

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082624\  
 Data File : VV037062.D  
 Acq On : 27 Aug 2024 04:40  
 Operator : SY/MD  
 Sample : P3691-17  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 27 05:02:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 27 03:16:59 2024  
 Response via : Initial Calibration

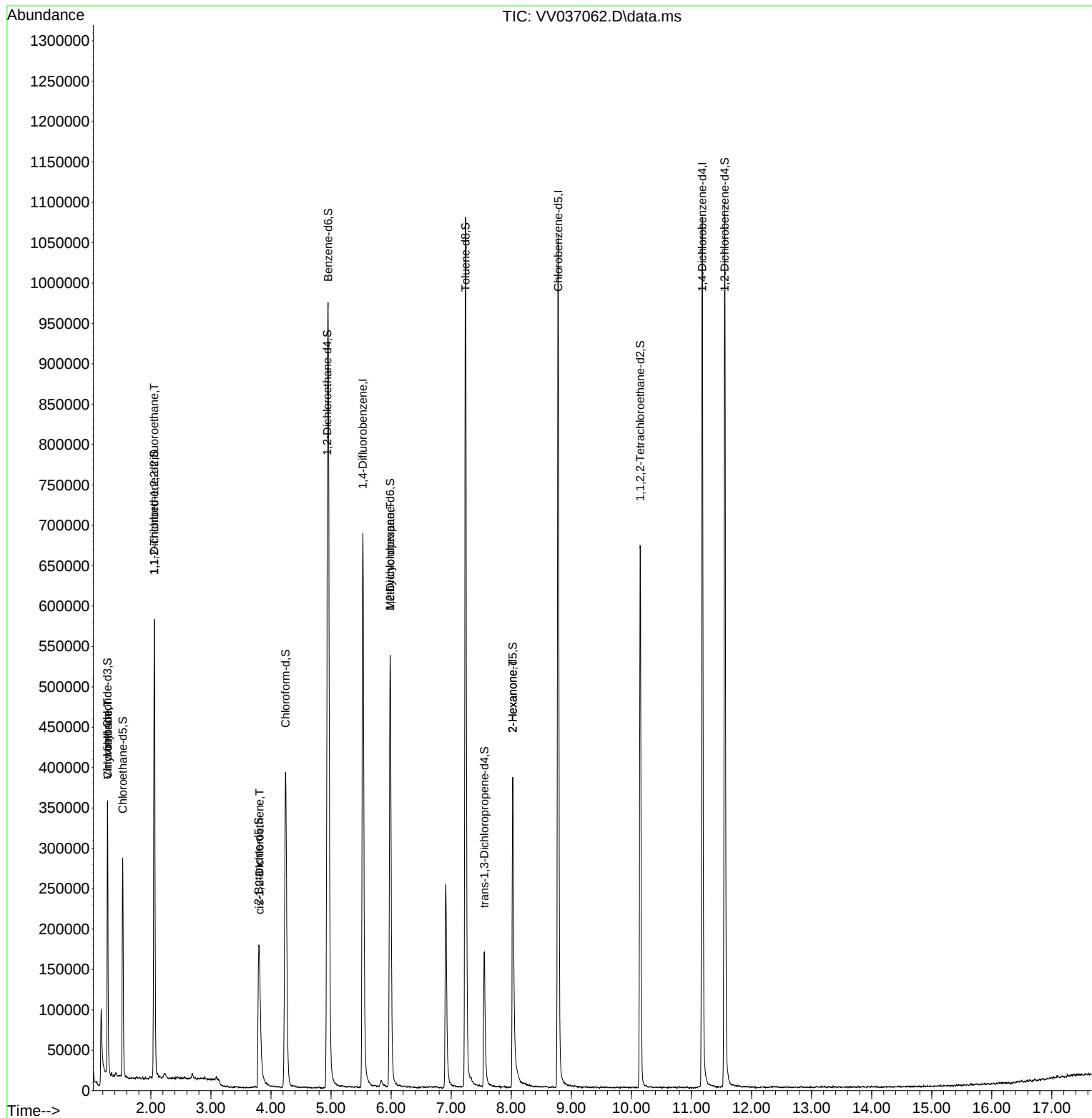
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114            | 596404   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117            | 576270   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152            | 269854   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65             | 202400   | 37.099  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 74.200%  |          |
| 7) Chloroethane-d5            | 1.532   | 69             | 182626   | 43.313  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 86.620%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65             | 96389    | 42.036  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 84.080%  |          |
| 21) 2-Butanone-d5             | 3.796   | 46             | 216433   | 102.444 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 102.440% |          |
| 24) Chloroform-d              | 4.243   | 84             | 414371   | 48.529  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 97.060%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65             | 263920   | 49.082  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 98.160%  |          |
| 32) Benzene-d6                | 4.953   | 84             | 818645   | 47.033  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 94.060%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67             | 268323   | 49.219  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 98.440%  |          |
| 41) Toluene-d8                | 7.239   | 98             | 718995   | 45.771  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 91.540%  |          |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79             | 102156   | 40.503  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 81.000%  |          |
| 47) 2-Hexanone-d5             | 8.024   | 63             | 135055   | 90.771  | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 90.770%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84             | 324709   | 49.110  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 98.220%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152            | 267417   | 49.479  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 98.960%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 5) Vinyl chloride             | 1.282   | 62             | 24655    | 4.634   | ug/L #   | 40       |
| 8) Chloroethane               | 1.282   | 64             | 12751    | 3.918   | ug/L     | 90       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.056   | 101            | 2932     | 0.710   | ug/L #   | 24       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96             | 38799    | 8.693   | ug/L     | 98       |
| 35) Methylcyclohexane         | 5.986   | 83             | 62233    | 8.726   | ug/L #   | 19       |
| 48) 2-Hexanone                | 8.024   | 43             | 16721    | 4.770   | ug/L #   | 77       |

