

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122923\  
 Data File : VX039546.D  
 Acq On : 29 Dec 2023 15:31  
 Operator : JC/MD  
 Sample : 06038-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T-803

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024  
 Supervised By :Mahesh Dadoda 01/01/2024

Quant Time: Dec 30 02:02:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 85470      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 175420     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 177574     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 83944      | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 76985      | 49.168   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 98.340%  |        |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 57403      | 47.367   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.740%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 224823     | 49.970   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 99.940%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 97486      | 52.515   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 105.040% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          | Qvalue |          |
| 11) Tert butyl alcohol      | 2.977          | 59   | 4084m      | 10.387   | ug/l   |          |
| 16) Acetone                 | 2.380          | 43   | 296101     | 334.923  | ug/l   | 98       |
| 20) Methylene Chloride      | 2.788          | 84   | 602985     | 461.973  | ug/l   | 98       |
| 25) 2-Butanone              | 4.574          | 43   | 16740      | 12.390   | ug/l   | 92       |
| 31) Cyclohexane             | 5.458          | 56   | 2808       | 1.388    | ug/l # | 80       |
| 40) Benzene                 | 6.037          | 78   | 620806     | 114.758  | ug/l   | 99       |
| 43) Isopropyl Acetate       | 6.342          | 43   | 43432      | 11.304   | ug/l   | 99       |
| 52) Toluene                 | 8.720          | 92   | 10400      | 3.185    | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.195         | 91   | 1356456    | 188.011  | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.299         | 106  | 149895     | 57.946   | ug/l   | 94       |
| 69) o-Xylene                | 10.640         | 106  | 114604     | 45.821   | ug/l   | 92       |
| 73) Isopropylbenzene        | 10.963         | 105  | 108239     | 16.712   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.305         | 91   | 31752      | 3.979    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 63855      | 11.573   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 314195     | 55.530   | ug/l   | 99       |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 8856       | 1.579    | ug/l # | 70       |
| 95) Naphthalene             | 13.786         | 128  | 11979011   | 1951.220 | ug/l # | 91       |
| -----                       |                |      |            |          |        |          |

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

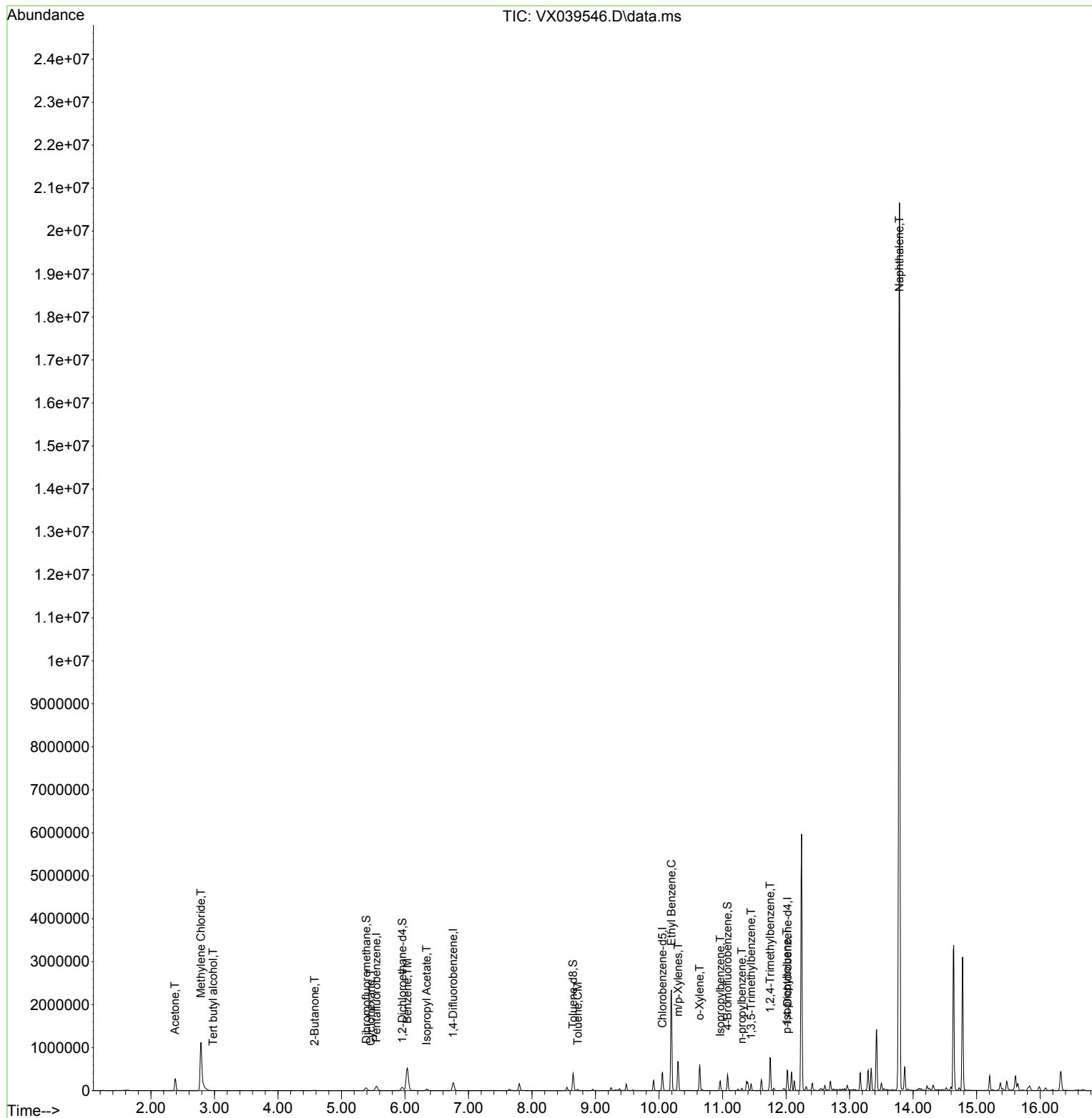
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122923\  
Data File : VX039546.D  
Acq On : 29 Dec 2023 15:31  
Operator : JC/MD  
Sample : 06038-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

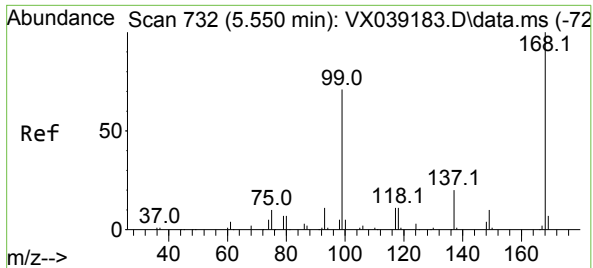
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803

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Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024

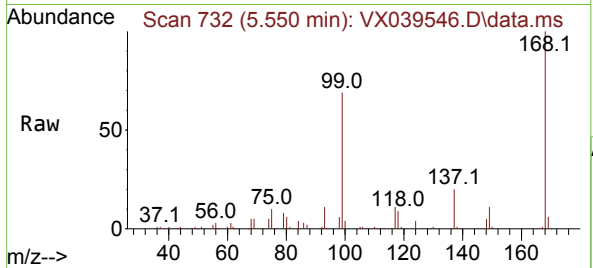
Quant Time: Dec 30 02:02:27 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 14 01:28:15 2023  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

