

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071322\  
 Data File : VW026749.D  
 Acq On : 13 Jul 2022 13:37  
 Operator : SY/MD  
 Sample : N3601-12DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 13 23:02:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 13 23:00:17 2022  
 Response via : Initial Calibration

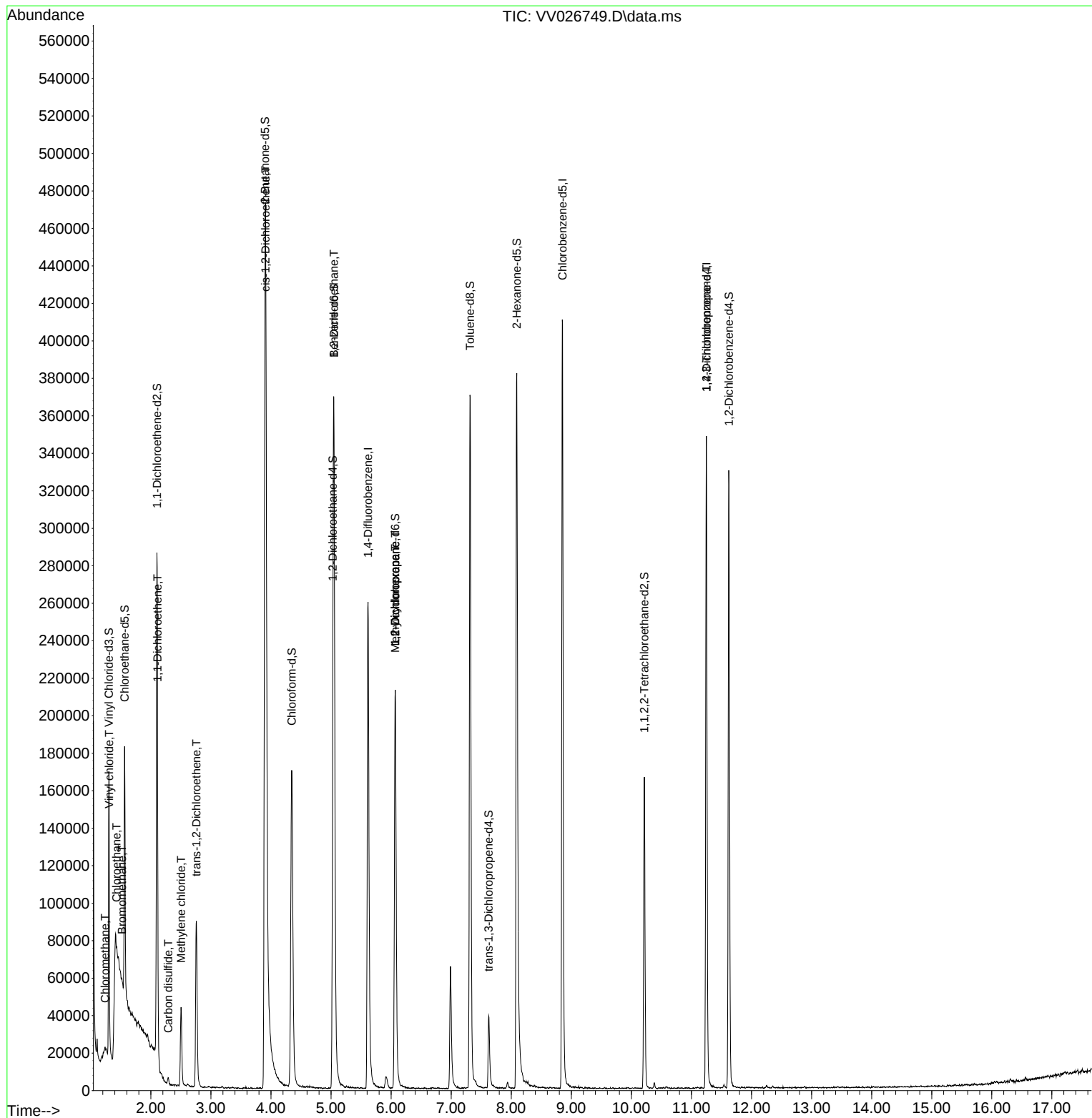
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 232819   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 233551   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 92419    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 94050    | 4.428    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.600%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 87571    | 4.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 139178   | 3.413    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 68.200%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 187759   | 56.640   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 113.280% |
| 24) Chloroform-d              | 4.346  | 84    | 183737   | 4.947    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 87460    | 5.390    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.800% |
| 32) Benzene-d6                | 5.047  | 84    | 338797   | 4.774    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 110109   | 5.175    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.400% |
| 41) Toluene-d8                | 7.313  | 98    | 256227   | 4.067    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 24270    | 3.486    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 69.800%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 139965   | 46.437   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 80240    | 4.841    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 85827    | 5.330    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.600% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.237  | 50    | 1344     | 0.047    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.307  | 62    | 5569     | 0.193    | ug/L # | 51       |
| 6) Bromomethane               | 1.520  | 94    | 940      | 0.054    | ug/L   | 90       |
| 8) Chloroethane               | 1.429  | 64    | 257098   | 15.088   | ug/L # | 49       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 2760     | 0.135    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.288  | 76    | 4120     | 0.069    | ug/L # | 88       |
| 16) Methylene chloride        | 2.503  | 84    | 18051    | 0.742    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 34178    | 1.822    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 225784   | 11.931   | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.047  | 62    | 2083     | 0.108    | ug/L # | 72       |
| 35) Methylcyclohexane         | 6.066  | 83    | 26430    | 0.902    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 11565    | 0.619    | ug/L # | 86       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 11538    | 1.354    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

