

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072609.D
 Acq On : 25 May 2022 00:32
 Operator : JC\MD
 Sample : N2968-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 05/25/2022
 Supervised By :Mahesh
 Dadoda
 05/25/2022

Quant Time: May 25 09:24:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	136465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	246665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	290698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	140617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	87761	56.536	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.080%			
35) Dibromofluoromethane	8.016	113	72351	45.256	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 90.520%			
50) Toluene-d8	10.439	98	322416	52.817	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.727	95	203087	102.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 204.580%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.357	59	223206	763.597	ug/l	100
16) Acetone	4.287	43	10908	14.296	ug/l	97
19) Methyl tert-butyl Ether	5.604	73	102334	24.055	ug/l #	18
22) Diisopropyl ether	6.486	45	25087	5.275	ug/l #	86
25) 2-Butanone	7.328	43	5151	4.001	ug/l #	71
31) Cyclohexane	8.092	56	118346	48.129	ug/l	95
39) Methylcyclohexane	9.457	83	60094	21.562	ug/l	98
40) Benzene	8.457	78	4982415	682.662	ug/l	99
51) 4-Methyl-2-Pentanone	10.327	43	2807m	0.978	ug/l	
52) Toluene	10.498	92	202550	43.824	ug/l	98
67) Ethyl Benzene	11.839	91	5336726	482.009	ug/l	99
68) m/p-Xylenes	11.951	106	2266916	537.160	ug/l	99
69) o-Xylene	12.274	106	1127961	276.488	ug/l	98
73) Isopropylbenzene	12.574	105	406885	32.484	ug/l	99
78) n-propylbenzene	12.915	91	1124462	80.961	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	627589	64.416	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	3494340	365.747	ug/l	99
85) sec-Butylbenzene	13.498	105	33905m	2.794	ug/l	
86) p-Isopropyltoluene	13.610	119	17473	1.827	ug/l #	78
89) n-Butylbenzene	13.933	91	31975	4.143	ug/l #	82
95) Naphthalene	15.498	128	1027239	117.383	ug/l	99

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

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MSVOA_N
ClientSampleId :
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APPROVED

Reviewed By :John

Carlone

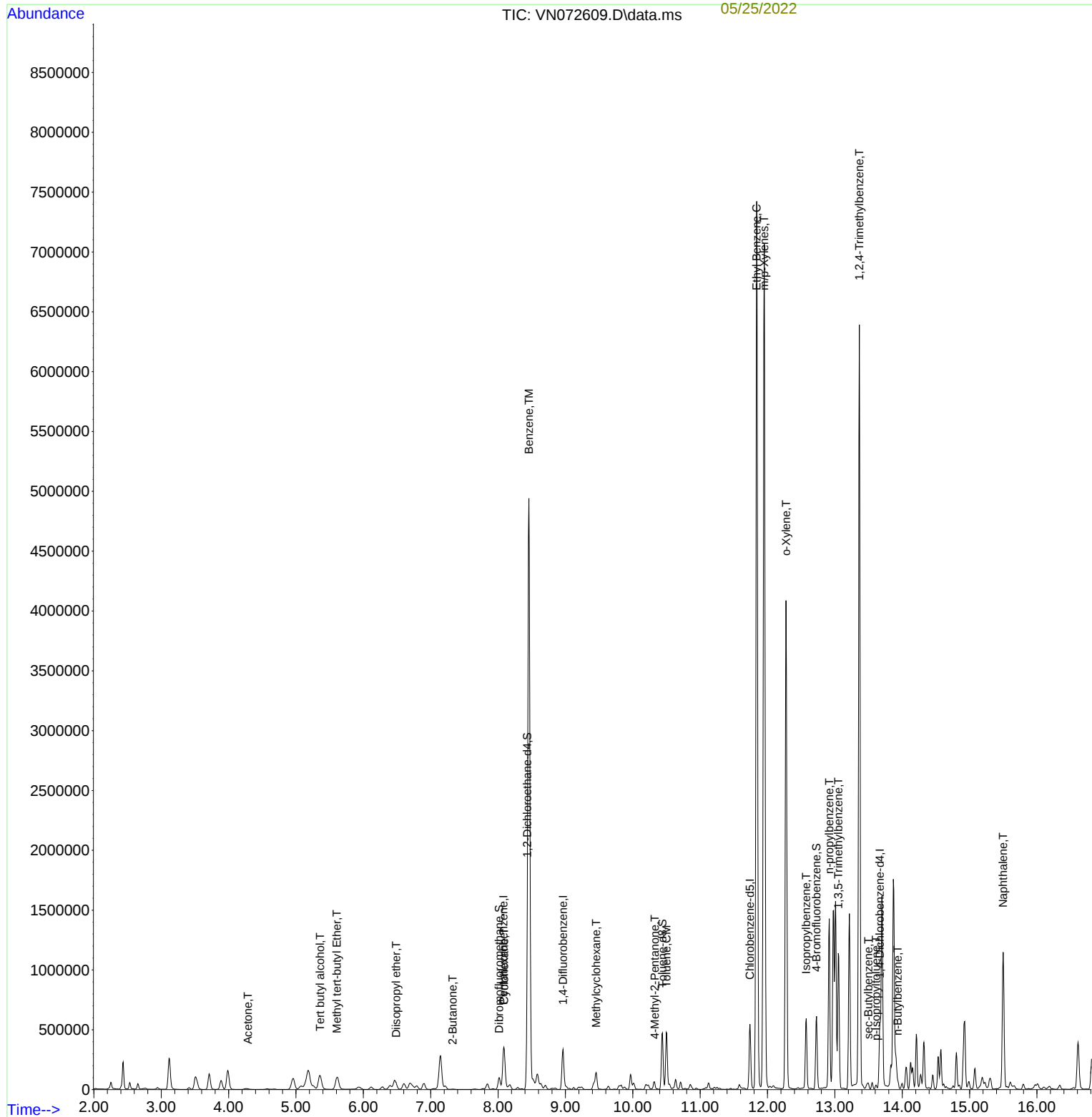
05/25/2022

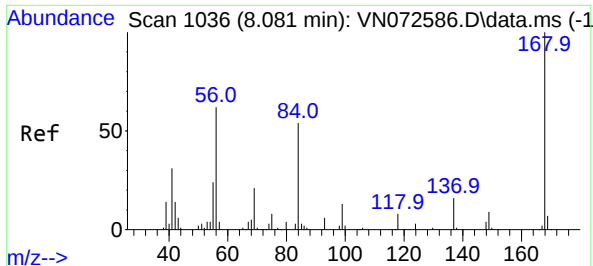
Supervised By :Mahesh

Dadoda

05/25/2022

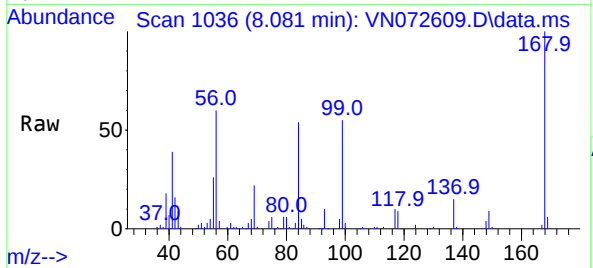
Quant Time: May 25 09:24:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
Quant Title : SW846 8260
QLast Update : Wed May 25 09:15:20 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

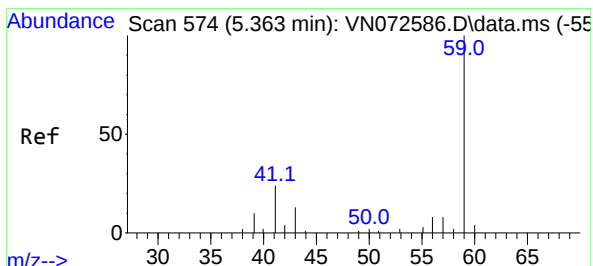
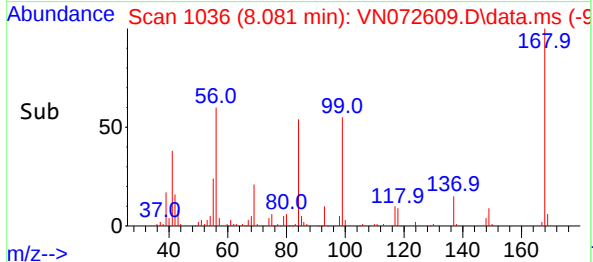
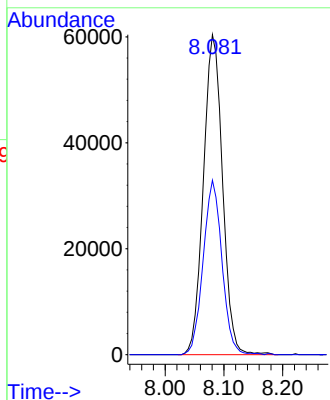
Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion:168 Resp: 136468
Ion Ratio Lower Upper
168 100
99 54.5 42.3 63.5

