

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069965.D
 Acq On : 10 Dec 2021 18:06
 Operator : JC/MD
 Sample : M4969-06DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-10DL

Quant Time: Dec 11 05:22:21 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)

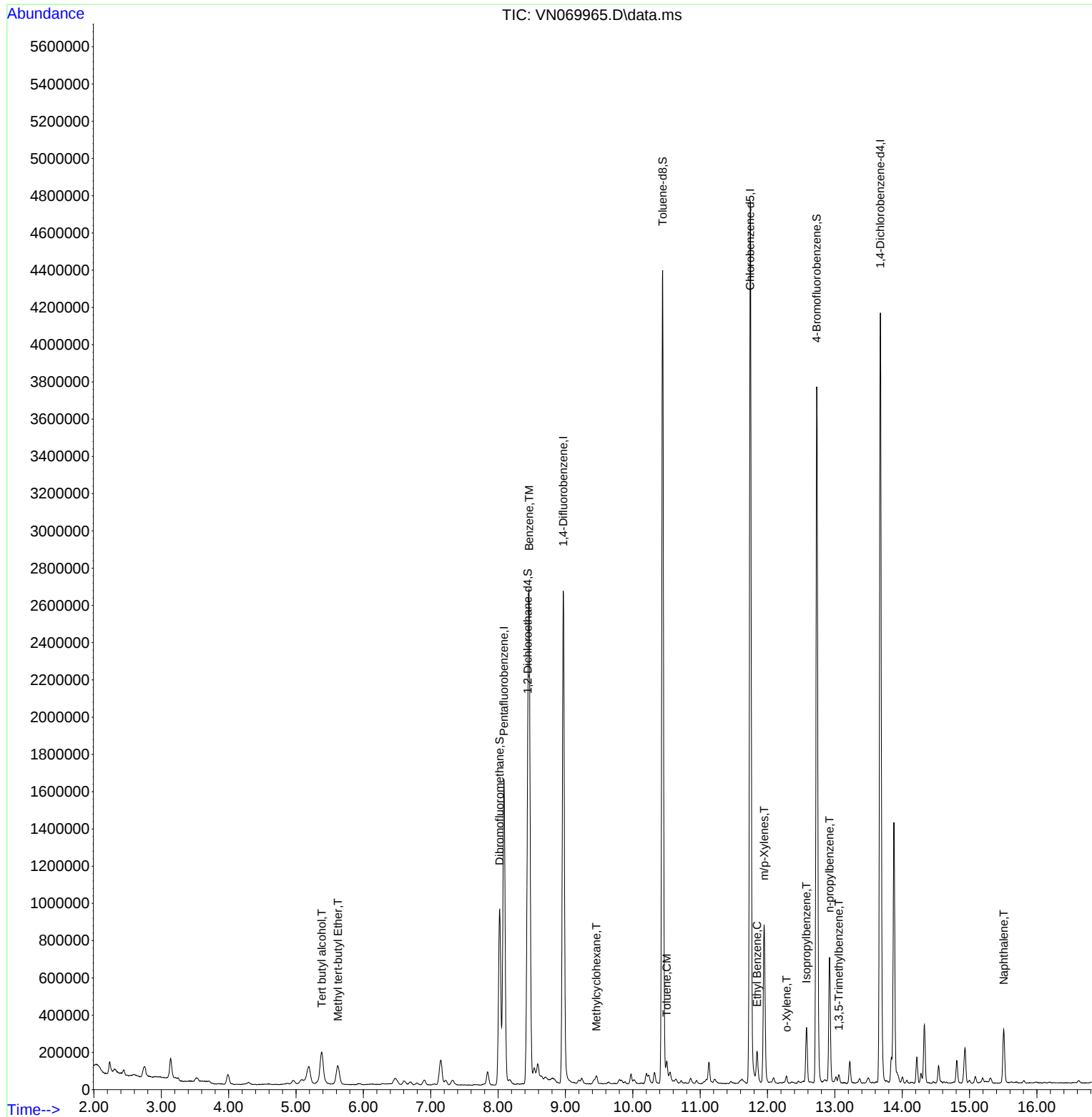
Internal Standards						
1) Pentafluorobenzene	8.088	168	1161396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2203231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2566454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1099116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	921051	51.36	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.72%			
35) Dibromofluoromethane	8.024	113	683461	49.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.04%			
50) Toluene-d8	10.443	98	2913416	52.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.16%			
62) 4-Bromofluorobenzene	12.731	95	1295594	64.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 129.08%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.382	59	314995	92.93	ug/l	97
19) Methyl tert-butyl Ether	5.624	73	119891	2.79	ug/l #	65
39) Methylcyclohexane	9.461	83	15967	0.64	ug/l	94
40) Benzene	8.461	78	2209382	34.46	ug/l	99
52) Toluene	10.505	92	36416	0.93	ug/l	96
67) Ethyl Benzene	11.843	91	111137	1.18	ug/l	94
68) m/p-Xylenes	11.950	106	255680	7.42	ug/l	93
69) o-Xylene	12.283	106	8863	0.26	ug/l	87
73) Isopropylbenzene	12.578	105	188394	1.93	ug/l	98
78) n-propylbenzene	12.921	91	544895	5.01	ug/l	96
80) 1,3,5-Trimethylbenzene	13.061	105	16367	0.21	ug/l	98
95) Naphthalene	15.507	128	260574	8.45	ug/l	99

