

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
 Data File : VU049192.D  
 Acq On : 16 Jun 2022 00:23  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005115

Quant Time: Jun 16 06:32:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 16 04:45:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 127446   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 117718   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 59787    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 50183    | 4.506  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 90.200%  |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 36692    | 4.867  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 97.400%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 20244    | 4.520  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 90.400%  |          |
| 20) 2-Butanone-d5             | 4.636  | 46             | 178020   | 59.871 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 119.740% |          |
| 24) Chloroform-d              | 5.067  | 84             | 91436    | 5.233  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 104.600% |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 50494    | 5.268  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 105.400% |          |
| 32) Benzene-d6                | 5.729  | 84             | 179037   | 5.049  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 101.000% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67             | 60136    | 4.996  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 100.000% |          |
| 41) Toluene-d8                | 7.899  | 98             | 157693   | 4.938  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79             | 23941    | 4.477  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 89.600%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 121386   | 56.274 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 112.540% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 51911    | 5.387  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 107.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 58644    | 5.112  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 102.200% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85             | 59061    | 5.429  | ug/L     | 100      |
| 3) Chloromethane              | 1.520  | 50             | 60159    | 5.037  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.604  | 62             | 60923    | 5.686  | ug/L     | 98       |
| 6) Bromomethane               | 1.858  | 94             | 12856    | 2.181  | ug/L     | 97       |
| 8) Chloroethane               | 1.935  | 64             | 32392    | 5.223  | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 2.137  | 101            | 71392    | 5.742  | ug/L     | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101            | 40755    | 5.536  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 39424    | 5.501  | ug/L     | 90       |
| 13) Acetone                   | 2.649  | 43             | 95093    | 64.618 | ug/L     | 99       |
| 14) Carbon disulfide          | 2.793  | 76             | 131542   | 5.557  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.961  | 43             | 24981    | 6.347  | ug/L     | 99       |
| 16) Methylene chloride        | 3.047  | 84             | 47992    | 5.091  | ug/L     | 98       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73             | 121602   | 5.610  | ug/L     | 100      |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96             | 45079    | 5.678  | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.871  | 63             | 89091    | 5.691  | ug/L     | 96       |
| 21) 2-Butanone                | 4.716  | 43             | 171983   | 61.289 | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 49249    | 5.546  | ug/L     | 100      |
| 23) Bromochloromethane        | 4.980  | 128            | 21052    | 5.538  | ug/L     | 95       |
| 25) Chloroform                | 5.089  | 83             | 87847    | 5.590  | ug/L     | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061522\  
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 Acq On : 16 Jun 2022 00:23  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

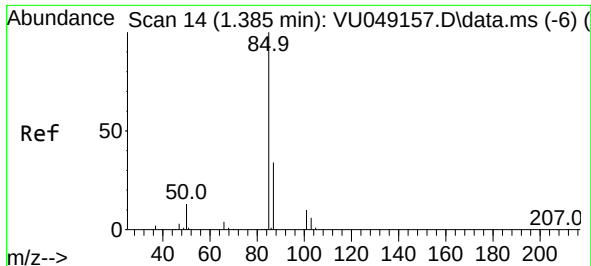
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005115

Quant Time: Jun 16 06:32:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR061422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jun 16 04:45:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 58832    | 5.684  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97   | 76452    | 5.435  | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 83548    | 5.225  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 63616    | 5.401  | ug/L  | 98       |
| 33) Benzene                   | 5.777  | 78   | 197834   | 5.648  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 50067    | 5.592  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 78064    | 5.199  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 53418    | 5.550  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 64251    | 5.461  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 74633    | 5.101  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 413555   | 57.834 | ug/L  | 100      |
| 42) Toluene                   | 7.970  | 91   | 202350   | 5.448  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 63655    | 5.009  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 36728    | 5.474  | ug/L  | 94       |
| 47) Tetrachloroethene         | 8.555  | 164  | 34580    | 5.601  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 299477   | 58.676 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 41779    | 5.458  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 35206    | 5.660  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.446  | 112  | 124739   | 5.515  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 218950   | 5.397  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 80692    | 5.352  | ug/L  | 96       |
| 54) o-Xylene                  | 10.099 | 106  | 80341    | 5.375  | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 135621   | 5.417  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 50666    | 5.706  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 23676    | 5.272  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.484 | 105  | 216694   | 5.321  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 36934    | 5.506  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 183831   | 5.114  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 183998   | 5.167  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 94672    | 5.432  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 92418    | 5.365  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 89857    | 5.418  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 8989     | 4.917  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 69588    | 5.325  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 57869    | 5.570  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 110499   | 5.352  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 55839    | 5.716  | ug/L  | 100      |

