

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069962.D
 Acq On : 10 Dec 2021 16:50
 Operator : JC/MD
 Sample : M4969-04DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 12/23/2021
 Supervised By : Amit Patel 12/23/2021

Quant Time: Dec 11 05:21:04 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	1117181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2087914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2377553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1087347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	880336	51.036	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.080%			
35) Dibromofluoromethane	8.021	113	645576	49.363	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.720%			
50) Toluene-d8	10.440	98	2756781	52.497	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.000%			
62) 4-Bromofluorobenzene	12.731	95	1221234	64.193	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 128.380%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.380	59	319664	98.040	ug/l	97
16) Acetone	4.288	43	59013m	5.687	ug/l	
22) Diisopropyl ether	6.498	45	57432	1.225	ug/l	95
31) Cyclohexane	8.091	56	132288m	5.511	ug/l	
39) Methylcyclohexane	9.459	83	91830	3.884	ug/l	88
40) Benzene	8.461	78	2833941	46.646	ug/l	98
52) Toluene	10.505	92	140147	3.778	ug/l	97
67) Ethyl Benzene	11.843	91	1970868	22.495	ug/l	96
68) m/p-Xylenes	11.953	106	622183	19.503	ug/l	93
69) o-Xylene	12.280	106	179306	5.580	ug/l	93
73) Isopropylbenzene	12.578	105	294876	3.048	ug/l	98
78) n-propylbenzene	12.921	91	938282	8.716	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	860142	11.046	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	1191720	16.070	ug/l	98
85) sec-Butylbenzene	13.501	105	44399	0.475	ug/l	92
89) n-Butylbenzene	13.940	91	42175	0.711	ug/l #	70
95) Naphthalene	15.507	128	438124	11.573	ug/l	99

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

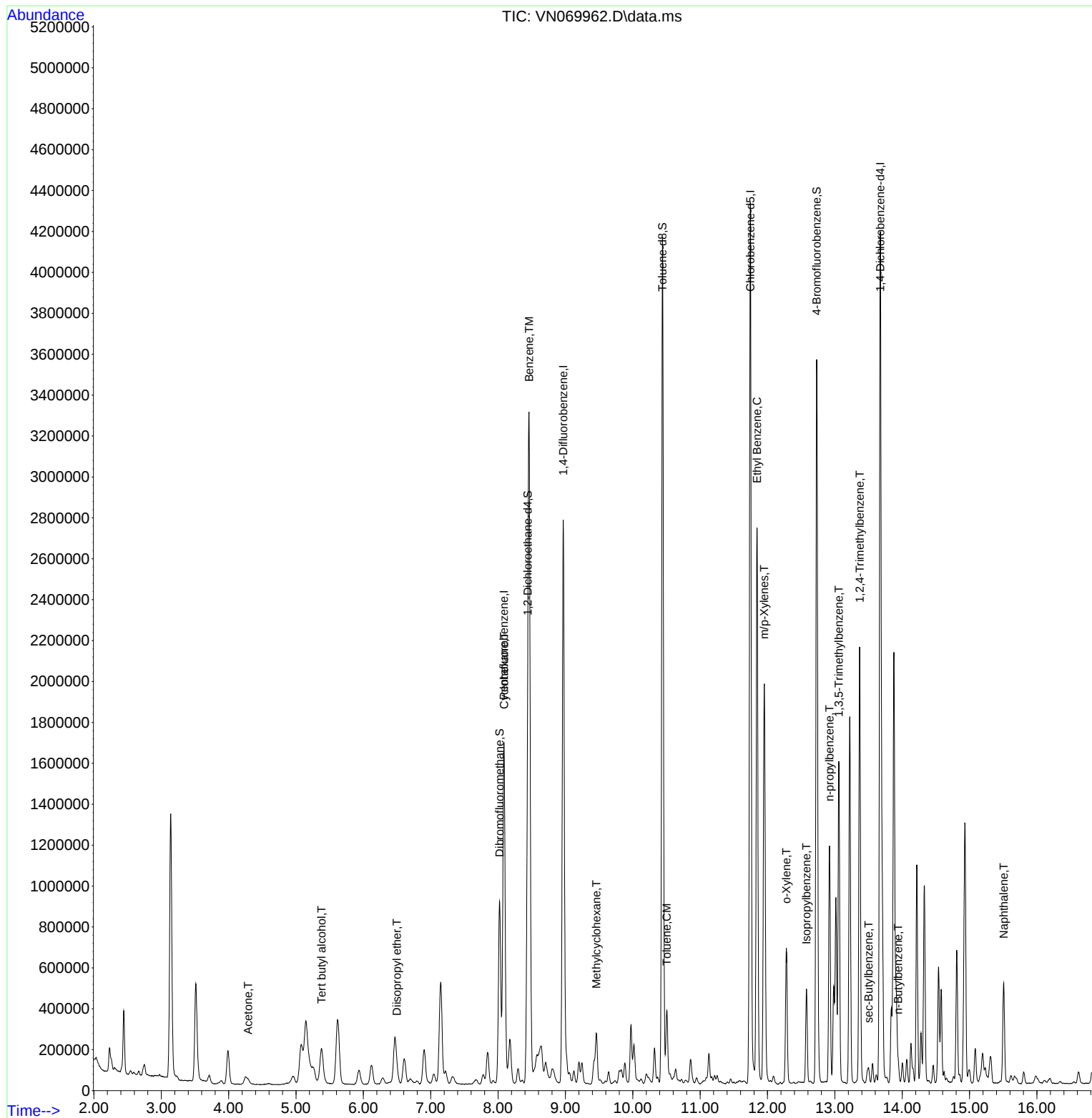
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
Data File : VN069962.D
Acq On : 10 Dec 2021 16:50
Operator : JC/MD
Sample : M4969-04DL 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

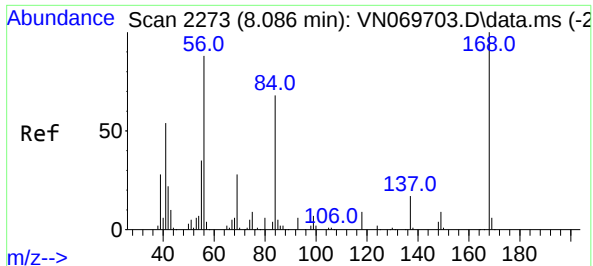
Instrument :
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Supervised By :Amit Patel 12/23/2021

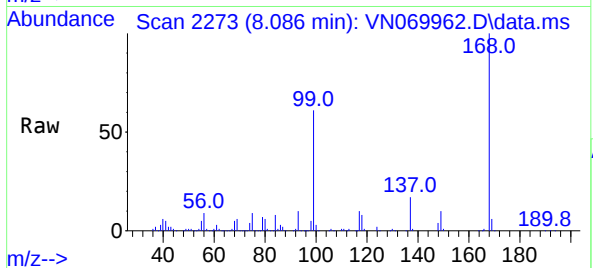
Quant Time: Dec 11 05:21:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

