

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120722\  
 Data File : VU052192.D  
 Acq On : 07 Dec 2022 10:34  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

Quant Time: Dec 08 01:53:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 06 21:24:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 224280   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 219263   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 112625   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 99008    | 4.538    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 90.800%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 78367    | 4.625    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 92.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 36681    | 4.691    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 93.800%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 187678   | 47.461   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 94.920%  |
| 24) Chloroform-d              | 5.060  | 84    | 162000   | 5.054    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 101.000% |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 76667    | 4.735    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 94.800%  |
| 32) Benzene-d6                | 5.726  | 84    | 325029   | 4.993    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 99.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 101217   | 5.024    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 100.400% |
| 41) Toluene-d8                | 7.896  | 98    | 297341   | 5.049    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 101.000% |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 36498    | 4.972    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 99.400%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 150232   | 48.289   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 96.580%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 87431    | 5.006    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 100213   | 4.647    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 93.000%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 110689   | 5.690    | ug/L  | 100      |
| 3) Chloromethane              | 1.523  | 50    | 138347   | 5.450    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.604  | 62    | 138472   | 5.677    | ug/L  | 99       |
| 6) Bromomethane               | 1.858  | 94    | 64477    | 5.151    | ug/L  | 100      |
| 8) Chloroethane               | 1.935  | 64    | 81377    | 5.365    | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 2.138  | 101   | 157979   | 5.888    | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 96644    | 5.891    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 91749    | 5.639    | ug/L  | 89       |
| 13) Acetone                   | 2.658  | 43    | 152427   | 56.764   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.793  | 76    | 322011   | 5.717    | ug/L  | 98       |
| 15) Methyl Acetate            | 2.961  | 43    | 33530    | 4.814    | ug/L  | 94       |
| 16) Methylene chloride        | 3.047  | 84    | 111132   | 5.049    | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 3.363  | 73    | 182211   | 5.003    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 95224    | 5.460    | ug/L  | 95       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 174082   | 5.538    | ug/L  | 99       |
| 21) 2-Butanone                | 4.719  | 43    | 221479   | 51.460   | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 97217    | 5.311    | ug/L  | 98       |
| 23) Bromochloromethane        | 4.973  | 128   | 49817    | 5.689    | ug/L  | 96       |
| 25) Chloroform                | 5.086  | 83    | 177985   | 5.588    | ug/L  | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120722\  
 Data File : VU052192.D  
 Acq On : 07 Dec 2022 10:34  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

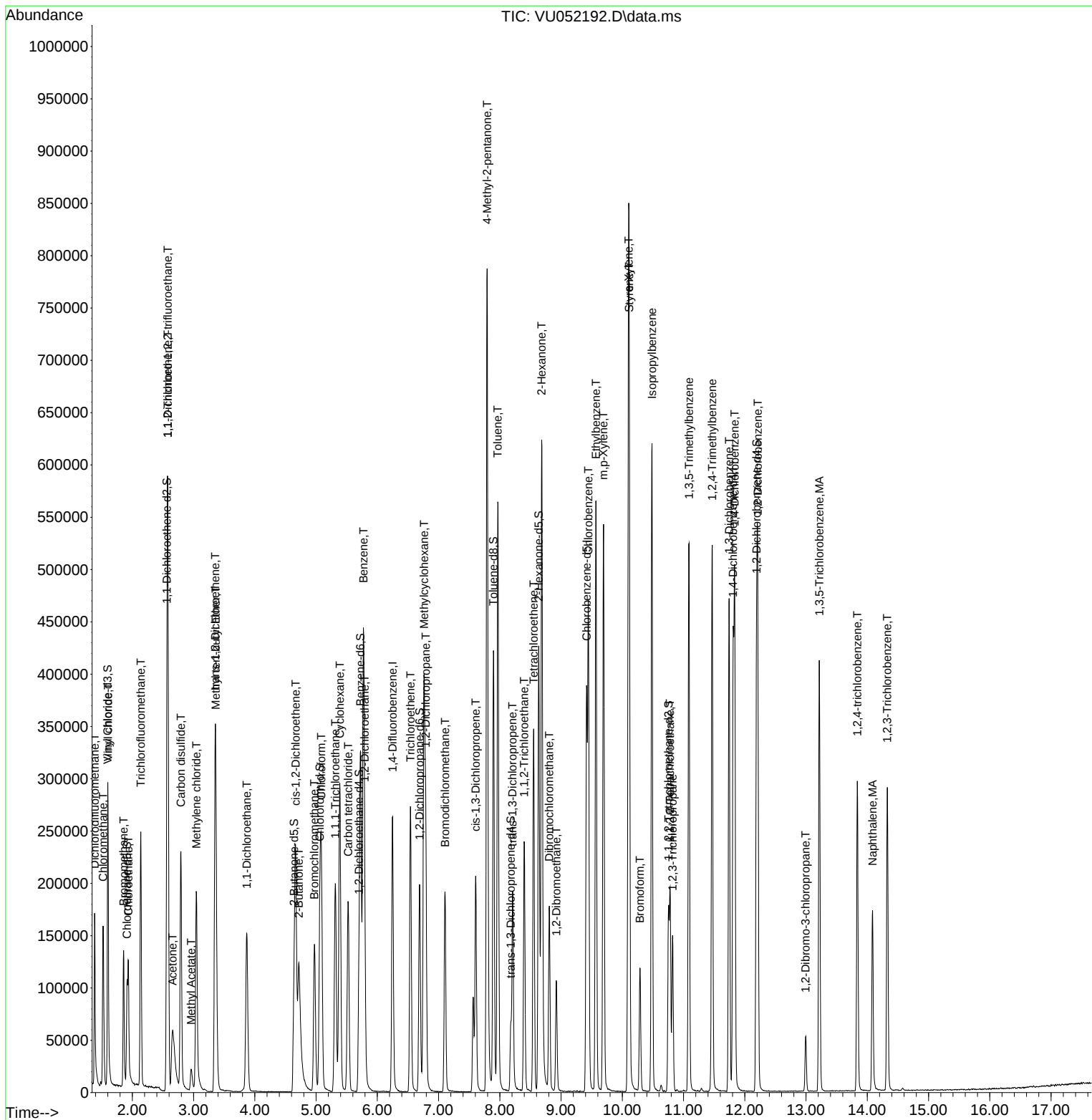
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

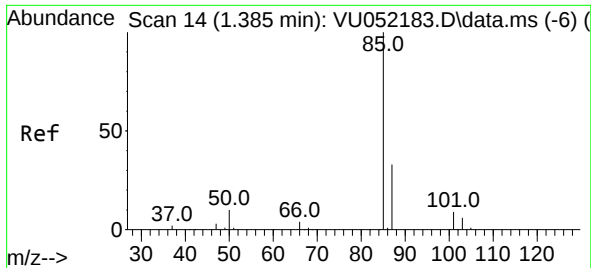
Quant Time: Dec 08 01:53:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Dec 06 21:24:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 104056   | 5.334  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 145645   | 5.987  | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 131528   | 5.568  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 128052   | 6.195  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 409030   | 5.732  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 97009    | 5.450  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.764  | 83   | 146116   | 5.707  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 105840   | 5.729  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 129031   | 5.728  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 128074   | 5.399  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 506955   | 52.529 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 431087   | 5.873  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 113627   | 5.594  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 76801    | 5.532  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 80639    | 5.912  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 388983   | 54.978 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 93762    | 6.030  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 71935    | 5.688  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 264574   | 5.654  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 396081   | 5.550  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 162811   | 5.892  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 154191   | 5.822  | ug/L  | 95       |
| 55) Styrene                   | 10.115 | 104  | 267219   | 5.974  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 99062    | 5.713  | ug/L  | 98       |
| 59) Bromoform                 | 10.288 | 173  | 56168    | 6.055  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 392512   | 5.548  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 66331    | 5.146  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 289669   | 5.122  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 292428   | 5.209  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 202098   | 5.595  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 196408   | 5.452  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 191327   | 5.500  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 14909    | 5.285  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 134454   | 5.249  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 99970    | 5.125  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 151705   | 4.143  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 95847    | 4.995  | ug/L  | 99       |

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

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QLast Update : Tue Dec 06 21:24:57 2022  
Response via : Initial Calibration

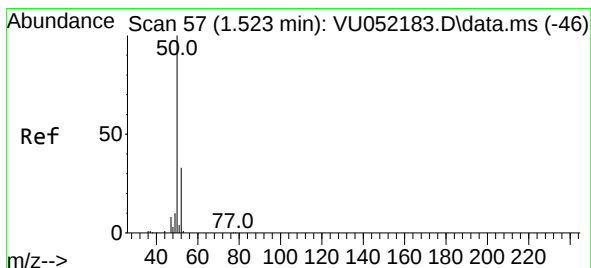
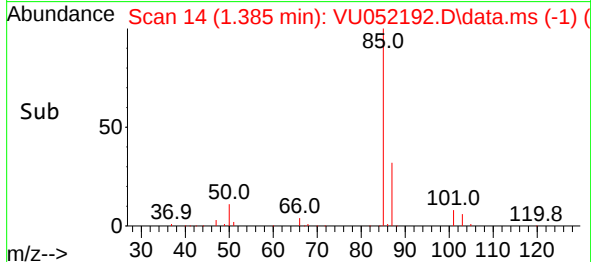
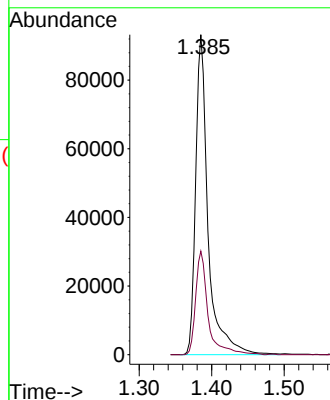
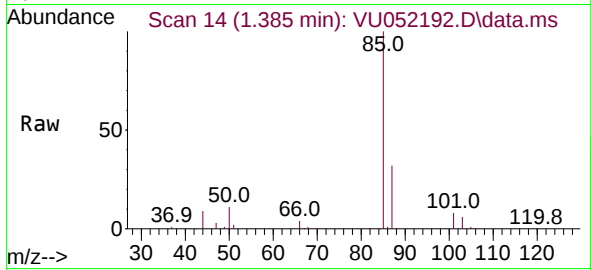




#2  
Dichlorodifluoromethane  
Concen: 5.690 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

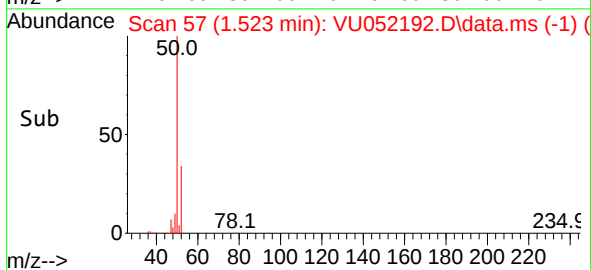
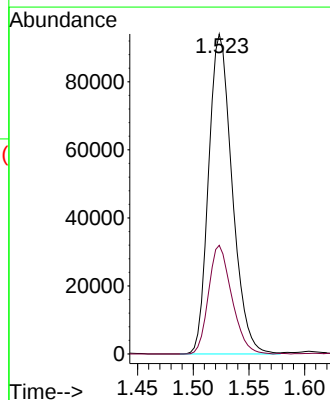
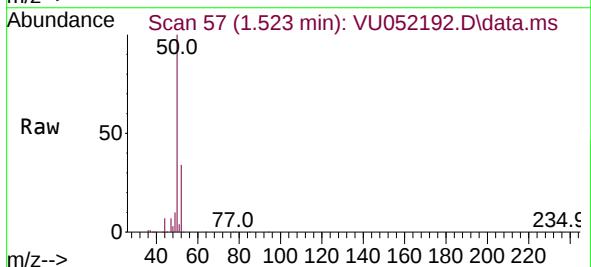
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

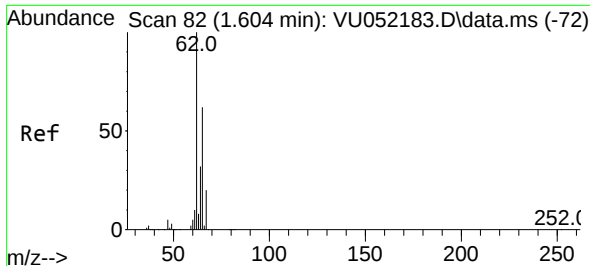
Tgt Ion: 85 Resp: 110689  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.8 38.8



#3  
Chloromethane  
Concen: 5.450 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 50 Resp: 138347  
Ion Ratio Lower Upper  
50 100  
52 34.0 23.4 43.4

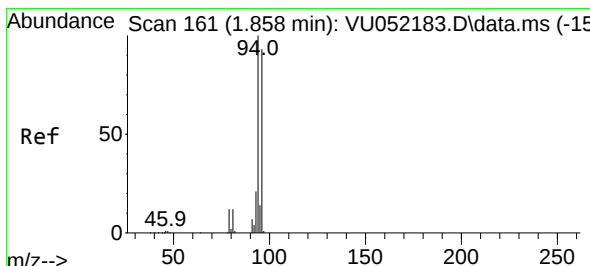
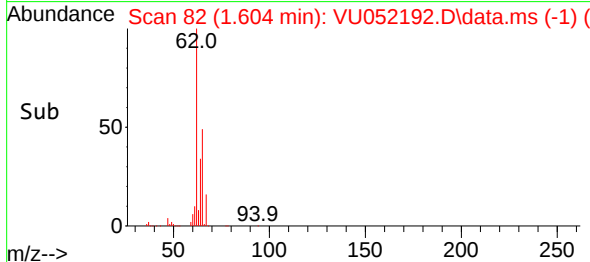
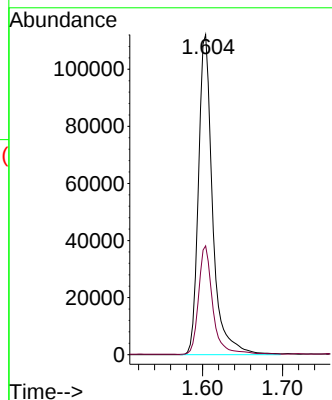
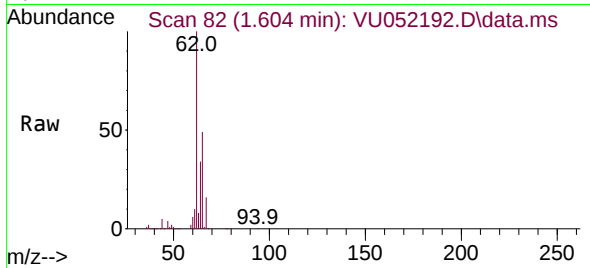




#5  
 Vinyl chloride  
 Concen: 5.677 ug/L  
 RT: 1.604 min Scan# 82  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

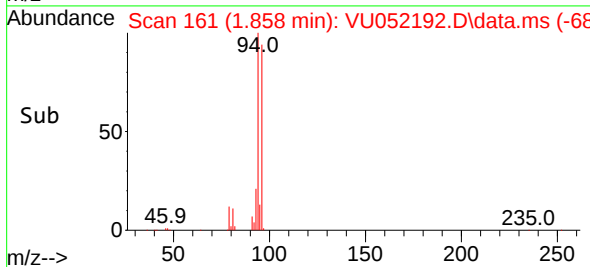
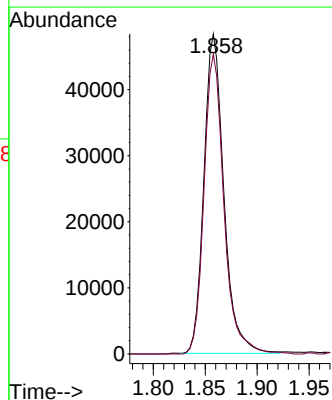
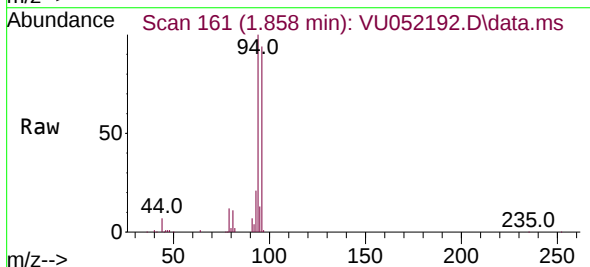
Instrument :  
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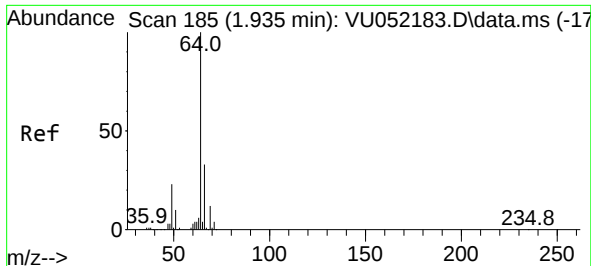
Tgt Ion: 62 Resp: 138472  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 23.5 43.7