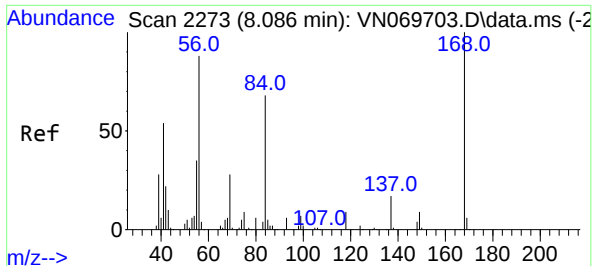
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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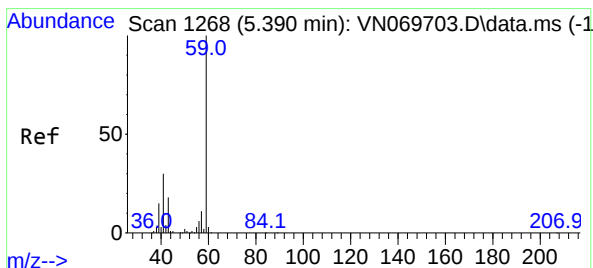
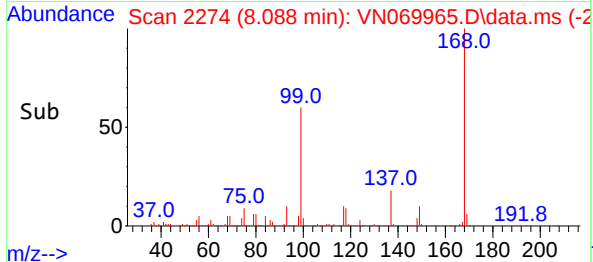
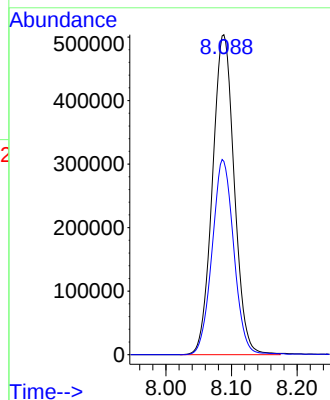
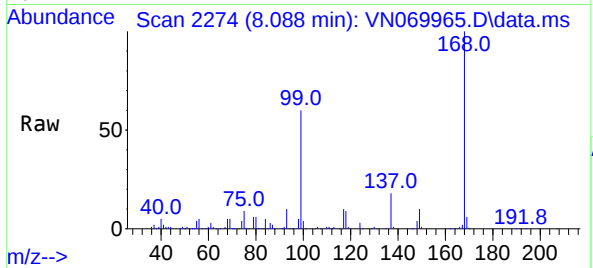




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

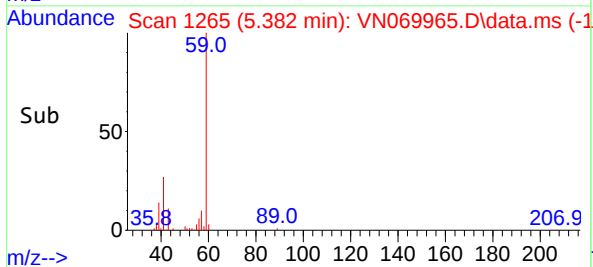
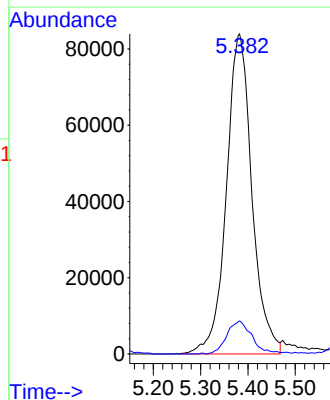
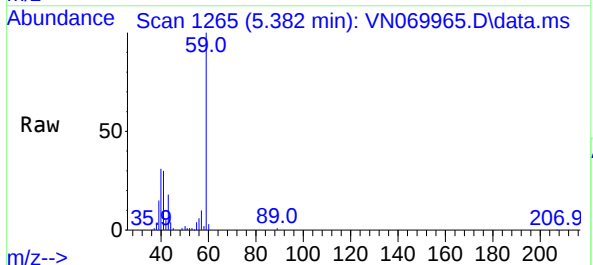
Instrument :
MSVOA_N
ClientSampleId :
M-10DL

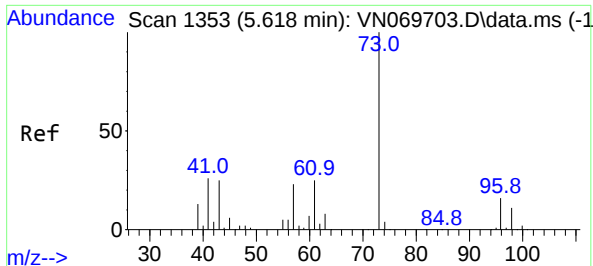
Tgt Ion:168 Resp: 1161396
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 92.93 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion: 59 Resp: 314995
Ion Ratio Lower Upper
59 100
57 9.7 8.7 13.1





#19

Methyl tert-butyl Ether

Concen: 2.79 ug/l

RT: 5.624 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN069965.D

Acq: 10 Dec 2021 18:06

Instrument :

MSVOA_N

ClientSampleId :

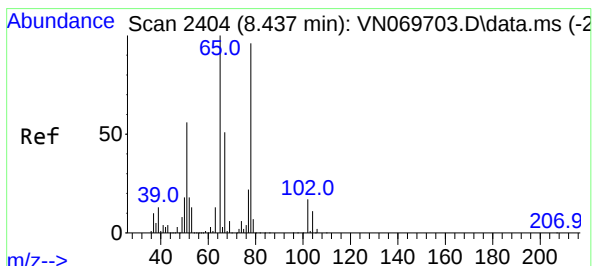
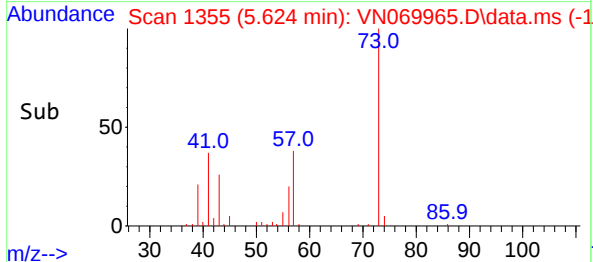
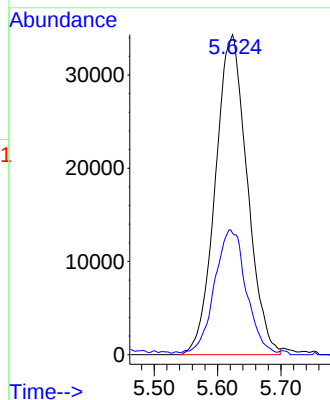
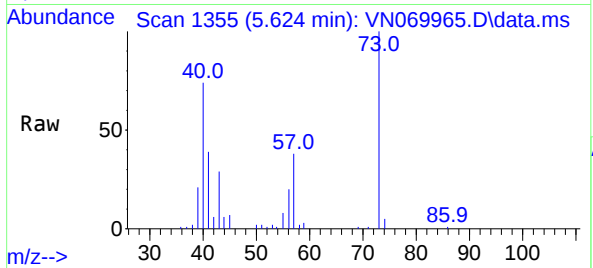
M-10DL

