

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031424\  
 Data File : VV034620.D  
 Acq On : 14 Mar 2024 22:13  
 Operator : SY/MD  
 Sample : P1751-16  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Mar 15 06:55:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 15 06:40:01 2024  
 Response via : Initial Calibration

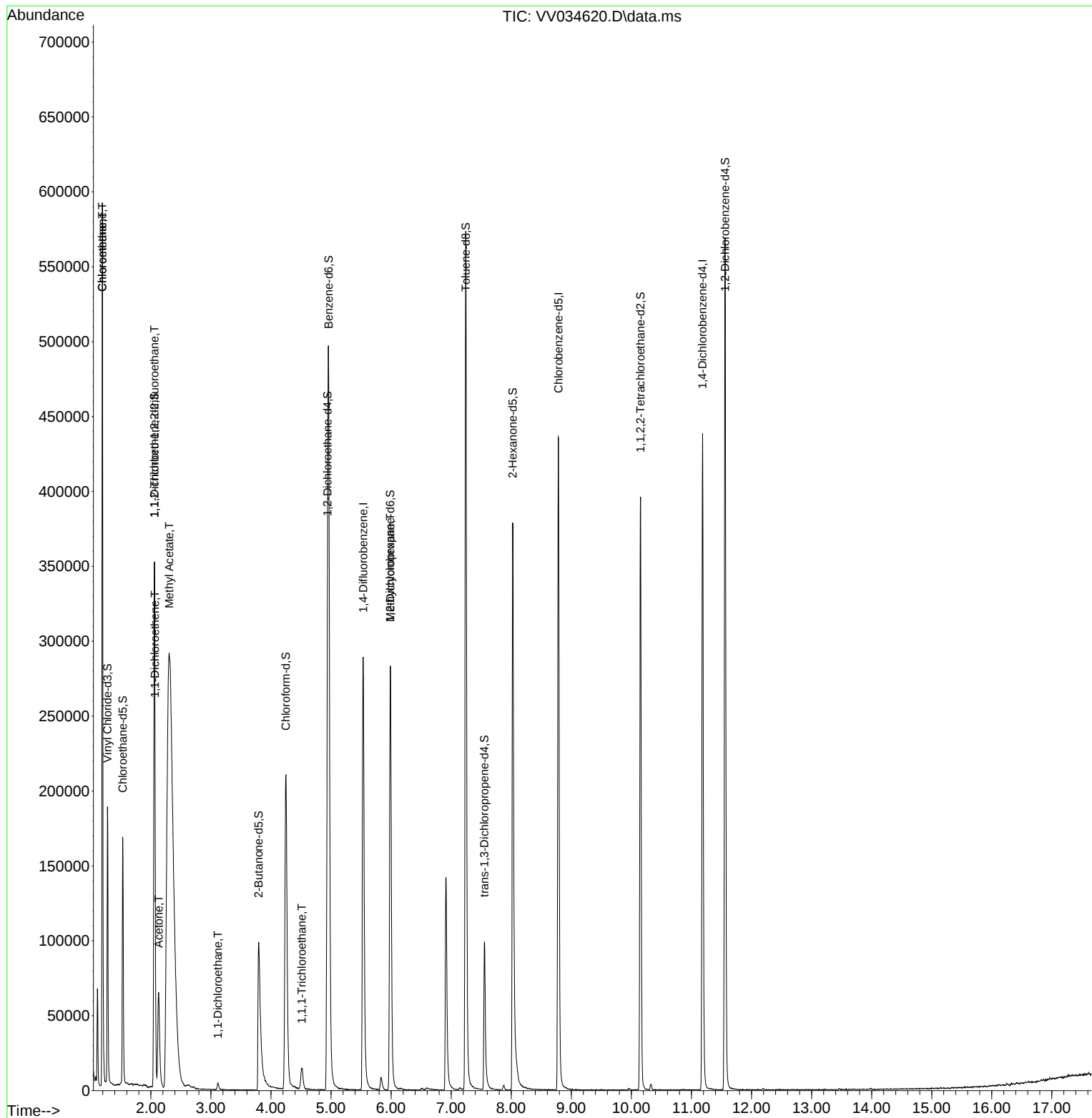
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 5.535     | 114            | 254883   | 50.000      | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786     | 117            | 236747   | 50.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185    | 152            | 110843   | 50.000      | ug/L   | 0.00     |
|                               |           |                |          |             |        |          |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 1.278     | 65             | 117260   | 53.069      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 60 - 135 | Recovery | = 106.140%  |        |          |
| 7) Chloroethane-d5            | 1.532     | 69             | 101493   | 58.959      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 130 | Recovery | = 117.920%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.060     | 65             | 54529    | 54.569      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 60 - 125 | Recovery | = 109.140%  |        |          |
| 21) 2-Butanone-d5             | 3.796     | 46             | 190982   | 129.249     | ug/L   | 0.00     |
| Spiked Amount                 | 100.000   | Range 40 - 130 | Recovery | = 129.250%  |        |          |
| 24) Chloroform-d              | 4.246     | 84             | 227253   | 58.169      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 125 | Recovery | = 116.340%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.940     | 65             | 152371   | 59.684      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 125 | Recovery | = 119.360%  |        |          |
| 32) Benzene-d6                | 4.960     | 84             | 432605   | 60.546      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 125 | Recovery | = 121.100%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.985     | 67             | 137333   | 62.981      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 70 - 120 | Recovery | = 125.960## |        |          |
