

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100322\  
 Data File : VW028308.D  
 Acq On : 04 Oct 2022 03:17  
 Operator : SY/MD  
 Sample : N4866-21  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 04 06:18:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 04 02:28:45 2022  
 Response via : Initial Calibration

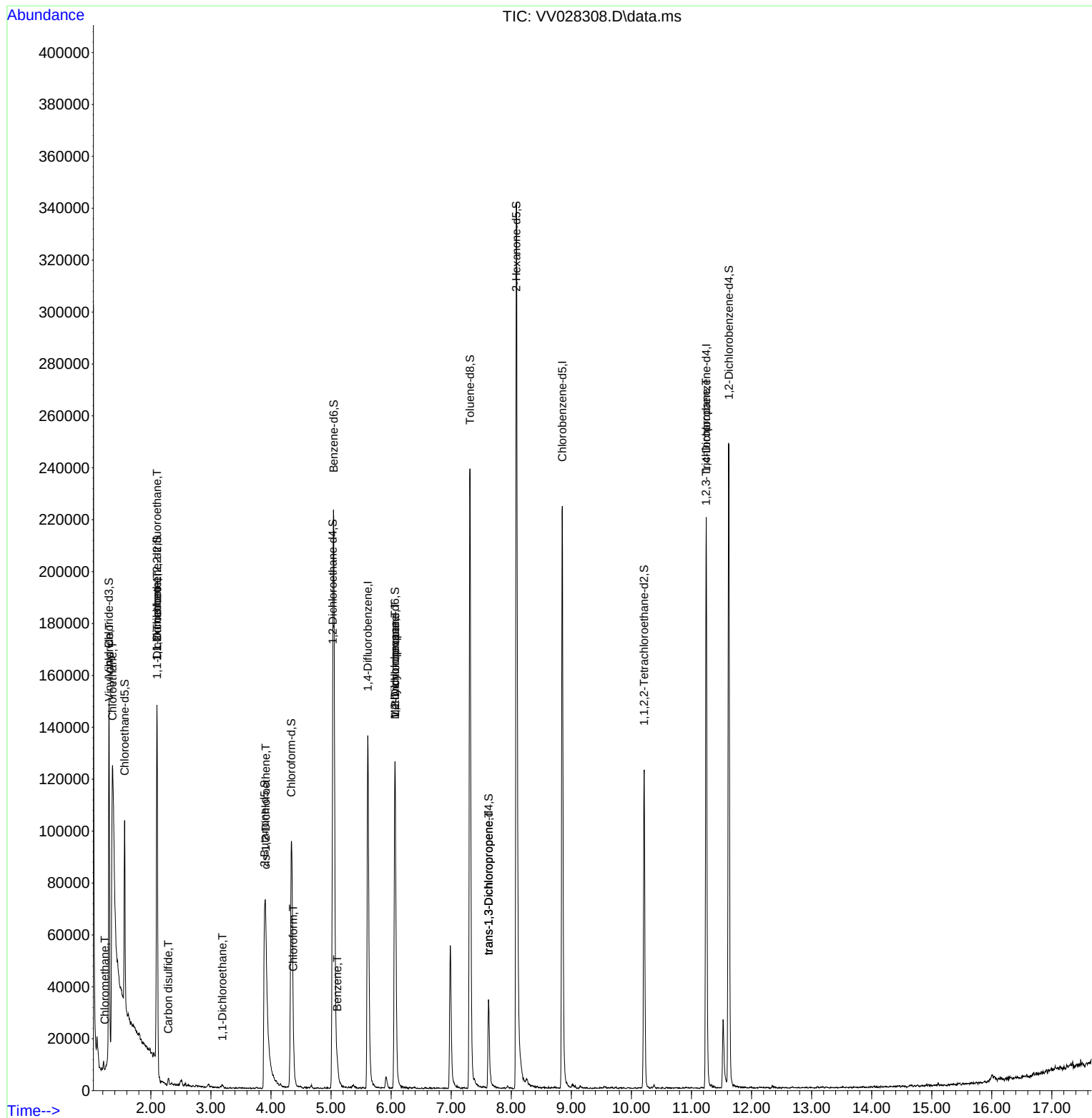
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 5.613     | 114            | 123225   | 5.000       | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117            | 133325   | 5.000       | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152            | 61153    | 5.000       | ug/L   | 0.00     |
|                               |           |                |          |             |        |          |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 1.301     | 65             | 50763    | 5.483       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 109.600%  |        |          |
| 7) Chloroethane-d5            | 1.564     | 69             | 45749    | 5.837       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 116.800%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.101     | 63             | 72692    | 4.166       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 83.400%   |        |          |
| 20) 2-Butanone-d5             | 3.892     | 46             | 146106   | 93.265      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 186.520%# |        |          |
| 24) Chloroform-d              | 4.339     | 84             | 105069   | 6.264       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 125.200%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65             | 58087    | 7.470       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 149.400%# |        |          |
| 32) Benzene-d6                | 5.043     | 84             | 208088   | 5.690       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 113.800%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.063     | 67             | 64467    | 6.145       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 122.800%  |        |          |
| 41) Toluene-d8                | 7.313     | 98             | 167320   | 4.974       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 99.400%   |        |          |
| 43) trans-1,3-Dichloroprop... | 7.622     | 79             | 22593    | 5.654       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 113.000%  |        |          |
| 46) 2-Hexanone-d5             | 8.085     | 63             | 129183   | 78.984      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 157.960%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214    | 84             | 61077    | 7.680       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 153.600%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152            | 69331    | 6.588       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 131.800%# |        |          |
|                               |           |                |          |             |        |          |
| Target Compounds              |           |                |          |             |        | Qvalue   |
| 3) Chloromethane              | 1.233     | 50             | 368      | 0.039       | ug/L   | 90       |
| 5) Vinyl chloride             | 1.307     | 62             | 42631    | 4.030       | ug/L # | 80       |
| 8) Chloroethane               | 1.362     | 64             | 318986   | 45.250      | ug/L # | 50       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.101     | 101            | 815      | 0.092       | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.105     | 96             | 920      | 0.104       | ug/L # | 1        |
| 14) Carbon disulfide          | 2.291     | 76             | 3511     | 0.127       | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 3.191     | 63             | 1403     | 0.089       | ug/L # | 84       |
| 22) cis-1,2-Dichloroethene    | 3.912     | 96             | 11606    | 1.252       | ug/L   | 92       |
| 25) Chloroform                | 4.371     | 83             | 2896     | 0.168       | ug/L   | 95       |
| 33) Benzene                   | 5.101     | 78             | 8004     | 0.202       | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.063     | 83             | 16494    | 1.017       | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.066     | 63             | 7010     | 0.763       | ug/L # | 87       |
| 44) trans-1,3-Dichloropropene | 7.622     | 75             | 916      | 0.082       | ug/L # | 76       |
| 61) 1,2,3-Trichloropropane    | 11.243    | 75             | 6193     | 1.312       | ug/L # | 68       |
| -----                         |           |                |          |             |        |          |