Tgt Ion: 73 Resp: 119891

Ion Ratio Lower Upper

73 100

57 37.3 16.8 25.2#



#33

1,2-Dichloroethane-d4

Concen: 51.36 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069965.D

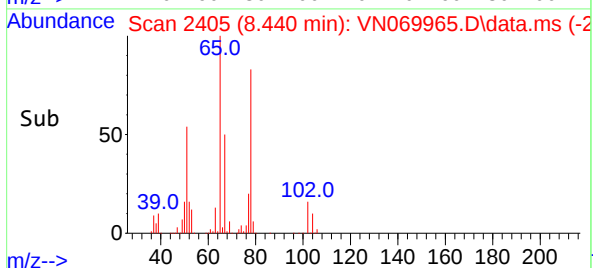
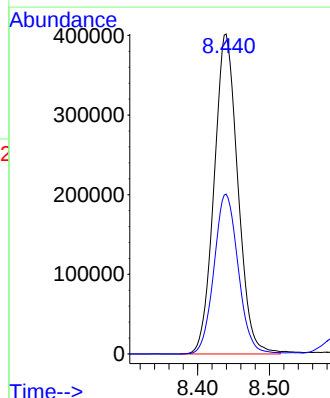
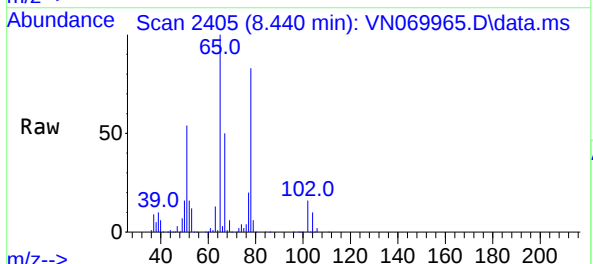
Acq: 10 Dec 2021 18:06

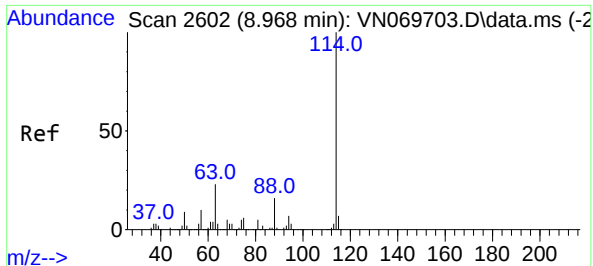
Tgt Ion: 65 Resp: 921051

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN069965.D

Acq: 10 Dec 2021 18:06

Instrument :

MSVOA_N

ClientSampleId :

M-10DL

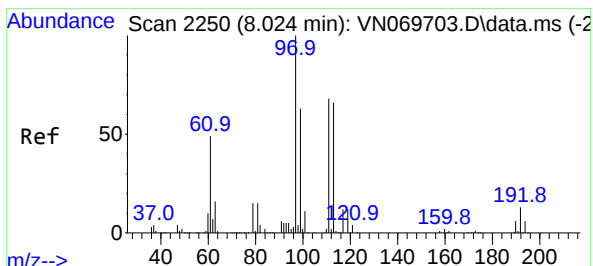
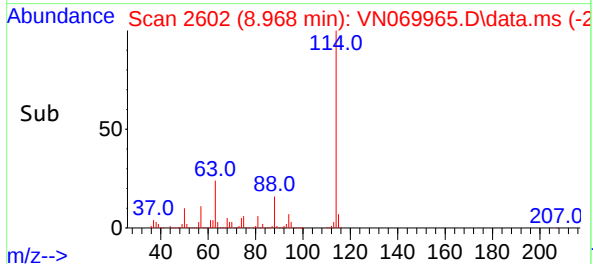
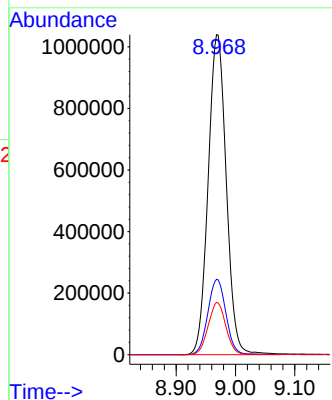
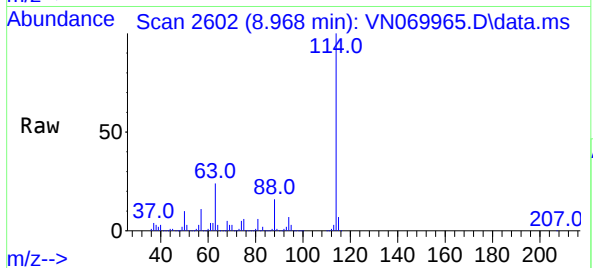
Tgt Ion:114 Resp: 2203231

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.52 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069965.D

Acq: 10 Dec 2021 18:06

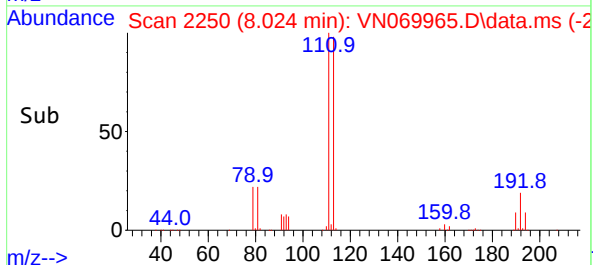
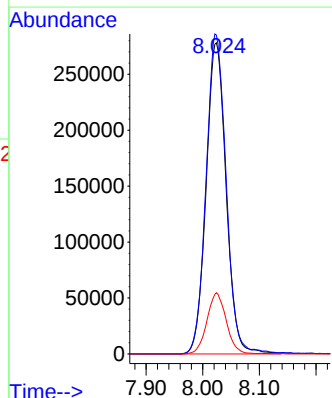
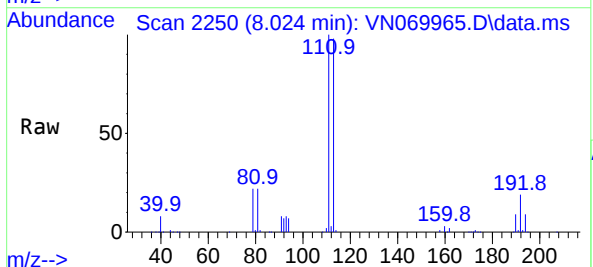
Tgt Ion:113 Resp: 683461