| 41) Toluene-d8                | 7.243     | 98             | 378470   | 58.533      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 80 - 120 | Recovery | = 117.060%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.554     | 79             | 59549    | 54.383      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 60 - 125 | Recovery | = 108.760%  |        |          |
| 47) 2-Hexanone-d5             | 8.024     | 63             | 130996   | 120.305     | ug/L   | 0.00     |
| Spiked Amount                 | 100.000   | Range 45 - 130 | Recovery | = 120.300%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152    | 84             | 184275   | 64.217      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 65 - 120 | Recovery | = 128.440## |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561    | 152            | 143182   | 63.196      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 80 - 120 | Recovery | = 126.400## |        |          |
|                               |           |                |          |             |        |          |
| Target Compounds              |           |                |          |             |        | Qvalue   |
| 3) Chloromethane              | 1.191     | 50             | 5556     | 2.115       | ug/L # | 42       |
| 8) Chloroethane               | 1.191     | 64             | 25489    | 16.817      | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060     | 101            | 1496     | 0.727       | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.069     | 96             | 16868    | 8.838       | ug/L # | 1        |
| 13) Acetone                   | 2.130     | 43             | 93620    | 52.704      | ug/L   | 98       |
| 15) Methyl Acetate            | 2.304     | 43             | 122486   | 53.898      | ug/L # | 53       |
| 19) 1,1-Dichloroethane        | 3.114     | 63             | 4785     | 1.322       | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.513     | 97             | 12361    | 3.641       | ug/L   | 97       |
| 35) Methylcyclohexane         | 5.985     | 83             | 33254    | 10.472      | ug/L # | 18       |
| -----                         |           |                |          |             |        |          |