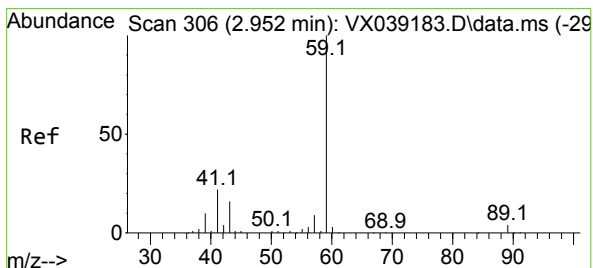
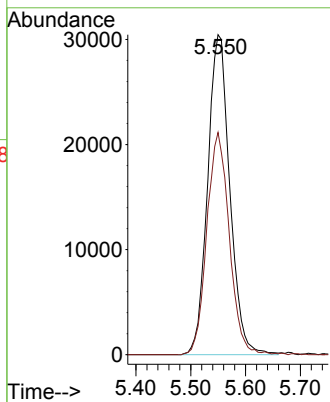
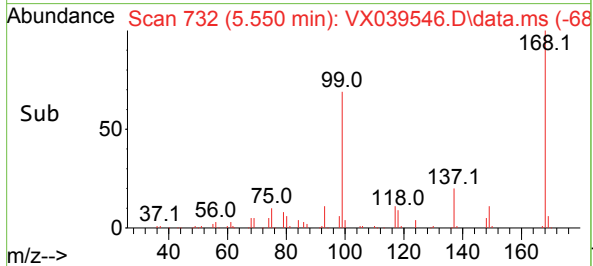
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion:168 Resp: 85470  
Ion Ratio Lower Upper  
168 100  
99 69.5 56.6 85.0

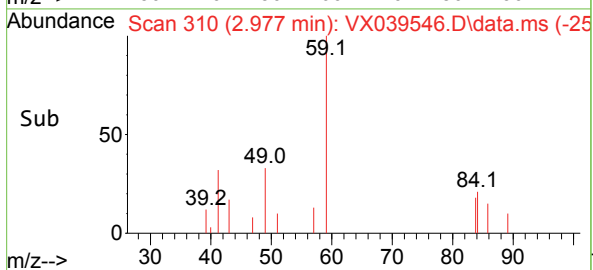
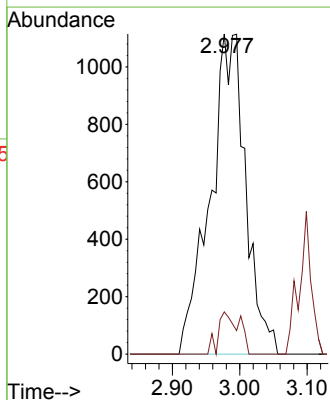
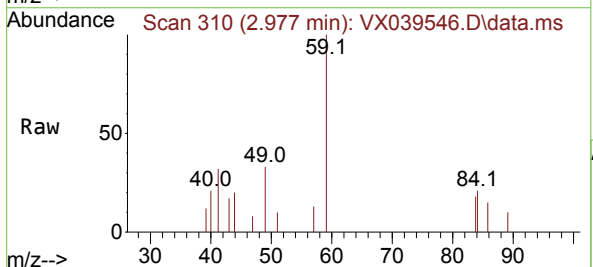
Manual Integrations  
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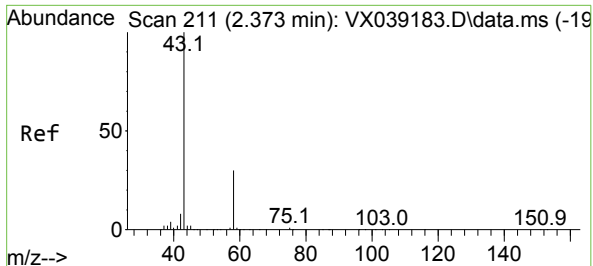
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#11  
Tert butyl alcohol  
Concen: 10.387 ug/l m  
RT: 2.977 min Scan# 310  
Delta R.T. 0.025 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

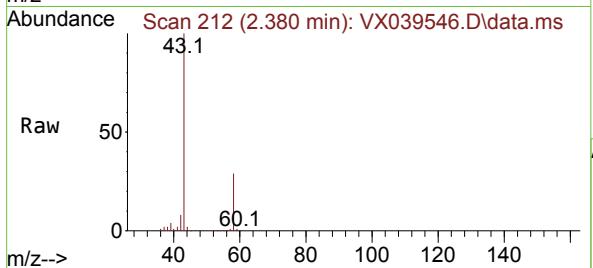
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Ion Ratio Lower Upper  
59 100  
57 7.8 6.0 9.0





#16  
Acetone  
Concen: 334.923 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.007 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

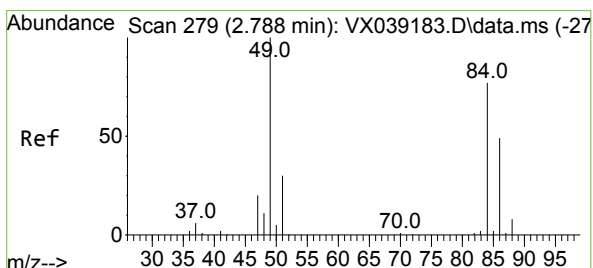
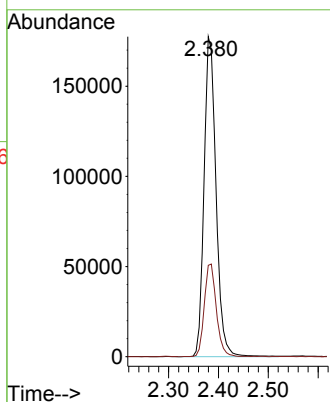
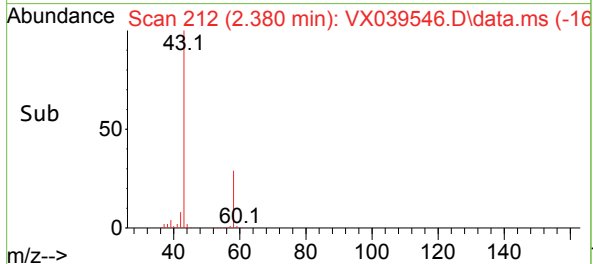
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion: 43 Resp: 29610  
Ion Ratio Lower Upper  
43 100  
58 28.6 21.9 32.9

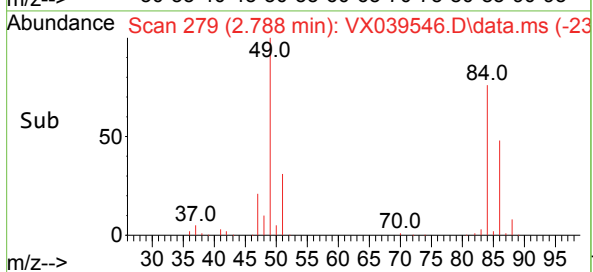
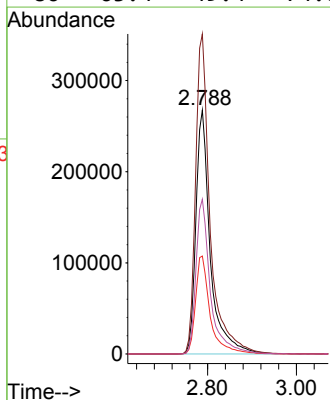
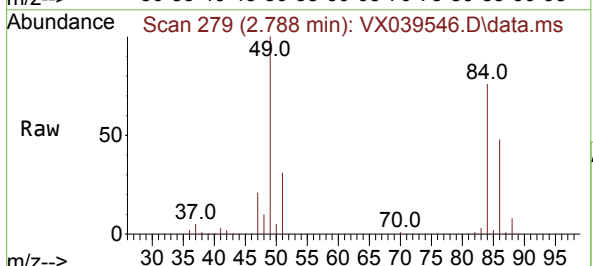
Manual Integrations  
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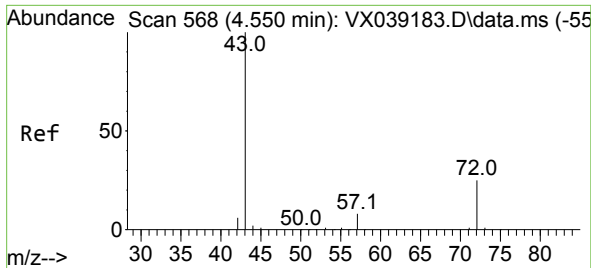
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#20  
Methylene Chloride  
Concen: 461.973 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

