

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV121125\  
 Data File : VV039542.D  
 Acq On : 11 Dec 2025 15:29  
 Operator : SY/MD  
 Sample : Q3835-07  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

Quant Time: Dec 12 00:49:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVSIM120325MA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Dec 09 08:40:48 2025  
 Response via : Initial Calibration

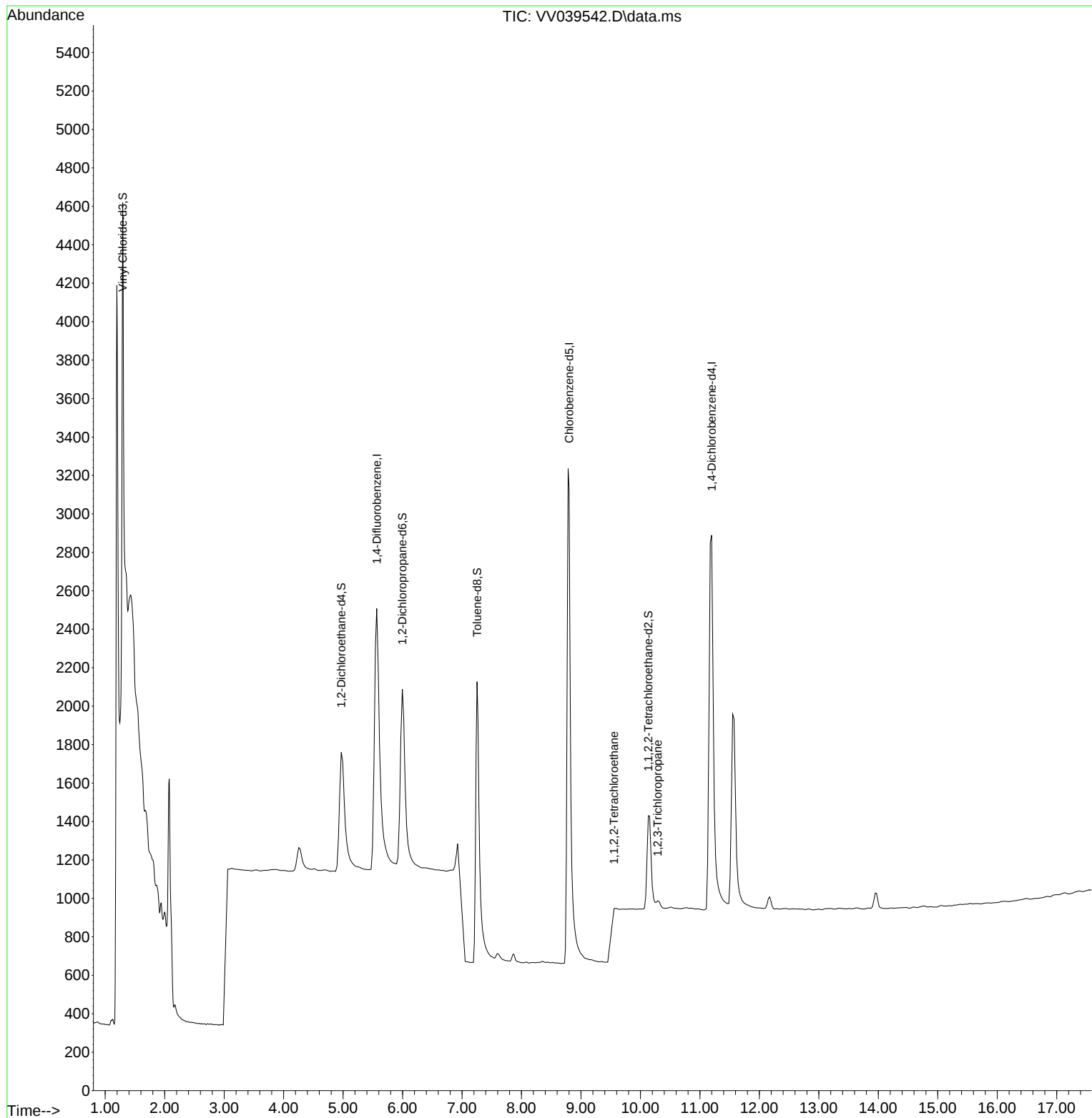
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.566  | 114   | 6196     | 0.500    | ug/L   | 0.00     |
| 5) Chlorobenzene-d5           | 8.800  | 117   | 5919     | 0.500    | ug/L   | 0.02     |
| 12) 1,4-Dichlorobenzene-d4    | 11.197 | 152   | 3051     | 0.500    | ug/L   | 0.02     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 2) Vinyl Chloride-d3          | 1.294  | 65    | 3213     | 0.528    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 40 - 130 | Recovery | =      | 106.000% |
| 4) 1,2-Dichloroethane-d4      | 4.969  | 65    | 1775     | 0.430    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 7) 1,2-Dichloropropane-d6     | 5.995  | 67    | 2021     | 0.405    | ug/L   | -0.02    |
| Spiked Amount                 | 0.500  | Range | 60 - 140 | Recovery | =      | 80.000%  |
| 8) Toluene-d8                 | 7.253  | 98    | 3791     | 0.450    | ug/L   | 0.02     |
| Spiked Amount                 | 0.500  | Range | 70 - 130 | Recovery | =      | 90.000%  |
| 10) 1,1,2,2-Tetrachloroeth... | 10.133 | 84    | 1454     | 0.517    | ug/L   | 0.00     |
| Spiked Amount                 | 0.500  | Range | 65 - 120 | Recovery | =      | 104.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) 1,1,2,2-Tetrachloroethane | 9.556  | 83    | 905      | 0.152    | ug/L # | 41       |
| 13) 1,2,3-Trichloropropane    | 10.288 | 75    | 67       | 0.021    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