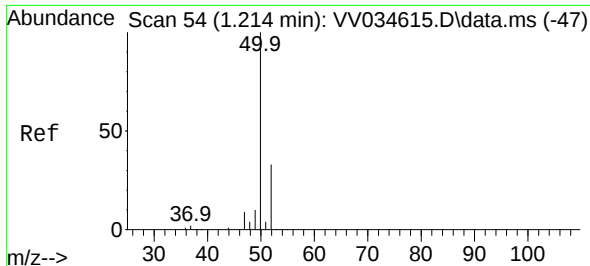
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Mar 15 06:55:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022924WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 06:40:01 2024  
Response via : Initial Calibration

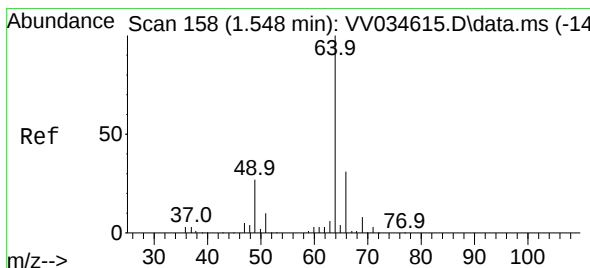
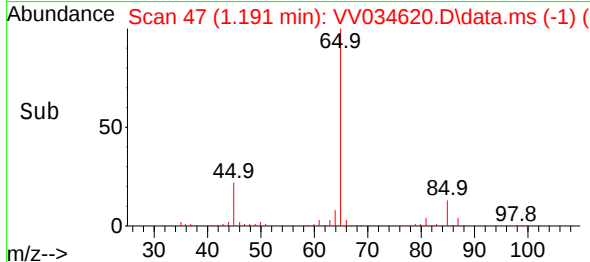
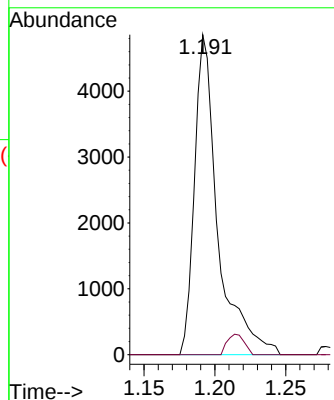
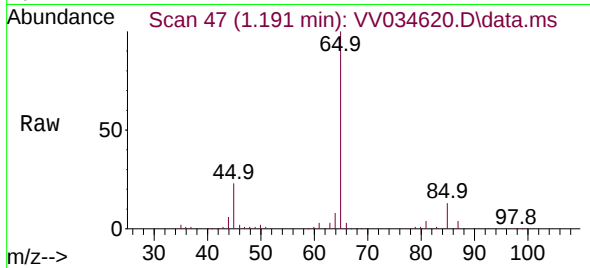




#3  
Chloromethane  
Concen: 2.115 ug/L  
RT: 1.191 min Scan# 47  
Delta R.T. -0.023 min  
Lab File: VV034620.D  
Acq: 14 Mar 2024 22:13

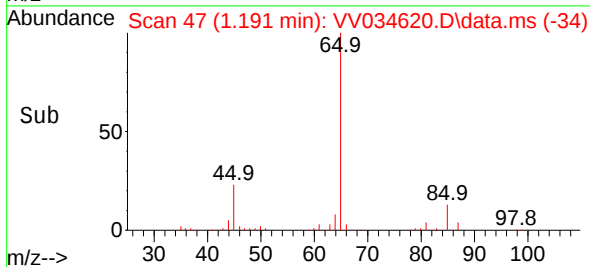
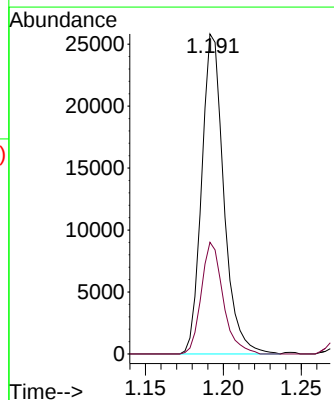
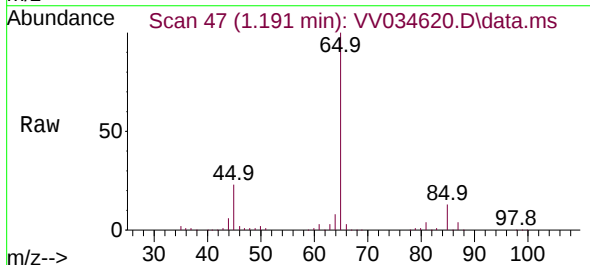
Instrument :  
MSVOA\_V  
ClientSampleId :

