

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051622\  
 Data File : VW025916.D  
 Acq On : 16 May 2022 17:06  
 Operator : SY/MD  
 Sample : N2831-10  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

Quant Time: May 17 08:03:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 17 07:58:29 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc    | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|-----------|----------|
| -----                         |        |                |          |         |           |          |
| Internal Standards            |        |                |          |         |           |          |
| 1) 1,4-Difluorobenzene        | 5.657  | 114            | 189      | 5.000   | ug/L      | # 0.05   |
| 28) Chlorobenzene-d5          | 8.863  | 117            | 440      | 5.000   | ug/L      | # 0.01   |
| 58) 1,4-Dichlorobenzene-d4    | 11.255 | 152            | 1171     | 5.000   | ug/L      | 0.00     |
|                               |        |                |          |         |           |          |
| System Monitoring Compounds   |        |                |          |         |           |          |
| 4) Vinyl Chloride-d3          | 1.310  | 65             | 149      | 9.545   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =       | 191.000%# |          |
| 7) Chloroethane-d5            | 1.535  | 69             | 47       | 3.516   | ug/L      | -0.03    |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =       | 70.400%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 326      | 9.435   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =       | 188.800%# |          |
| 20) 2-Butanone-d5             | 3.895  | 46             | 197      | 108.978 | ug/L      | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =       | 217.960%# |          |
| 24) Chloroform-d              | 4.346  | 84             | 46       | 1.804   | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 36.000%#  |          |
| 26) 1,2-Dichloroethane-d4     | 0.000  | 65             | 0        | 0.000   | ug/L      |          |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 0.000%#   |          |
| 32) Benzene-d6                | 5.066  | 84             | 184      | 1.610   | ug/L      | 0.02     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 32.200%#  |          |
| 36) 1,2-Dichloropropane-d6    | 0.000  | 67             | 0        | 0.000   | ug/L      |          |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =       | 0.000%#   |          |
| 41) Toluene-d8                | 7.346  | 98             | 420      | 3.954   | ug/L      | 0.04     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 79.000%   |          |
| 43) trans-1,3-Dichloroprop... | 0.000  | 79             | 0        | 0.000   | ug/L      |          |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =       | 0.000%#   |          |
| 46) 2-Hexanone-d5             | 0.000  | 63             | 0        | 0.000   | ug/L      |          |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =       | 0.000%#   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 0.000  | 84             | 0        | 0.000   | ug/L      |          |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =       | 0.000%#   |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.635 | 152            | 662      | 3.971   | ug/L      | 0.01     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =       | 79.400%#  |          |
|                               |        |                |          |         |           |          |
| Target Compounds              |        |                |          |         |           | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.134  | 85             | 45       | 2.208   | ug/L #    | 42       |
| 3) Chloromethane              | 1.252  | 50             | 614      | 25.788  | ug/L #    | 41       |
| 5) Vinyl chloride             | 1.185  | 62             | 22       | 0.879   | ug/L #    | 1        |
| 6) Bromomethane               | 1.526  | 94             | 150      | 10.289  | ug/L      | 90       |
| 8) Chloroethane               | 1.552  | 64             | 1961     | 120.716 | ug/L #    | 51       |
| 12) 1,1-Dichloroethene        | 2.114  | 96             | 40       | 2.202   | ug/L      | 73       |
| 13) Acetone                   | 2.182  | 43             | 632      | 362.634 | ug/L      | 74       |
| 14) Carbon disulfide          | 2.294  | 76             | 844      | 18.034  | ug/L #    | 76       |
| 15) Methyl Acetate            | 2.442  | 43             | 176      | 44.331  | ug/L #    | 46       |
| 16) Methylene chloride        | 2.506  | 84             | 13122    | 711.644 | ug/L      | 96       |
| 21) 2-Butanone                | 3.992  | 43             | 78       | 31.166  | ug/L #    | 55       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96             | 20       | 1.236   | ug/L #    | 41       |
| 25) Chloroform                | 4.397  | 83             | 67       | 2.204   | ug/L #    | 17       |
| 34) Trichloroethene           | 5.928  | 95             | 154      | 4.047   | ug/L #    | 43       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43             | 83       | 5.105   | ug/L #    | 43       |
| 48) 2-Hexanone                | 8.172  | 43             | 73       | 6.351   | ug/L #    | 37       |
| 71) Naphthalene               | 13.516 | 128            | 86       | 0.274   | ug/L #    | 69       |
| -----                         |        |                |          |         |           |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051622\  
Data File : VV025916.D  
Acq On : 16 May 2022 17:06  
Operator : SY/MD  
Sample : N2831-10  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

