

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010622\  
 Data File : VN070532.D  
 Acq On : 6 Jan 2022 20:40  
 Operator : JC/MD  
 Sample : N1037-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NWB-1681

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/10/2022  
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 08 01:43:34 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       | 8.083          | 168  | 864291              | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.965          | 114  | 1522406             | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.741         | 117  | 1378296             | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.672         | 152  | 531152              | 50.000   | ug/l   | 0.00     |
|                             |                |      |                     |          |        |          |
| System Monitoring Compounds |                |      |                     |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.437          | 65   | 690690              | 55.580   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 111.160% |          |        |          |
| 35) Dibromofluoromethane    | 8.018          | 113  | 482838              | 52.418   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 104.840% |          |        |          |
| 50) Toluene-d8              | 10.440         | 98   | 2023177             | 53.766   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 107.540% |          |        |          |
| 62) 4-Bromofluorobenzene    | 12.728         | 95   | 770814              | 56.716   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 113.440% |          |        |          |
|                             |                |      |                     |          |        |          |
| Target Compounds            |                |      |                     |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.374          | 59   | 26024m              | 12.577   | ug/l   |          |
| 13) Acrolein                | 4.041          | 56   | 13639               | 8.124    | ug/l   | 91       |
| 16) Acetone                 | 4.277          | 43   | 26049968            | 3229.216 | ug/l   | 95       |
| 18) Methyl Acetate          | 4.856          | 43   | 84288m              | 3.612    | ug/l   |          |
| 20) Methylene Chloride      | 5.092          | 84   | 90467               | 8.106    | ug/l # | 85       |
| 25) 2-Butanone              | 7.337          | 43   | 93719               | 9.227    | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.560          | 43   | 157584              | 5.060    | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone    | 10.328         | 43   | 390726              | 19.968   | ug/l   | 91       |
| 52) Toluene                 | 10.502         | 92   | 306317              | 10.833   | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.948         | 106  | 33374               | 1.711    | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene  | 13.366         | 105  | 87288               | 2.293    | ug/l   | 93       |
| 95) Naphthalene             | 15.504         | 128  | 564712              | 24.293   | ug/l   | 100      |
| -----                       |                |      |                     |          |        |          |

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

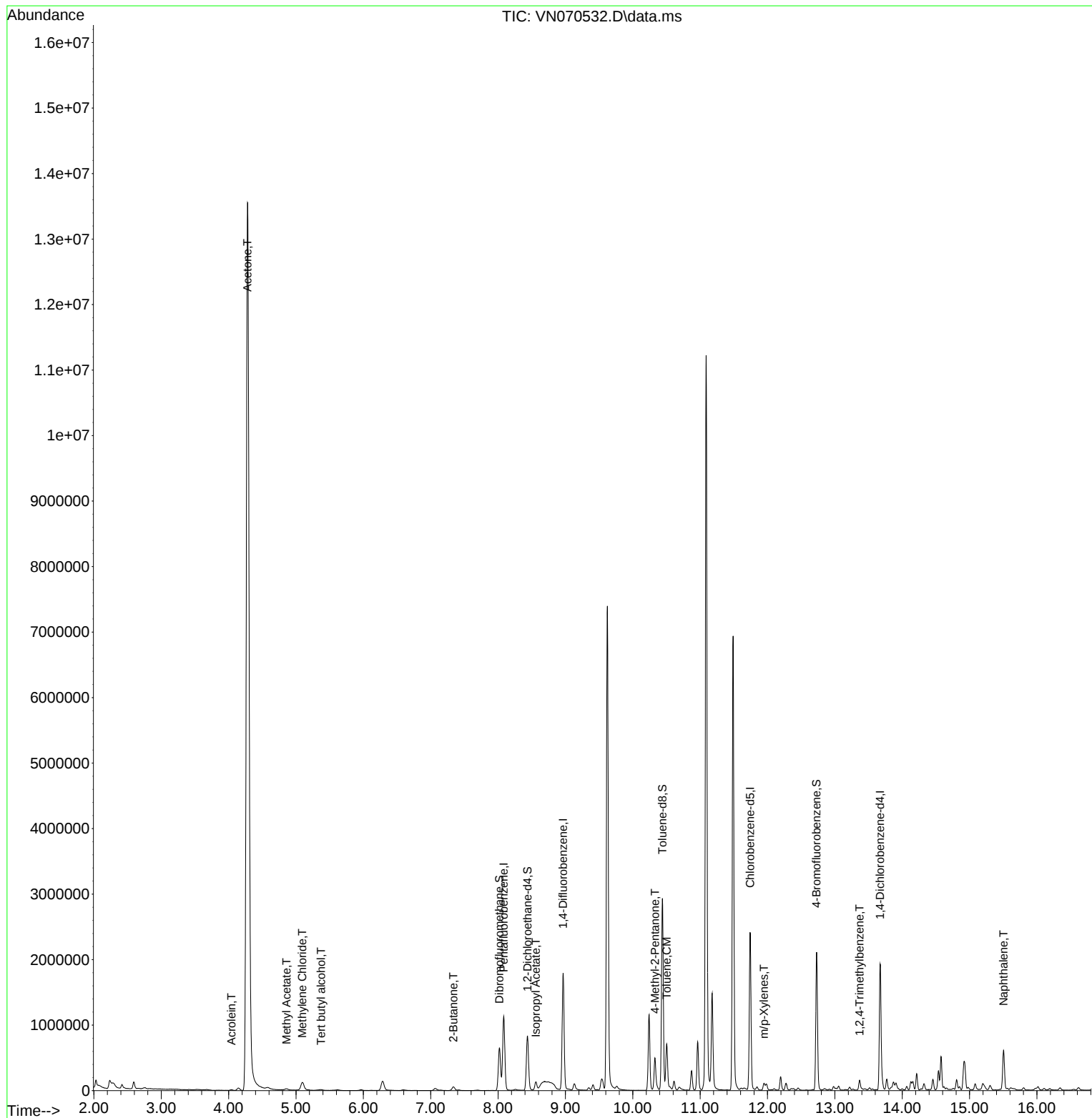
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010622\  
Data File : VN070532.D  
Acq On : 6 Jan 2022 20:40  
Operator : JC/MD  
Sample : N1037-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681

Quant Time: Jan 08 01:43:34 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

Manual Integrations  
APPROVED

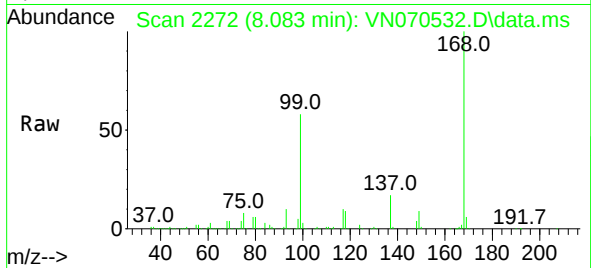
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.083 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