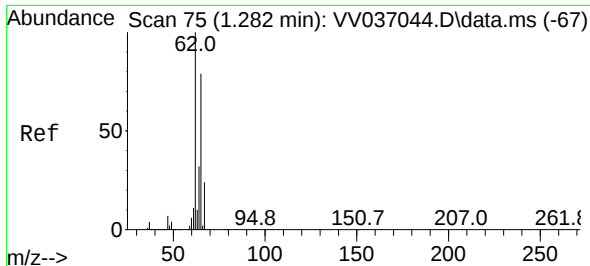
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Aug 27 03:16:59 2024  
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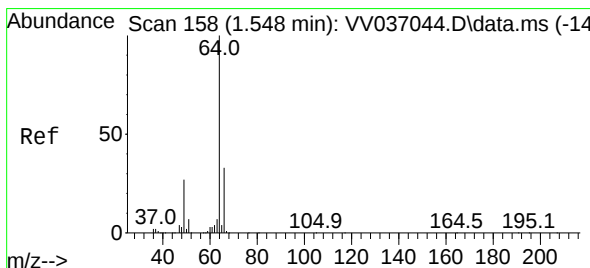
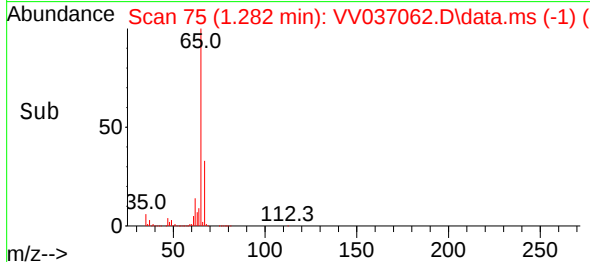
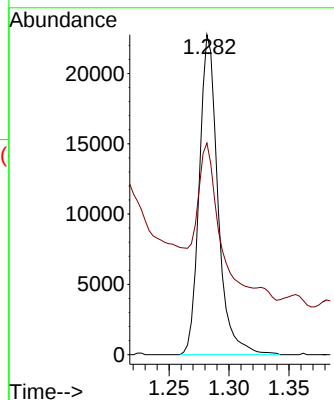
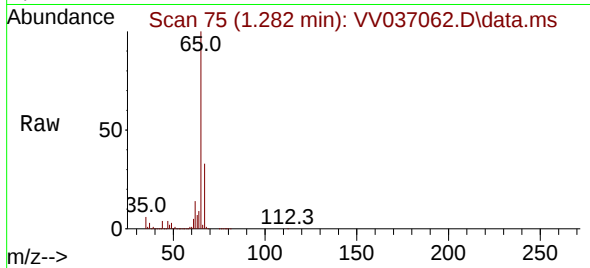