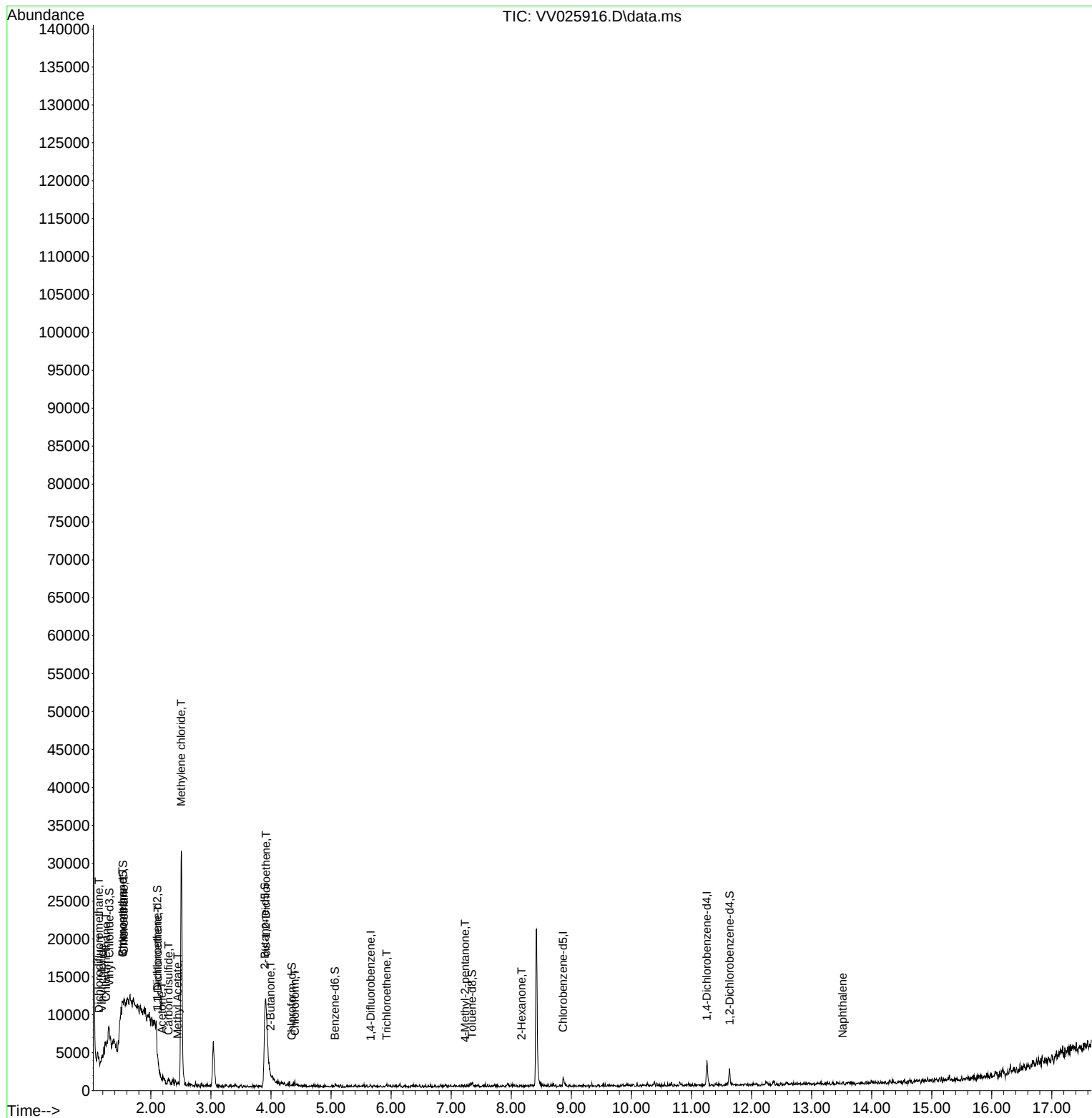
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 17 07:58:29 2022  
Response via : Initial Calibration

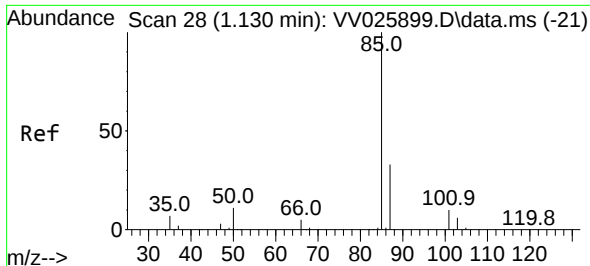
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051622\  
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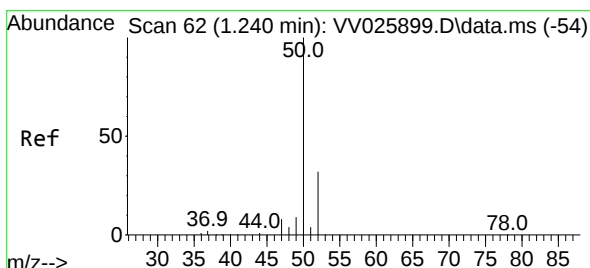
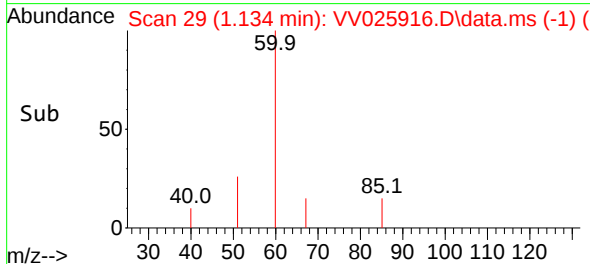
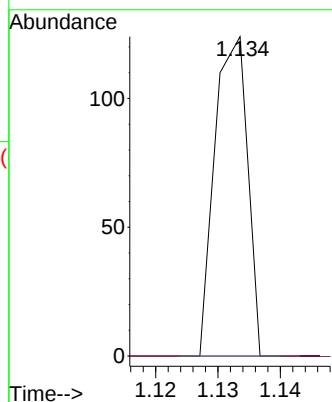
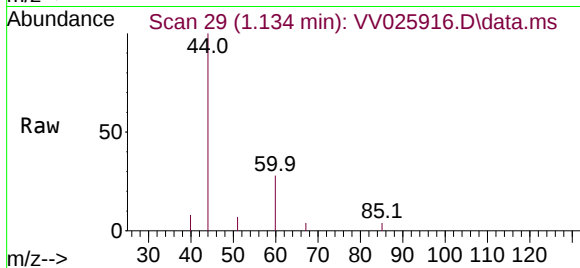




#2  
 Dichlorodifluoromethane  
 Concen: 2.208 ug/L  
 RT: 1.134 min Scan# 24  
 Delta R.T. 0.003 min  
 Lab File: VV025916.D  
 Acq: 16 May 2022 17:06

