

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX043024\  
 Data File : VX041310.D  
 Acq On : 30 Apr 2024 19:21  
 Operator : JC/MD  
 Sample : P2284-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/01/2024  
 Supervised By : Semsettin Yesilyurt 05/01/2024

Quant Time: May 01 02:50:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 177856     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 260601     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 245374     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 131070     | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 96255      | 49.713   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 99.420%  |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 79475      | 45.002   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 90.000%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 303856     | 54.361   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 108.720% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 102546     | 47.392   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 94.780%  |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        | Qvalue   |
| 16) Acetone                 | 2.392          | 43   | 7849       | 5.378    | ug/l   | 91       |
| 25) 2-Butanone              | 4.605          | 43   | 4206m      | 3.356    | ug/l   |          |
| 31) Cyclohexane             | 5.464          | 56   | 1486       | 0.636    | ug/l   | 89       |
| 39) Methylcyclohexane       | 7.373          | 83   | 11980      | 4.829    | ug/l   | 96       |
| 40) Benzene                 | 6.044          | 78   | 2246       | 0.345    | ug/l   | 97       |
| 52) Toluene                 | 8.720          | 92   | 1775       | 0.446    | ug/l   | 99       |
| 67) Ethyl Benzene           | 10.195         | 91   | 130079     | 15.828   | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.299         | 106  | 216575     | 65.808   | ug/l   | 93       |
| 69) o-Xylene                | 10.640         | 106  | 46028      | 14.607   | ug/l   | 94       |
| 73) Isopropylbenzene        | 10.963         | 105  | 93333      | 11.666   | ug/l   | 97       |
| 78) n-propylbenzene         | 11.305         | 91   | 174985     | 20.824   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 293573     | 45.011   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 1008944    | 153.741  | ug/l   | 91       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 108713     | 13.582   | ug/l   | 87       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 76410      | 10.629   | ug/l   | 96       |
| 89) n-Butylbenzene          | 12.329         | 91   | 136524     | 23.619   | ug/l # | 23       |
| -----                       |                |      |            |          |        |          |

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

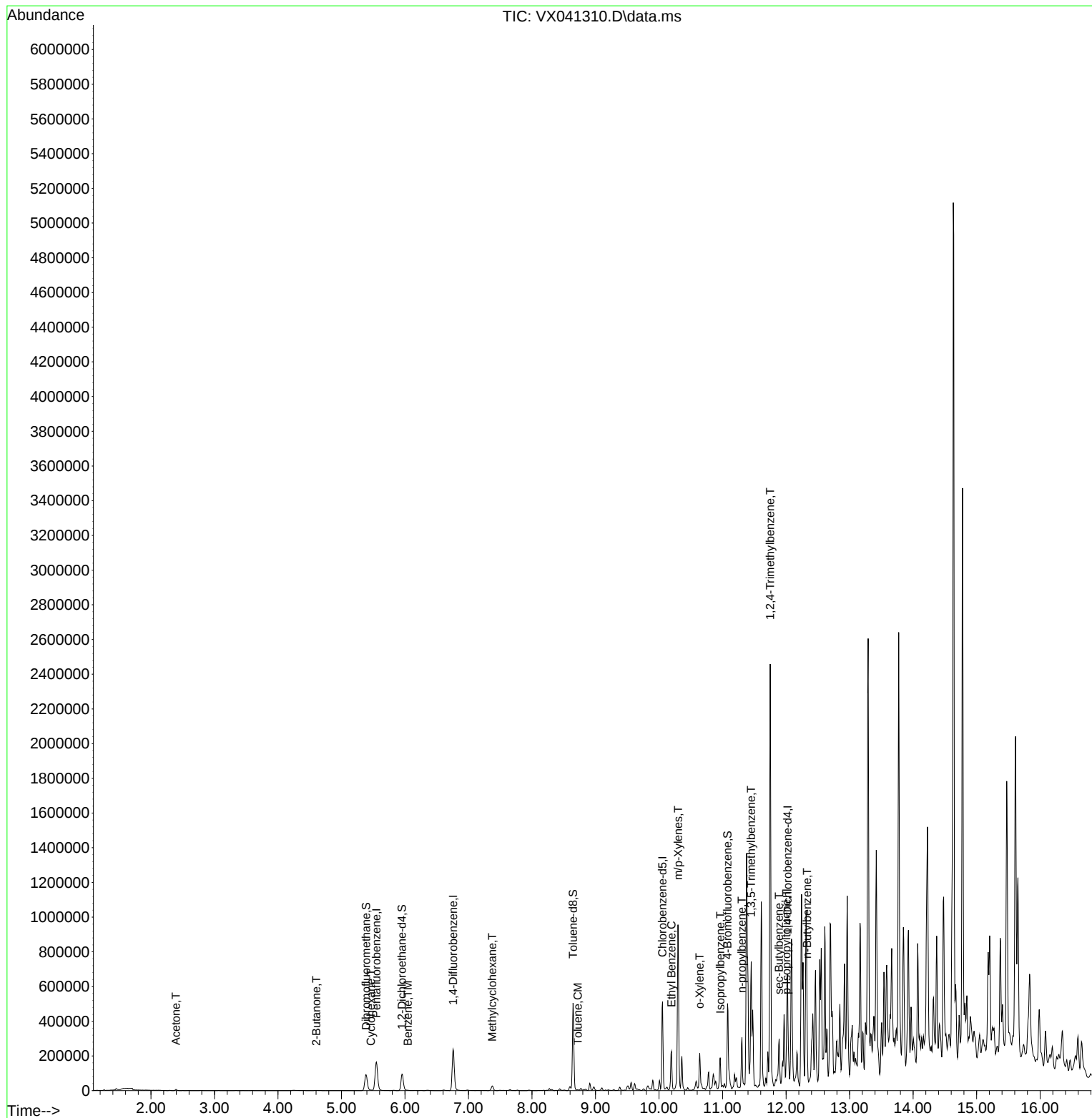
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX043024\  
Data File : VX041310.D  
Acq On : 30 Apr 2024 19:21  
Operator : JC/MD  
Sample : P2284-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

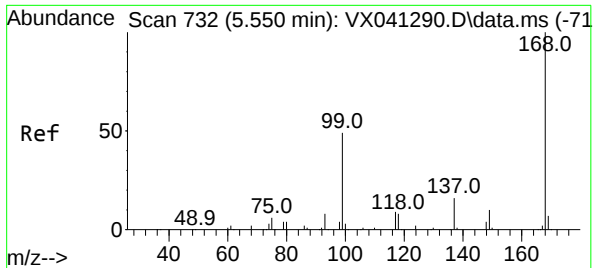
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1

Quant Time: May 01 02:50:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

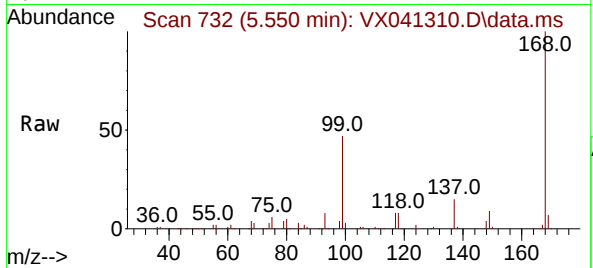
Reviewed By : John Carlone 05/01/2024  
Supervised By : Semsettin Yesilyurt 05/01/2024