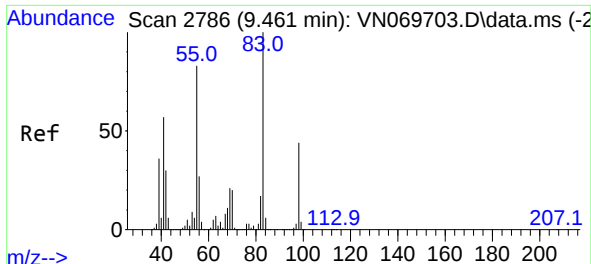
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 19.0 16.9 25.3





#39

Methylcyclohexane

Concen: 0.64 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069965.D

Acq: 10 Dec 2021 18:06

Instrument :

MSVOA_N

ClientSampleId :

M-10DL

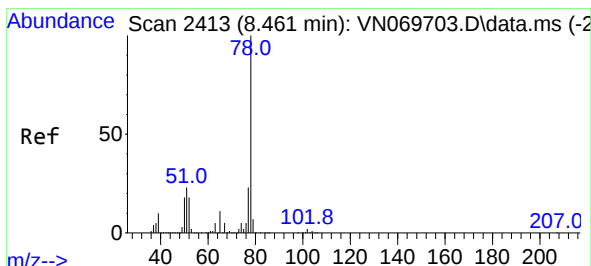
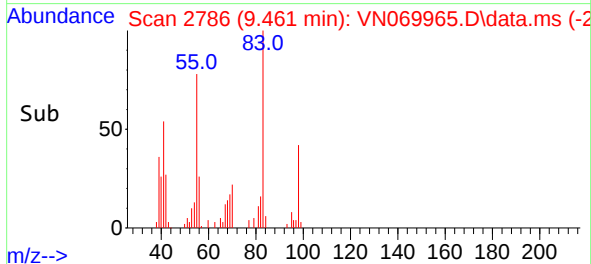
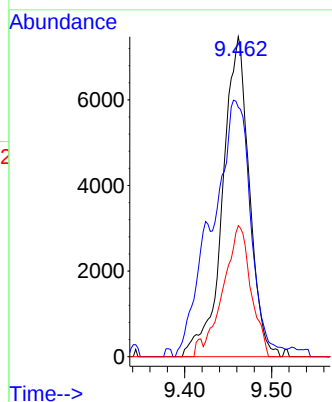
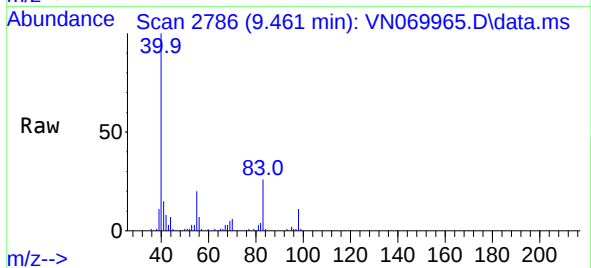
Tgt Ion: 83 Resp: 15967

Ion Ratio Lower Upper

83 100

55 75.0 58.1 87.1

98 41.0 38.4 57.6



#40

Benzene

Concen: 34.46 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN069965.D

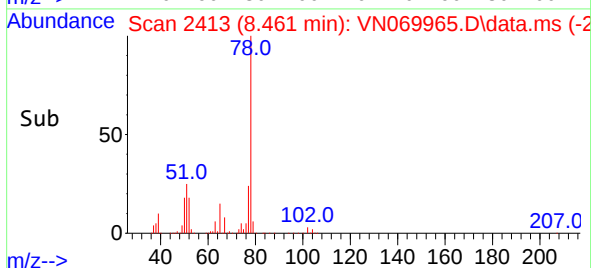
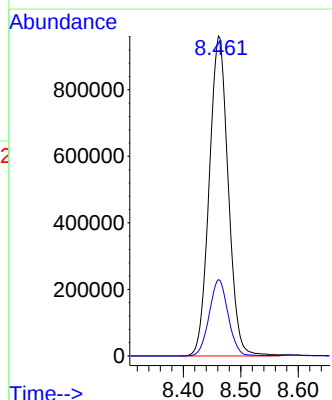
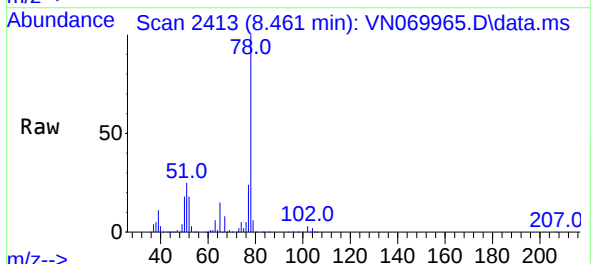
Acq: 10 Dec 2021 18:06

