

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068099.D
 Acq On : 12 Aug 2021 19:07
 Operator : JC/MD
 Sample : M3361-13 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41943

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 10:56:42 AM

Quant Time: Aug 13 05:46:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	294394	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	565844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	569742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	210148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229726	55.121	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.240%			
35) Dibromofluoromethane	8.024	113	175531	53.229	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.460%			
50) Toluene-d8	10.443	98	718588	47.432	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.733	95	252080	45.725	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.440%			
Target Compounds						
						Qvalue
16) Acetone	4.307	43	7934m	5.217	ug/l	
19) Methyl tert-butyl Ether	5.632	73	6514m	0.622	ug/l	
22) Diisopropyl ether	6.503	45	4999	0.475	ug/l	# 89
25) 2-Butanone	7.353	43	2763	1.252	ug/l	# 84
37) Ethyl Acetate	7.428	43	6133m	1.245	ug/l	
40) Benzene	8.458	78	27324	1.763	ug/l	96
52) Toluene	10.510	92	48313	4.798	ug/l	95
67) Ethyl Benzene	11.848	91	7574	0.367	ug/l	94
68) m/p-Xylenes	11.956	106	9769	5.102	ug/l	96
69) o-Xylene	12.283	106	7337	0.967	ug/l	84
80) 1,3,5-Trimethylbenzene	13.061	105	4597	0.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.372	105	22416	1.665	ug/l	98
95) Naphthalene	15.509	128	12486	4.456	ug/l	# 93

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

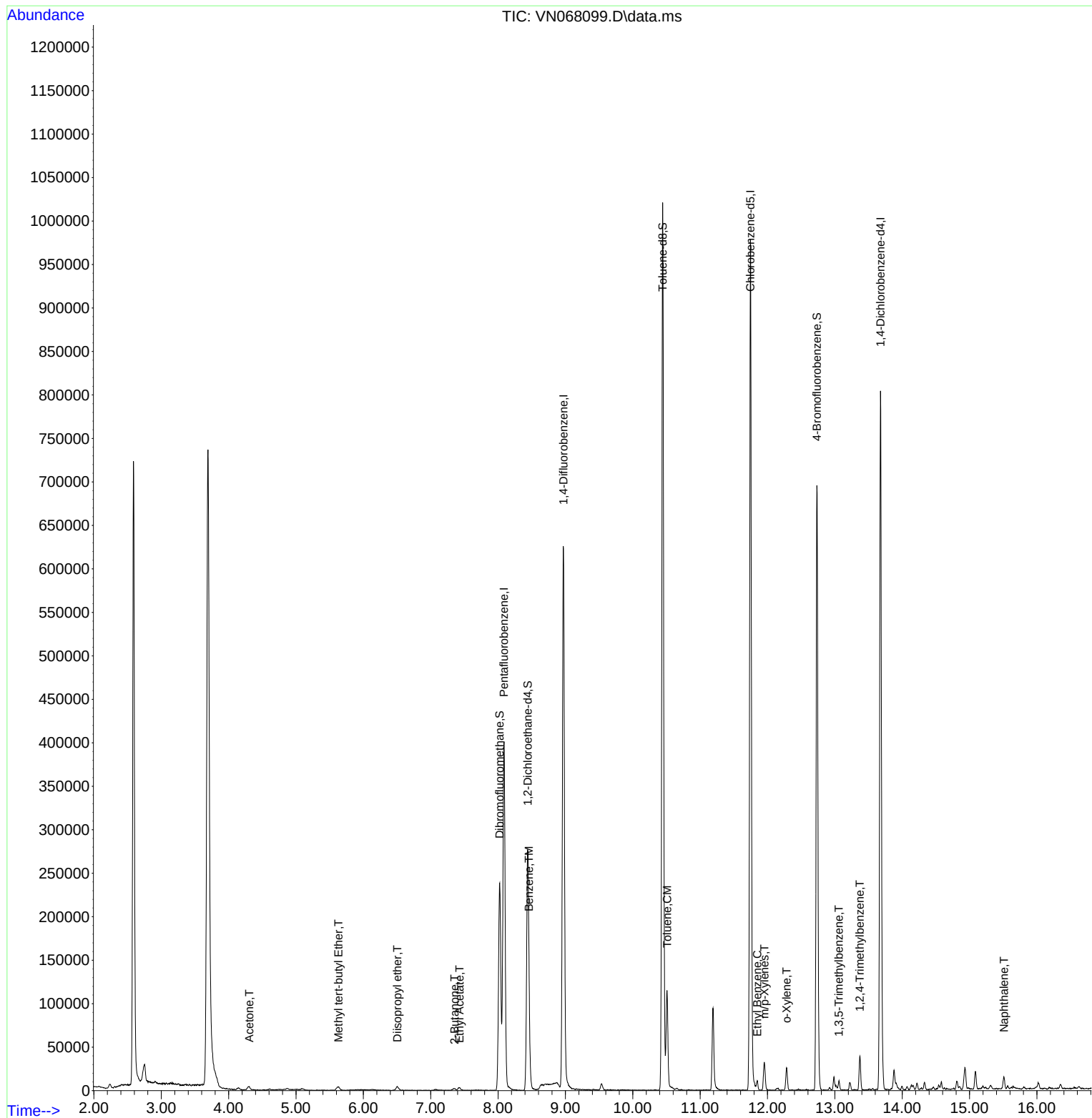
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
Data File : VN068099.D
Acq On : 12 Aug 2021 19:07
Operator : JC/MD
Sample : M3361-13 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

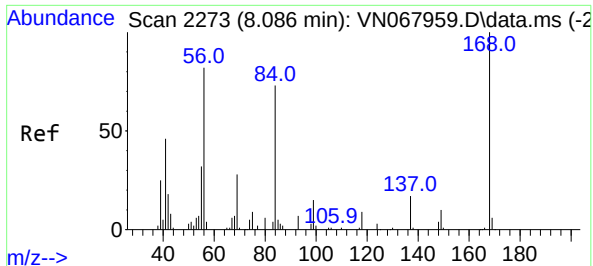
Instrument :
MSVOA_N
ClientSampleId :
41943

