

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062222\  
 Data File : VU049340.D  
 Acq On : 22 Jun 2022 09:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 23 02:00:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 21 01:08:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 259614   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 246008   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 130782   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 75083    | 46.946   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 93.900%  |
| 7) Chloroethane-d5            | 1.909   | 69    | 54137    | 46.101   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 149379   | 49.498   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.000%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 193777   | 110.508  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 110.510% |
| 24) Chloroform-d              | 5.063   | 84    | 174002   | 51.000   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.000% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 106829   | 48.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.660%  |
| 32) Benzene-d6                | 5.729   | 84    | 309308   | 50.705   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 113118   | 55.160   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 110.320% |
| 41) Toluene-d8                | 7.899   | 98    | 283812   | 52.755   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.500% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 54147    | 56.124   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 112.240% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 126567   | 117.924  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 117.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 173846   | 50.756   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.520% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 113330   | 49.804   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.600%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 101018   | 44.093   | ug/L   | 99       |
| 3) Chloromethane              | 1.523   | 50    | 100956   | 41.806   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.604   | 62    | 105125   | 45.921   | ug/L   | 96       |
| 6) Bromomethane               | 1.854   | 94    | 42177    | 33.307   | ug/L   | 99       |
| 8) Chloroethane               | 1.932   | 64    | 61017    | 47.722   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.137   | 101   | 148239   | 46.009   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 89027    | 48.677   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 77453    | 48.379   | ug/L   | 96       |
| 13) Acetone                   | 2.633   | 43    | 160773   | 116.517  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793   | 76    | 187739   | 46.114   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.948   | 43    | 141037   | 51.535   | ug/L   | 97       |
| 16) Methylene chloride        | 3.044   | 84    | 103801   | 49.789   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 83141    | 47.231   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 319639   | 48.539   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.870   | 63    | 185336   | 48.873   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 102215   | 47.729   | ug/L   | 95       |
| 22) 2-Butanone                | 4.703   | 43    | 227624   | 107.348  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.976   | 128   | 51563    | 45.874   | ug/L   | 88       |
| 25) Chloroform                | 5.089   | 83    | 190099   | 48.100   | ug/L   | 100      |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 23 02:00:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 21 01:08:31 2022  
 Response via : Initial Calibration

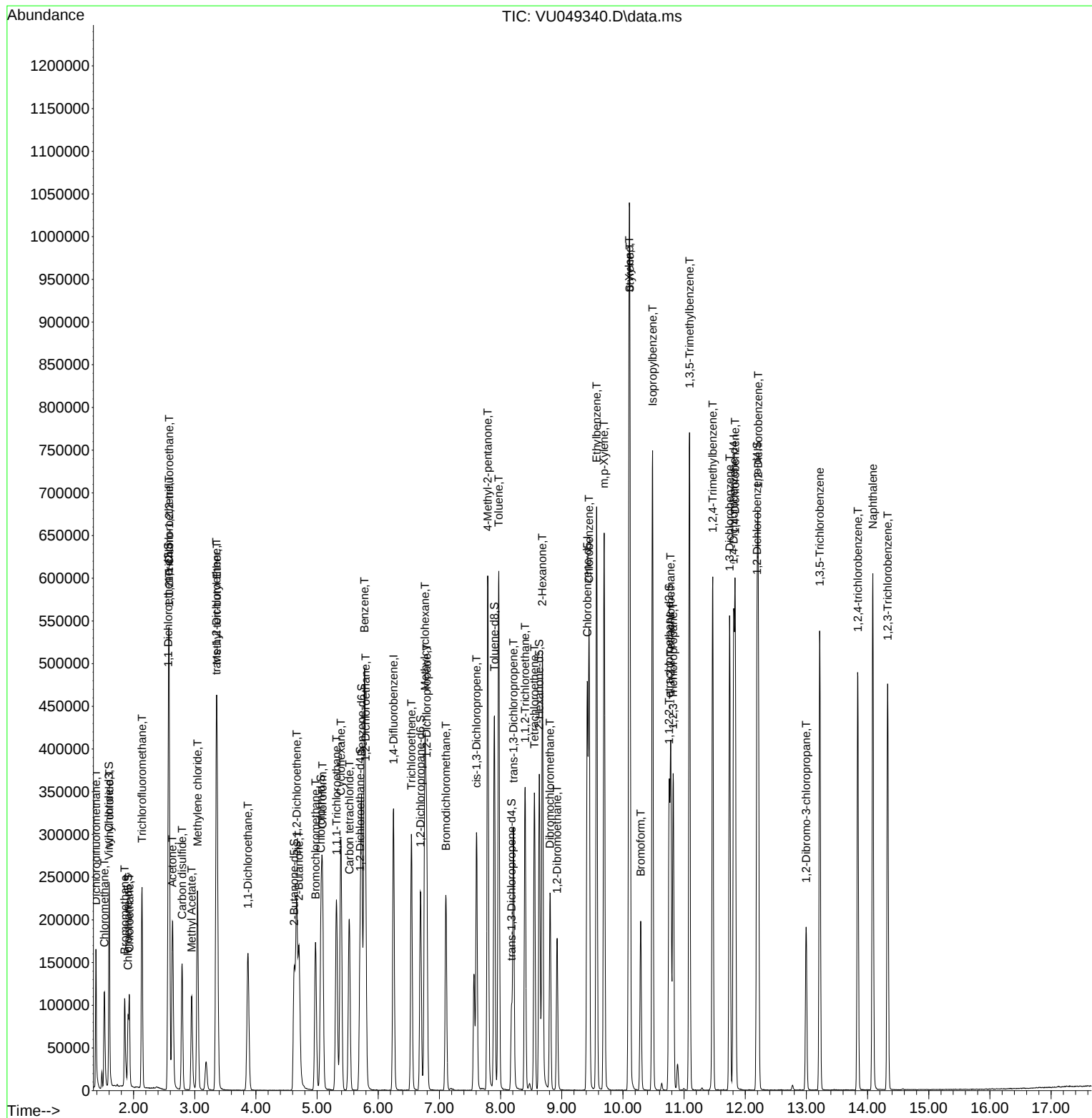
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 148933   | 46.292  | ug/L  | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 153277   | 55.673  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 162167   | 47.268  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 137020   | 45.666  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 404403   | 50.740  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 101291   | 50.419  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.764  | 83   | 156009   | 55.633  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 115824   | 51.535  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 146483   | 49.090  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 174295   | 52.704  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 402527   | 106.306 | ug/L  | 97       |
| 42) Toluene                   | 7.970  | 91   | 429113   | 52.090  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 167921   | 51.279  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 106678   | 48.984  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.552  | 164  | 75368    | 48.390  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 331258   | 107.612 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.809  | 129  | 115182   | 47.501  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 115010   | 50.199  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 269383   | 48.375  | ug/L  | 96       |
| 52) Ethylbenzene              | 9.571  | 91   | 474445   | 52.970  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 177747   | 50.535  | ug/L  | 88       |
| 54) o-Xylene                  | 10.102 | 106  | 173982   | 49.095  | ug/L  | 87       |
| 55) Styrene                   | 10.115 | 104  | 304484   | 51.451  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 195226   | 48.103  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 86310    | 44.719  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 156057   | 47.043  | ug/L  | 97       |
| 61) Isopropylbenzene          | 10.484 | 105  | 471193   | 53.041  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 411344   | 54.236  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 322759   | 53.453  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 213541   | 49.003  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 211792   | 48.003  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 213092   | 47.120  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 49352    | 45.075  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 159935   | 51.375  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 138960   | 52.787  | ug/L  | 98       |
| 71) Naphthalene               | 14.085 | 128  | 452001   | 48.532  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 141775   | 50.914  | ug/L  | 99       |

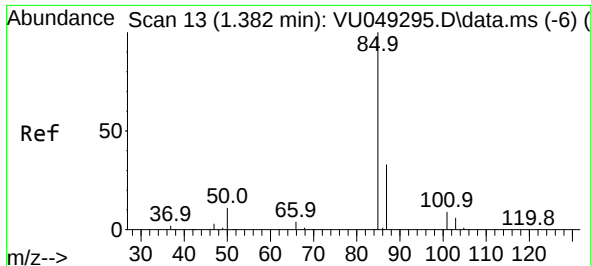
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 21 01:08:31 2022  
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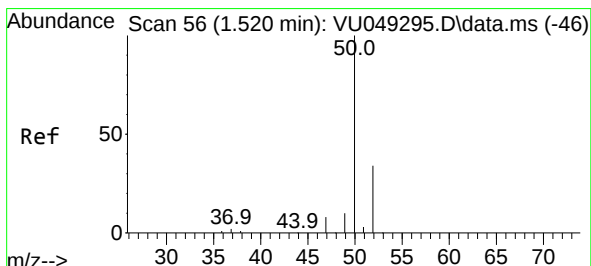
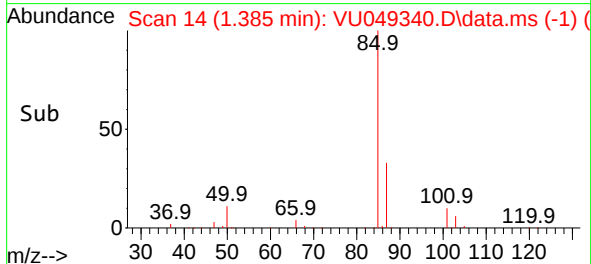
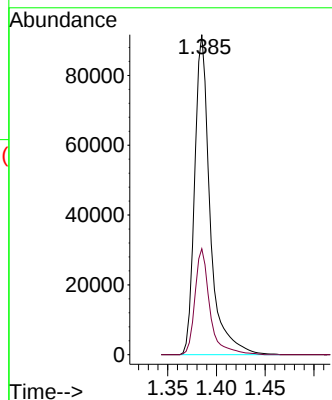
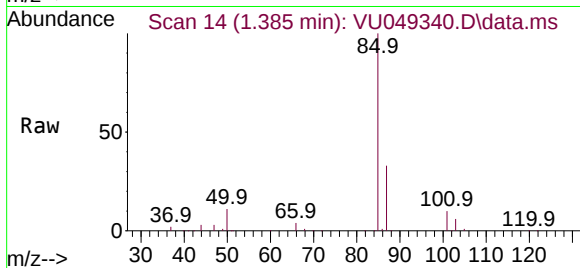




#2  
Dichlorodifluoromethane  
Concen: 44.093 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

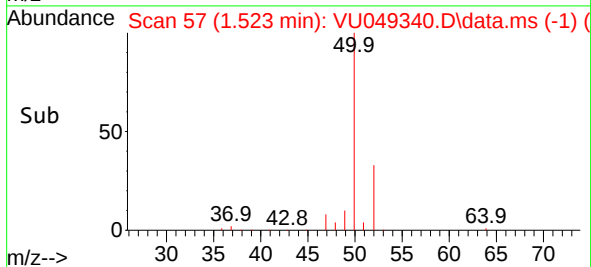
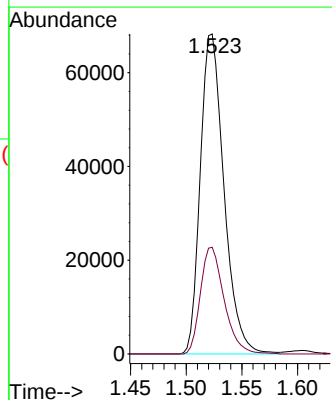
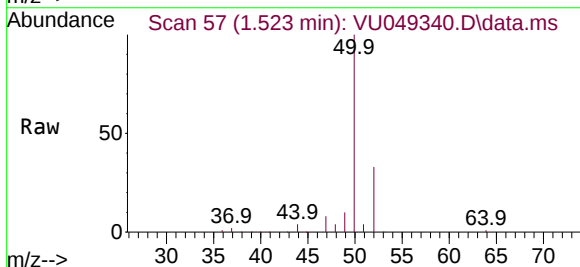
Instrument :  
MSVOA\_U  
ClientSampleId :

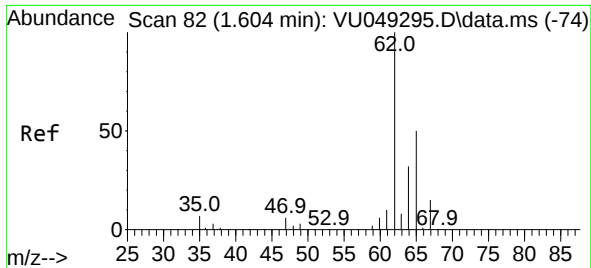
Tgt Ion: 85 Resp: 101018  
Ion Ratio Lower Upper  
85 100  
87 32.2 26.3 39.5



#3  
Chloromethane  
Concen: 41.806 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 50 Resp: 100956  
Ion Ratio Lower Upper  
50 100  
52 33.3 22.7 42.1

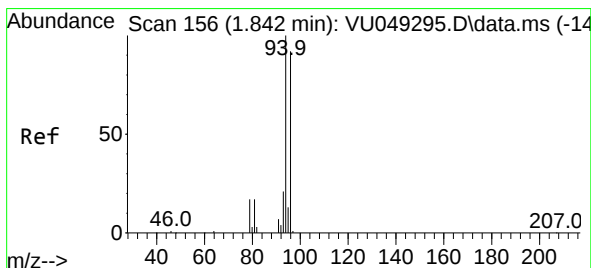
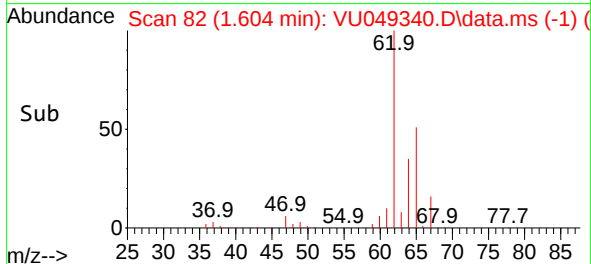
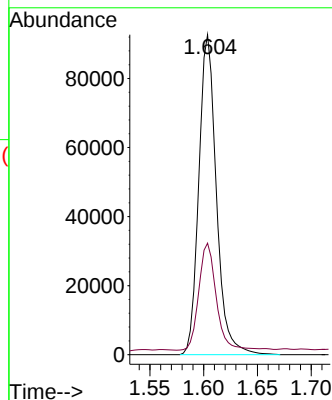
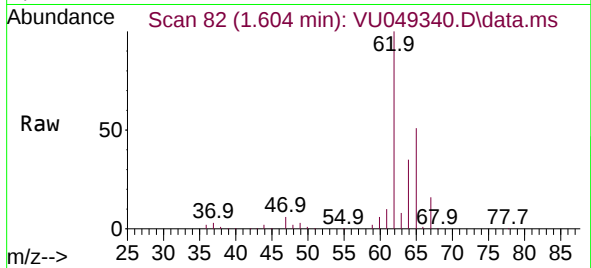




#5  
 Vinyl chloride  
 Concen: 45.921 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

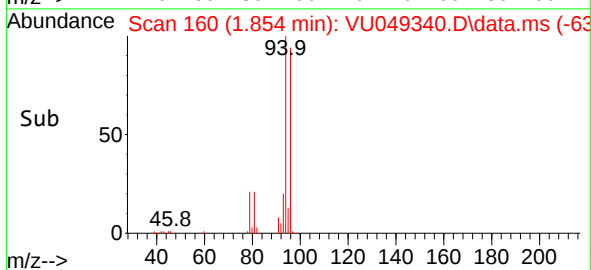
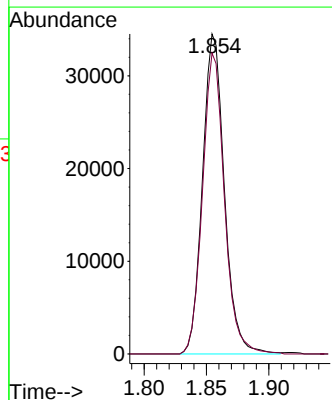
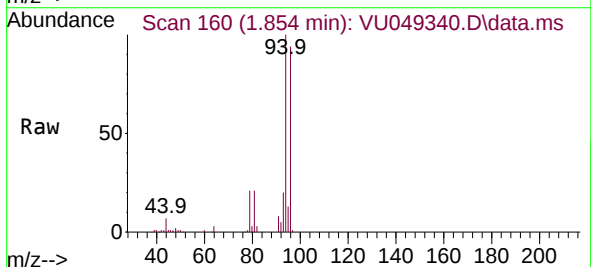
Instrument :  
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 ClientSampleId :