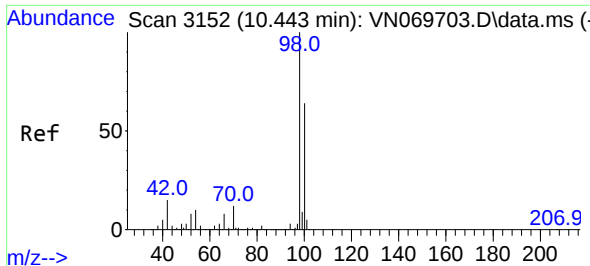
Tgt Ion: 78 Resp: 2209382

Ion Ratio Lower Upper

78 100

77 23.9 18.6 27.8

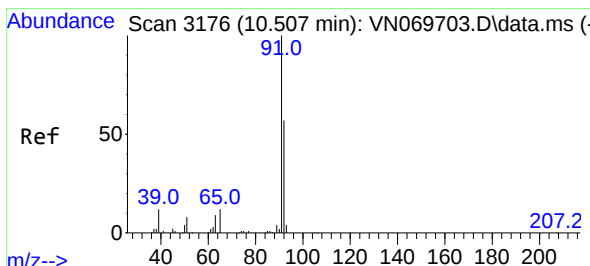
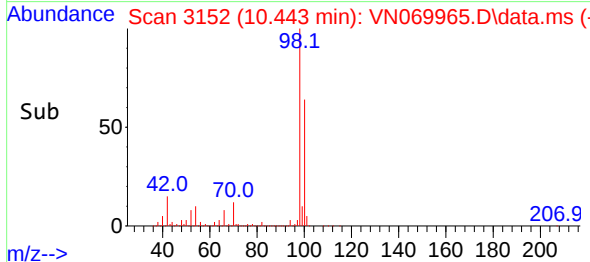
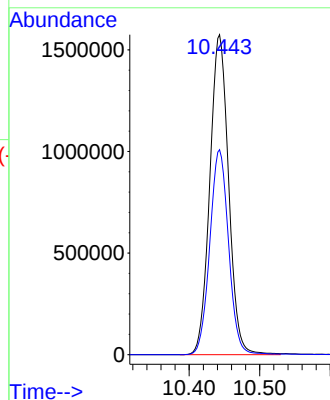
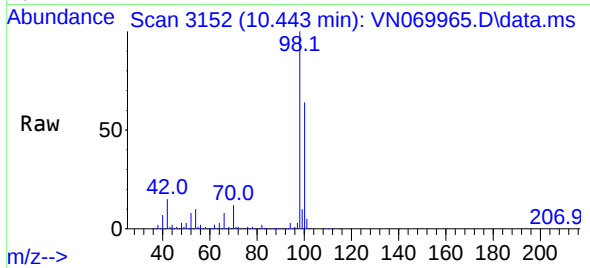




#50
Toluene-d8
Concen: 52.58 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

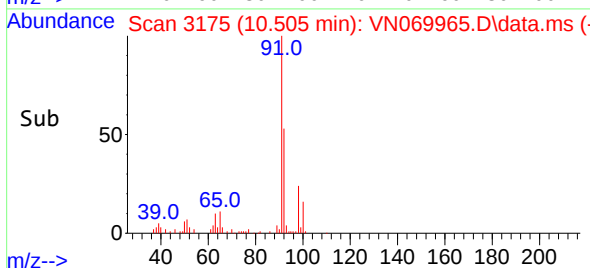
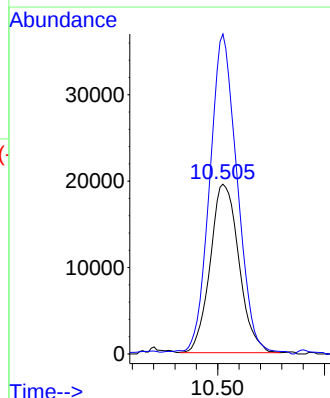
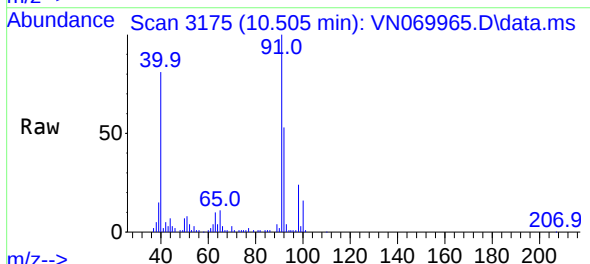
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M-10DL

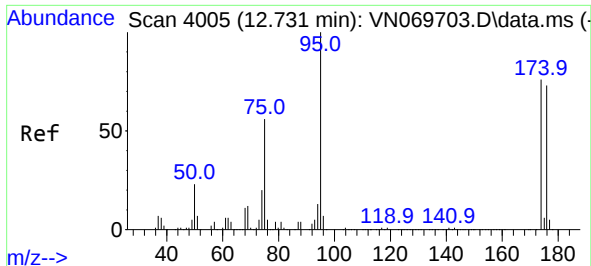
Tgt Ion: 98 Resp: 2913416
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#52
Toluene
Concen: 0.93 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion: 92 Resp: 36416
Ion Ratio Lower Upper
92 100
91 183.4 142.0 213.0

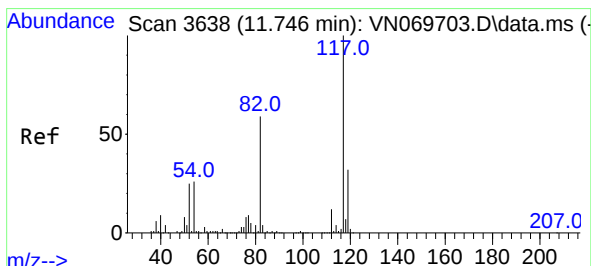
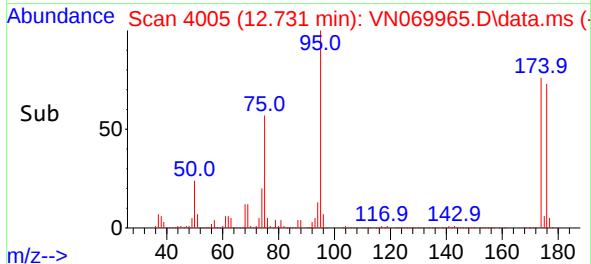
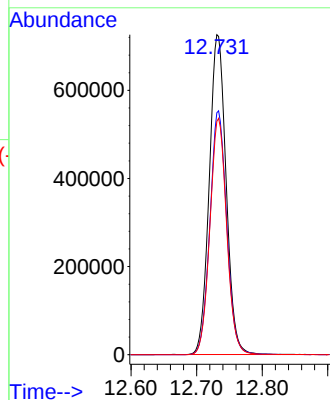
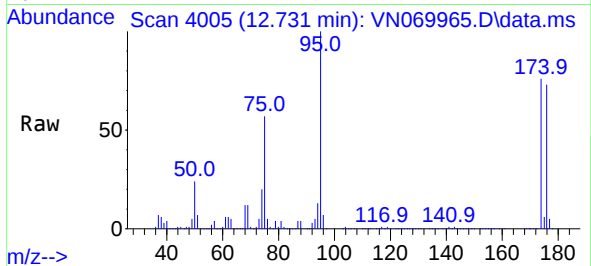