Manual Integrations
APPROVED

MMDadoda
8/13/2021 10:56:42 AM

Quant Time: Aug 13 05:46:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





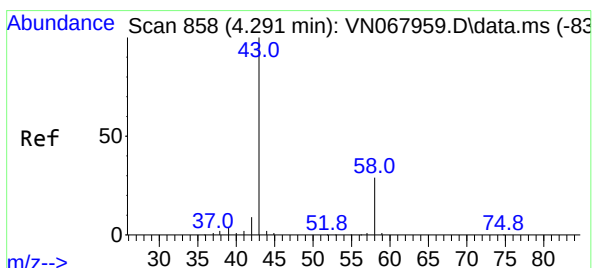
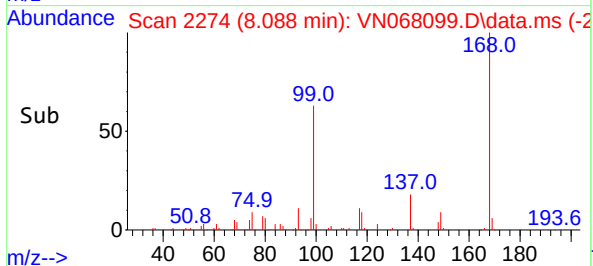
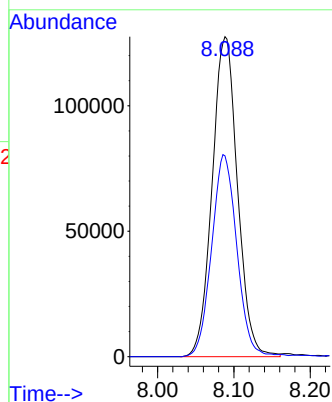
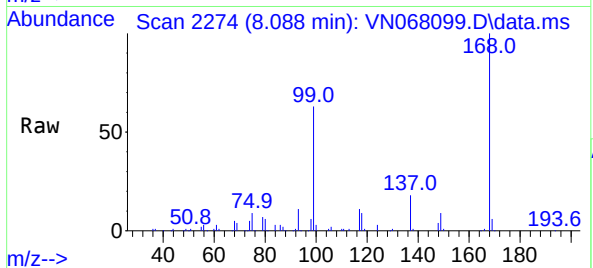
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 168 Resp: 294394
Ion Ratio Lower Upper
168 100
99 62.7 62.9 94.3#

Instrument :
MSVOA_N
ClientSampled :
41943

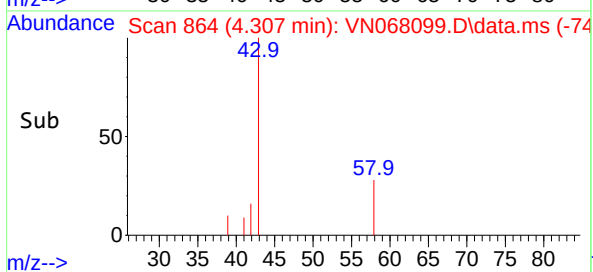
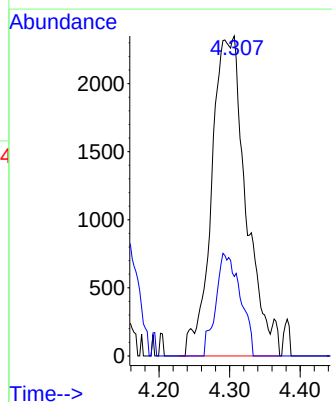
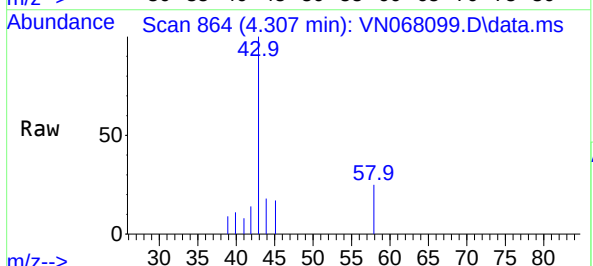
Manual Integrations
APPROVED

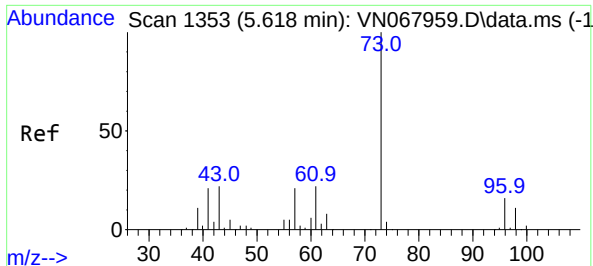
MMDadoda
8/13/2021 10:56:42 AM



#16
Acetone
Concen: 5.217 ug/l m
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 43 Resp: 7934
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8





#19

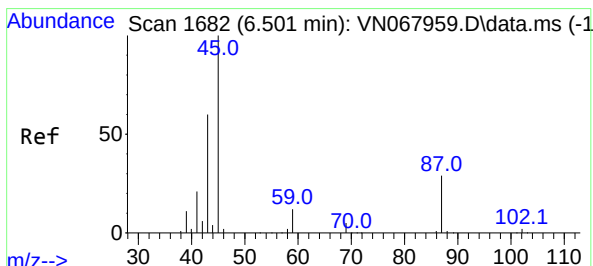
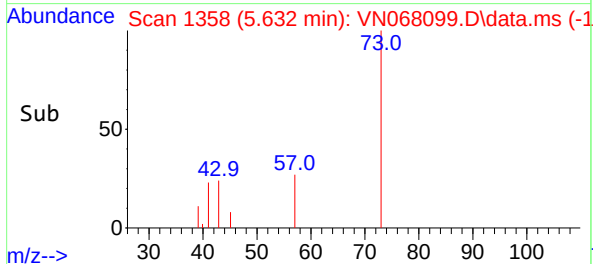
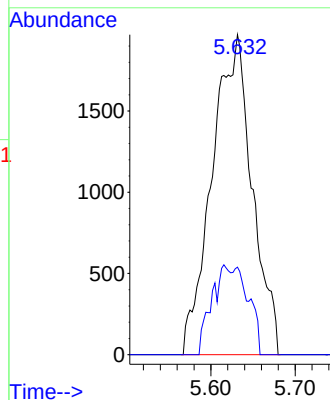
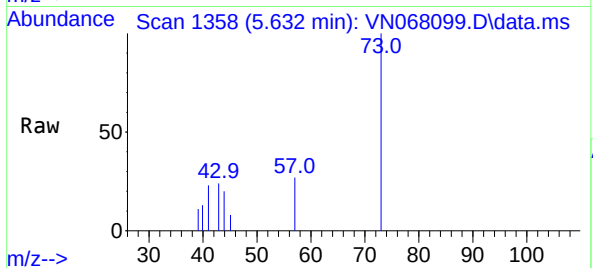
Methyl tert-butyl Ether
Concen: 0.622 ug/l m
RT: 5.632 min Scan# 1358
Delta R.T. 0.013 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 73 Resp: 6514
Ion Ratio Lower Upper
73 100
57 27.4 17.0 25.6#

