

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW010622\  
 Data File : VW024290.D  
 Acq On : 06 Jan 2022 12:40  
 Operator : SY/MD  
 Sample : N1025-10DL 5X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 07 01:37:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 07 01:34:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 244448   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 231584   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 129489   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 80266    | 45.625   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.240%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 64962    | 48.608   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 97.220%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 121134   | 36.841   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 73.680%  |
| 21) 2-Butanone-d5             | 3.880   | 46    | 94407    | 96.318   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.320%  |
| 24) Chloroform-d              | 4.346   | 84    | 157411   | 48.957   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.920%  |
| 26) 1,2-Dichloroethane-d4     | 5.031   | 65    | 108857   | 50.567   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.140% |
| 32) Benzene-d6                | 5.050   | 84    | 302107   | 49.990   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.980%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 85878    | 50.705   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 101.420% |
| 41) Toluene-d8                | 7.313   | 98    | 289530   | 49.481   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.960%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 48849    | 50.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.180% |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 69067    | 93.862   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 93.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 118356   | 48.899   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 97.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 135080   | 52.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.680% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.314   | 62    | 11567    | 6.598    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108   | 101   | 1151     | 0.747    | ug/L # | 16       |
| 13) Acetone                   | 2.179   | 43    | 24825    | 25.653   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.770   | 96    | 1086     | 0.708    | ug/L   | 82       |
| 19) 1,1-Dichloroethane        | 3.195   | 63    | 10095    | 3.967    | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 95235    | 58.118   | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.140   | 62    | 3425     | 1.415    | ug/L   | 96       |
| 33) Benzene                   | 5.098   | 78    | 154180   | 26.183   | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 6.986   | 75    | 3350     | 1.439    | ug/L # | 68       |
| 42) Toluene                   | 7.387   | 91    | 487739   | 73.787   | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.622   | 75    | 2513     | 1.064    | ug/L # | 82       |
| 51) Chlorobenzene             | 8.883   | 112   | 14858    | 3.337    | ug/L   | 95       |
| 52) Ethylbenzene              | 9.011   | 91    | 283472   | 40.142   | ug/L   | 99       |
| 53) m,p-Xylene                | 9.137   | 106   | 170363   | 60.187   | ug/L   | 98       |
| 54) o-Xylene                  | 9.542   | 106   | 99957    | 36.993   | ug/L   | 96       |
| 55) Styrene                   | 9.542   | 104   | 5995     | 1.278    | ug/L # | 1        |
| 60) Isopropylbenzene          | 9.931   | 105   | 35645    | 4.975    | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538  | 105   | 22723    | 3.687    | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.915  | 105   | 193488   | 31.445   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV010622\  
Data File : VV024290.D  
Acq On : 06 Jan 2022 12:40  
Operator : SY/MD  
Sample : N1025-10DL 5X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jan 07 01:37:39 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 07 01:34:41 2022  
Response via : Initial Calibration

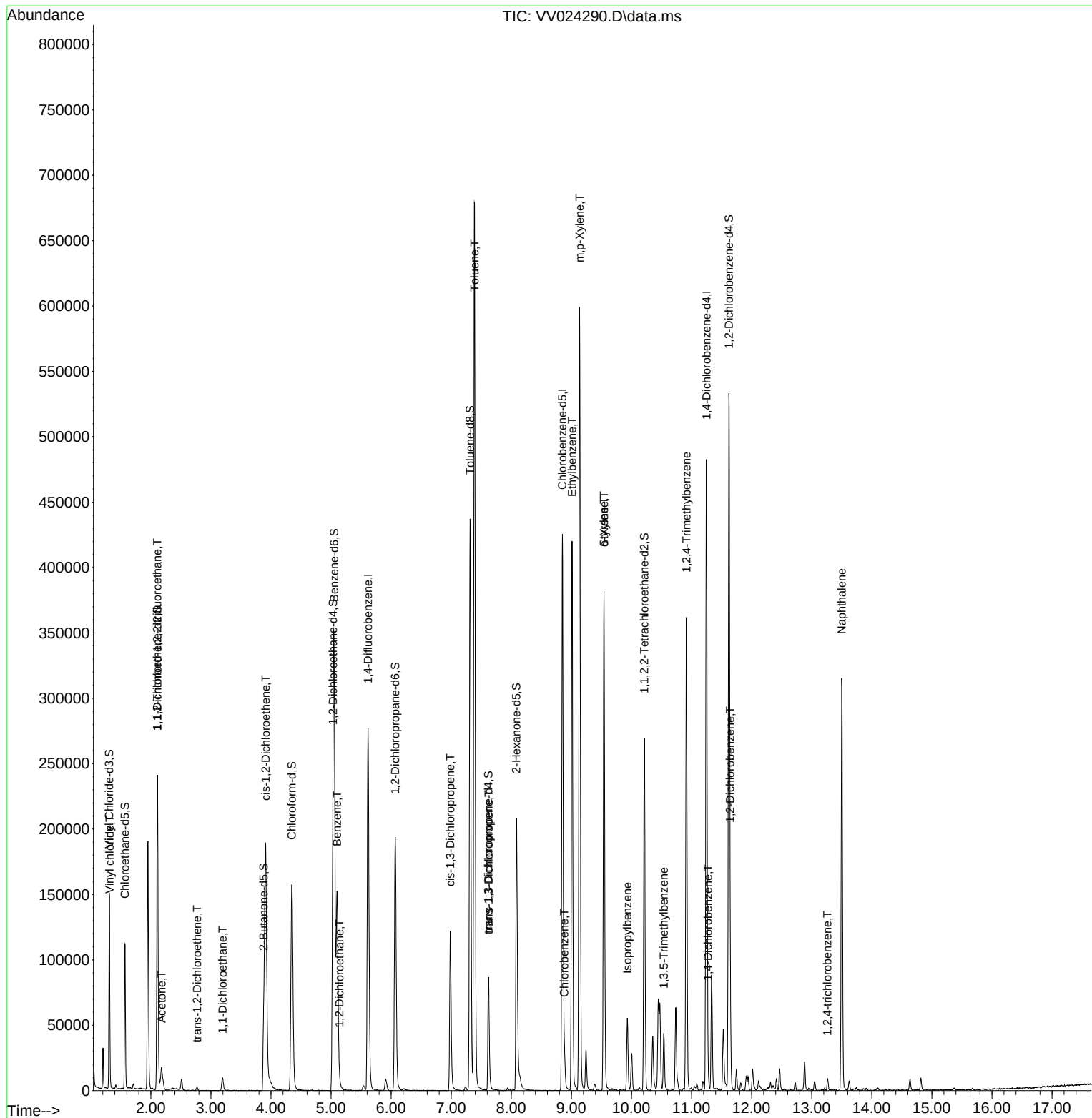
| Compound                   | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|--------|------|----------|--------|--------|----------|
| 65) 1,4-Dichlorobenzene    | 11.272 | 146  | 2666     | 0.700  | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene    | 11.641 | 146  | 24696    | 6.486  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene | 13.262 | 180  | 2186     | 0.899  | ug/L # | 92       |
| 71) Naphthalene            | 13.500 | 128  | 246662   | 35.080 | ug/L   | 99       |