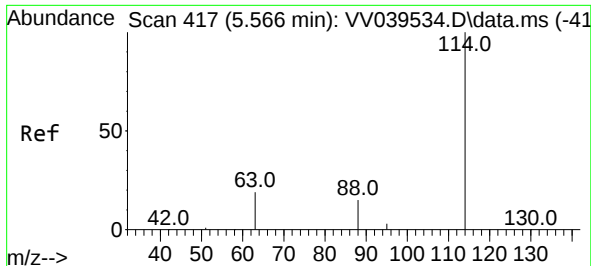
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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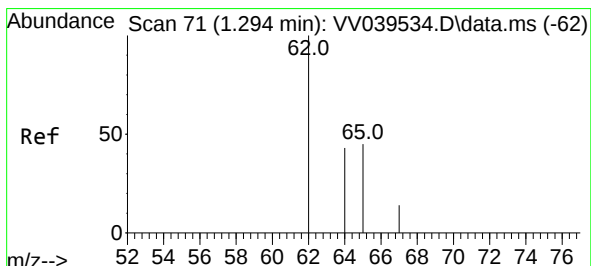
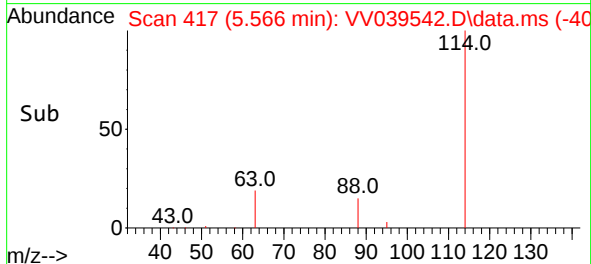
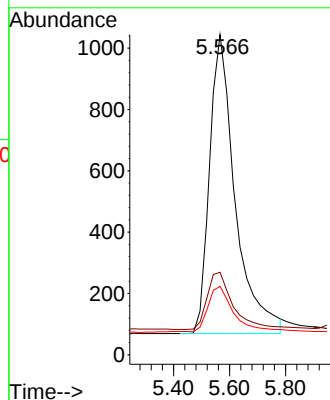
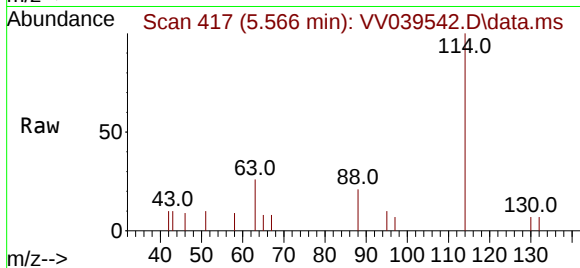




