

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121323\  
 Data File : VW033284.D  
 Acq On : 13 Dec 2023 18:22  
 Operator : SY/MD  
 Sample : 05731-10  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EOY56

Quant Time: Dec 13 23:34:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 13 23:30:39 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2023  
 Supervised By : Mahesh Dadoda 12/18/2023

| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 5.532     | 114            | 120789   | 5.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786     | 117            | 120516   | 5.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188    | 152            | 61983    | 5.000      | ug/L  | 0.00     |
|                               |           |                |          |            |       |          |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.275     | 65             | 40422    | 5.220      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 104.400% |       |          |
| 7) Chloroethane-d5            | 1.532     | 69             | 30723    | 5.335      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 106.600% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.056     | 65             | 16365    | 5.310      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 106.200% |       |          |
| 20) 2-Butanone-d5             | 3.860     | 46             | 49048m   | 53.526     | ug/L  | 0.03     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 107.060% |       |          |
| 24) Chloroform-d              | 4.246     | 84             | 87438    | 5.414      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 108.200% |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.944     | 65             | 40974    | 5.838      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 116.800% |       |          |
| 32) Benzene-d6                | 4.960     | 84             | 163273   | 5.237      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 104.800% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.989     | 67             | 39496    | 5.566      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 111.400% |       |          |
| 41) Toluene-d8                | 7.243     | 98             | 152302   | 5.013      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 100.200% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.554     | 79             | 16386    | 5.062      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 101.200% |       |          |
| 46) 2-Hexanone-d5             | 8.034     | 63             | 50440    | 55.813     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 111.620% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152    | 84             | 27130    | 5.653      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 113.000% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561    | 152            | 62781    | 5.751      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 115.000% |       |          |
|                               |           |                |          |            |       |          |
| Target Compounds              |           |                |          |            |       | Qvalue   |
| 5) Vinyl chloride             | 1.281     | 62             | 1948     | 0.223      | ug/L  | # 48     |
| 22) cis-1,2-Dichloroethene    | 3.821     | 96             | 7333     | 0.848      | ug/L  | 94       |
| 33) Benzene                   | 5.014     | 78             | 9454     | 0.293      | ug/L  | 100      |
| 34) Trichloroethene           | 5.834     | 95             | 14806    | 1.573      | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.050     | 83             | 4222     | 0.303      | ug/L  | # 83     |
| 42) Toluene                   | 7.320     | 91             | 28148    | 0.761      | ug/L  | 100      |
| 47) Tetrachloroethene         | 7.911     | 164            | 3112     | 0.349      | ug/L  | 94       |
| 52) Ethylbenzene              | 8.953     | 91             | 6752     | 0.163      | ug/L  | 96       |
| 53) m,p-Xylene                | 9.072     | 106            | 4415     | 0.259      | ug/L  | 90       |
| 54) o-Xylene                  | 9.480     | 106            | 1909     | 0.118      | ug/L  | 91       |
| 63) 1,2,4-Trimethylbenzene    | 10.853    | 105            | 3960     | 0.119      | ug/L  | 93       |
| -----                         |           |                |          |            |       |          |

