

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102921\  
 Data File : VN069301.D  
 Acq On : 29 Oct 2021 15:13  
 Operator : JC/MD  
 Sample : M4338-17  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14S

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/01/2021  
 Supervised By :Semsettin Yesilyurt 11/01/2021

Quant Time: Oct 30 05:42:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 28 16:09:15 2021  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 292791     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 520004     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.747         | 117  | 506225     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678         | 152  | 189482     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 199526     | 47.208   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 94.420%  |        |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 149117     | 46.002   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 92.000%  |        |          |
| 50) Toluene-d8              | 10.443         | 98   | 650738     | 50.209   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 100.420% |        |          |
| 62) 4-Bromofluorobenzene    | 12.734         | 95   | 237693     | 48.601   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 97.200%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 16) Acetone                 | 4.296          | 43   | 4103       | 2.278    | ug/l   | 96       |
| 30) Chloroform              | 7.817          | 83   | 3039       | 0.502    | ug/l   | 84       |
| 44) Trichloroethene         | 9.212          | 130  | 1033m      | 0.304    | ug/l   |          |
| 64) Tetrachloroethene       | 10.980         | 164  | 221306     | 68.442   | ug/l   | 99       |
| 90) Hexachloroethane        | 14.211         | 117  | 3397       | 3.323    | ug/l   | 99       |
| -----                       |                |      |            |          |        |          |

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

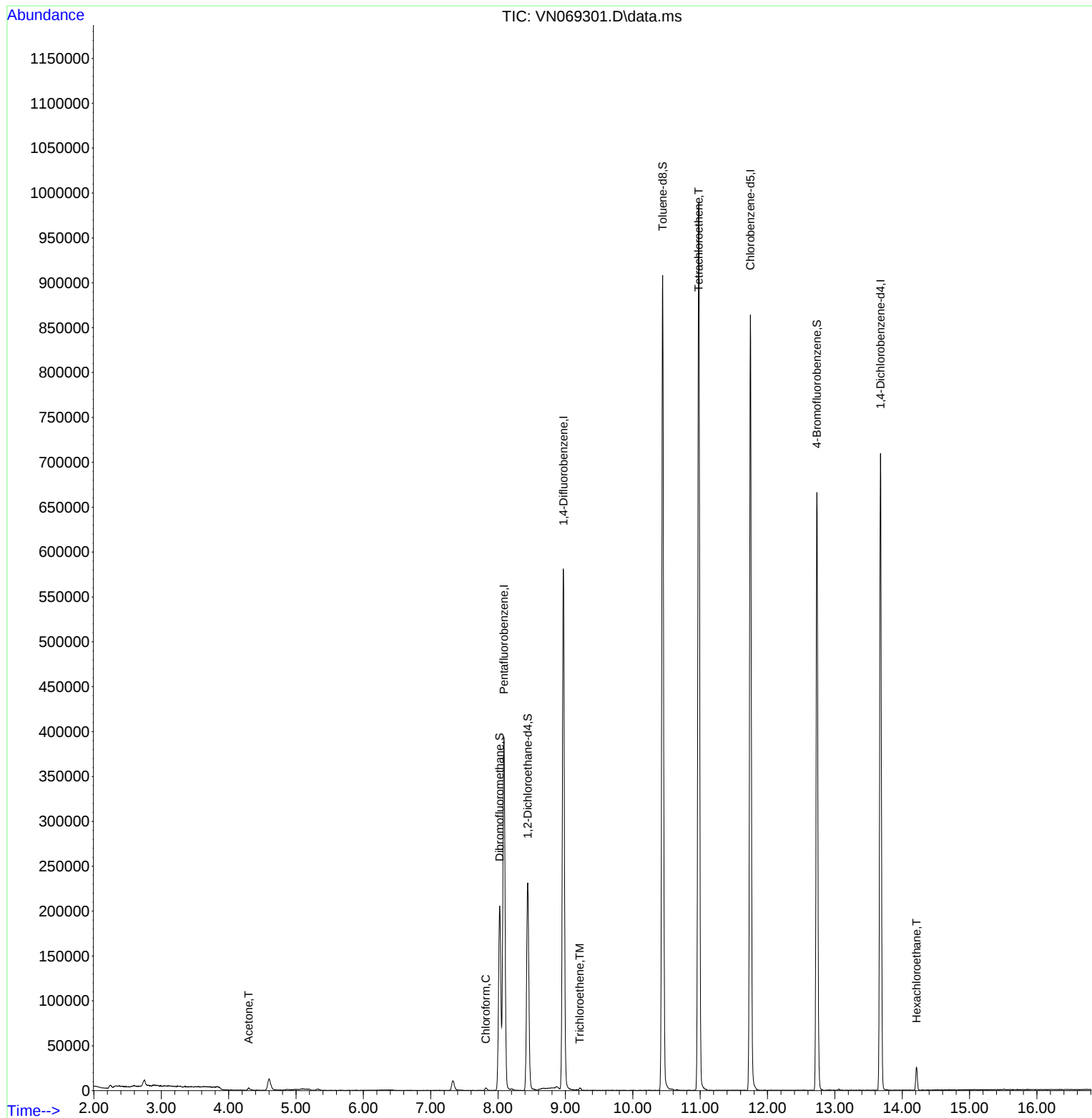
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102921\  
Data File : VN069301.D  
Acq On : 29 Oct 2021 15:13  
Operator : JC/MD  
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Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