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

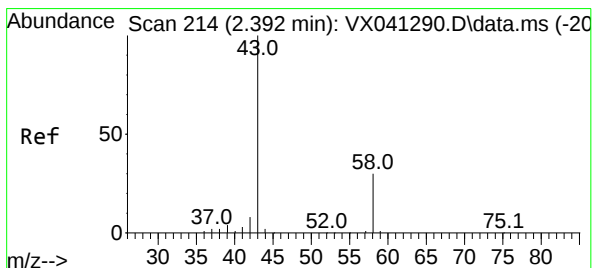
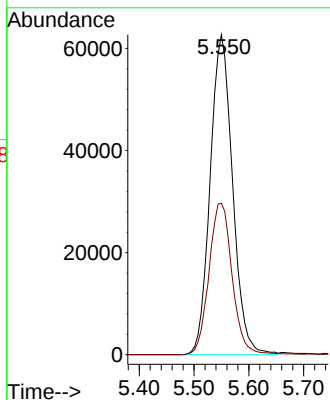
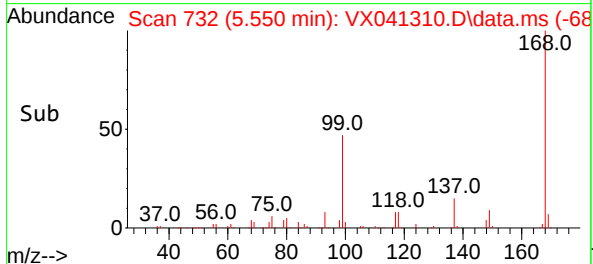
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion:168 Resp: 177850  
Ion Ratio Lower Upper  
168 100  
99 47.3 56.6 85.0

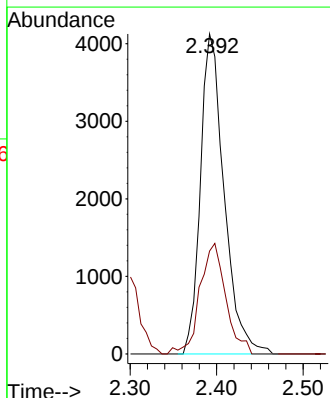
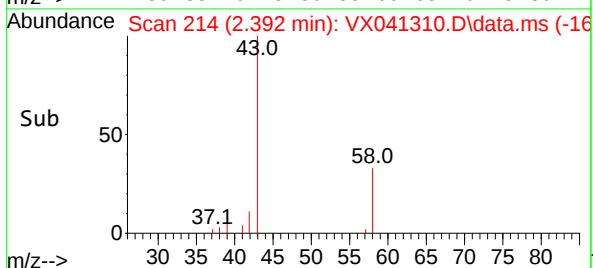
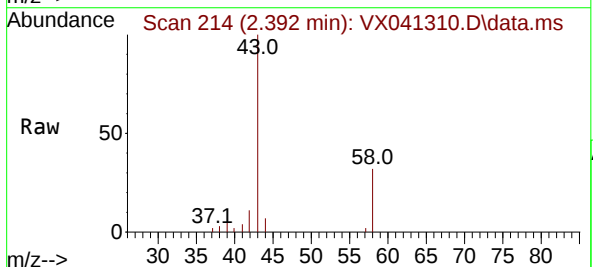
Manual Integrations  
APPROVED

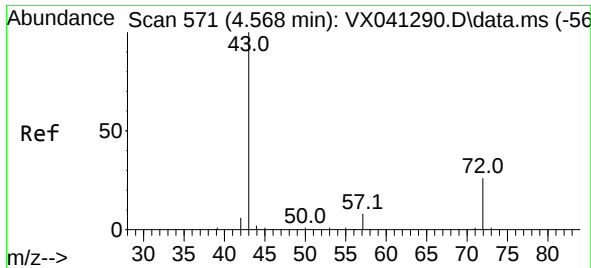
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#16  
Acetone  
Concen: 5.378 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

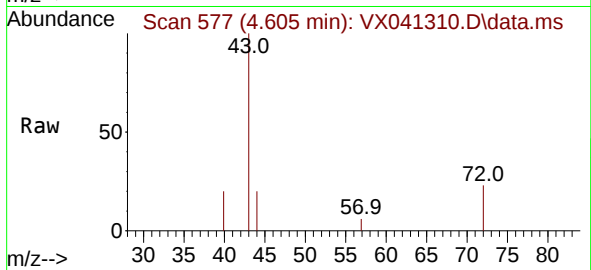
Tgt Ion: 43 Resp: 7849  
Ion Ratio Lower Upper  
43 100  
58 32.1 21.9 32.9





#25  
2-Butanone  
Concen: 3.356 ug/l m  
RT: 4.605 min Scan# 51  
Delta R.T. 0.037 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

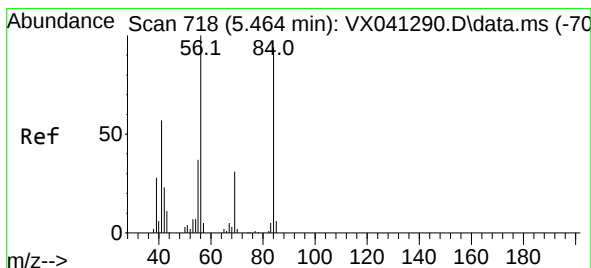
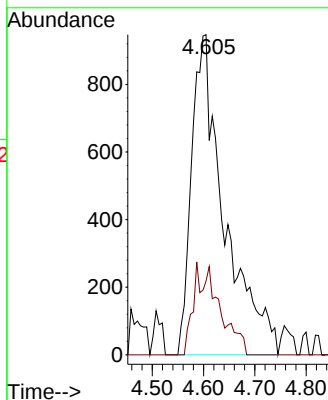
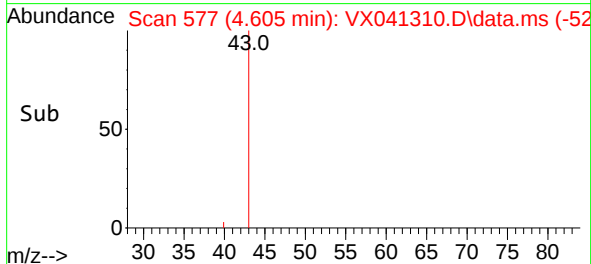
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion: 43 Resp: 4200  
Ion Ratio Lower Upper  
43 100  
72 23.0 19.4 29.2

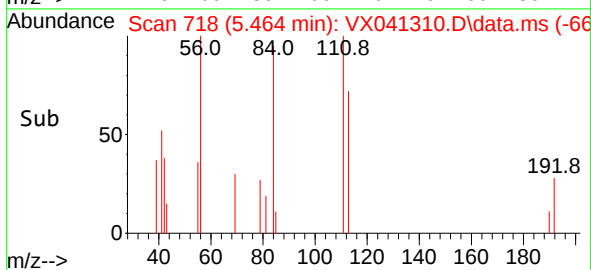
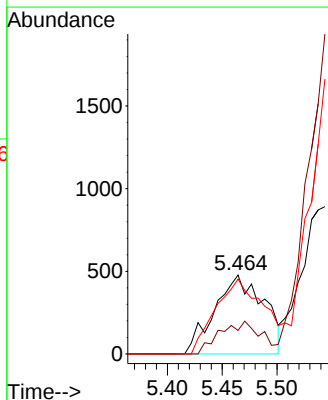
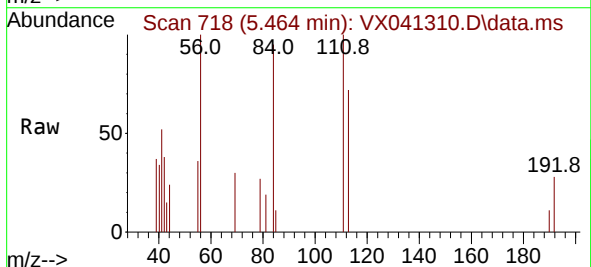
Manual Integrations  
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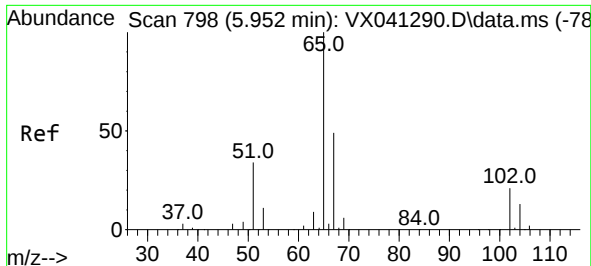
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#31  
Cyclohexane  
Concen: 0.636 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