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

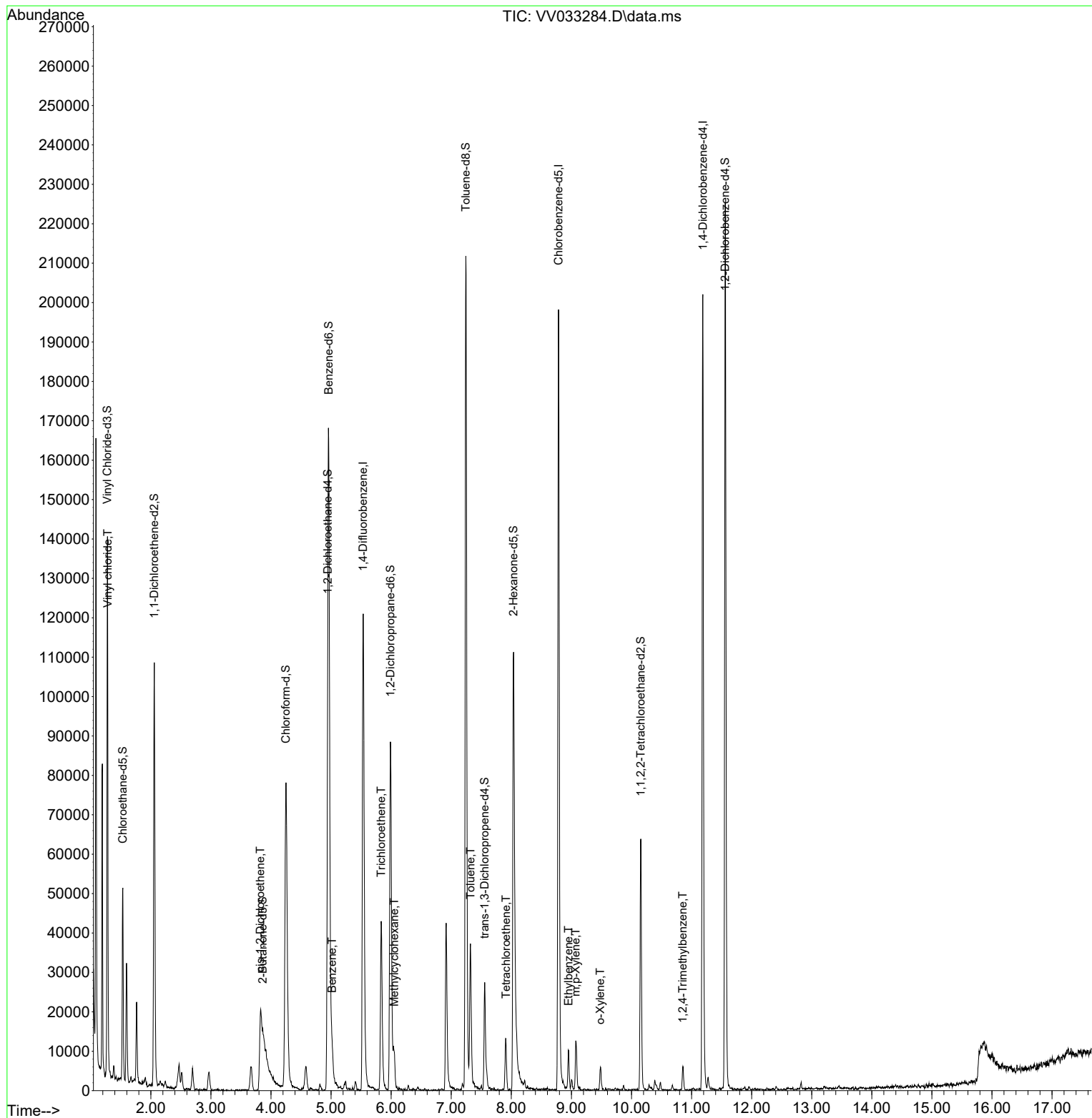
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121323\  
Data File : VV033284.D  
Acq On : 13 Dec 2023 18:22  
Operator : SY/MD  
Sample : 05731-10  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

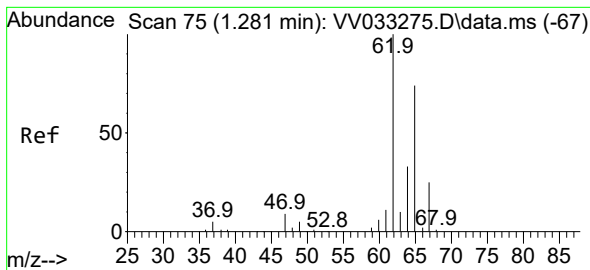
Instrument :  
MSVOA\_V  
ClientSampleId :  
EOY56

Manual Integrations  
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Quant Time: Dec 13 23:34:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121323WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Dec 13 23:30:39 2023  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.223 ug/L

RT: 1.281 min Scan# 71

Delta R.T. -0.000 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA\_V

ClientSampleId :