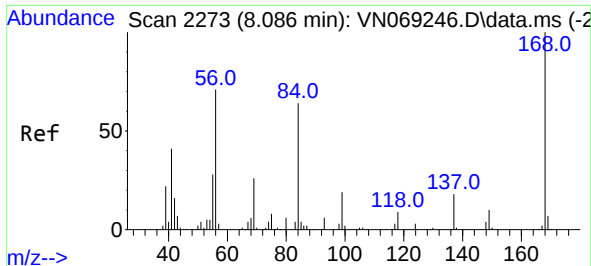
Instrument :  
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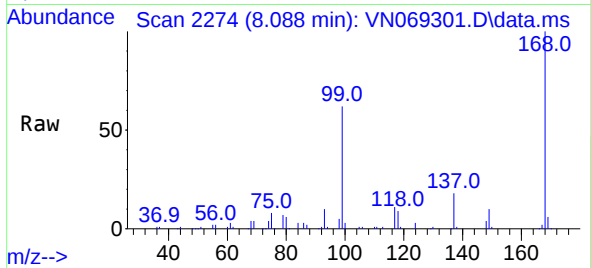
Quant Time: Oct 30 05:42:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102821W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 28 16:09:15 2021  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

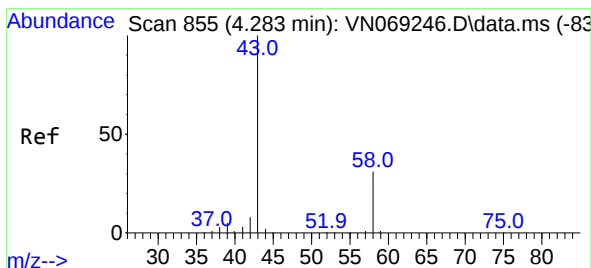
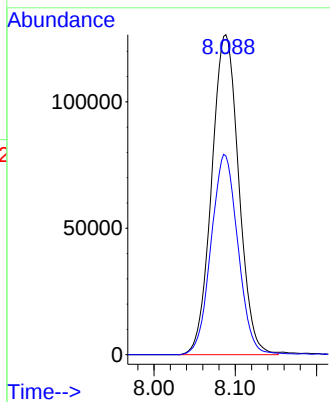
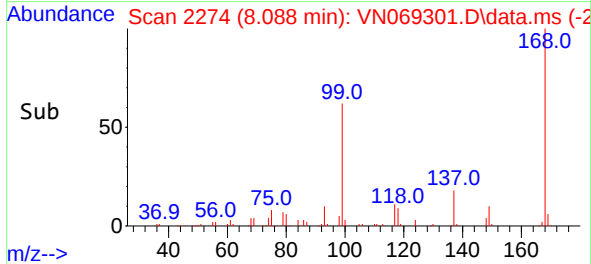
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S