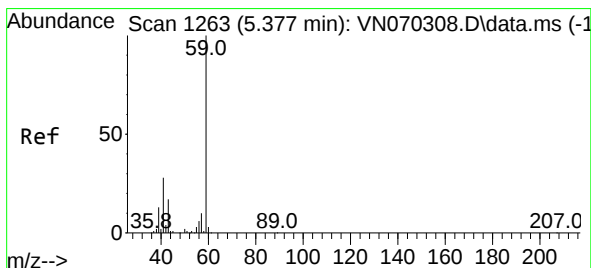
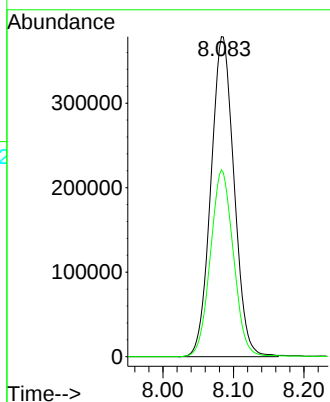
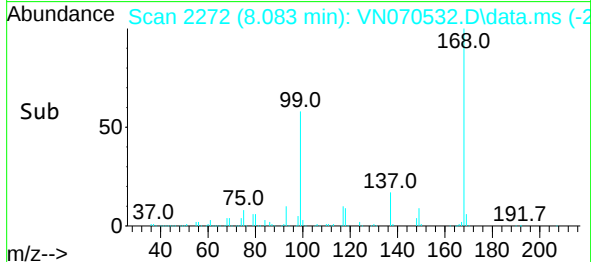
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



Tgt Ion:168 Resp: 86429  
Ion Ratio Lower Upper  
168 100  
99 58.4 41.3 61.9

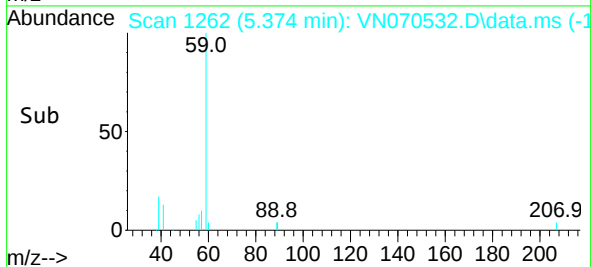
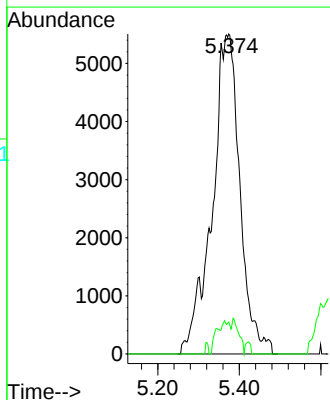
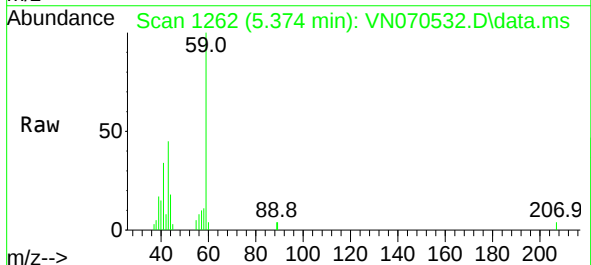
Manual Integrations  
APPROVED

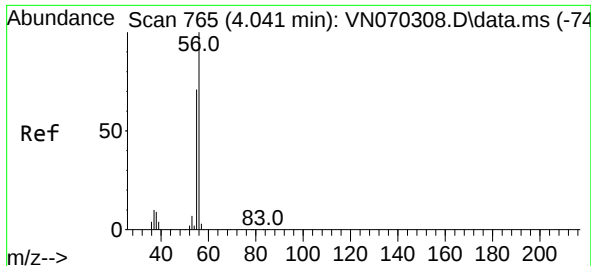
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#11  
Tert butyl alcohol  
Concen: 12.577 ug/l m  
RT: 5.374 min Scan# 1262  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

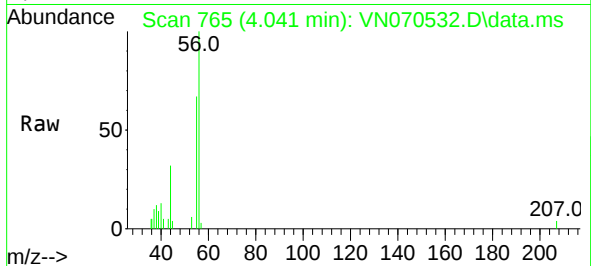
Tgt Ion: 59 Resp: 26024  
Ion Ratio Lower Upper  
59 100  
57 1.6 8.7 13.1#





#13  
Acrolein  
Concen: 8.124 ug/l  
RT: 4.041 min Scan# 765  
Delta R.T. 0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

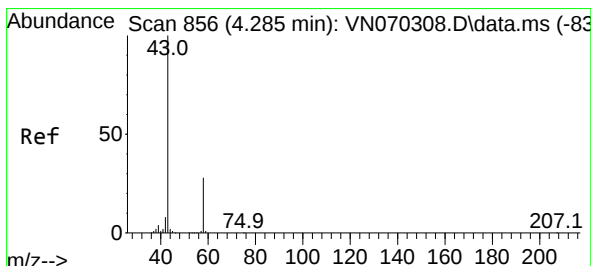
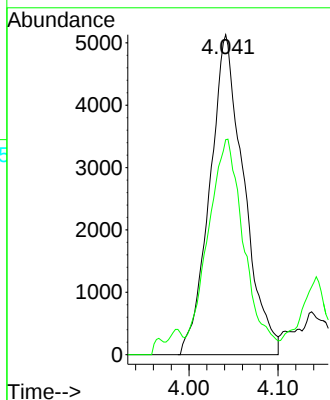
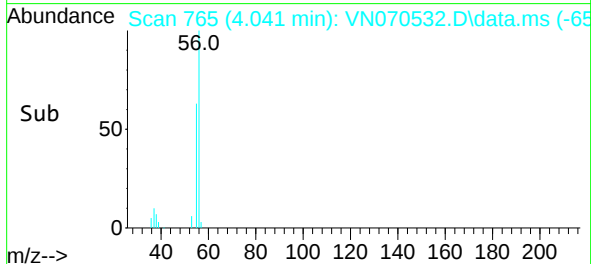
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