E0Y56

Tgt Ion: 62 Resp: 194

Ion Ratio Lower Upper

62 100

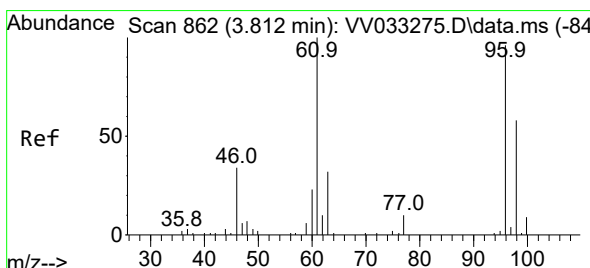
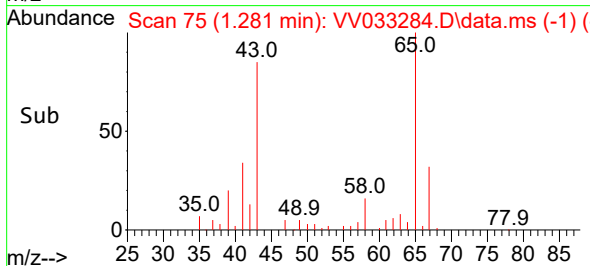
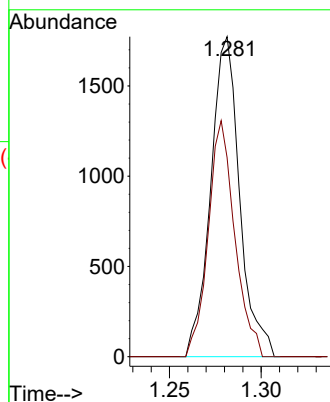
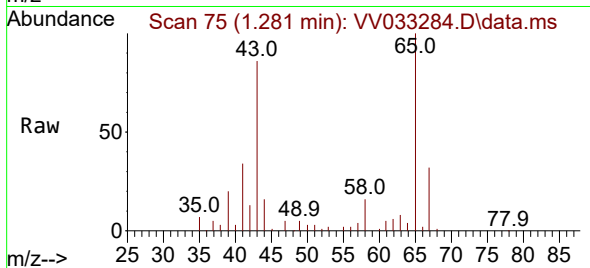
64 62.3 23.0 42.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/18/2023



#22

cis-1,2-Dichloroethene

Concen: 0.848 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.010 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

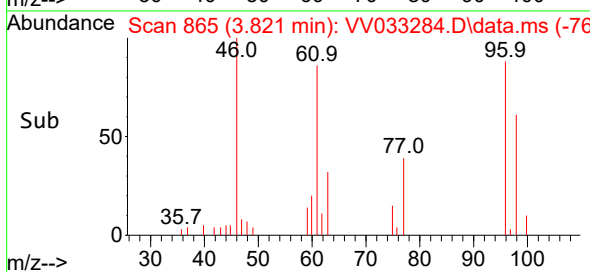
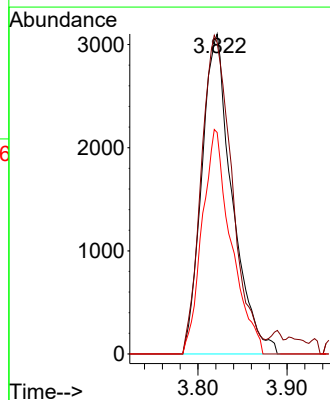
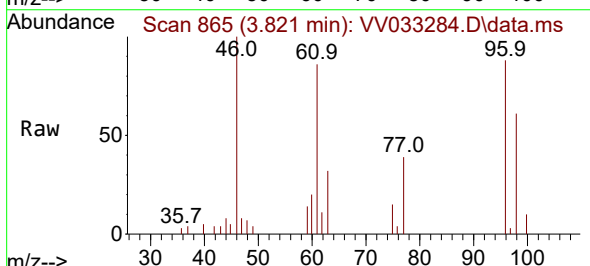
Tgt Ion: 96 Resp: 7333

