

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069926.D
 Acq On : 9 Dec 2021 21:26
 Operator : JC/MD
 Sample : M4970-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Quant Time: Dec 10 06:23:44 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)

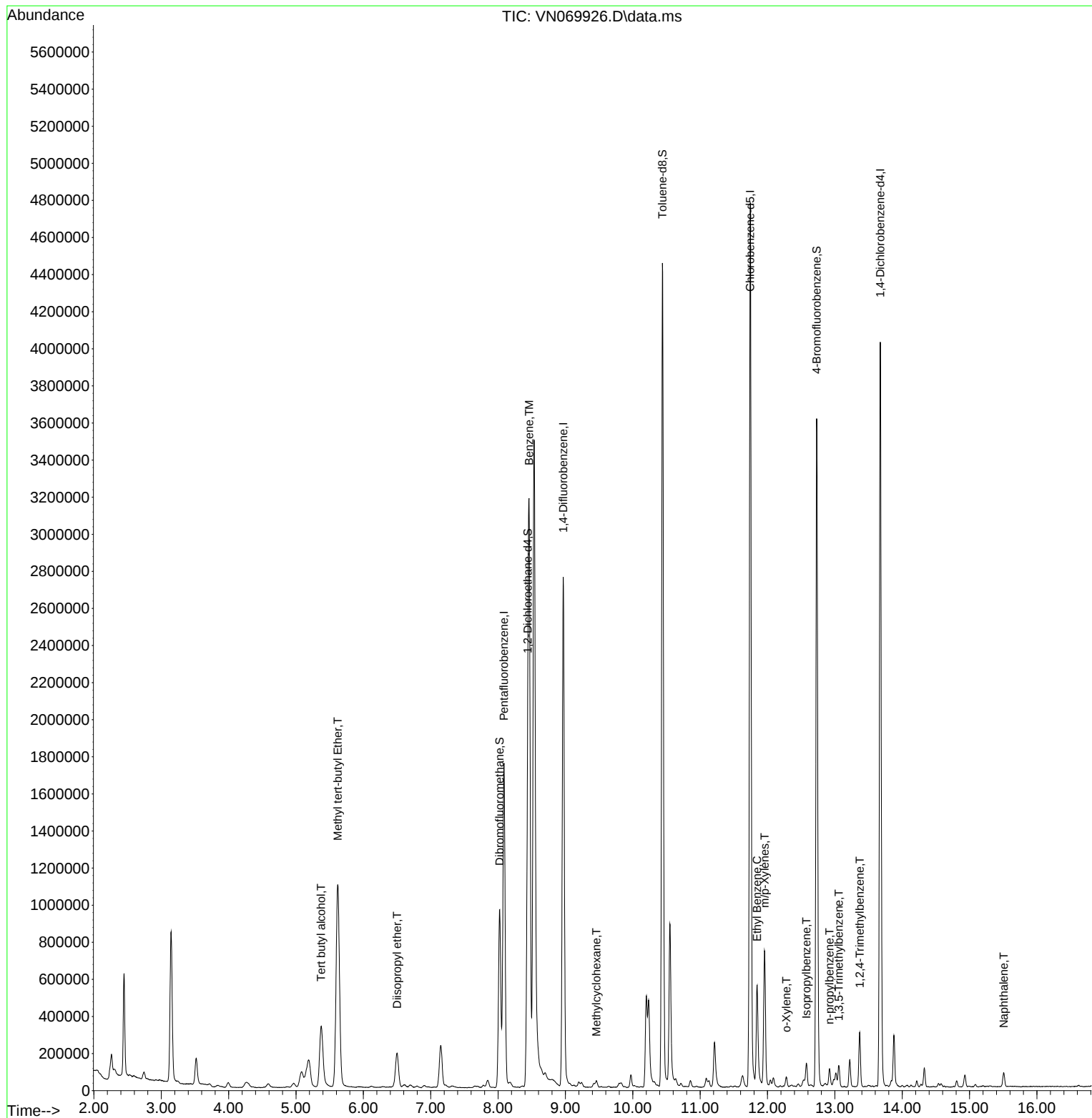
Internal Standards						
1) Pentafluorobenzene	8.086	168	1230555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2291113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2578306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1048773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	952076	50.110	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.220%	
35) Dibromofluoromethane	8.024	113	697021	48.569	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.140%	
50) Toluene-d8	10.440	98	3026592	52.523	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.731	95	1233157	59.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 118.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.374	59	608468	169.423	ug/l	99
19) Methyl tert-butyl Ether	5.621	73	1604801	35.211	ug/l #	87
22) Diisopropyl ether	6.500	45	236168	4.575	ug/l #	89
39) Methylcyclohexane	9.461	83	13042	0.503	ug/l #	85
40) Benzene	8.461	78	2753860	41.308	ug/l	100
67) Ethyl Benzene	11.843	91	366210	3.854	ug/l	98
68) m/p-Xylenes	11.958	106	223964	6.474	ug/l	93
69) o-Xylene	12.280	106	11992	0.344	ug/l	90
73) Isopropylbenzene	12.578	105	76606	0.821	ug/l	98
78) n-propylbenzene	12.921	91	76011	0.732	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	58089	0.773	ug/l	96
84) 1,2,4-Trimethylbenzene	13.369	105	168079	2.350	ug/l	96
95) Naphthalene	15.507	128	70589	5.253	ug/l	99