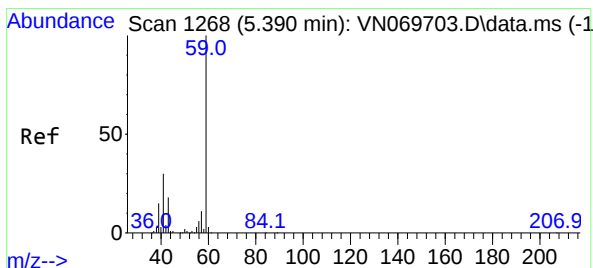
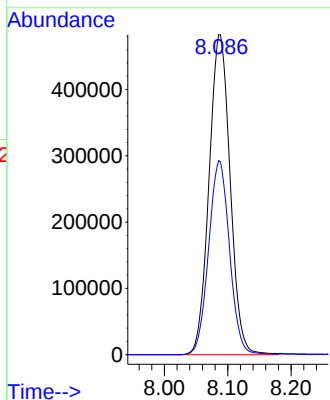
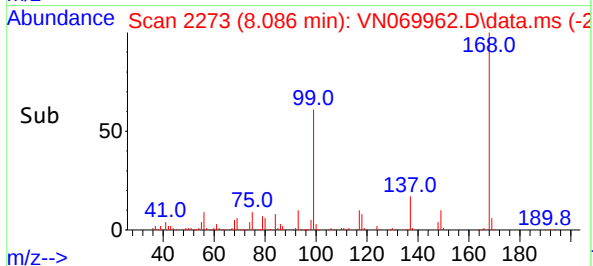
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



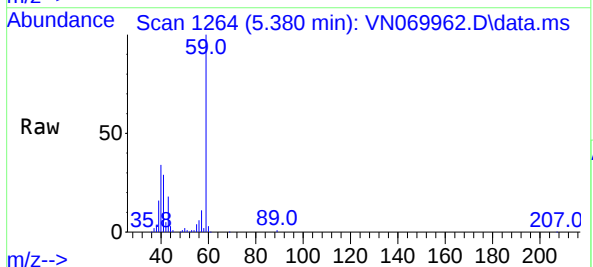
Tgt Ion:168 Resp: 111718
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9

Manual Integrations
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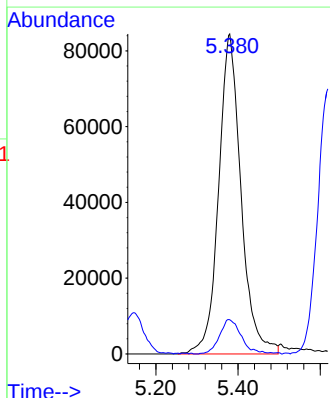
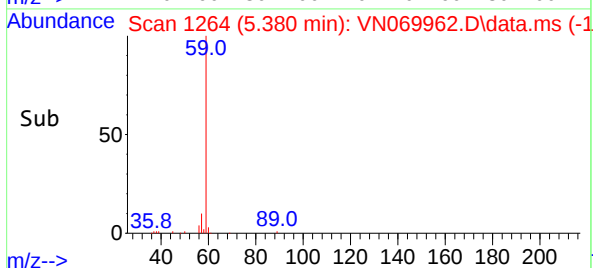
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#11
Tert butyl alcohol
Concen: 98.040 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50



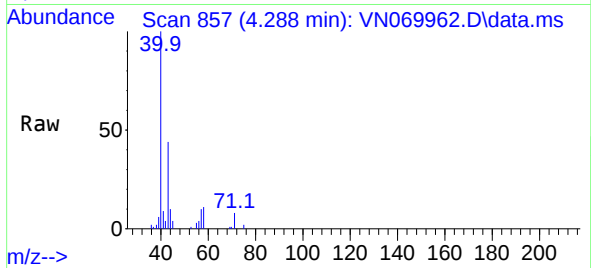
Tgt Ion: 59 Resp: 319664
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1





#16
Acetone
Concen: 5.687 ug/l m
RT: 4.288 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

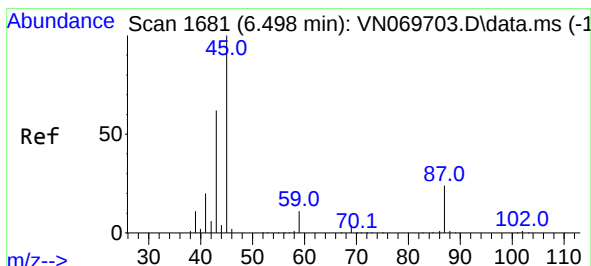
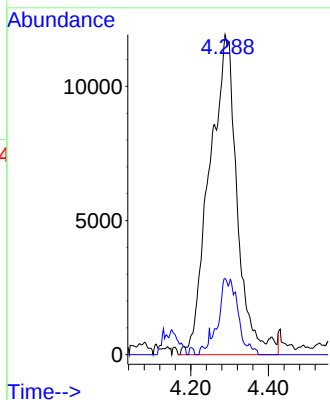
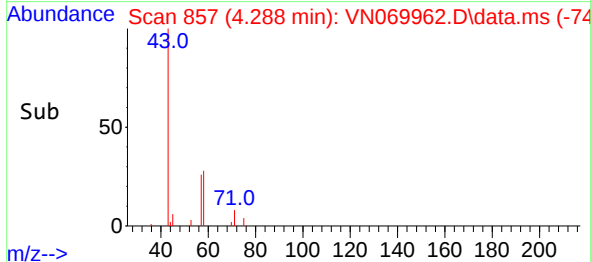
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



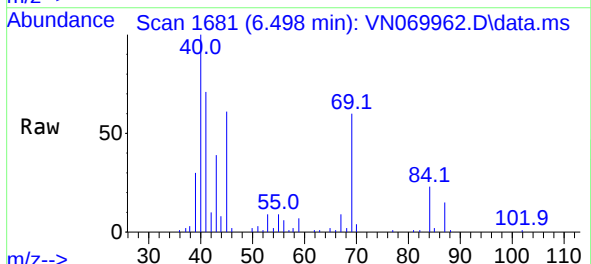
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Ion Ratio Lower Upper
43 100
58 23.8 23.1 34.7

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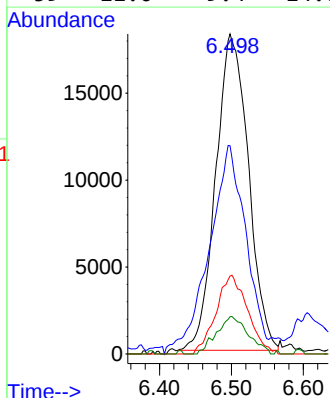
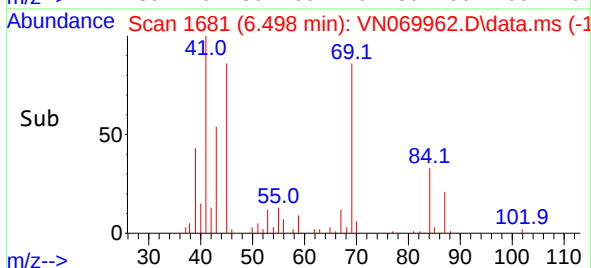
Reviewed By :Mahesh Dadoda 12/23/2021
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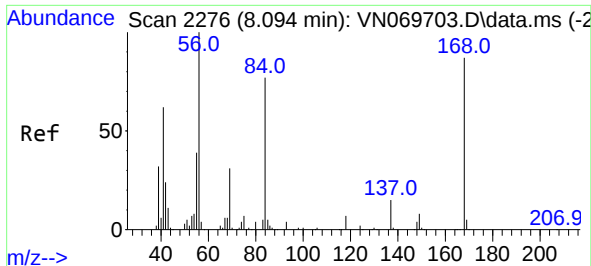


#22
Diisopropyl ether
Concen: 1.225 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50



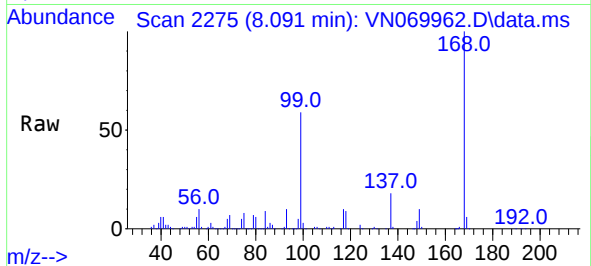
Tgt Ion: 45 Resp: 57432
Ion Ratio Lower Upper
45 100
43 61.1 51.7 77.5
87 24.6 23.2 34.8
59 11.0 9.4 14.0





