

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070630.D
 Acq On : 14 Jan 2022 18:12
 Operator : JC/MD
 Sample : N1148-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-31R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 17 05:40:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	864745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1463237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1358757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	588143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	666020	53.567	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.140%			
35) Dibromofluoromethane	8.024	113	482777	54.531	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.060%			
50) Toluene-d8	10.440	98	2041024	56.434	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.860%			
62) 4-Bromofluorobenzene	12.731	95	850569	65.115	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 130.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	2711	0.203	ug/l	95
11) Tert butyl alcohol	5.393	59	80758	39.009	ug/l #	71
16) Acetone	4.291	43	70082m	8.683	ug/l	
19) Methyl tert-butyl Ether	5.618	73	1173487	35.879	ug/l #	1
22) Diisopropyl ether	6.506	45	52524	1.351	ug/l #	80
25) 2-Butanone	7.345	43	113411	11.160	ug/l #	84
31) Cyclohexane	8.094	56	1136125	57.906	ug/l	86
39) Methylcyclohexane	9.459	83	1219520	68.779	ug/l #	86
40) Benzene	8.461	78	1261414	28.093	ug/l	98
52) Toluene	10.505	92	86819	3.194	ug/l	97
67) Ethyl Benzene	11.846	91	9176070	173.714	ug/l	97
68) m/p-Xylenes	11.958	106	2800035	145.624	ug/l	94
69) o-Xylene	12.280	106	427335	22.344	ug/l	92
73) Isopropylbenzene	12.578	105	4570661	83.685	ug/l	98
78) n-propylbenzene	12.919	91	13599600	224.730	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	2109084	48.188	ug/l	96
84) 1,2,4-Trimethylbenzene	13.356	105	21162890m	502.138	ug/l	
85) sec-Butylbenzene	13.501	105	1076344	20.571	ug/l #	67
86) p-Isopropyltoluene	13.616	119	520159	12.655	ug/l	96
89) n-Butylbenzene	13.940	91	890099m	25.963	ug/l	
95) Naphthalene	15.507	128	1576326	58.507	ug/l	99

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

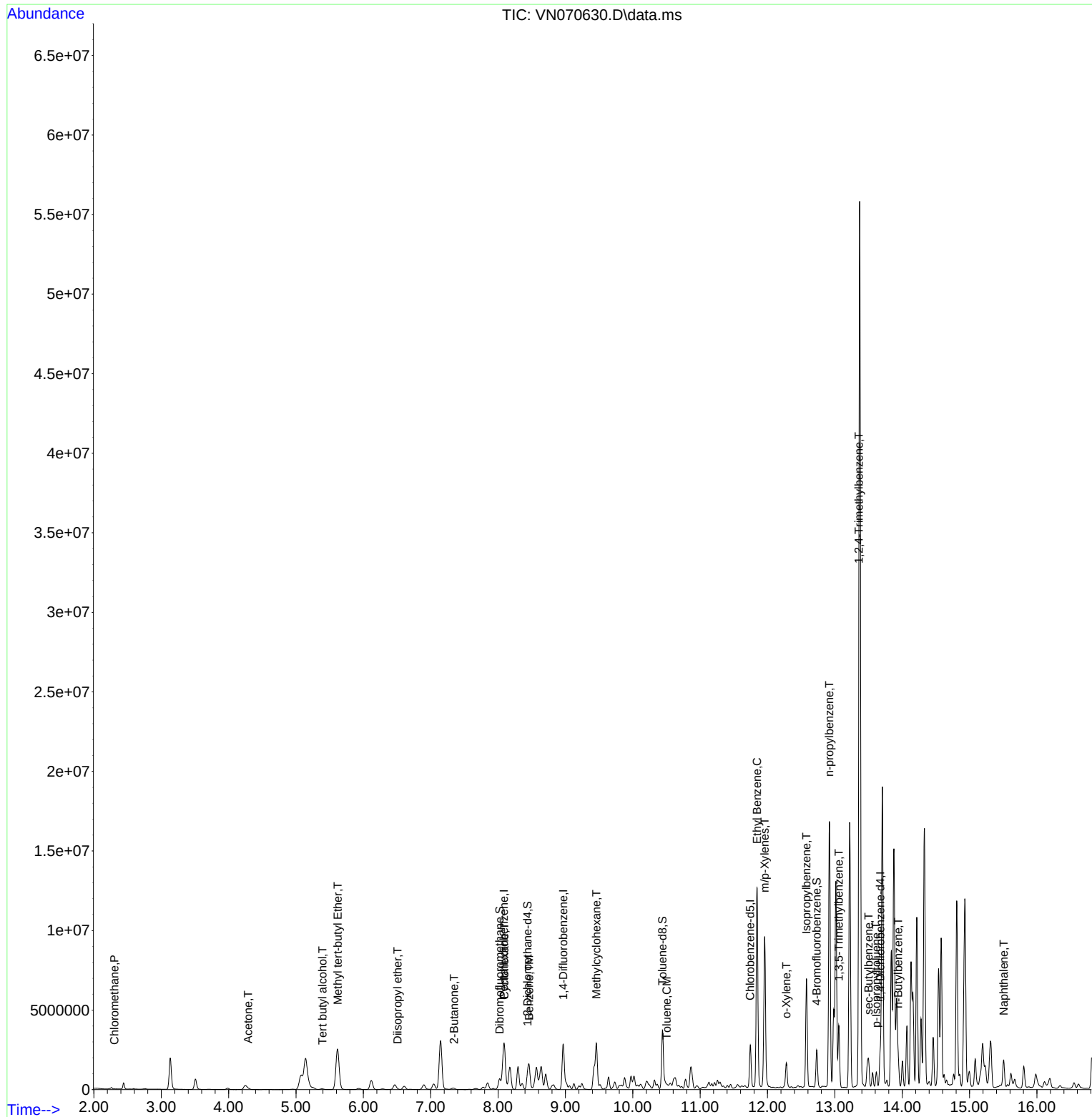
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
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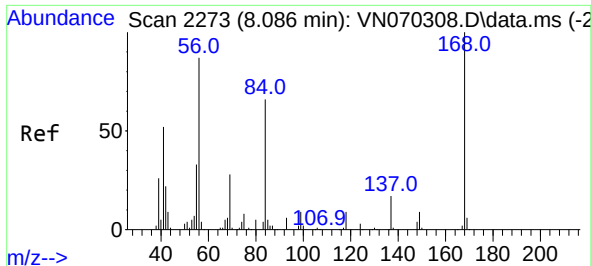
Instrument :
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ClientSampleId :
MW-31R

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Quant Title : SW846 8260
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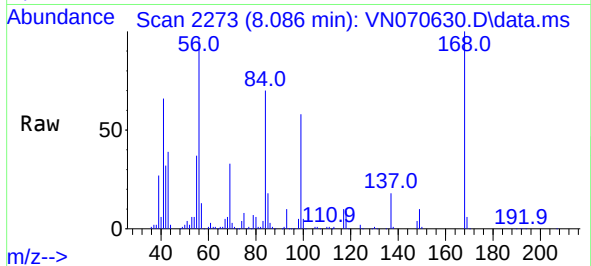
Reviewed By : John Carlone 01/17/2022
Supervised By : Mahesh Dadoda 01/25/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

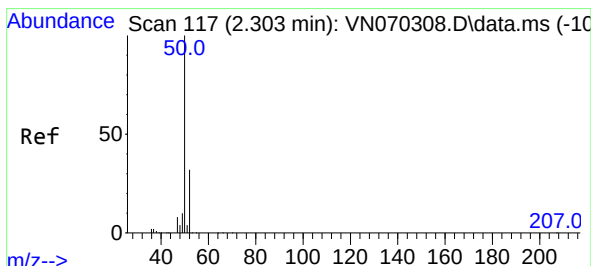
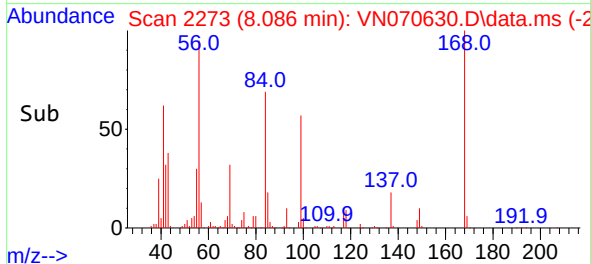
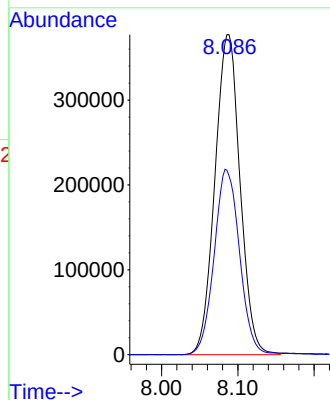
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