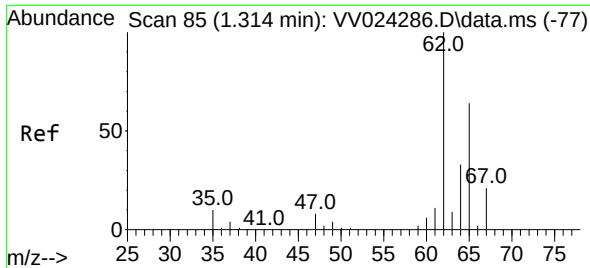
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV010622\  
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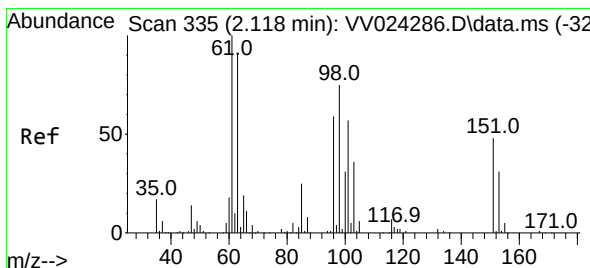
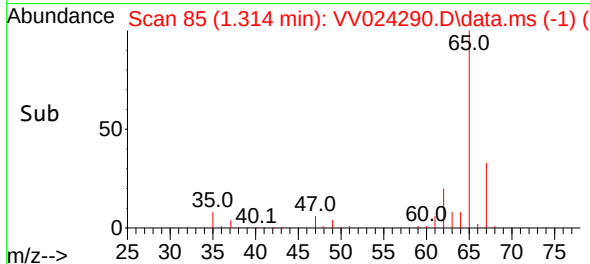
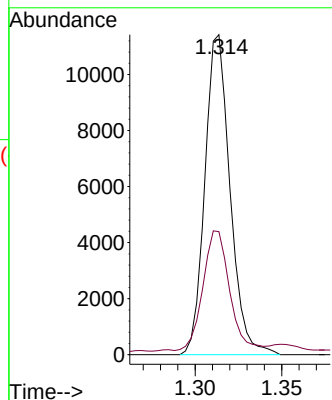
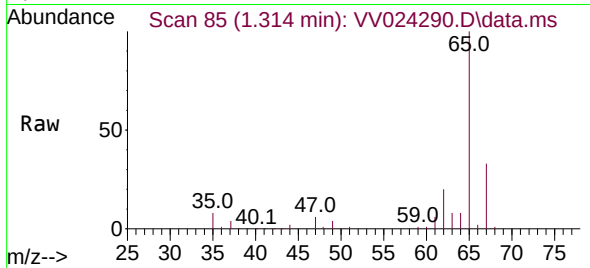




#5  
 Vinyl chloride  
 Concen: 6.598 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. 0.000 min  
 Lab File: VV024290.D  
 Acq: 06 Jan 2022 12:40

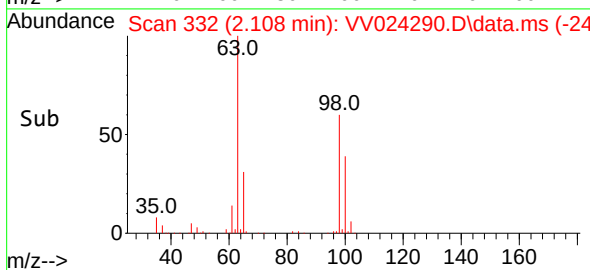
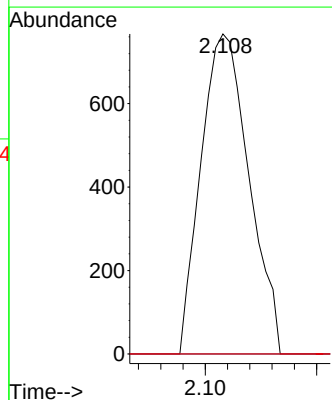
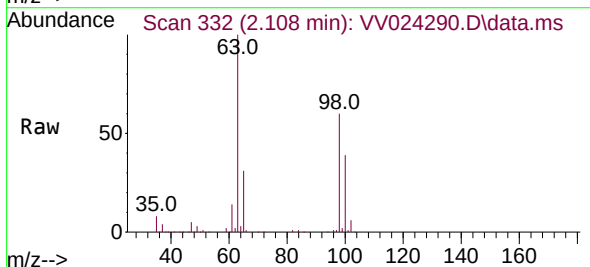
Instrument :  
 MSVOA\_V  
 ClientSampleId :

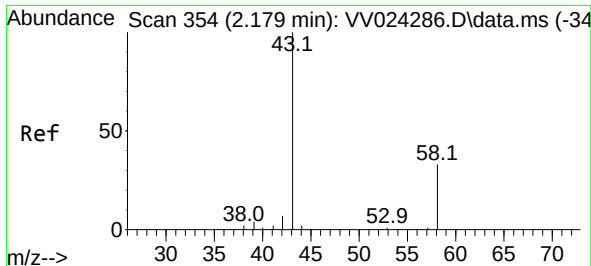
Tgt Ion: 62 Resp: 11567  
 Ion Ratio Lower Upper  
 62 100  
 64 38.4 25.0 46.4



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.747 ug/L  
 RT: 2.108 min Scan# 332  
 Delta R.T. -0.010 min  
 Lab File: VV024290.D  
 Acq: 06 Jan 2022 12:40

Tgt Ion: 101 Resp: 1151  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.3 52.9#  
 151 0.0 67.1 100.7#

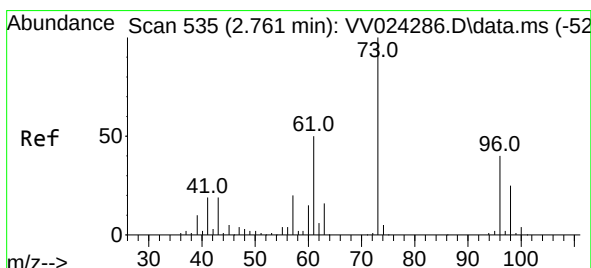
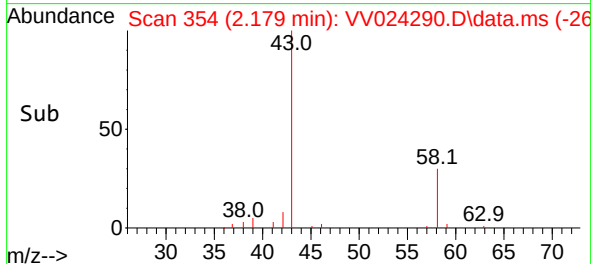
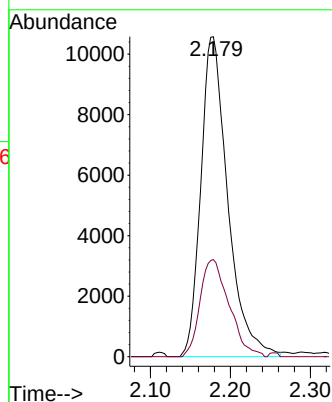
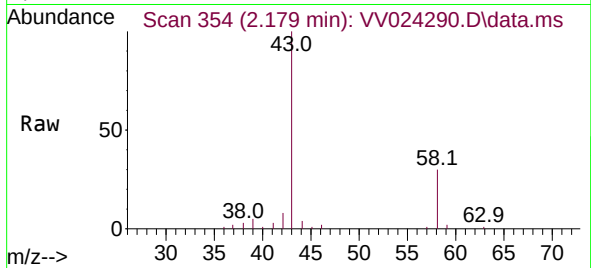




#13  
Acetone  
Concen: 25.653 ug/L  
RT: 2.179 min Scan# 354  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

