

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070266.D
 Acq On : 21 Dec 2021 14:36
 Operator : JC/MD
 Sample : M5039-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15DL

Quant Time: Dec 21 20:10:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	886408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1486552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1283941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	500316	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	748781	54.711	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.420%
35) Dibromofluoromethane	8.021	113	494670	53.125	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.240%
50) Toluene-d8	10.440	98	1909639	51.076	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.731	95	662723	48.927	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.860%

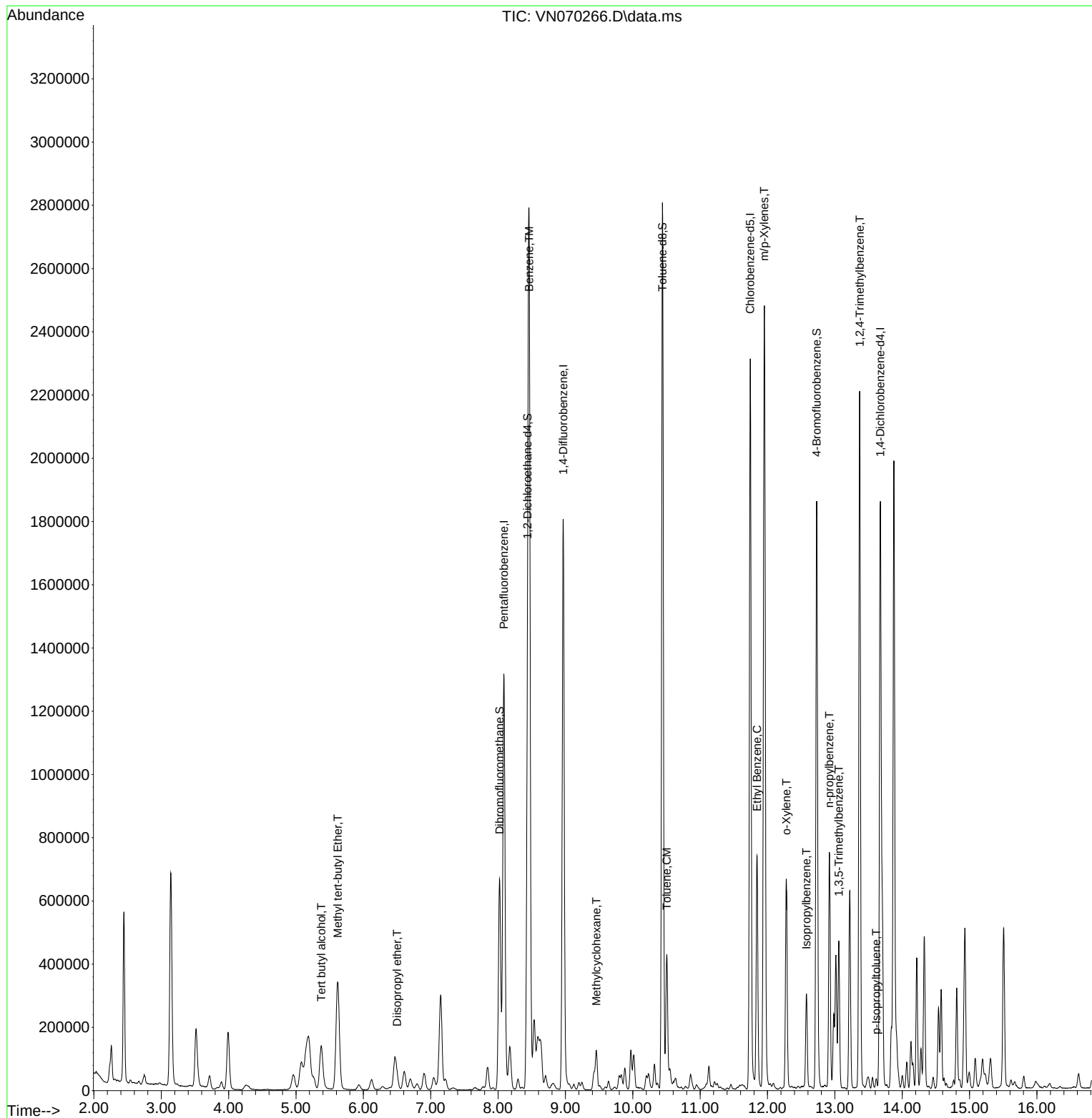
Target Compounds						Qvalue
11) Tert butyl alcohol	5.377	59	248469	96.045	ug/l #	85
19) Methyl tert-butyl Ether	5.621	73	416887	12.698	ug/l #	56
22) Diisopropyl ether	6.500	45	49061	1.319	ug/l #	85
39) Methylcyclohexane	9.459	83	46818	2.781	ug/l	88
40) Benzene	8.461	78	2481149	57.360	ug/l	98
52) Toluene	10.505	92	177026	6.703	ug/l	98
67) Ethyl Benzene	11.843	91	534160	11.290	ug/l	97
68) m/p-Xylenes	11.953	106	799658	46.417	ug/l	93
69) o-Xylene	12.280	106	179990	10.372	ug/l	88
73) Isopropylbenzene	12.578	105	199046	4.472	ug/l	98
78) n-propylbenzene	12.918	91	607177	12.258	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	247466	6.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	1293809	37.918	ug/l	98
86) p-Isopropyltoluene	13.613	119	15389	0.458	ug/l #	75

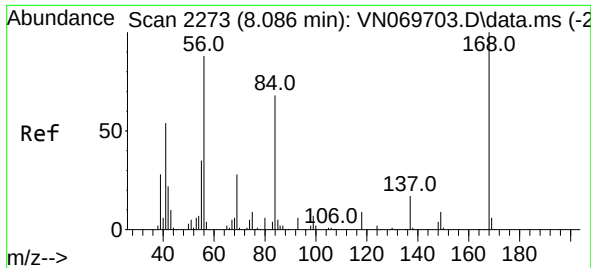
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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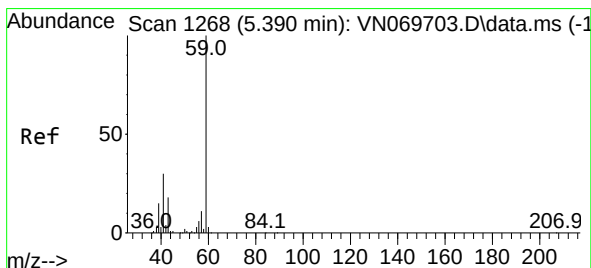
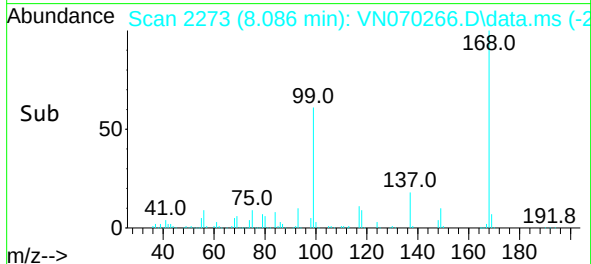
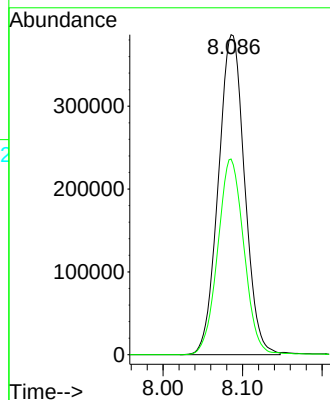
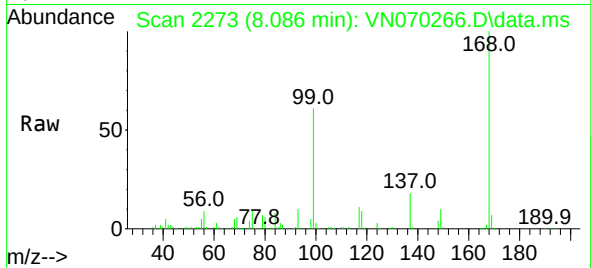




