

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040324\  
 Data File : VV034951.D  
 Acq On : 03 Apr 2024 12:43  
 Operator : SY/MD  
 Sample : P1925-07DL 200X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

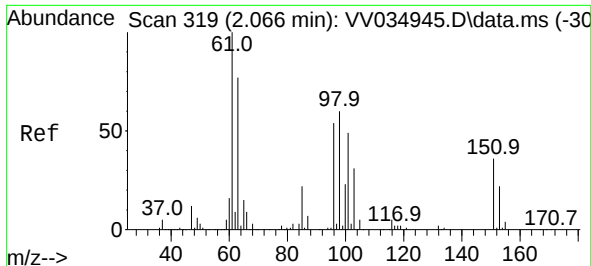
Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 04 02:52:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 04 02:49:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 172656   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 177290   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 77329    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 68382    | 4.806    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.200%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 57860    | 4.932    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 31520    | 4.877    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 97.600%  |
| 20) 2-Butanone-d5             | 3.844  | 46    | 94825    | 42.592   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.180%  |
| 24) Chloroform-d              | 4.249  | 84    | 115858   | 5.032    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 56642    | 5.448    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.000% |
| 32) Benzene-d6                | 4.960  | 84    | 232293   | 5.009    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.200% |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 71909    | 5.283    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.600% |
| 41) Toluene-d8                | 7.246  | 98    | 193027   | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.600%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 21534    | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.000%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 66920    | 40.324   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 80.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 46199    | 4.864    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 66591    | 5.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 14786    | 1.128    | ug/L # | 1        |
| 16) Methylene chloride        | 2.449  | 84    | 3900     | 0.271    | ug/L   | 81       |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 221124   | 8.626    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.822  | 96    | 18374    | 1.350    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.066  | 62    | 1801     | 0.126    | ug/L # | 75       |
| 34) Trichloroethene           | 5.838  | 95    | 32648    | 2.309    | ug/L   | 94       |
| 35) Methylcyclohexane         | 5.989  | 83    | 17213    | 0.799    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 5.992  | 63    | 7771     | 0.552    | ug/L # | 87       |
| 48) 2-Hexanone                | 8.088  | 43    | 17906    | 3.735    | ug/L # | 94       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146   | 4183     | 0.169    | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180   | 3502     | 0.243    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

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





#12

1,1-Dichloroethene

Concen: 1.128 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

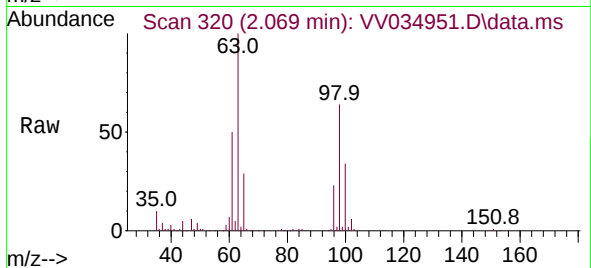
Lab File: VV034951.D

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ClientSampleId :



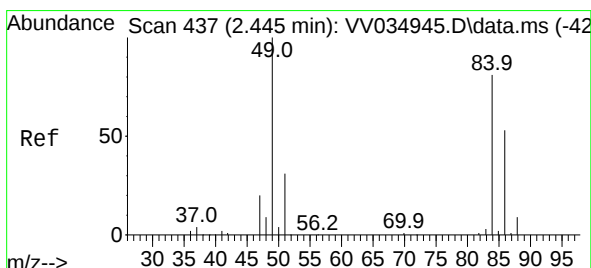
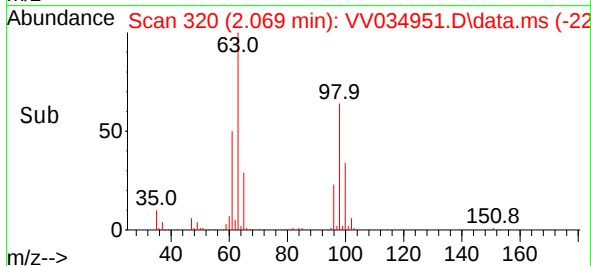
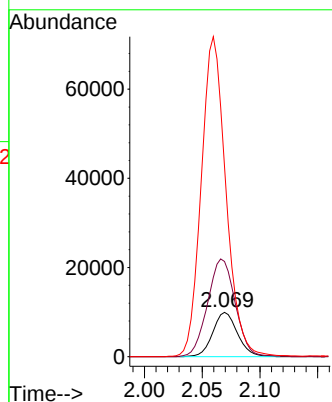
Tgt Ion: 96 Resp: 14786

