

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012722\
 Data File : VN070811.D
 Acq On : 27 Jan 2022 17:21
 Operator : JC/MD
 Sample : N1278-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Jan 28 03:35:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	862999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1347363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1219314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	516535	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	567165	45.857	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.720%
35) Dibromofluoromethane	8.021	113	390700	46.747	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.500%
50) Toluene-d8	10.440	98	1731357	49.174	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.728	95	601554	47.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.900%

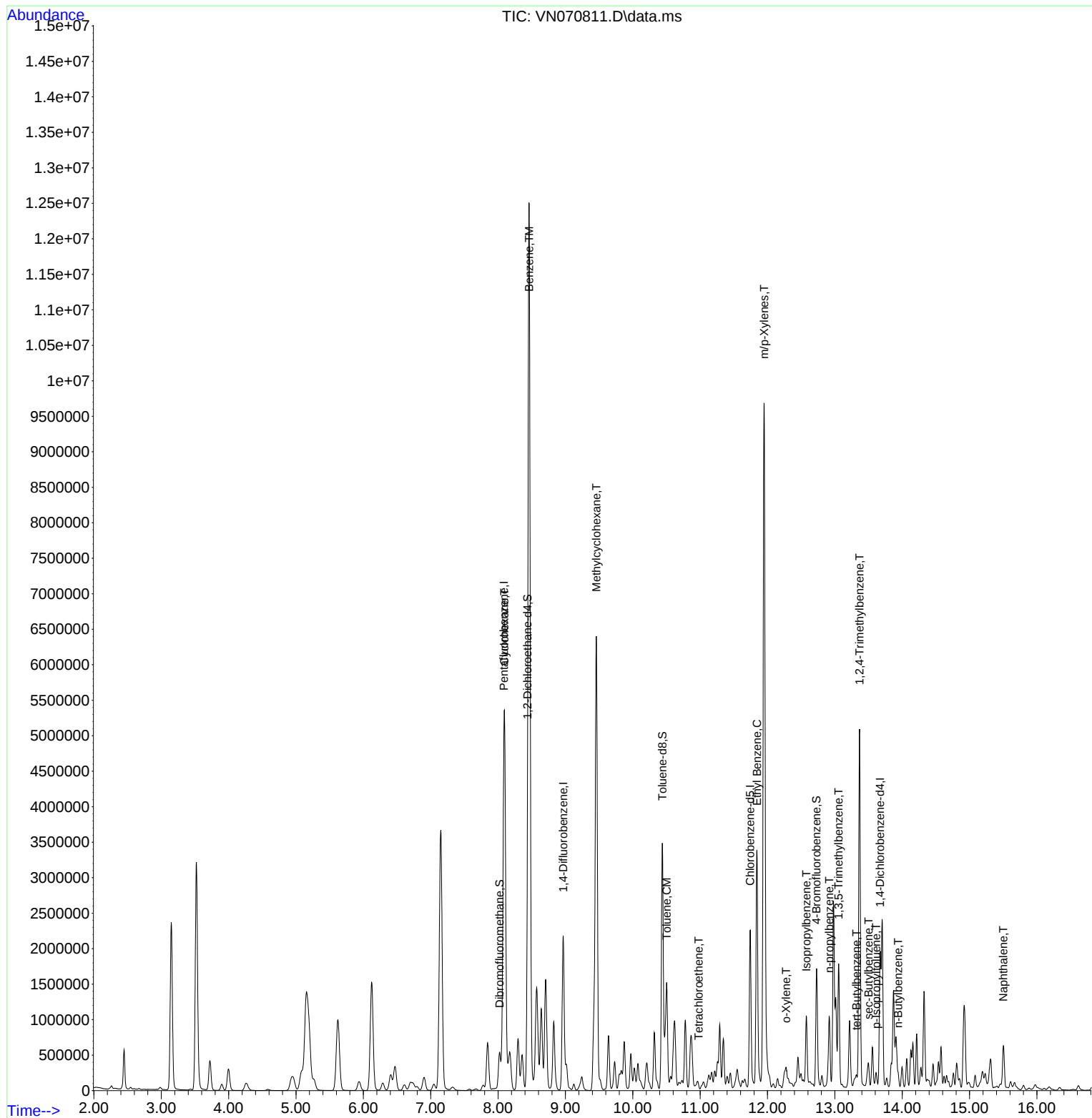
Target Compounds						Qvalue
31) Cyclohexane	8.094	56	2719244	124.856	ug/l	87
39) Methylcyclohexane	9.459	83	2792963	160.793	ug/l	89
40) Benzene	8.461	78	12726425	291.912	ug/l	98
52) Toluene	10.505	92	608971	23.352	ug/l	97
64) Tetrachloroethene	10.977	164	6553	0.733	ug/l	96
67) Ethyl Benzene	11.843	91	2304818	47.057	ug/l	95
68) m/p-Xylenes	11.950	106	3033559	170.253	ug/l	89
69) o-Xylene	12.278	106	61418	3.473	ug/l	89
73) Isopropylbenzene	12.575	105	670428	13.720	ug/l	98
78) n-propylbenzene	12.919	91	795572	14.558	ug/l	95
80) 1,3,5-Trimethylbenzene	13.055	105	927287	23.465	ug/l	95
83) tert-Butylbenzene	13.321	119	77761	2.261	ug/l	90
84) 1,2,4-Trimethylbenzene	13.367	105	2964558	78.045	ug/l	97
85) sec-Butylbenzene	13.501	105	203663	4.355	ug/l	81
86) p-Isopropyltoluene	13.613	119	107385	2.923	ug/l	95
89) n-Butylbenzene	13.940	91	90604	2.990	ug/l #	76
95) Naphthalene	15.501	128	574037	24.259	ug/l	100

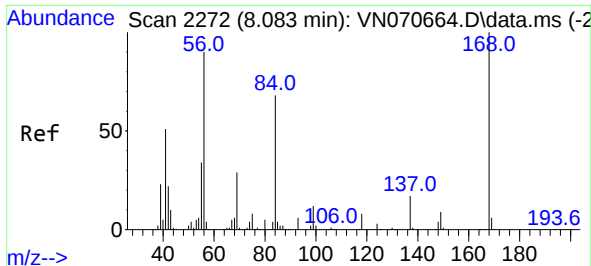
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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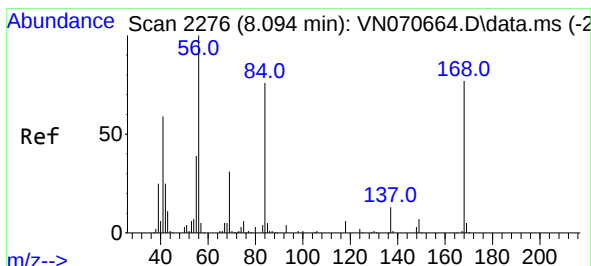
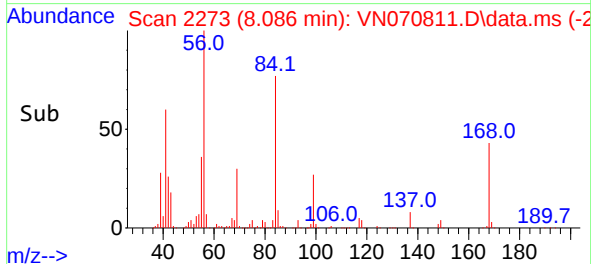
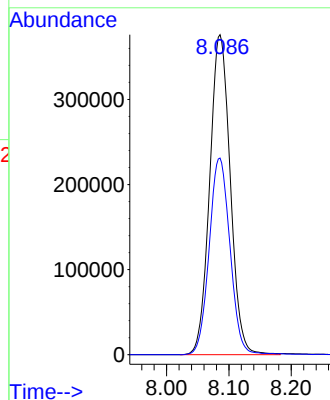
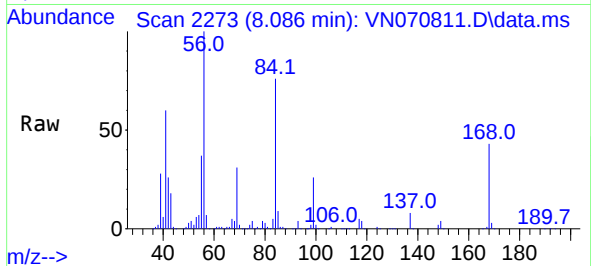