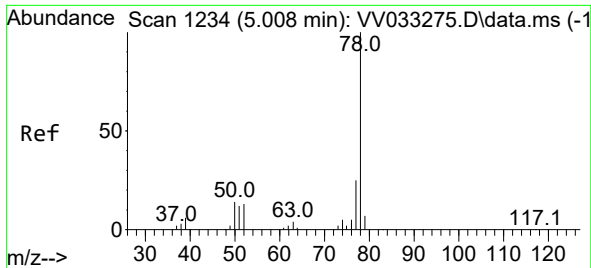
Ion Ratio Lower Upper

96 100

61 97.2 69.9 129.9

98 69.2 42.4 78.8





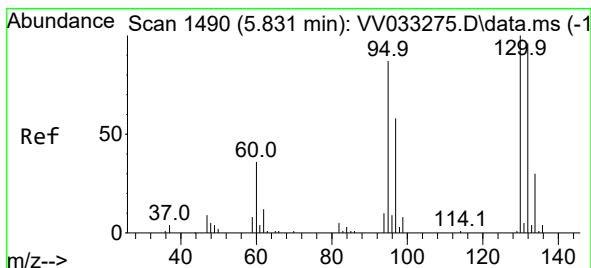
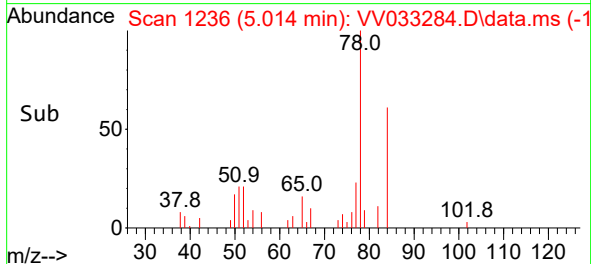
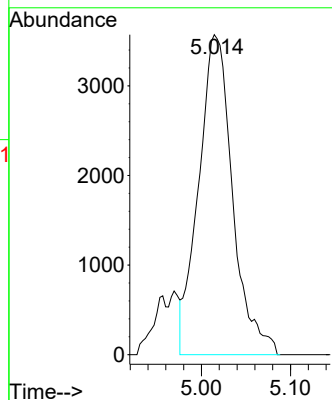
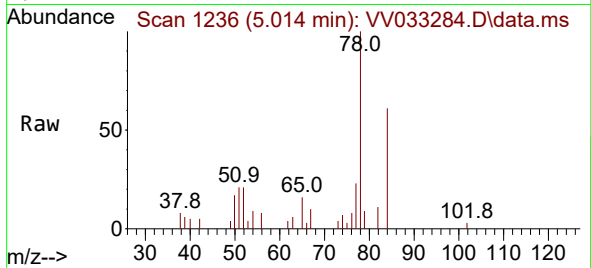
#33  
Benzene  
Concen: 0.293 ug/L  
RT: 5.014 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV033284.D  
Acq: 13 Dec 2023 18:22

Instrument :  
MSVOA\_V  
ClientSampleId :  
E0Y56

Tgt Ion: 78 Resp: 945

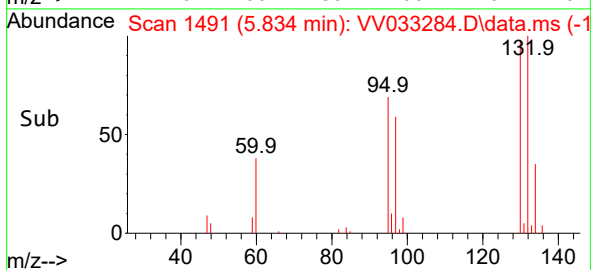
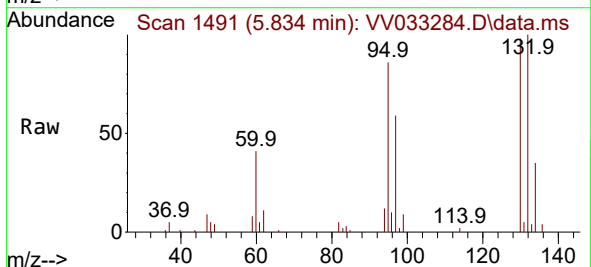
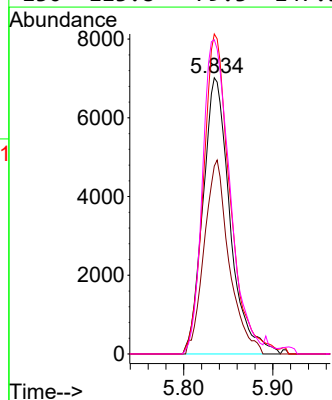
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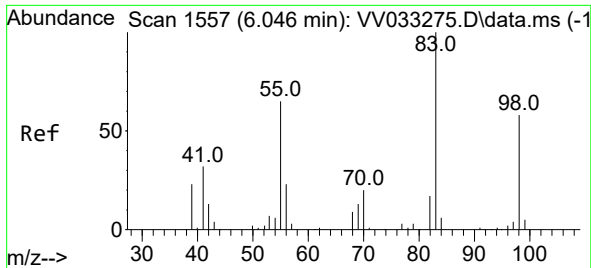
Reviewed By :Semsettin Yesilyurt 12/16/2023  
Supervised By :Mahesh Dadoda 12/18/2023



