

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069967.D
 Acq On : 10 Dec 2021 18:57
 Operator : JC/MD
 Sample : M4969-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/11/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 11 05:23:14 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	1132434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2115250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2485434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1218378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	884145	50.567	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.140%			
35) Dibromofluoromethane	8.024	113	647064	48.837	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.680%			
50) Toluene-d8	10.440	98	2835081	53.290	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.731	95	1312331	68.090	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 136.180%#			
Target Compounds					Qvalue	
16) Acetone	4.291	43	82831	7.875	ug/l #	88
31) Cyclohexane	8.096	56	863478	35.486	ug/l	89
39) Methylcyclohexane	9.461	83	691149	28.856	ug/l	88
40) Benzene	8.461	78	9318464	151.397	ug/l	98
52) Toluene	10.505	92	111053	2.955	ug/l	98
67) Ethyl Benzene	11.843	91	407071	4.444	ug/l	95
68) m/p-Xylenes	11.948	106	186075	5.580	ug/l	92
69) o-Xylene	12.280	106	20449	0.609	ug/l	87
73) Isopropylbenzene	12.578	105	4746766	43.789	ug/l	98
78) n-propylbenzene	12.918	91	14926750	123.743	ug/l	98
80) 1,3,5-Trimethylbenzene	13.061	105	6798580	77.920	ug/l	97
84) 1,2,4-Trimethylbenzene	13.369	105	390197	4.696	ug/l	97
85) sec-Butylbenzene	13.500	105	708125	6.757	ug/l #	75
86) p-Isopropyltoluene	13.616	119	83632m	1.021	ug/l	
95) Naphthalene	15.507	128	11069869	175.084	ug/l	99

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

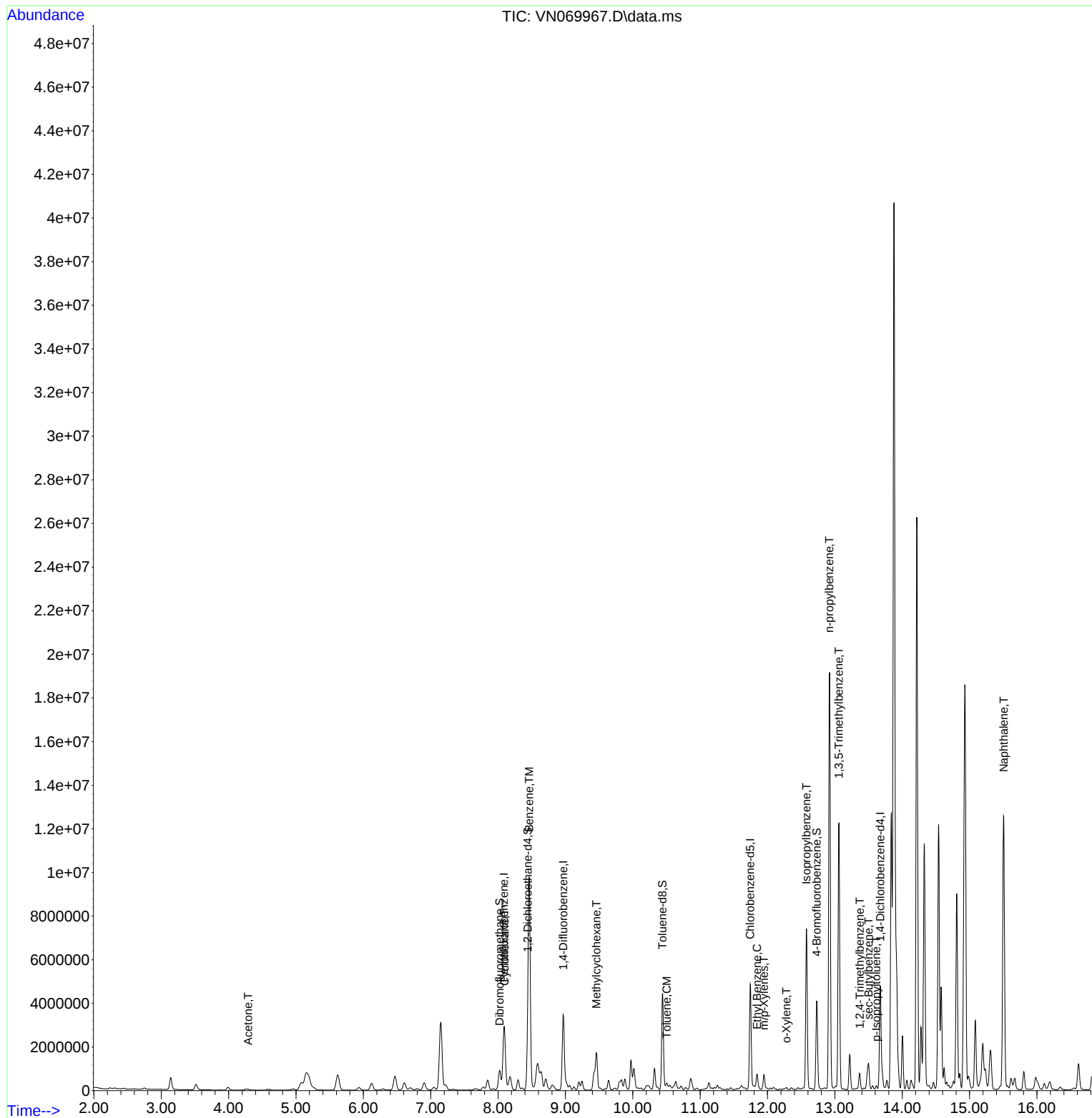
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Data File : VN069967.D
Acq On : 10 Dec 2021 18:57
Operator : JC/MD
Sample : M4969-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

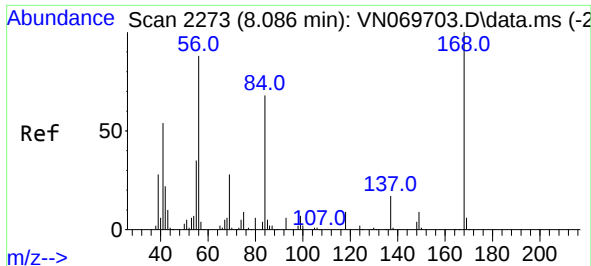
Instrument :
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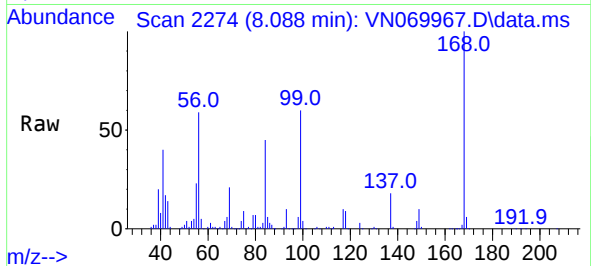
Quant Time: Dec 11 05:23:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

