

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112221\  
 Data File : VN069613.D  
 Acq On : 22 Nov 2021 16:37  
 Operator : JC/MD  
 Sample : M4703-02 5X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-2

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/23/2021  
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 03:53:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111021W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Nov 10 14:36:17 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Bromochloromethane       | 7.662          | 128  | 160698              | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.971          | 114  | 879039              | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.747         | 117  | 754183              | 30.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 27) 1,2-Dichloroethane-d4   | 8.440          | 65   | 448030              | 32.147 | ug/l  | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = 107.167% |        |       |          |
| 60) 4-Bromofluorobenzene    | 12.733         | 95   | 286945              | 23.775 | ug/l  | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = 79.267%  |        |       |          |
| 63) Toluene-d8              | 10.443         | 98   | 1079804             | 31.009 | ug/l  | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = 103.367% |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       |          |
| 15) Acetone                 | 4.301          | 58   | 7138m               | 3.395  | ug/l  | Qvalue   |
| 25) Chloroform              | 7.820          | 83   | 1850060             | 96.435 | ug/l  | 99       |
| 41) Bromodichloromethane    | 9.762          | 83   | 101197              | 7.449  | ug/l  | 96       |
| 53) Dibromochloromethane    | 11.234         | 129  | 2857                | 0.291  | ug/l  | 65       |
| -----                       |                |      |                     |        |       |          |

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

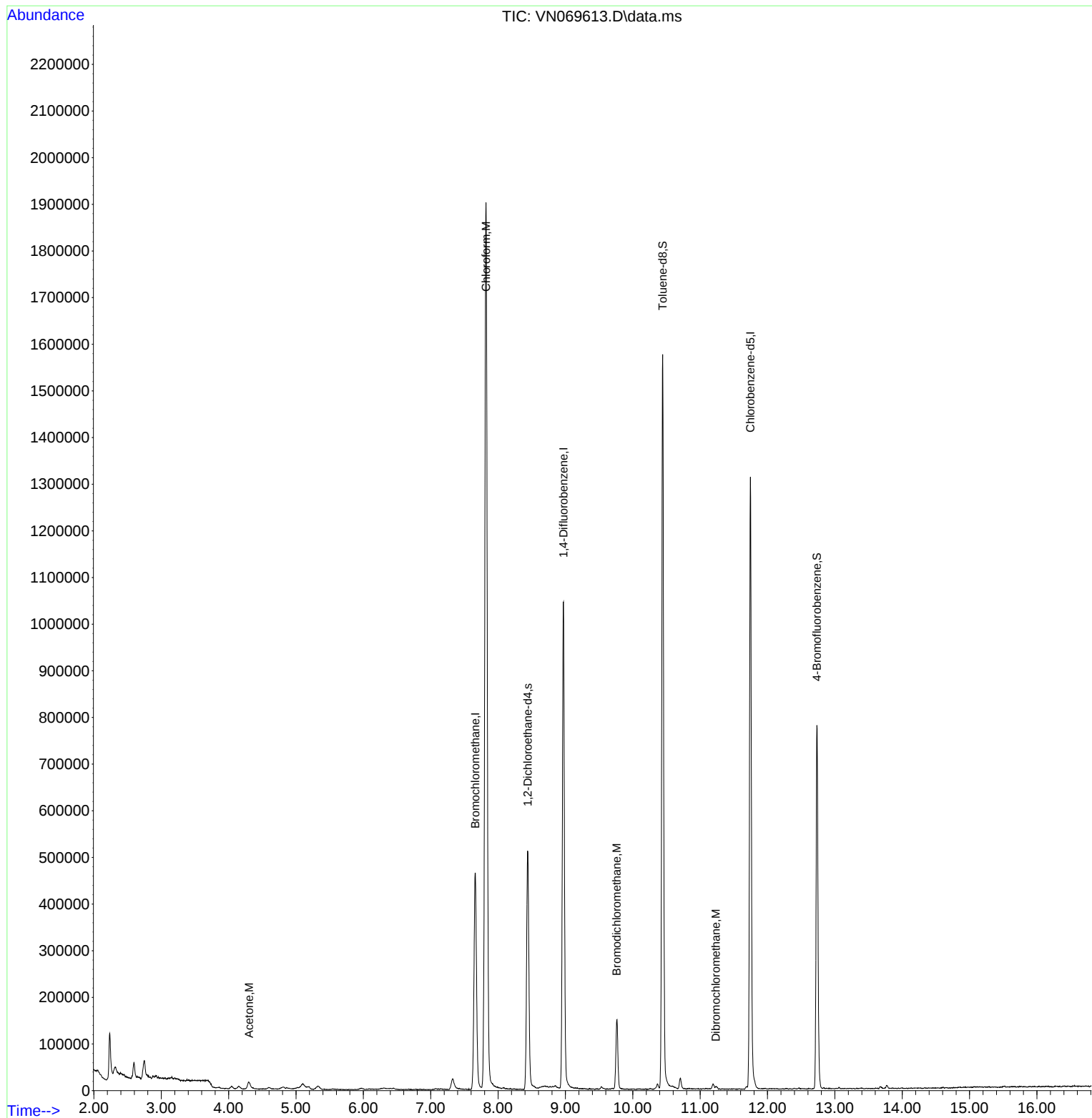
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112221\  
Data File : VN069613.D  
Acq On : 22 Nov 2021 16:37  
Operator : JC/MD  
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ALS Vial : 13 Sample Multiplier: 1

