

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011922\  
 Data File : VW024402.D  
 Acq On : 19 Jan 2022 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 20 00:57:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 19 01:03:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.613     | 114   | 267605   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.847     | 117   | 255456   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152   | 144103   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65    | 105542   | 54.801   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 109.600% |          |
| 7) Chloroethane-d5            | 1.568     | 69    | 77954    | 53.282   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 106.560% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63    | 186519   | 51.818   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 103.640% |          |
| 21) 2-Butanone-d5             | 3.880     | 46    | 101195   | 94.309   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 94.310%  |          |
| 24) Chloroform-d              | 4.339     | 84    | 182297   | 51.790   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 103.580% |          |
| 26) 1,2-Dichloroethane-d4     | 5.024     | 65    | 116362   | 49.376   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 98.760%  |          |
| 32) Benzene-d6                | 5.043     | 84    | 346604   | 51.994   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 103.980% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063     | 67    | 97817    | 52.357   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 104.720% |          |
| 41) Toluene-d8                | 7.310     | 98    | 344697   | 53.405   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 106.800% |          |
| 43) trans-1,3-Dichloroprop... | 7.616     | 79    | 54299    | 50.473   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 100.940% |          |
| 47) 2-Hexanone-d5             | 8.085     | 63    | 77342    | 95.286   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 95.290%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210    | 84    | 126030   | 47.204   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 94.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 144919   | 50.453   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 100.900% |          |
| Target Compounds              |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.130     | 85    | 128761   | 59.641   | ug/L       | 98       |
| 3) Chloromethane              | 1.243     | 50    | 102757   | 56.652   | ug/L       | 99       |
| 5) Vinyl chloride             | 1.314     | 62    | 106773   | 55.634   | ug/L       | 96       |
| 6) Bromomethane               | 1.523     | 94    | 67210    | 61.456   | ug/L       | 98       |
| 8) Chloroethane               | 1.587     | 64    | 59295    | 50.054   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 1.754     | 101   | 170361   | 49.383   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118     | 101   | 89236    | 52.929   | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.118     | 96    | 83031    | 50.938   | ug/L       | 84       |
| 13) Acetone                   | 2.179     | 43    | 132456   | 125.027  | ug/L       | 99       |
| 14) Carbon disulfide          | 2.294     | 76    | 234095   | 49.462   | ug/L       | 98       |
| 15) Methyl Acetate            | 2.429     | 43    | 71913    | 46.670   | ug/L       | 98       |
| 16) Methylene chloride        | 2.507     | 84    | 86161    | 48.539   | ug/L       | 96       |
| 17) trans-1,2-Dichloroethene  | 2.757     | 96    | 84325    | 50.203   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 2.764     | 73    | 265096   | 51.209   | ug/L       | 100      |
| 19) 1,1-Dichloroethane        | 3.185     | 63    | 138213   | 49.610   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905     | 96    | 89518    | 49.902   | ug/L       | 98       |
| 22) 2-Butanone                | 3.963     | 43    | 126651   | 112.542  | ug/L       | 92       |
| 23) Bromochloromethane        | 4.243     | 128   | 50805    | 49.152   | ug/L       | 92       |
| 25) Chloroform                | 4.368     | 83    | 160786   | 49.361   | ug/L       | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 20 00:57:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 19 01:03:04 2022  
 Response via : Initial Calibration

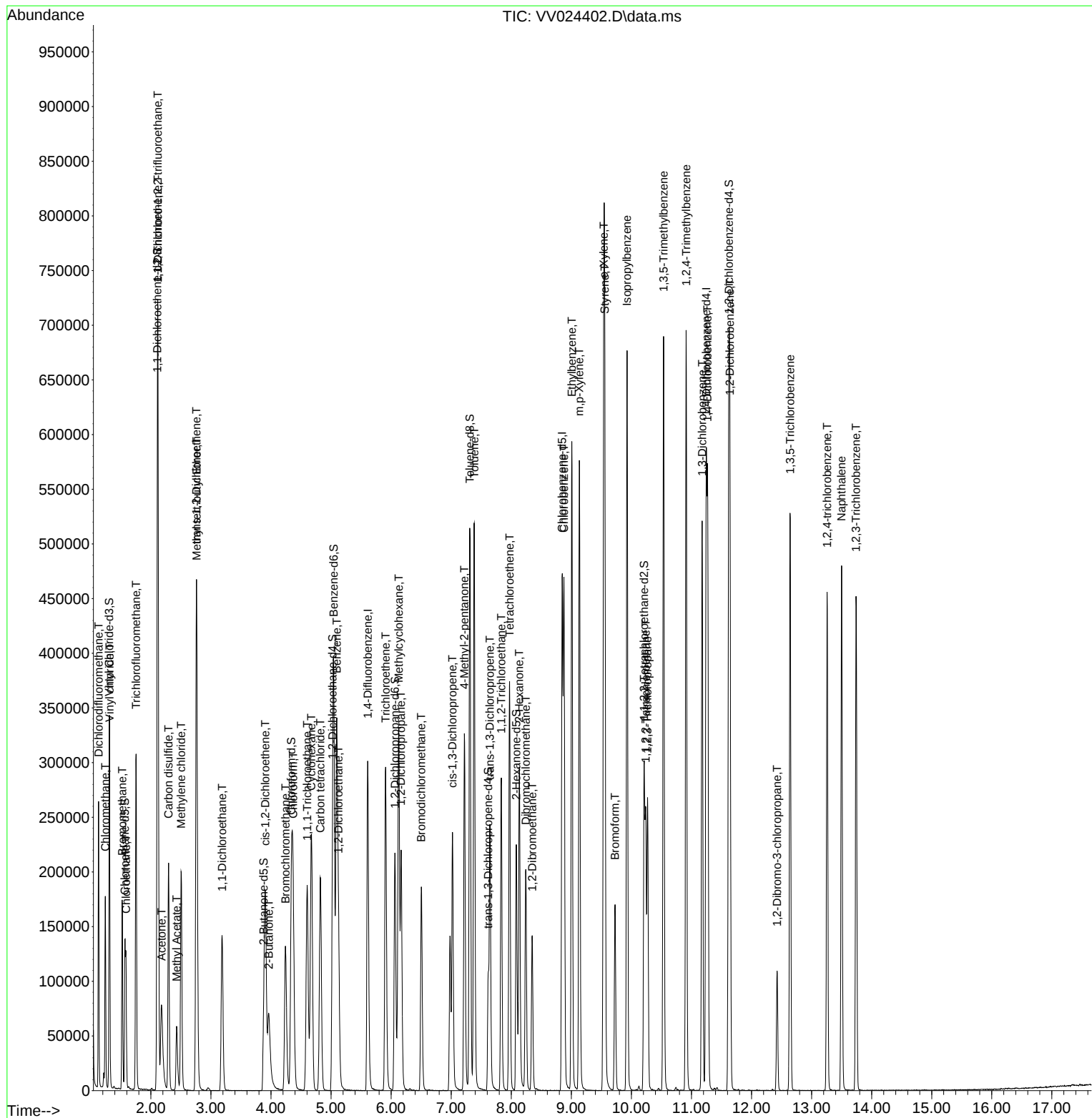
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|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 127564   | 48.148  | ug/L  | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 126211   | 55.270  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 152532   | 48.528  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 144360   | 49.506  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 330398   | 50.865  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 95033    | 53.054  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 143754   | 54.114  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 78727    | 51.529  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 120997   | 50.468  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 136304   | 53.073  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 199008   | 99.891  | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 379941   | 52.108  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 133149   | 51.108  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 85192    | 49.740  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.973  | 164  | 83546    | 51.244  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.133  | 43   | 180048   | 112.518 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.243  | 129  | 104498   | 48.673  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 90759    | 49.335  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.876  | 112  | 250317   | 50.969  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.008  | 91   | 410600   | 52.711  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.133  | 106  | 162939   | 52.185  | ug/L  | 99       |
| 54) o-Xylene                  | 9.538  | 106  | 158236   | 53.090  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 273535   | 52.847  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 113308   | 45.305  | ug/L  | 98       |
| 59) Bromoform                 | 9.728  | 173  | 77265    | 47.022  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.928  | 105  | 427501   | 53.612  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 98915    | 46.746  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 363143   | 52.943  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 369450   | 53.952  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 213437   | 51.913  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 217493   | 51.295  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 209712   | 49.491  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 25943    | 42.569  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 163131   | 51.583  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 137837   | 50.963  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 375460   | 47.982  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 137326   | 49.127  | ug/L  | 99       |

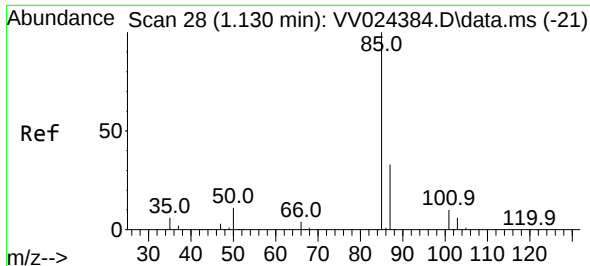
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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Jan 20 00:57:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
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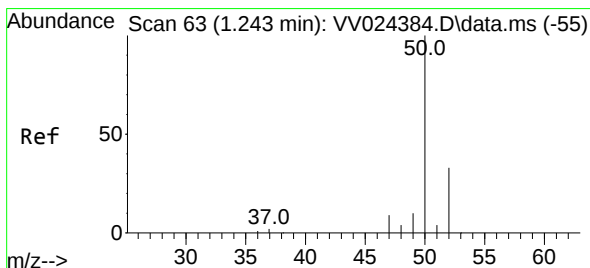
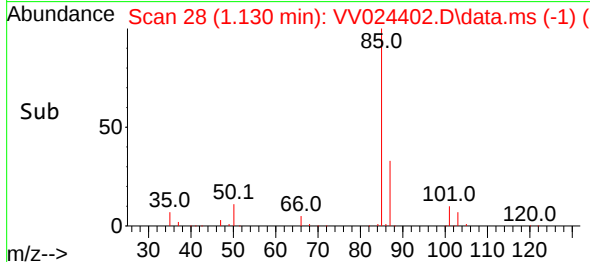
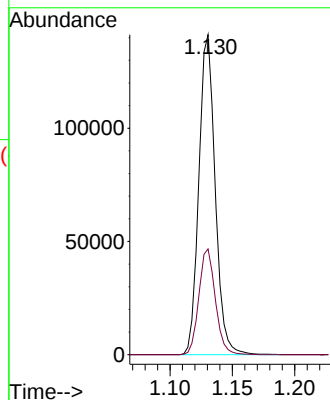
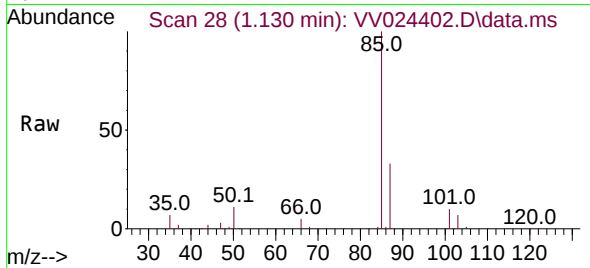




#2  
 Dichlorodifluoromethane  
 Concen: 59.641 ug/L  
 RT: 1.130 min Scan# 28  
 Delta R.T. 0.000 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

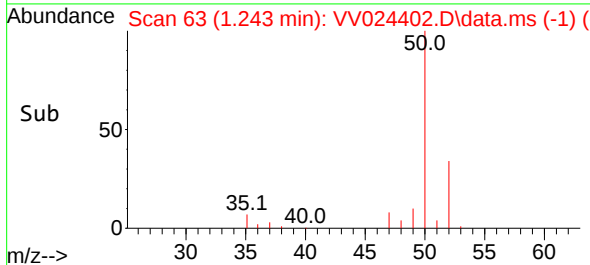
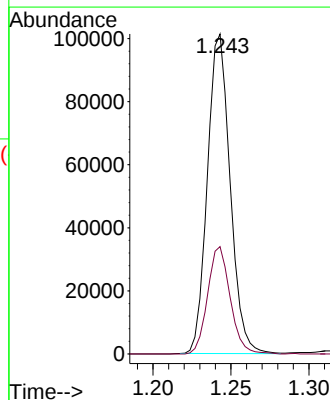
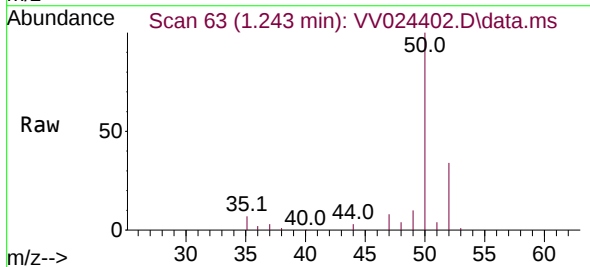
Instrument :  
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 ClientSampleId :

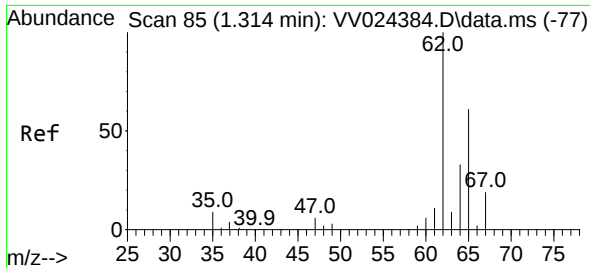
Tgt Ion: 85 Resp: 128761  
 Ion Ratio Lower Upper  
 85 100  
 87 33.3 25.8 38.8



#3  
 Chloromethane  
 Concen: 56.652 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. 0.000 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

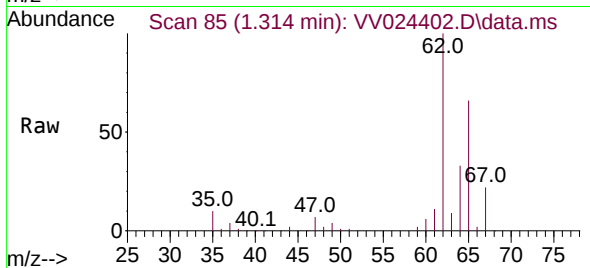
Tgt Ion: 50 Resp: 102757  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 24.1 44.7



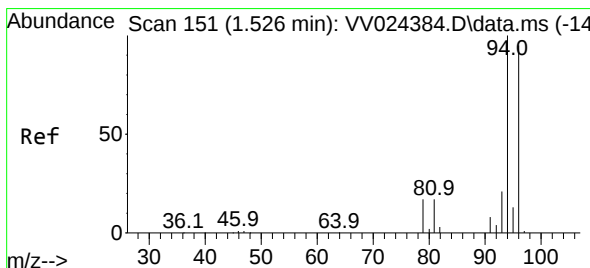
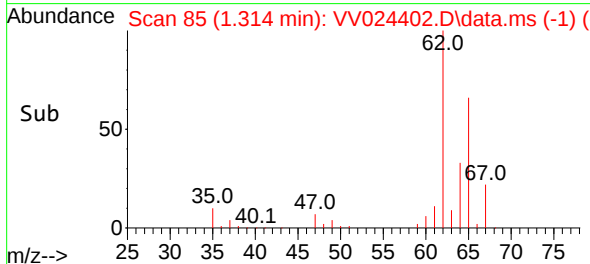
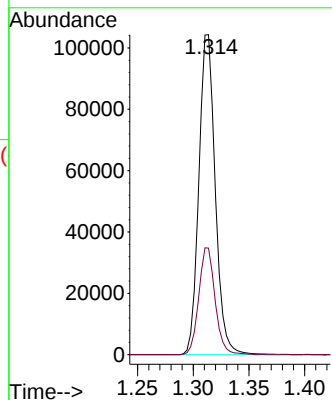


#5  
 Vinyl chloride  
 Concen: 55.634 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. 0.000 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

Instrument :  
 MSVOA\_V  
 ClientSampleId :

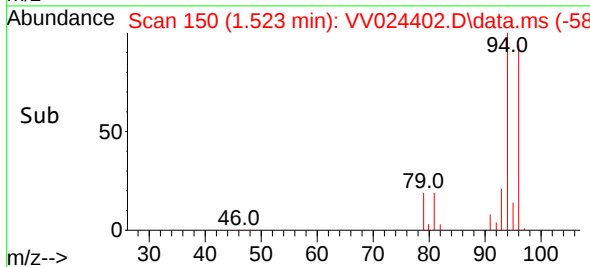
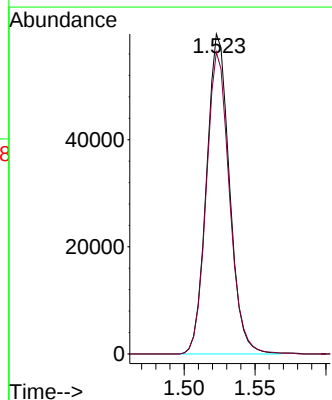
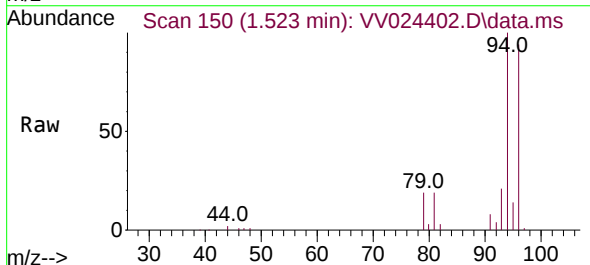