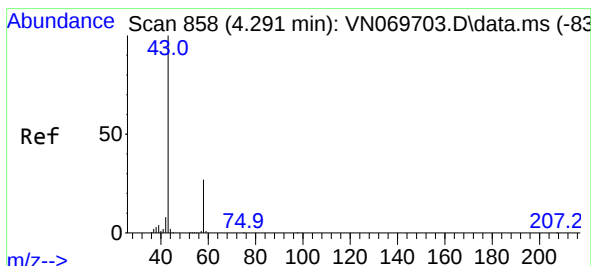
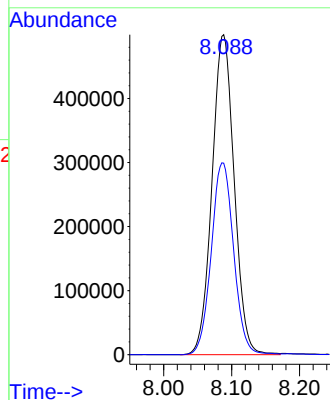
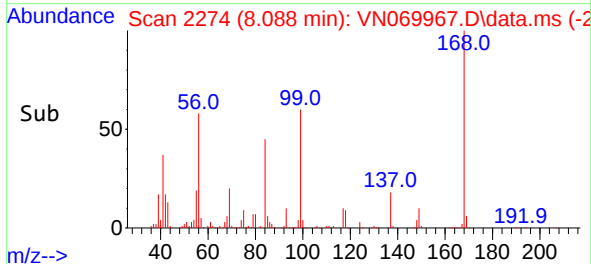
Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion:168 Resp: 1132434
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9

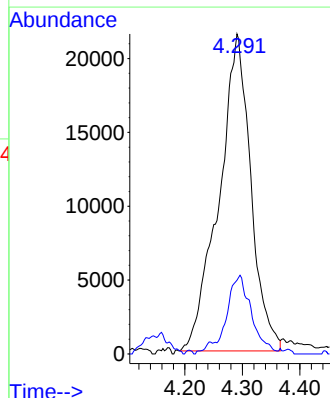
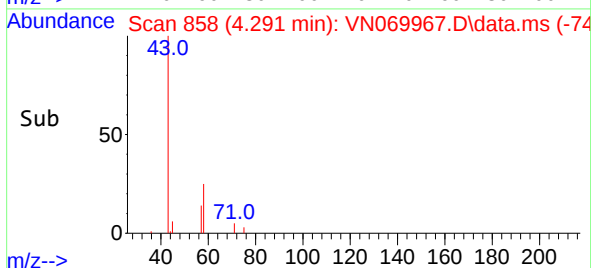
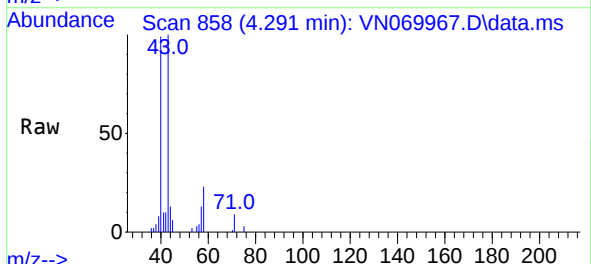
Manual Integrations
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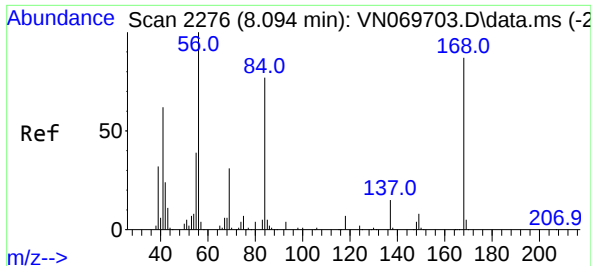
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021



#16
Acetone
Concen: 7.875 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

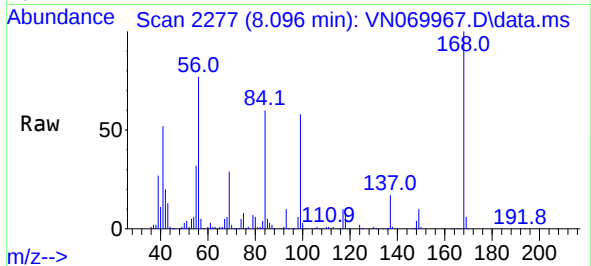
Tgt Ion: 43 Resp: 82831
Ion Ratio Lower Upper
43 100
58 22.3 23.1 34.7#





#31
Cyclohexane
Concen: 35.486 ug/l
RT: 8.096 min Scan# 210
Delta R.T. 0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

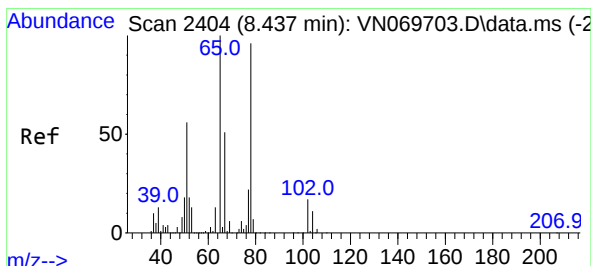
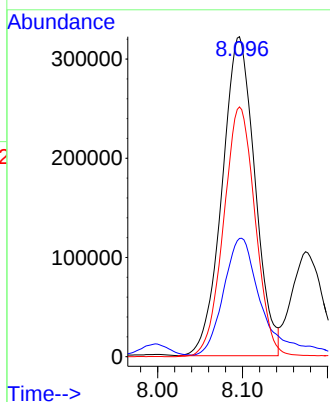
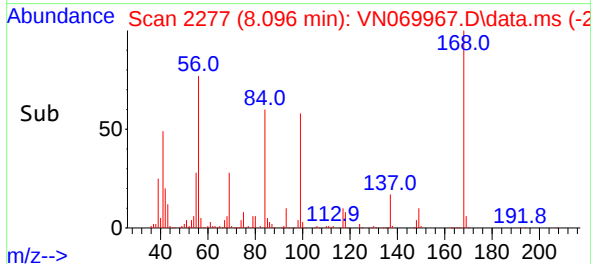
Instrument :
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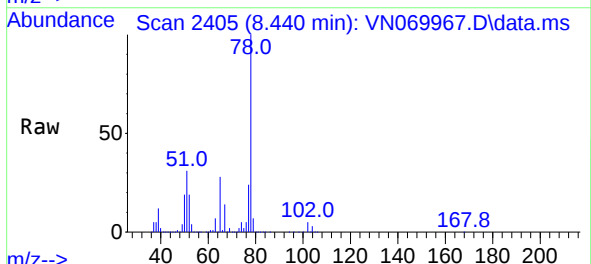
Tgt Ion: 56 Resp: 863478
Ion Ratio Lower Upper
56 100
69 35.9 27.1 40.7
84 78.3 73.4 110.0