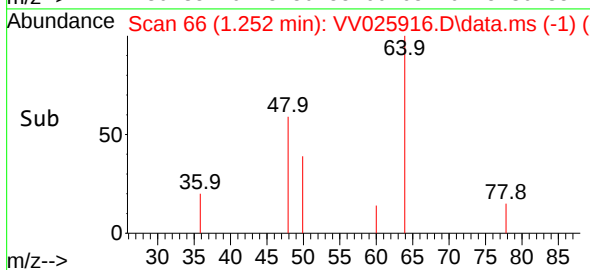
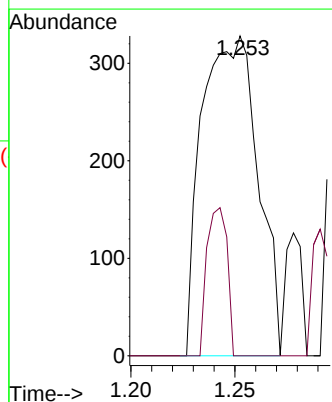
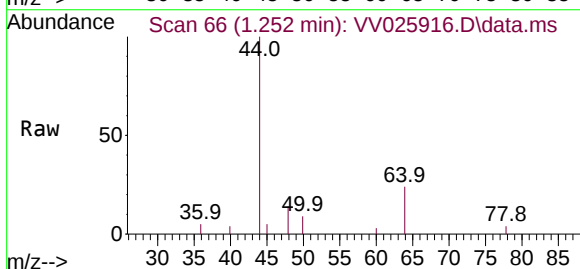
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

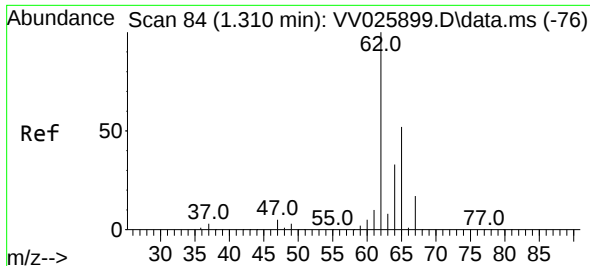
Tgt Ion: 85 Resp: 45  
 Ion Ratio Lower Upper  
 85 100  
 87 0.0 26.0 39.0#



#3  
 Chloromethane  
 Concen: 25.788 ug/L  
 RT: 1.252 min Scan# 66  
 Delta R.T. 0.013 min  
 Lab File: VV025916.D  
 Acq: 16 May 2022 17:06

Tgt Ion: 50 Resp: 614  
 Ion Ratio Lower Upper  
 50 100  
 52 0.0 23.9 44.3#

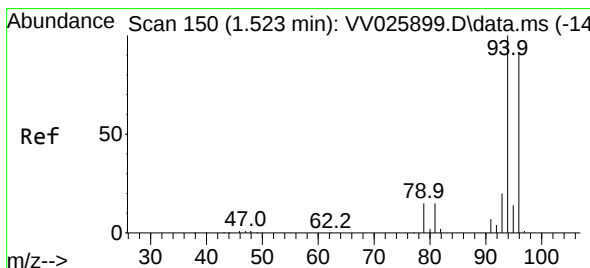
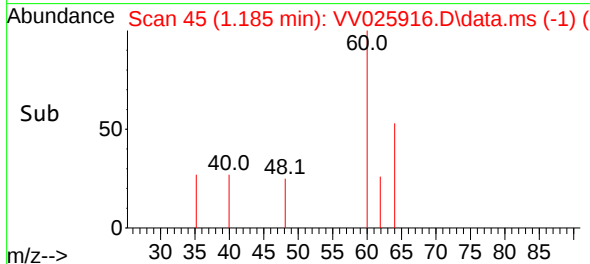
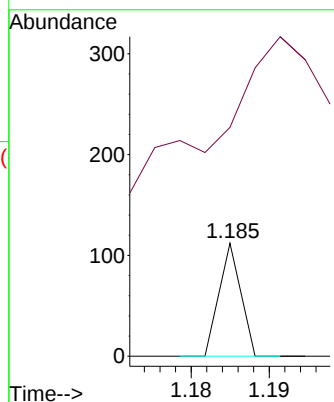
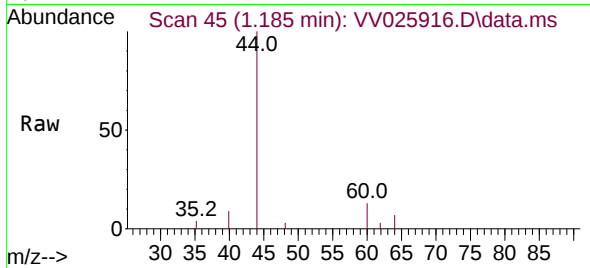




#5  
 Vinyl chloride  
 Concen: 0.879 ug/L  
 RT: 1.185 min Scan# 41  
 Delta R.T. -0.125 min  
 Lab File: VV025916.D  
 Acq: 16 May 2022 17:06

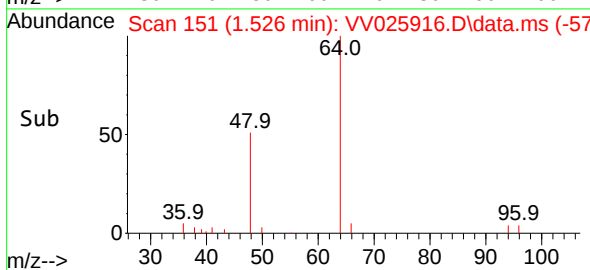
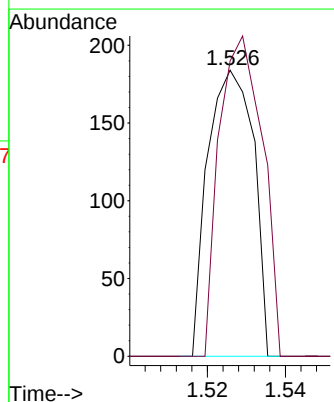
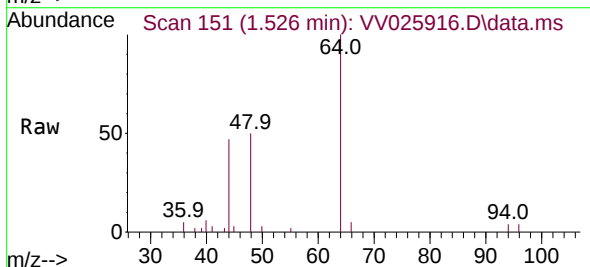
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