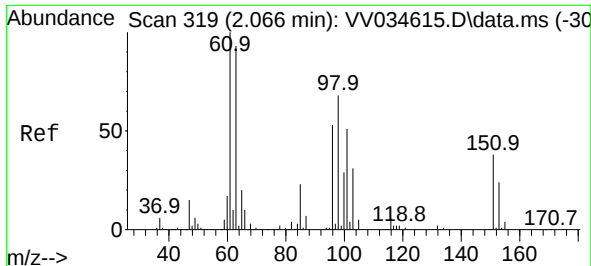
Tgt Ion: 50 Resp: 5556  
Ion Ratio Lower Upper  
50 100  
52 0.0 23.0 42.8#



#8  
Chloroethane  
Concen: 16.817 ug/L  
RT: 1.191 min Scan# 47  
Delta R.T. -0.357 min  
Lab File: VV034620.D  
Acq: 14 Mar 2024 22:13

Tgt Ion: 64 Resp: 25489  
Ion Ratio Lower Upper  
64 100  
66 34.9 22.0 40.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.727 ug/L

RT: 2.060 min Scan# 319

Delta R.T. -0.006 min

Lab File: VV034620.D

Acq: 14 Mar 2024 22:13

Instrument :

MSVOA\_V

ClientSampleId :

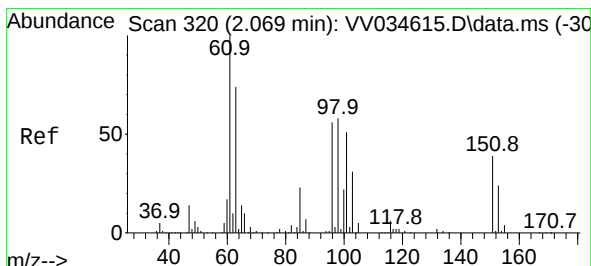
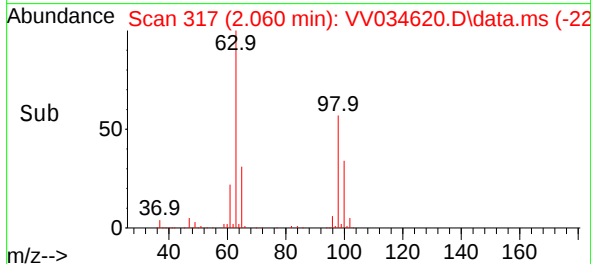
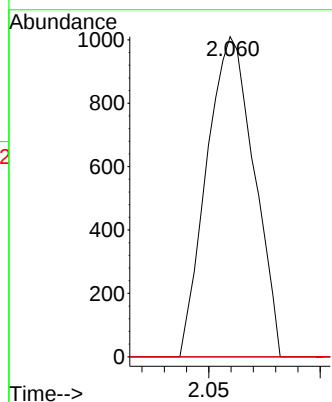
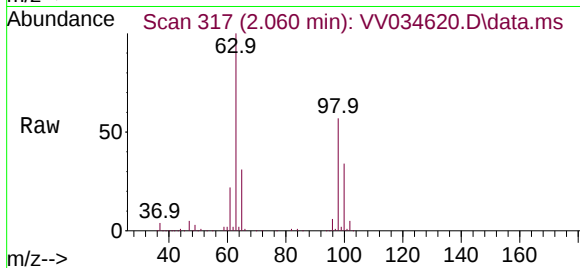
Tgt Ion:101 Resp: 1496