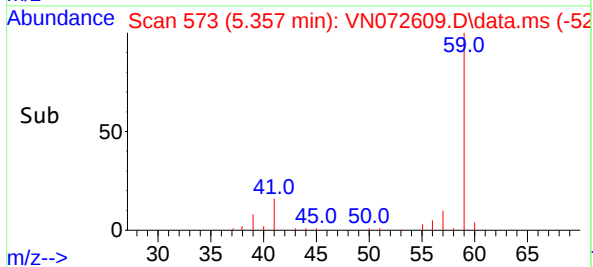
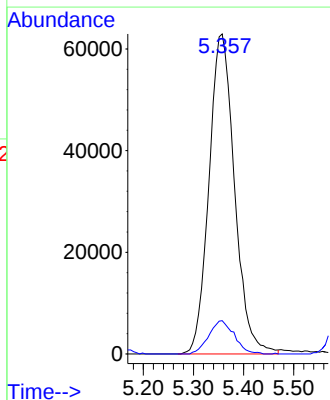
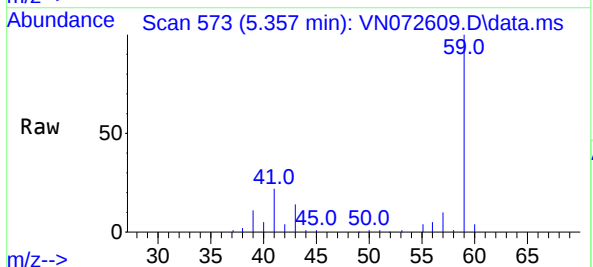
Manual Integrations
APPROVED

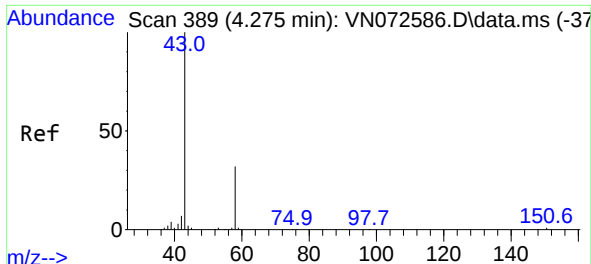
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022



#11
Tert butyl alcohol
Concen: 763.597 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.006 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

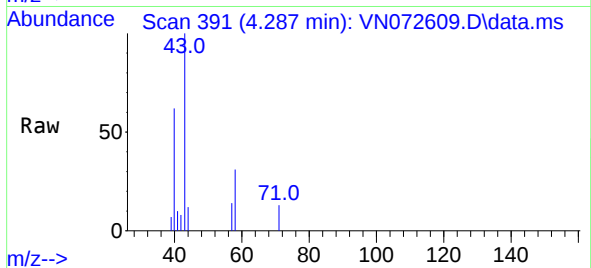
Tgt Ion: 59 Resp: 223206
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5





#16
Acetone
Concen: 14.296 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

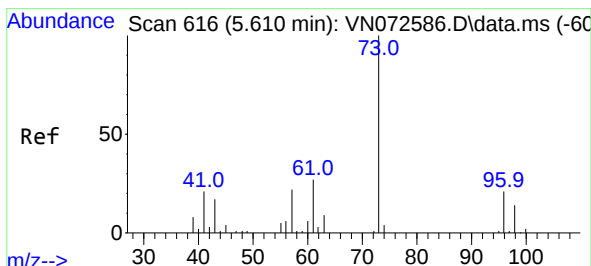
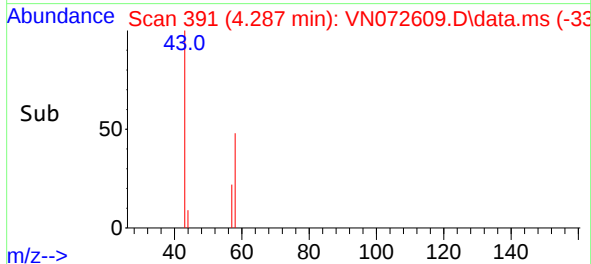
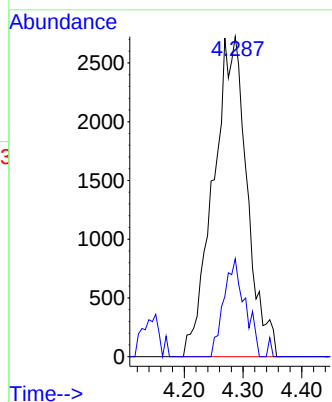
Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion: 43 Resp: 10908
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0

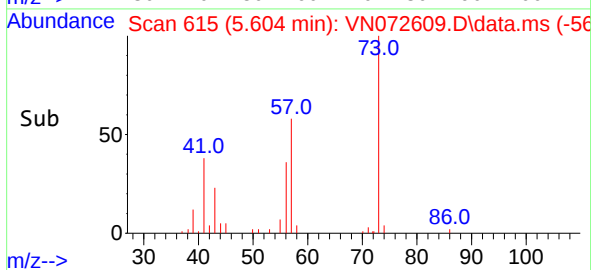
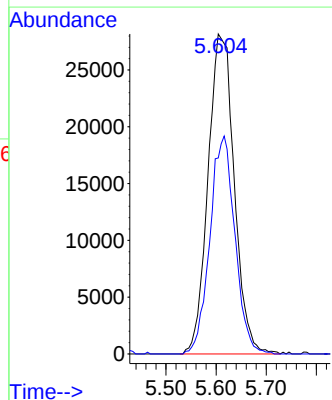
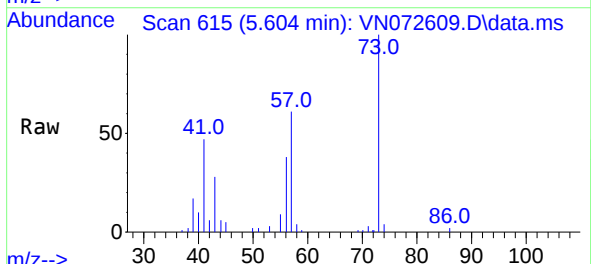
Manual Integrations
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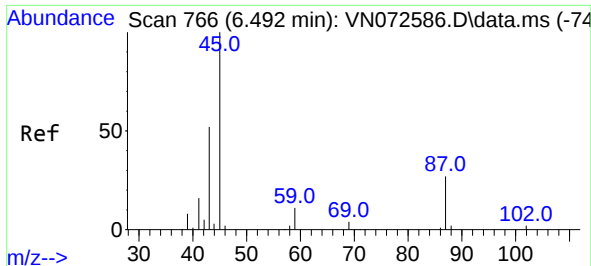
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022



#19
Methyl tert-butyl Ether
Concen: 24.055 ug/l
RT: 5.604 min Scan# 615
Delta R.T. -0.006 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

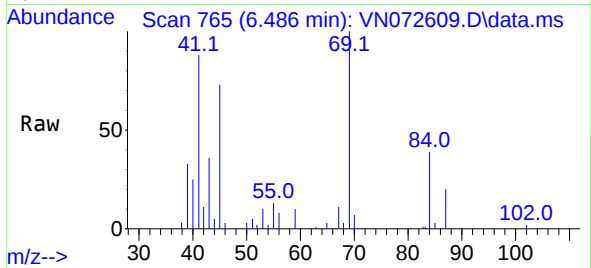
Tgt Ion: 73 Resp: 102334
Ion Ratio Lower Upper
73 100
57 61.3 17.6 26.4#





#22
Diisopropyl ether
Concen: 5.275 ug/l
RT: 6.486 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38

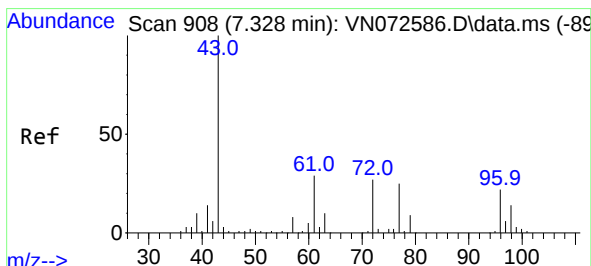
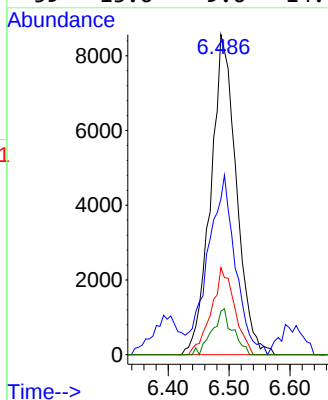
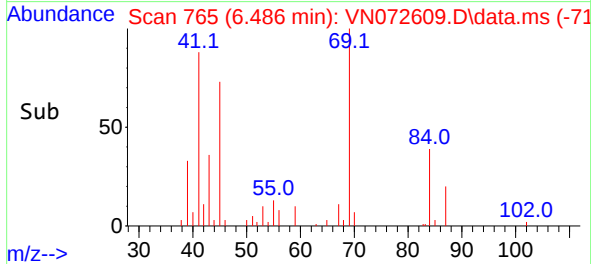