#62
4-Bromofluorobenzene
Concen: 64.54 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

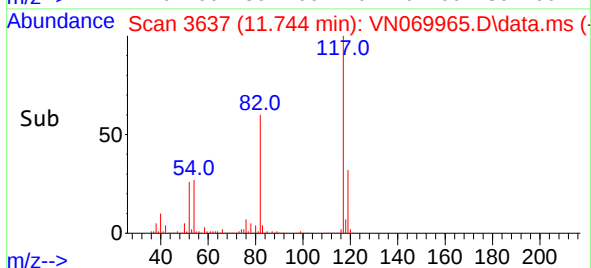
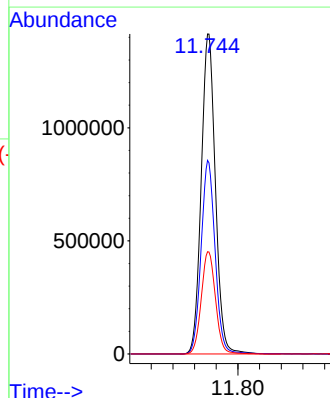
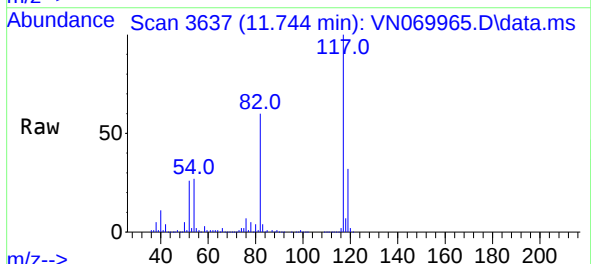
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MSVOA_N
ClientSampleId :
M-10DL

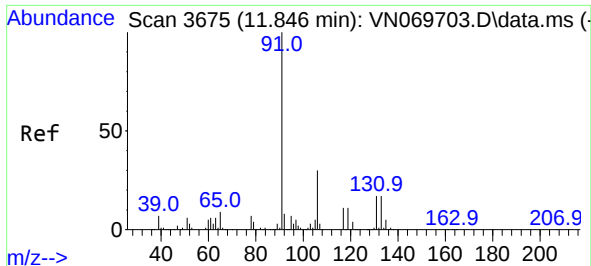
Tgt Ion: 95 Resp: 1295594
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion: 117 Resp: 2566454
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 31.9 25.4 38.2





#67

Ethyl Benzene

Concen: 1.18 ug/l

RT: 11.843 min Scan# 3

Delta R.T. -0.003 min

Lab File: VN069965.D

Acq: 10 Dec 2021 18:06

Instrument :

MSVOA_N

ClientSampleId :

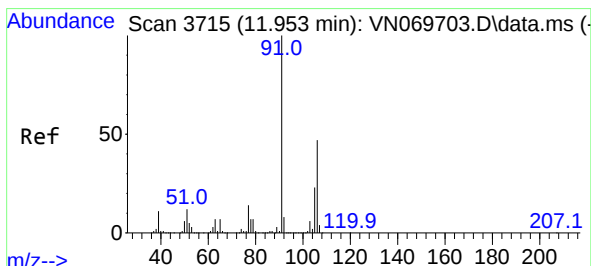
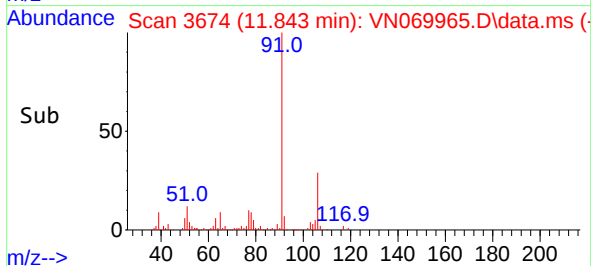
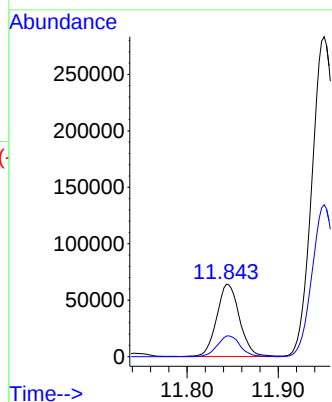
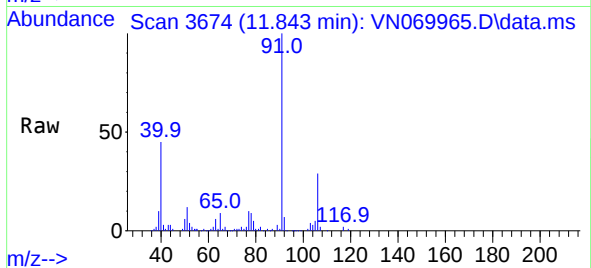
M-10DL

Tgt Ion: 91 Resp: 111137

Ion Ratio Lower Upper

91 100

106 28.7 25.7 38.5



#68

m/p-Xylenes

Concen: 7.42 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. -0.003 min

Lab File: VN069965.D

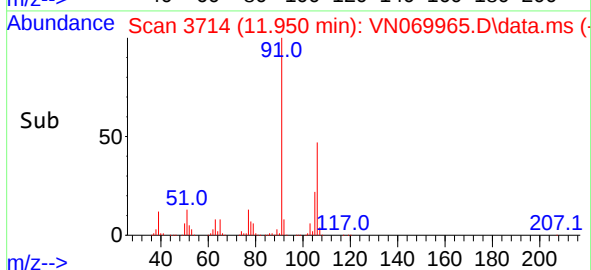
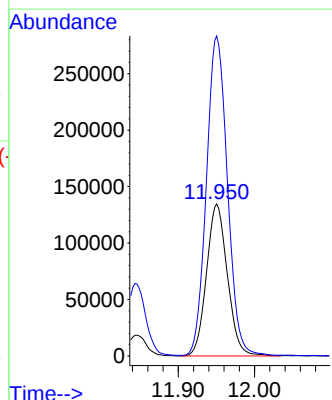
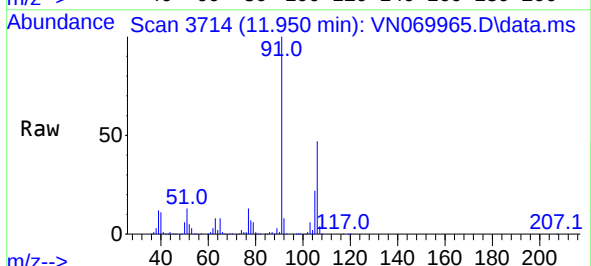
Acq: 10 Dec 2021 18:06

