

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092024\  
 Data File : VV037439.D  
 Acq On : 20 Sep 2024 17:51  
 Operator : SY/MD  
 Sample : P4081-06  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AP5

Quant Time: Sep 20 23:38:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 23:32:27 2024  
 Response via : Initial Calibration

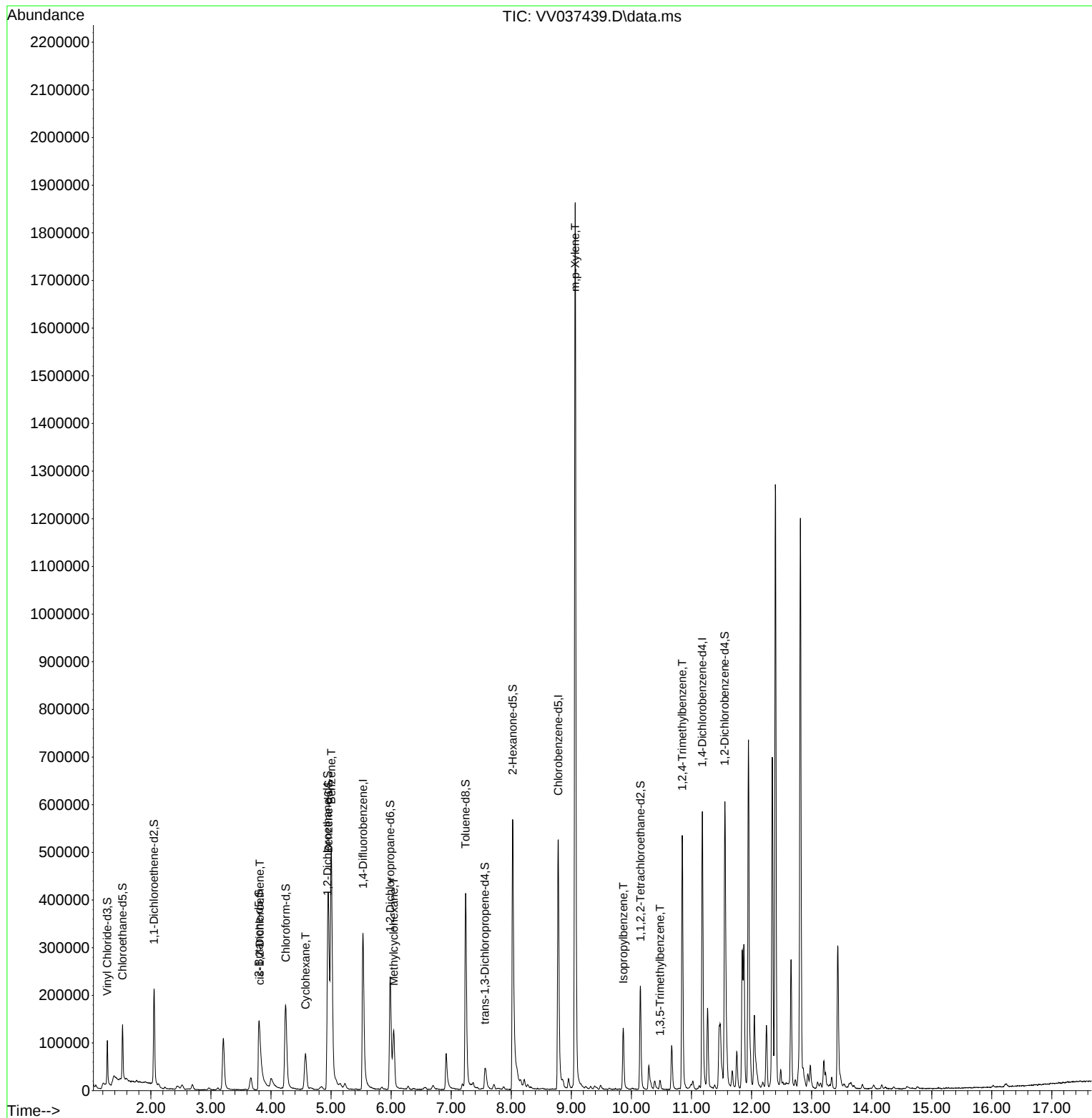
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 313443   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 311788   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 152326   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 59067    | 3.212    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 64.200%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 75337    | 3.929    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 33327    | 3.509    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 70.200%  |
| 20) 2-Butanone-d5             | 3.799  | 46    | 279508   | 50.860   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.720% |
| 24) Chloroform-d              | 4.246  | 84    | 201584   | 4.515    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.940  | 65    | 98347    | 4.704    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 4.957  | 84    | 373198   | 4.464    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 132850   | 5.110    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.200% |
| 41) Toluene-d8                | 7.239  | 98    | 301301   | 4.000    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 29577    | 3.459    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 69.200%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 221607   | 53.041   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 110670   | 5.223    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 134950   | 4.983    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 22) cis-1,2-Dichloroethene    | 3.812  | 96    | 7041     | 0.282    | ug/L   | 90       |
| 30) Cyclohexane               | 4.574  | 56    | 38523    | 1.074    | ug/L   | 95       |
| 33) Benzene                   | 5.005  | 78    | 555586   | 5.914    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.043  | 83    | 49723    | 1.292    | ug/L   | 99       |
| 53) m,p-Xylene                | 9.066  | 106   | 519080   | 12.936   | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.866  | 105   | 87435    | 0.858    | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105   | 9568     | 0.118    | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105   | 295817   | 3.642    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