Tgt Ion:168 Resp: 864745
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9

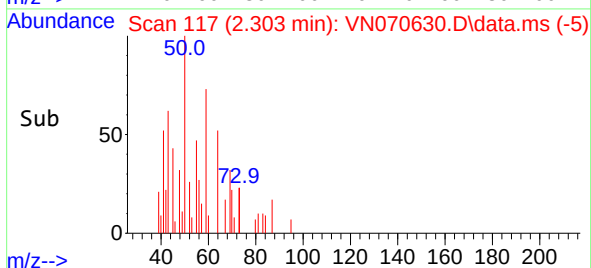
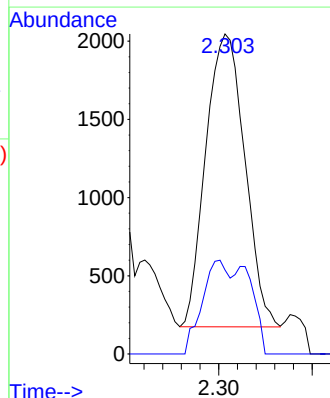
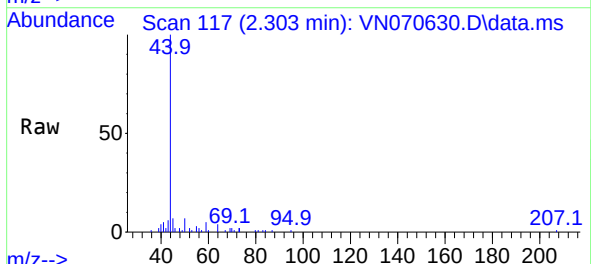
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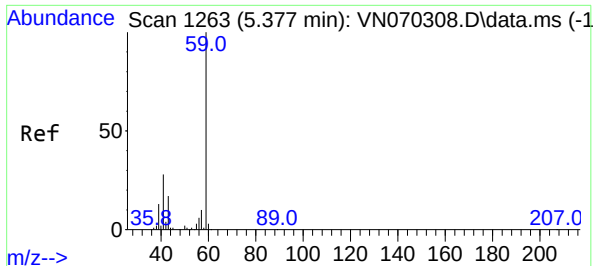
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

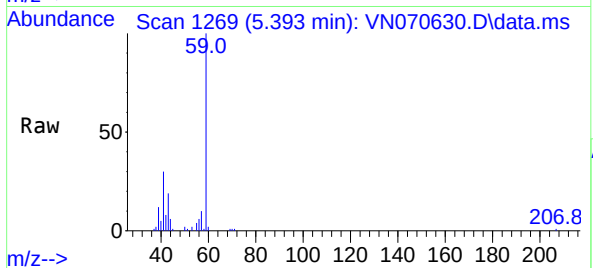
Tgt Ion: 50 Resp: 2711
Ion Ratio Lower Upper
50 100
52 28.7 25.4 38.0





#11
Tert butyl alcohol
Concen: 39.009 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.016 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

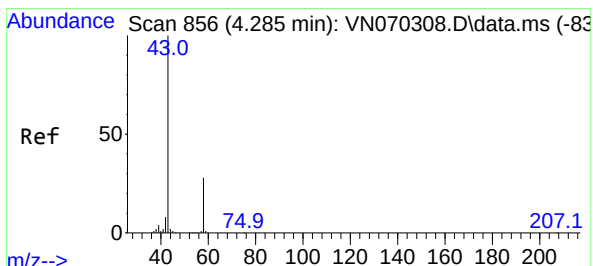
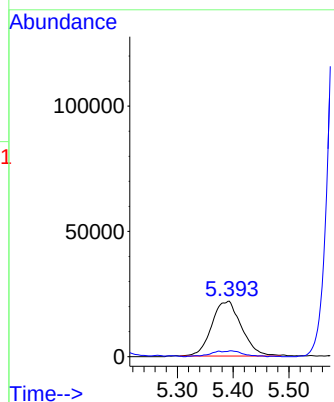
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



Tgt Ion: 59 Resp: 80758
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

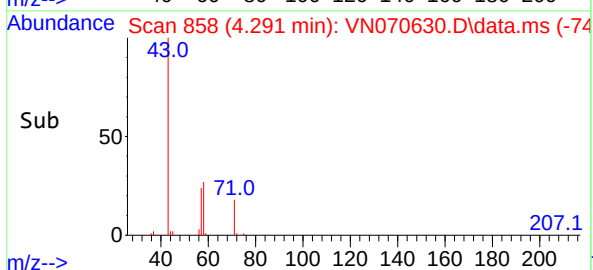
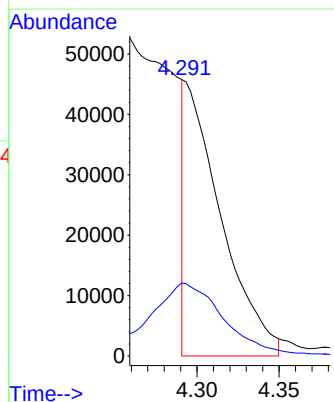
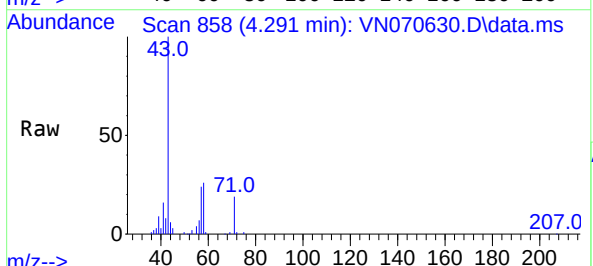
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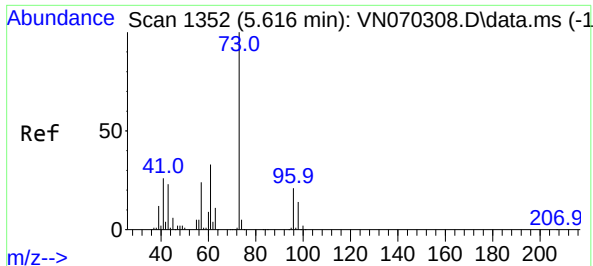
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022



#16
Acetone
Concen: 8.683 ug/l m
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

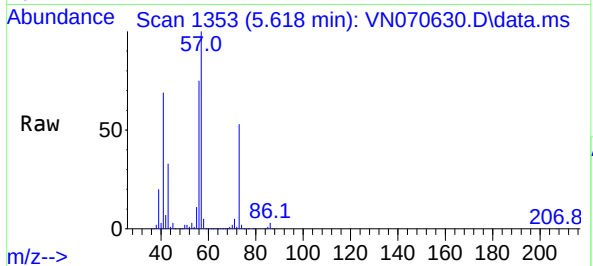
Tgt Ion: 43 Resp: 70082
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7





#19
Methyl tert-butyl Ether
Concen: 35.879 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.002 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

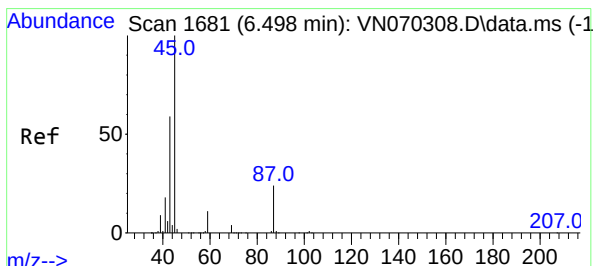
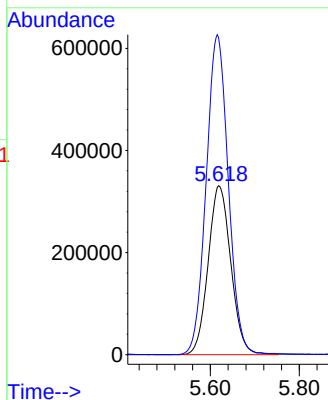
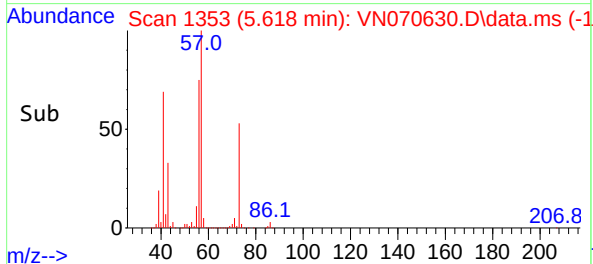
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



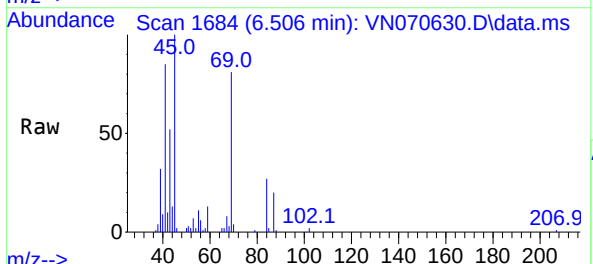
Tgt Ion: 73 Resp: 117348
Ion Ratio Lower Upper
73 100
57 187.6 16.8 25.2

