

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091224\  
 Data File : VV037262.D  
 Acq On : 12 Sep 2024 12:30  
 Operator : SY/MD  
 Sample : P3900-01MEDL 5X  
 Misc : 5.66G/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 13 00:45:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 13 00:43:12 2024  
 Response via : Initial Calibration

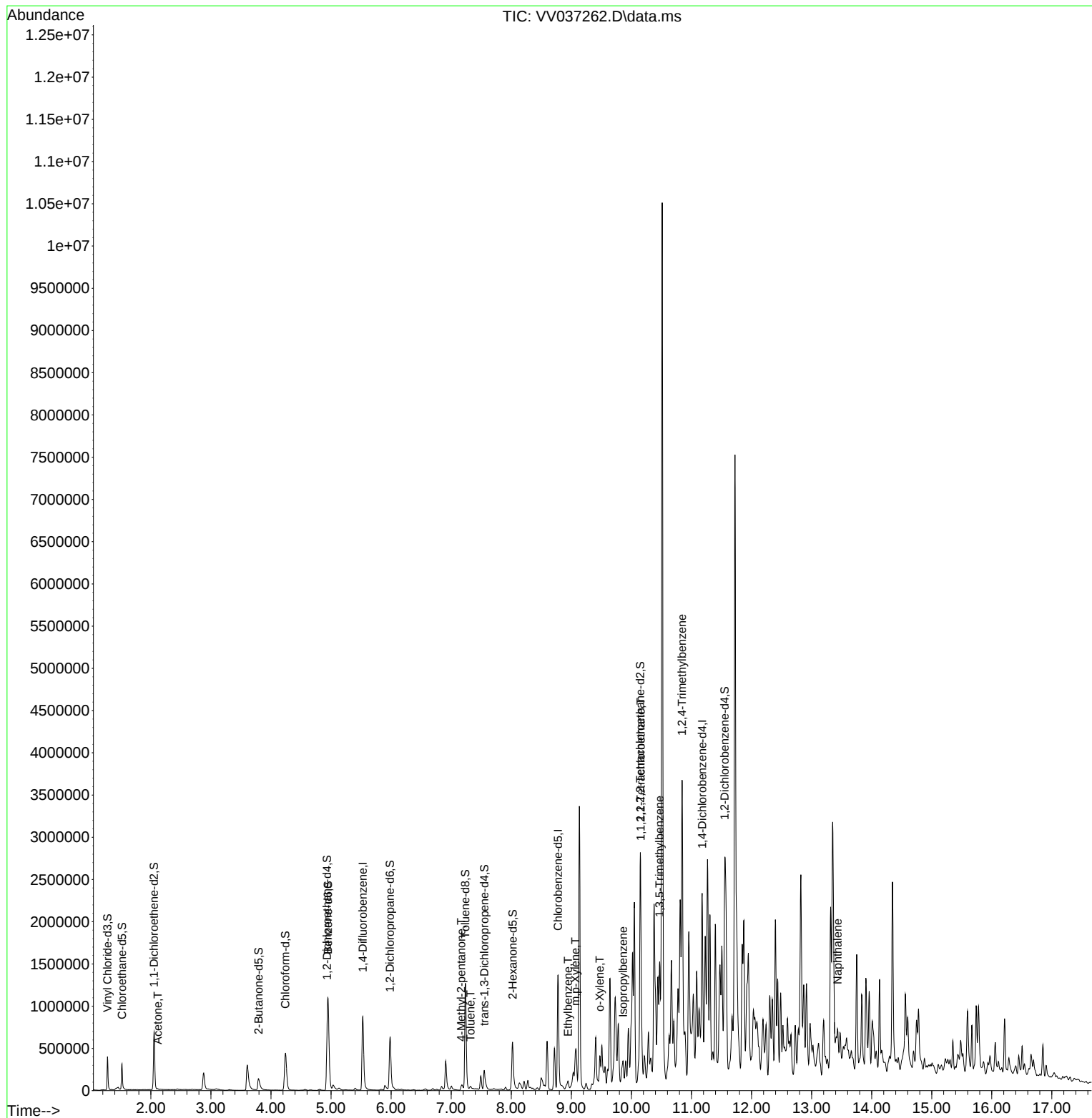
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 765739     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780          | 117  | 739678     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178         | 152  | 385824     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 257152     | 36.711  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.420% |        |          |
| 7) Chloroethane-d5            | 1.519          | 69   | 217994     | 40.268  | ug/L   | -0.01    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 80.540% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 115013     | 39.066  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.140% |        |          |
| 21) 2-Butanone-d5             | 3.793          | 46   | 225333     | 83.070  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 83.070% |        |          |
| 24) Chloroform-d              | 4.239          | 84   | 468204     | 42.708  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.420% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.934          | 65   | 306048     | 44.330  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.660% |        |          |
| 32) Benzene-d6                | 4.950          | 84   | 951981     | 42.611  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.220% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.982          | 67   | 308750     | 44.123  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.240% |        |          |