Tgt Ion: 84 Resp: 602985  
Ion Ratio Lower Upper  
84 100  
49 131.3 103.6 155.4  
51 40.2 33.8 50.6  
86 63.4 49.4 74.0





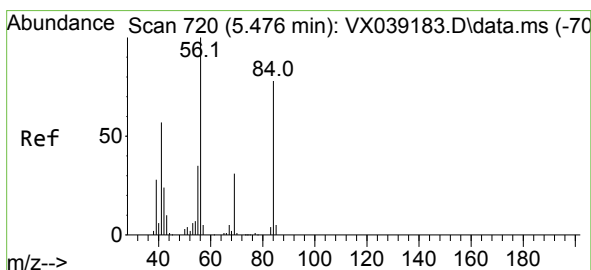
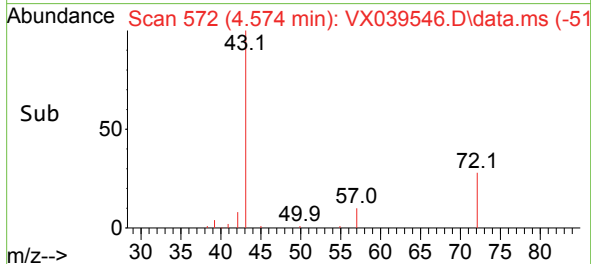
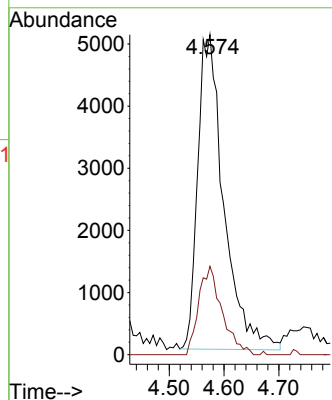
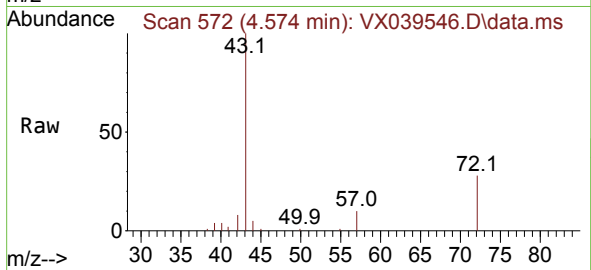
#25  
2-Butanone  
Concen: 12.390 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.025 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803

Tgt Ion: 43 Resp: 16740  
Ion Ratio Lower Upper  
43 100  
72 28.1 19.4 29.2

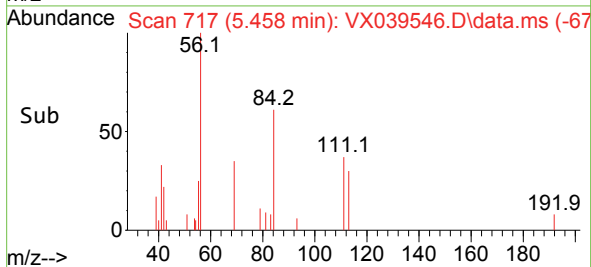
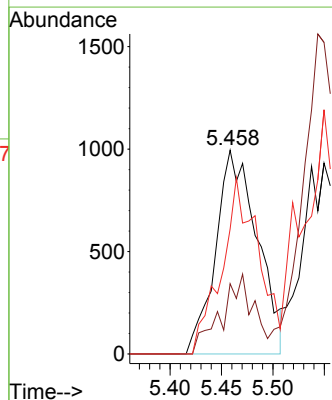
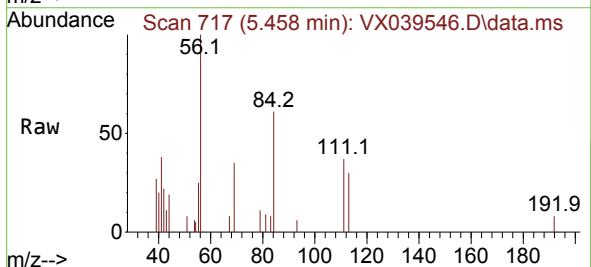
Manual Integrations  
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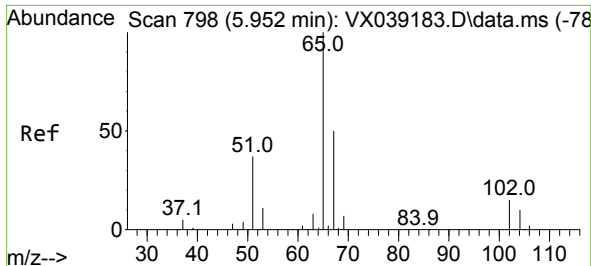
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#31  
Cyclohexane  
Concen: 1.388 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.018 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

Tgt Ion: 56 Resp: 2808  
Ion Ratio Lower Upper  
56 100  
69 34.5 23.4 35.2  
84 61.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039546.D

Acq: 29 Dec 2023 15:31

Instrument :

MSVOA\_X

ClientSampleId :

T-803

Tgt Ion: 65 Resp: 7698

Ion Ratio Lower Upper

65 100

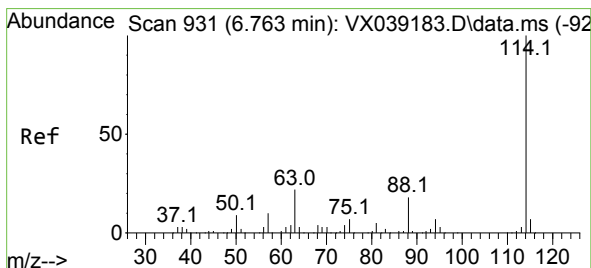
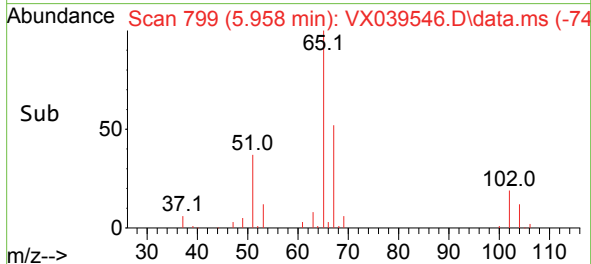
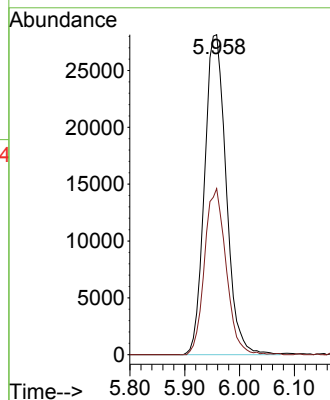
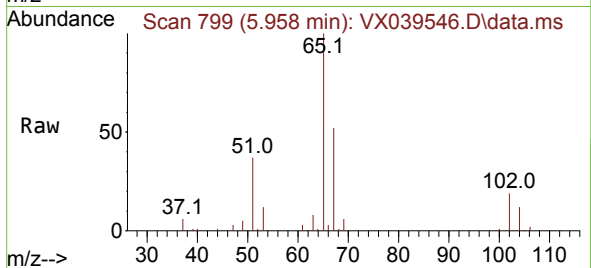
67 51.8 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024

Supervised By :Mahesh Dadoda 01/01/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039546.D