Tgt Ion: 56 Resp: 1486  
Ion Ratio Lower Upper  
56 100  
69 29.8 23.4 35.2  
84 95.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.713 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041310.D

Acq: 30 Apr 2024 19:21

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

Tgt Ion: 65 Resp: 9625

Ion Ratio Lower Upper

65 100

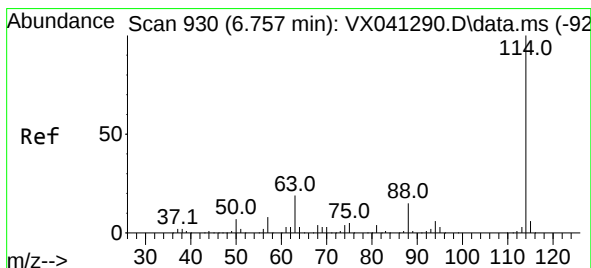
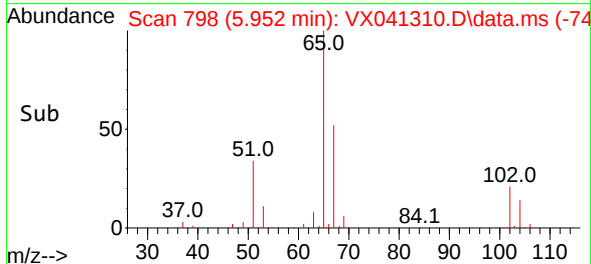
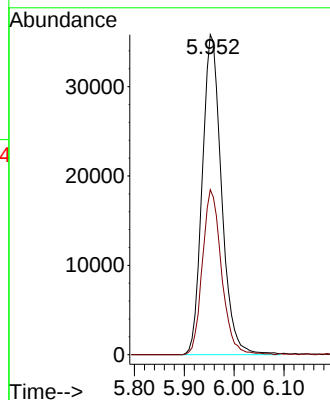
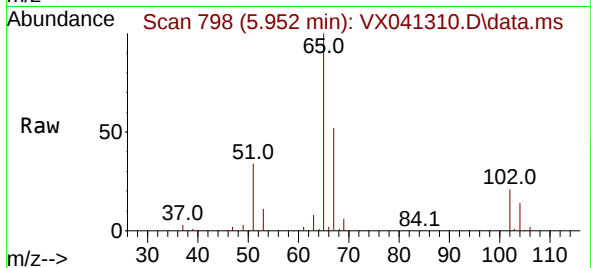
67 51.0 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/01/2024

Supervised By :Semsettin Yesilyurt 05/01/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041310.D

Acq: 30 Apr 2024 19:21

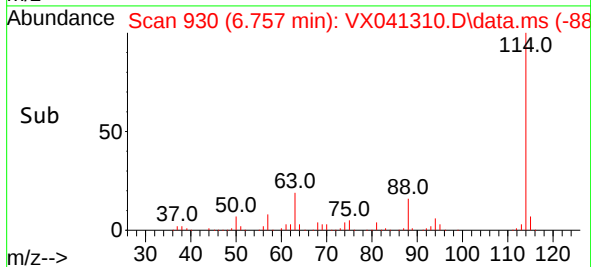
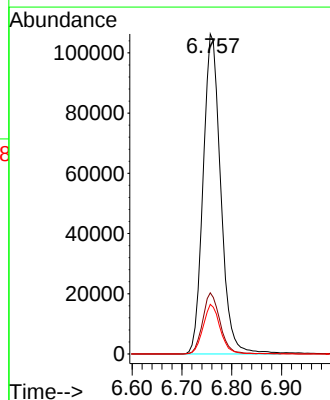
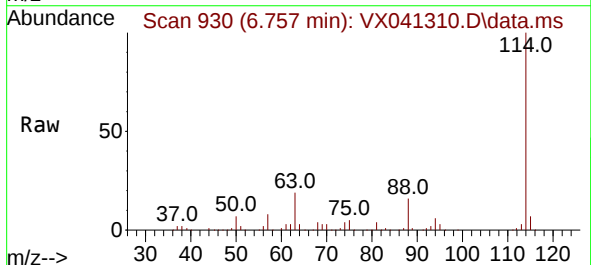
Tgt Ion:114 Resp: 260601

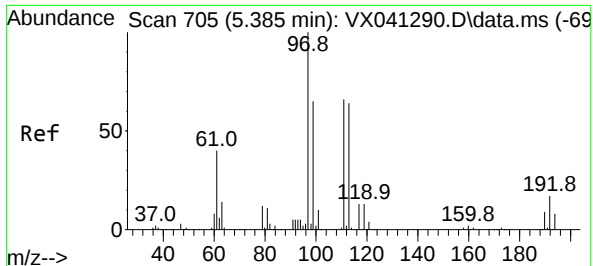
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

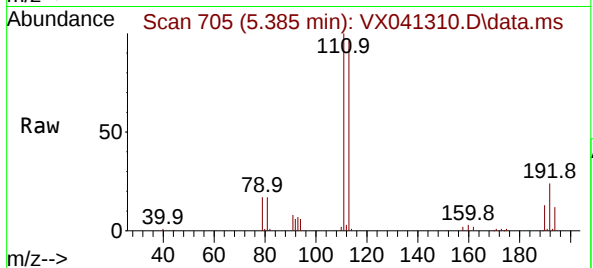
88 15.5 0.0 36.6





#35  
Dibromofluoromethane  
Concen: 45.002 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

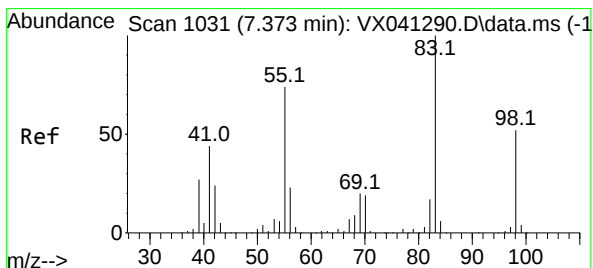
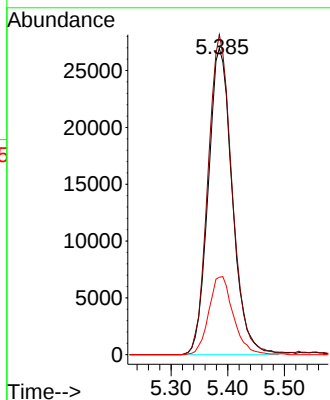
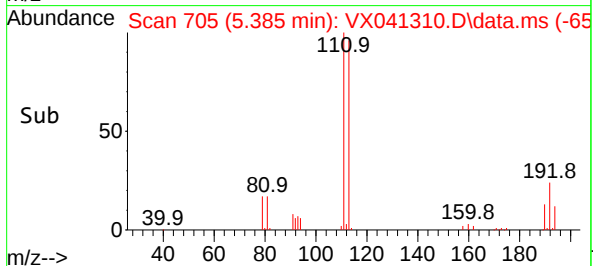
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



