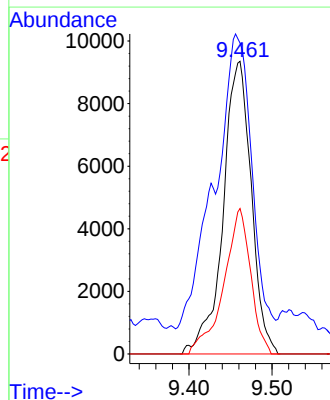
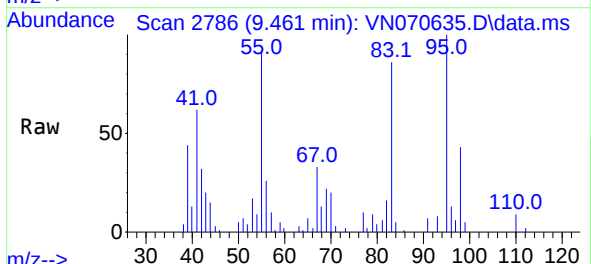
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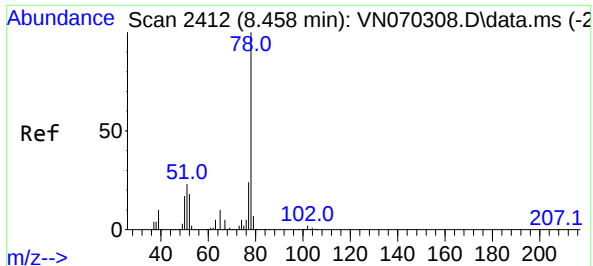
Tgt Ion:113 Resp: 503910
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.6 16.9 25.3



#39
Methylcyclohexane
Concen: 1.206 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.002 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 83 Resp: 22085
Ion Ratio Lower Upper
83 100
55 95.8 58.1 87.1#
98 49.7 38.4 57.6

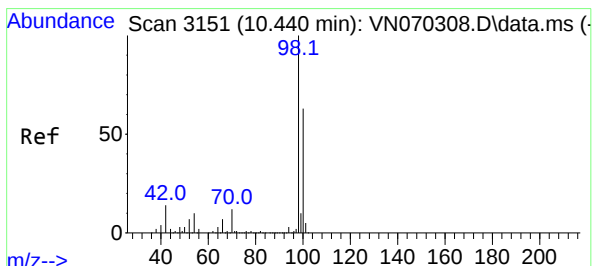
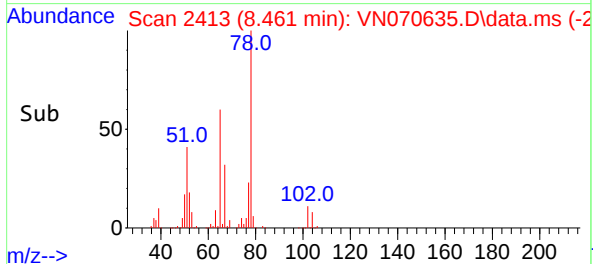
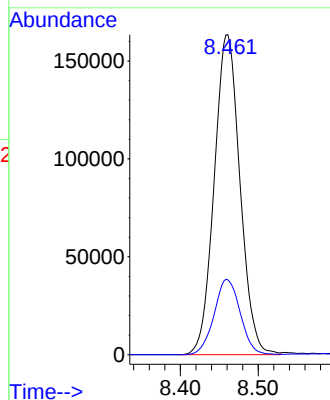
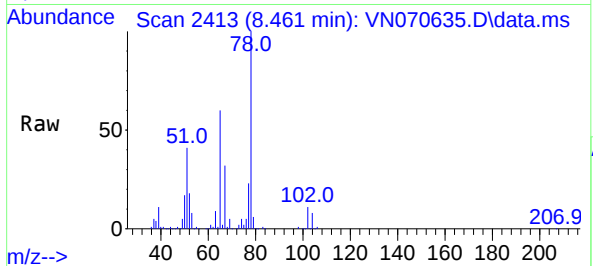




