

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011724\  
 Data File : VX039794.D  
 Acq On : 17 Jan 2024 12:07  
 Operator : JC/MD  
 Sample : P1152-01 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 A2421

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 01/18/2024  
 Supervised By :Semsettin Yesilyurt 01/18/2024

Quant Time: Jan 18 02:40:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|--------|----------|
| -----                       |                |      |            |          |        |          |
| Internal Standards          |                |      |            |          |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 92523      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 172603     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049         | 117  | 169802     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 87579      | 50.000   | ug/l   | 0.00     |
|                             |                |      |            |          |        |          |
| System Monitoring Compounds |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 71141      | 45.901   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 78 - 117 |      | Recovery = | 91.800%  |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 56298      | 48.426   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 96.860%  |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 213517     | 48.697   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 92 - 112 |      | Recovery = | 97.400%  |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 89998      | 52.489   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 104.980% |        |          |
|                             |                |      |            |          |        |          |
| Target Compounds            |                |      |            |          |        |          |
|                             |                |      |            |          | Qvalue |          |
| 37) Ethyl Acetate           | 4.727          | 43   | 3936       | 1.630    | ug/l # | 91       |
| 40) Benzene                 | 6.037          | 78   | 40024      | 7.811    | ug/l   | 100      |
| 52) Toluene                 | 8.714          | 92   | 590790     | 193.033  | ug/l   | 95       |
| 67) Ethyl Benzene           | 10.195         | 91   | 285254     | 43.445   | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.299         | 106  | 403688     | 167.178  | ug/l   | 97       |
| 69) o-Xylene                | 10.640         | 106  | 188554     | 78.848   | ug/l   | 95       |
| 73) Isopropylbenzene        | 10.963         | 105  | 11743      | 1.684    | ug/l   | 98       |
| 78) n-propylbenzene         | 11.305         | 91   | 31649      | 3.750    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 67263      | 11.358   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 259972     | 44.002   | ug/l   | 98       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 2530m      | 0.345    | ug/l   |          |
| 86) p-Isopropyltoluene      | 12.012         | 119  | 1432m      | 0.244    | ug/l   |          |
| 95) Naphthalene             | 13.774         | 128  | 62418      | 9.430    | ug/l   | 100      |
| -----                       |                |      |            |          |        |          |

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

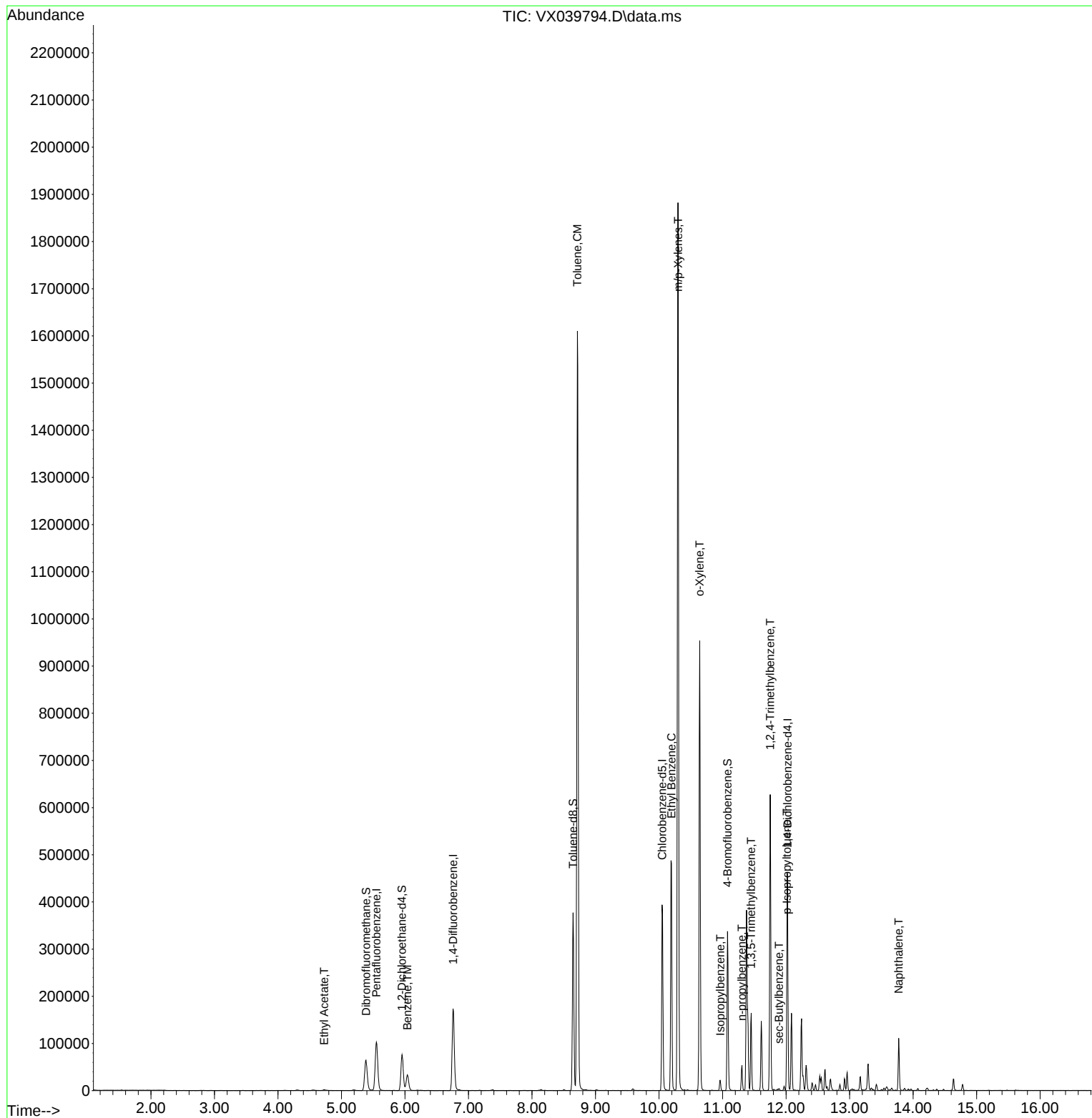
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011724\  
Data File : VX039794.D  
Acq On : 17 Jan 2024 12:07  
Operator : JC/MD  
Sample : P1152-01 50X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

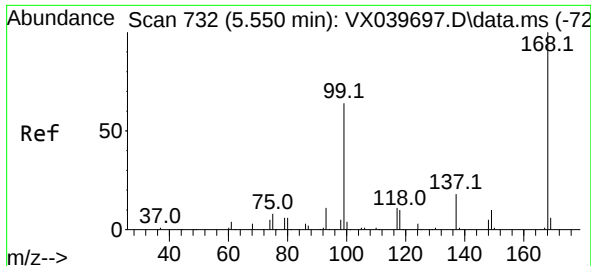
Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421