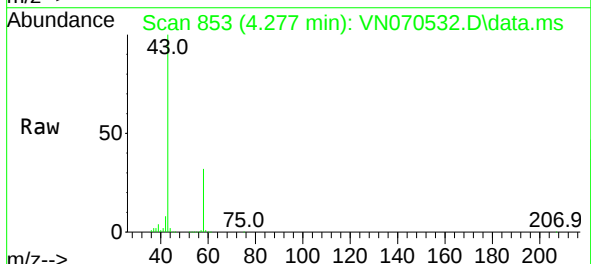
Tgt Ion: 56 Resp: 13639  
Ion Ratio Lower Upper  
56 100  
55 63.4 56.6 85.0

Manual Integrations  
APPROVED

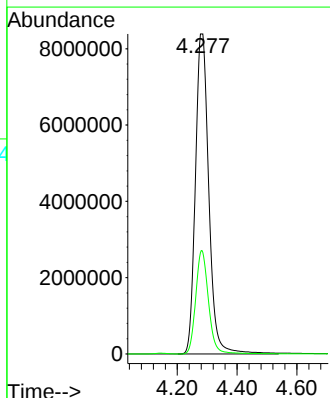
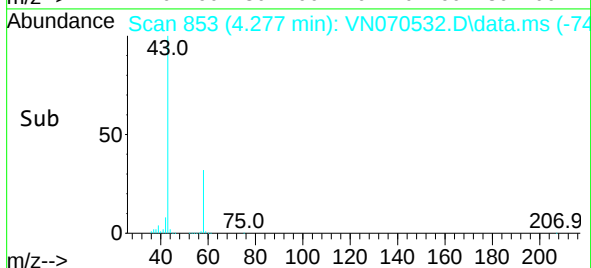
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022

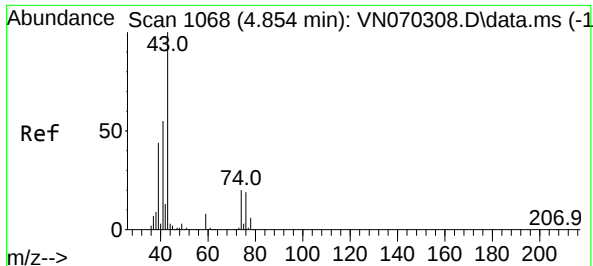


#16  
Acetone  
Concen: 3229.216 ug/l  
RT: 4.277 min Scan# 853  
Delta R.T. -0.008 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40



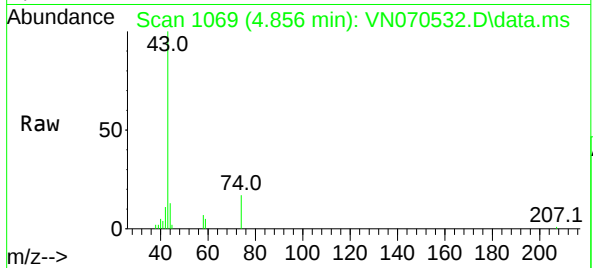
Tgt Ion: 43 Resp:26049968  
Ion Ratio Lower Upper  
43 100  
58 31.6 23.1 34.7





#18  
Methyl Acetate  
Concen: 3.612 ug/l m  
RT: 4.856 min Scan# 1068  
Delta R.T. 0.002 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

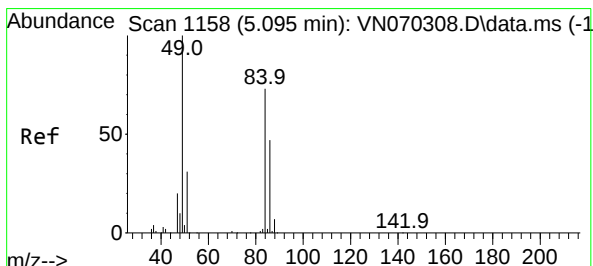
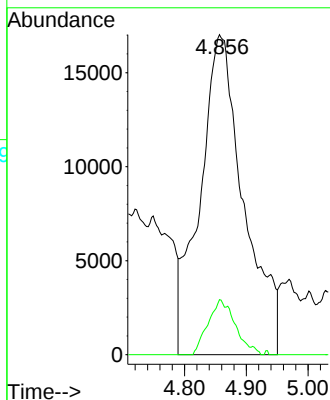
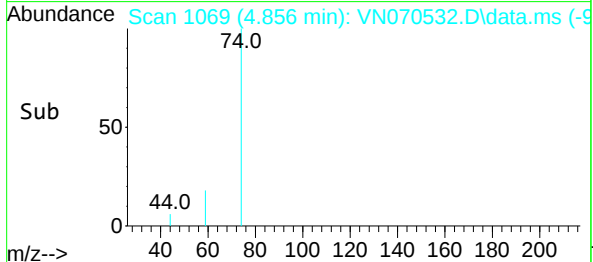
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



Tgt Ion: 43 Resp: 8428  
Ion Ratio Lower Upper  
43 100  
74 10.7 19.4 29.2

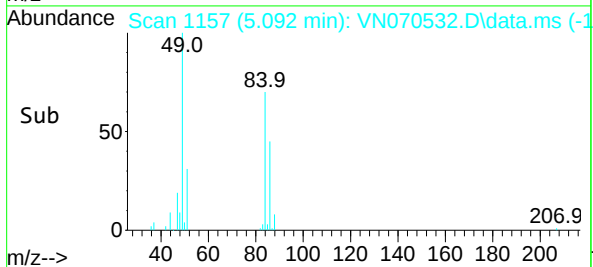
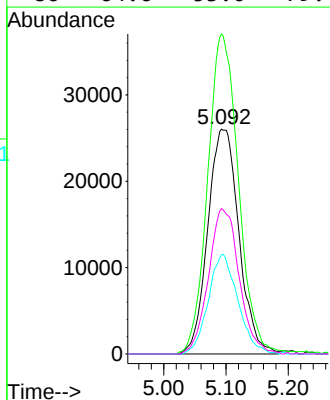
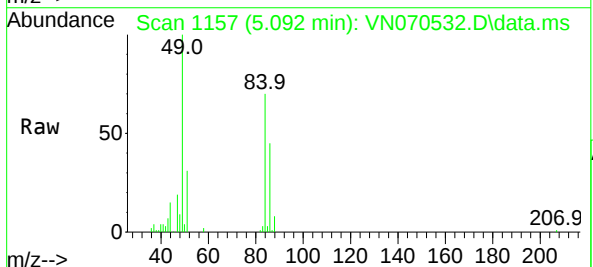
Manual Integrations  
APPROVED