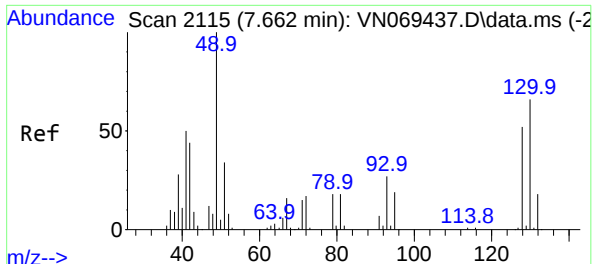
Instrument :  
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14B-2

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Quant Time: Nov 23 03:53:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111021W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Nov 10 14:36:17 2021  
Response via : Initial Calibration





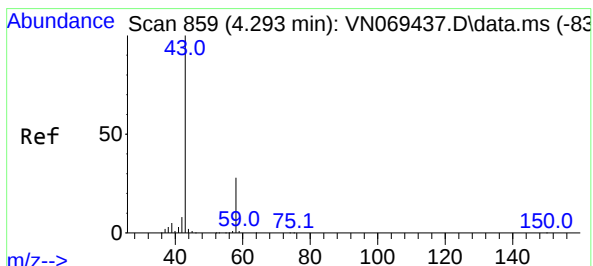
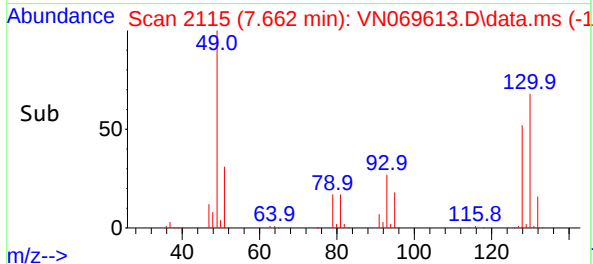
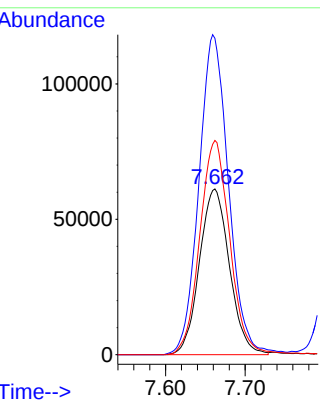
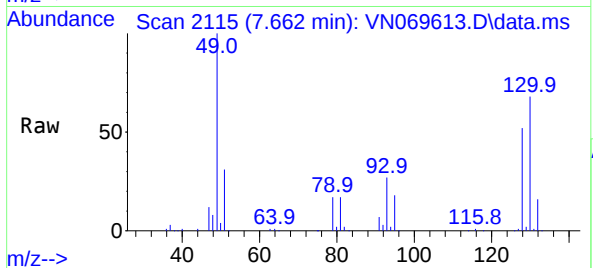
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Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.662 min Scan# 2115  
Delta R.T. -0.000 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-2

