

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092424\  
 Data File : VV037498.D  
 Acq On : 24 Sep 2024 11:39  
 Operator : SY/MD  
 Sample : P4081-09DL 5X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

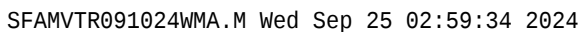
Instrument :  
 MSVOA\_V  
 ClientSampleId :

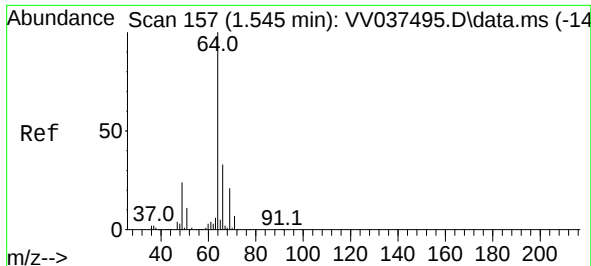
Quant Time: Sep 25 02:59:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 25 02:58:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 418720   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.779  | 117   | 407745   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 217233   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 100954   | 4.110    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.200%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 90717    | 3.542    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 70.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 46611    | 3.674    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.400%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 334686   | 45.589   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.180%  |
| 24) Chloroform-d              | 4.239  | 84    | 238062   | 3.992    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 116915   | 4.187    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.800%  |
| 32) Benzene-d6                | 4.950  | 84    | 488992   | 4.473    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 165273   | 4.861    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.200%  |
| 41) Toluene-d8                | 7.239  | 98    | 434741   | 4.414    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.200%  |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79    | 57357    | 5.129    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 102.600% |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 300265   | 54.955   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 109.900% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 131170   | 4.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.557 | 152   | 179409   | 4.645    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 8) Chloroethane               | 1.548  | 64    | 48891    | 1.993    | ug/L   | 100      |
| 16) Methylene chloride        | 2.442  | 84    | 6984     | 0.207    | ug/L   | 89       |
| 30) Cyclohexane               | 4.567  | 56    | 139332   | 2.971    | ug/L   | 98       |
| 33) Benzene                   | 5.002  | 78    | 315761   | 2.570    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.040  | 83    | 133657   | 2.656    | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 7.709  | 97    | 10980    | 0.491    | ug/L # | 19       |
| 48) 2-Hexanone                | 8.030  | 43    | 34398    | 2.630    | ug/L # | 70       |
| 52) Ethylbenzene              | 8.947  | 91    | 125250   | 0.878    | ug/L   | 100      |
| 53) m,p-Xylene                | 9.079  | 106   | 17241    | 0.329    | ug/L   | 95       |
| 60) Isopropylbenzene          | 9.860  | 105   | 1460478  | 10.045   | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.281 | 75    | 13191    | 0.667    | ug/L # | 1        |
| 62) 1,3,5-Trimethylbenzene    | 11.268 | 105   | 428835   | 3.719    | ug/L   | 91       |
| 63) 1,2,4-Trimethylbenzene    | 11.268 | 105   | 428835   | 3.703    | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.348 | 75    | 3723     | 0.908    | ug/L # | 5        |
| 71) Naphthalene               | 13.432 | 128   | 894201   | 14.501   | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

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

Quant Time: Sep 25 02:59:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 25 02:58:03 2024  
Response via : Initial Calibration

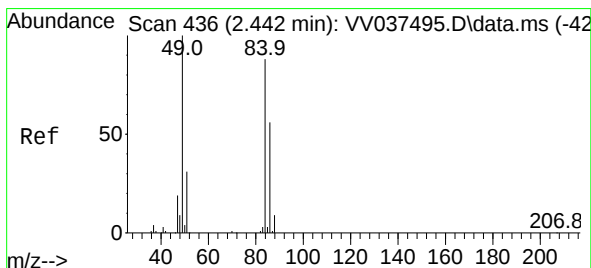
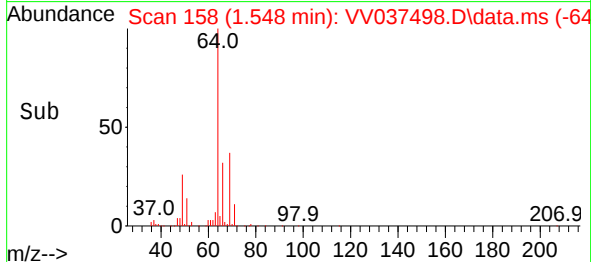
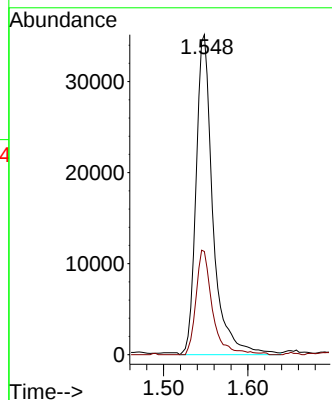
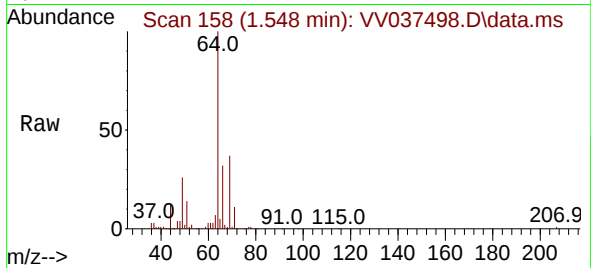