Ion Ratio Lower Upper

96 100

61 214.5 128.1 237.9

63 428.2 93.5 173.7#



#16

Methylene chloride

Concen: 0.271 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV034951.D

Acq: 03 Apr 2024 12:43

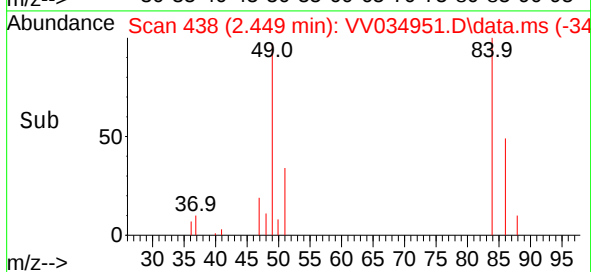
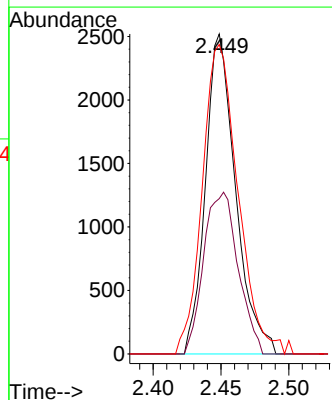
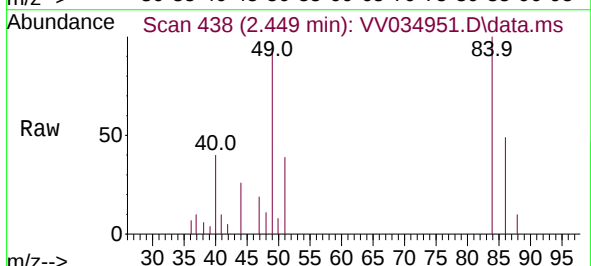
Tgt Ion: 84 Resp: 3900

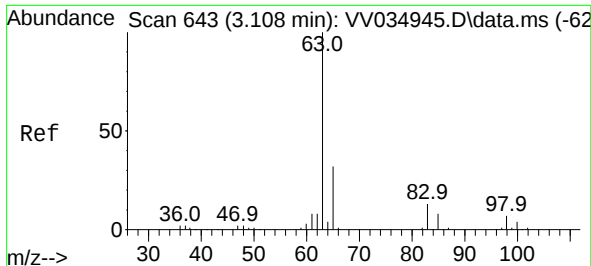
Ion Ratio Lower Upper

84 100

86 48.5 43.5 80.9

49 96.7 82.5 153.3





#19

1,1-Dichloroethane

Concen: 8.626 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.003 min

Lab File: VV034951.D

Acq: 03 Apr 2024 12:43

Instrument :

MSVOA\_V

ClientSampleId :