Tgt Ion:128 Resp: 160698  
Ion Ratio Lower Upper  
128 100  
49 189.9 0.0 392.3  
130 129.3 0.0 320.2

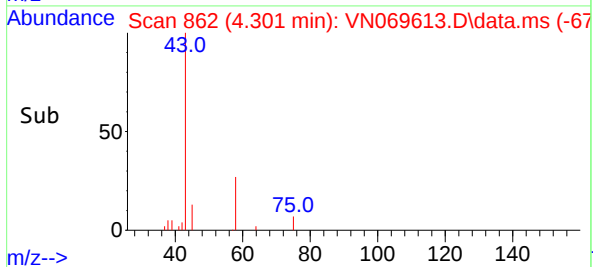
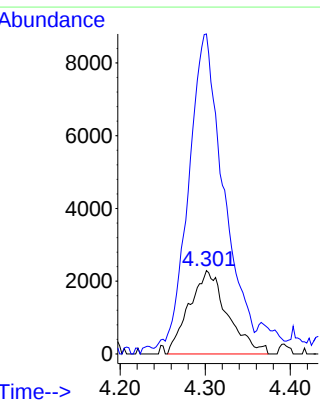
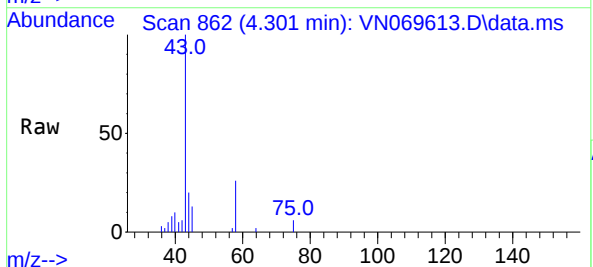
Manual Integrations  
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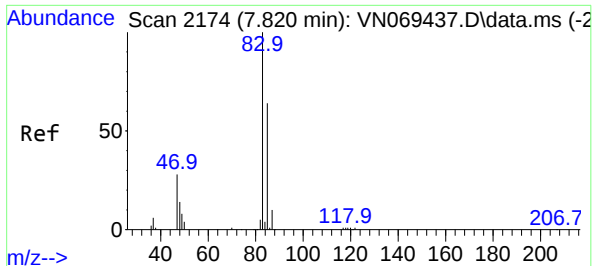
Reviewed By :John Carlone 11/23/2021  
Supervised By :Mahesh Dadoda 11/23/2021



#15  
Acetone  
Concen: 3.395 ug/l m  
RT: 4.301 min Scan# 862  
Delta R.T. 0.014 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

Tgt Ion: 58 Resp: 7138  
Ion Ratio Lower Upper  
58 100  
43 383.9 256.6 384.8





#25

Chloroform

Concen: 96.435 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN069613.D

Acq: 22 Nov 2021 16:37

Instrument :

MSVOA\_N

ClientSampleId :

14B-2

Tgt Ion: 83 Resp: 185006

Ion Ratio Lower Upper

83 100

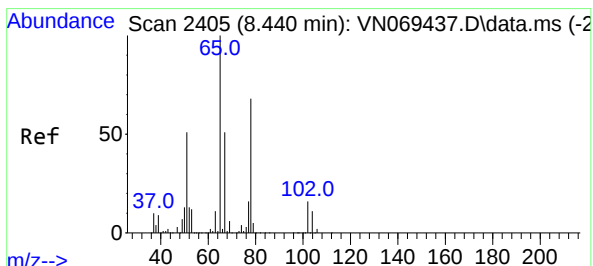
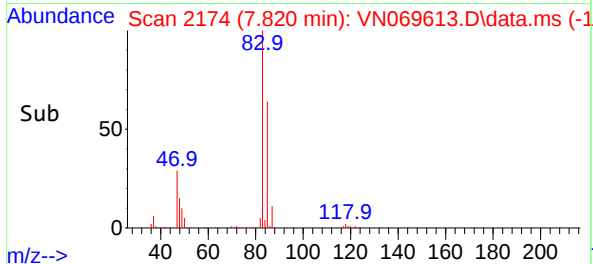
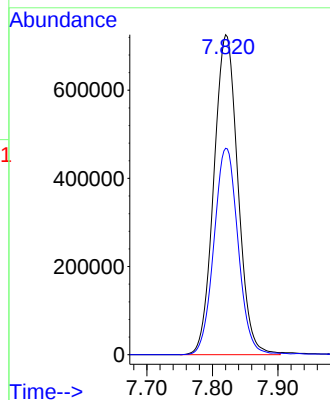
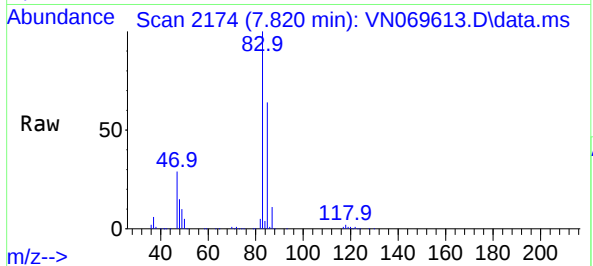
85 64.5 51.3 76.9