#8  
Chloroethane  
Concen: 1.993 ug/L  
RT: 1.548 min Scan# 157  
Delta R.T. 0.003 min  
Lab File: VV037498.D  
Acq: 24 Sep 2024 11:39

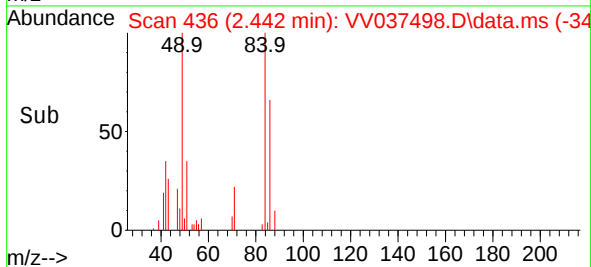
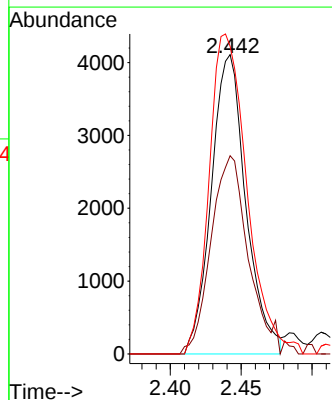
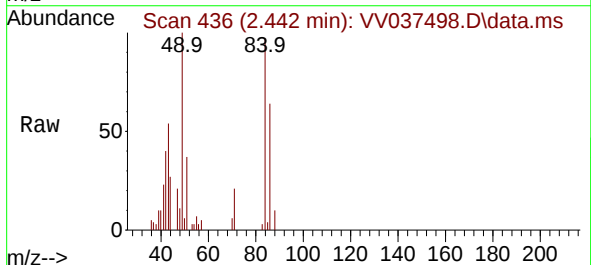
Instrument :  
MSVOA\_V  
ClientSampleId :

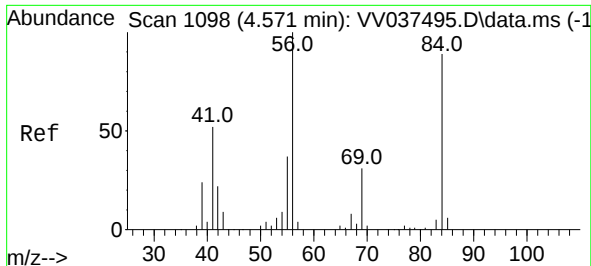
Tgt Ion: 64 Resp: 48891  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.7 42.1



#16  
Methylene chloride  
Concen: 0.207 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VV037498.D  
Acq: 24 Sep 2024 11:39

Tgt Ion: 84 Resp: 6984  
Ion Ratio Lower Upper  
84 100  
86 66.2 44.0 81.8  
49 102.8 83.0 154.1





#30

Cyclohexane

Concen: 2.971 ug/L

RT: 4.567 min Scan# 1097

Delta R.T. -0.003 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Instrument :

MSVOA\_V

ClientSampleId :

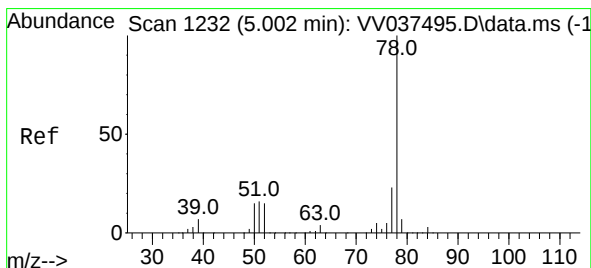
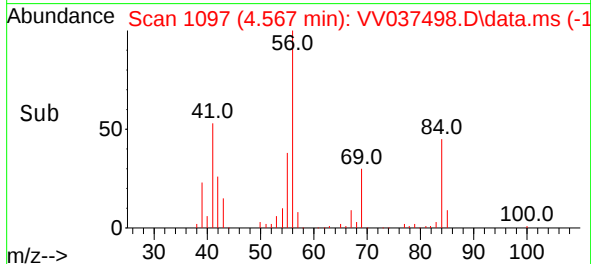
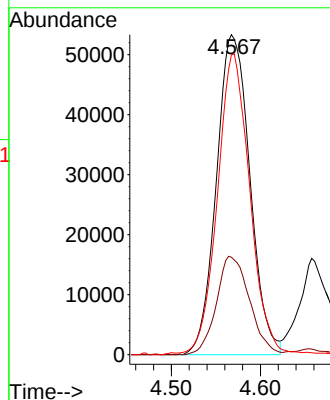
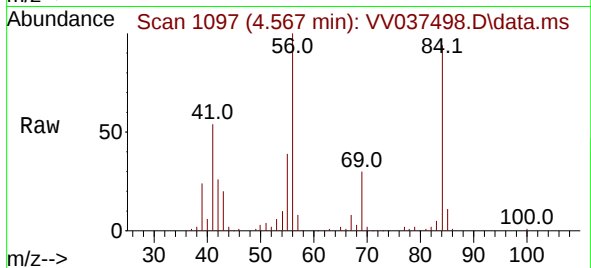
Tgt Ion: 56 Resp: 139332