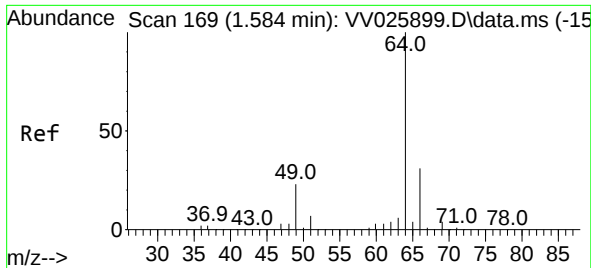
Tgt Ion: 62 Resp: 22  
 Ion Ratio Lower Upper  
 62 100  
 64 202.7 22.9 42.5#



#6  
 Bromomethane  
 Concen: 10.289 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. 0.003 min  
 Lab File: VV025916.D  
 Acq: 16 May 2022 17:06

Tgt Ion: 94 Resp: 150  
 Ion Ratio Lower Upper  
 94 100  
 96 103.3 65.4 121.4

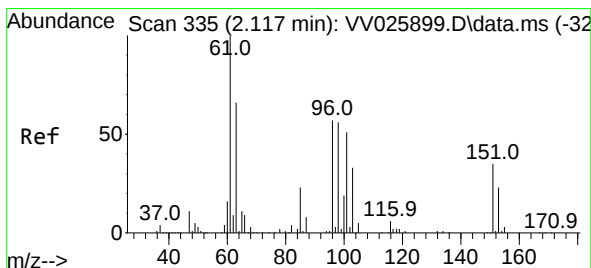
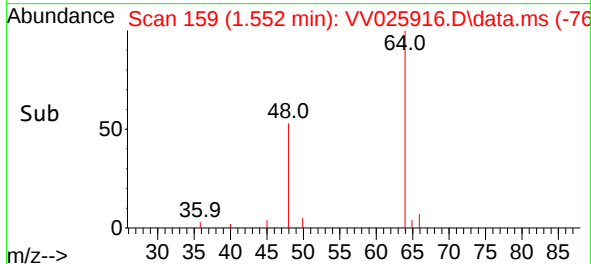
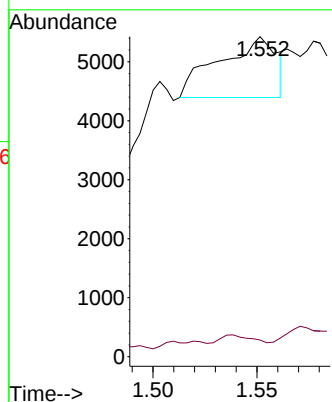
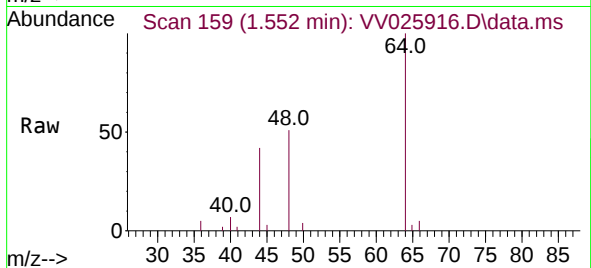




#8  
Chloroethane  
Concen: 120.716 ug/L  
RT: 1.552 min Scan# 11  
Delta R.T. -0.032 min  
Lab File: VV025916.D  
Acq: 16 May 2022 17:06

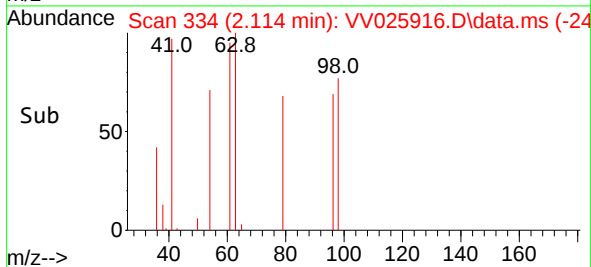
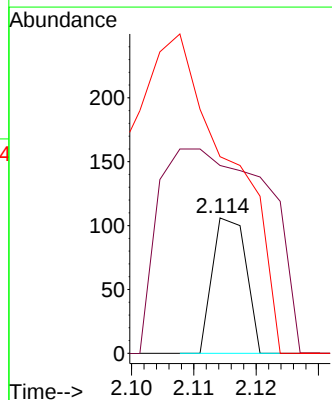
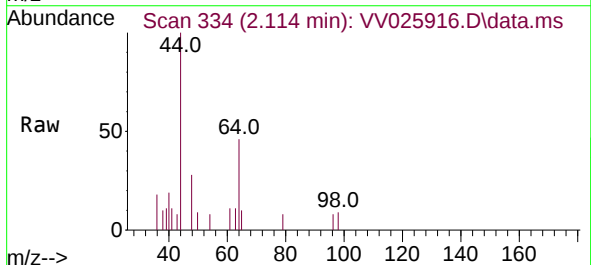
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

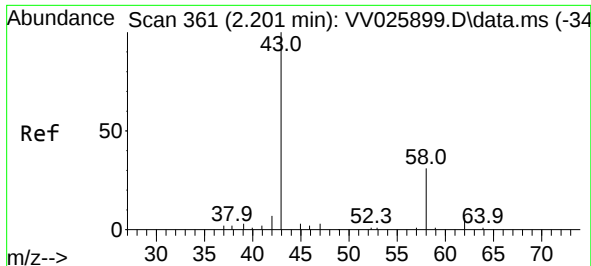
Tgt Ion: 64 Resp: 1961  
Ion Ratio Lower Upper  
64 100  
66 5.2 22.9 42.5#



#12  
1,1-Dichloroethene  
Concen: 2.202 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV025916.D  
Acq: 16 May 2022 17:06

Tgt Ion: 96 Resp: 40  
Ion Ratio Lower Upper  
96 100  
61 138.7 119.8 222.6  
63 145.3 78.3 145.3





#13

Acetone

Concen: 362.634 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.019 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