| 41) Toluene-d8                | 7.236          | 98   | 848923     | 42.103  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.200% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 138874     | 42.897  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.800% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 169866     | 88.946  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.950% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146         | 84   | 390552     | 46.019  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.040% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554         | 152  | 349533     | 45.234  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.460% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 13) Acetone                   | 2.114          | 43   | 11386      | 3.914   | ug/L   | 84       |
| 40) 4-Methyl-2-pentanone      | 7.169          | 43   | 28699      | 4.933   | ug/L   | 97       |
| 42) Toluene                   | 7.323          | 91   | 33213      | 1.494   | ug/L   | 97       |
| 52) Ethylbenzene              | 8.944          | 91   | 52891      | 2.107   | ug/L   | 96       |
| 53) m,p-Xylene                | 9.069          | 106  | 88030      | 9.464   | ug/L   | 99       |
| 54) o-Xylene                  | 9.474          | 106  | 73197      | 8.037   | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.156         | 83   | 67763      | 8.588   | ug/L # | 75       |
| 60) Isopropylbenzene          | 9.863          | 105  | 100824     | 4.031   | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471         | 105  | 602965     | 29.464  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844         | 105  | 1735193    | 84.965  | ug/L   | 99       |
| 71) Naphthalene               | 13.432         | 128  | 265182     | 12.135  | ug/L   | 97       |
| -----                         |                |      |            |         |        |          |