#40
Benzene
Concen: 8.099 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

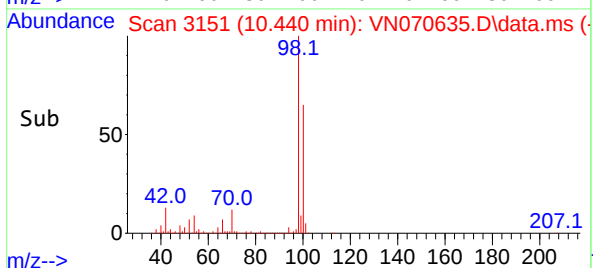
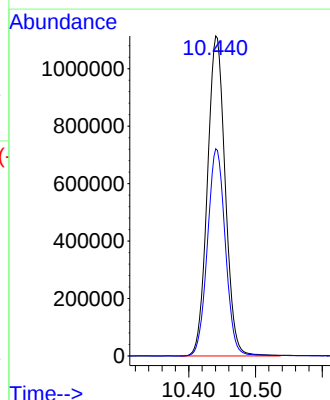
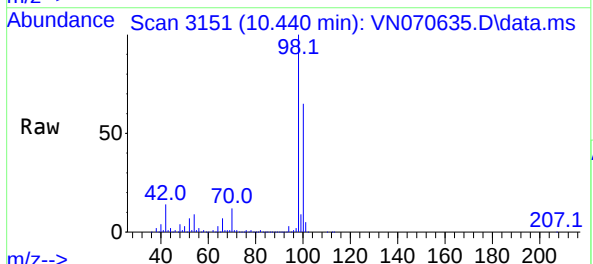
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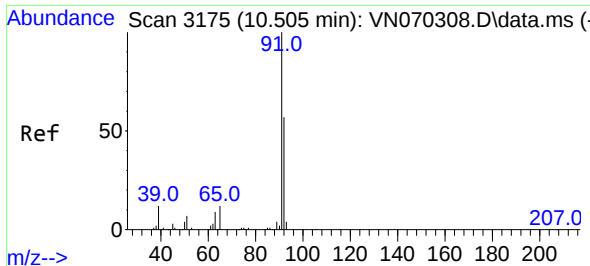
Tgt Ion: 78 Resp: 375571
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8



#50
Toluene-d8
Concen: 55.314 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 98 Resp: 2066023
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6

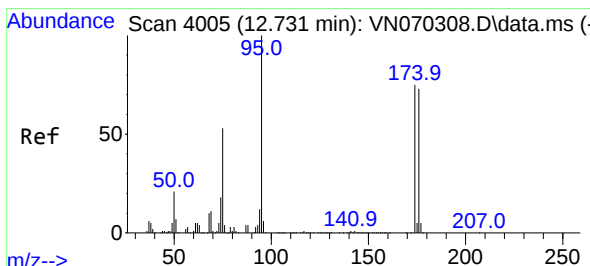
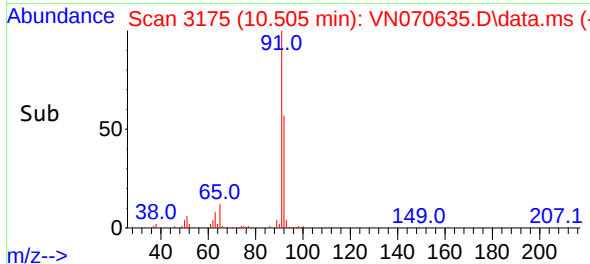
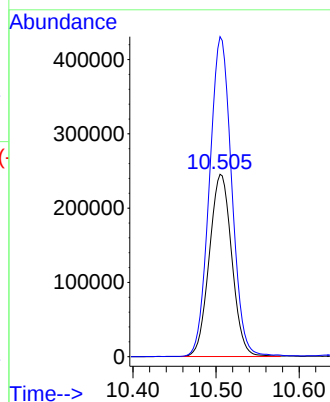
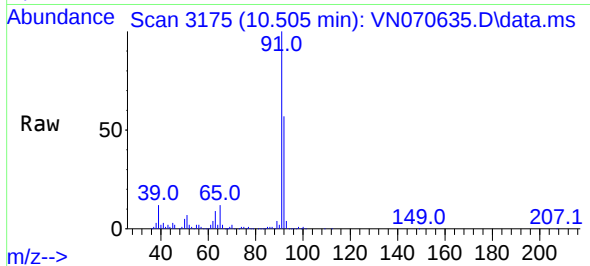