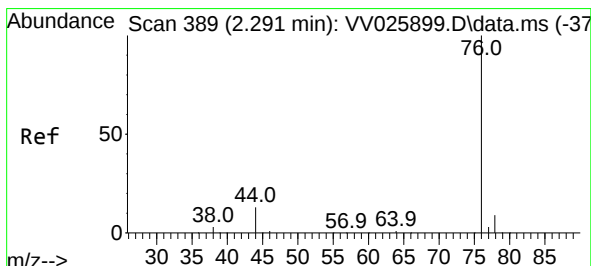
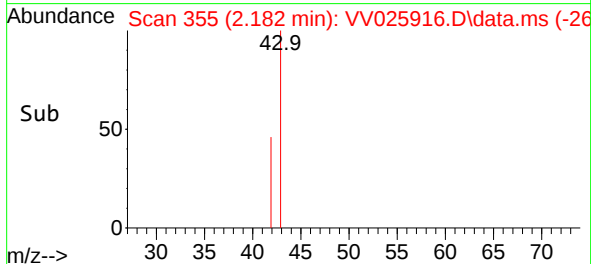
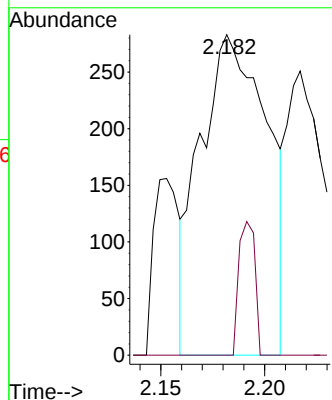
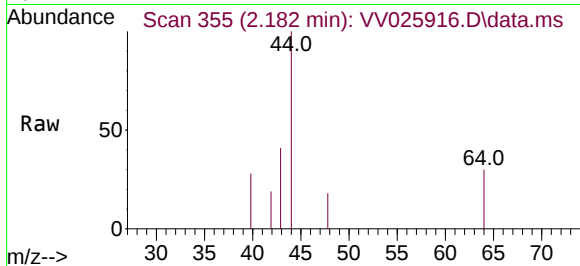
VHBLK001

Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

58 10.0 0.0 44.6



#14

Carbon disulfide

Concen: 18.034 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV025916.D

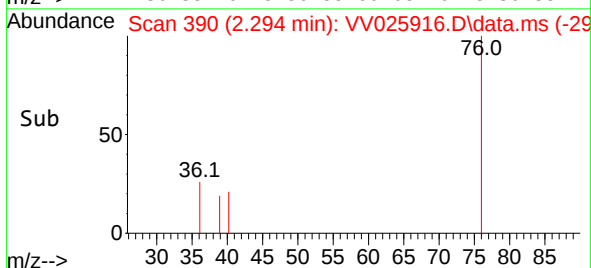
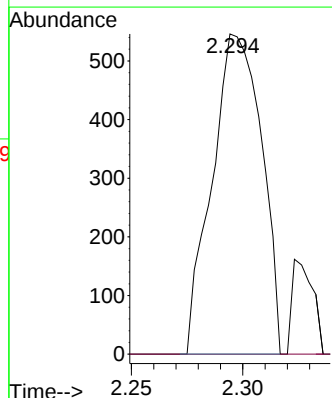
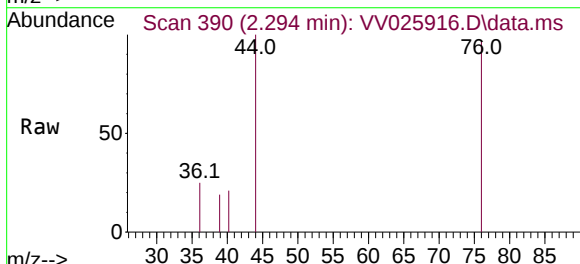
Acq: 16 May 2022 17:06

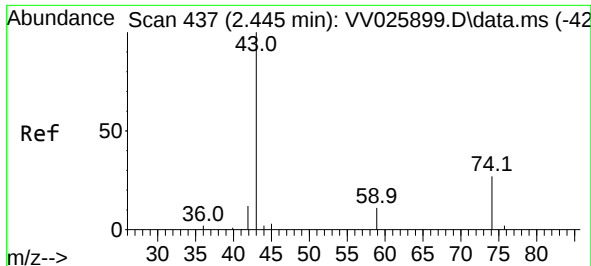
Tgt Ion: 76 Resp: 844

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#





#15

Methyl Acetate

Concen: 44.331 ug/L

RT: 2.442 min Scan# 437

Delta R.T. -0.003 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

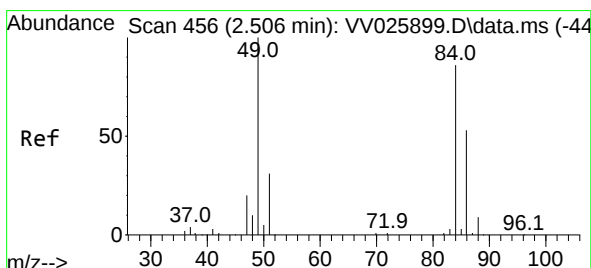
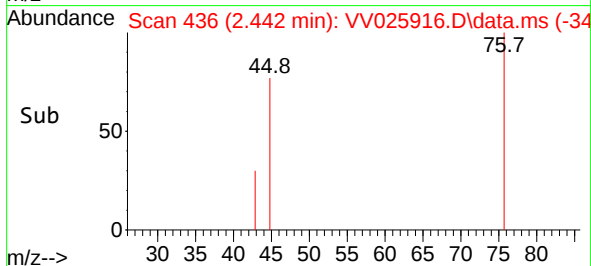
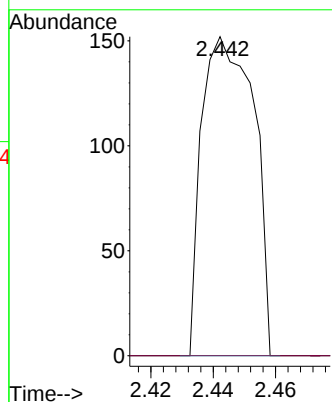
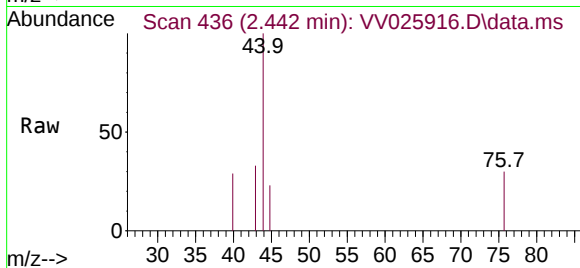
VHBLK001