Manual Integrations

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#27

1,2-Dichloroethane-d4

Concen: 32.147 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069613.D

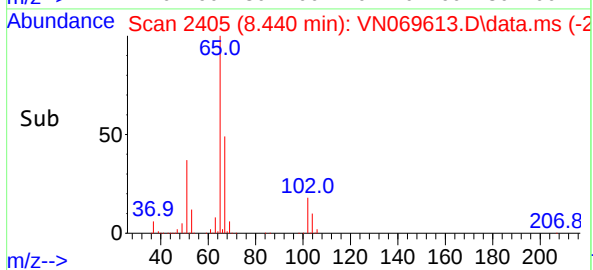
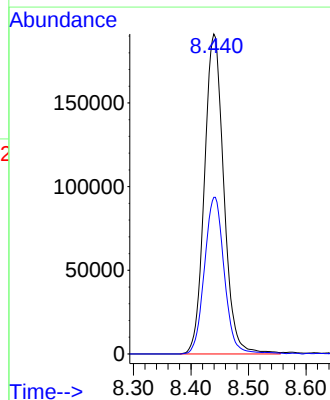
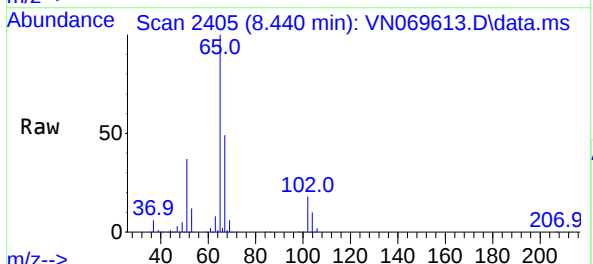
Acq: 22 Nov 2021 16:37

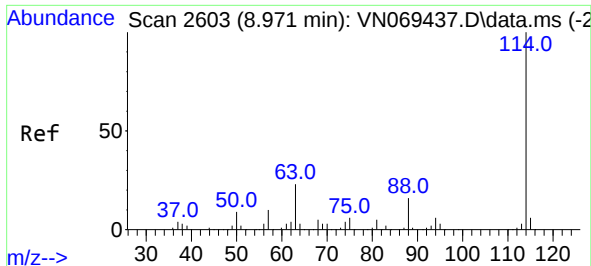
Tgt Ion: 65 Resp: 448030

Ion Ratio Lower Upper

65 100

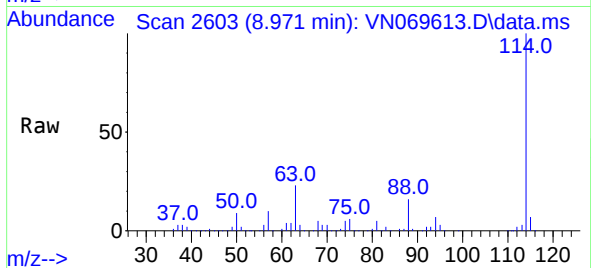
67 49.8 40.2 60.2





#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.971 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