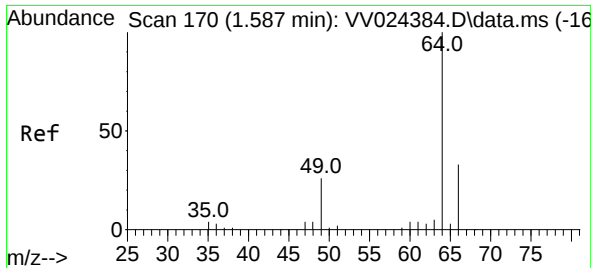
Tgt Ion: 62 Resp: 106773  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 25.0 46.4



#6  
 Bromomethane  
 Concen: 61.456 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. -0.003 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

Tgt Ion: 94 Resp: 67210  
 Ion Ratio Lower Upper  
 94 100  
 96 94.4 65.0 120.6

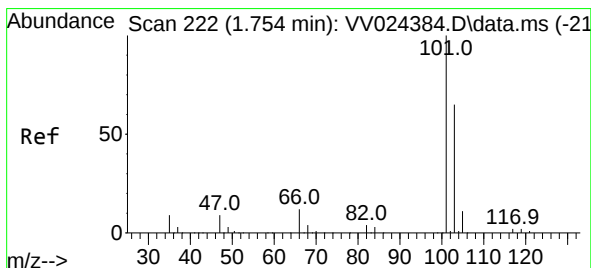
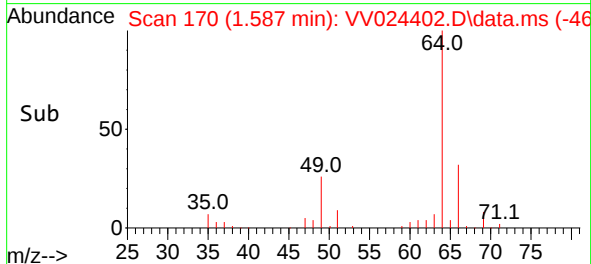
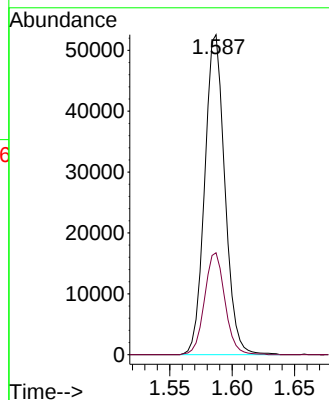
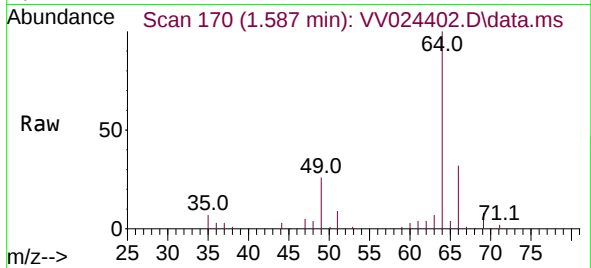




#8  
Chloroethane  
Concen: 50.054 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

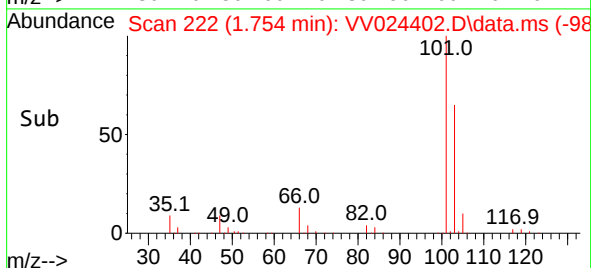
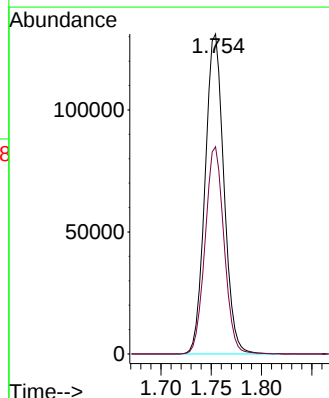
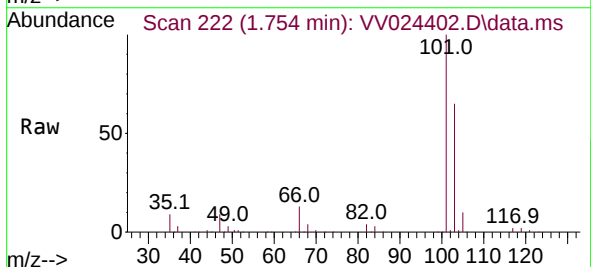
Instrument :  
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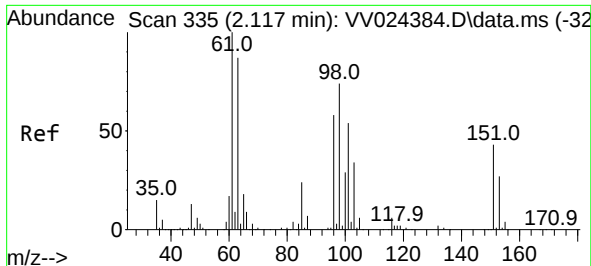
Tgt Ion: 64 Resp: 59295  
Ion Ratio Lower Upper  
64 100  
66 31.8 21.4 39.8



#9  
Trichlorofluoromethane  
Concen: 49.383 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:101 Resp: 170361  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.0 78.0





#10

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

Concen: 52.929 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

ClientSampleId :

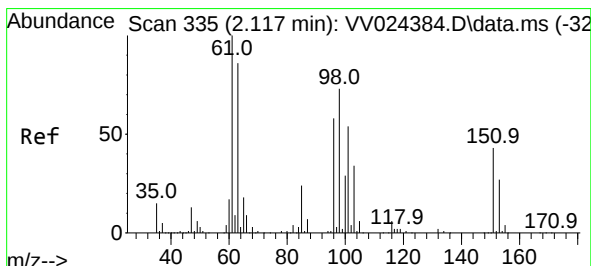
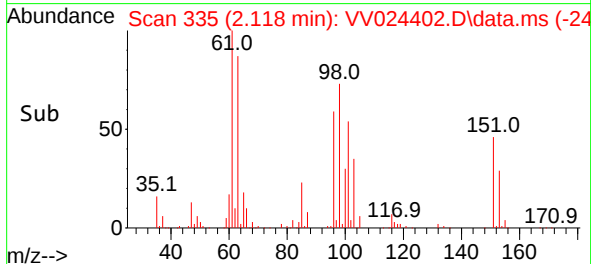
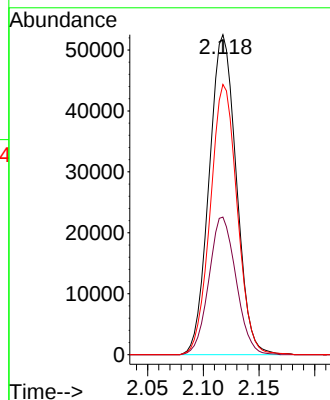
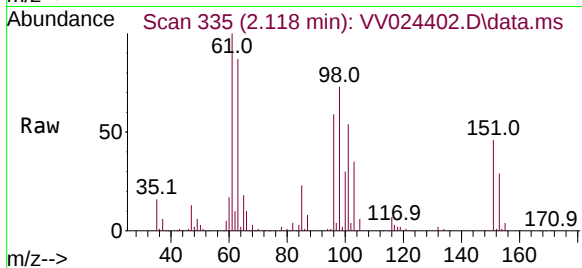
Tgt Ion:101 Resp: 89236

Ion Ratio Lower Upper

101 100

85 43.0 35.3 52.9

151 83.5 67.1 100.7



#12

1,1-Dichloroethene

Concen: 50.938 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

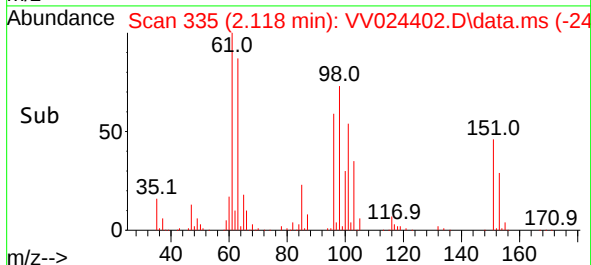
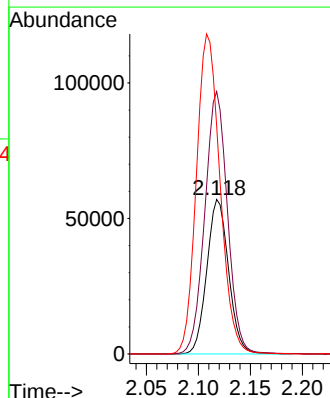
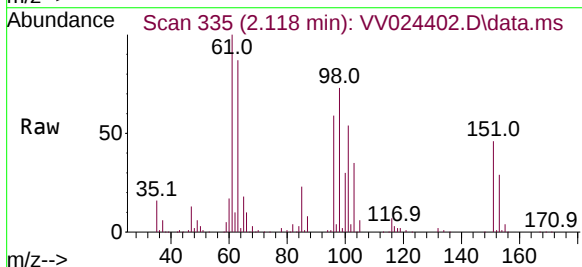
Tgt Ion: 96 Resp: 83031

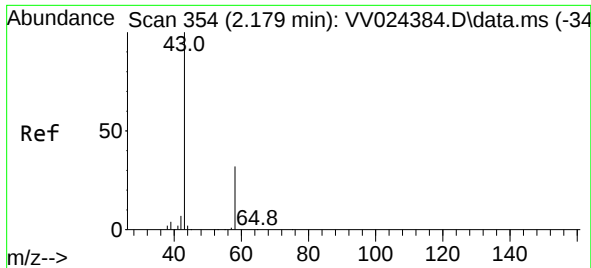
Ion Ratio Lower Upper

96 100

61 169.8 111.9 207.9

63 147.4 82.7 153.5





#13

Acetone

Concen: 125.027 ug/L

RT: 2.179 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

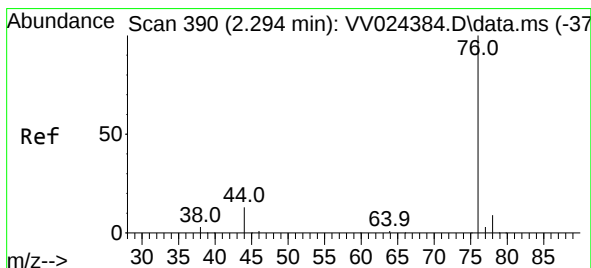
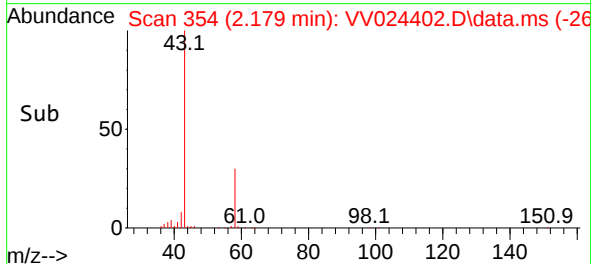
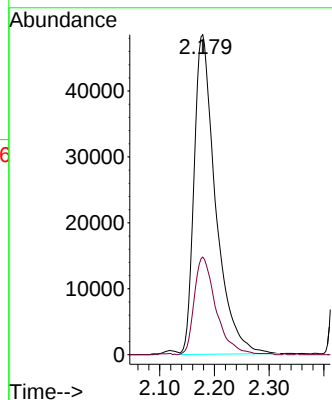
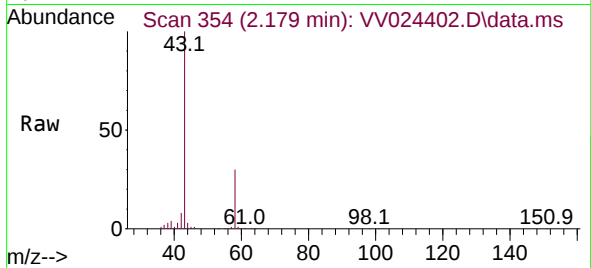
ClientSampleId :

Tgt Ion: 43 Resp: 132456

Ion Ratio Lower Upper

43 100

58 30.7 0.0 63.0



#14

Carbon disulfide

Concen: 49.462 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV024402.D

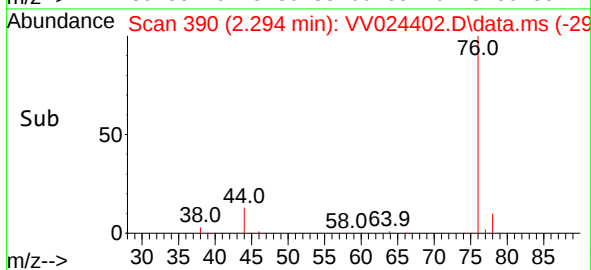
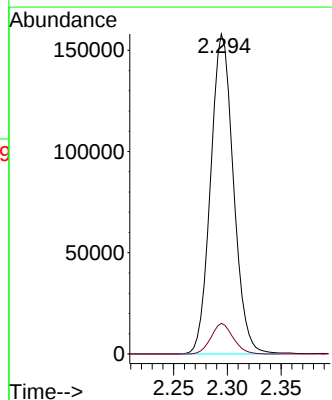
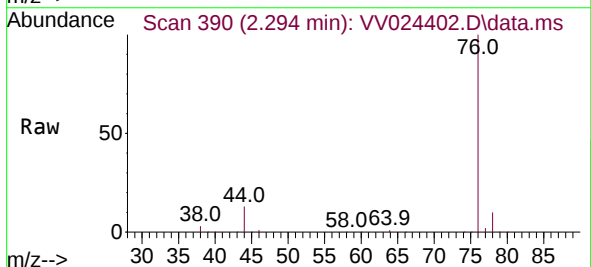
Acq: 19 Jan 2022 09:47

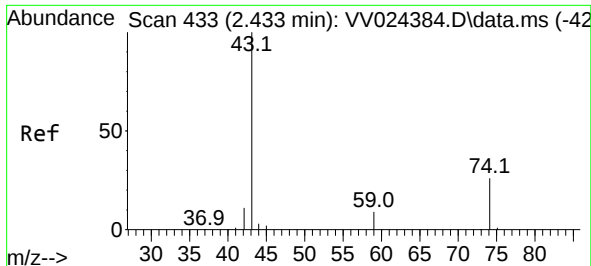
Tgt Ion: 76 Resp: 234095

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

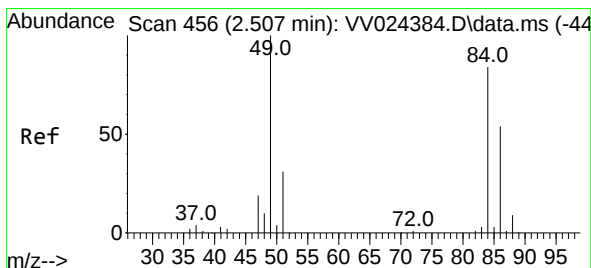
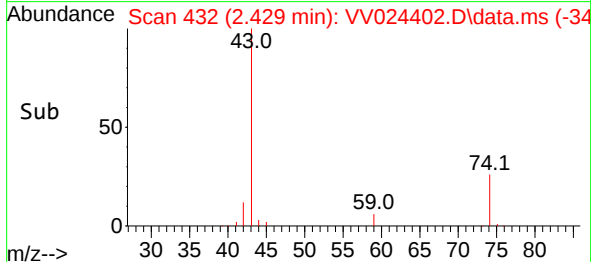
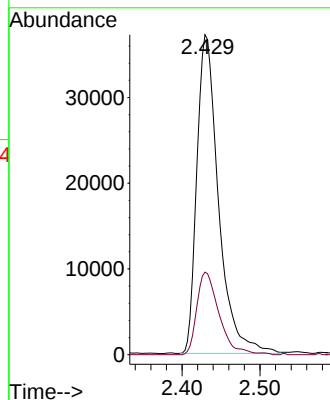
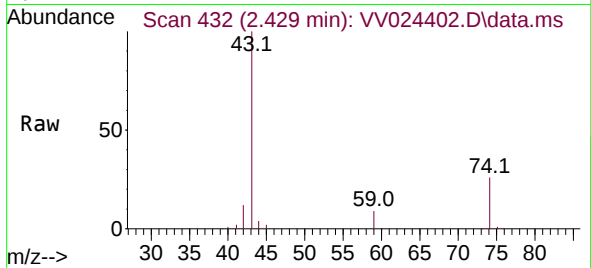




#15  
Methyl Acetate  
Concen: 46.670 ug/L  
RT: 2.429 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