#52
Toluene
Concen: 16.436 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

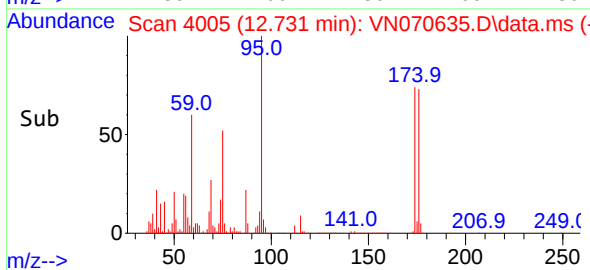
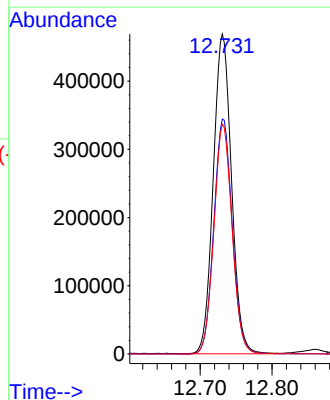
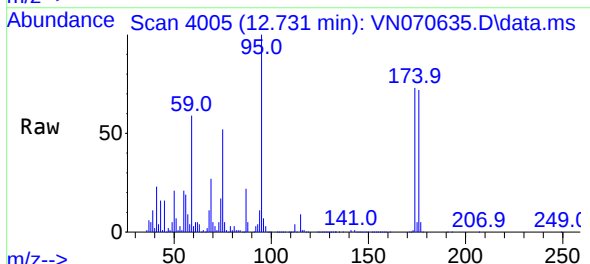
Instrument : MSVOA_N
ClientSampleId : MW-48

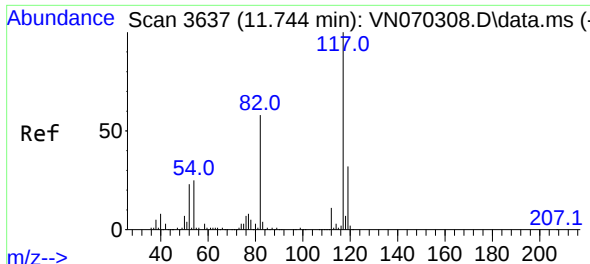
Tgt Ion: 92 Resp: 461325
Ion Ratio Lower Upper
92 100
91 173.4 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 61.319 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 95 Resp: 827213
Ion Ratio Lower Upper
95 100
174 74.0 0.0 187.2
176 71.6 0.0 181.4