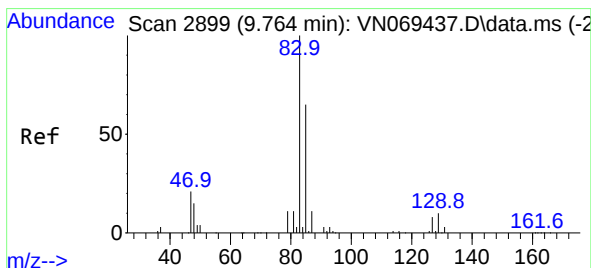
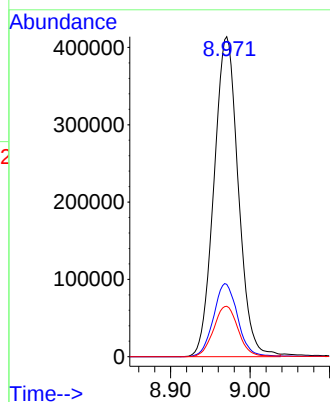
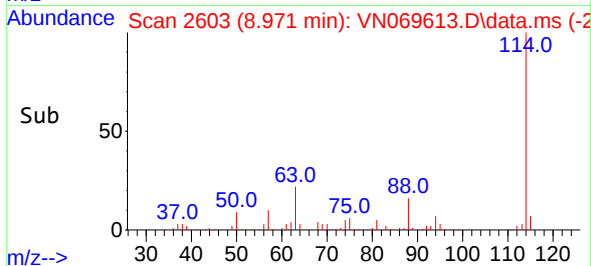
Instrument :  
MSVOA\_N  
ClientSampleId :  
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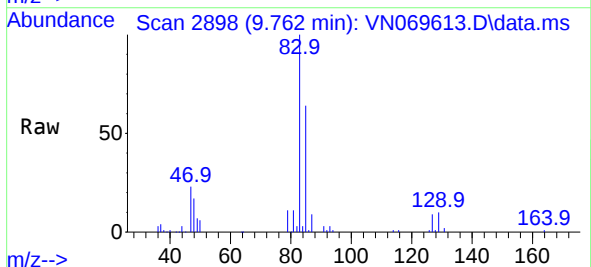
Tgt Ion:114 Resp: 879039  
Ion Ratio Lower Upper  
114 100  
63 22.8 15.8 23.6  
88 15.9 11.6 17.4

Manual Integrations  
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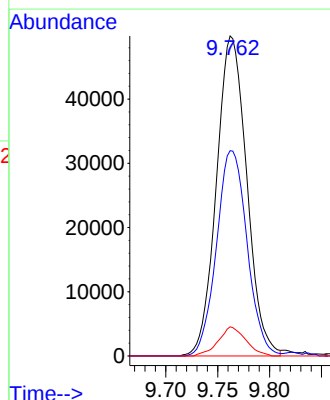
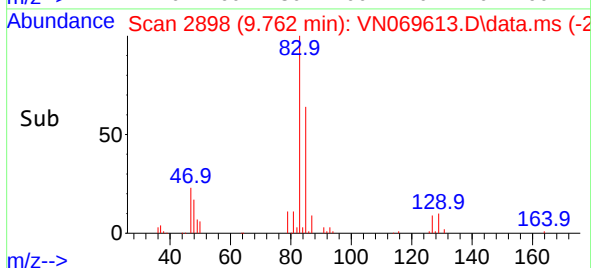
Reviewed By :John Carlone 11/23/2021  
Supervised By :Mahesh Dadoda 11/23/2021

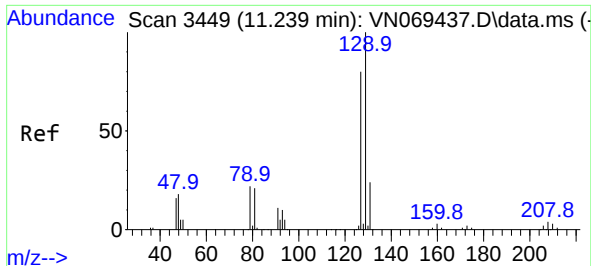


#41  
Bromodichloromethane  
Concen: 7.449 ug/l  
RT: 9.762 min Scan# 2898  
Delta R.T. -0.003 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37