Acq: 29 Dec 2023 15:31

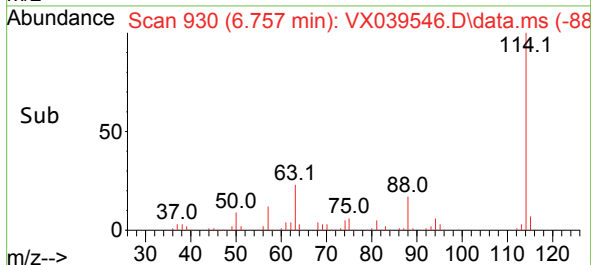
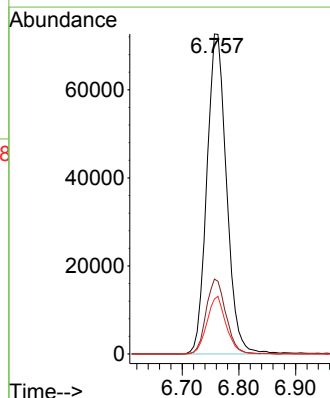
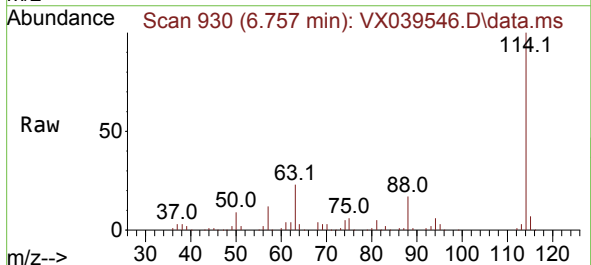
Tgt Ion:114 Resp: 175420

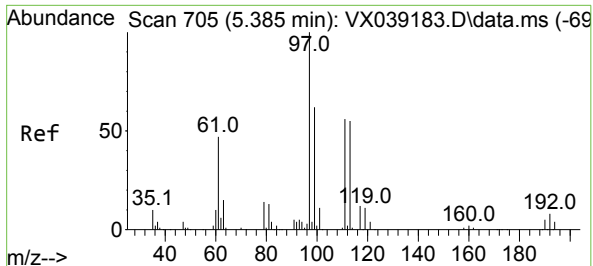
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

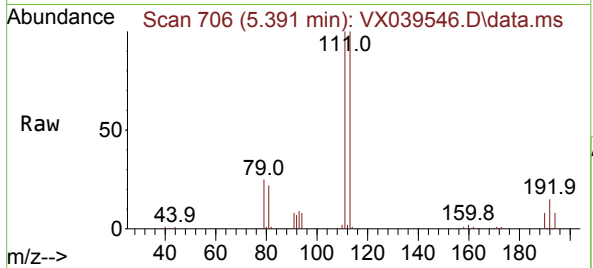
88 17.2 0.0 36.6





#35  
Dibromofluoromethane  
Concen: 47.367 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

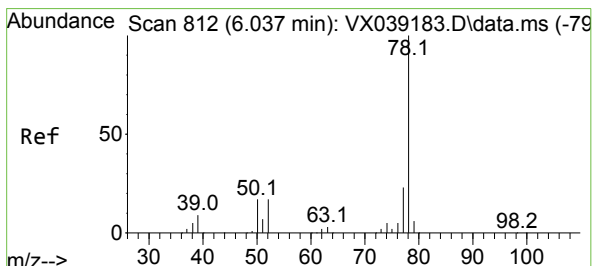
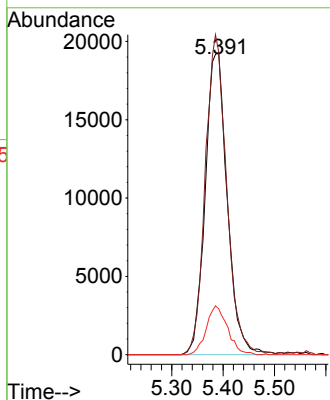
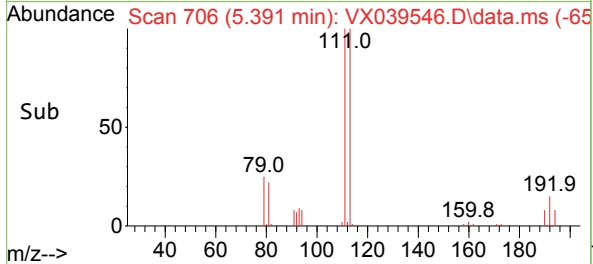
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion:113 Resp: 5740  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.9 124.3  
192 15.6 13.3 19.9

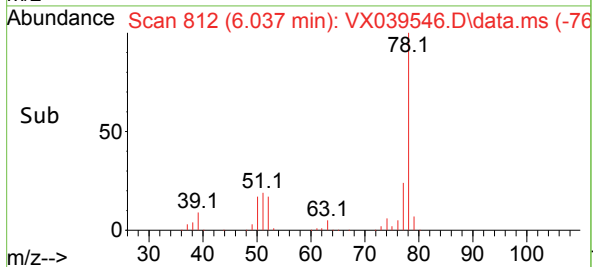
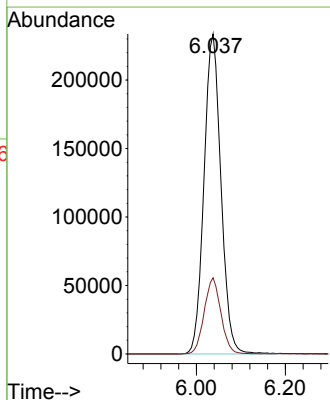
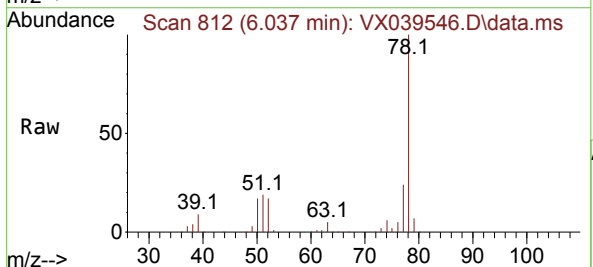
Manual Integrations  
APPROVED

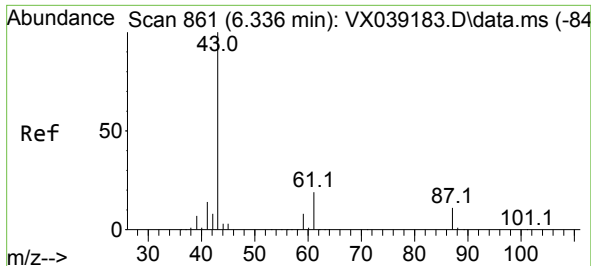
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#40  
Benzene  
Concen: 114.758 ug/l  
RT: 6.037 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

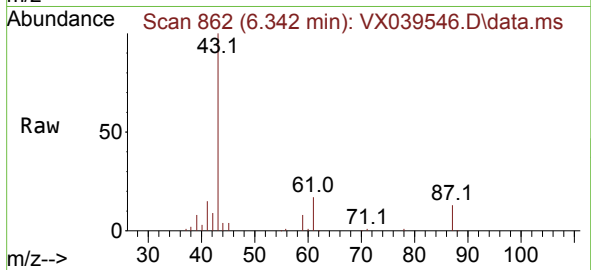
Tgt Ion: 78 Resp: 620806  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.3 28.9





#43  
Isopropyl Acetate  
Concen: 11.304 ug/l  
RT: 6.342 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

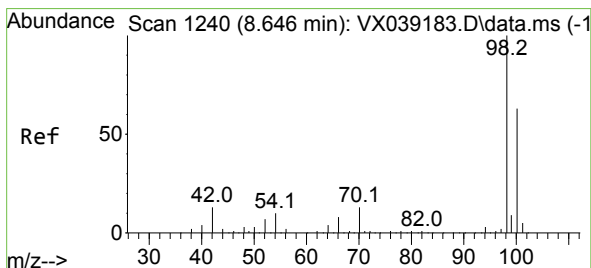
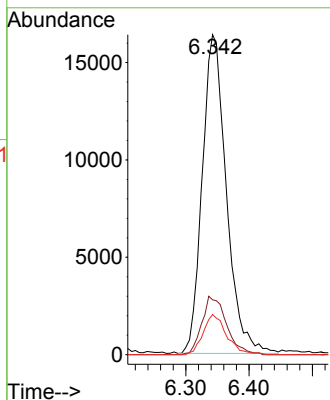
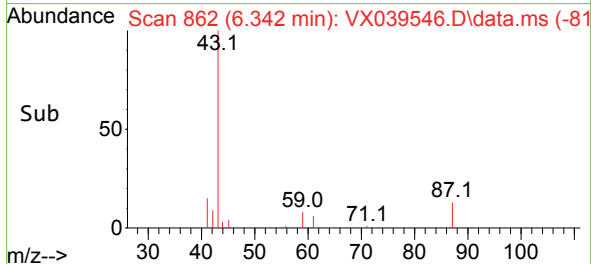
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion: 43 Resp: 4343  
Ion Ratio Lower Upper  
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61 18.6 15.2 22.8  
87 12.3 9.8 14.6