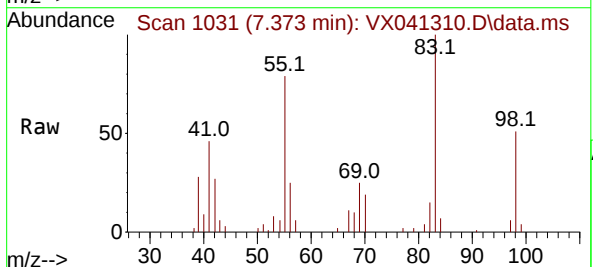
Tgt Ion: 113 Resp: 7947  
Ion Ratio Lower Upper  
113 100  
111 104.6 82.9 124.3  
192 25.8 13.3 19.9

Manual Integrations  
APPROVED

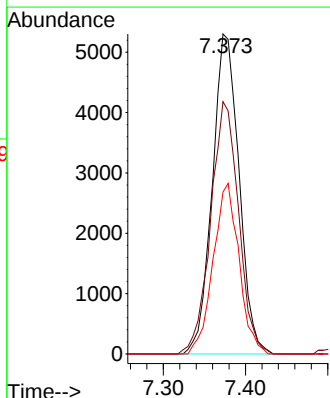
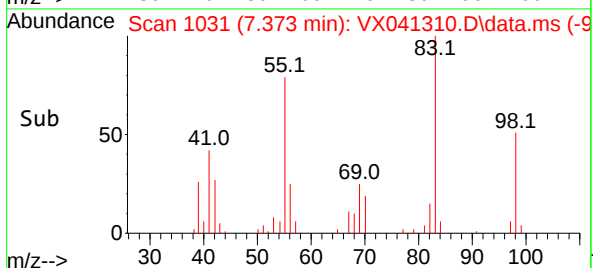
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024

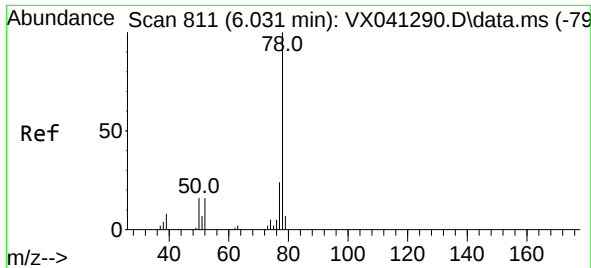


#39  
Methylcyclohexane  
Concen: 4.829 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21



Tgt Ion: 83 Resp: 11980  
Ion Ratio Lower Upper  
83 100  
55 78.8 64.6 97.0  
98 50.6 36.7 55.1





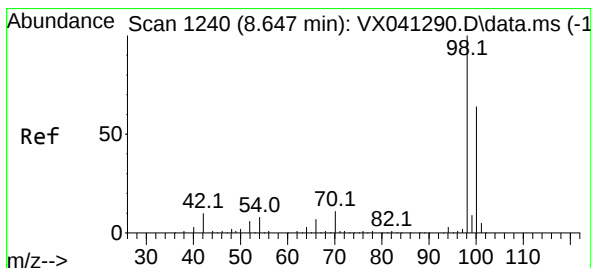
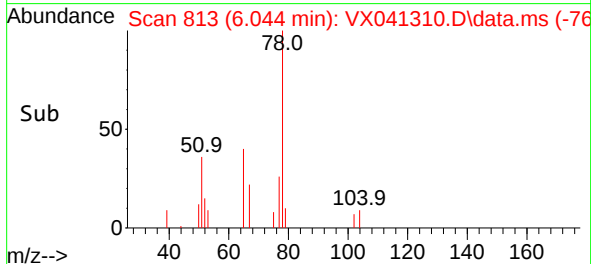
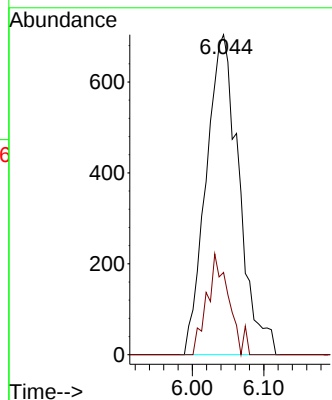
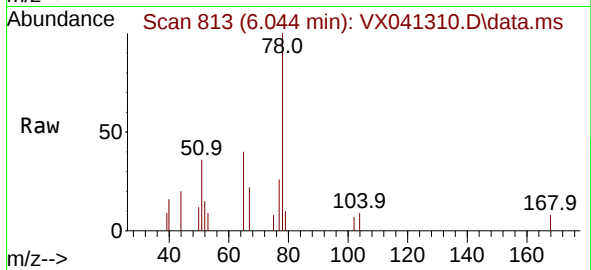
#40  
Benzene  
Concen: 0.345 ug/l  
RT: 6.044 min Scan# 811  
Delta R.T. 0.012 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1

Tgt Ion: 78 Resp: 2240  
Ion Ratio Lower Upper  
78 100  
77 25.7 19.3 28.9

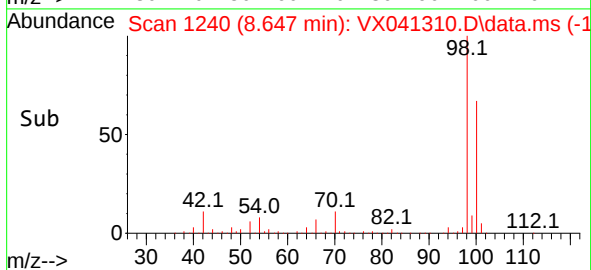
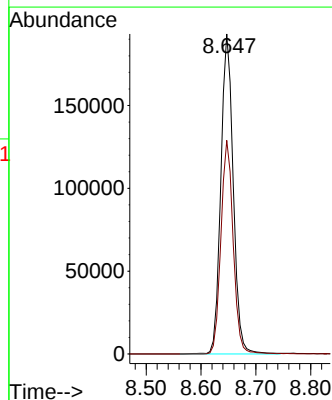
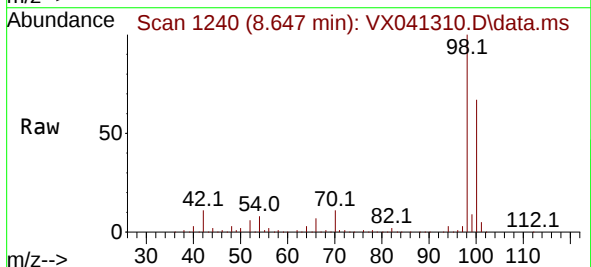
Manual Integrations  
APPROVED

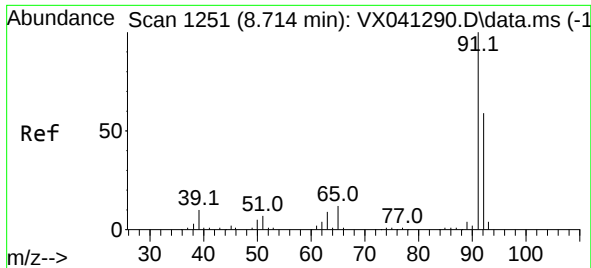
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#50  
Toluene-d8  
Concen: 54.361 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

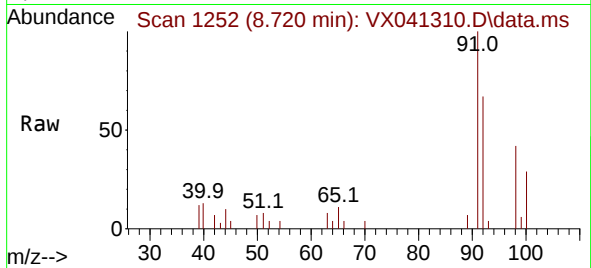
Tgt Ion: 98 Resp: 303856  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.1 79.7