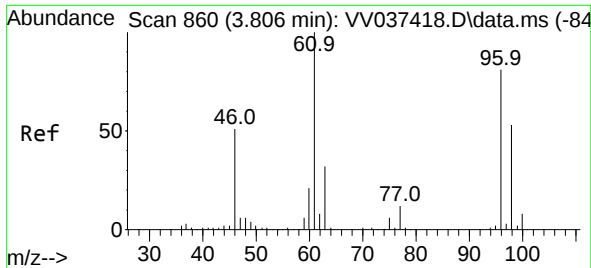
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 20 23:32:27 2024  
Response via : Initial Calibration

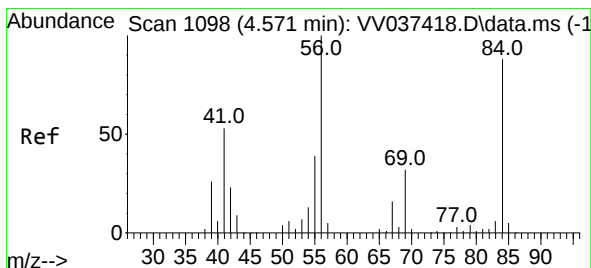
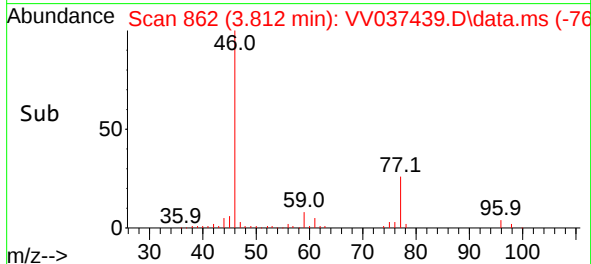
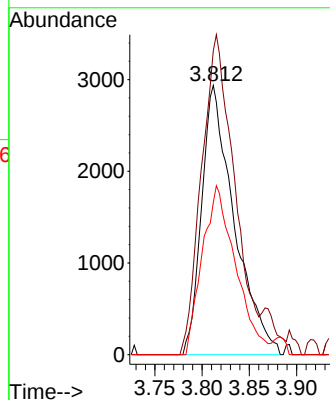
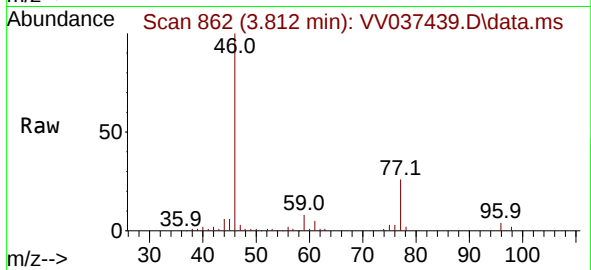