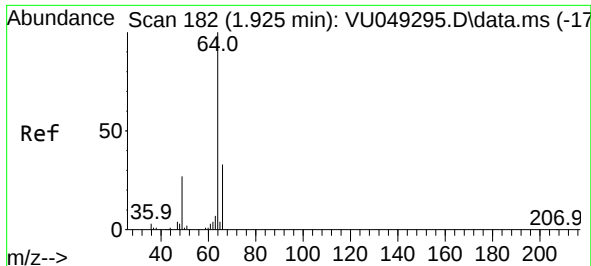
Tgt Ion: 62 Resp: 105125  
 Ion Ratio Lower Upper  
 62 100  
 64 34.8 22.7 42.3



#6  
 Bromomethane  
 Concen: 33.307 ug/L  
 RT: 1.854 min Scan# 160  
 Delta R.T. 0.013 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

Tgt Ion: 94 Resp: 42177  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 65.1 120.9

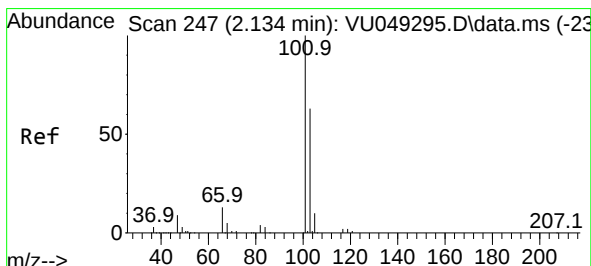
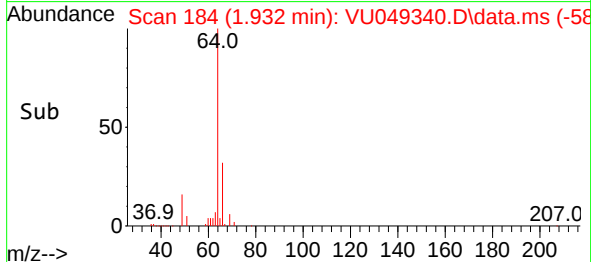
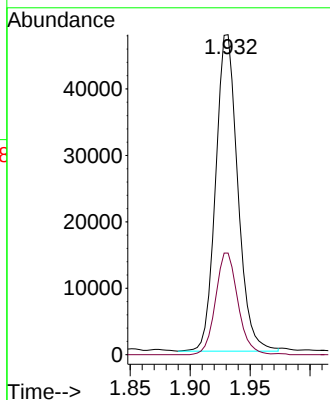
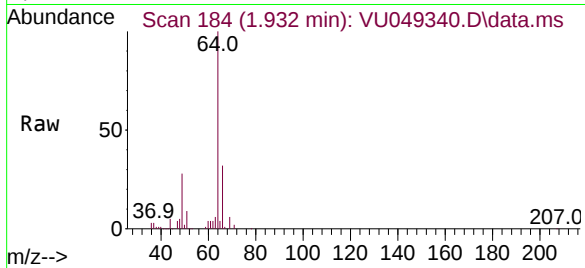




#8  
Chloroethane  
Concen: 47.722 ug/L  
RT: 1.932 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

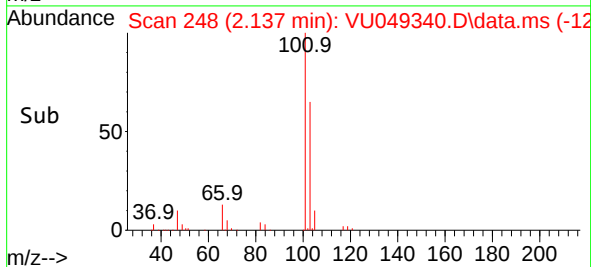
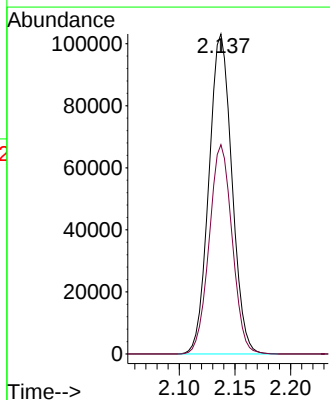
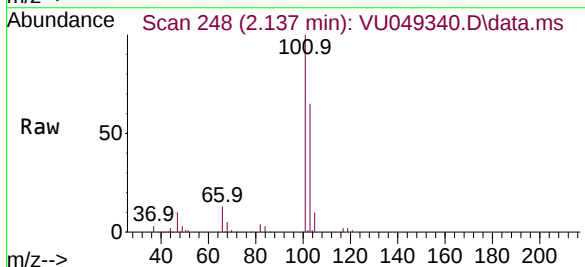
Instrument :  
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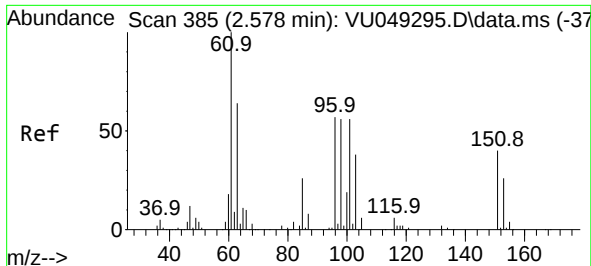
Tgt Ion: 64 Resp: 61017  
Ion Ratio Lower Upper  
64 100  
66 31.8 23.7 43.9



#9  
Trichlorofluoromethane  
Concen: 46.009 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:101 Resp: 148239  
Ion Ratio Lower Upper  
101 100  
103 65.1 51.3 76.9

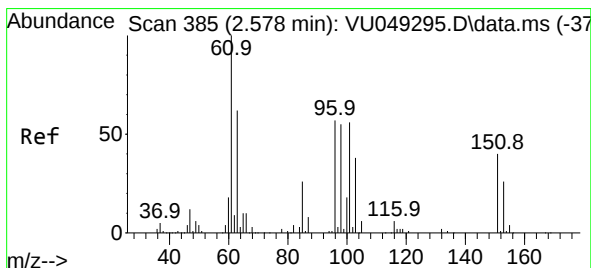
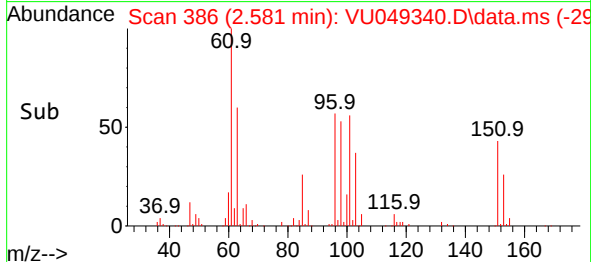
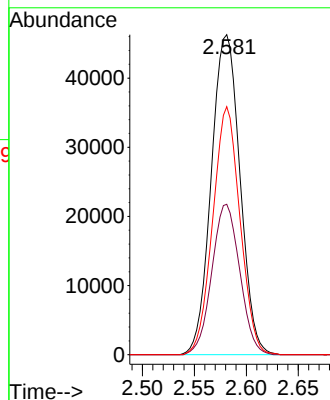
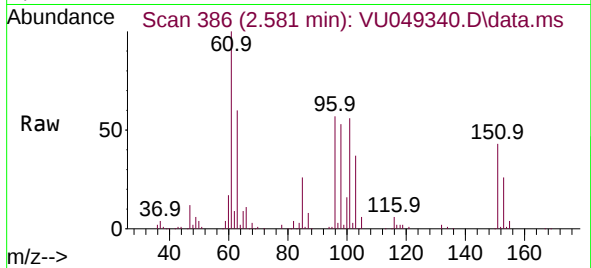




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 48.677 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.003 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

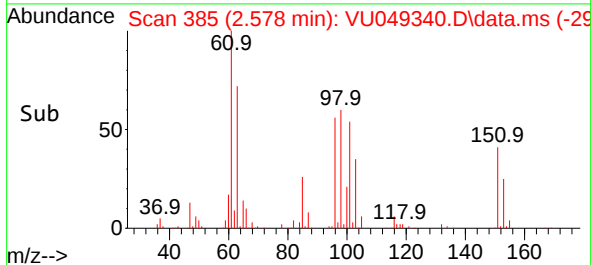
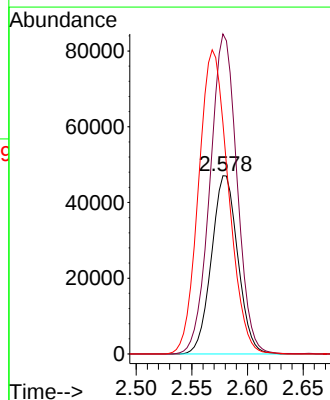
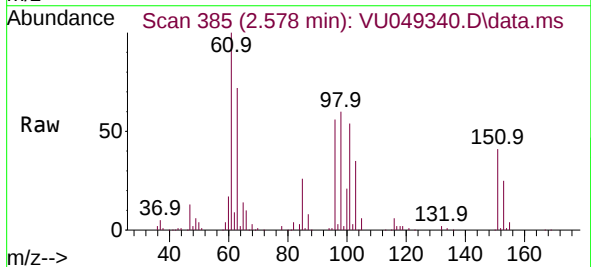
Instrument :  
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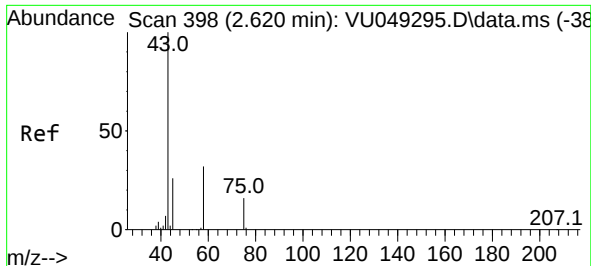
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 Ion Ratio Lower Upper  
 101 100  
 85 45.7 35.2 52.8  
 151 73.5 61.4 92.2



#12  
 1,1-Dichloroethene  
 Concen: 48.379 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

Tgt Ion: 96 Resp: 77453  
 Ion Ratio Lower Upper  
 96 100  
 61 179.5 123.5 229.3  
 63 129.6 86.0 159.8





#13

Acetone

Concen: 116.517 ug/L

RT: 2.633 min Scan# 402

Delta R.T. 0.013 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

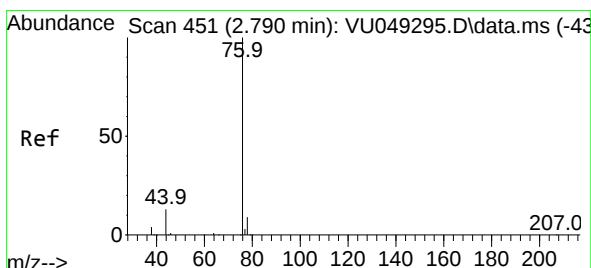
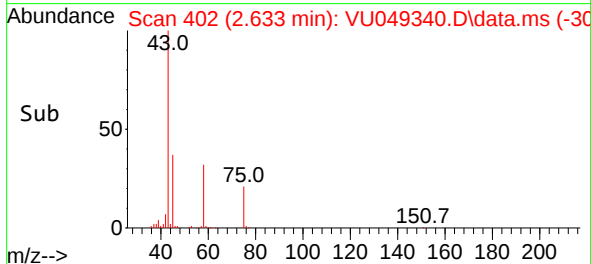
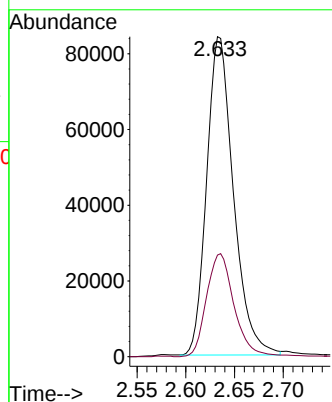
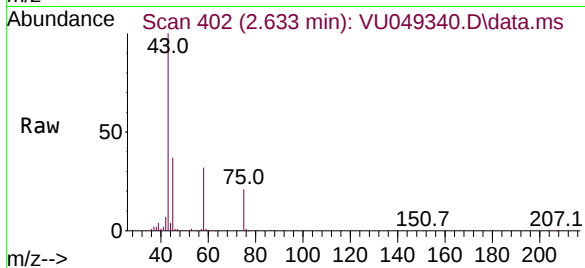
ClientSampleId :

Tgt Ion: 43 Resp: 160773

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.4



#14

Carbon disulfide

Concen: 46.114 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU049340.D

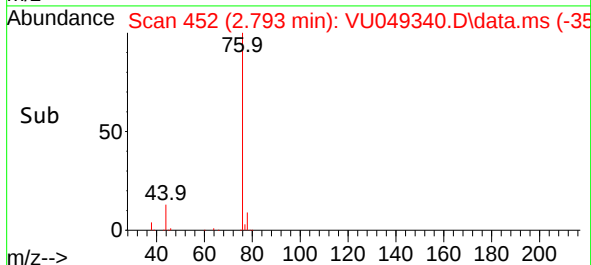
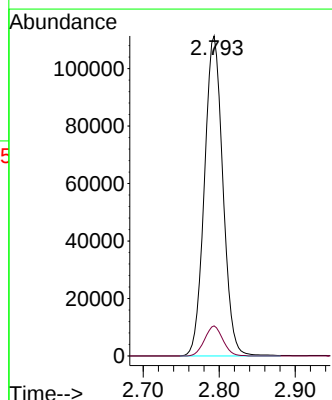
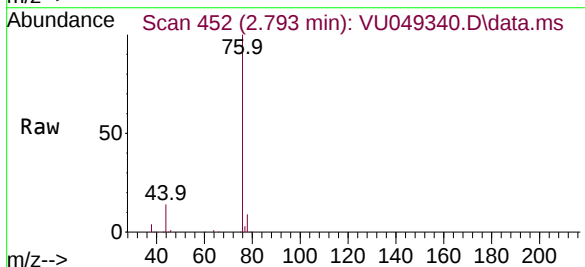
Acq: 22 Jun 2022 09:49

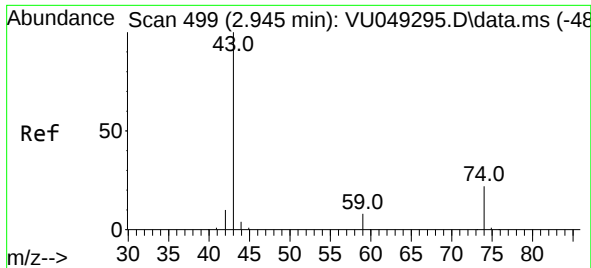
Tgt Ion: 76 Resp: 187739

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

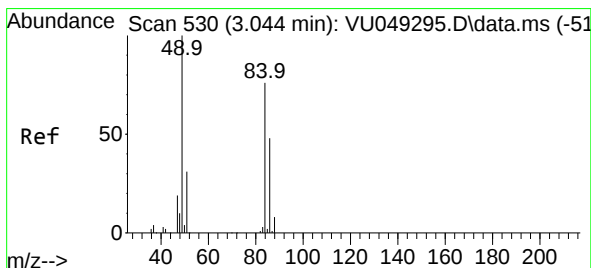
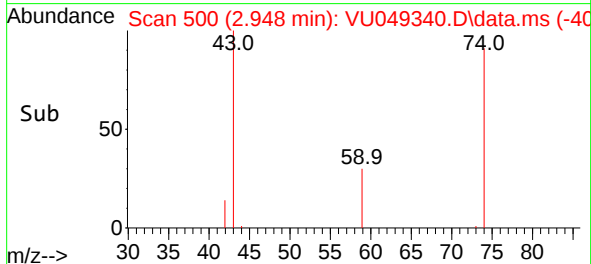
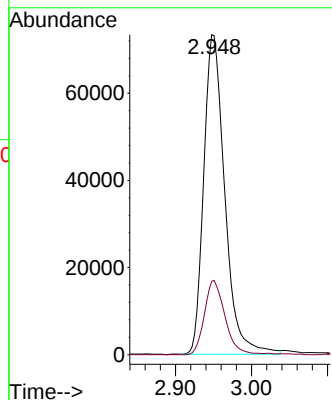
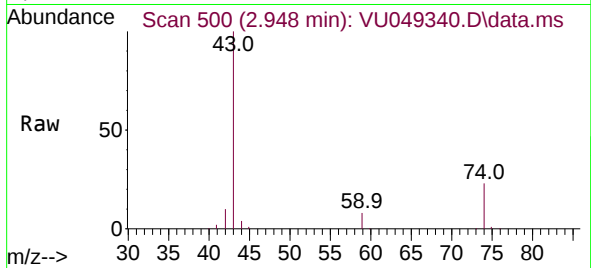




#15  
Methyl Acetate  
Concen: 51.535 ug/L  
RT: 2.948 min Scan# 50  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