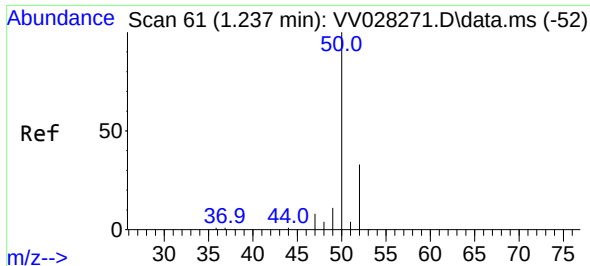
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100322\  
Data File : VV028308.D  
Acq On : 04 Oct 2022 03:17  
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Sample : N4866-21  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 04 06:18:35 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Oct 04 02:28:45 2022  
Response via : Initial Calibration

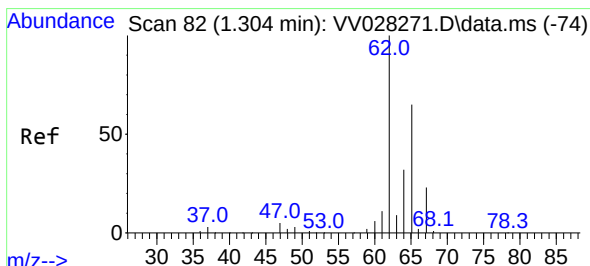
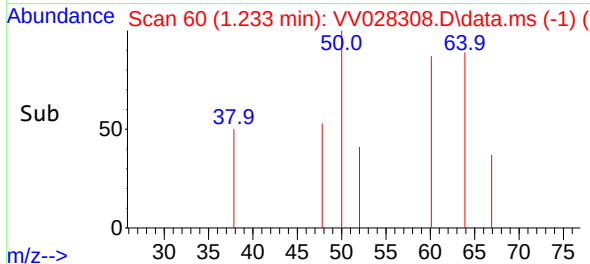
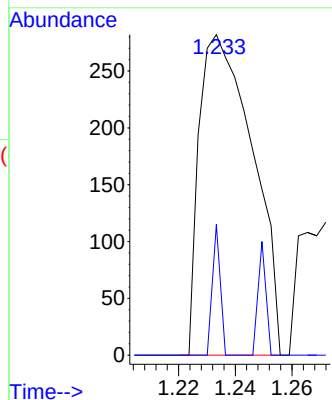
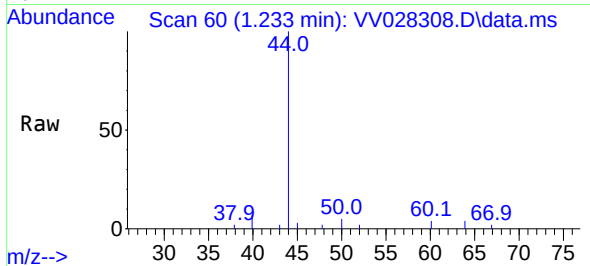