Instrument :
MSVOA_N
ClientSampled :
41943

Manual Integrations
APPROVED

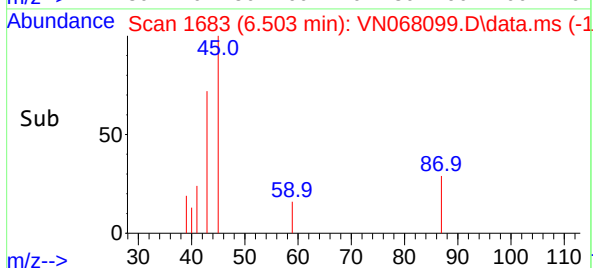
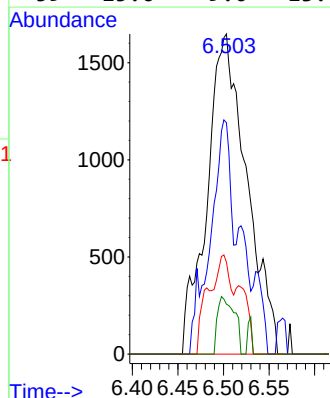
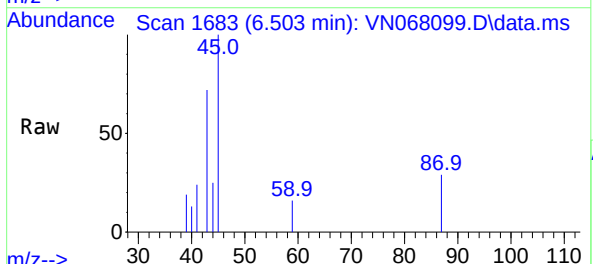
MMDadoda
8/13/2021 10:56:42 AM

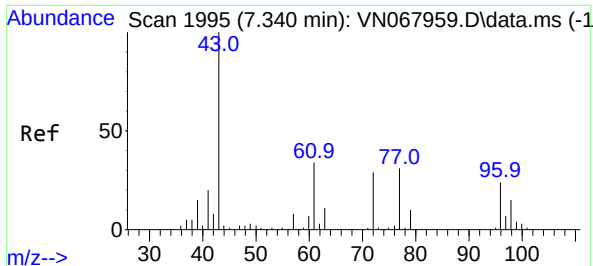


#22

Diisopropyl ether
Concen: 0.475 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.002 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 45 Resp: 4999
Ion Ratio Lower Upper
45 100
43 72.3 49.4 74.2
87 28.7 20.9 31.3
59 15.6 9.0 13.4#





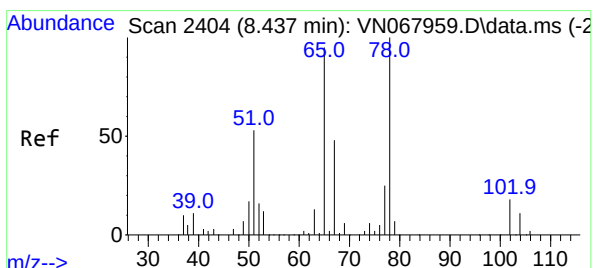
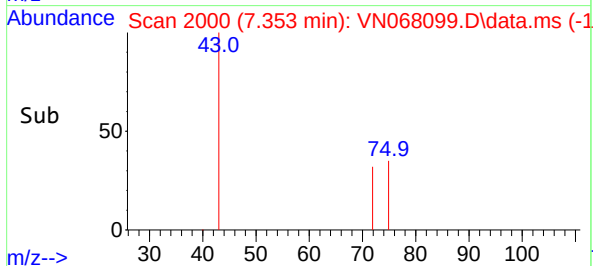
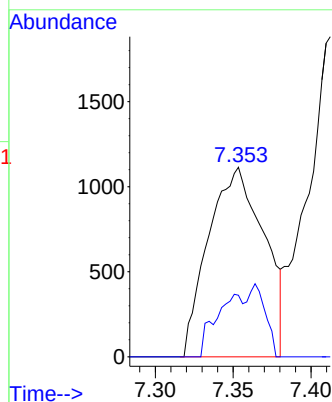
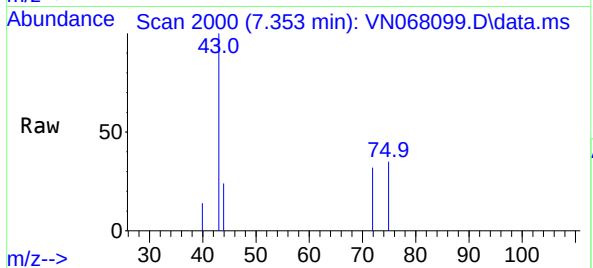
#25
2-Butanone
Concen: 1.252 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 43 Resp: 2763
Ion Ratio Lower Upper
43 100
72 32.5 19.7 29.5#

Instrument :
MSVOA_N
ClientSampled :
41943

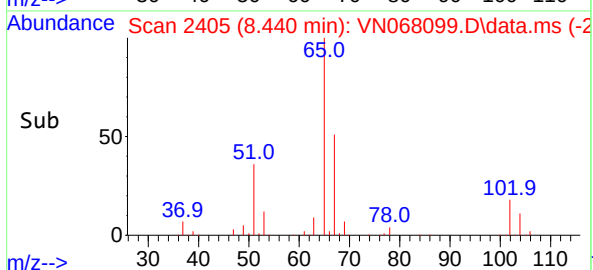
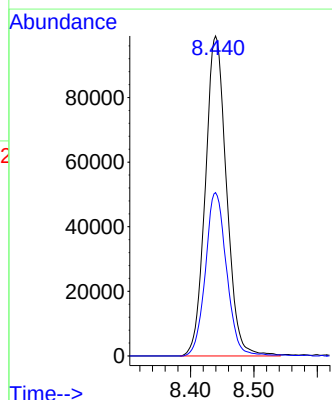
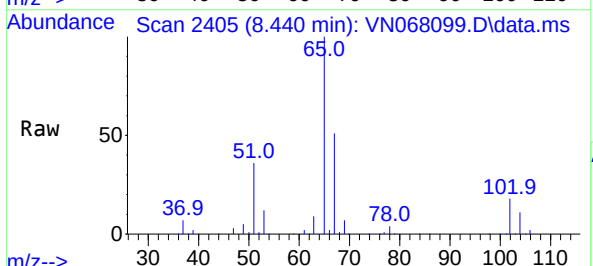
Manual Integrations
APPROVED

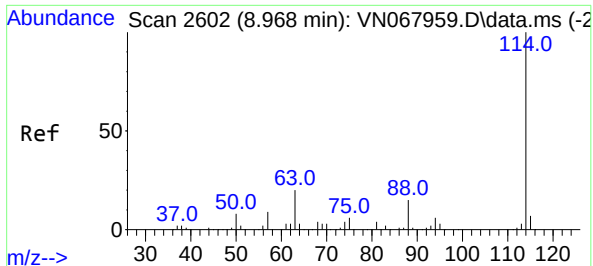
MMDadoda
8/13/2021 10:56:42 AM



#33
1,2-Dichloroethane-d4
Concen: 55.121 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 65 Resp: 229726
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6