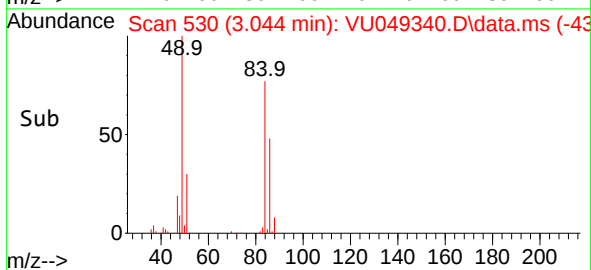
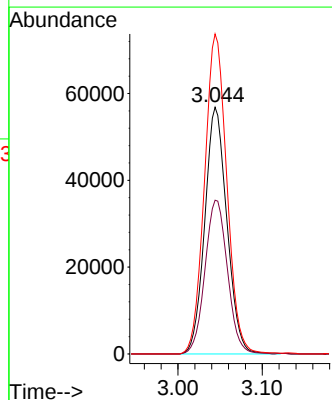
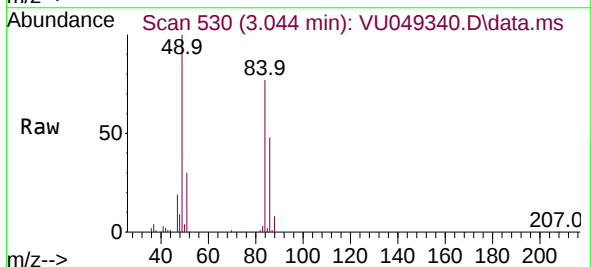
Instrument :  
MSVOA\_U  
ClientSampleId :

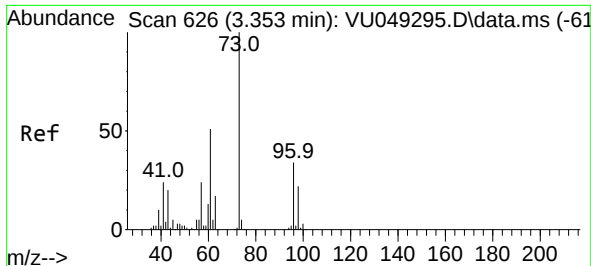
Tgt Ion: 43 Resp: 141037  
Ion Ratio Lower Upper  
43 100  
74 22.4 19.0 28.6



#16  
Methylene chloride  
Concen: 49.789 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 84 Resp: 103801  
Ion Ratio Lower Upper  
84 100  
86 62.3 45.8 85.0  
49 129.7 83.4 155.0





#17

trans-1,2-Dichloroethene

Concen: 47.231 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

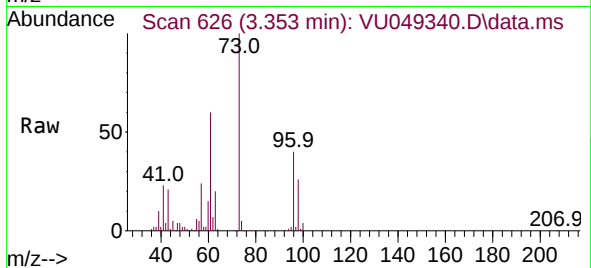
Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

ClientSampleId :



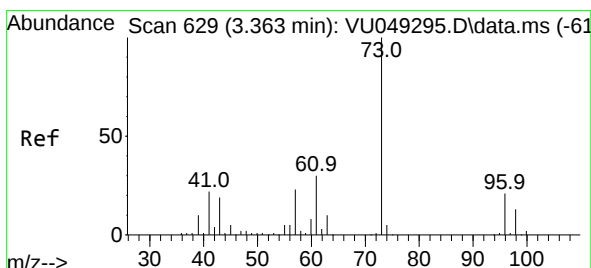
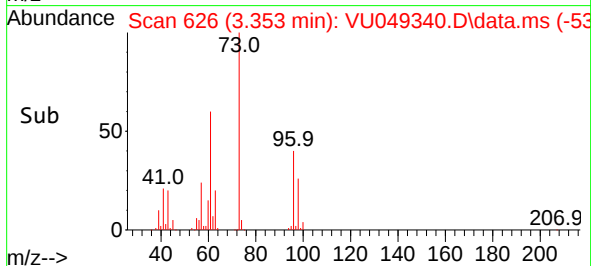
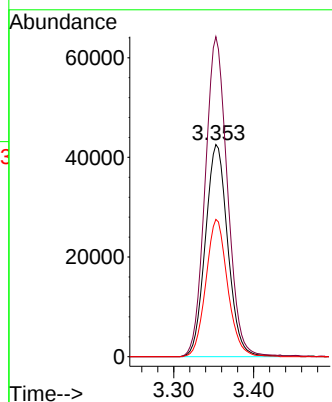
Tgt Ion: 96 Resp: 83141

Ion Ratio Lower Upper

96 100

61 150.8 99.3 184.3

98 64.7 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 48.539 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

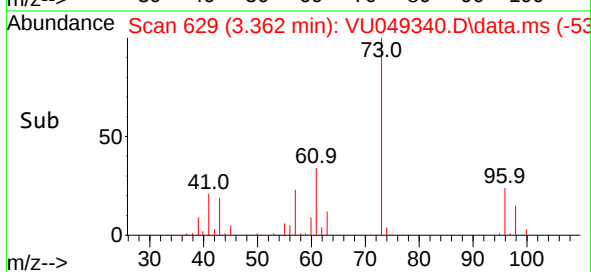
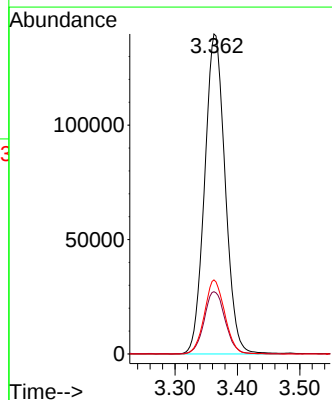
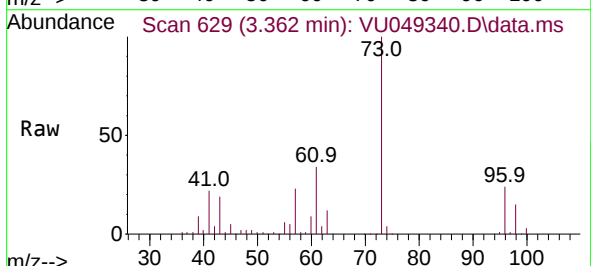
Tgt Ion: 73 Resp: 319639

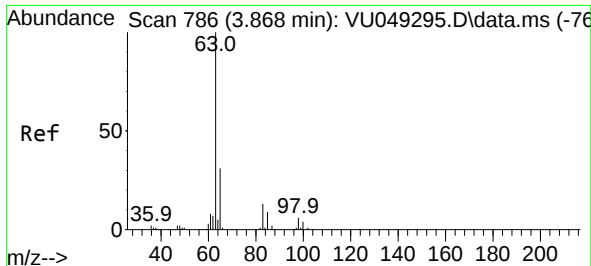
Ion Ratio Lower Upper

73 100

43 20.1 15.0 22.4

57 22.9 17.3 25.9





#19

1,1-Dichloroethane

Concen: 48.873 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

ClientSampleId :

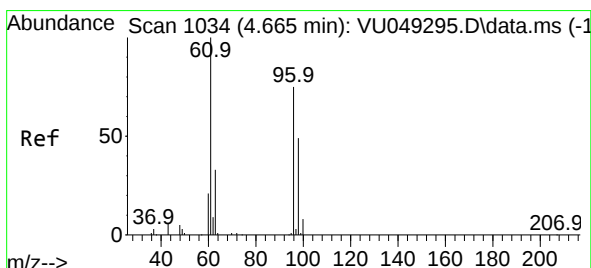
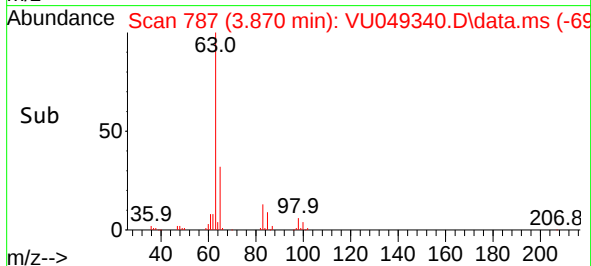
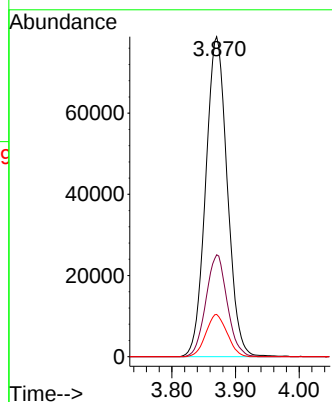
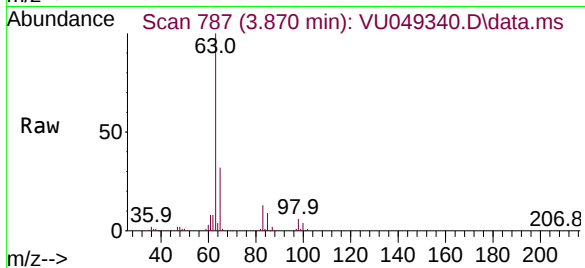
Tgt Ion: 63 Resp: 185336

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 47.729 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

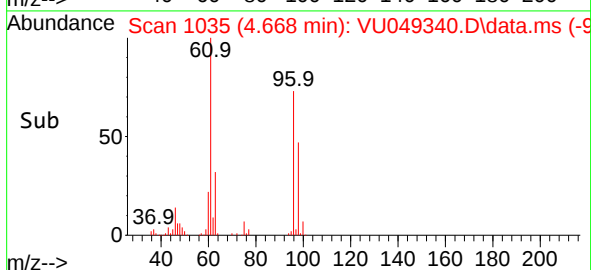
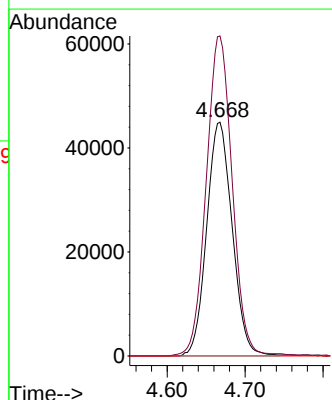
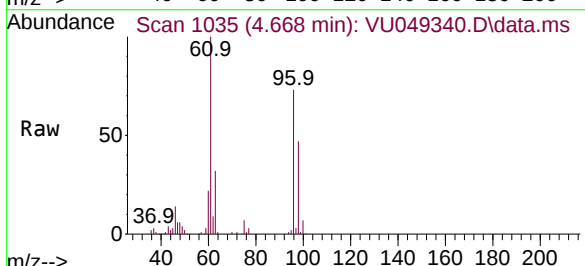
Tgt Ion: 96 Resp: 102215

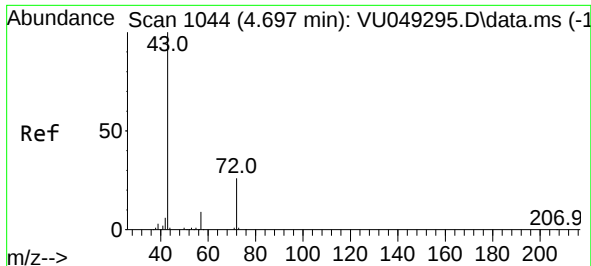
Ion Ratio Lower Upper

96 100

61 136.8 91.6 170.2

68 0.0 0.0 0.0

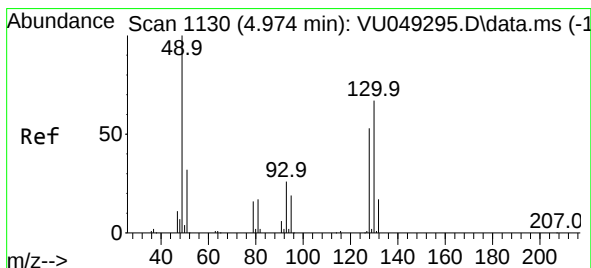
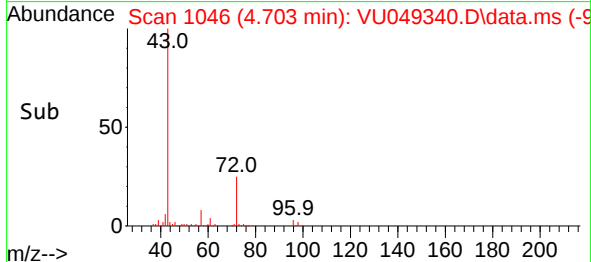
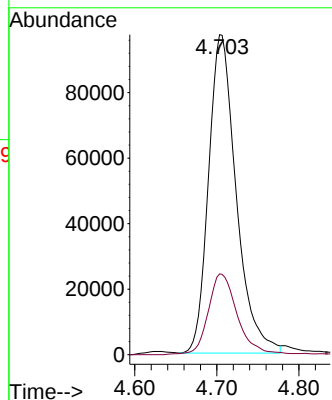
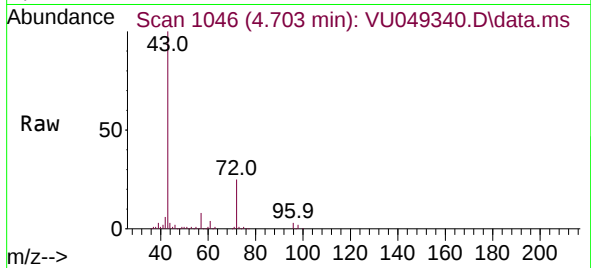




#22  
2-Butanone  
Concen: 107.348 ug/L  
RT: 4.703 min Scan# 1104  
Delta R.T. 0.006 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

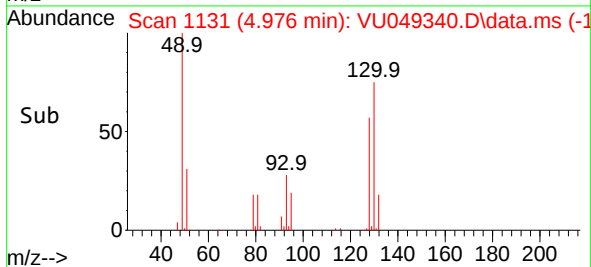
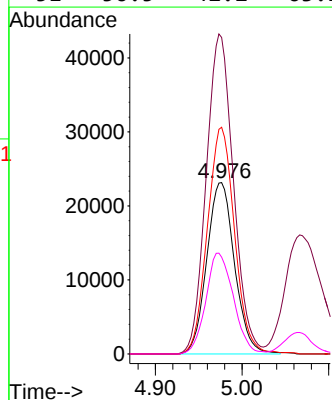
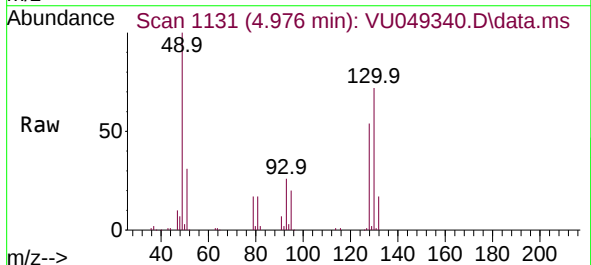
Instrument :  
MSVOA\_U  
ClientSampleId :

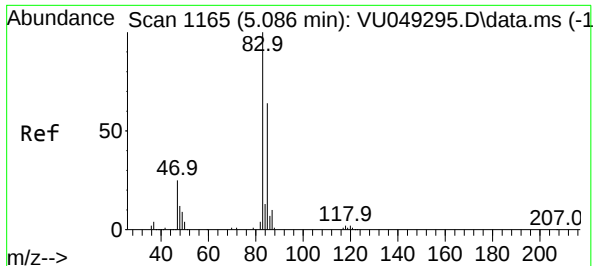
Tgt Ion: 43 Resp: 227624  
Ion Ratio Lower Upper  
43 100  
72 26.8 13.7 41.0



#23  
Bromochloromethane  
Concen: 45.874 ug/L  
RT: 4.976 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:128 Resp: 51563  
Ion Ratio Lower Upper  
128 100  
49 184.7 111.9 207.9  
130 132.3 88.6 164.6  
51 56.5 42.2 63.2