#31
Cyclohexane
Concen: 5.511 ug/l m
RT: 8.091 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

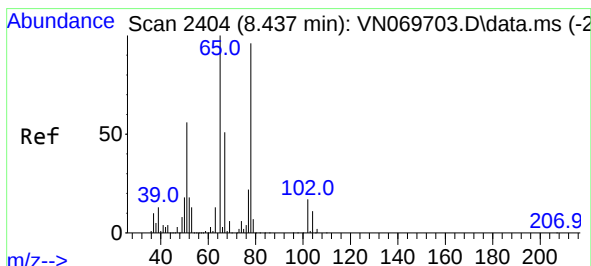
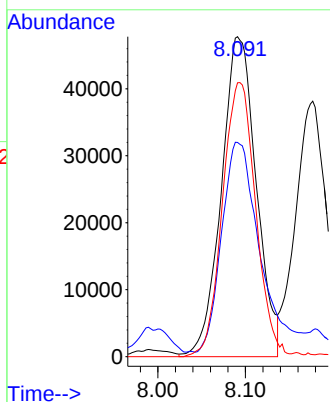
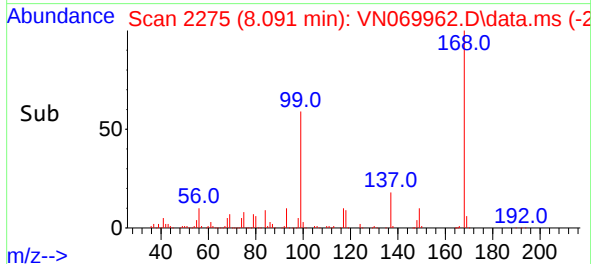
Instrument :
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ClientSampleId :
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Tgt Ion: 56 Resp: 13228
Ion Ratio Lower Upper
56 100
69 67.0 27.1 40.7
84 85.6 73.4 110.0

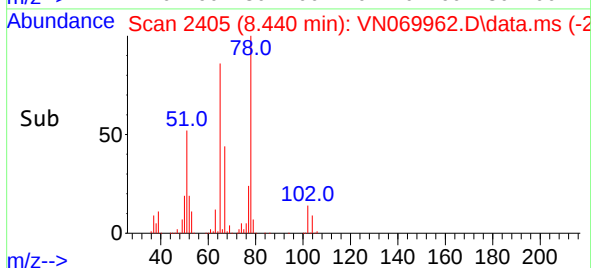
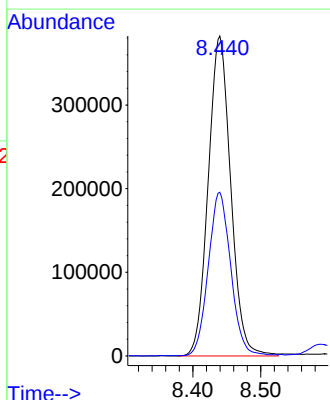
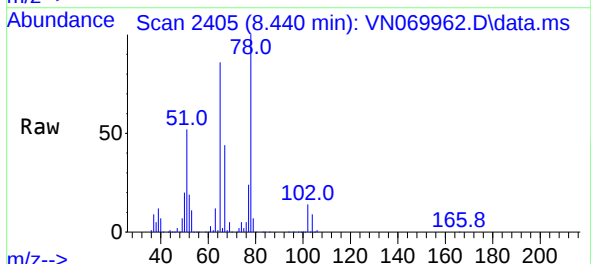
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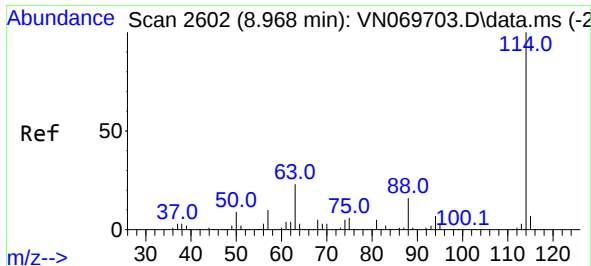
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#33
1,2-Dichloroethane-d4
Concen: 51.036 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

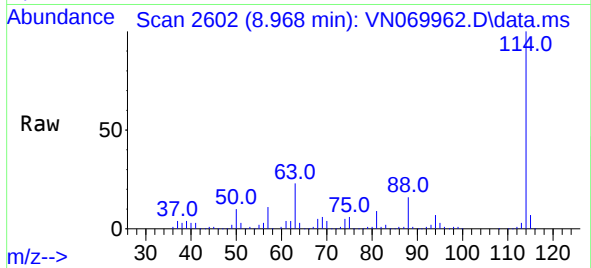
Tgt Ion: 65 Resp: 880336
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2087914
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

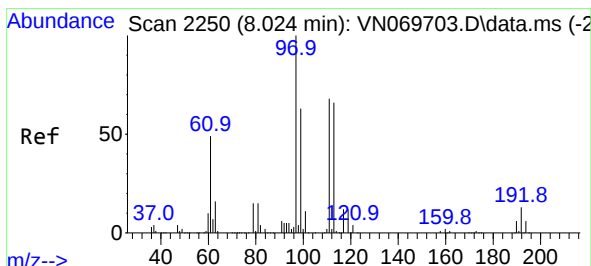
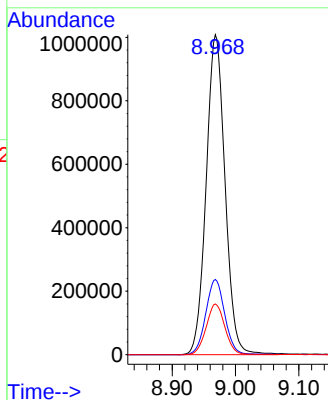
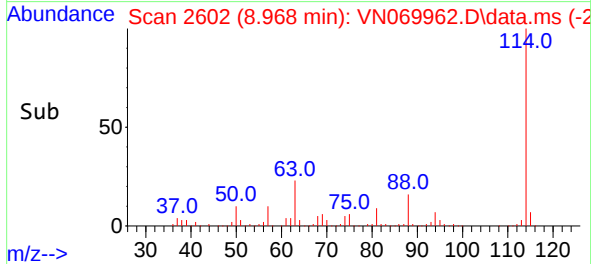
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



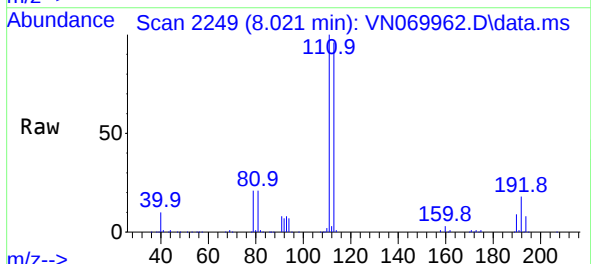
Tgt Ion:114 Resp: 2087914
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 15.9 0.0 27.4