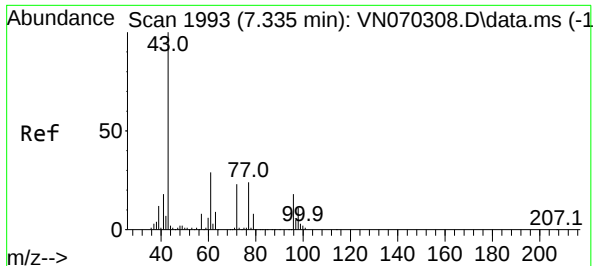
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#20  
Methylene Chloride  
Concen: 8.106 ug/l  
RT: 5.092 min Scan# 1157  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

Tgt Ion: 84 Resp: 90467  
Ion Ratio Lower Upper  
84 100  
49 141.8 93.5 140.3#  
51 44.1 29.4 44.2  
86 64.6 53.0 79.4





#25

2-Butanone

Concen: 9.227 ug/l

RT: 7.337 min Scan# 1993

Delta R.T. 0.002 min

Lab File: VN070532.D

Acq: 6 Jan 2022 20:40

Instrument :

MSVOA\_N

ClientSampleId :

NWB-1681

Tgt Ion: 43 Resp: 93719

Ion Ratio Lower Upper

43 100

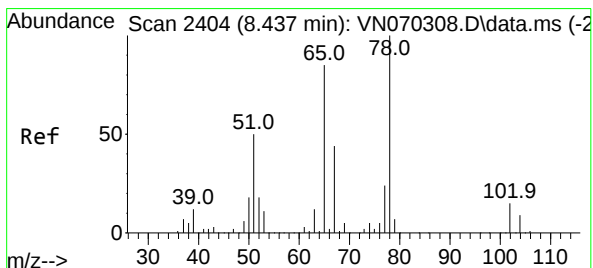
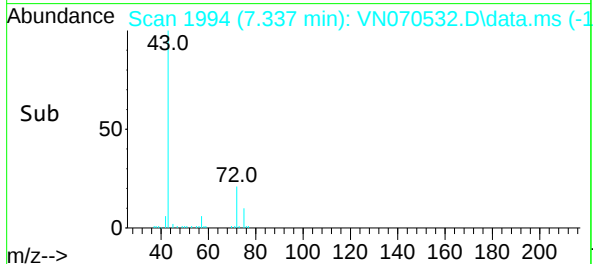
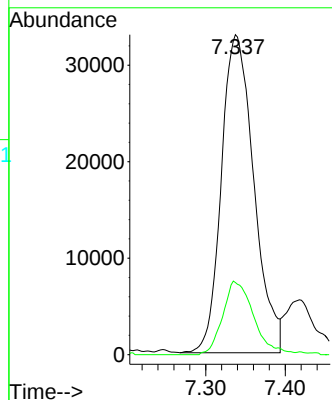
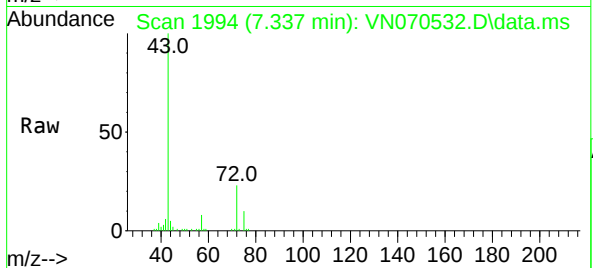
72 22.7 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/10/2022

Supervised By :Mahesh Dadoda 01/11/2022



#33

1,2-Dichloroethane-d4

Concen: 55.580 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070532.D

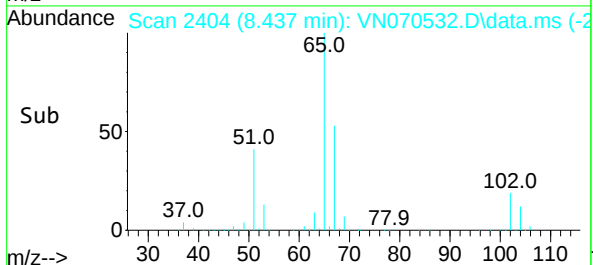
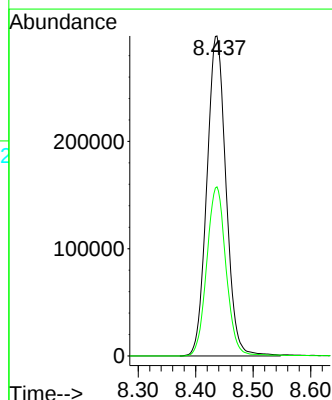
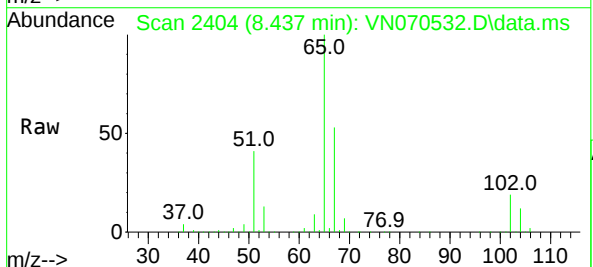
Acq: 6 Jan 2022 20:40

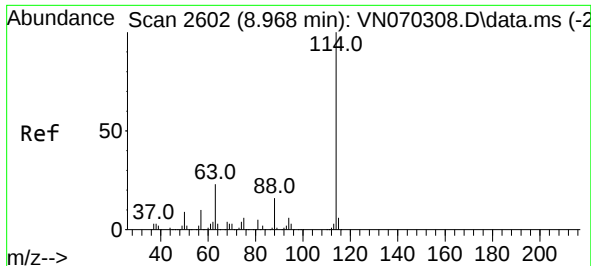
Tgt Ion: 65 Resp: 690690

Ion Ratio Lower Upper

65 100

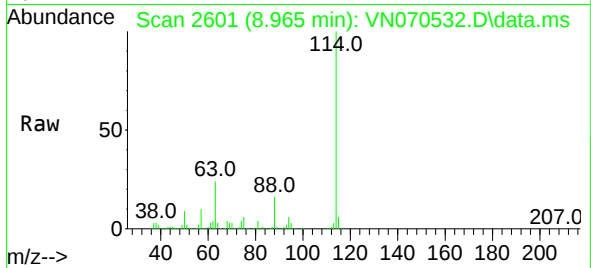
67 53.1 0.0 103.0





#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.965 min Scan# 2602  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