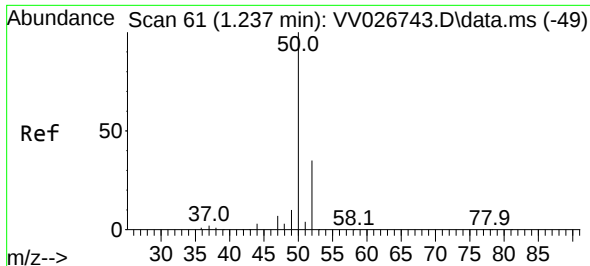
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071322\  
Data File : VV026749.D  
Acq On : 13 Jul 2022 13:37  
Operator : SY/MD  
Sample : N3601-12DL 5X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

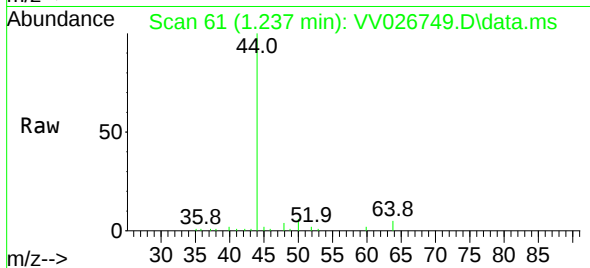
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Jul 13 23:00:17 2022  
Response via : Initial Calibration



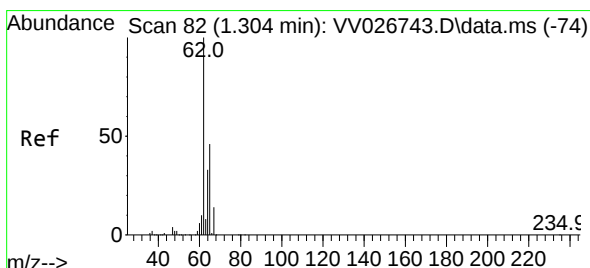
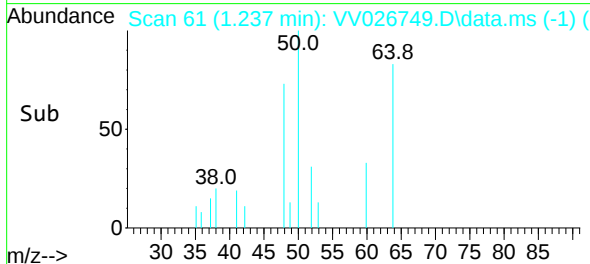
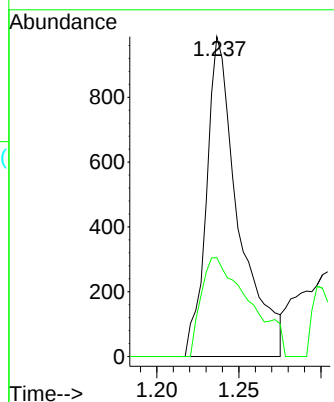


#3  
Chloromethane  
Concen: 0.047 ug/L  
RT: 1.237 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

Instrument :  
MSVOA\_V  
ClientSampleId :

