

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072024\  
 Data File : VX042407.D  
 Acq On : 19 Jul 2024 17:19  
 Operator : JC/MD  
 Sample : P3215-14MERE  
 Misc : 5.29g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 A4D31MERE

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/22/2024  
 Supervised By : Mahesh Dadoda 07/24/2024

Quant Time: Jul 20 01:55:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML070324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 20 01:45:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|----------|----------|
| Internal Standards            |         |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114            | 63105    | 50.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117            | 56676    | 50.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152            | 28380    | 50.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.398   | 65             | 15813m   | 43.051 | ug/L     | 0.03     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 86.100%  |          |
| 7) Chloroethane-d5            | 1.703   | 69             | 7899m    | 34.155 | ug/L     | 0.05     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 68.300%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.276   | 65             | 5629     | 35.016 | ug/L     | -0.02    |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 70.040%  |          |
| 21) 2-Butanone-d5             | 4.507   | 46             | 22879    | 86.434 | ug/L     | 0.05     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 86.430%  |          |
| 24) Chloroform-d              | 5.056   | 84             | 33801    | 45.768 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 91.540%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65             | 22364    | 51.303 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 102.600% |          |
| 32) Benzene-d6                | 5.964   | 84             | 76578    | 52.274 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 104.540% |          |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67             | 21999    | 49.900 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 99.800%  |          |
| 41) Toluene-d8                | 8.647   | 98             | 68370    | 50.082 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 100.160% |          |
| 43) trans-1,3-Dichloroprop... | 8.958   | 79             | 7740     | 40.622 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 81.240%  |          |
| 47) 2-Hexanone-d5             | 9.397   | 63             | 17142    | 85.661 | ug/L     | 0.01     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 85.660%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84             | 30567    | 46.898 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 93.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152            | 28552    | 51.797 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 103.600% |          |
| Target Compounds              |         |                |          |        |          |          |
| 13) Acetone                   | 2.410   | 43             | 1882     | 10.422 | ug/L     | 99       |
| 15) Methyl Acetate            | 2.721   | 43             | 12869    | 28.049 | ug/L     | 98       |
| 29) Cyclohexane               | 5.452   | 56             | 2270m    | 3.706  | ug/L     |          |
| 35) Methylcyclohexane         | 7.366   | 83             | 6338     | 10.069 | ug/L     | 93       |
| 42) Toluene                   | 8.720   | 91             | 6041     | 3.572  | ug/L     | 84       |
| 53) m,p-Xylene                | 10.299  | 106            | 2952     | 3.991  | ug/L     | 92       |
| 54) o-Xylene                  | 10.646  | 106            | 2325     | 3.147  | ug/L     | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.756  | 105            | 2720     | 1.878  | ug/L     | 100      |