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

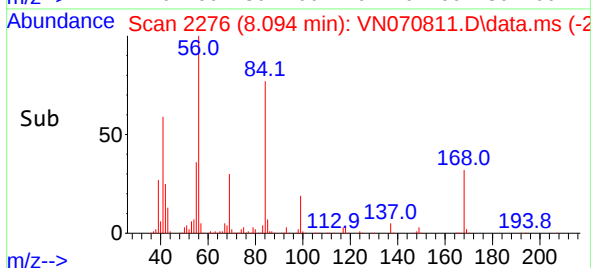
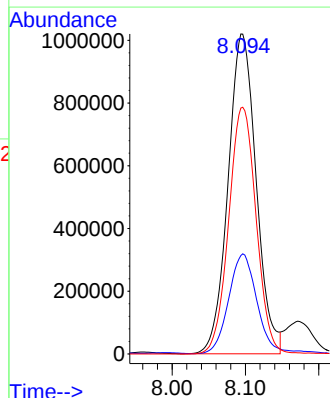
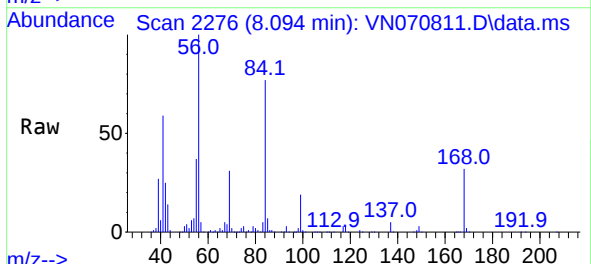
Instrument :
MSVOA_N
ClientSampleId :
MW-3

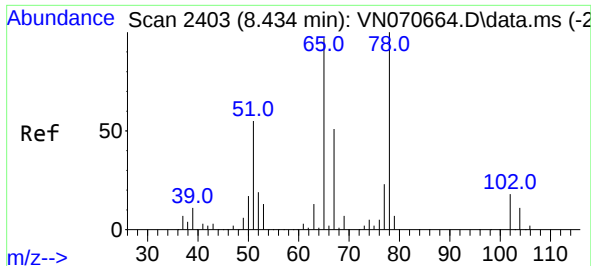
Tgt Ion:168 Resp: 862999
Ion Ratio Lower Upper
168 100
99 61.5 41.3 61.9



#31
Cyclohexane
Concen: 124.856 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 56 Resp: 2719244
Ion Ratio Lower Upper
56 100
69 30.5 27.1 40.7
84 76.9 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 45.857 ug/l

RT: 8.437 min Scan# 2403

Delta R.T. 0.003 min

Lab File: VN070811.D

Acq: 27 Jan 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :

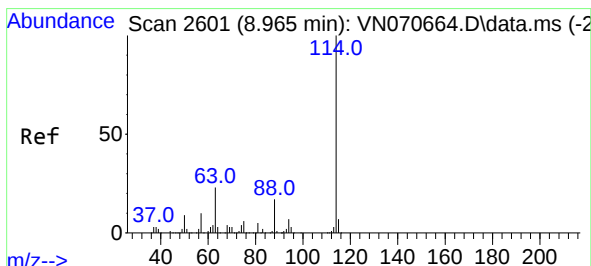
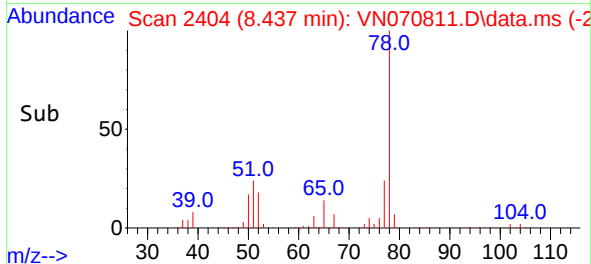
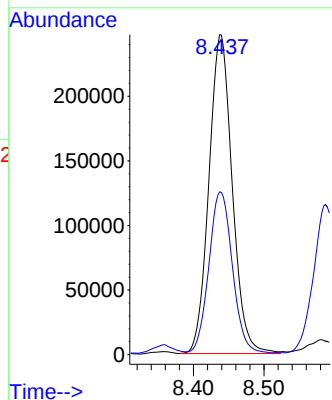
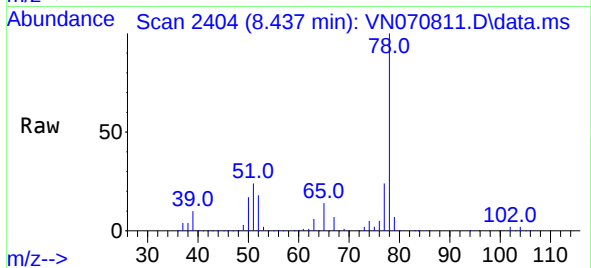
MW-3

Tgt Ion: 65 Resp: 567165

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070811.D

Acq: 27 Jan 2022 17:21

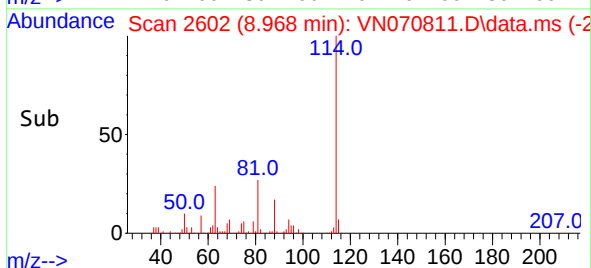
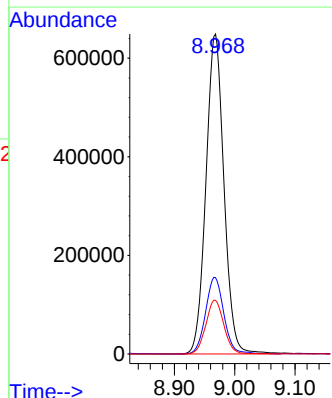
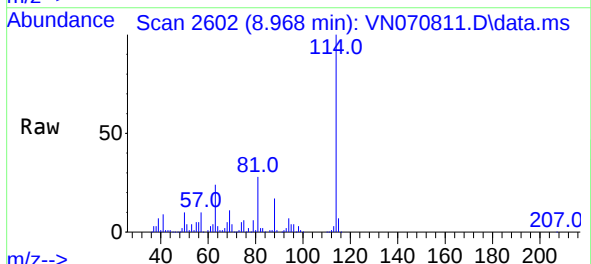
Tgt Ion: 114 Resp: 1347363

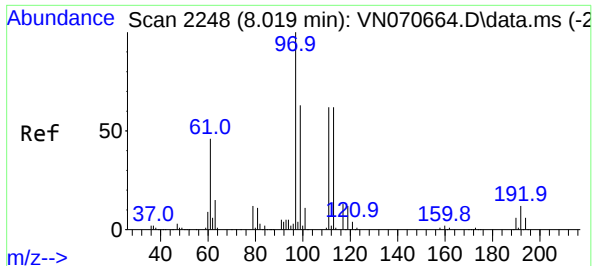
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.8 0.0 27.4