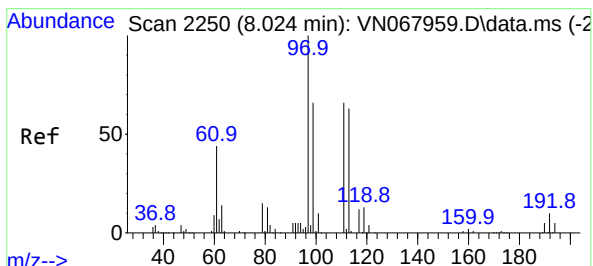
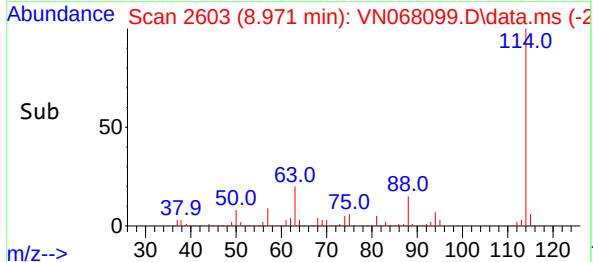
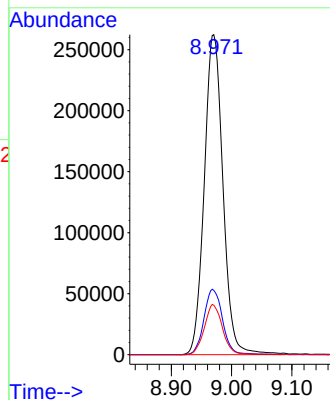
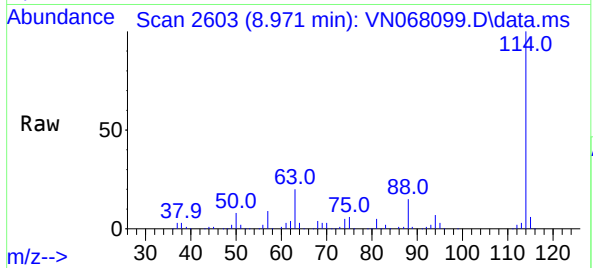
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion:114 Resp: 565844
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 15.5 0.0 36.6

Instrument :
MSVOA_N
ClientSampled :
41943

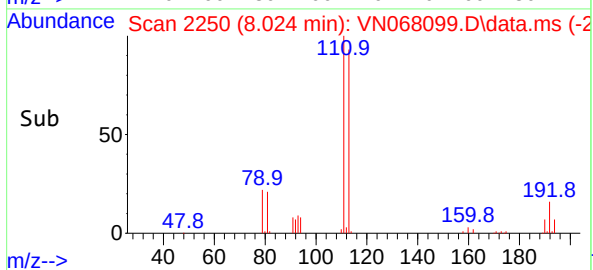
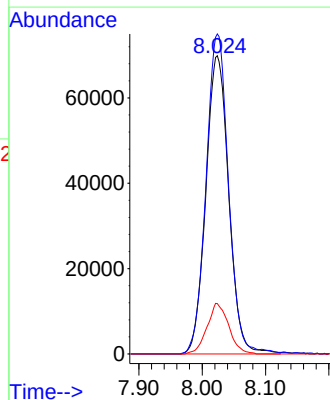
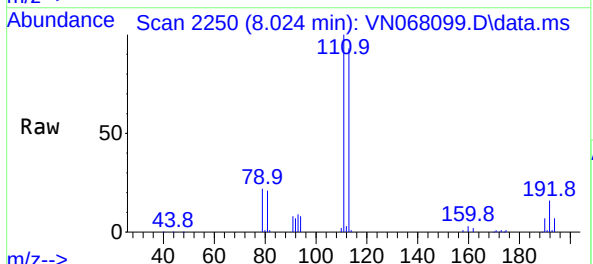
Manual Integrations
APPROVED

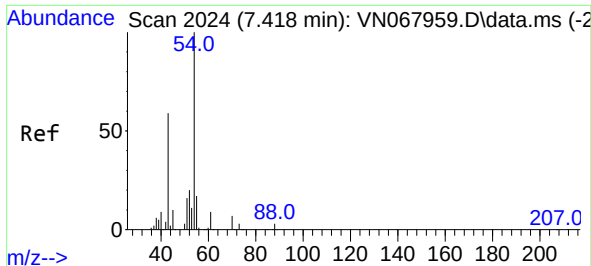
MMDadoda
8/13/2021 10:56:42 AM



#35
Dibromofluoromethane
Concen: 53.229 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

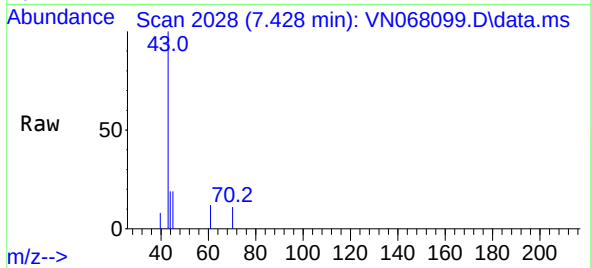
Tgt Ion:113 Resp: 175531
Ion Ratio Lower Upper
113 100
111 104.5 83.8 125.8
192 16.1 13.4 20.0





#37
Ethyl Acetate
Concen: 1.245 ug/l m
RT: 7.428 min Scan# 2028
Delta R.T. 0.010 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

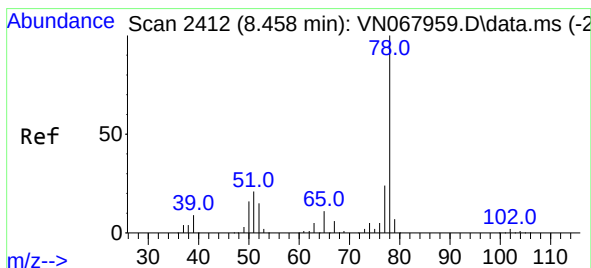
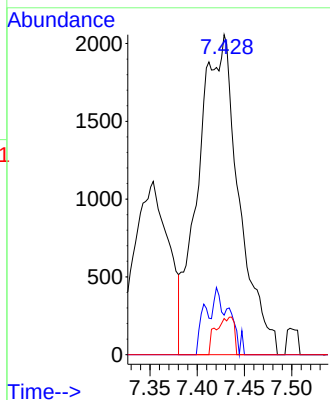
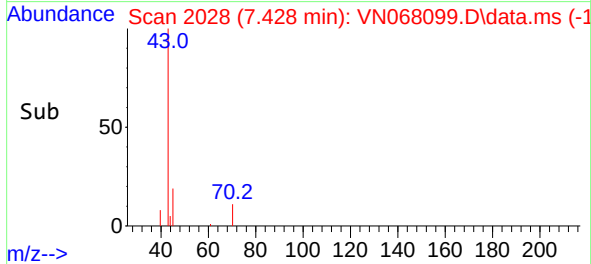
Instrument :
MSVOA_N
ClientSampled :
41943