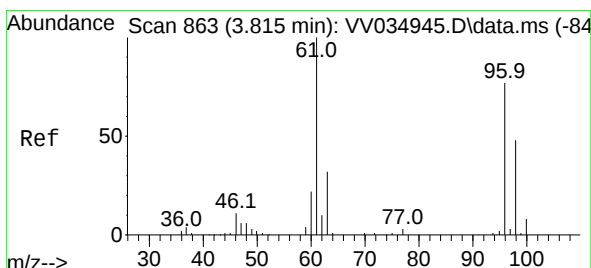
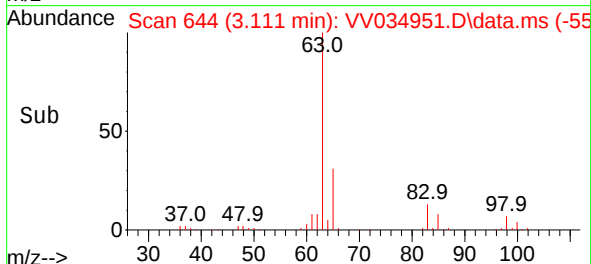
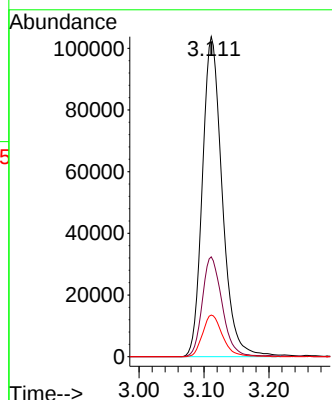
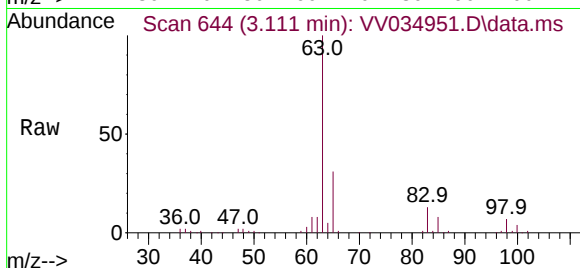
Tgt Ion: 63 Resp: 221124

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.9

83 13.0 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 1.350 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.006 min

Lab File: VV034951.D

Acq: 03 Apr 2024 12:43

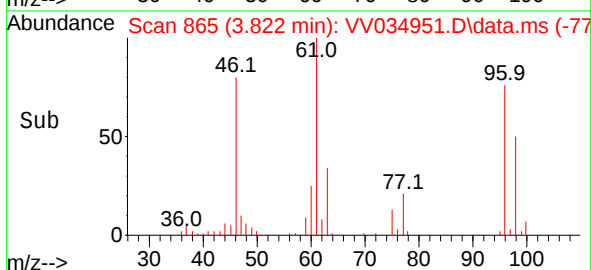
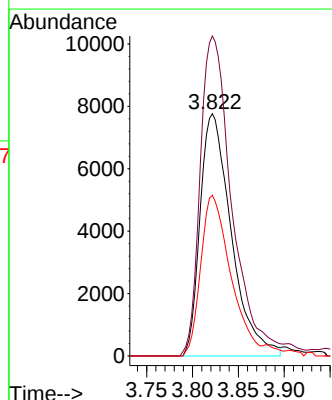
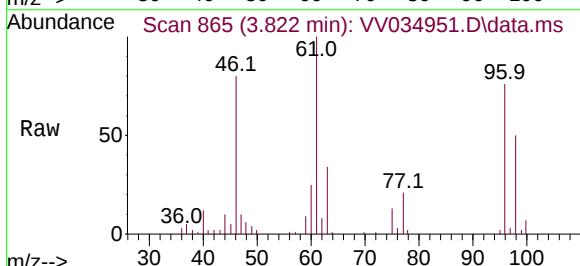
Tgt Ion: 96 Resp: 18374