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

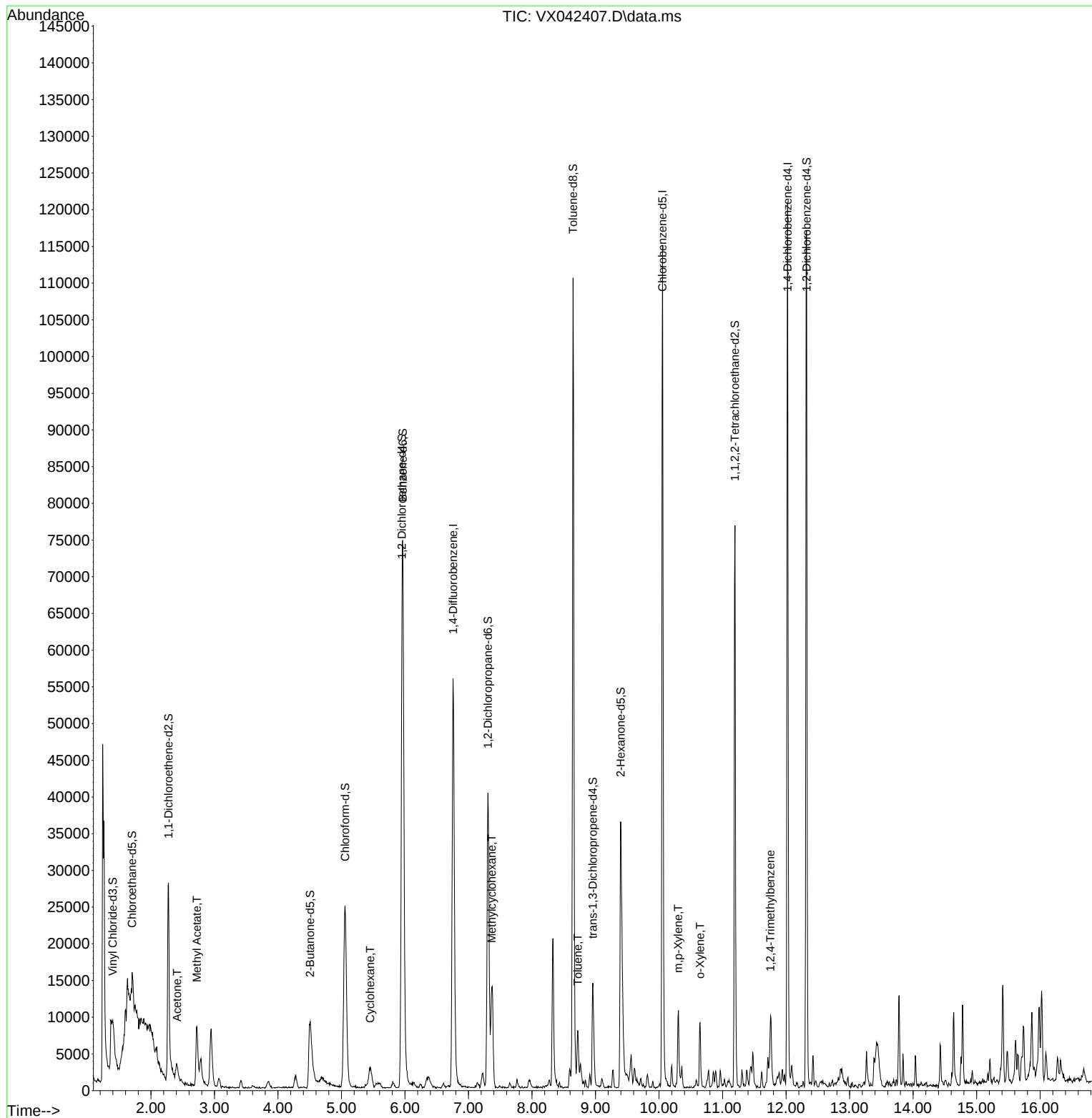
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072024\  
Data File : VX042407.D  
Acq On : 19 Jul 2024 17:19  
Operator : JC/MD  
Sample : P3215-14MERE  
Misc : 5.29g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 5 Sample Multiplier: 1

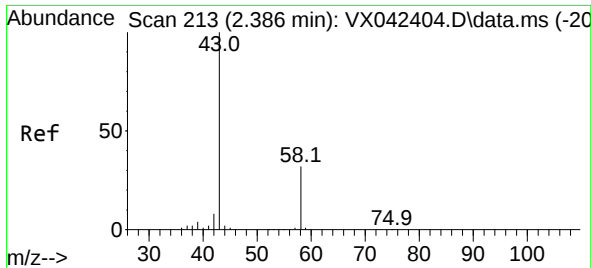
Instrument :  
MSVOA\_X  
ClientSampleId :  
A4D31MERE

Quant Time: Jul 20 01:55:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM070324WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 20 01:45:50 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By : John Carlone 07/22/2024  
Supervised By : Mahesh Dadoda 07/24/2024





#13

Acetone

Concen: 10.422 ug/L

RT: 2.410 min Scan# 21

Delta R.T. 0.024 min

Lab File: VX042407.D

Acq: 19 Jul 2024 17:19

Instrument :

MSVOA\_X

ClientSampleId :