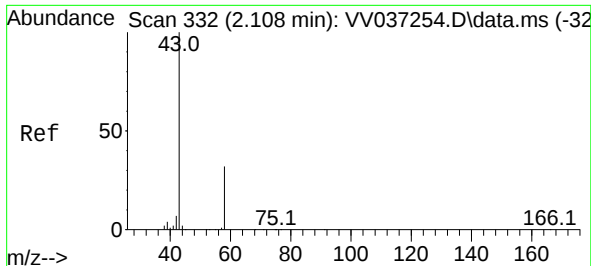
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 13 00:45:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 13 00:43:12 2024  
Response via : Initial Calibration





#13

Acetone

Concen: 3.914 ug/L

RT: 2.114 min Scan# 332

Delta R.T. 0.006 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

Instrument :

MSVOA\_V

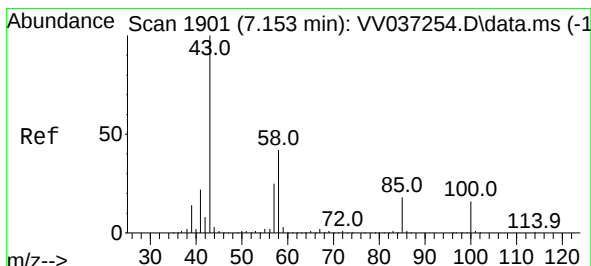
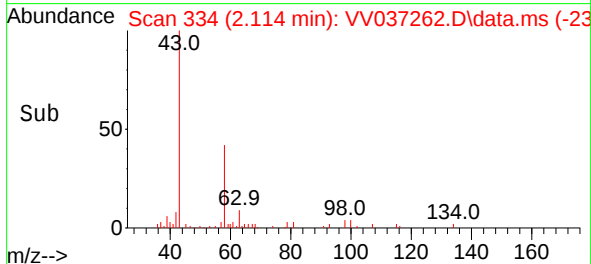
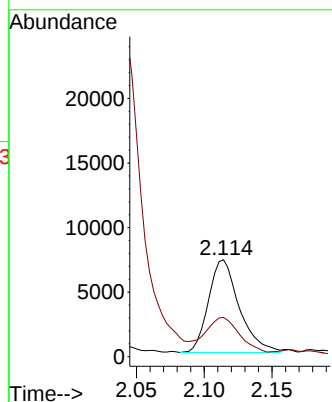
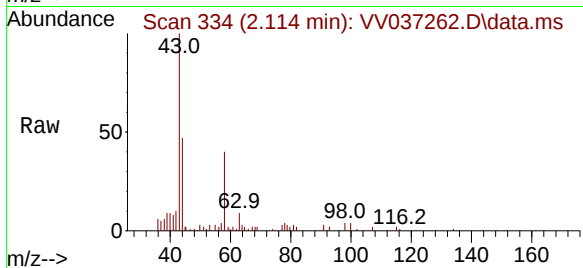
ClientSampleId :

Tgt Ion: 43 Resp: 11386

Ion Ratio Lower Upper

43 100

58 41.2 0.0 64.8



#40

4-Methyl-2-pentanone

Concen: 4.933 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.016 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

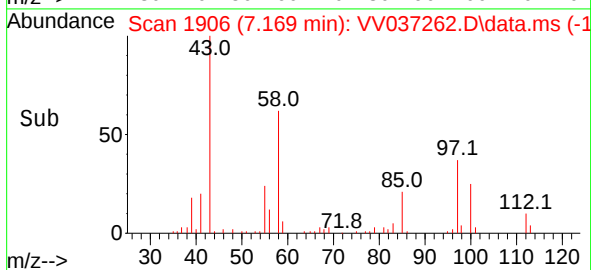
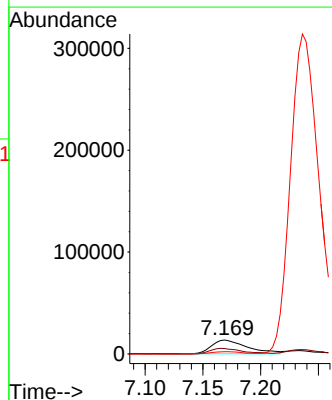
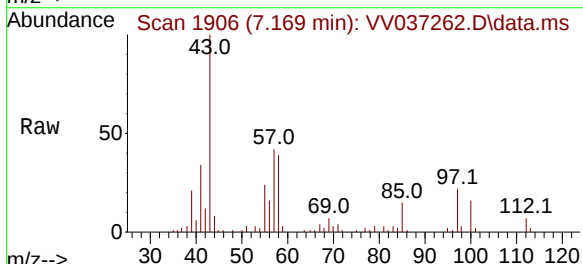
Tgt Ion: 43 Resp: 28699

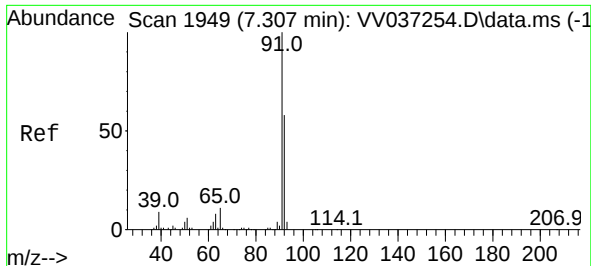
Ion Ratio Lower Upper

43 100

58 37.6 32.0 48.0

100 14.9 12.4 18.6





#42

Toluene

Concen: 1.494 ug/L

RT: 7.323 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

Instrument :