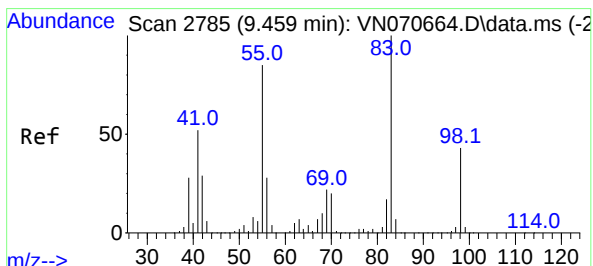
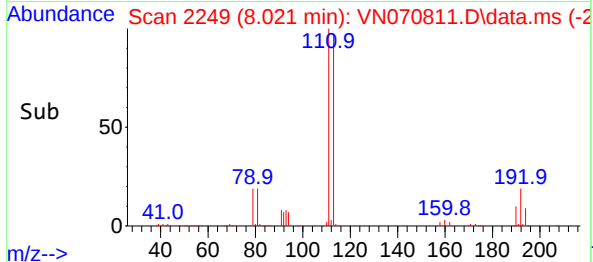
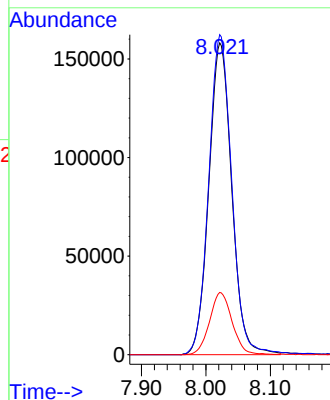
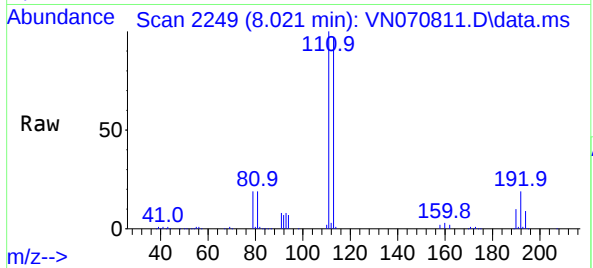




#35
Dibromofluoromethane
Concen: 46.747 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

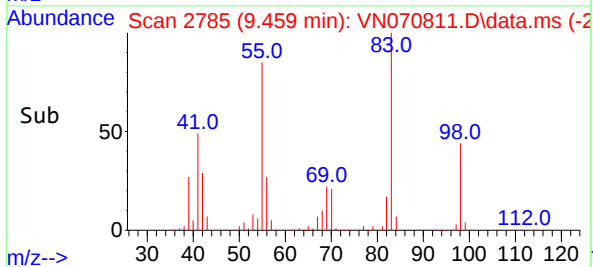
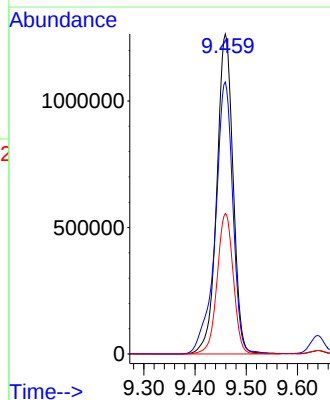
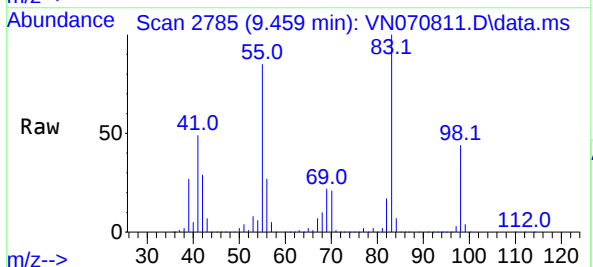
Instrument :
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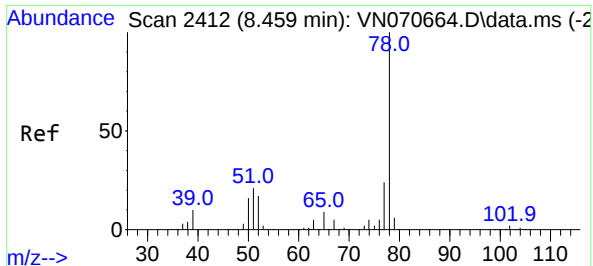
Tgt Ion:113 Resp: 390700
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.7 16.9 25.3



#39
Methylcyclohexane
Concen: 160.793 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 83 Resp: 2792963
Ion Ratio Lower Upper
83 100
55 85.0 58.1 87.1
98 43.9 38.4 57.6

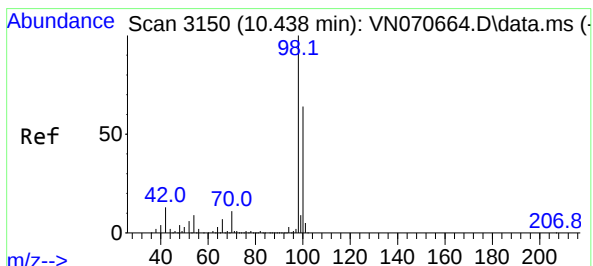
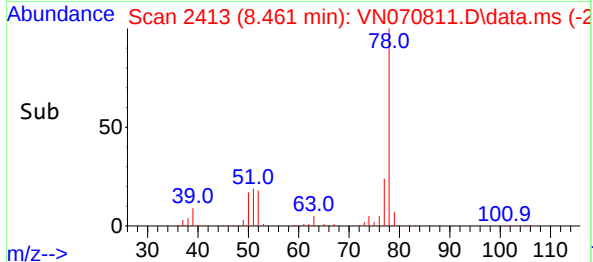
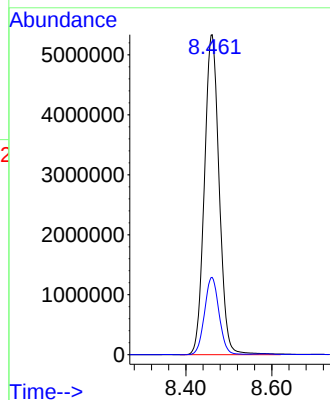
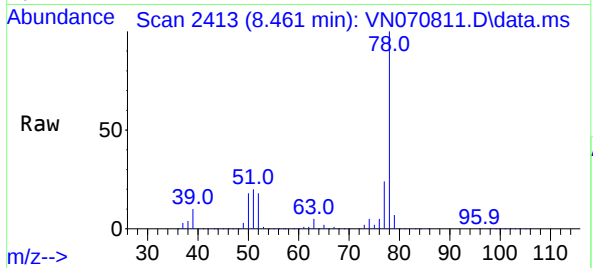




#40
Benzene
Concen: 291.912 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

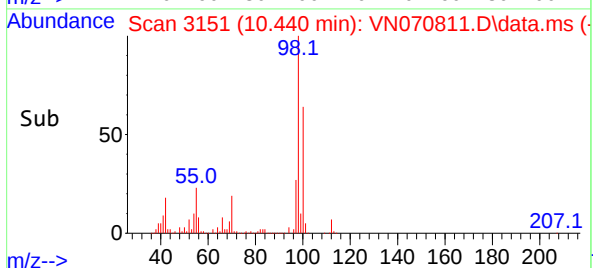
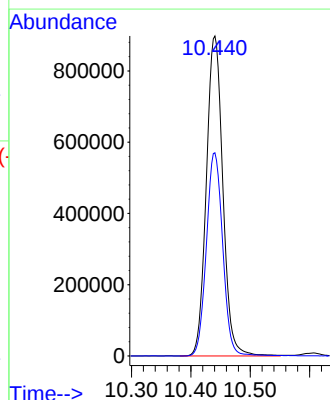
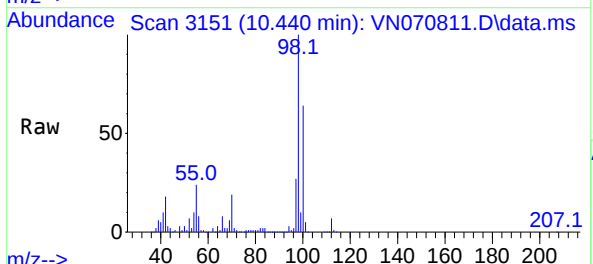
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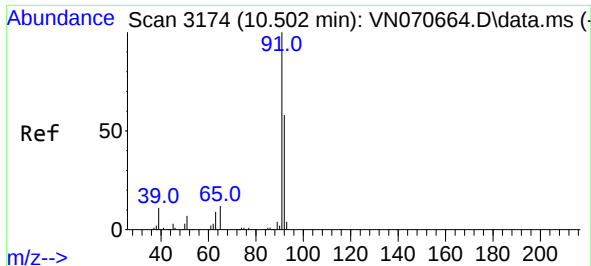
Tgt Ion: 78 Resp:12726425
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8