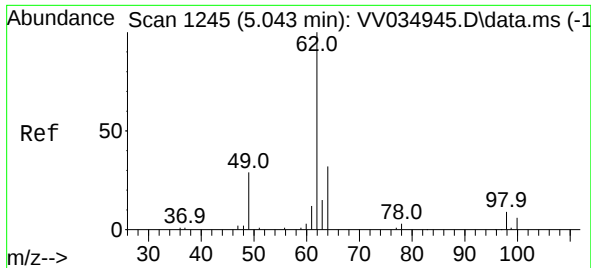
Ion Ratio Lower Upper

96 100

61 132.1 90.3 167.7

98 66.4 42.7 79.3

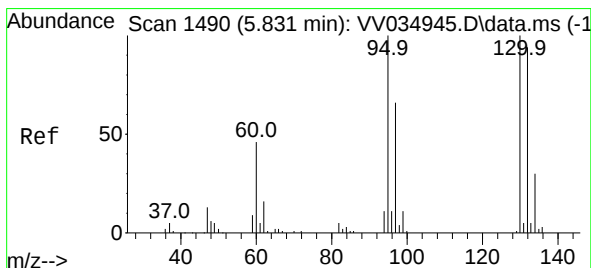
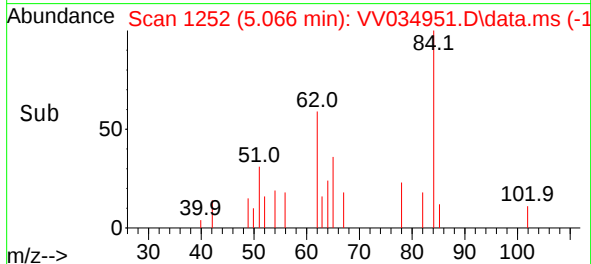
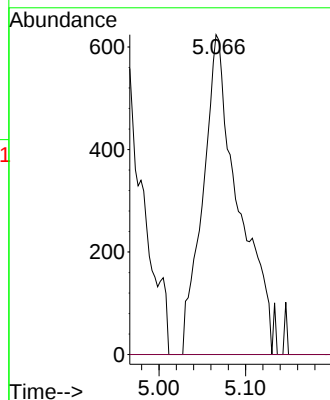
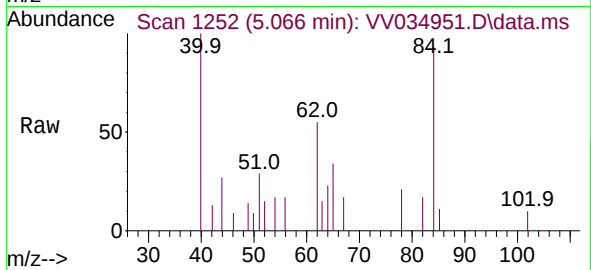




#27  
1,2-Dichloroethane  
Concen: 0.126 ug/L  
RT: 5.066 min Scan# 1491  
Delta R.T. 0.023 min  
Lab File: VV034951.D  
Acq: 03 Apr 2024 12:43

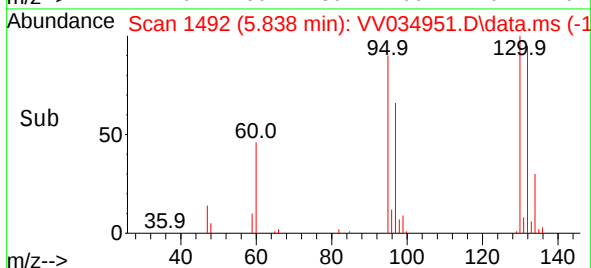
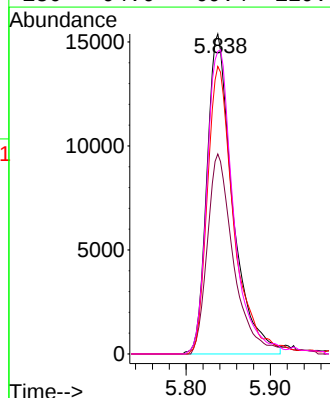
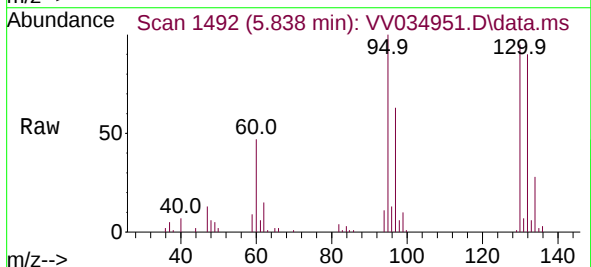
Instrument :  
MSVOA\_V  
ClientSampleId :