MSVOA\_V

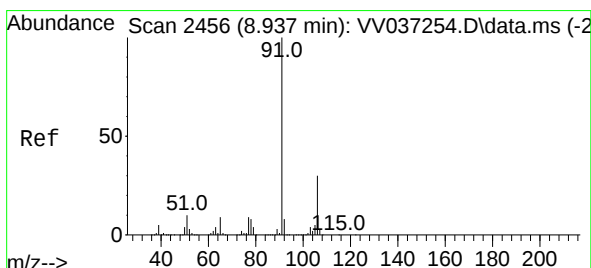
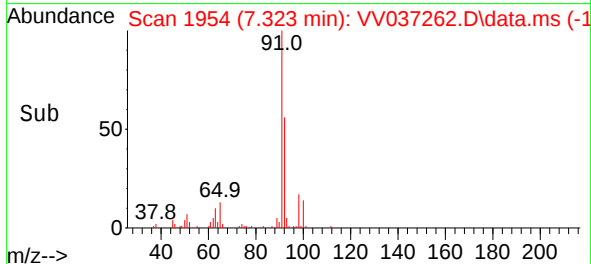
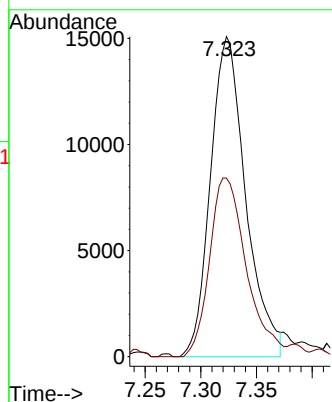
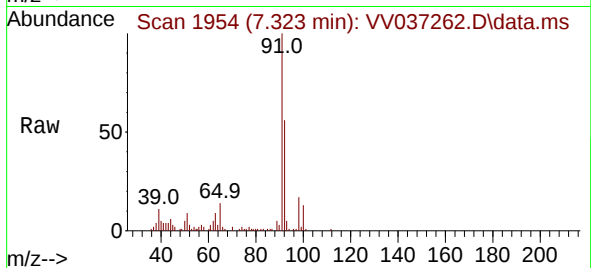
ClientSampleId :

Tgt Ion: 91 Resp: 33213

Ion Ratio Lower Upper

91 100

92 55.8 40.8 75.8



#52

Ethylbenzene

Concen: 2.107 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.006 min

Lab File: VV037262.D

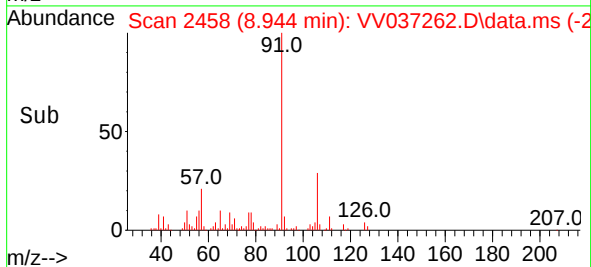
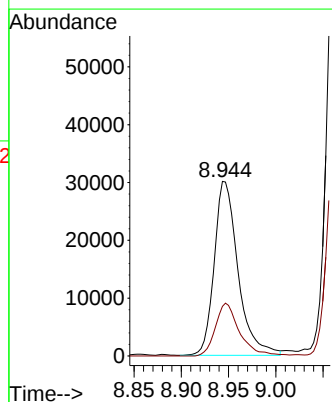
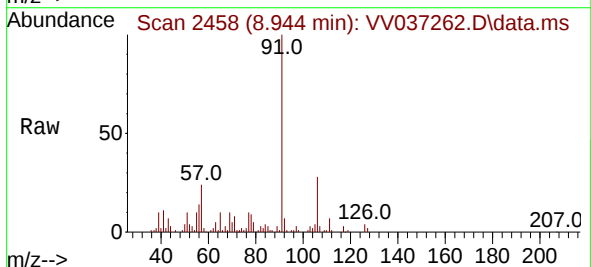
Acq: 12 Sep 2024 12:30