Tgt Ion: 45 Resp: 2508
Ion Ratio Lower Upper
45 100
43 43.3 46.6 70.0
87 27.2 24.3 36.5
59 13.6 9.6 14.4

Manual Integrations
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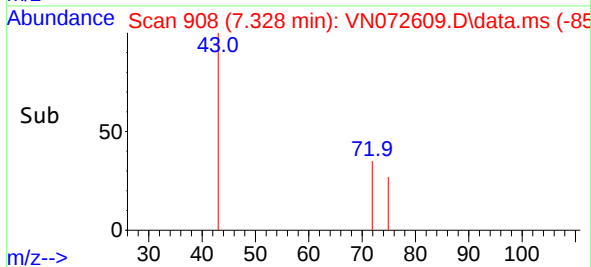
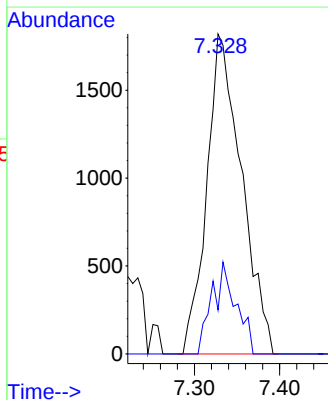
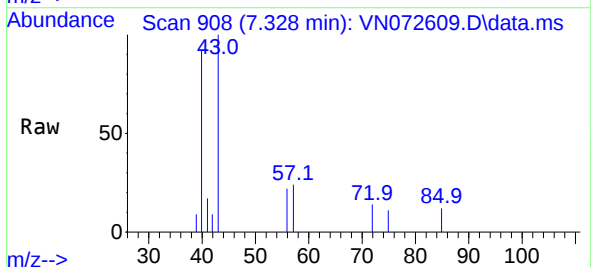
Reviewed By :John
Carlone
05/25/2022

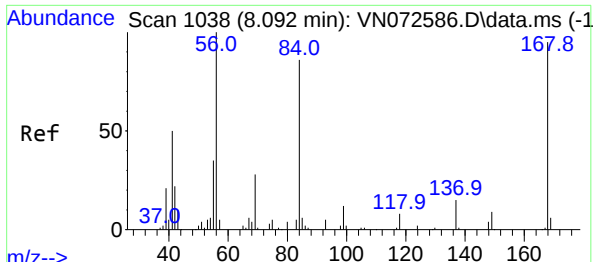
Supervised By :Mahesh
Dadoda
05/25/2022



#25
2-Butanone
Concen: 4.001 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

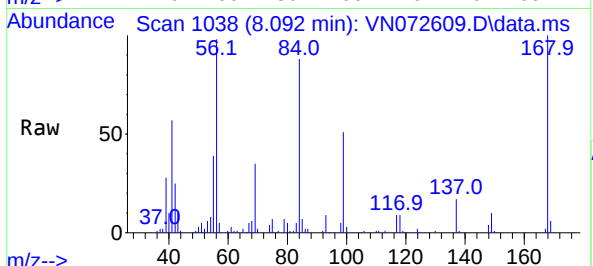
Tgt Ion: 43 Resp: 5151
Ion Ratio Lower Upper
43 100
72 13.7 23.7 35.5





#31
Cyclohexane
Concen: 48.129 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

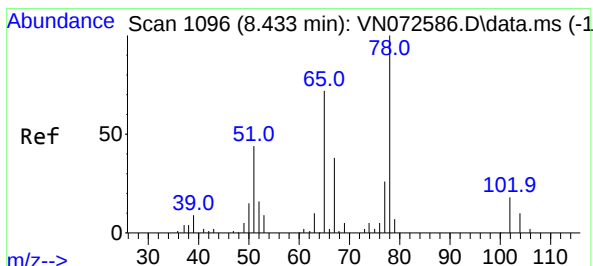
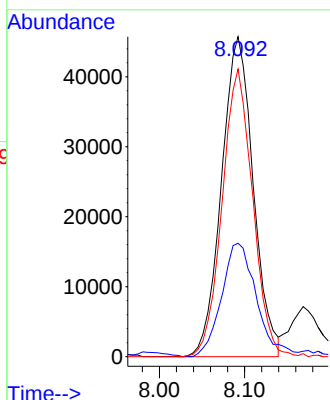
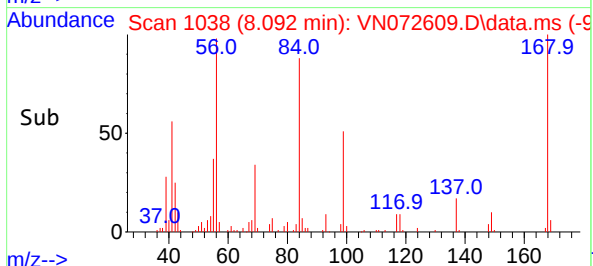
Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion: 56 Resp: 118340
Ion Ratio Lower Upper
56 100
69 35.0 27.8 41.8
84 89.9 76.9 115.3

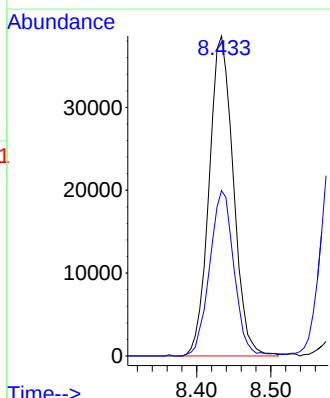
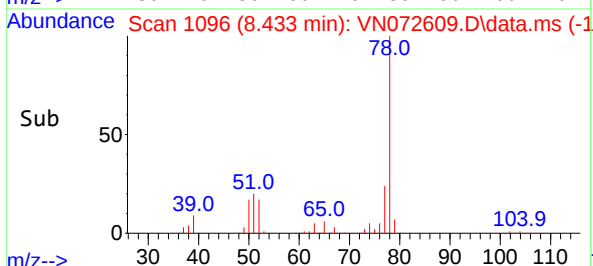
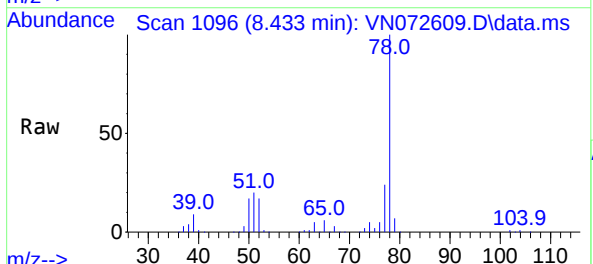
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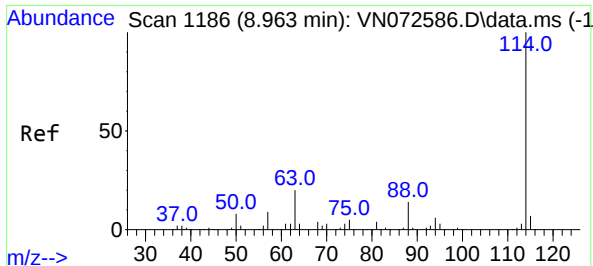
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022



#33
1,2-Dichloroethane-d4
Concen: 56.536 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

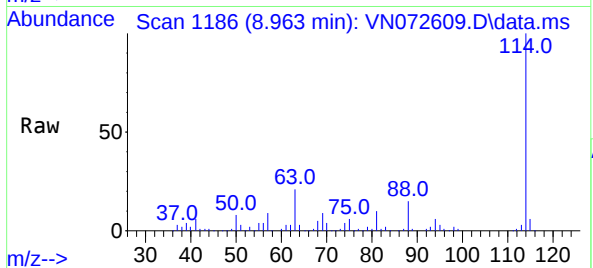
Tgt Ion: 65 Resp: 87761
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38

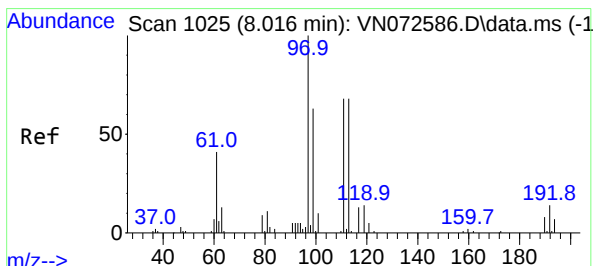
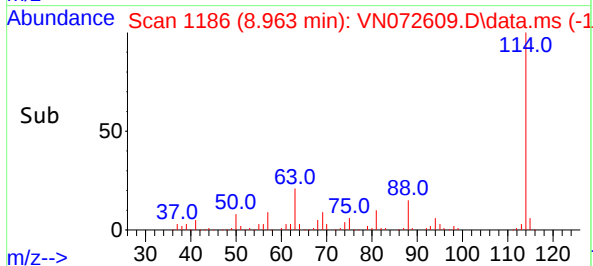
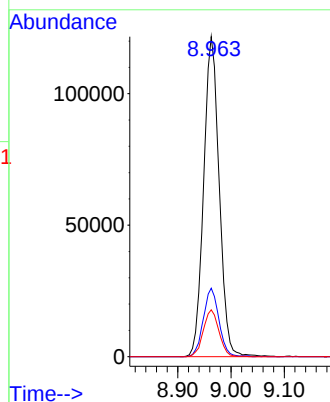