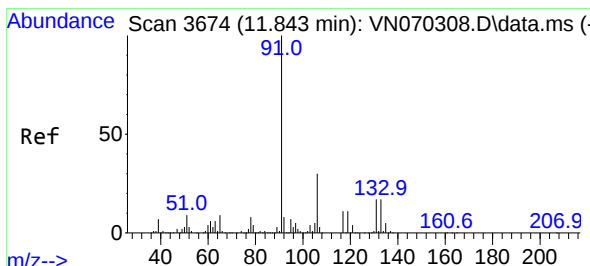
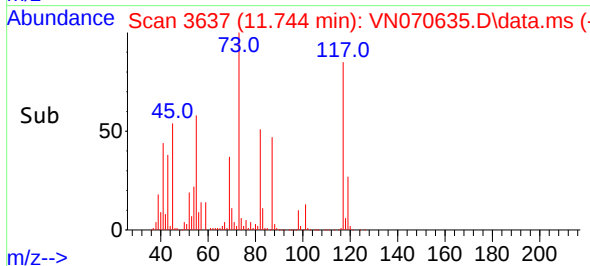
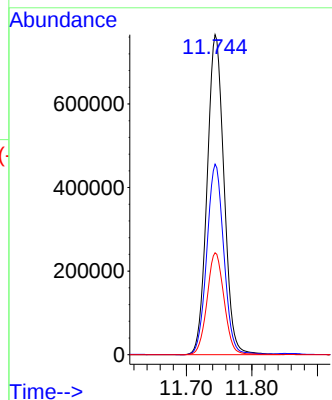
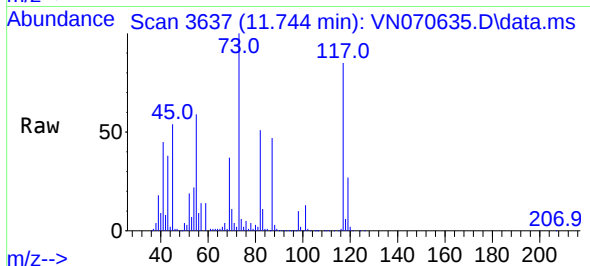




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

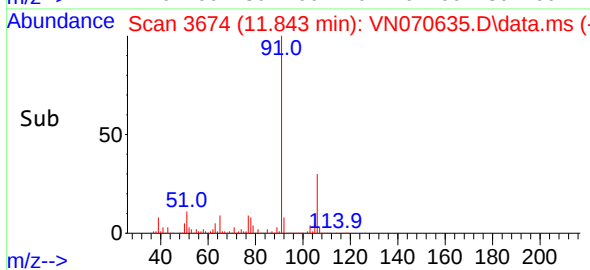
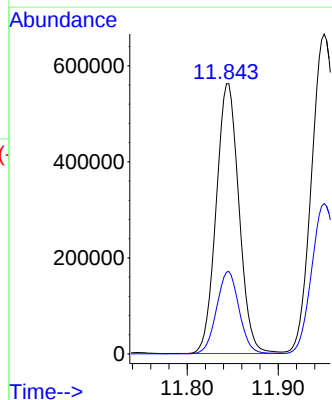
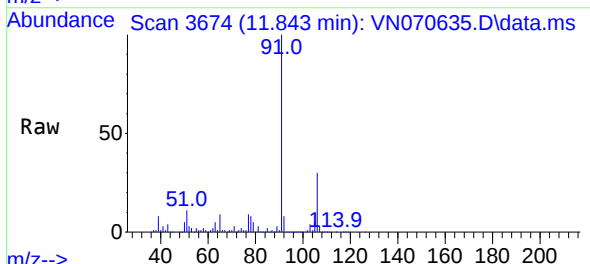
Instrument :
MSVOA_N
ClientSampleId :
MW-48

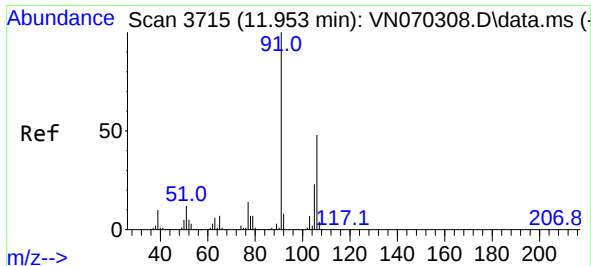
Tgt Ion:117 Resp: 1369246
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.9 25.4 38.2



#67
Ethyl Benzene
Concen: 18.349 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion: 91 Resp: 976724
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5