Tgt Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#



#16

Methylene chloride

Concen: 711.644 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

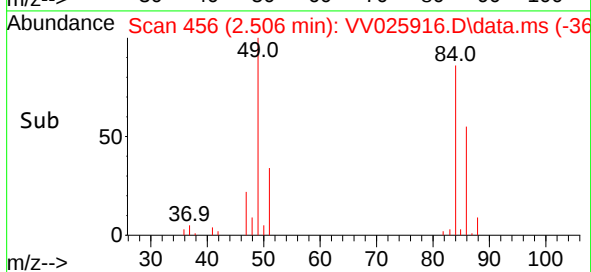
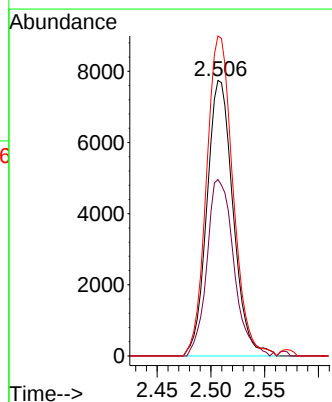
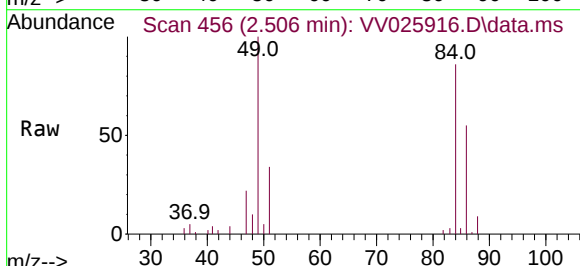
Tgt Ion: 84 Resp: 13122

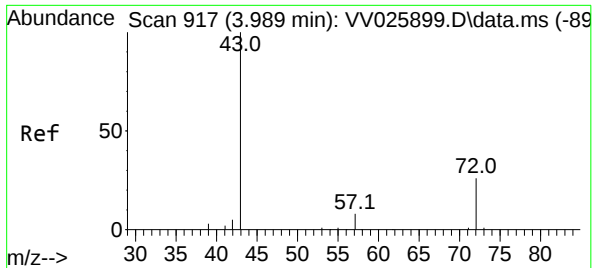
Ion Ratio Lower Upper

84 100

86 64.0 45.4 84.2

49 116.2 85.6 159.0





#21

2-Butanone

Concen: 31.166 ug/L

RT: 3.992 min Scan# 918

Delta R.T. 0.003 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

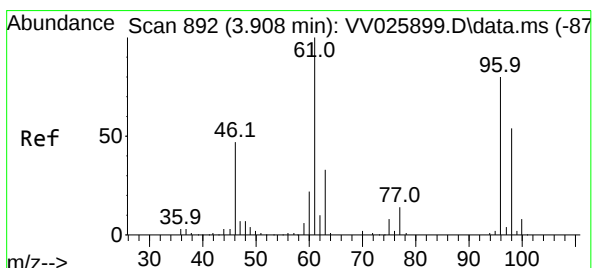
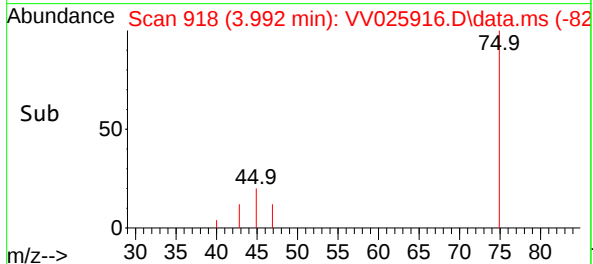
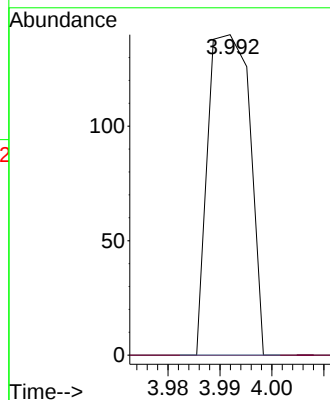
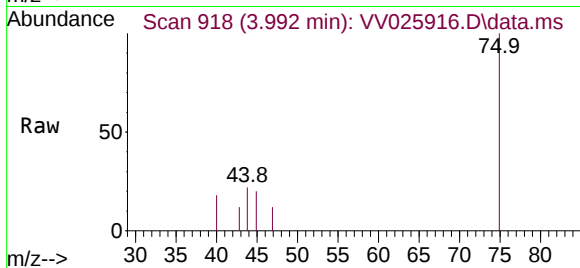
VHBLK001