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

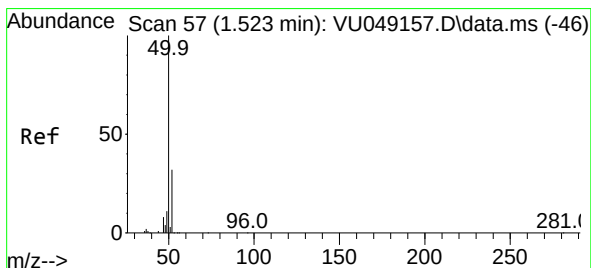
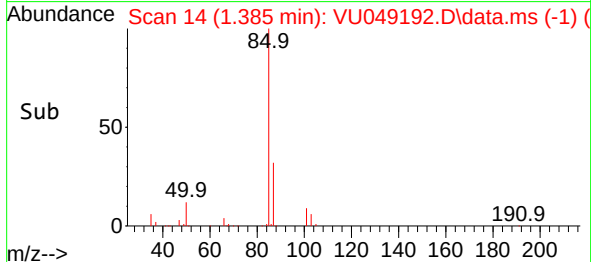
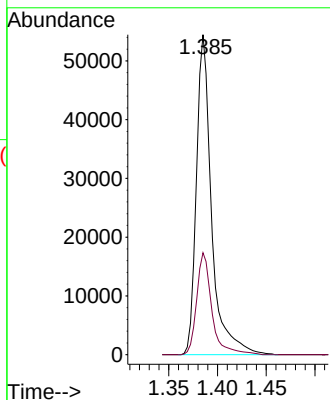
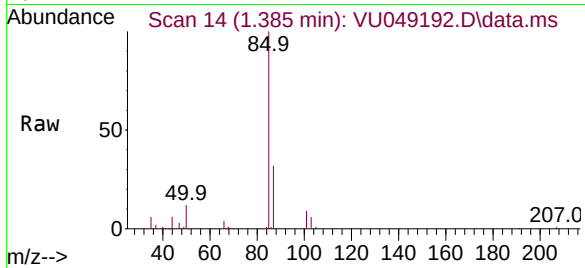




#2  
Dichlorodifluoromethane  
Concen: 5.429 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

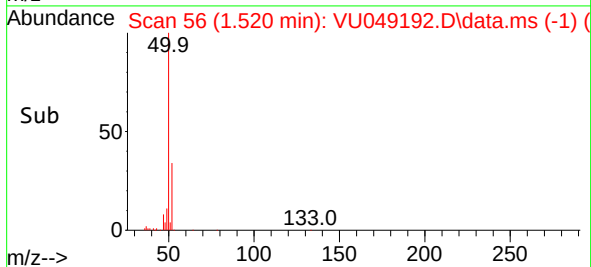
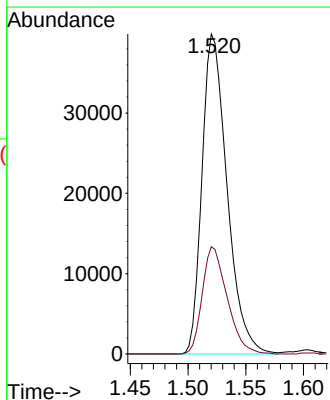
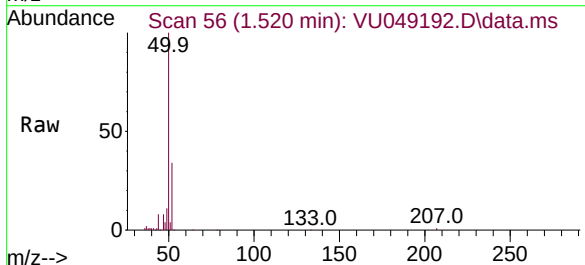
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

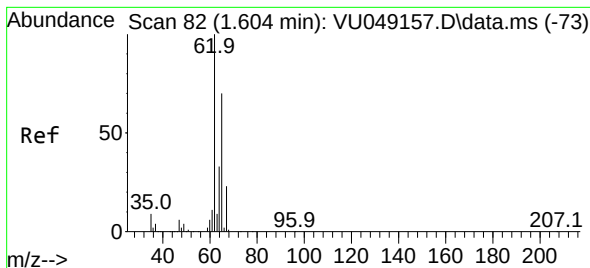
Tgt Ion: 85 Resp: 59061  
Ion Ratio Lower Upper  
85 100  
87 31.9 25.5 38.3



#3  
Chloromethane  
Concen: 5.037 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 50 Resp: 60159  
Ion Ratio Lower Upper  
50 100  
52 33.5 22.7 42.1