Tgt Ion:168 Resp: 29279  
Ion Ratio Lower Upper  
168 100  
99 62.1 48.9 73.3

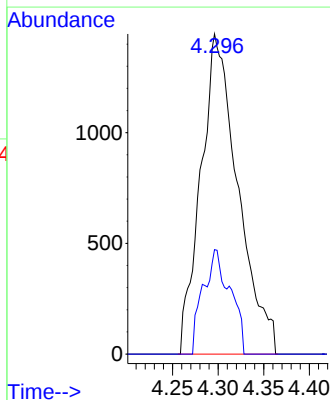
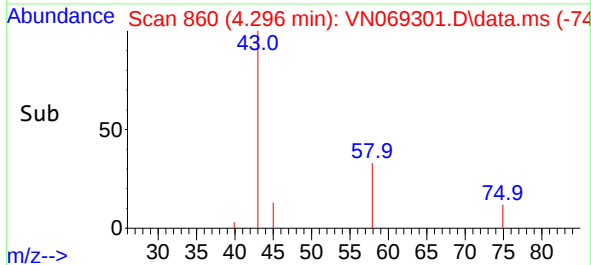
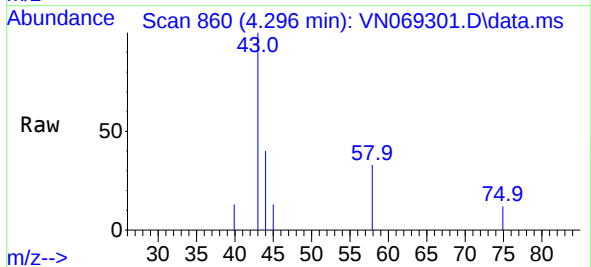
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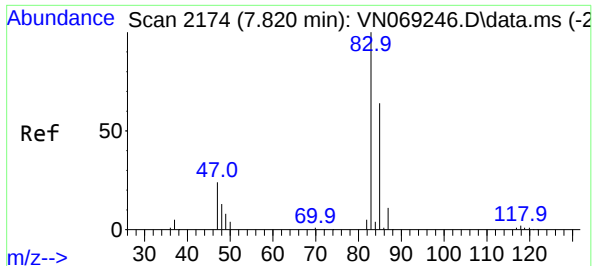
Reviewed By :Mahesh Dadoda 11/01/2021  
Supervised By :Semsettin Yesilyurt 11/01/2021



#16  
Acetone  
Concen: 2.278 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.013 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

Tgt Ion: 43 Resp: 4103  
Ion Ratio Lower Upper  
43 100  
58 32.6 24.5 36.7





#30

Chloroform

Concen: 0.502 ug/l

RT: 7.817 min Scan# 2174

Delta R.T. -0.003 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Instrument :

MSVOA\_N

ClientSampleId :

MW-14S

Tgt Ion: 83 Resp: 3039

Ion Ratio Lower Upper

83 100

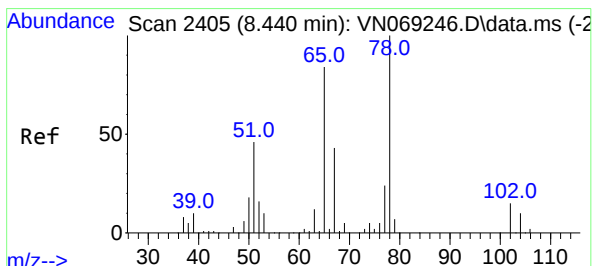
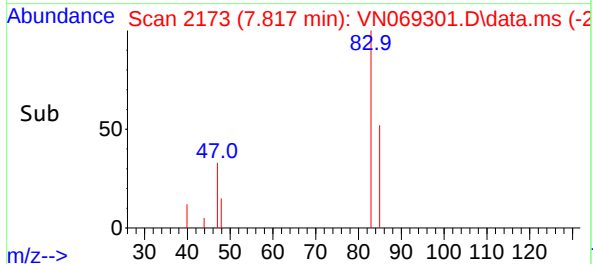
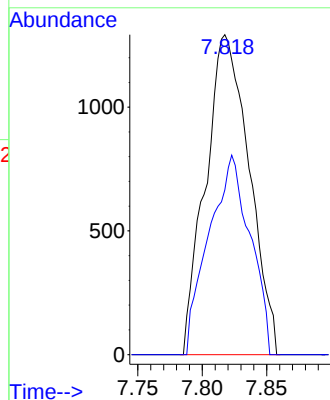
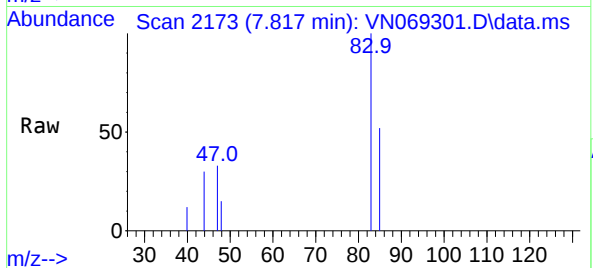
85 51.5 51.1 76.7