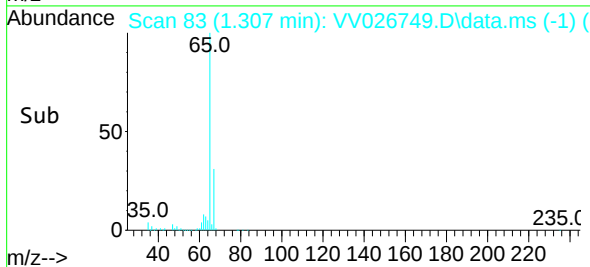
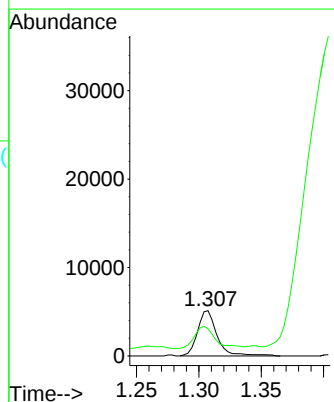
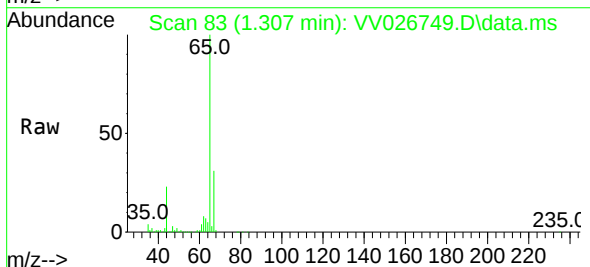


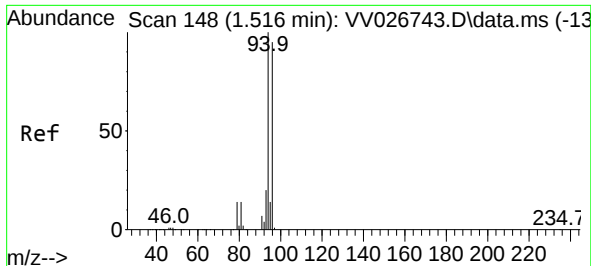
Tgt Ion: 50 Resp: 1344  
Ion Ratio Lower Upper  
50 100  
52 30.9 22.8 42.4



#5  
Vinyl chloride  
Concen: 0.193 ug/L  
RT: 1.307 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

Tgt Ion: 62 Resp: 5569  
Ion Ratio Lower Upper  
62 100  
64 60.2 22.9 42.5#

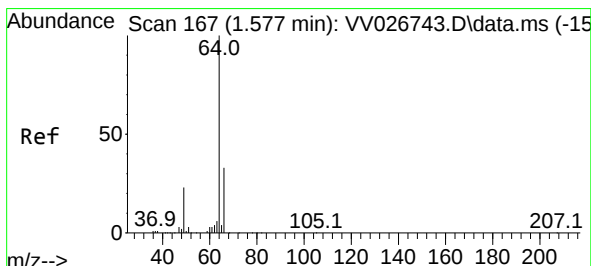
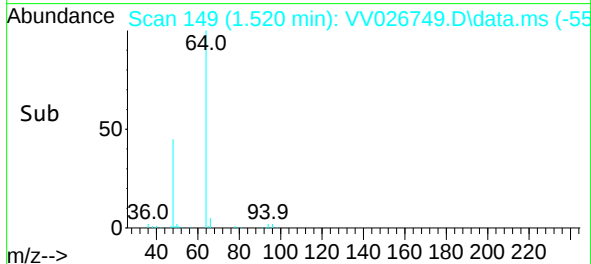
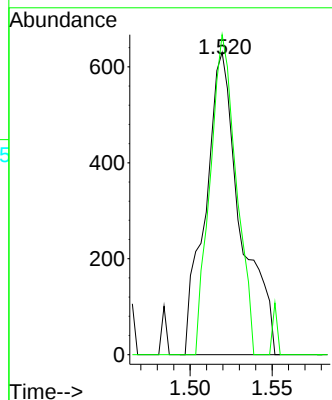
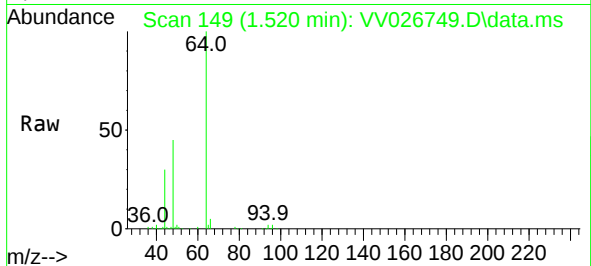




#6  
Bromomethane  
Concen: 0.054 ug/L  
RT: 1.520 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