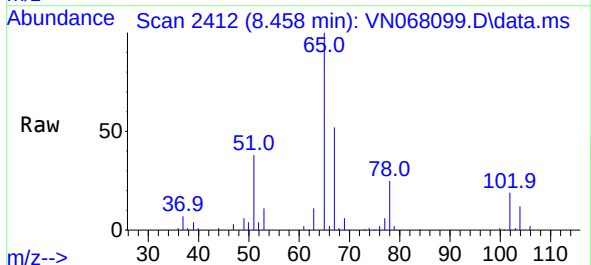
Tgt Ion: 43 Resp: 6133
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#

Manual Integrations
APPROVED

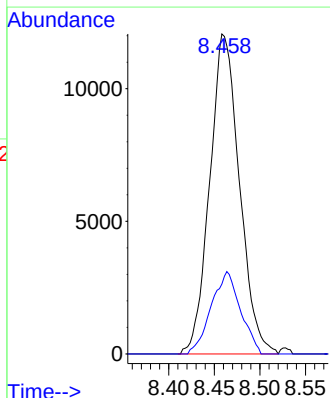
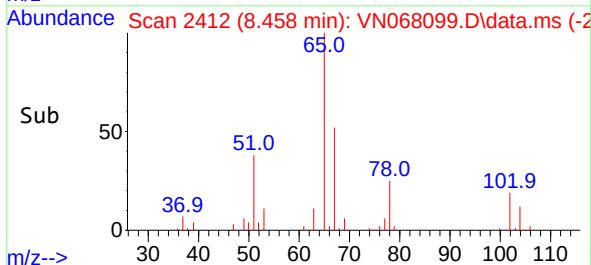
MMDadoda
8/13/2021 10:56:42 AM

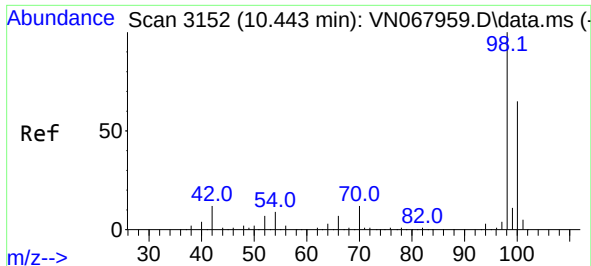


#40
Benzene
Concen: 1.763 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07



Tgt Ion: 78 Resp: 27324
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3





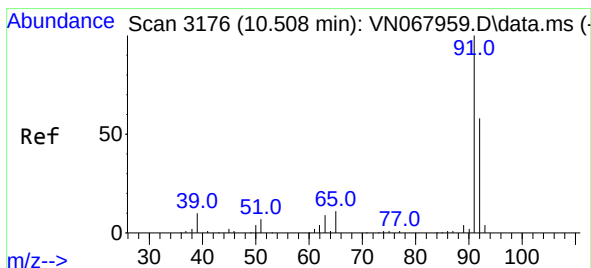
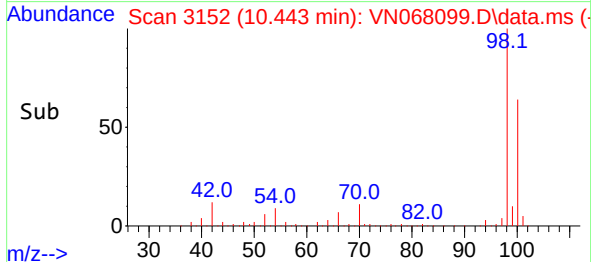
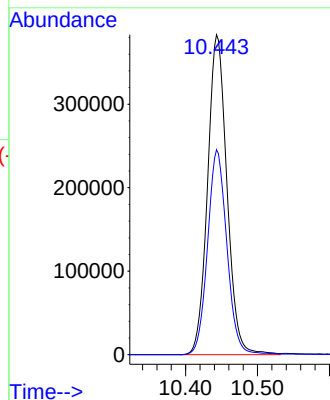
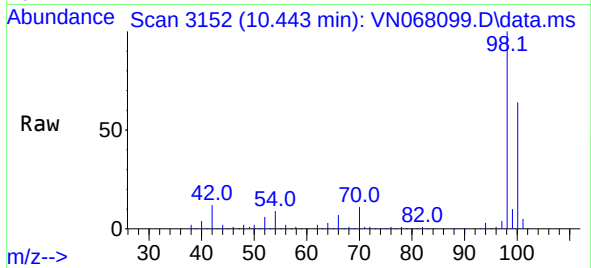
#50
Toluene-d8
Concen: 47.432 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion: 98 Resp: 718588
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

Instrument :
MSVOA_N
ClientSampled :
41943

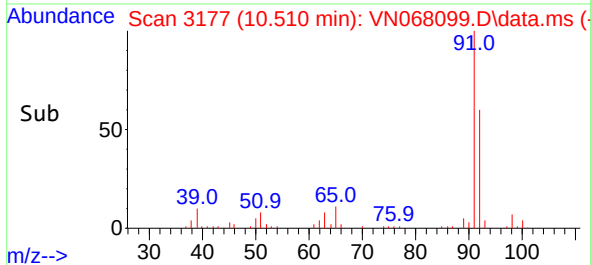
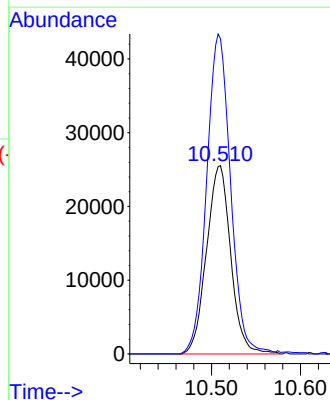
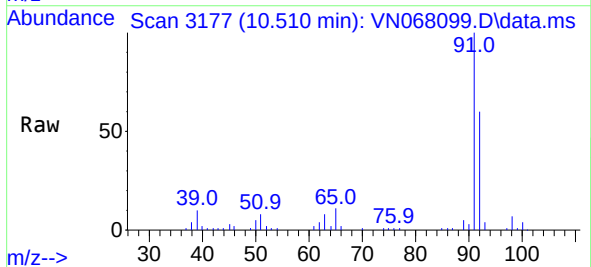
Manual Integrations
APPROVED

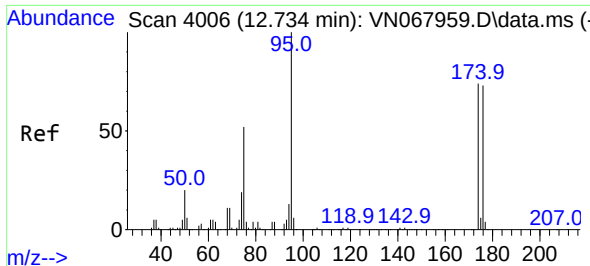
MMDadoda
8/13/2021 10:56:42 AM



#52
Toluene
Concen: 4.798 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.002 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