#6  
 Bromomethane  
 Concen: 5.151 ug/L  
 RT: 1.858 min Scan# 161  
 Delta R.T. 0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Tgt Ion: 94 Resp: 64477  
 Ion Ratio Lower Upper  
 94 100  
 96 93.6 65.7 122.1

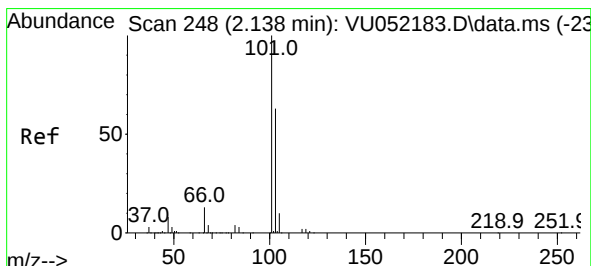
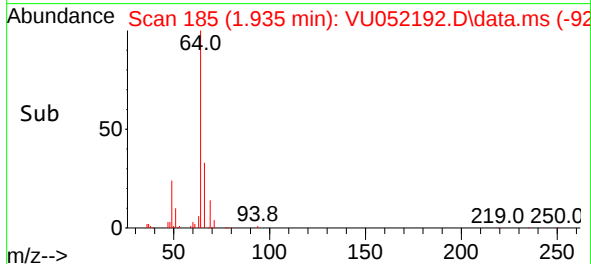
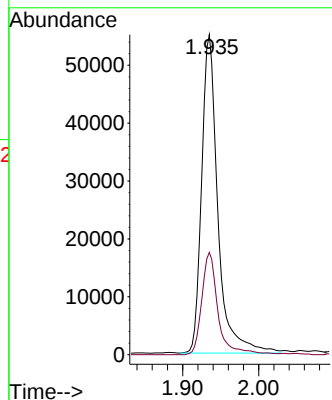
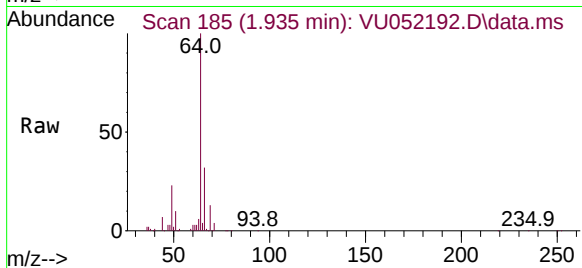




#8  
Chloroethane  
Concen: 5.365 ug/L  
RT: 1.935 min Scan# 185  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

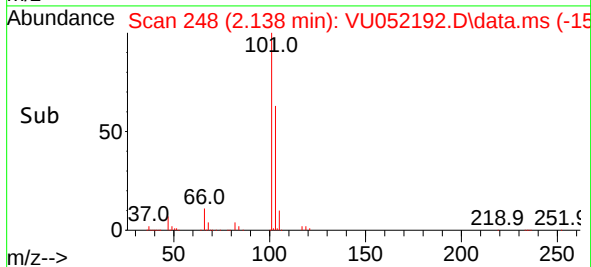
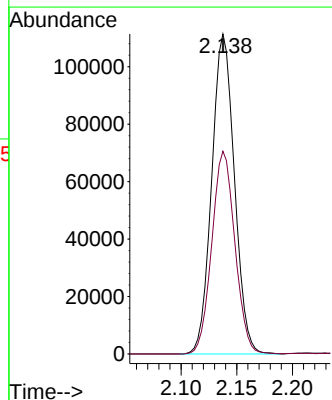
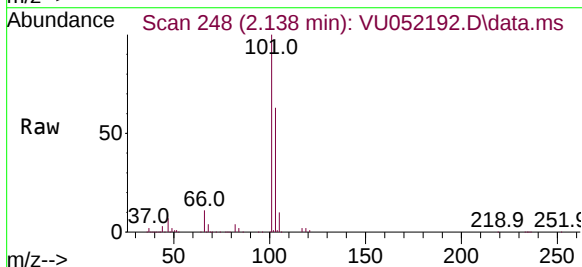
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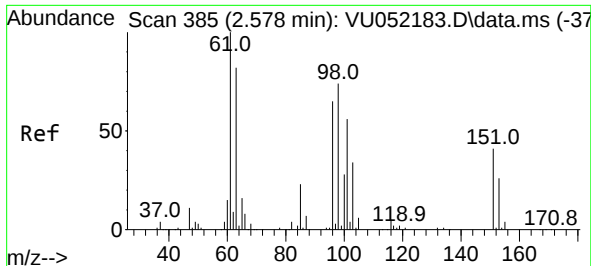
Tgt Ion: 64 Resp: 81377  
Ion Ratio Lower Upper  
64 100  
66 31.9 21.1 39.1



#9  
Trichlorofluoromethane  
Concen: 5.888 ug/L  
RT: 2.138 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 101 Resp: 157979  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.6 77.4

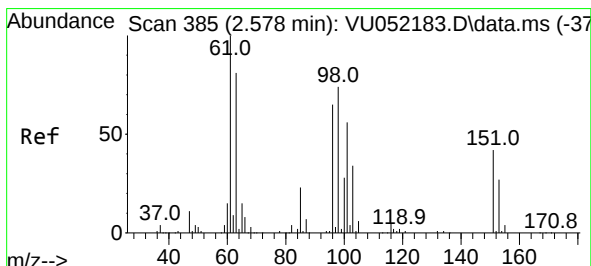
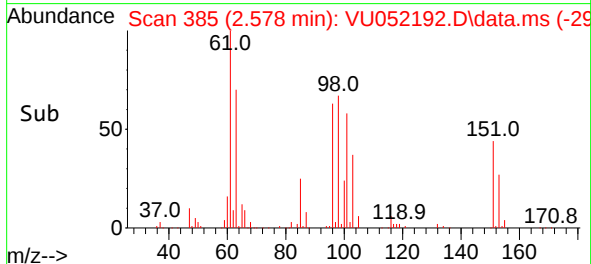
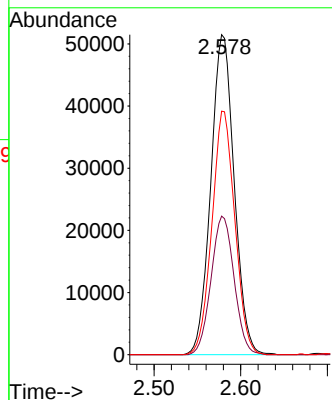
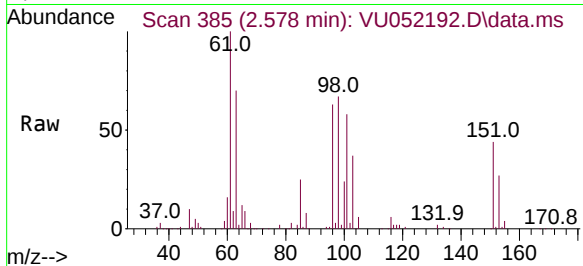




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.891 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

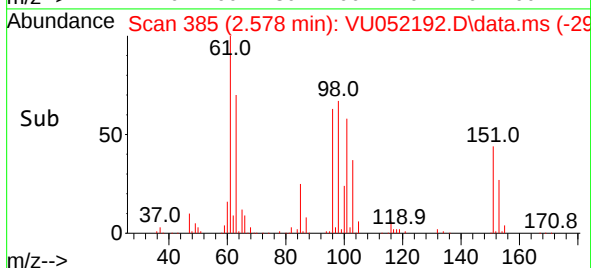
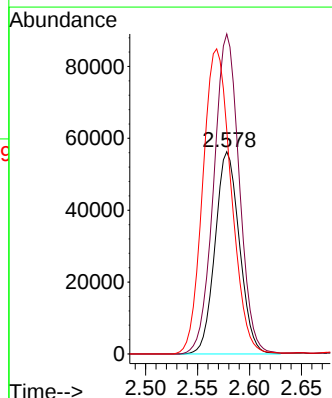
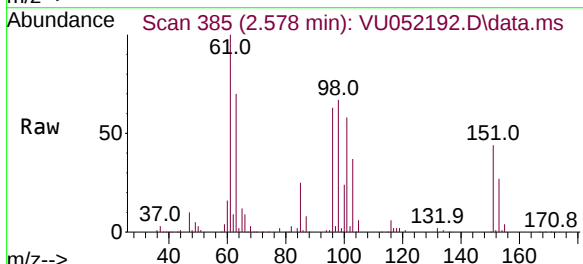
Instrument :  
 MSVOA\_U  
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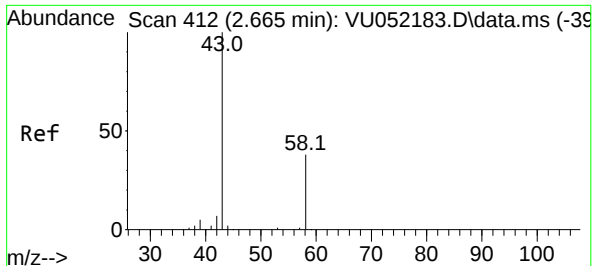
Tgt Ion:101 Resp: 96644  
 Ion Ratio Lower Upper  
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 85 42.5 33.8 50.6  
 151 74.6 58.6 88.0



#12  
 1,1-Dichloroethene  
 Concen: 5.639 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Tgt Ion: 96 Resp: 91749  
 Ion Ratio Lower Upper  
 96 100  
 61 158.2 114.8 213.2  
 63 110.7 93.7 174.1





#13

Acetone

Concen: 56.764 ug/L

RT: 2.658 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

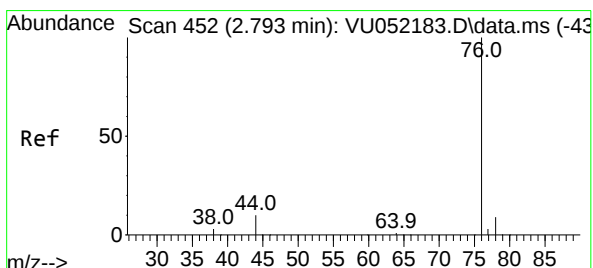
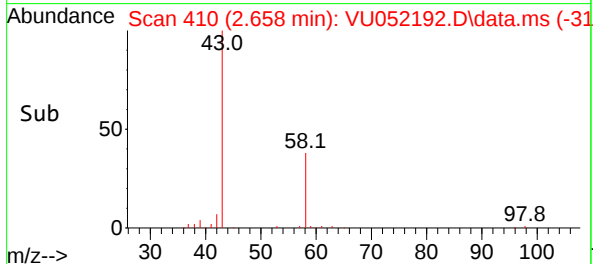
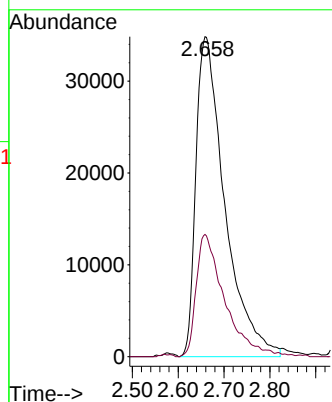
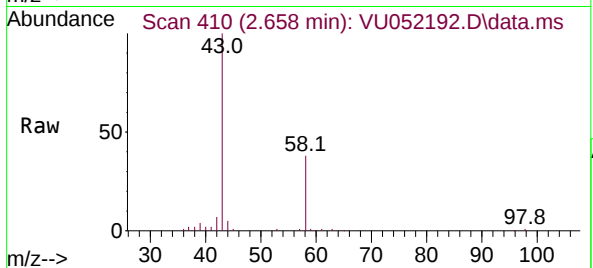
VSTD005094

Tgt Ion: 43 Resp: 152427

Ion Ratio Lower Upper

43 100

58 37.2 0.0 76.0



#14

Carbon disulfide

Concen: 5.717 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052192.D

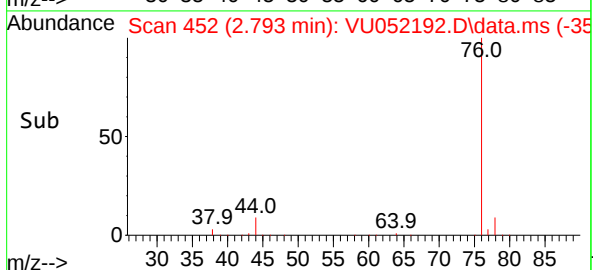
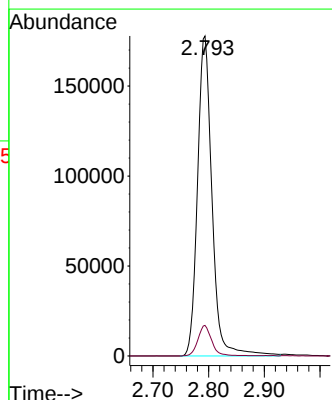
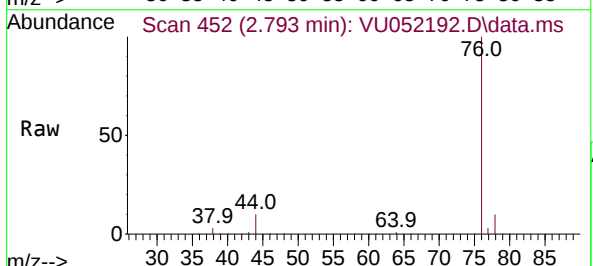
Acq: 07 Dec 2022 10:34

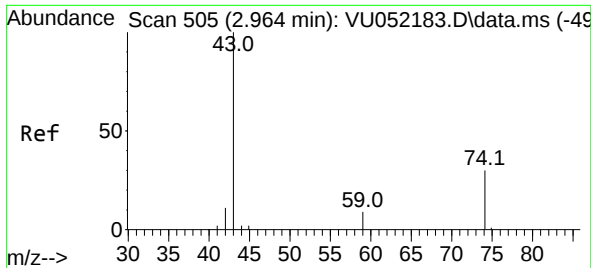
Tgt Ion: 76 Resp: 322011

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

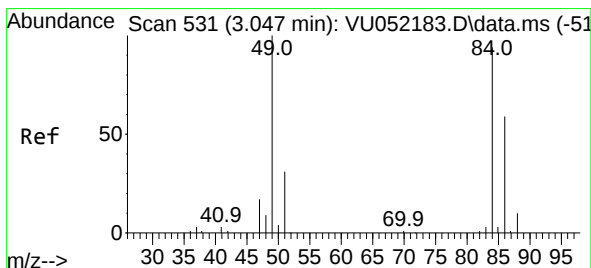
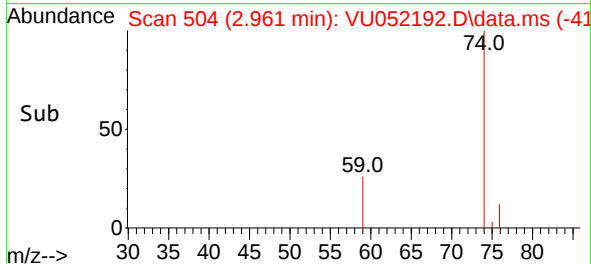
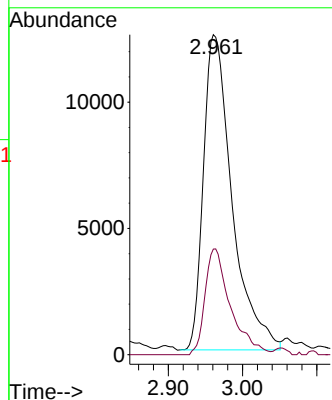
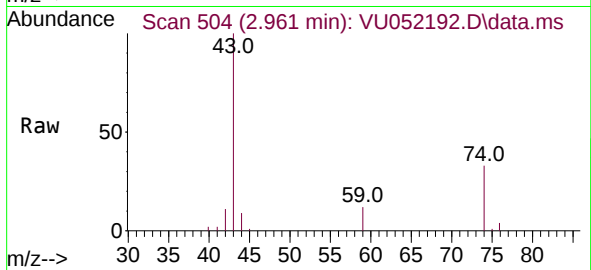




#15  
Methyl Acetate  
Concen: 4.814 ug/L  
RT: 2.961 min Scan# 504  
Delta R.T. -0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