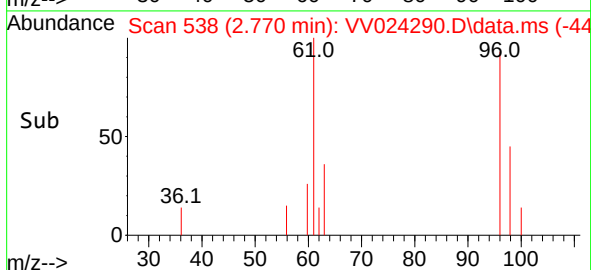
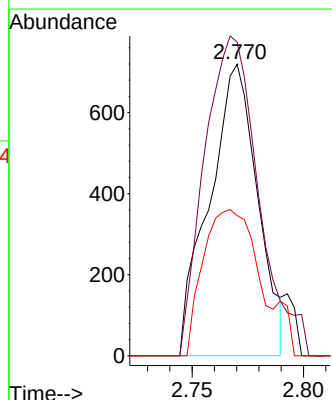
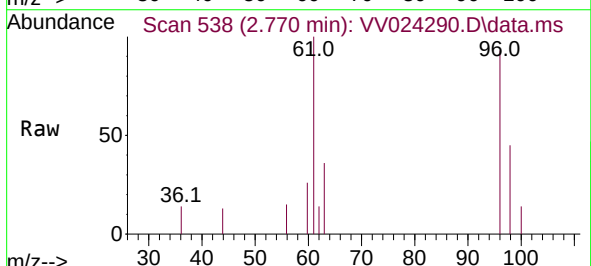
Instrument :  
MSVOA\_V  
ClientSampleId :

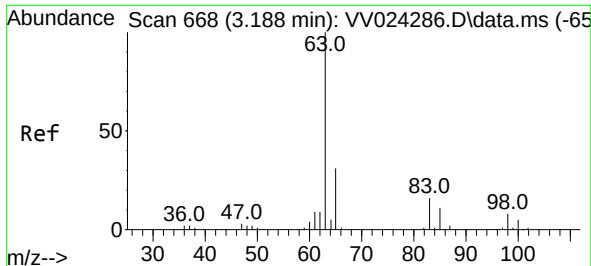
Tgt Ion: 43 Resp: 24825  
Ion Ratio Lower Upper  
43 100  
58 32.6 0.0 63.0



#17  
trans-1,2-Dichloroethene  
Concen: 0.708 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.010 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Tgt Ion: 96 Resp: 1086  
Ion Ratio Lower Upper  
96 100  
61 107.6 88.1 163.7  
98 48.1 45.0 83.6





#19

1,1-Dichloroethane

Concen: 3.967 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

Instrument :

MSVOA\_V

ClientSampleId :

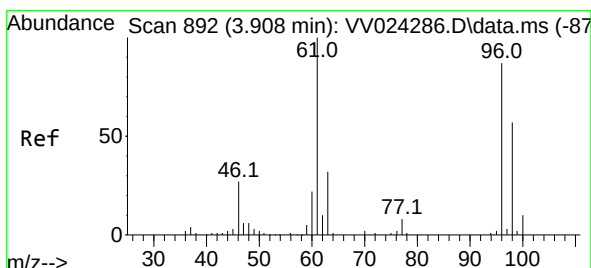
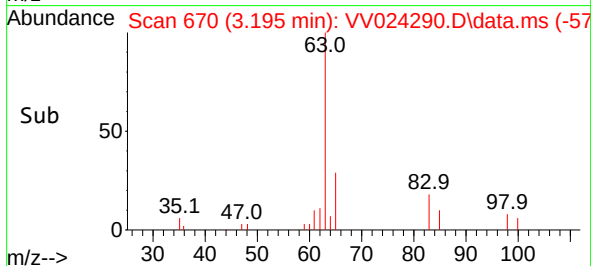
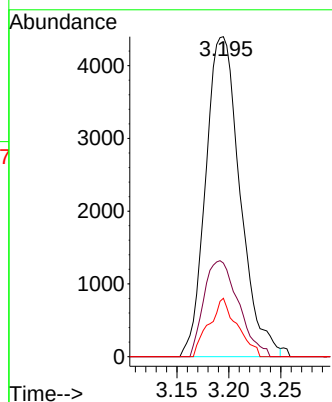
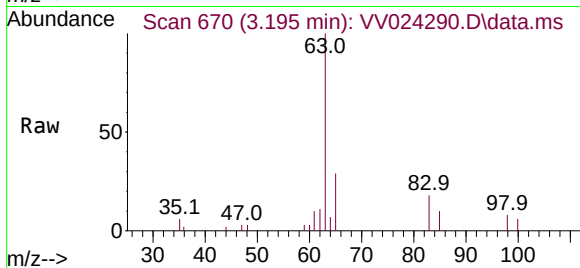
Tgt Ion: 63 Resp: 10095

Ion Ratio Lower Upper

63 100

65 29.2 22.4 41.6

83 18.2 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 58.118 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

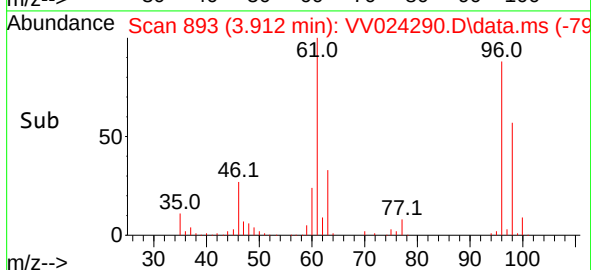
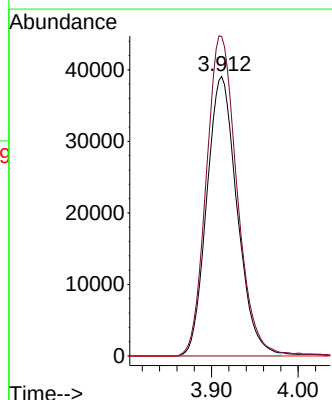
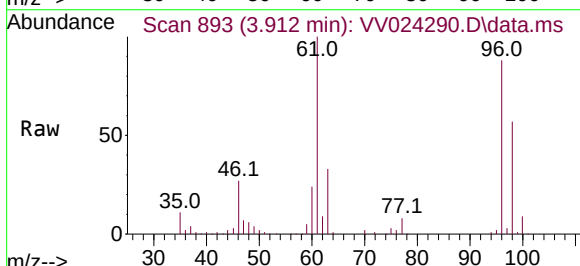
Tgt Ion: 96 Resp: 95235

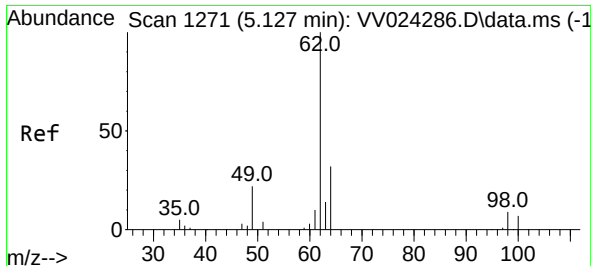
Ion Ratio Lower Upper

96 100

61 114.3 82.9 153.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.415 ug/L

RT: 5.140 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

Instrument :