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.0#

151 0.0 61.4 92.2#



#12

1,1-Dichloroethene

Concen: 8.838 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034620.D

Acq: 14 Mar 2024 22:13

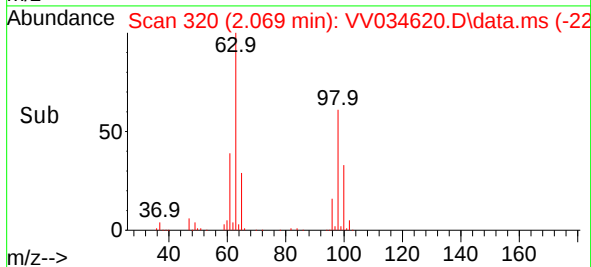
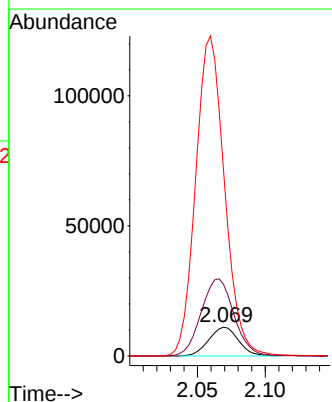
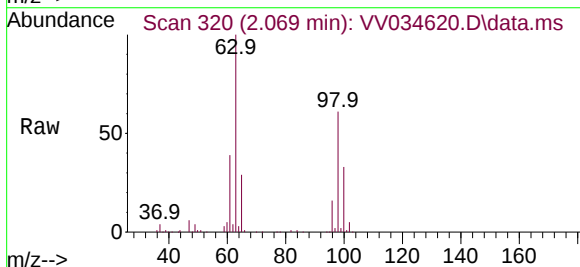
Tgt Ion: 96 Resp: 16868

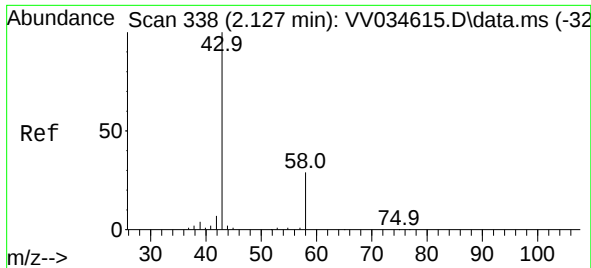
Ion Ratio Lower Upper

96 100

61 248.2 128.9 239.3#

63 643.4 98.0 182.0#





#13

Acetone

Concen: 52.704 ug/L

RT: 2.130 min Scan# 34

Delta R.T. 0.003 min

Lab File: VV034620.D

Acq: 14 Mar 2024 22:13

Instrument :

MSVOA\_V

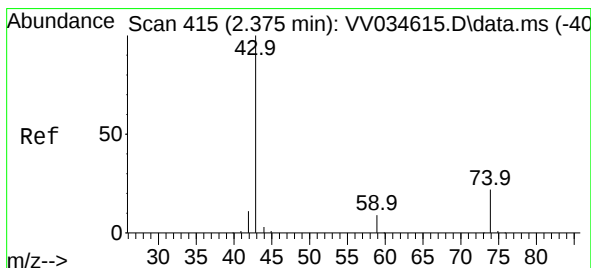
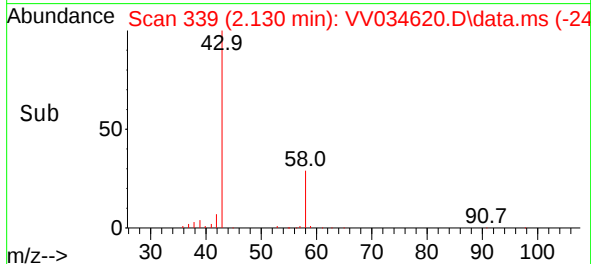
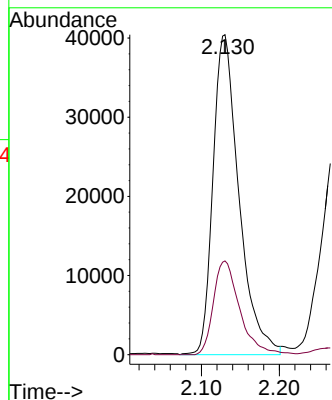
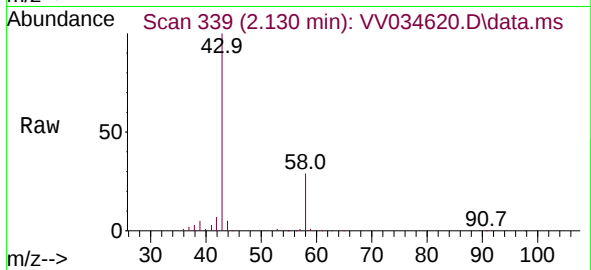
ClientSampleId :