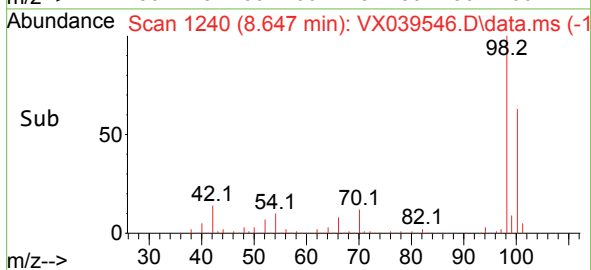
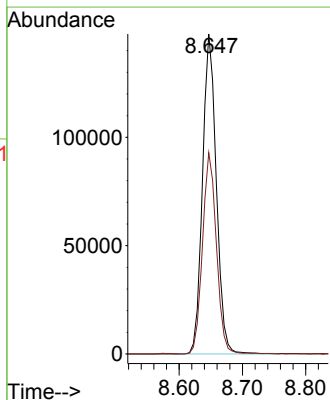
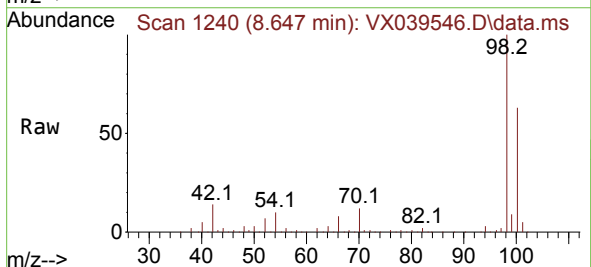
Manual Integrations  
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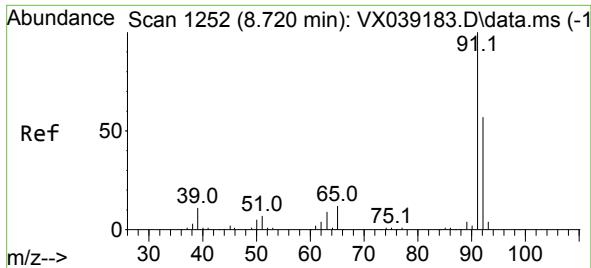
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#50  
Toluene-d8  
Concen: 49.970 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

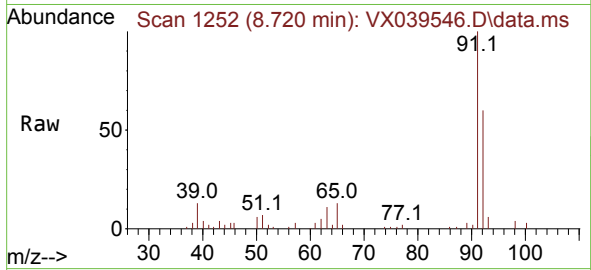
Tgt Ion: 98 Resp: 224823  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7





#52  
Toluene  
Concen: 3.185 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

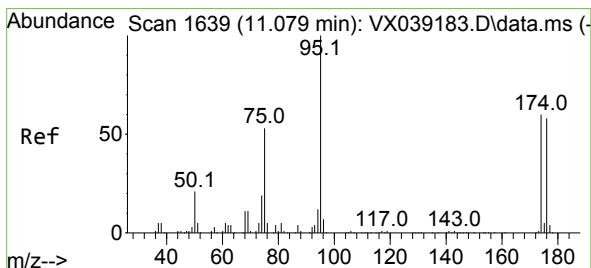
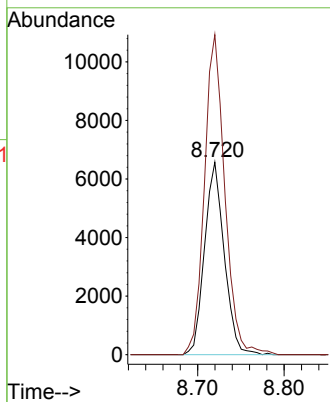
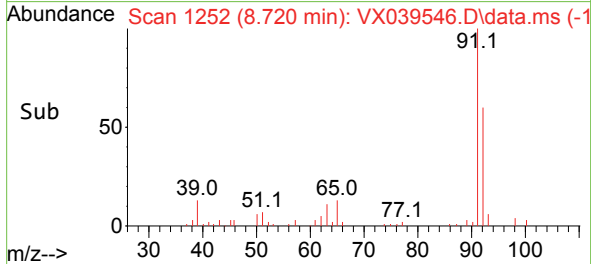
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion: 92 Resp: 10400  
Ion Ratio Lower Upper  
92 100  
91 172.0 134.2 201.2

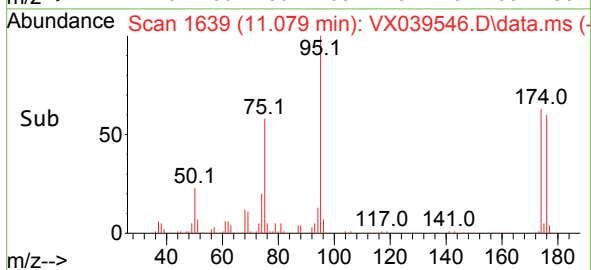
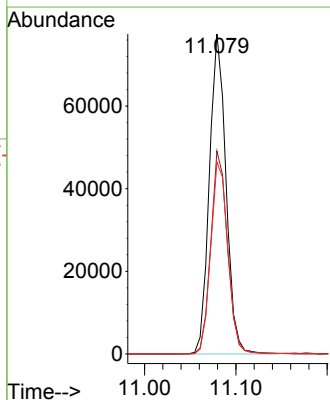
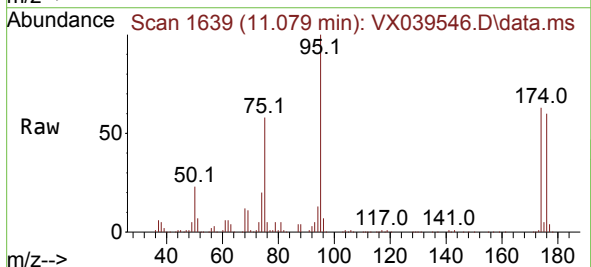
Manual Integrations  
APPROVED

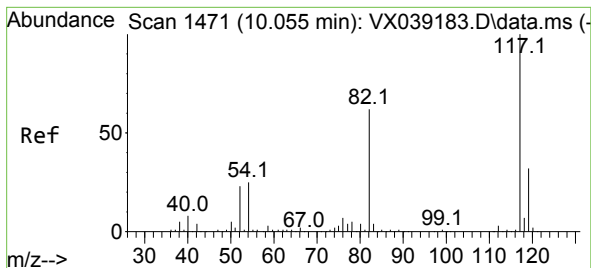
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#62  
4-Bromofluorobenzene  
Concen: 52.515 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

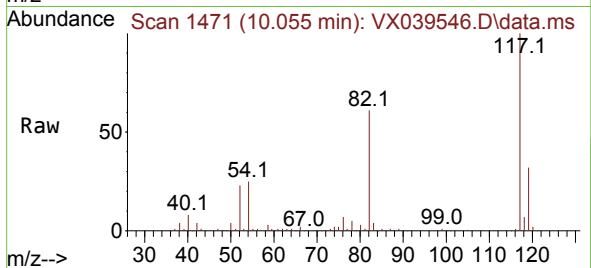
Tgt Ion: 95 Resp: 97486  
Ion Ratio Lower Upper  
95 100  
174 63.9 0.0 135.6  
176 62.1 0.0 131.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