MSVOA\_V

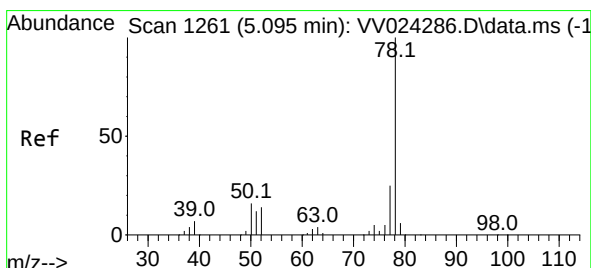
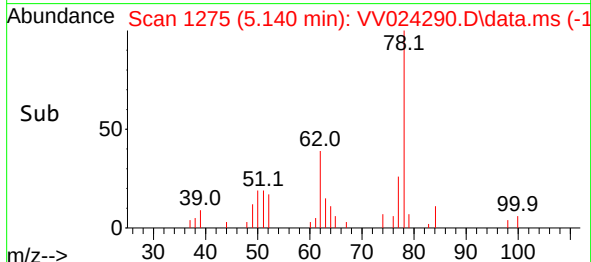
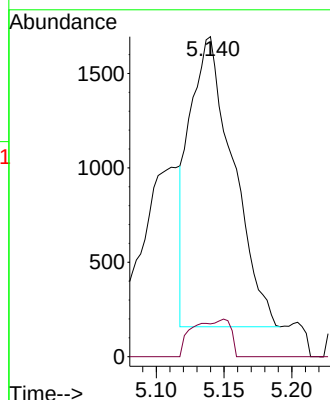
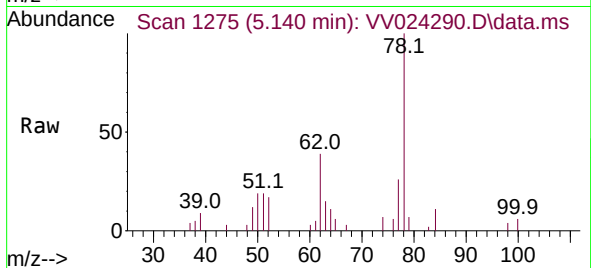
ClientSampleId :

Tgt Ion: 62 Resp: 3425

Ion Ratio Lower Upper

62 100

98 10.3 7.1 10.7



#33

Benzene

Concen: 26.183 ug/L

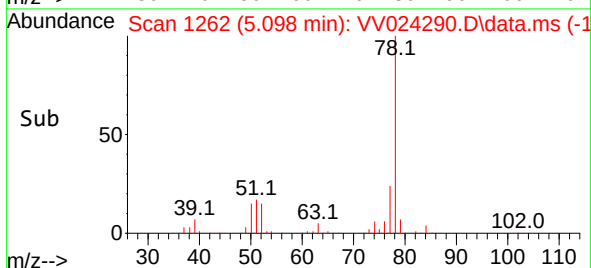
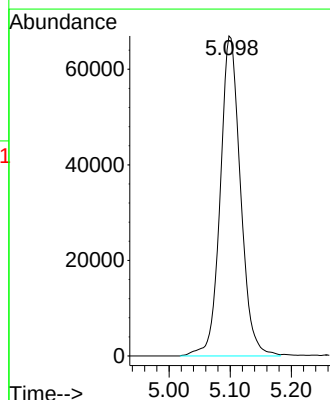
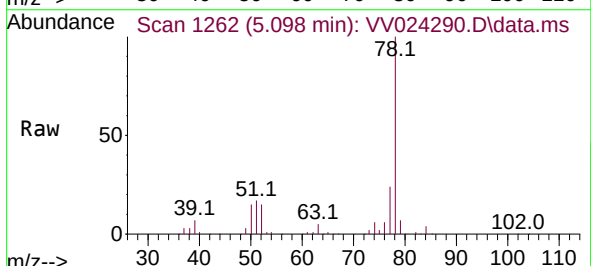
RT: 5.098 min Scan# 1262

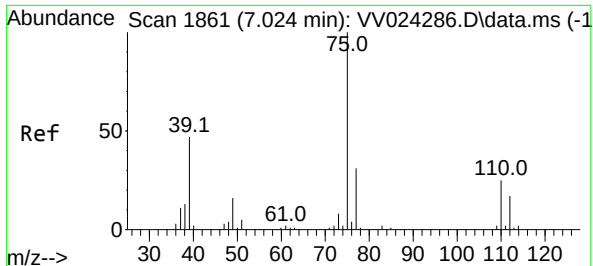
Delta R.T. 0.003 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

Tgt Ion: 78 Resp: 154180





#39

cis-1,3-Dichloropropene

Concen: 1.439 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

Instrument :

MSVOA\_V

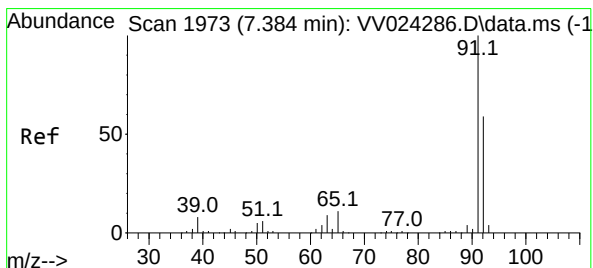
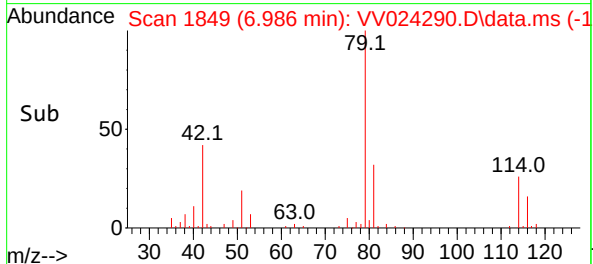
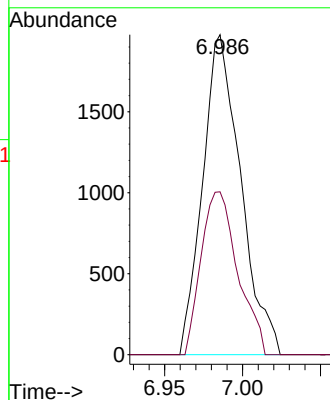
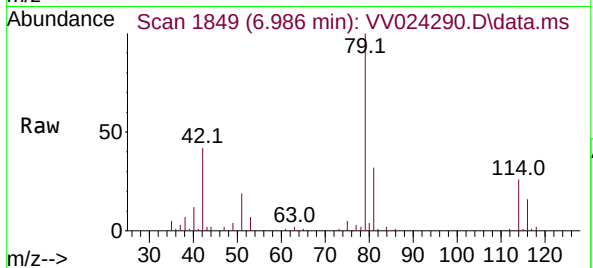
ClientSampleId :

Tgt Ion: 75 Resp: 3350

Ion Ratio Lower Upper

75 100

77 50.9 23.0 42.8#



#42

Toluene

Concen: 73.787 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV024290.D

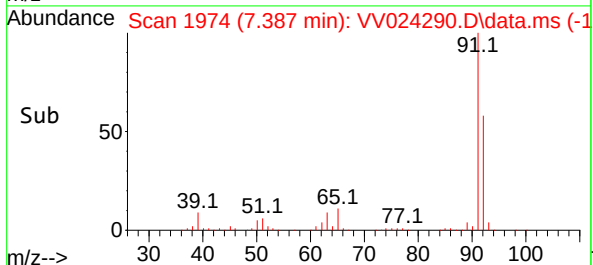
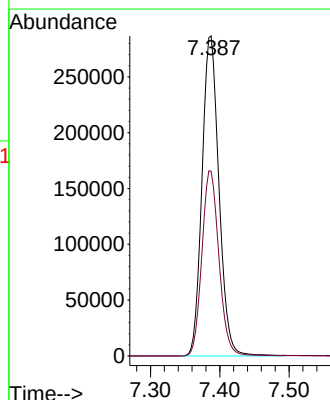
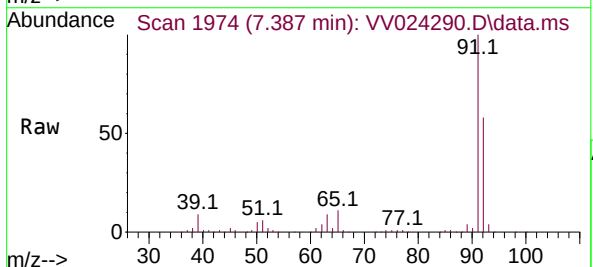
Acq: 06 Jan 2022 12:40