#34  
Trichloroethene  
Concen: 1.573 ug/L  
RT: 5.834 min Scan# 1491  
Delta R.T. 0.003 min  
Lab File: VV033284.D  
Acq: 13 Dec 2023 18:22

Tgt Ion: 95 Resp: 14806  
Ion Ratio Lower Upper  
95 100  
97 68.0 46.5 86.5  
132 115.9 75.1 139.5  
130 113.8 79.3 147.3





#35

Methylcyclohexane

Concen: 0.303 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

Instrument :

MSVOA\_V

ClientSampleId :

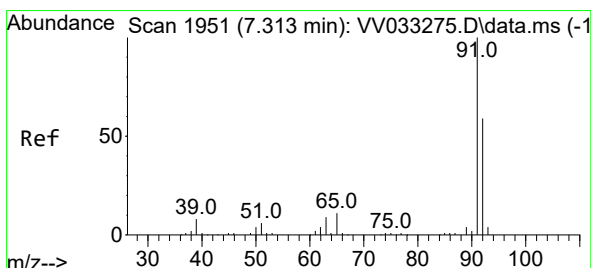
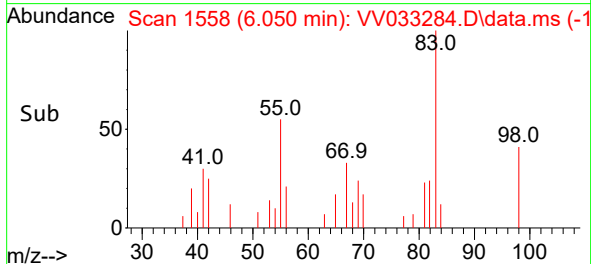
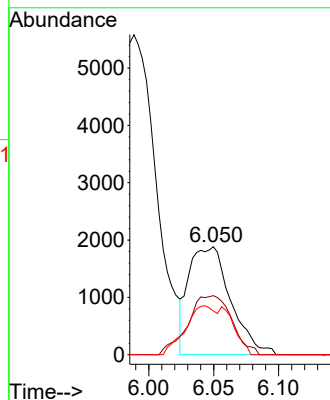
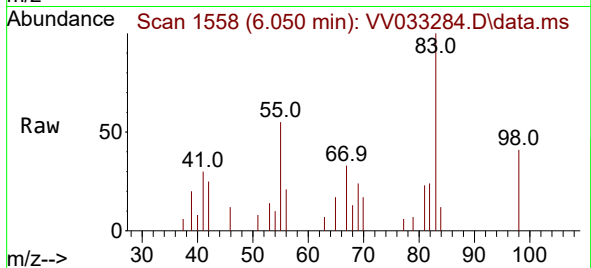
E0Y56

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 422      |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 55          | 57.4 50.7 76.1 |
| 98          | 33.3 42.4 63.6 |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/16/2023  
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#42