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 47.208 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069301.D

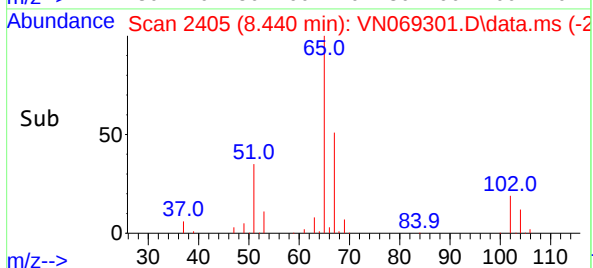
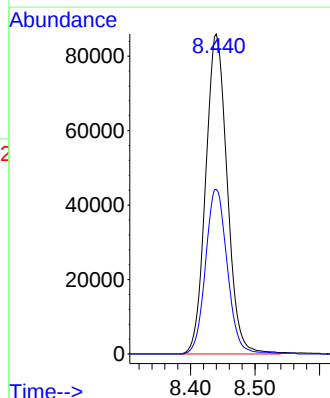
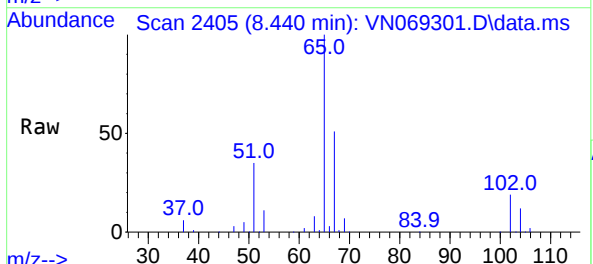
Acq: 29 Oct 2021 15:13

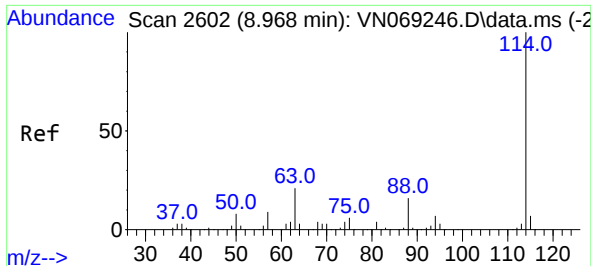
Tgt Ion: 65 Resp: 199526

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Instrument :

MSVOA\_N

ClientSampleId :

MW-14S

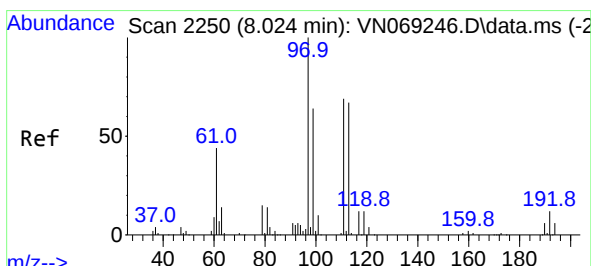
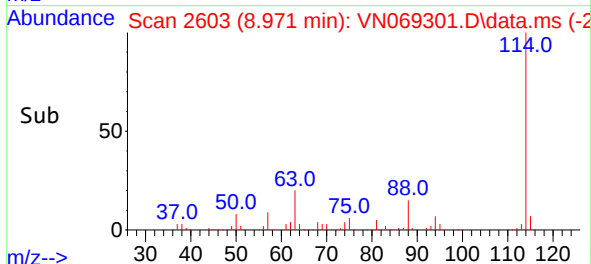
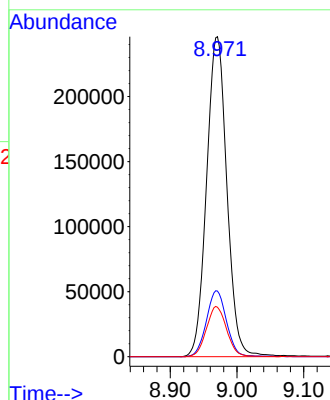
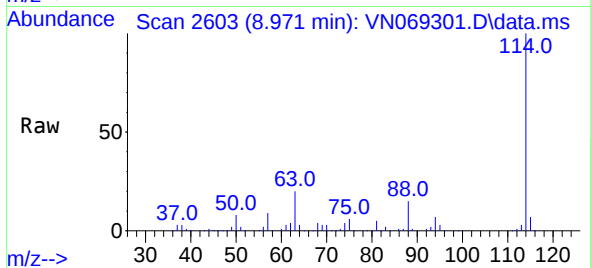
Tgt Ion:114 Resp: 520004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.5  | 0.0   | 42.6  |
| 88  | 15.5  | 0.0   | 32.0  |