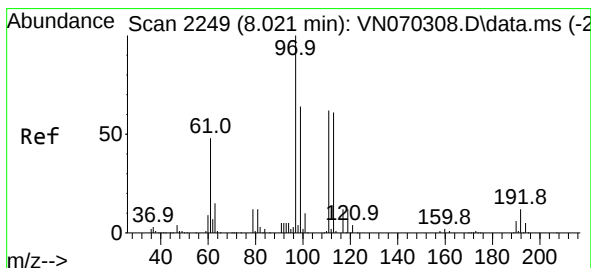
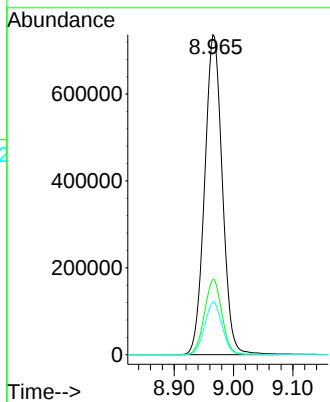
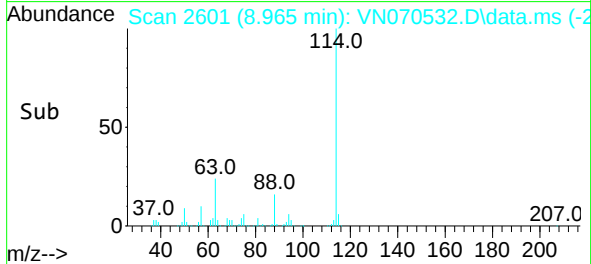
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



Tgt Ion:114 Resp: 1522400  
Ion Ratio Lower Upper  
114 100  
63 23.5 0.0 37.8  
88 16.4 0.0 27.4

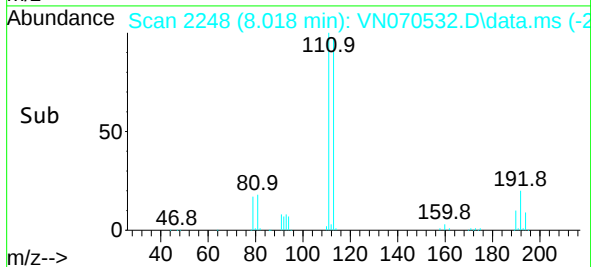
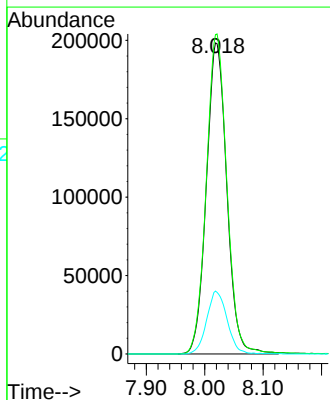
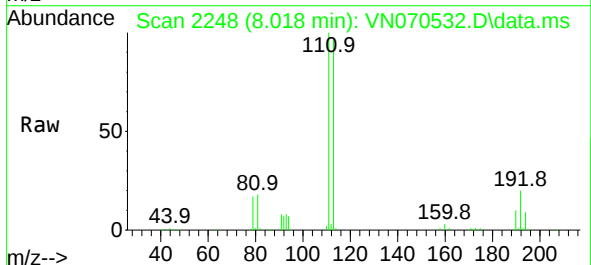
Manual Integrations  
APPROVED

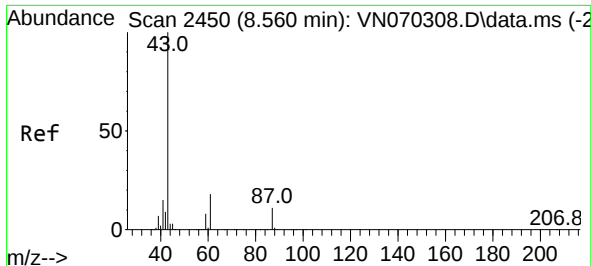
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#35  
Dibromofluoromethane  
Concen: 52.418 ug/l  
RT: 8.018 min Scan# 2248  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

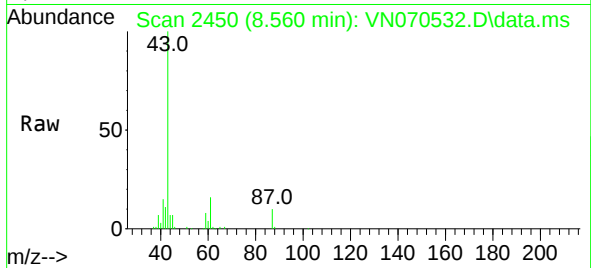
Tgt Ion:113 Resp: 482838  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.2 123.2  
192 20.0 16.9 25.3





#43  
Isopropyl Acetate  
Concen: 5.060 ug/l  
RT: 8.560 min Scan# 2450  
Delta R.T. 0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

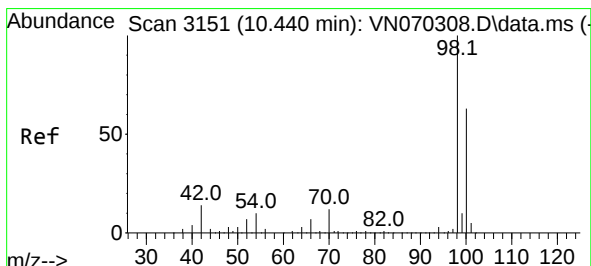
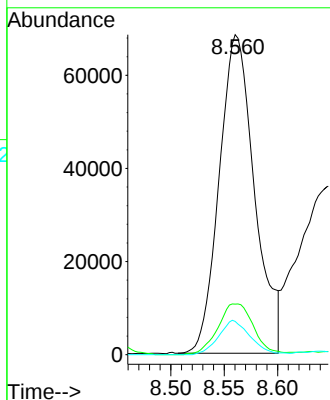
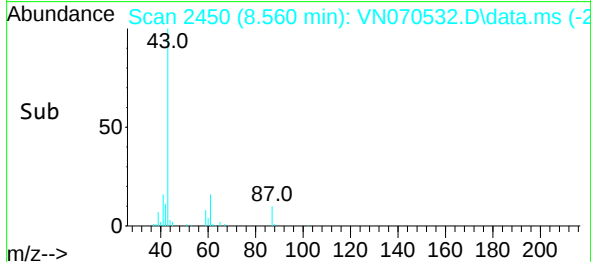
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



Tgt Ion: 43 Resp: 157584  
Ion Ratio Lower Upper  
43 100  
61 16.2 20.4 30.6  
87 9.7 11.2 16.8