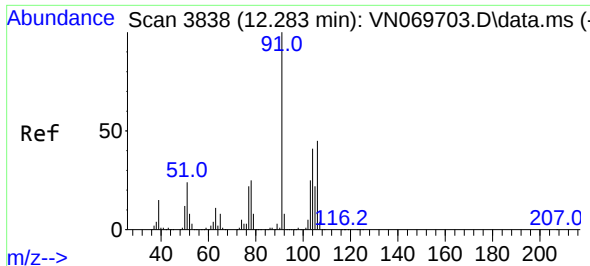
Tgt Ion:106 Resp: 255680

Ion Ratio Lower Upper

106 100

91 211.1 160.6 240.8

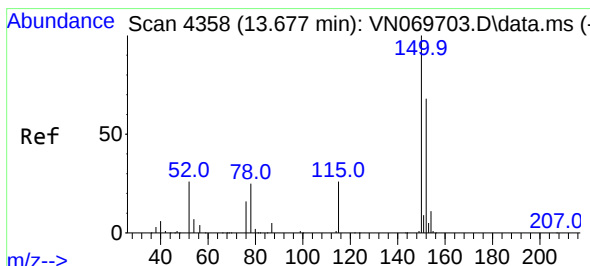
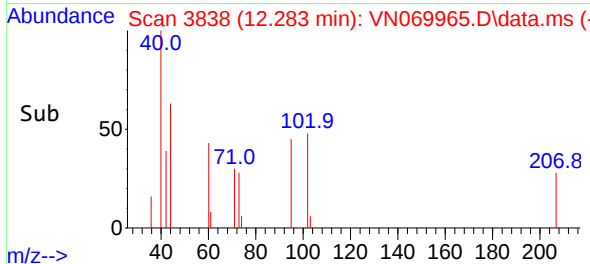
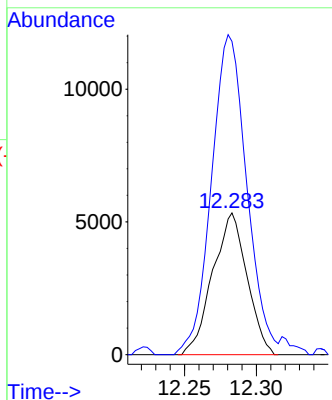
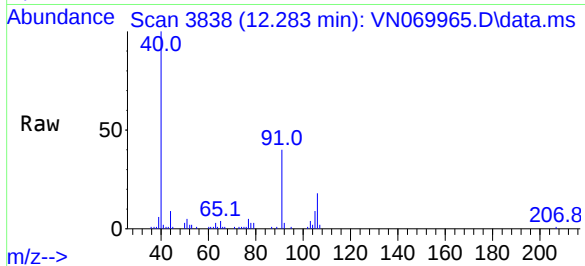




#69
o-Xylene
Concen: 0.26 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

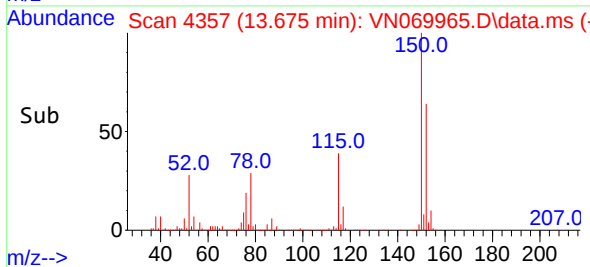
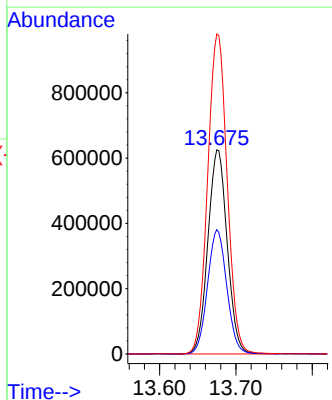
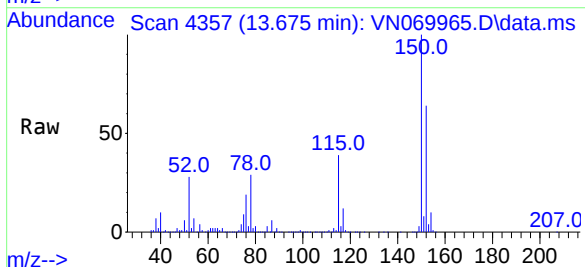
Instrument :
MSVOA_N
ClientSampleId :
M-10DL

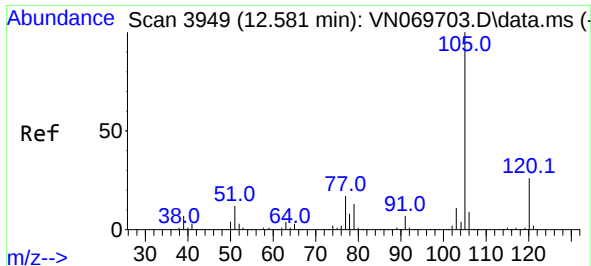
Tgt Ion:106 Resp: 8863
Ion Ratio Lower Upper
106 100
91 231.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion:152 Resp: 1099116
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.4 0.0 344.4