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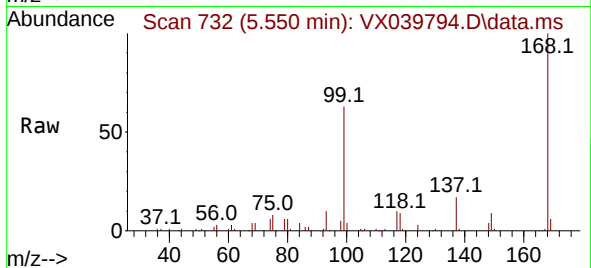
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

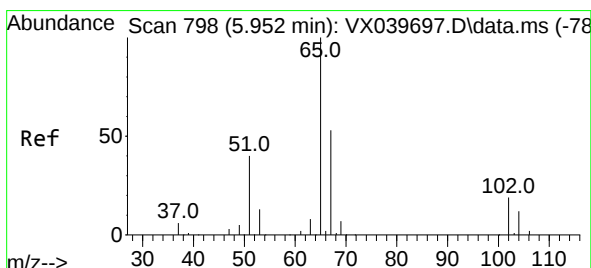
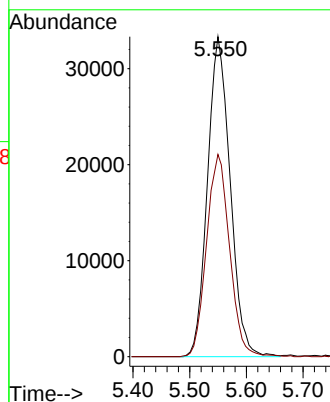
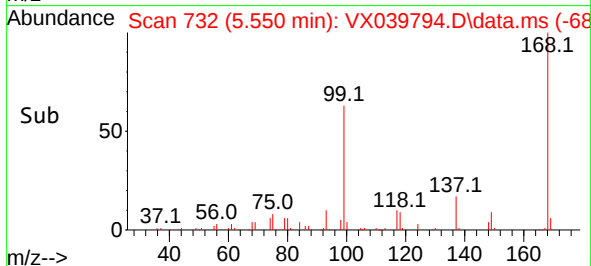
Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421



Tgt Ion:168 Resp: 9252  
Ion Ratio Lower Upper  
168 100  
99 63.2 56.6 85.0

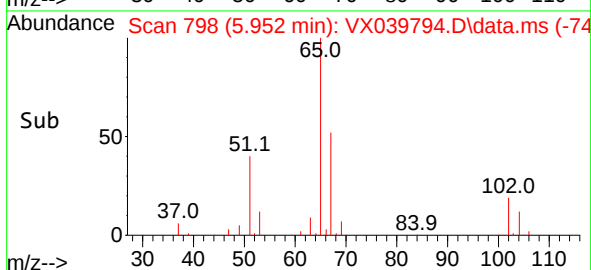
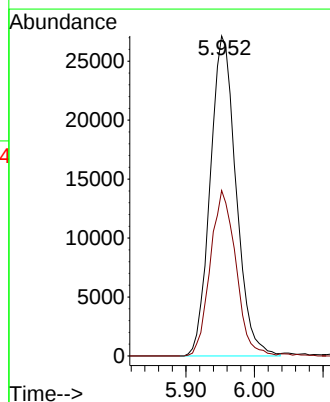
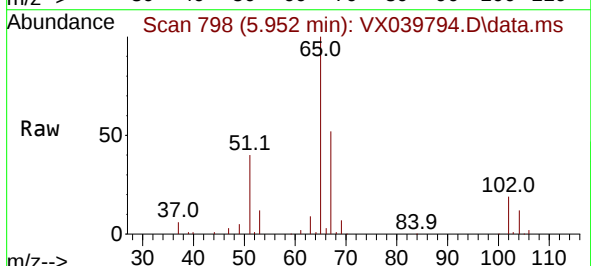
Manual Integrations  
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Supervised By :Semsettin Yesilyurt 01/18/2024



#33  
1,2-Dichloroethane-d4  
Concen: 45.901 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Tgt Ion: 65 Resp: 71141  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 100.2





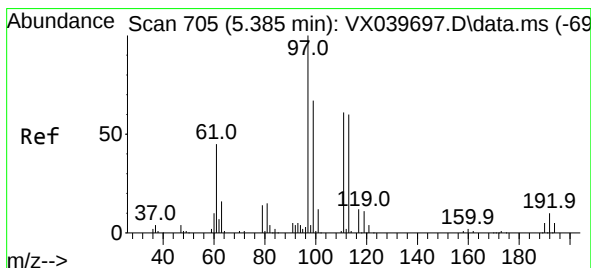
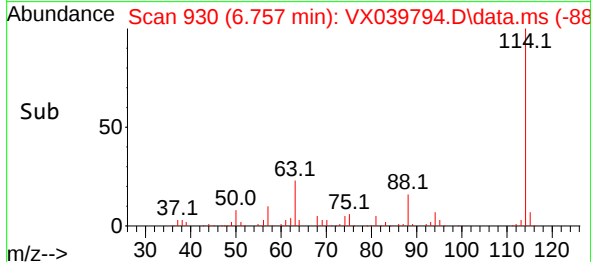
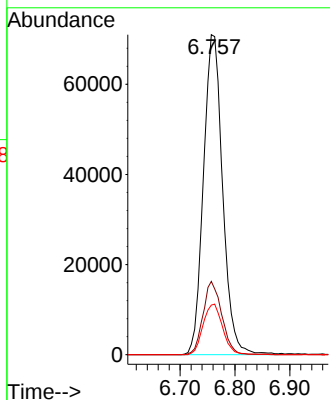
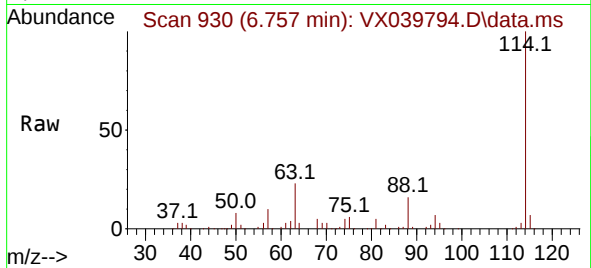
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421

Tgt Ion:114 Resp: 17260  
Ion Ratio Lower Upper  
114 100  
63 22.9 0.0 45.0  
88 15.5 0.0 36.6