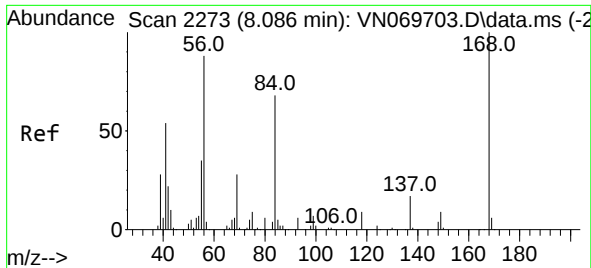
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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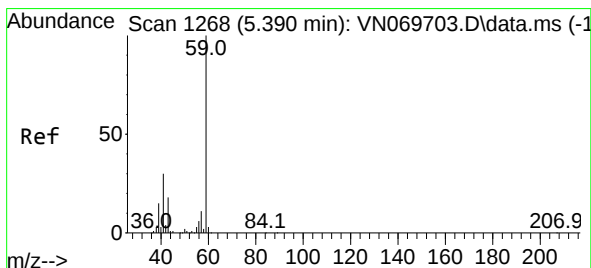
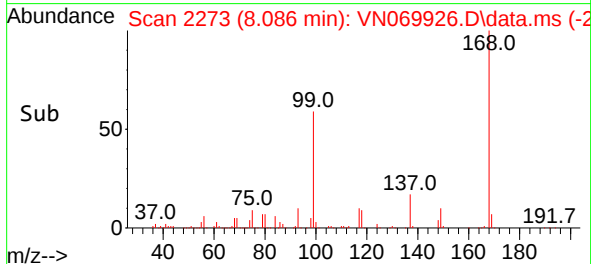
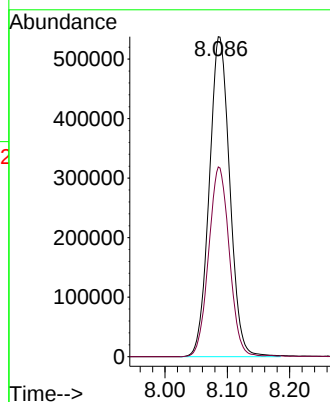
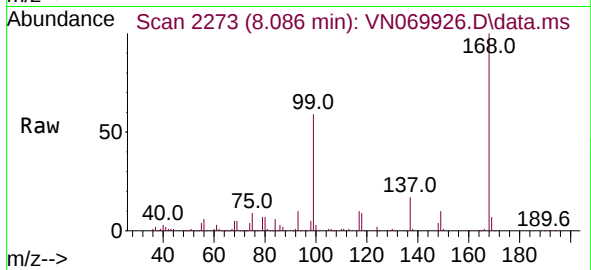




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

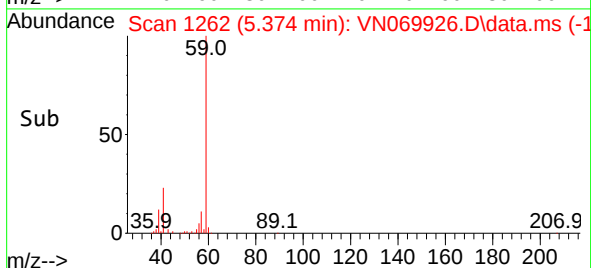
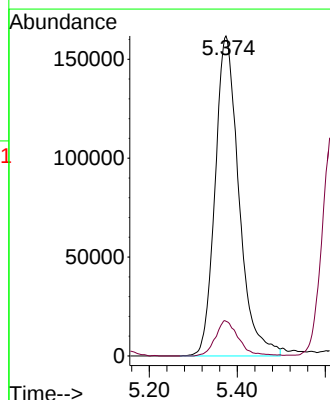
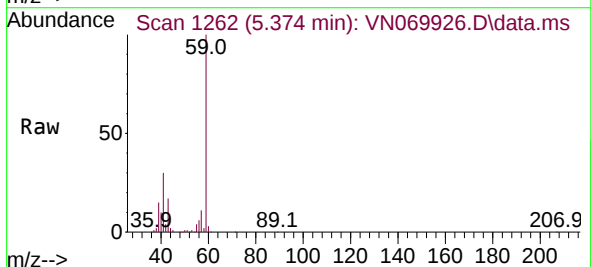
Instrument :
MSVOA_N
ClientSampleId :
MW-18

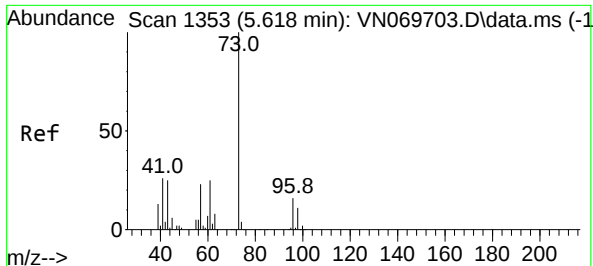
Tgt Ion:168 Resp: 1230555
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 169.423 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

Tgt Ion: 59 Resp: 608468
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1





#19

Methyl tert-butyl Ether

Concen: 35.211 ug/l

RT: 5.621 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN069926.D

Acq: 9 Dec 2021 21:26

Instrument :

MSVOA_N

ClientSampleId :

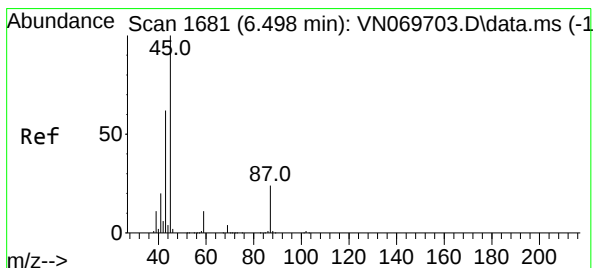
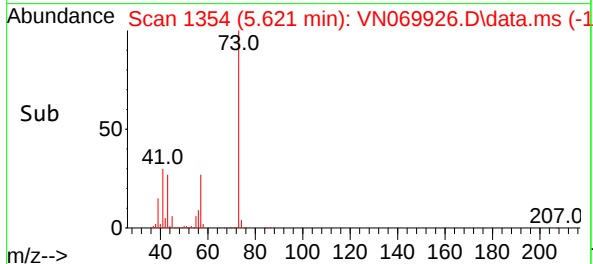
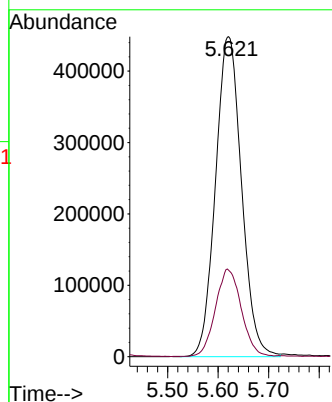
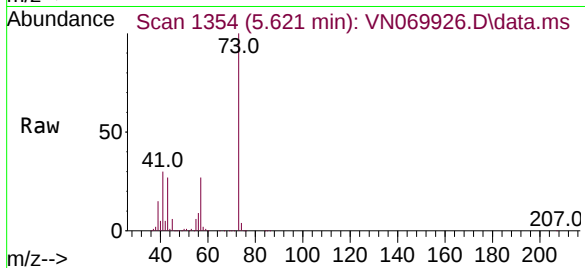
MW-18