Tgt Ion: 43 Resp: 93620

Ion Ratio Lower Upper

43 100

58 29.7 0.0 57.2



#15

Methyl Acetate

Concen: 53.898 ug/L

RT: 2.304 min Scan# 393

Delta R.T. -0.071 min

Lab File: VV034620.D

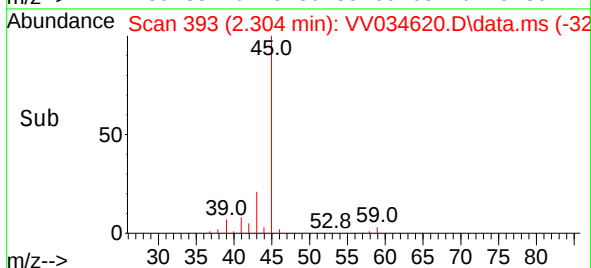
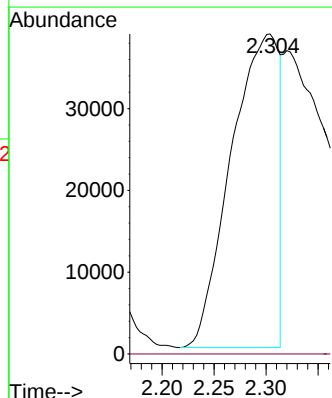
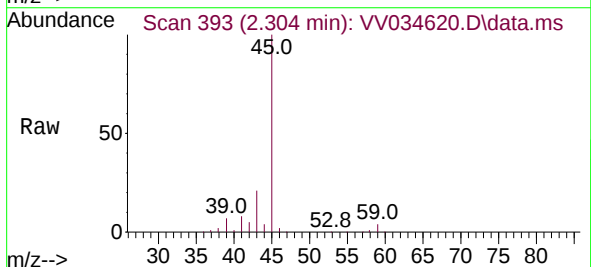
Acq: 14 Mar 2024 22:13

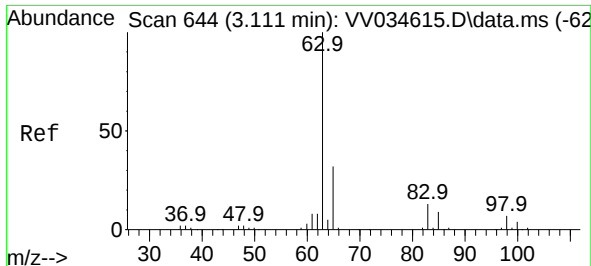
Tgt Ion: 43 Resp: 122486

Ion Ratio Lower Upper

43 100

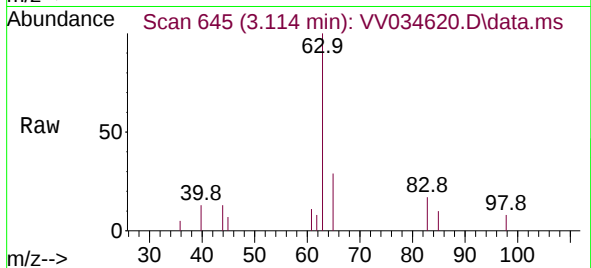
74 0.0 17.8 26.8#



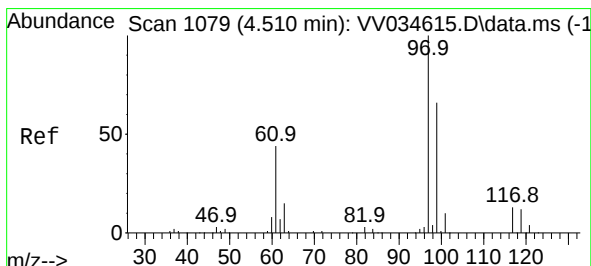
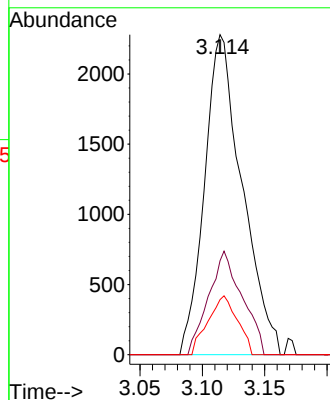
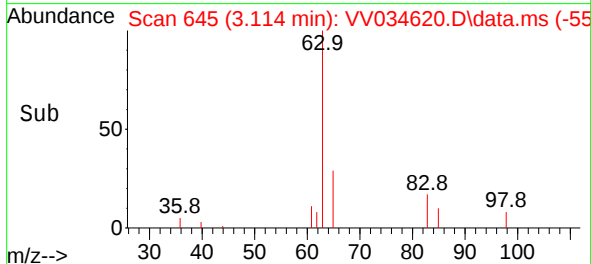