#1  
1,4-Difluorobenzene  
Concen: 0.500 ug/L  
RT: 5.566 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

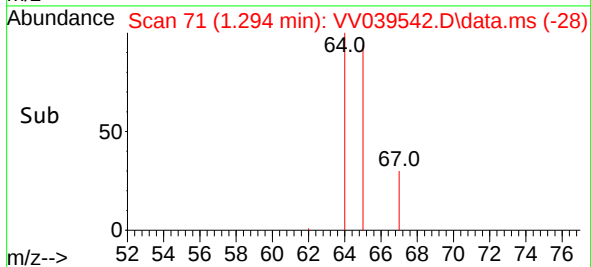
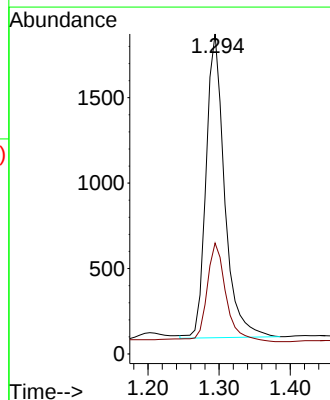
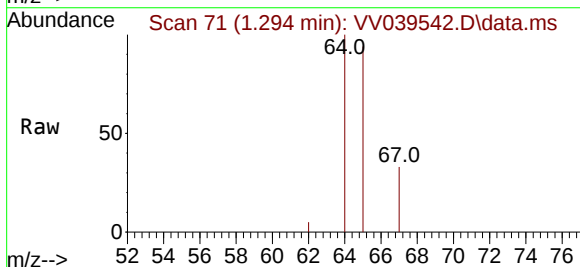
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

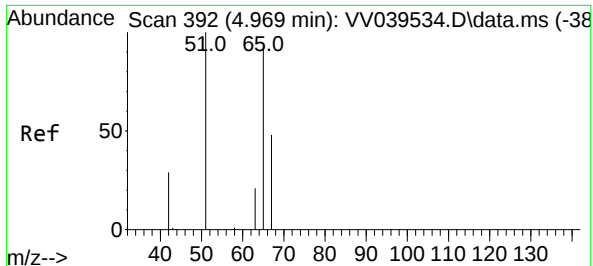
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 6196        |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 19.2  | 15.0 22.4   |
| 88          | 15.5  | 12.0 18.0   |



#2  
Vinyl Chloride-d3  
Concen: 0.528 ug/L  
RT: 1.294 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 65 | Resp: | 3213        |
| Ion         | Ratio | Lower Upper |
| 65          | 100   |             |
| 67          | 34.5  | 22.3 41.5   |

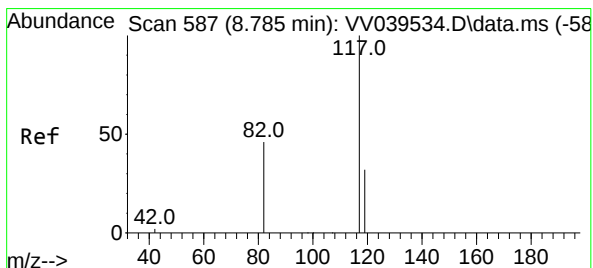
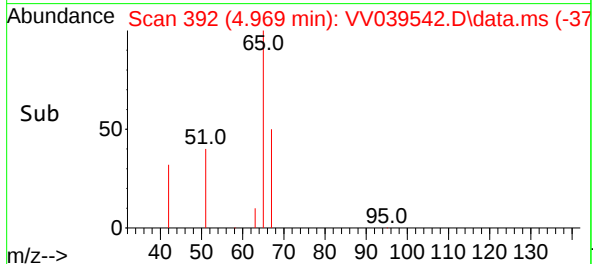
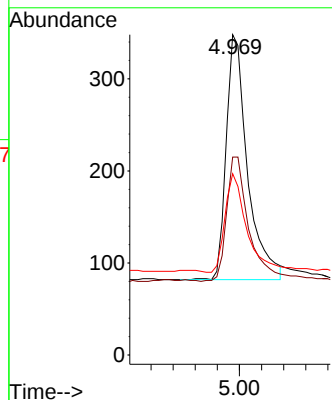
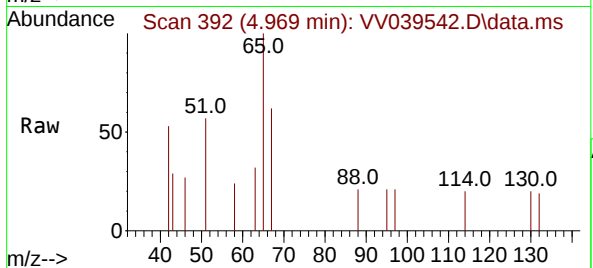