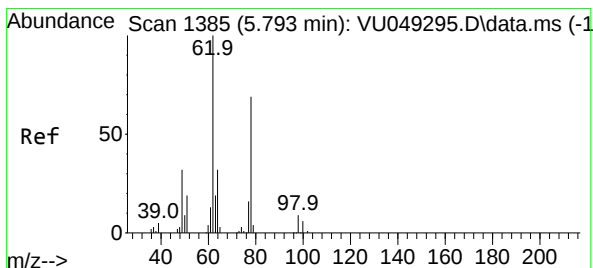
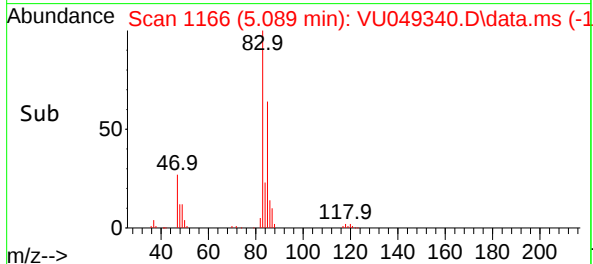
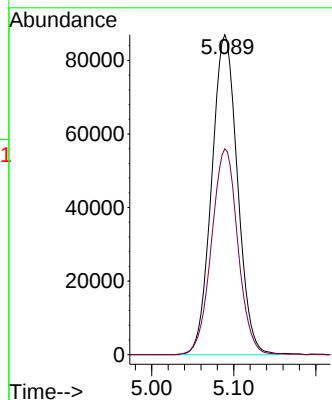
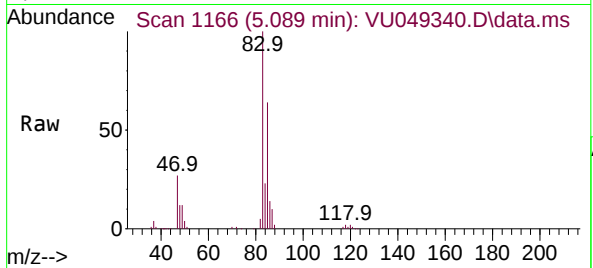




#25  
Chloroform  
Concen: 48.100 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

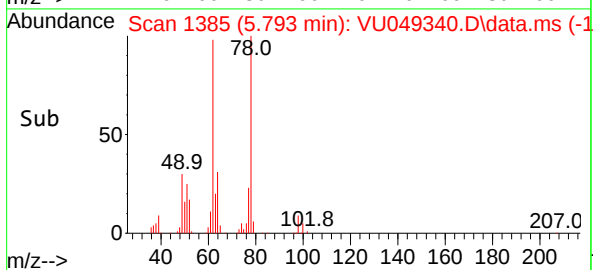
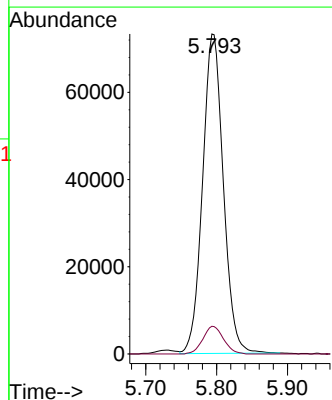
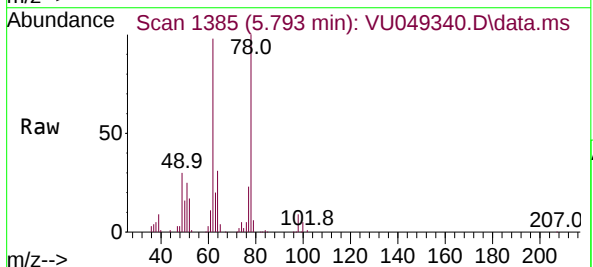
Instrument :  
MSVOA\_U  
ClientSampleId :

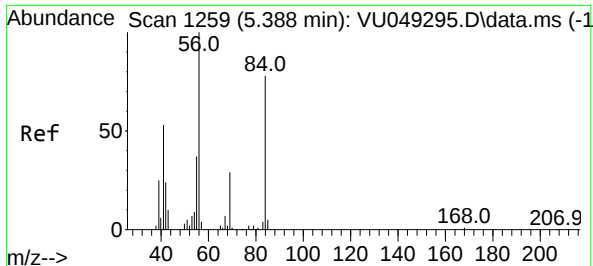
Tgt Ion: 83 Resp: 190099  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 46.292 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 62 Resp: 148933  
Ion Ratio Lower Upper  
62 100  
98 8.7 7.0 10.4





#29

Cyclohexane

Concen: 55.673 ug/L

RT: 5.391 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

ClientSampleId :

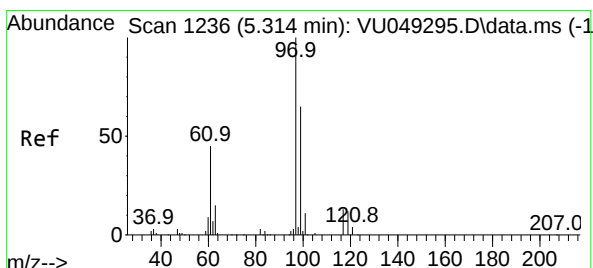
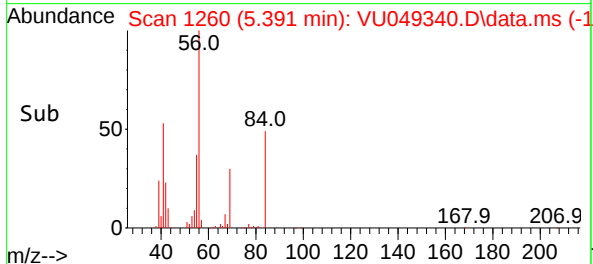
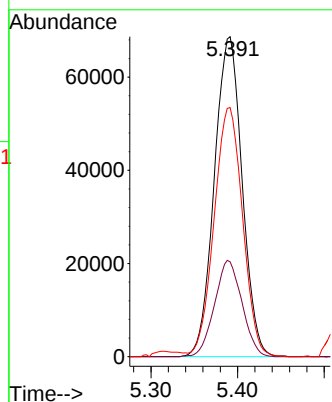
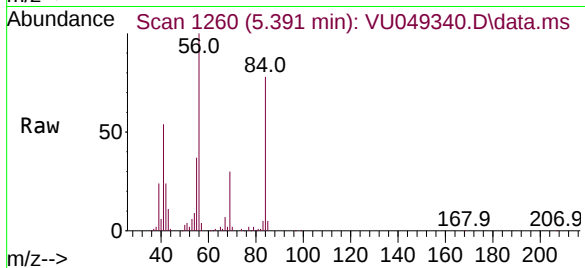
Tgt Ion: 56 Resp: 153277

Ion Ratio Lower Upper

56 100

69 29.7 24.6 36.8

84 79.7 69.7 104.5



#30

1,1,1-Trichloroethane

Concen: 47.268 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

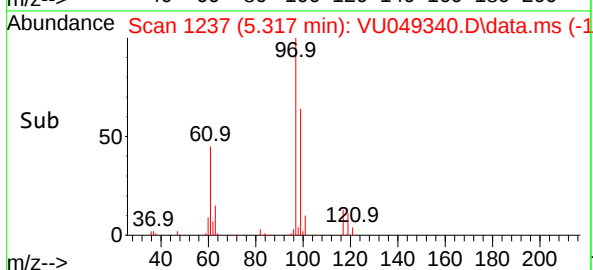
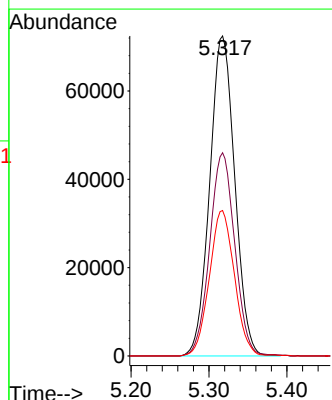
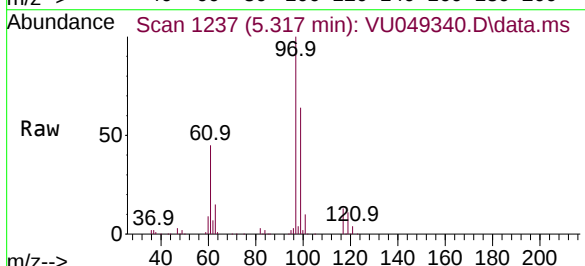
Tgt Ion: 97 Resp: 162167

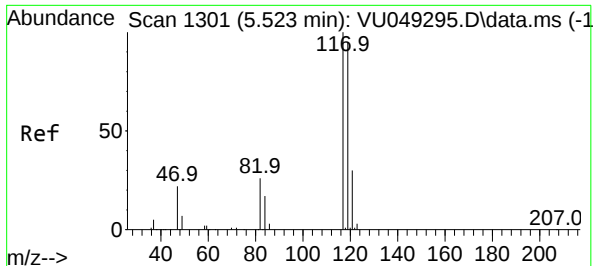
Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

61 45.5 34.2 51.2

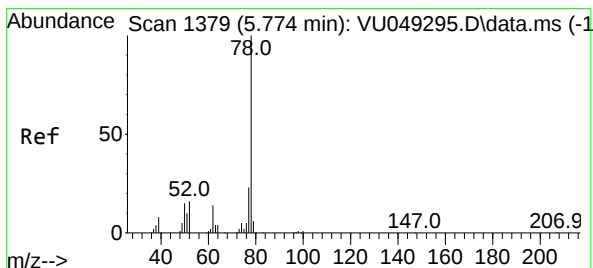
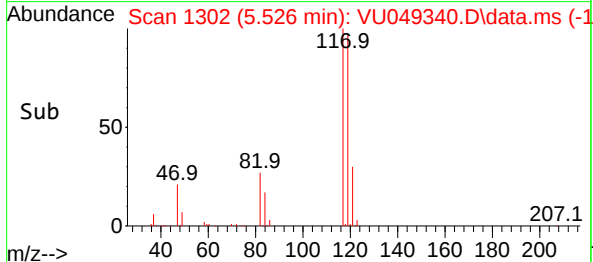
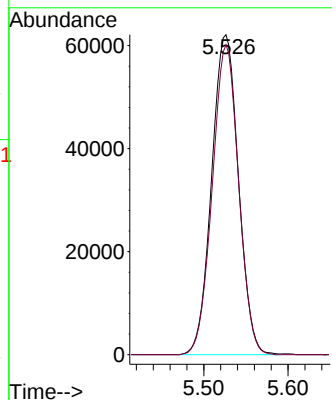
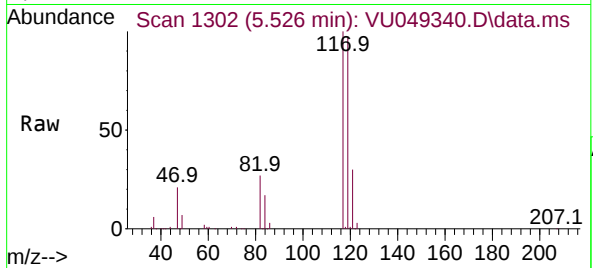




#31  
Carbon tetrachloride  
Concen: 45.666 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

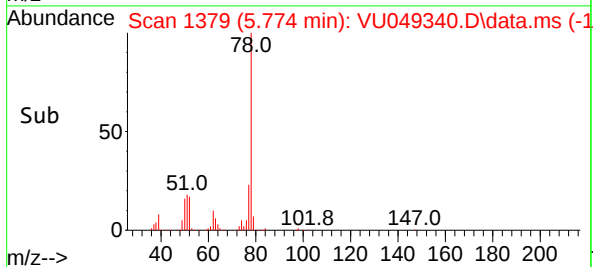
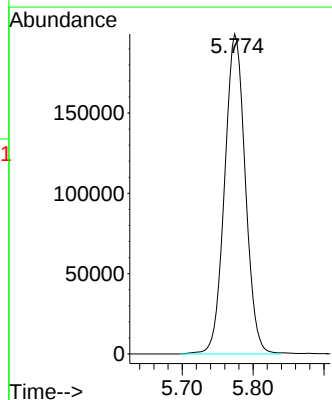
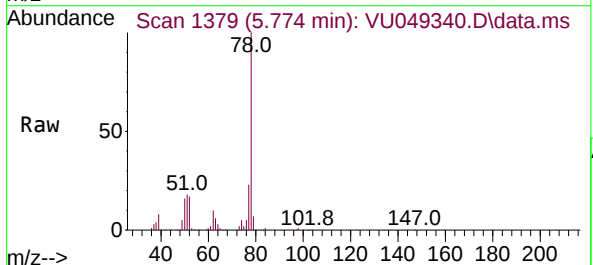
Instrument :  
MSVOA\_U  
ClientSampleId :

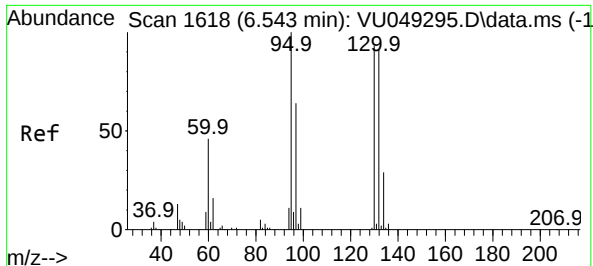
Tgt Ion:117 Resp: 137020  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.5 114.7



#33  
Benzene  
Concen: 50.740 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

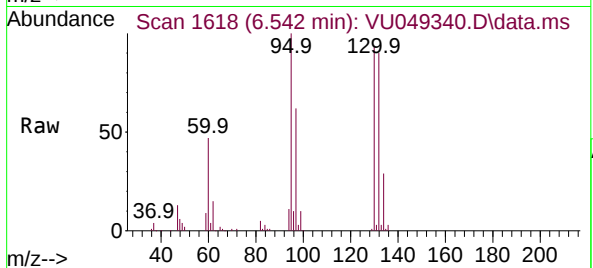
Tgt Ion: 78 Resp: 404403



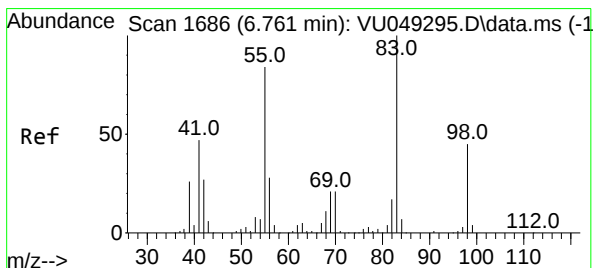
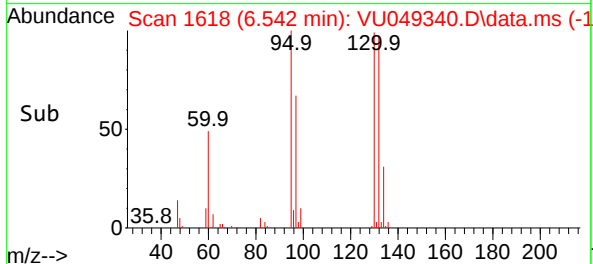
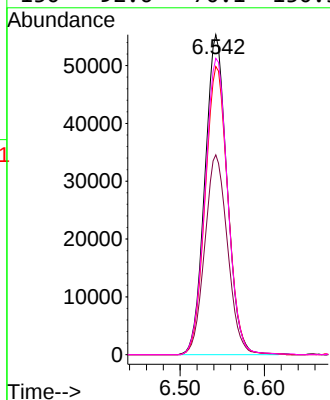


#34  
Trichloroethene  
Concen: 50.419 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :

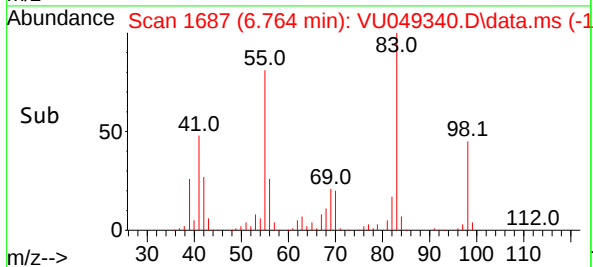
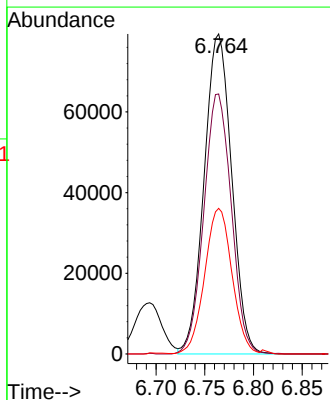
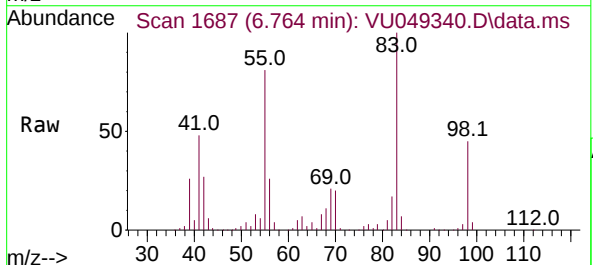


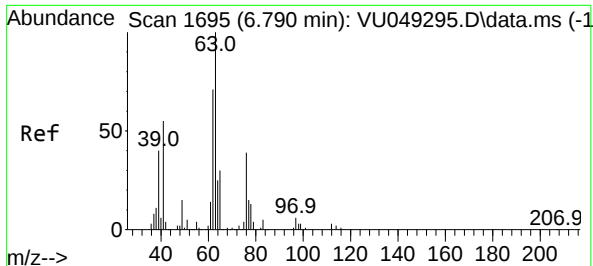
Tgt Ion: 95 Resp: 101291  
Ion Ratio Lower Upper  
95 100  
97 62.5 45.4 84.4  
132 90.1 67.6 125.6  
130 92.6 70.1 130.3