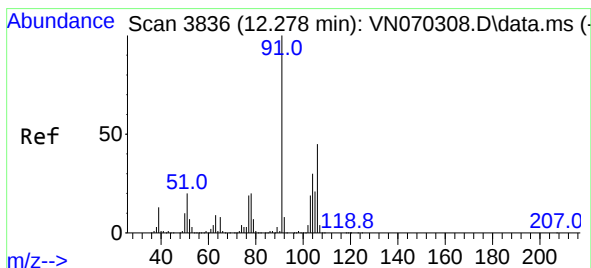
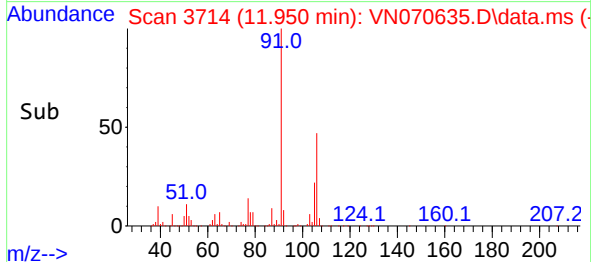
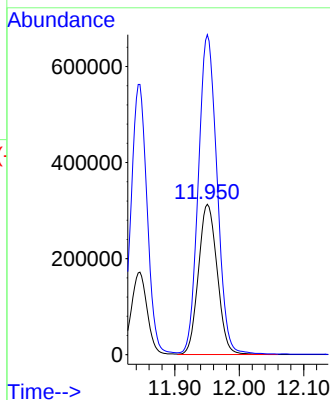
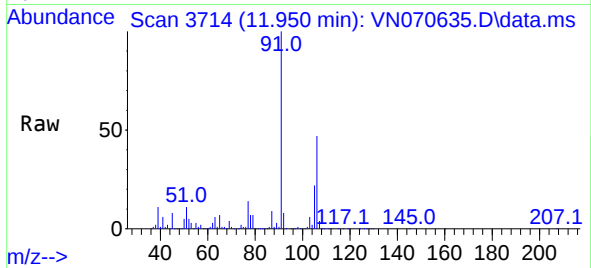




#68
m/p-Xylenes
Concen: 32.680 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

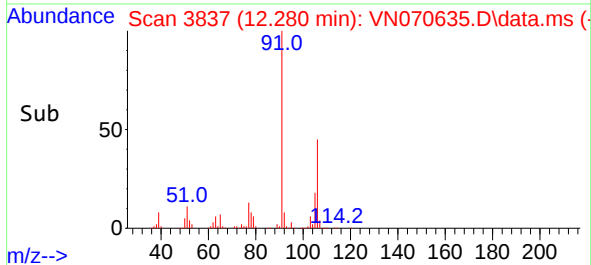
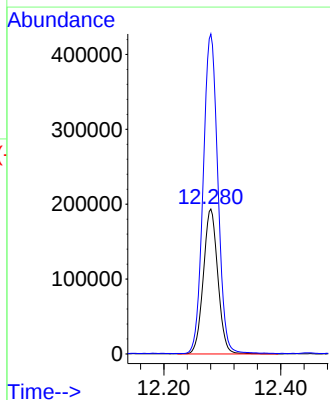
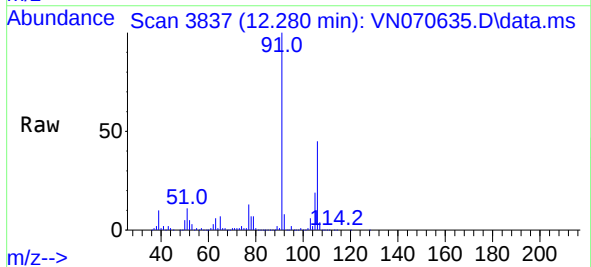
Instrument :
MSVOA_N
ClientSampleId :
MW-48

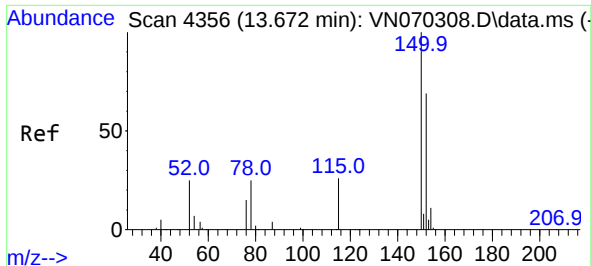
Tgt Ion:106 Resp: 633225
Ion Ratio Lower Upper
106 100
91 211.0 160.6 240.8