#4  
1,2-Dichloroethane-d4  
Concen: 0.430 ug/L  
RT: 4.969 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

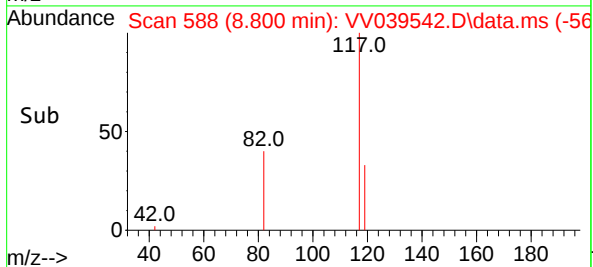
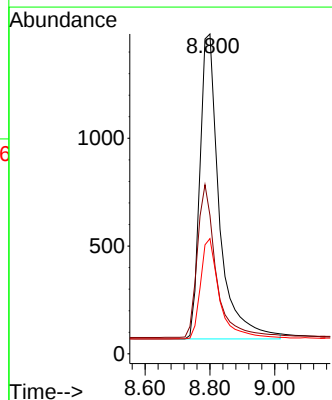
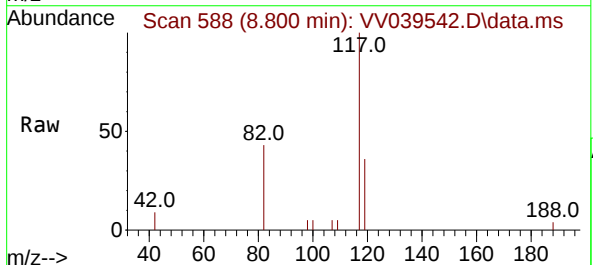
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

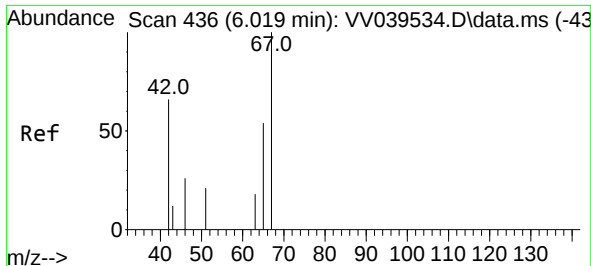
Tgt Ion: 65 Resp: 1775  
Ion Ratio Lower Upper  
65 100  
67 52.7 32.5 60.3  
51 40.7 121.4 225.6#



#5  
Chlorobenzene-d5  
Concen: 0.500 ug/L  
RT: 8.800 min Scan# 588  
Delta R.T. 0.015 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

Tgt Ion:117 Resp: 5919  
Ion Ratio Lower Upper  
117 100  
82 48.3 39.4 59.2  
119 32.5 26.2 39.2