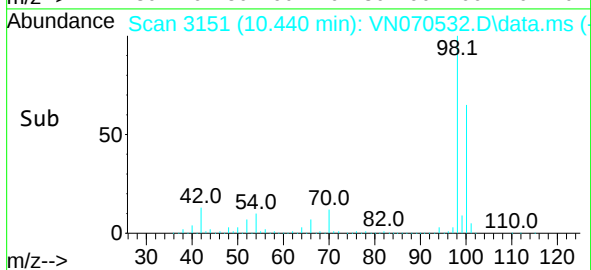
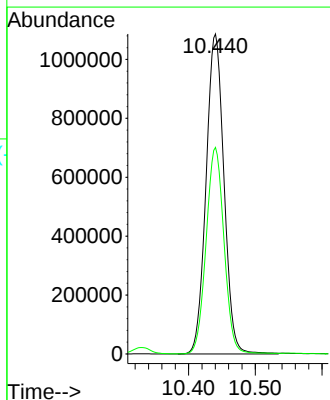
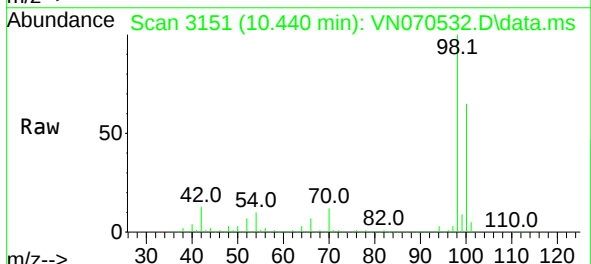
Manual Integrations  
APPROVED

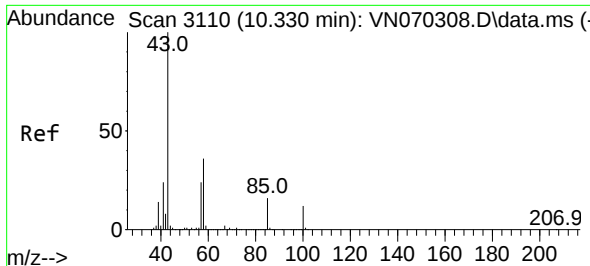
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#50  
Toluene-d8  
Concen: 53.766 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

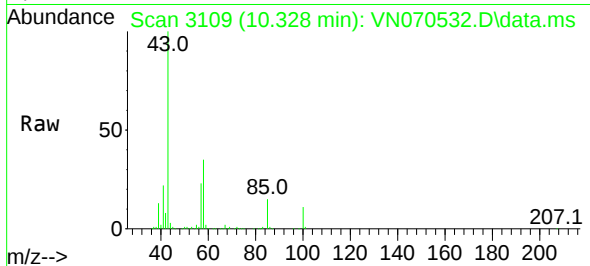
Tgt Ion: 98 Resp: 2023177  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.4 75.6





#51  
4-Methyl-2-Pentanone  
Concen: 19.968 ug/l  
RT: 10.328 min Scan# 3110  
Delta R.T. -0.002 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

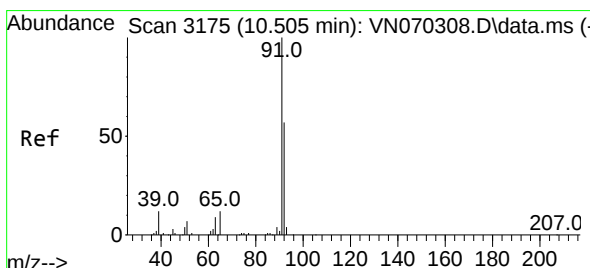
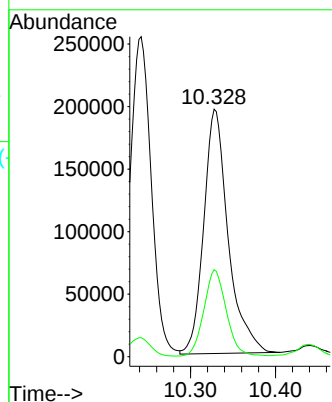
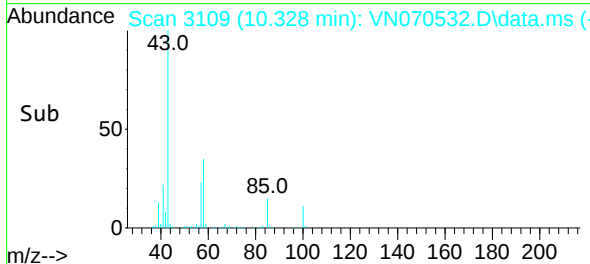
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



Tgt Ion: 43 Resp: 390720  
Ion Ratio Lower Upper  
43 100  
58 32.8 30.4 45.6

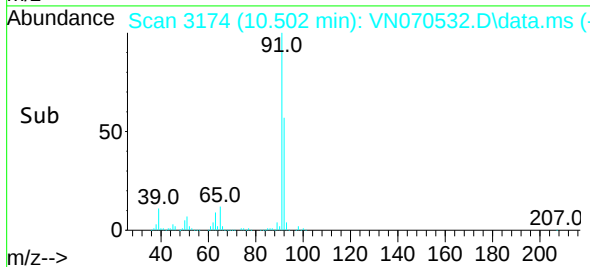
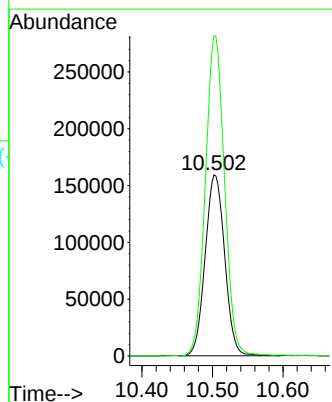
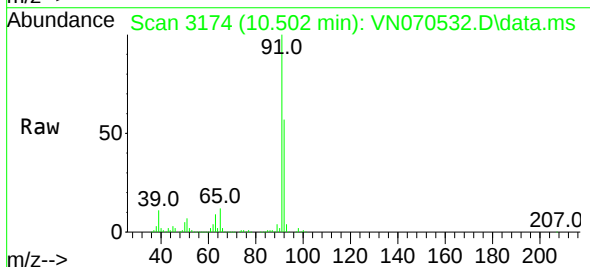
Manual Integrations  
APPROVED

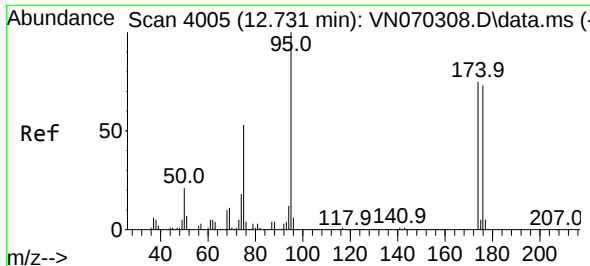
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#52  
Toluene  
Concen: 10.833 ug/l  
RT: 10.502 min Scan# 3174  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