#5  
 Vinyl chloride  
 Concen: 4.634 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VV037062.D  
 Acq: 27 Aug 2024 04:40

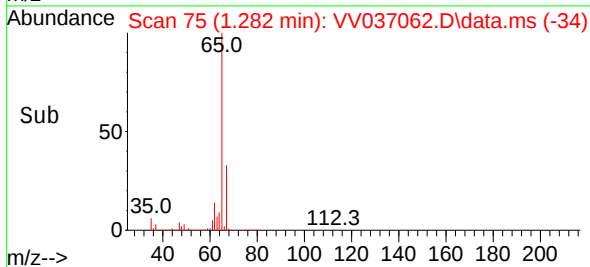
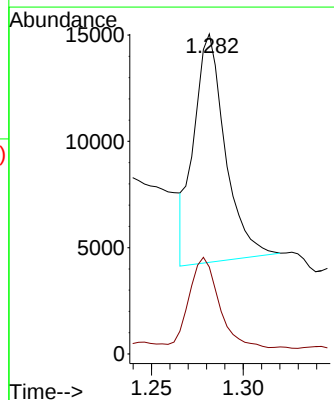
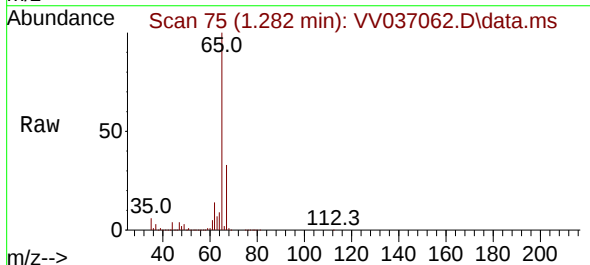
Instrument :  
 MSVOA\_V  
 ClientSampleId :

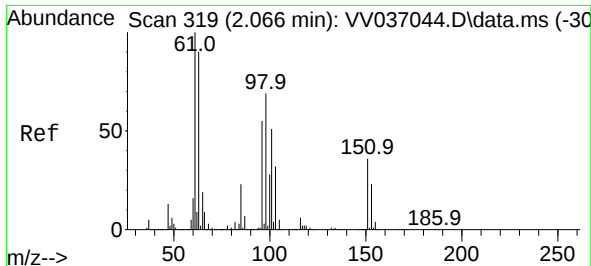
Tgt Ion: 62 Resp: 24655  
 Ion Ratio Lower Upper  
 62 100  
 64 66.1 22.8 42.4#



#8  
 Chloroethane  
 Concen: 3.918 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. -0.267 min  
 Lab File: VV037062.D  
 Acq: 27 Aug 2024 04:40