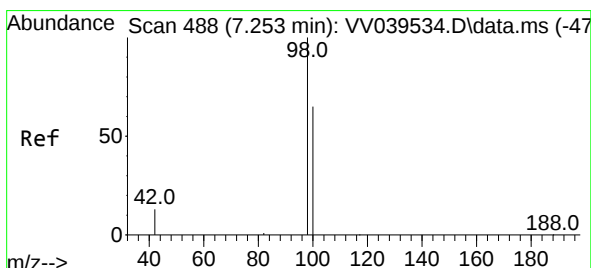
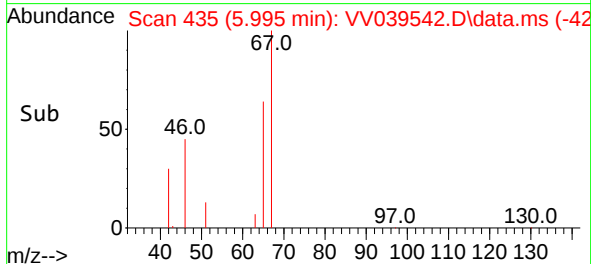
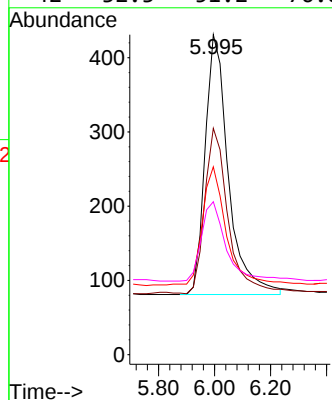
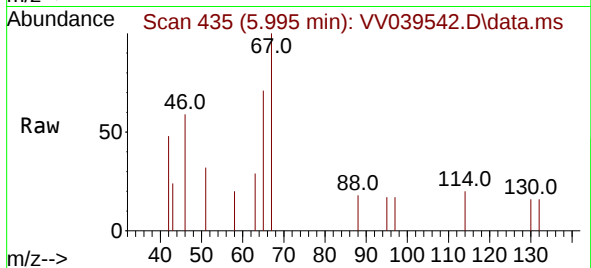




#7  
1,2-Dichloropropane-d6  
Concen: 0.405 ug/L  
RT: 5.995 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

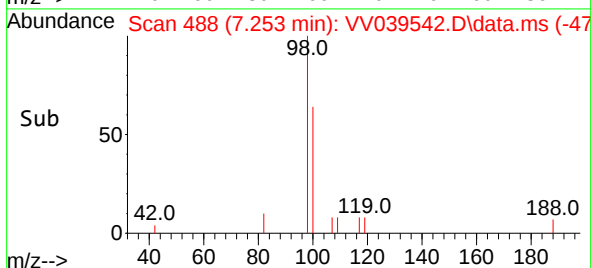
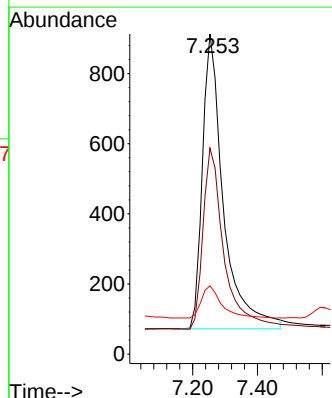
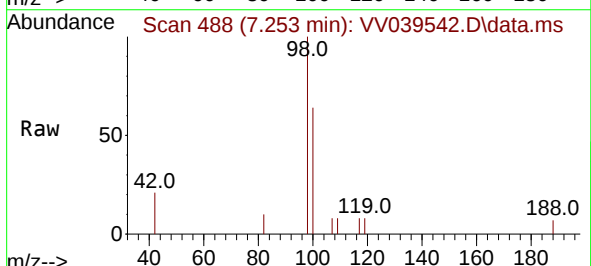
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

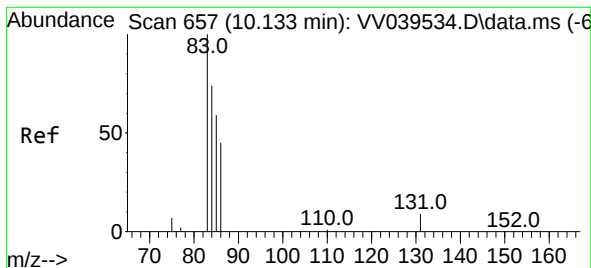
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 67    | Resp: | 2021  |
| Ion      | Ratio | Lower | Upper |
| 67       | 100   |       |       |
| 65       | 62.5  | 37.9  | 56.9# |
| 46       | 46.9  | 27.4  | 41.0# |
| 42       | 32.3  | 51.2  | 76.8# |