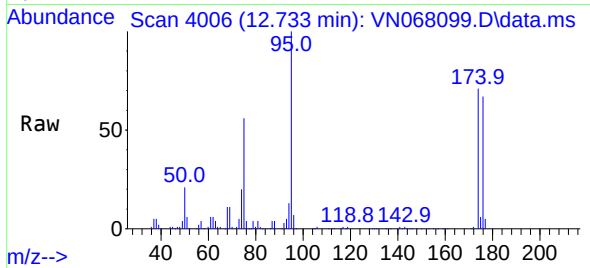
Tgt Ion: 92 Resp: 48313
Ion Ratio Lower Upper
92 100
91 167.1 139.6 209.4





#62
4-Bromofluorobenzene
Concen: 45.725 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

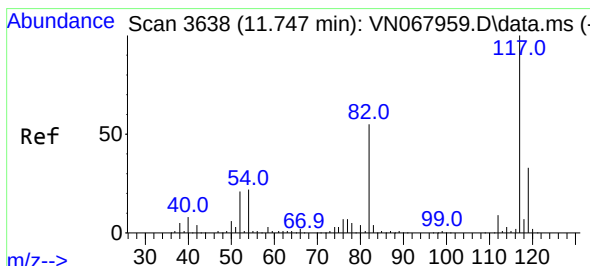
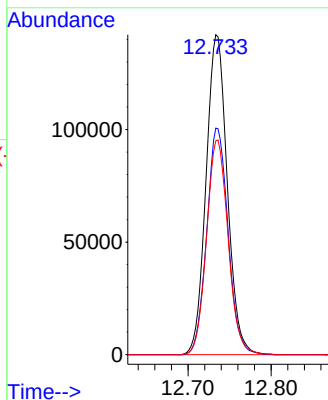
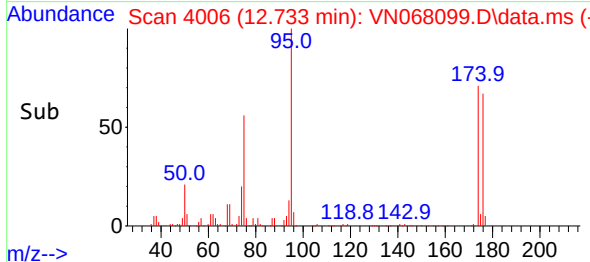
Instrument :
MSVOA_N
ClientSampled :
41943



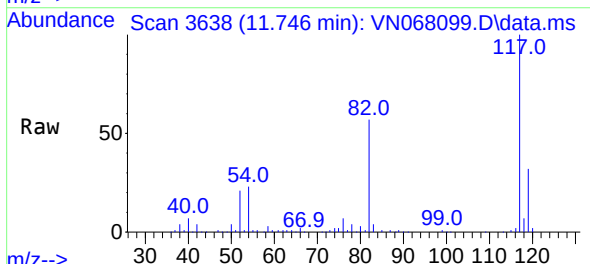
Tgt Ion: 95 Resp: 252080
Ion Ratio Lower Upper
95 100
174 71.4 0.0 122.0
176 68.0 0.0 117.6

Manual Integrations
APPROVED

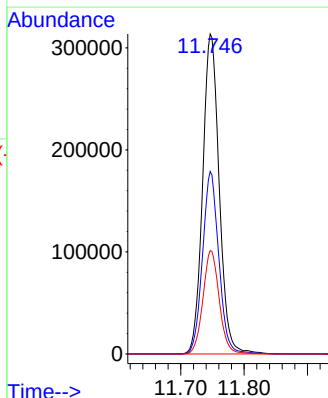
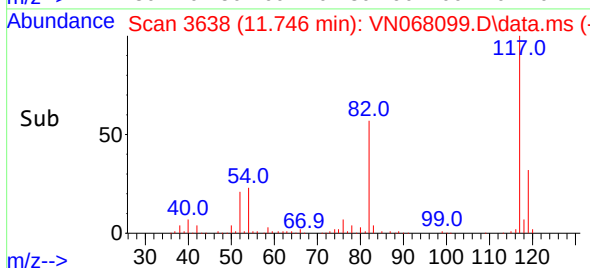
MMDadoda
8/13/2021 10:56:42 AM

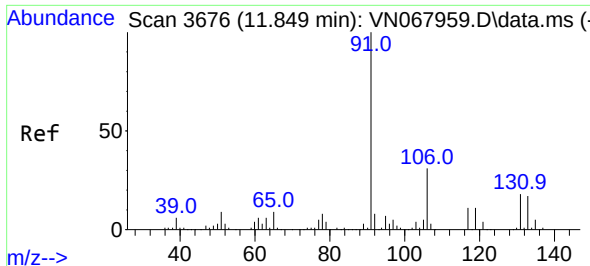


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07



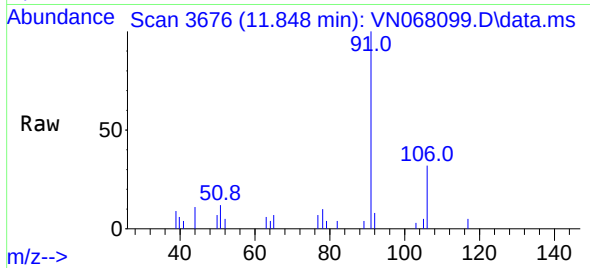
Tgt Ion: 117 Resp: 569742
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.3 25.5 38.3





#67
Ethyl Benzene
Concen: 0.367 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. -0.001 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

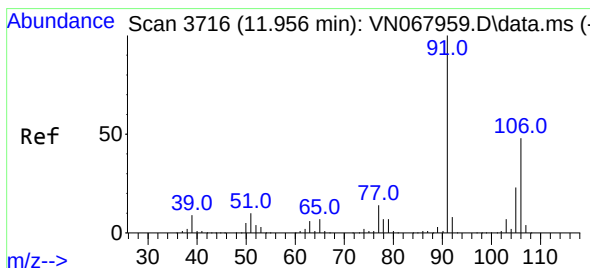
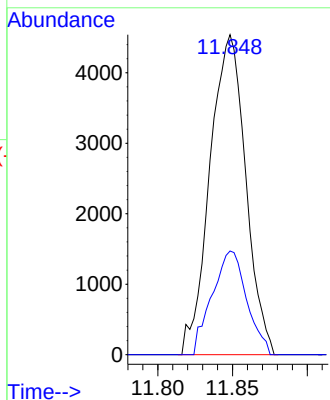
Instrument :
MSVOA_N
ClientSampled :
41943