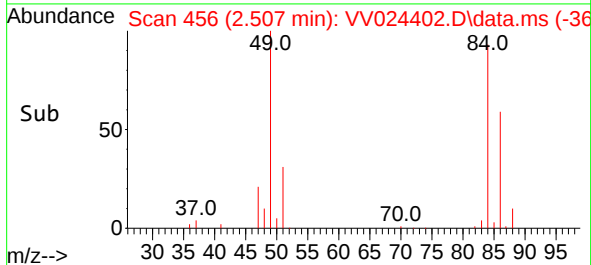
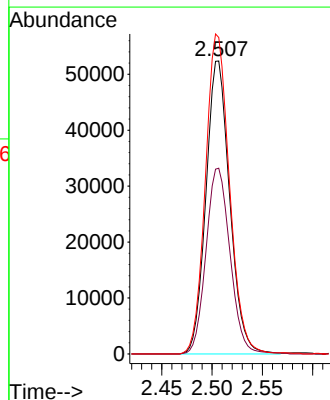
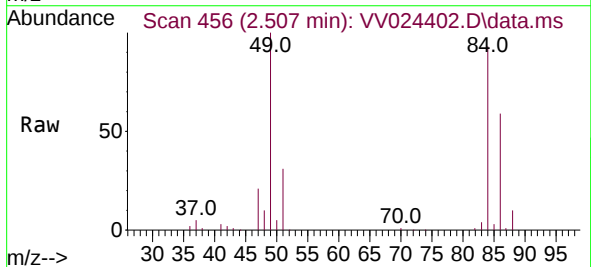
Instrument :  
MSVOA\_V  
ClientSampleId :

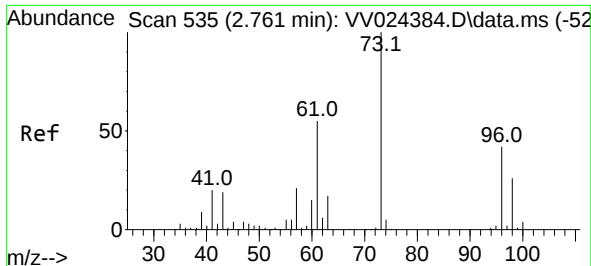
Tgt Ion: 43 Resp: 71913  
Ion Ratio Lower Upper  
43 100  
74 26.3 21.8 32.8



#16  
Methylene chloride  
Concen: 48.539 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 84 Resp: 86161  
Ion Ratio Lower Upper  
84 100  
86 63.4 46.8 86.8  
49 108.0 78.3 145.3

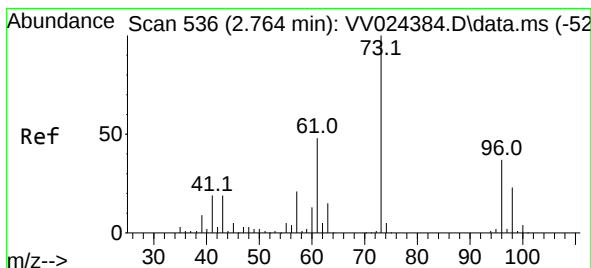
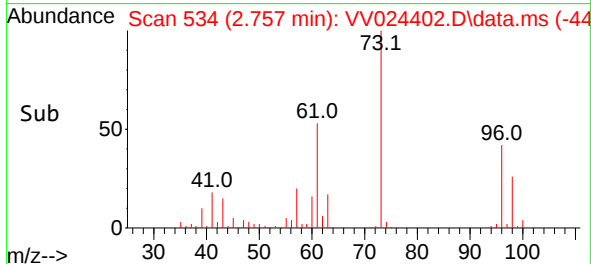
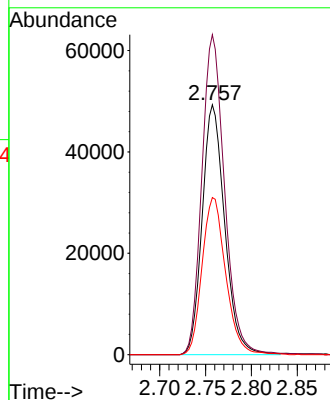
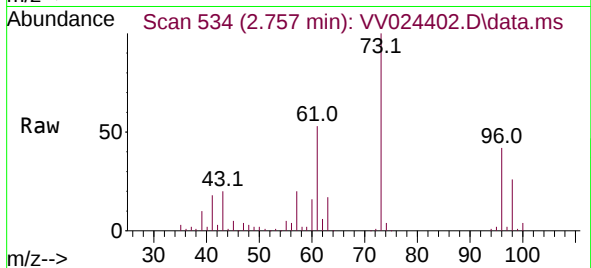




#17  
trans-1,2-Dichloroethene  
Concen: 50.203 ug/L  
RT: 2.757 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

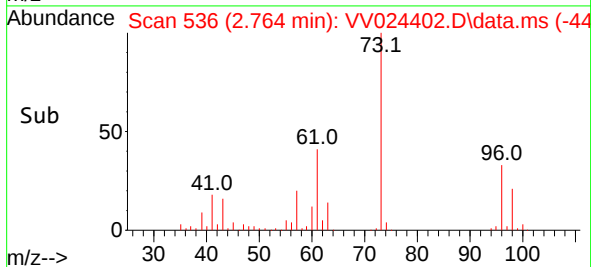
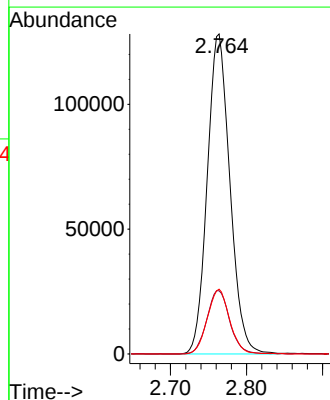
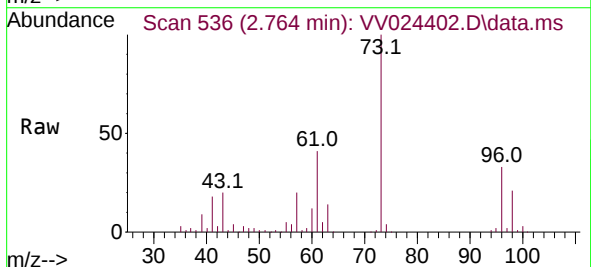
Instrument :  
MSVOA\_V  
ClientSampleId :

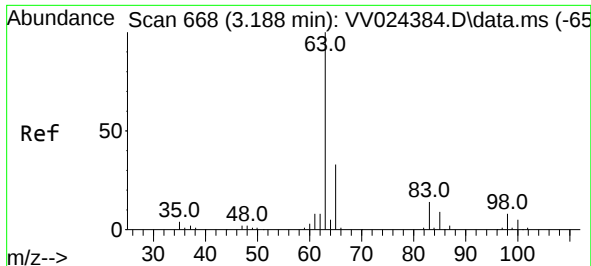
Tgt Ion: 96 Resp: 84325  
Ion Ratio Lower Upper  
96 100  
61 128.1 88.1 163.7  
98 62.9 45.0 83.6



#18  
Methyl tert-butyl Ether  
Concen: 51.209 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 73 Resp: 265096  
Ion Ratio Lower Upper  
73 100  
43 20.0 16.2 24.2  
57 19.9 15.9 23.9





#19

1,1-Dichloroethane

Concen: 49.610 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

ClientSampleId :

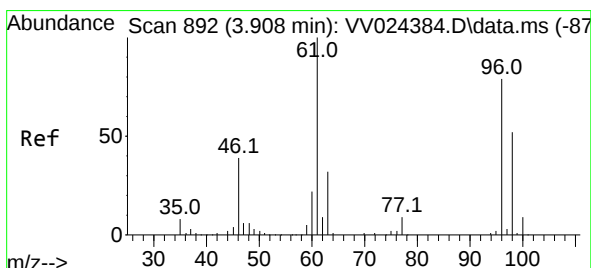
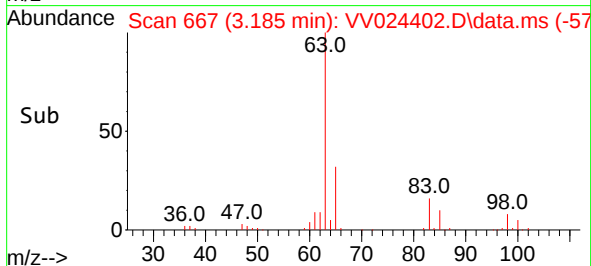
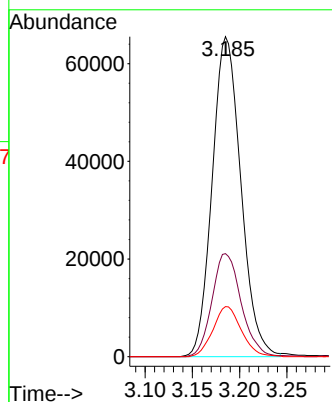
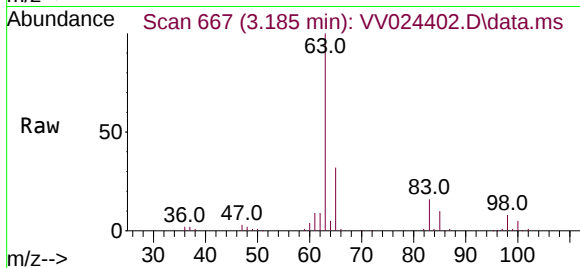
Tgt Ion: 63 Resp: 138213

Ion Ratio Lower Upper

63 100

65 32.2 22.4 41.6

83 15.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 49.902 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

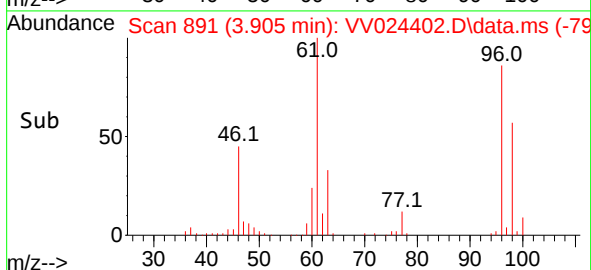
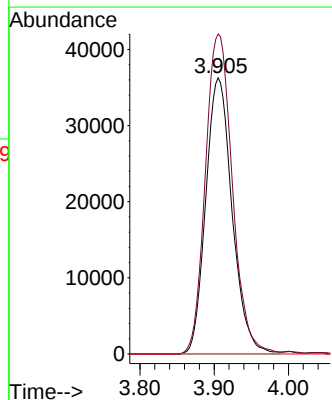
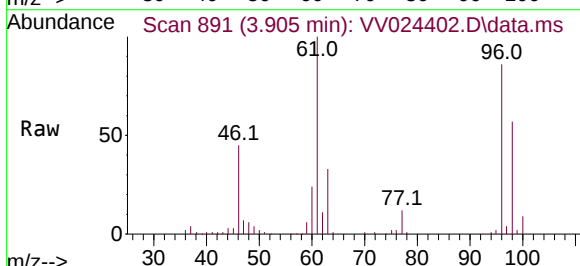
Tgt Ion: 96 Resp: 89518

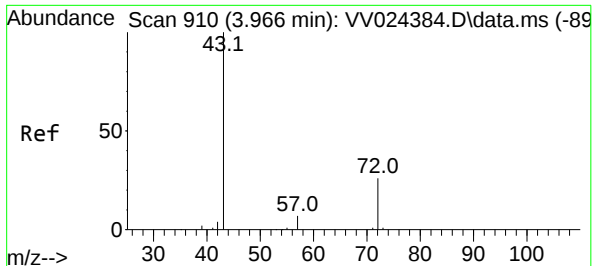
Ion Ratio Lower Upper

96 100

61 115.9 82.9 153.9

68 0.0 0.0 0.0

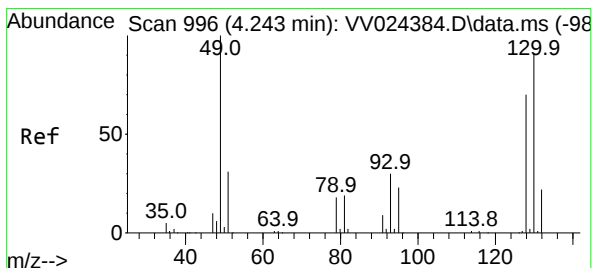
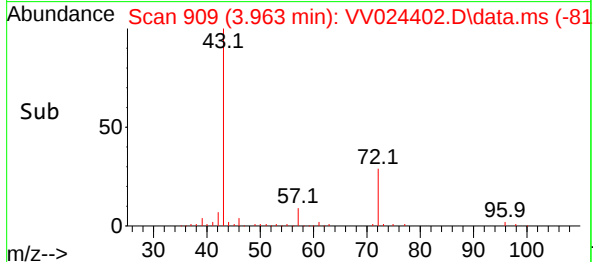
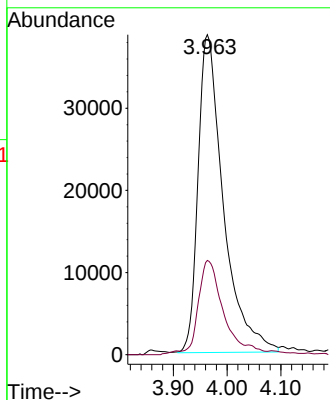
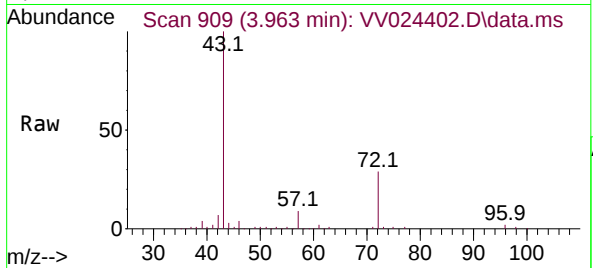




#22  
2-Butanone  
Concen: 112.542 ug/L  
RT: 3.963 min Scan# 909  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

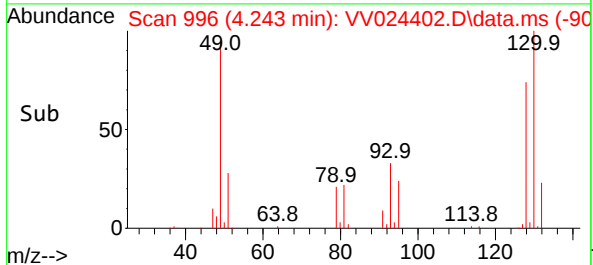
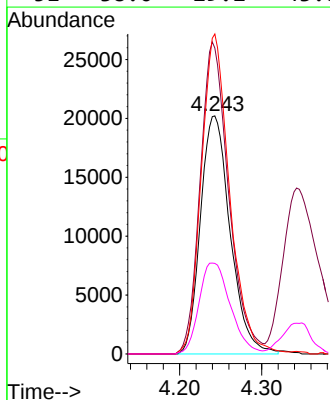
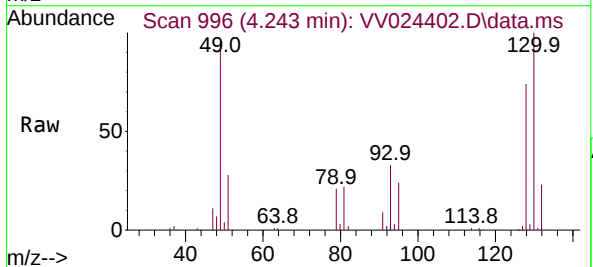
Instrument :  
MSVOA\_V  
ClientSampleId :

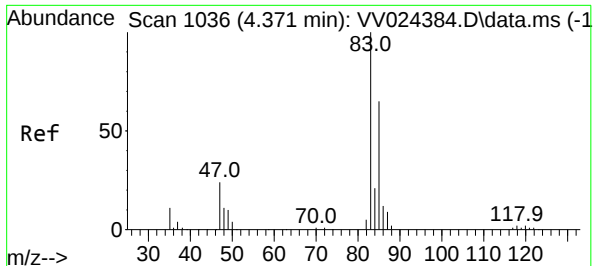
Tgt Ion: 43 Resp: 126651  
Ion Ratio Lower Upper  
43 100  
72 25.6 14.9 44.9



#23  
Bromochloromethane  
Concen: 49.152 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:128 Resp: 50805  
Ion Ratio Lower Upper  
128 100  
49 128.5 83.1 154.3  
130 134.4 87.0 161.6  
51 38.0 29.2 43.8