Manual Integrations

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Supervised By :Semsettin Yesilyurt 11/01/2021



#35

Dibromofluoromethane

Concen: 46.002 ug/l

RT: 8.024 min Scan# 2250

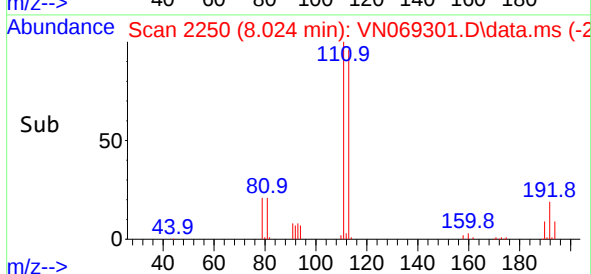
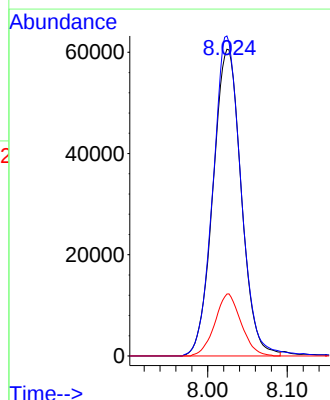
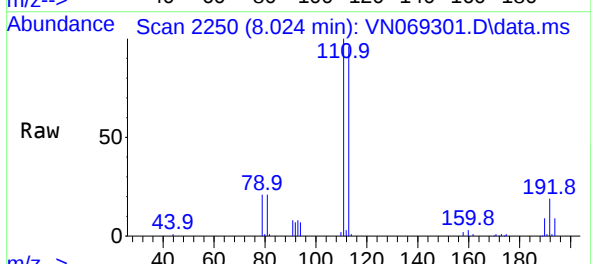
Delta R.T. 0.000 min

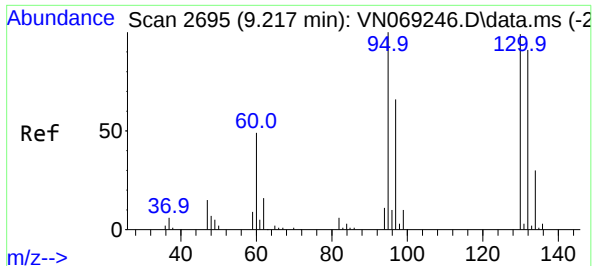
Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Tgt Ion:113 Resp: 149117

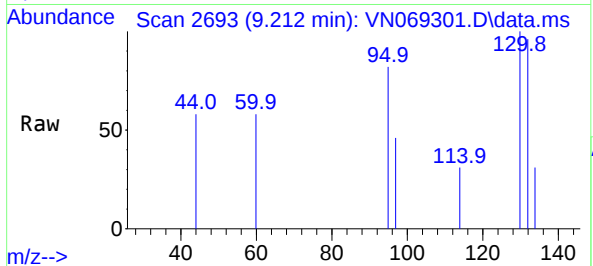
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.2 | 83.2  | 124.8 |
| 192 | 18.8  | 15.0  | 22.4  |





#44  
Trichloroethene  
Concen: 0.304 ug/l m  
RT: 9.212 min Scan# 2693  
Delta R.T. -0.005 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

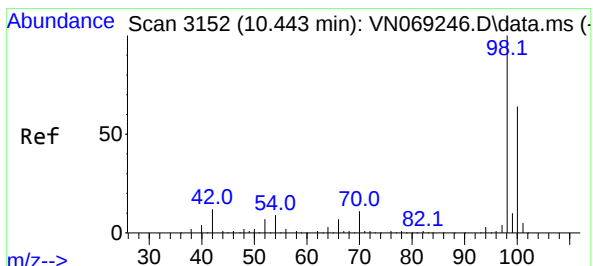
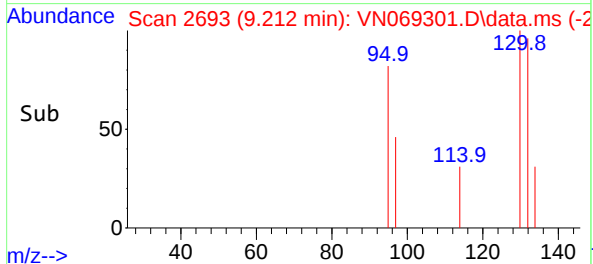
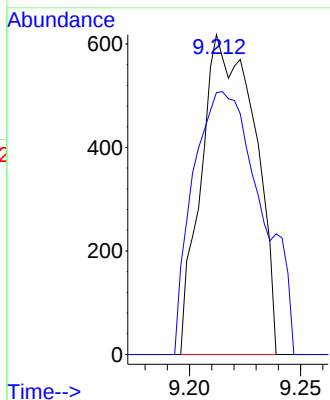
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S