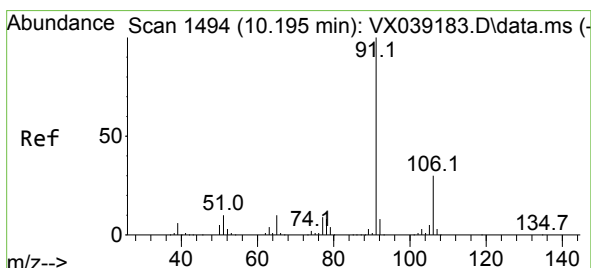
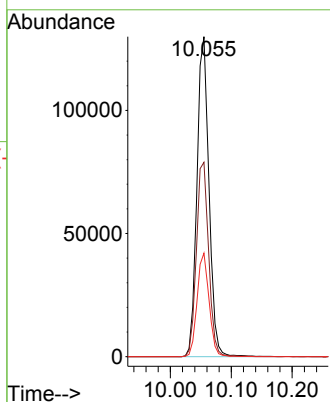
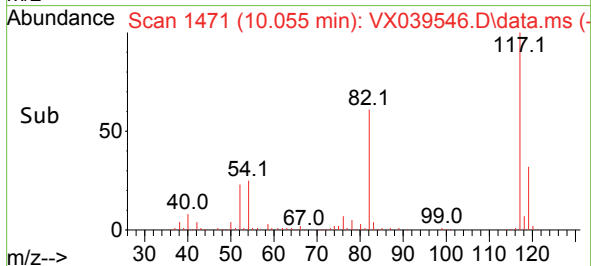
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion:117 Resp: 177574  
Ion Ratio Lower Upper  
117 100  
82 60.8 46.2 69.4  
119 32.3 25.5 38.3

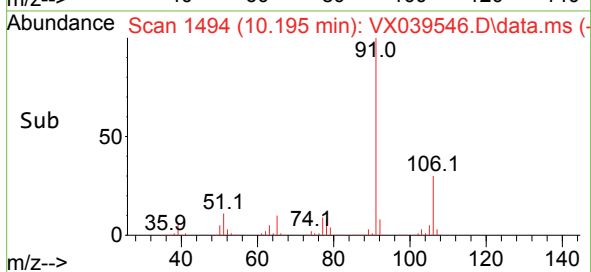
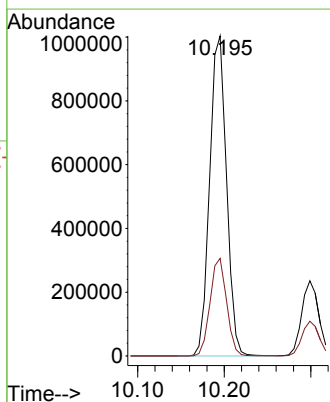
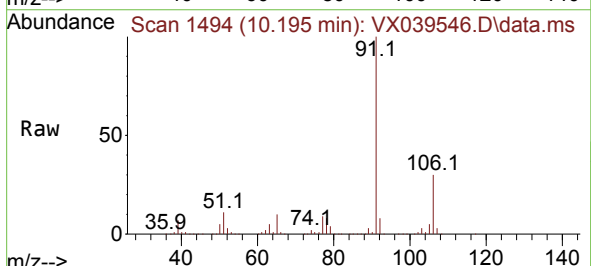
Manual Integrations  
APPROVED

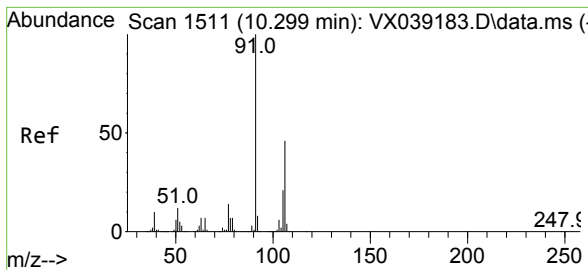
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#67  
Ethyl Benzene  
Concen: 188.011 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

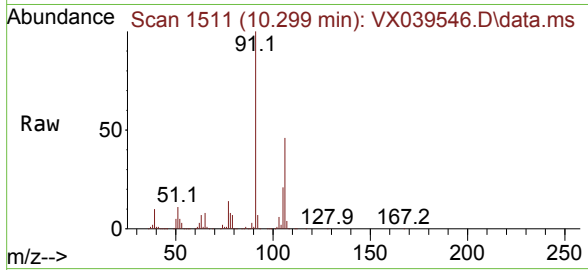
Tgt Ion: 91 Resp: 1356456  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.9 37.3





#68  
m/p-Xylenes  
Concen: 57.946 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

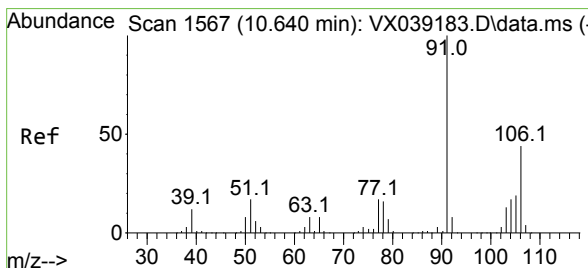
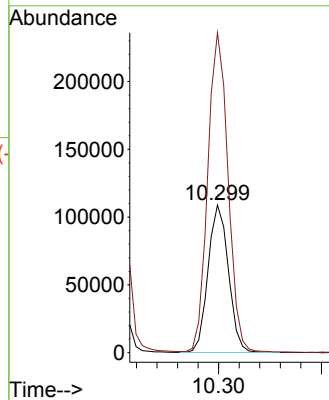
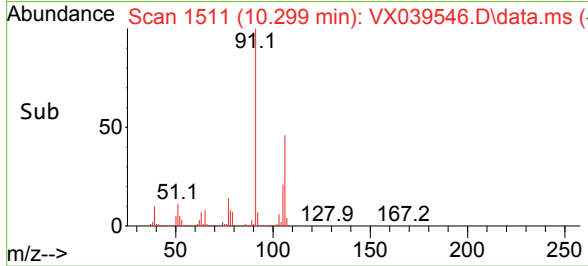
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion:106 Resp: 14989  
Ion Ratio Lower Upper  
106 100  
91 216.2 165.5 248.3

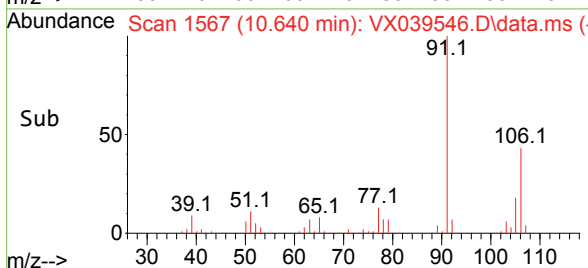
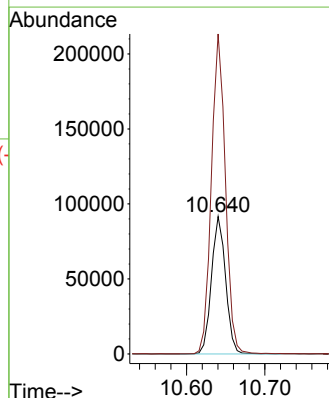
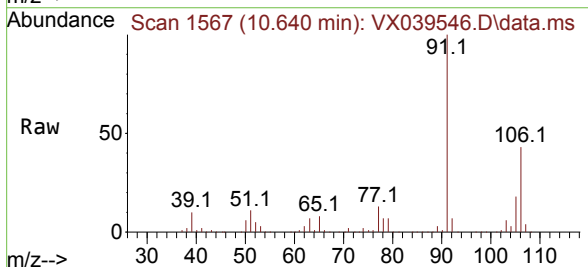
Manual Integrations  
APPROVED