#35  
Methylcyclohexane  
Concen: 55.633 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 83 Resp: 156009  
Ion Ratio Lower Upper  
83 100  
55 81.1 61.0 91.6  
98 45.2 36.8 55.2





#37

1,2-Dichloropropane

Concen: 51.535 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

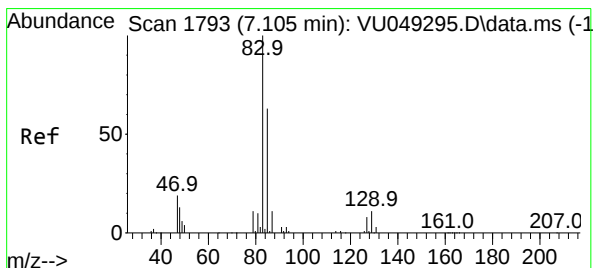
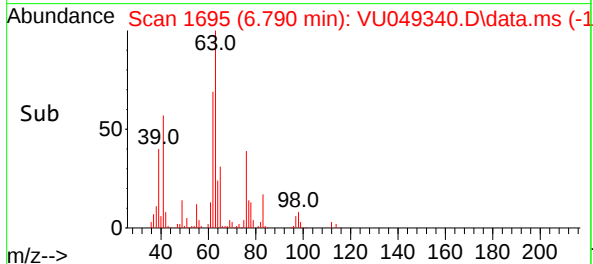
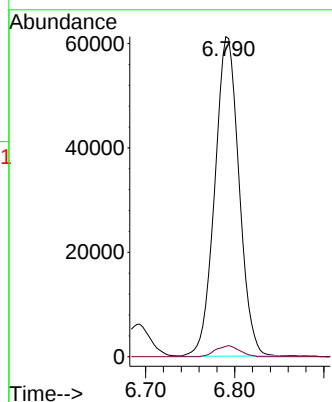
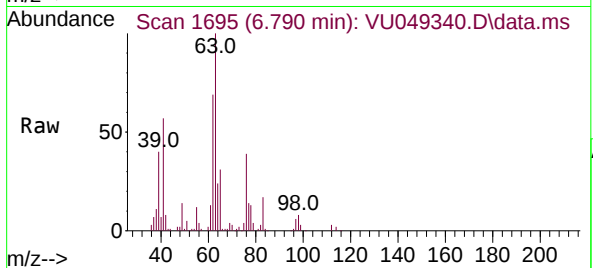
ClientSampleId :

Tgt Ion: 63 Resp: 115824

Ion Ratio Lower Upper

63 100

112 3.4 3.2 4.8



#38

Bromodichloromethane

Concen: 49.090 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

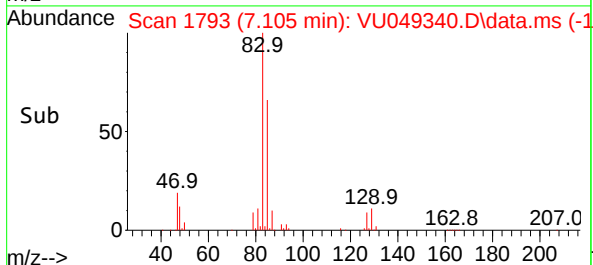
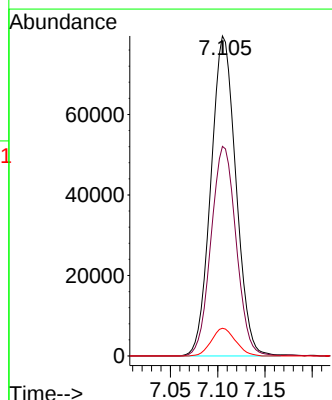
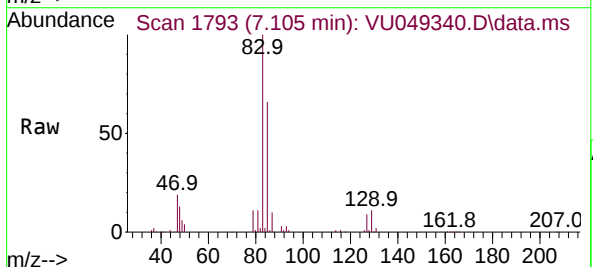
Tgt Ion: 83 Resp: 146483

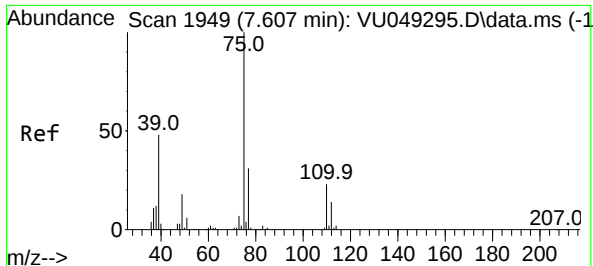
Ion Ratio Lower Upper

83 100

85 65.5 44.0 81.6

127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 52.704 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

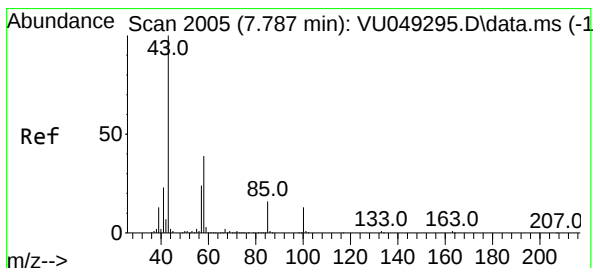
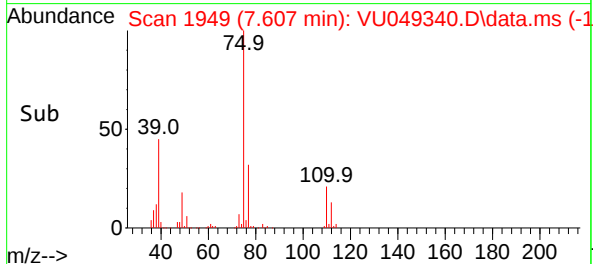
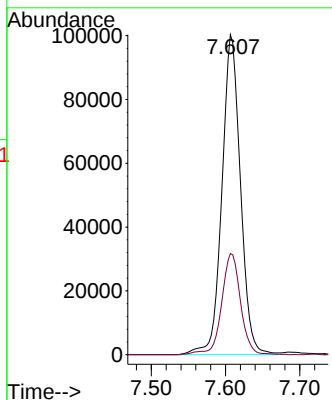
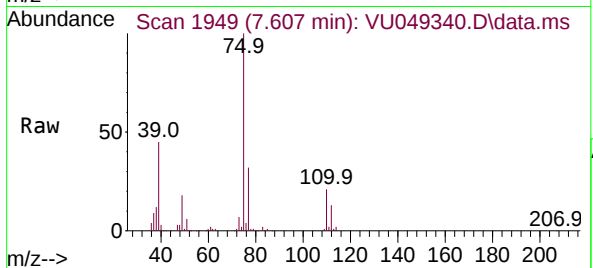
ClientSampleId :

Tgt Ion: 75 Resp: 174295

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 106.306 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

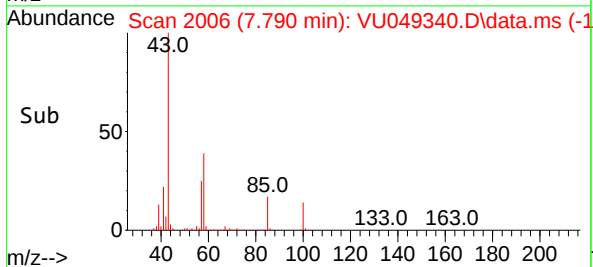
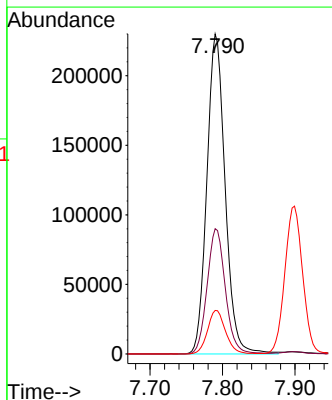
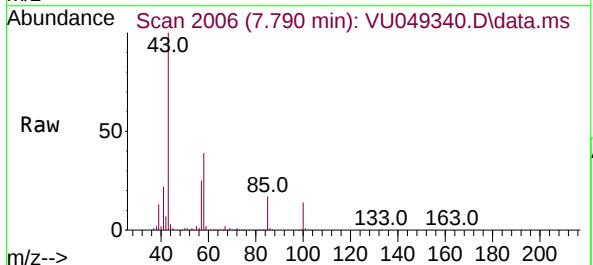
Tgt Ion: 43 Resp: 402527

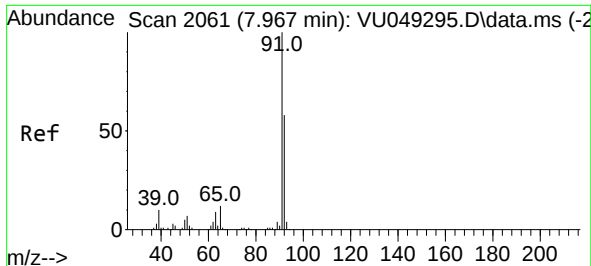
Ion Ratio Lower Upper

43 100

58 39.2 32.2 48.4

100 13.5 12.3 18.5





#42

Toluene

Concen: 52.090 ug/L

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

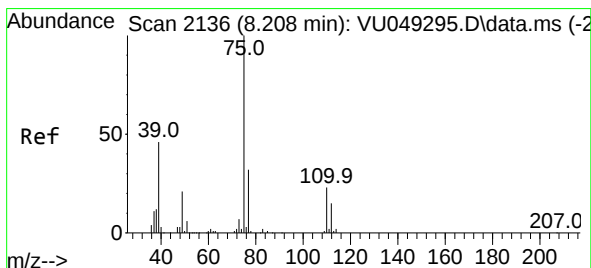
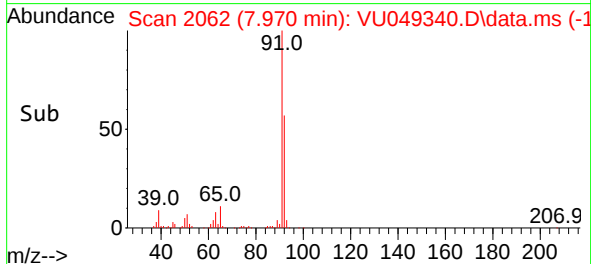
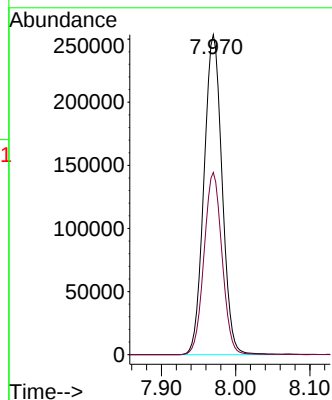
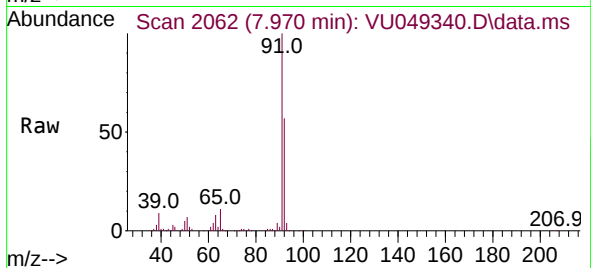
ClientSampleId :

Tgt Ion: 91 Resp: 429113

Ion Ratio Lower Upper

91 100

92 57.0 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 51.279 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU049340.D

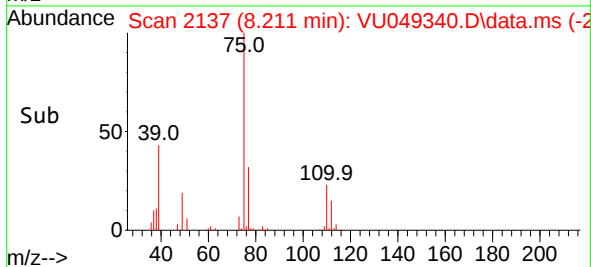
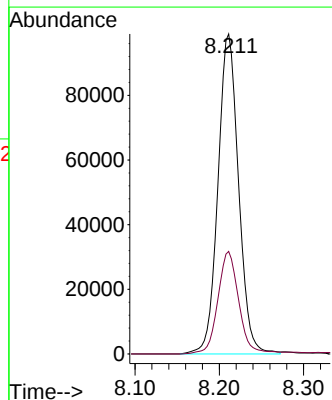
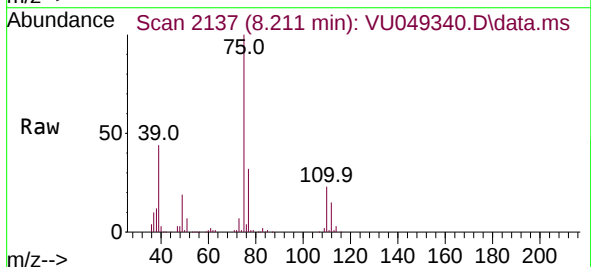
Acq: 22 Jun 2022 09:49

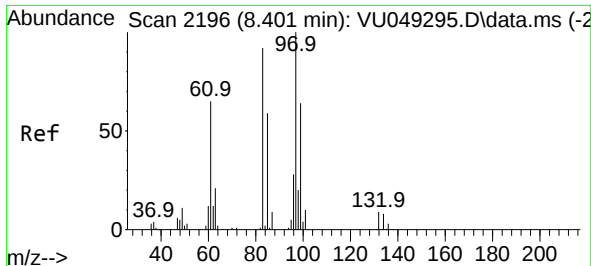
Tgt Ion: 75 Resp: 167921

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



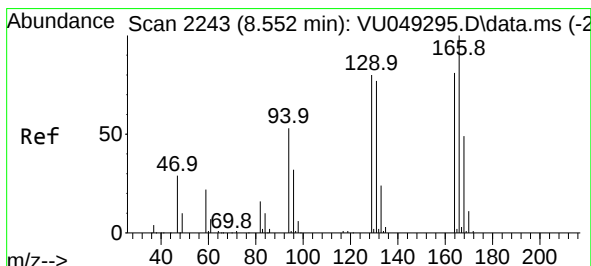
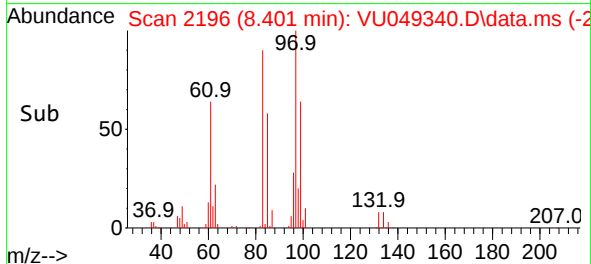
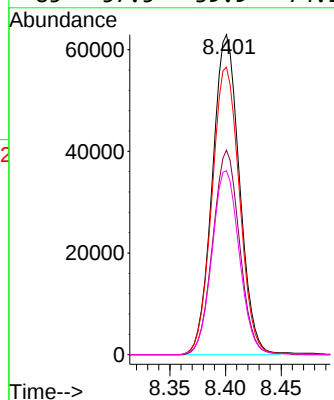
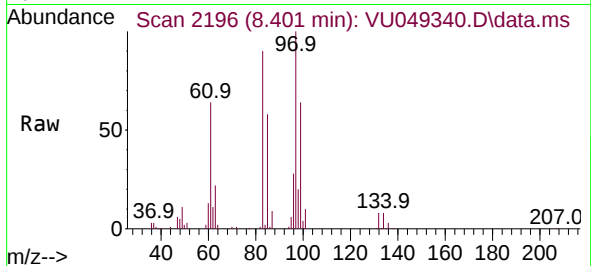


#45  
1,1,2-Trichloroethane  
Concen: 48.984 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 106678