#50
Toluene-d8
Concen: 49.174 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 98 Resp: 1731357
Ion Ratio Lower Upper
98 100
100 62.7 50.4 75.6

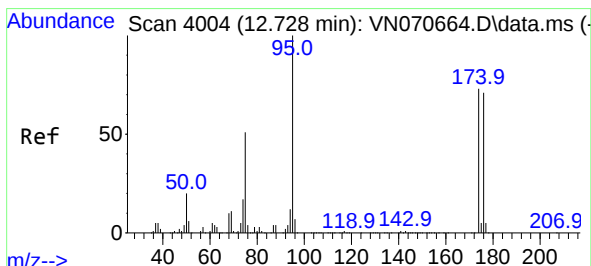
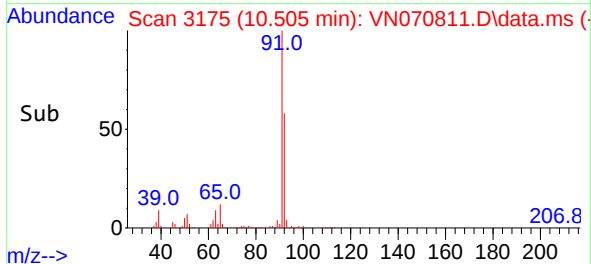
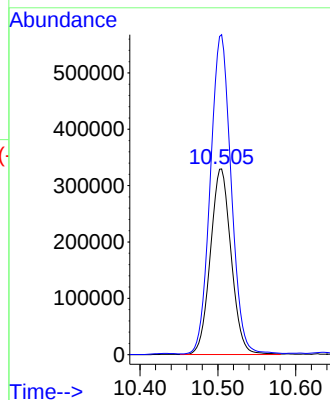
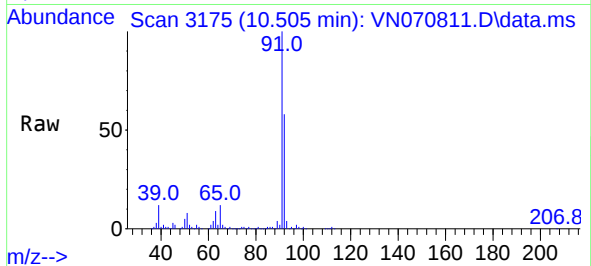




#52
Toluene
Concen: 23.352 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

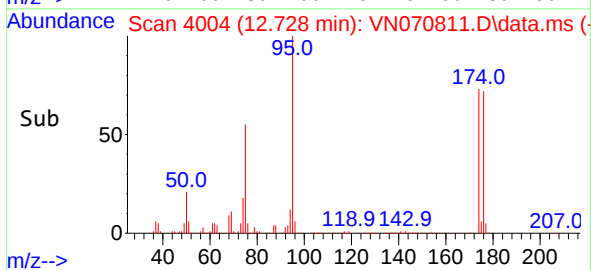
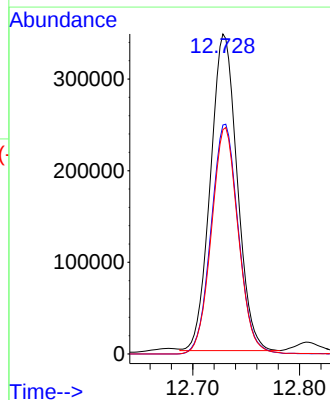
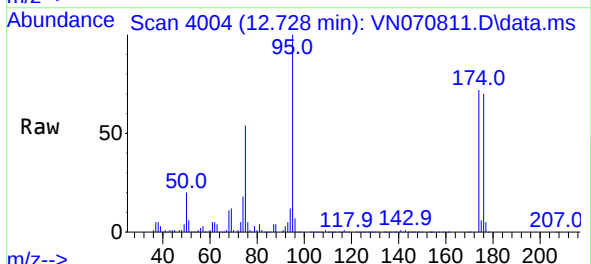
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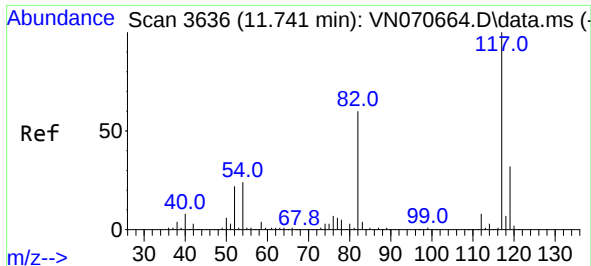
Tgt Ion: 92 Resp: 608971
Ion Ratio Lower Upper
92 100
91 172.7 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 47.946 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 95 Resp: 601554
Ion Ratio Lower Upper
95 100
174 74.0 0.0 187.2
176 71.9 0.0 181.4

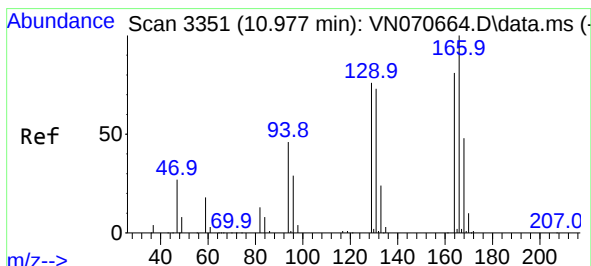
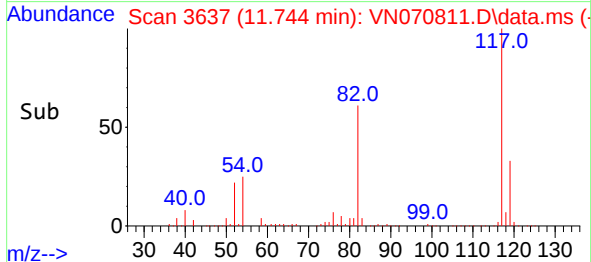
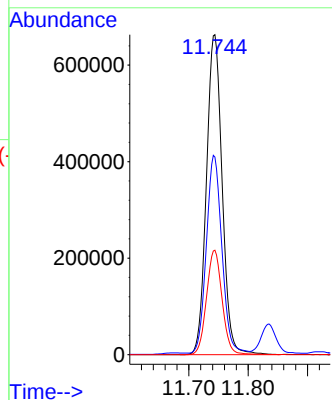
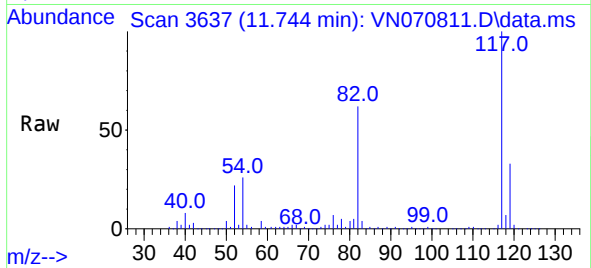