A4D31MERE

Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

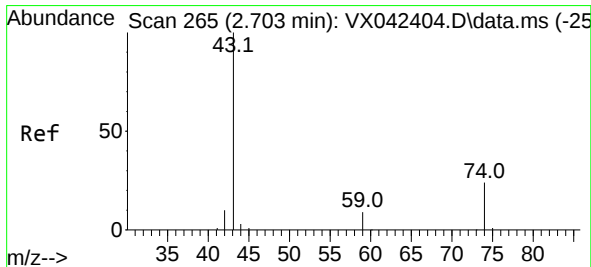
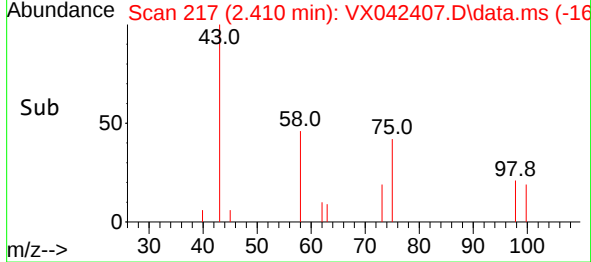
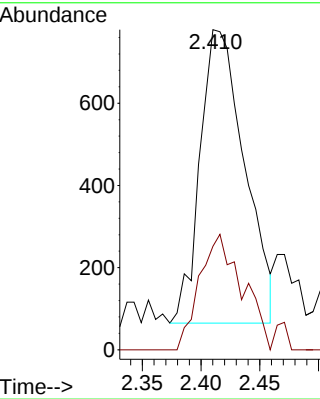
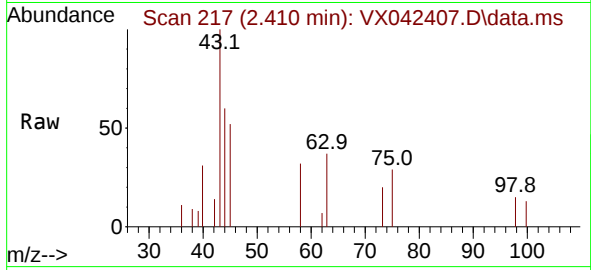
58 30.9 0.0 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2024

Supervised By :Mahesh Dadoda 07/24/2024



#15

Methyl Acetate

Concen: 28.049 ug/L

RT: 2.721 min Scan# 268

Delta R.T. 0.018 min

Lab File: VX042407.D

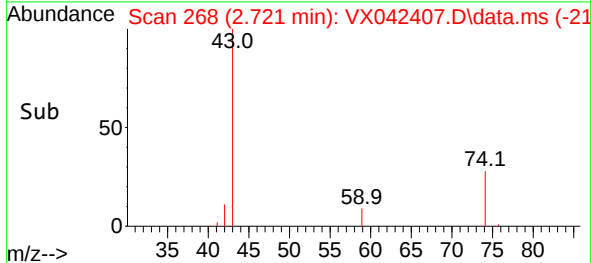
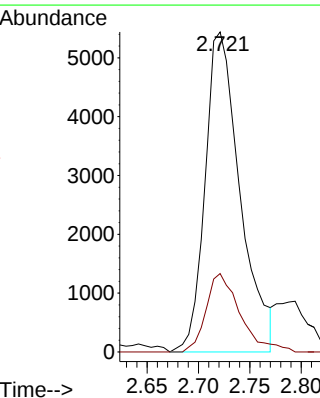
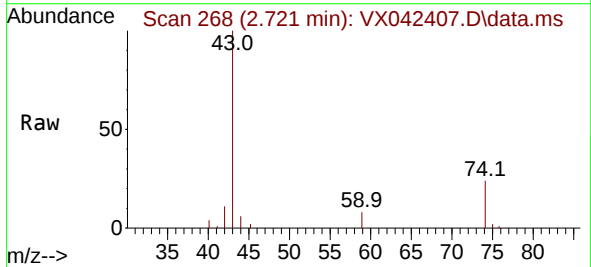
Acq: 19 Jul 2024 17:19