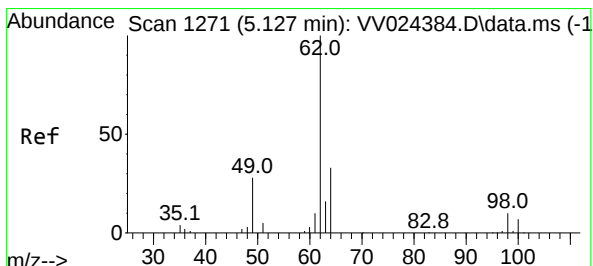
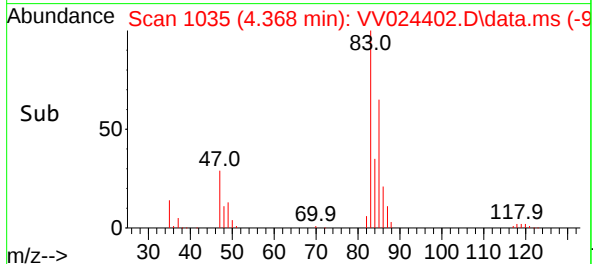
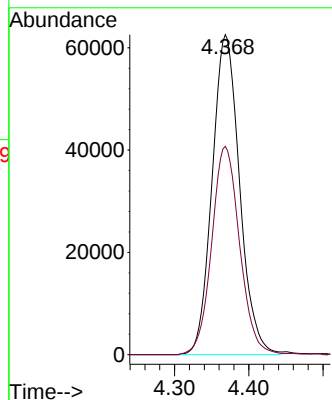
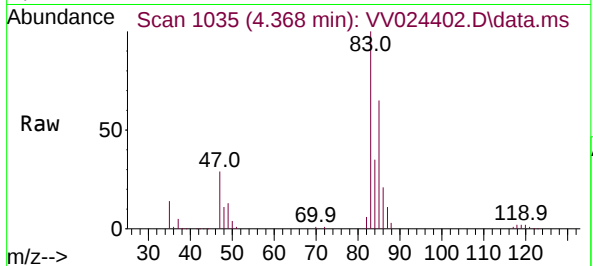




#25  
Chloroform  
Concen: 49.361 ug/L  
RT: 4.368 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

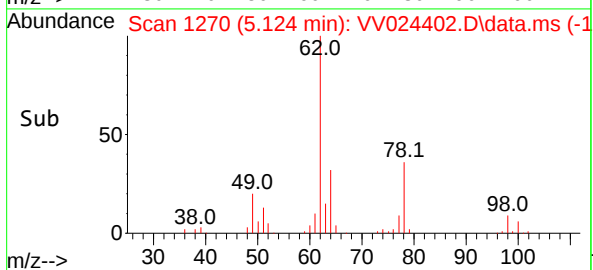
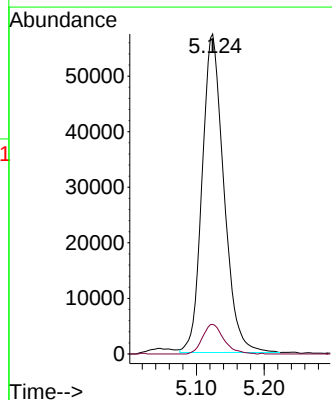
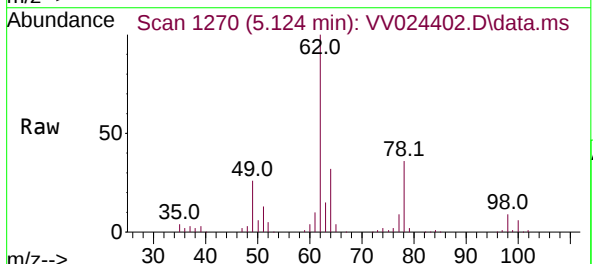
Instrument :  
MSVOA\_V  
ClientSampleId :

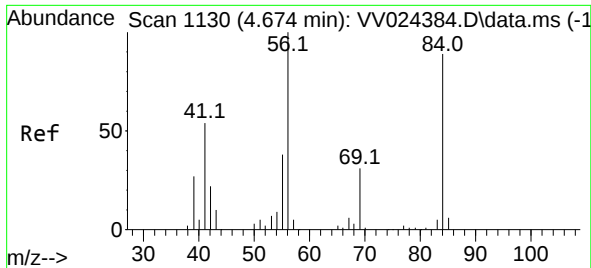
Tgt Ion: 83 Resp: 160786  
Ion Ratio Lower Upper  
83 100  
85 65.1 46.3 85.9



#27  
1,2-Dichloroethane  
Concen: 48.148 ug/L  
RT: 5.124 min Scan# 1270  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 62 Resp: 127564  
Ion Ratio Lower Upper  
62 100  
98 9.3 7.1 10.7

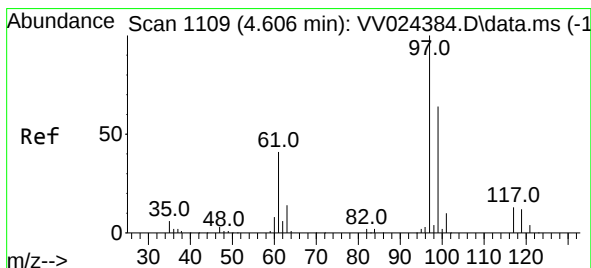
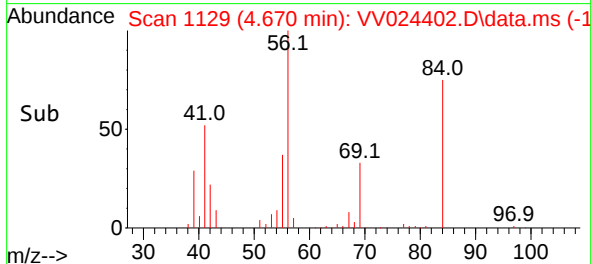
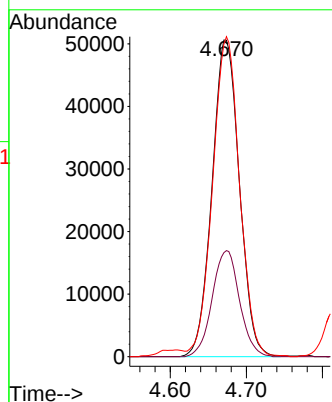
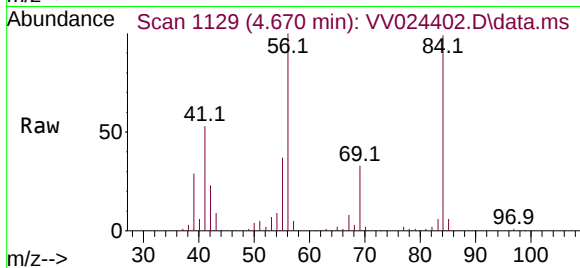




#29  
Cyclohexane  
Concen: 55.270 ug/L  
RT: 4.670 min Scan# 1129  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

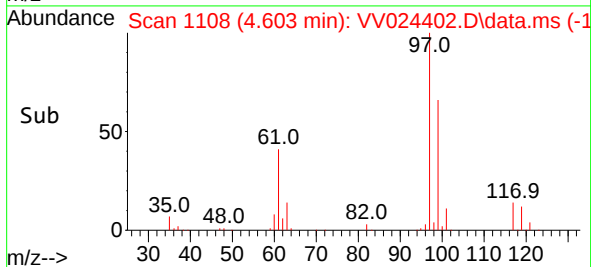
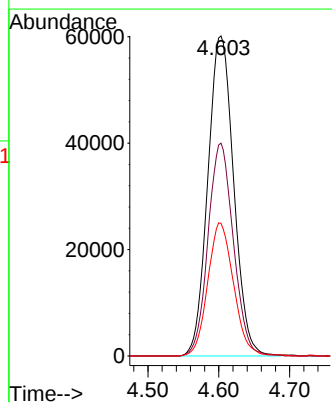
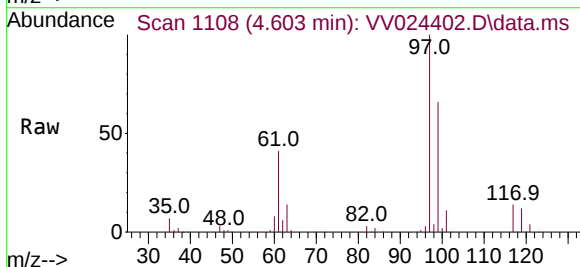
Instrument :  
MSVOA\_V  
ClientSampleId :

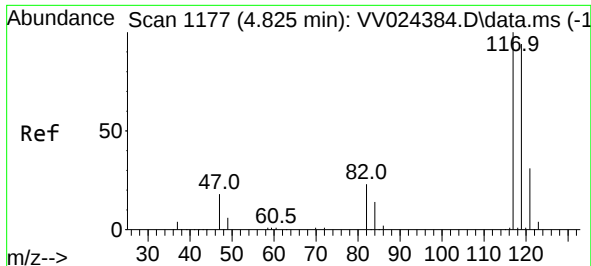
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 126211 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 33.5  | 25.8  | 38.6   |
| 84       | 98.7  | 79.1  | 118.7  |



#30  
1,1,1-Trichloroethane  
Concen: 48.528 ug/L  
RT: 4.603 min Scan# 1108  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 152532 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.1  | 51.2  | 76.8   |
| 61       | 41.4  | 33.2  | 49.8   |

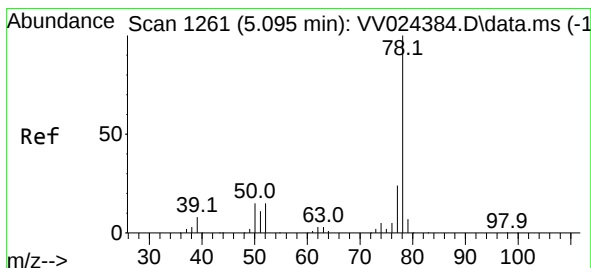
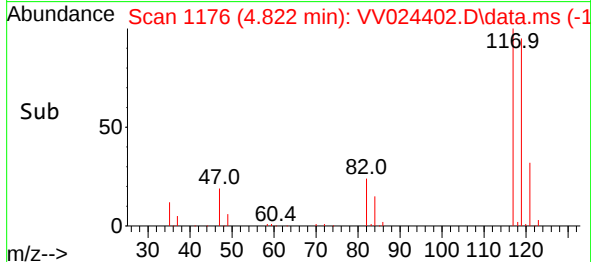
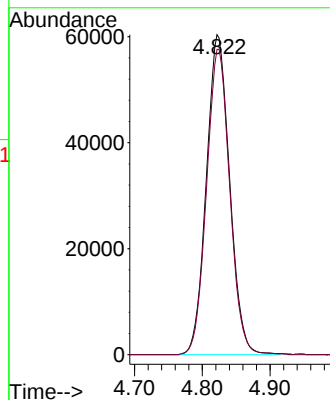
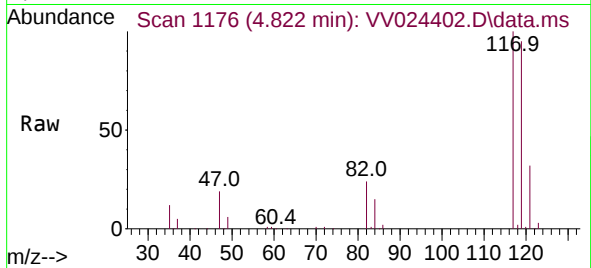




#31  
Carbon tetrachloride  
Concen: 49.506 ug/L  
RT: 4.822 min Scan# 1177  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

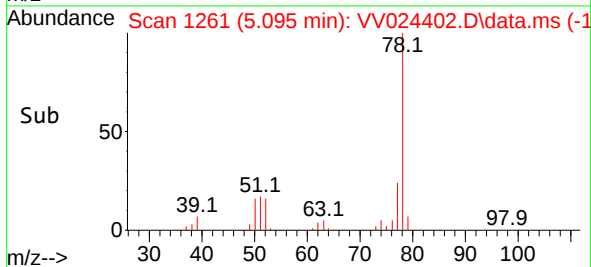
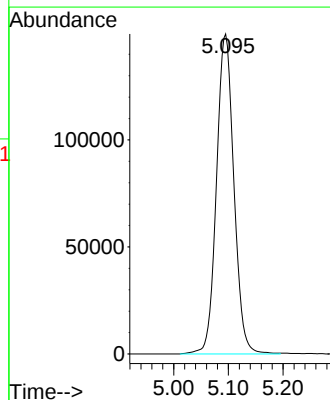
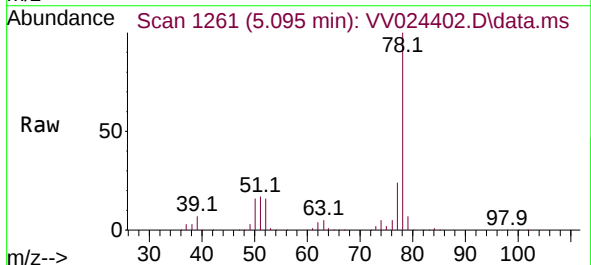
Instrument :  
MSVOA\_V  
ClientSampleId :

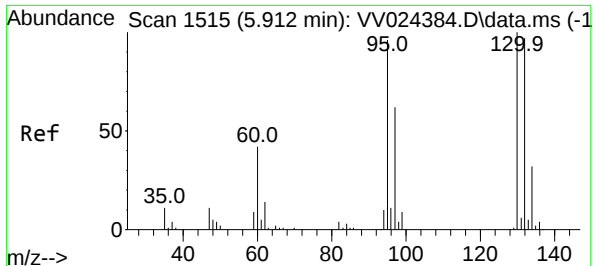
Tgt Ion:117 Resp: 144360  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.9 115.3



#33  
Benzene  
Concen: 50.865 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

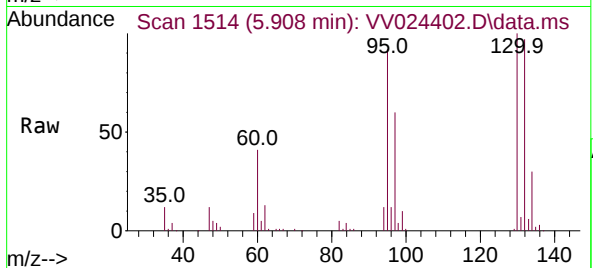
Tgt Ion: 78 Resp: 330398



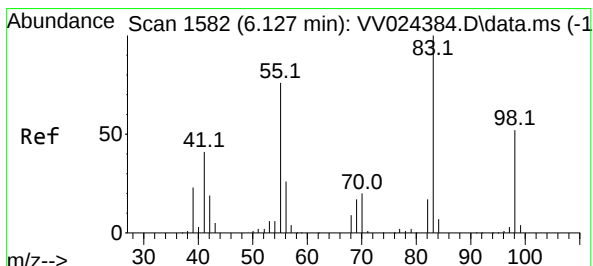
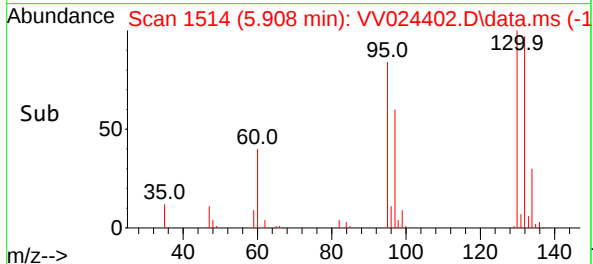
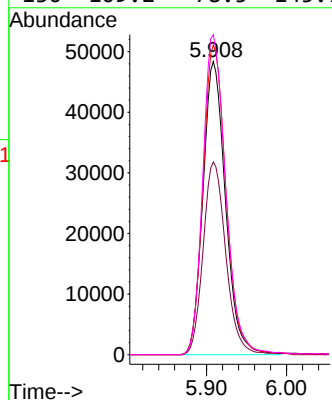


#34  
Trichloroethene  
Concen: 53.054 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Instrument :  
MSVOA\_V  
ClientSampleId :

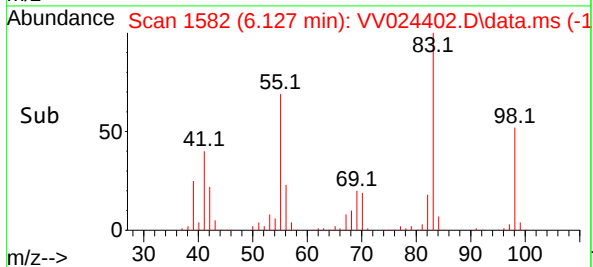
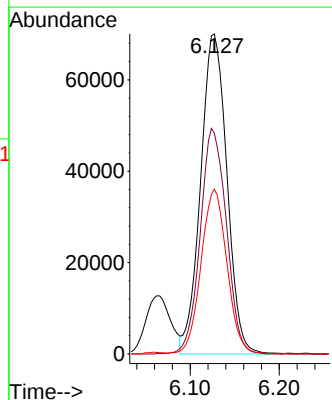
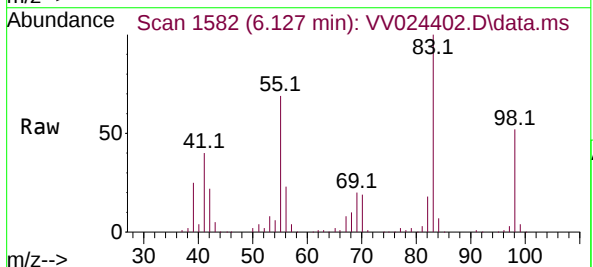