Manual Integrations
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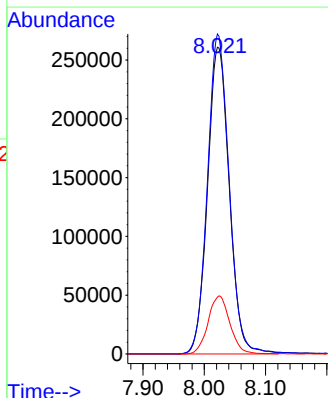
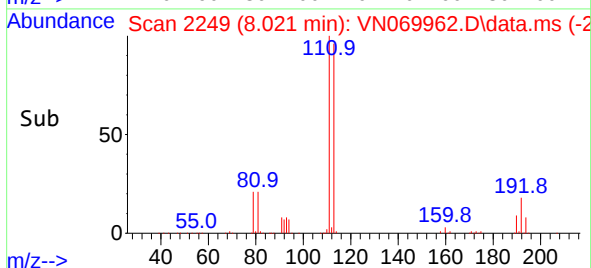
Reviewed By :Mahesh Dadoda 12/23/2021
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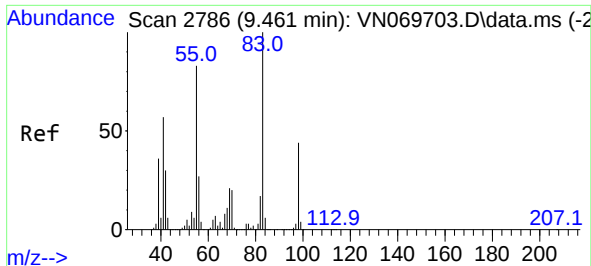


#35
Dibromofluoromethane
Concen: 49.363 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50



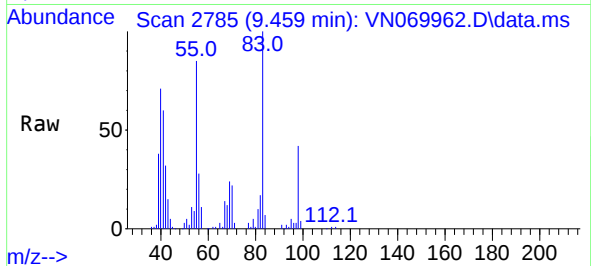
Tgt Ion:113 Resp: 645576
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.9 16.9 25.3





#39
Methylcyclohexane
Concen: 3.884 ug/l
RT: 9.459 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

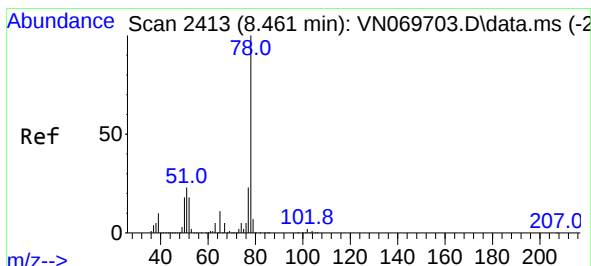
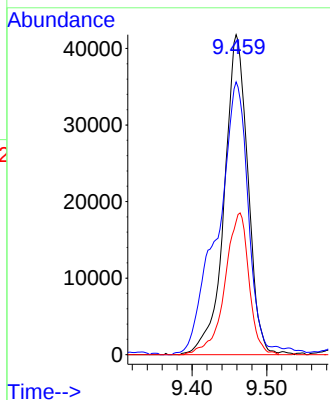
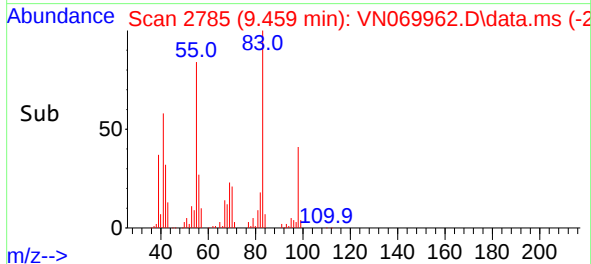
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



Tgt Ion: 83 Resp: 91830
Ion Ratio Lower Upper
83 100
55 84.6 58.1 87.1
98 41.6 38.4 57.6

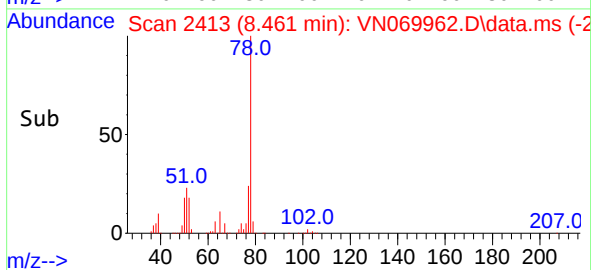
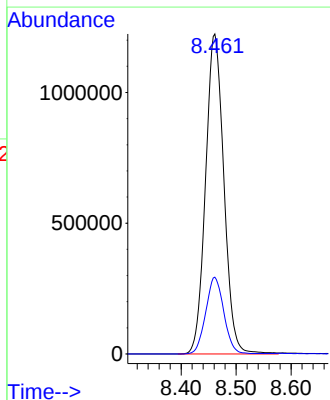
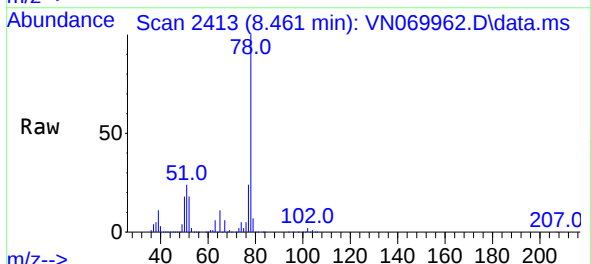
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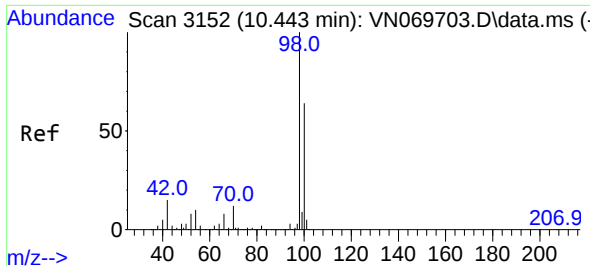
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#40
Benzene
Concen: 46.646 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Tgt Ion: 78 Resp: 2833941
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8





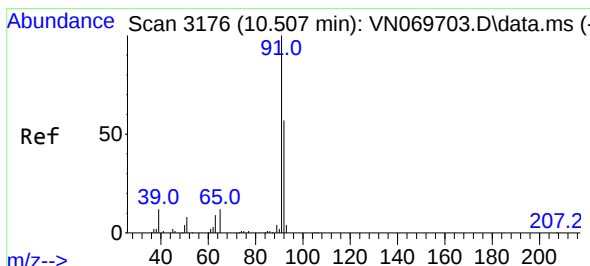
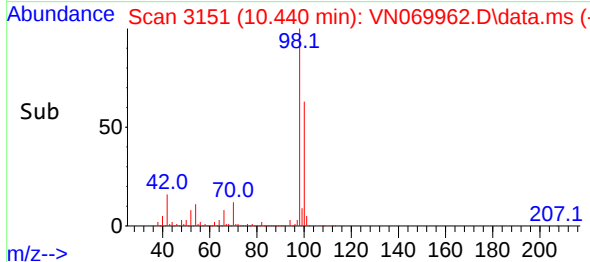
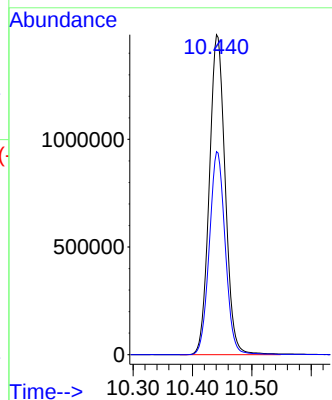
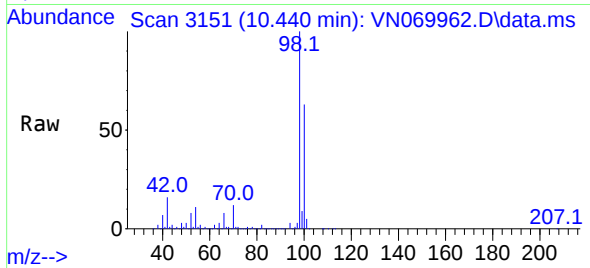
#50
Toluene-d8
Concen: 52.497 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Instrument :
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Tgt Ion: 98 Resp: 275678
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6