Tgt Ion:114 Resp: 24666
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 14.6 0.0 32.6

Manual Integrations
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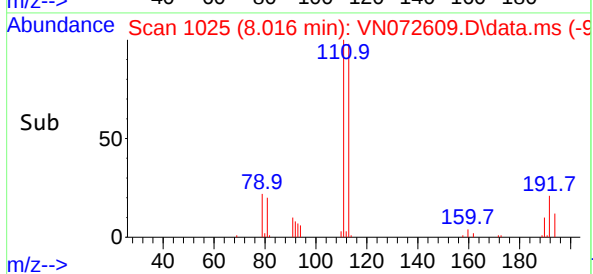
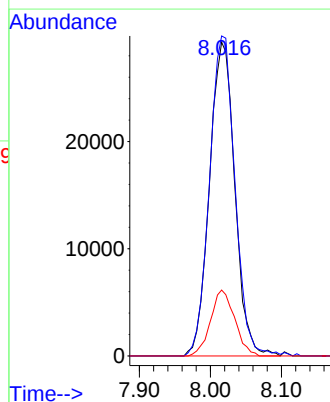
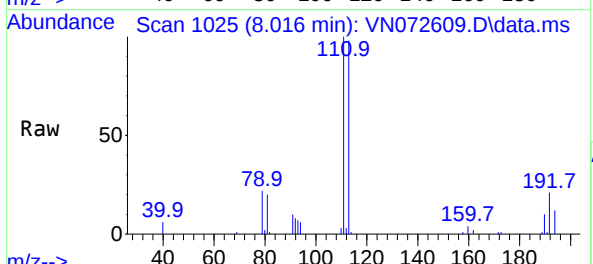
Reviewed By :John
Carlone
05/25/2022

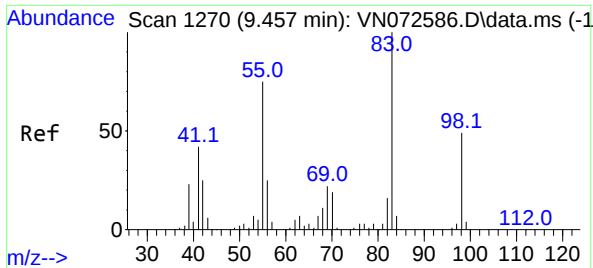
Supervised By :Mahesh
Dadoda
05/25/2022



#35
Dibromofluoromethane
Concen: 45.256 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

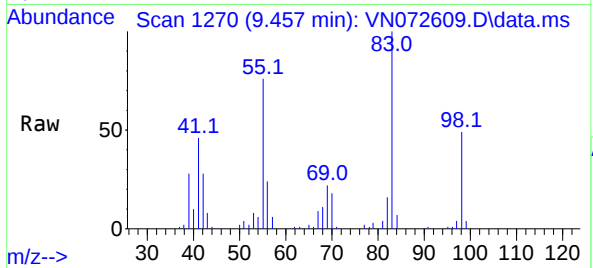
Tgt Ion:113 Resp: 72351
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 20.1 17.0 25.6





#39
Methylcyclohexane
Concen: 21.562 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

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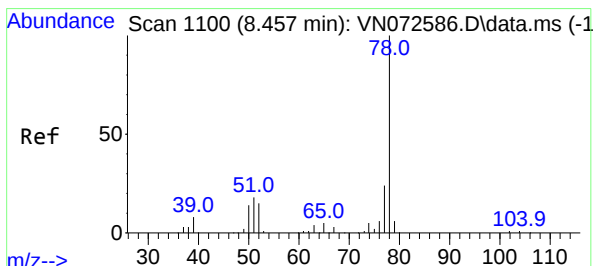
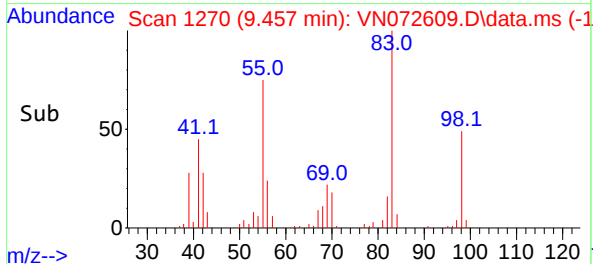
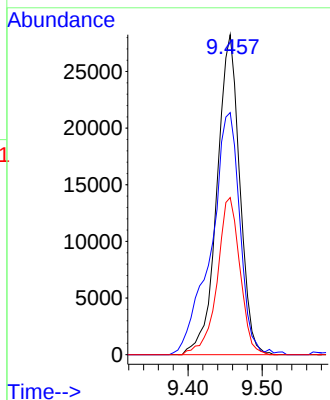


Tgt Ion: 83 Resp: 60094
Ion Ratio Lower Upper
83 100
55 74.9 57.8 86.8
98 49.1 39.4 59.2

Manual Integrations
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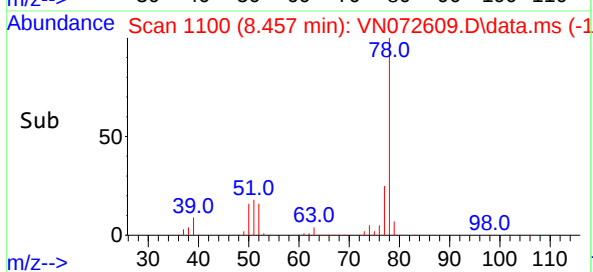
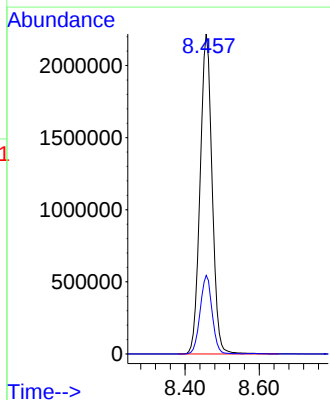
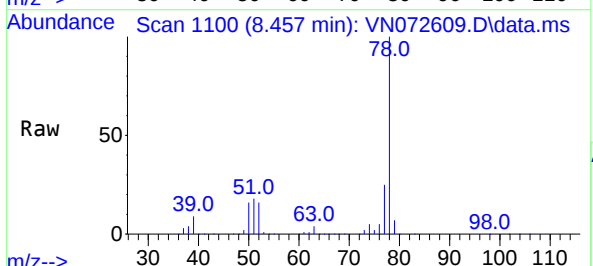
Reviewed By :John
Carlone
05/25/2022

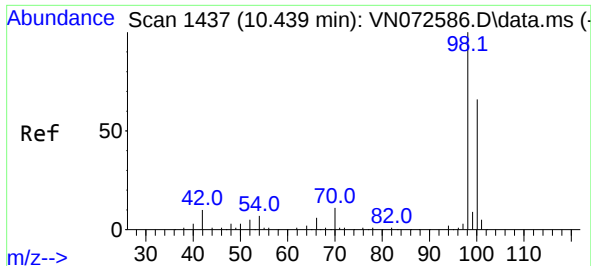
Supervised By :Mahesh
Dadoda
05/25/2022



#40
Benzene
Concen: 682.662 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

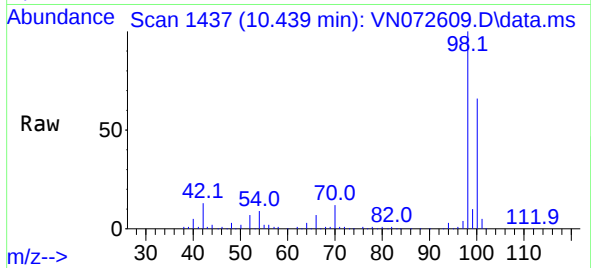
Tgt Ion: 78 Resp: 4982415
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

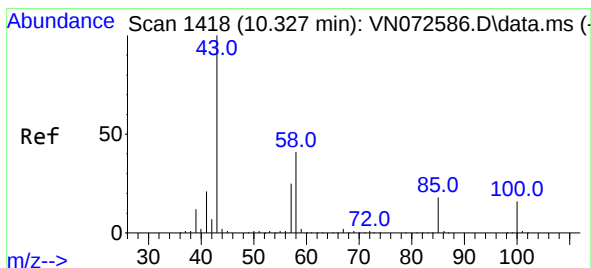
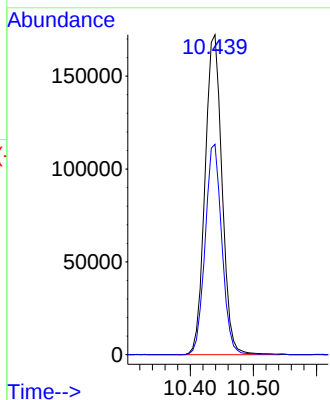
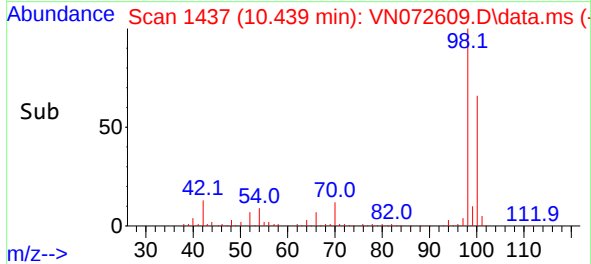
Instrument :
MSVOA_N
ClientSampleId :
MW-38