Manual Integrations
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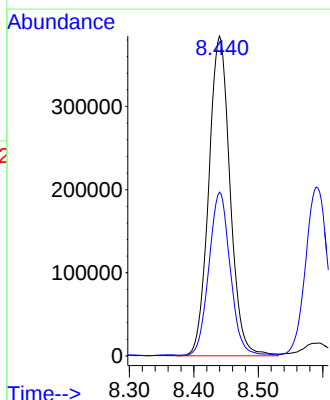
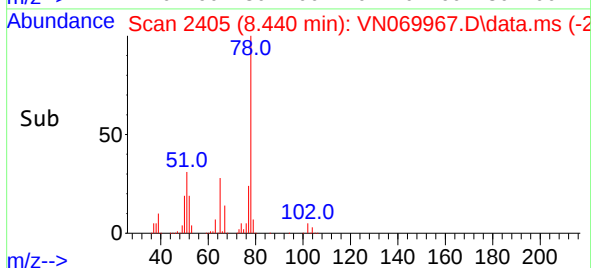
Reviewed By :John Carlone 12/11/2021
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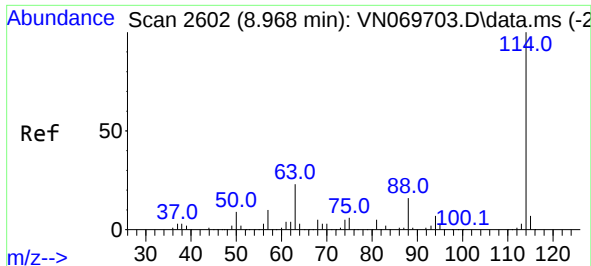


#33
1,2-Dichloroethane-d4
Concen: 50.567 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57



Tgt Ion: 65 Resp: 884145
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: VN069967.D
Acq: 10 Dec 2021 18:57

Instrument :

MSVOA_N

ClientSampleId :

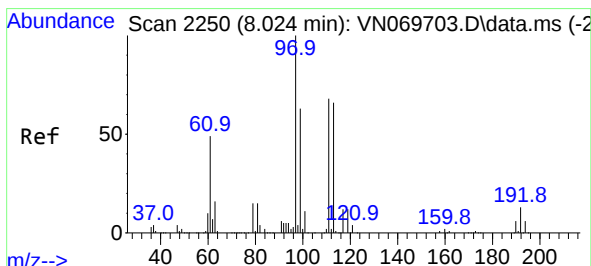
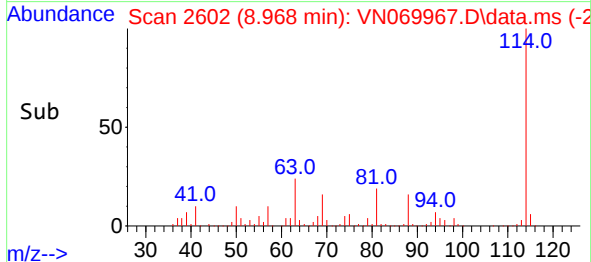
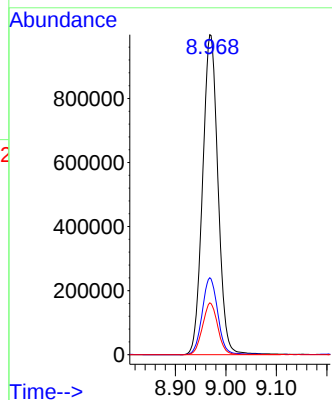
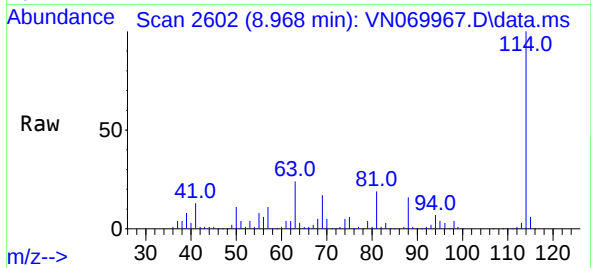
MW-6

Tgt Ion:114 Resp: 2115250
Ion Ratio Lower Upper
114 100
63 24.1 0.0 37.8
88 16.2 0.0 27.4

Manual Integrations

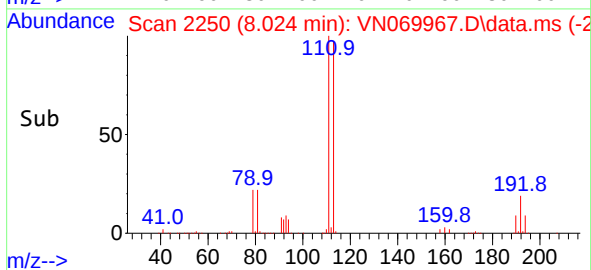
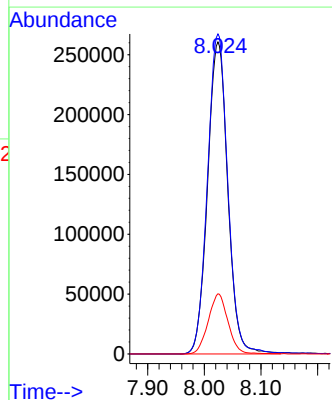
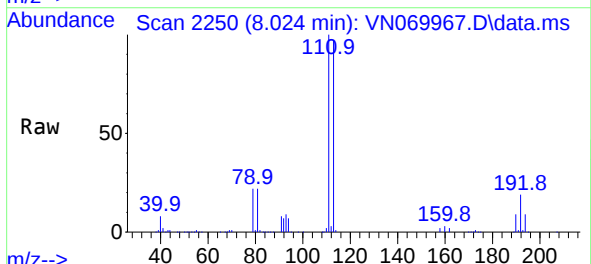
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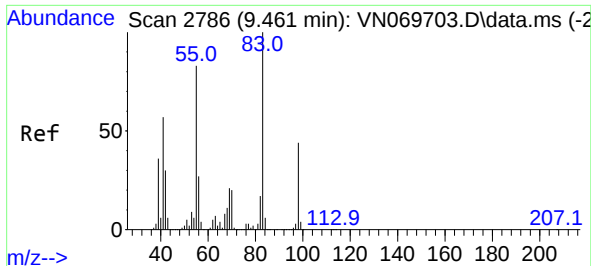
Reviewed By :John Carlone 12/11/2021
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#35
Dibromofluoromethane
Concen: 48.837 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

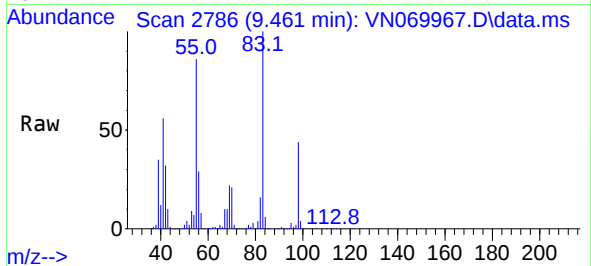
Tgt Ion:113 Resp: 647064
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.7 16.9 25.3





#39
Methylcyclohexane
Concen: 28.856 ug/l
RT: 9.461 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