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.282 ug/L  
 RT: 3.812 min Scan# 862  
 Delta R.T. 0.006 min  
 Lab File: VV037439.D  
 Acq: 20 Sep 2024 17:51

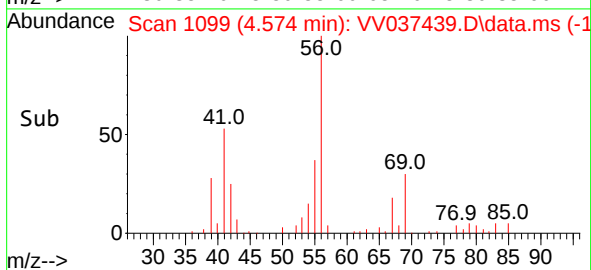
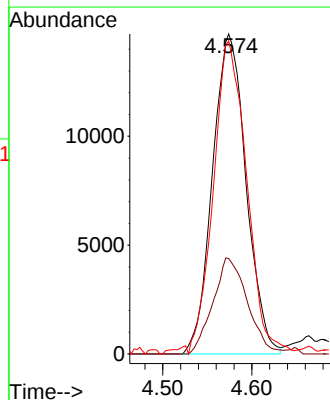
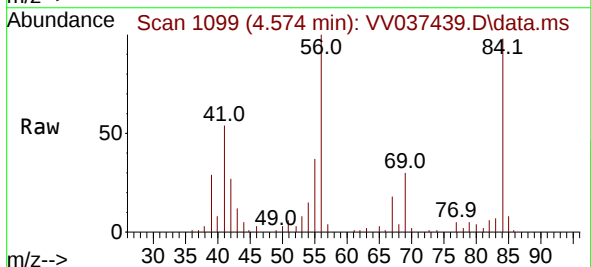
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AP5

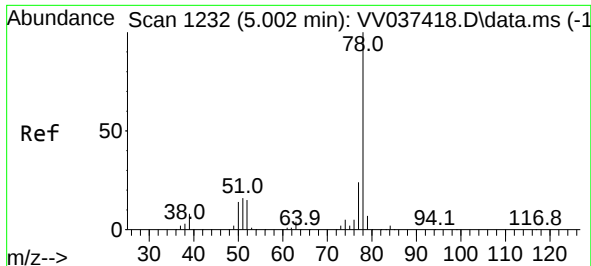
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 7041  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 113.0 | 87.6  | 162.6 |
| 98       | 56.6  | 44.9  | 83.5  |



#30  
 Cyclohexane  
 Concen: 1.074 ug/L  
 RT: 4.574 min Scan# 1099  
 Delta R.T. 0.003 min  
 Lab File: VV037439.D  
 Acq: 20 Sep 2024 17:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 38523 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.8  | 24.1  | 36.1  |
| 84       | 97.9  | 73.1  | 109.7 |