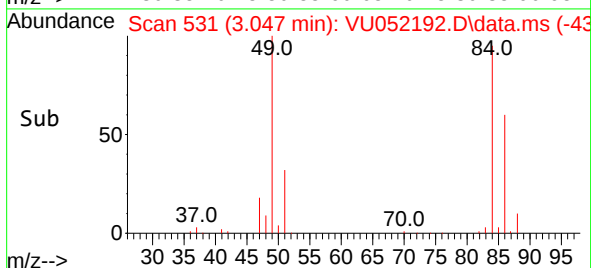
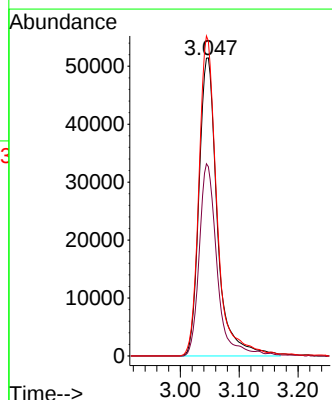
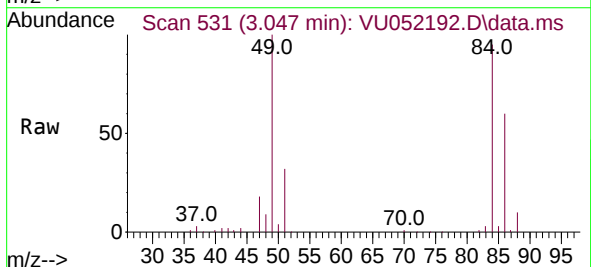
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

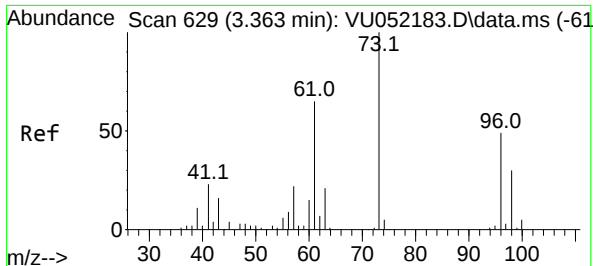
Tgt Ion: 43 Resp: 33530  
Ion Ratio Lower Upper  
43 100  
74 29.7 21.3 31.9



#16  
Methylene chloride  
Concen: 5.049 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 84 Resp: 111132  
Ion Ratio Lower Upper  
84 100  
86 63.5 43.8 81.4  
49 105.6 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 5.003 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005094

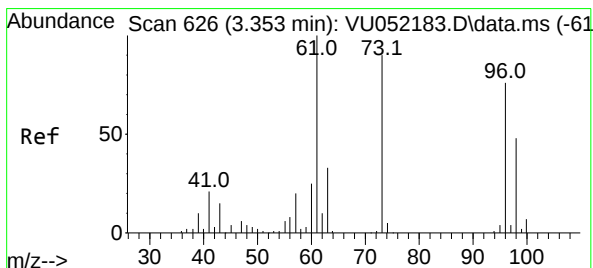
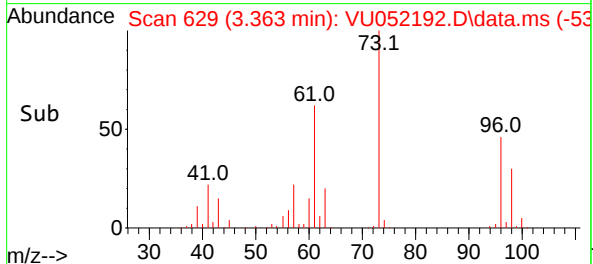
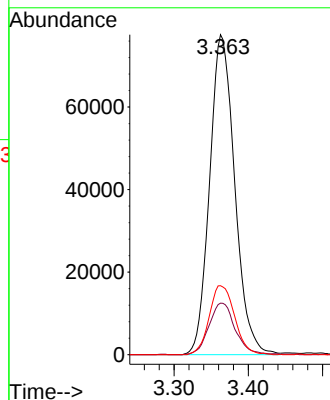
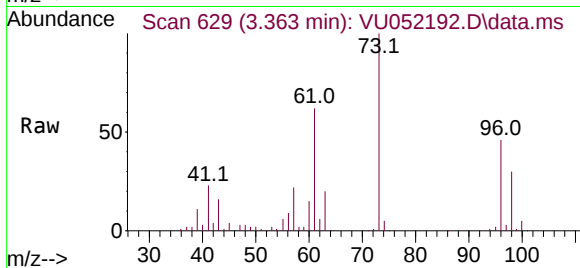
Tgt Ion: 73 Resp: 182211

Ion Ratio Lower Upper

73 100

43 16.9 13.2 19.8

57 21.9 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.460 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

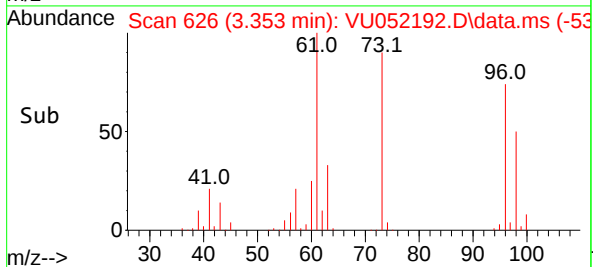
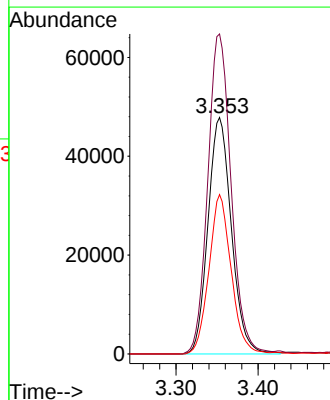
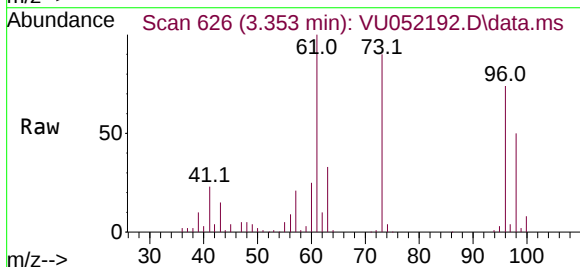
Tgt Ion: 96 Resp: 95224

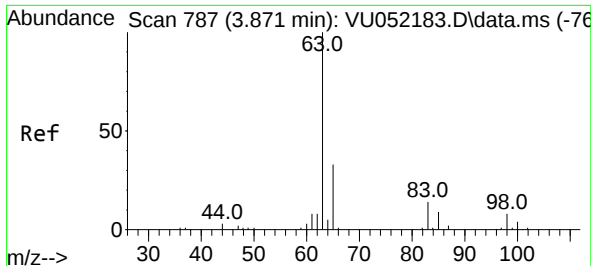
Ion Ratio Lower Upper

96 100

61 135.3 97.9 181.7

98 67.4 43.8 81.3





#19

1,1-Dichloroethane

Concen: 5.538 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.003 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005094

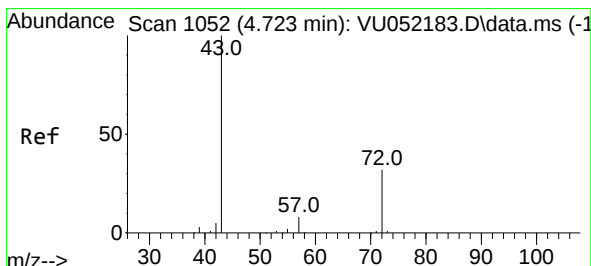
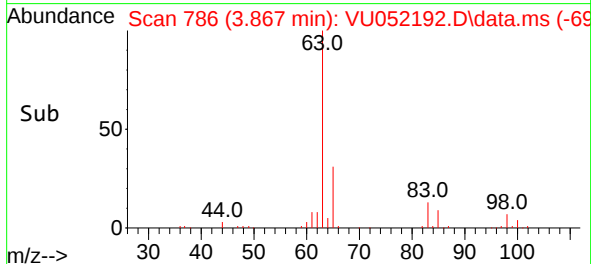
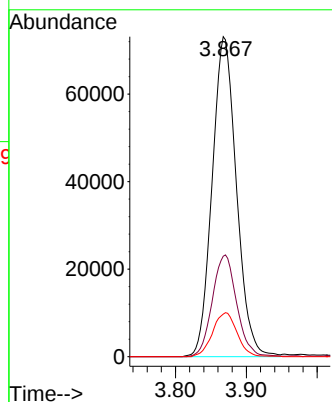
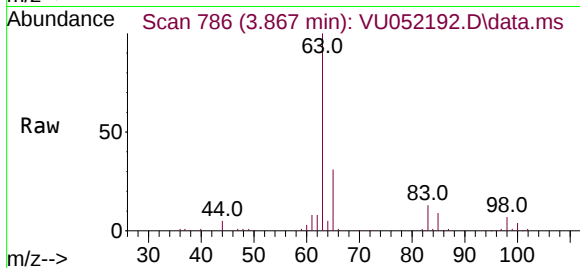
Tgt Ion: 63 Resp: 174082

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

83 13.3 9.2 17.0



#21

2-Butanone

Concen: 51.460 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU052192.D

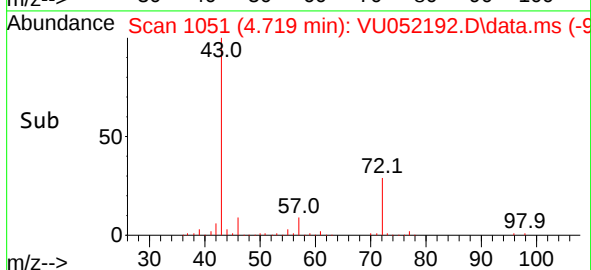
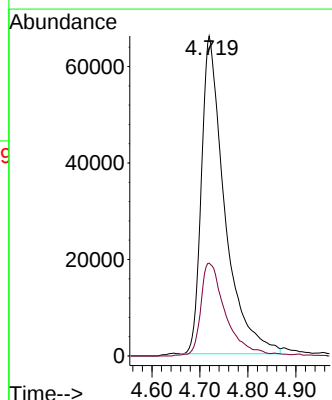
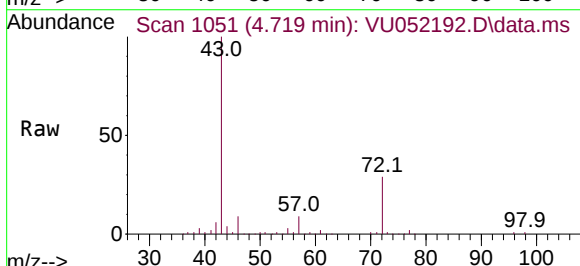
Acq: 07 Dec 2022 10:34

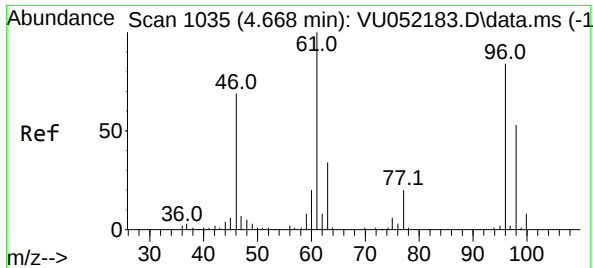
Tgt Ion: 43 Resp: 221479

Ion Ratio Lower Upper

43 100

72 31.1 15.6 46.8

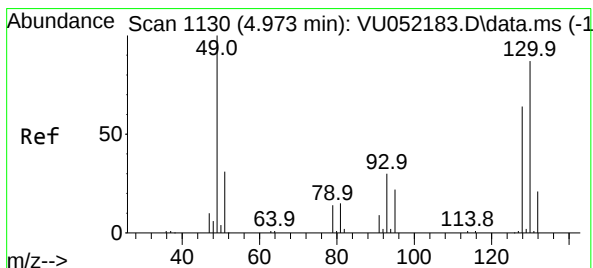
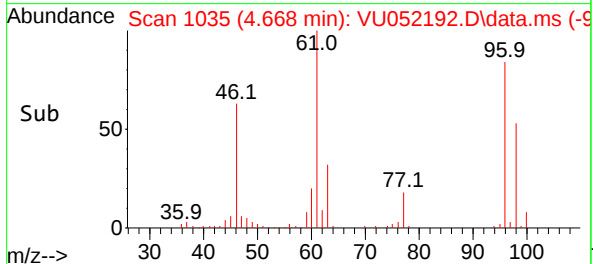
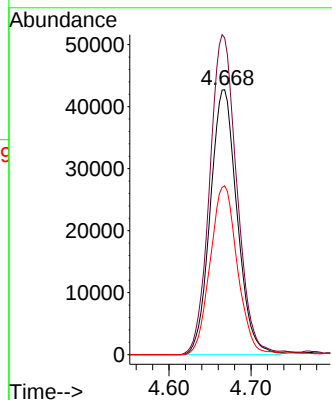
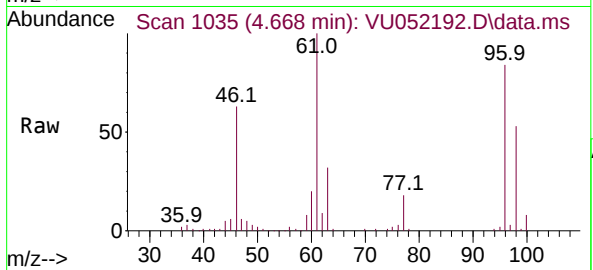




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.311 ug/L  
 RT: 4.668 min Scan# 1035  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

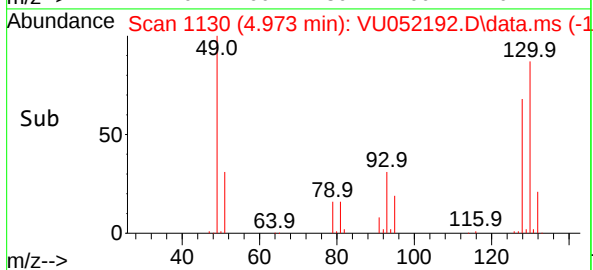
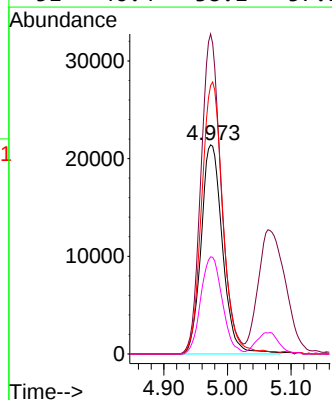
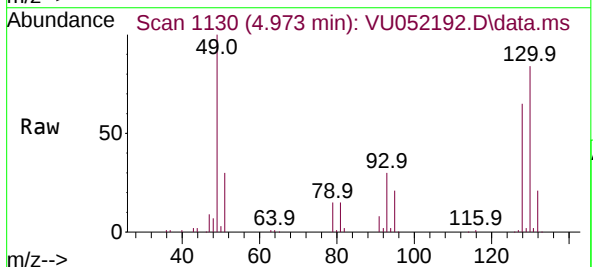
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

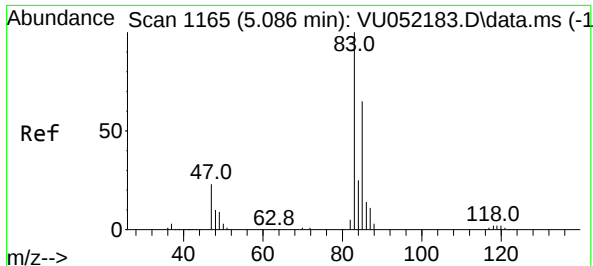
Tgt Ion: 96 Resp: 97217  
 Ion Ratio Lower Upper  
 96 100  
 61 119.5 85.1 158.1  
 98 63.7 42.8 79.6



#23  
 Bromochloromethane  
 Concen: 5.689 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Tgt Ion: 128 Resp: 49817  
 Ion Ratio Lower Upper  
 128 100  
 49 153.0 104.0 193.2  
 130 128.3 84.6 157.2  
 51 46.4 38.1 57.1