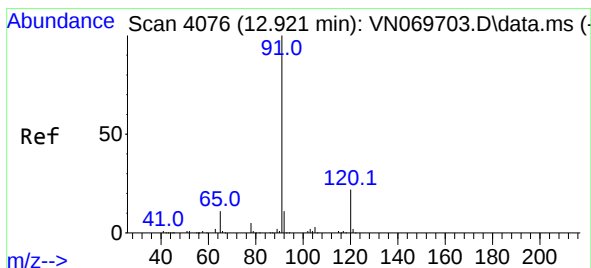
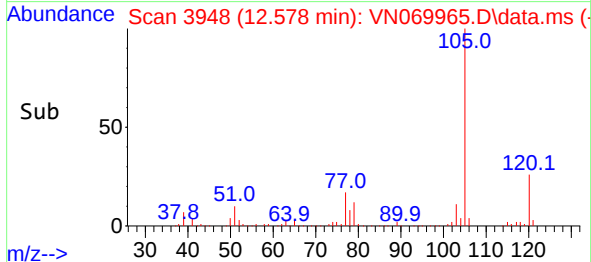
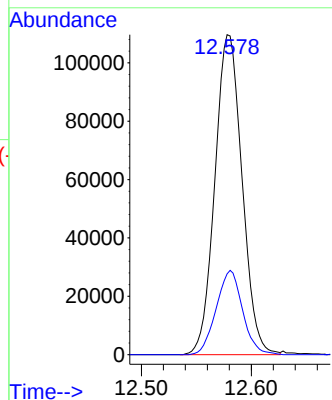
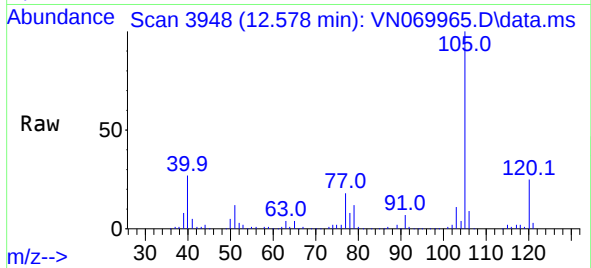




#73
Isopropylbenzene
Concen: 1.93 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

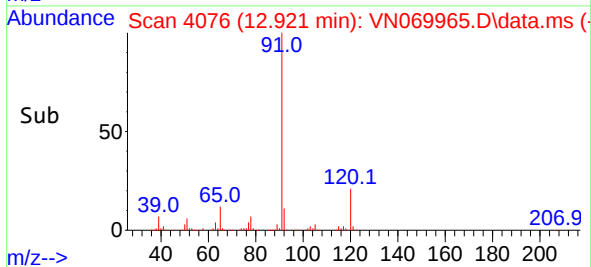
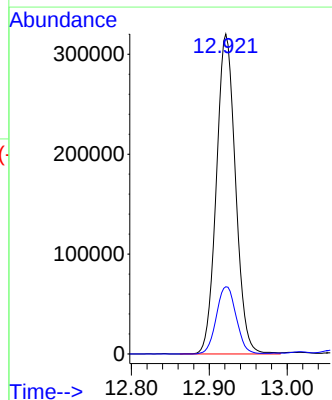
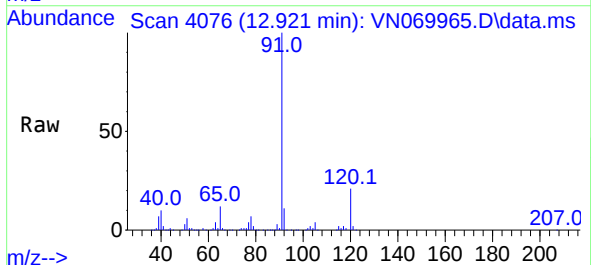
Instrument :
MSVOA_N
ClientSampleId :
M-10DL

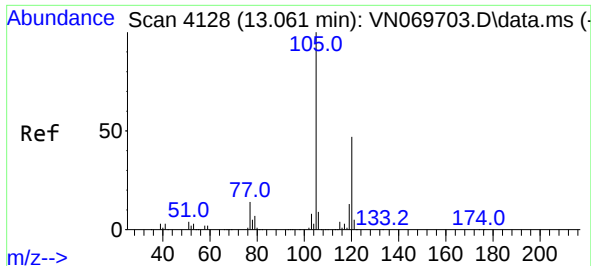
Tgt Ion:105 Resp: 188394
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1



#78
n-propylbenzene
Concen: 5.01 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion: 91 Resp: 544895
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9

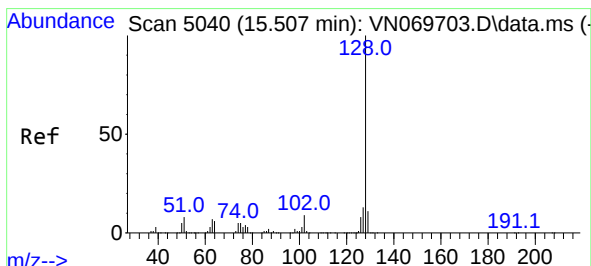
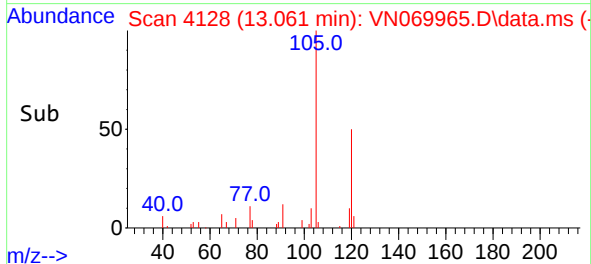
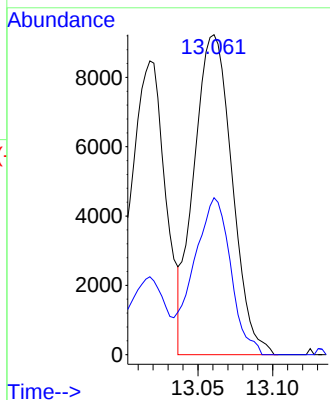
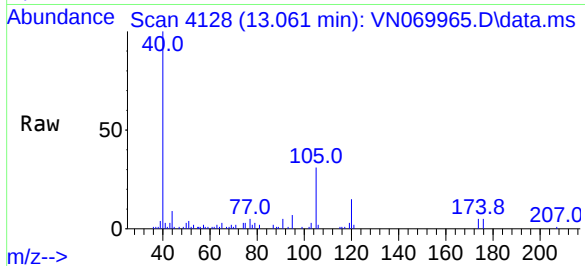




#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :
M-10DL

Tgt Ion:105 Resp: 16367
Ion Ratio Lower Upper
105 100
120 47.6 24.6 73.6



#95
Naphthalene
Concen: 8.45 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069965.D
Acq: 10 Dec 2021 18:06

Tgt Ion:128 Resp: 260574
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.2 8.7 13.1