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

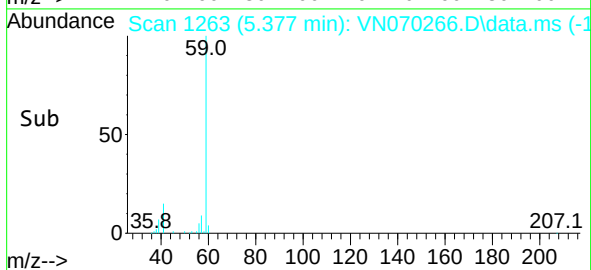
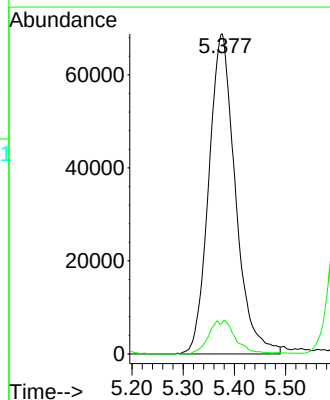
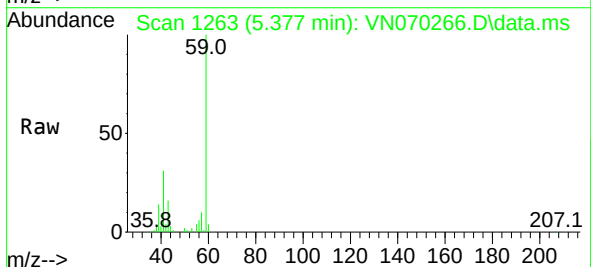
Instrument :
MSVOA_N
ClientSampleId :
MW-15DL

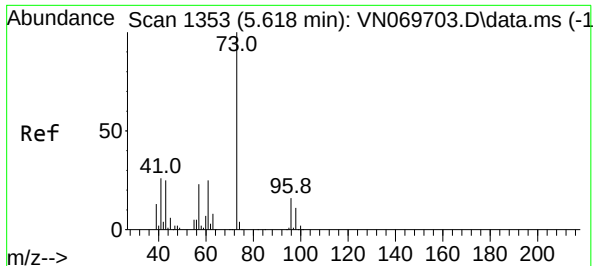
Tgt Ion:168 Resp: 886408
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#11
Tert butyl alcohol
Concen: 96.045 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion: 59 Resp: 248469
Ion Ratio Lower Upper
59 100
57 5.0 8.7 13.1#





#19

Methyl tert-butyl Ether

Concen: 12.698 ug/l

RT: 5.621 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN070266.D

Acq: 21 Dec 2021 14:36

Instrument :

MSVOA_N

ClientSampleId :

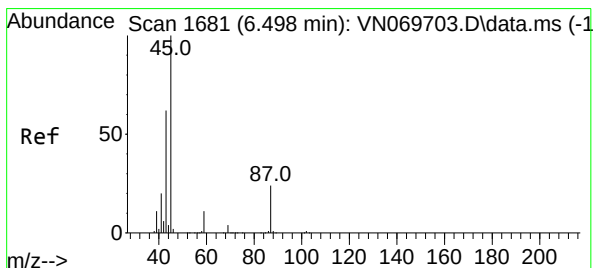
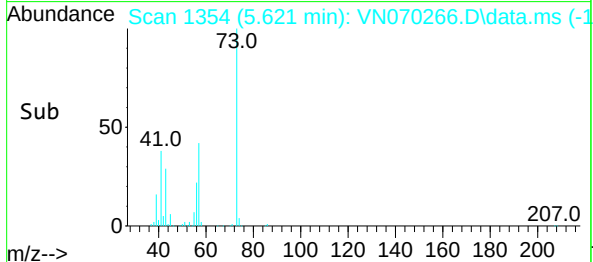
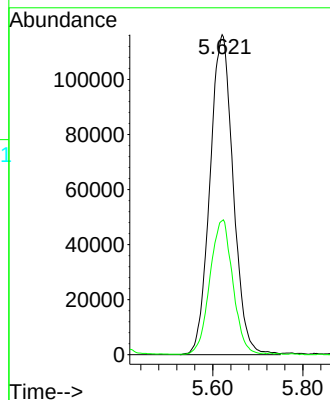
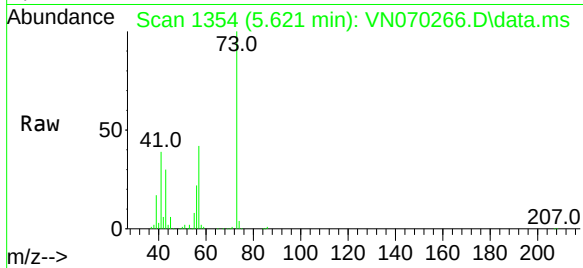
MW-15DL

Tgt Ion: 73 Resp: 416887

Ion Ratio Lower Upper

73 100

57 41.7 16.8 25.2#



#22

Diisopropyl ether

Concen: 1.319 ug/l

RT: 6.500 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN070266.D

Acq: 21 Dec 2021 14:36

Tgt Ion: 45 Resp: 49061

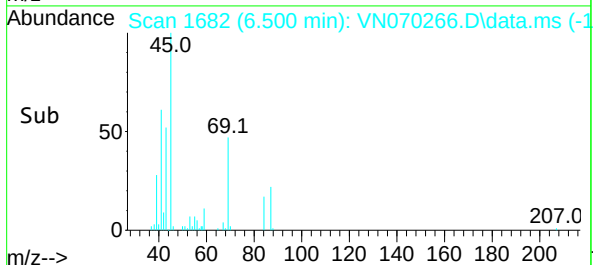
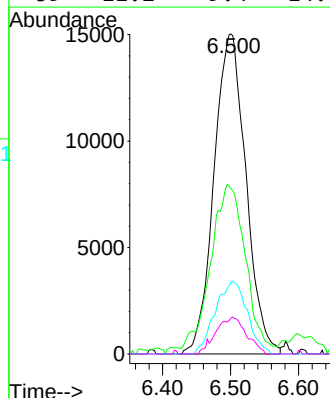
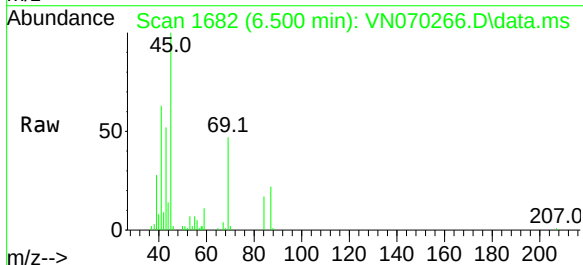
Ion Ratio Lower Upper