Ion Ratio Lower Upper

56 100

69 30.4 24.1 36.1

84 89.3 73.1 109.7



#33

Benzene

Concen: 2.570 ug/L

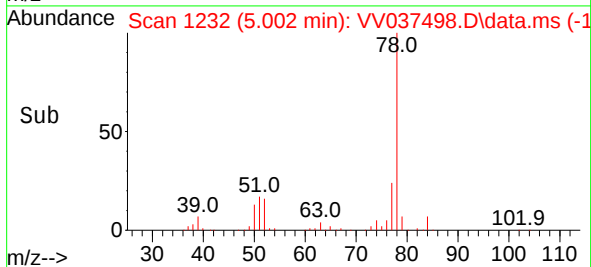
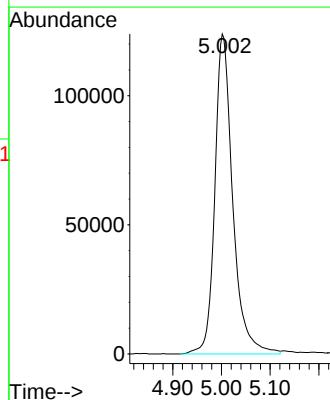
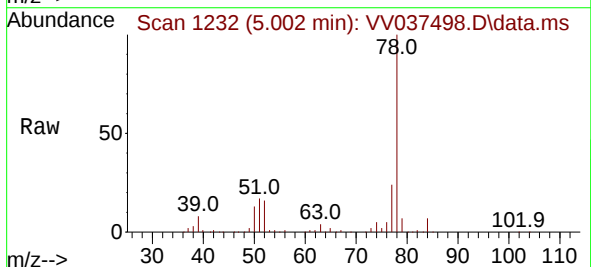
RT: 5.002 min Scan# 1232

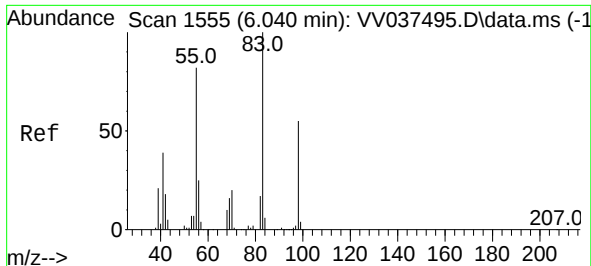
Delta R.T. -0.000 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Tgt Ion: 78 Resp: 315761





#35

Methylcyclohexane

Concen: 2.656 ug/L

RT: 6.040 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Instrument :

MSVOA\_V

ClientSampleId :

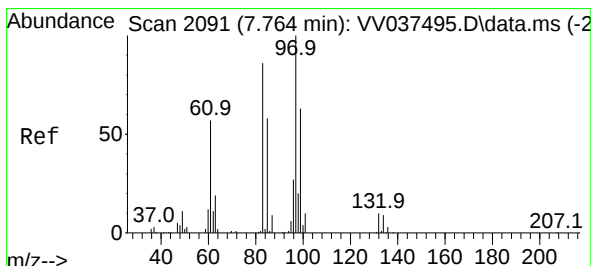
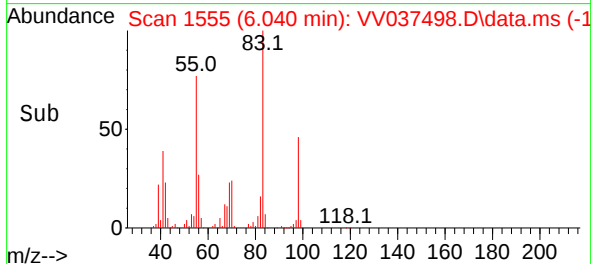
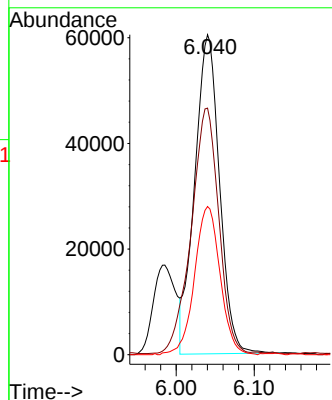
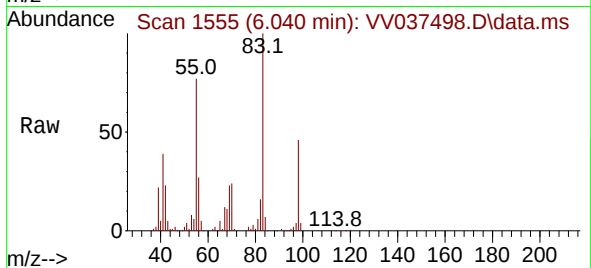
Tgt Ion: 83 Resp: 133657