#3  
Chloromethane  
Concen: 0.039 ug/L  
RT: 1.233 min Scan# 60  
Delta R.T. -0.003 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

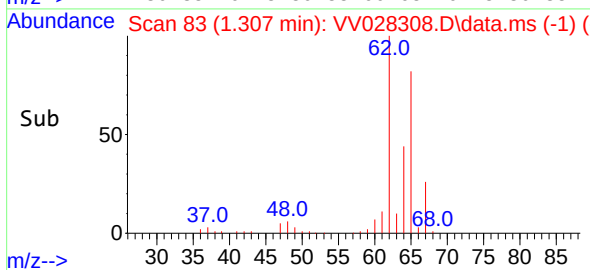
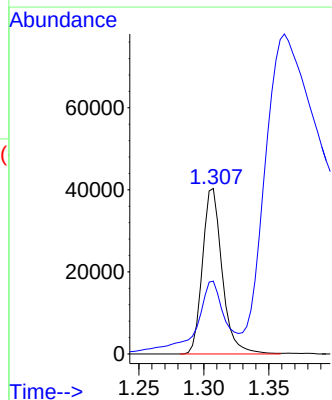
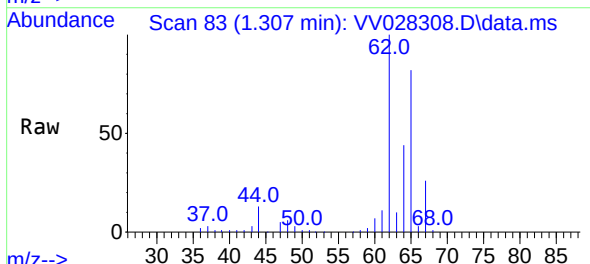
Instrument :  
MSVOA\_V  
ClientSampleId :

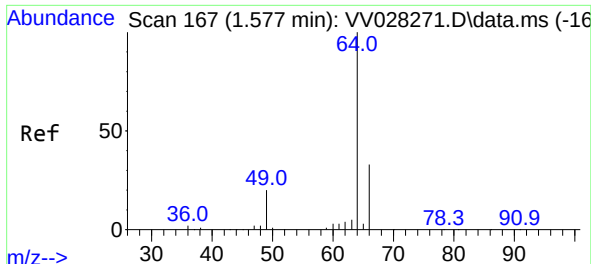
Tgt Ion: 50 Resp: 368  
Ion Ratio Lower Upper  
50 100  
52 40.8 24.4 45.2



#5  
Vinyl chloride  
Concen: 4.030 ug/L  
RT: 1.307 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Tgt Ion: 62 Resp: 42631  
Ion Ratio Lower Upper  
62 100  
64 44.0 23.0 42.8#

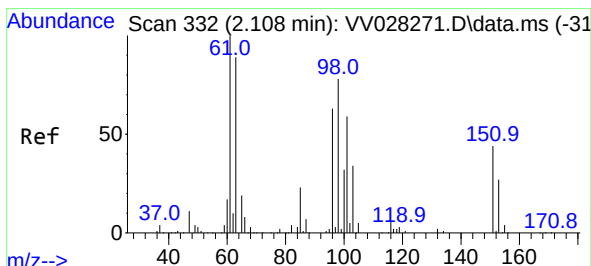
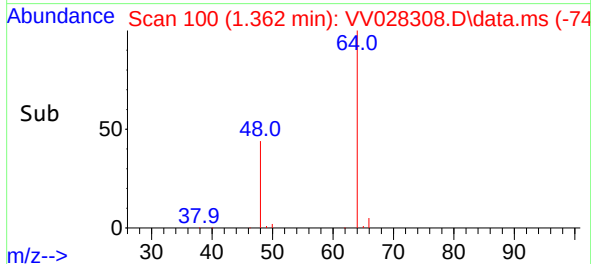
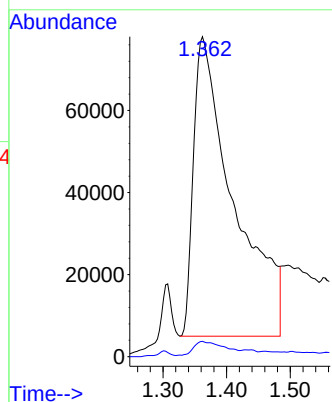
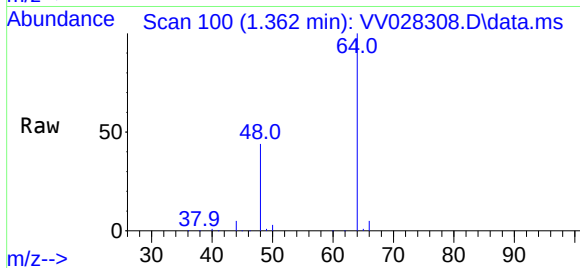