#8  
Toluene-d8  
Concen: 0.450 ug/L  
RT: 7.253 min Scan# 488  
Delta R.T. 0.015 min  
Lab File: VV039542.D  
Acq: 11 Dec 2025 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 98    | Resp: | 3791  |
| Ion      | Ratio | Lower | Upper |
| 98       | 100   |       |       |
| 100      | 61.5  | 44.5  | 82.7  |
| 42       | 10.4  | 10.1  | 18.7  |





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.517 ug/L

RT: 10.133 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

Instrument :

MSVOA\_V

ClientSampleId :

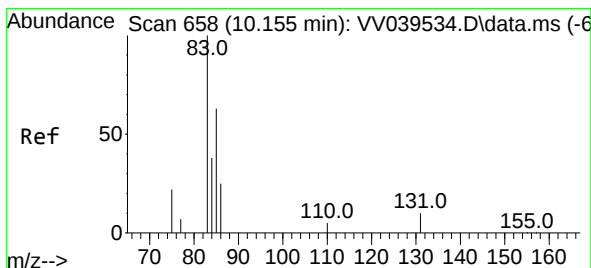
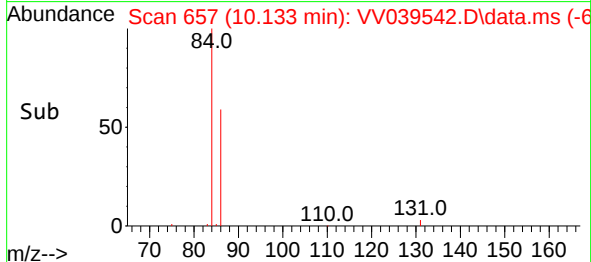
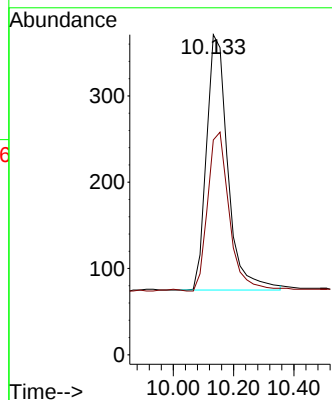
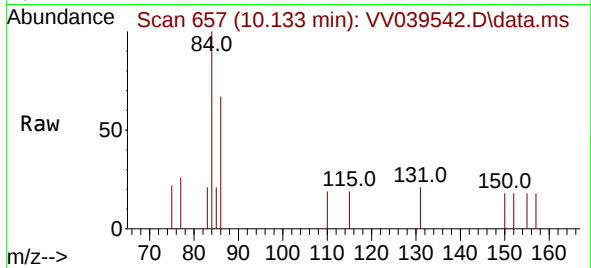
VHBLK001