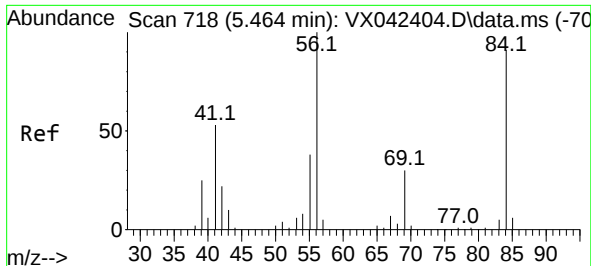
Tgt Ion: 43 Resp: 12869

Ion Ratio Lower Upper

43 100

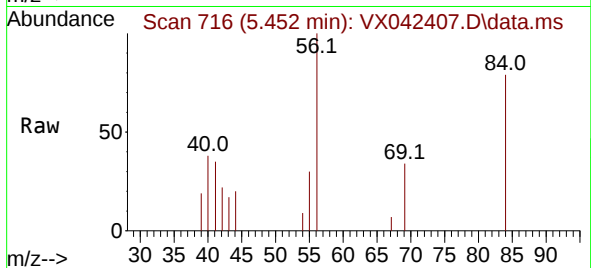
74 23.9 20.1 30.1





#29  
Cyclohexane  
Concen: 3.706 ug/L m  
RT: 5.452 min Scan# 716  
Delta R.T. -0.012 min  
Lab File: VX042407.D  
Acq: 19 Jul 2024 17:19

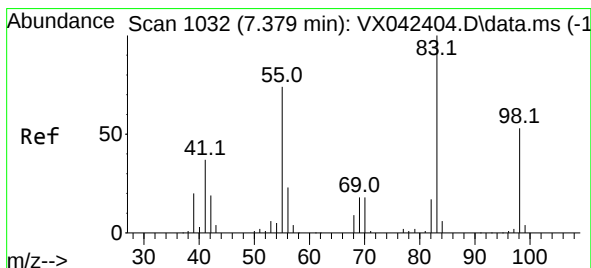
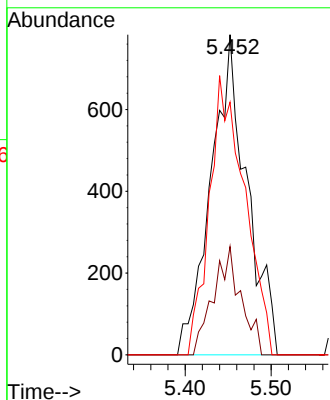
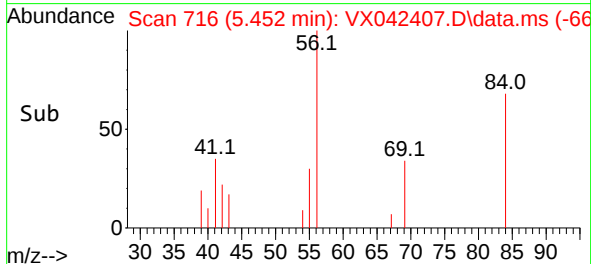
Instrument :  
MSVOA\_X  
ClientSampleId :  
A4D31MERE



Tgt Ion: 56 Resp: 2270  
Ion Ratio Lower Upper  
56 100  
69 24.7 25.3 37.9  
84 85.3 74.0 111.0

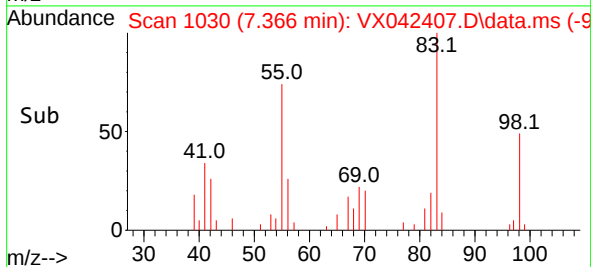
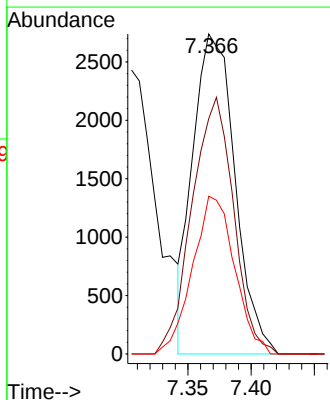
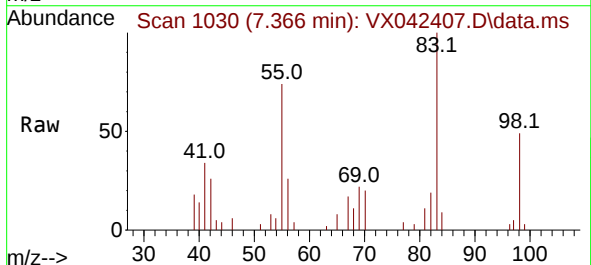
Manual Integrations  
APPROVED