Ion Ratio Lower Upper

83 100

55 85.0 60.3 90.5

98 47.8 38.2 57.4



#45

1,1,2-Trichloroethane

Concen: 0.491 ug/L

RT: 7.709 min Scan# 2074

Delta R.T. -0.055 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Tgt Ion: 97 Resp: 10980

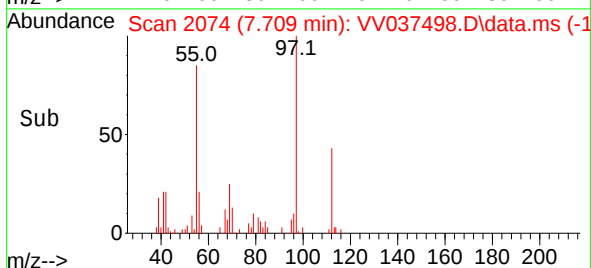
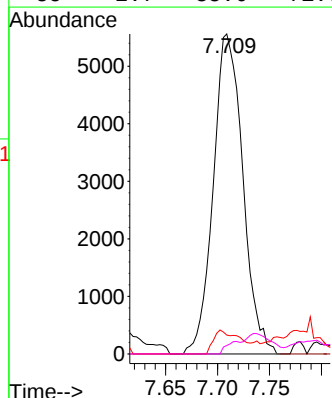
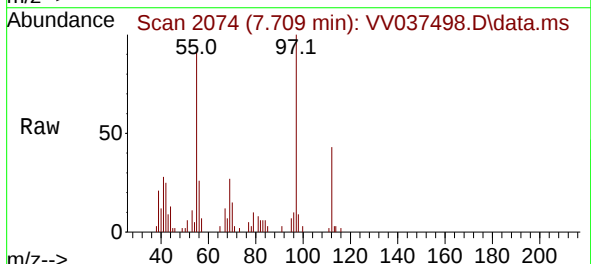
Ion Ratio Lower Upper

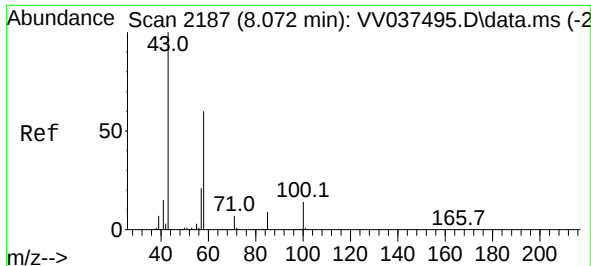
97 100

99 0.0 43.1 80.1#

83 5.9 61.0 113.4#

85 2.7 38.6 71.6#





#48

2-Hexanone

Concen: 2.630 ug/L

RT: 8.030 min Scan# 2187

Delta R.T. -0.042 min

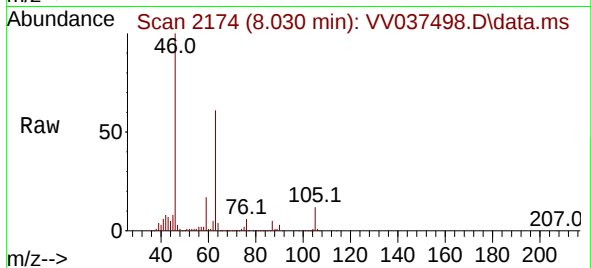
Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 43 Resp: 34398