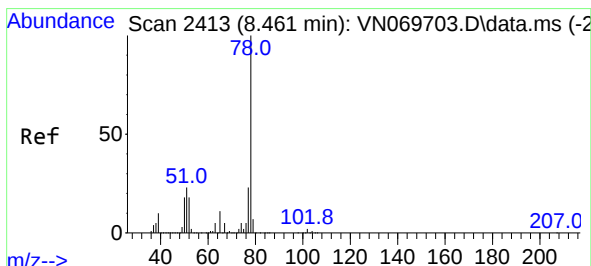
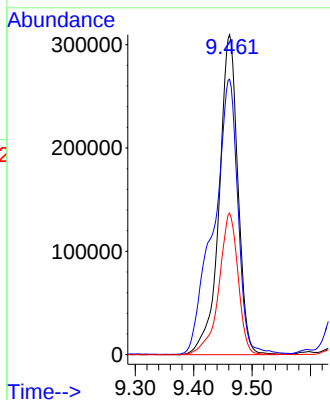
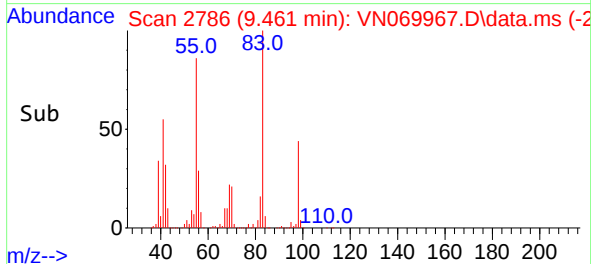
Instrument :
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ClientSampleId :
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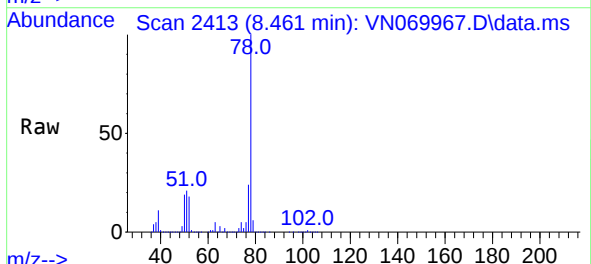
Tgt Ion: 83 Resp: 691149
Ion Ratio Lower Upper
83 100
55 85.9 58.1 87.1
98 44.3 38.4 57.6

Manual Integrations
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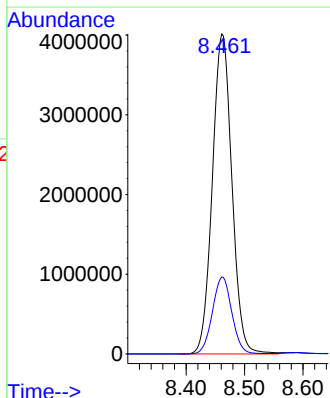
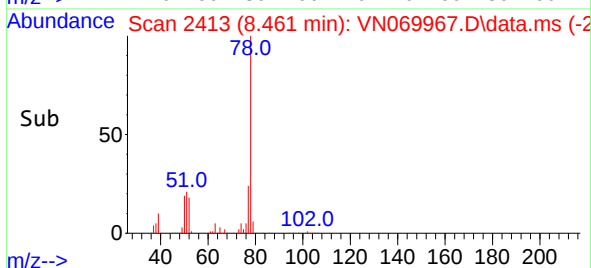
Reviewed By :John Carlone 12/11/2021
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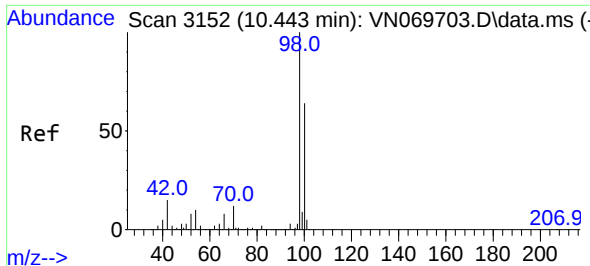


#40
Benzene
Concen: 151.397 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57



Tgt Ion: 78 Resp: 9318464
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8





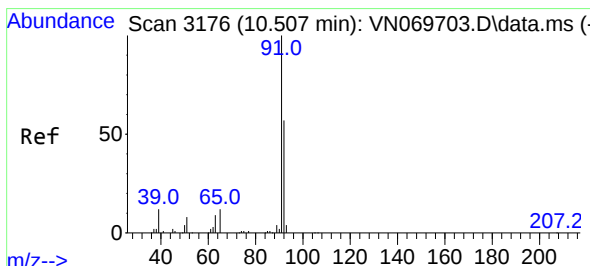
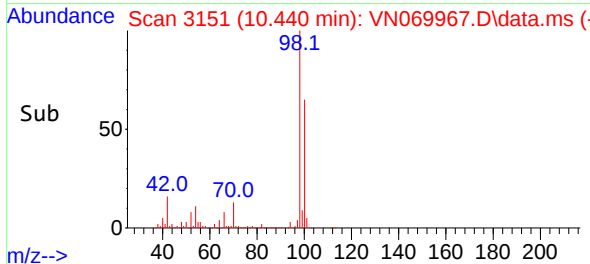
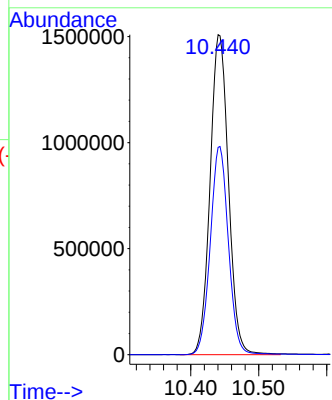
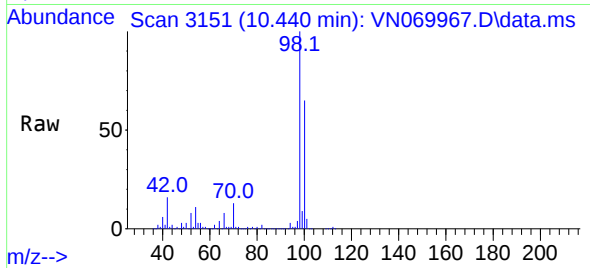
#50
Toluene-d8
Concen: 53.290 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 98 Resp: 283508
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

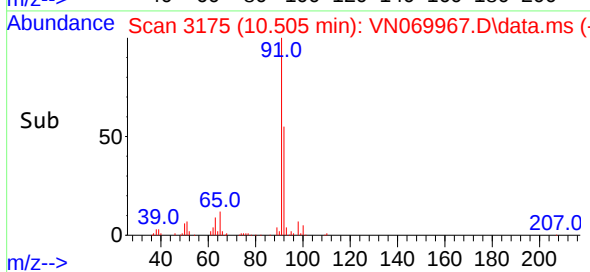
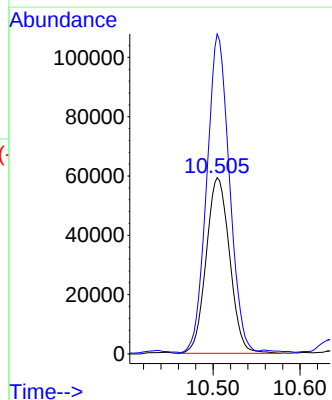
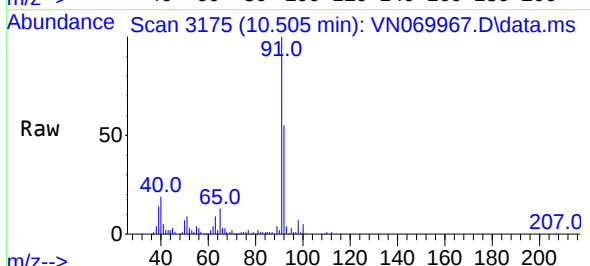
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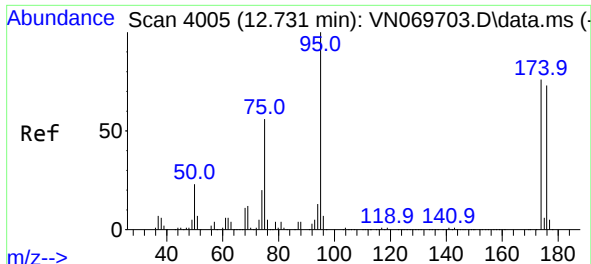
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021