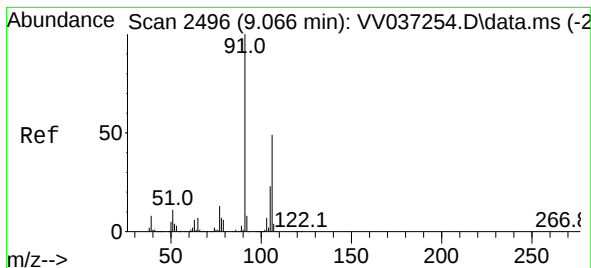
Tgt Ion: 91 Resp: 52891

Ion Ratio Lower Upper

91 100

106 28.4 21.4 39.8





#53

m,p-Xylene

Concen: 9.464 ug/L

RT: 9.069 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

Instrument :

MSVOA\_V

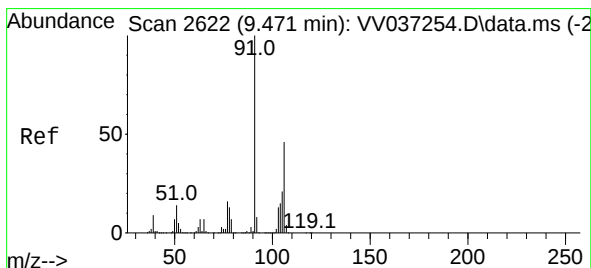
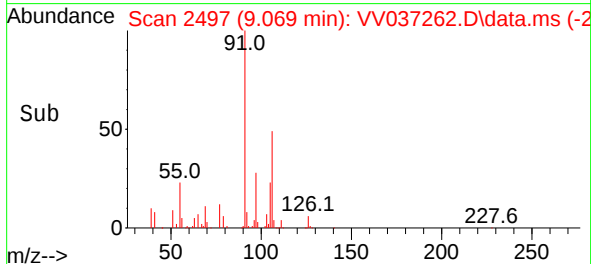
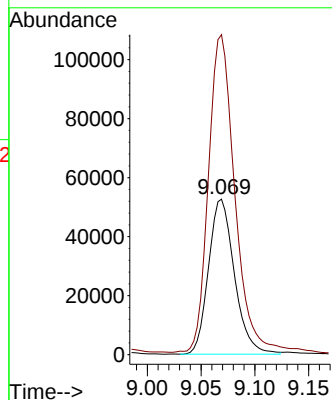
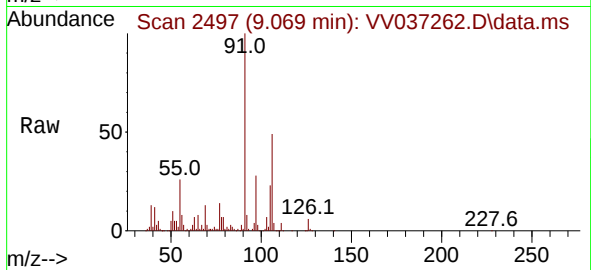
ClientSampleId :