Tgt Ion: 83 Resp: 101197  
Ion Ratio Lower Upper  
83 100  
85 64.1 54.1 81.1  
127 9.1 7.6 11.4





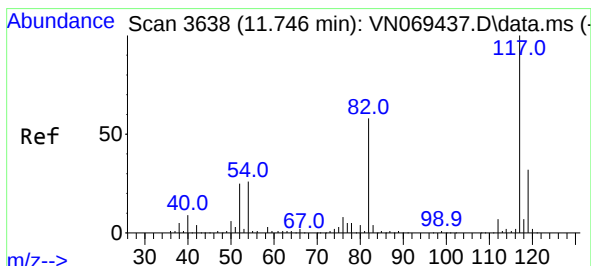
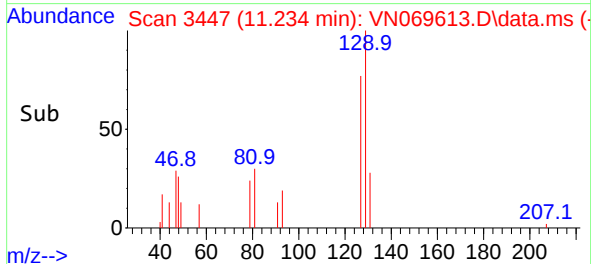
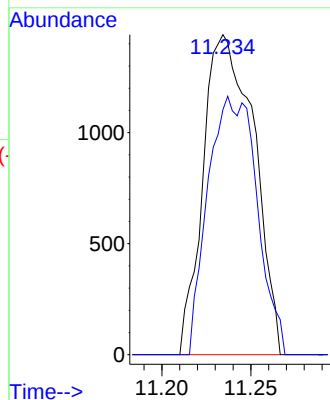
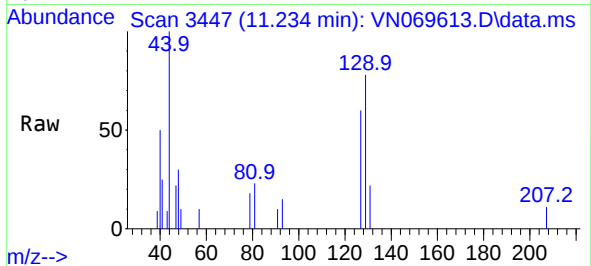
#53  
Dibromochloromethane  
Concen: 0.291 ug/l  
RT: 11.234 min Scan# 3449  
Delta R.T. -0.005 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-2

Tgt Ion:129 Resp: 285  
Ion Ratio Lower Upper  
129 100  
127 47.4 39.0 117.0

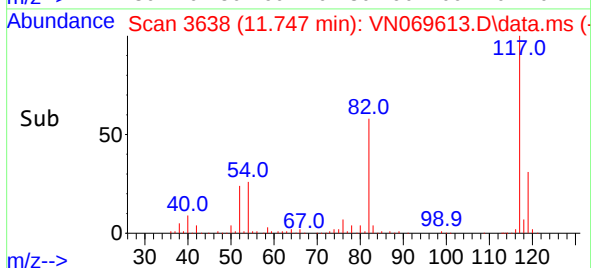
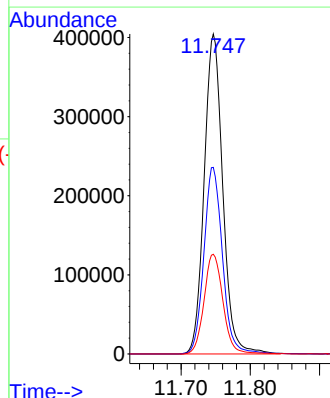
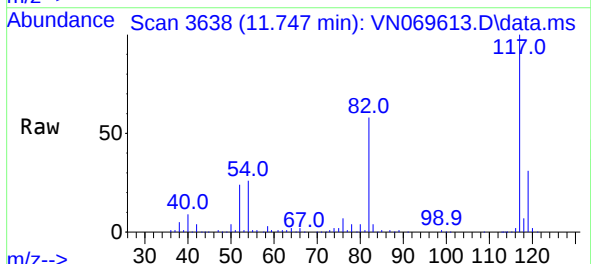
Manual Integrations  
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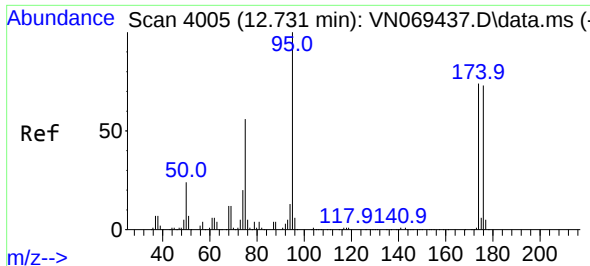
Reviewed By :John Carlone 11/23/2021  
Supervised By :Mahesh Dadoda 11/23/2021