#52
Toluene
Concen: 2.955 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

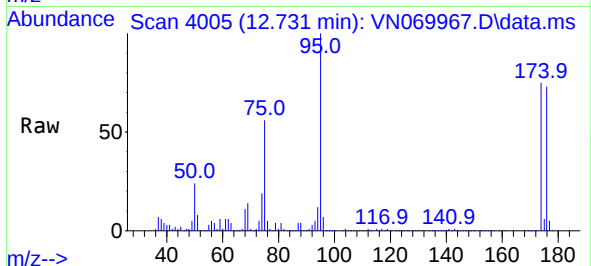
Tgt Ion: 92 Resp: 111053
Ion Ratio Lower Upper
92 100
91 174.6 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 68.090 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

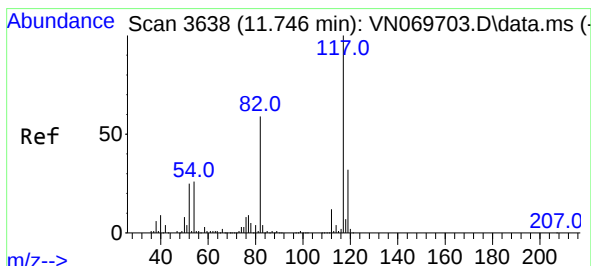
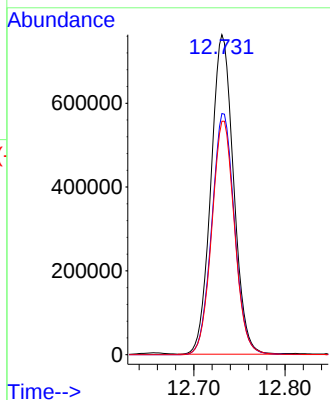
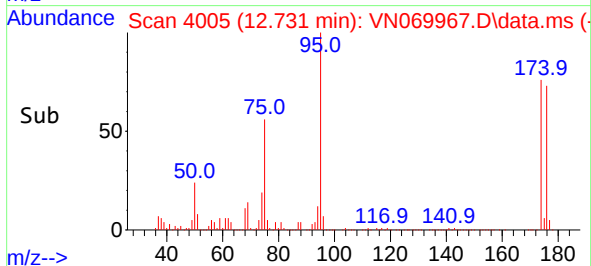
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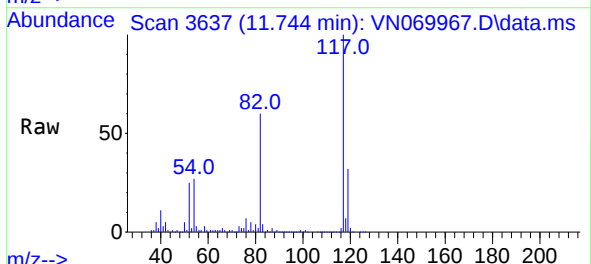
Tgt Ion: 95 Resp: 131233
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.5 0.0 181.4

Manual Integrations
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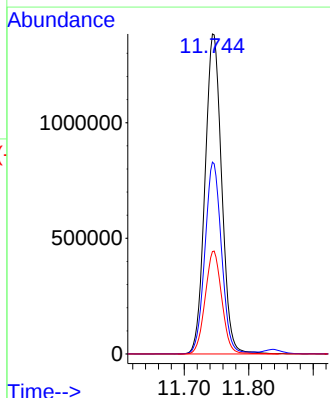
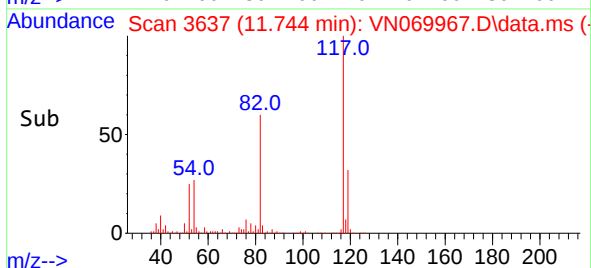
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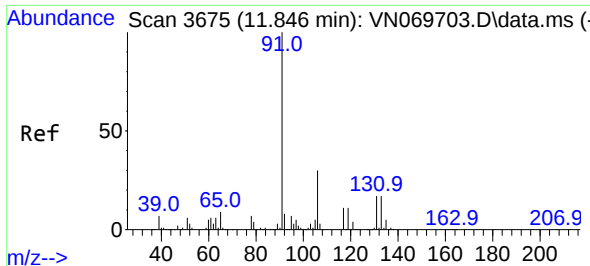


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57



Tgt Ion:117 Resp: 2485434
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 32.0 25.4 38.2





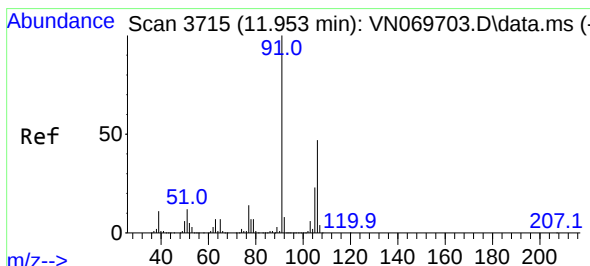
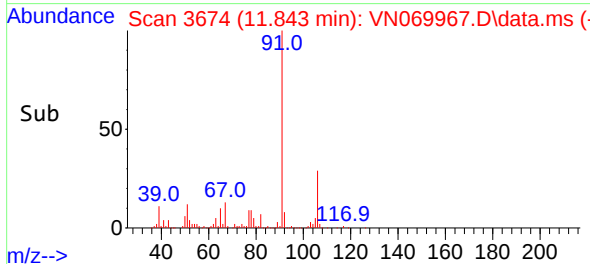
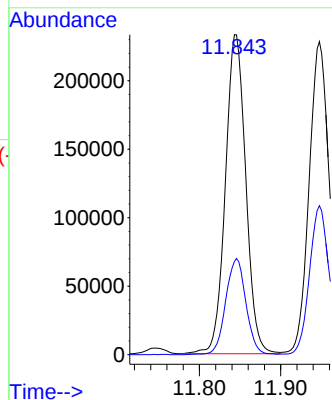
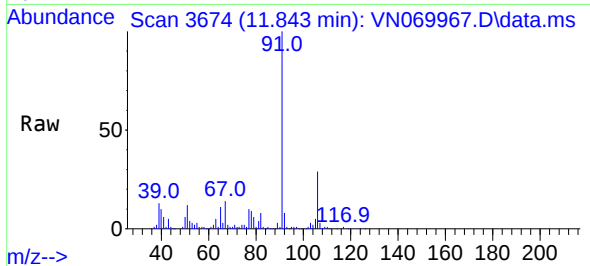
#67
Ethyl Benzene
Concen: 4.444 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

Instrument :
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Tgt Ion: 91 Resp: 40707
Ion Ratio Lower Upper
91 100
106 29.3 25.7 38.5