#19  
1,1-Dichloroethane  
Concen: 1.322 ug/L  
RT: 3.114 min Scan# 644  
Delta R.T. 0.003 min  
Lab File: VV034620.D  
Acq: 14 Mar 2024 22:13

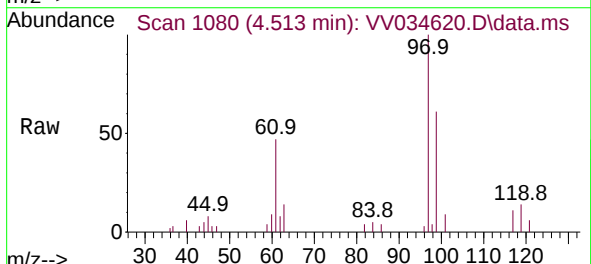
Instrument :  
MSVOA\_V  
ClientSampleId :



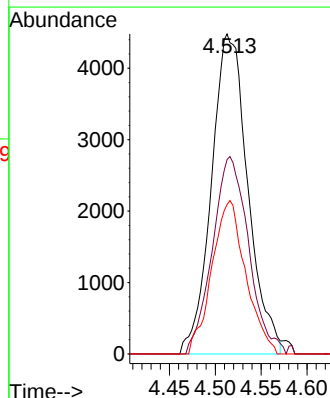
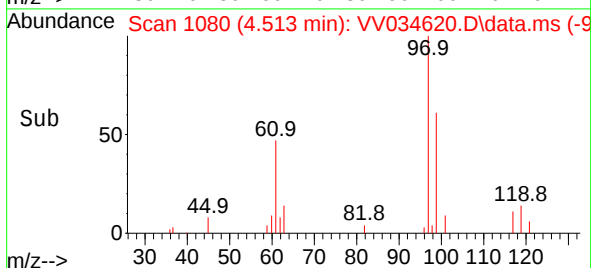
Tgt Ion: 63 Resp: 4785  
Ion Ratio Lower Upper  
63 100  
65 29.3 22.1 41.1  
83 17.2 9.9 18.3

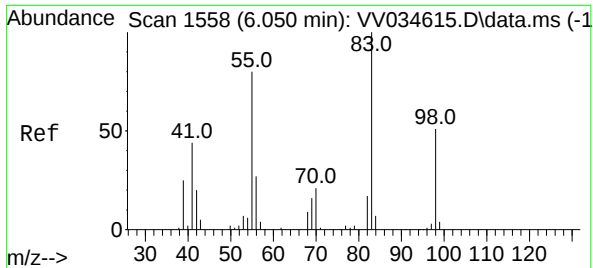


#30  
1,1,1-Trichloroethane  
Concen: 3.641 ug/L  
RT: 4.513 min Scan# 1080  
Delta R.T. 0.003 min  
Lab File: VV034620.D  
Acq: 14 Mar 2024 22:13



Tgt Ion: 97 Resp: 12361  
Ion Ratio Lower Upper  
97 100  
99 60.3 51.3 76.9  
61 44.6 36.0 54.0





#35  
Methylcyclohexane  
Concen: 10.472 ug/L  
RT: 5.985 min Scan# 1538  
Delta R.T. -0.064 min  
Lab File: VV034620.D  
Acq: 14 Mar 2024 22:13

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 83 Resp: 33254  
Ion Ratio Lower Upper  
83 100  
55 0.4 62.6 94.0#  
98 1.8 39.5 59.3#