#52  
Toluene  
Concen: 0.446 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

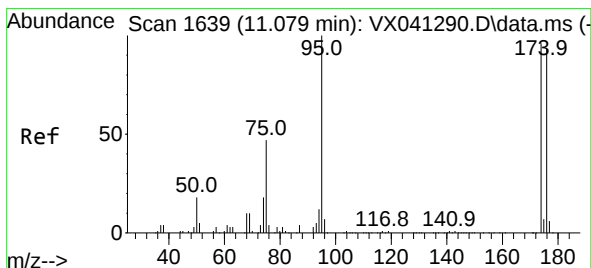
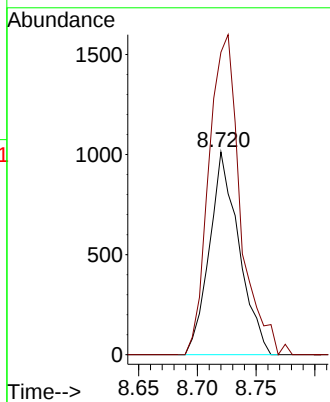
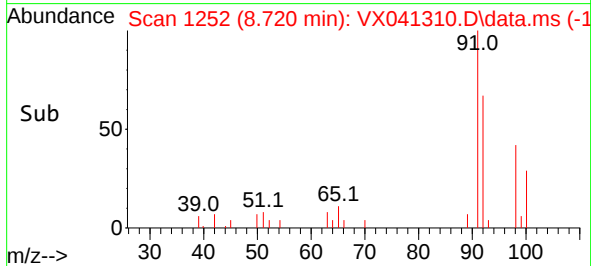
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



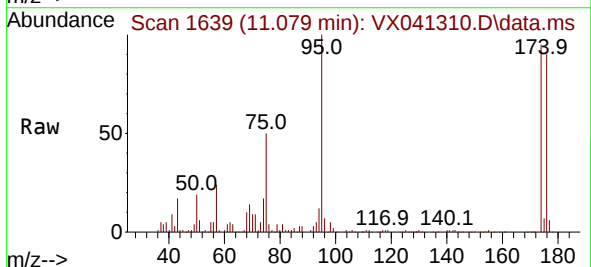
Tgt Ion: 92 Resp: 1779  
Ion Ratio Lower Upper  
92 100  
91 168.5 134.2 201.2

Manual Integrations  
APPROVED

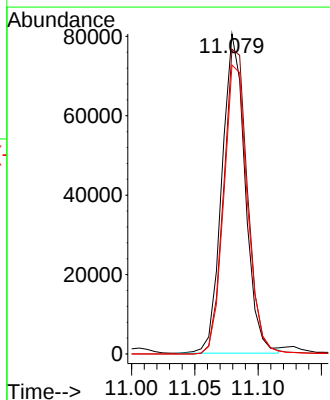
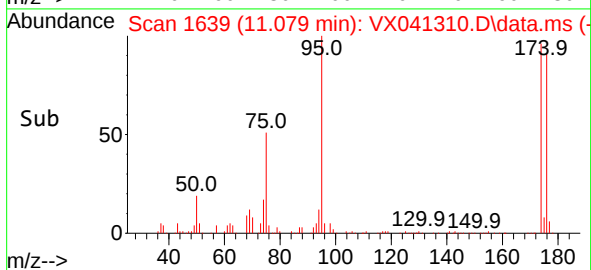
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024

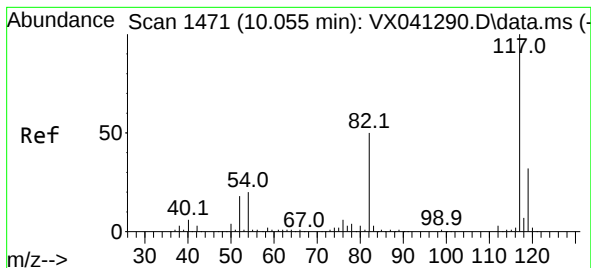


#62  
4-Bromofluorobenzene  
Concen: 47.392 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21



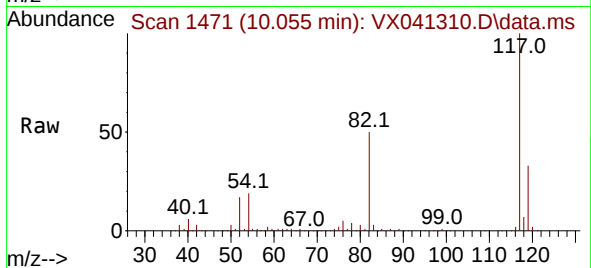
Tgt Ion: 95 Resp: 102546  
Ion Ratio Lower Upper  
95 100  
174 98.9 0.0 135.6  
176 93.4 0.0 131.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

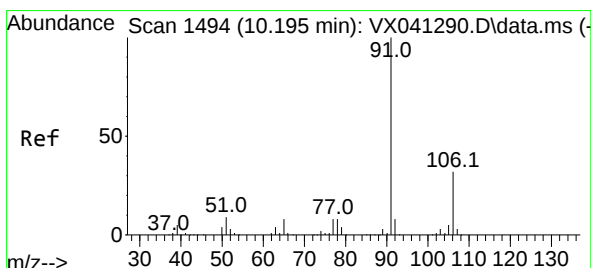
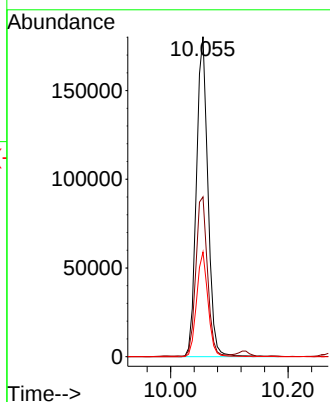
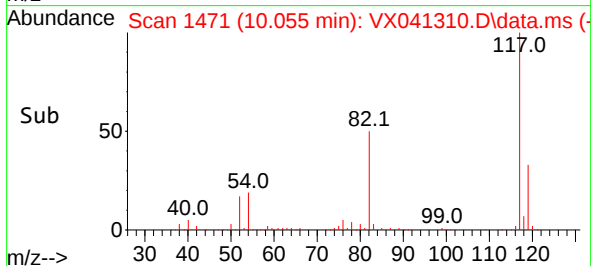
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion:117 Resp: 245374  
Ion Ratio Lower Upper  
117 100  
82 49.7 46.2 69.4  
119 32.7 25.5 38.3

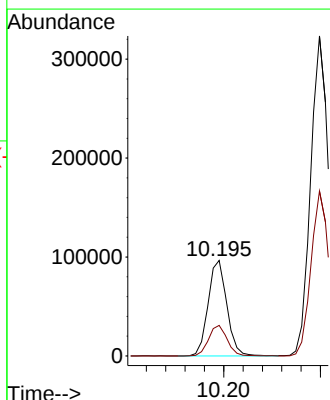
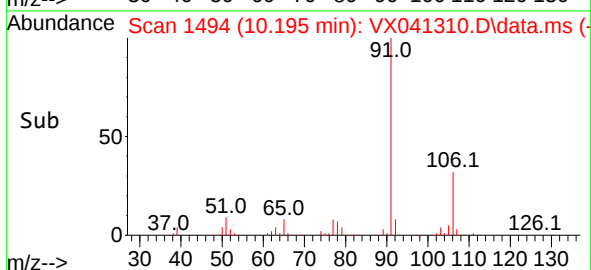
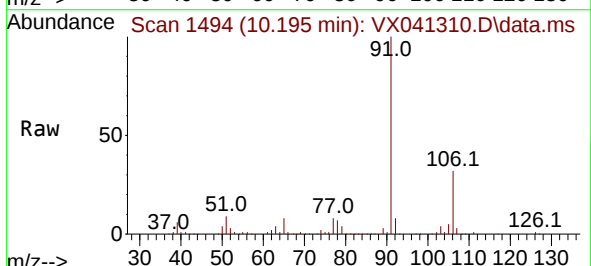
Manual Integrations  
APPROVED