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

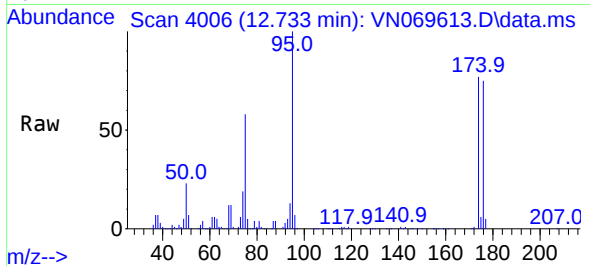
Tgt Ion:117 Resp: 754183  
Ion Ratio Lower Upper  
117 100  
82 58.5 43.6 65.4  
119 31.8 25.8 38.6





#60  
4-Bromofluorobenzene  
Concen: 23.775 ug/l  
RT: 12.733 min Scan# 4005  
Delta R.T. 0.000 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37

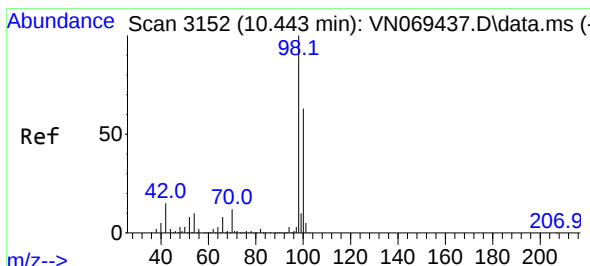
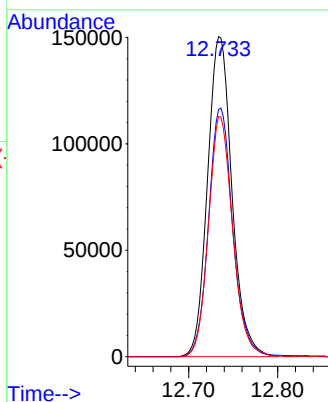
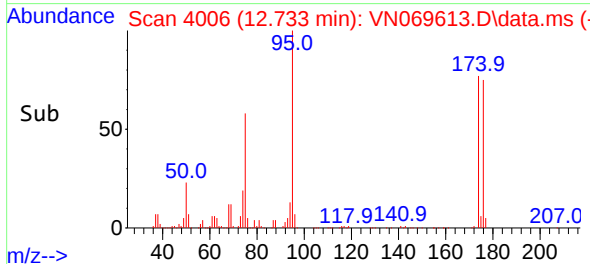
Instrument :  
MSVOA\_N  
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14B-2



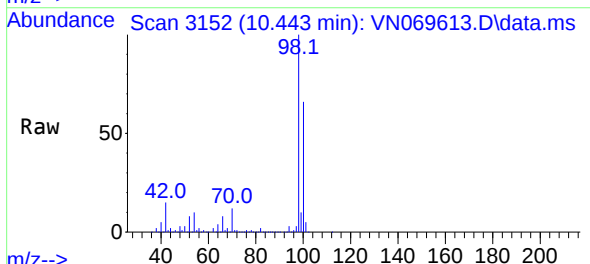
Tgt Ion: 95 Resp: 286945  
Ion Ratio Lower Upper  
95 100  
174 77.0 62.9 94.3  
176 74.2 61.0 91.4

Manual Integrations  
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#63  
Toluene-d8  
Concen: 31.009 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069613.D  
Acq: 22 Nov 2021 16:37



Tgt Ion: 98 Resp: 1079804  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.6 76.0