Tgt Ion:130 Resp: 103  
Ion Ratio Lower Upper  
130 100  
95 81.9 0.0 208.0

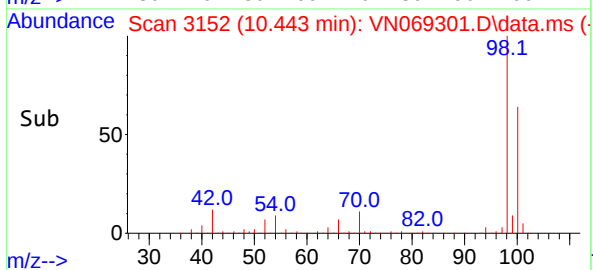
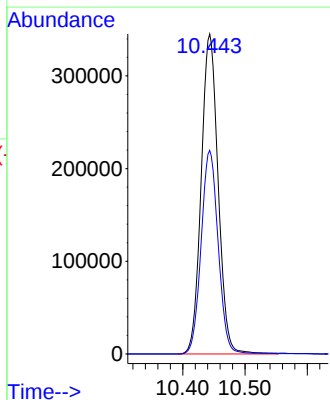
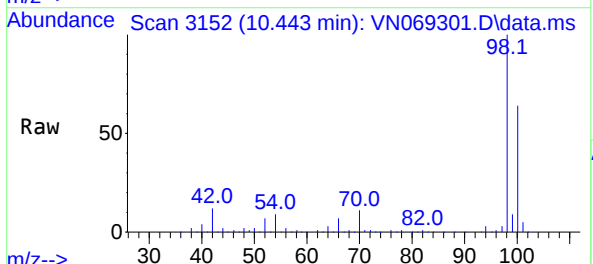
Manual Integrations  
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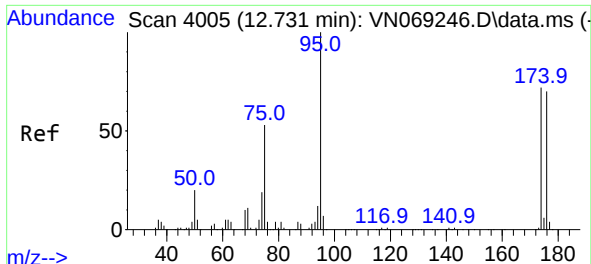
Reviewed By :Mahesh Dadoda 11/01/2021  
Supervised By :Semsettin Yesilyurt 11/01/2021



#50  
Toluene-d8  
Concen: 50.209 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

Tgt Ion: 98 Resp: 650738  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.5 77.3





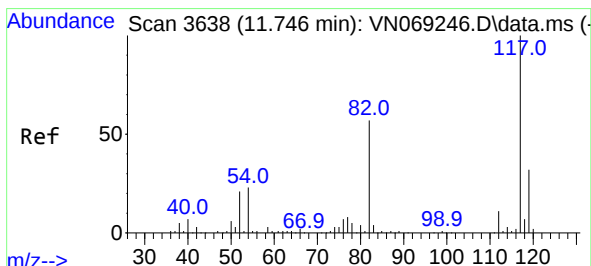
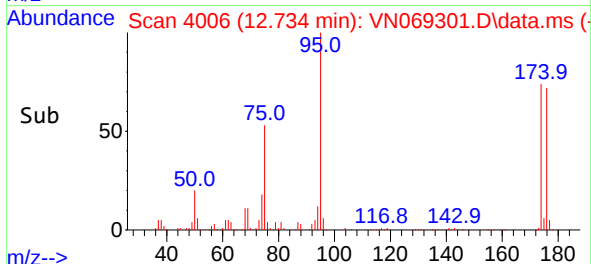
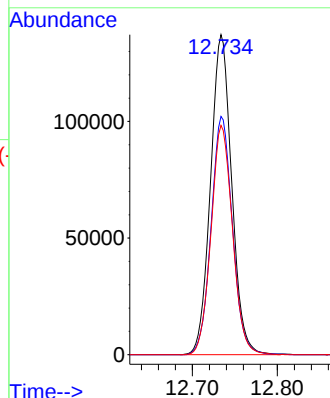
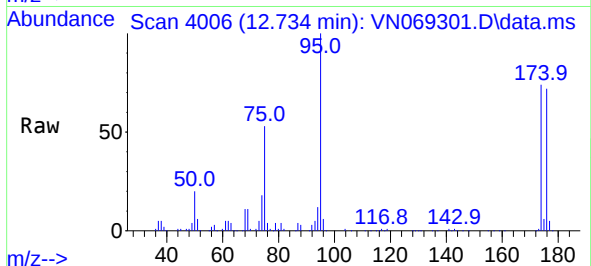
#62  
4-Bromofluorobenzene  
Concen: 48.601 ug/l  
RT: 12.734 min Scan# 4005  
Delta R.T. 0.003 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S