Tgt Ion: 73 Resp: 1604801

Ion Ratio Lower Upper

73 100

57 26.9 16.8 25.2#



#22

Diisopropyl ether

Concen: 4.575 ug/l

RT: 6.500 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN069926.D

Acq: 9 Dec 2021 21:26

Tgt Ion: 45 Resp: 236168

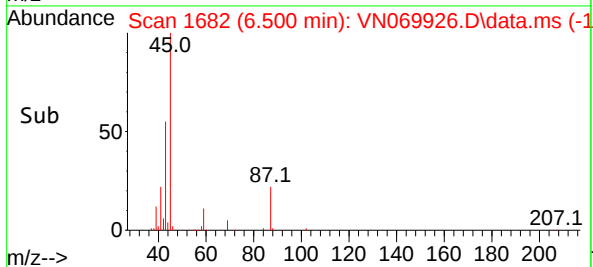
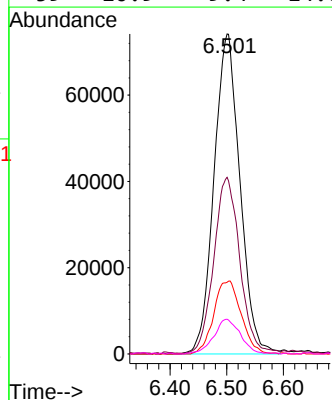
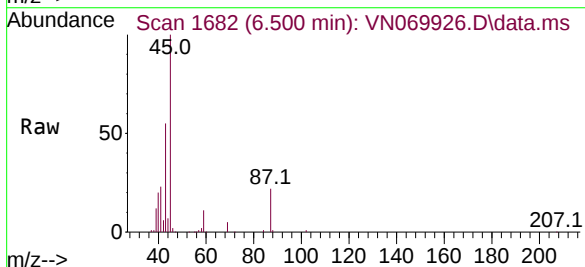
Ion Ratio Lower Upper

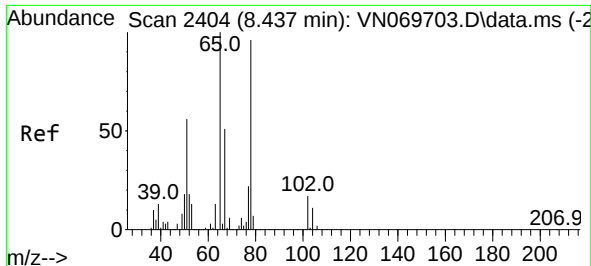
45 100

43 55.0 51.7 77.5

87 22.4 23.2 34.8#

59 10.9 9.4 14.0





#33

1,2-Dichloroethane-d4

Concen: 50.110 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069926.D

Acq: 9 Dec 2021 21:26

Instrument :

MSVOA_N

ClientSampleId :

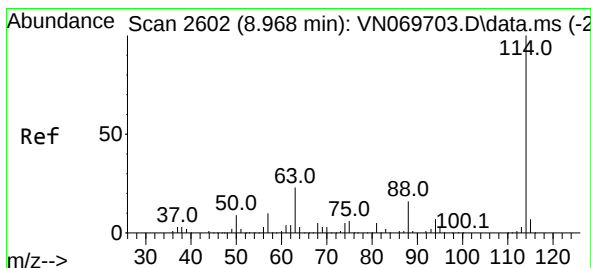
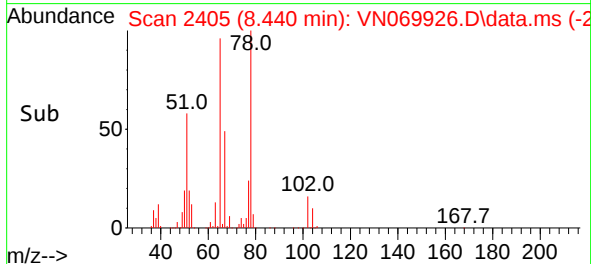
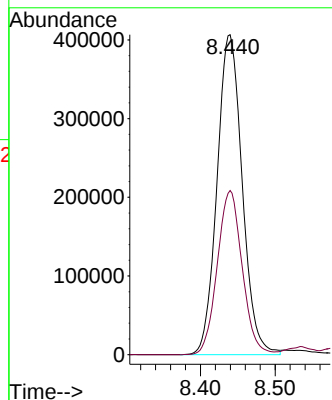
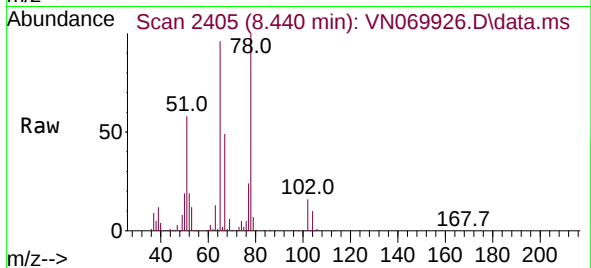
MW-18

Tgt Ion: 65 Resp: 952076

Ion Ratio Lower Upper

65 100

67 50.6 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: VN069926.D

Acq: 9 Dec 2021 21:26

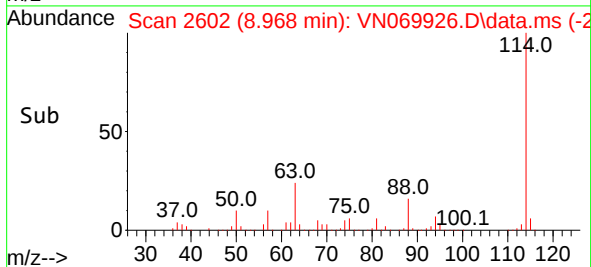
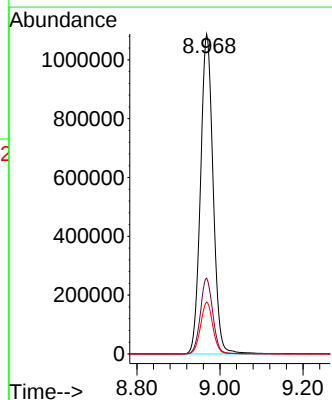
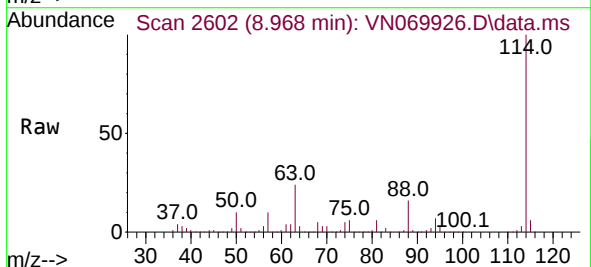
Tgt Ion: 114 Resp: 2291113

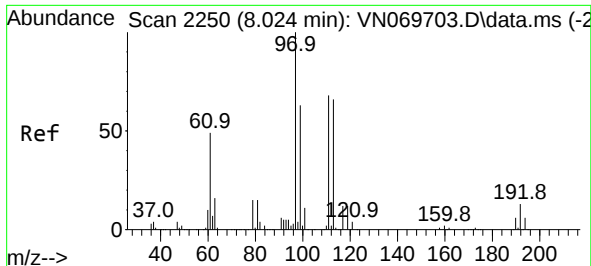
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.2 0.0 27.4