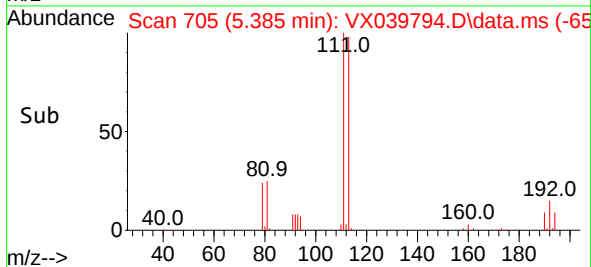
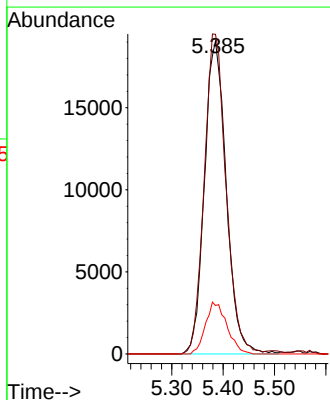
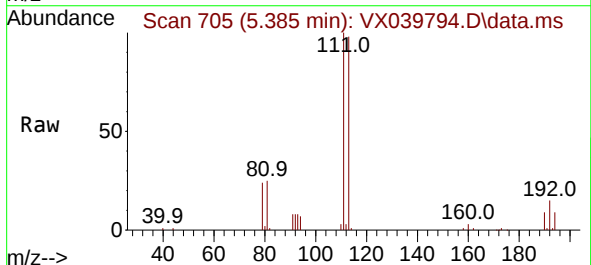
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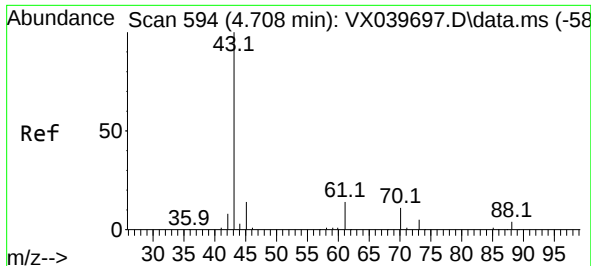
Reviewed By :John Carlone 01/18/2024  
Supervised By :Semsettin Yesilyurt 01/18/2024



#35  
Dibromofluoromethane  
Concen: 48.426 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Tgt Ion:113 Resp: 56298  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.9 124.3  
192 16.2 13.3 19.9





#37

Ethyl Acetate

Concen: 1.630 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX039794.D

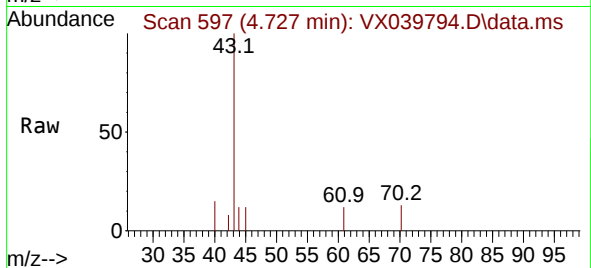
Acq: 17 Jan 2024 12:07

Instrument :

MSVOA\_X

ClientSampleId :

A2421



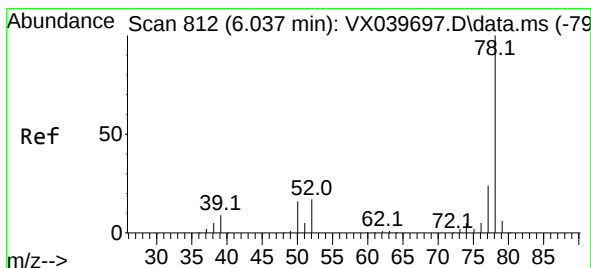
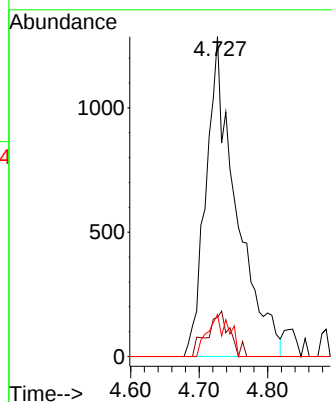
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 3930  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 10.5     | 10.6 16.0   |
| 70 6.0      | 8.3 12.5    |

Manual Integrations

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Reviewed By :John Carlone 01/18/2024

Supervised By :Semsettin Yesilyurt 01/18/2024



#40

Benzene

Concen: 7.811 ug/l

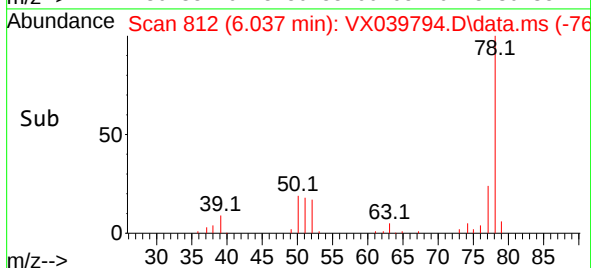
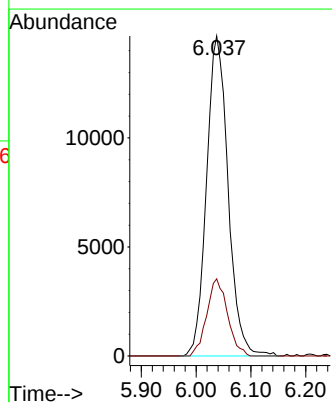
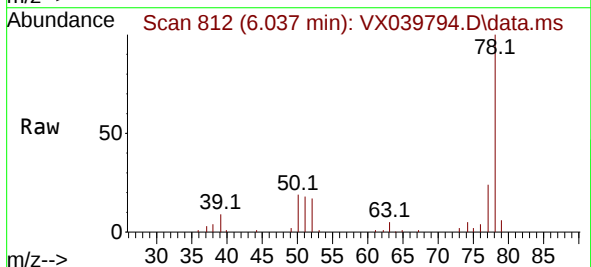
RT: 6.037 min Scan# 812

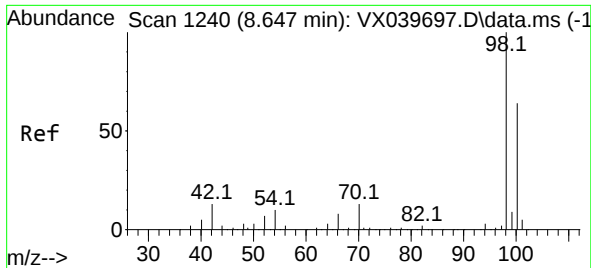
Delta R.T. -0.000 min

Lab File: VX039794.D

Acq: 17 Jan 2024 12:07

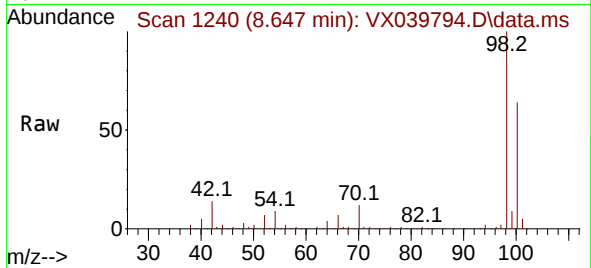
|             |             |
|-------------|-------------|
| Tgt Ion: 78 | Resp: 40024 |
| Ion Ratio   | Lower Upper |
| 78 100      |             |
| 77 24.1     | 19.3 28.9   |