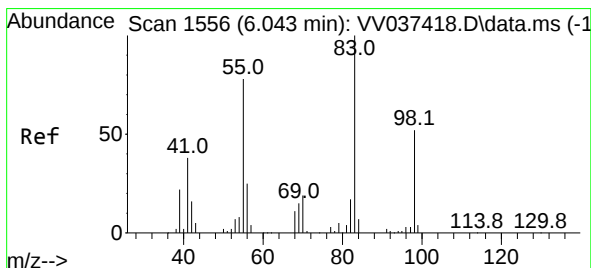
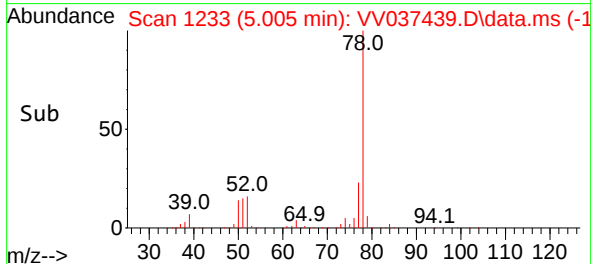
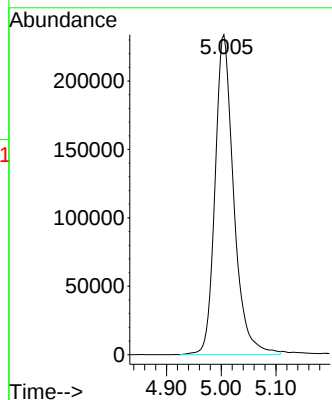
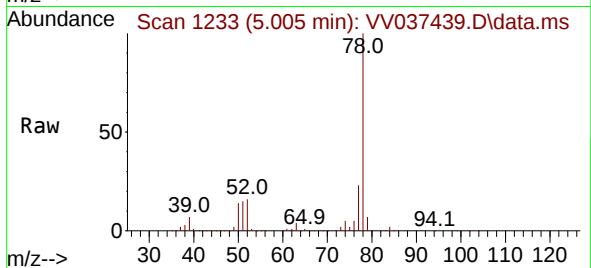




#33  
Benzene  
Concen: 5.914 ug/L  
RT: 5.005 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV037439.D  
Acq: 20 Sep 2024 17:51

Instrument :  
MSVOA\_V  
ClientSampleId :  
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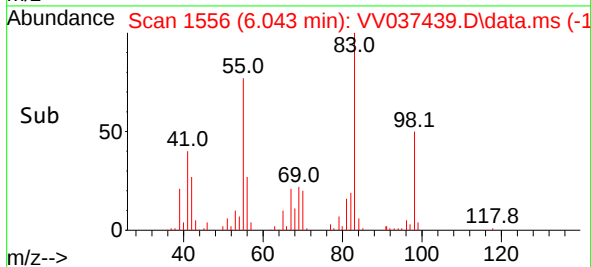
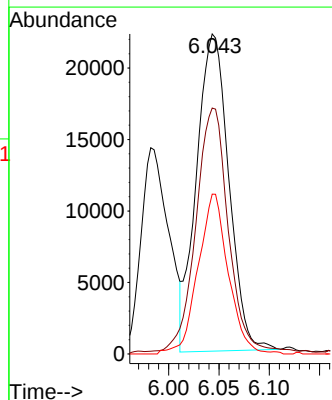
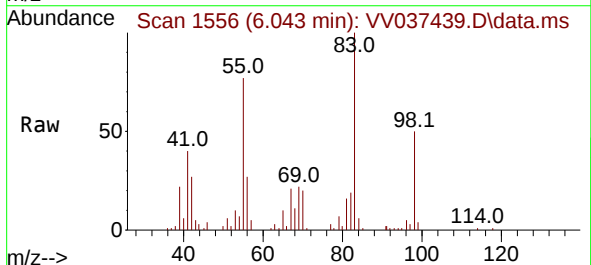
Tgt Ion: 78 Resp: 555586

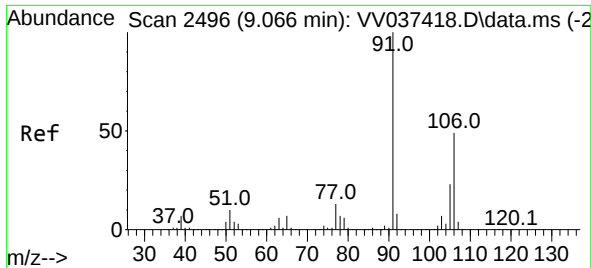


#35  
Methylcyclohexane  
Concen: 1.292 ug/L  
RT: 6.043 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: VV037439.D  
Acq: 20 Sep 2024 17:51

Tgt Ion: 83 Resp: 49723  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 76.2  | 60.3  | 90.5  |
| 98  | 47.0  | 38.2  | 57.4  |