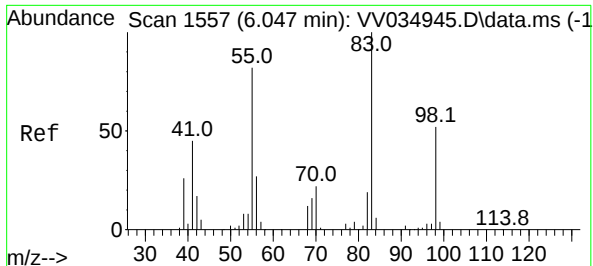
Tgt Ion: 62 Resp: 1801  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.4 11.0#



#34  
Trichloroethene  
Concen: 2.309 ug/L  
RT: 5.838 min Scan# 1492  
Delta R.T. 0.006 min  
Lab File: VV034951.D  
Acq: 03 Apr 2024 12:43

Tgt Ion: 95 Resp: 32648  
Ion Ratio Lower Upper  
95 100  
97 62.5 46.8 86.8  
132 89.9 68.0 126.4  
130 94.6 69.4 129.0





#35

Methylcyclohexane

Concen: 0.799 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.058 min

Lab File: VV034951.D

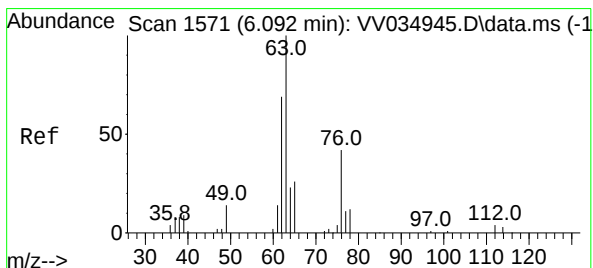
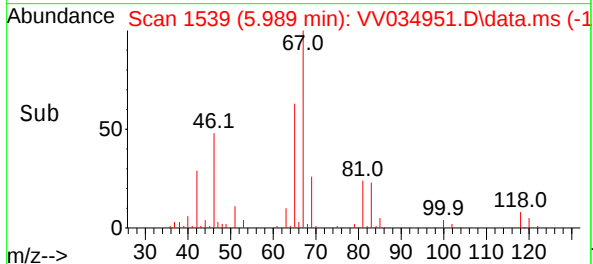
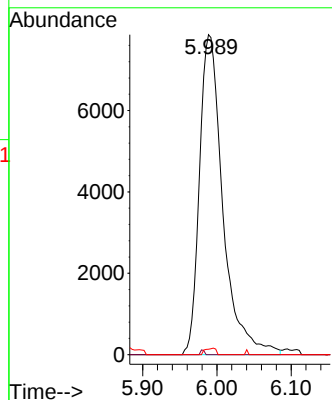
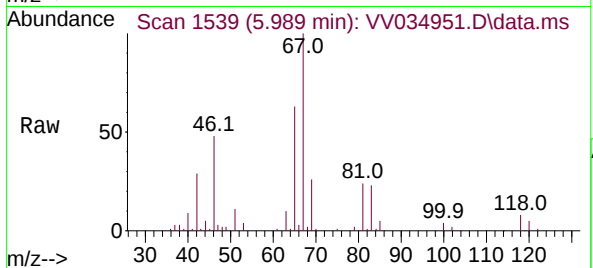
Acq: 03 Apr 2024 12:43

Instrument :

MSVOA\_V

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 17213 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 0.2   | 60.6  | 91.0# |
| 98        | 0.9   | 37.8  | 56.6# |