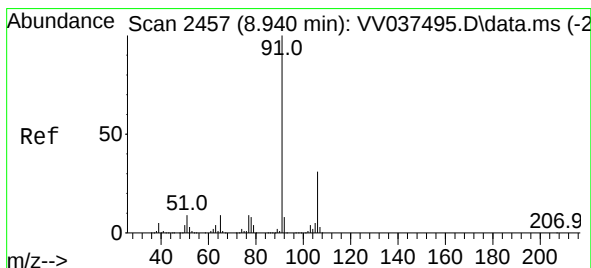
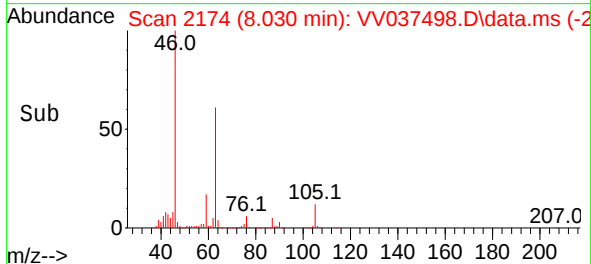
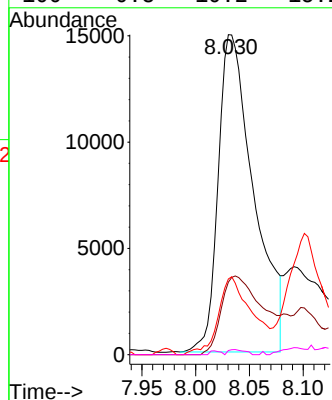
Ion Ratio Lower Upper

43 100

58 29.1 45.5 68.3#

57 23.1 15.3 22.9#

100 0.8 10.2 15.2#



#52

Ethylbenzene

Concen: 0.878 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.006 min

Lab File: VV037498.D

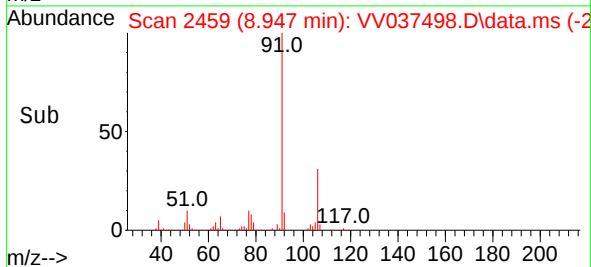
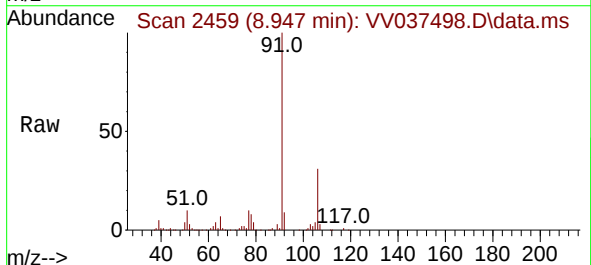
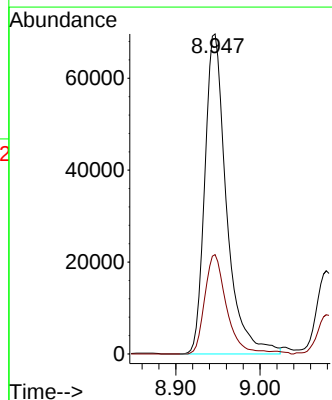
Acq: 24 Sep 2024 11:39

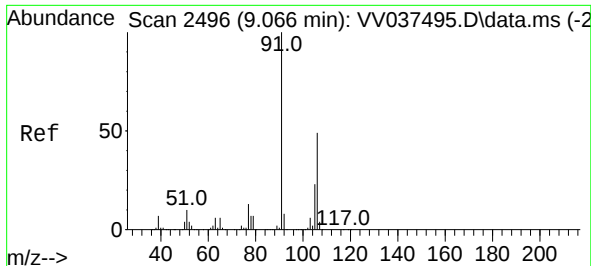
Tgt Ion: 91 Resp: 125250

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3

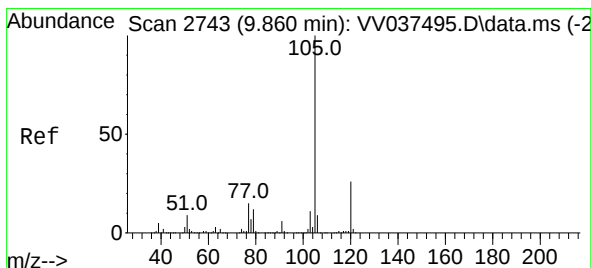
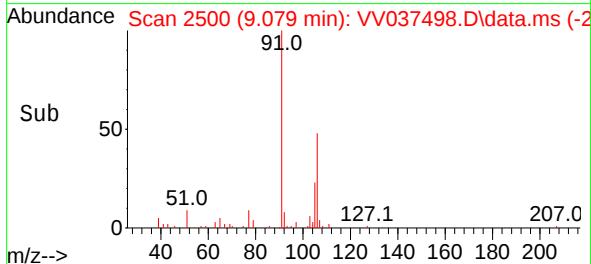
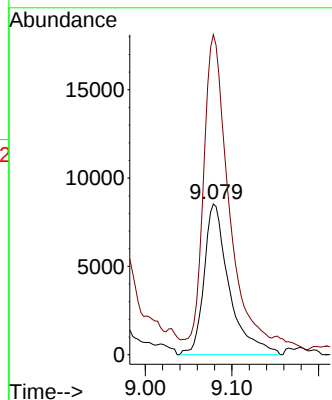
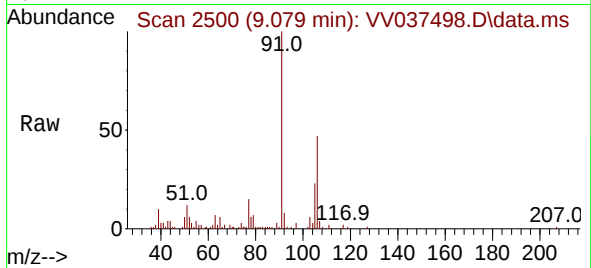