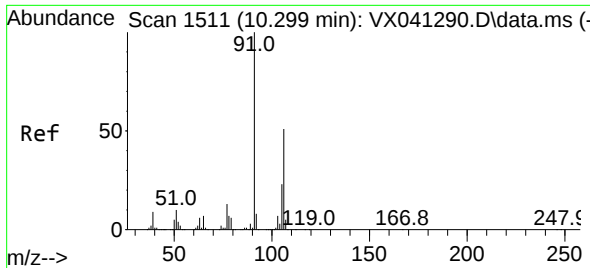
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#67  
Ethyl Benzene  
Concen: 15.828 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

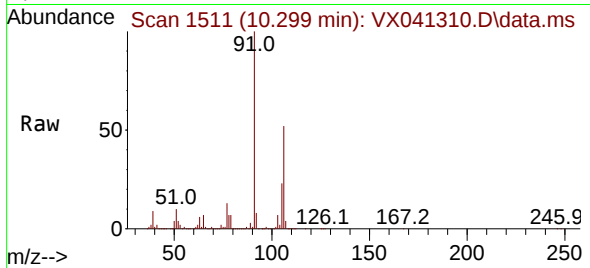
Tgt Ion: 91 Resp: 130079  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.9 37.3





#68  
m/p-Xylenes  
Concen: 65.808 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

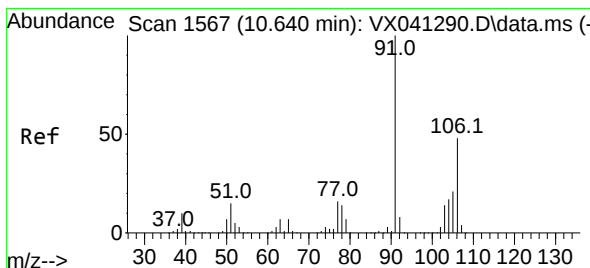
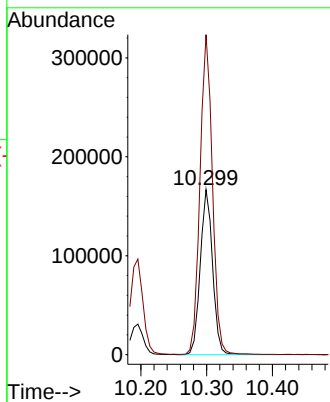
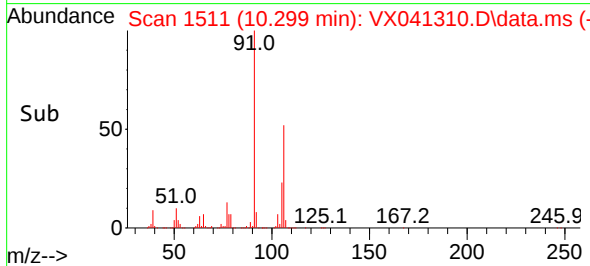
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion:106 Resp: 216579  
Ion Ratio Lower Upper  
106 100  
91 196.2 165.5 248.3

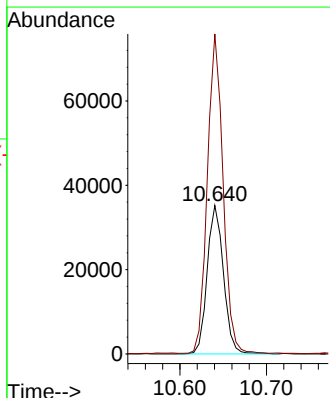
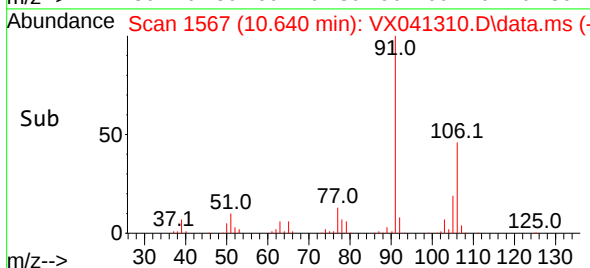
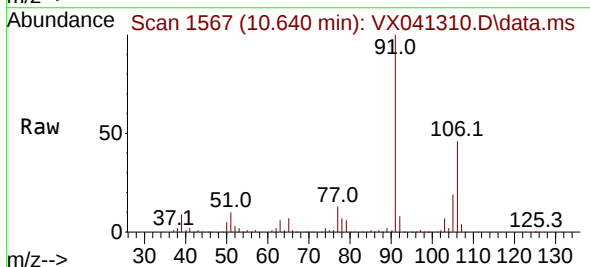
Manual Integrations  
APPROVED

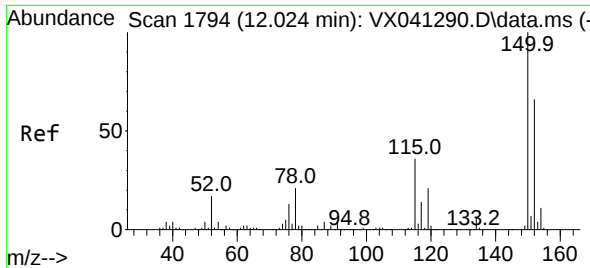
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#69  
o-Xylene  
Concen: 14.607 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

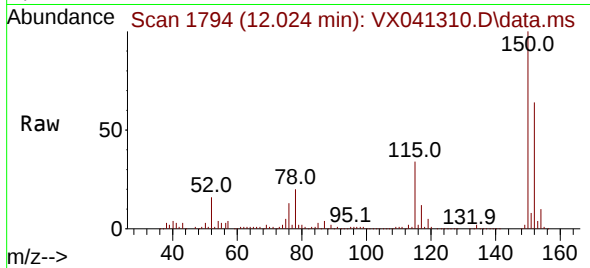
Tgt Ion:106 Resp: 46028  
Ion Ratio Lower Upper  
106 100  
91 208.2 108.9 326.8





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

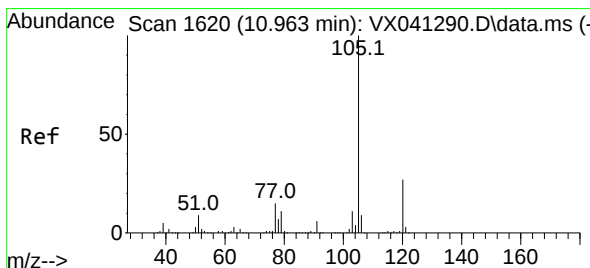
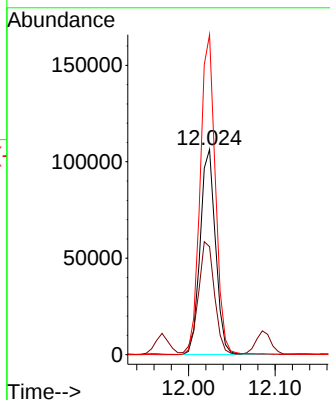
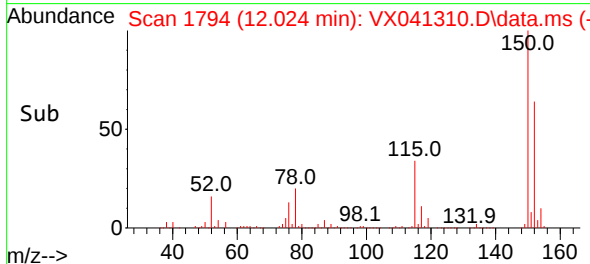
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion:152 Resp: 131070  
Ion Ratio Lower Upper  
152 100  
115 58.1 43.3 129.9  
150 154.8 0.0 345.0