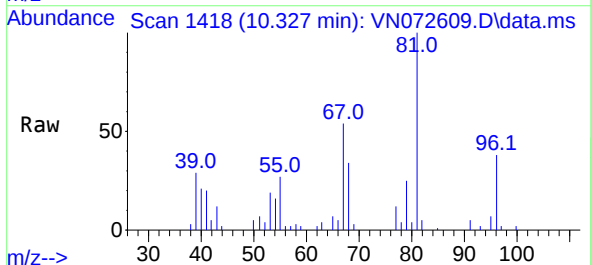
Tgt Ion: 98 Resp: 322410
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

Manual Integrations
APPROVED

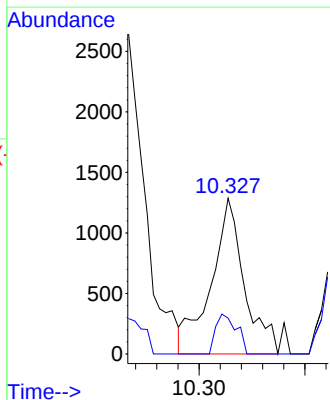
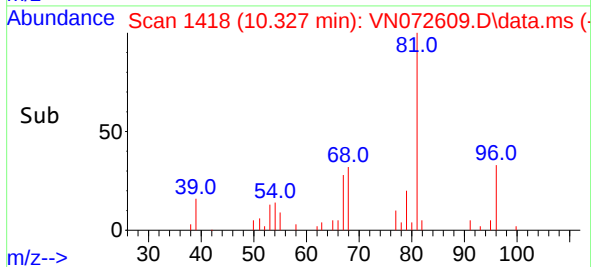
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022

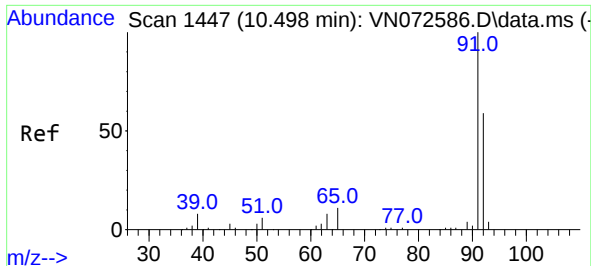


#51
4-Methyl-2-Pentanone
Concen: 0.978 ug/l m
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32



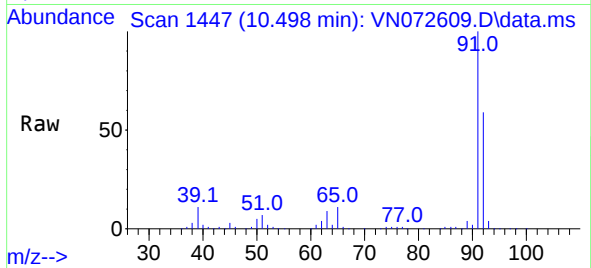
Tgt Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
58 16.0 34.1 51.1#





#52
Toluene
Concen: 43.824 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

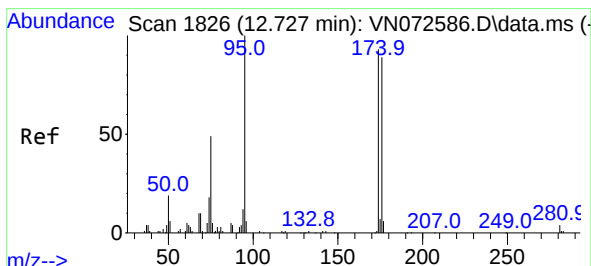
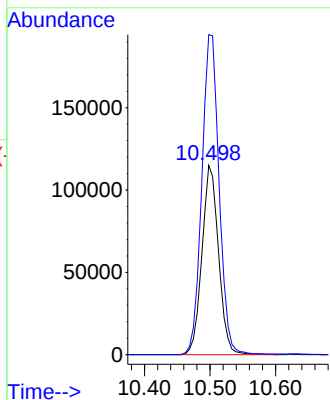
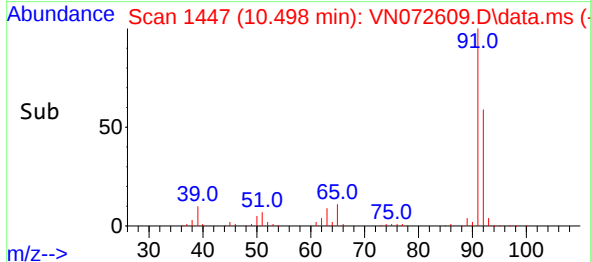
Instrument :
MSVOA_N
ClientSampleId :
MW-38



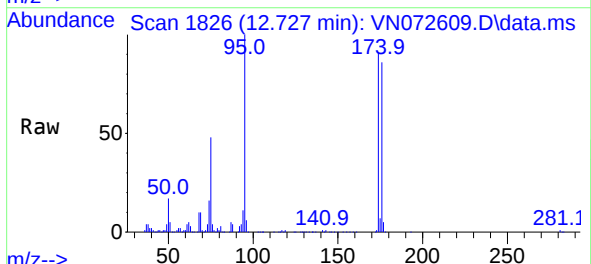
Tgt Ion: 92 Resp: 202550
Ion Ratio Lower Upper
92 100
91 176.3 138.6 207.8

Manual Integrations
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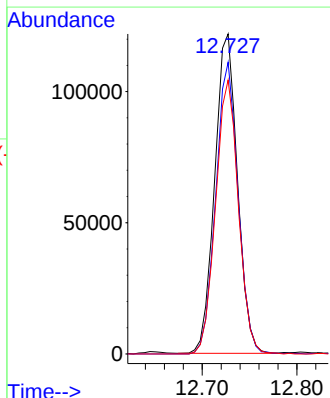
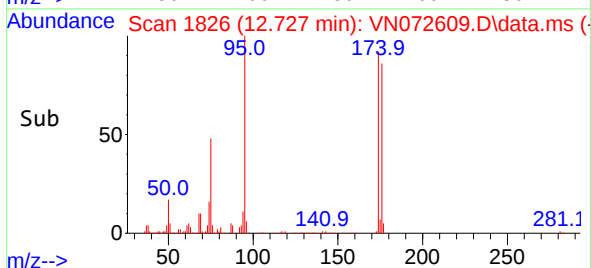
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022

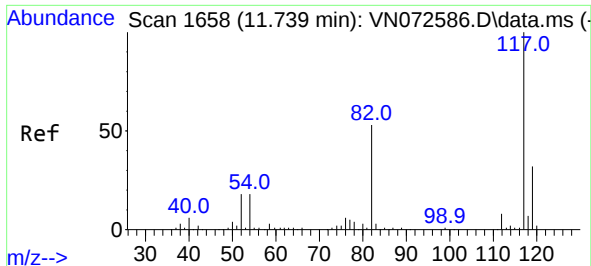


#62
4-Bromofluorobenzene
Concen: 102.291 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32



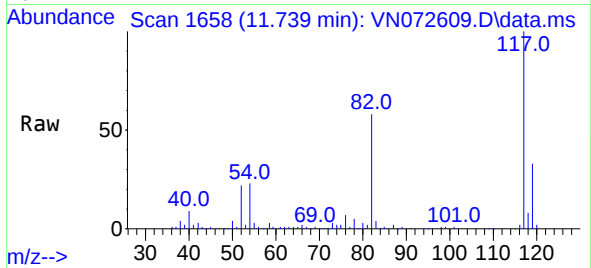
Tgt Ion: 95 Resp: 203087
Ion Ratio Lower Upper
95 100
174 89.9 0.0 167.6
176 85.8 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38

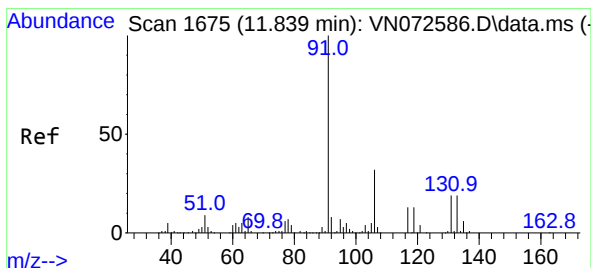
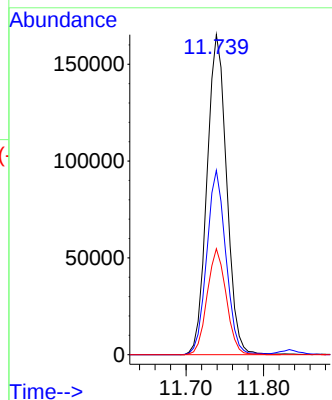