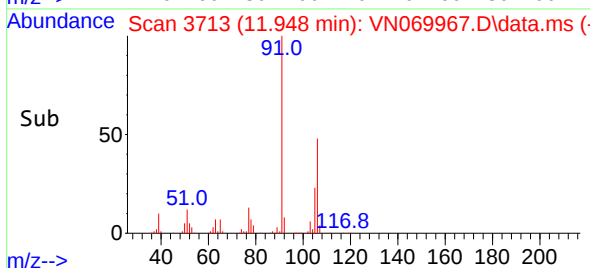
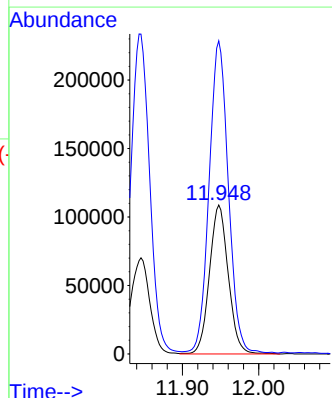
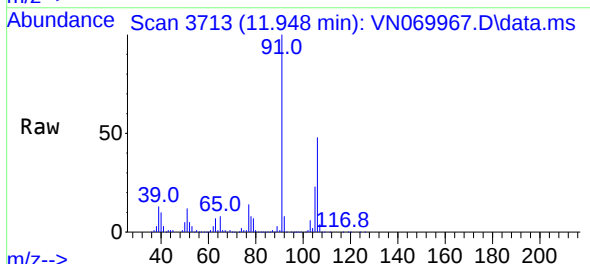
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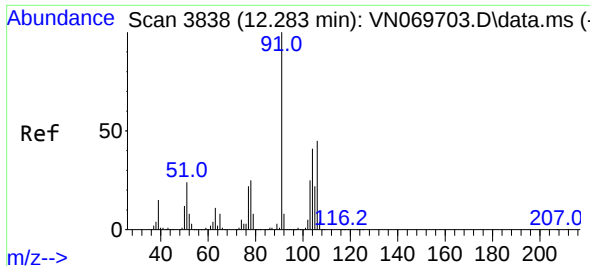
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021



#68
m/p-Xylenes
Concen: 5.580 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

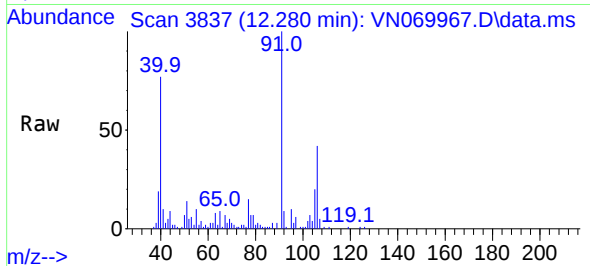
Tgt Ion:106 Resp: 186075
Ion Ratio Lower Upper
106 100
91 212.7 160.6 240.8





#69
o-Xylene
Concen: 0.609 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

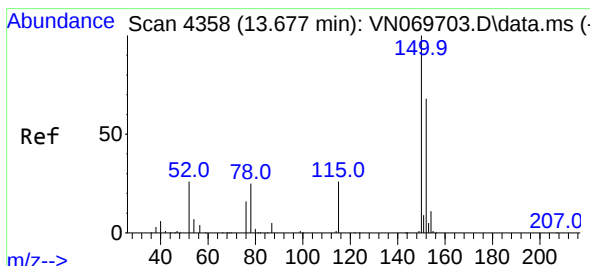
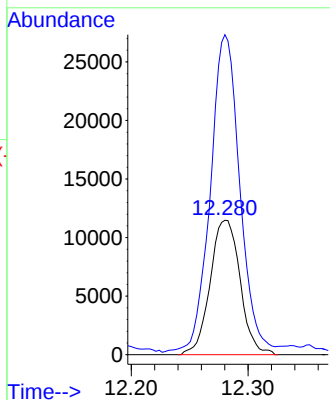
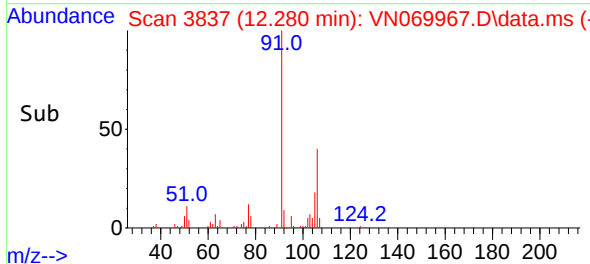
Instrument :
MSVOA_N
ClientSampleId :
MW-6



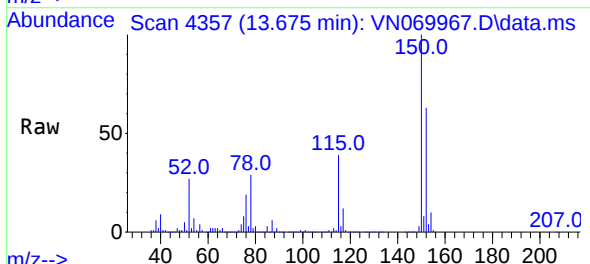
Tgt Ion:106 Resp: 20449
Ion Ratio Lower Upper
106 100
91 231.6 105.8 317.3

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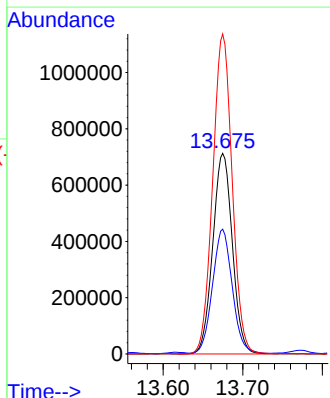
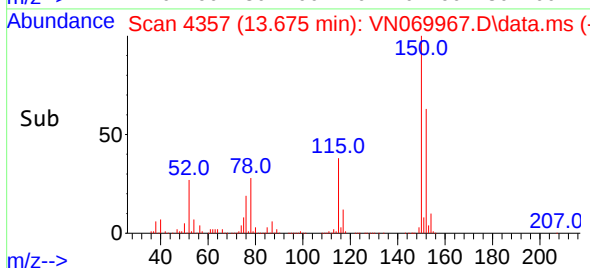
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021

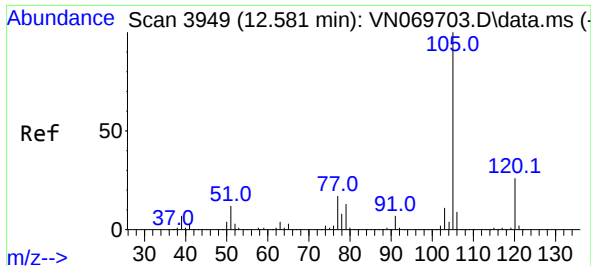


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57



Tgt Ion:152 Resp: 1218378
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.5
150 158.3 0.0 344.4