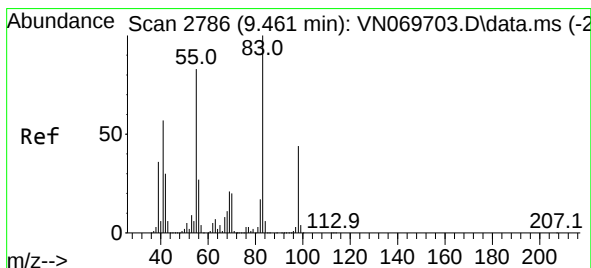
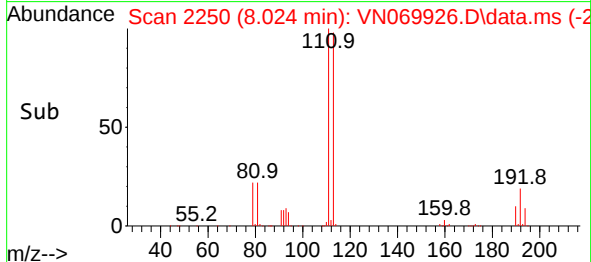
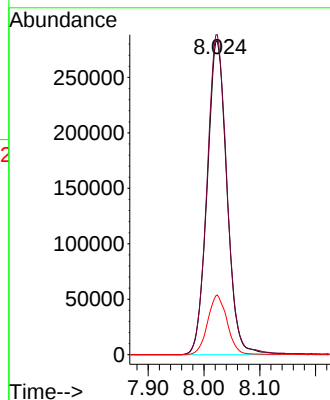
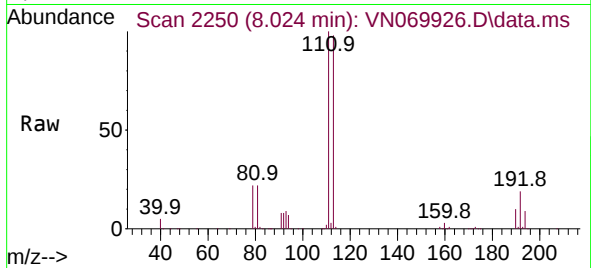




#35
 Dibromofluoromethane
 Concen: 48.569 ug/l
 RT: 8.024 min Scan# 2113
 Delta R.T. 0.000 min
 Lab File: VN069926.D
 Acq: 9 Dec 2021 21:26

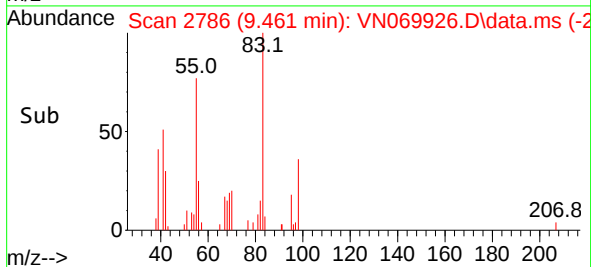
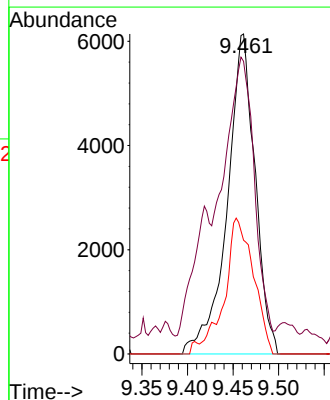
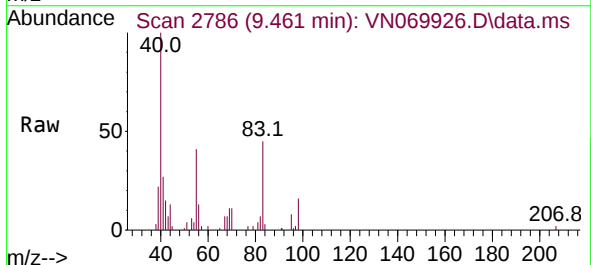
Instrument :
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 MW-18

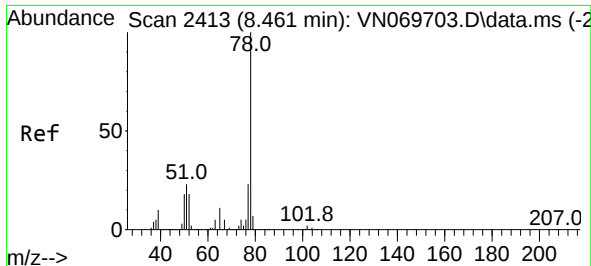
Tgt Ion:113 Resp: 697021
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 18.8 16.9 25.3



#39
 Methylcyclohexane
 Concen: 0.503 ug/l
 RT: 9.461 min Scan# 2786
 Delta R.T. 0.000 min
 Lab File: VN069926.D
 Acq: 9 Dec 2021 21:26

Tgt Ion: 83 Resp: 13042
 Ion Ratio Lower Upper
 83 100
 55 83.0 58.1 87.1
 98 35.6 38.4 57.6#

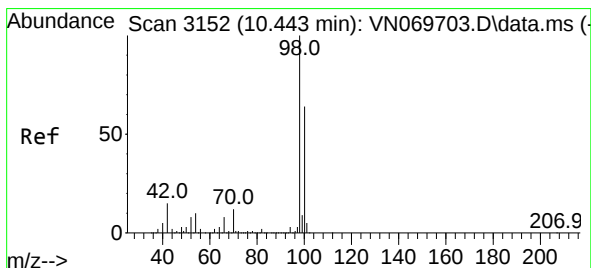
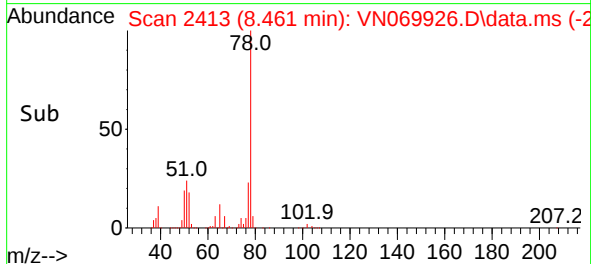
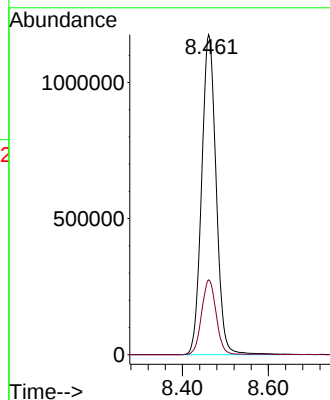
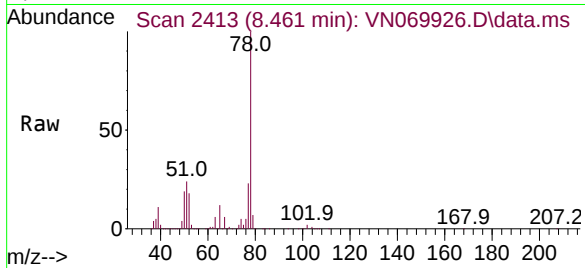