#25

Chloroform

Concen: 5.588 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

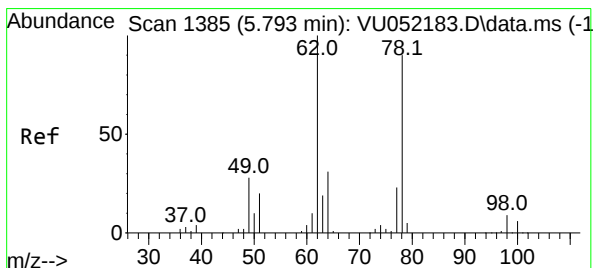
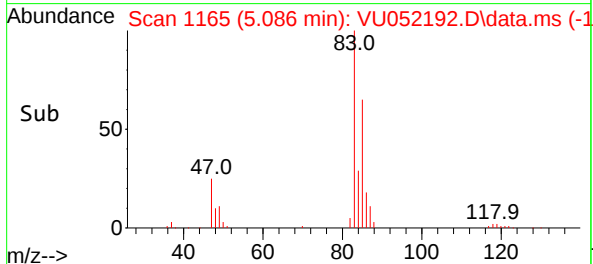
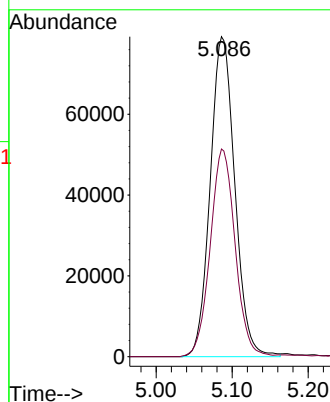
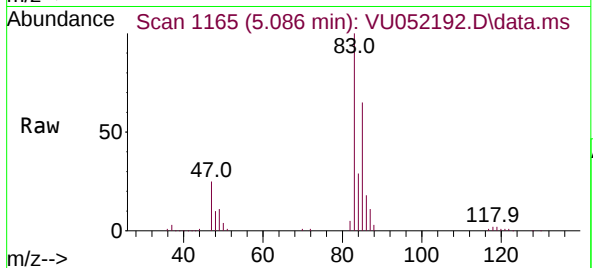
VSTD005094

Tgt Ion: 83 Resp: 177985

Ion Ratio Lower Upper

83 100

85 64.9 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.334 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU052192.D

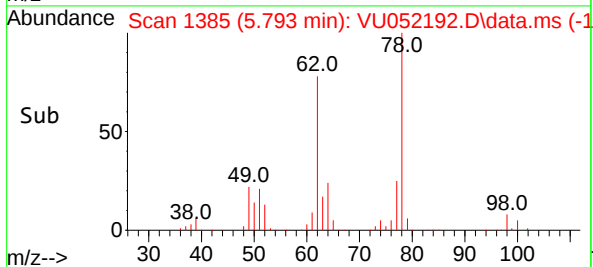
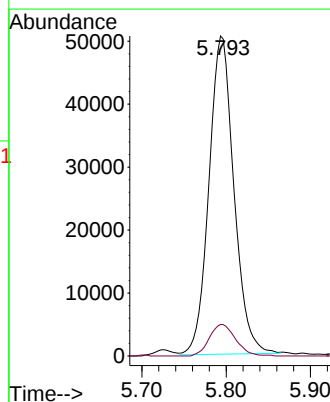
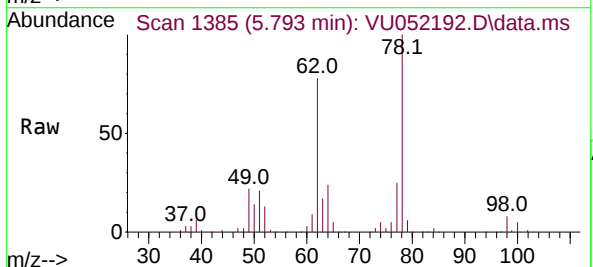
Acq: 07 Dec 2022 10:34

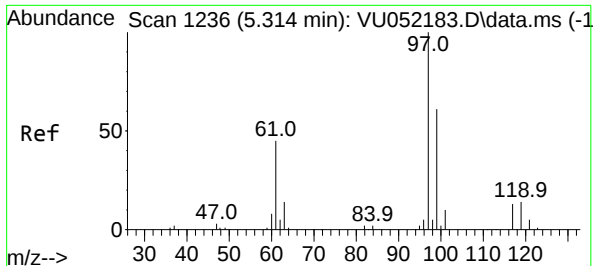
Tgt Ion: 62 Resp: 104056

Ion Ratio Lower Upper

62 100

98 9.9 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.987 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005094

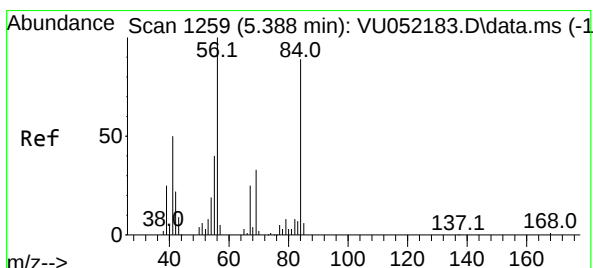
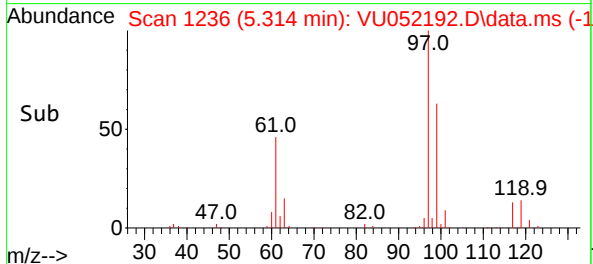
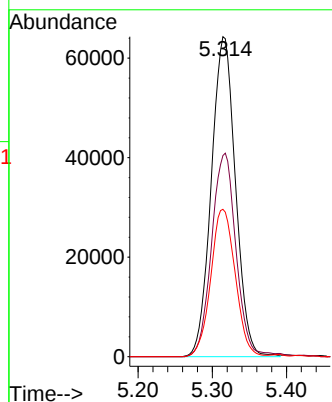
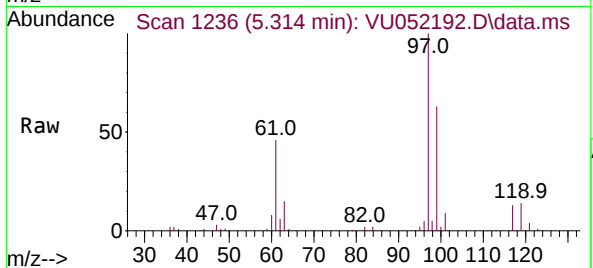
Tgt Ion: 97 Resp: 145645

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 46.6 36.9 55.3



#30

Cyclohexane

Concen: 5.568 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

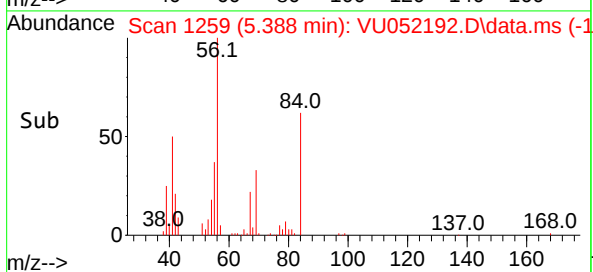
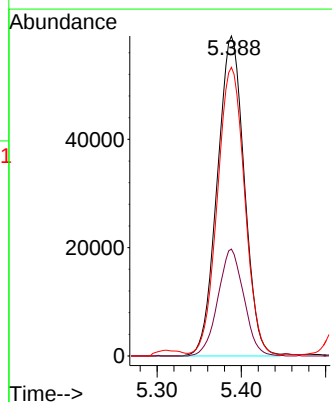
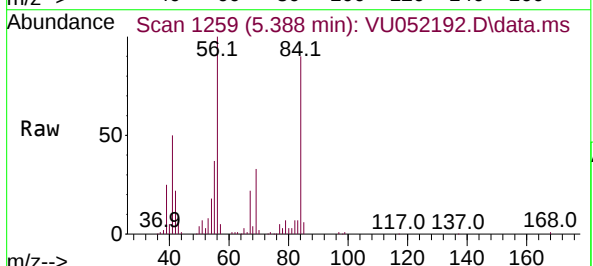
Tgt Ion: 56 Resp: 131528

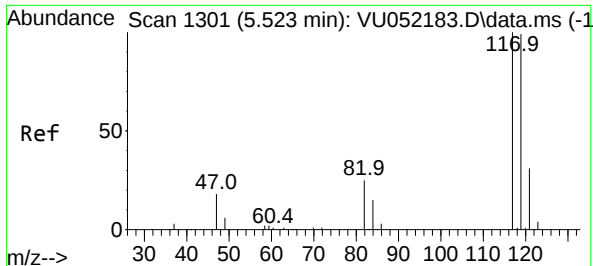
Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

84 90.5 72.0 108.0

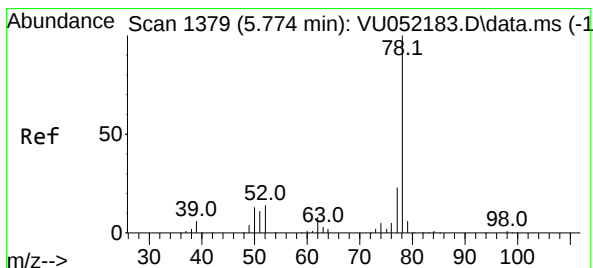
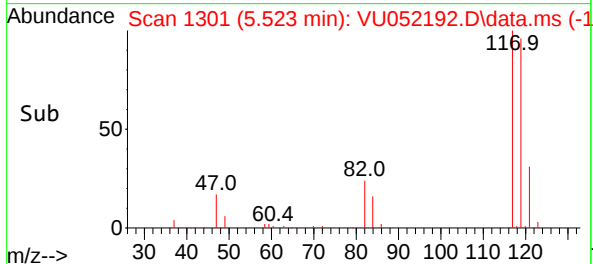
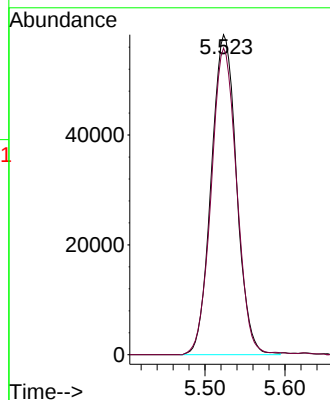
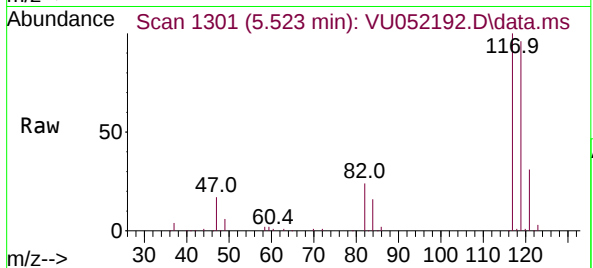




#31  
Carbon tetrachloride  
Concen: 6.195 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

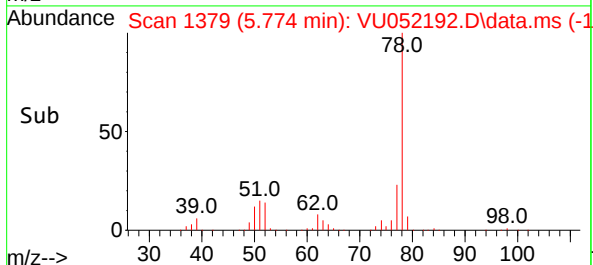
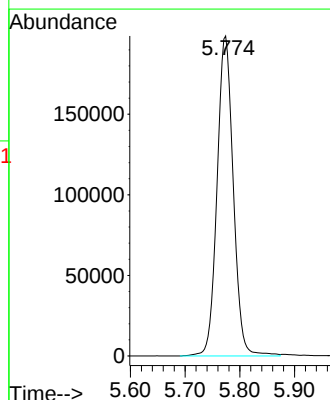
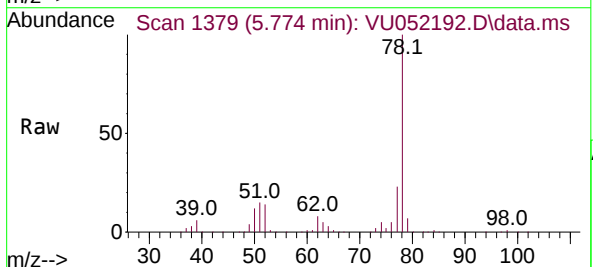
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

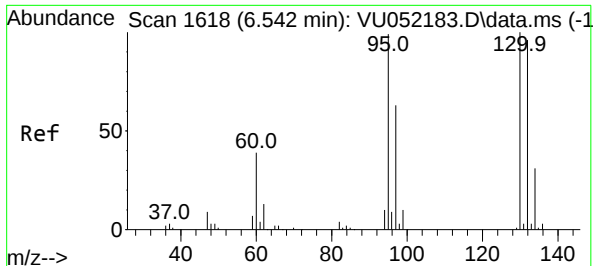
Tgt Ion:117 Resp: 128052  
Ion Ratio Lower Upper  
117 100  
119 96.2 77.2 115.8



#33  
Benzene  
Concen: 5.732 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 78 Resp: 409030

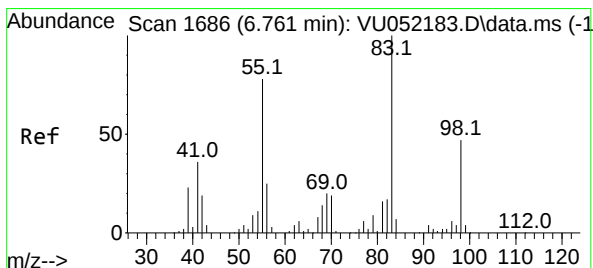
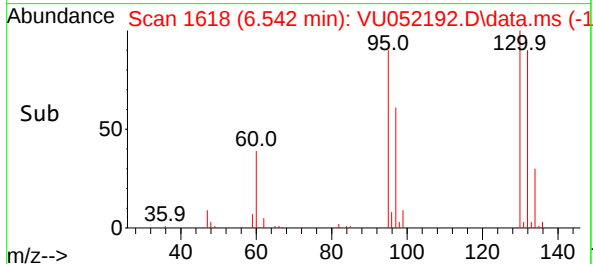
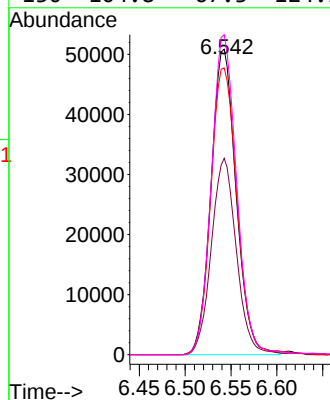
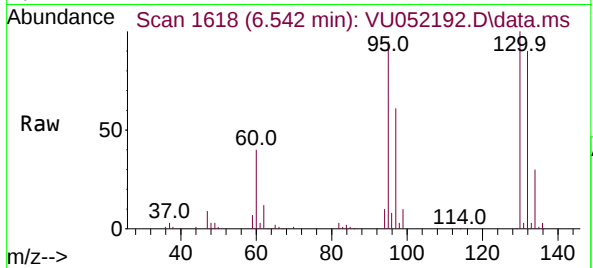




#34  
Trichloroethene  
Concen: 5.450 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

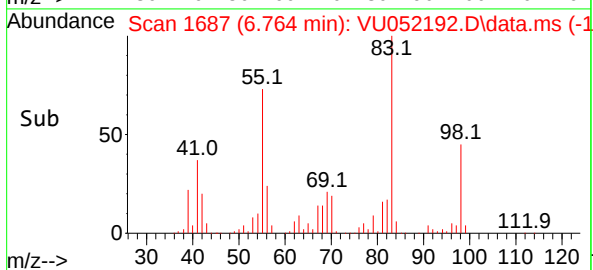
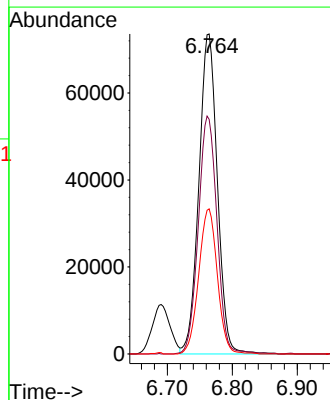
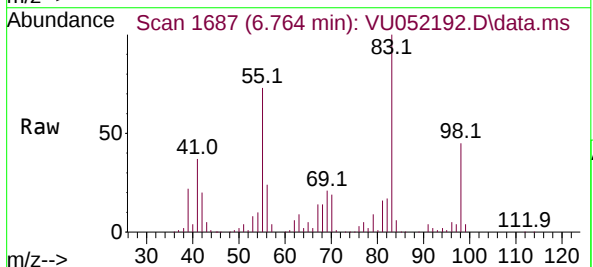
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

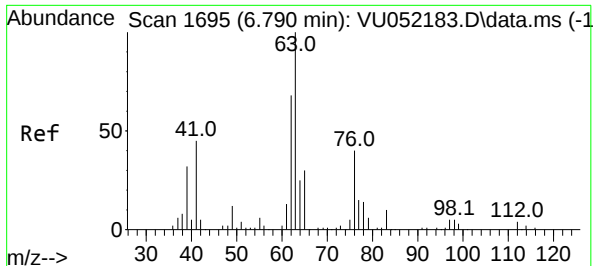
Tgt Ion: 95 Resp: 97009  
Ion Ratio Lower Upper  
95 100  
97 64.3 43.7 81.1  
132 93.9 64.3 119.3  
130 104.8 67.3 124.9