#50  
Toluene-d8  
Concen: 48.697 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

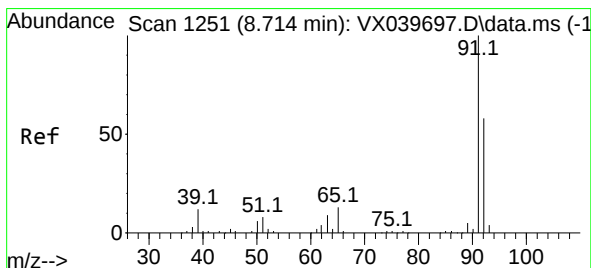
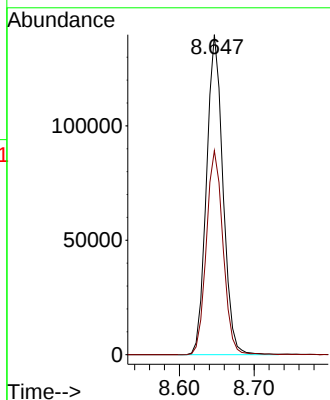
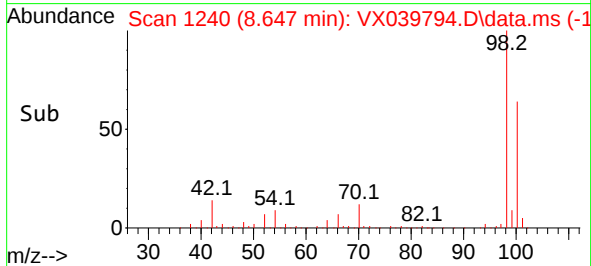
Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421



Tgt Ion: 98 Resp: 21351  
Ion Ratio Lower Upper  
98 100  
100 64.6 53.1 79.7

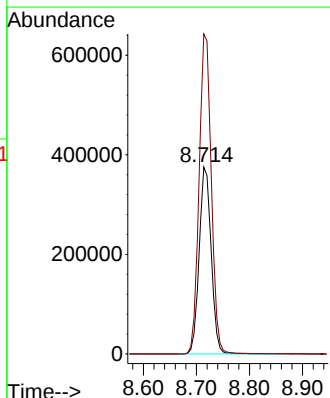
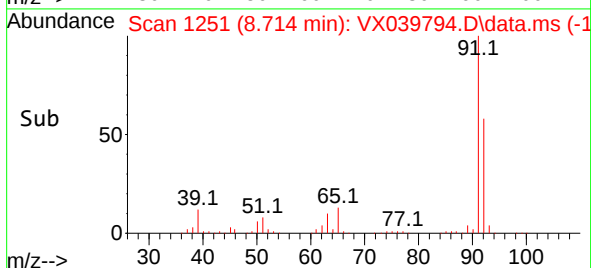
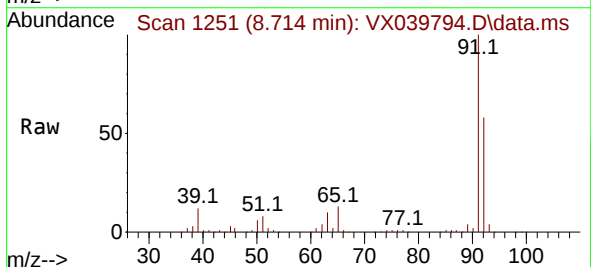
Manual Integrations  
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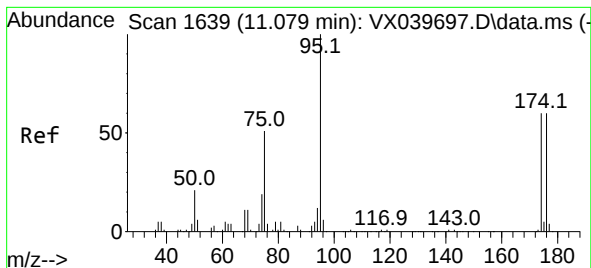
Reviewed By :John Carlone 01/18/2024  
Supervised By :Semsettin Yesilyurt 01/18/2024



#52  
Toluene  
Concen: 193.033 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

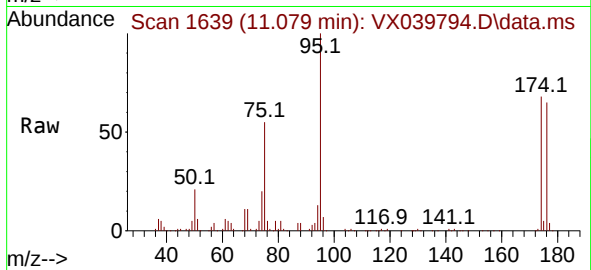
Tgt Ion: 92 Resp: 590790  
Ion Ratio Lower Upper  
92 100  
91 174.2 134.2 201.2





#62  
4-Bromofluorobenzene  
Concen: 52.489 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

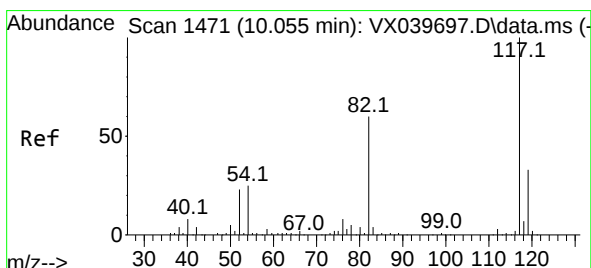
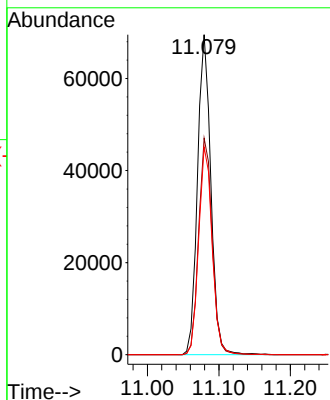
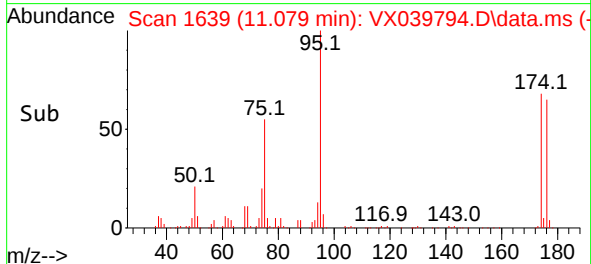
Instrument :  
MSVOA\_X  
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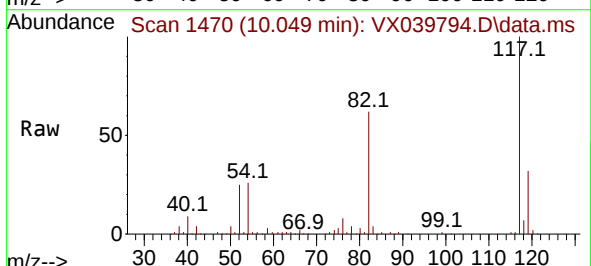
Tgt Ion: 95 Resp: 8998  
Ion Ratio Lower Upper  
95 100  
174 68.6 0.0 135.6  
176 65.5 0.0 131.0