#8  
Chloroethane  
Concen: 45.250 ug/L  
RT: 1.362 min Scan# 10  
Delta R.T. -0.215 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

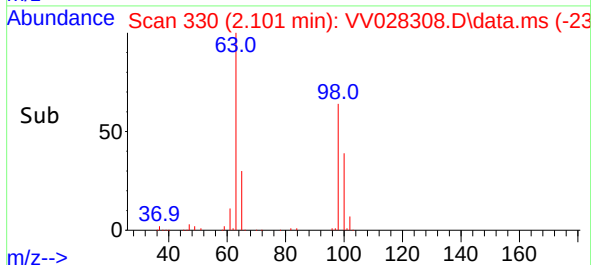
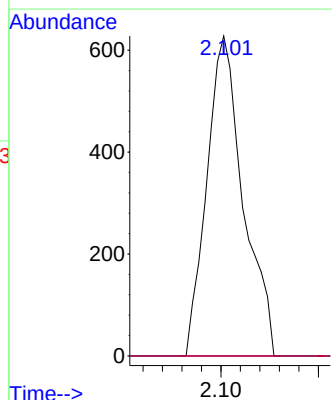
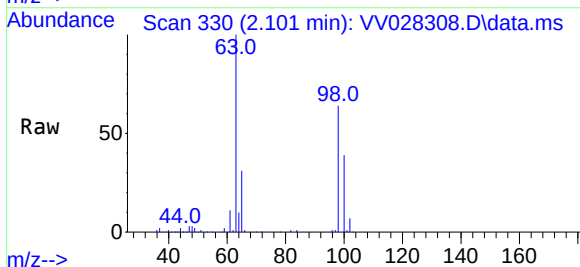
Instrument :  
MSVOA\_V  
ClientSampleId :

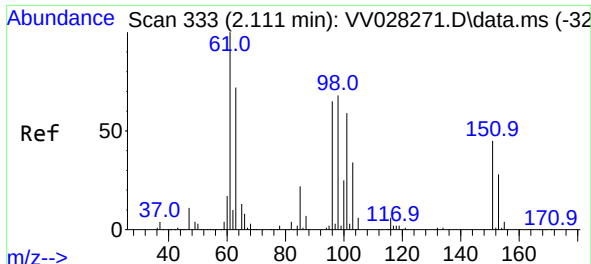
Tgt Ion: 64 Resp: 318986  
Ion Ratio Lower Upper  
64 100  
66 4.8 23.0 42.8#



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.092 ug/L  
RT: 2.101 min Scan# 330  
Delta R.T. -0.006 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Tgt Ion:101 Resp: 815  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.4 51.6#  
151 0.0 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.104 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.006 min

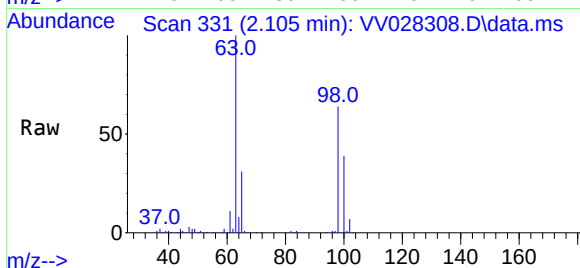
Lab File: VV028308.D

Acq: 04 Oct 2022 03:17

Instrument :

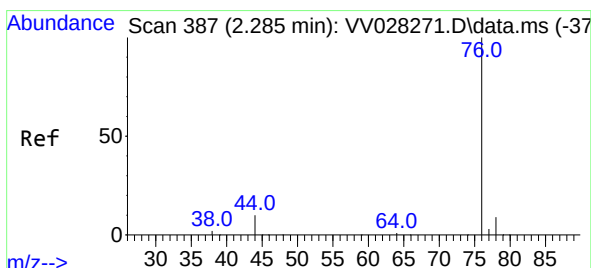
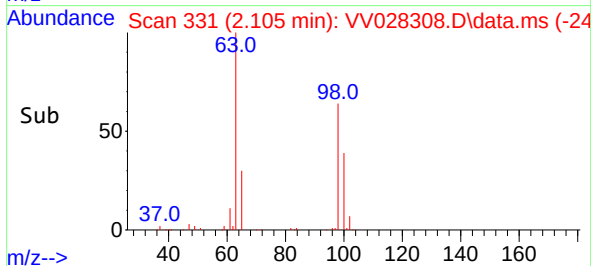
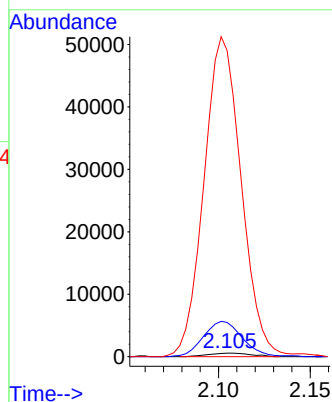
MSVOA\_V

ClientSampleId :