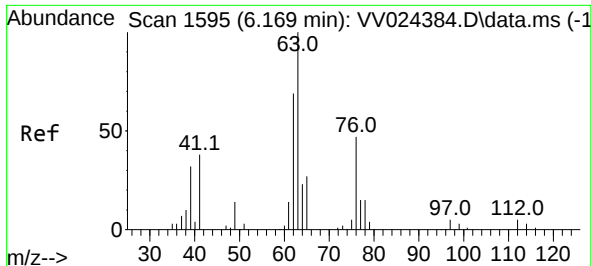
| Tgt Ion:  | 95    | Resp: | 95033 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 95        | 100   |       |       |
| 97        | 65.7  | 44.1  | 81.9  |
| 132       | 105.7 | 75.1  | 139.5 |
| 130       | 109.2 | 78.5  | 145.7 |



#35  
Methylcyclohexane  
Concen: 54.114 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

| Tgt Ion:  | 83   | Resp: | 143754 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 69.9 | 55.6  | 83.4   |
| 98        | 50.5 | 41.3  | 61.9   |





#37

1,2-Dichloropropane

Concen: 51.529 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

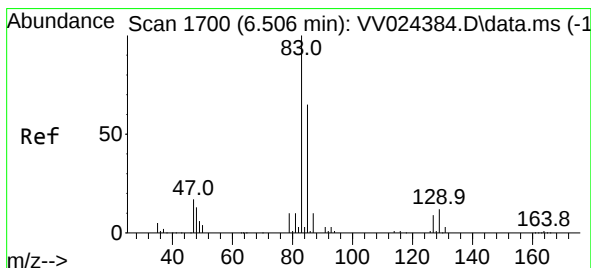
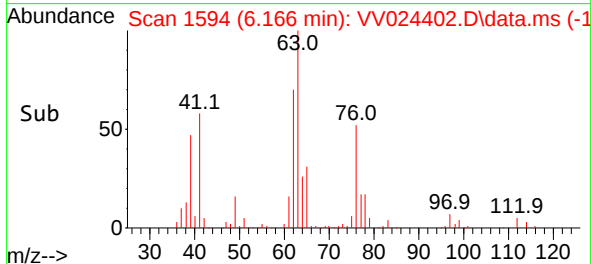
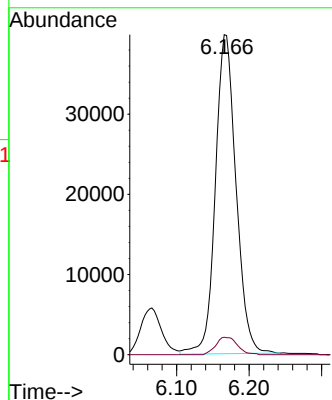
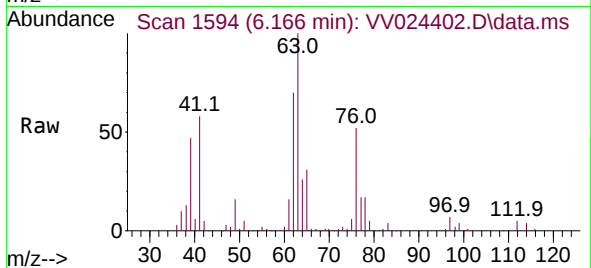
ClientSampleId :

Tgt Ion: 63 Resp: 78727

Ion Ratio Lower Upper

63 100

112 5.7 4.7 7.1



#38

Bromodichloromethane

Concen: 50.468 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

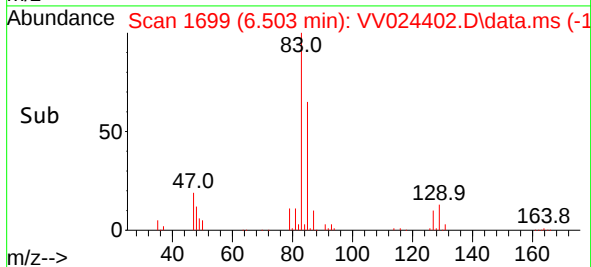
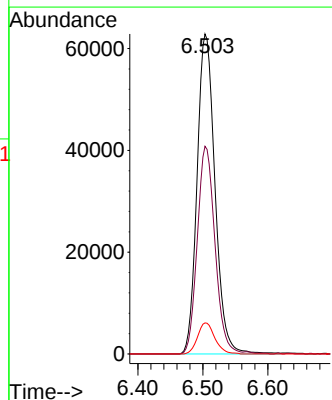
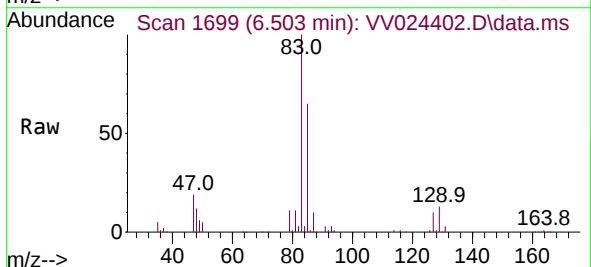
Tgt Ion: 83 Resp: 120997

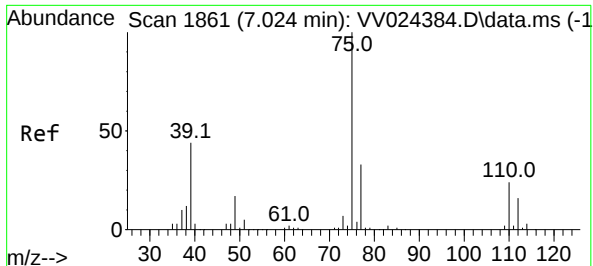
Ion Ratio Lower Upper

83 100

85 64.9 45.2 84.0

127 9.7 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 53.073 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

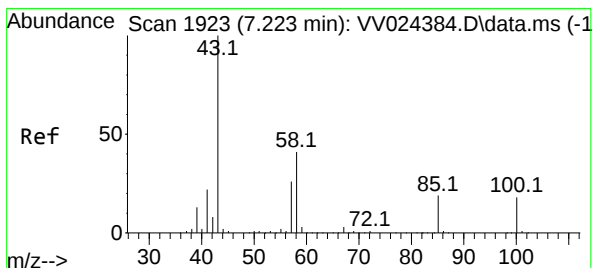
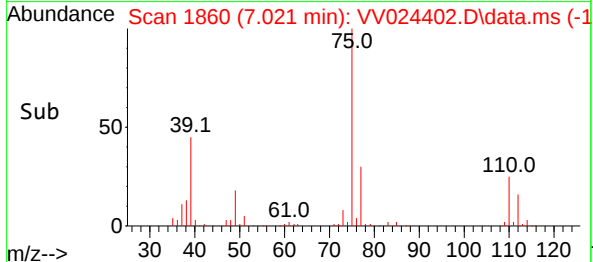
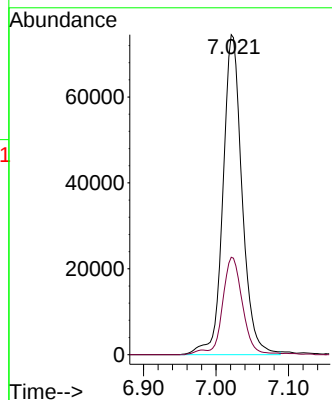
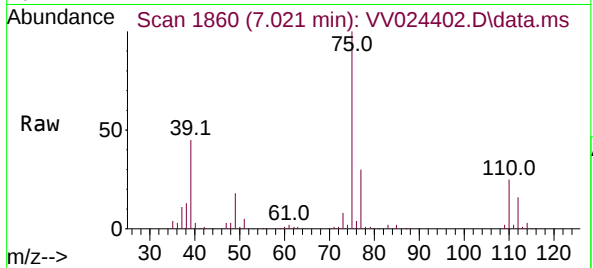
ClientSampleId :

Tgt Ion: 75 Resp: 136304

Ion Ratio Lower Upper

75 100

77 30.4 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 99.891 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

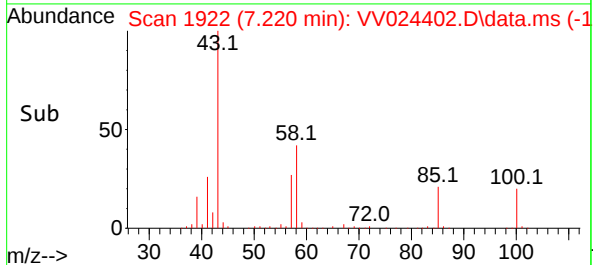
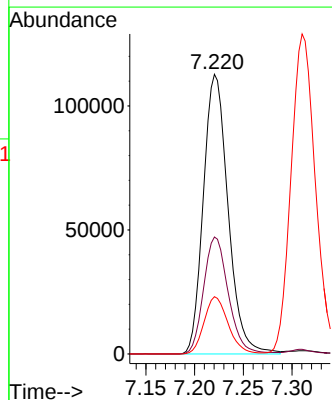
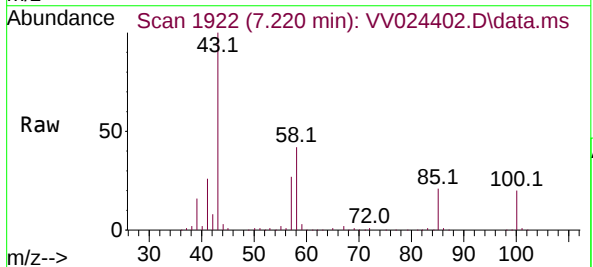
Tgt Ion: 43 Resp: 199008

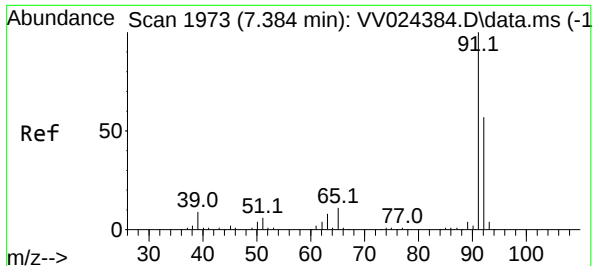
Ion Ratio Lower Upper

43 100

58 41.8 33.0 49.4

100 19.9 16.0 24.0





#42

Toluene

Concen: 52.108 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

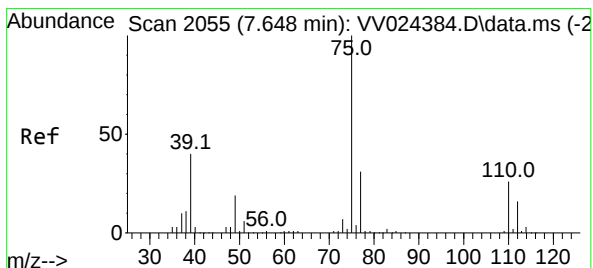
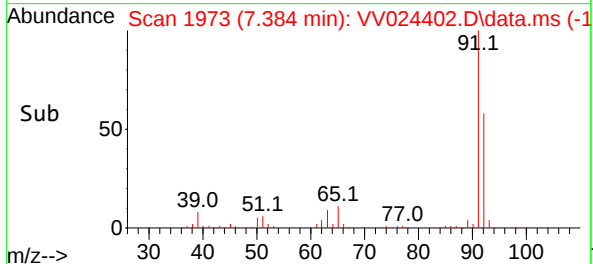
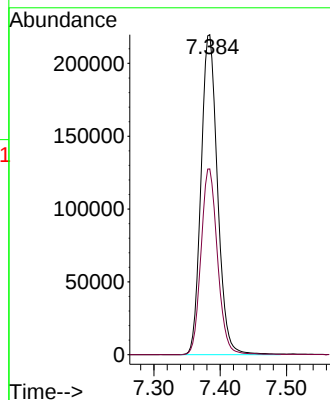
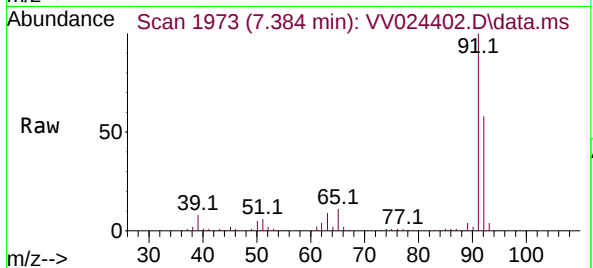
ClientSampleId :

Tgt Ion: 91 Resp: 379941

Ion Ratio Lower Upper

91 100

92 58.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 51.108 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV024402.D

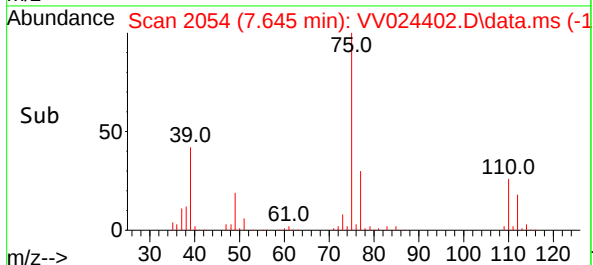
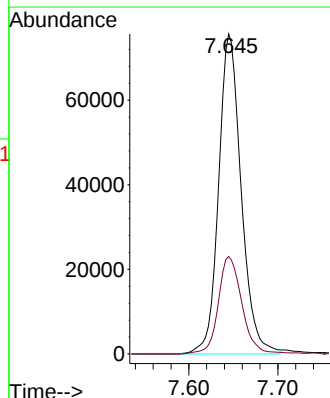
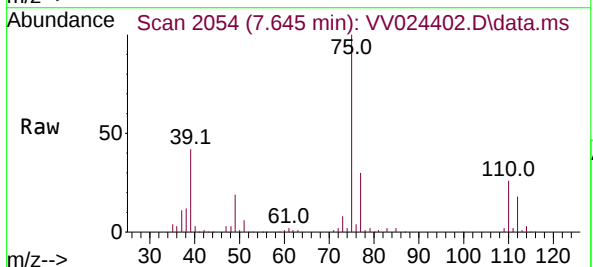
Acq: 19 Jan 2022 09:47

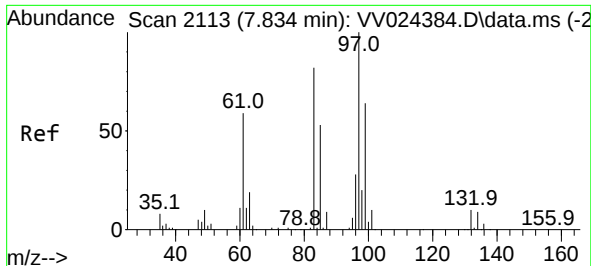
Tgt Ion: 75 Resp: 133149

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.1

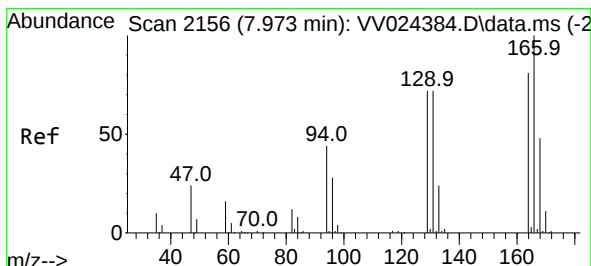
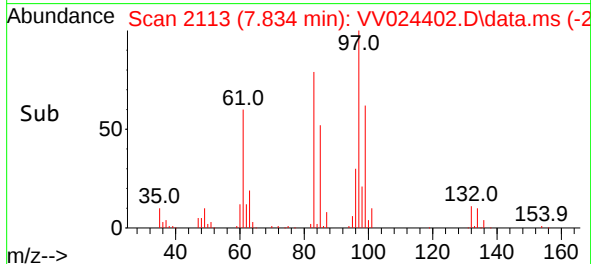
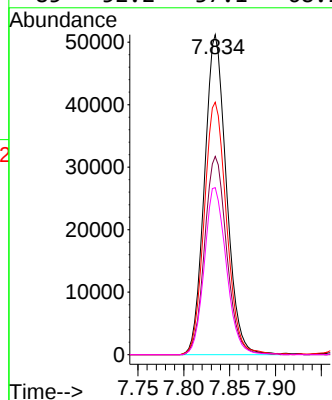
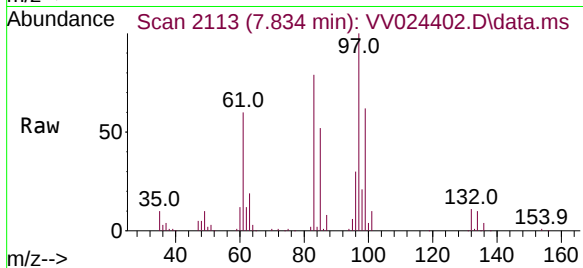




#45  
1,1,2-Trichloroethane  
Concen: 49.740 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