#5

Vinyl chloride

Concen: 5.686 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

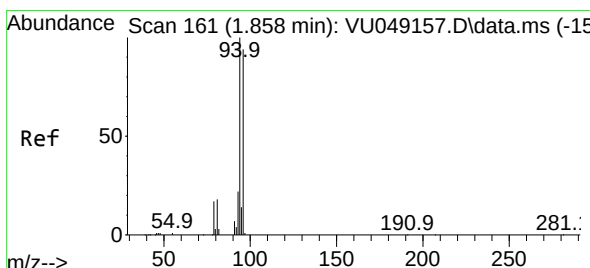
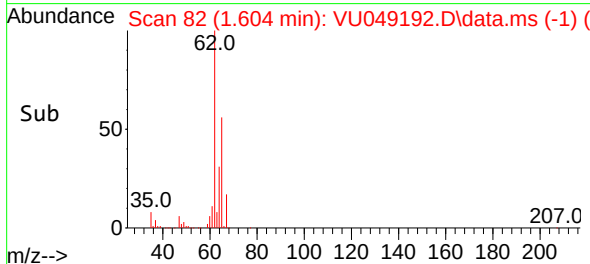
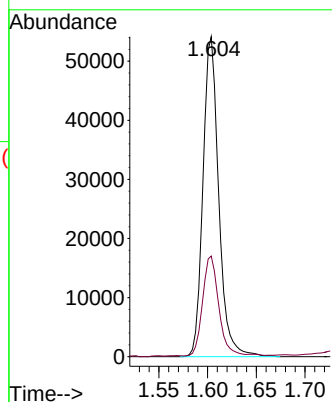
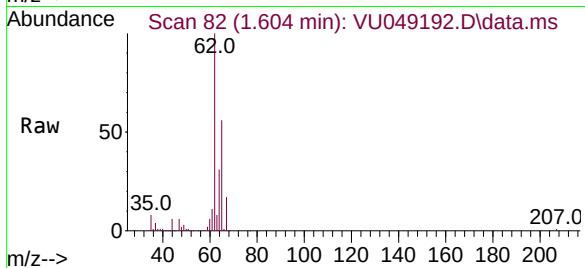
VSTD005115

Tgt Ion: 62 Resp: 60923

Ion Ratio Lower Upper

62 100

64 31.4 22.8 42.4



#6

Bromomethane

Concen: 2.181 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU049192.D

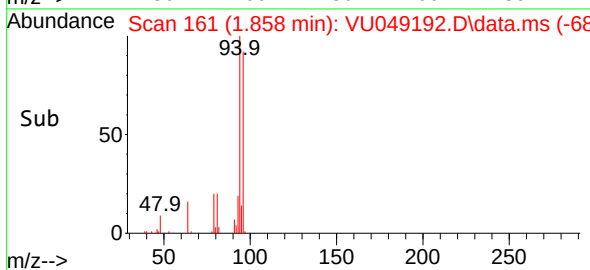
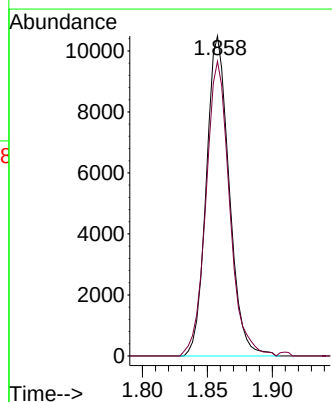
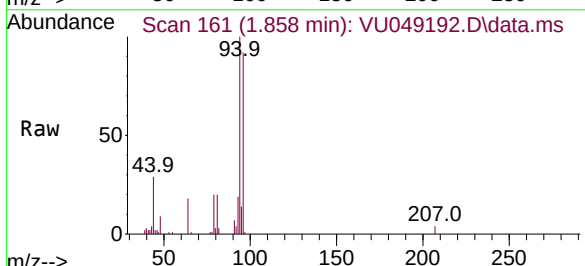
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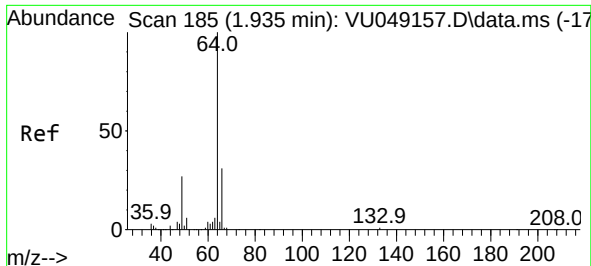
Tgt Ion: 94 Resp: 12856