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

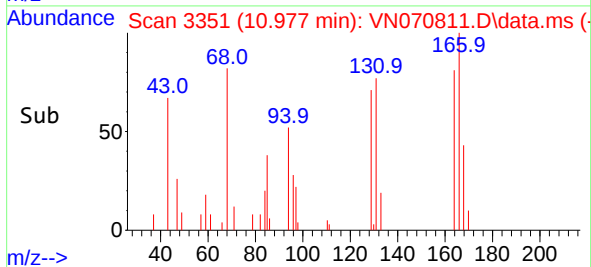
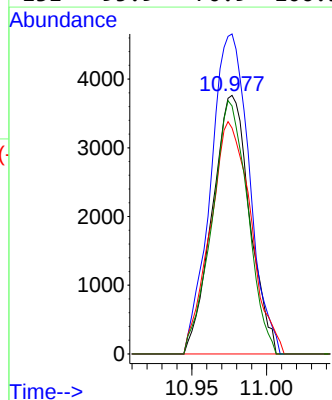
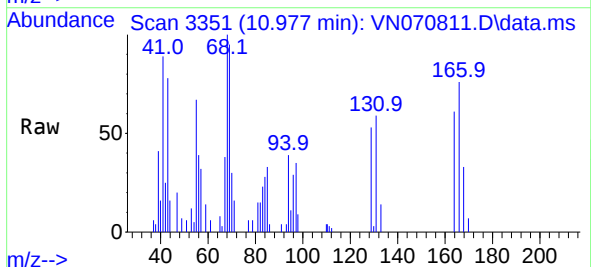
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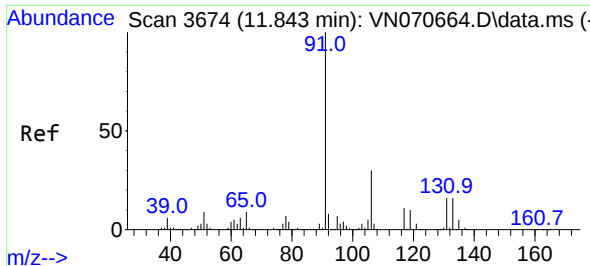
Tgt Ion:117 Resp: 1219314
Ion Ratio Lower Upper
117 100
82 61.2 42.4 63.6
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 0.733 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion:164 Resp: 6553
Ion Ratio Lower Upper
164 100
166 123.8 101.9 152.9
129 87.4 72.0 108.0
131 95.9 70.9 106.3

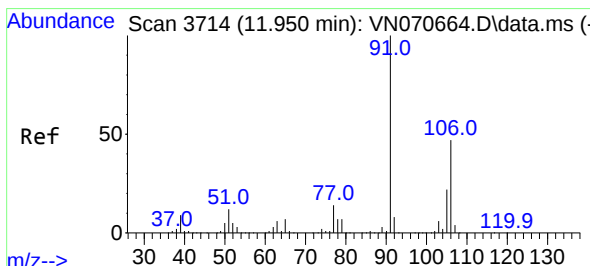
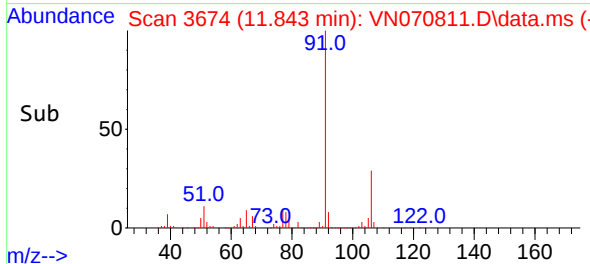
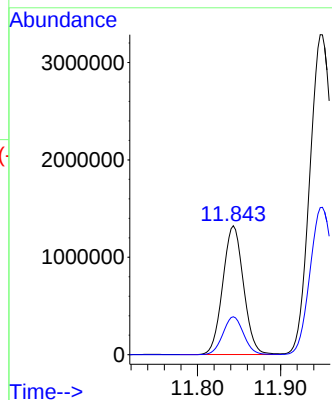
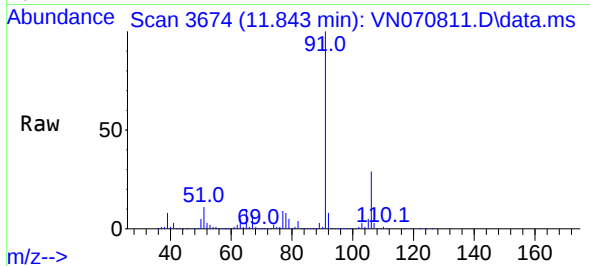




#67
Ethyl Benzene
Concen: 47.057 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

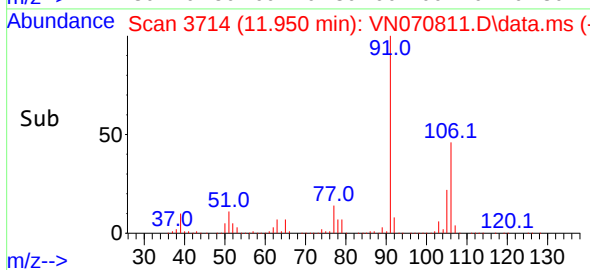
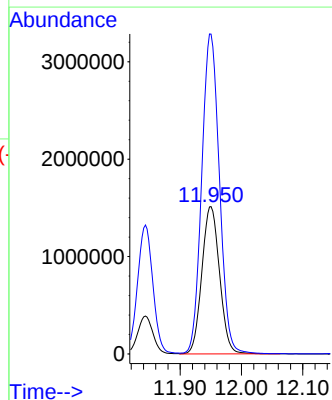
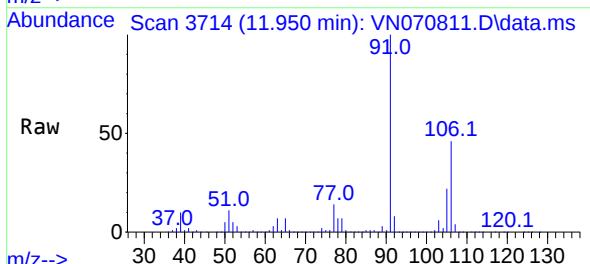
Instrument :
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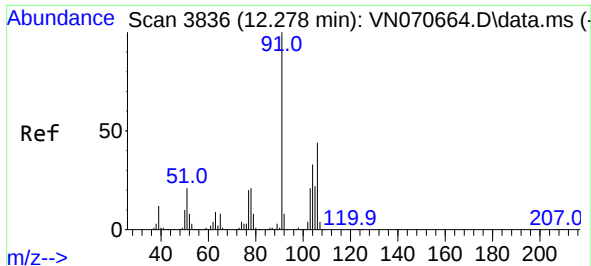
Tgt Ion: 91 Resp: 2304818
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5



#68
m/p-Xylenes
Concen: 170.253 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion:106 Resp: 3033559
Ion Ratio Lower Upper
106 100
91 217.5 160.6 240.8