#35  
Methylcyclohexane  
Concen: 5.707 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 83 Resp: 146116  
Ion Ratio Lower Upper  
83 100  
55 75.1 60.8 91.2  
98 45.7 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.729 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

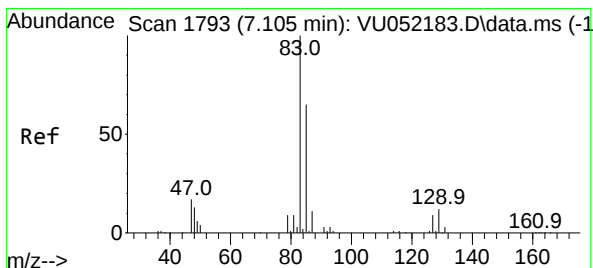
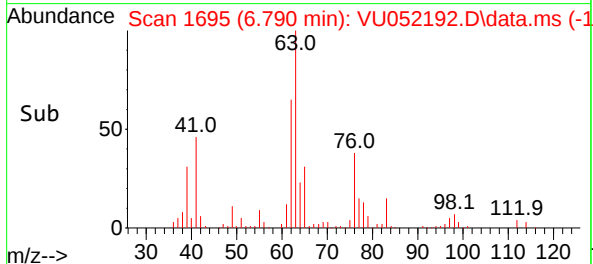
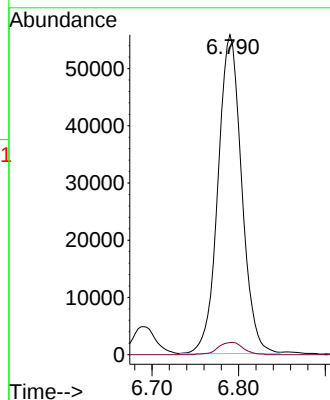
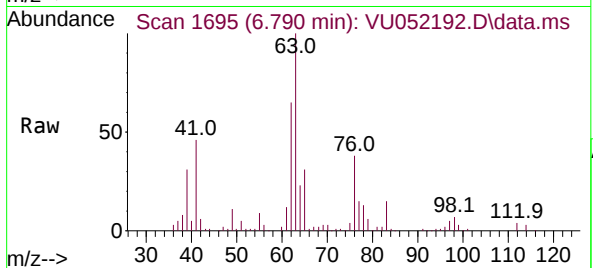
VSTD005094

Tgt Ion: 63 Resp: 105840

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 5.728 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

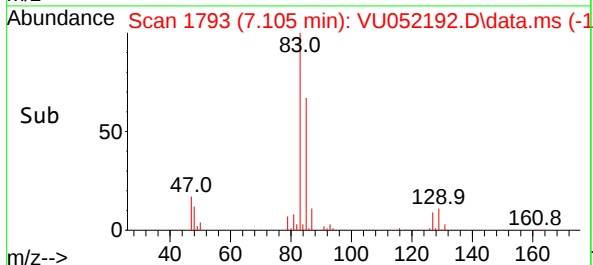
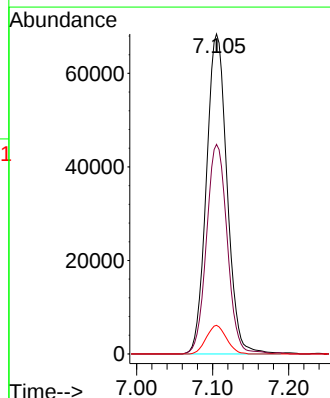
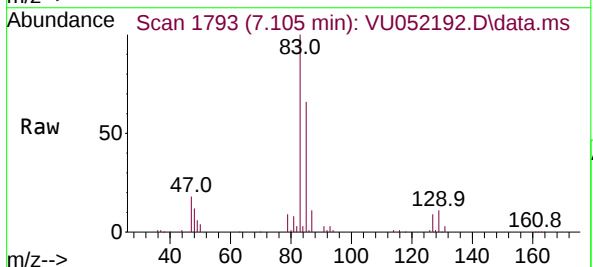
Tgt Ion: 83 Resp: 129031

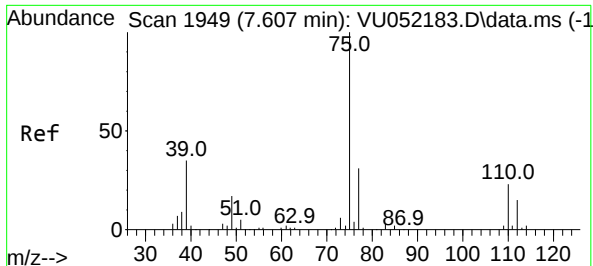
Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.9

127 8.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.399 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

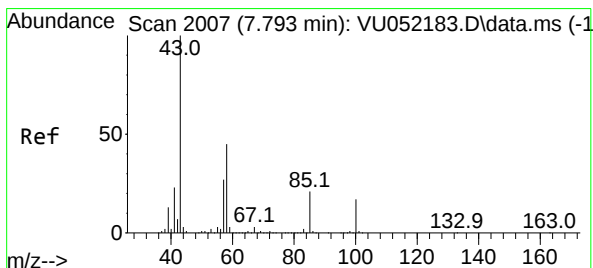
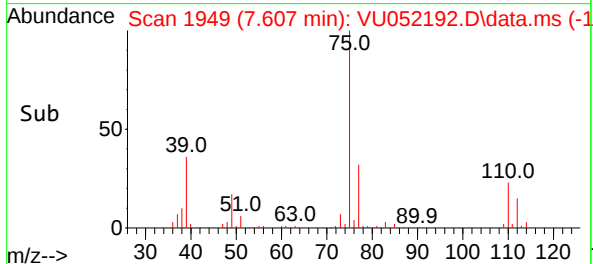
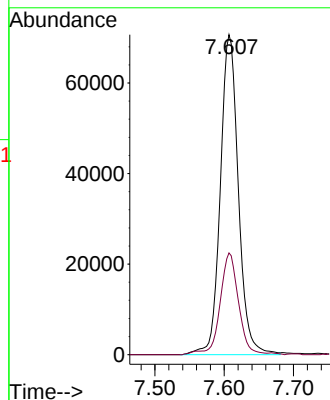
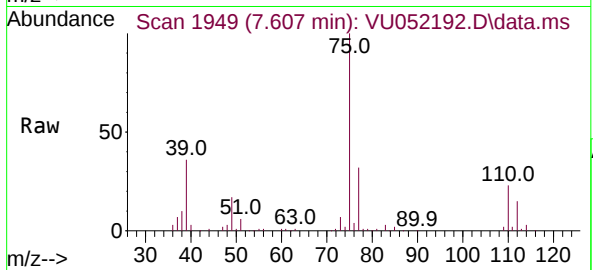
VSTD005094

Tgt Ion: 75 Resp: 128074

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 52.529 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

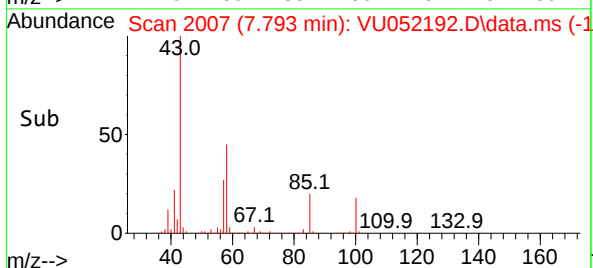
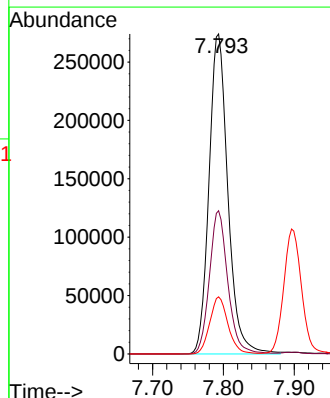
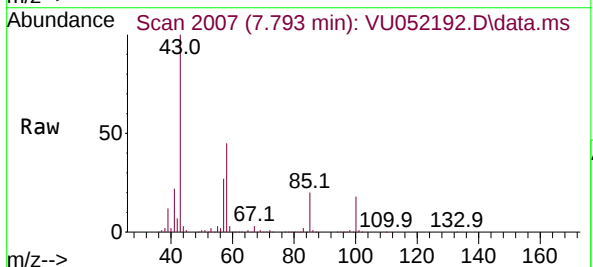
Tgt Ion: 43 Resp: 506955

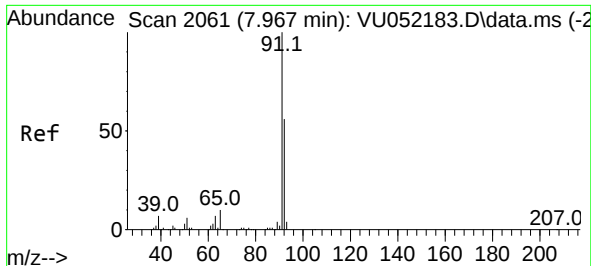
Ion Ratio Lower Upper

43 100

58 43.7 35.3 52.9

100 17.3 13.6 20.4





#42

Toluene

Concen: 5.873 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

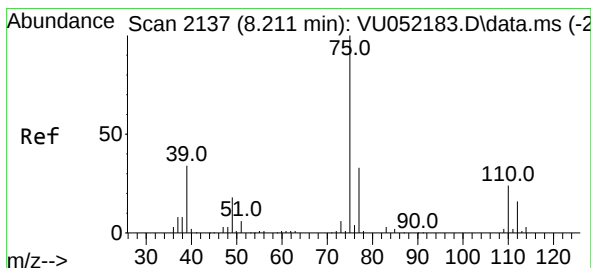
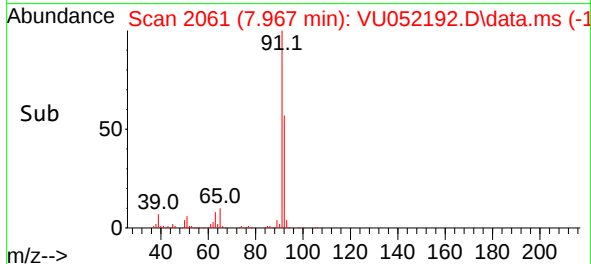
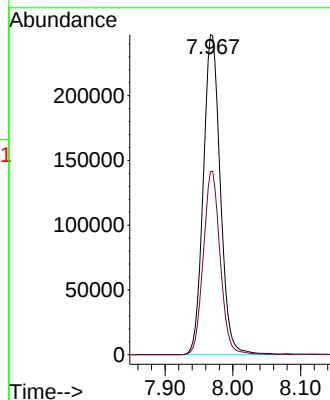
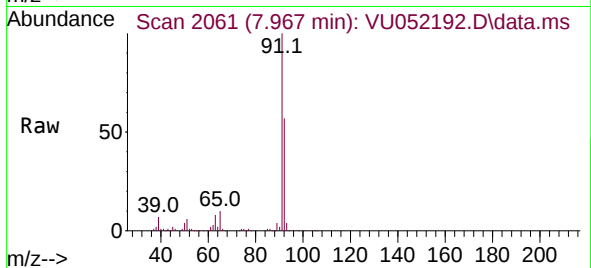
VSTD005094

Tgt Ion: 91 Resp: 431087

Ion Ratio Lower Upper

91 100

92 57.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.594 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU052192.D

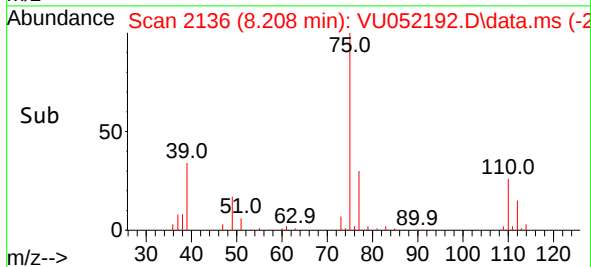
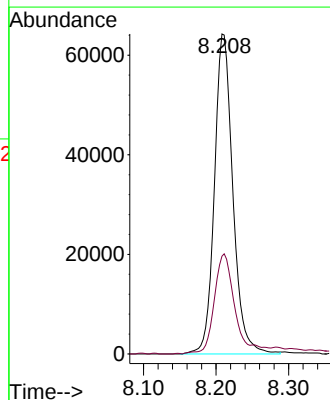
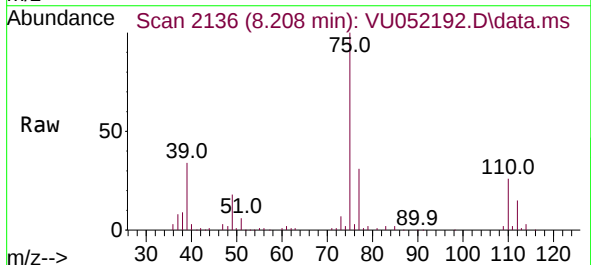
Acq: 07 Dec 2022 10:34

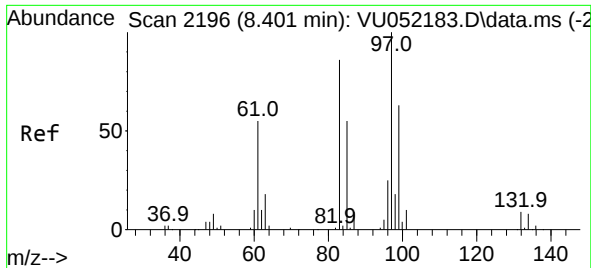
Tgt Ion: 75 Resp: 113627

Ion Ratio Lower Upper

75 100

77 30.6 22.6 42.0

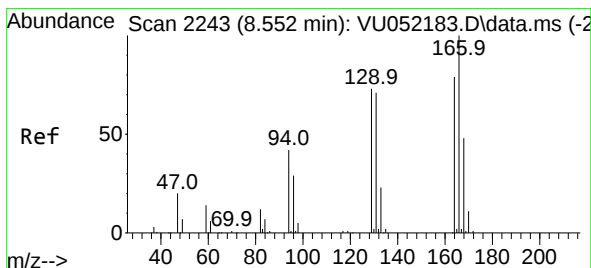
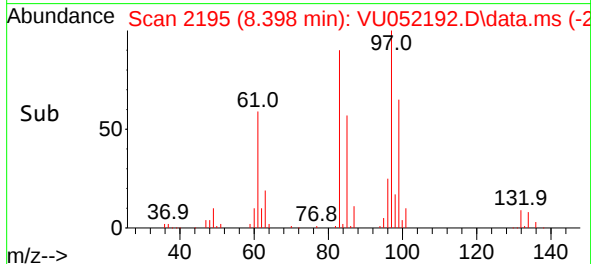
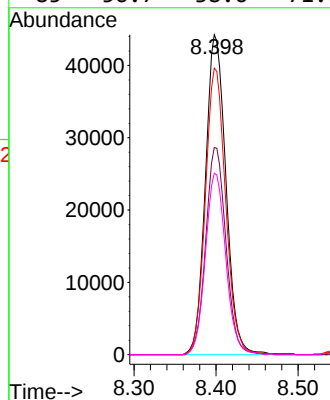
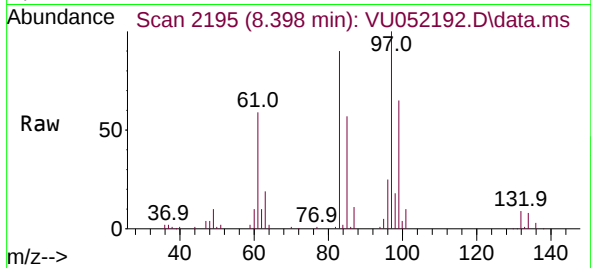




#45  
1,1,2-Trichloroethane  
Concen: 5.532 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. -0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