#37

1,2-Dichloropropane

Concen: 0.552 ug/L

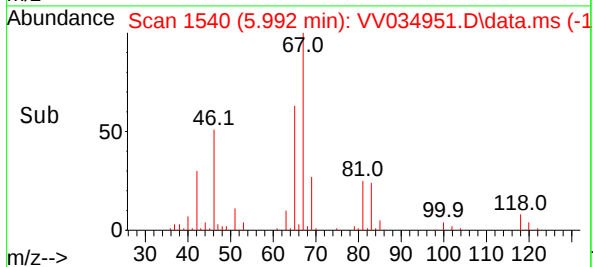
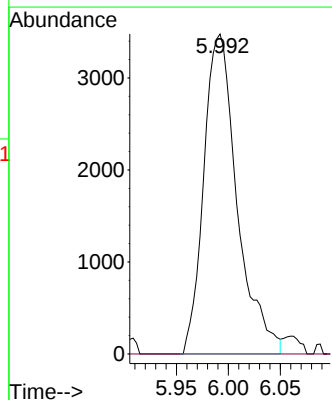
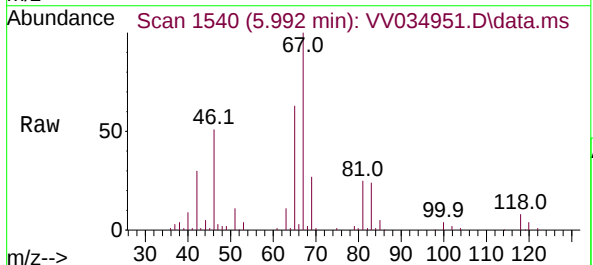
RT: 5.992 min Scan# 1540

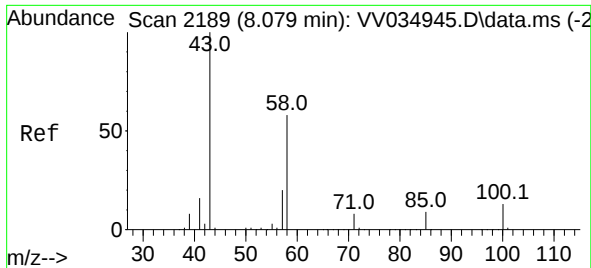
Delta R.T. -0.100 min

Lab File: VV034951.D

Acq: 03 Apr 2024 12:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 7771 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 112       | 0.0   | 3.5   | 5.3# |



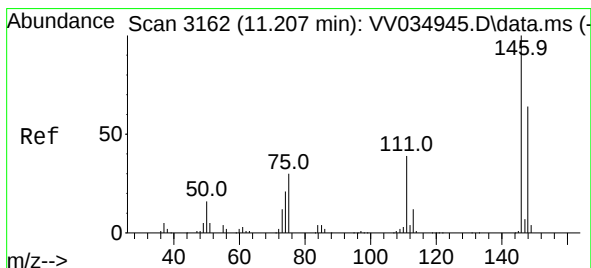
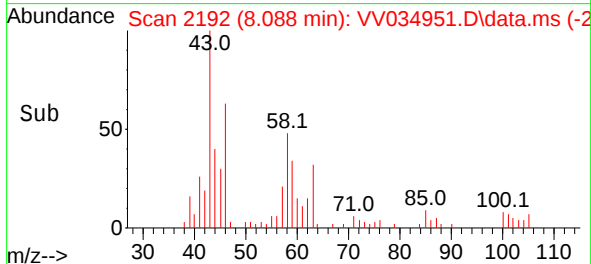
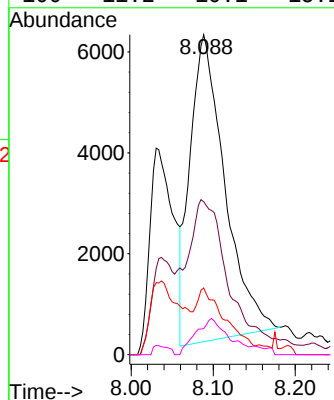
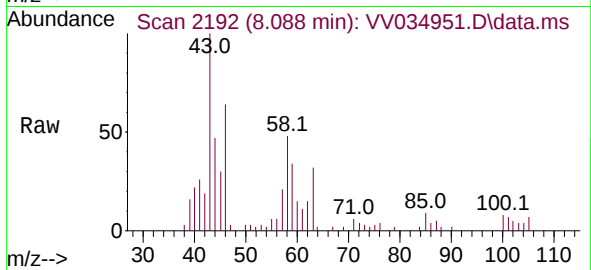