Tgt Ion: 84 Resp: 1454

Ion Ratio Lower Upper

84 100

86 63.3 44.4 82.5



#11

1,1,2,2-Tetrachloroethane

Concen: 0.152 ug/L

RT: 9.556 min Scan# 631

Delta R.T. -0.599 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

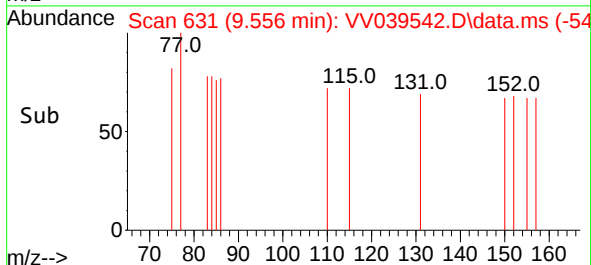
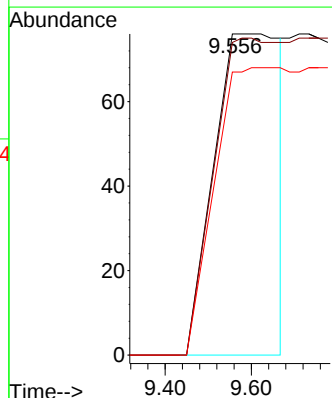
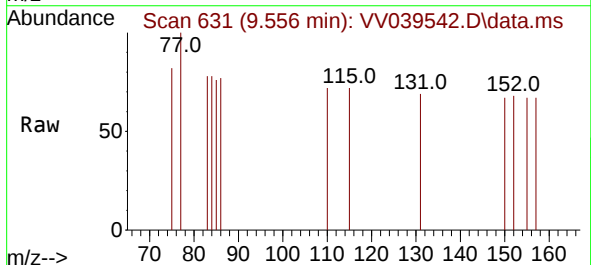
Tgt Ion: 83 Resp: 905

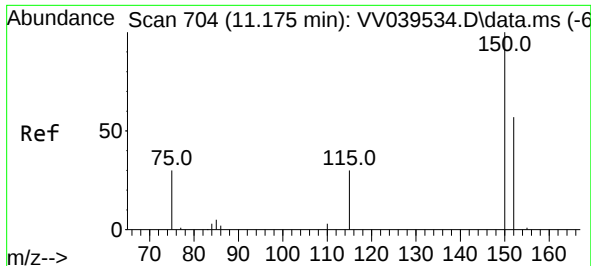
Ion Ratio Lower Upper

83 100

85 86.5 51.0 76.6#

131 99.9 8.6 12.8#





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 704

Delta R.T. 0.022 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK001

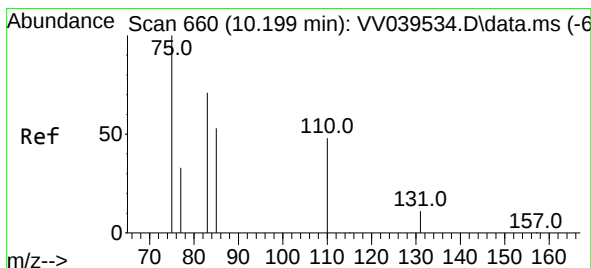
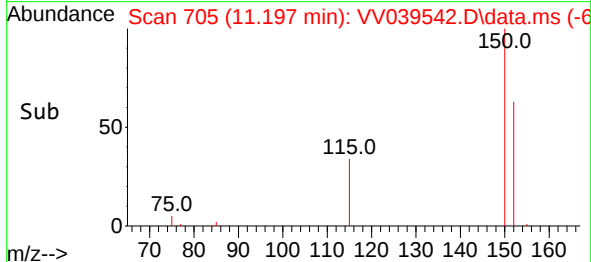
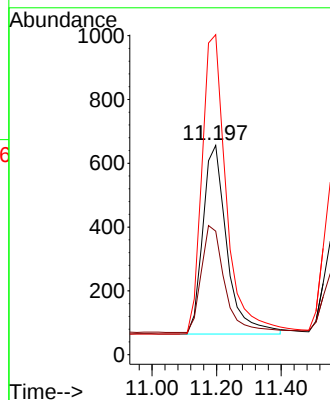
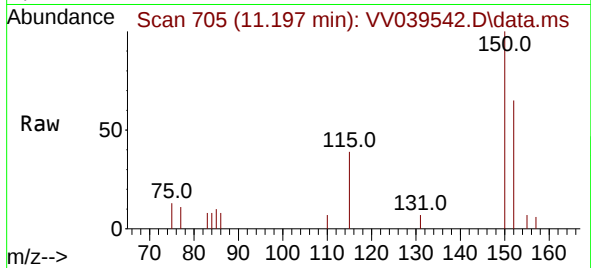
Tgt Ion:152 Resp: 3051

Ion Ratio Lower Upper

152 100

115 55.1 0.0 101.6

150 160.8 0.0 396.2



#13

1,2,3-Trichloropropane

Concen: 0.021 ug/L

RT: 10.288 min Scan# 664

Delta R.T. 0.089 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

110 77.6 37.8 56.6#

77 16.4 25.6 38.4#