Tgt Ion: 95 Resp: 23769  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 144.8  
176 72.6 0.0 140.0

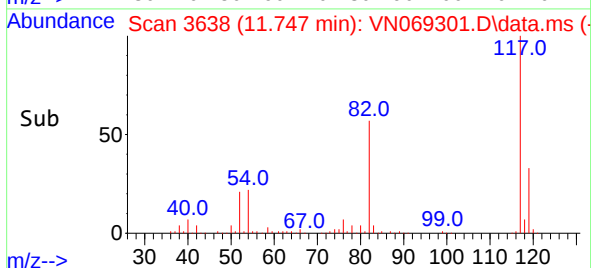
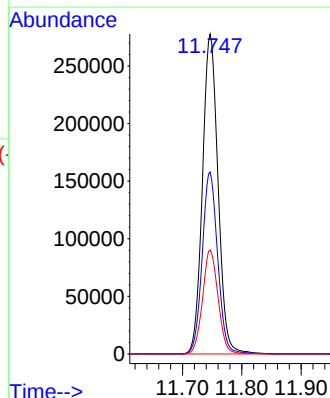
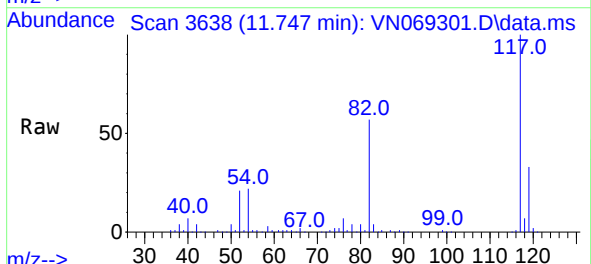
Manual Integrations  
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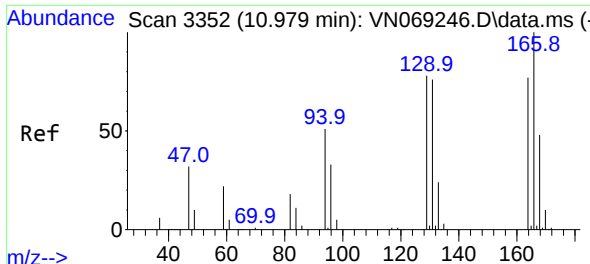
Reviewed By :Mahesh Dadoda 11/01/2021  
Supervised By :Semsettin Yesilyurt 11/01/2021



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

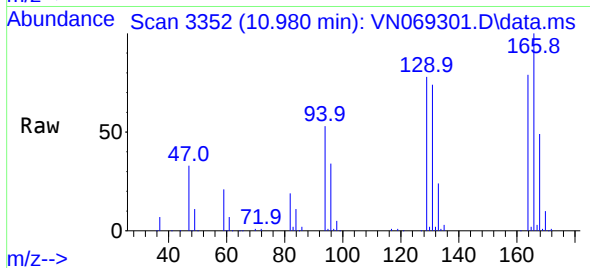
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Ion Ratio Lower Upper  
117 100  
82 56.8 46.4 69.6  
119 32.5 26.0 39.0





#64  
Tetrachloroethene  
Concen: 68.442 ug/l  
RT: 10.980 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