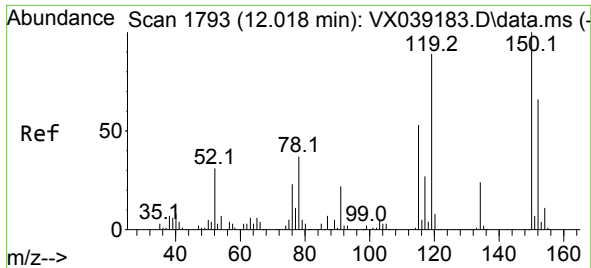
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024



#69  
o-Xylene  
Concen: 45.821 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

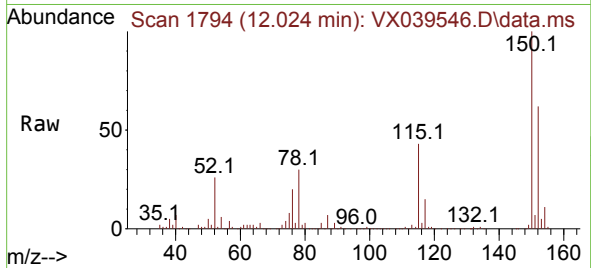
Tgt Ion:106 Resp: 114604  
Ion Ratio Lower Upper  
106 100  
91 230.0 108.9 326.8





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

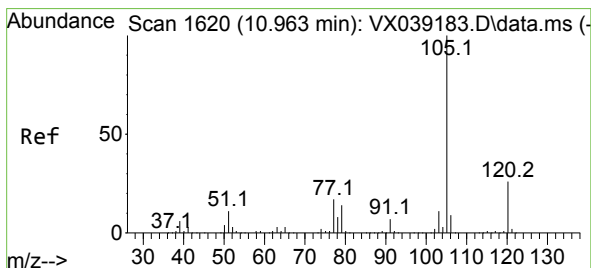
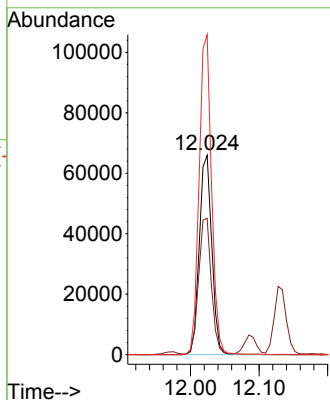
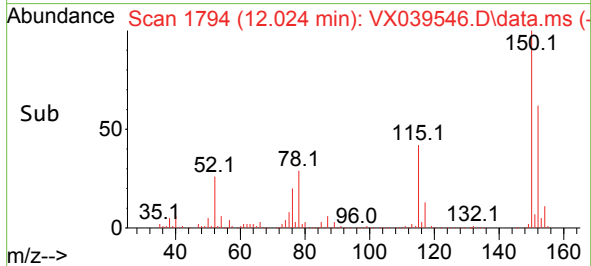
Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



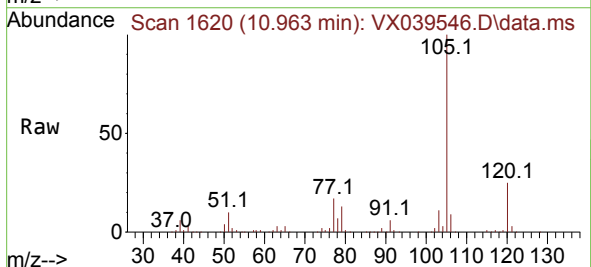
Tgt Ion:152 Resp: 83944  
Ion Ratio Lower Upper  
152 100  
115 68.7 43.3 129.9  
150 159.7 0.0 345.0

Manual Integrations  
APPROVED

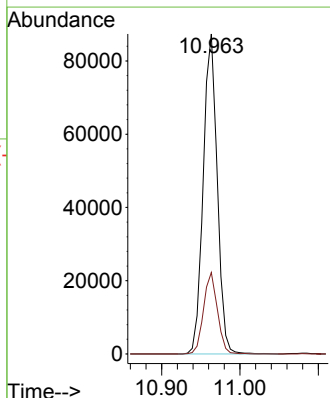
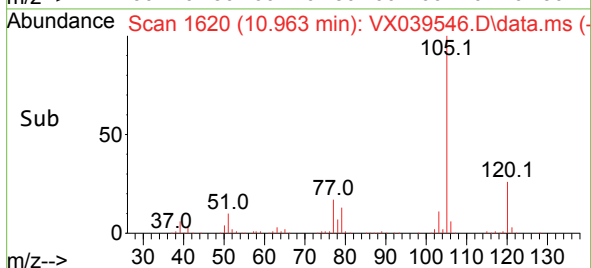
Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024

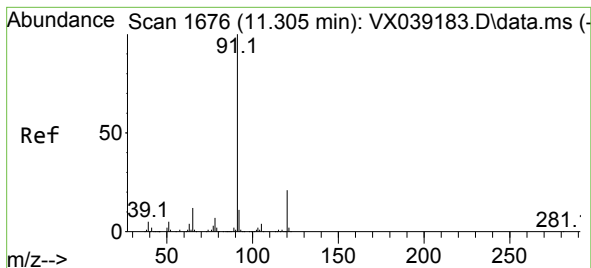


#73  
Isopropylbenzene  
Concen: 16.712 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31



Tgt Ion:105 Resp: 108239  
Ion Ratio Lower Upper  
105 100  
120 25.2 12.9 38.6





#78

n-propylbenzene

Concen: 3.979 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039546.D

Acq: 29 Dec 2023 15:31

Instrument :

MSVOA\_X

ClientSampleId :

T-803

Tgt Ion: 91 Resp: 3175

Ion Ratio Lower Upper

91 100

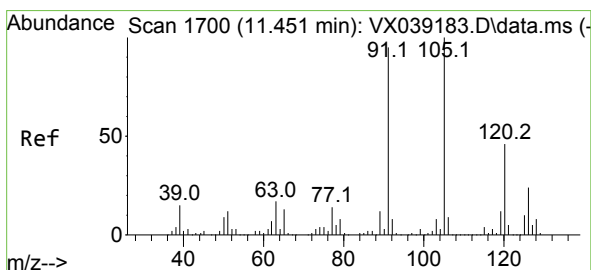
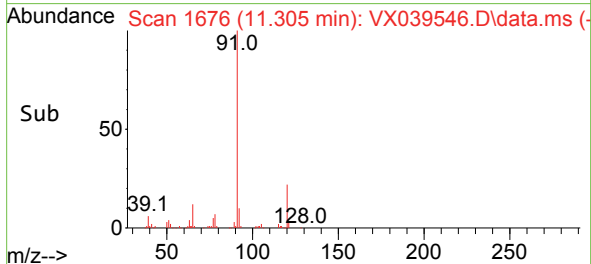
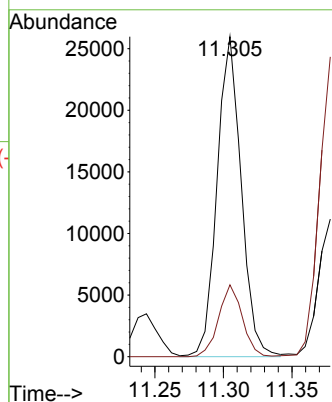
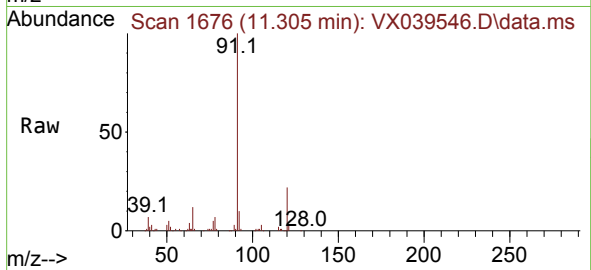
120 22.0 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024