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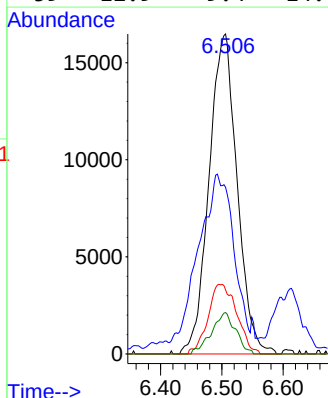
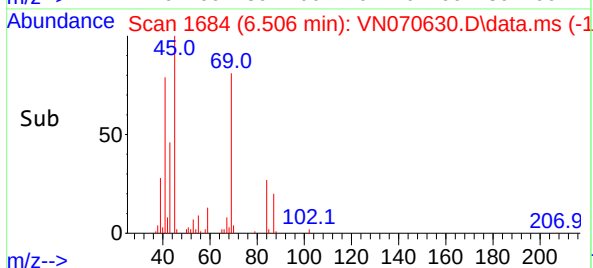
Reviewed By :John Carlone 01/17/2022
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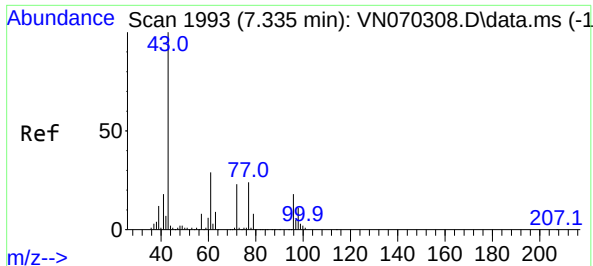


#22
Diisopropyl ether
Concen: 1.351 ug/l
RT: 6.506 min Scan# 1684
Delta R.T. 0.008 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



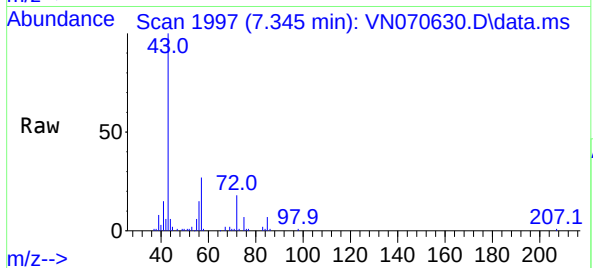
Tgt Ion: 45 Resp: 52524
Ion Ratio Lower Upper
45 100
43 45.7 51.7 77.5#
87 20.0 23.2 34.8#
59 12.9 9.4 14.0





#25
2-Butanone
Concen: 11.160 ug/l
RT: 7.345 min Scan# 1993
Delta R.T. 0.010 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

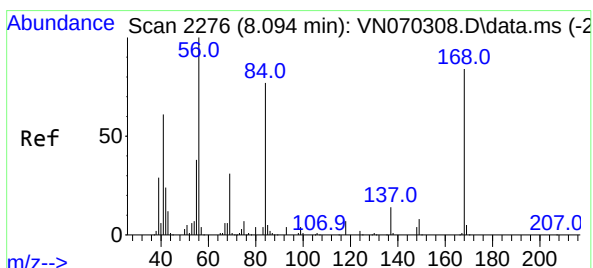
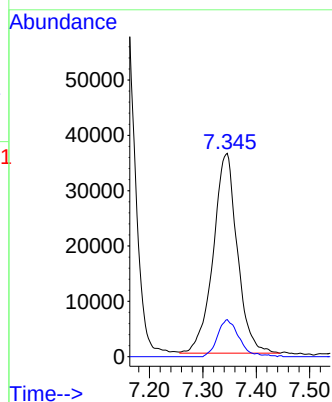
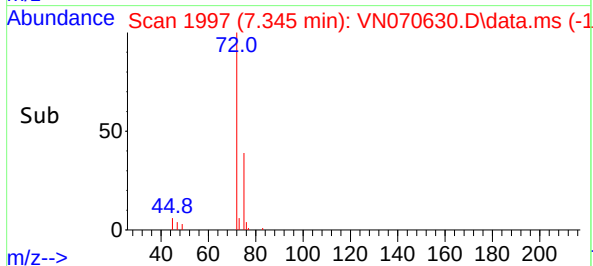
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MSVOA_N
ClientSampleId :
MW-31R



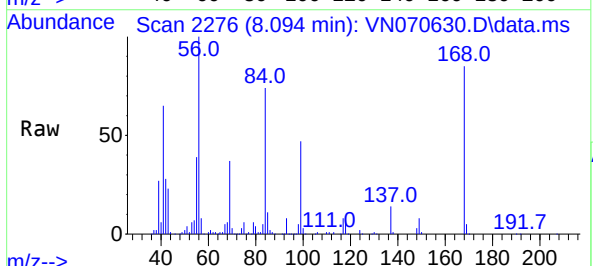
Tgt Ion: 43 Resp: 11341
Ion Ratio Lower Upper
43 100
72 18.6 21.7 32.5

Manual Integrations
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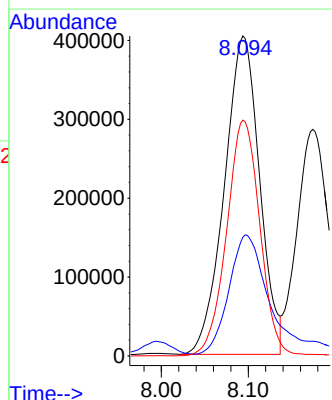
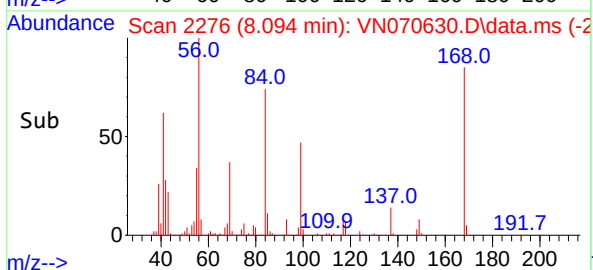
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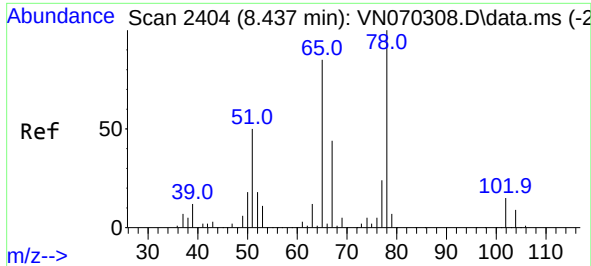


#31
Cyclohexane
Concen: 57.906 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



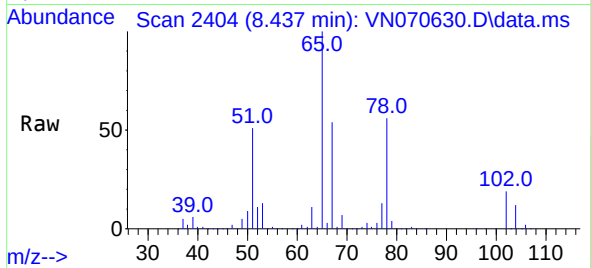
Tgt Ion: 56 Resp: 1136125
Ion Ratio Lower Upper
56 100
69 35.9 27.1 40.7
84 74.0 73.4 110.0





#33
1,2-Dichloroethane-d4
Concen: 53.567 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

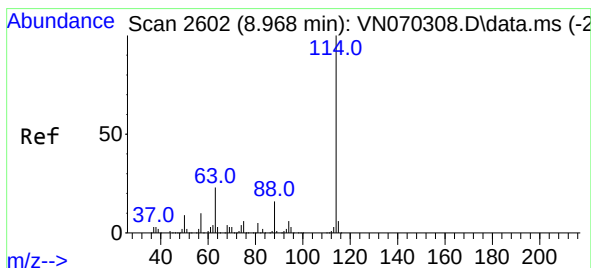
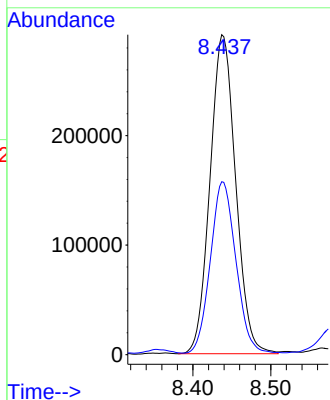
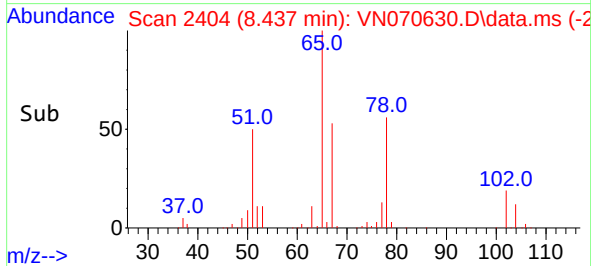
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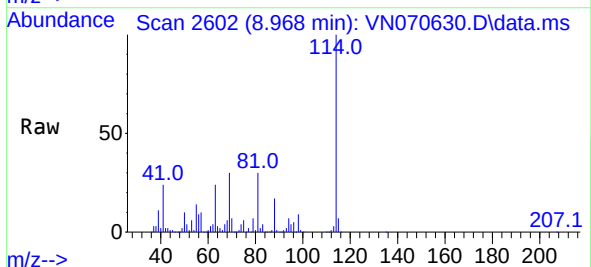
Tgt Ion: 65 Resp: 666020
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0