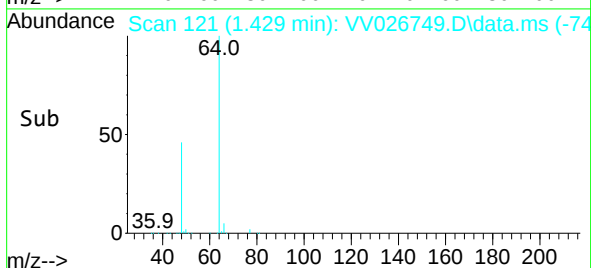
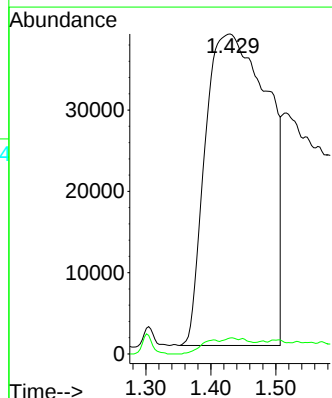
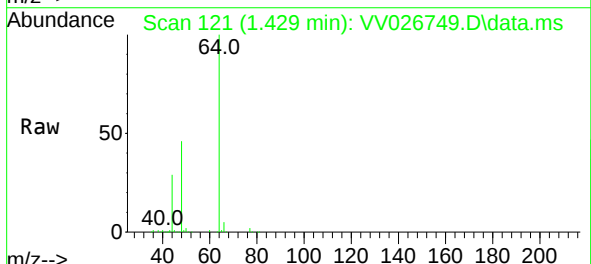
Instrument :  
MSVOA\_V  
ClientSampleId :

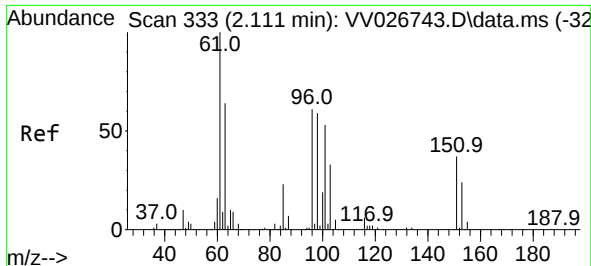
Tgt Ion: 94 Resp: 940  
Ion Ratio Lower Upper  
94 100  
96 105.9 67.1 124.7



#8  
Chloroethane  
Concen: 15.088 ug/L  
RT: 1.429 min Scan# 121  
Delta R.T. -0.148 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

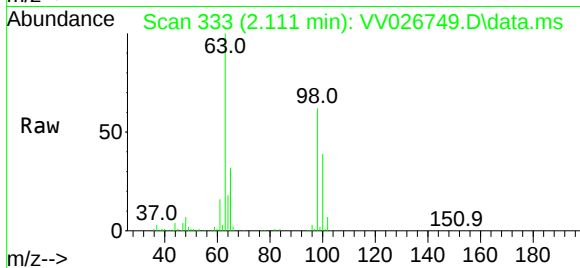
Tgt Ion: 64 Resp: 257098  
Ion Ratio Lower Upper  
64 100  
66 5.0 23.9 44.5#



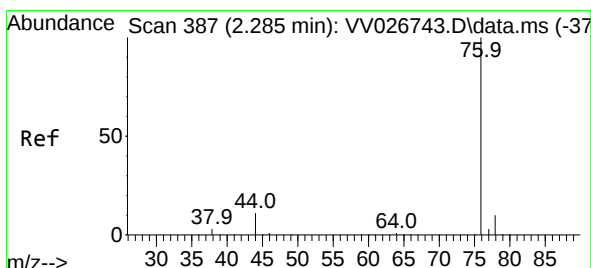
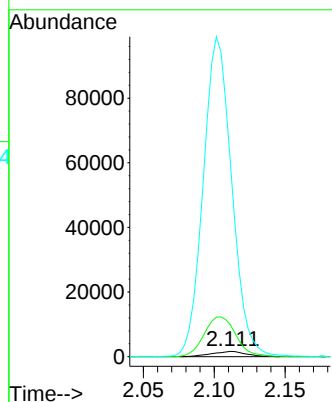
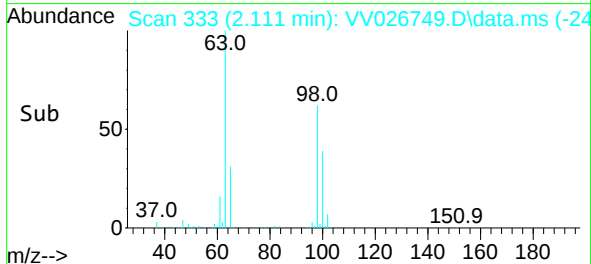