Tgt Ion: 96 Resp: 920

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 964.6  | 128.3 | 238.3# |
| 63  | 8635.2 | 112.7 | 209.3# |



#14

Carbon disulfide

Concen: 0.127 ug/L

RT: 2.291 min Scan# 389

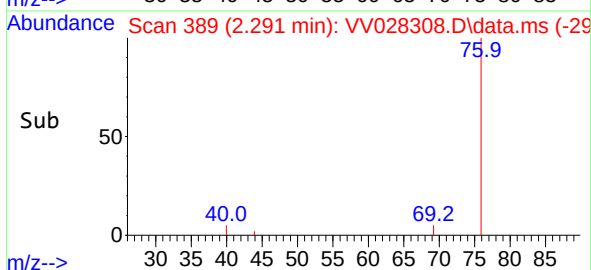
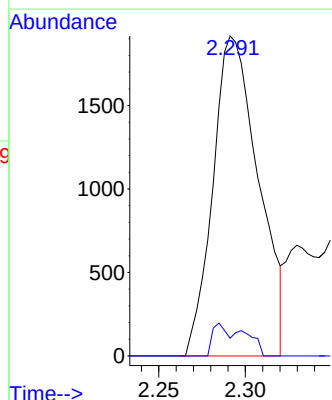
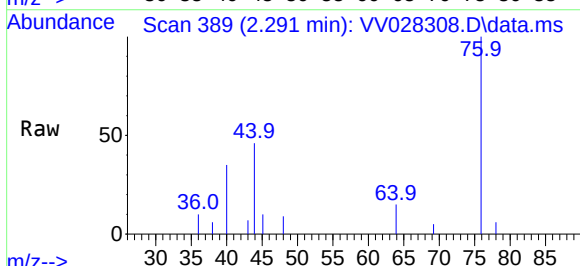
Delta R.T. 0.007 min

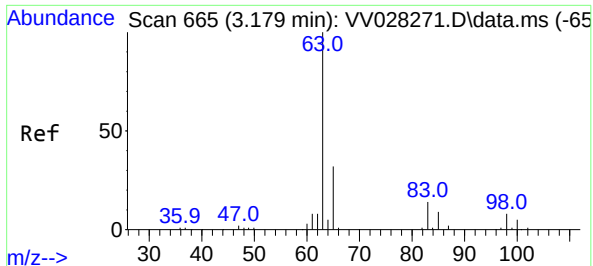
Lab File: VV028308.D

Acq: 04 Oct 2022 03:17

Tgt Ion: 76 Resp: 3511

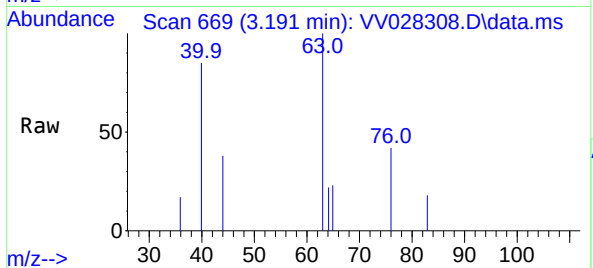
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 5.5   | 7.6   | 11.4# |



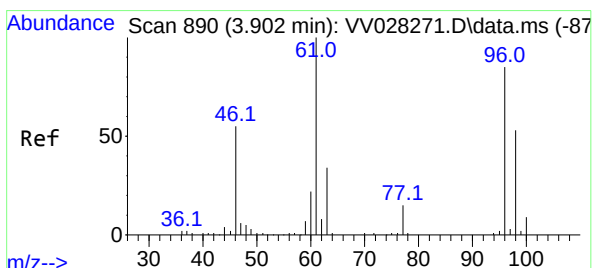
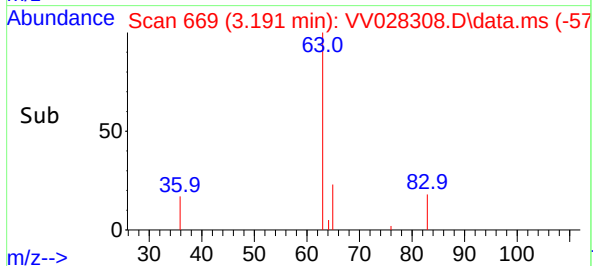
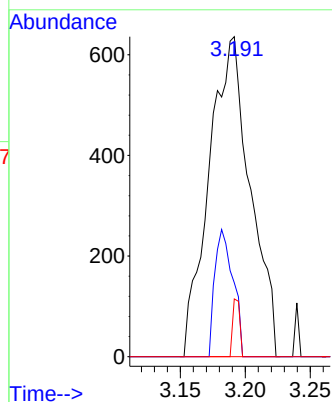


#19  
1,1-Dichloroethane  
Concen: 0.089 ug/L  
RT: 3.191 min Scan# 610  
Delta R.T. 0.010 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Instrument :  
MSVOA\_V  
ClientSampleId :