Supervised By :Mahesh Dadoda 01/01/2024



#80

1,3,5-Trimethylbenzene

Concen: 11.573 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039546.D

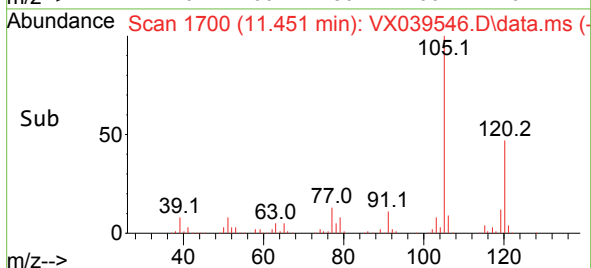
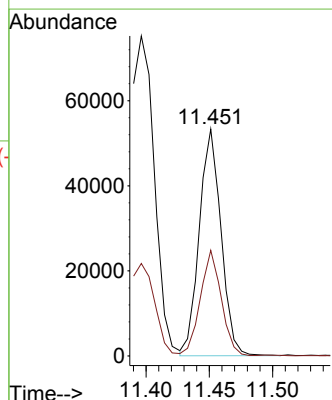
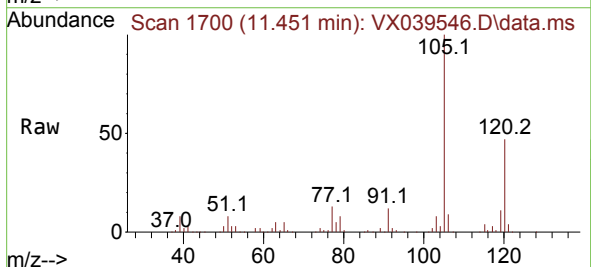
Acq: 29 Dec 2023 15:31

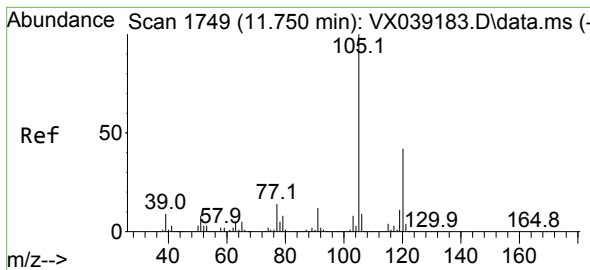
Tgt Ion:105 Resp: 63855

Ion Ratio Lower Upper

105 100

120 44.5 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 55.530 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039546.D

Acq: 29 Dec 2023 15:31

Instrument :

MSVOA\_X

ClientSampleId :

T-803

Tgt Ion:105 Resp: 31419

Ion Ratio Lower Upper

105 100

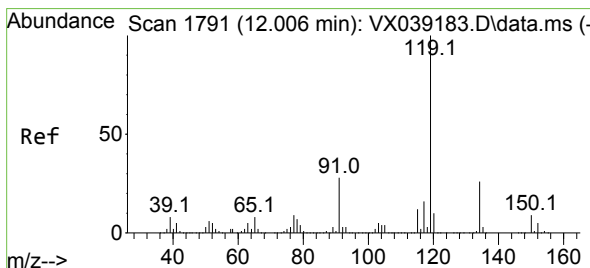
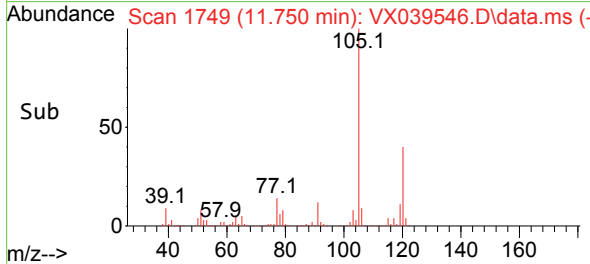
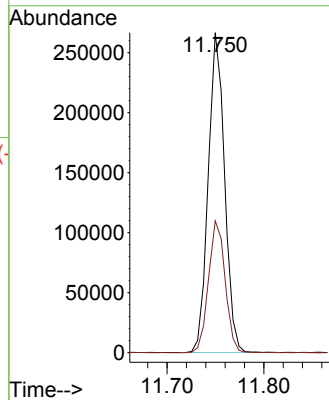
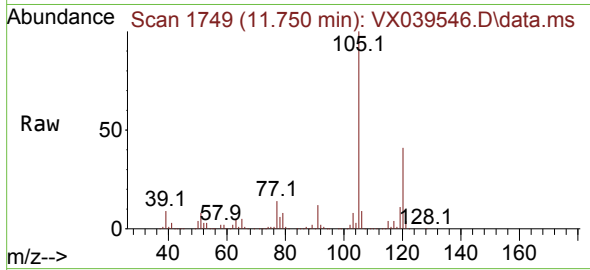
120 42.0 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024

Supervised By :Mahesh Dadoda 01/01/2024



#86

p-Isopropyltoluene

Concen: 1.579 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX039546.D

Acq: 29 Dec 2023 15:31

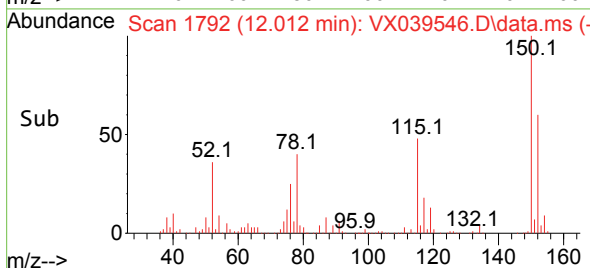
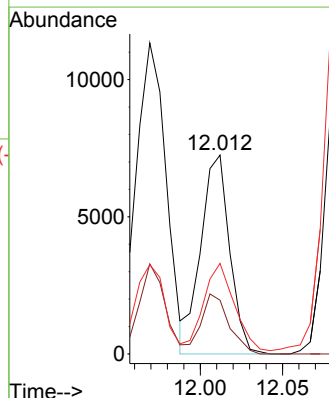
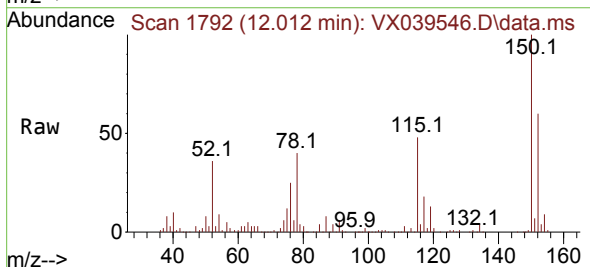
Tgt Ion:119 Resp: 8856

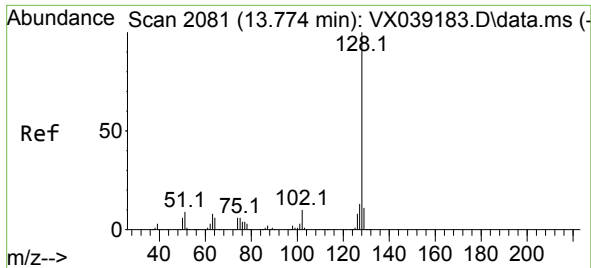
Ion Ratio Lower Upper

119 100

134 29.3 12.8 38.3

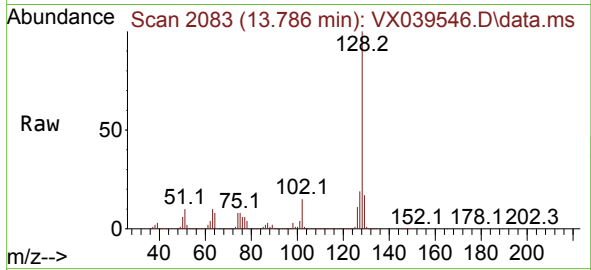
91 0.0 13.1 39.3#





#95  
Naphthalene  
Concen: 1951.220 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.012 min  
Lab File: VX039546.D  
Acq: 29 Dec 2023 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
T-803



Tgt Ion:128 Resp:1197901  
Ion Ratio Lower Upper  
128 100  
127 16.8 10.3 15.5  
129 14.5 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024  
Supervised By :Mahesh Dadoda 01/01/2024