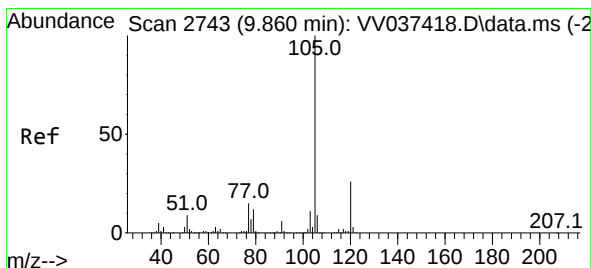
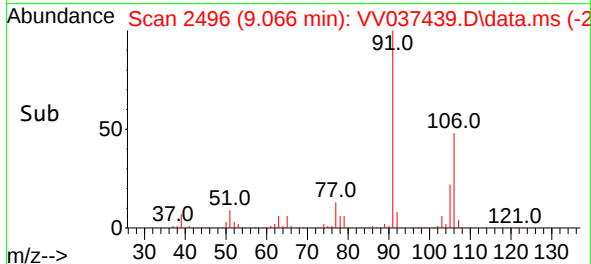
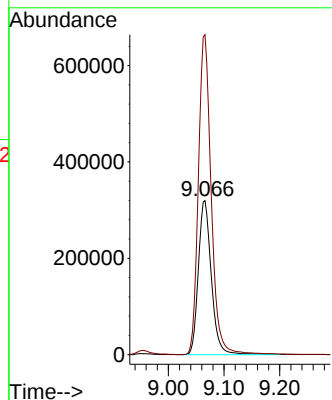
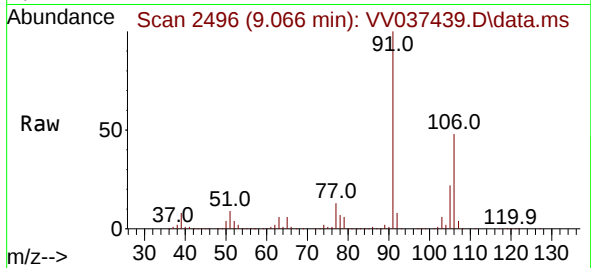




#53  
m,p-Xylene  
Concen: 12.936 ug/L  
RT: 9.066 min Scan# 2496  
Delta R.T. -0.000 min  
Lab File: VV037439.D  
Acq: 20 Sep 2024 17:51

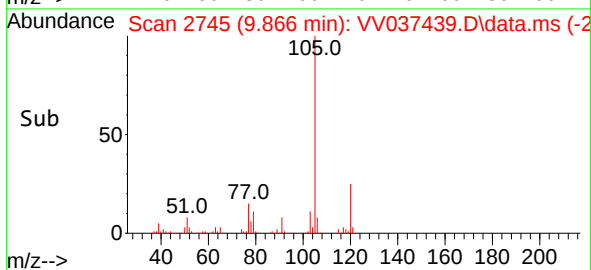
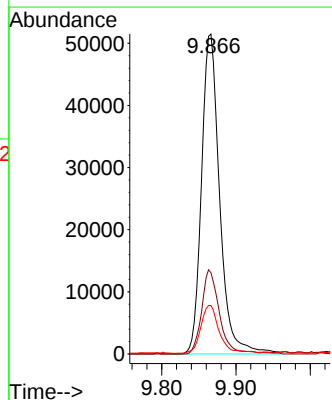
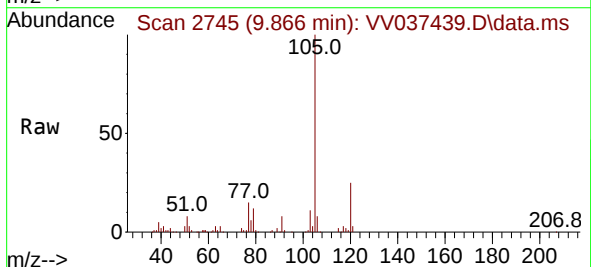
Instrument :  
MSVOA\_V  
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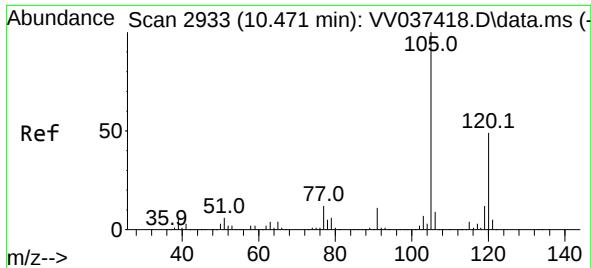
Tgt Ion:106 Resp: 519080  
Ion Ratio Lower Upper  
106 100  
91 207.7 143.3 266.1