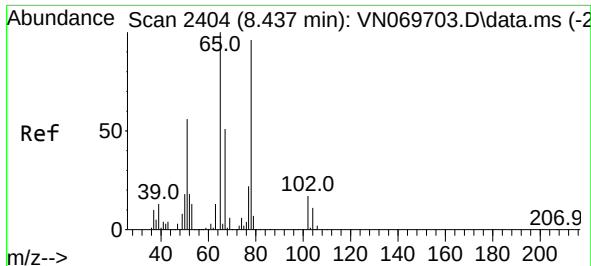
45 100

43 49.9 51.7 77.5#

87 22.5 23.2 34.8#

59 11.2 9.4 14.0





#33

1,2-Dichloroethane-d4

Concen: 54.711 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN070266.D

Acq: 21 Dec 2021 14:36

Instrument :

MSVOA_N

ClientSampleId :

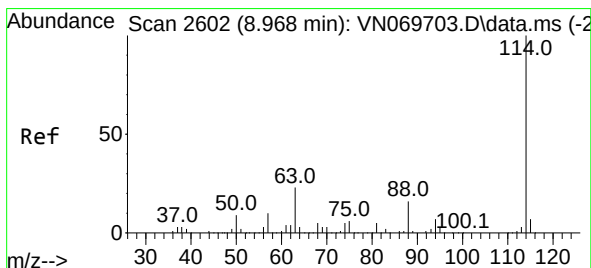
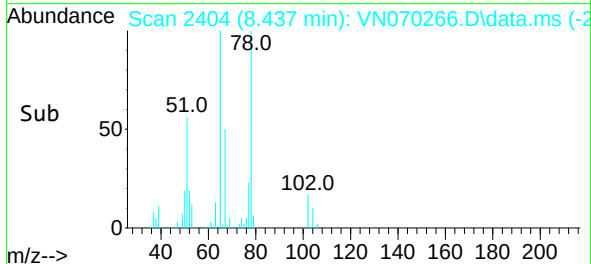
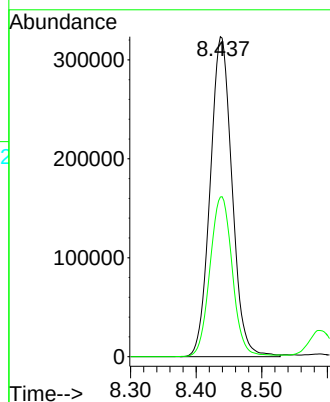
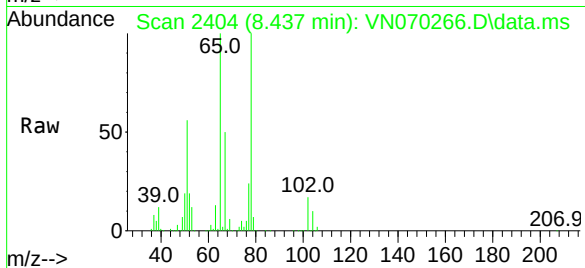
MW-15DL

Tgt Ion: 65 Resp: 748781

Ion Ratio Lower Upper

65 100

67 51.2 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: VN070266.D

Acq: 21 Dec 2021 14:36

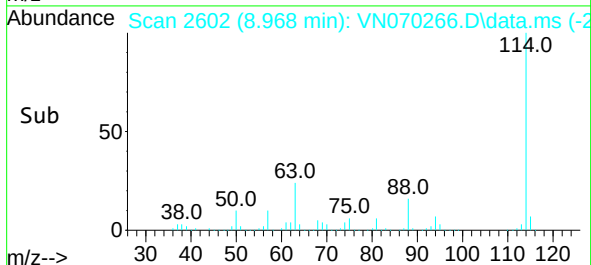
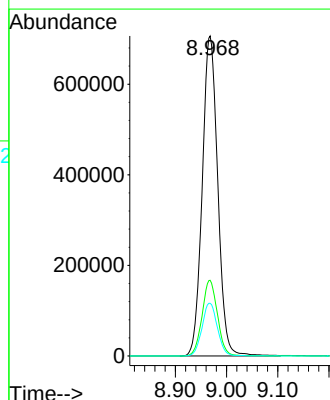
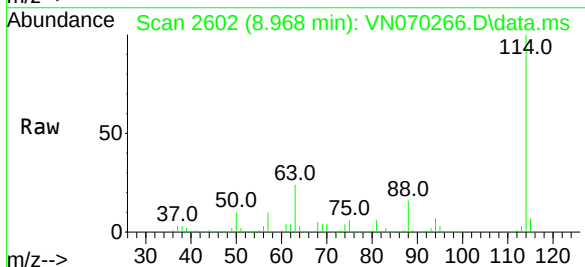
Tgt Ion: 114 Resp: 1486552

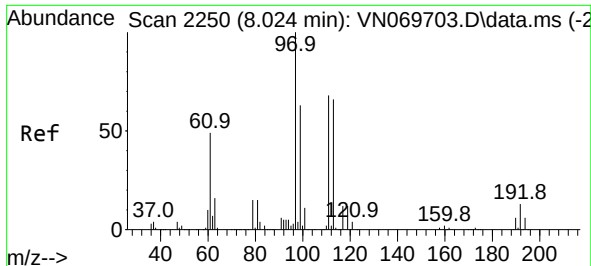
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.5 0.0 27.4