#69
o-Xylene
Concen: 17.322 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion:106 Resp: 333835
Ion Ratio Lower Upper
106 100
91 223.1 105.8 317.3

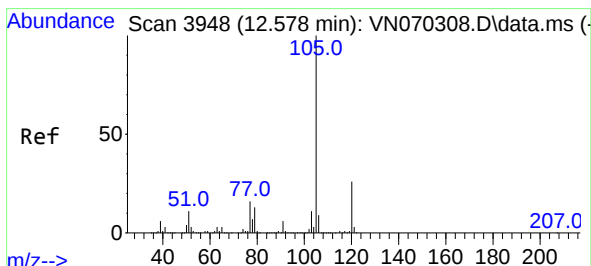
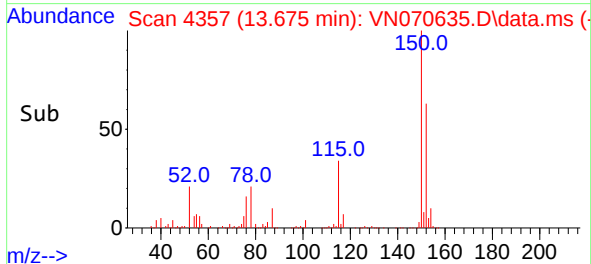
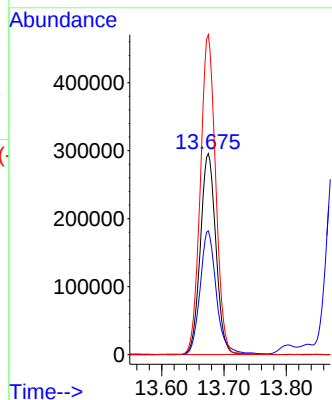
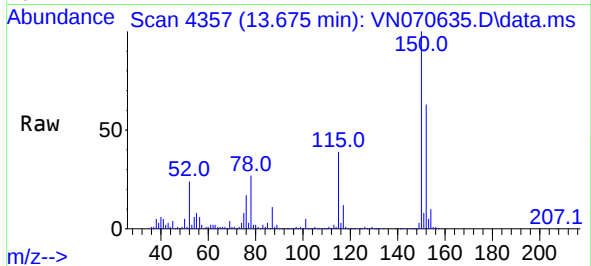




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4356
Delta R.T. 0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

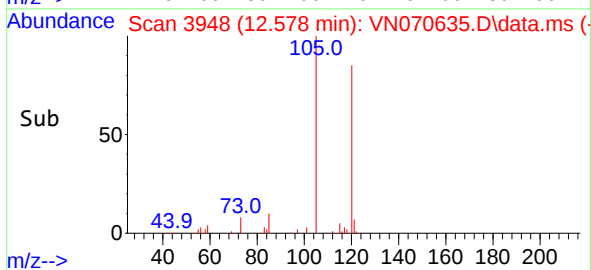
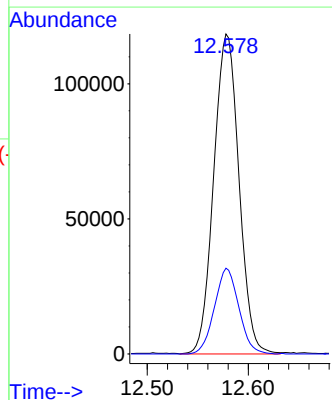
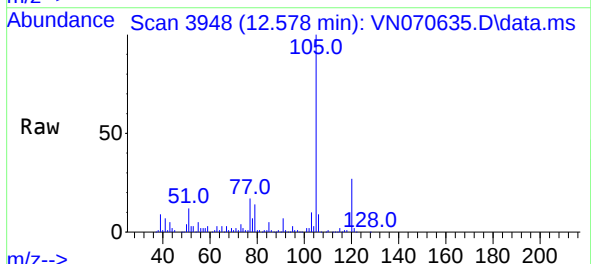
Instrument :
MSVOA_N
ClientSampleId :
MW-48