Tgt Ion: 64 Resp: 12751  
 Ion Ratio Lower Upper  
 64 100  
 66 27.1 22.8 42.4

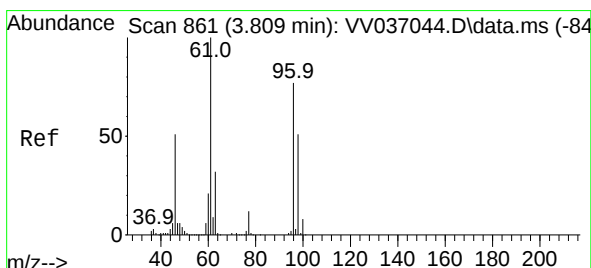
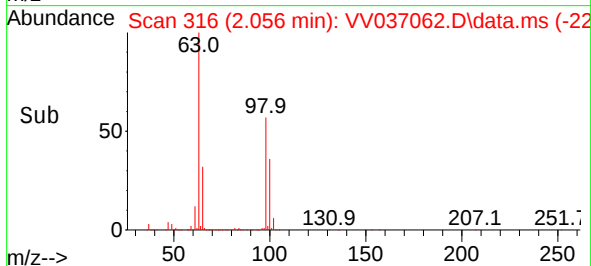
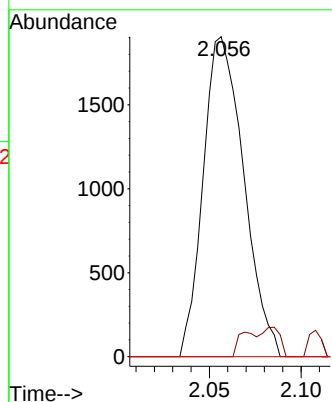
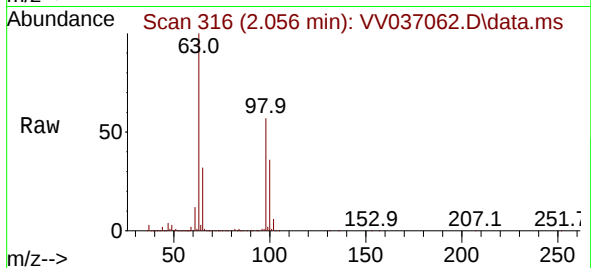




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.710 ug/L  
RT: 2.056 min Scan# 319  
Delta R.T. -0.010 min  
Lab File: VV037062.D  
Acq: 27 Aug 2024 04:40

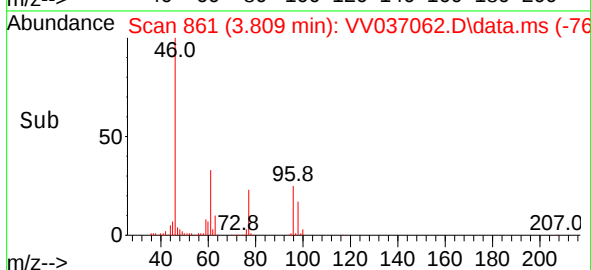
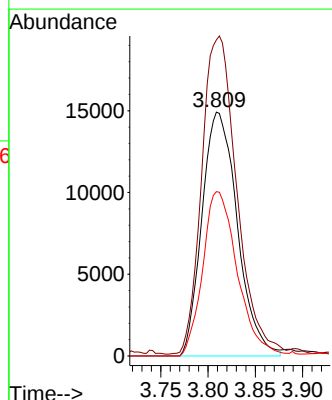
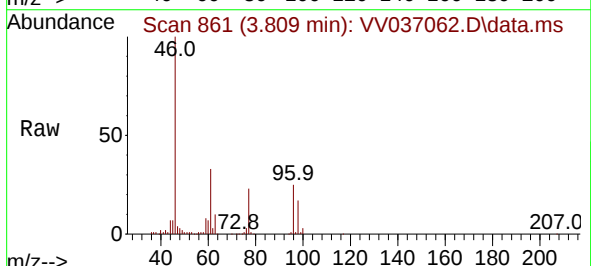
Instrument :  
MSVOA\_V  
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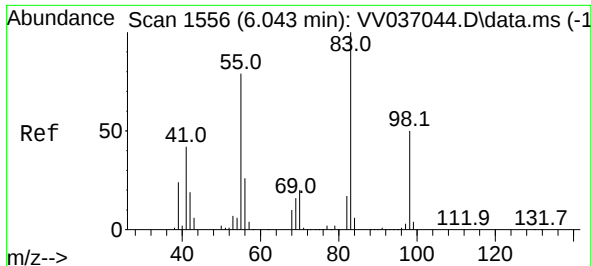
Tgt Ion:101 Resp: 2932  
Ion Ratio Lower Upper  
101 100  
85 3.5 35.6 53.4#  
151 0.0 55.0 82.4#