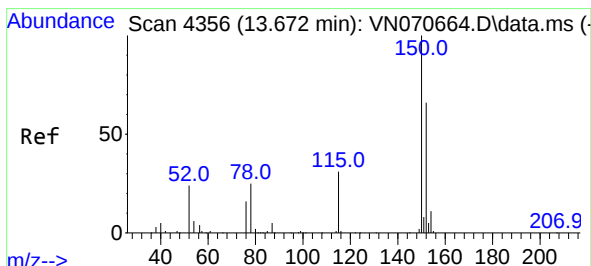
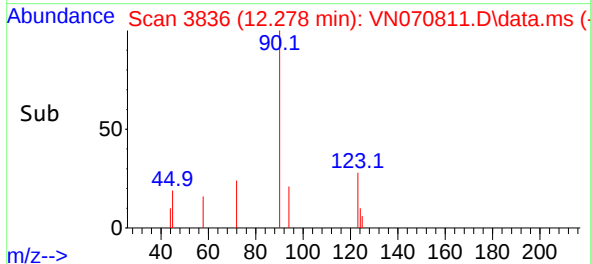
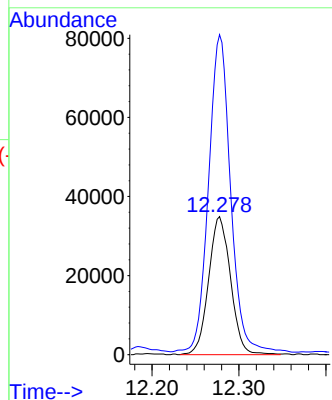
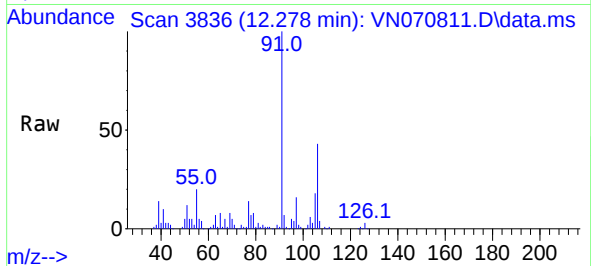




#69
o-Xylene
Concen: 3.473 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

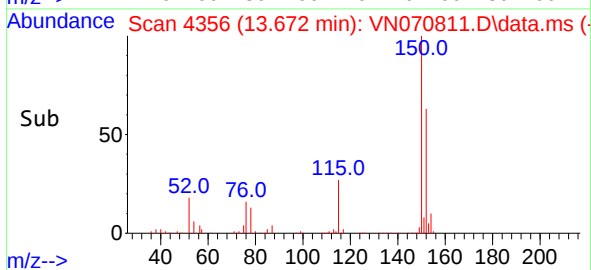
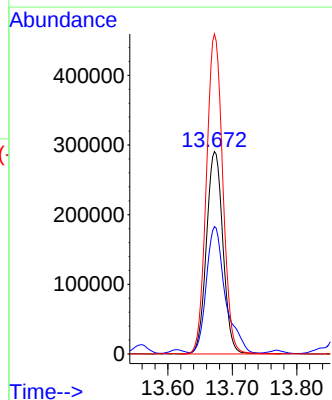
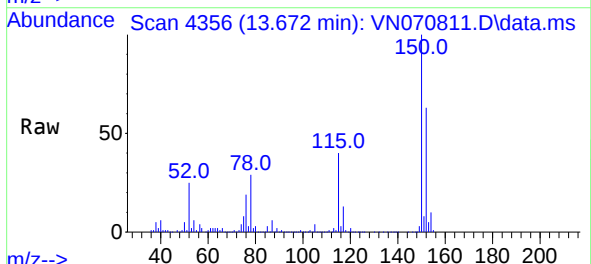
Instrument :
MSVOA_N
ClientSampleId :
MW-3

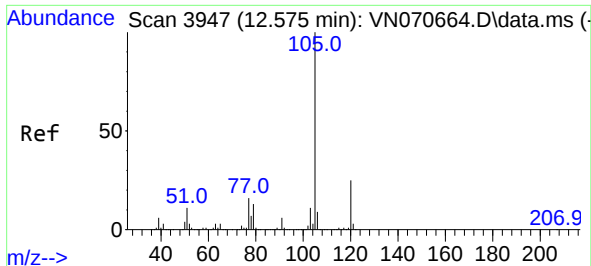
Tgt Ion:106 Resp: 61418
Ion Ratio Lower Upper
106 100
91 229.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion:152 Resp: 516535
Ion Ratio Lower Upper
152 100
115 72.7 27.5 82.5
150 156.5 0.0 344.4

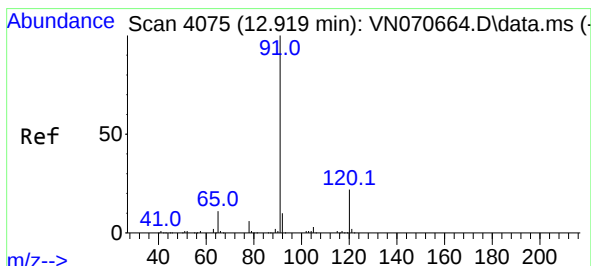
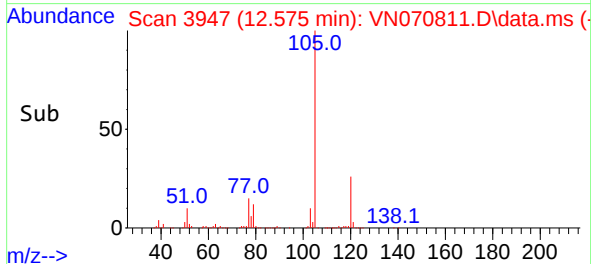
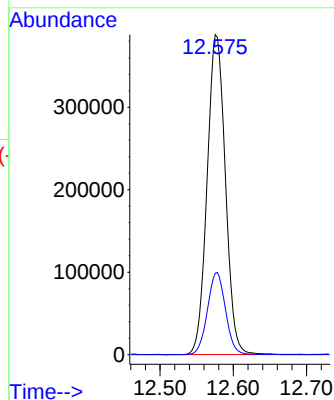
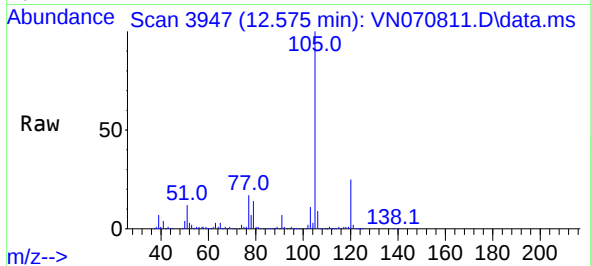




#73
Isopropylbenzene
Concen: 13.720 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

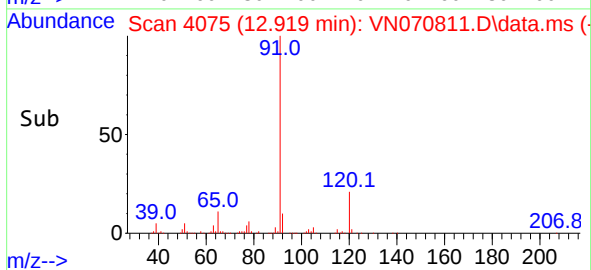
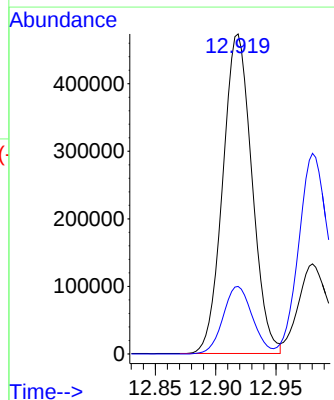
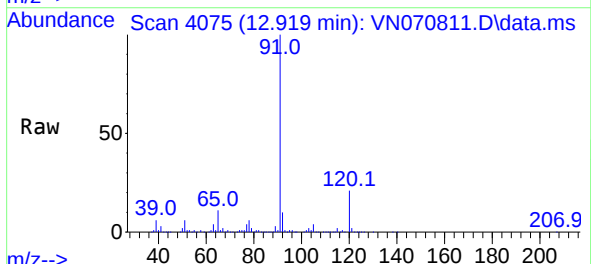
Instrument :
MSVOA_N
ClientSampleId :
MW-3