Manual Integrations
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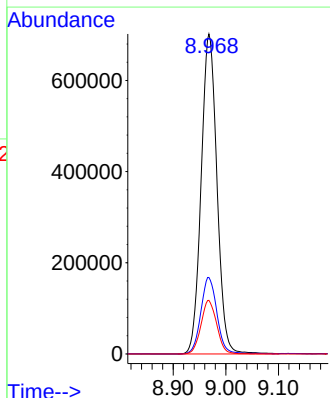
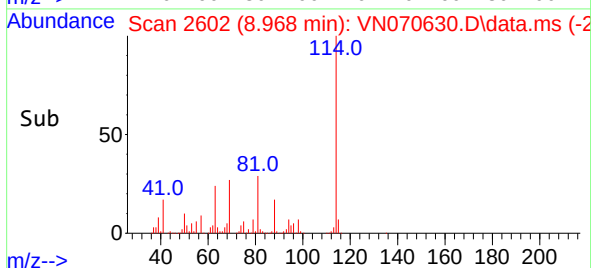
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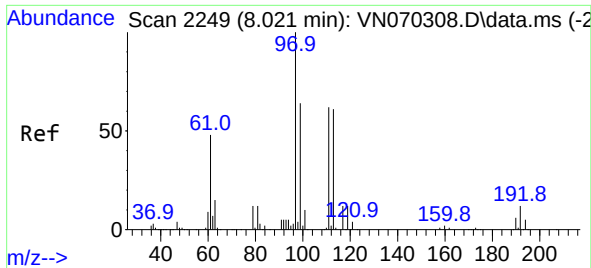


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



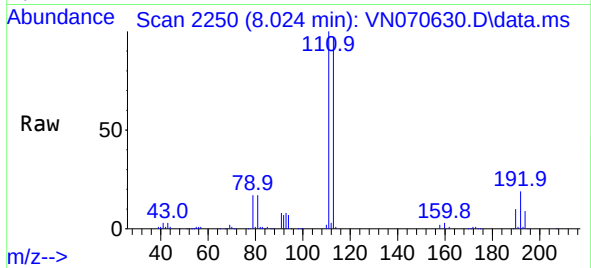
Tgt Ion:114 Resp: 1463237
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 16.7 0.0 27.4





#35
Dibromofluoromethane
Concen: 54.531 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

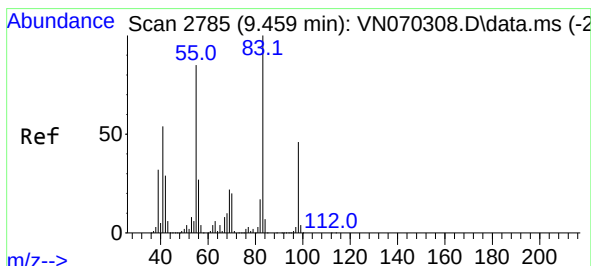
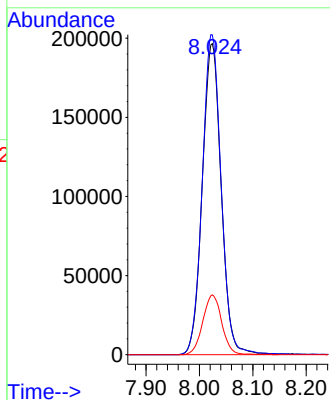
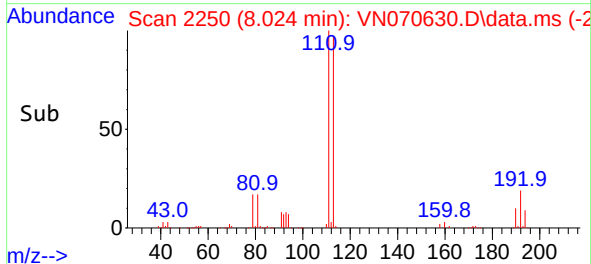
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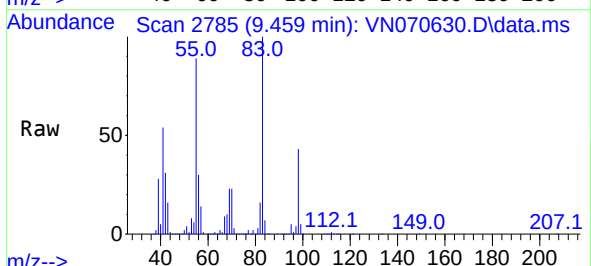
Tgt Ion: 113 Resp: 482777
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.2 16.9 25.3

Manual Integrations
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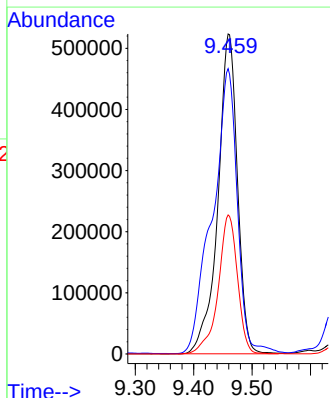
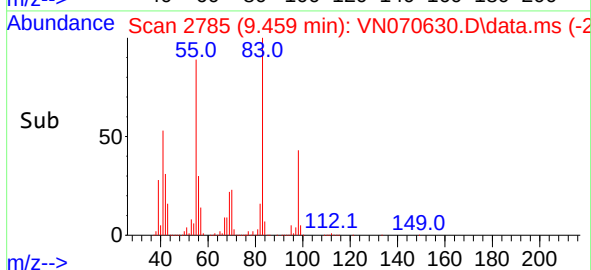
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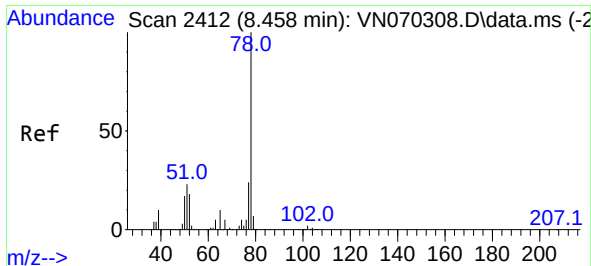


#39
Methylcyclohexane
Concen: 68.779 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



Tgt Ion: 83 Resp: 1219520
Ion Ratio Lower Upper
83 100
55 89.0 58.1 87.1#
98 43.5 38.4 57.6





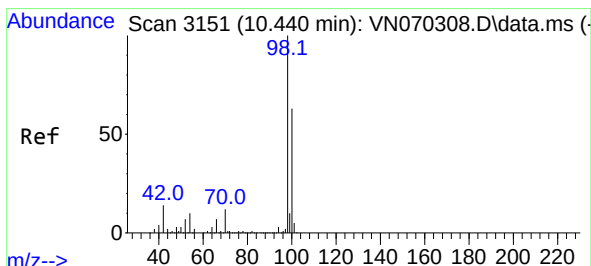
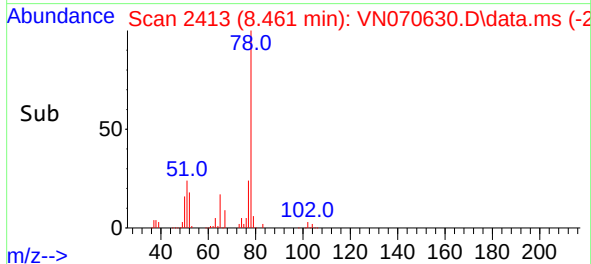
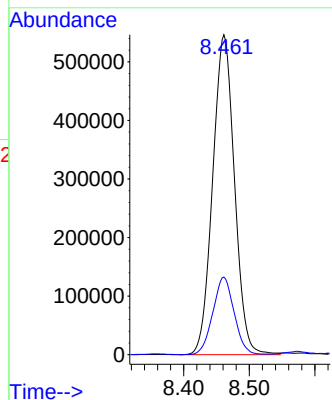
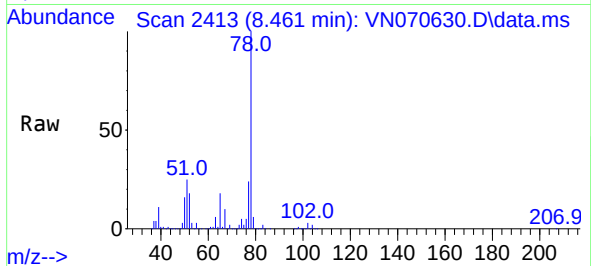
#40
Benzene
Concen: 28.093 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