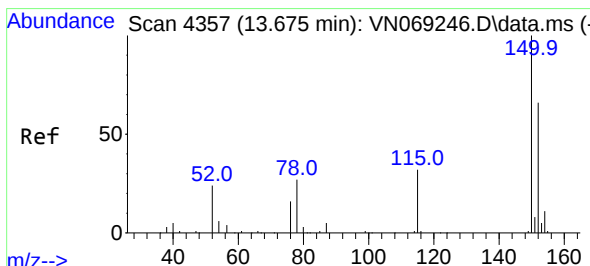
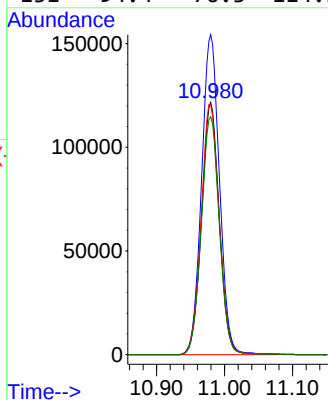
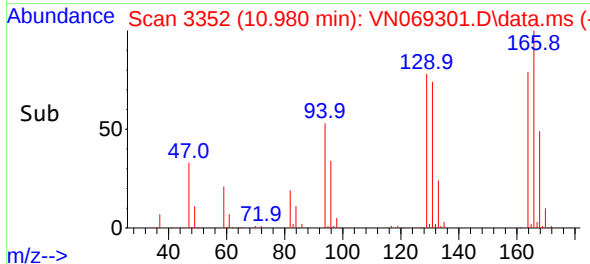
Instrument :  
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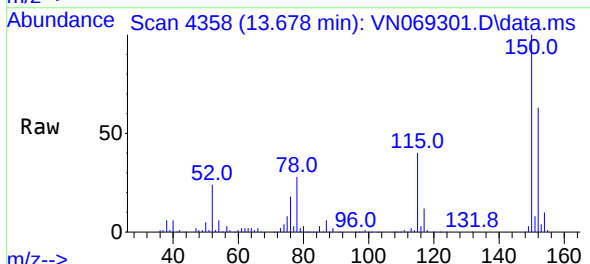
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Ion Ratio Lower Upper  
164 100  
166 126.9 99.8 149.8  
129 99.4 79.2 118.8  
131 94.4 76.3 114.5

Manual Integrations  
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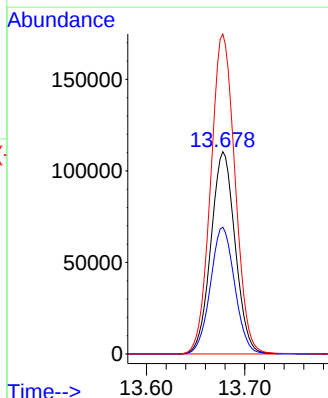
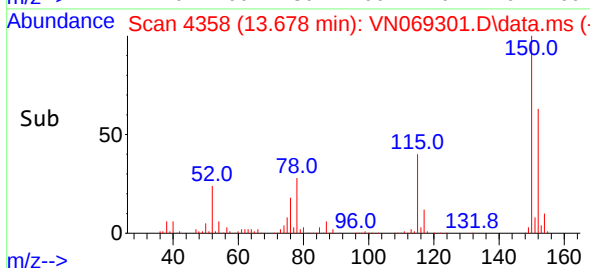
Reviewed By :Mahesh Dadoda 11/01/2021  
Supervised By :Semsettin Yesilyurt 11/01/2021

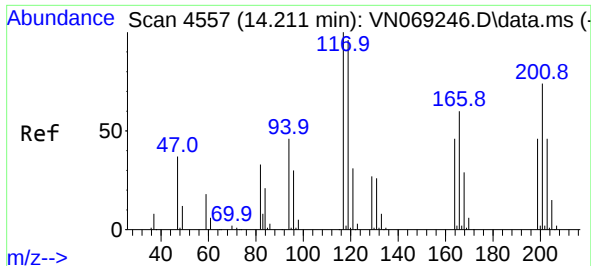


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13



Tgt Ion:152 Resp: 189482  
Ion Ratio Lower Upper  
152 100  
115 62.8 31.4 94.3  
150 158.8 0.0 351.0





#90  
Hexachloroethane  
Concen: 3.323 ug/l  
RT: 14.211 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN069301.D  
Acq: 29 Oct 2021 15:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S

Tgt Ion:117 Resp: 339  
Ion Ratio Lower Upper  
117 100  
201 75.4 37.1 111.5

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