Tgt Ion:106 Resp: 88030

Ion Ratio Lower Upper

106 100

91 205.8 143.0 265.6



#54

o-Xylene

Concen: 8.037 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV037262.D

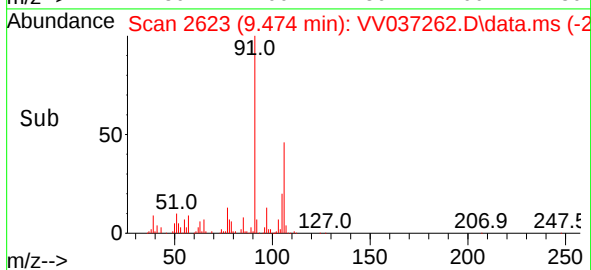
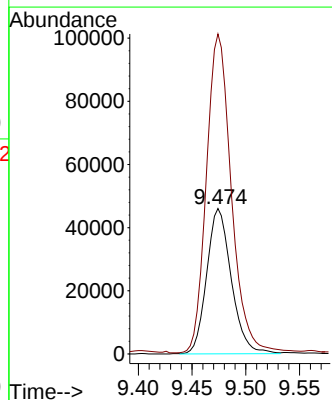
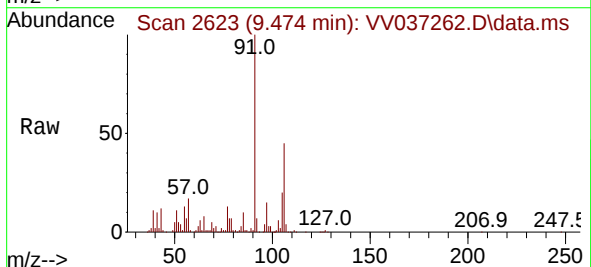
Acq: 12 Sep 2024 12:30

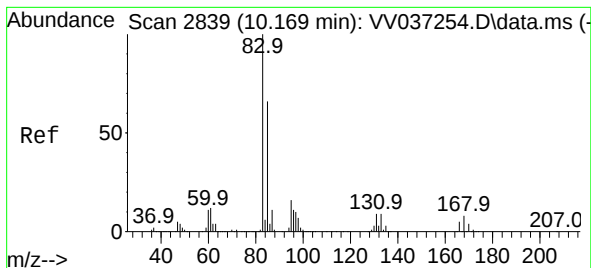
Tgt Ion:106 Resp: 73197

Ion Ratio Lower Upper

106 100

91 220.0 153.2 284.6





#57

1,1,2,2-Tetrachloroethane

Concen: 8.588 ug/L

RT: 10.156 min Scan# 21

Delta R.T. -0.013 min

Lab File: VV037262.D

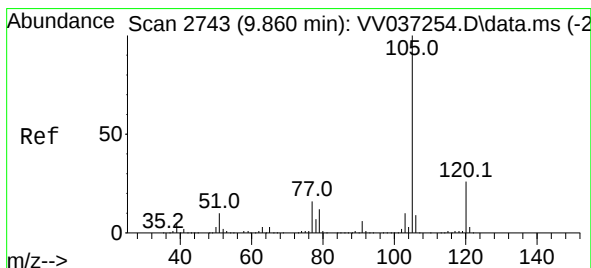
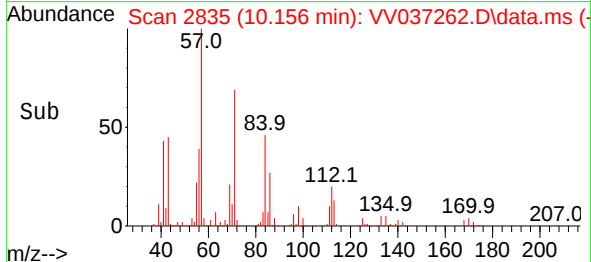
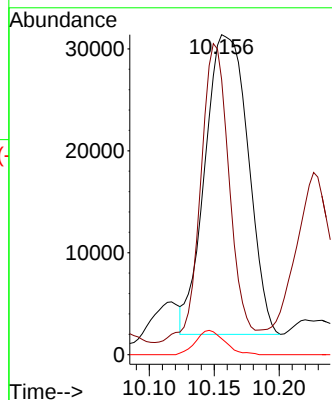
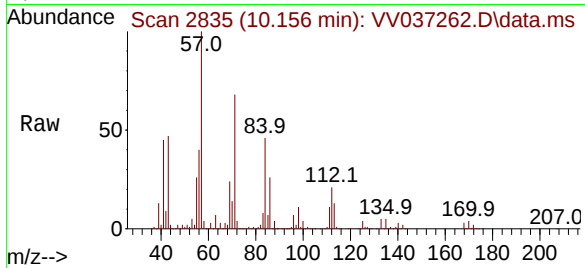
Acq: 12 Sep 2024 12:30