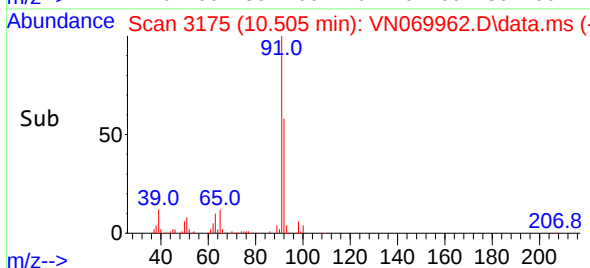
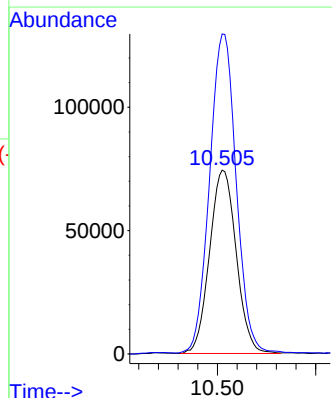
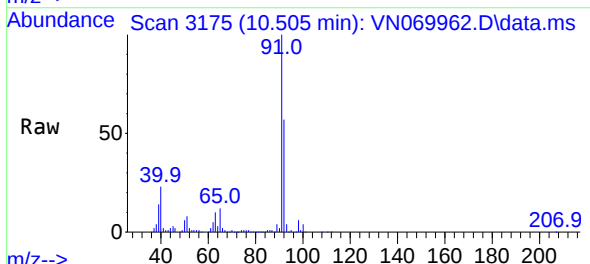
Manual Integrations
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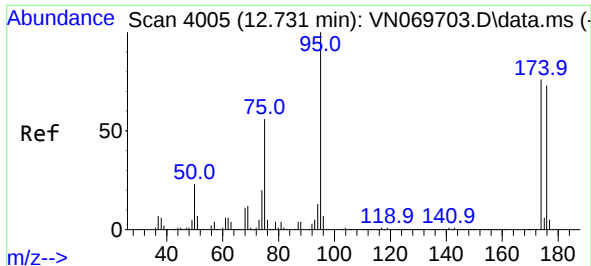
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#52
Toluene
Concen: 3.778 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

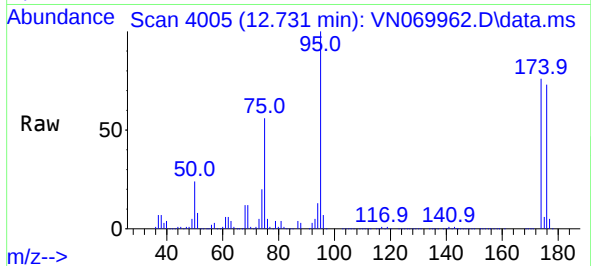
Tgt Ion: 92 Resp: 140147
Ion Ratio Lower Upper
92 100
91 173.7 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 64.193 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

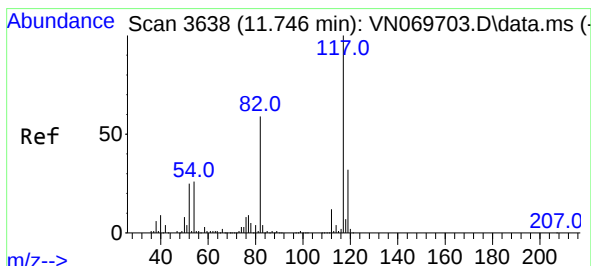
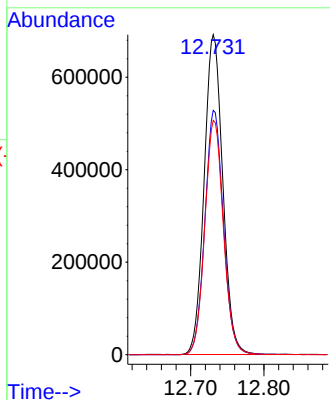
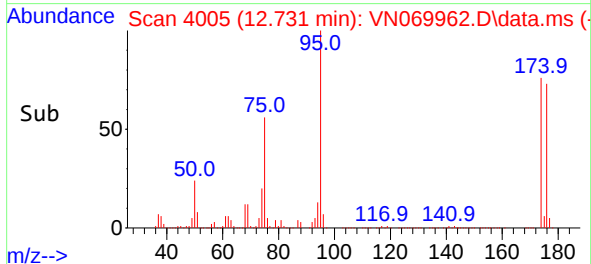
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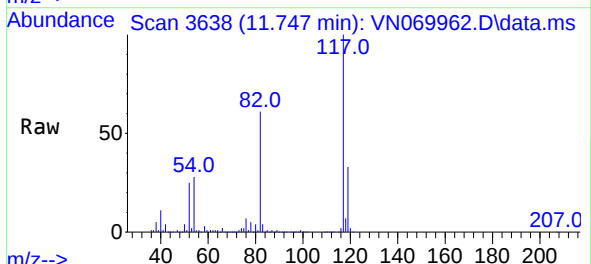
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Ion Ratio Lower Upper
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174 76.2 0.0 187.2
176 73.5 0.0 181.4

Manual Integrations
APPROVED

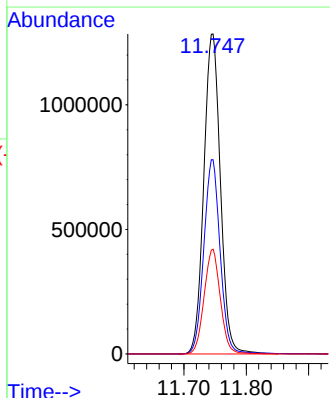
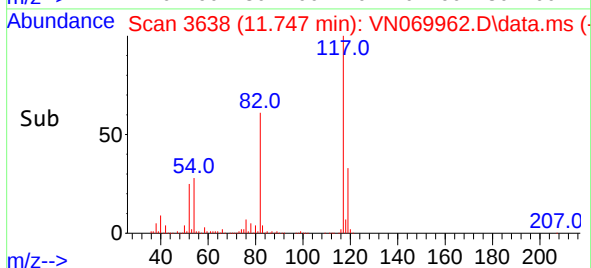
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021

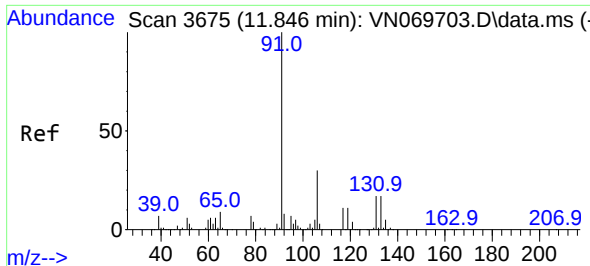


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50



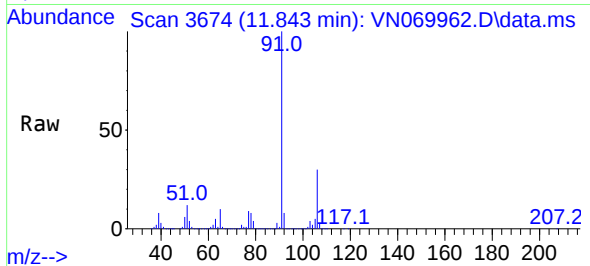
Tgt Ion:117 Resp: 2377553
Ion Ratio Lower Upper
117 100
82 60.7 42.4 63.6
119 32.8 25.4 38.2





#67
Ethyl Benzene
Concen: 22.495 ug/l
RT: 11.843 min Scan# 3075
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