#40
Benzene
Concen: 41.308 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

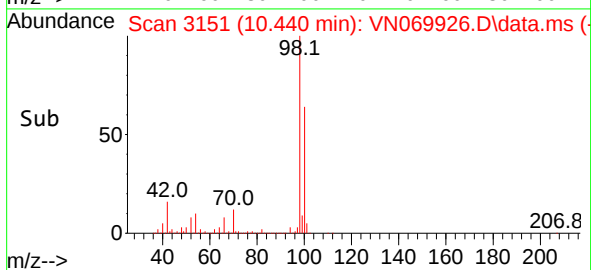
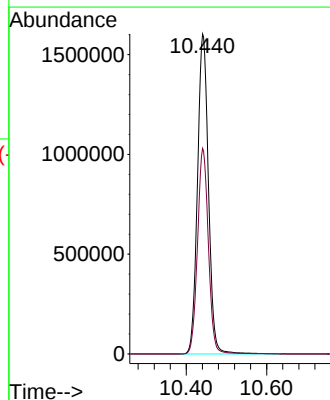
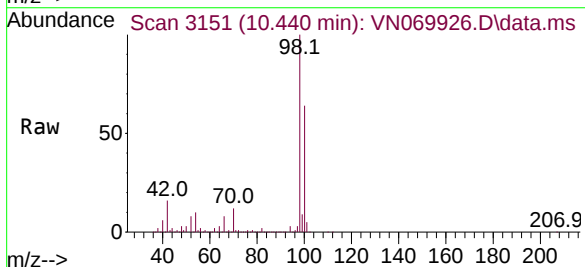
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MSVOA_N
ClientSampleId :
MW-18

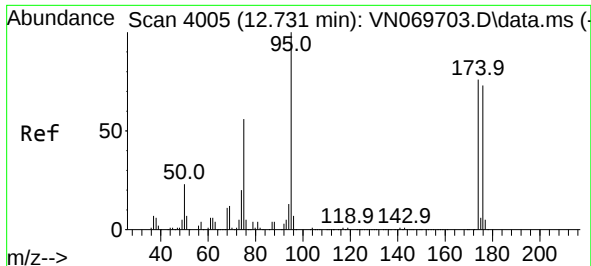
Tgt Ion: 78 Resp: 2753860
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8



#50
Toluene-d8
Concen: 52.523 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

Tgt Ion: 98 Resp: 3026592
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

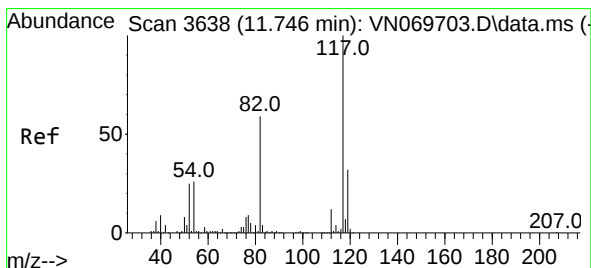
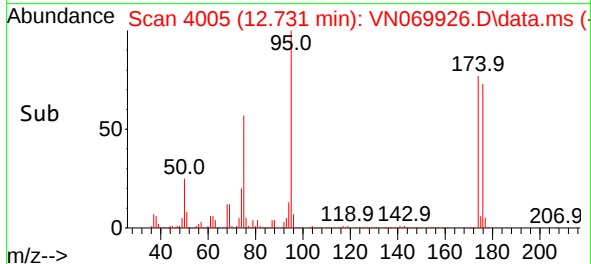
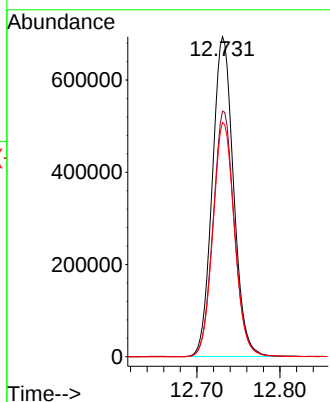
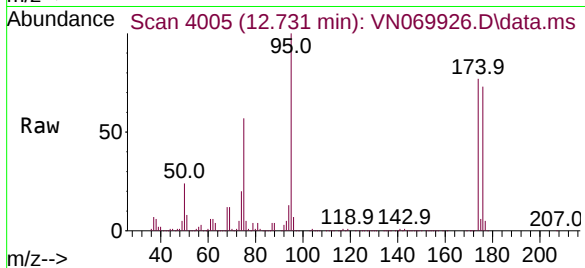




#62
4-Bromofluorobenzene
Concen: 59.071 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

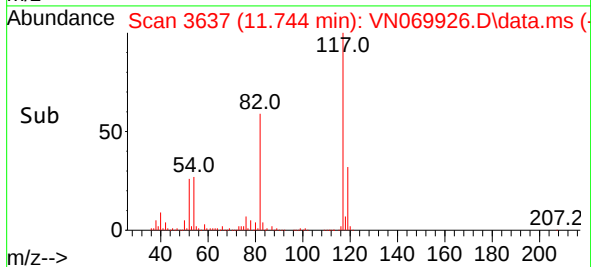
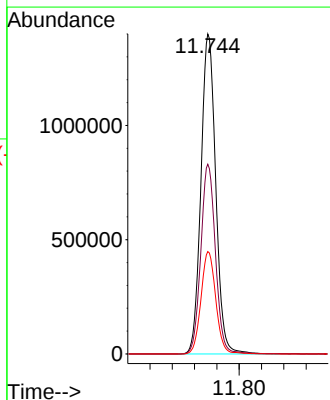
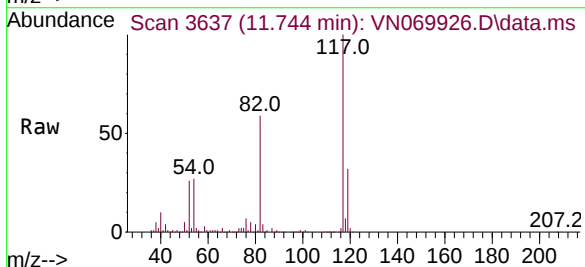
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MSVOA_N
ClientSampleId :
MW-18