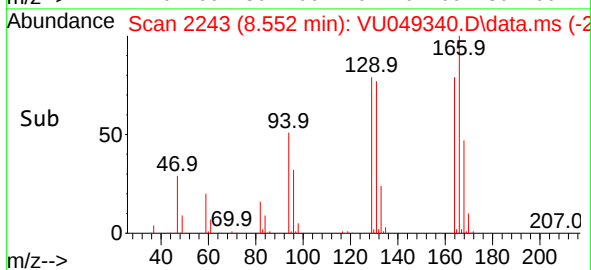
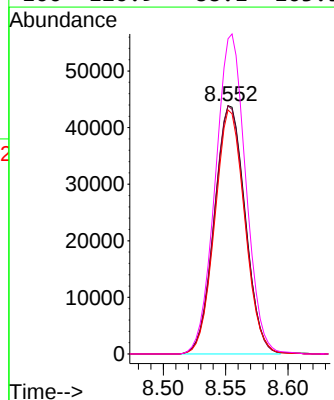
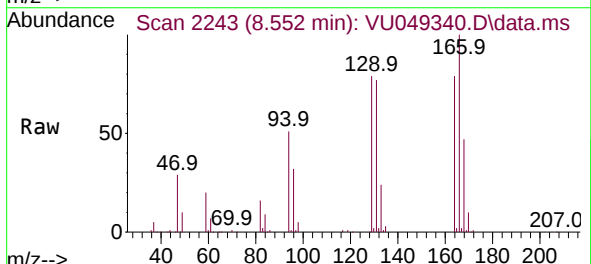
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.9  | 43.5  | 80.9  |
| 83  | 89.8  | 60.3  | 112.1 |
| 85  | 57.5  | 39.9  | 74.1  |

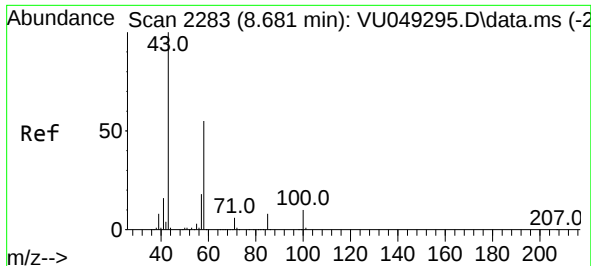


#46  
Tetrachloroethene  
Concen: 48.390 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 164 Resp: 75368

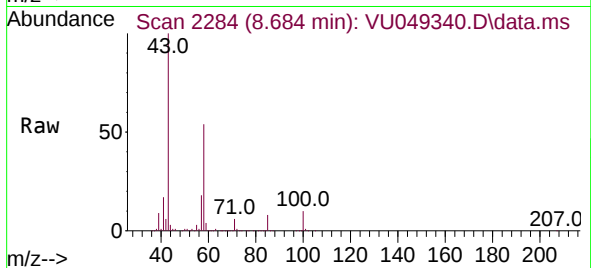
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.9  | 70.9  | 131.7 |
| 131 | 98.3  | 66.2  | 123.0 |
| 166 | 126.9 | 88.1  | 163.5 |



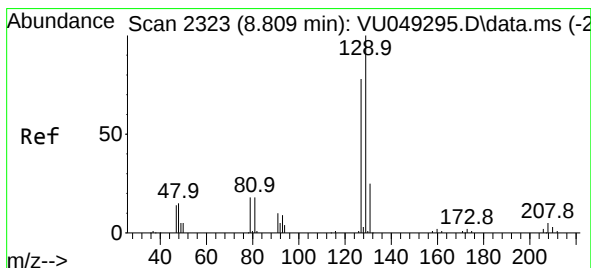
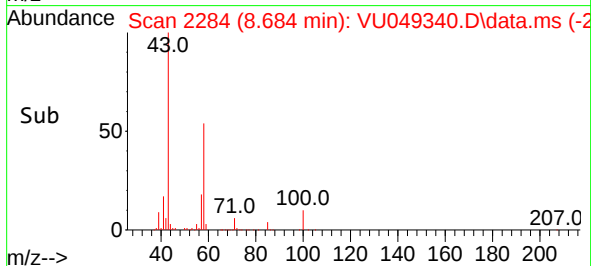
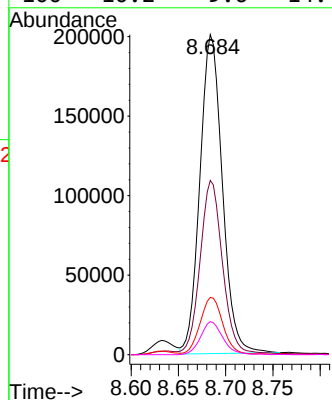


#48  
2-Hexanone  
Concen: 107.612 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :

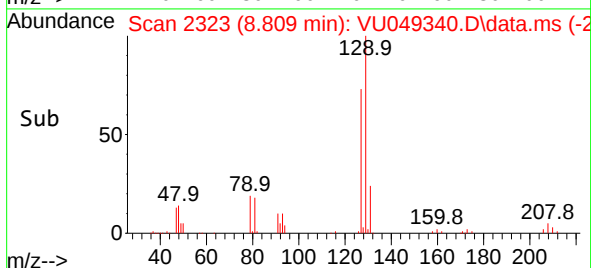
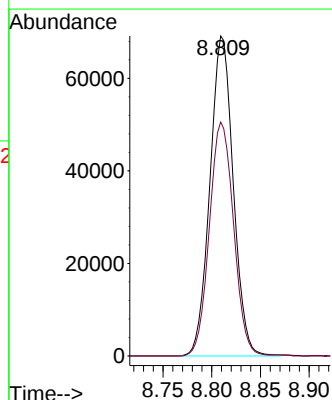
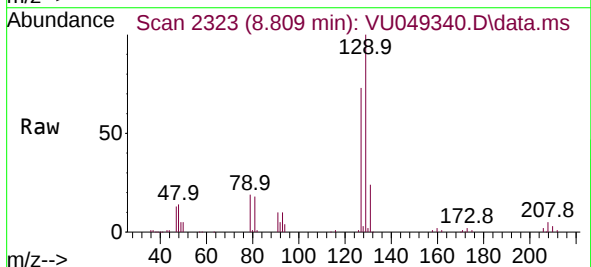


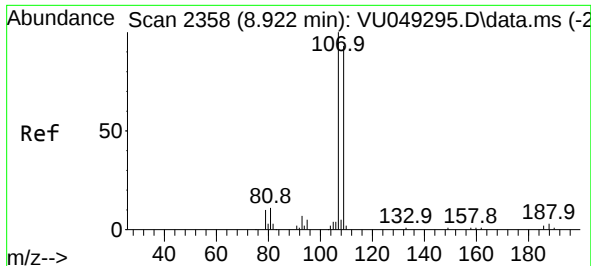
Tgt Ion: 43 Resp: 331258  
Ion Ratio Lower Upper  
43 100  
58 54.5 45.8 68.8  
57 17.7 16.2 24.4  
100 10.2 9.6 14.4



#49  
Dibromochloromethane  
Concen: 47.501 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 129 Resp: 115182  
Ion Ratio Lower Upper  
129 100  
127 73.1 53.5 99.5





#50

1,2-Dibromoethane

Concen: 50.199 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

ClientSampleId :

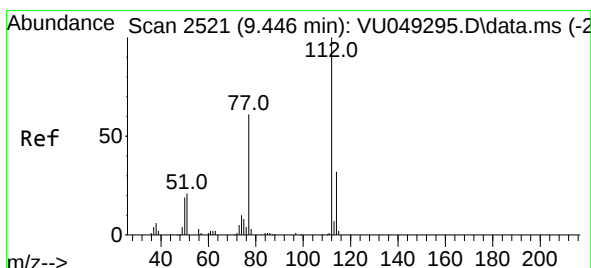
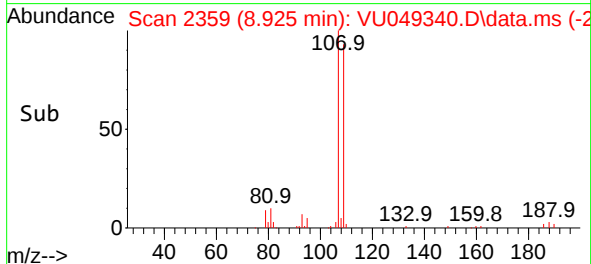
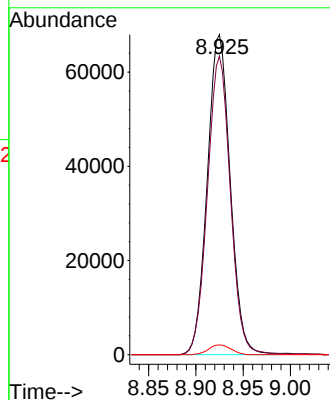
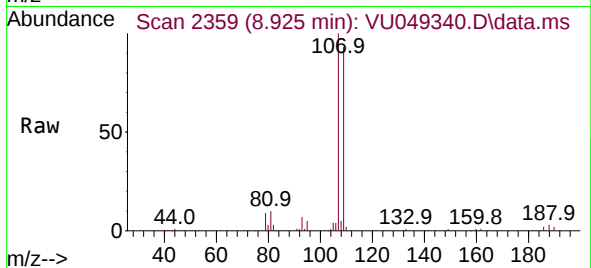
Tgt Ion:107 Resp: 115010

Ion Ratio Lower Upper

107 100

109 93.3 67.2 124.8

188 3.1 2.7 4.1



#51

Chlorobenzene

Concen: 48.375 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

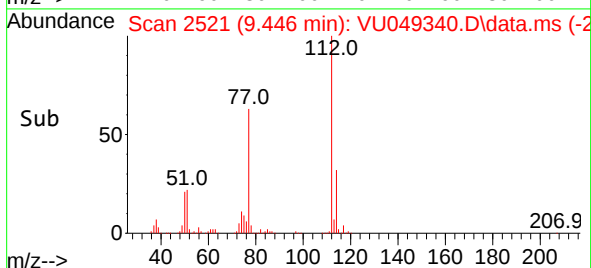
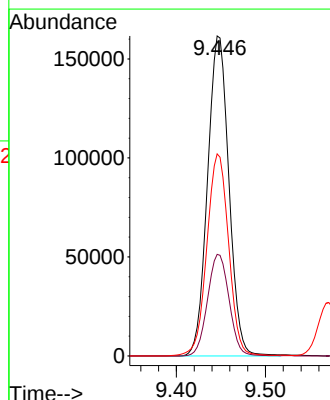
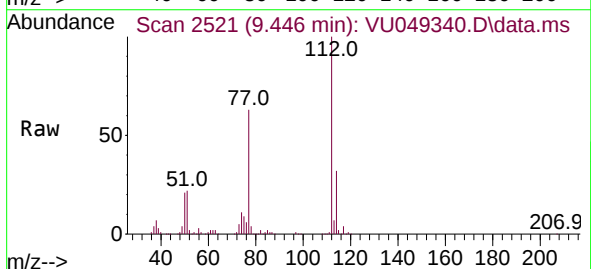
Tgt Ion:112 Resp: 269383

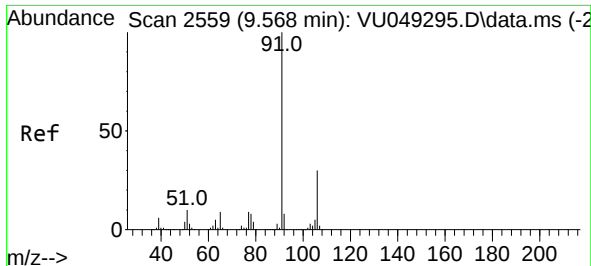
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.3

77 63.1 47.1 70.7

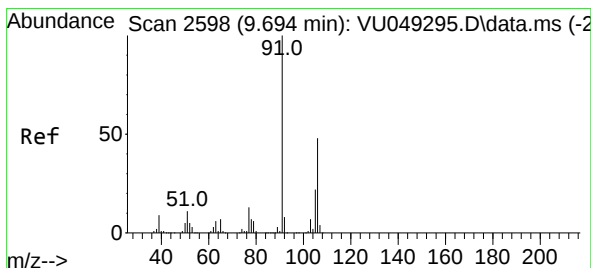
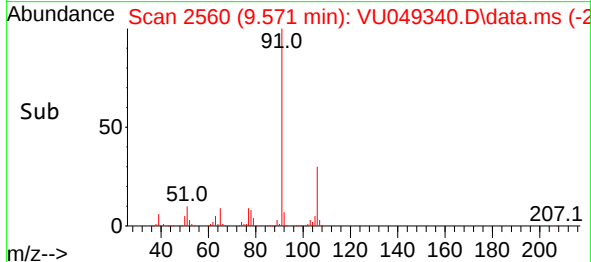
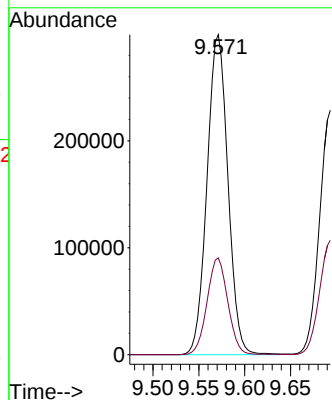
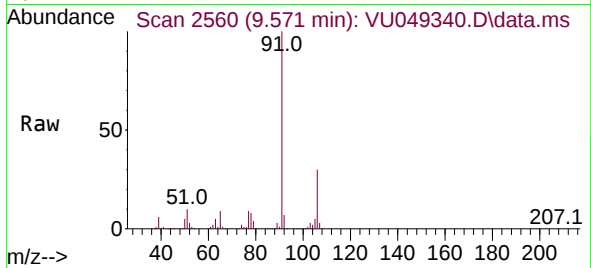




#52  
Ethylbenzene  
Concen: 52.970 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

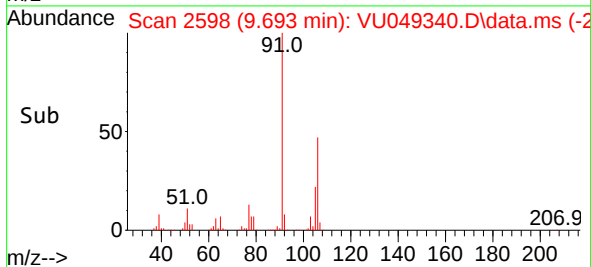
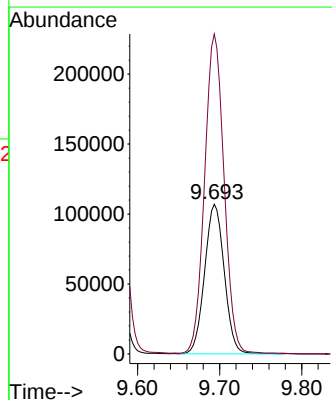
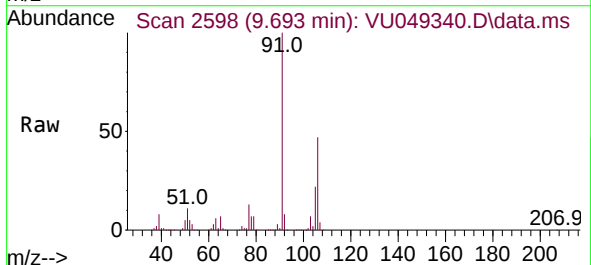
Instrument :  
MSVOA\_U  
ClientSampleId :

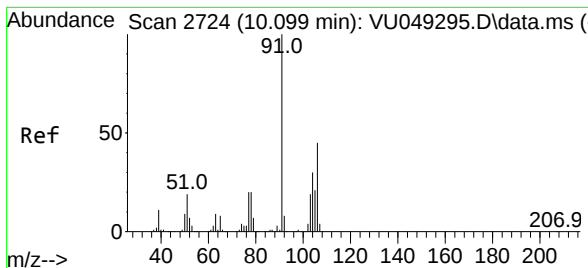
Tgt Ion: 91 Resp: 474445  
Ion Ratio Lower Upper  
91 100  
106 30.2 21.6 40.2



#53  
m,p-Xylene  
Concen: 50.535 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:106 Resp: 177747  
Ion Ratio Lower Upper  
106 100  
91 213.7 137.4 255.2





#54

o-Xylene

Concen: 49.095 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

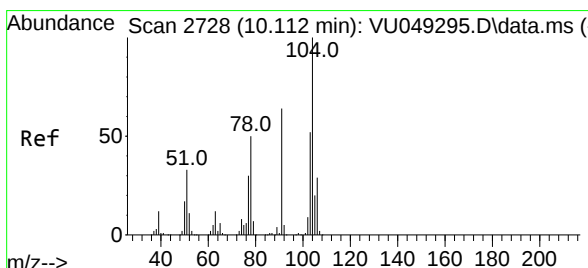
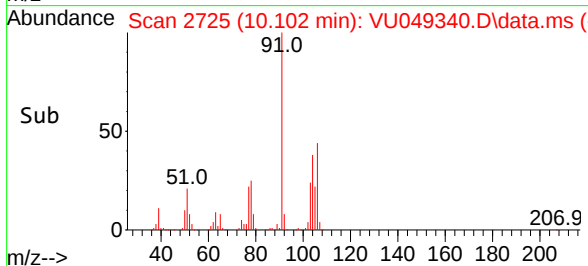
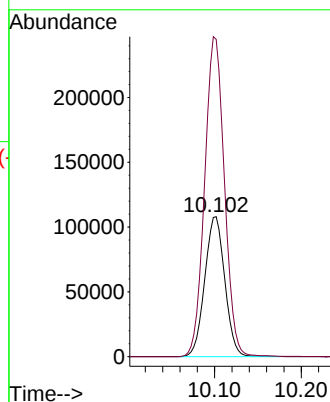
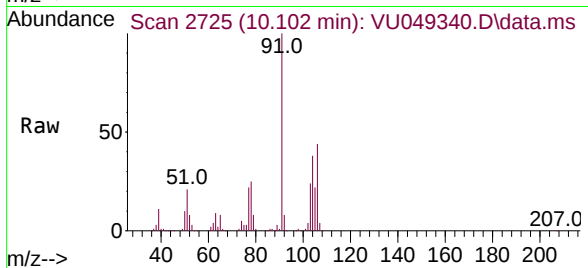
ClientSampleId :