Tgt Ion: 91 Resp: 487739

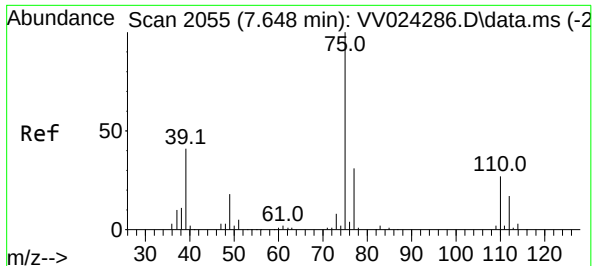
Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



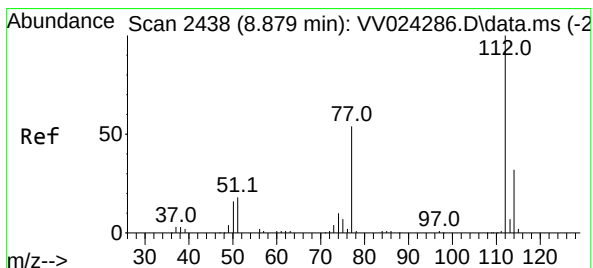
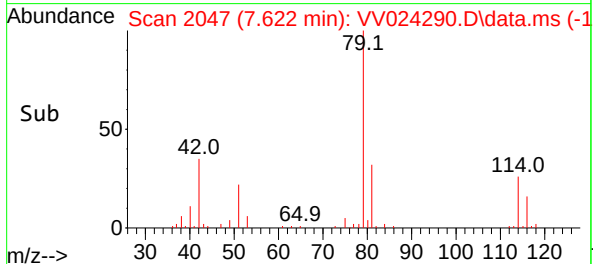
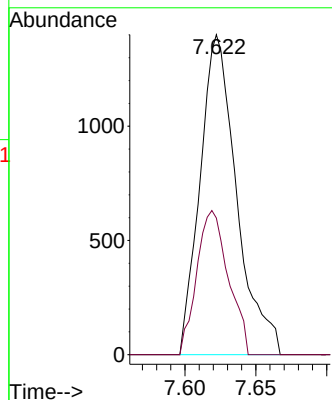
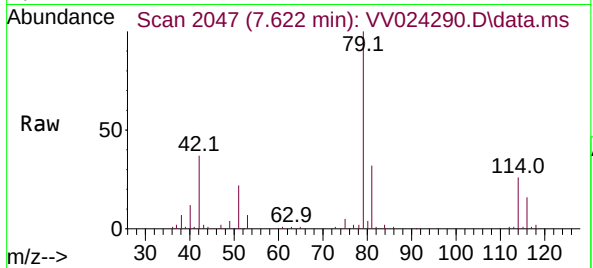




#44  
trans-1,3-Dichloropropene  
Concen: 1.064 ug/L  
RT: 7.622 min Scan# 2055  
Delta R.T. -0.026 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

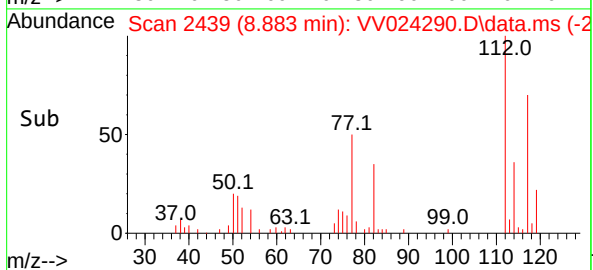
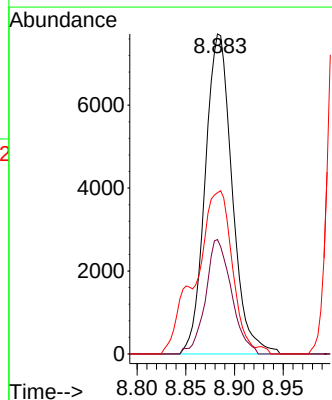
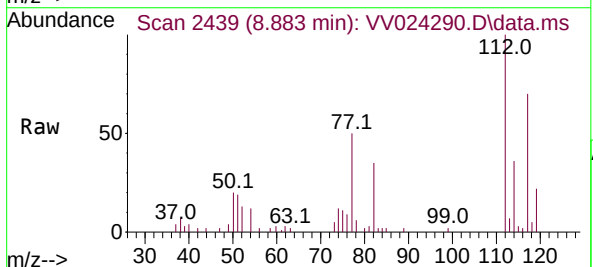
Instrument :  
MSVOA\_V  
ClientSampleId :

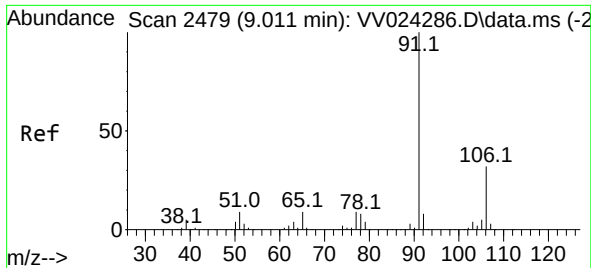
Tgt Ion: 75 Resp: 2513  
Ion Ratio Lower Upper  
75 100  
77 42.7 22.7 42.1#



#51  
Chlorobenzene  
Concen: 3.337 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.003 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Tgt Ion: 112 Resp: 14858  
Ion Ratio Lower Upper  
112 100  
114 35.8 22.3 41.5  
77 50.4 42.8 64.2

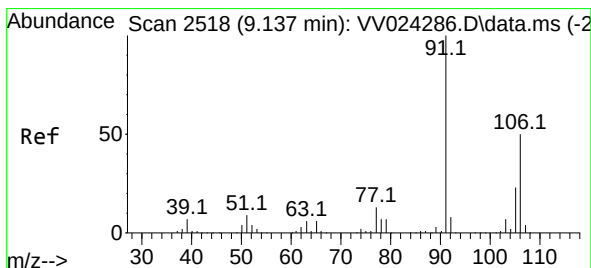
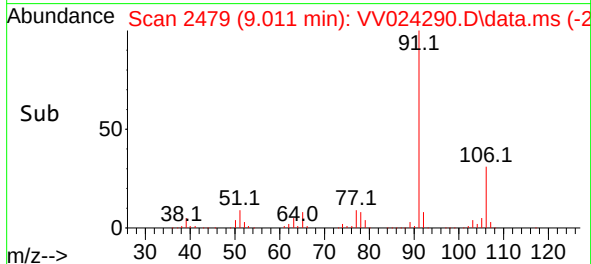
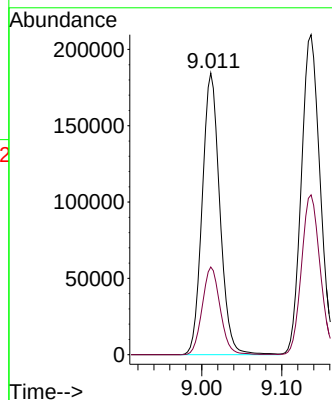
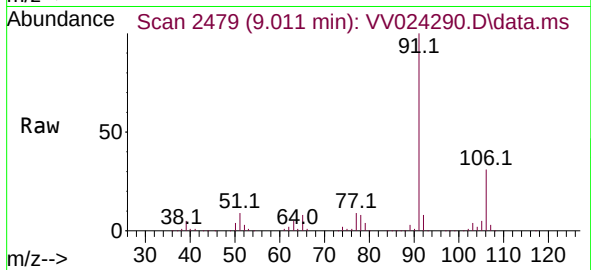