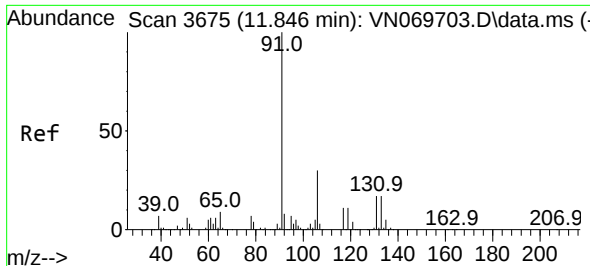
Tgt Ion: 95 Resp: 1233157
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 74.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

Tgt Ion: 117 Resp: 2578306
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.0 25.4 38.2

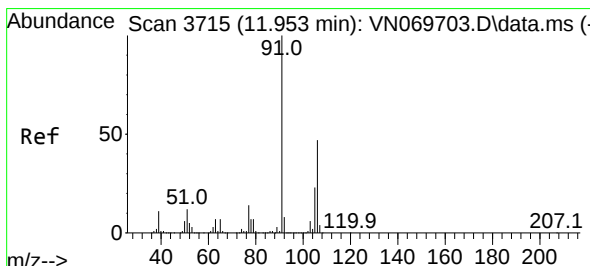
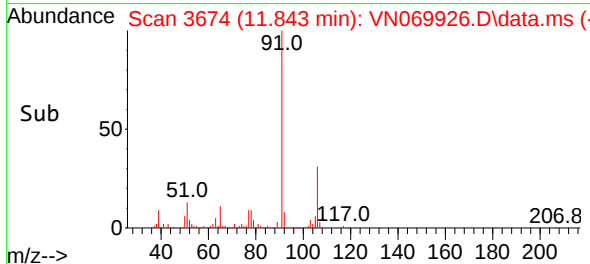
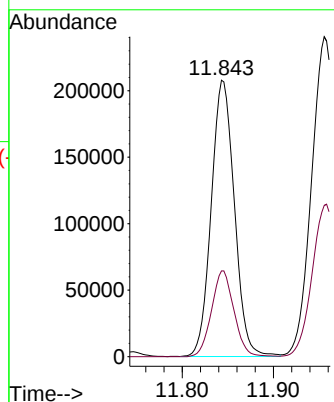
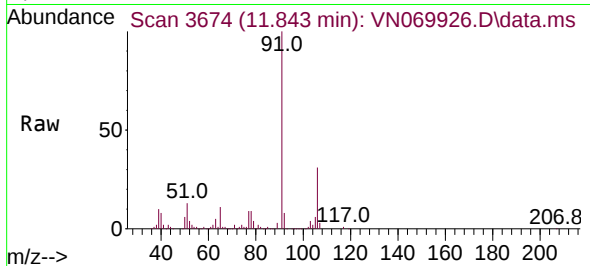




#67
Ethyl Benzene
Concen: 3.854 ug/l
RT: 11.843 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

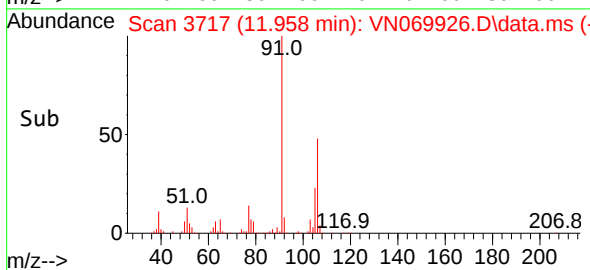
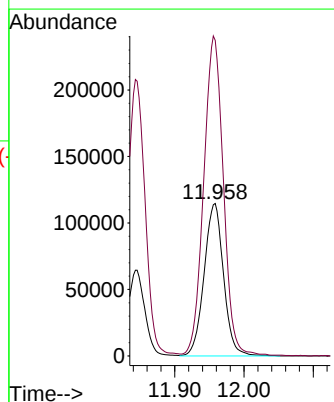
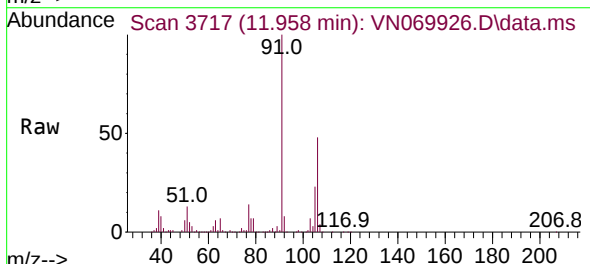
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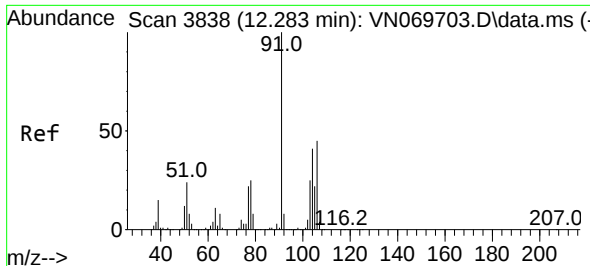
Tgt Ion: 91 Resp: 366210
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5



#68
m/p-Xylenes
Concen: 6.474 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.005 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

Tgt Ion:106 Resp: 223964
Ion Ratio Lower Upper
106 100
91 212.0 160.6 240.8

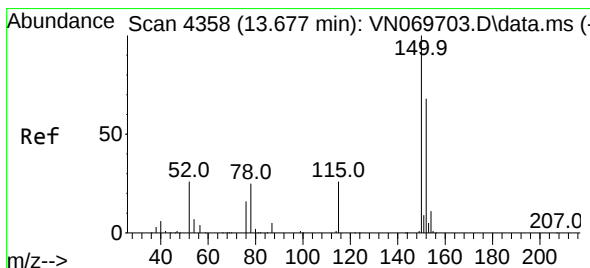
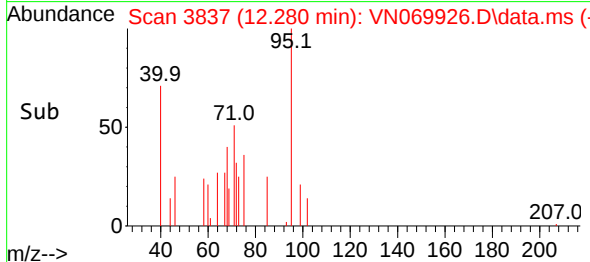
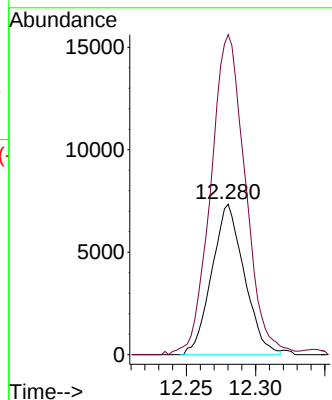
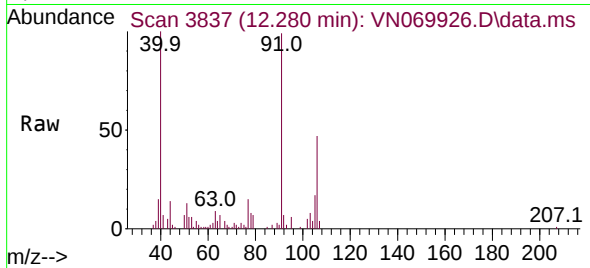