Tgt Ion: 92 Resp: 306317  
Ion Ratio Lower Upper  
92 100  
91 174.2 142.0 213.0





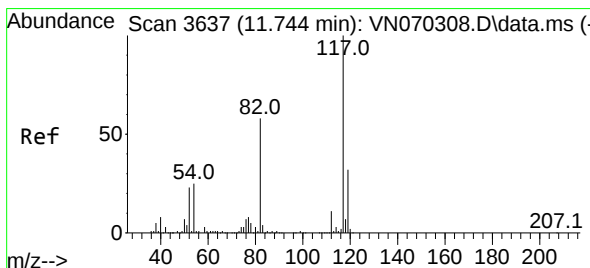
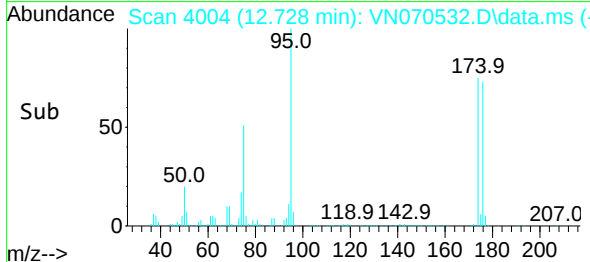
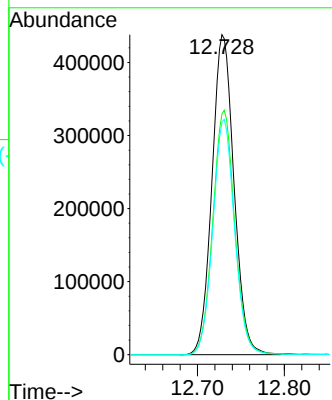
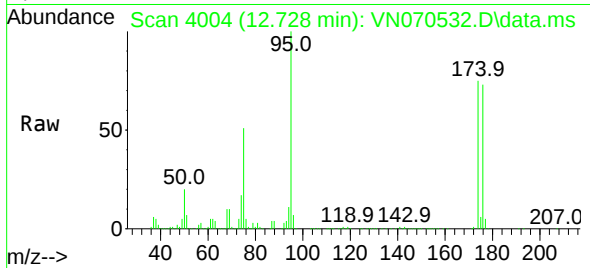
#62  
4-Bromofluorobenzene  
Concen: 56.716 ug/l  
RT: 12.728 min Scan# 4004  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681

Tgt Ion: 95 Resp: 770814  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 187.2  
176 72.6 0.0 181.4

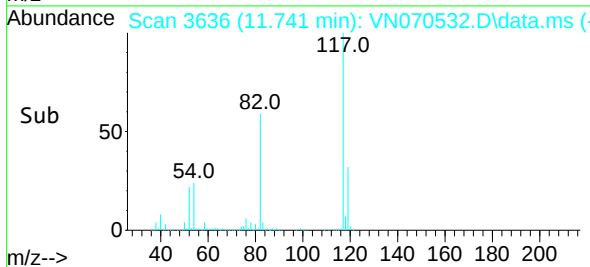
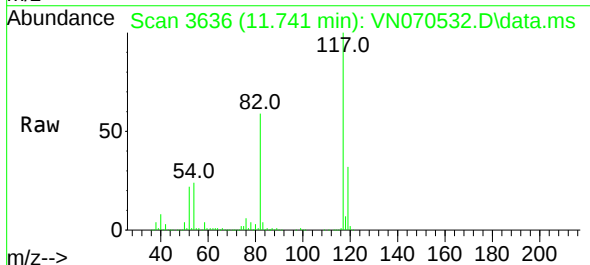
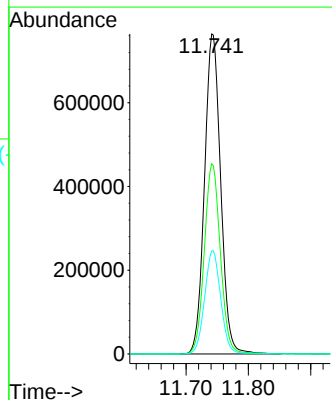
Manual Integrations  
APPROVED

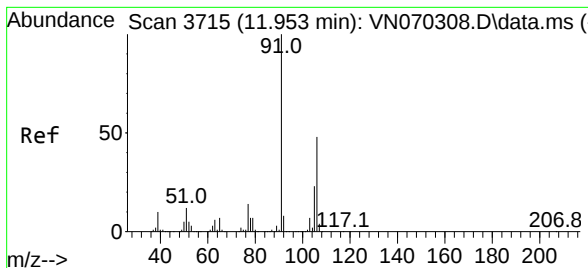
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.741 min Scan# 3636  
Delta R.T. -0.003 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

Tgt Ion:117 Resp: 1378296  
Ion Ratio Lower Upper  
117 100  
82 59.4 42.4 63.6  
119 32.2 25.4 38.2





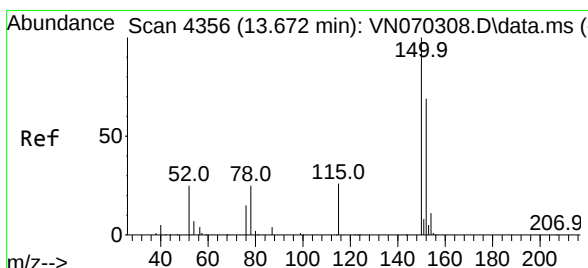
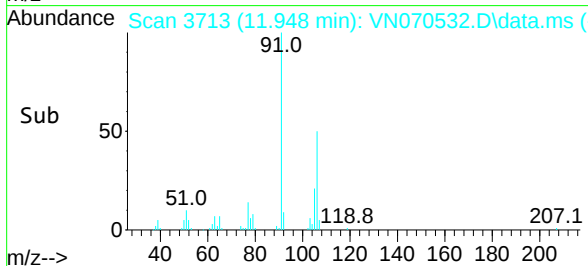
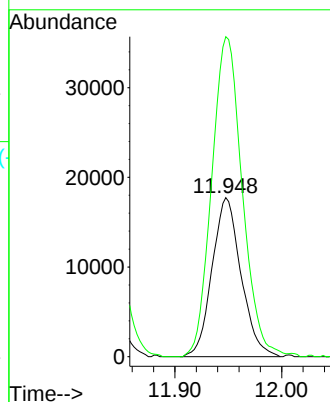
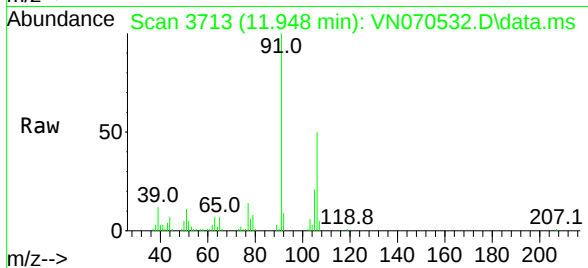
#68  
m/p-Xylenes  
Concen: 1.711 ug/l  
RT: 11.948 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681