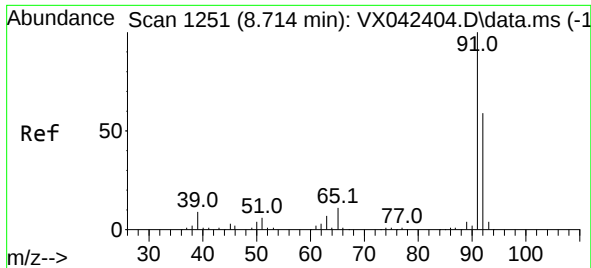
Reviewed By :John Carlone 07/22/2024  
Supervised By :Mahesh Dadoda 07/24/2024



#35  
Methylcyclohexane  
Concen: 10.069 ug/L  
RT: 7.366 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VX042407.D  
Acq: 19 Jul 2024 17:19

Tgt Ion: 83 Resp: 6338  
Ion Ratio Lower Upper  
83 100  
55 79.2 56.4 84.6  
98 49.2 40.4 60.6





#42

Toluene

Concen: 3.572 ug/L

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042407.D

Acq: 19 Jul 2024 17:19

Instrument :

MSVOA\_X

ClientSampleId :

A4D31MERE

Tgt Ion: 91 Resp: 604

Ion Ratio Lower Upper

91 100

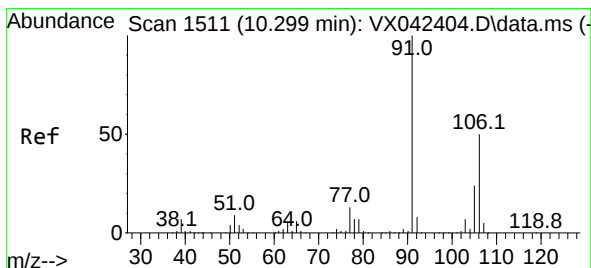
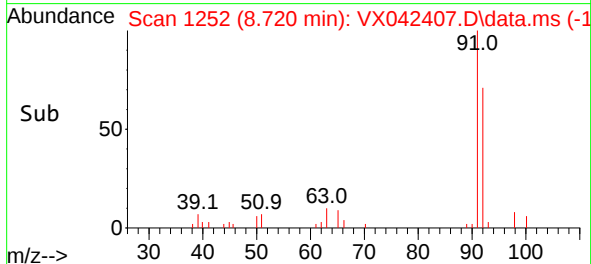
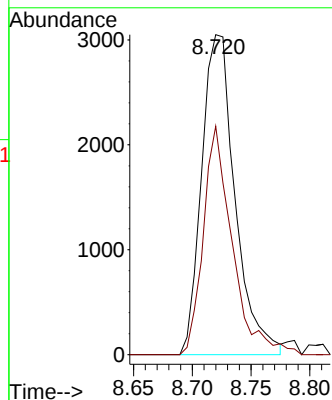
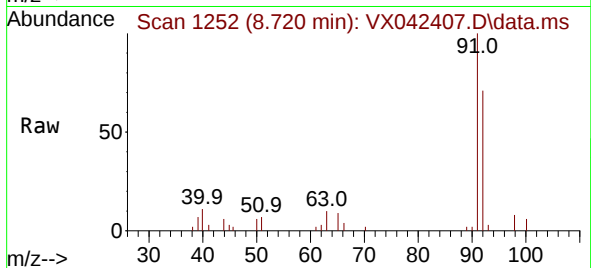
92 71.4 41.6 77.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2024

Supervised By :Mahesh Dadoda 07/24/2024



#53

m,p-Xylene

Concen: 3.991 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX042407.D

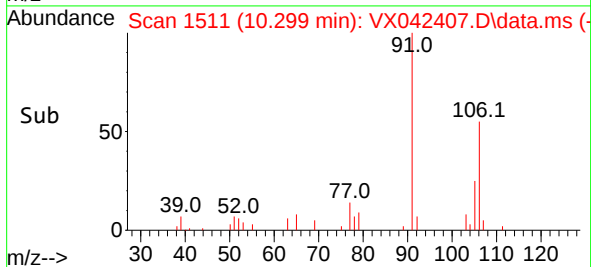
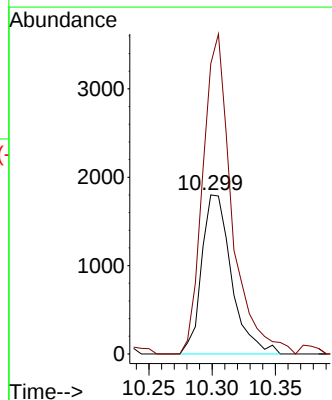
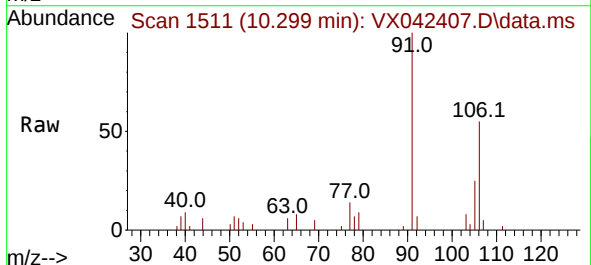
Acq: 19 Jul 2024 17:19