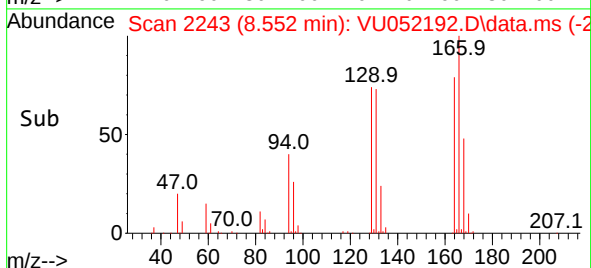
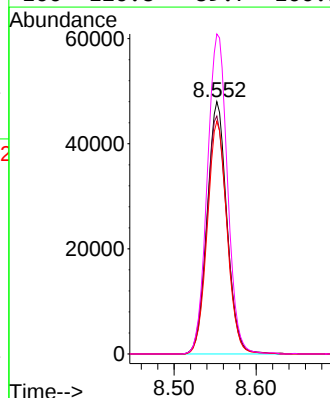
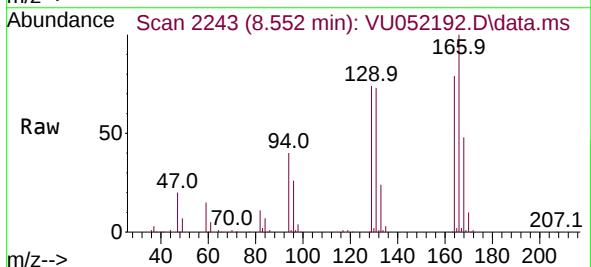
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

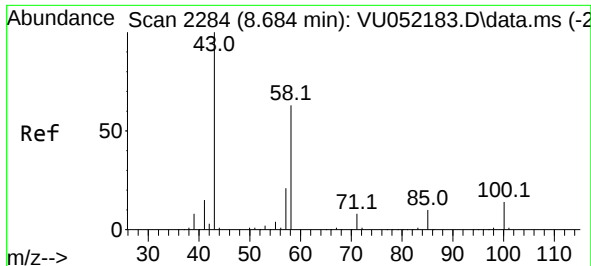
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 76801 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.8  | 42.6  | 79.2  |
| 83       | 89.5  | 60.7  | 112.7 |
| 85       | 56.7  | 38.6  | 71.6  |



#47  
Tetrachloroethene  
Concen: 5.912 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 80639 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 94.3  | 67.4  | 125.2 |
| 131      | 92.2  | 67.1  | 124.7 |
| 166      | 126.8 | 89.7  | 166.5 |

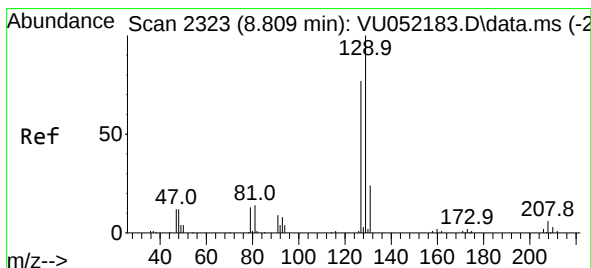
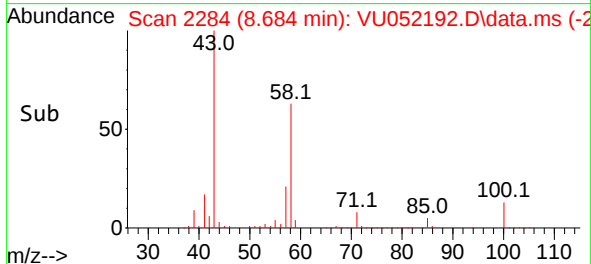
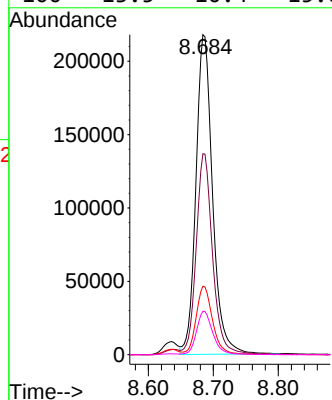
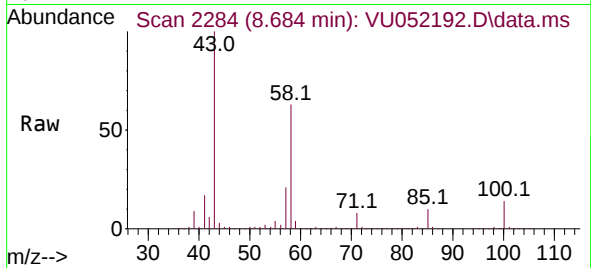




#48  
2-Hexanone  
Concen: 54.978 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

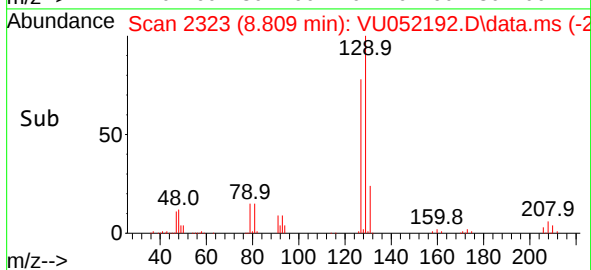
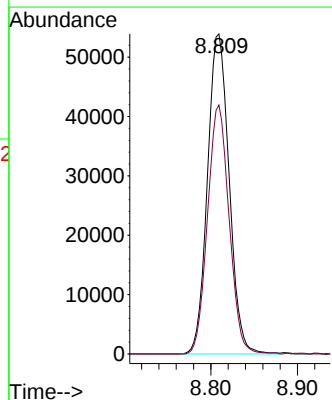
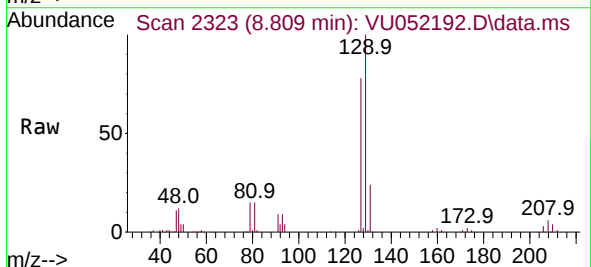
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

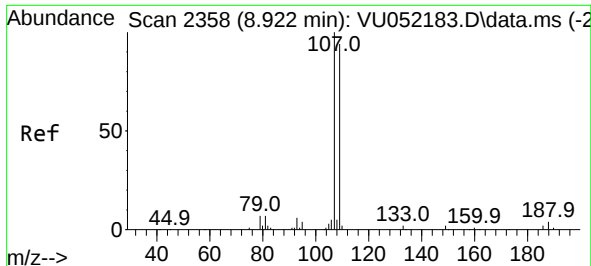
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 388983 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 61.3  | 49.4  | 74.0   |
| 57       | 21.0  | 16.3  | 24.5   |
| 100      | 13.5  | 10.4  | 15.6   |



#49  
Dibromochloromethane  
Concen: 6.030 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 93762 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 77.8  | 52.8  | 98.2  |





#50

1,2-Dibromoethane

Concen: 5.688 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005094

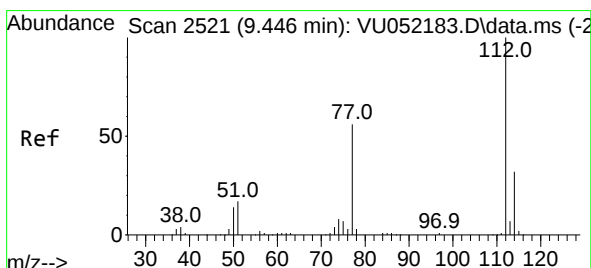
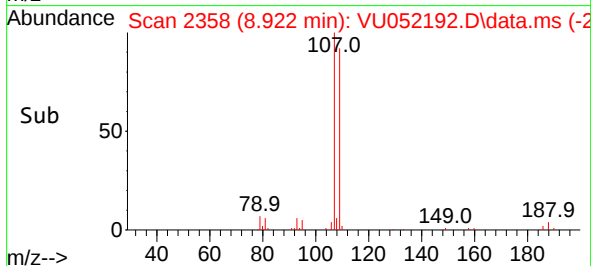
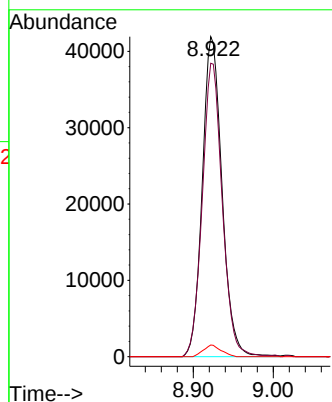
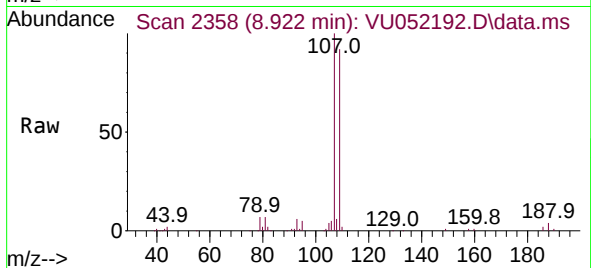
Tgt Ion:107 Resp: 71935

Ion Ratio Lower Upper

107 100

109 91.7 64.9 120.5

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 5.654 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

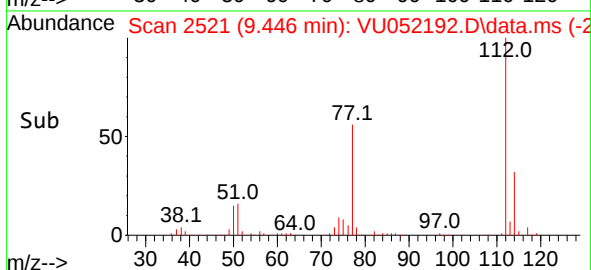
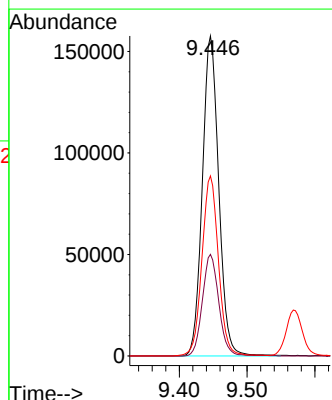
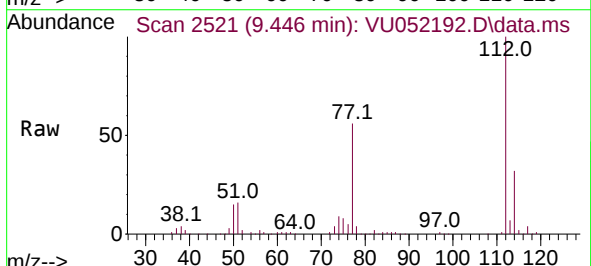
Tgt Ion:112 Resp: 264574

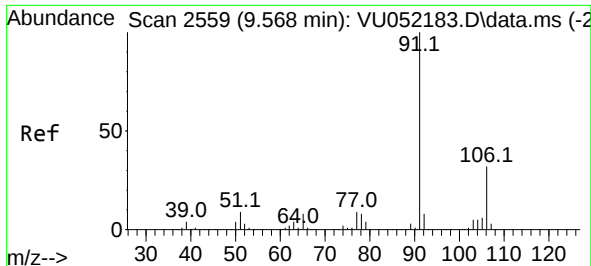
Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

77 56.2 46.6 70.0

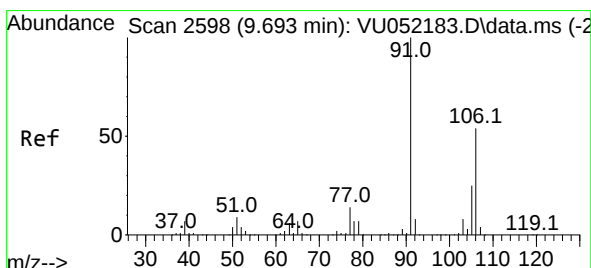
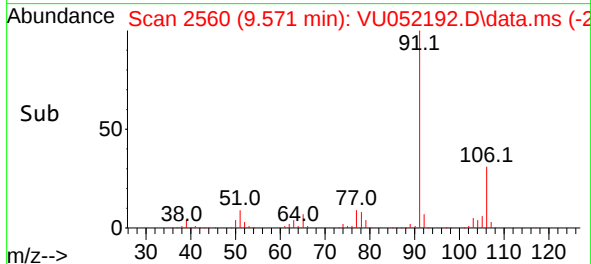
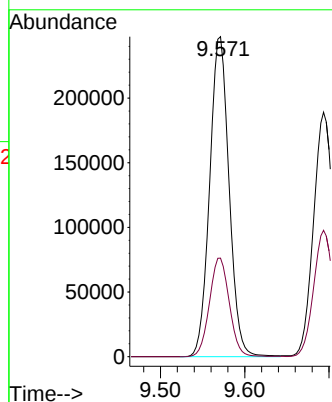
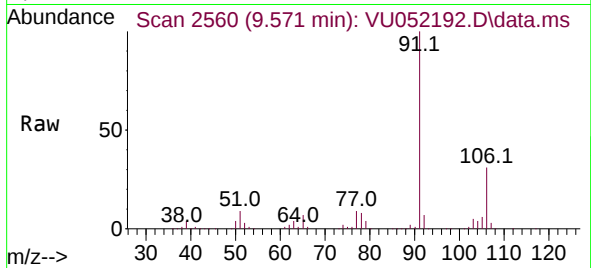




#52  
Ethylbenzene  
Concen: 5.550 ug/L  
RT: 9.571 min Scan# 2559  
Delta R.T. 0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

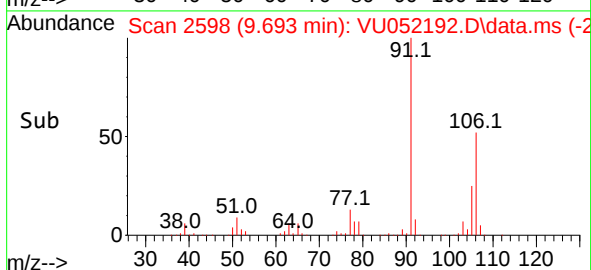
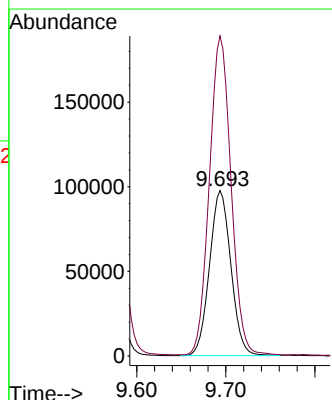
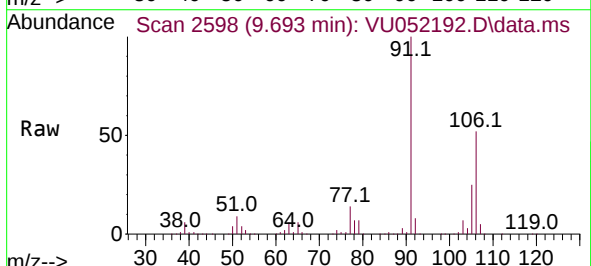
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

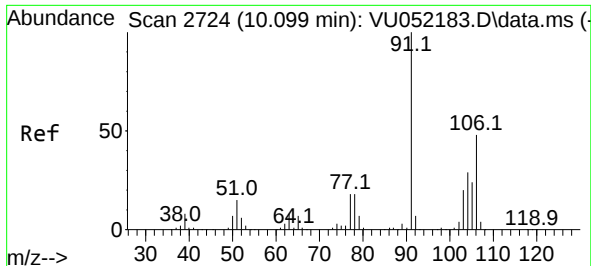
Tgt Ion: 91 Resp: 396081  
Ion Ratio Lower Upper  
91 100  
106 30.8 22.3 41.3



#53  
m,p-Xylene  
Concen: 5.892 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 106 Resp: 162811  
Ion Ratio Lower Upper  
106 100  
91 193.4 137.7 255.7

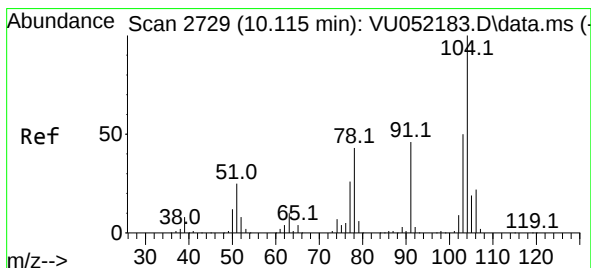
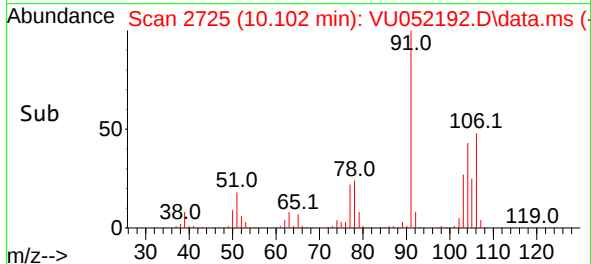
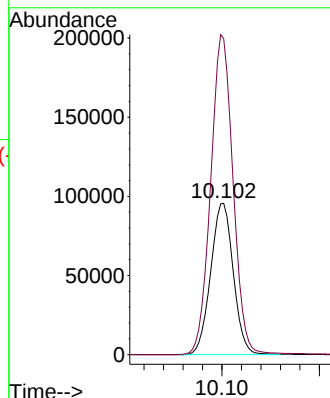
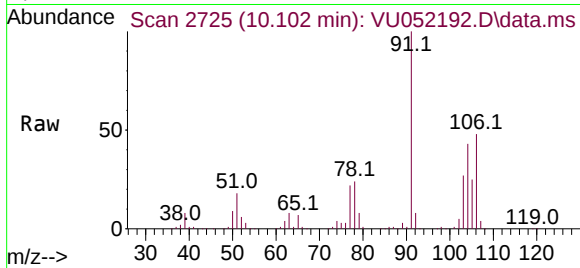