#53  
m,p-Xylene  
Concen: 0.329 ug/L  
RT: 9.079 min Scan# 2496  
Delta R.T. 0.013 min  
Lab File: VV037498.D  
Acq: 24 Sep 2024 11:39

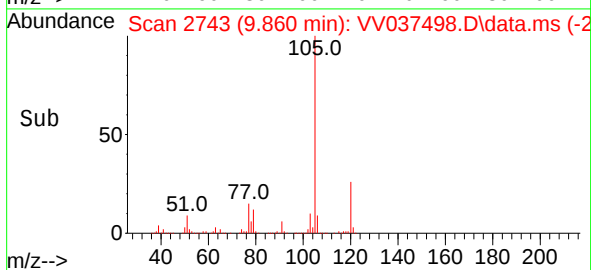
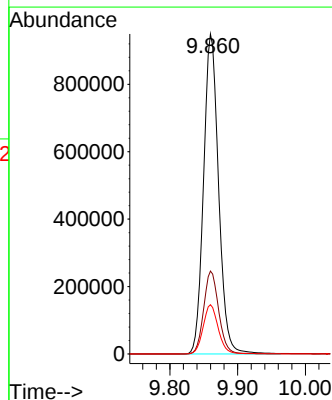
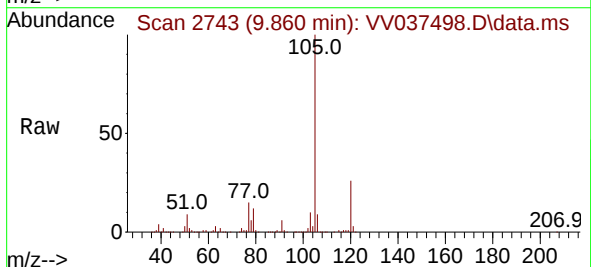
Instrument :  
MSVOA\_V  
ClientSampleId :

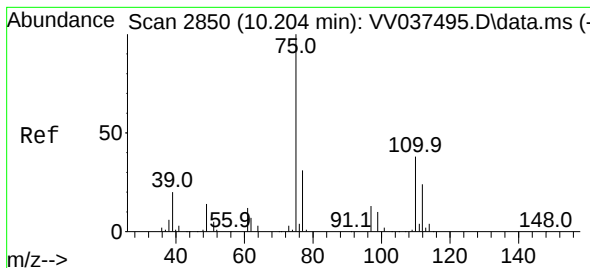
Tgt Ion:106 Resp: 17241  
Ion Ratio Lower Upper  
106 100  
91 212.2 143.3 266.1



#60  
Isopropylbenzene  
Concen: 10.045 ug/L  
RT: 9.860 min Scan# 2743  
Delta R.T. -0.000 min  
Lab File: VV037498.D  
Acq: 24 Sep 2024 11:39

Tgt Ion:105 Resp: 1460478  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.2 30.4  
77 15.5 12.7 19.1





#61

1,2,3-Trichloropropane

Concen: 0.667 ug/L

RT: 10.281 min Scan# 21

Delta R.T. 0.077 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Instrument :

MSVOA\_V

ClientSampleId :