Manual Integrations  
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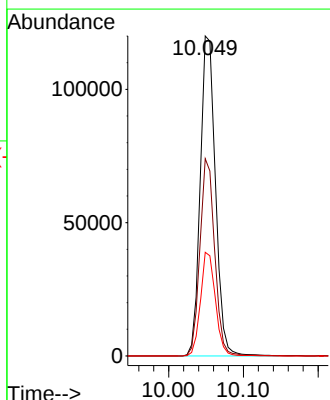
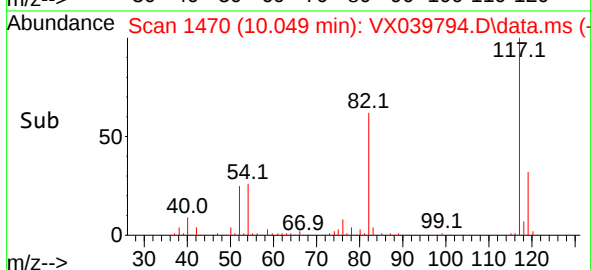
Reviewed By :John Carlone 01/18/2024  
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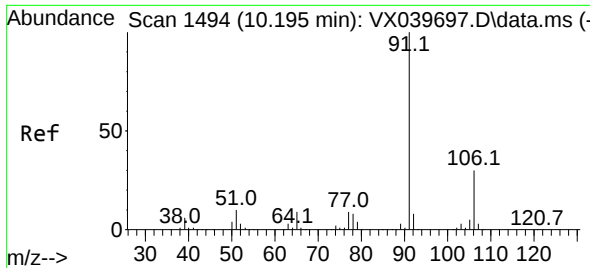


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07



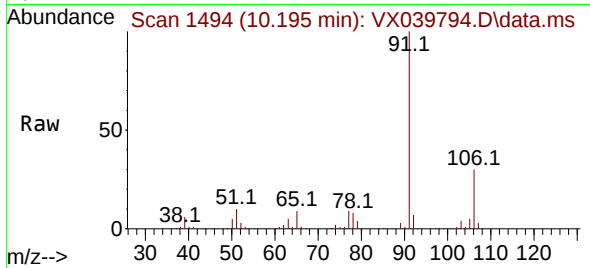
Tgt Ion:117 Resp: 169802  
Ion Ratio Lower Upper  
117 100  
82 61.6 46.2 69.4  
119 32.4 25.5 38.3





#67  
Ethyl Benzene  
Concen: 43.445 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

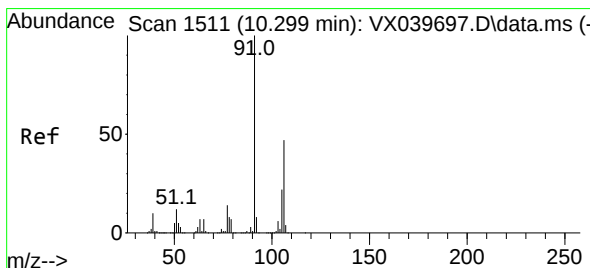
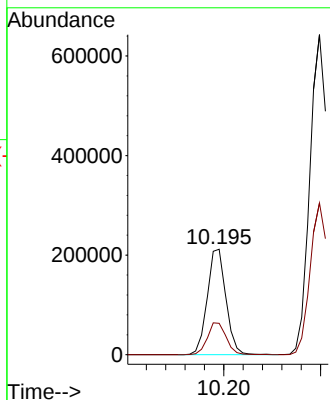
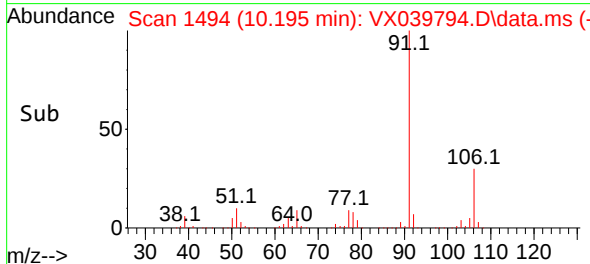
Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421



Tgt Ion: 91 Resp: 285254  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.9 37.3

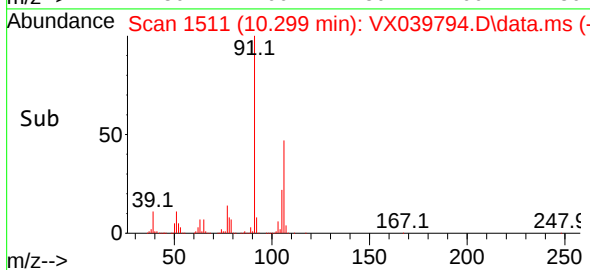
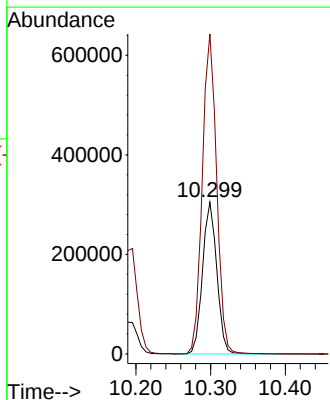
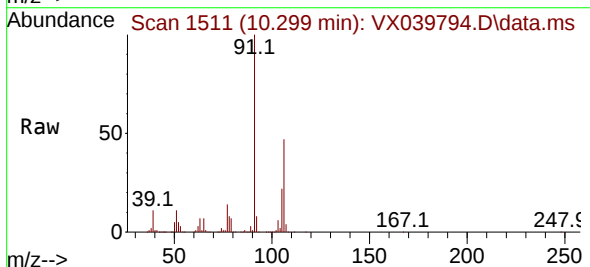
Manual Integrations  
APPROVED

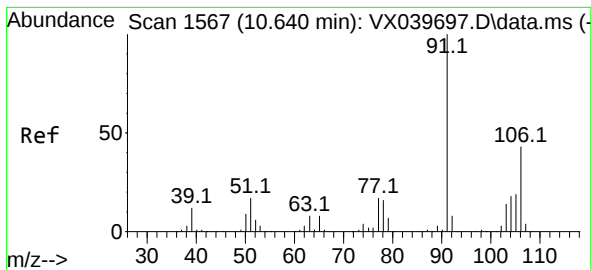
Reviewed By :John Carlone 01/18/2024  
Supervised By :Semsettin Yesilyurt 01/18/2024