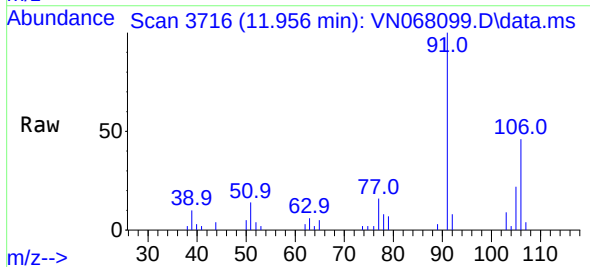
Tgt Ion: 91 Resp: 7574
Ion Ratio Lower Upper
91 100
106 32.4 23.4 35.0

Manual Integrations
APPROVED

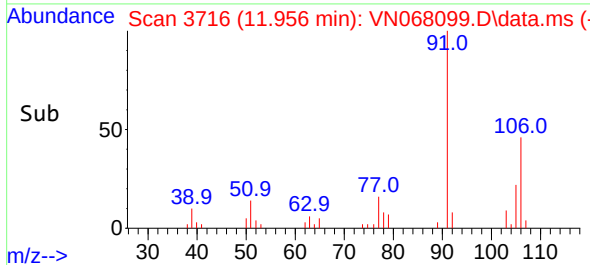
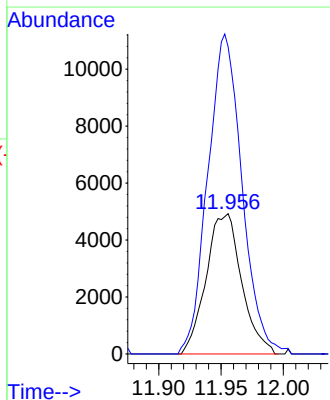
MMDadoda
8/13/2021 10:56:42 AM

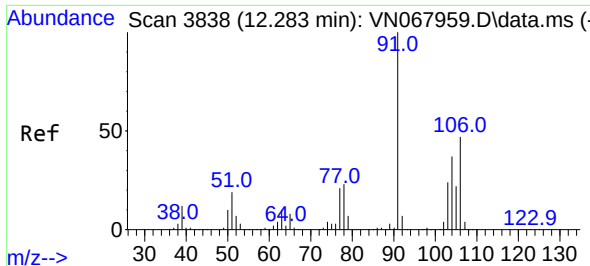


#68
m/p-Xylenes
Concen: 5.102 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07



Tgt Ion: 106 Resp: 9769
Ion Ratio Lower Upper
106 100
91 219.7 180.6 270.8





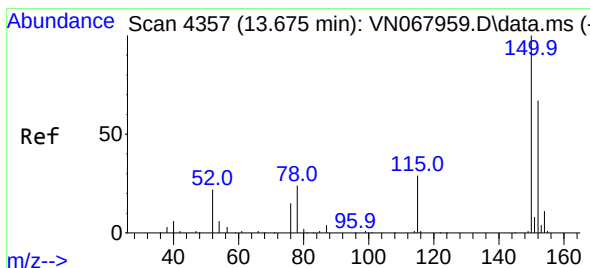
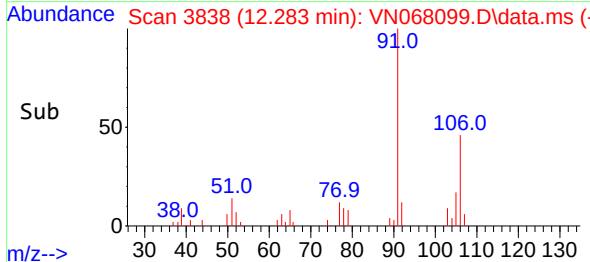
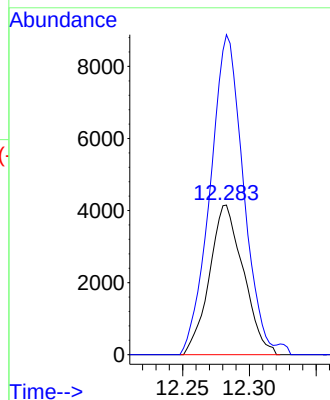
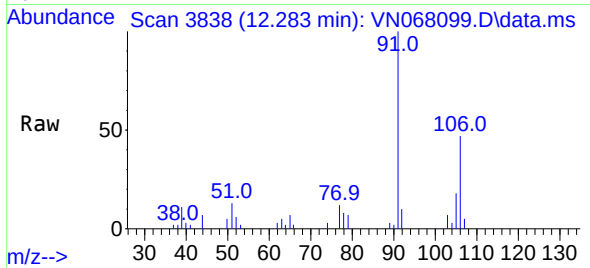
#69
o-Xylene
Concen: 0.967 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion:106 Resp: 7337
Ion Ratio Lower Upper
106 100
91 209.0 118.3 354.9

Instrument :
MSVOA_N
ClientSampled :
41943

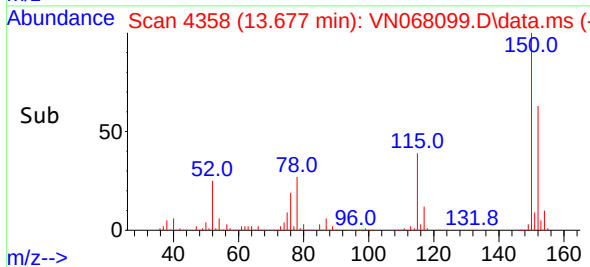
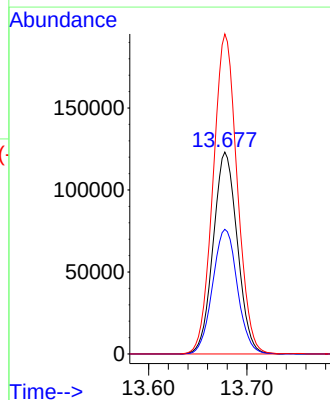
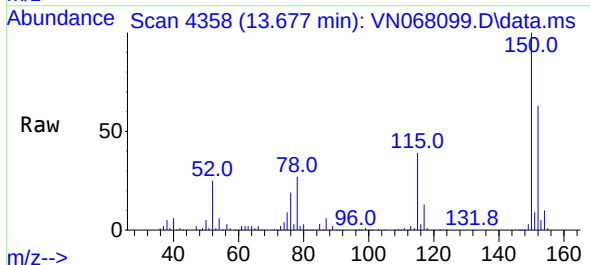
Manual Integrations
APPROVED

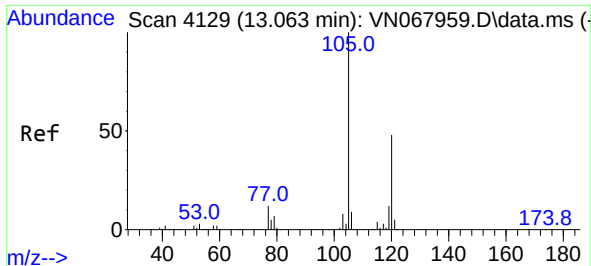
MMDadoda
8/13/2021 10:56:42 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion:152 Resp: 210148
Ion Ratio Lower Upper
152 100
115 63.5 36.1 108.5
150 158.5 0.0 351.8