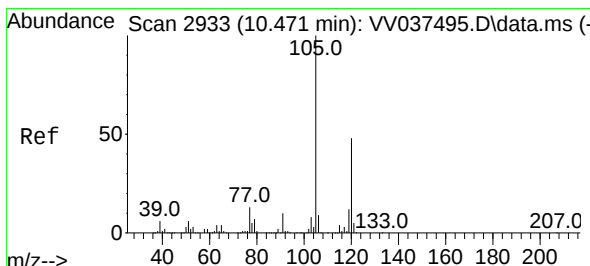
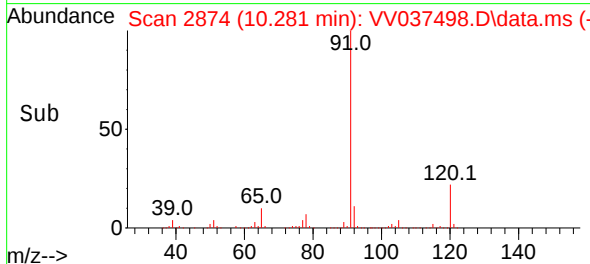
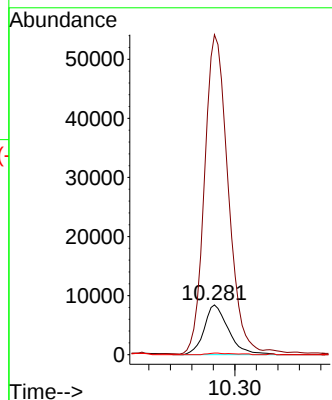
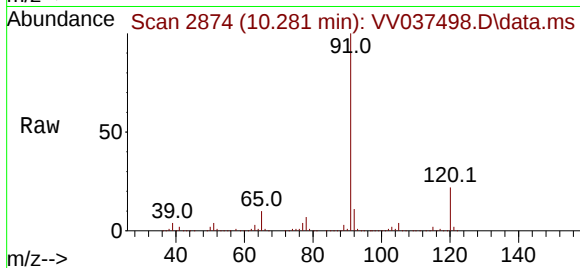
Tgt Ion: 75 Resp: 13191

Ion Ratio Lower Upper

75 100

77 622.3 25.6 38.4#

110 2.9 31.0 46.4#



#62

1,3,5-Trimethylbenzene

Concen: 3.719 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.797 min

Lab File: VV037498.D

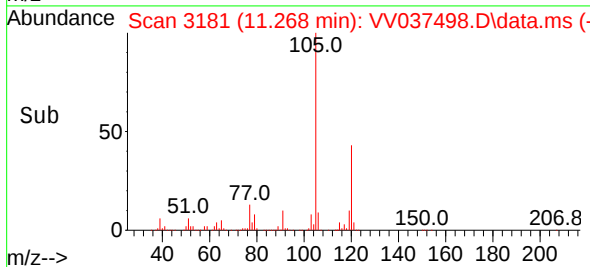
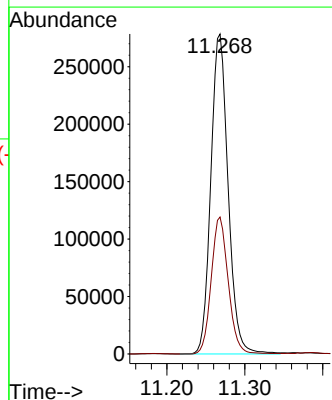
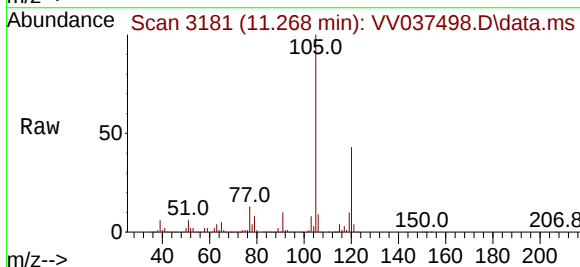
Acq: 24 Sep 2024 11:39

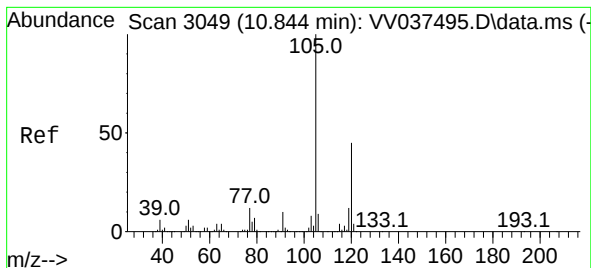
Tgt Ion:105 Resp: 428835

Ion Ratio Lower Upper

105 100

120 42.1 38.6 57.8





#63

1,2,4-Trimethylbenzene

Concen: 3.703 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.424 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

Instrument :