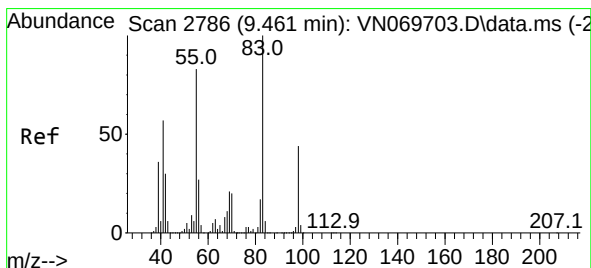
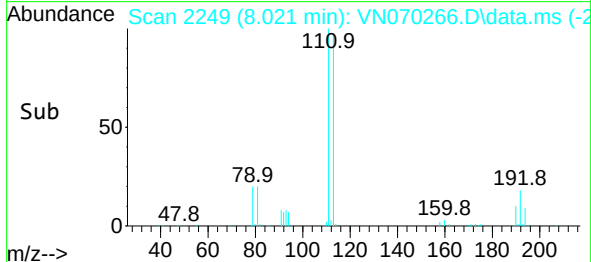
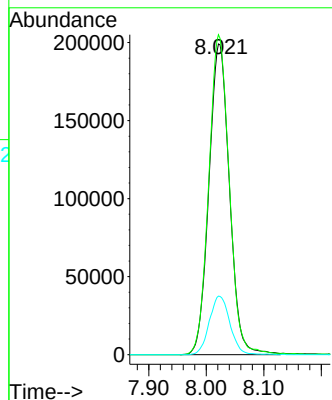
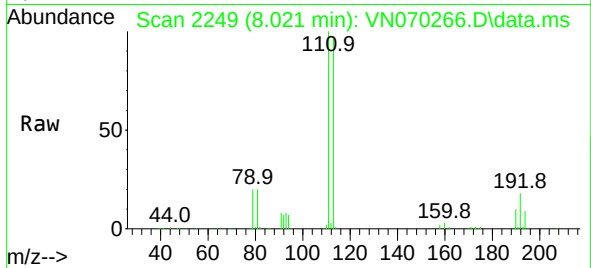




#35
 Dibromofluoromethane
 Concen: 53.125 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VN070266.D
 Acq: 21 Dec 2021 14:36

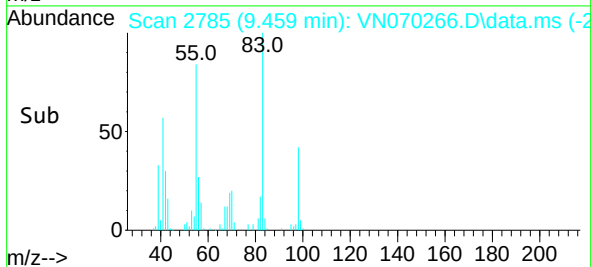
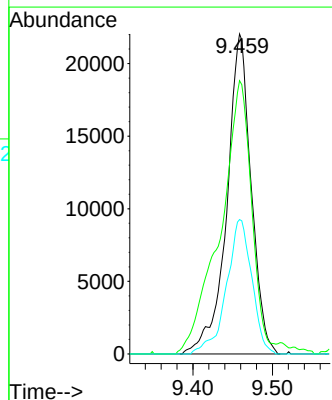
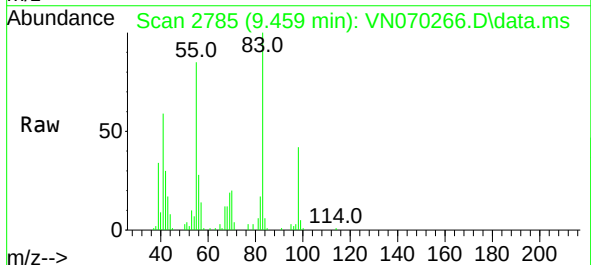
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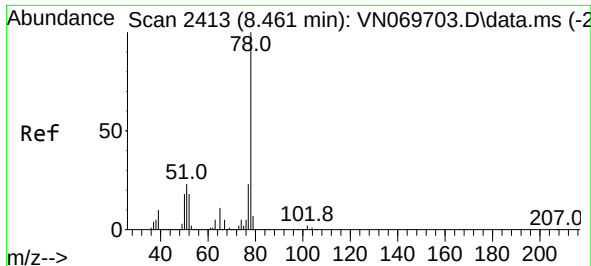
Tgt Ion:113 Resp: 494670
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.2
 192 18.8 16.9 25.3



#39
 Methylcyclohexane
 Concen: 2.781 ug/l
 RT: 9.459 min Scan# 2785
 Delta R.T. -0.003 min
 Lab File: VN070266.D
 Acq: 21 Dec 2021 14:36

Tgt Ion: 83 Resp: 46818
 Ion Ratio Lower Upper
 83 100
 55 84.2 58.1 87.1
 98 42.0 38.4 57.6

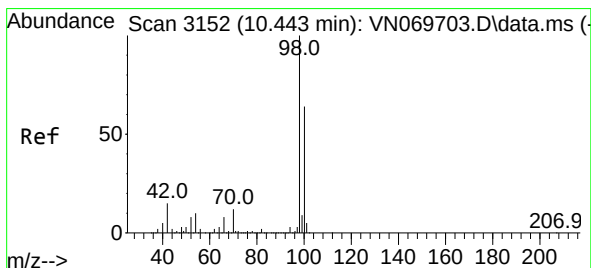
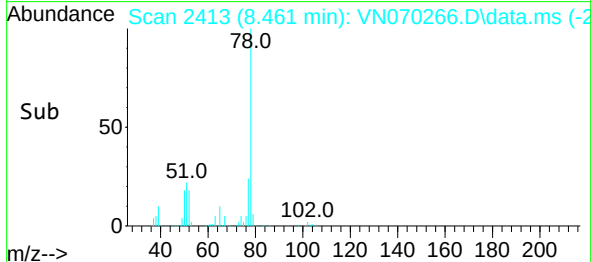
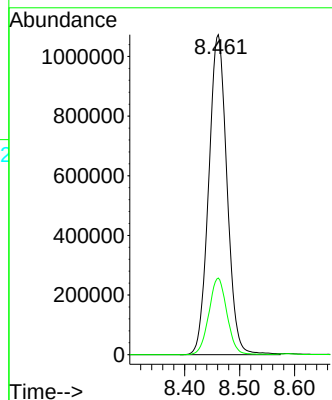
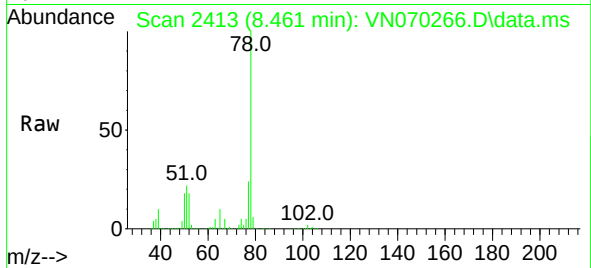