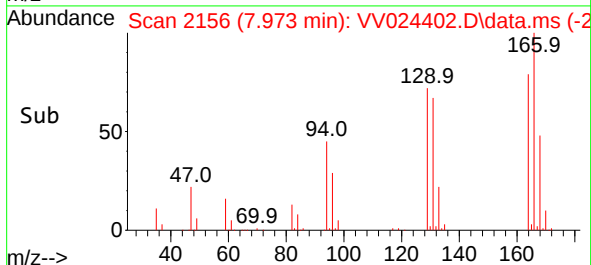
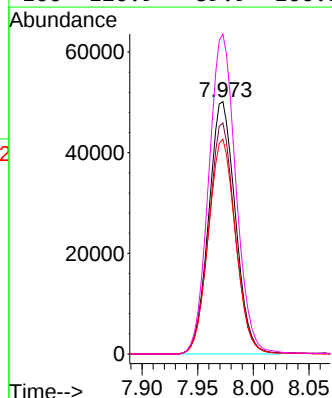
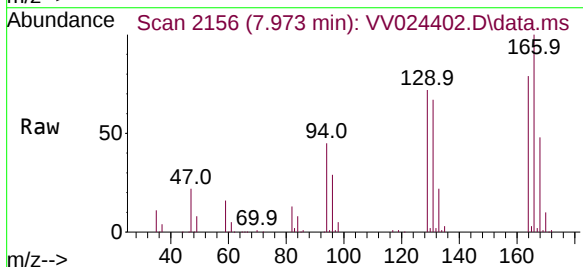
Instrument :  
MSVOA\_V  
ClientSampleId :

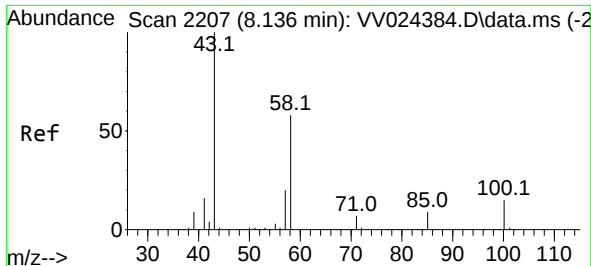
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 85192 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 62.0     | 42.4 78.8   |
| 83 78.9     | 57.9 107.5  |
| 85 52.2     | 37.1 68.9   |



#46  
Tetrachloroethene  
Concen: 51.244 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 83546 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 91.6    | 61.5  | 114.1 |
| 131 | 85.1    | 62.2  | 115.4 |
| 166 | 126.9   | 89.9  | 166.9 |

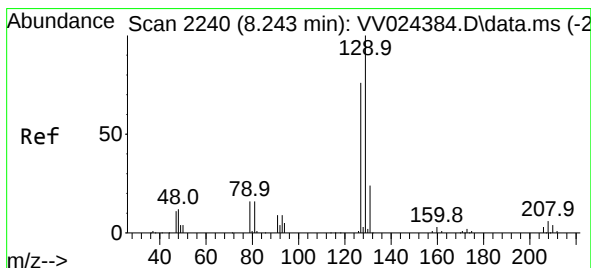
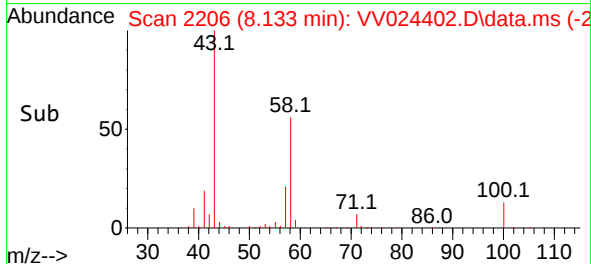
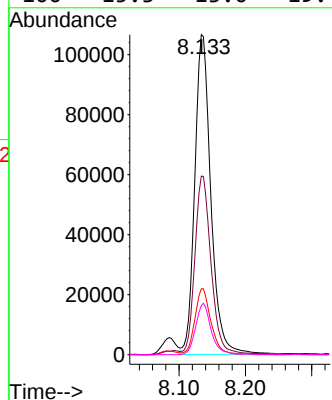
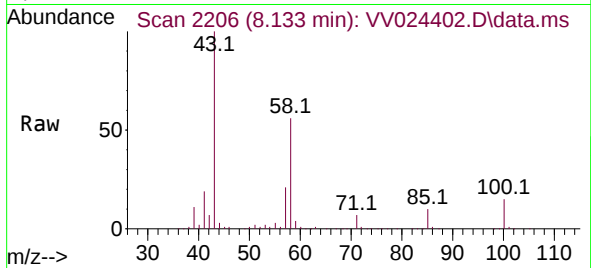




#48  
2-Hexanone  
Concen: 112.518 ug/L  
RT: 8.133 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

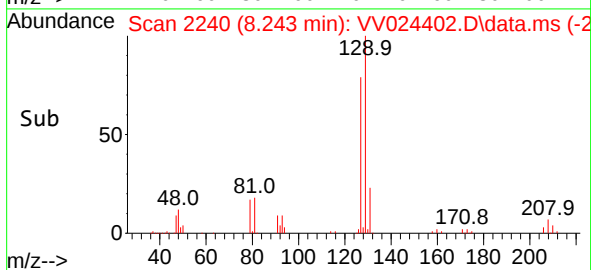
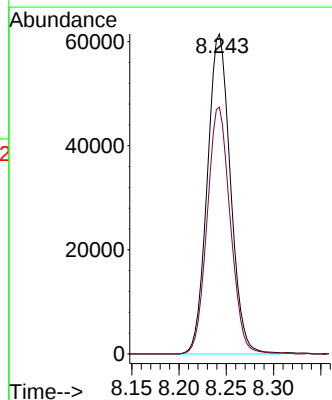
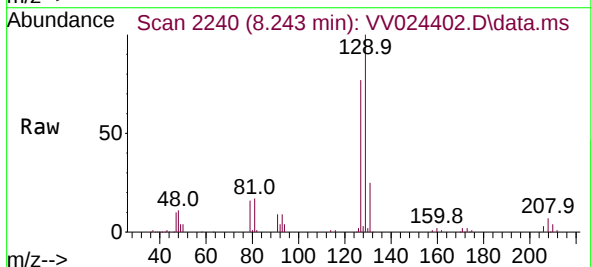
Instrument :  
MSVOA\_V  
ClientSampleId :

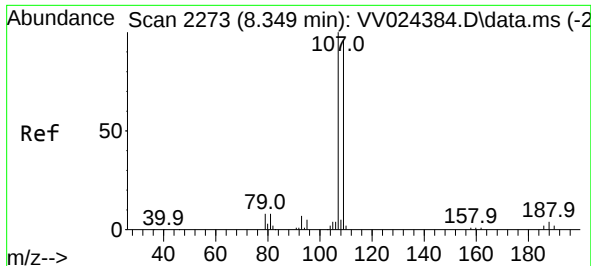
Tgt Ion: 43 Resp: 180048  
Ion Ratio Lower Upper  
43 100  
58 55.3 45.0 67.4  
57 20.3 16.9 25.3  
100 15.3 13.0 19.4



#49  
Dibromochloromethane  
Concen: 48.673 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:129 Resp: 104498  
Ion Ratio Lower Upper  
129 100  
127 77.2 53.7 99.7





#50

1,2-Dibromoethane

Concen: 49.335 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV024402.D

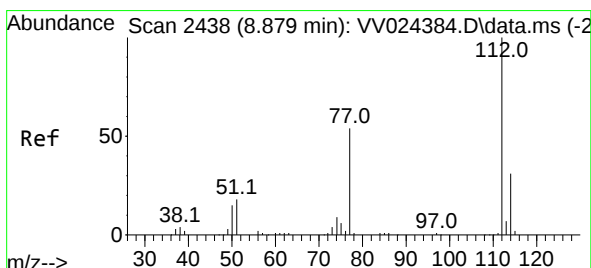
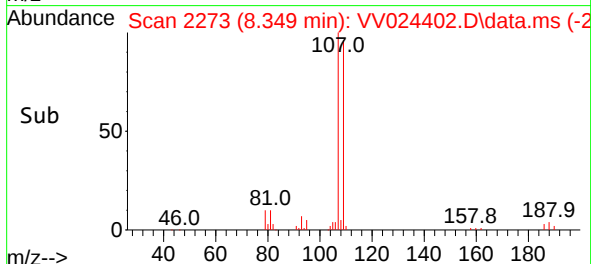
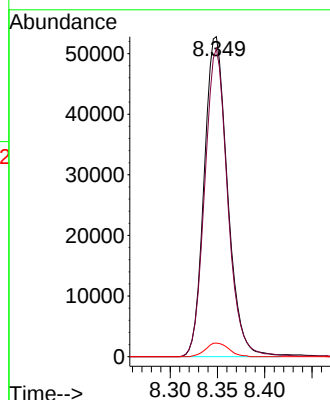
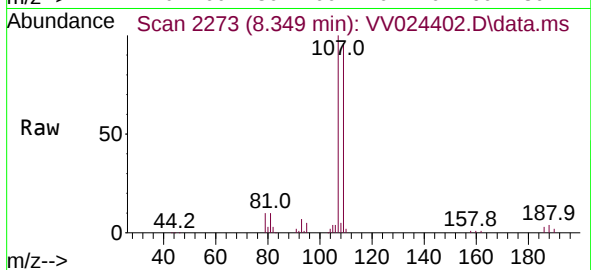
Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 90759 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 96.2  | 65.8  | 122.2 |
| 188      | 4.3   | 3.8   | 5.6   |



#51

Chlorobenzene

Concen: 50.969 ug/L

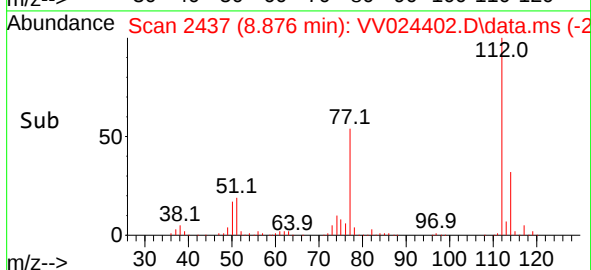
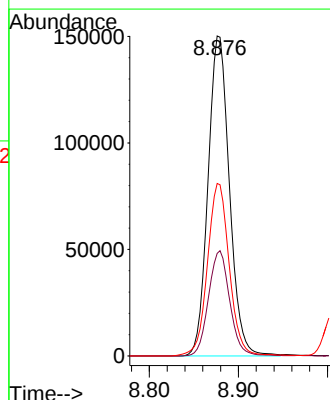
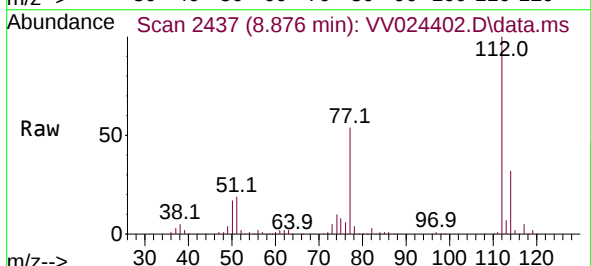
RT: 8.876 min Scan# 2437

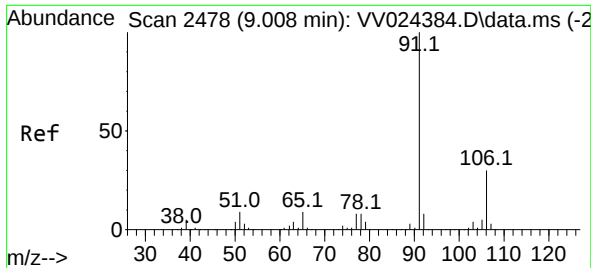
Delta R.T. -0.003 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 250317 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.0  | 22.3  | 41.5   |
| 77       | 53.9  | 42.8  | 64.2   |

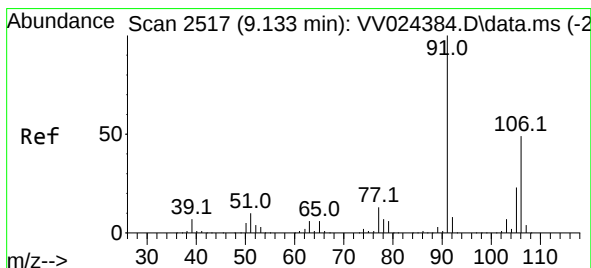
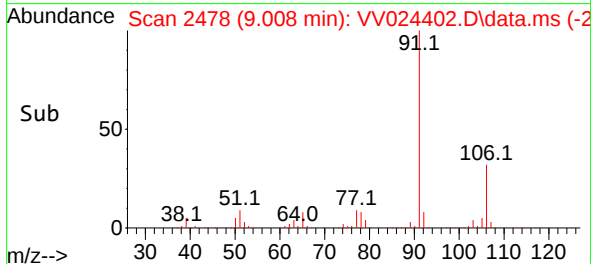
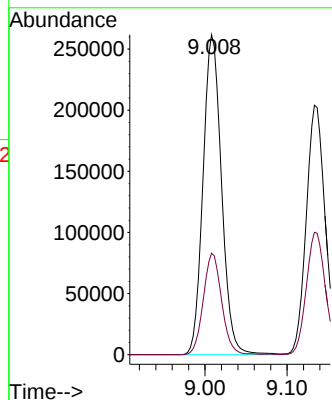
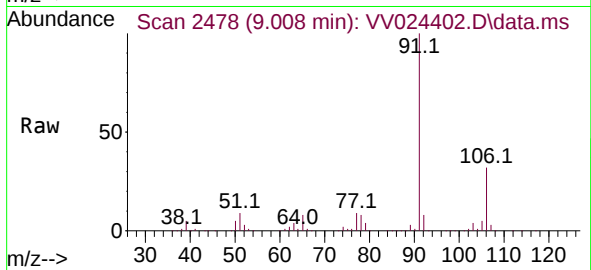




#52  
Ethylbenzene  
Concen: 52.711 ug/L  
RT: 9.008 min Scan# 2478  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

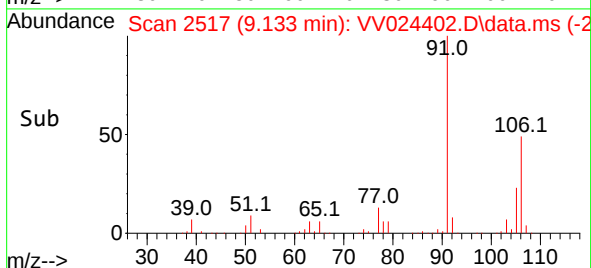
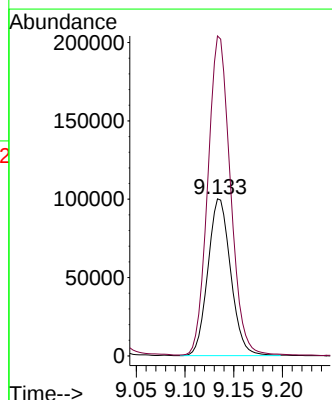
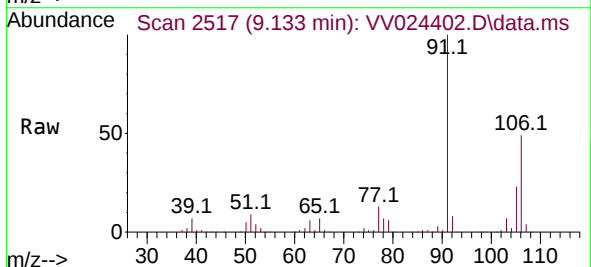
Instrument :  
MSVOA\_V  
ClientSampleId :

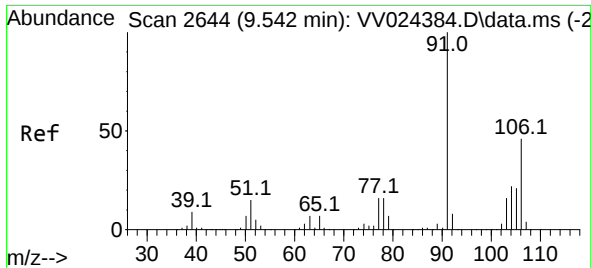
Tgt Ion: 91 Resp: 410600  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.0 41.0



#53  
m,p-Xylene  
Concen: 52.185 ug/L  
RT: 9.133 min Scan# 2517  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 106 Resp: 162939  
Ion Ratio Lower Upper  
106 100  
91 203.7 141.8 263.4