#20  
cis-1,2-Dichloroethene  
Concen: 8.693 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VV037062.D  
Acq: 27 Aug 2024 04:40

Tgt Ion: 96 Resp: 38799  
Ion Ratio Lower Upper  
96 100  
61 129.5 89.9 166.9  
98 67.4 44.8 83.2





#35

Methylcyclohexane

Concen: 8.726 ug/L

RT: 5.986 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV037062.D

Acq: 27 Aug 2024 04:40

Instrument :

MSVOA\_V

ClientSampleId :

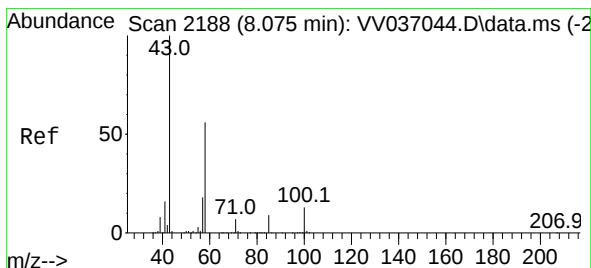
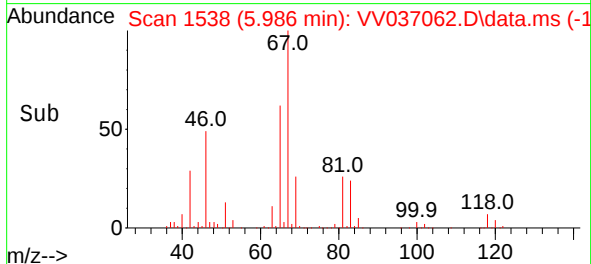
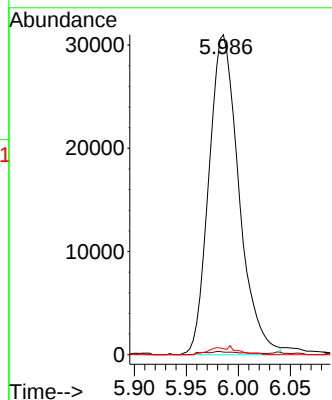
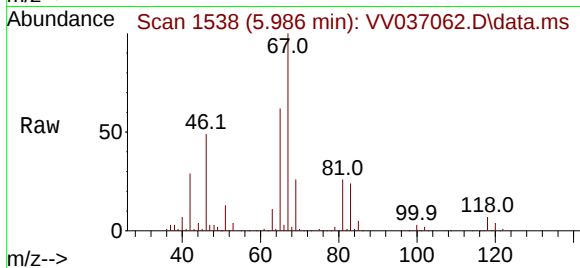
Tgt Ion: 83 Resp: 62233

Ion Ratio Lower Upper

83 100

55 0.2 61.2 91.8#

98 1.3 39.3 58.9#



#48

2-Hexanone

Concen: 4.770 ug/L

RT: 8.024 min Scan# 2172

Delta R.T. -0.051 min

Lab File: VV037062.D

Acq: 27 Aug 2024 04:40

Tgt Ion: 43 Resp: 16721

Ion Ratio Lower Upper

43 100

58 41.5 46.0 69.0#

57 30.8 15.6 23.4#

100 2.5 10.6 16.0#