#68  
m/p-Xylenes  
Concen: 167.178 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Tgt Ion:106 Resp: 403688  
Ion Ratio Lower Upper  
106 100  
91 212.2 165.5 248.3





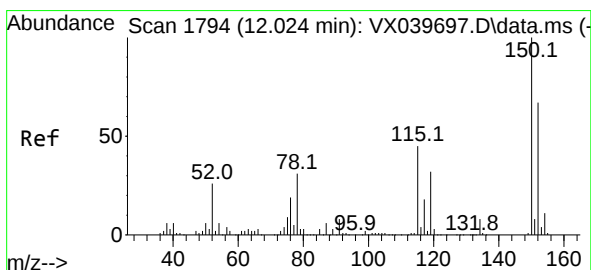
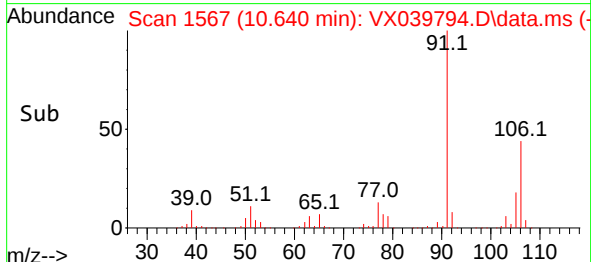
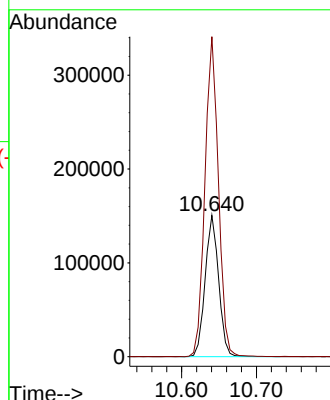
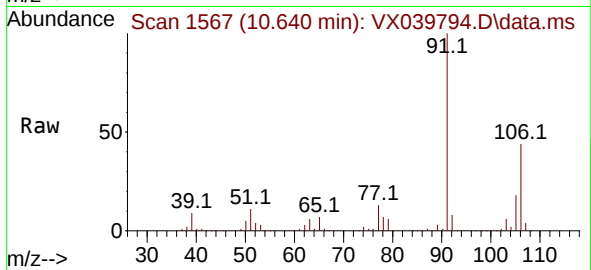
#69  
o-Xylene  
Concen: 78.848 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421

Tgt Ion:106 Resp: 188554  
Ion Ratio Lower Upper  
106 100  
91 226.4 108.9 326.8

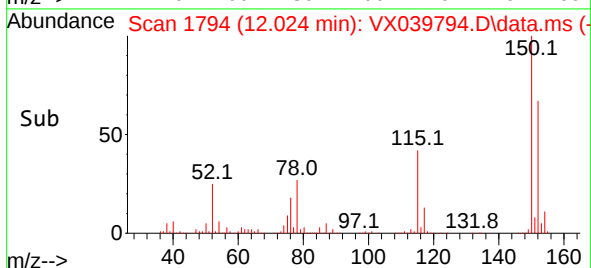
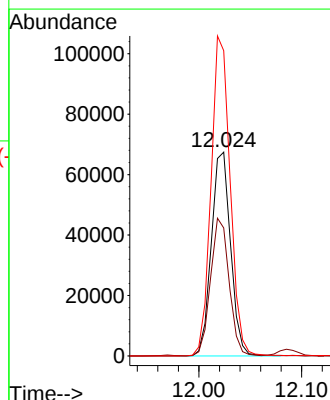
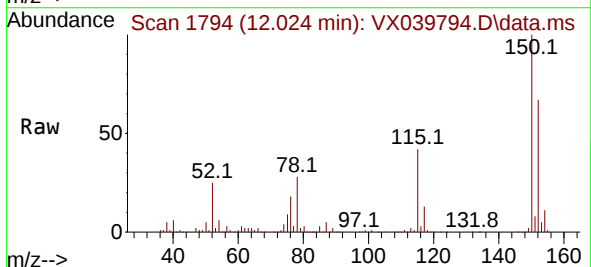
Manual Integrations  
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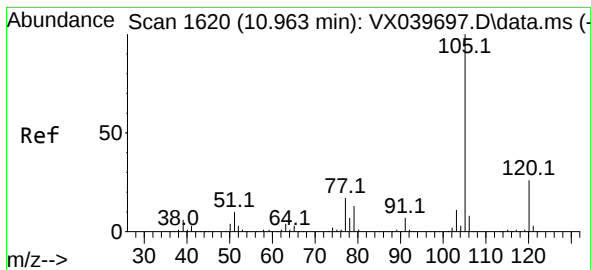
Reviewed By :John Carlone 01/18/2024  
Supervised By :Semsettin Yesilyurt 01/18/2024



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Tgt Ion:152 Resp: 87579  
Ion Ratio Lower Upper  
152 100  
115 65.0 43.3 129.9  
150 156.1 0.0 345.0





#73

Isopropylbenzene

Concen: 1.684 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX039794.D

Acq: 17 Jan 2024 12:07

Instrument :

MSVOA\_X

ClientSampleId :

A2421

Tgt Ion:105 Resp: 1174

Ion Ratio Lower Upper

105 100

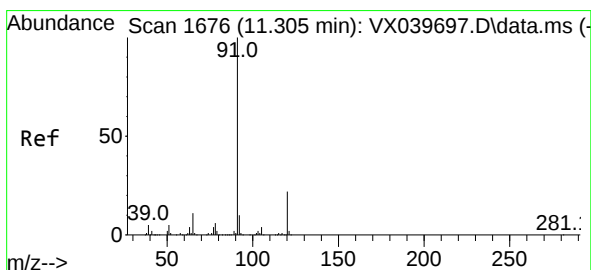
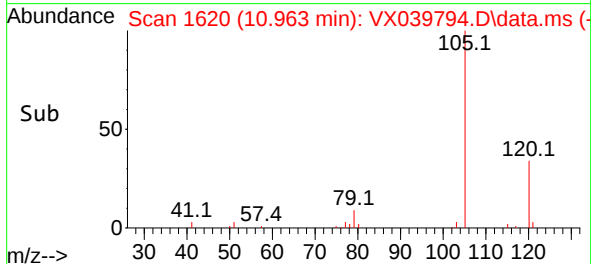
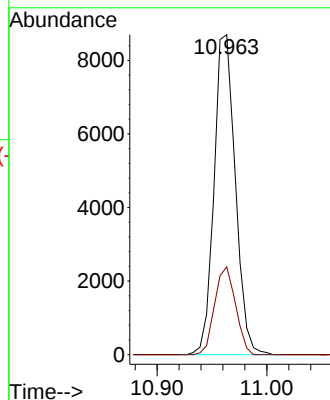
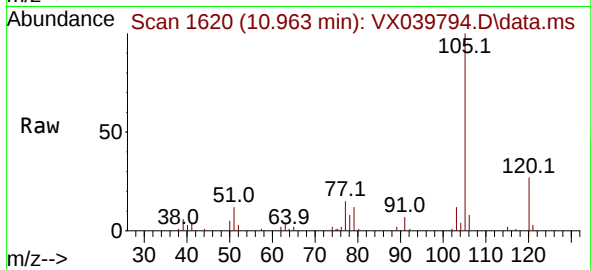
120 26.9 12.9 38.6