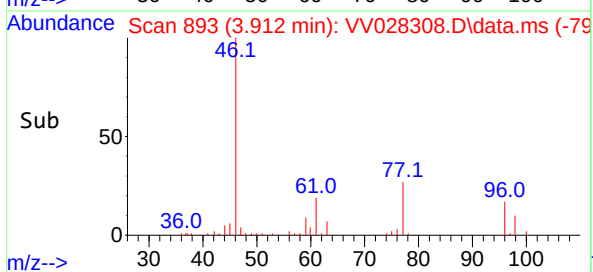
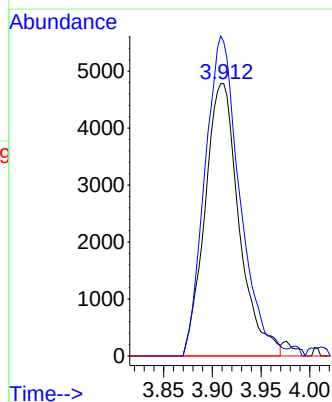
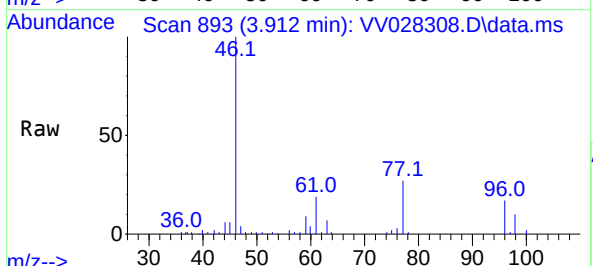


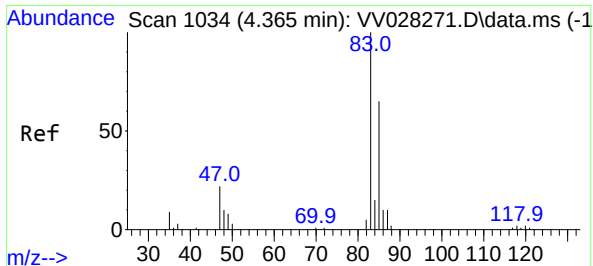
Tgt Ion: 63 Resp: 1403  
Ion Ratio Lower Upper  
63 100  
65 23.1 23.0 42.8  
83 18.1 9.2 17.2#



#22  
cis-1,2-Dichloroethene  
Concen: 1.252 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.007 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Tgt Ion: 96 Resp: 11606  
Ion Ratio Lower Upper  
96 100  
61 115.3 87.2 161.9  
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.168 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV028308.D

Acq: 04 Oct 2022 03:17

Instrument :

MSVOA\_V

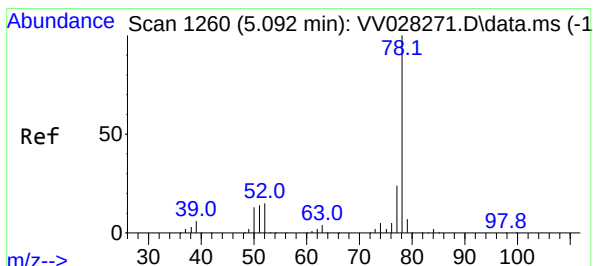
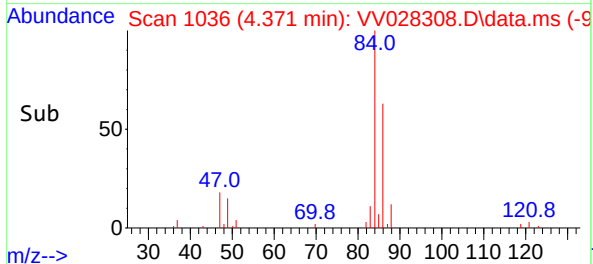
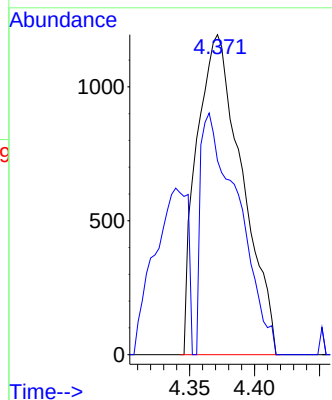
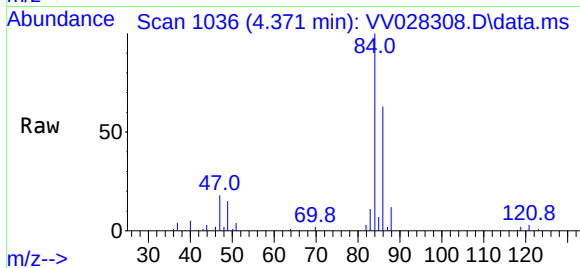
ClientSampleId :