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Tgt Ion: 78 Resp: 1261414
Ion Ratio Lower Upper
78 100
77 24.3 18.6 27.8

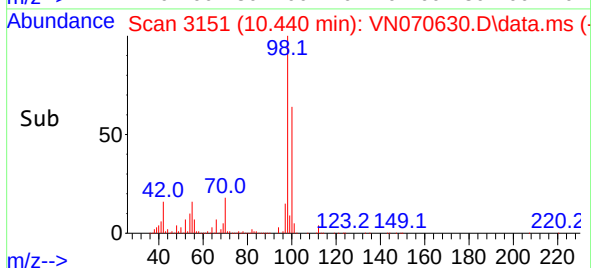
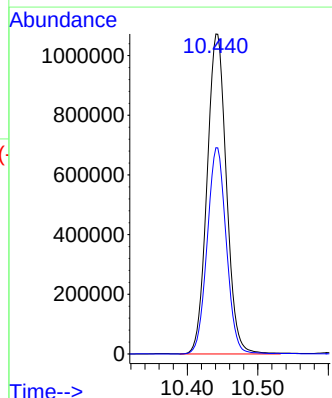
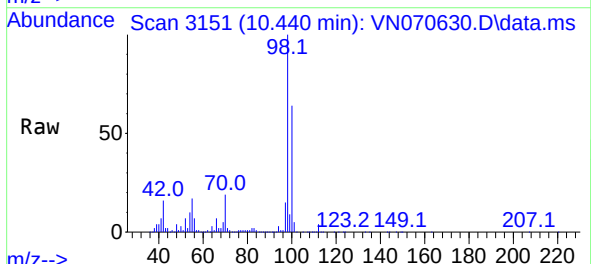
Manual Integrations
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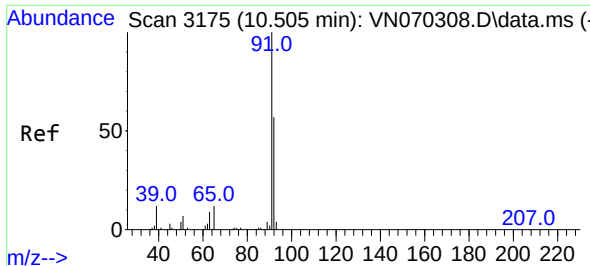
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022



#50
Toluene-d8
Concen: 56.434 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

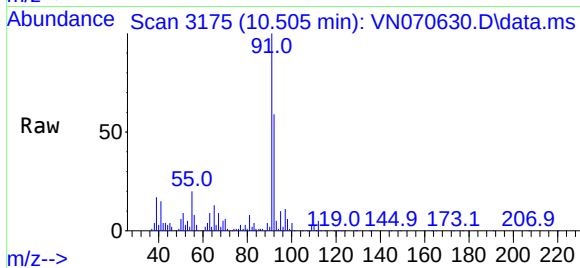
Tgt Ion: 98 Resp: 2041024
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6





#52
Toluene
Concen: 3.194 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

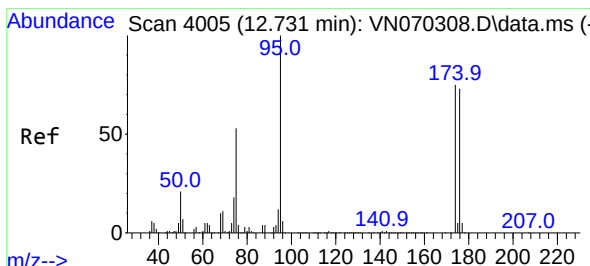
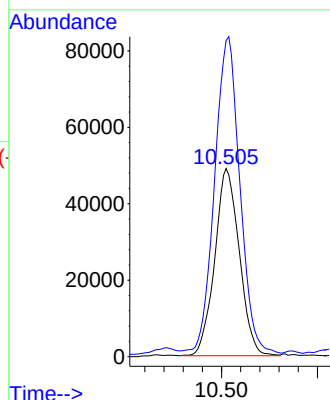
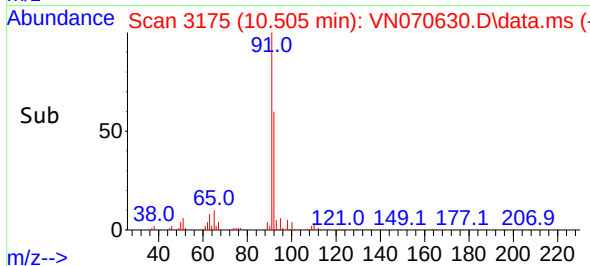
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



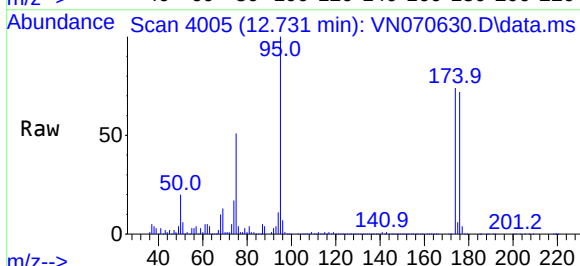
Tgt Ion: 92 Resp: 86819
Ion Ratio Lower Upper
92 100
91 173.9 142.0 213.0

Manual Integrations
APPROVED

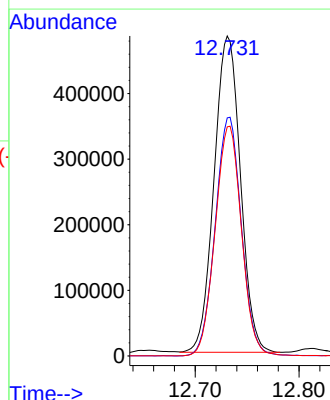
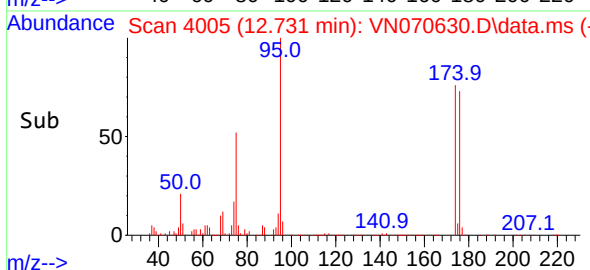
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022

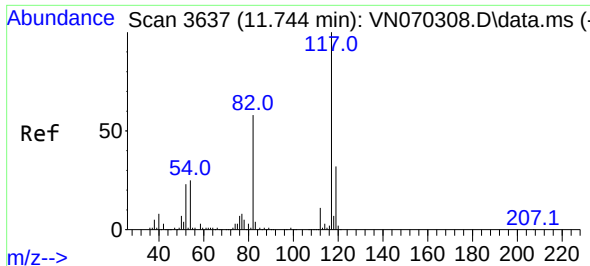


#62
4-Bromofluorobenzene
Concen: 65.115 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



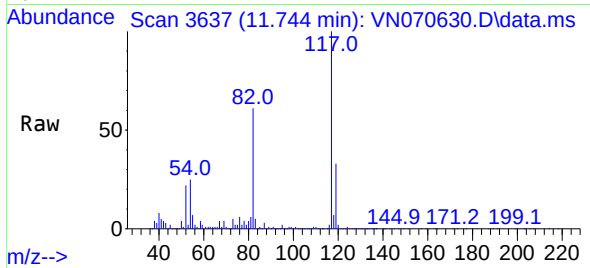
Tgt Ion: 95 Resp: 850569
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.6 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

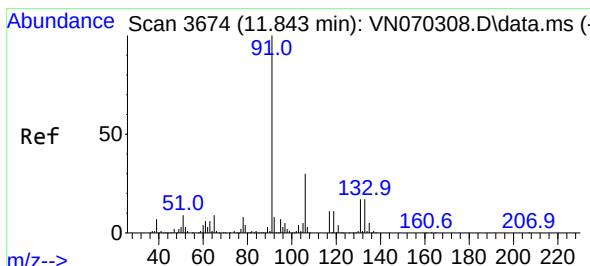
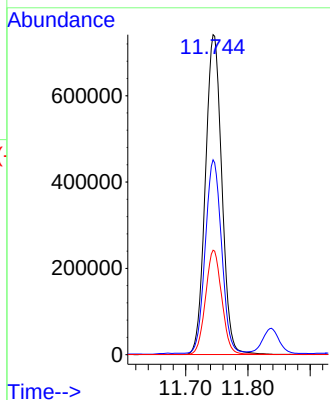
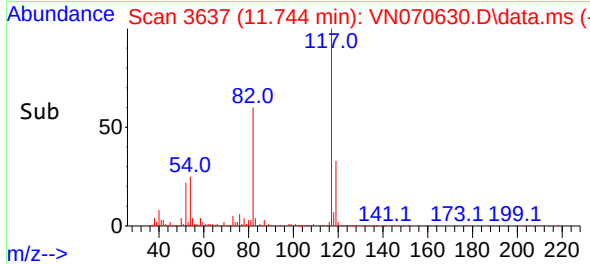
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