Toluene

Concen: 0.761 ug/L

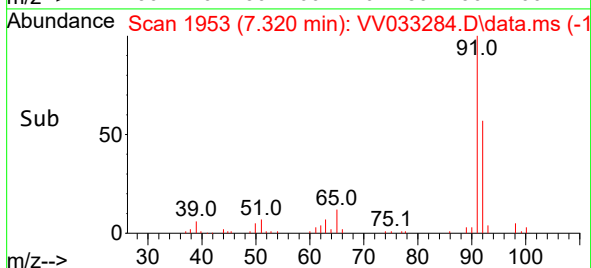
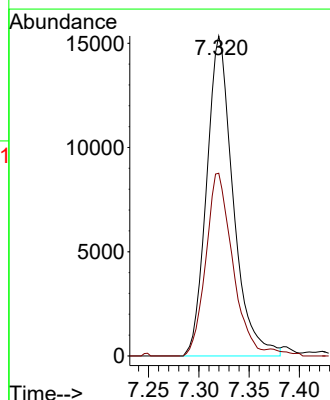
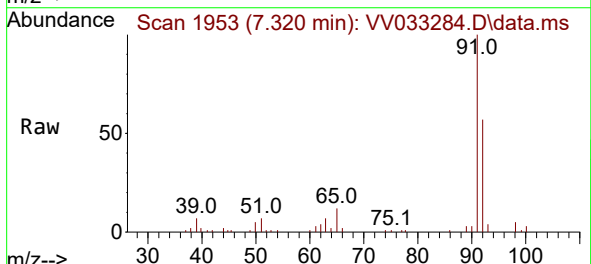
RT: 7.320 min Scan# 1953

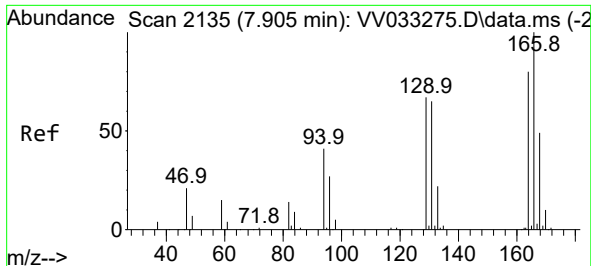
Delta R.T. 0.006 min

Lab File: VV033284.D

Acq: 13 Dec 2023 18:22

|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 28148    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 57.1 40.2 74.6 |





#47

Tetrachloroethene

Concen: 0.349 ug/L

RT: 7.911 min Scan# 2135

Delta R.T. 0.006 min

Lab File: VV033284.D

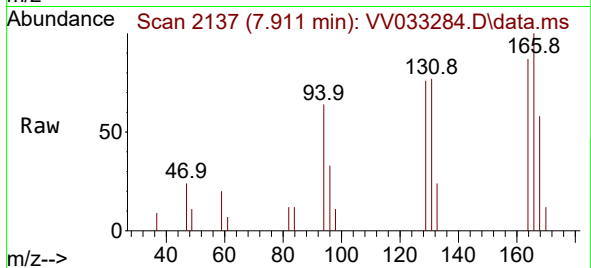
Acq: 13 Dec 2023 18:22

Instrument :

MSVOA\_V

ClientSampleId :

E0Y56



Tgt Ion:164 Resp: 311

Ion Ratio Lower Upper

164 100

129 87.5 62.6 116.3

131 87.9 62.6 116.3

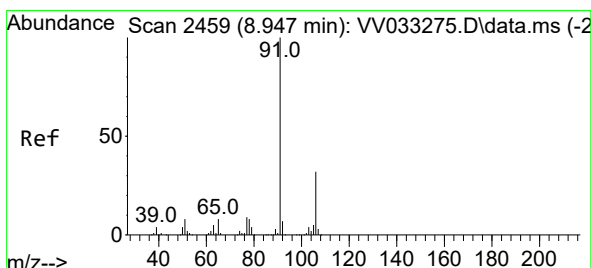
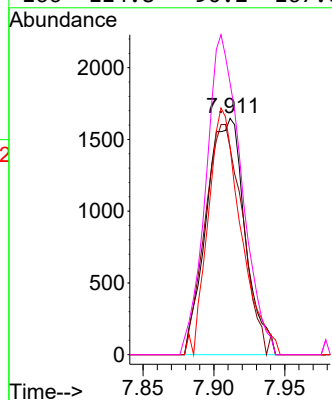
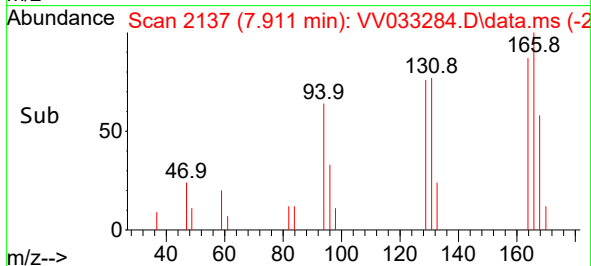
166 114.8 90.2 167.6