#40
Benzene
Concen: 57.360 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

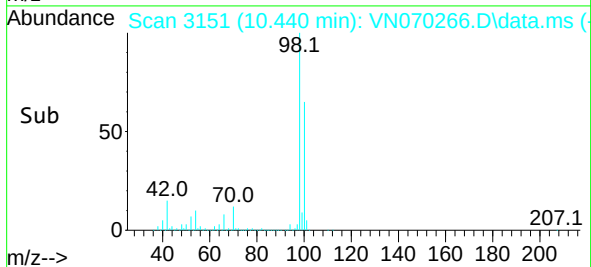
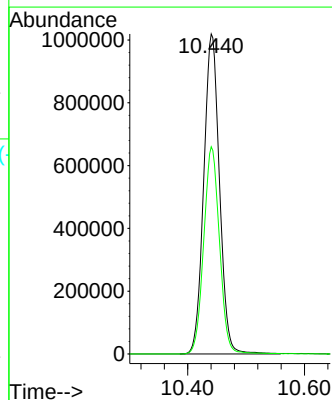
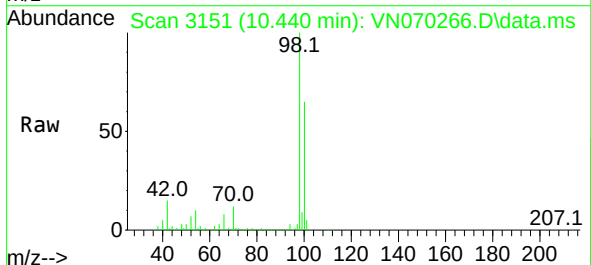
Instrument :
MSVOA_N
ClientSampleId :
MW-15DL

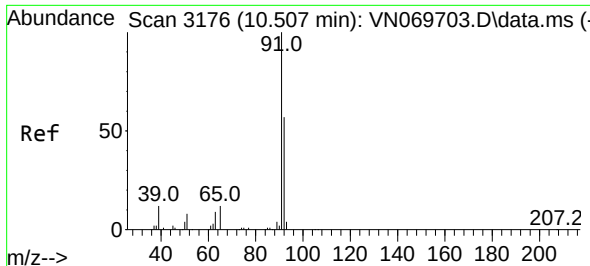
Tgt Ion: 78 Resp: 2481149
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8



#50
Toluene-d8
Concen: 51.076 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion: 98 Resp: 1909639
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

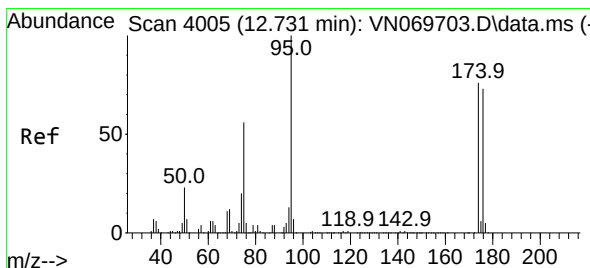
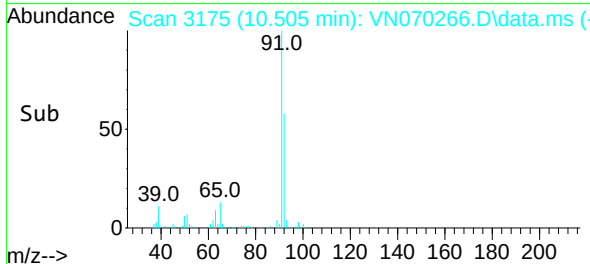
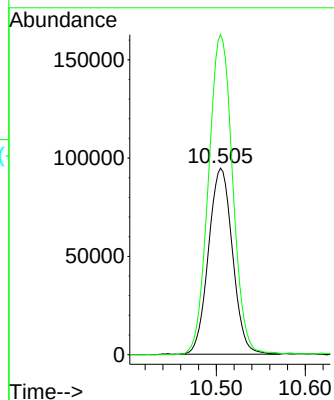
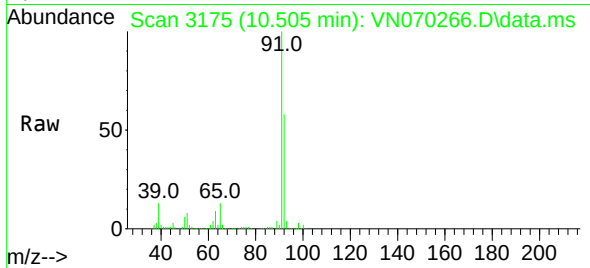




#52
Toluene
Concen: 6.703 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

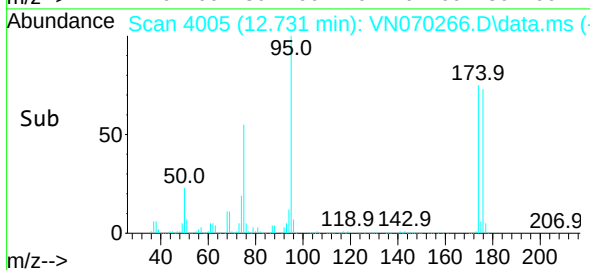
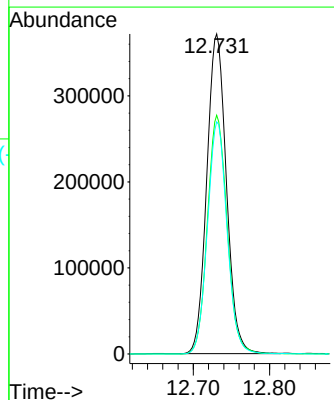
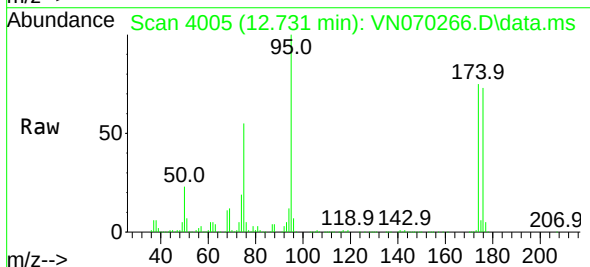
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MSVOA_N
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MW-15DL

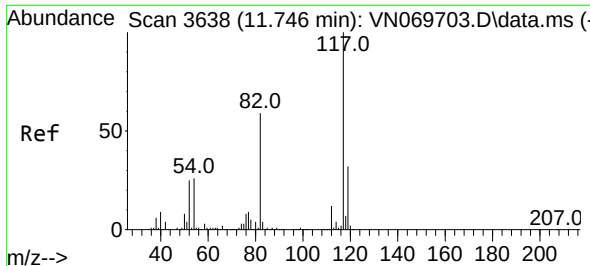
Tgt Ion: 92 Resp: 177026
Ion Ratio Lower Upper
92 100
91 174.4 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 48.927 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion: 95 Resp: 662723
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.7 0.0 181.4