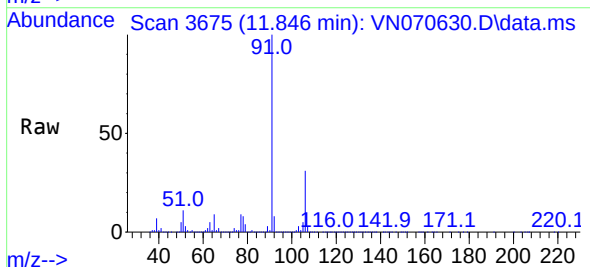
Tgt Ion: 117 Resp: 135875
Ion Ratio Lower Upper
117 100
82 60.5 42.4 63.6
119 32.6 25.4 38.2

Manual Integrations
APPROVED

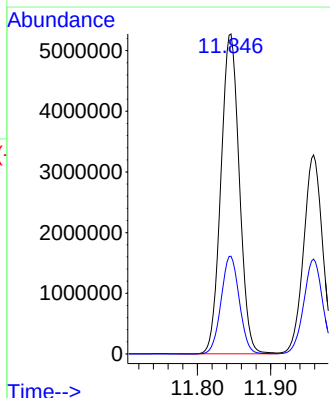
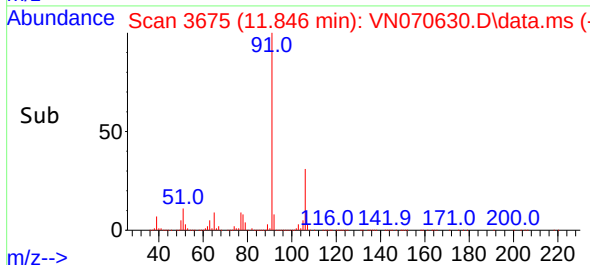
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022

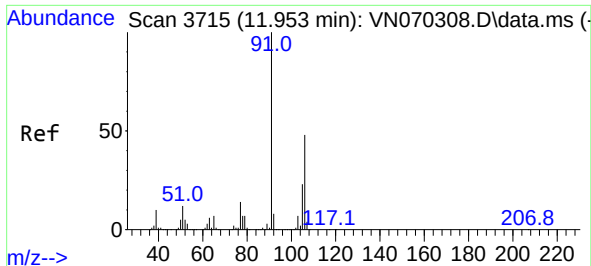


#67
Ethyl Benzene
Concen: 173.714 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



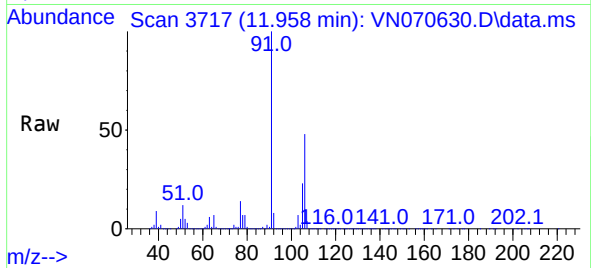
Tgt Ion: 91 Resp: 9176070
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5





#68
m/p-Xylenes
Concen: 145.624 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.005 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

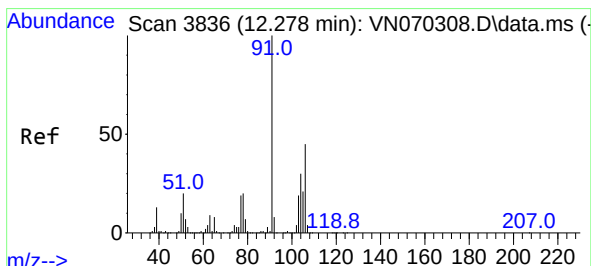
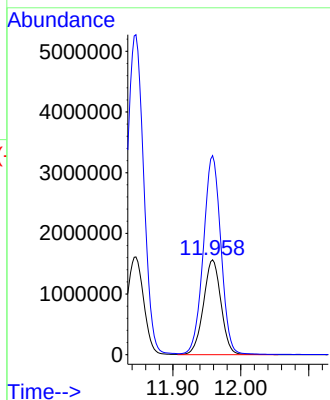
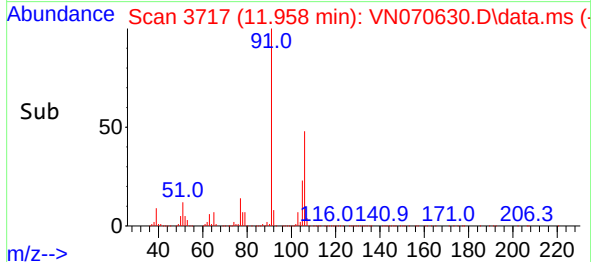
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



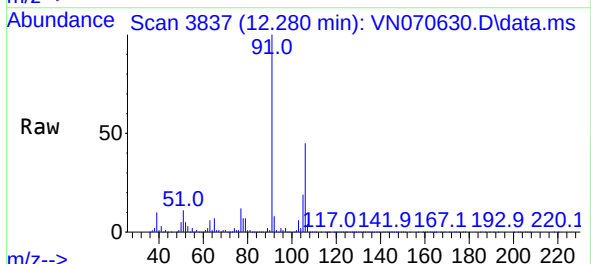
Tgt Ion:106 Resp: 2800035
Ion Ratio Lower Upper
106 100
91 210.4 160.6 240.8

Manual Integrations
APPROVED

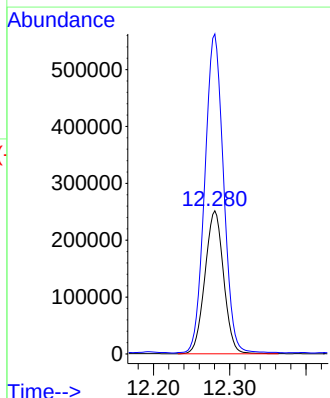
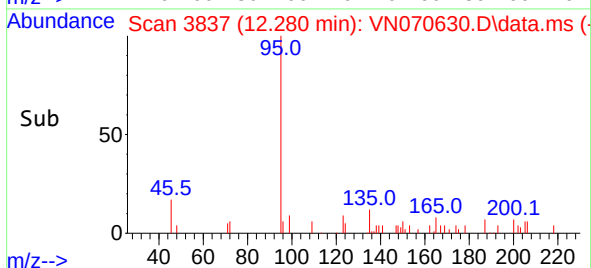
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022

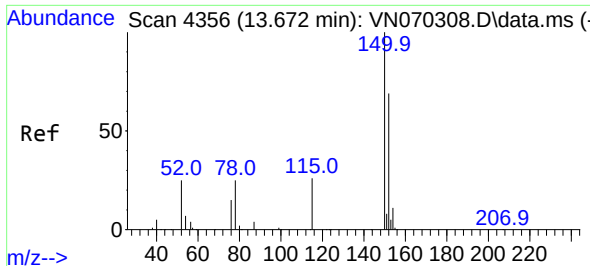


#69
o-Xylene
Concen: 22.344 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



Tgt Ion:106 Resp: 427335
Ion Ratio Lower Upper
106 100
91 224.0 105.8 317.3





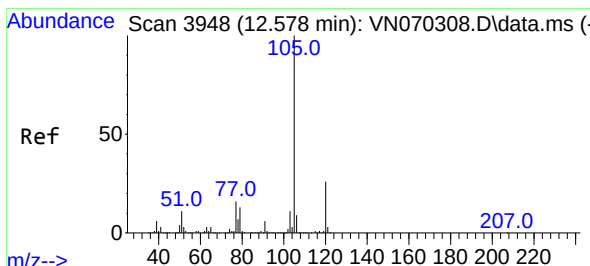
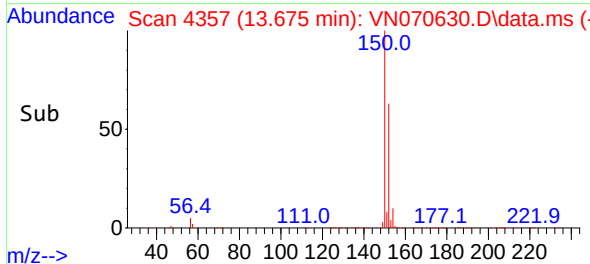
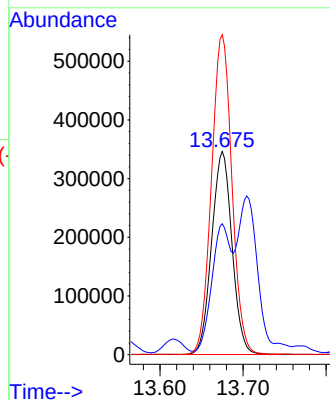
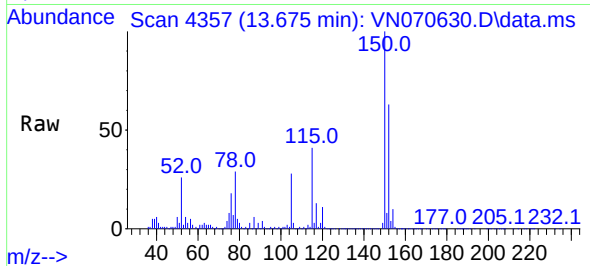
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
MW-31R