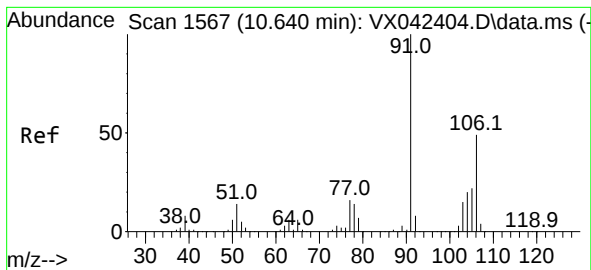
Tgt Ion:106 Resp: 2952

Ion Ratio Lower Upper

106 100

91 182.4 136.4 253.2





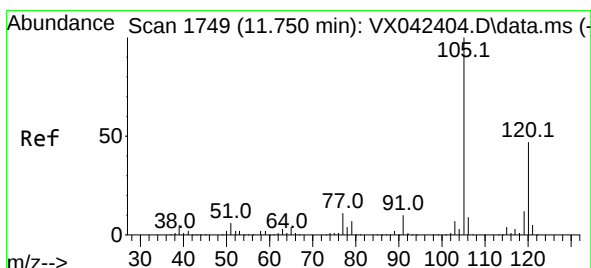
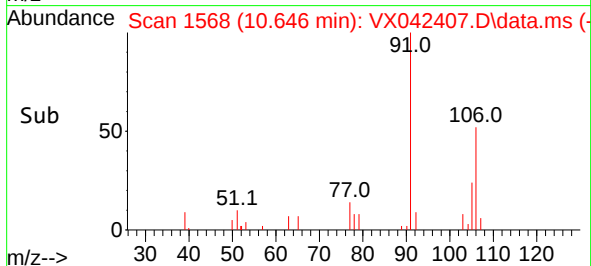
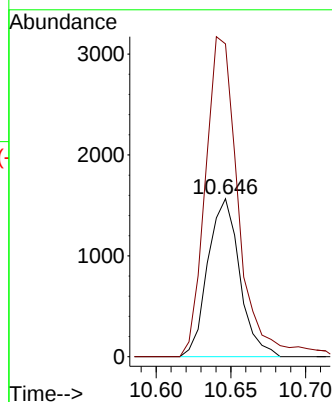
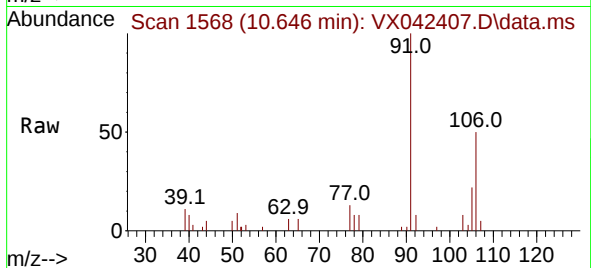
#54  
o-Xylene  
Concen: 3.147 ug/L  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX042407.D  
Acq: 19 Jul 2024 17:19

Instrument :  
MSVOA\_X  
ClientSampleId :  
A4D31MERE

Tgt Ion:106 Resp: 232  
Ion Ratio Lower Upper  
106 100  
91 198.0 143.4 266.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/22/2024  
Supervised By :Mahesh Dadoda 07/24/2024



#63  
1,2,4-Trimethylbenzene  
Concen: 1.878 ug/L  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VX042407.D  
Acq: 19 Jul 2024 17:19

Tgt Ion:105 Resp: 2720  
Ion Ratio Lower Upper  
105 100  
120 47.9 38.4 57.6