Tgt Ion:106 Resp: 33374  
Ion Ratio Lower Upper  
106 100  
91 212.3 160.6 240.8

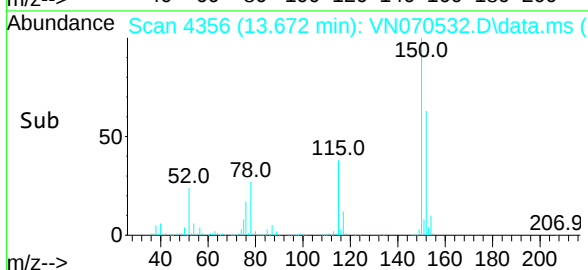
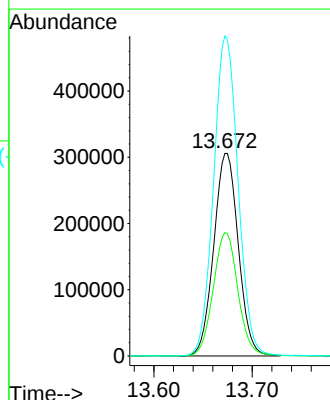
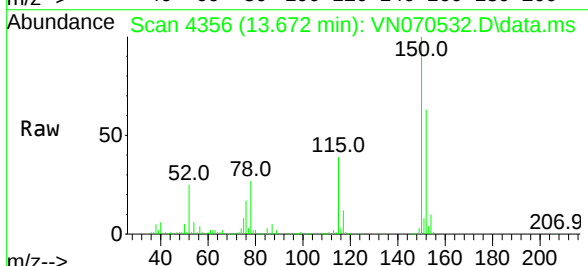
Manual Integrations  
APPROVED

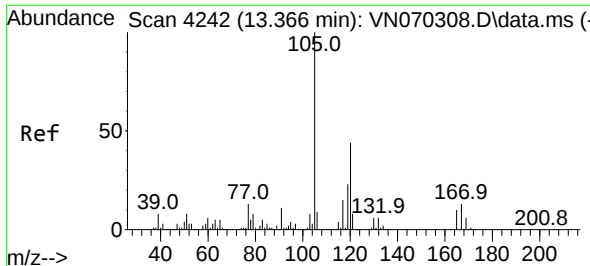
Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.672 min Scan# 4356  
Delta R.T. 0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

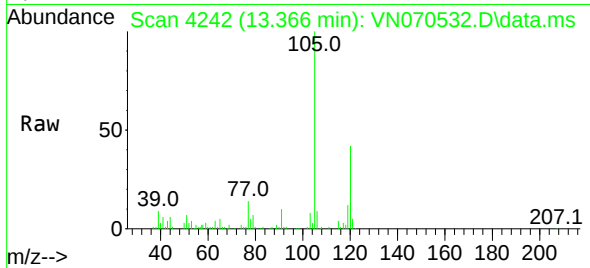
Tgt Ion:152 Resp: 531152  
Ion Ratio Lower Upper  
152 100  
115 61.0 27.5 82.5  
150 157.7 0.0 344.4





#84  
1,2,4-Trimethylbenzene  
Concen: 2.293 ug/l  
RT: 13.366 min Scan# 4242  
Delta R.T. 0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40

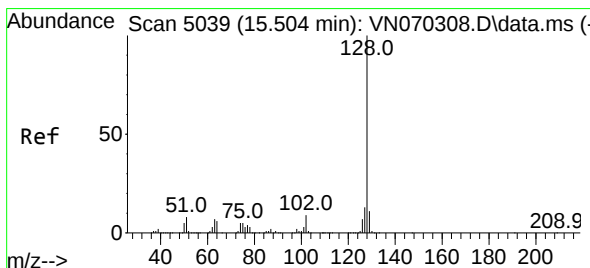
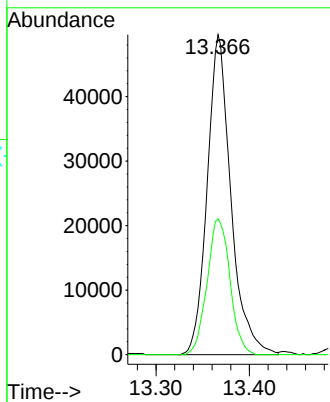
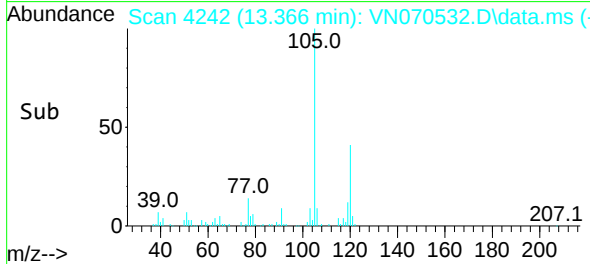
Instrument :  
MSVOA\_N  
ClientSampleId :  
NWB-1681



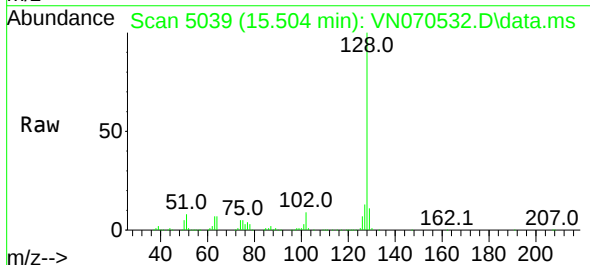
Tgt Ion:105 Resp: 8728  
Ion Ratio Lower Upper  
105 100  
120 41.0 22.8 68.4

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/10/2022  
Supervised By :Mahesh Dadoda 01/11/2022



#95  
Naphthalene  
Concen: 24.293 ug/l  
RT: 15.504 min Scan# 5039  
Delta R.T. -0.000 min  
Lab File: VN070532.D  
Acq: 6 Jan 2022 20:40



Tgt Ion:128 Resp: 564712  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.5 15.7  
129 11.0 8.7 13.1