Tgt Ion:152 Resp: 58814
Ion Ratio Lower Upper
152 100
115 59.7 27.5 82.5
150 158.0 0.0 344.4

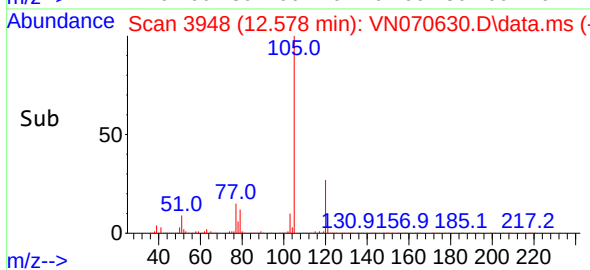
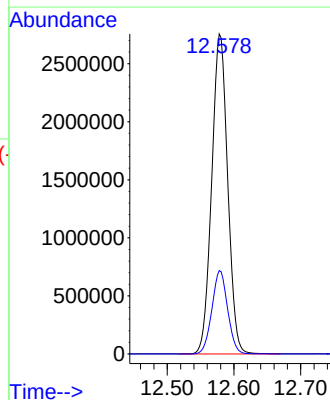
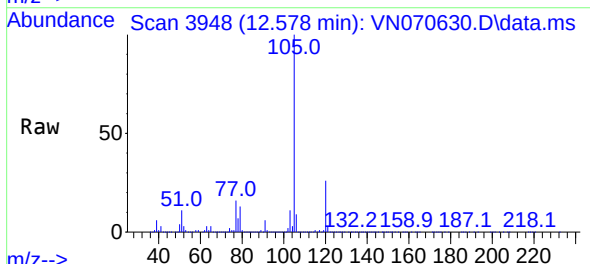
Manual Integrations
APPROVED

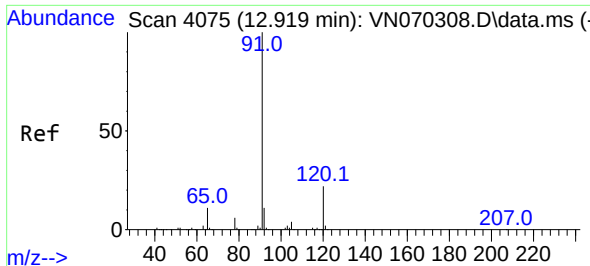
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022



#73
Isopropylbenzene
Concen: 83.685 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

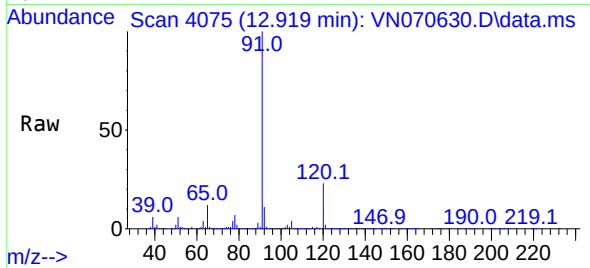
Tgt Ion:105 Resp: 4570661
Ion Ratio Lower Upper
105 100
120 25.6 13.4 40.1





#78
n-propylbenzene
Concen: 224.730 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

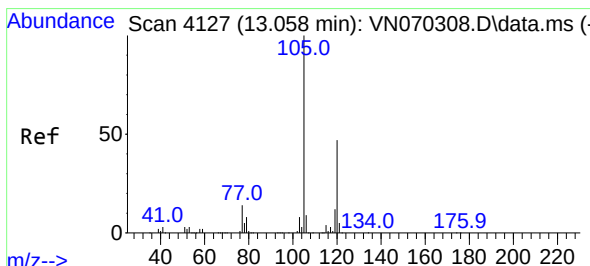
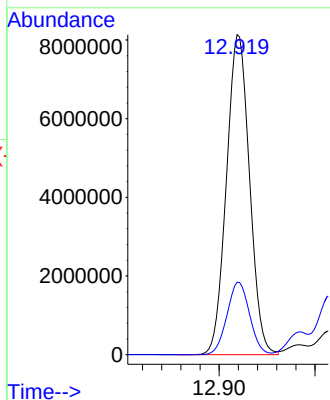
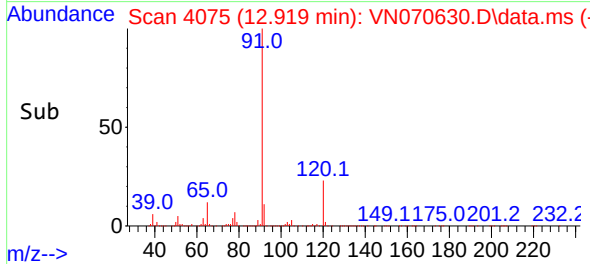
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



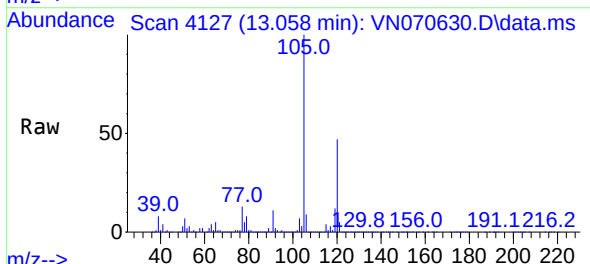
Tgt Ion: 91 Resp:13599600
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.9

Manual Integrations
APPROVED

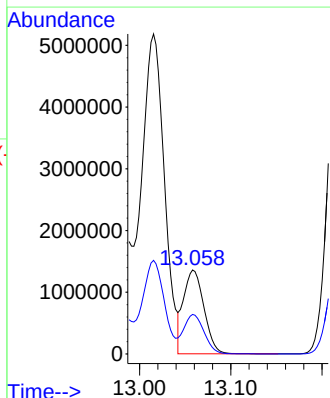
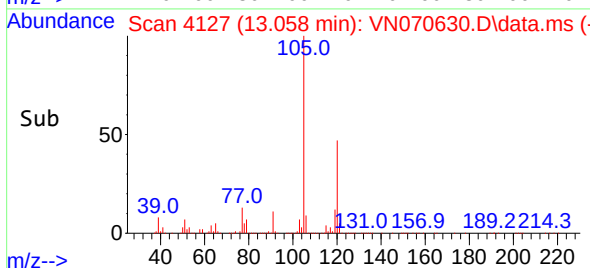
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022

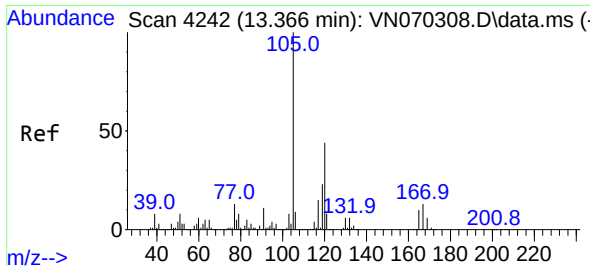


#80
1,3,5-Trimethylbenzene
Concen: 48.188 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



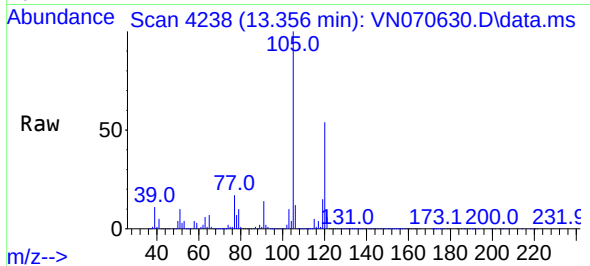
Tgt Ion:105 Resp: 2109084
Ion Ratio Lower Upper
105 100
120 46.6 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 502.138 ug/l m
RT: 13.356 min Scan# 4238
Delta R.T. -0.010 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