#12  
1,1-Dichloroethene  
Concen: 0.135 ug/L  
RT: 2.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

Instrument :  
MSVOA\_V  
ClientSampleId :

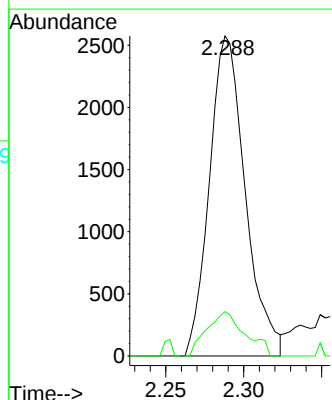
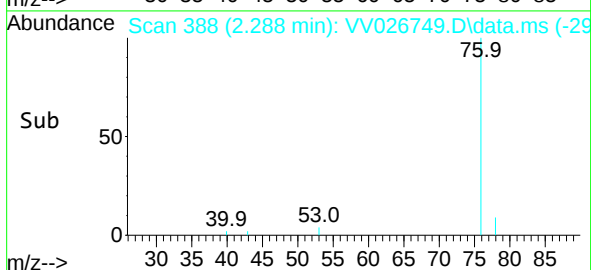
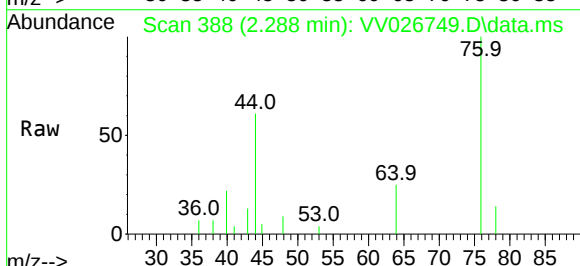


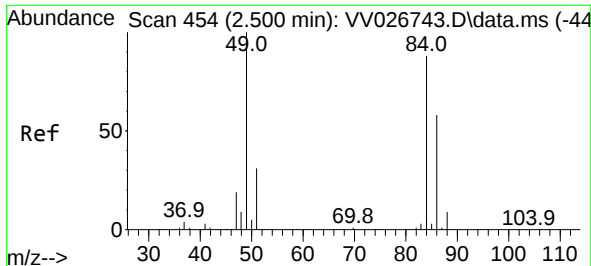
Tgt Ion: 96 Resp: 2760  
Ion Ratio Lower Upper  
96 100  
61 600.8 118.3 219.7#  
63 3694.3 79.9 148.3#



#14  
Carbon disulfide  
Concen: 0.069 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. 0.003 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

Tgt Ion: 76 Resp: 4120  
Ion Ratio Lower Upper  
76 100  
78 13.9 7.7 11.5#

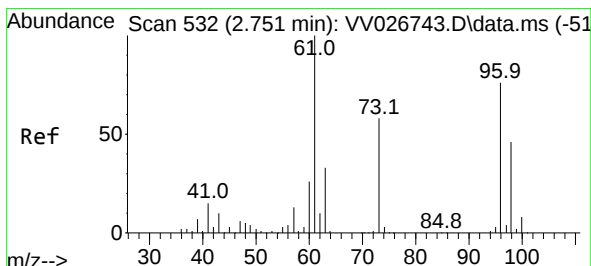
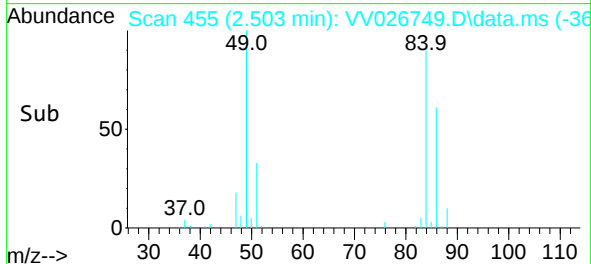
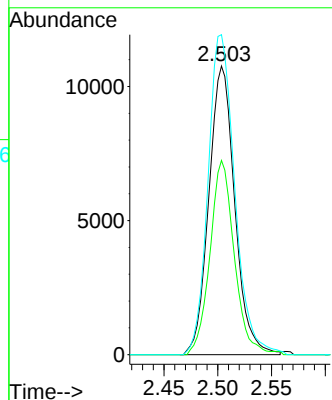
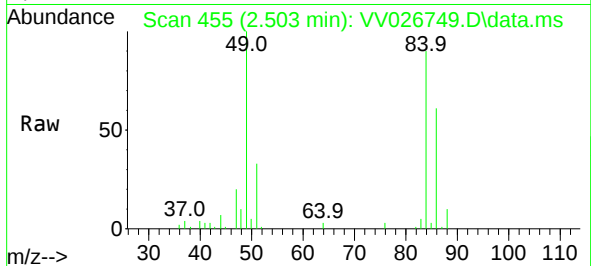