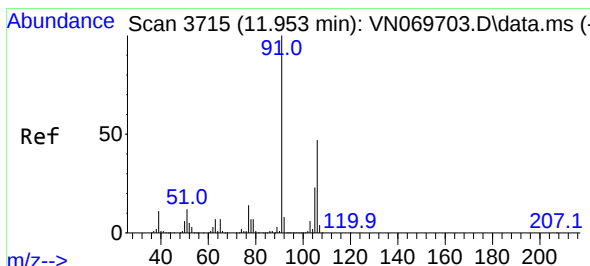
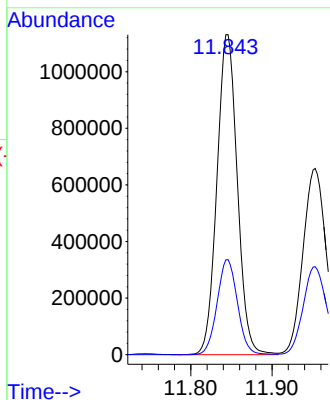
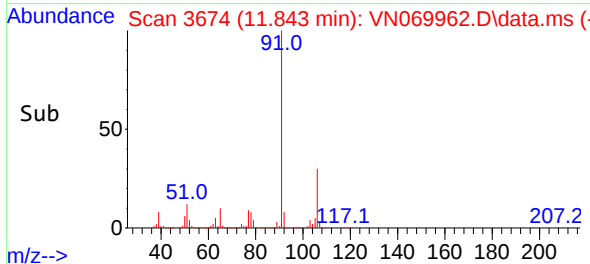
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



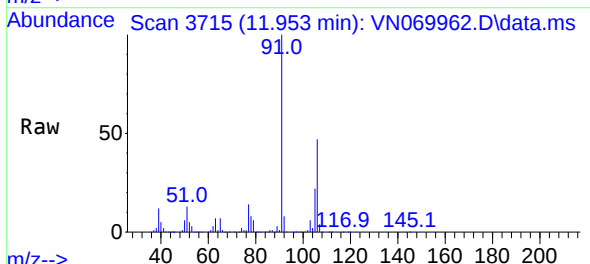
Tgt Ion: 91 Resp: 197086
Ion Ratio Lower Upper
91 100
106 29.7 25.7 38.5

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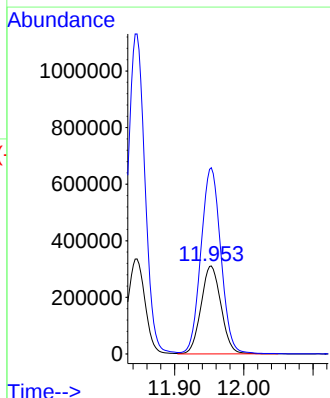
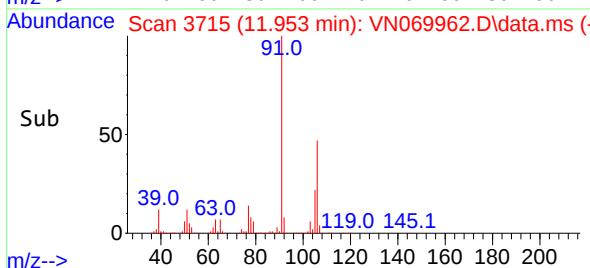
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Supervised By :Amit Patel 12/23/2021

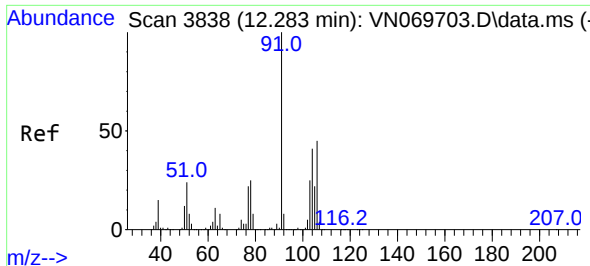


#68
m/p-Xylenes
Concen: 19.503 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50



Tgt Ion:106 Resp: 622183
Ion Ratio Lower Upper
106 100
91 210.7 160.6 240.8





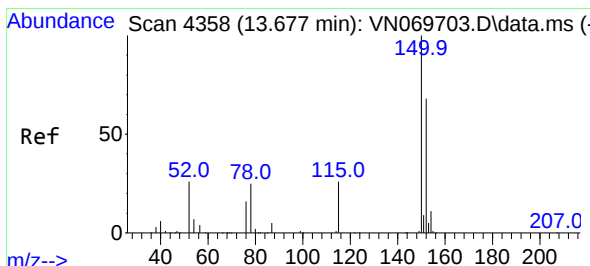
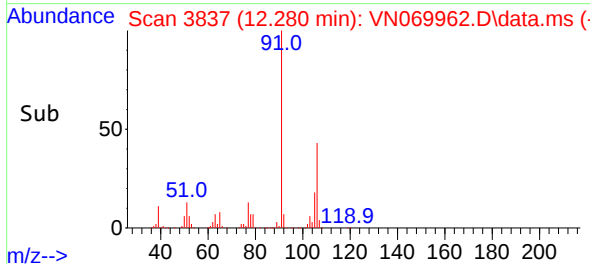
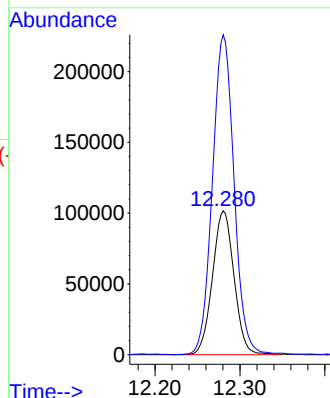
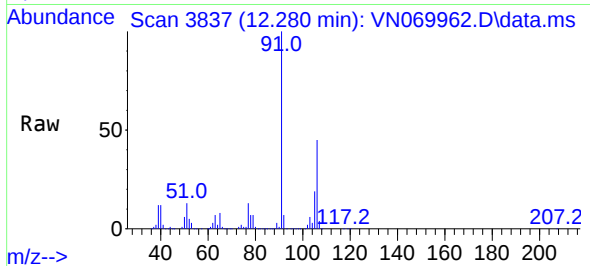
#69
o-Xylene
Concen: 5.580 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:106 Resp: 179300
Ion Ratio Lower Upper
106 100
91 222.9 105.8 317.3

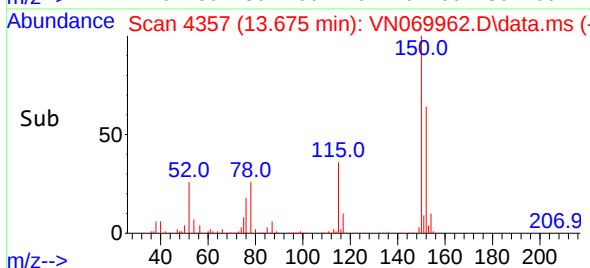
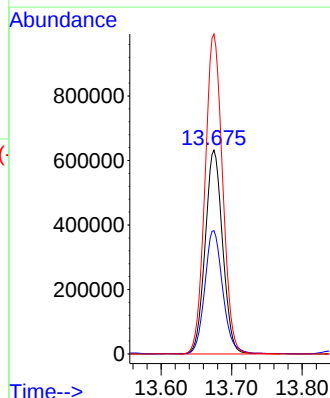
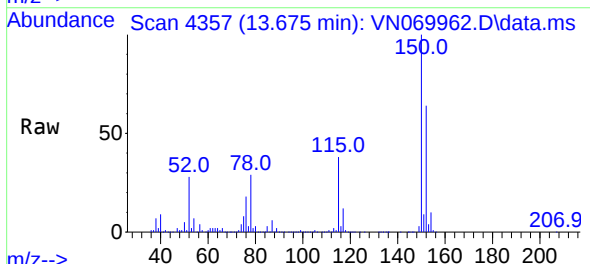
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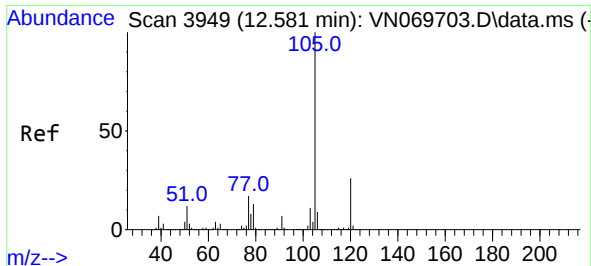
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Tgt Ion:152 Resp: 1087347
Ion Ratio Lower Upper
152 100
115 62.1 27.5 82.5
150 157.7 0.0 344.4