#52  
Ethylbenzene  
Concen: 40.142 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

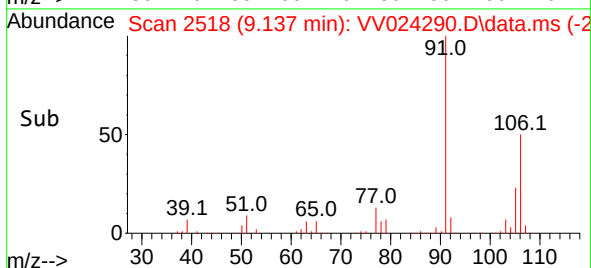
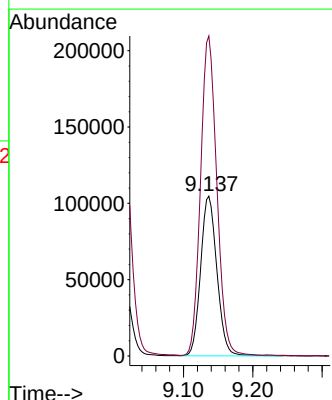
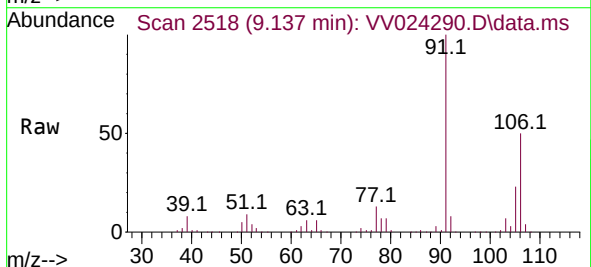
Instrument :  
MSVOA\_V  
ClientSampleId :

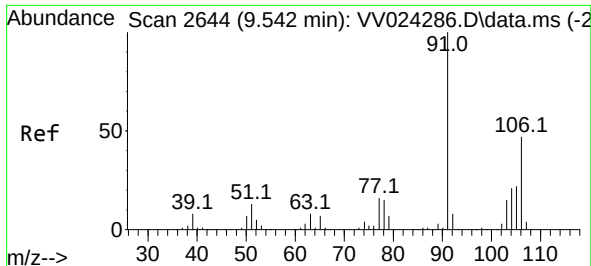
Tgt Ion: 91 Resp: 283472  
Ion Ratio Lower Upper  
91 100  
106 31.1 22.0 41.0



#53  
m,p-Xylene  
Concen: 60.187 ug/L  
RT: 9.137 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Tgt Ion: 106 Resp: 170363  
Ion Ratio Lower Upper  
106 100  
91 200.3 141.8 263.4

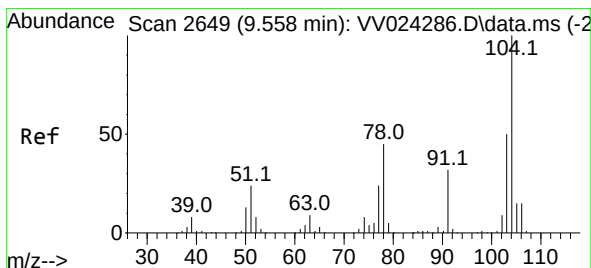
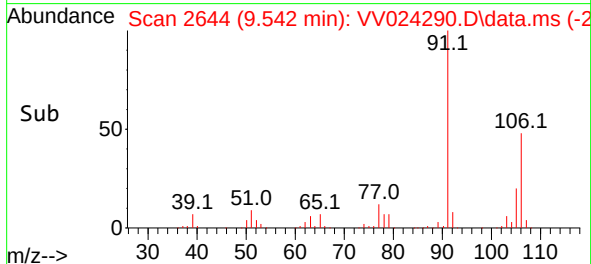
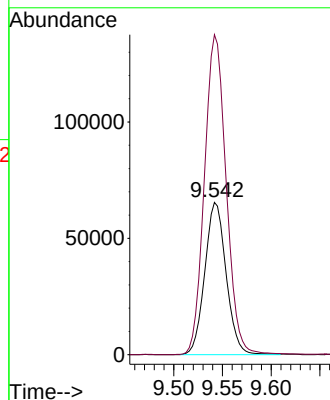
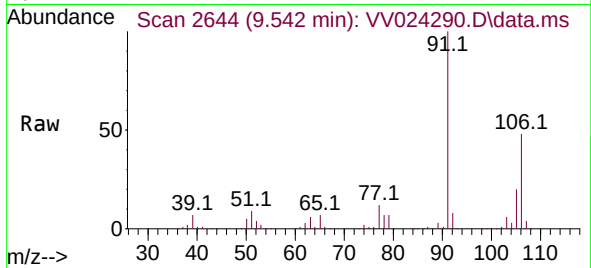




#54  
o-Xylene  
Concen: 36.993 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

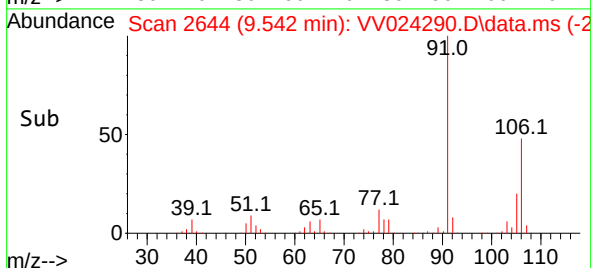
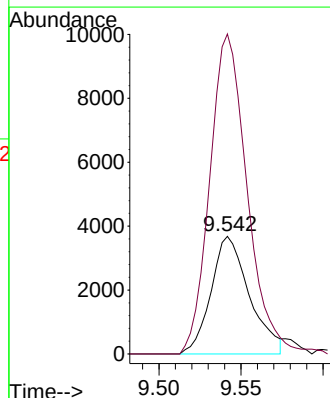
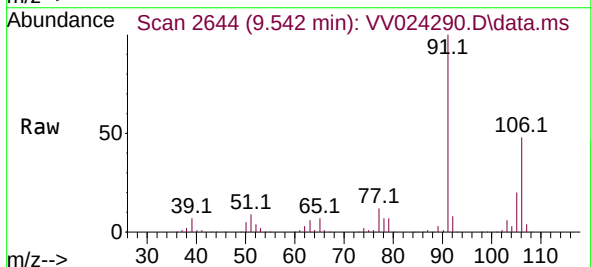
Instrument :  
MSVOA\_V  
ClientSampleId :

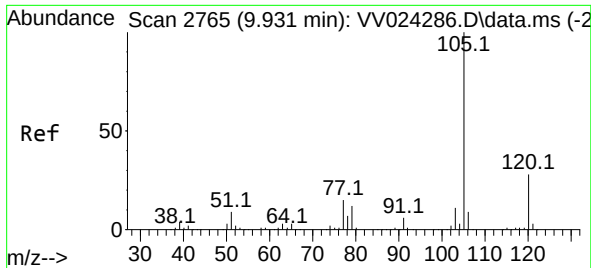
Tgt Ion:106 Resp: 99957  
Ion Ratio Lower Upper  
106 100  
91 210.0 150.9 280.3