Tgt Ion:106 Resp: 173982

Ion Ratio Lower Upper

106 100

91 226.8 145.2 269.6



#55

Styrene

Concen: 51.451 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU049340.D

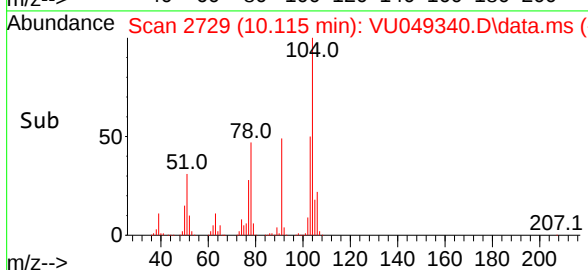
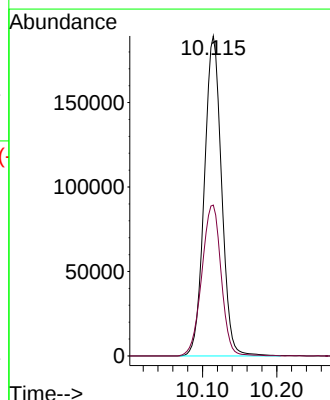
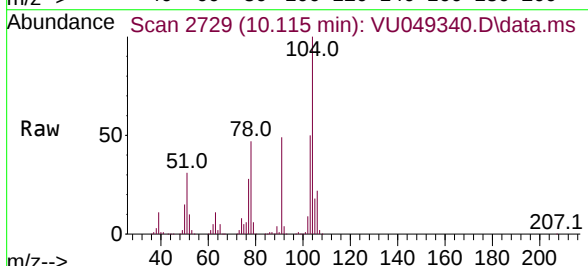
Acq: 22 Jun 2022 09:49

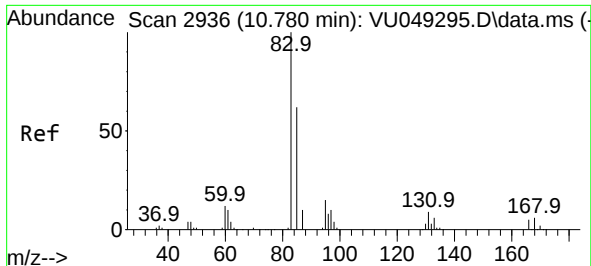
Tgt Ion:104 Resp: 304484

Ion Ratio Lower Upper

104 100

78 47.1 32.6 60.6

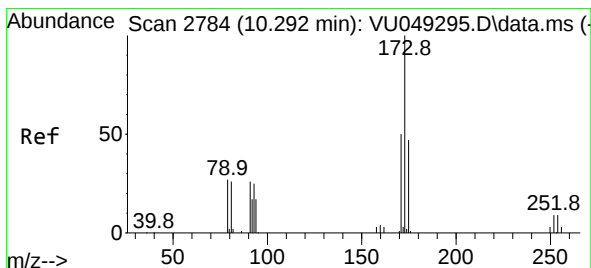
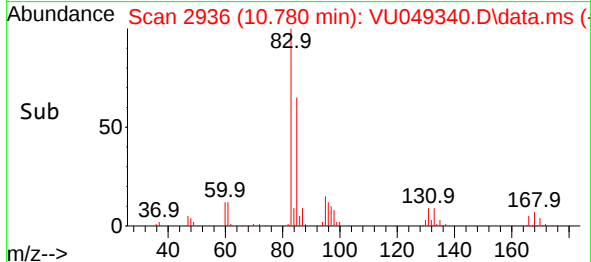
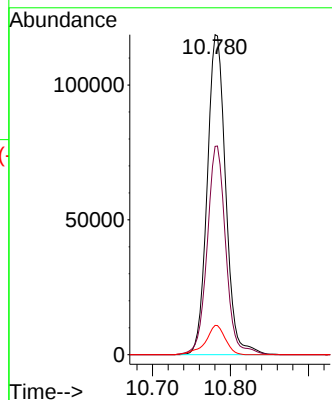
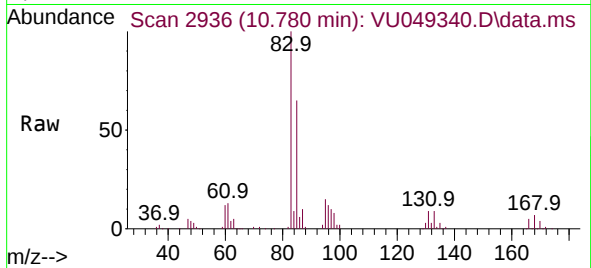




#57  
1,1,2,2-Tetrachloroethane  
Concen: 48.103 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

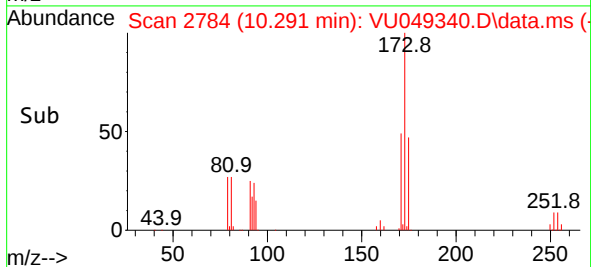
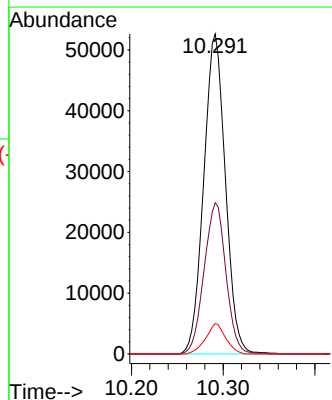
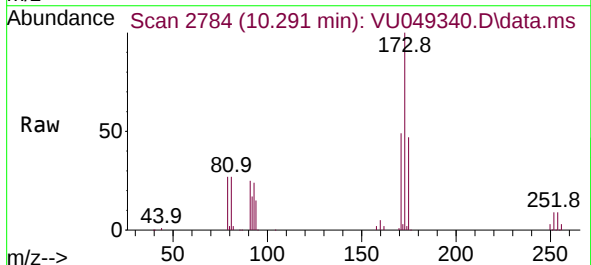
Instrument :  
MSVOA\_U  
ClientSampleId :

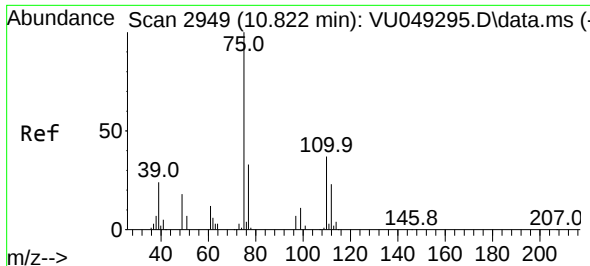
Tgt Ion: 83 Resp: 195226  
Ion Ratio Lower Upper  
83 100  
85 65.1 44.5 82.7  
131 9.2 7.6 11.4



#59  
Bromoform  
Concen: 44.719 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:173 Resp: 86310  
Ion Ratio Lower Upper  
173 100  
175 47.6 37.8 56.8  
254 8.8 7.2 10.8

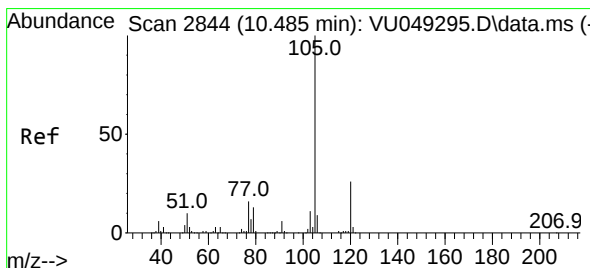
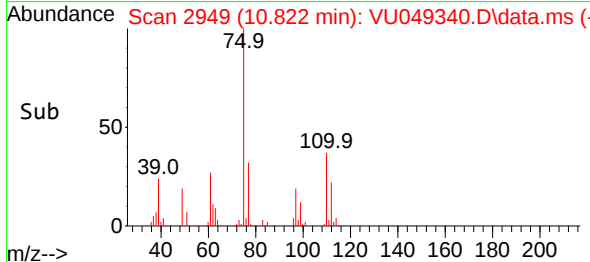
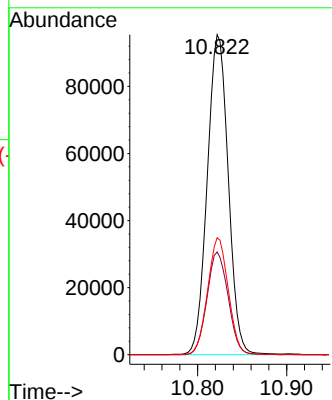
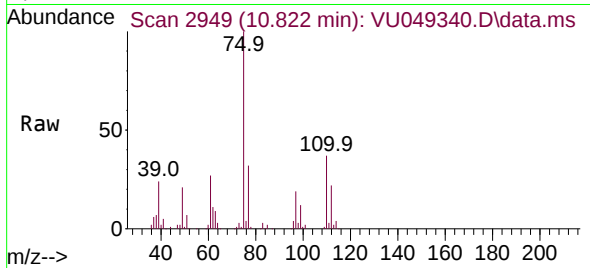




#60  
1,2,3-Trichloropropane  
Concen: 47.043 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

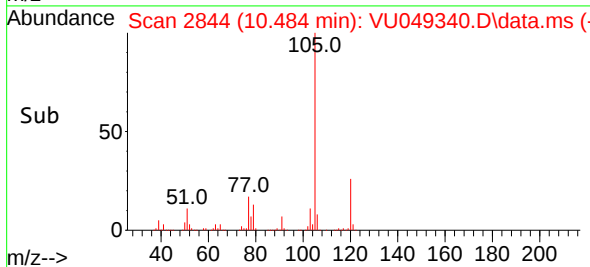
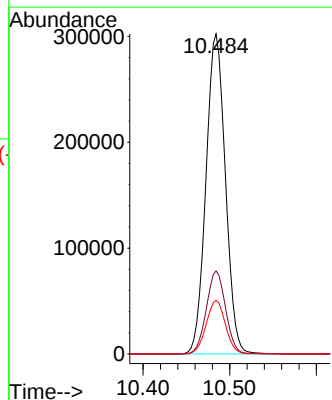
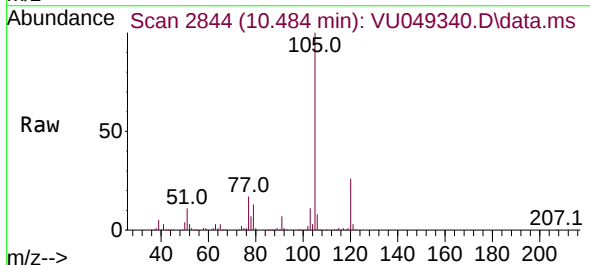
Instrument :  
MSVOA\_U  
ClientSampleId :

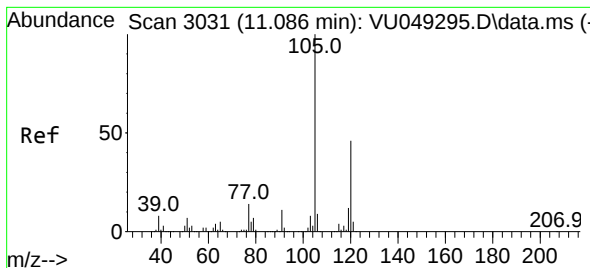
Tgt Ion: 75 Resp: 156057  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.6 40.0  
110 35.9 30.2 45.4



#61  
Isopropylbenzene  
Concen: 53.041 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion: 105 Resp: 471193  
Ion Ratio Lower Upper  
105 100  
120 25.7 21.1 31.7  
77 16.6 12.7 19.1





#62

1,3,5-Trimethylbenzene

Concen: 54.236 ug/L

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

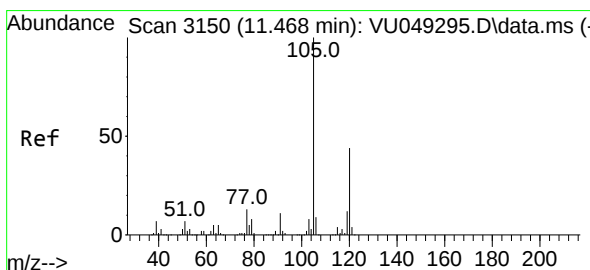
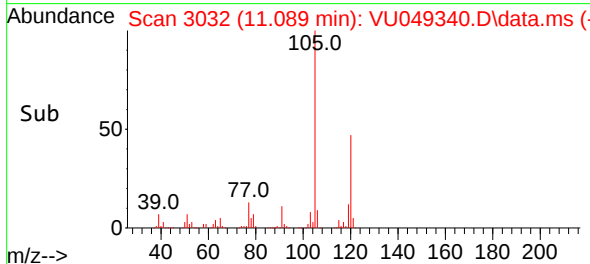
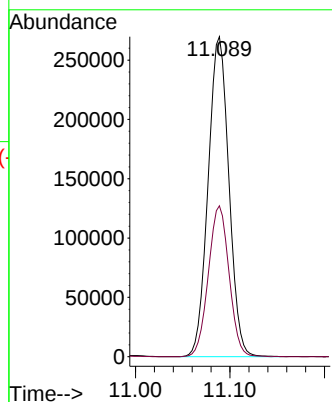
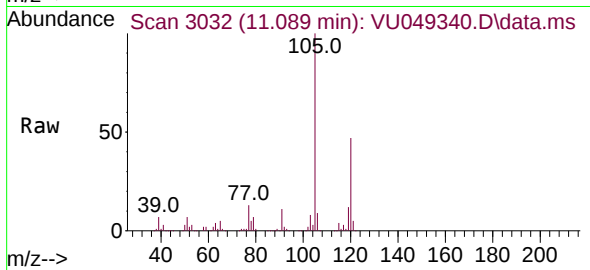
ClientSampleId :

Tgt Ion:105 Resp: 411344

Ion Ratio Lower Upper

105 100

120 47.1 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 53.453 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049340.D

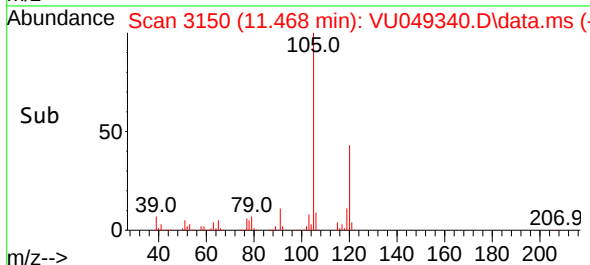
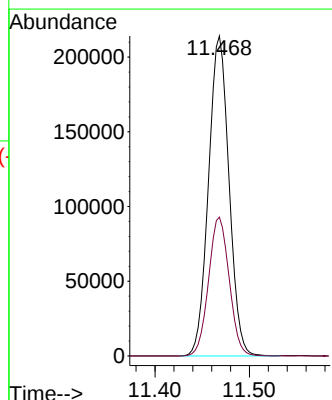
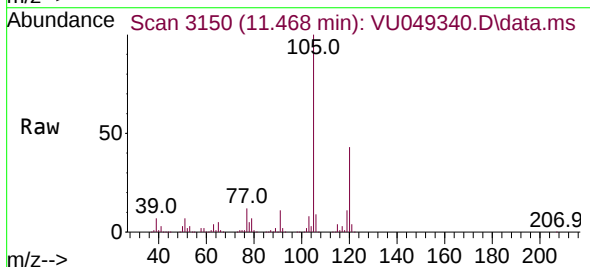
Acq: 22 Jun 2022 09:49