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

72 0.0 10.5 31.6#



#22

cis-1,2-Dichloroethene

Concen: 1.236 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

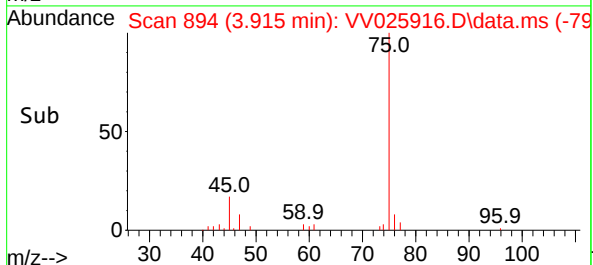
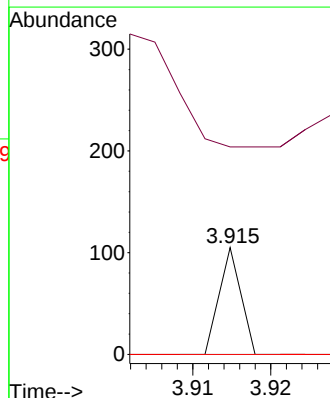
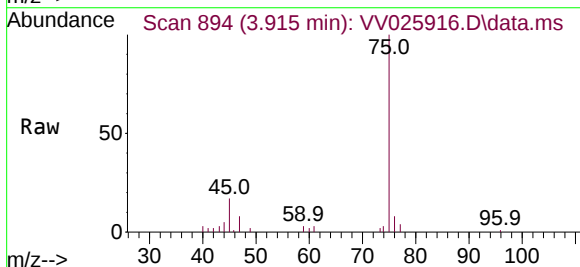
Tgt Ion: 96 Resp: 20

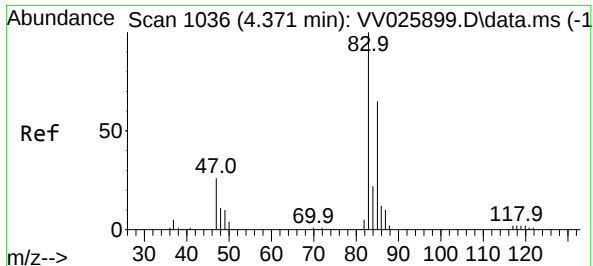
Ion Ratio Lower Upper

96 100

61 194.3 88.9 165.1#

68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.204 ug/L

RT: 4.397 min Scan# 1

Delta R.T. 0.026 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

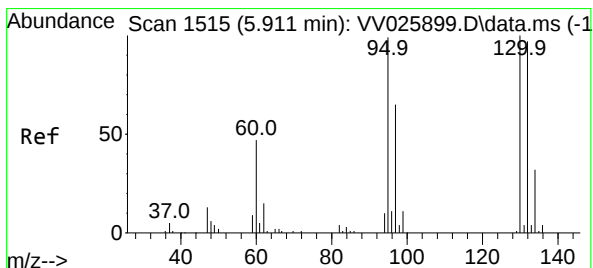
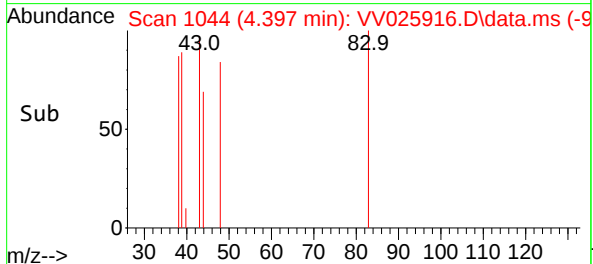
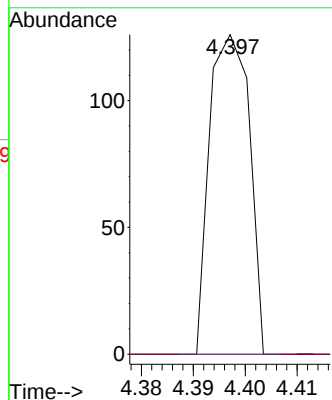
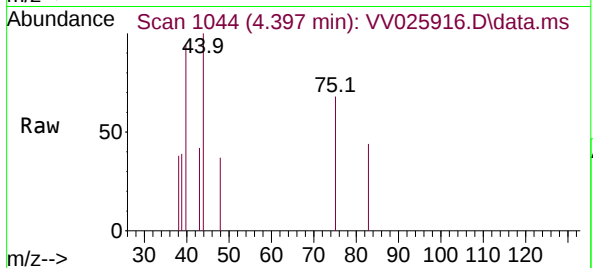
VHBLK001

Tgt Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

85 0.0 46.1 85.7#



#34

Trichloroethene

Concen: 4.047 ug/L

RT: 5.928 min Scan# 1520

Delta R.T. 0.016 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Tgt Ion: 95 Resp: 154

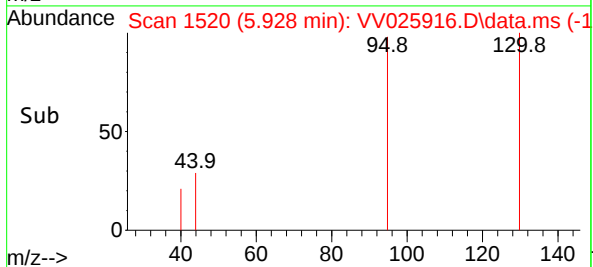
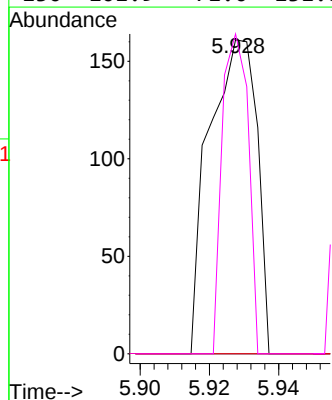
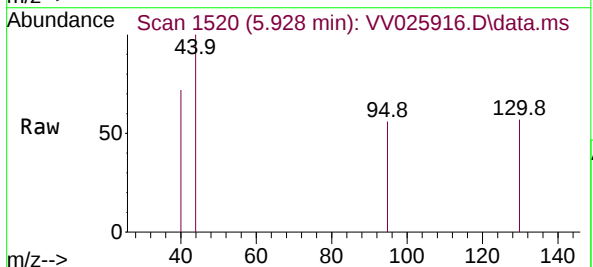
Ion Ratio Lower Upper