#55  
Styrene  
Concen: 1.278 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.016 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Tgt Ion:104 Resp: 5995  
Ion Ratio Lower Upper  
104 100  
78 272.0 31.5 58.5#

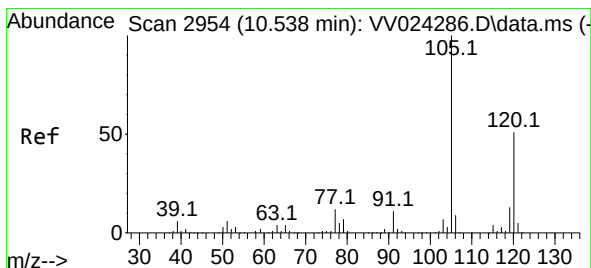
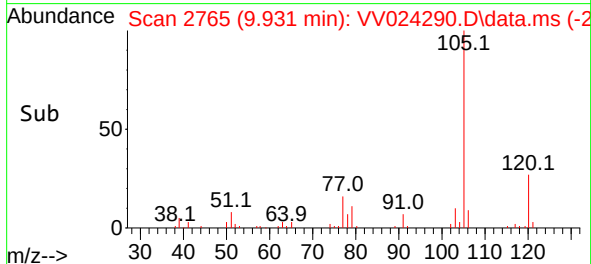
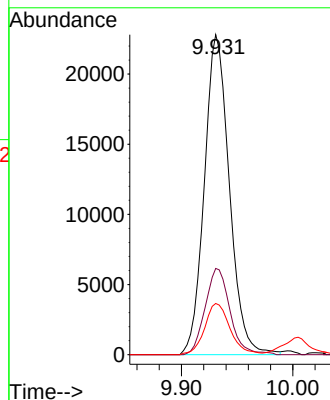
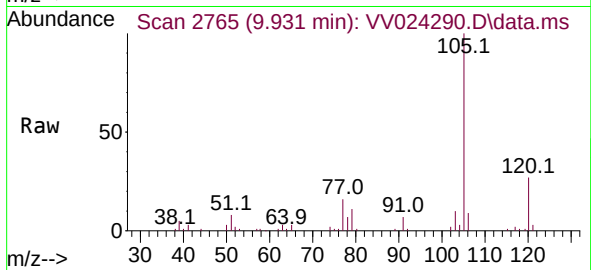




#60  
Isopropylbenzene  
Concen: 4.975 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

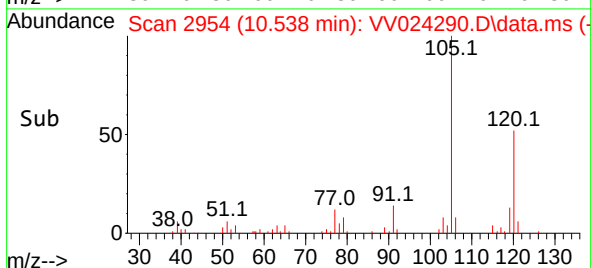
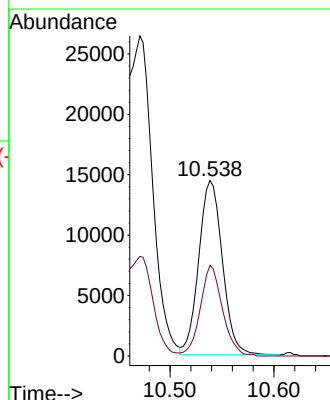
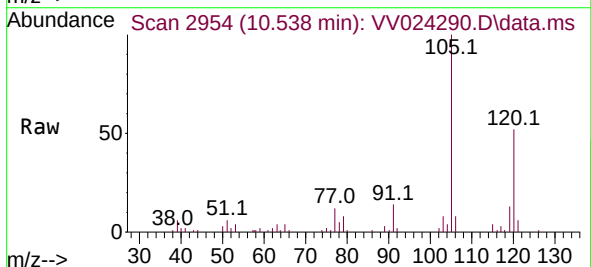
Instrument :  
MSVOA\_V  
ClientSampleId :

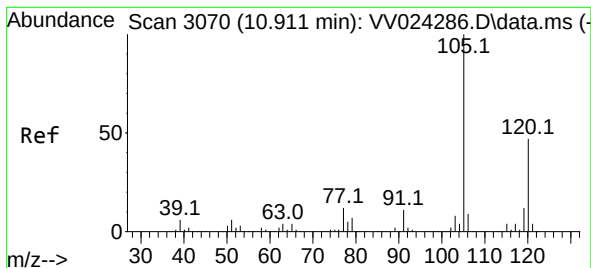
Tgt Ion:105 Resp: 35645  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.9 32.9  
77 16.3 11.9 17.9



#62  
1,3,5-Trimethylbenzene  
Concen: 3.687 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Tgt Ion:105 Resp: 22723  
Ion Ratio Lower Upper  
105 100  
120 46.1 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 31.445 ug/L

RT: 10.915 min Scan# 3070

Delta R.T. 0.003 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

Instrument :

MSVOA\_V

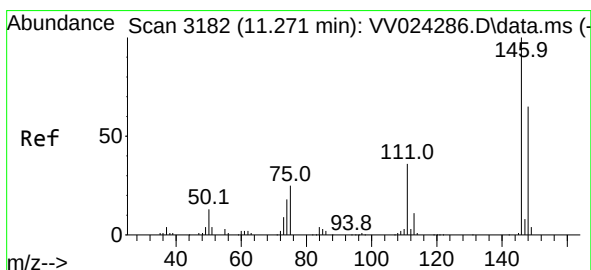
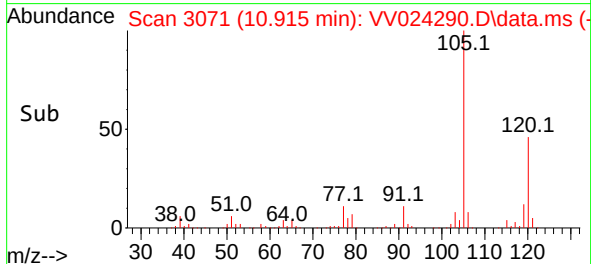
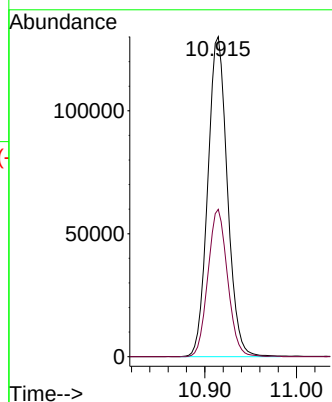
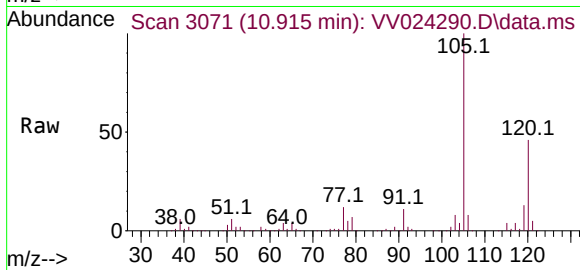
ClientSampleId :