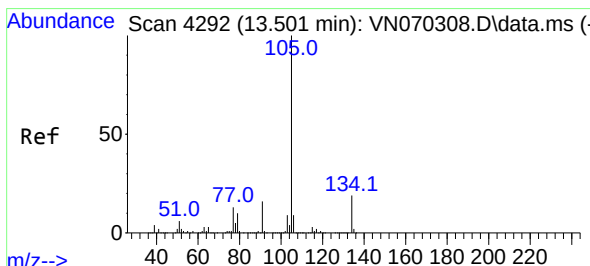
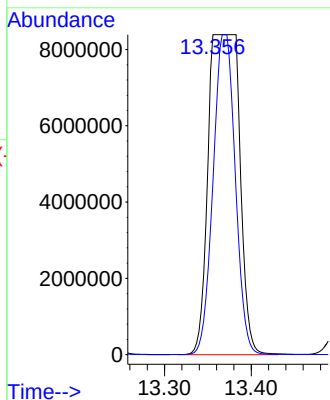
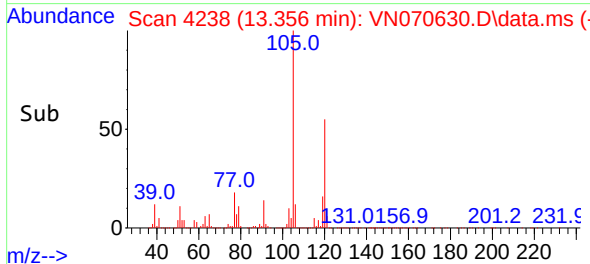
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



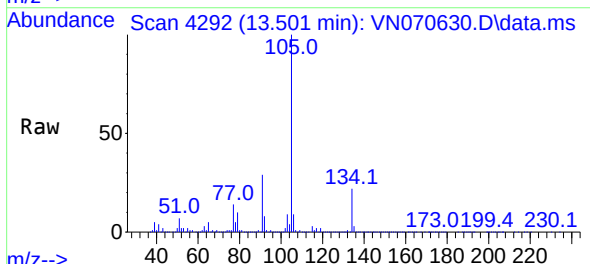
Tgt Ion:105 Resp:21162890
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4

Manual Integrations
APPROVED

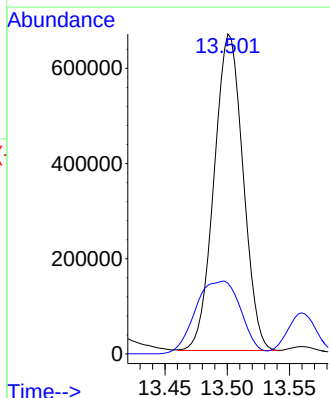
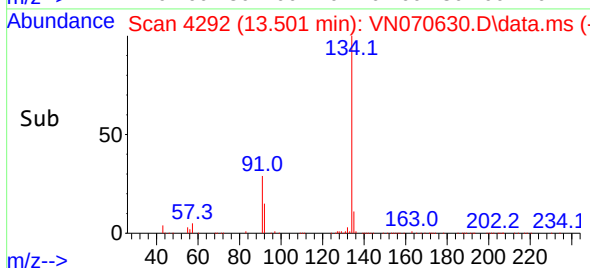
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022

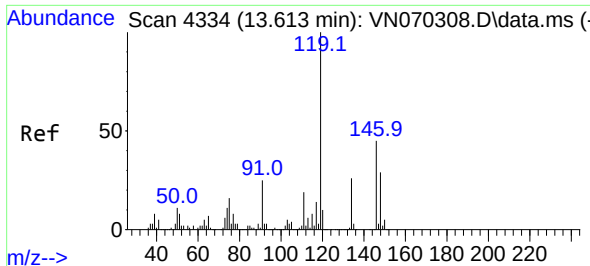


#85
sec-Butylbenzene
Concen: 20.571 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12



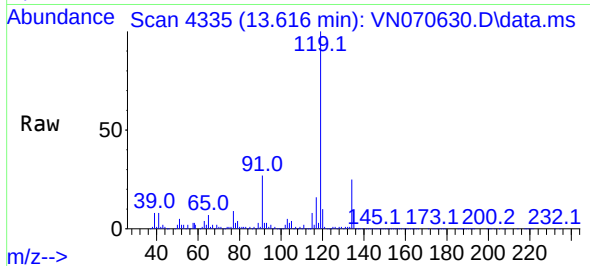
Tgt Ion:105 Resp: 1076344
Ion Ratio Lower Upper
105 100
134 35.9 10.4 31.1





#86
p-Isopropyltoluene
Concen: 12.655 ug/l
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

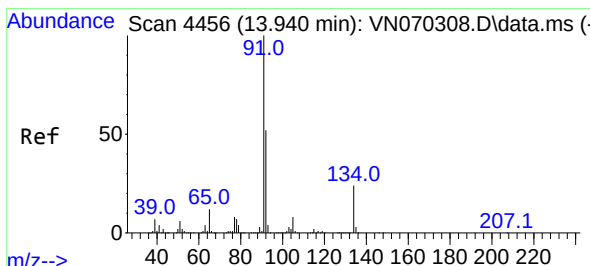
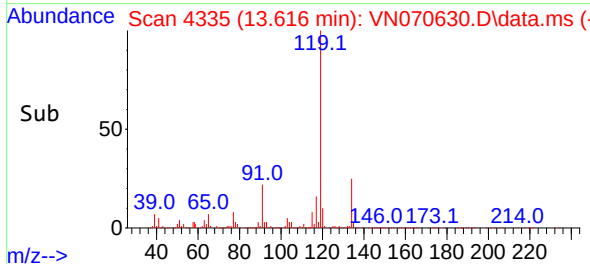
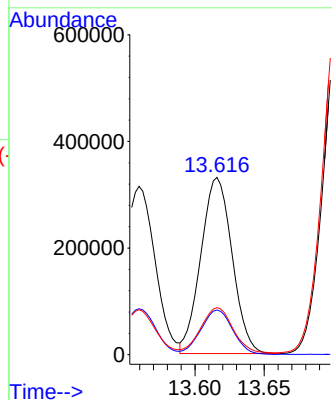
Instrument :
MSVOA_N
ClientSampleId :
MW-31R



Tgt Ion:119 Resp: 520159
Ion Ratio Lower Upper
119 100
134 25.6 13.6 40.7
91 25.7 11.4 34.1

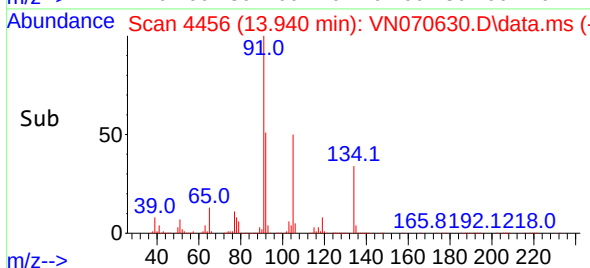
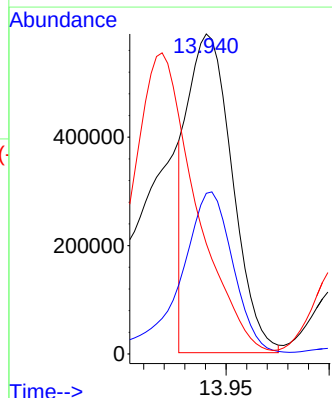
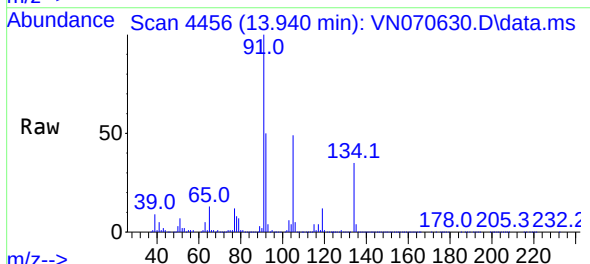
Manual Integrations
APPROVED

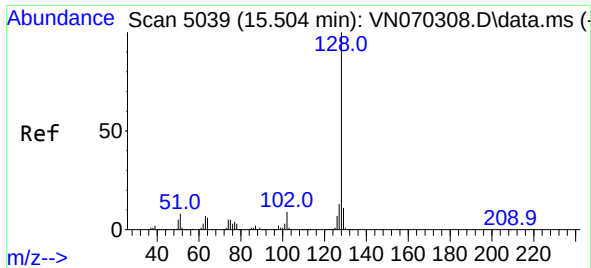
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/25/2022



#89
n-Butylbenzene
Concen: 25.963 ug/l m
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070630.D
Acq: 14 Jan 2022 18:12

Tgt Ion: 91 Resp: 890099
Ion Ratio Lower Upper
91 100
92 58.1 25.4 76.0
134 0.0 13.6 40.8#





#95

Naphthalene

Concen: 58.507 ug/l

RT: 15.507 min Scan# 5039

Delta R.T. 0.003 min

Lab File: VN070630.D

Acq: 14 Jan 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

MW-31R

Tgt Ion:128 Resp: 1576320

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/25/2022