Tgt Ion: 83 Resp: 2896

Ion Ratio Lower Upper

83 100

85 60.7 45.1 83.7



#33

Benzene

Concen: 0.202 ug/L

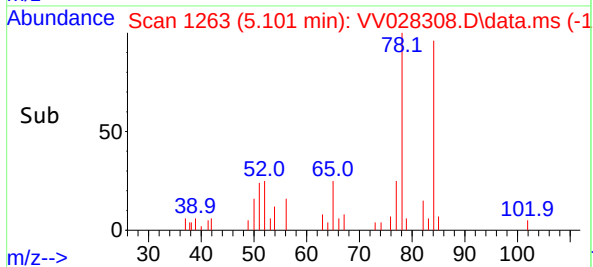
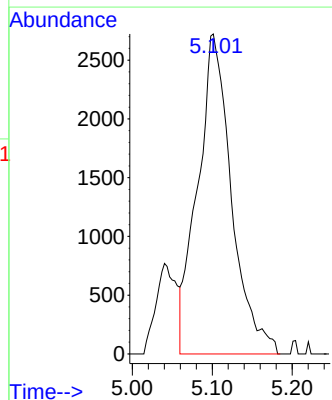
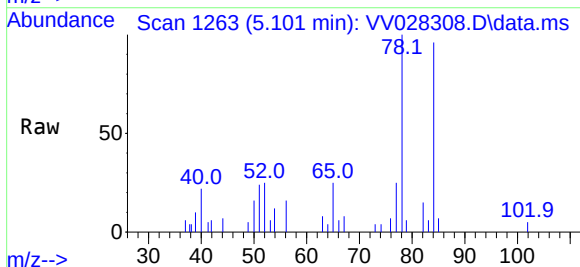
RT: 5.101 min Scan# 1263

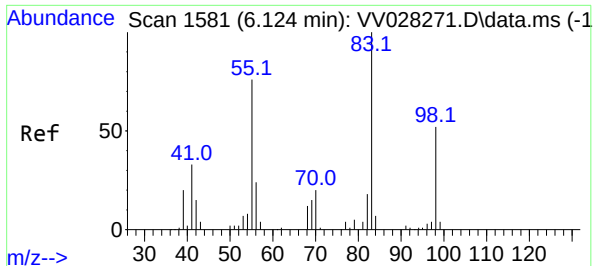
Delta R.T. 0.010 min

Lab File: VV028308.D

Acq: 04 Oct 2022 03:17

Tgt Ion: 78 Resp: 8004





#35

Methylcyclohexane

Concen: 1.017 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV028308.D

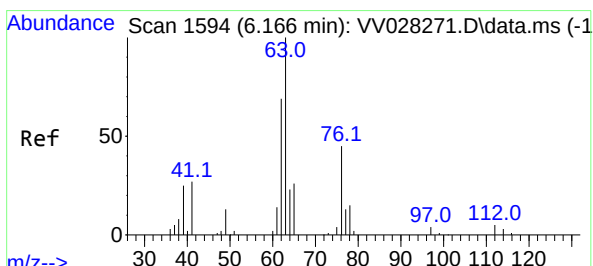
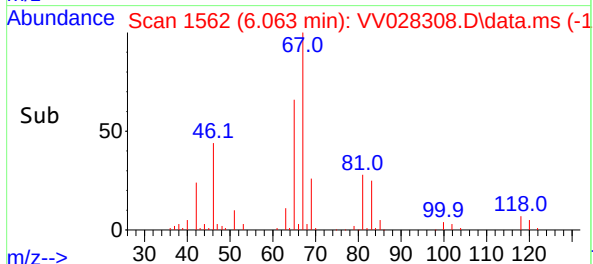
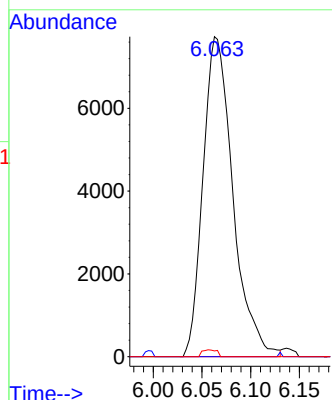
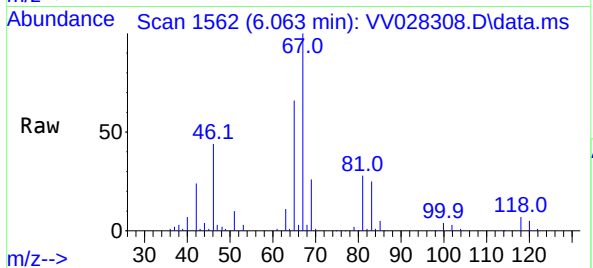
Acq: 04 Oct 2022 03:17

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 16494 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.5      | 64.7 97.1#  |
| 98 1.0      | 39.5 59.3#  |