Tgt Ion:105 Resp: 193488

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0



#65

1,4-Dichlorobenzene

Concen: 0.700 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV024290.D

Acq: 06 Jan 2022 12:40

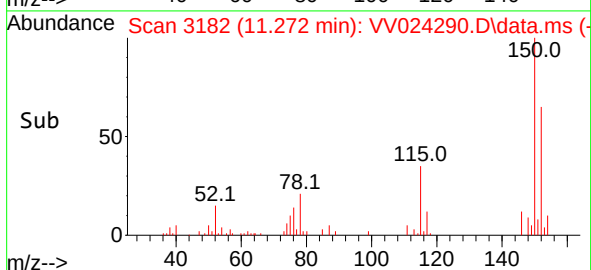
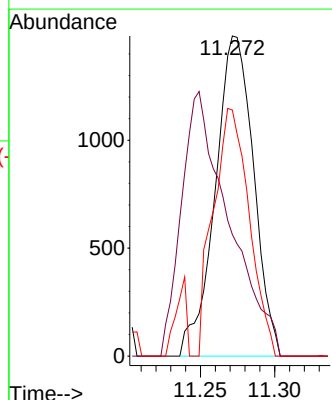
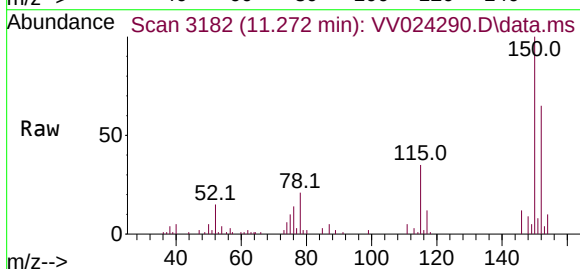
Tgt Ion:146 Resp: 2666

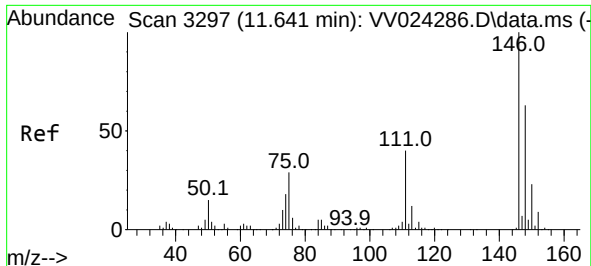
Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.3

148 76.9 44.9 83.5

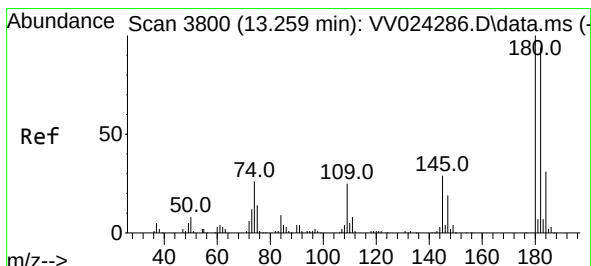
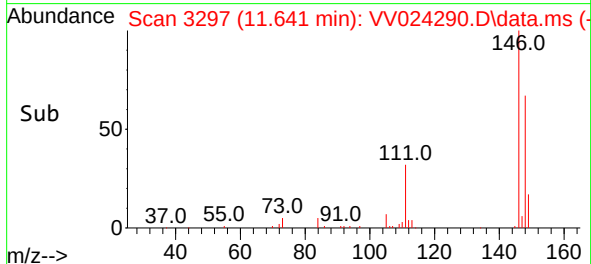
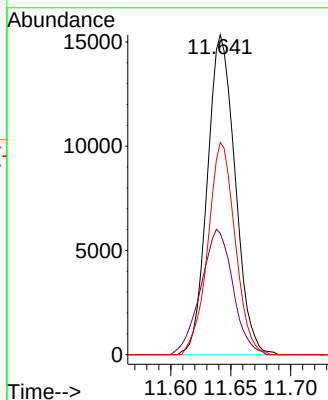
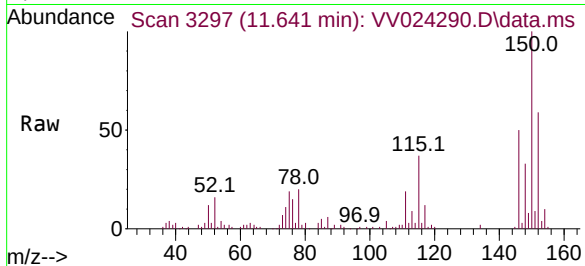




#67  
1,2-Dichlorobenzene  
Concen: 6.486 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

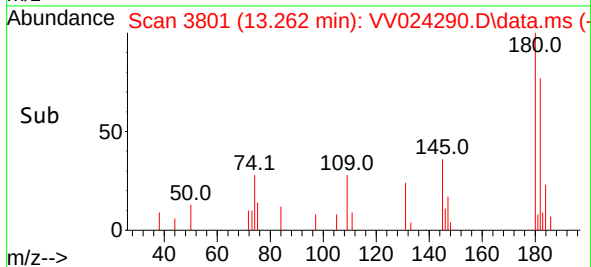
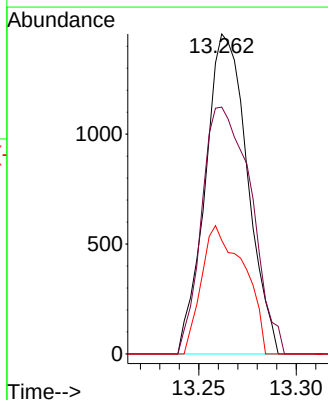
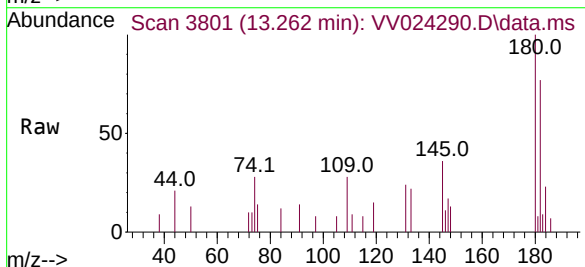
Instrument :  
MSVOA\_V  
ClientSampleId :

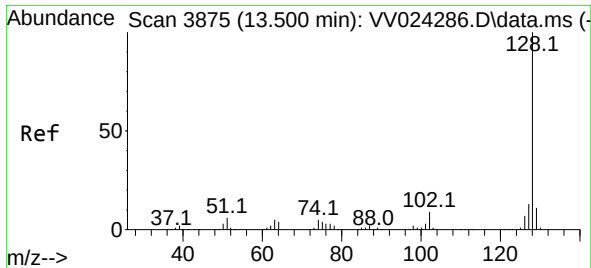
Tgt Ion:146 Resp: 24696  
Ion Ratio Lower Upper  
146 100  
111 38.0 32.0 48.0  
148 66.4 51.6 77.4



#70  
1,2,4-trichlorobenzene  
Concen: 0.899 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.003 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

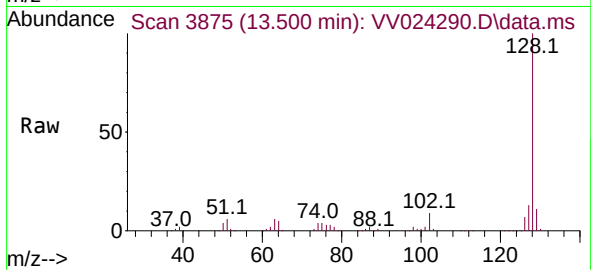
Tgt Ion:180 Resp: 2186  
Ion Ratio Lower Upper  
180 100  
182 90.1 75.6 113.4  
145 40.6 23.9 35.9#





#71  
Naphthalene  
Concen: 35.080 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV024290.D  
Acq: 06 Jan 2022 12:40

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 246662  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.8 8.7 13.1