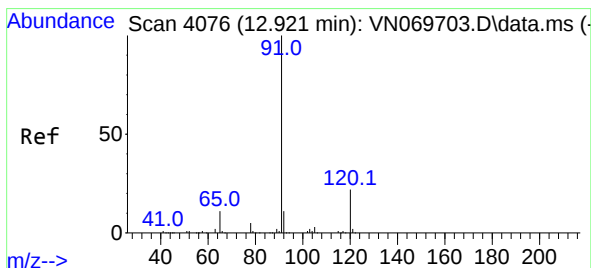
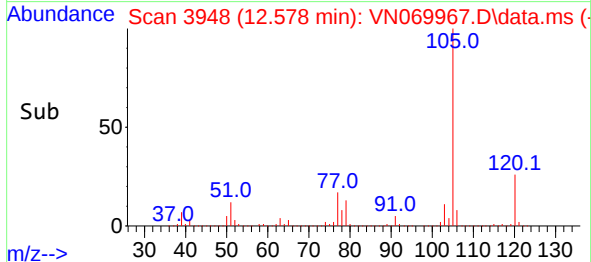
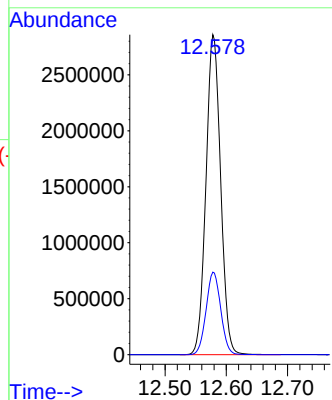
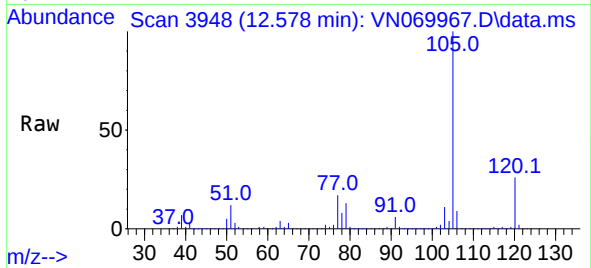
#73
Isopropylbenzene
Concen: 43.789 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tgt Ion:105 Resp: 4746760
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

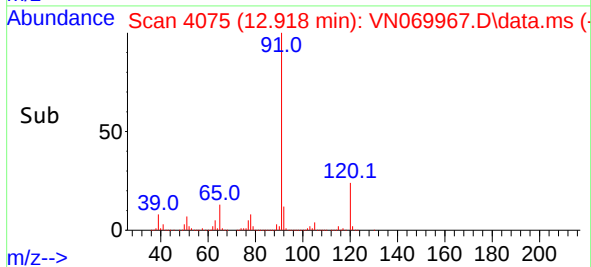
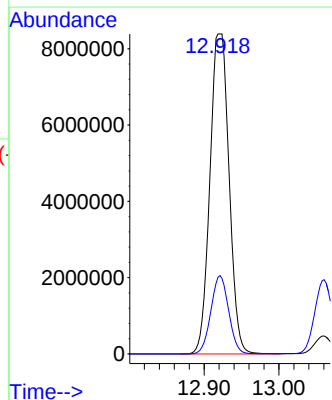
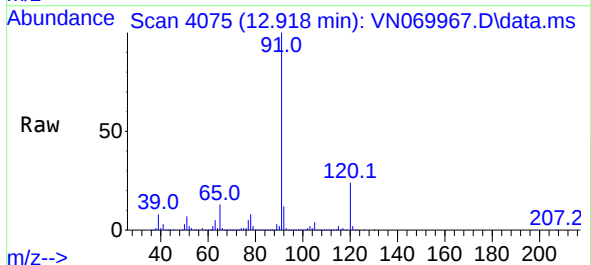
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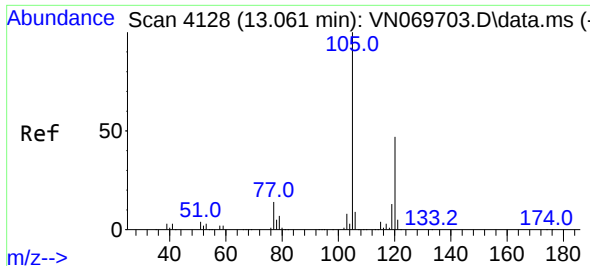
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021



#78
n-propylbenzene
Concen: 123.743 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

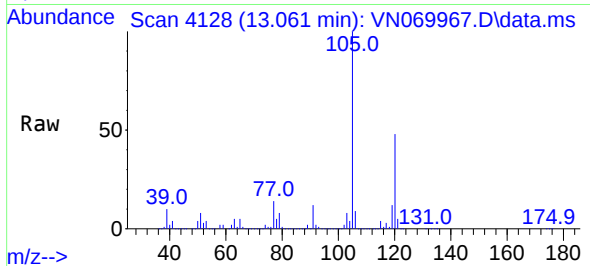
Tgt Ion: 91 Resp:14926750
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 77.920 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

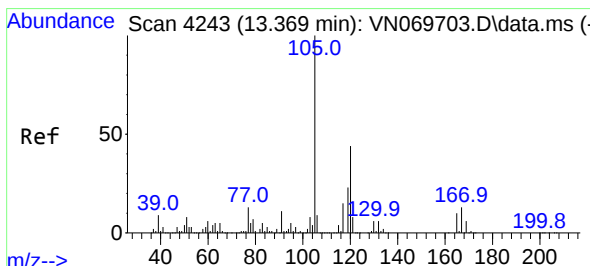
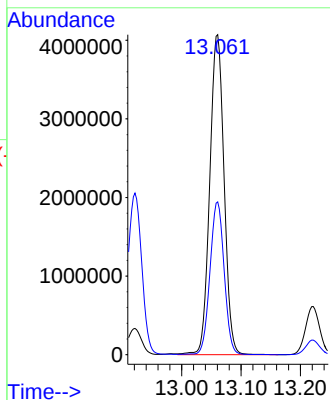
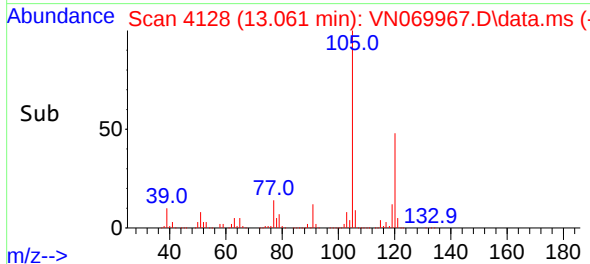
Instrument :
MSVOA_N
ClientSampleId :
MW-6



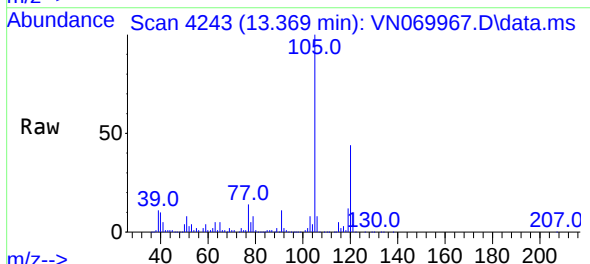
Tgt Ion:105 Resp: 6798580
Ion Ratio Lower Upper
105 100
120 47.3 24.6 73.6