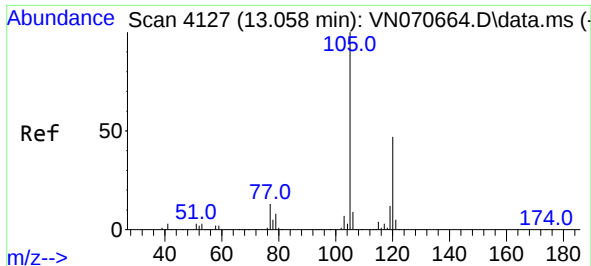
Tgt Ion:105 Resp: 670428
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1



#78
n-propylbenzene
Concen: 14.558 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 91 Resp: 795572
Ion Ratio Lower Upper
91 100
120 21.3 11.9 35.9

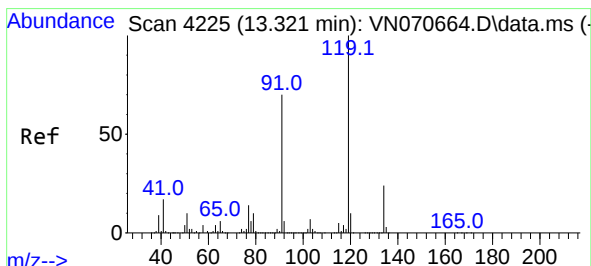
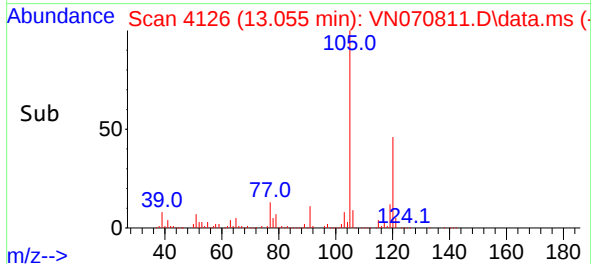
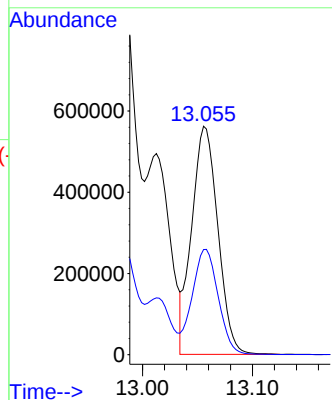
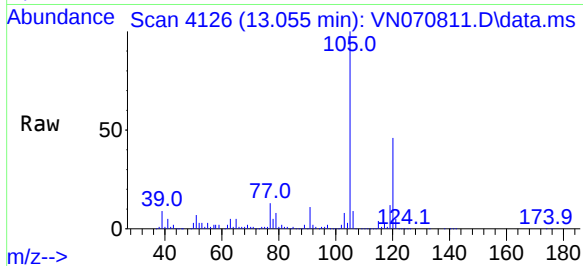




#80
1,3,5-Trimethylbenzene
Concen: 23.465 ug/l
RT: 13.055 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

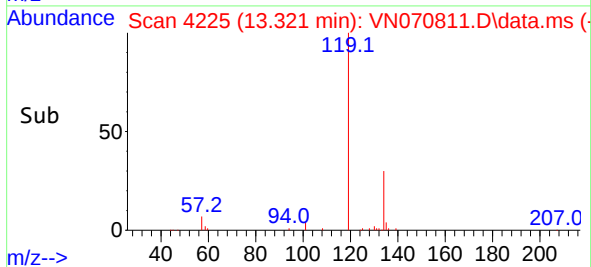
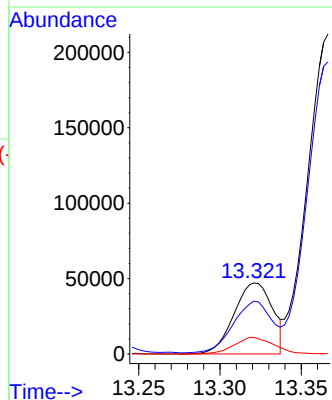
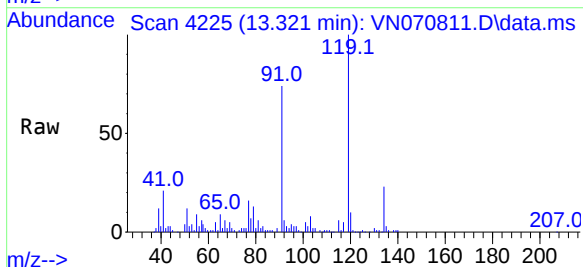
Instrument :
MSVOA_N
ClientSampleId :
MW-3

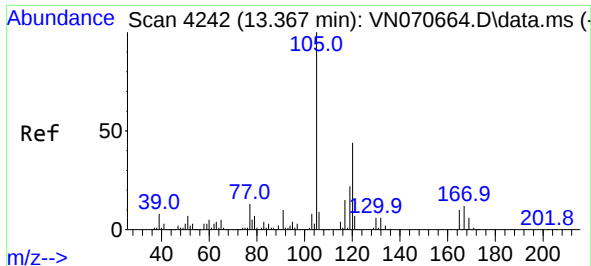
Tgt Ion:105 Resp: 927287
Ion Ratio Lower Upper
105 100
120 46.0 24.6 73.6



#83
tert-Butylbenzene
Concen: 2.261 ug/l
RT: 13.321 min Scan# 4225
Delta R.T. -0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion:119 Resp: 77761
Ion Ratio Lower Upper
119 100
91 72.8 31.5 94.5
134 23.9 12.4 37.4

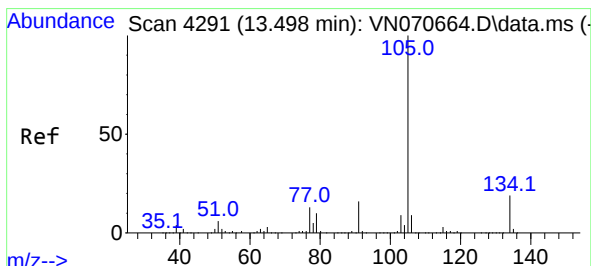
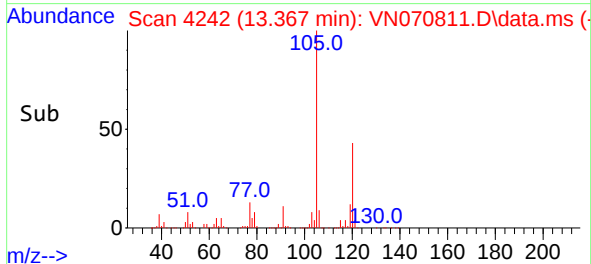
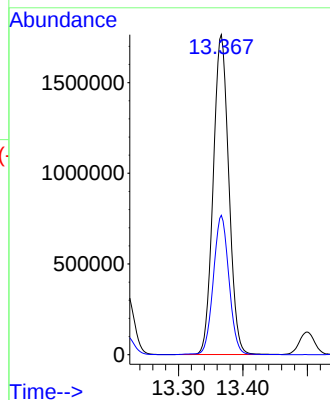
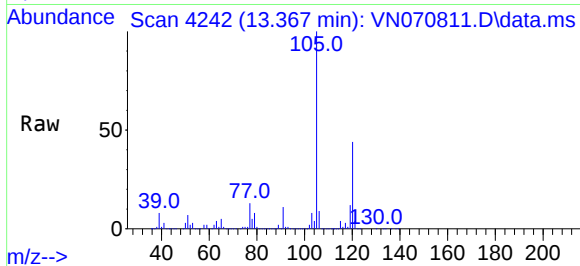




#84
1,2,4-Trimethylbenzene
Concen: 78.045 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. -0.001 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