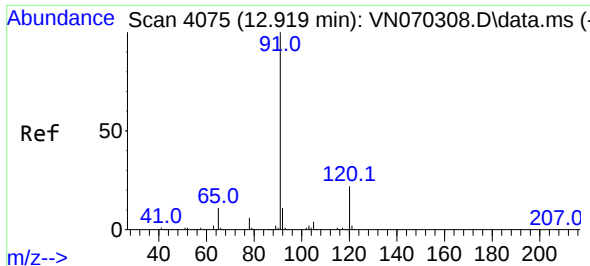
Tgt Ion:152 Resp: 513049
Ion Ratio Lower Upper
152 100
115 64.1 27.5 82.5
150 156.9 0.0 344.4



#73
Isopropylbenzene
Concen: 4.318 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion:105 Resp: 205743
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

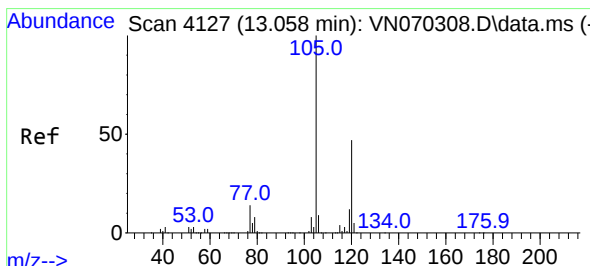
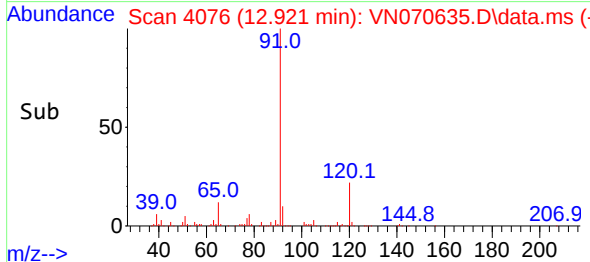
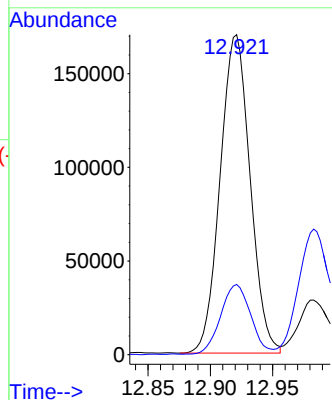
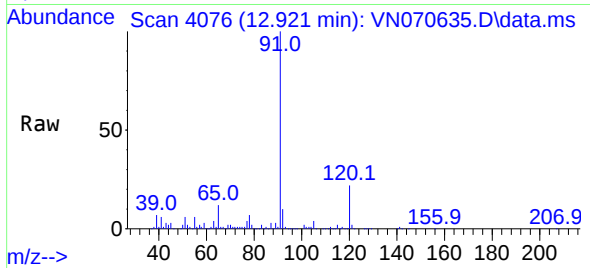




#78
n-propylbenzene
Concen: 5.394 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

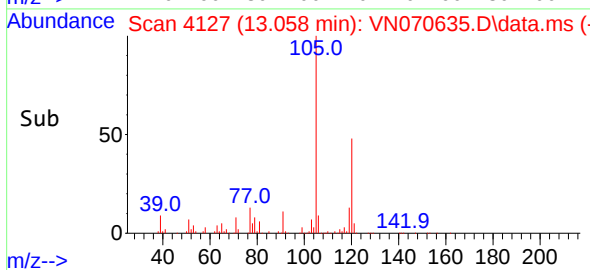
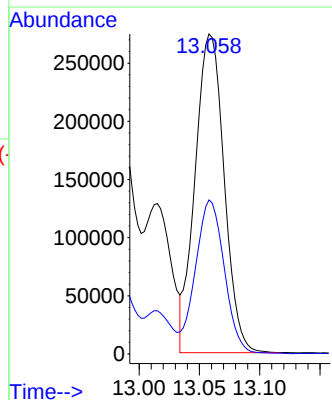
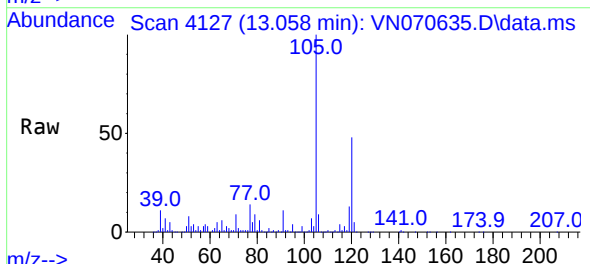
Instrument :
MSVOA_N
ClientSampleId :
MW-48