MSVOA\_V

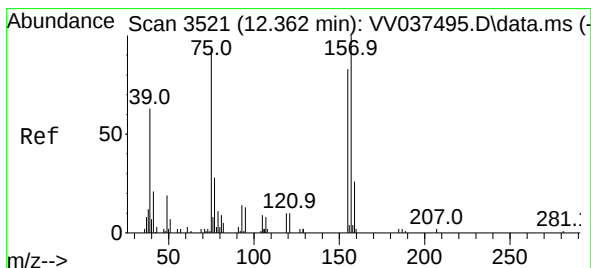
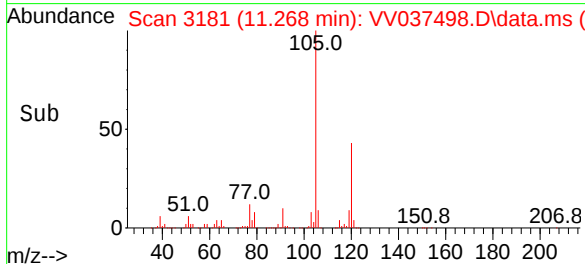
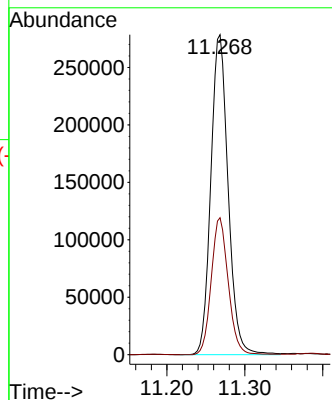
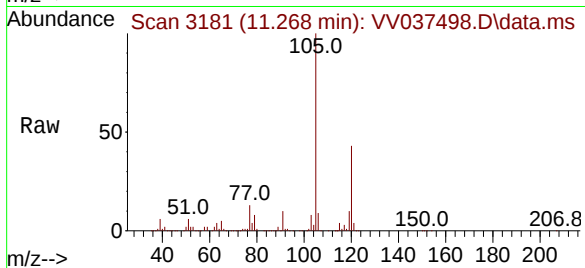
ClientSampleId :

Tgt Ion:105 Resp: 428835

Ion Ratio Lower Upper

105 100

120 42.1 36.2 54.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.908 ug/L

RT: 12.348 min Scan# 3517

Delta R.T. -0.013 min

Lab File: VV037498.D

Acq: 24 Sep 2024 11:39

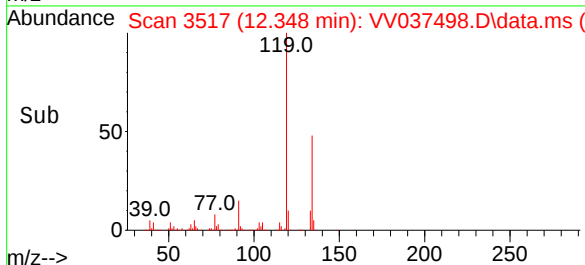
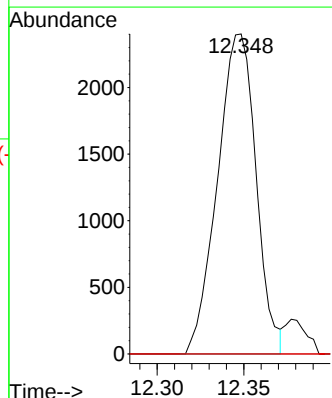
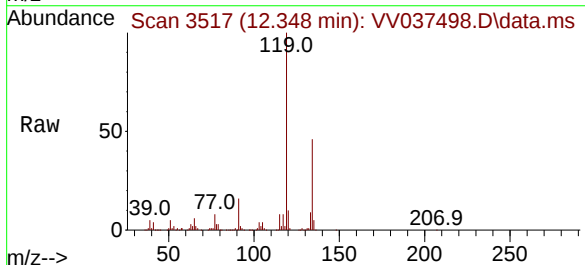
Tgt Ion: 75 Resp: 3723

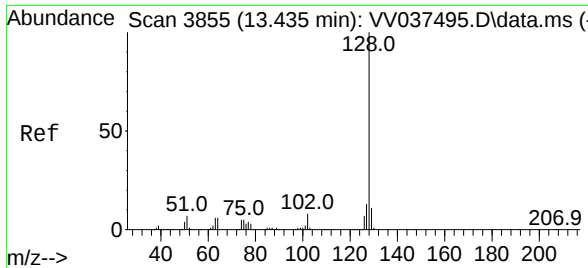
Ion Ratio Lower Upper

75 100

155 0.0 60.6 90.8#

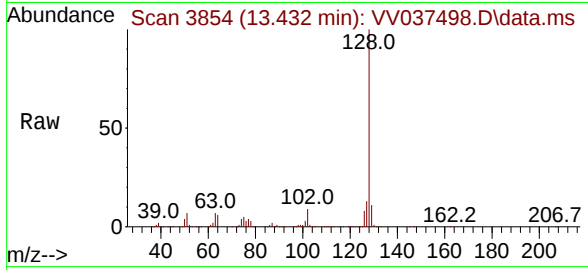
157 0.0 81.1 121.7#





#71  
Naphthalene  
Concen: 14.501 ug/L  
RT: 13.432 min Scan# 3854  
Delta R.T. -0.003 min  
Lab File: VV037498.D  
Acq: 24 Sep 2024 11:39

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 894201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.1  | 8.6   | 12.8  |
| 127 | 12.4  | 10.2  | 15.2  |