#16  
Methylene chloride  
Concen: 0.742 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

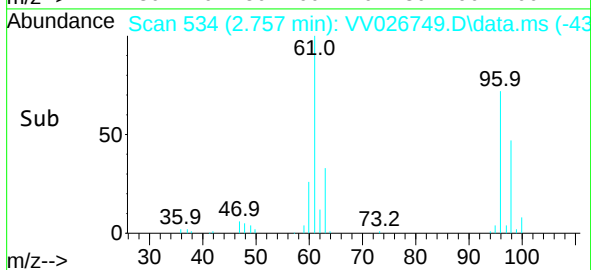
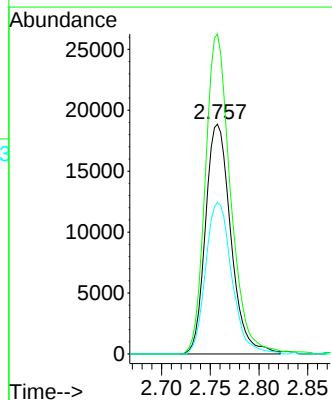
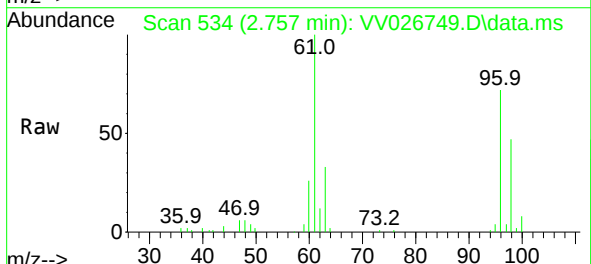
Instrument :  
MSVOA\_V  
ClientSampleId :

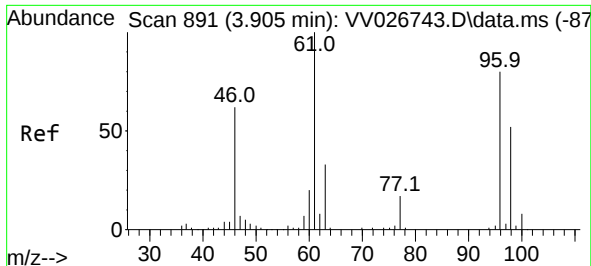
Tgt Ion: 84 Resp: 18051  
Ion Ratio Lower Upper  
84 100  
86 67.3 44.8 83.2  
49 110.9 78.7 146.1



#18  
trans-1,2-Dichloroethene  
Concen: 1.822 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.006 min  
Lab File: VV026749.D  
Acq: 13 Jul 2022 13:37

Tgt Ion: 96 Resp: 34178  
Ion Ratio Lower Upper  
96 100  
61 139.3 94.7 175.9  
98 66.0 47.4 88.0





#22

cis-1,2-Dichloroethene

Concen: 11.931 ug/L

RT: 3.908 min Scan# 891

Delta R.T. 0.003 min

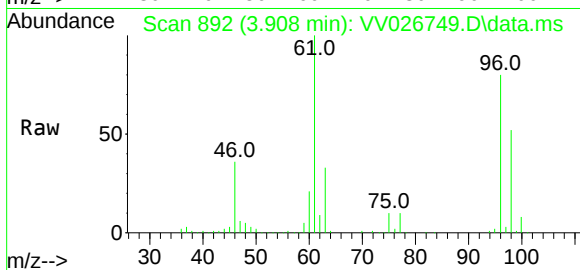
Lab File: VV026749.D

Acq: 13 Jul 2022 13:37

Instrument :

MSVOA\_V

ClientSampleId :