Tgt Ion:117 Resp: 290698
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 33.1 25.4 38.0

Manual Integrations
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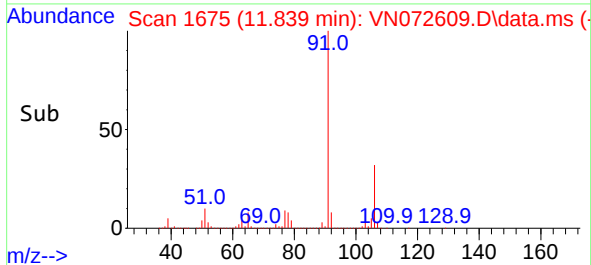
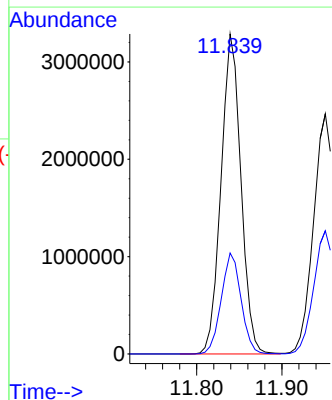
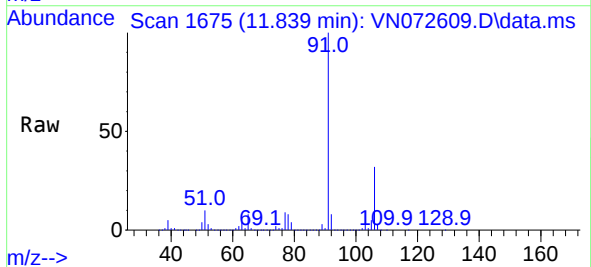
Reviewed By :John
Carlone
05/25/2022

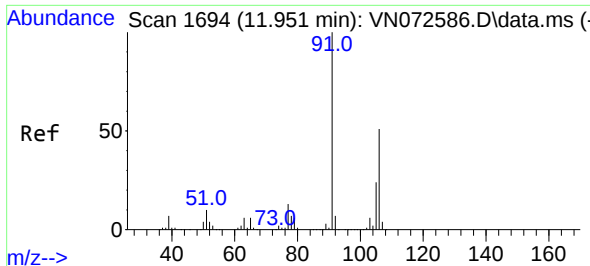
Supervised By :Mahesh
Dadoda
05/25/2022



#67
Ethyl Benzene
Concen: 482.009 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

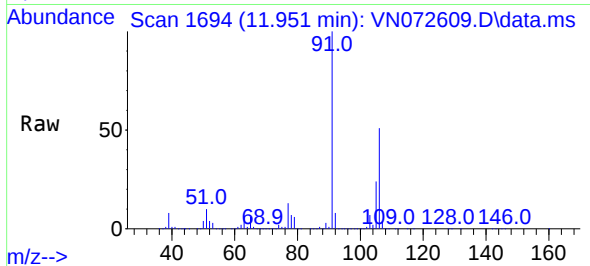
Tgt Ion: 91 Resp: 5336726
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#68
m/p-Xylenes
Concen: 537.160 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

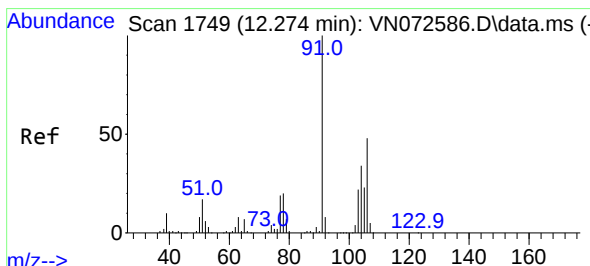
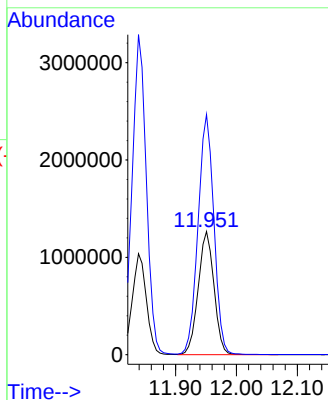
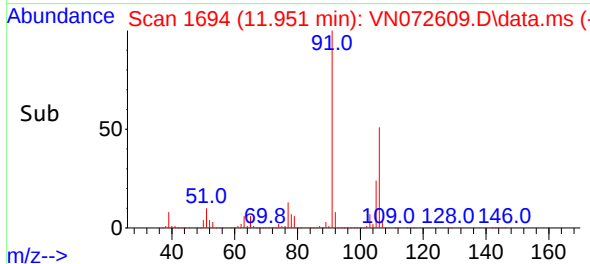
Instrument :
MSVOA_N
ClientSampleId :
MW-38



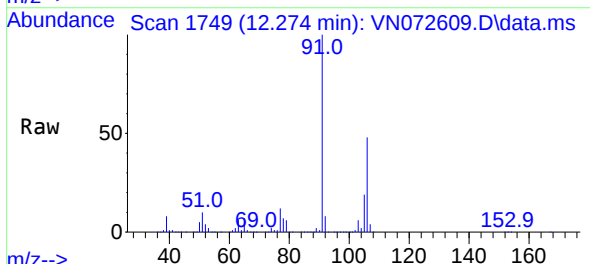
Tgt Ion:106 Resp: 2266910
Ion Ratio Lower Upper
106 100
91 196.5 158.9 238.3

Manual Integrations
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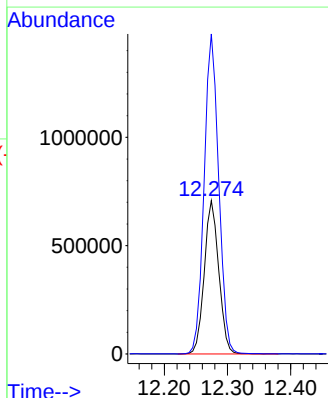
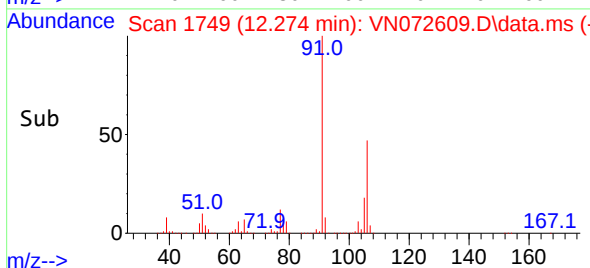
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022

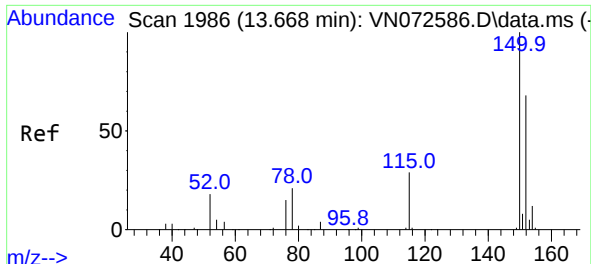


#69
o-Xylene
Concen: 276.488 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32



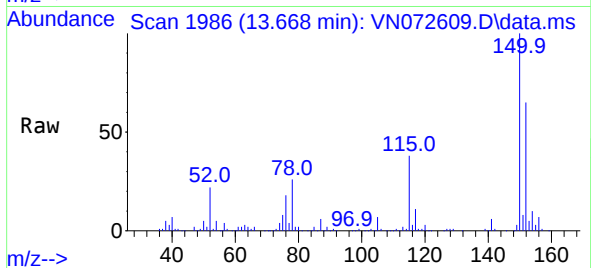
Tgt Ion:106 Resp: 1127961
Ion Ratio Lower Upper
106 100
91 209.6 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38

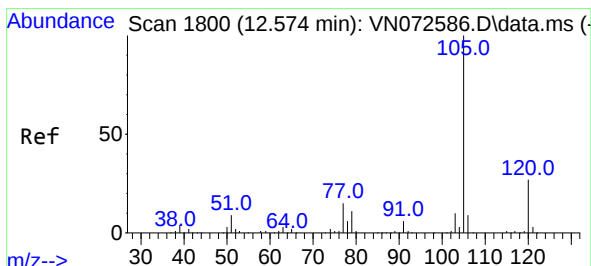
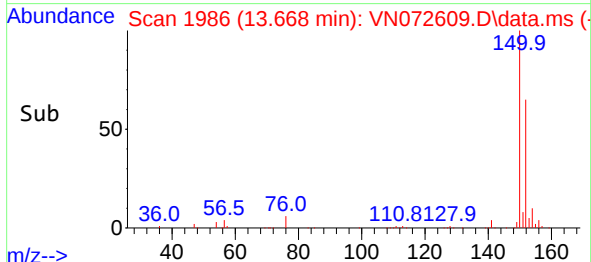
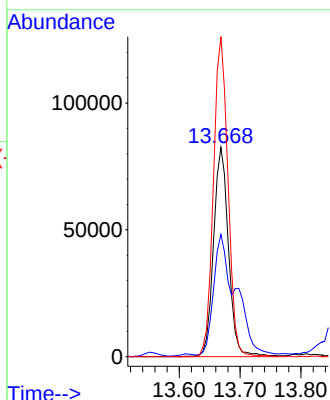