#54  
o-Xylene  
Concen: 5.822 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

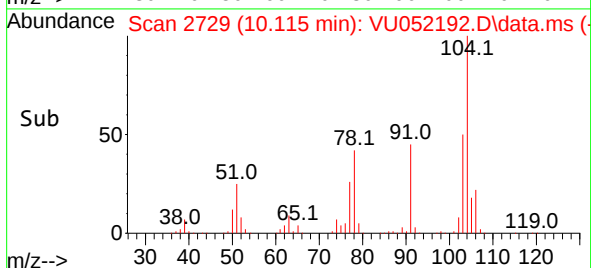
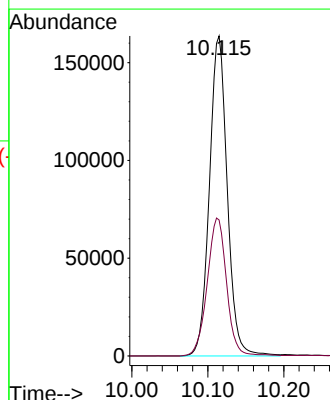
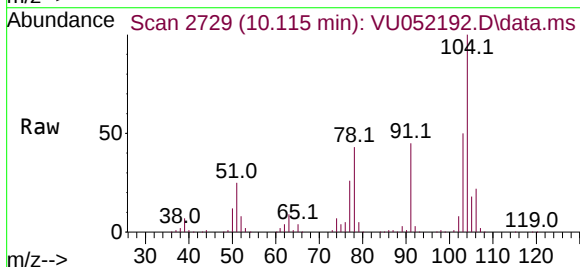
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

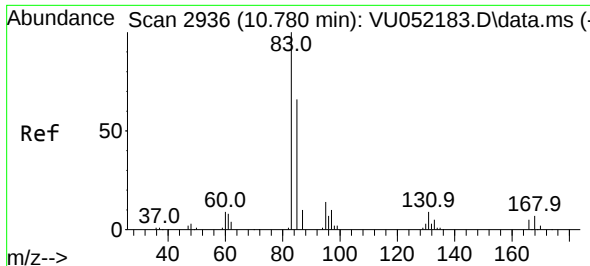
Tgt Ion:106 Resp: 154191  
Ion Ratio Lower Upper  
106 100  
91 208.6 151.5 281.5



#55  
Styrene  
Concen: 5.974 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion:104 Resp: 267219  
Ion Ratio Lower Upper  
104 100  
78 42.5 30.6 56.8

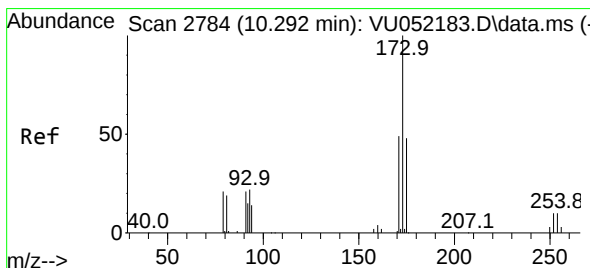
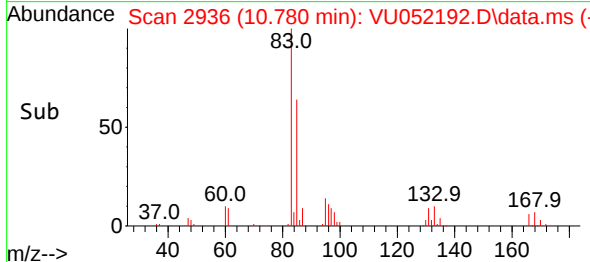
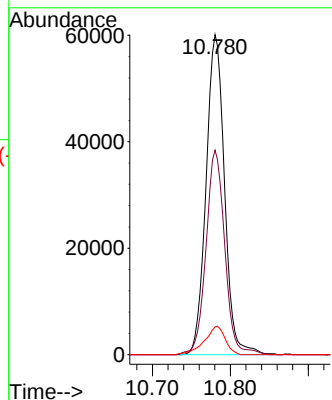
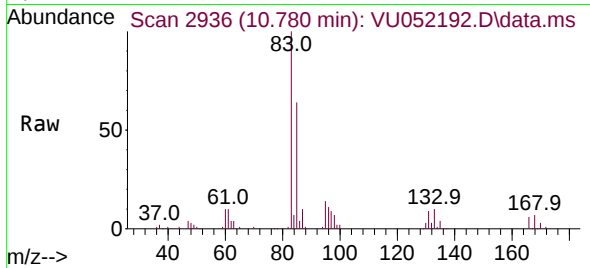




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.713 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

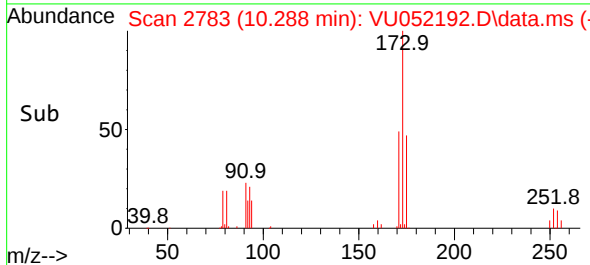
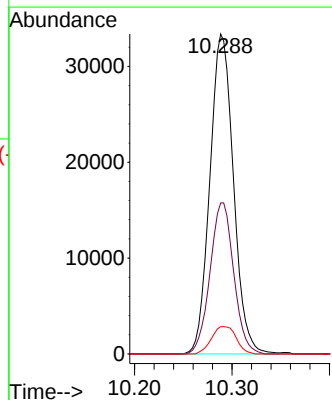
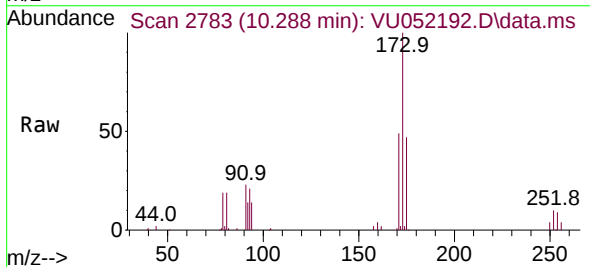
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

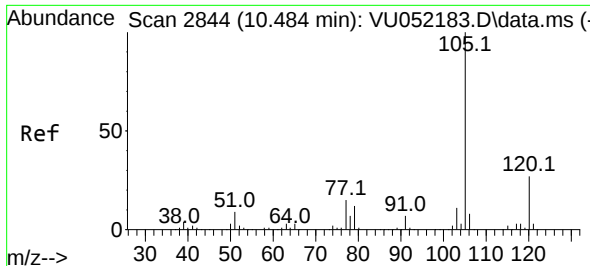
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 99062 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.9  | 45.7  | 84.9  |
| 131       | 8.7   | 7.6   | 11.4  |



#59  
Bromoform  
Concen: 6.055 ug/L  
RT: 10.288 min Scan# 2783  
Delta R.T. -0.003 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 56168 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.4  | 37.2  | 55.8  |
| 254       | 8.9   | 7.0   | 10.6  |

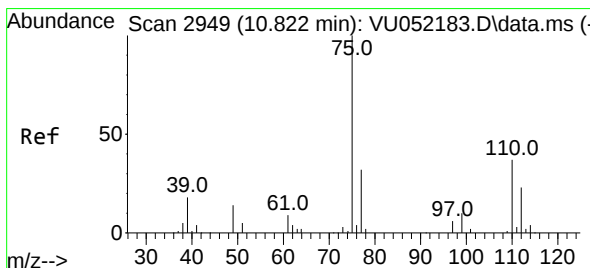
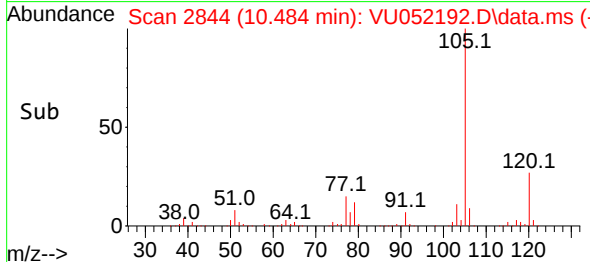
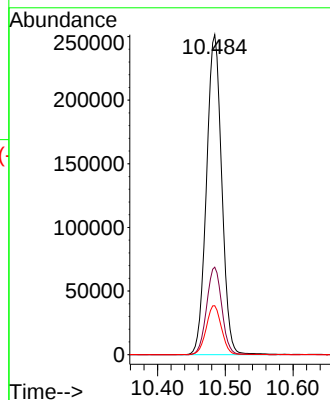
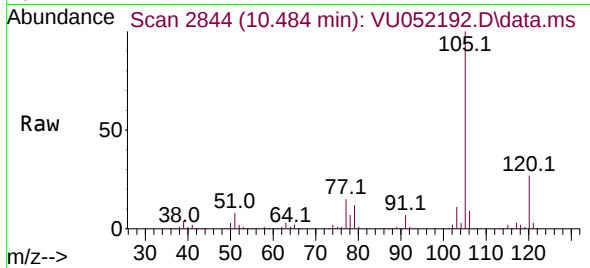




#60  
Isopropylbenzene  
Concen: 5.548 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

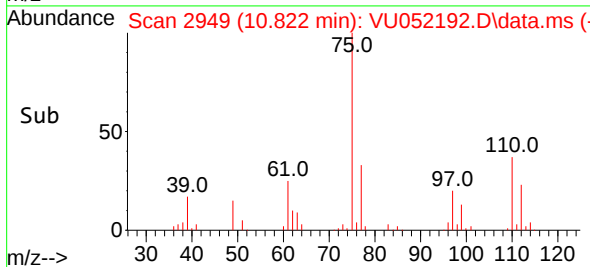
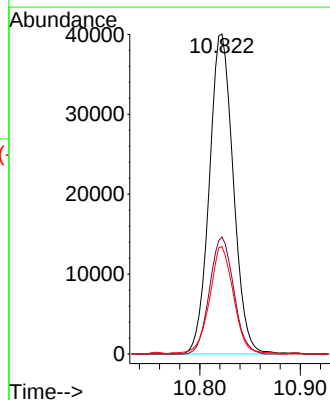
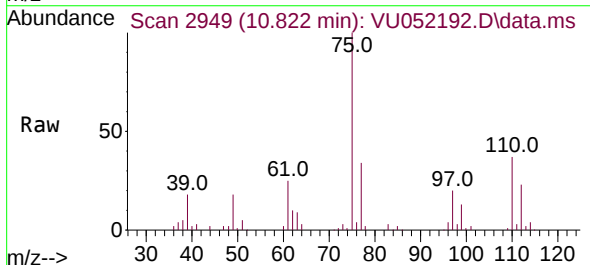
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

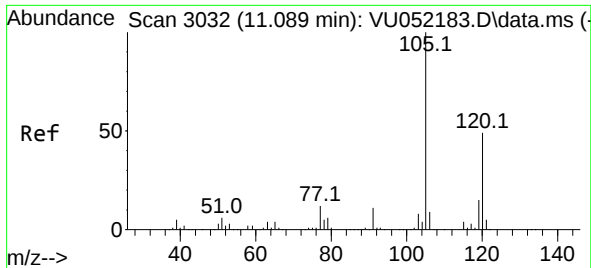
Tgt Ion:105 Resp: 392512  
Ion Ratio Lower Upper  
105 100  
120 27.3 21.0 31.6  
77 15.4 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 5.146 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion: 75 Resp: 66331  
Ion Ratio Lower Upper  
75 100  
110 36.7 28.3 42.5  
77 33.8 26.2 39.2

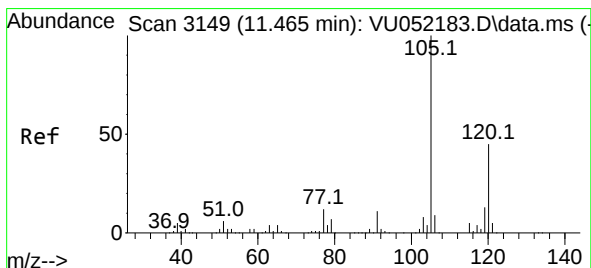
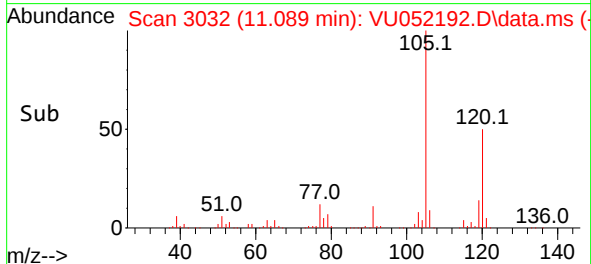
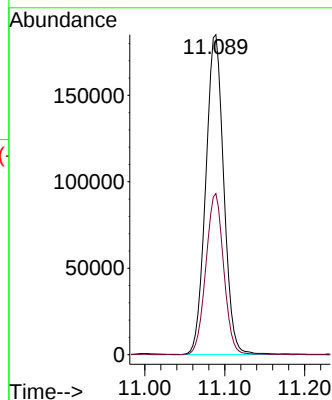
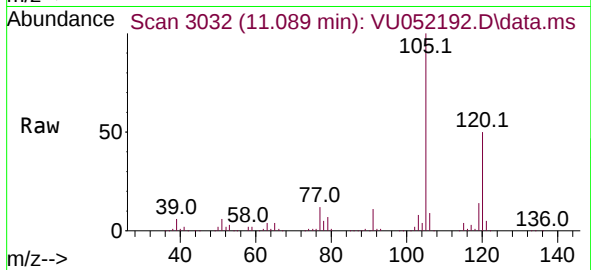




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.122 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

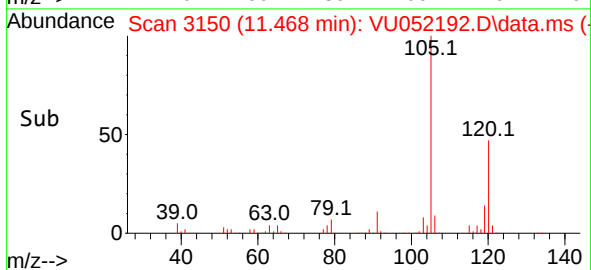
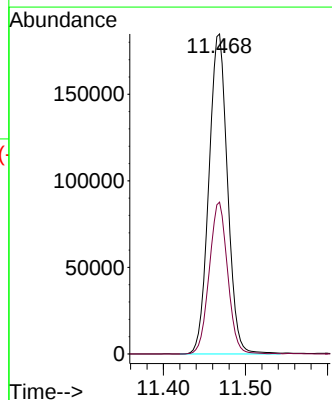
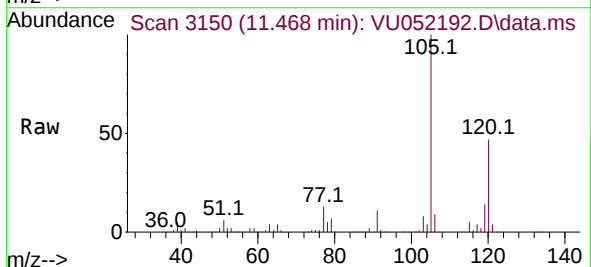
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

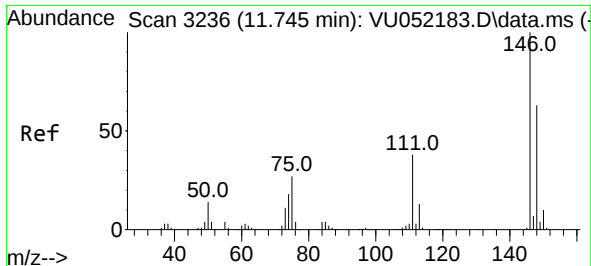
Tgt Ion:105 Resp: 289669  
 Ion Ratio Lower Upper  
 105 100  
 120 50.0 38.7 58.1