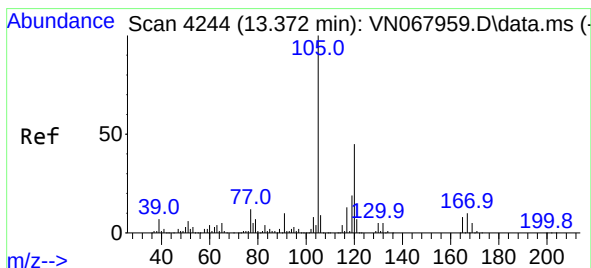
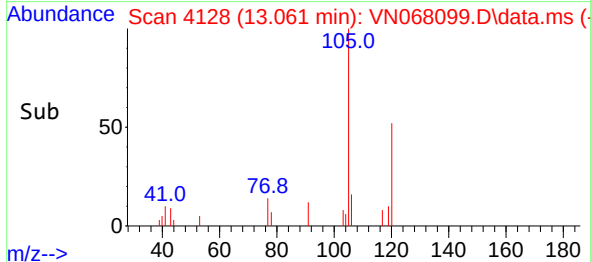
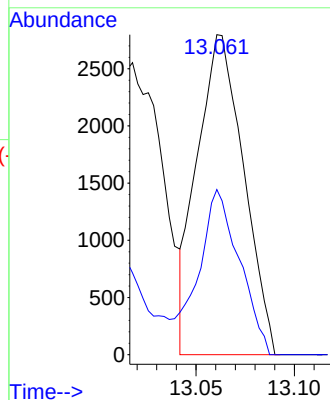
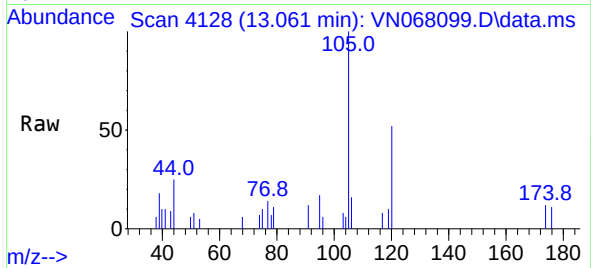
#80
1,3,5-Trimethylbenzene
Concen: 0.331 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion:105 Resp: 4597
Ion Ratio Lower Upper
105 100
120 45.4 22.2 66.6

Instrument :
MSVOA_N
ClientSampled :
41943

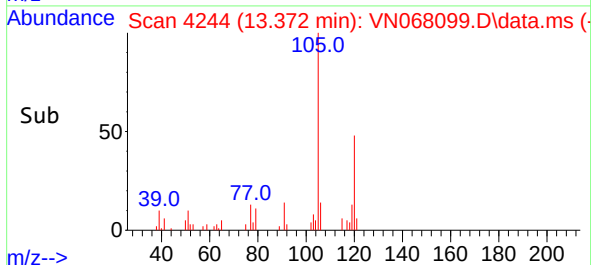
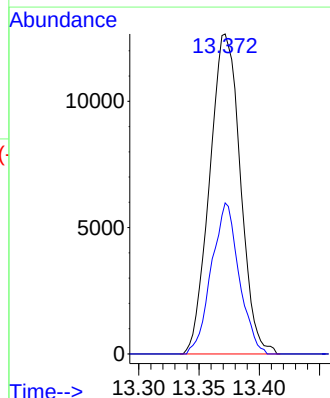
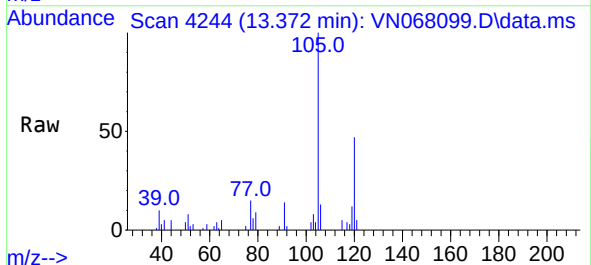
Manual Integrations
APPROVED

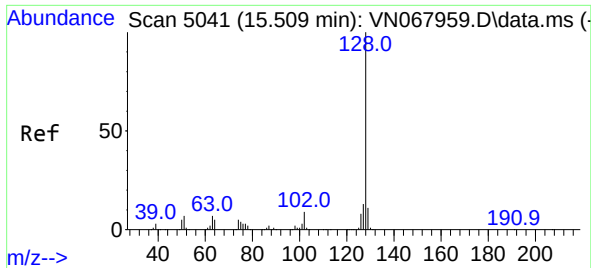
MMDadoda
8/13/2021 10:56:42 AM



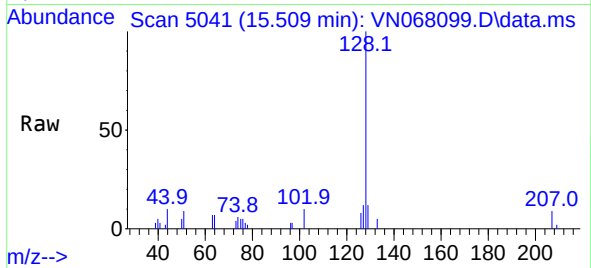
#84
1,2,4-Trimethylbenzene
Concen: 1.665 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. -0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07

Tgt Ion:105 Resp: 22416
Ion Ratio Lower Upper
105 100
120 42.5 20.6 61.8

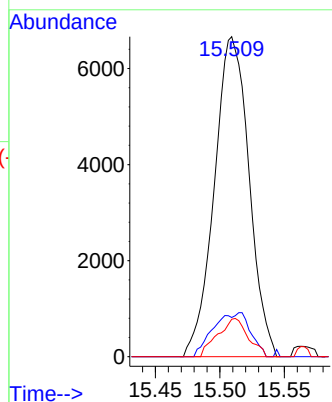
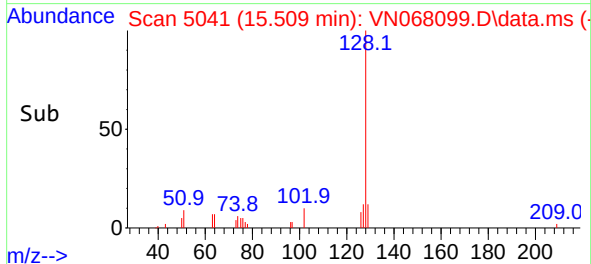




#95
Naphthalene
Concen: 4.456 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068099.D
Acq: 12 Aug 2021 19:07



Tgt Ion:128 Resp: 12486
Ion Ratio Lower Upper
128 100
127 8.1 10.6 15.8#
129 10.4 8.6 12.8



Instrument :
MSVOA_N
ClientSampleId :
41943

Manual Integrations
APPROVED

MMDadoda
8/13/2021 10:56:42 AM