Tgt Ion:152 Resp: 14061
Ion Ratio Lower Upper
152 100
115 84.8 28.9 86.7
150 148.6 0.0 356.2

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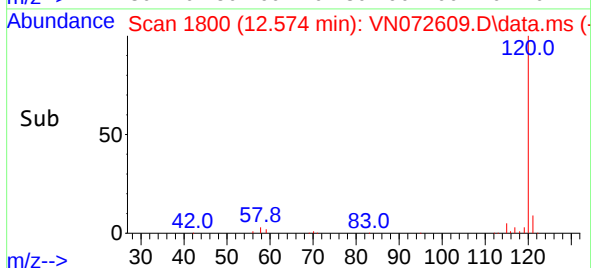
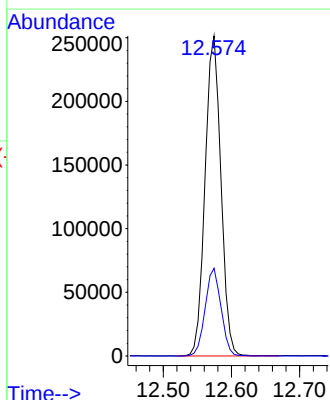
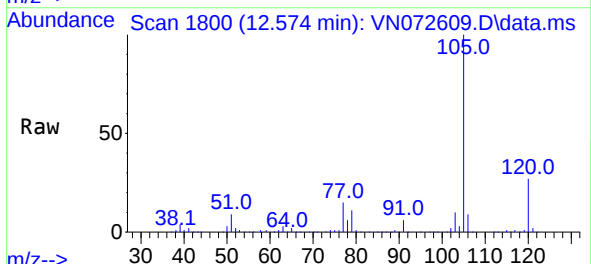
Reviewed By :John
Carlone
05/25/2022

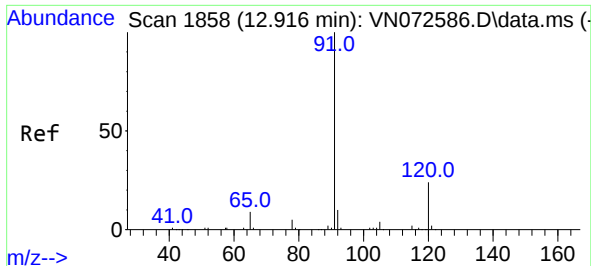
Supervised By :Mahesh
Dadoda
05/25/2022



#73
Isopropylbenzene
Concen: 32.484 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

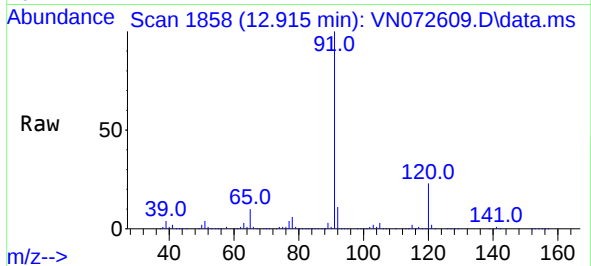
Tgt Ion:105 Resp: 406885
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#78
n-propylbenzene
Concen: 80.961 ug/l
RT: 12.915 min Scan# 1124462
Delta R.T. -0.001 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

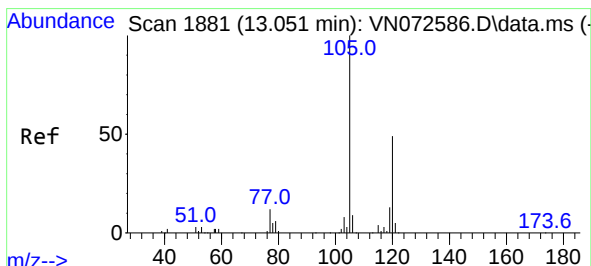
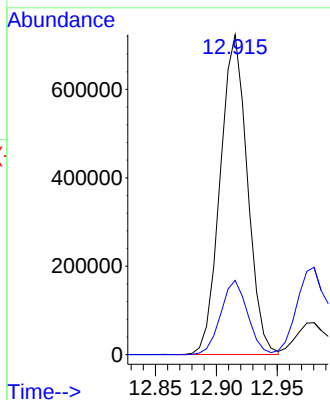
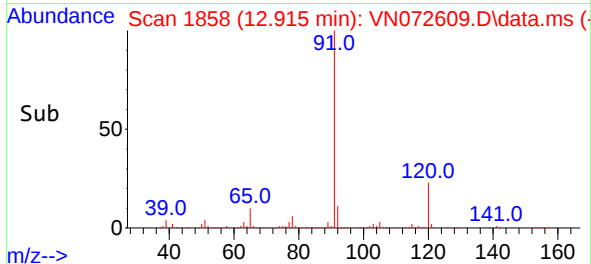
Instrument :
MSVOA_N
ClientSampleId :
MW-38



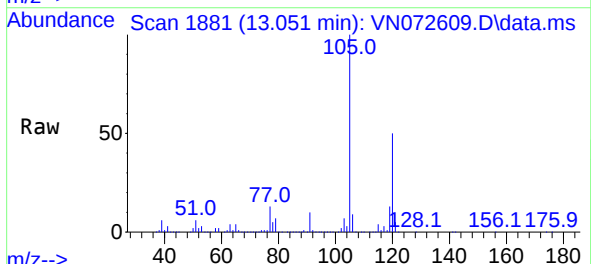
Tgt Ion: 91 Resp: 1124462
Ion Ratio Lower Upper
91 100
120 23.0 11.9 35.5

Manual Integrations
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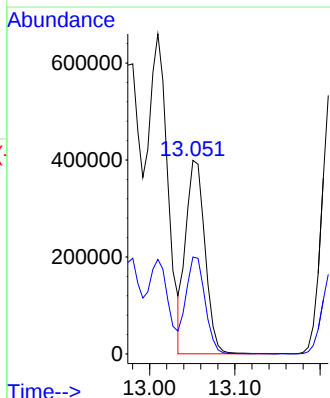
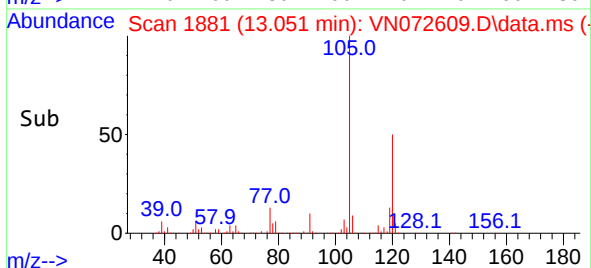
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022

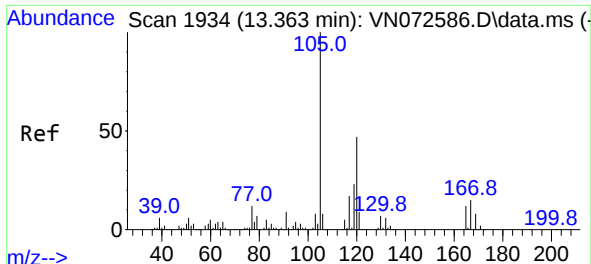


#80
1,3,5-Trimethylbenzene
Concen: 64.416 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32



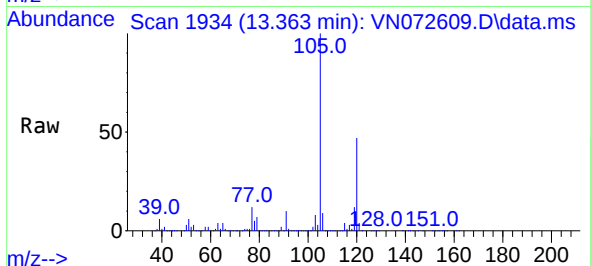
Tgt Ion:105 Resp: 627589
Ion Ratio Lower Upper
105 100
120 49.3 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 365.747 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