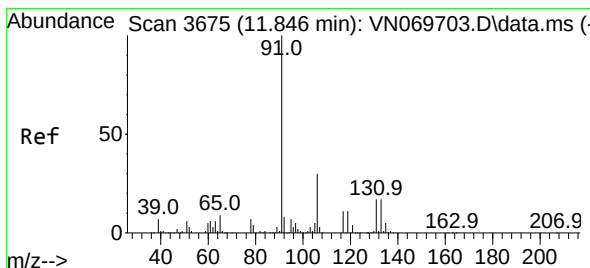
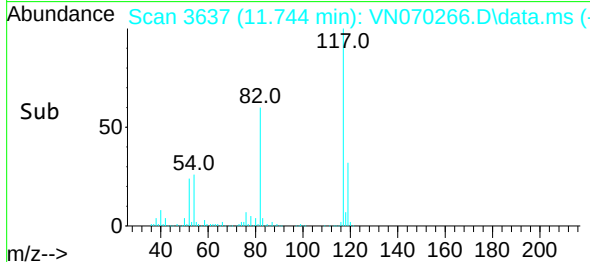
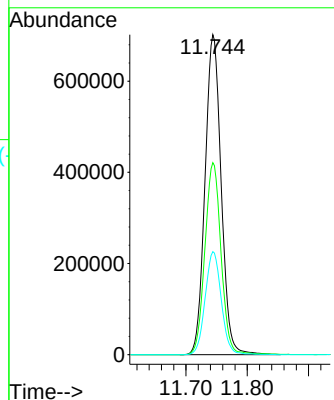
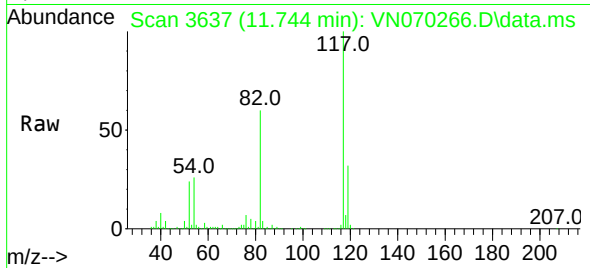




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

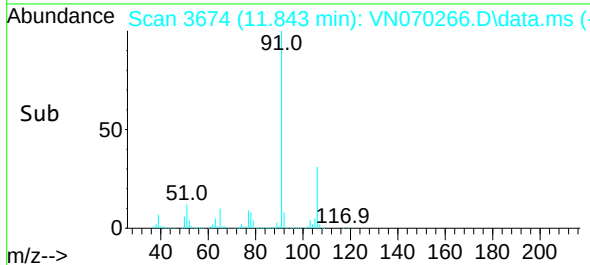
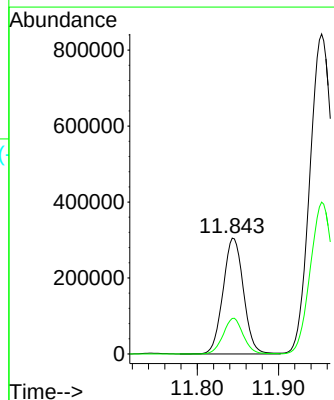
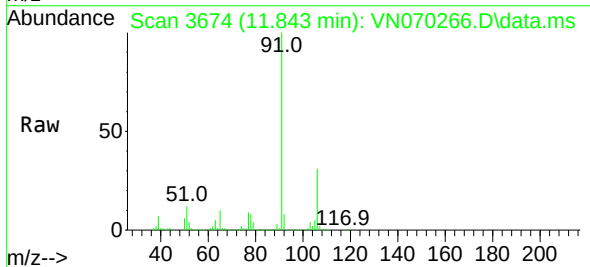
Instrument :
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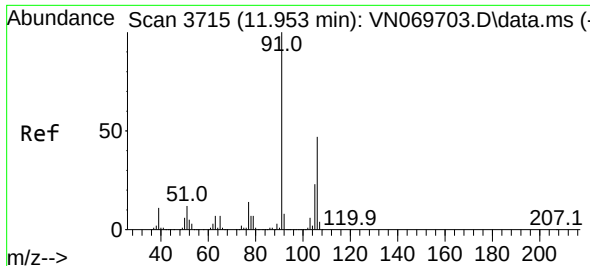
Tgt Ion:117 Resp: 1283941
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.2 25.4 38.2



#67
Ethyl Benzene
Concen: 11.290 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion: 91 Resp: 534160
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

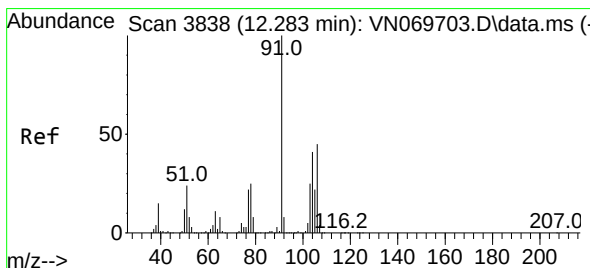
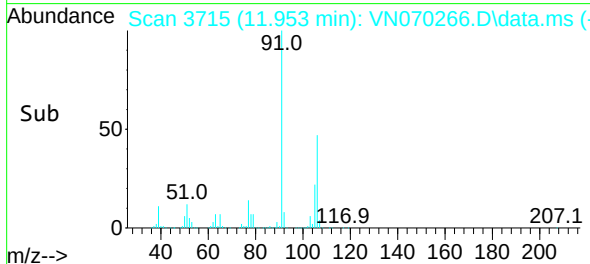
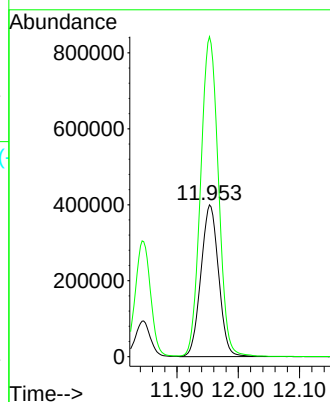
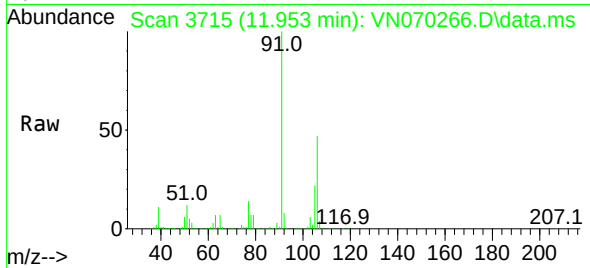




#68
m/p-Xylenes
Concen: 46.417 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

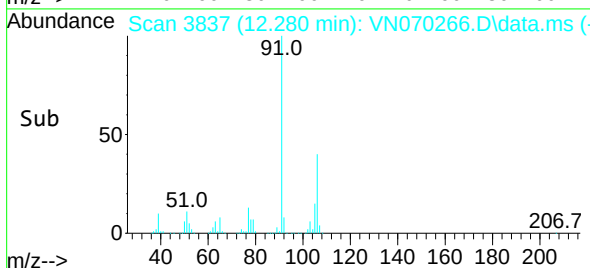
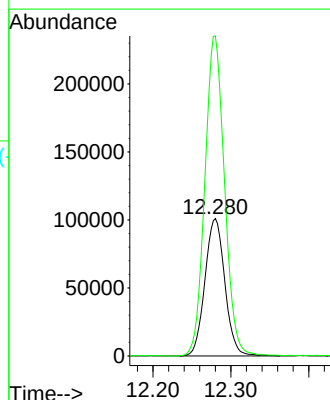
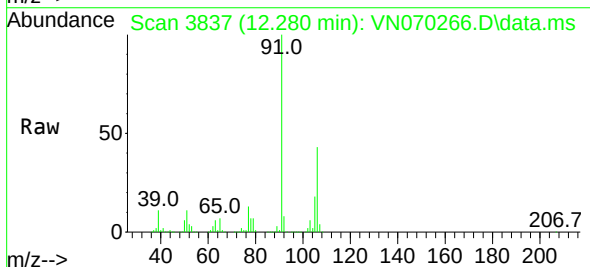
Instrument :
MSVOA_N
ClientSampleId :
MW-15DL