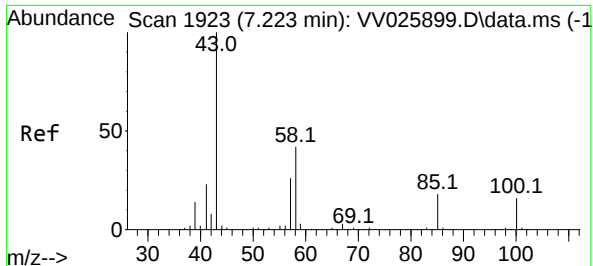
95 100

97 0.0 44.9 83.3#

132 0.0 67.6 125.6#

130 101.9 71.0 131.8





#40

4-Methyl-2-pentanone

Concen: 5.105 ug/L

RT: 7.230 min Scan# 1923

Delta R.T. 0.006 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK001

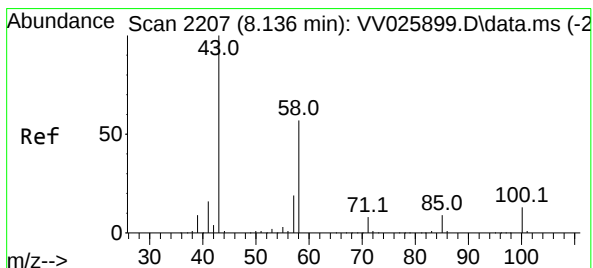
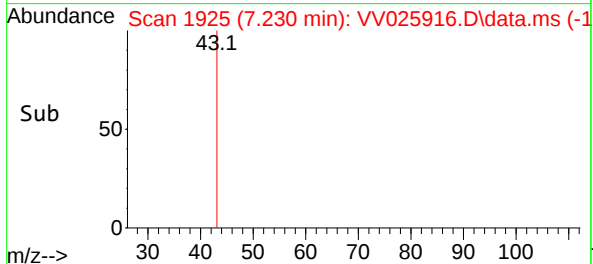
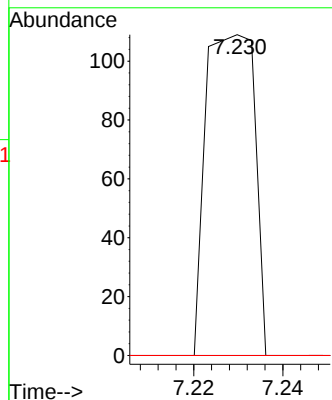
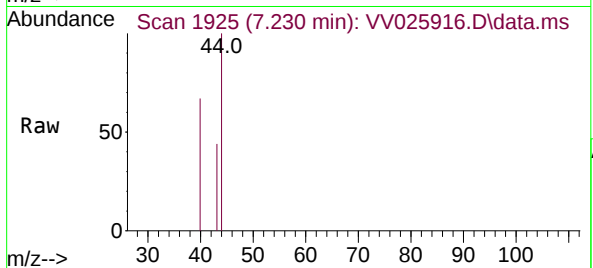
Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

58 0.0 31.6 47.4#

100 0.0 12.2 18.4#



#48

2-Hexanone

Concen: 6.351 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.035 min

Lab File: VV025916.D

Acq: 16 May 2022 17:06

Tgt Ion: 43 Resp: 73

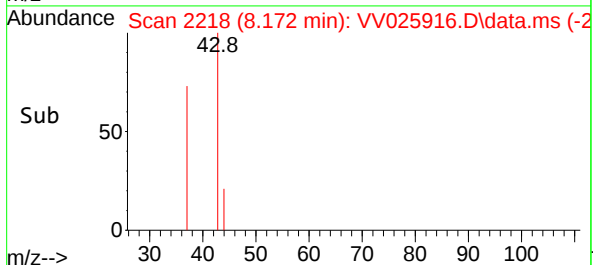
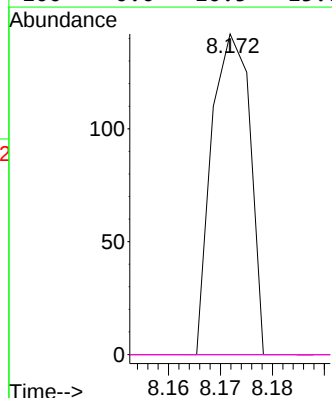
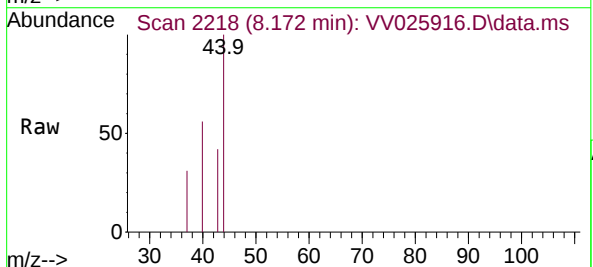
Ion Ratio Lower Upper

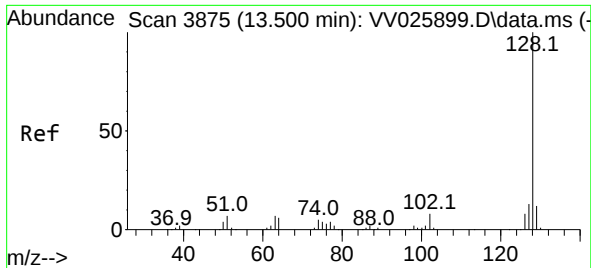
43 100

58 0.0 44.7 67.1#

57 0.0 14.9 22.3#

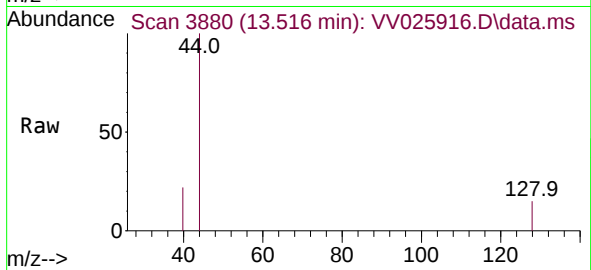
100 0.0 10.5 15.7#





#71  
Naphthalene  
Concen: 0.274 ug/L  
RT: 13.516 min Scan# 3880  
Delta R.T. 0.016 min  
Lab File: VV025916.D  
Acq: 16 May 2022 17:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001



Tgt Ion:128 Resp: 86  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.8 13.2#  
127 0.0 10.4 15.6#