#37

1,2-Dichloropropane

Concen: 0.763 ug/L

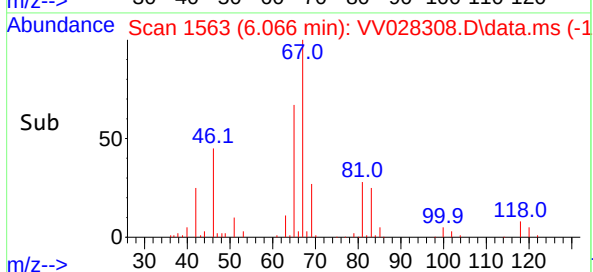
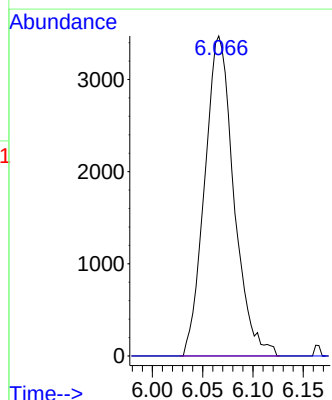
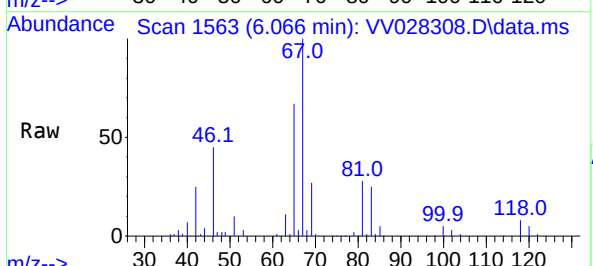
RT: 6.066 min Scan# 1563

Delta R.T. -0.103 min

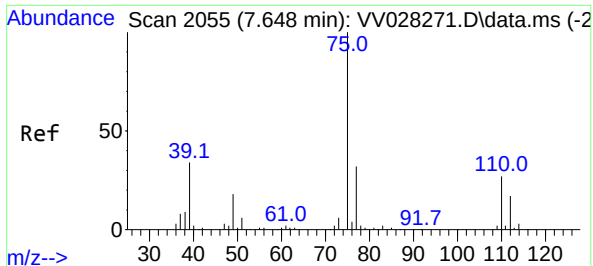
Lab File: VV028308.D

Acq: 04 Oct 2022 03:17

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 7010  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 3.5 5.3#    |



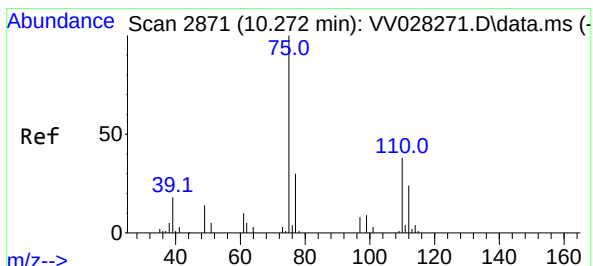
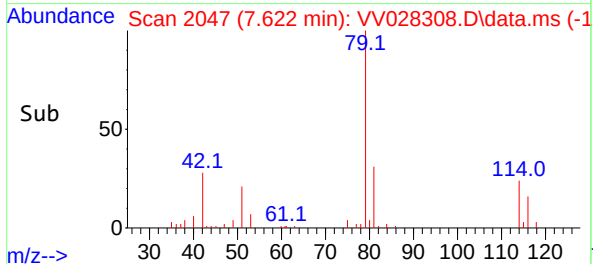
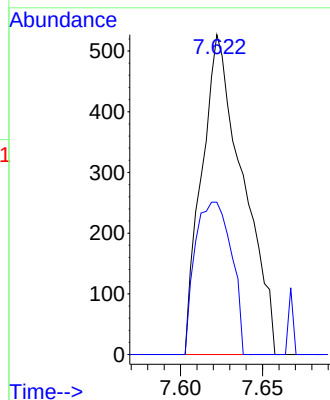
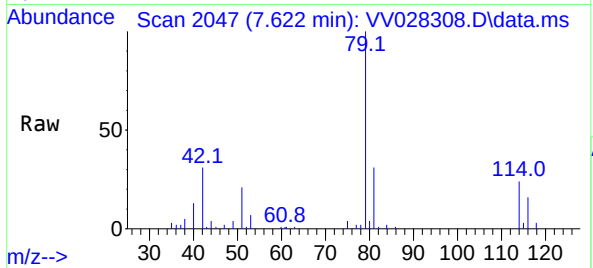




#44  
trans-1,3-Dichloropropene  
Concen: 0.082 ug/L  
RT: 7.622 min Scan# 2055  
Delta R.T. -0.026 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 75 Resp: 916  
Ion Ratio Lower Upper  
75 100  
77 47.6 23.9 44.3#



#61  
1,2,3-Trichloropropane  
Concen: 1.312 ug/L  
RT: 11.243 min Scan# 3173  
Delta R.T. 0.972 min  
Lab File: VV028308.D  
Acq: 04 Oct 2022 03:17

Tgt Ion: 75 Resp: 6193  
Ion Ratio Lower Upper  
75 100  
77 31.8 26.7 40.1  
110 2.5 30.1 45.1#