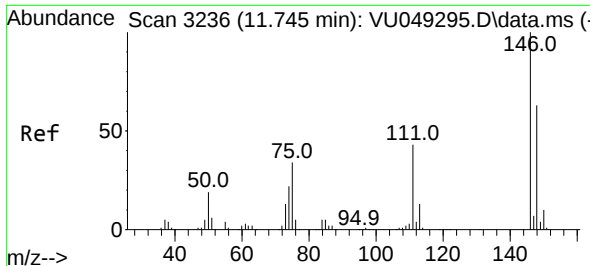
Tgt Ion:105 Resp: 322759

Ion Ratio Lower Upper

105 100

120 43.6 36.3 54.5

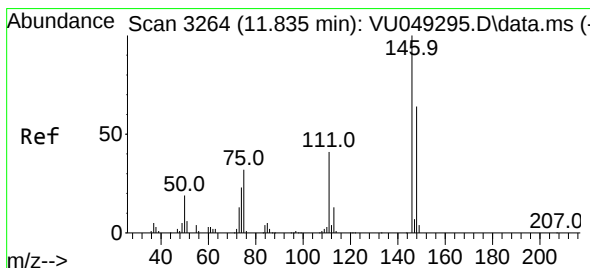
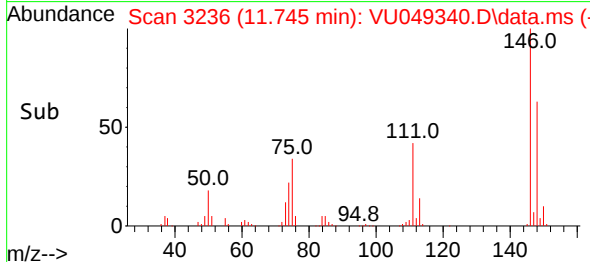
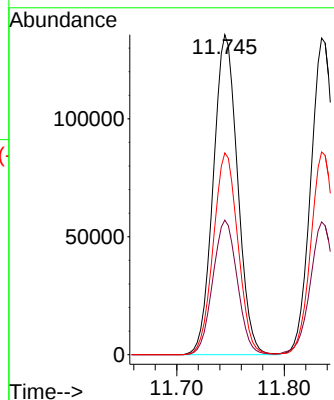
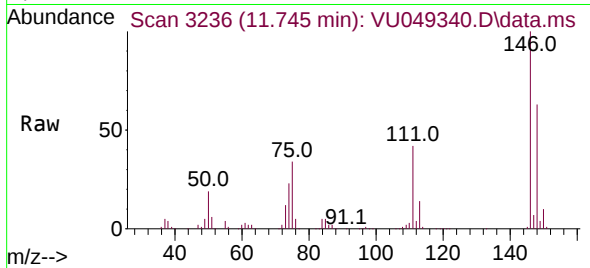




#64  
1,3-Dichlorobenzene  
Concen: 49.003 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

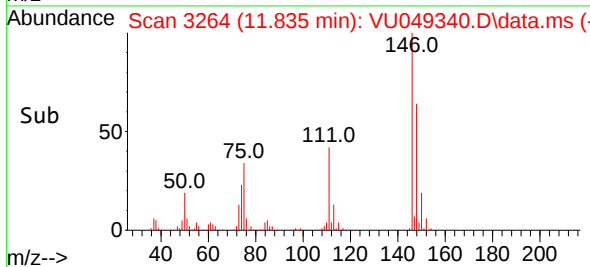
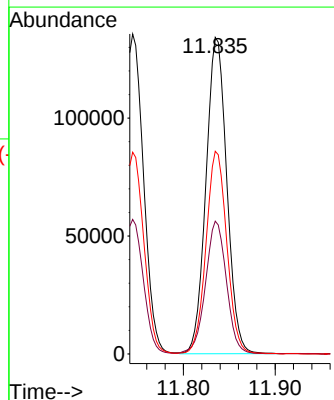
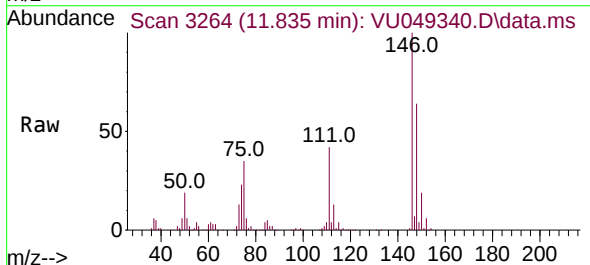
Instrument :  
MSVOA\_U  
ClientSampleId :

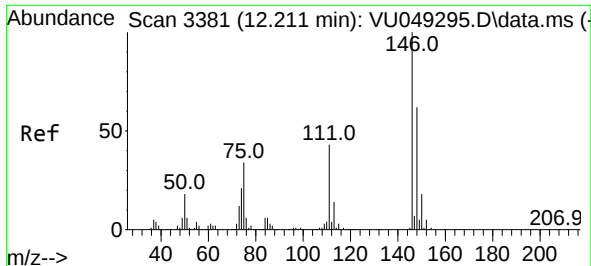
Tgt Ion:146 Resp: 213541  
Ion Ratio Lower Upper  
146 100  
111 42.1 29.8 55.3  
148 63.1 45.8 85.0



#65  
1,4-Dichlorobenzene  
Concen: 48.003 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:146 Resp: 211792  
Ion Ratio Lower Upper  
146 100  
111 42.0 28.1 52.1  
148 64.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 47.120 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

Instrument :

MSVOA\_U

ClientSampleId :

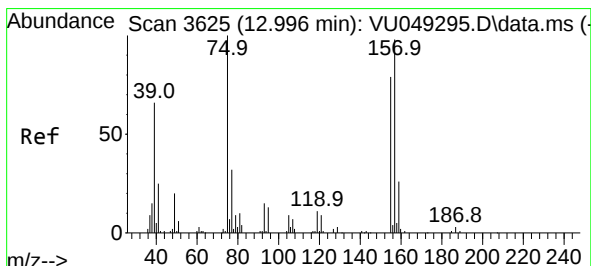
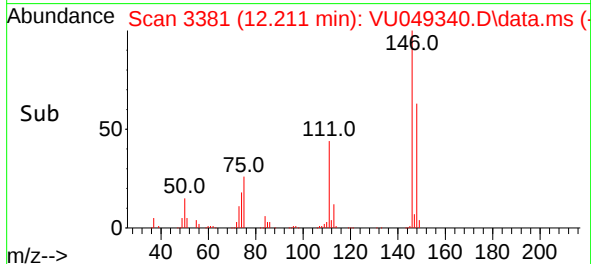
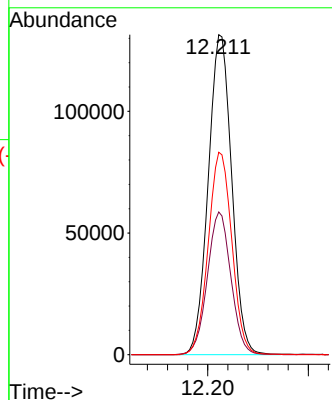
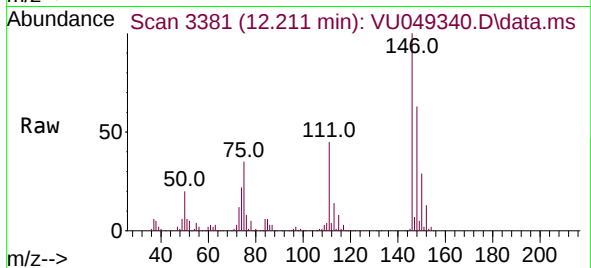
Tgt Ion:146 Resp: 213092

Ion Ratio Lower Upper

146 100

111 44.6 33.9 50.9

148 63.3 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 45.075 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049340.D

Acq: 22 Jun 2022 09:49

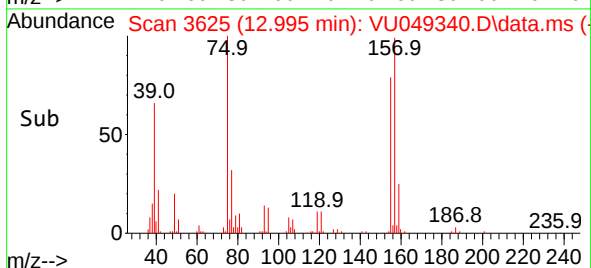
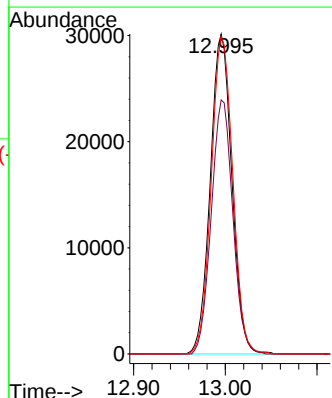
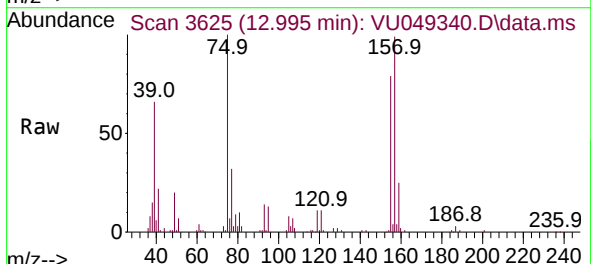
Tgt Ion: 75 Resp: 49352

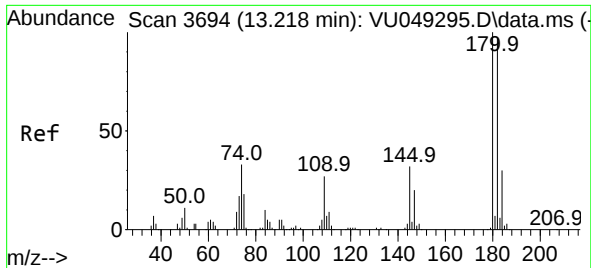
Ion Ratio Lower Upper

75 100

155 79.4 61.0 91.6

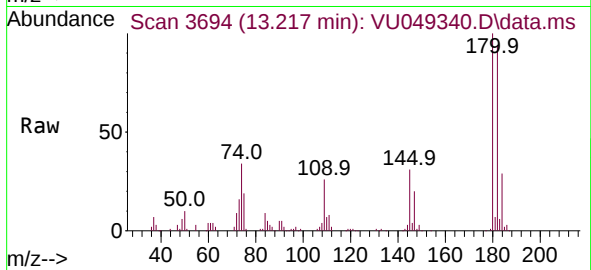
157 99.2 77.6 116.4



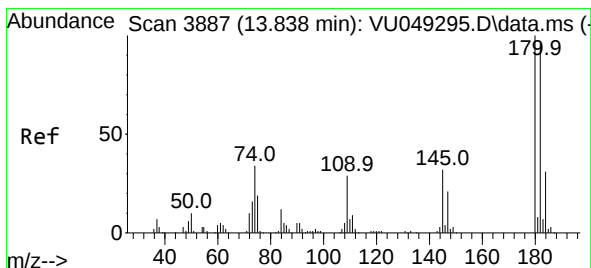
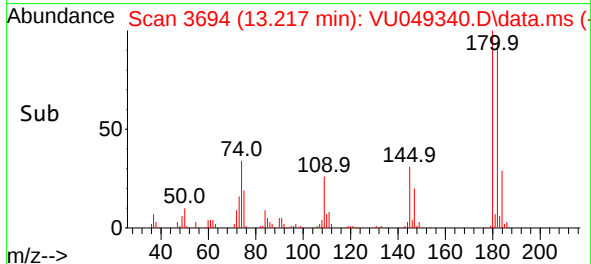
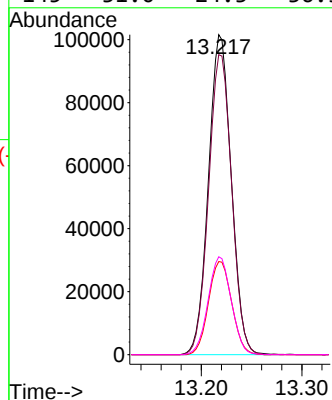


#69  
 1,3,5-Trichlorobenzene  
 Concen: 51.375 ug/L  
 RT: 13.217 min Scan# 30  
 Delta R.T. -0.000 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :

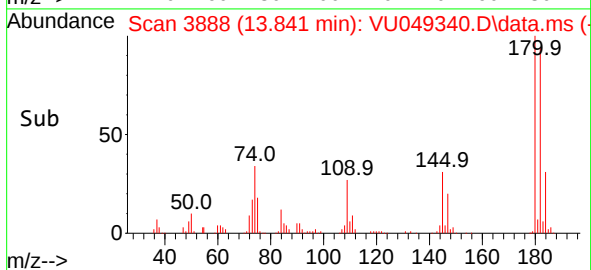
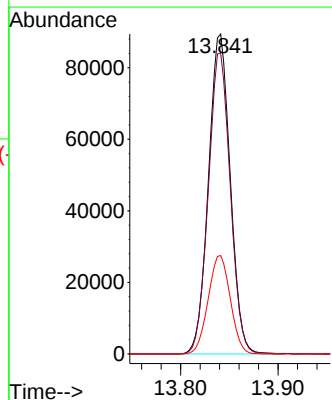
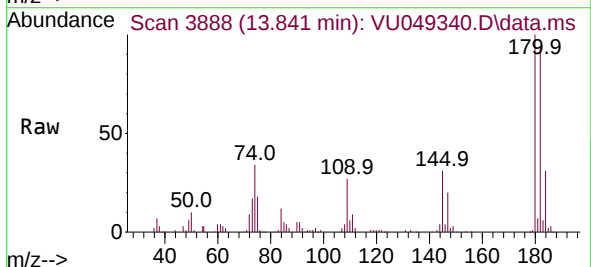


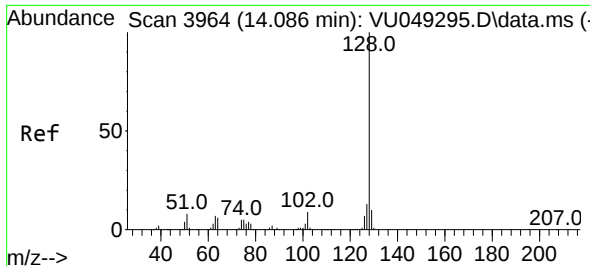
Tgt Ion:180 Resp: 159935  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 76.0 114.0  
 184 29.6 24.5 36.7  
 145 31.0 24.3 36.5



#70  
 1,2,4-trichlorobenzene  
 Concen: 52.787 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.003 min  
 Lab File: VU049340.D  
 Acq: 22 Jun 2022 09:49

Tgt Ion:180 Resp: 138960  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 78.2 117.2  
 145 31.2 25.0 37.4

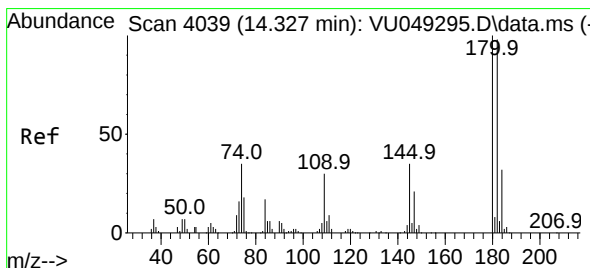
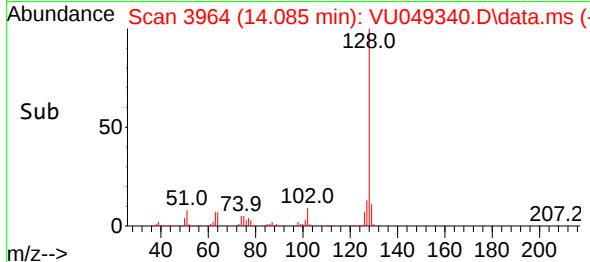
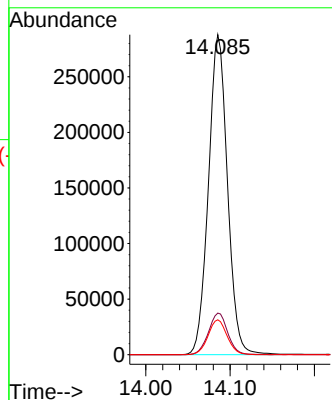
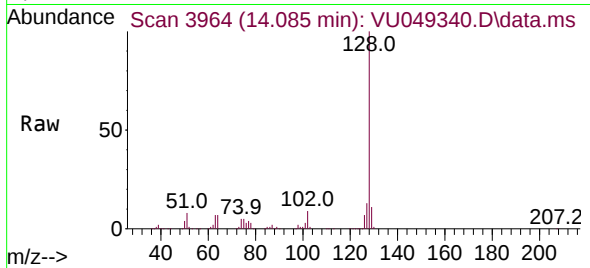




#71  
Naphthalene  
Concen: 48.532 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 452001  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.2 15.4  
129 10.9 8.6 12.8



#72  
1,2,3-Trichlorobenzene  
Concen: 50.914 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.003 min  
Lab File: VU049340.D  
Acq: 22 Jun 2022 09:49

Tgt Ion:180 Resp: 141775  
Ion Ratio Lower Upper  
180 100  
182 95.4 77.3 115.9  
145 32.9 26.3 39.5