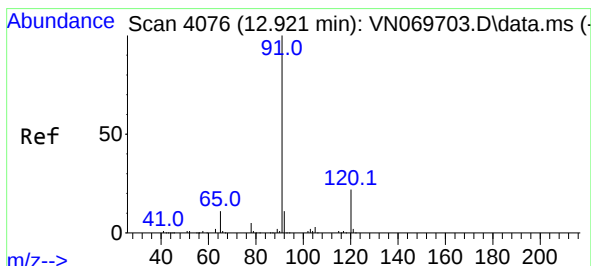
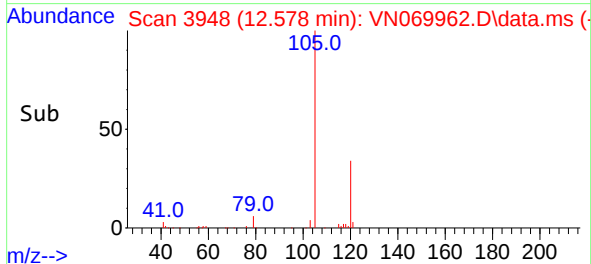
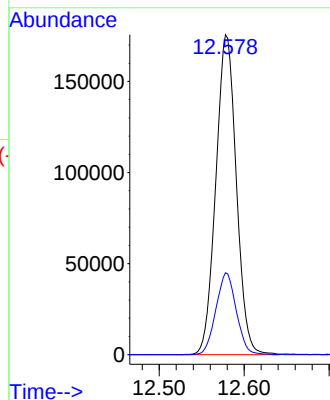
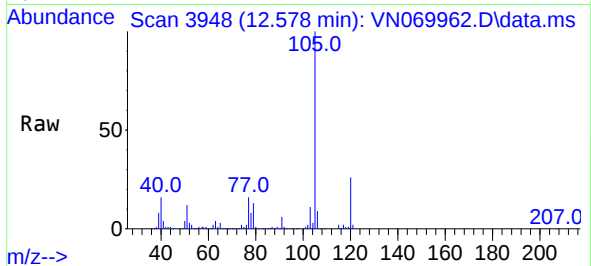
#73
Isopropylbenzene
Concen: 3.048 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:105 Resp: 294870
Ion Ratio Lower Upper
105 100
120 25.4 13.4 40.1

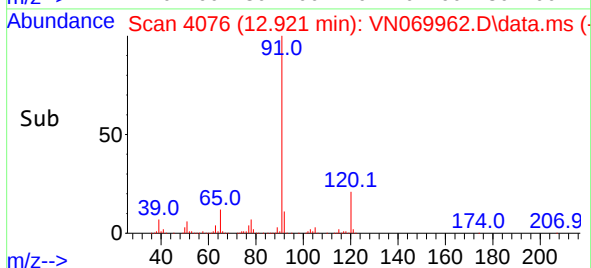
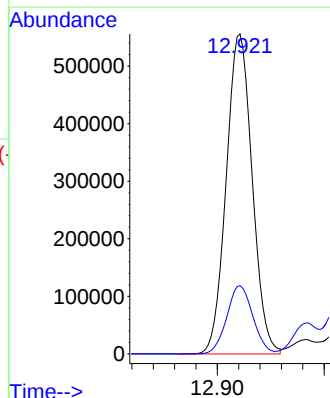
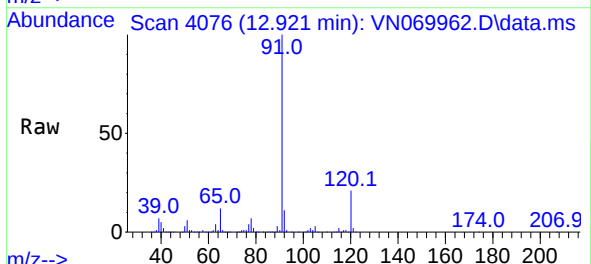
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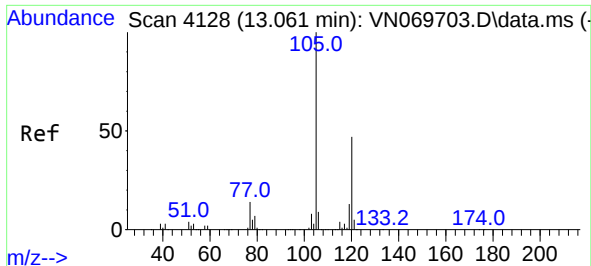
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Amit Patel 12/23/2021



#78
n-propylbenzene
Concen: 8.716 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Tgt Ion: 91 Resp: 938282
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9





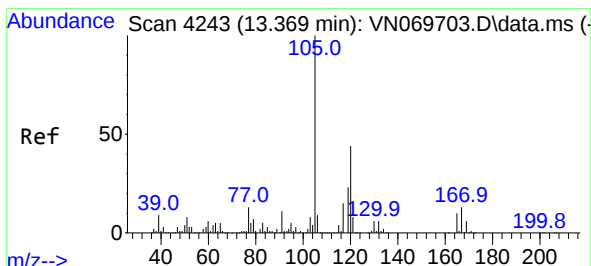
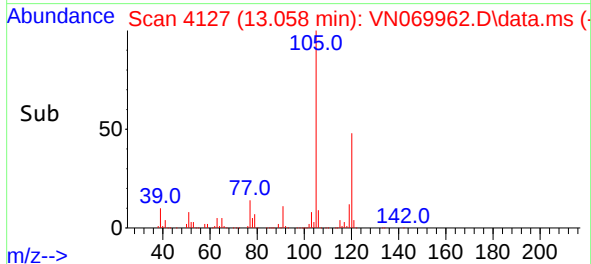
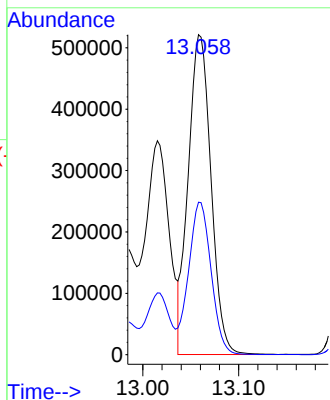
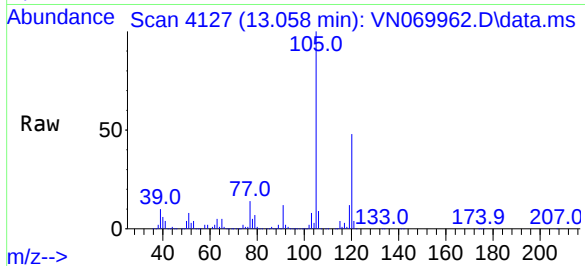
#80
1,3,5-Trimethylbenzene
Concen: 11.046 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion:105 Resp: 860142
Ion Ratio Lower Upper
105 100
120 47.5 24.6 73.6