Manual Integrations

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Reviewed By :John Carlone 01/18/2024

Supervised By :Semsettin Yesilyurt 01/18/2024



#78

n-propylbenzene

Concen: 3.750 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX039794.D

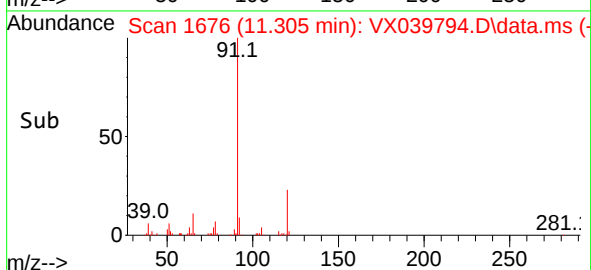
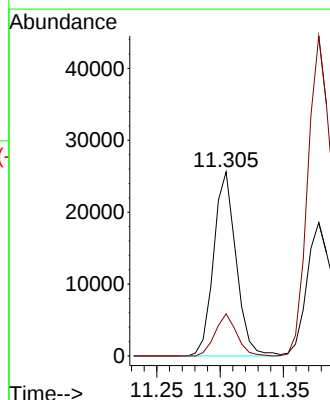
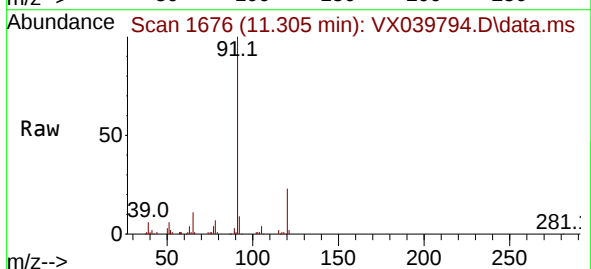
Acq: 17 Jan 2024 12:07

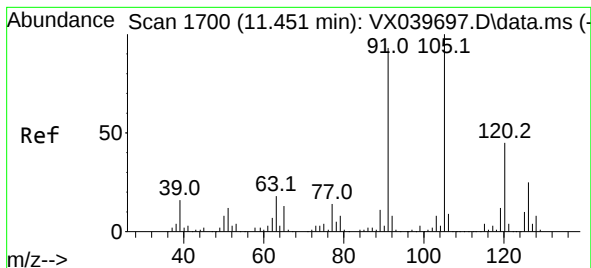
Tgt Ion: 91 Resp: 31649

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 11.358 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX039794.D

Acq: 17 Jan 2024 12:07

Instrument :

MSVOA\_X

ClientSampleId :

A2421

Tgt Ion:105 Resp: 6726

Ion Ratio Lower Upper

105 100

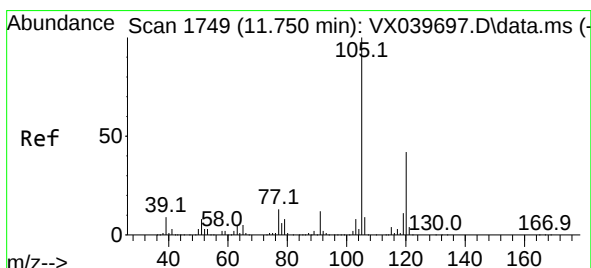
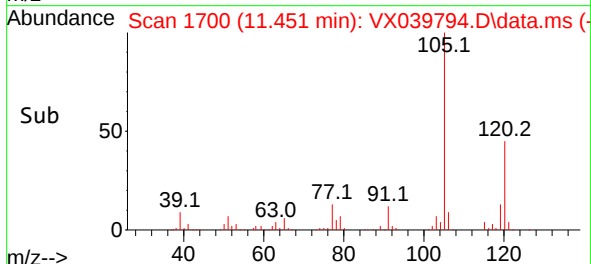
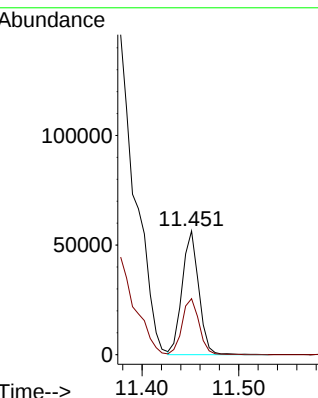
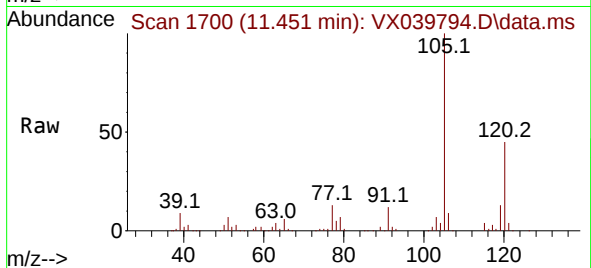
120 46.3 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/18/2024

Supervised By :Semsettin Yesilyurt 01/18/2024



#84

1,2,4-Trimethylbenzene

Concen: 44.002 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039794.D

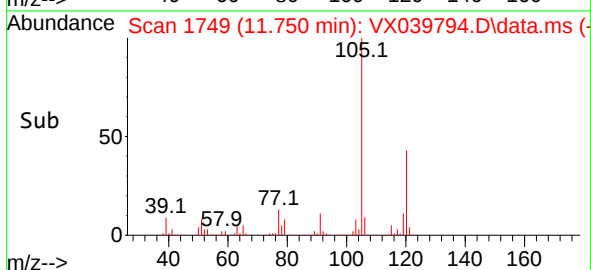
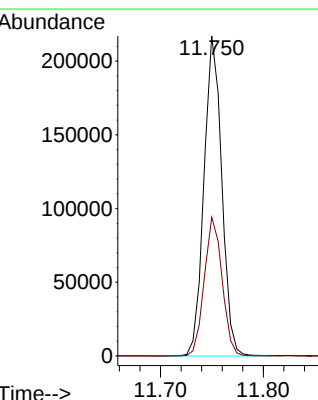
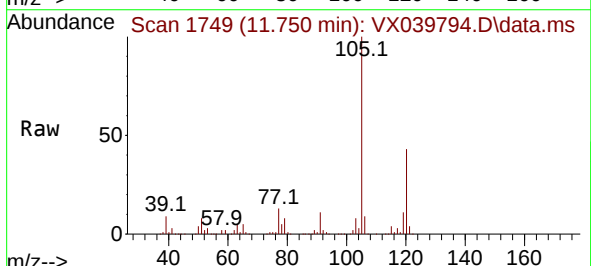
Acq: 17 Jan 2024 12:07