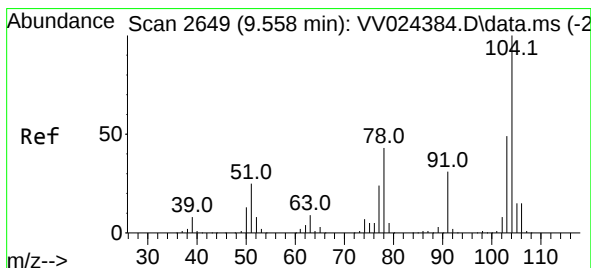
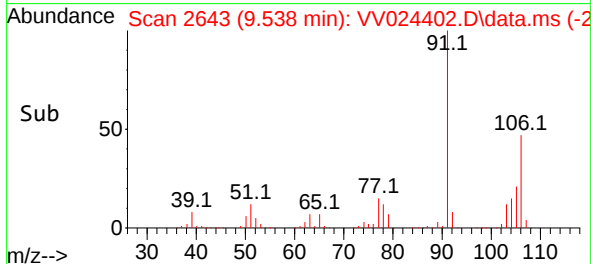
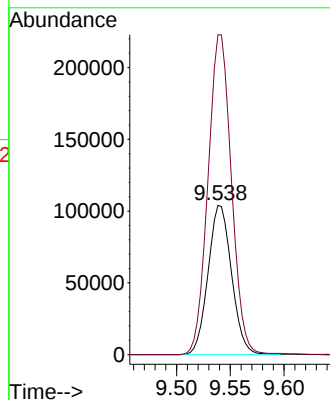
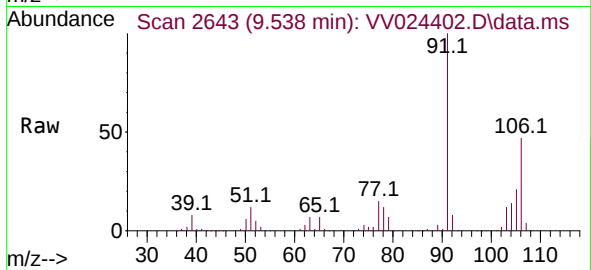




#54  
o-Xylene  
Concen: 53.090 ug/L  
RT: 9.538 min Scan# 2643  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

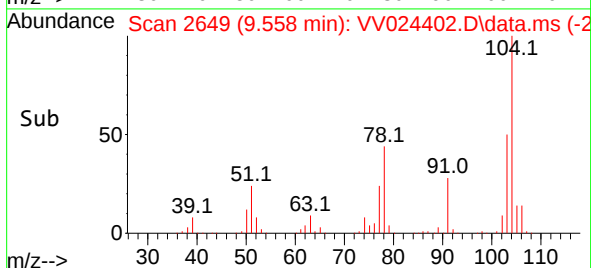
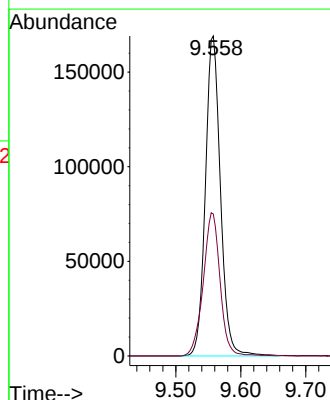
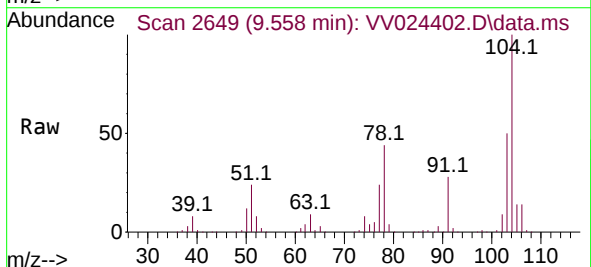
Instrument :  
MSVOA\_V  
ClientSampleId :

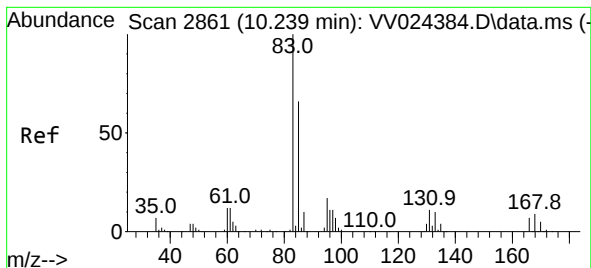
Tgt Ion:106 Resp: 158236  
Ion Ratio Lower Upper  
106 100  
91 214.2 150.9 280.3



#55  
Styrene  
Concen: 52.847 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:104 Resp: 273535  
Ion Ratio Lower Upper  
104 100  
78 44.4 31.5 58.5

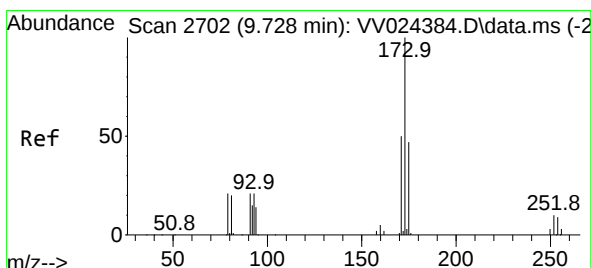
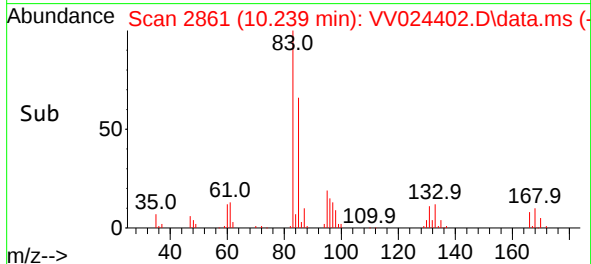
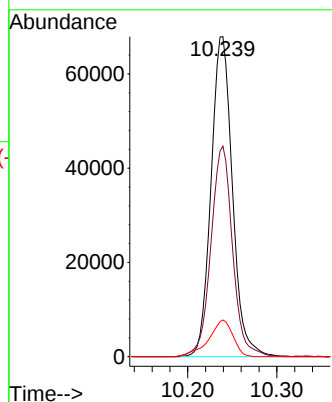
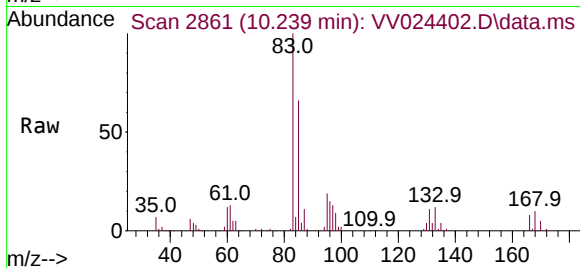




#57  
1,1,2,2-Tetrachloroethane  
Concen: 45.305 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

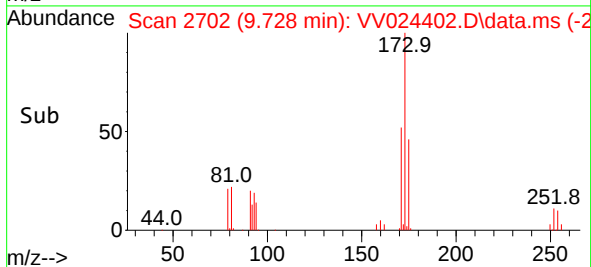
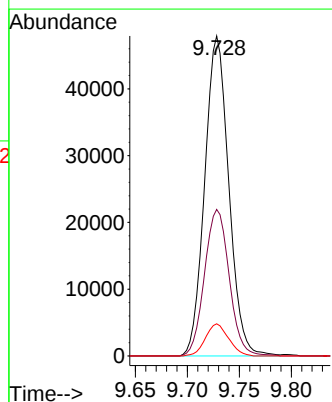
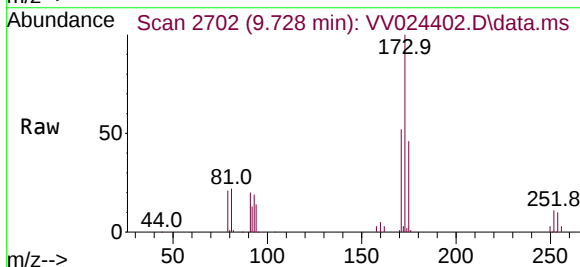
Instrument :  
MSVOA\_V  
ClientSampleId :

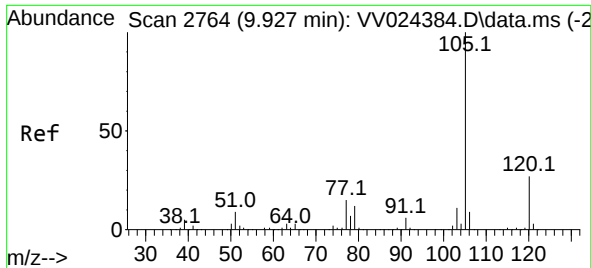
Tgt Ion: 83 Resp: 113308  
Ion Ratio Lower Upper  
83 100  
85 65.8 44.5 82.7  
131 11.5 9.2 13.8



#59  
Bromoform  
Concen: 47.022 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 173 Resp: 77265  
Ion Ratio Lower Upper  
173 100  
175 47.0 39.4 59.2  
254 9.7 7.8 11.6

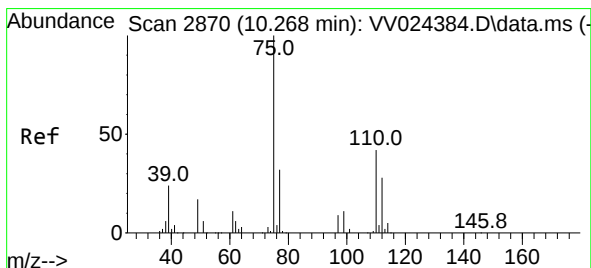
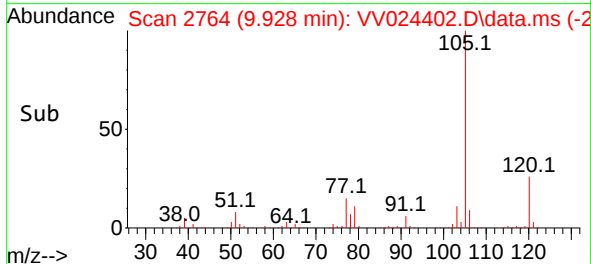
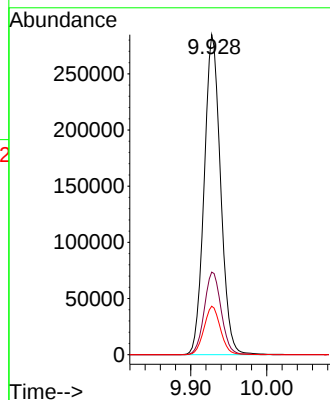
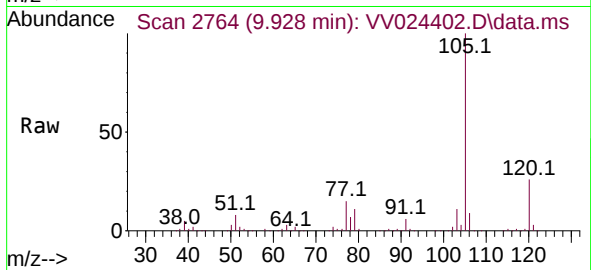




#60  
Isopropylbenzene  
Concen: 53.612 ug/L  
RT: 9.928 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

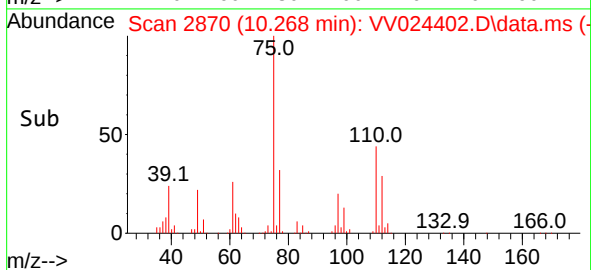
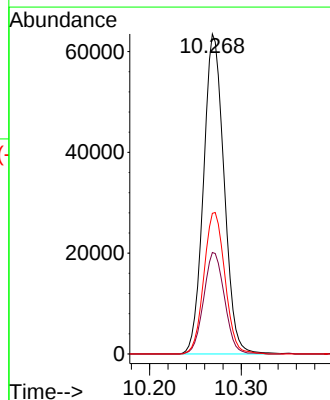
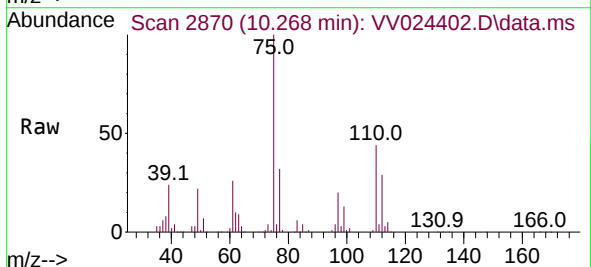
Instrument :  
MSVOA\_V  
ClientSampleId :

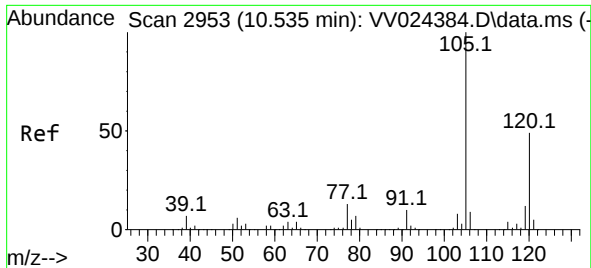
Tgt Ion:105 Resp: 427501  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.9 32.9  
77 15.2 11.9 17.9



#61  
1,2,3-Trichloropropane  
Concen: 46.746 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 75 Resp: 98915  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.9 40.3  
110 45.2 37.1 55.7

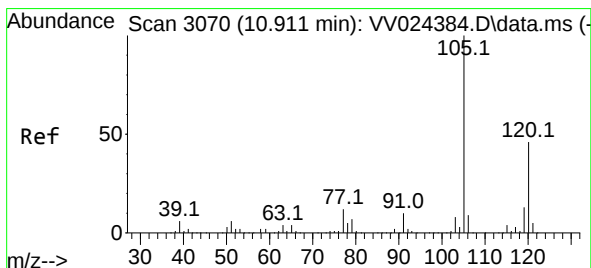
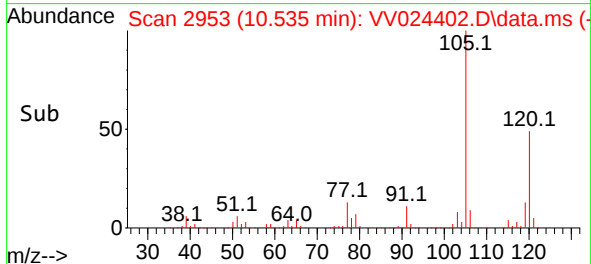
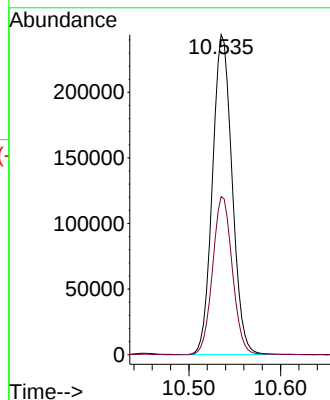
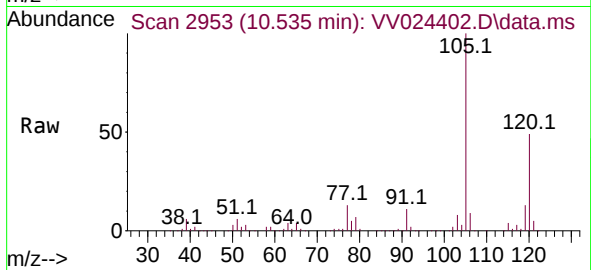




#62  
 1,3,5-Trimethylbenzene  
 Concen: 52.943 ug/L  
 RT: 10.535 min Scan# 2953  
 Delta R.T. 0.000 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

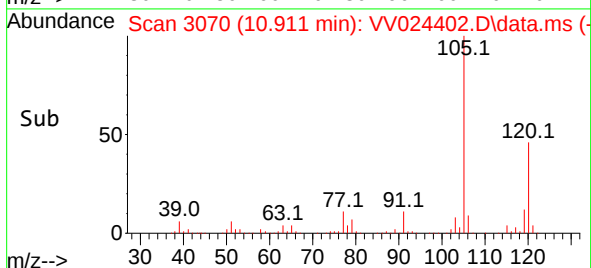
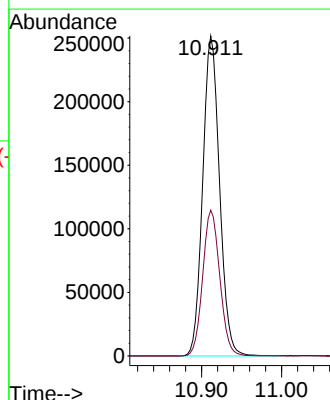
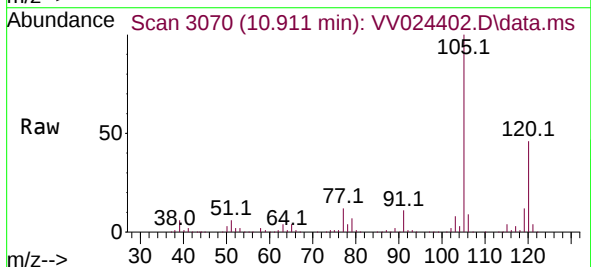
Instrument :  
 MSVOA\_V  
 ClientSampleId :