Manual Integrations

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#52

Ethylbenzene

Concen: 0.163 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.006 min

Lab File: VV033284.D

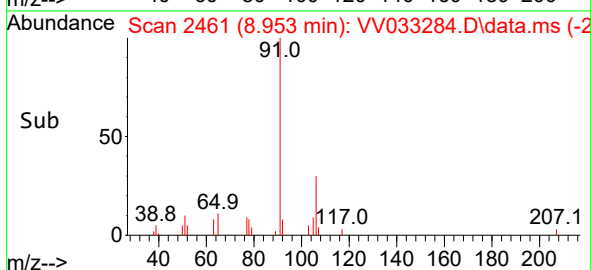
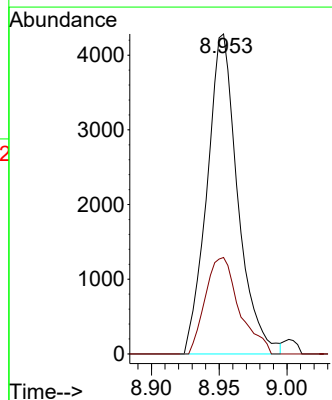
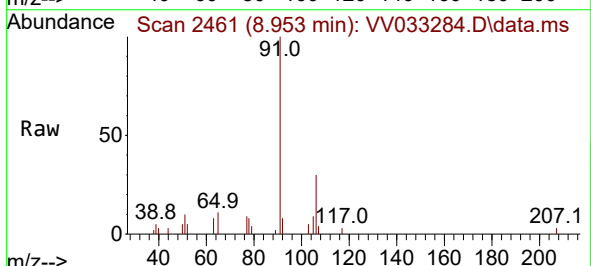
Acq: 13 Dec 2023 18:22

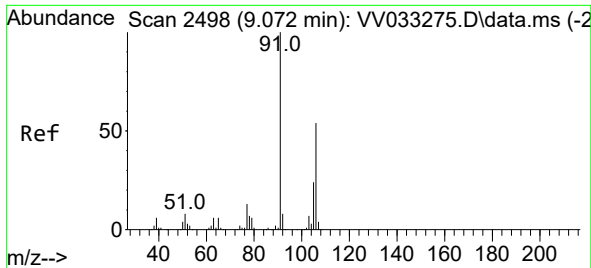
Tgt Ion: 91 Resp: 6752

Ion Ratio Lower Upper

91 100

106 30.2 22.7 42.3





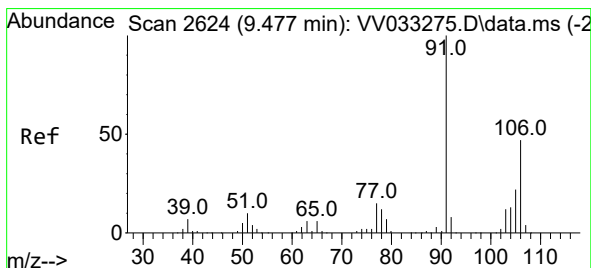
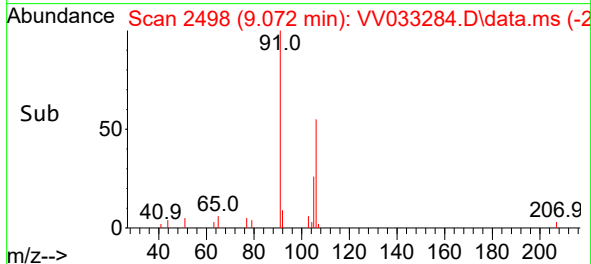
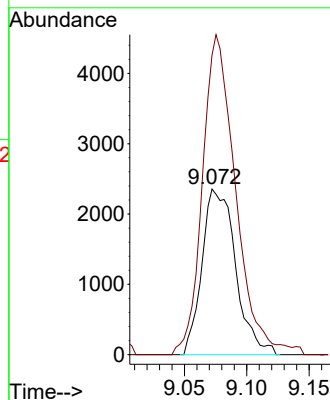
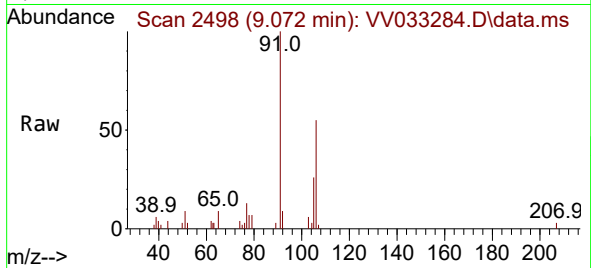
#53  
m,p-Xylene  
Concen: 0.259 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV033284.D  
Acq: 13 Dec 2023 18:22