#69
o-Xylene
Concen: 0.344 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

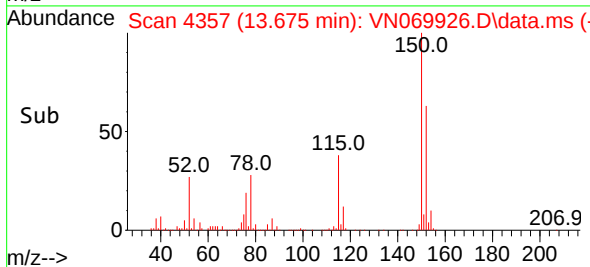
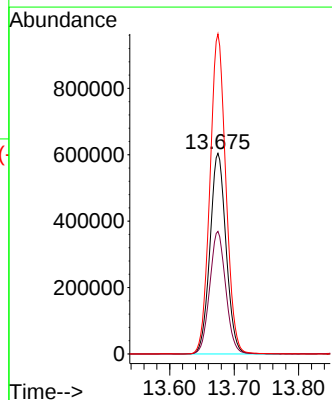
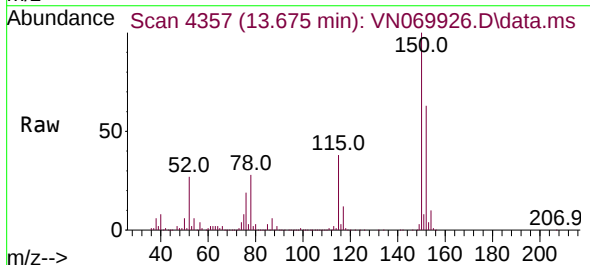
Instrument :
MSVOA_N
ClientSampleId :
MW-18

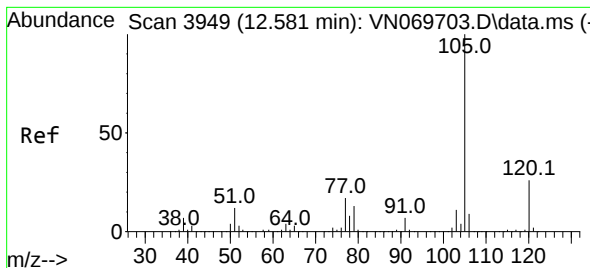
Tgt Ion:106 Resp: 11992
Ion Ratio Lower Upper
106 100
91 227.0 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069926.D
Acq: 9 Dec 2021 21:26

Tgt Ion:152 Resp: 1048773
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.6 0.0 344.4





#73

Isopropylbenzene

Concen: 0.821 ug/l

RT: 12.578 min Scan# 3949

Delta R.T. -0.003 min

Lab File: VN069926.D

Acq: 9 Dec 2021 21:26

Instrument :

MSVOA_N

ClientSampleId :

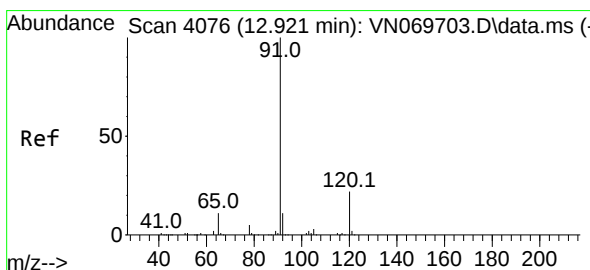
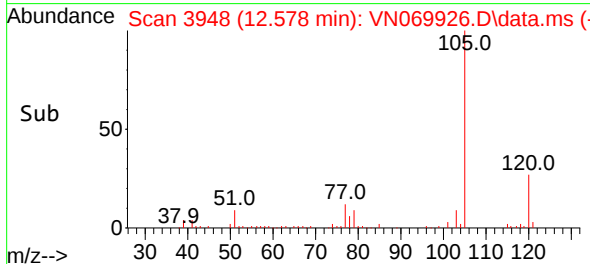
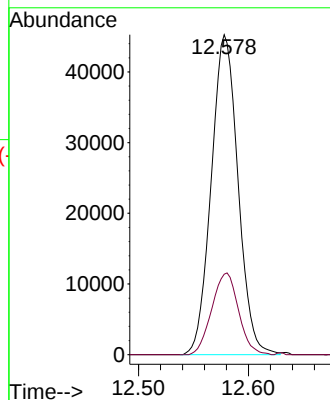
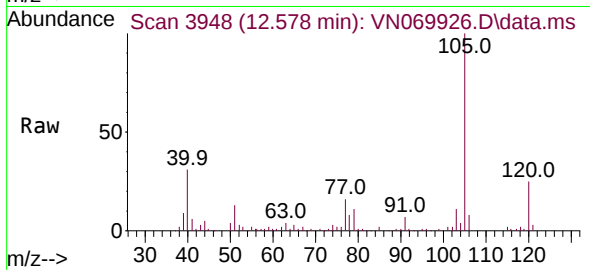
MW-18