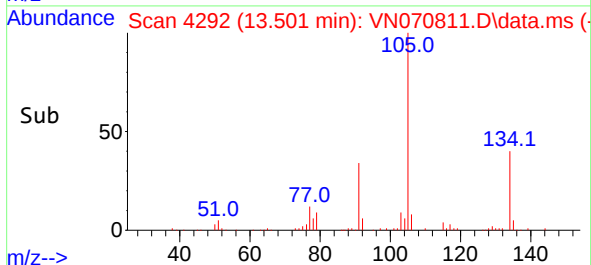
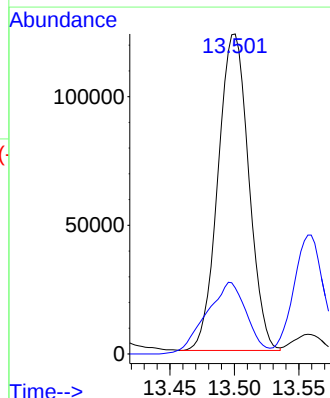
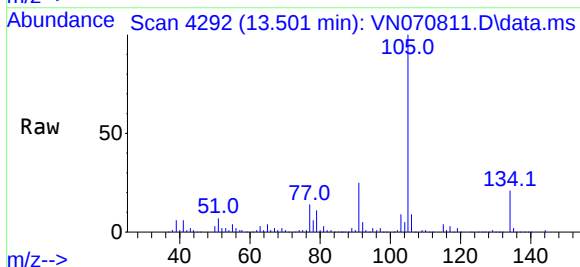
Instrument :
MSVOA_N
ClientSampleId :
MW-3

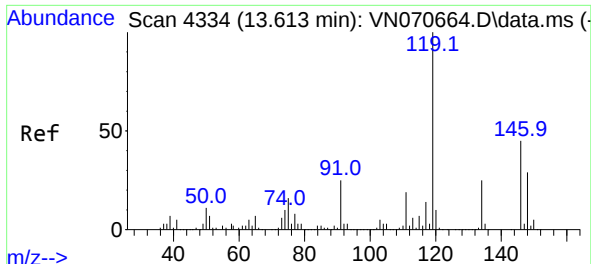
Tgt Ion:105 Resp: 2964558
Ion Ratio Lower Upper
105 100
120 43.6 22.8 68.4



#85
sec-Butylbenzene
Concen: 4.355 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. 0.003 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion:105 Resp: 203663
Ion Ratio Lower Upper
105 100
134 29.7 10.4 31.1

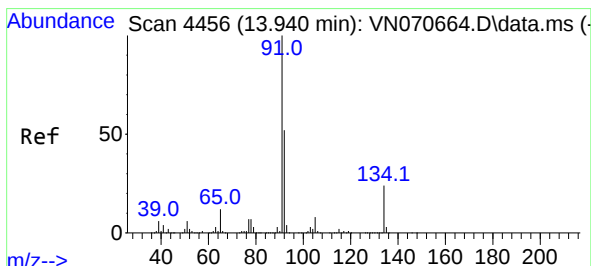
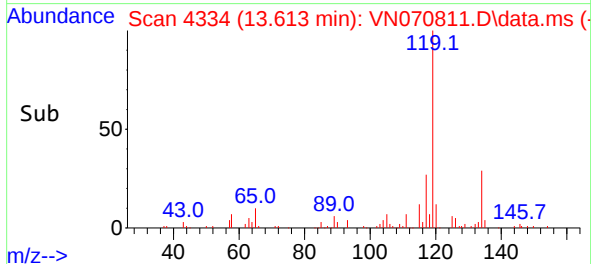
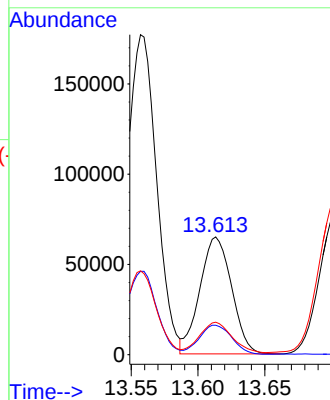
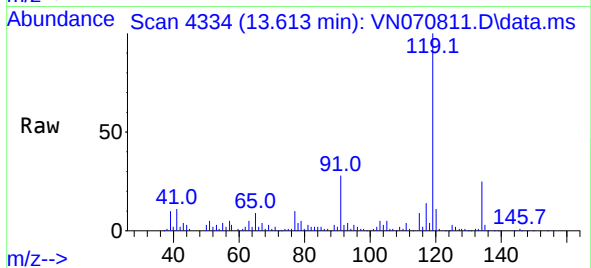




#86
p-Isopropyltoluene
Concen: 2.923 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

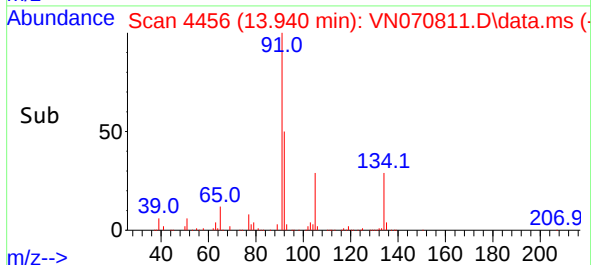
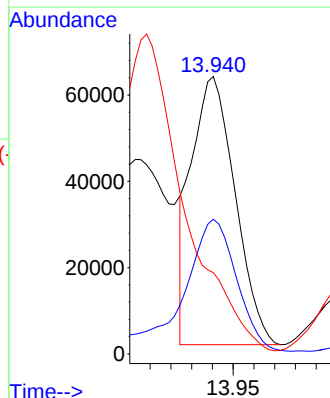
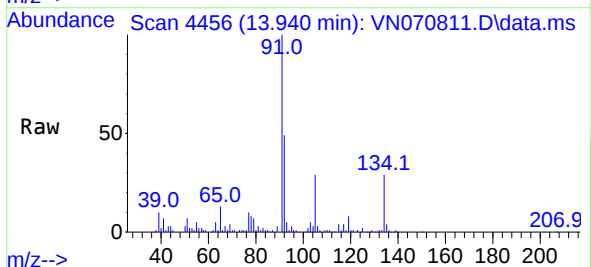
Instrument :
MSVOA_N
ClientSampleId :
MW-3

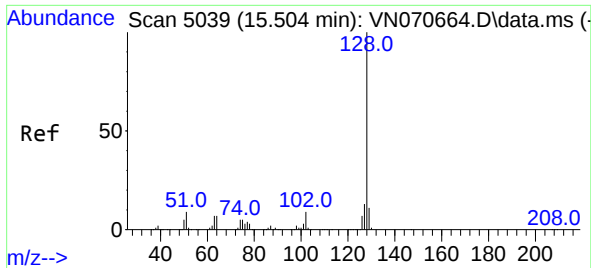
Tgt Ion:119 Resp: 107385
Ion Ratio Lower Upper
119 100
134 25.2 13.6 40.7
91 25.7 11.4 34.1



#89
n-Butylbenzene
Concen: 2.990 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070811.D
Acq: 27 Jan 2022 17:21

Tgt Ion: 91 Resp: 90604
Ion Ratio Lower Upper
91 100
92 56.9 25.4 76.0
134 0.0 13.6 40.8#





#95

Naphthalene

Concen: 24.259 ug/l

RT: 15.501 min Scan# 50

Delta R.T. -0.003 min

Lab File: VN070811.D

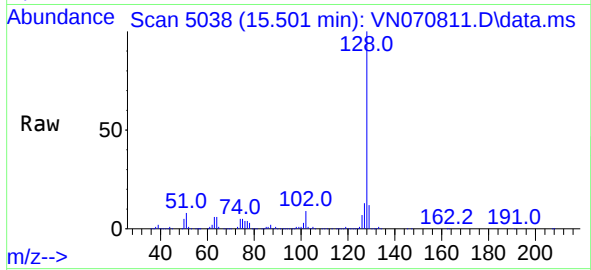
Acq: 27 Jan 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :

MW-3



Tgt Ion:128 Resp: 574037

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.8 8.7 13.1