Instrument :  
MSVOA\_V  
ClientSampleId :  
E0Y56

Tgt Ion:106 Resp: 441  
Ion Ratio Lower Upper  
106 100  
91 180.9 136.8 254.0

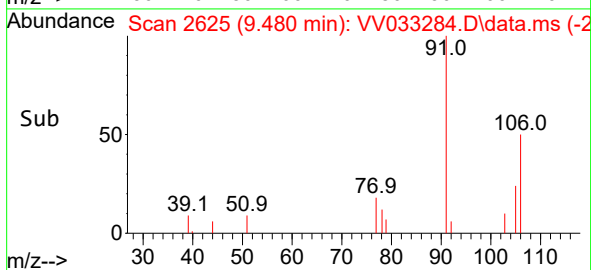
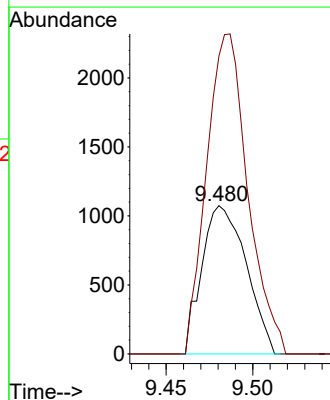
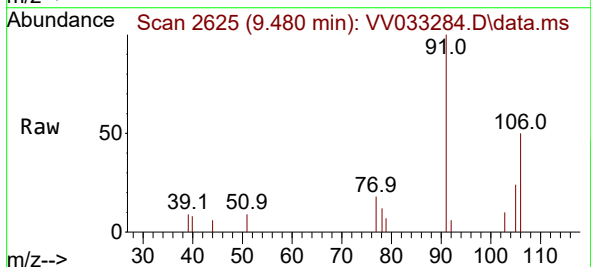
Manual Integrations  
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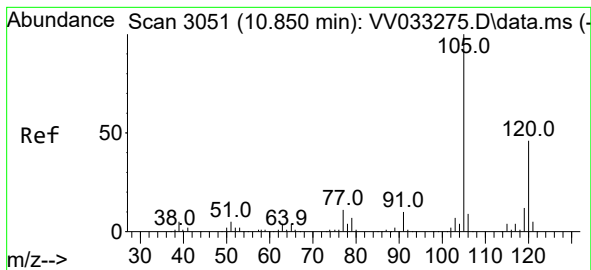
Reviewed By :Semsettin Yesilyurt 12/16/2023  
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#54  
o-Xylene  
Concen: 0.118 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV033284.D  
Acq: 13 Dec 2023 18:22

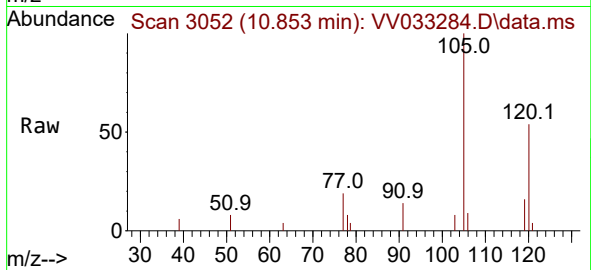
Tgt Ion:106 Resp: 1909  
Ion Ratio Lower Upper  
106 100  
91 200.7 149.9 278.5





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.119 ug/L  
 RT: 10.853 min Scan# 3052  
 Delta R.T. 0.003 min  
 Lab File: VV033284.D  
 Acq: 13 Dec 2023 18:22

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0Y56



Tgt Ion:105 Resp: 3960  
 Ion Ratio Lower Upper  
 105 100  
 120 52.2 38.1 57.1

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