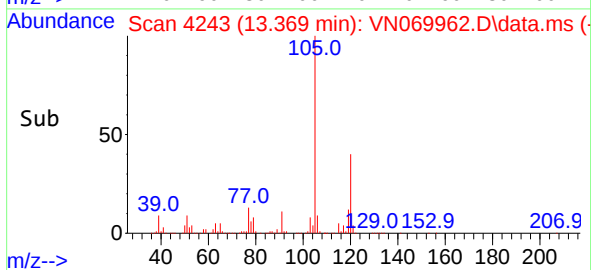
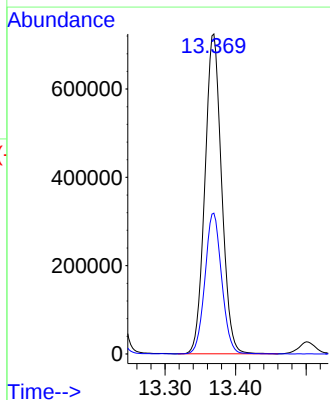
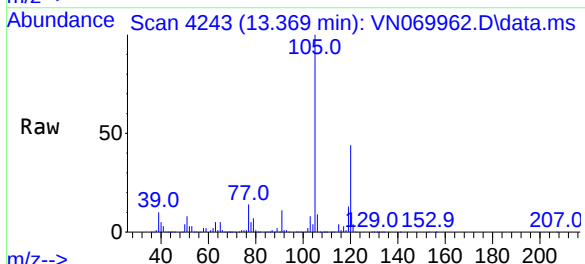
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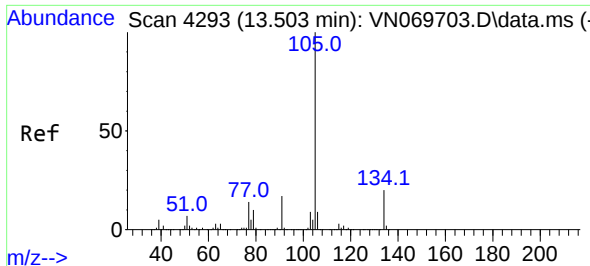
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Supervised By :Amit Patel 12/23/2021



#84
1,2,4-Trimethylbenzene
Concen: 16.070 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Tgt Ion:105 Resp: 1191720
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4





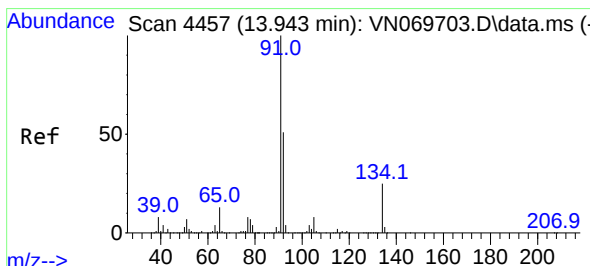
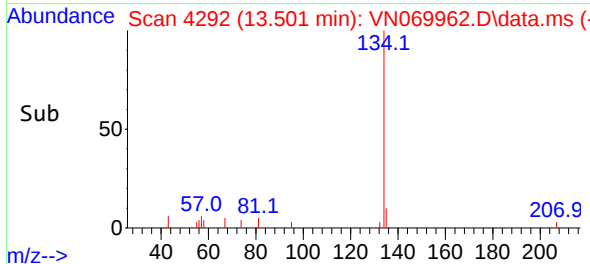
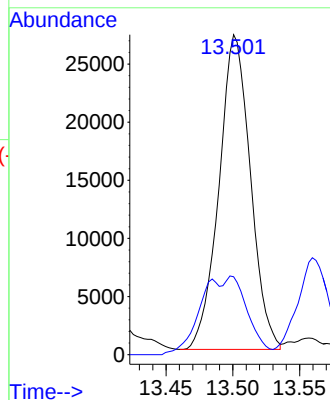
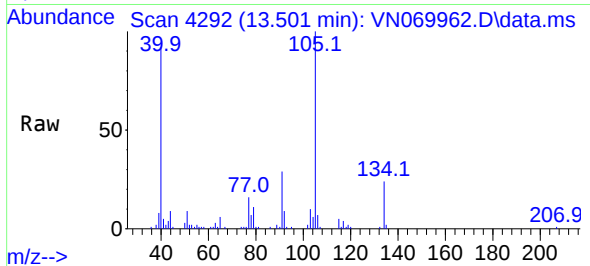
#85
 sec-Butylbenzene
 Concen: 0.475 ug/l
 RT: 13.501 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069962.D
 Acq: 10 Dec 2021 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tgt Ion:105 Resp: 44399
 Ion Ratio Lower Upper
 105 100
 134 17.0 10.4 31.1

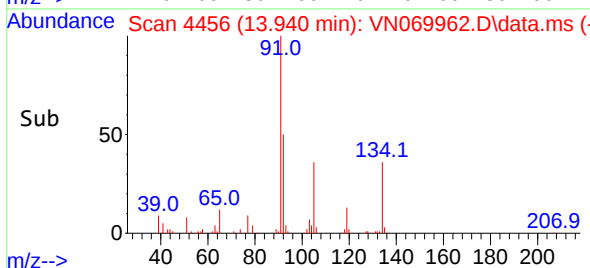
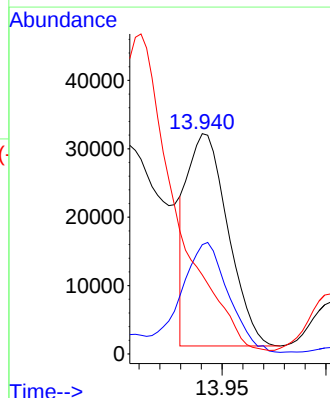
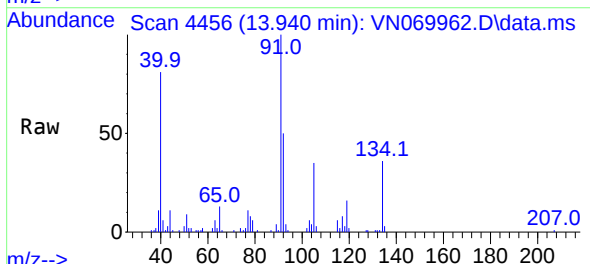
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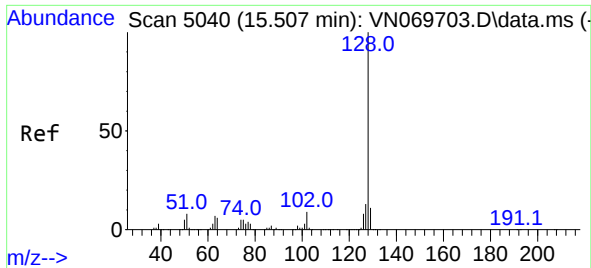
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#89
 n-Butylbenzene
 Concen: 0.711 ug/l
 RT: 13.940 min Scan# 4456
 Delta R.T. -0.003 min
 Lab File: VN069962.D
 Acq: 10 Dec 2021 16:50

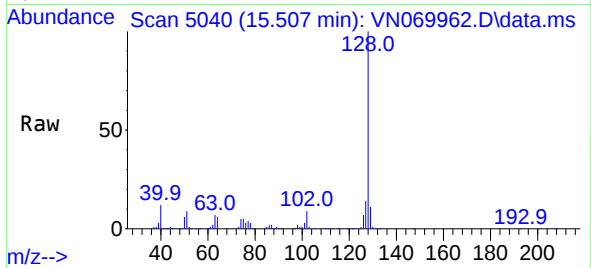
Tgt Ion: 91 Resp: 42175
 Ion Ratio Lower Upper
 91 100
 92 63.3 25.4 76.0
 134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 11.573 ug/l
RT: 15.507 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN069962.D
Acq: 10 Dec 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL



Tgt Ion:128 Resp: 438124
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 10.7 8.7 13.1

Manual Integrations
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Supervised By :Amit Patel 12/23/2021