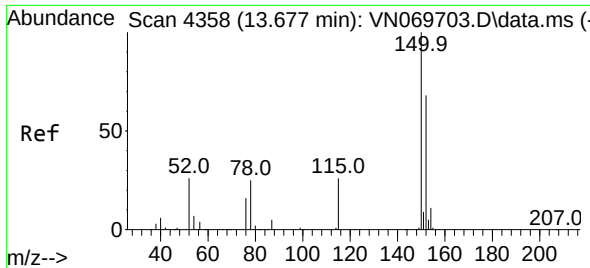
Tgt Ion:106 Resp: 799658
Ion Ratio Lower Upper
106 100
91 211.8 160.6 240.8



#69
o-Xylene
Concen: 10.372 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion:106 Resp: 179990
Ion Ratio Lower Upper
106 100
91 230.4 105.8 317.3

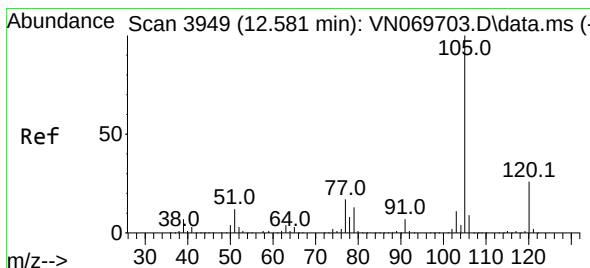
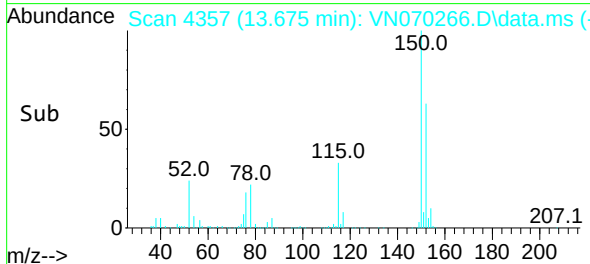
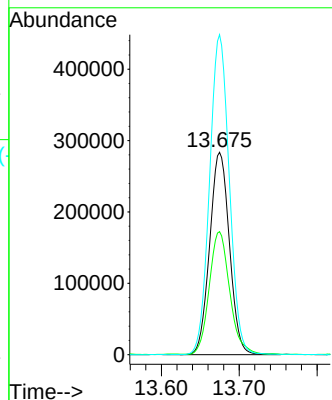
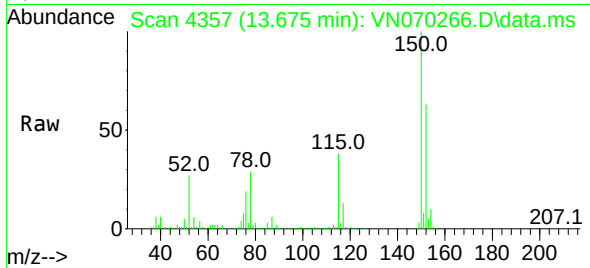




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070266.D
 Acq: 21 Dec 2021 14:36

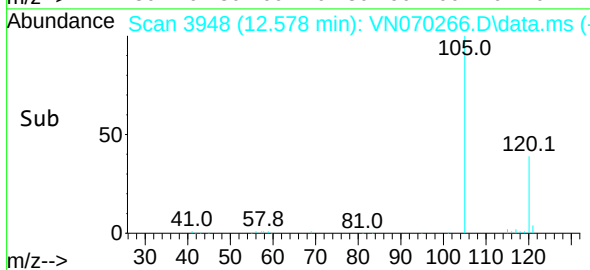
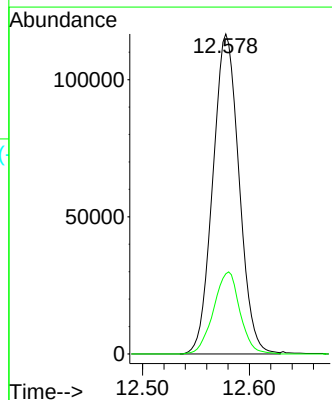
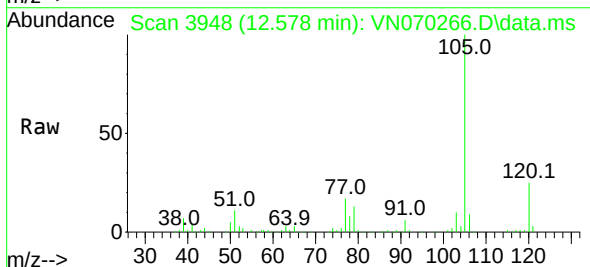
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15DL

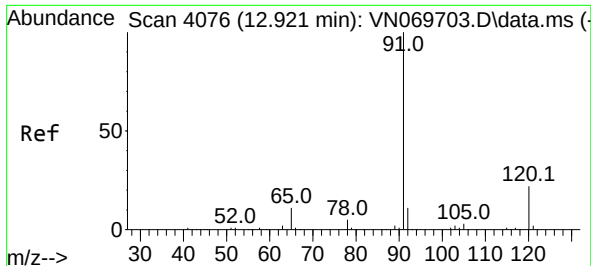
Tgt Ion:152 Resp: 500316
 Ion Ratio Lower Upper
 152 100
 115 62.5 27.5 82.5
 150 157.1 0.0 344.4



#73
 Isopropylbenzene
 Concen: 4.472 ug/l
 RT: 12.578 min Scan# 3948
 Delta R.T. -0.003 min
 Lab File: VN070266.D
 Acq: 21 Dec 2021 14:36