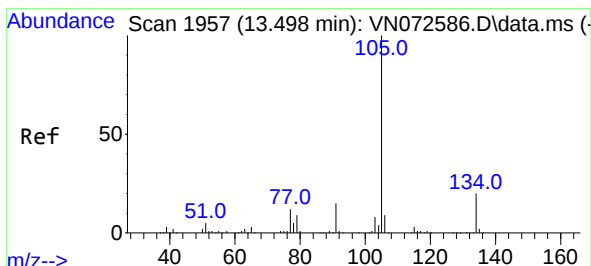
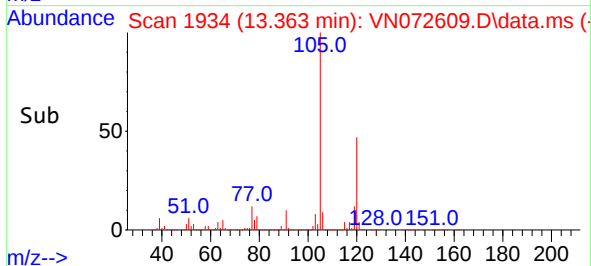
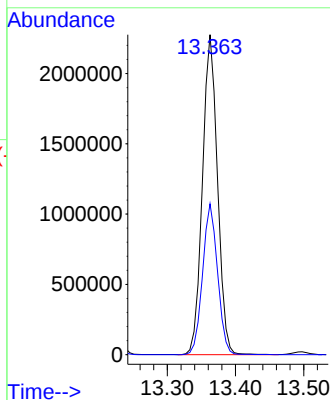
Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion:105 Resp: 3494340
Ion Ratio Lower Upper
105 100
120 46.9 23.3 69.8

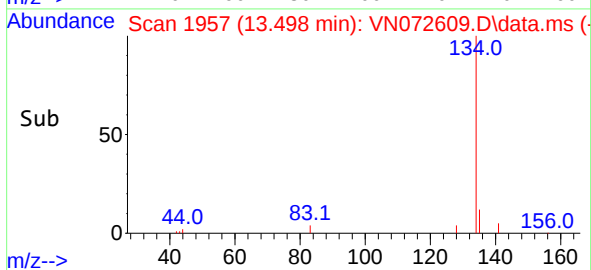
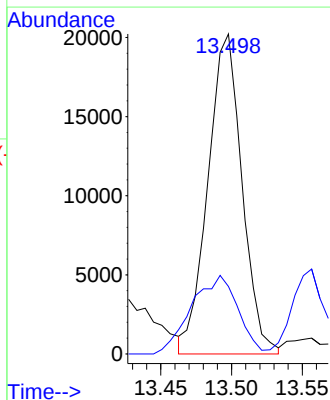
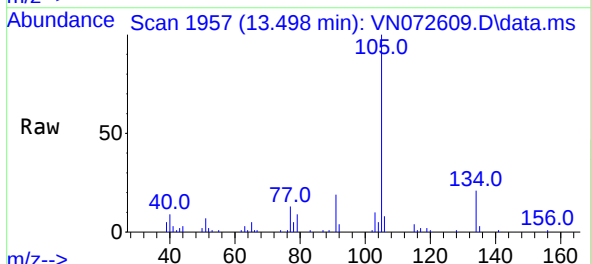
Manual Integrations
APPROVED

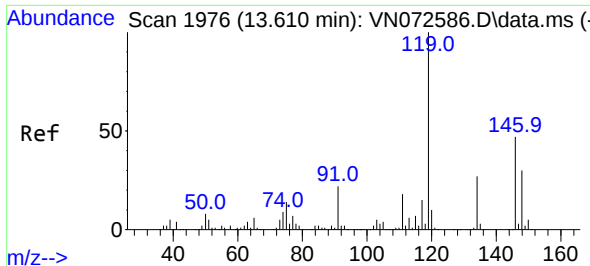
Reviewed By :John
Carlone
05/25/2022
Supervised By :Mahesh
Dadoda
05/25/2022



#85
sec-Butylbenzene
Concen: 2.794 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

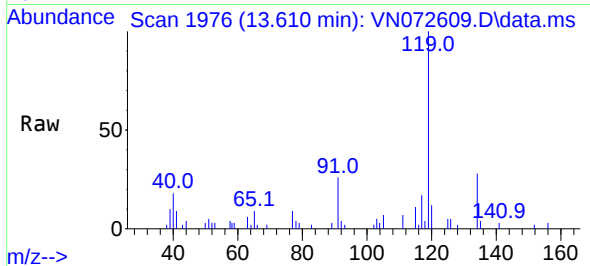
Tgt Ion:105 Resp: 33905
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 1.827 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38

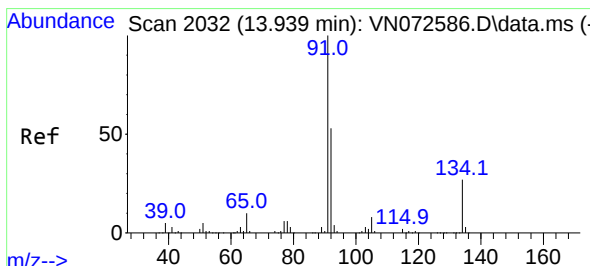
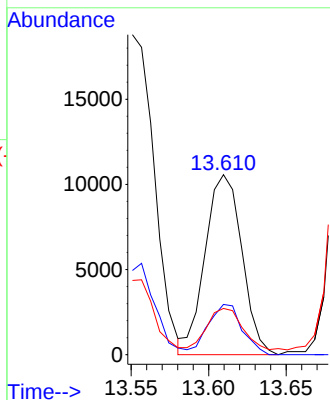
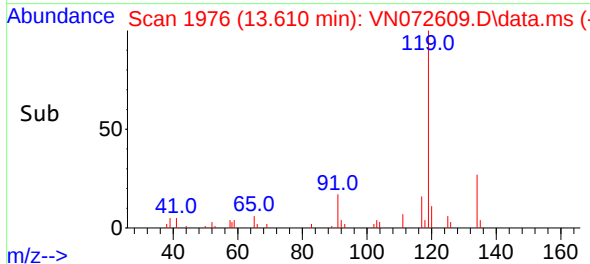


Tgt Ion:119 Resp: 1747
Ion Ratio Lower Upper
119 100
134 25.7 13.3 39.8
91 0.0 11.3 33.9

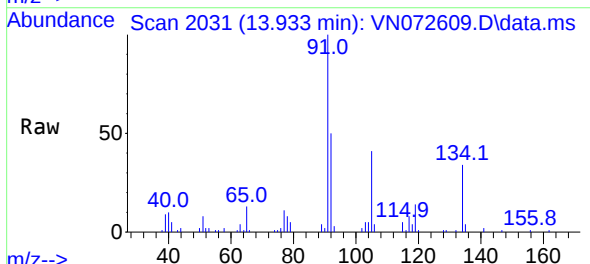
Manual Integrations
APPROVED

Reviewed By :John
Carlone
05/25/2022

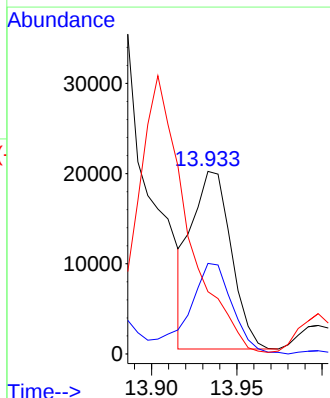
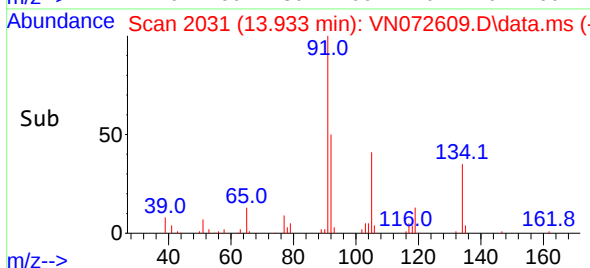
Supervised By :Mahesh
Dadoda
05/25/2022

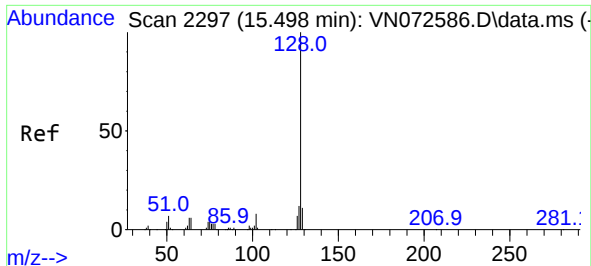


#89
n-Butylbenzene
Concen: 4.143 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32



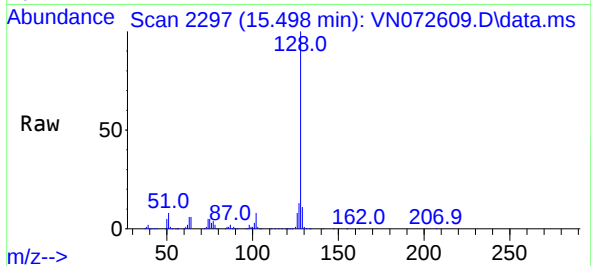
Tgt Ion: 91 Resp: 31975
Ion Ratio Lower Upper
91 100
92 54.6 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 117.383 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072609.D
Acq: 25 May 2022 00:32

Instrument :
MSVOA_N
ClientSampleId :
MW-38



Tgt Ion:128 Resp: 1027239
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.9 8.6 13.0

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Reviewed By :John
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05/25/2022

Supervised By :Mahesh
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05/25/2022