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 67763 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 86.0  | 45.1  | 83.7# |
| 131      | 5.0   | 7.4   | 11.0# |



#60

Isopropylbenzene

Concen: 4.031 ug/L

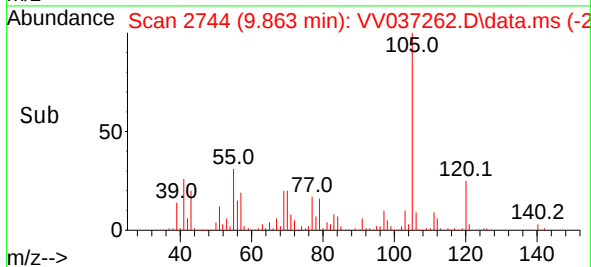
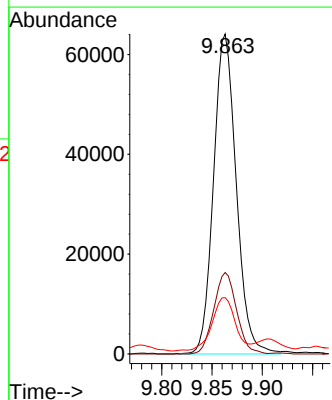
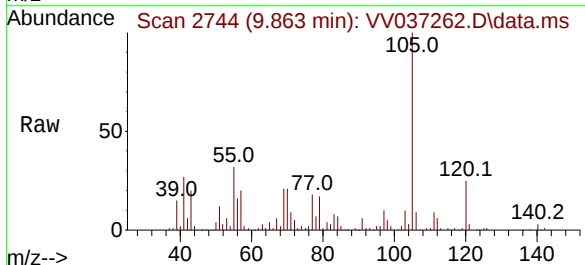
RT: 9.863 min Scan# 2744

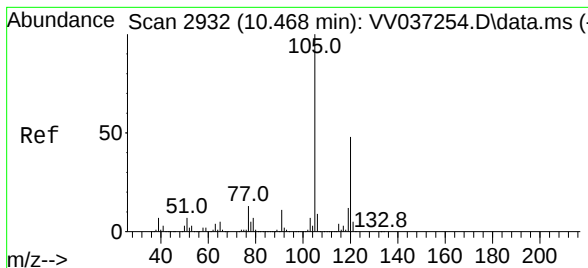
Delta R.T. 0.003 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 100824 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 25.5  | 20.9  | 31.3   |
| 77       | 16.4  | 12.6  | 19.0   |





#62

1,3,5-Trimethylbenzene

Concen: 29.464 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037262.D

Acq: 12 Sep 2024 12:30

Instrument :