Tgt Ion:105 Resp: 76606

Ion Ratio Lower Upper

105 100

120 25.5 13.4 40.1



#78

n-propylbenzene

Concen: 0.732 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.000 min

Lab File: VN069926.D

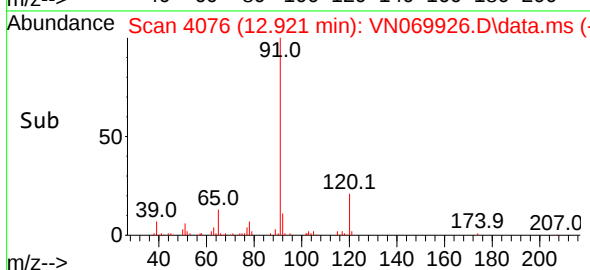
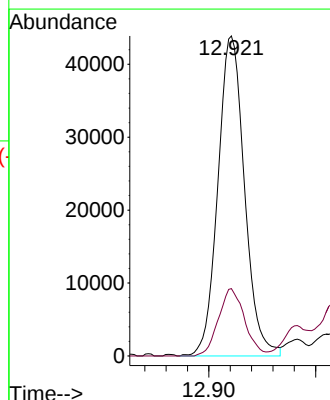
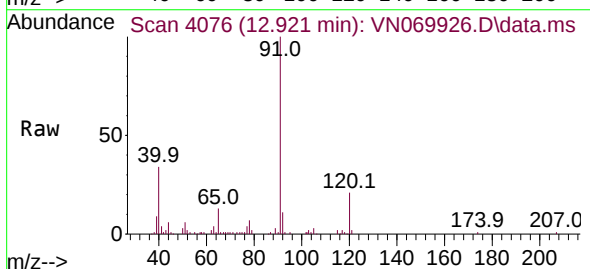
Acq: 9 Dec 2021 21:26

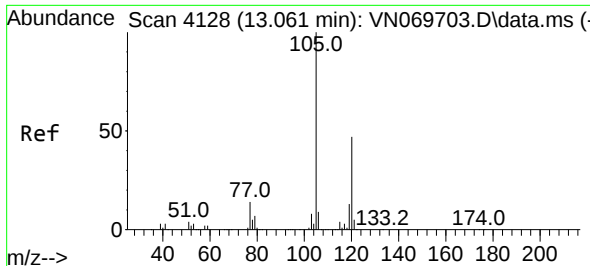
Tgt Ion: 91 Resp: 76011

Ion Ratio Lower Upper

91 100

120 20.7 11.9 35.9

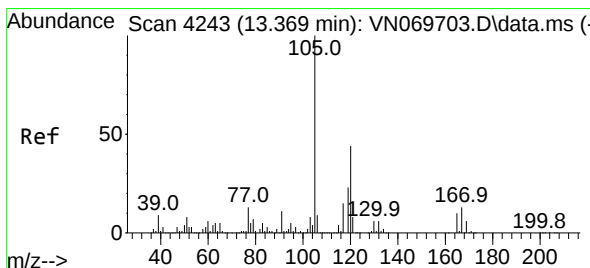
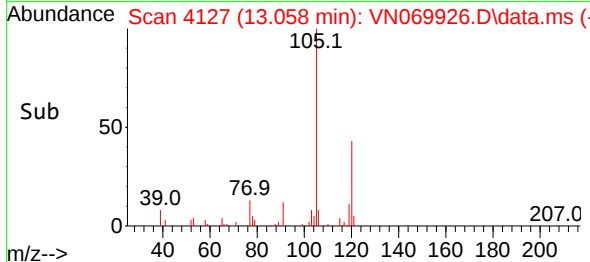
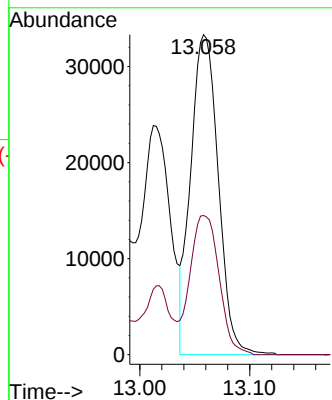
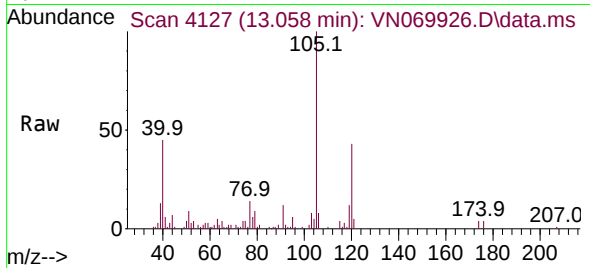




#80
 1,3,5-Trimethylbenzene
 Concen: 0.773 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.003 min
 Lab File: VN069926.D
 Acq: 9 Dec 2021 21:26

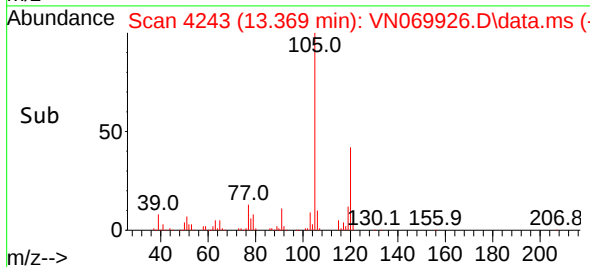
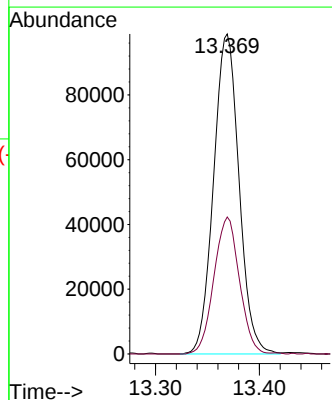
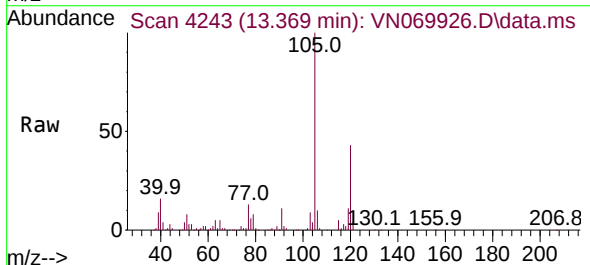
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

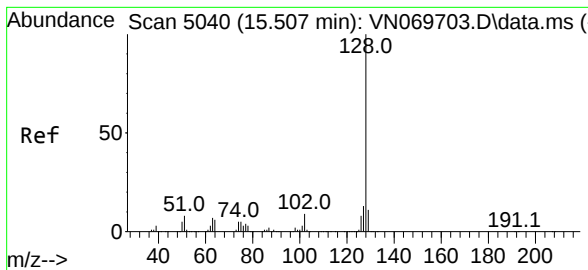
Tgt Ion:105 Resp: 58089
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.350 ug/l
 RT: 13.369 min Scan# 4243
 Delta R.T. 0.000 min
 Lab File: VN069926.D
 Acq: 9 Dec 2021 21:26

Tgt Ion:105 Resp: 168079
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.8 68.4





#95
 Naphthalene
 Concen: 5.253 ug/l
 RT: 15.507 min Scan# 50
 Delta R.T. -0.000 min
 Lab File: VN069926.D
 Acq: 9 Dec 2021 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-18

Tgt Ion:	128	Resp:	70589
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.3	8.7	13.1