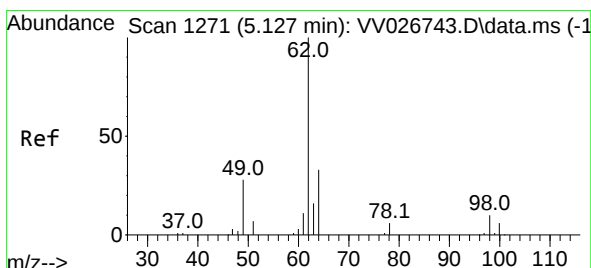
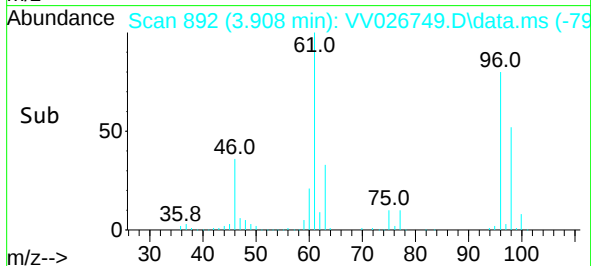
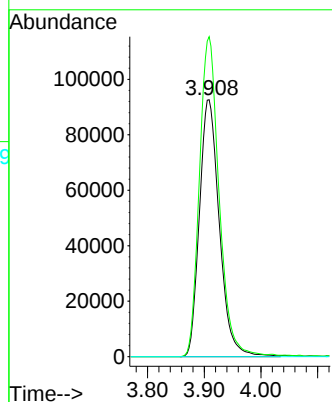
Tgt Ion: 96 Resp: 225784

Ion Ratio Lower Upper

96 100

61 124.5 83.9 155.9

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.108 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.080 min

Lab File: VV026749.D

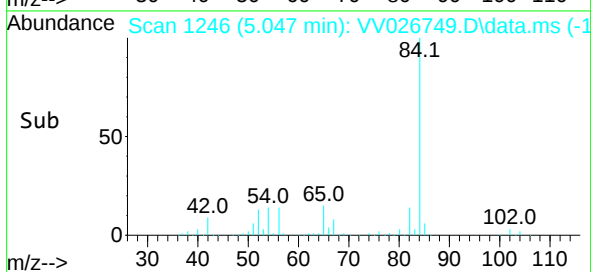
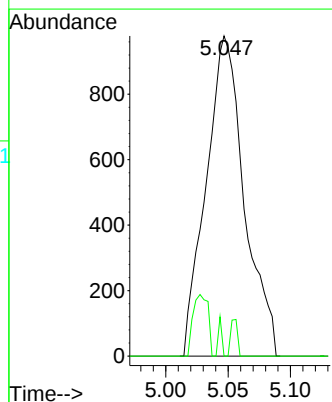
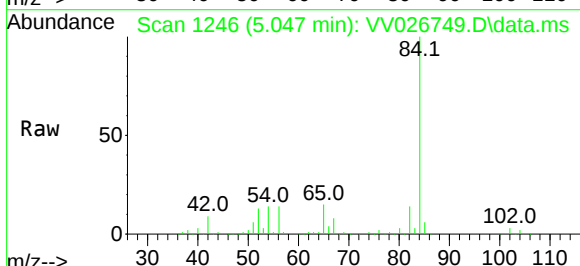
Acq: 13 Jul 2022 13:37