MSVOA\_V

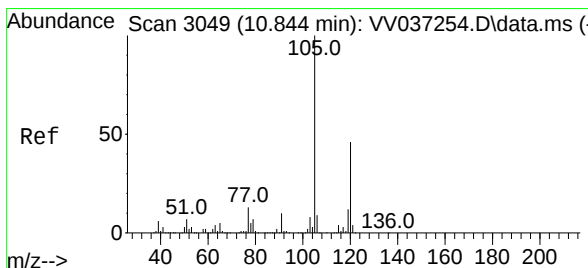
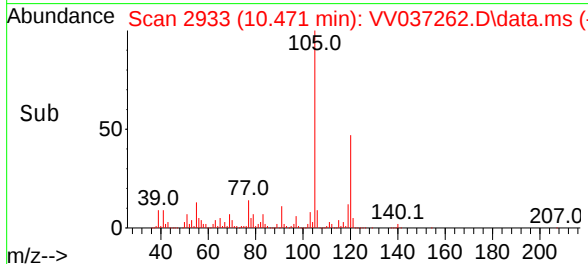
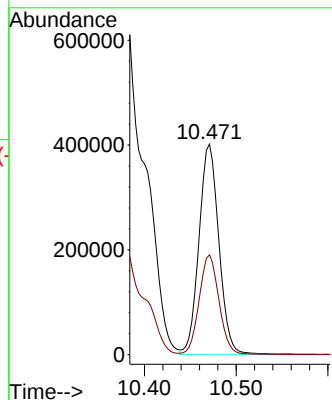
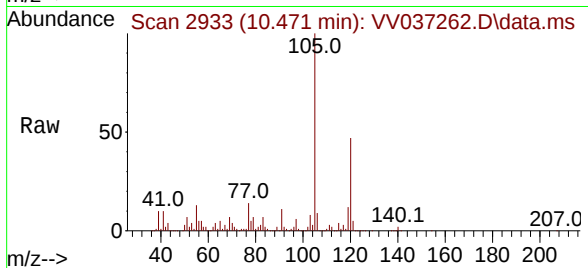
ClientSampleId :

Tgt Ion:105 Resp: 602965

Ion Ratio Lower Upper

105 100

120 47.4 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 84.965 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VV037262.D

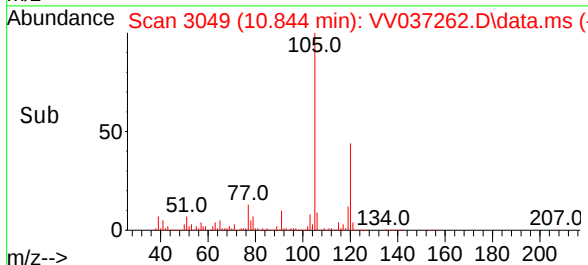
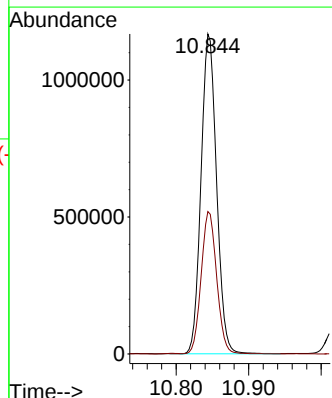
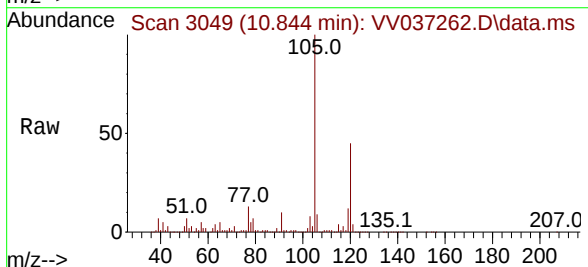
Acq: 12 Sep 2024 12:30

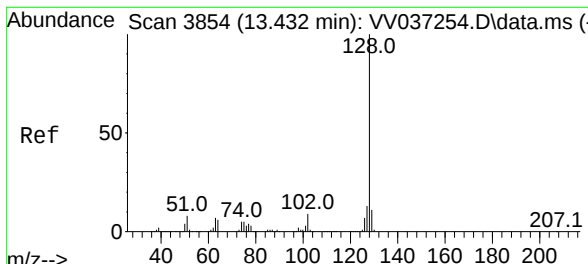
Tgt Ion:105 Resp: 1735193

Ion Ratio Lower Upper

105 100

120 44.2 35.8 53.6





#71  
 Naphthalene  
 Concen: 12.135 ug/L  
 RT: 13.432 min Scan# 3854  
 Delta R.T. -0.000 min  
 Lab File: VV037262.D  
 Acq: 12 Sep 2024 12:30

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion:128 Resp: 265182

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.2  | 15.2  |
| 129 | 12.9  | 8.8   | 13.2  |