#60  
Isopropylbenzene  
Concen: 0.858 ug/L  
RT: 9.866 min Scan# 2745  
Delta R.T. 0.006 min  
Lab File: VV037439.D  
Acq: 20 Sep 2024 17:51

Tgt Ion:105 Resp: 87435  
Ion Ratio Lower Upper  
105 100  
120 25.5 20.2 30.4  
77 15.0 12.7 19.1

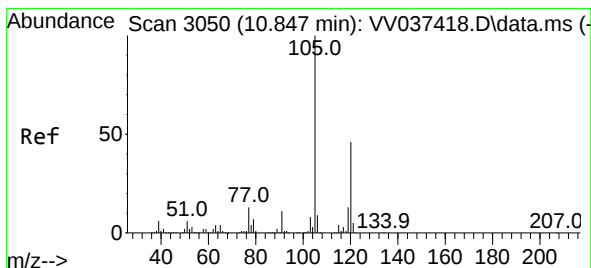
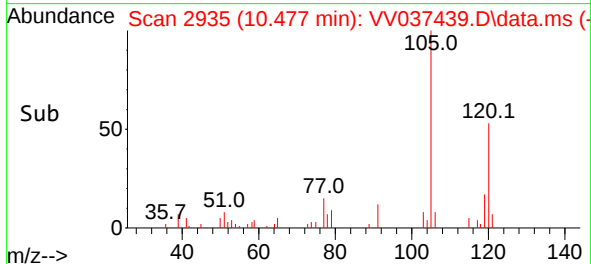
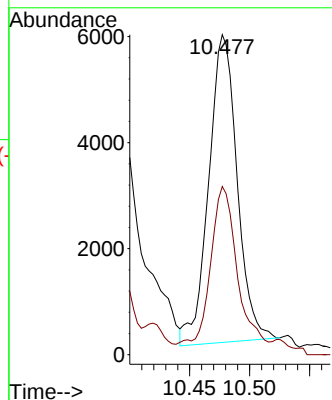
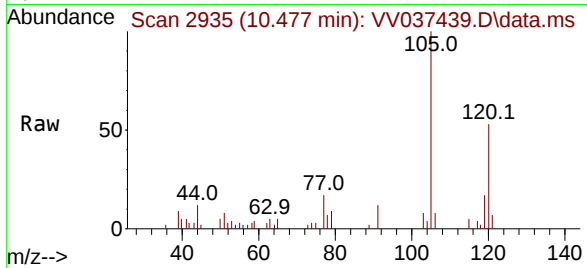




#62  
1,3,5-Trimethylbenzene  
Concen: 0.118 ug/L  
RT: 10.477 min Scan# 2933  
Delta R.T. 0.006 min  
Lab File: VV037439.D  
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Tgt Ion:105 Resp: 9568  
Ion Ratio Lower Upper  
105 100  
120 45.7 38.6 57.8



#63  
1,2,4-Trimethylbenzene  
Concen: 3.642 ug/L  
RT: 10.847 min Scan# 3050  
Delta R.T. -0.000 min  
Lab File: VV037439.D  
Acq: 20 Sep 2024 17:51

Tgt Ion:105 Resp: 295817  
Ion Ratio Lower Upper  
105 100  
120 46.1 36.2 54.2