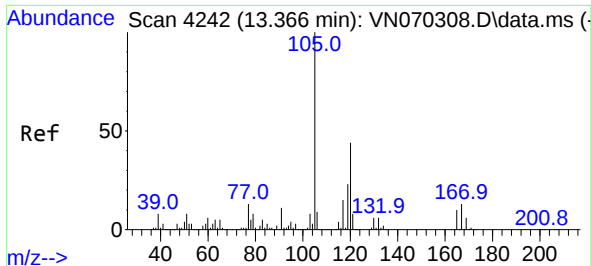
Tgt Ion: 91 Resp: 284737
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 12.023 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion:105 Resp: 459019
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6

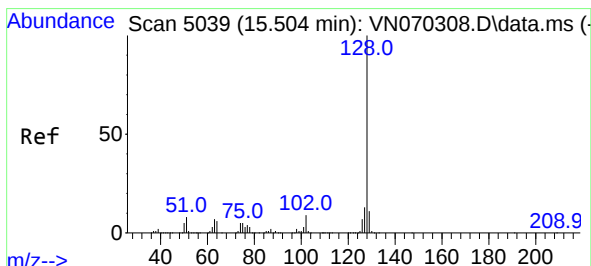
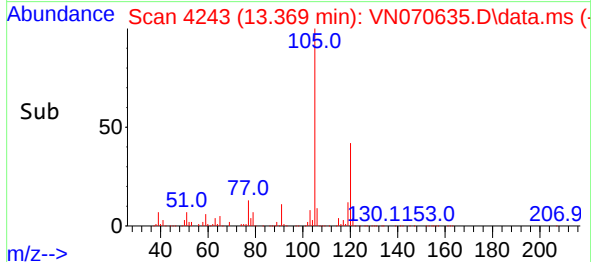
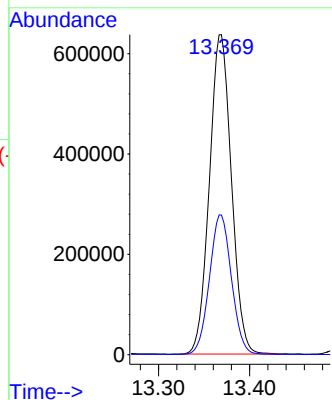
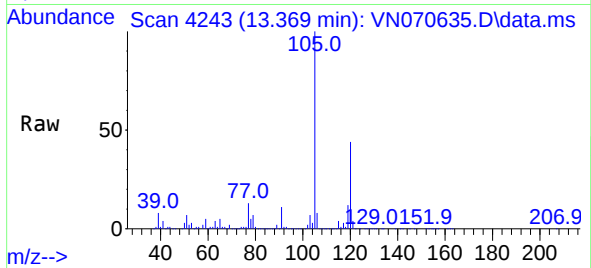




#84
1,2,4-Trimethylbenzene
Concen: 29.026 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Instrument :
MSVOA_N
ClientSampleId :
MW-48

Tgt Ion:105 Resp: 1067135
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4



#95
Naphthalene
Concen: 53.973 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070635.D
Acq: 14 Jan 2022 20:19

Tgt Ion:128 Resp: 1265134
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.7 13.1