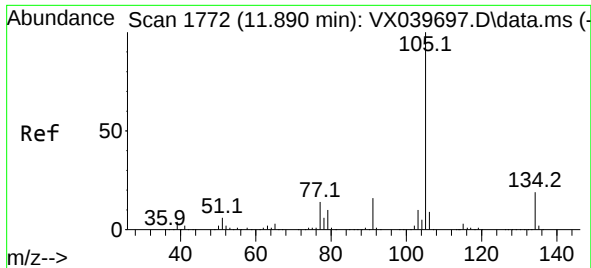
Tgt Ion:105 Resp: 259972

Ion Ratio Lower Upper

105 100

120 43.5 21.2 63.6





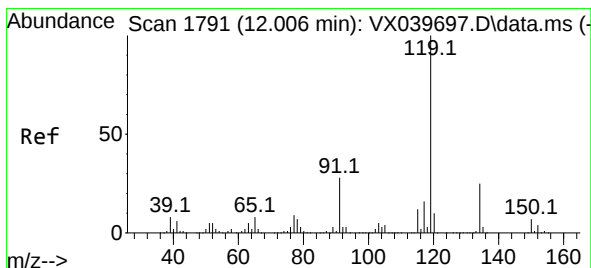
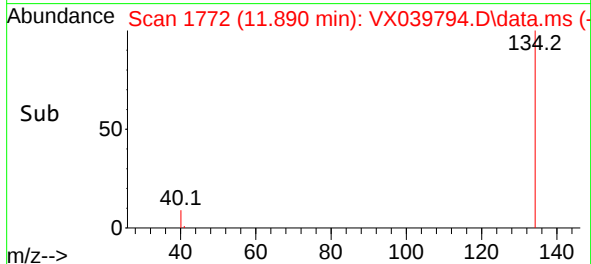
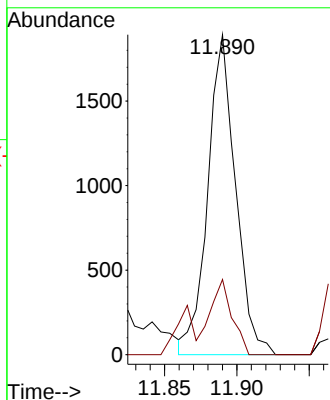
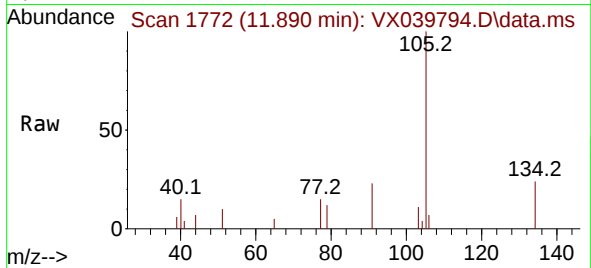
#85  
 sec-Butylbenzene  
 Concen: 0.345 ug/l m  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX039794.D  
 Acq: 17 Jan 2024 12:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 A2421

Tgt Ion:105 Resp: 2530  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.8 29.4

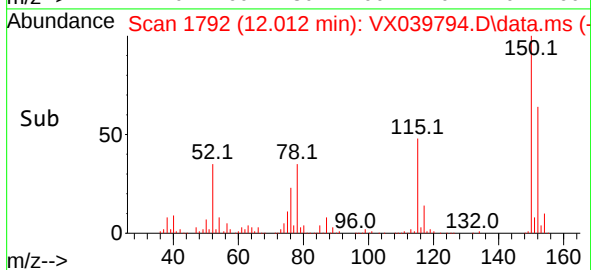
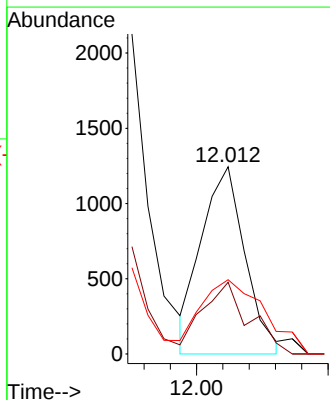
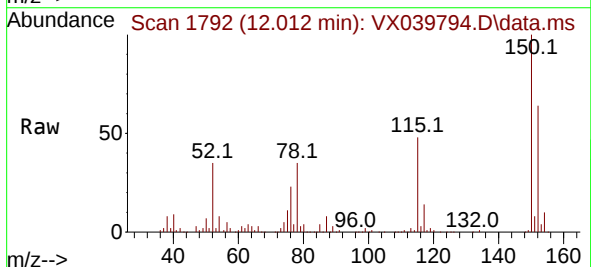
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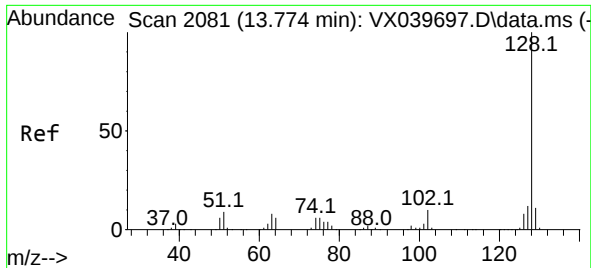
Reviewed By :John Carlone 01/18/2024  
 Supervised By :Semsettin Yesilyurt 01/18/2024



#86  
 p-Isopropyltoluene  
 Concen: 0.244 ug/l m  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.006 min  
 Lab File: VX039794.D  
 Acq: 17 Jan 2024 12:07

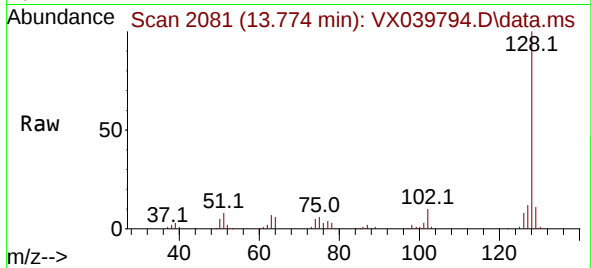
Tgt Ion:119 Resp: 1432  
 Ion Ratio Lower Upper  
 119 100  
 134 67.7 12.8 38.3#  
 91 68.6 13.1 39.3#





#95  
Naphthalene  
Concen: 9.430 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX039794.D  
Acq: 17 Jan 2024 12:07

Instrument :  
MSVOA\_X  
ClientSampleId :  
A2421



Tgt Ion:128 Resp: 62418  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.3 15.5  
129 11.0 8.8 13.2

Manual Integrations  
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Reviewed By :John Carlone 01/18/2024  
Supervised By :Semsettin Yesilyurt 01/18/2024