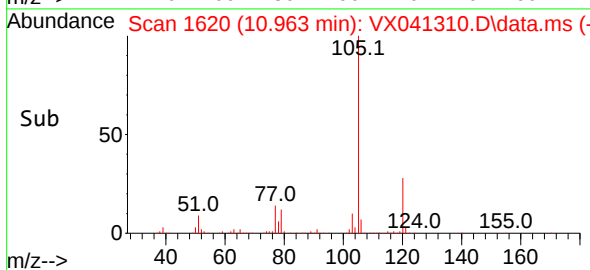
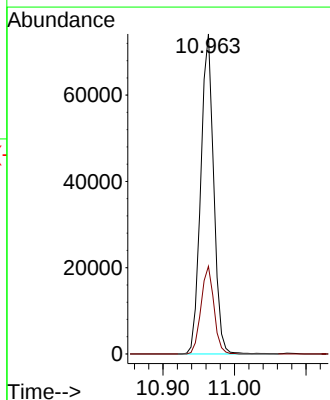
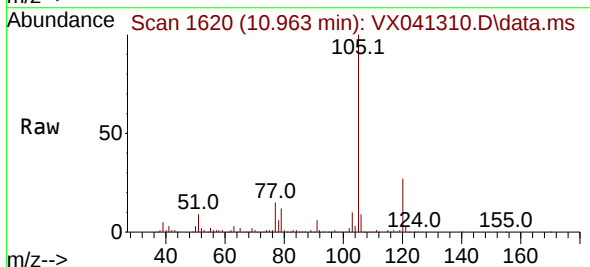
Manual Integrations  
APPROVED

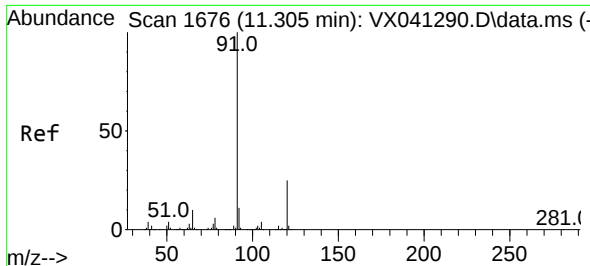
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#73  
Isopropylbenzene  
Concen: 11.666 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

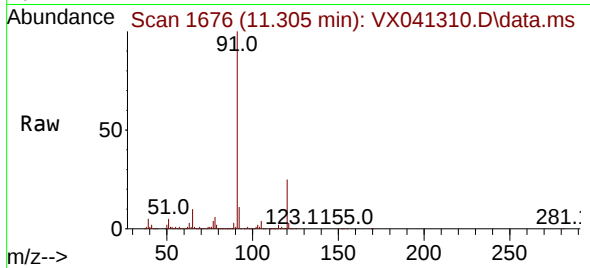
Tgt Ion:105 Resp: 93333  
Ion Ratio Lower Upper  
105 100  
120 27.2 12.9 38.6





#78  
n-propylbenzene  
Concen: 20.824 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

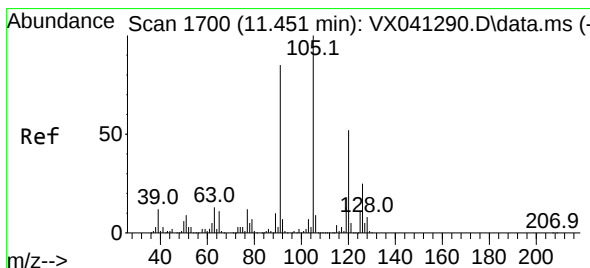
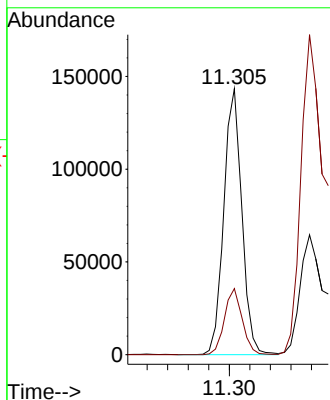
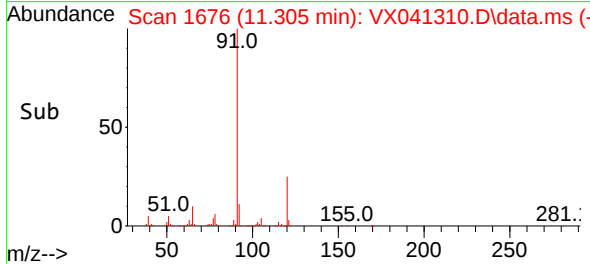
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1



Tgt Ion: 91 Resp: 17498  
Ion Ratio Lower Upper  
91 100  
120 24.4 11.5 34.4

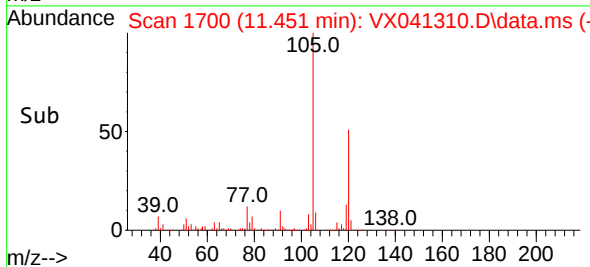
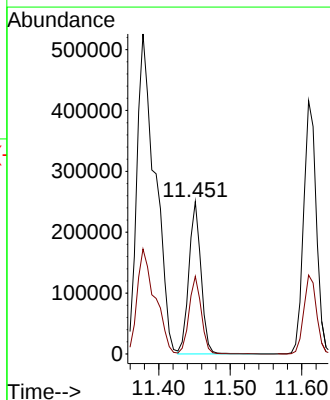
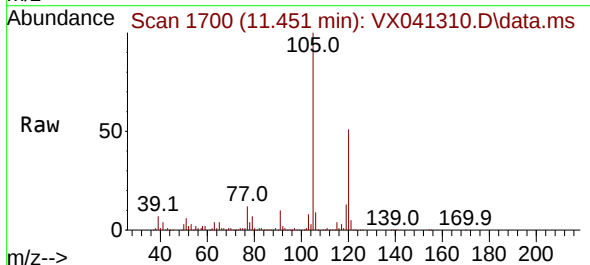
Manual Integrations  
APPROVED

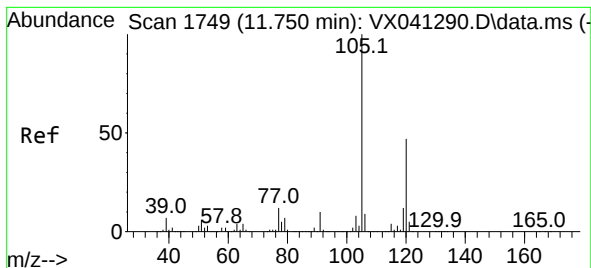
Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#80  
1,3,5-Trimethylbenzene  
Concen: 45.011 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