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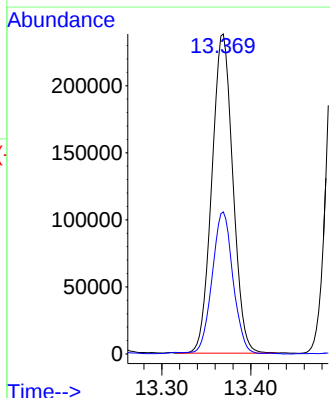
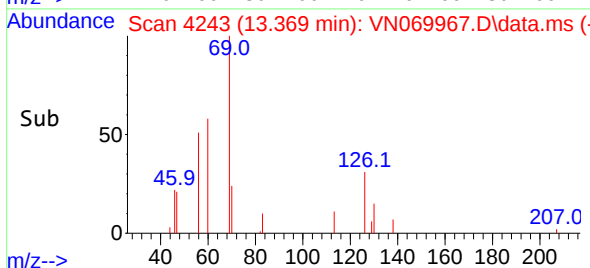
Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021

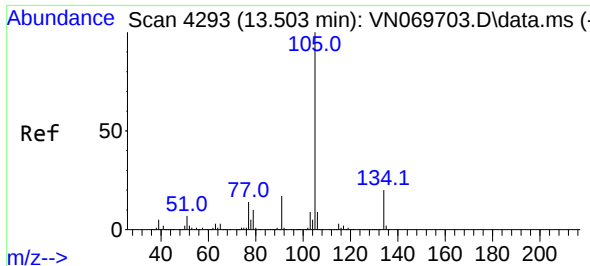


#84
1,2,4-Trimethylbenzene
Concen: 4.696 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57



Tgt Ion:105 Resp: 390197
Ion Ratio Lower Upper
105 100
120 43.7 22.8 68.4





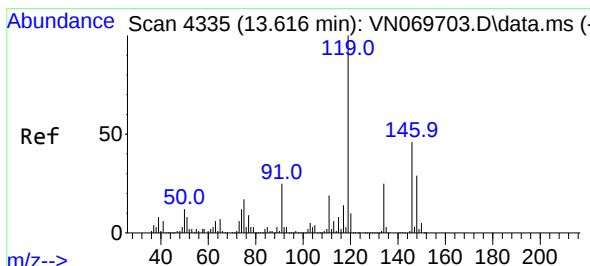
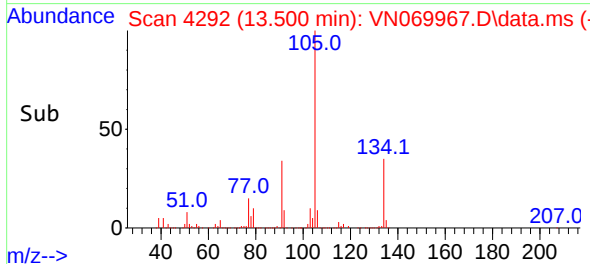
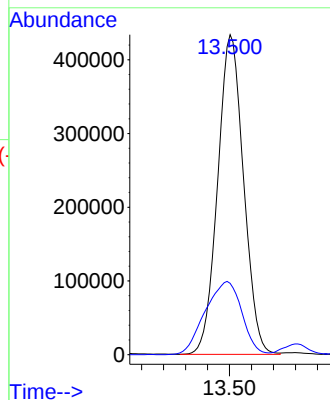
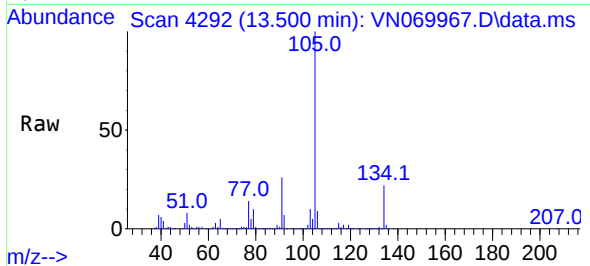
#85
 sec-Butylbenzene
 Concen: 6.757 ug/l
 RT: 13.500 min Scan# 4293
 Delta R.T. -0.003 min
 Lab File: VN069967.D
 Acq: 10 Dec 2021 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tgt Ion:105 Resp: 708125
 Ion Ratio Lower Upper
 105 100
 134 32.4 10.4 31.1

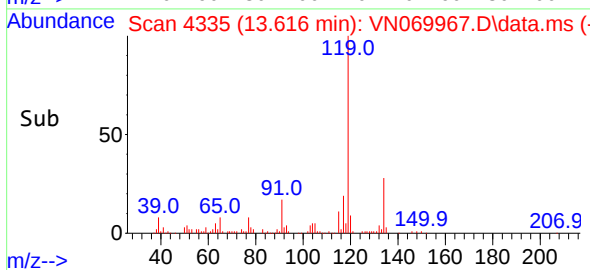
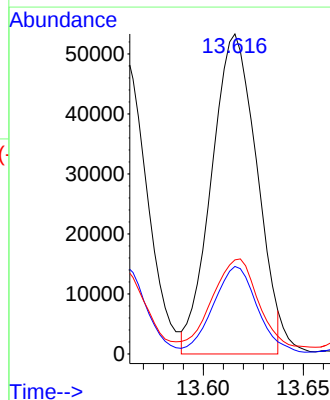
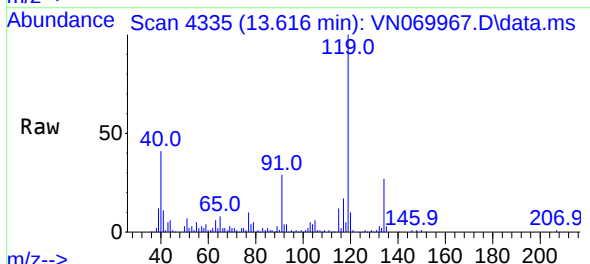
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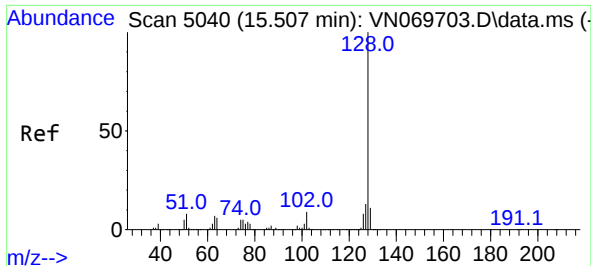
Reviewed By :John Carlone 12/11/2021
 Supervised By :Amit Patel 12/14/2021



#86
 p-Isopropyltoluene
 Concen: 1.021 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN069967.D
 Acq: 10 Dec 2021 18:57

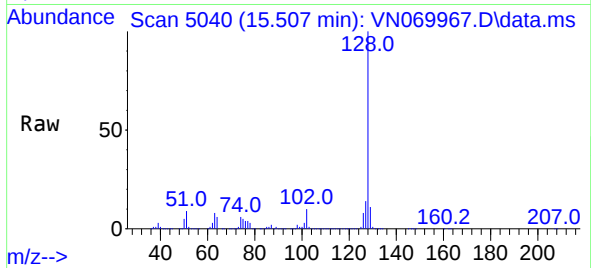
Tgt Ion:119 Resp: 83632
 Ion Ratio Lower Upper
 119 100
 134 75.9 13.6 40.7#
 91 0.0 11.4 34.1#





#95
Naphthalene
Concen: 175.084 ug/l
RT: 15.507 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN069967.D
Acq: 10 Dec 2021 18:57

Instrument :
MSVOA_N
ClientSampleId :
MW-6



Tgt Ion:128 Resp:11069869
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.0 8.7 13.1

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Reviewed By :John Carlone 12/11/2021
Supervised By :Amit Patel 12/14/2021