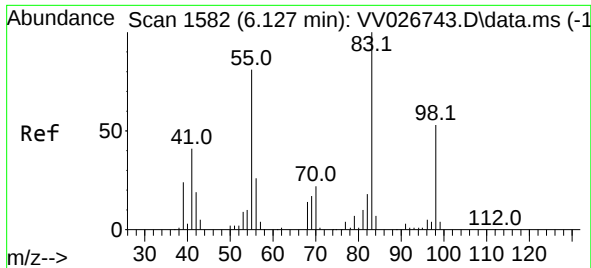
Tgt Ion: 62 Resp: 2083

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#





#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV026749.D

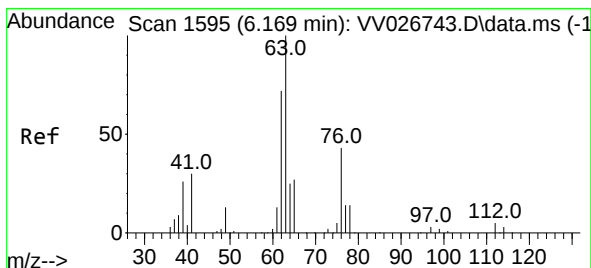
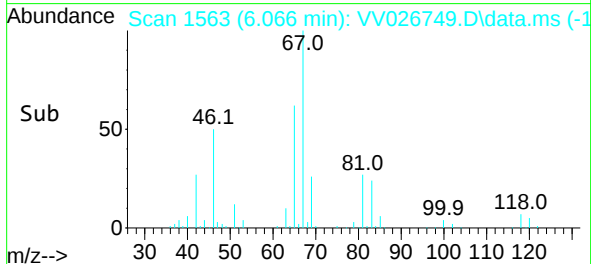
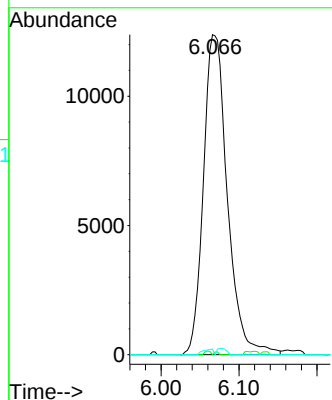
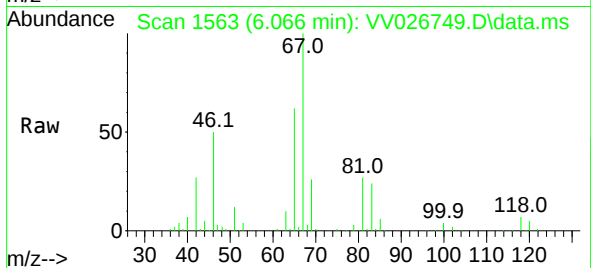
Acq: 13 Jul 2022 13:37

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 26430 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.3      | 59.5 89.3#  |
| 98 0.7      | 38.3 57.5#  |



#37

1,2-Dichloropropane

Concen: 0.619 ug/L

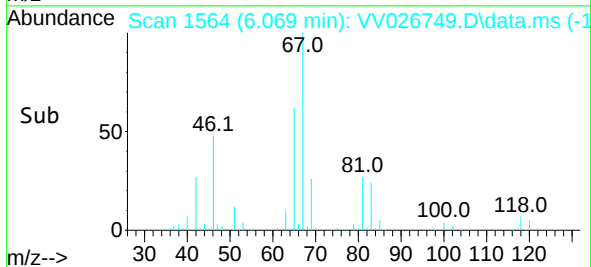
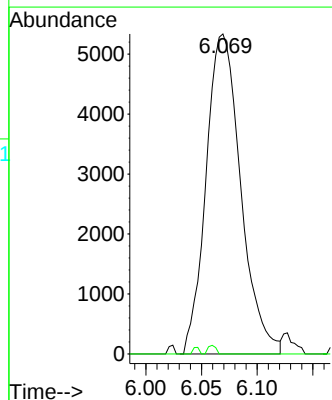
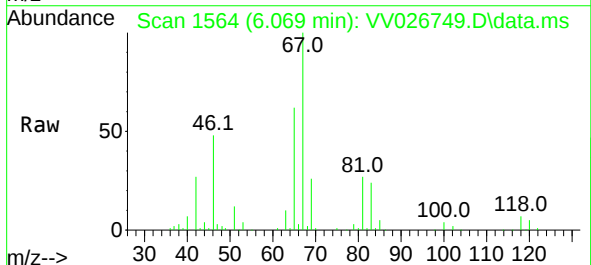
RT: 6.069 min Scan# 1564

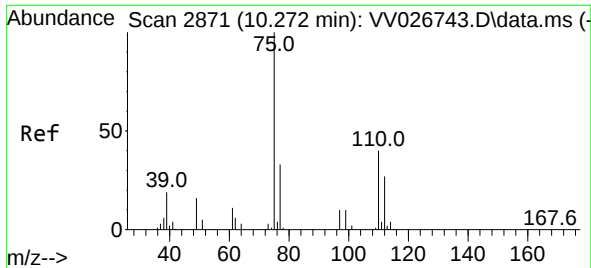
Delta R.T. -0.100 min

Lab File: VV026749.D

Acq: 13 Jul 2022 13:37

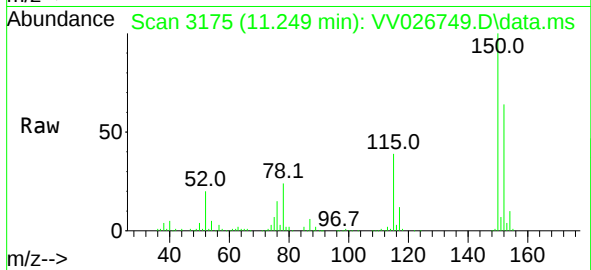
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 11565 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.6     | 4.2 6.2#    |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.354 ug/L  
 RT: 11.249 min Scan# 31  
 Delta R.T. 0.977 min  
 Lab File: VV026749.D  
 Acq: 13 Jul 2022 13:37

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11538 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.3  | 25.4  | 38.0  |
| 110      | 1.7   | 31.8  | 47.6# |