#48  
2-Hexanone  
Concen: 3.735 ug/L  
RT: 8.088 min Scan# 2189  
Delta R.T. 0.010 min  
Lab File: VV034951.D  
Acq: 03 Apr 2024 12:43

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 17906

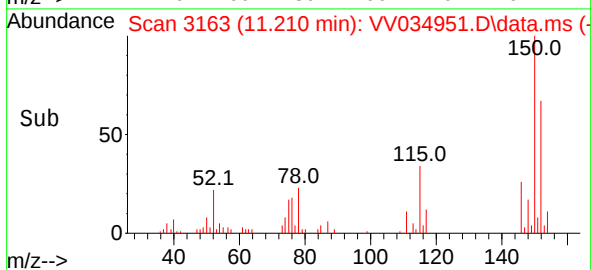
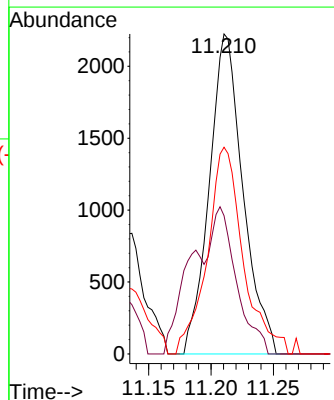
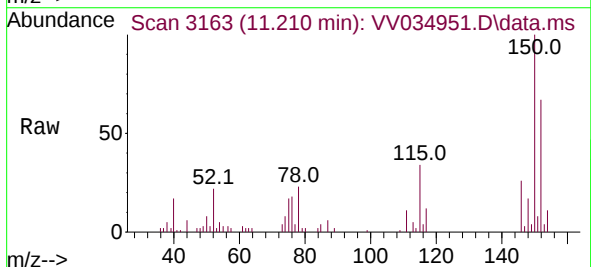
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 56.5  | 48.2  | 72.4  |
| 57  | 15.1  | 15.6  | 23.4  |
| 100 | 11.2  | 10.1  | 15.1  |

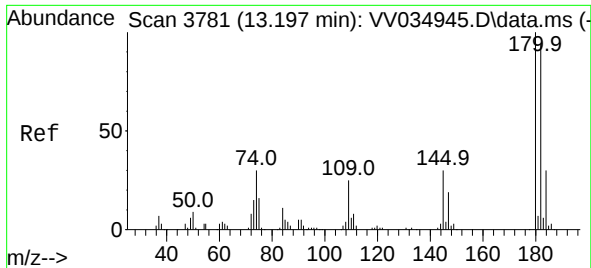


#65  
1,4-Dichlorobenzene  
Concen: 0.169 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV034951.D  
Acq: 03 Apr 2024 12:43

Tgt Ion: 146 Resp: 4183

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 43.2  | 27.3  | 50.7  |
| 148 | 64.6  | 43.5  | 80.7  |





#70

1,2,4-trichlorobenzene

Concen: 0.243 ug/L

RT: 13.207 min Scan# 31

Delta R.T. 0.010 min

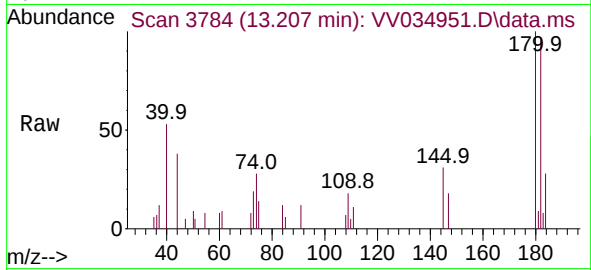
Lab File: VV034951.D

Acq: 03 Apr 2024 12:43

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 3502

Ion Ratio Lower Upper

180 100

182 97.5 75.3 112.9

145 31.4 23.4 35.0