Tgt Ion:105 Resp: 293573  
Ion Ratio Lower Upper  
105 100  
120 51.0 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 153.741 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041310.D

Acq: 30 Apr 2024 19:21

Instrument :

MSVOA\_X

ClientSampleId :

MW-1

Tgt Ion:105 Resp: 100894

Ion Ratio Lower Upper

105 100

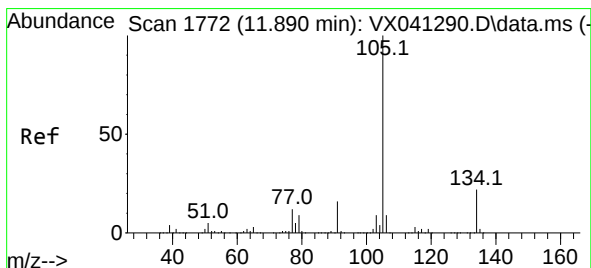
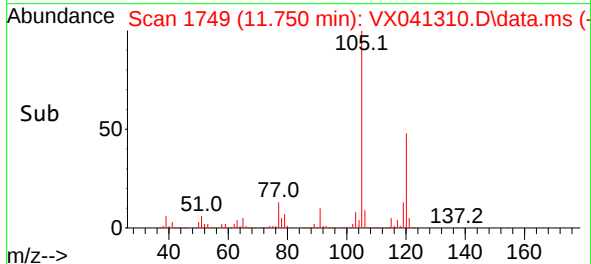
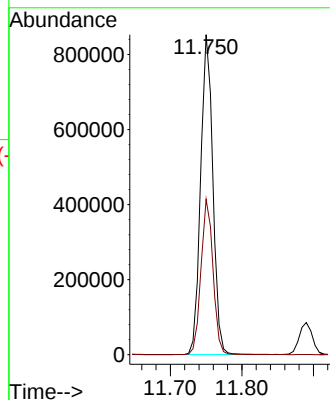
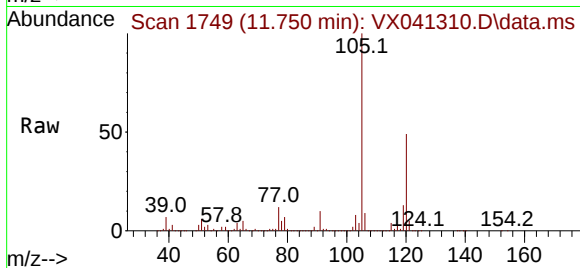
120 48.0 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/01/2024

Supervised By :Semsettin Yesilyurt 05/01/2024



#85

sec-Butylbenzene

Concen: 13.582 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041310.D

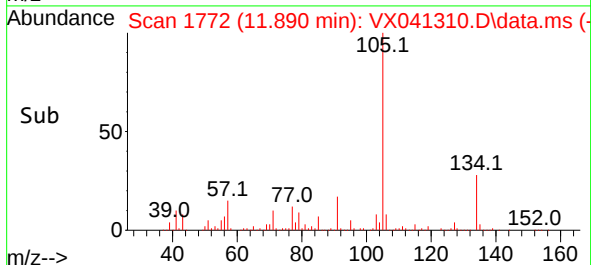
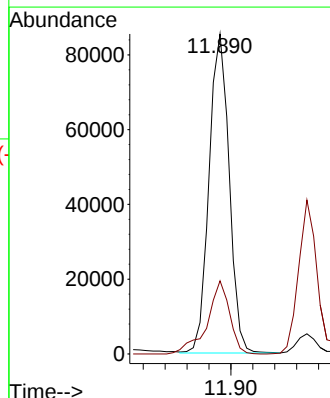
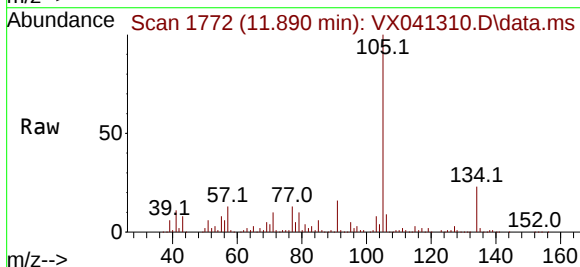
Acq: 30 Apr 2024 19:21

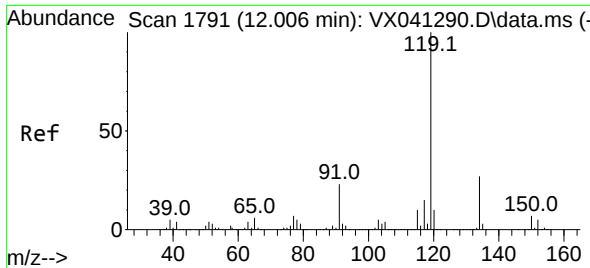
Tgt Ion:105 Resp: 108713

Ion Ratio Lower Upper

105 100

134 25.6 9.8 29.4





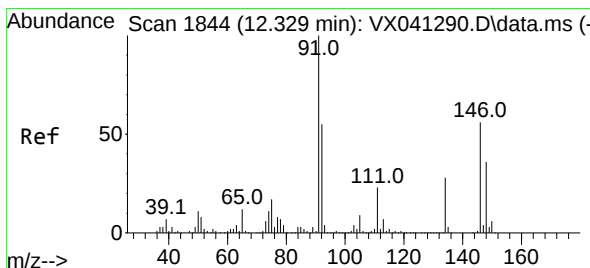
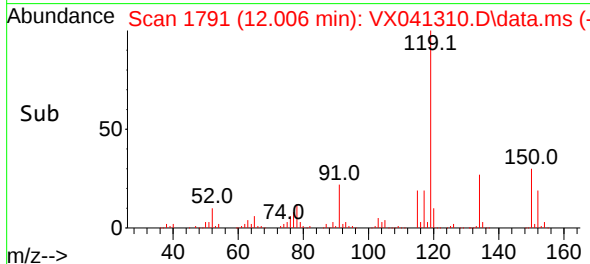
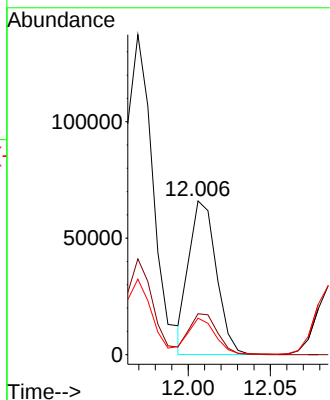
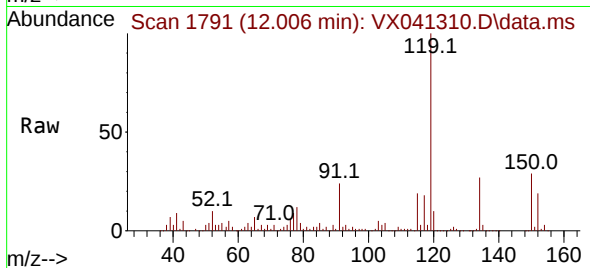
#86  
p-Isopropyltoluene  
Concen: 10.629 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-1

Tgt Ion: 119 Resp: 76410  
Ion Ratio Lower Upper  
119 100  
134 27.6 12.8 38.3  
91 23.9 13.1 39.3

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/01/2024  
Supervised By :Semsettin Yesilyurt 05/01/2024



#89  
n-Butylbenzene  
Concen: 23.619 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: VX041310.D  
Acq: 30 Apr 2024 19:21

Tgt Ion: 91 Resp: 136524  
Ion Ratio Lower Upper  
91 100  
92 34.1 27.4 82.0  
134 117.4 12.6 37.8#