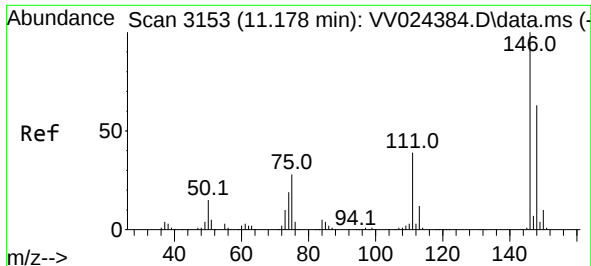
Tgt Ion:105 Resp: 363143  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 39.4 59.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 53.952 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. 0.000 min  
 Lab File: VV024402.D  
 Acq: 19 Jan 2022 09:47

Tgt Ion:105 Resp: 369450  
 Ion Ratio Lower Upper  
 105 100  
 120 46.2 36.6 55.0

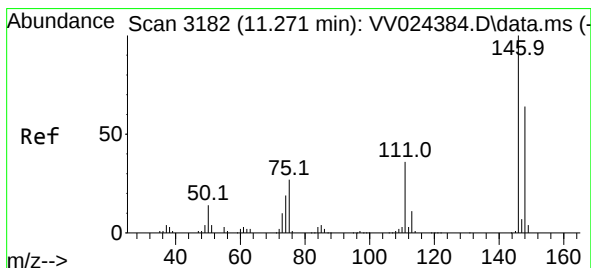
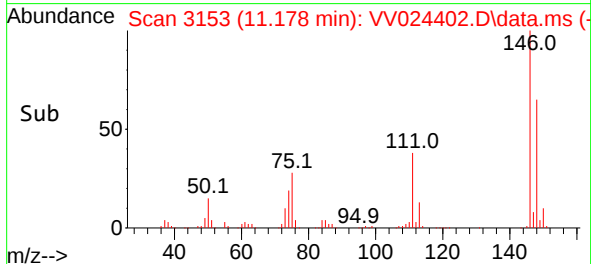
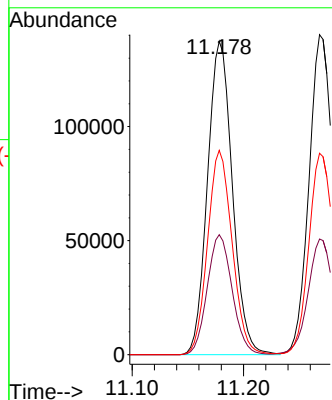
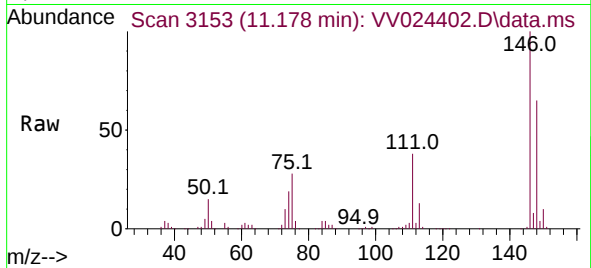




#64  
1,3-Dichlorobenzene  
Concen: 51.913 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

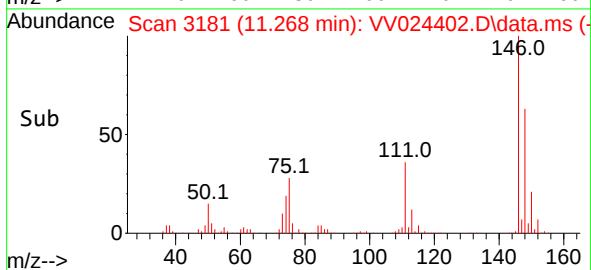
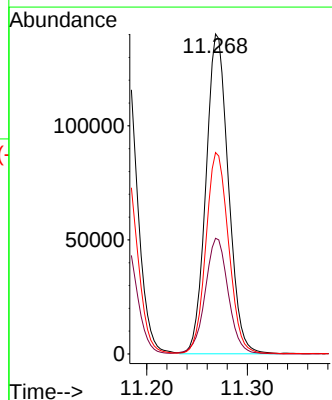
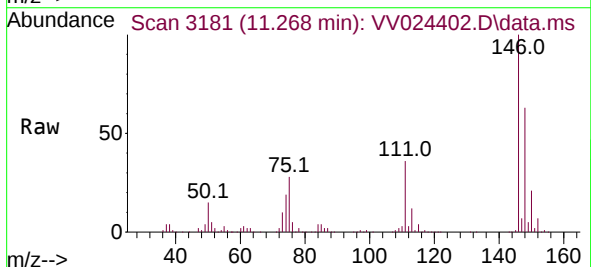
Instrument :  
MSVOA\_V  
ClientSampleId :

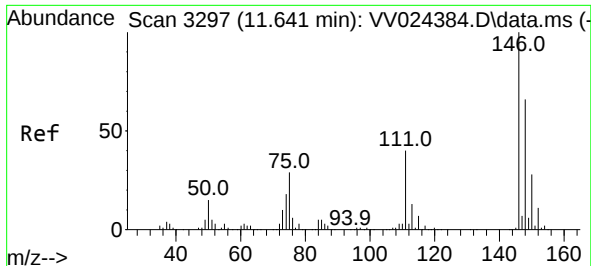
Tgt Ion:146 Resp: 213437  
Ion Ratio Lower Upper  
146 100  
111 38.3 26.5 49.3  
148 65.2 44.7 82.9



#65  
1,4-Dichlorobenzene  
Concen: 51.295 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:146 Resp: 217493  
Ion Ratio Lower Upper  
146 100  
111 36.2 26.5 49.3  
148 62.9 44.9 83.5

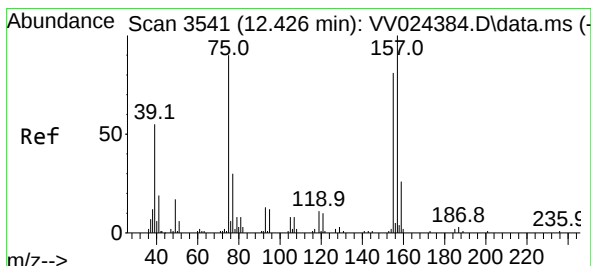
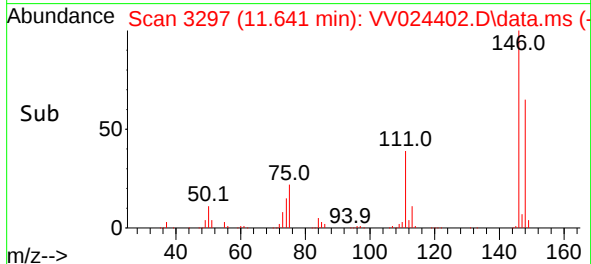
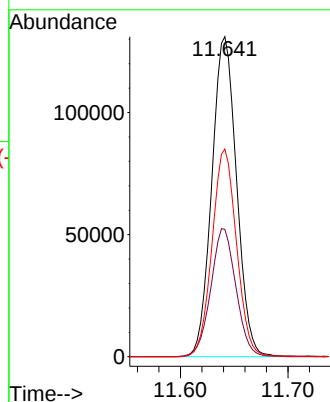
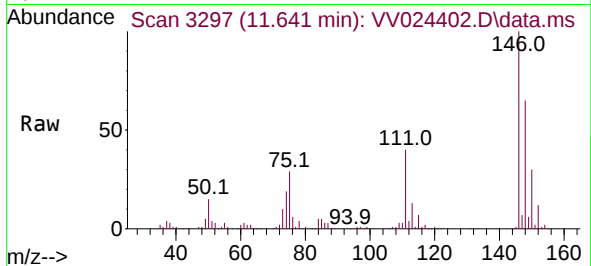




#67  
1,2-Dichlorobenzene  
Concen: 49.491 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

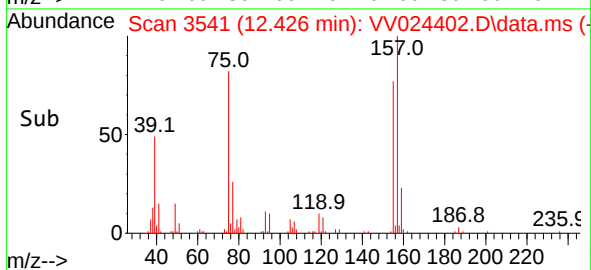
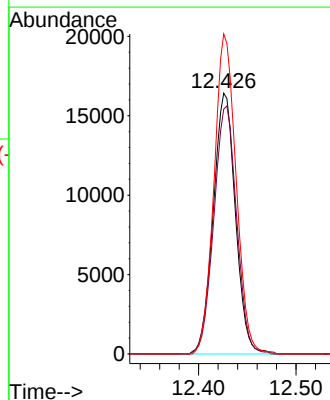
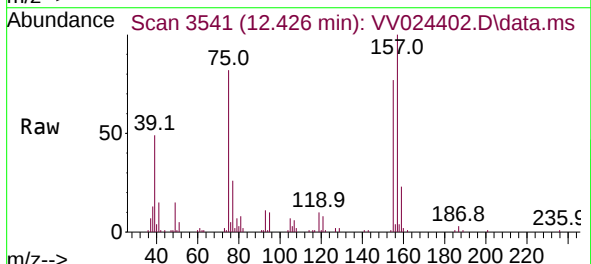
Instrument :  
MSVOA\_V  
ClientSampleId :

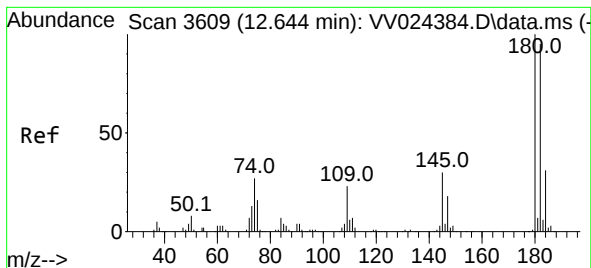
Tgt Ion:146 Resp: 209712  
Ion Ratio Lower Upper  
146 100  
111 39.8 32.0 48.0  
148 64.9 51.6 77.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 42.569 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion: 75 Resp: 25943  
Ion Ratio Lower Upper  
75 100  
155 93.9 73.2 109.8  
157 122.7 98.5 147.7





#69

1,3,5-Trichlorobenzene

Concen: 51.583 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

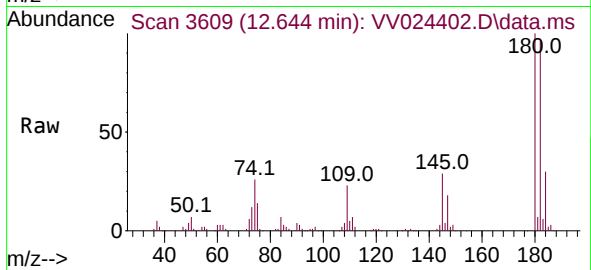
Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 163131

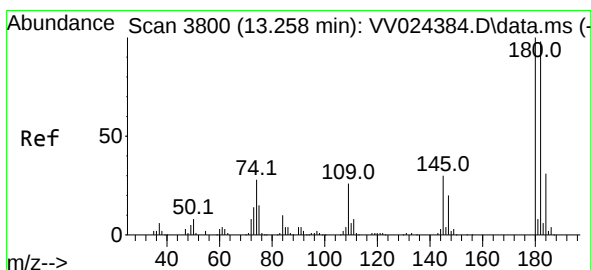
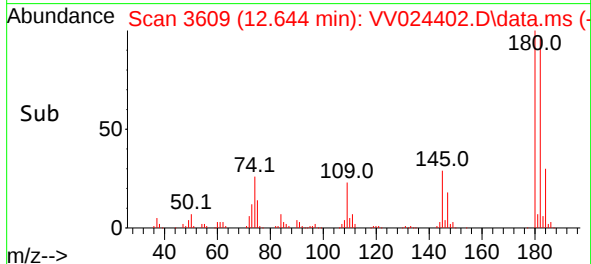
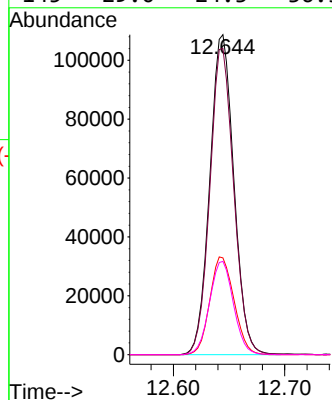
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

184 30.8 24.7 37.1

145 29.0 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 50.963 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV024402.D

Acq: 19 Jan 2022 09:47

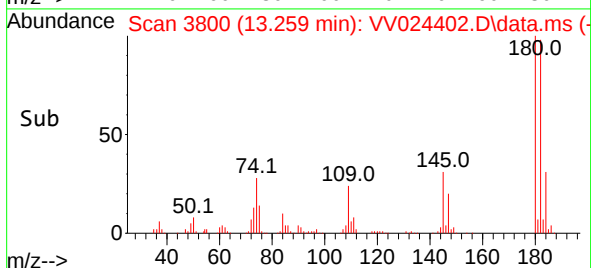
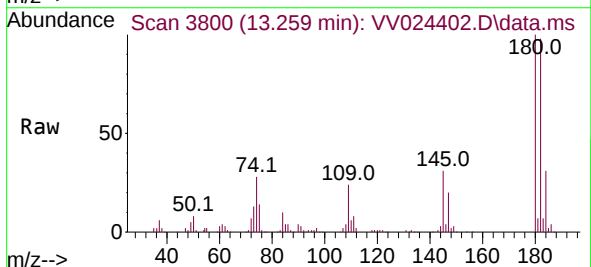
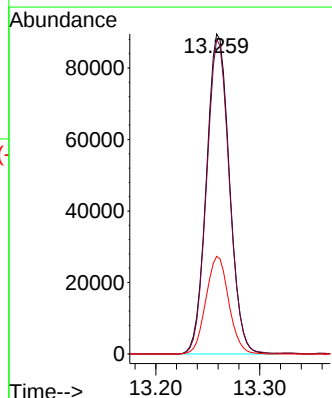
Tgt Ion:180 Resp: 137837

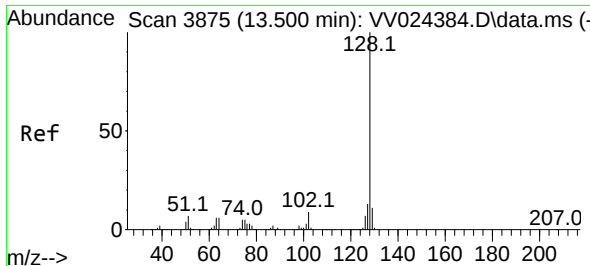
Ion Ratio Lower Upper

180 100

182 97.0 75.6 113.4

145 30.1 23.9 35.9

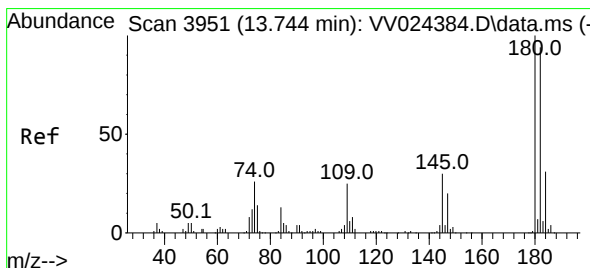
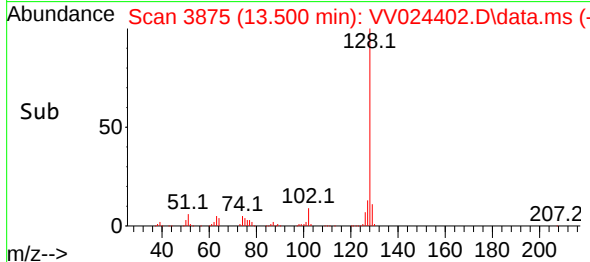
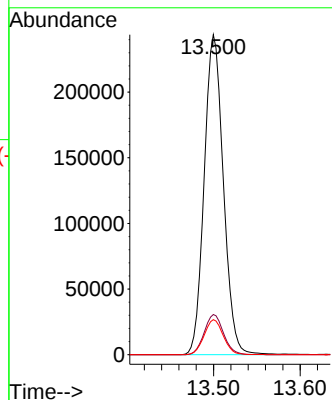
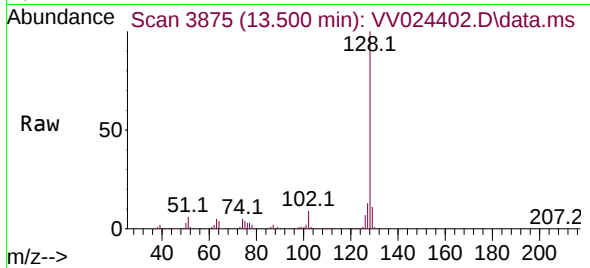




#71  
Naphthalene  
Concen: 47.982 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 375460  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 16.0  
129 10.9 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 49.127 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.003 min  
Lab File: VV024402.D  
Acq: 19 Jan 2022 09:47

Tgt Ion:180 Resp: 137326  
Ion Ratio Lower Upper  
180 100  
182 95.7 76.1 114.1  
145 31.9 25.0 37.4