Tgt Ion:105 Resp: 199046
 Ion Ratio Lower Upper
 105 100
 120 25.8 13.4 40.1

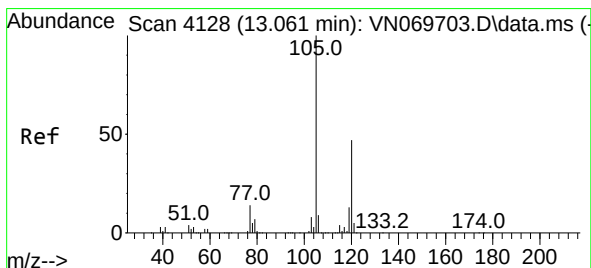
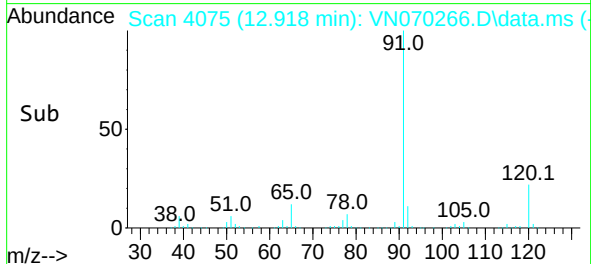
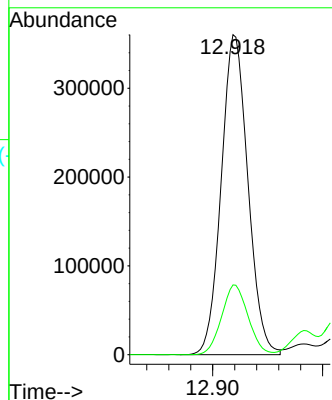
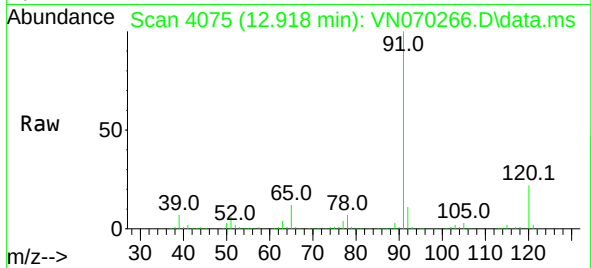




#78
n-propylbenzene
Concen: 12.258 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

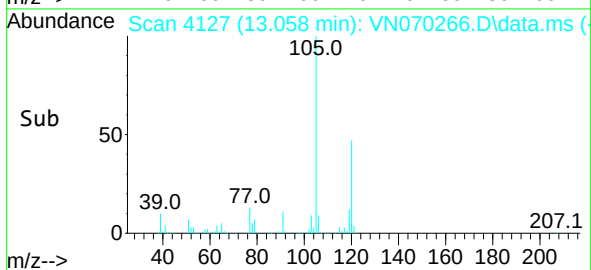
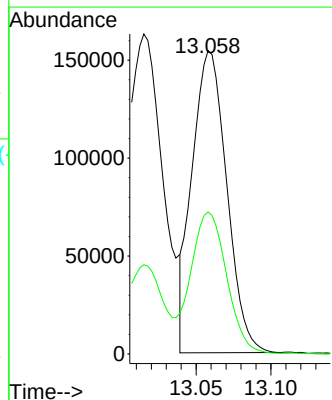
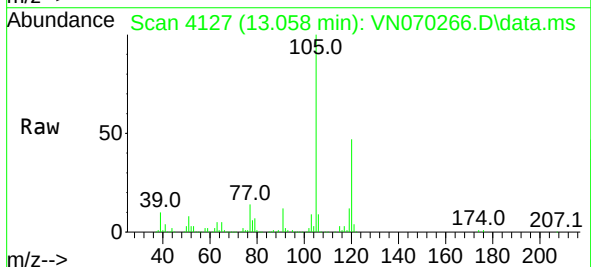
Instrument :
MSVOA_N
ClientSampleId :
MW-15DL

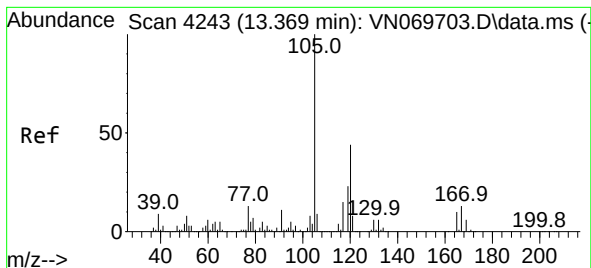
Tgt Ion: 91 Resp: 607177
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 6.907 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070266.D
Acq: 21 Dec 2021 14:36

Tgt Ion: 105 Resp: 247466
Ion Ratio Lower Upper
105 100
120 48.5 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 37.918 ug/l

RT: 13.369 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070266.D

Acq: 21 Dec 2021 14:36

Instrument :

MSVOA_N

ClientSampleId :

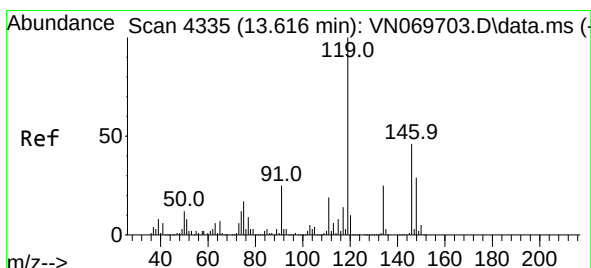
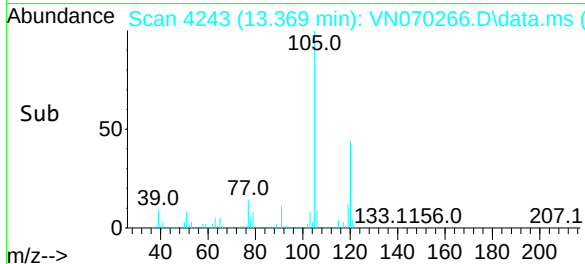
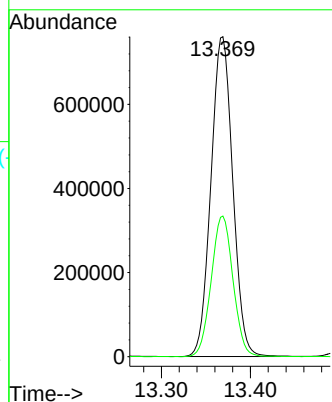
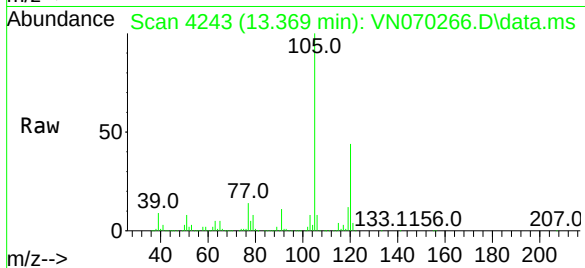
MW-15DL

Tgt Ion:105 Resp: 1293809

Ion Ratio Lower Upper

105 100

120 44.0 22.8 68.4



#86

p-Isopropyltoluene

Concen: 0.458 ug/l

RT: 13.613 min Scan# 4334

Delta R.T. -0.003 min

Lab File: VN070266.D

Acq: 21 Dec 2021 14:36

Tgt Ion:119 Resp: 15389

Ion Ratio Lower Upper

119 100

134 23.9 13.6 40.7

91 0.0 11.4 34.1#