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.209 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.003 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Tgt Ion:105 Resp: 292428  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 36.6 55.0

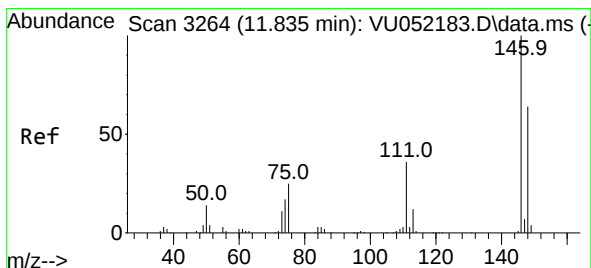
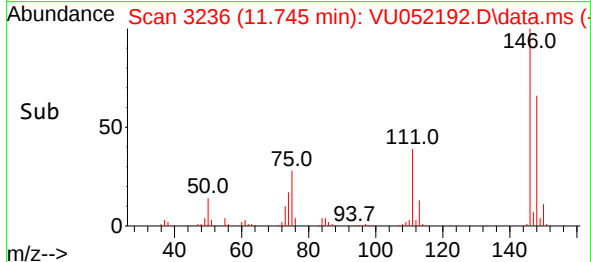
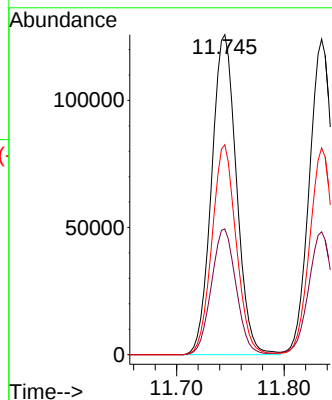
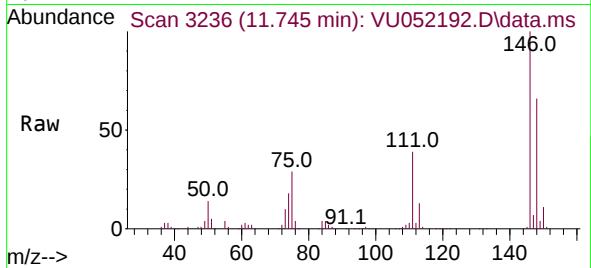




#64  
1,3-Dichlorobenzene  
Concen: 5.595 ug/L  
RT: 11.745 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

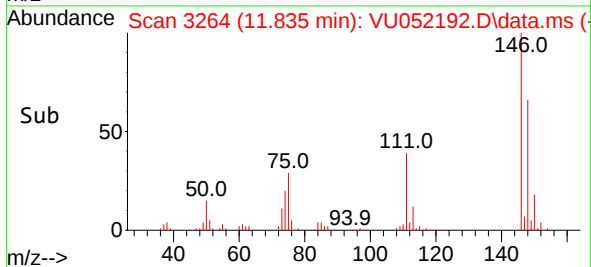
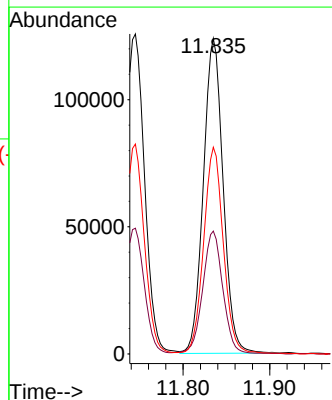
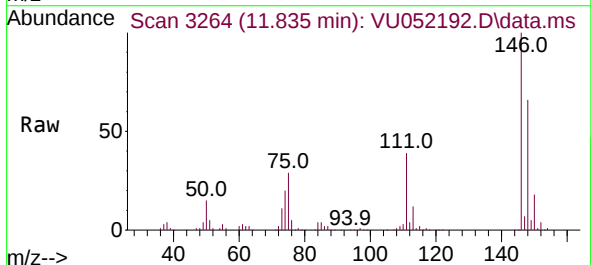
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

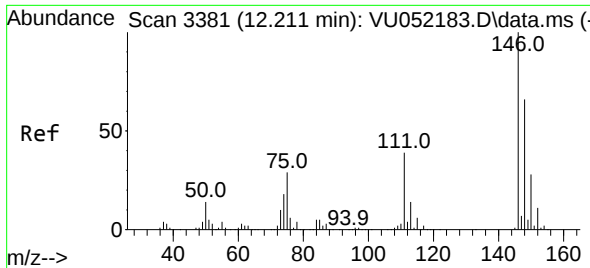
Tgt Ion:146 Resp: 202098  
Ion Ratio Lower Upper  
146 100  
111 39.3 28.6 53.2  
148 65.6 45.4 84.2



#65  
1,4-Dichlorobenzene  
Concen: 5.452 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion:146 Resp: 196408  
Ion Ratio Lower Upper  
146 100  
111 39.0 26.9 50.1  
148 65.5 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 5.500 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005094

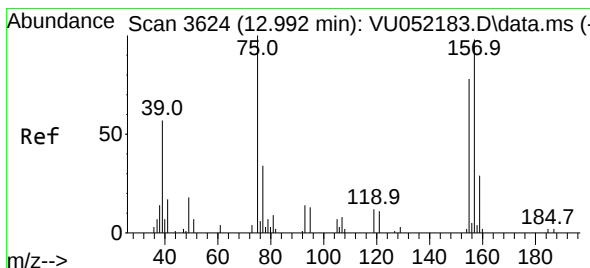
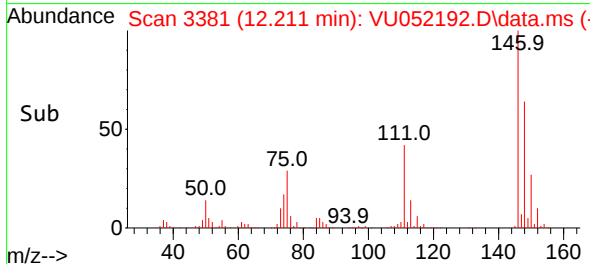
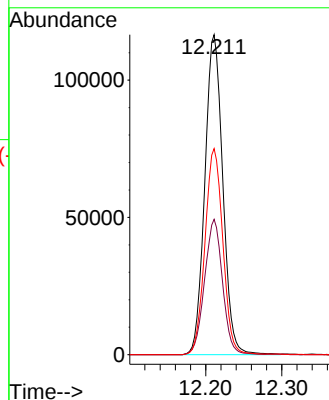
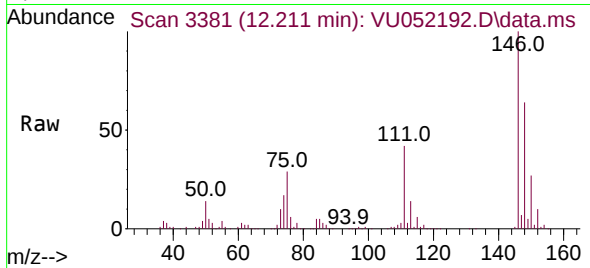
Tgt Ion:146 Resp: 191327

Ion Ratio Lower Upper

146 100

111 42.3 32.7 49.1

148 64.4 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.285 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052192.D

Acq: 07 Dec 2022 10:34

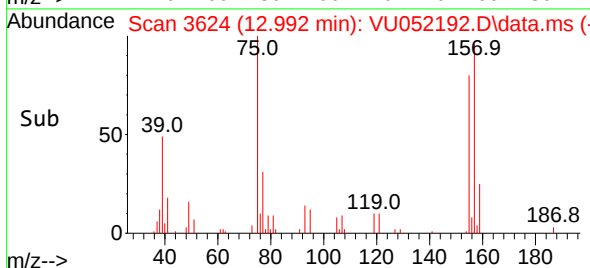
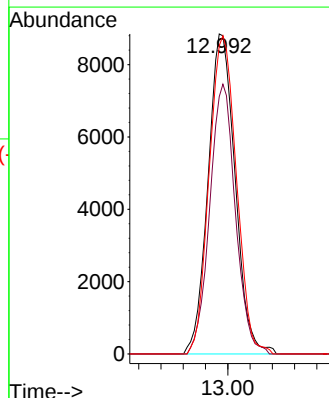
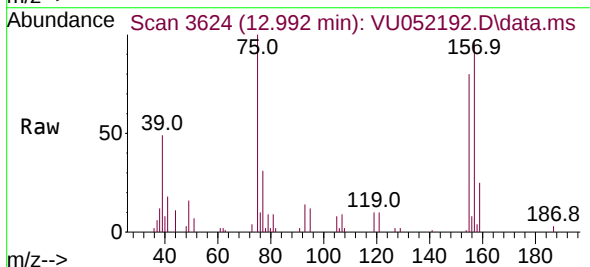
Tgt Ion: 75 Resp: 14909

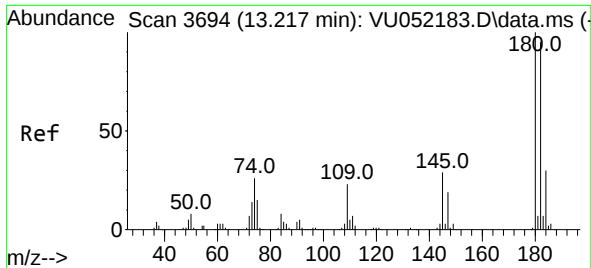
Ion Ratio Lower Upper

75 100

155 80.4 65.4 98.2

157 96.3 80.5 120.7



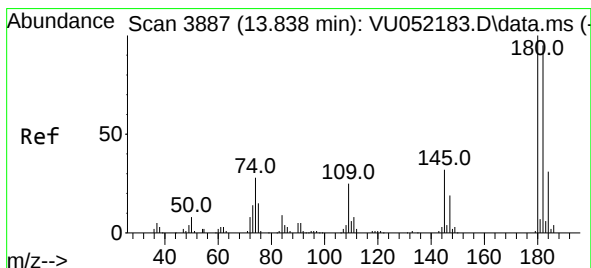
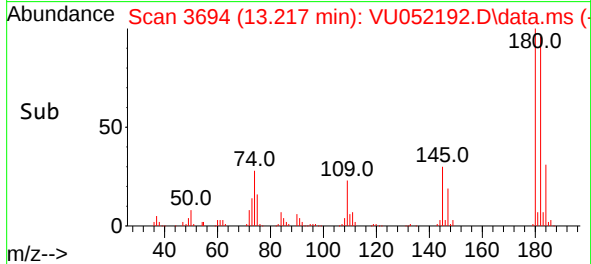
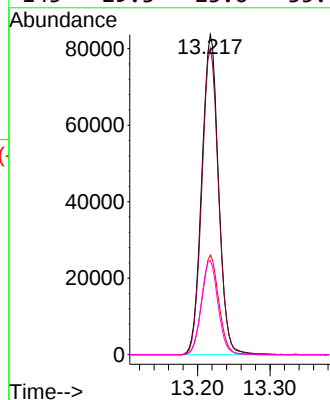
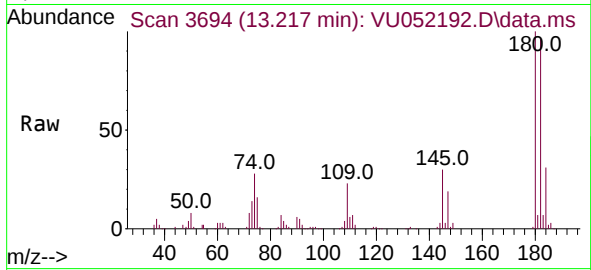


#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.249 ug/L  
 RT: 13.217 min Scan# 3694  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005094

Tgt Ion:180 Resp: 134454

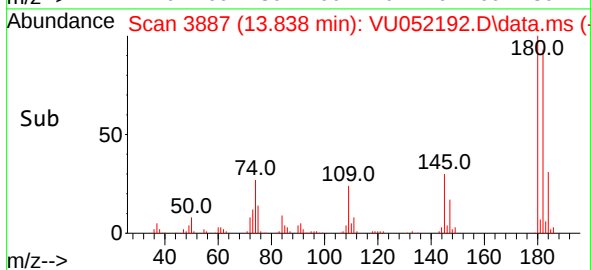
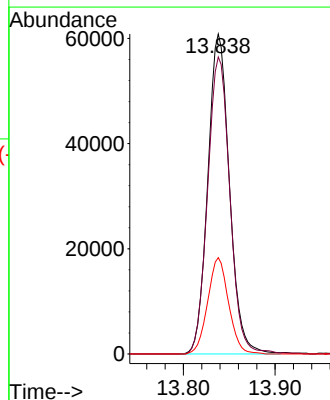
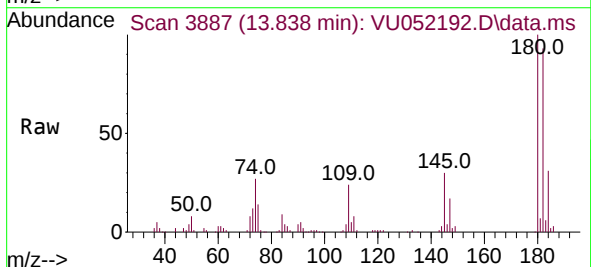
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.3  | 75.7  | 113.5 |
| 184 | 31.4  | 24.3  | 36.5  |
| 145 | 29.3  | 23.6  | 35.4  |

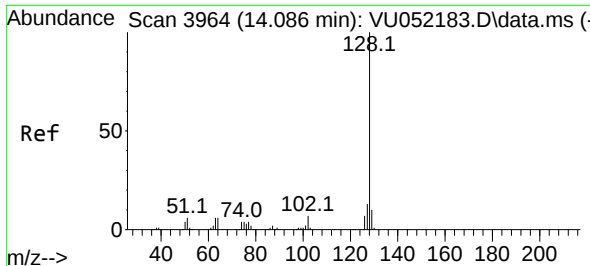


#70  
 1,2,4-trichlorobenzene  
 Concen: 5.125 ug/L  
 RT: 13.838 min Scan# 3887  
 Delta R.T. -0.000 min  
 Lab File: VU052192.D  
 Acq: 07 Dec 2022 10:34

Tgt Ion:180 Resp: 99970

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.3  | 76.3  | 114.5 |
| 145 | 29.0  | 24.6  | 36.8  |

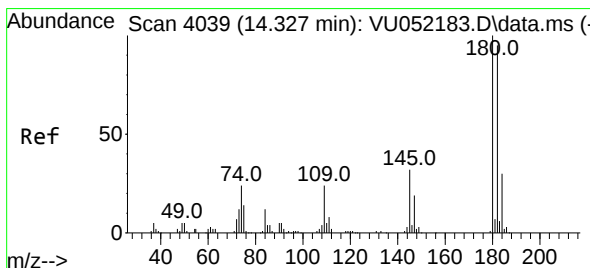
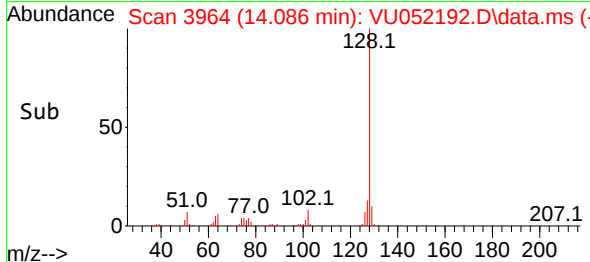
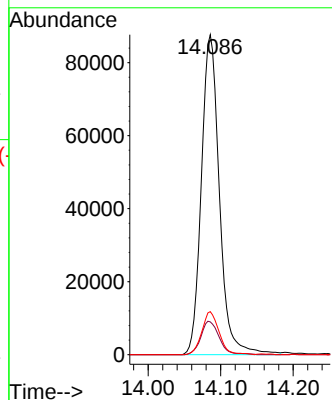
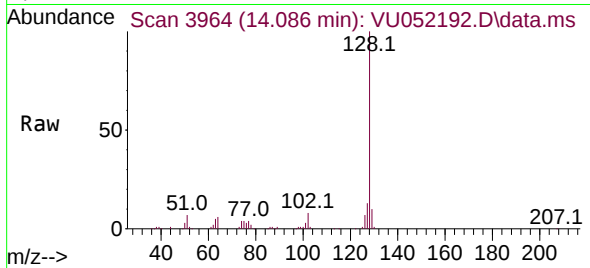




#71  
Naphthalene  
Concen: 4.143 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005094

Tgt Ion:128 Resp: 151705  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.3 12.5  
127 12.9 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 4.995 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. 0.000 min  
Lab File: VU052192.D  
Acq: 07 Dec 2022 10:34

Tgt Ion:180 Resp: 95847  
Ion Ratio Lower Upper  
180 100  
182 94.9 75.7 113.5  
145 31.3 24.5 36.7