Ion Ratio Lower Upper

94 100

96 92.1 66.4 123.4

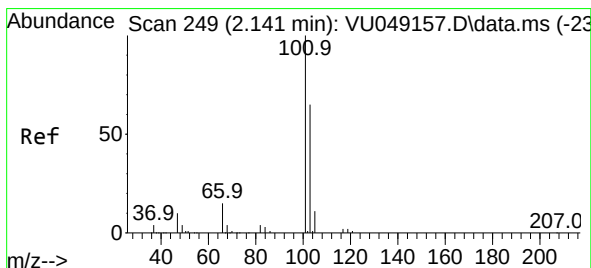
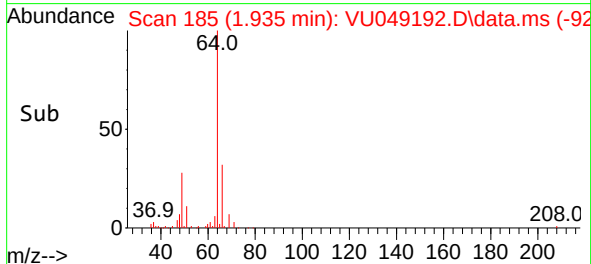
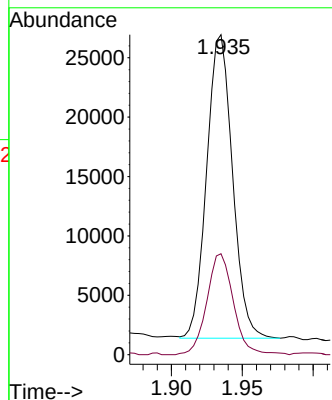
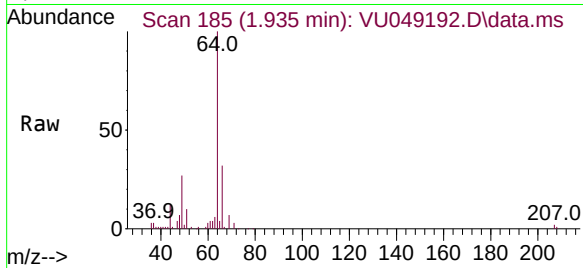




#8  
Chloroethane  
Concen: 5.223 ug/L  
RT: 1.935 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

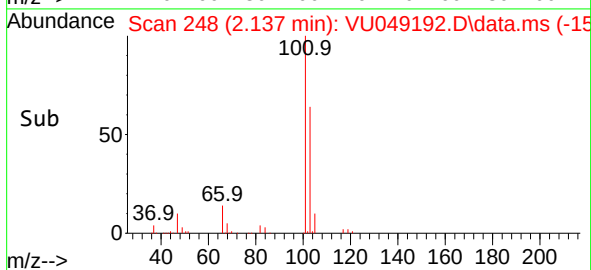
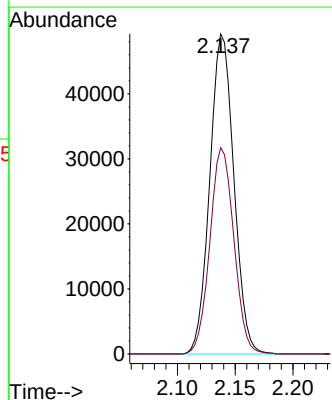
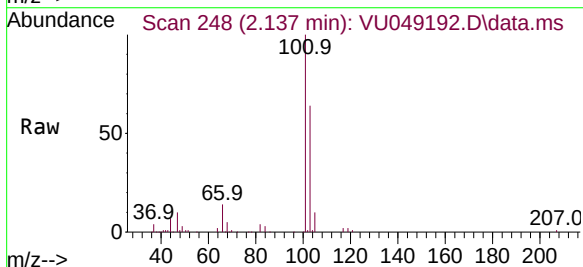
Instrument :  
MSVOA\_U  
ClientSampleId :  
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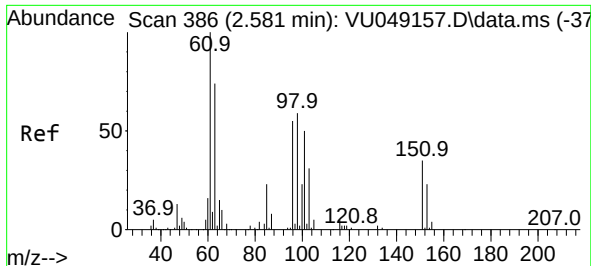
Tgt Ion: 64 Resp: 32392  
Ion Ratio Lower Upper  
64 100  
66 31.6 20.9 38.9



#9  
Trichlorofluoromethane  
Concen: 5.742 ug/L  
RT: 2.137 min Scan# 248  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 101 Resp: 71392  
Ion Ratio Lower Upper  
101 100  
103 64.2 53.5 80.3

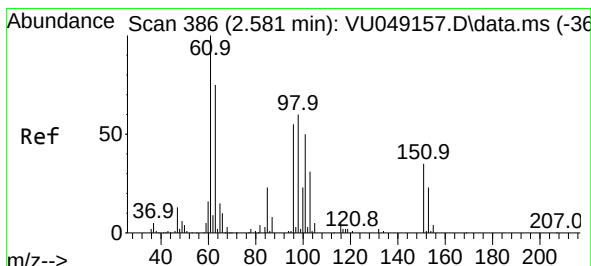
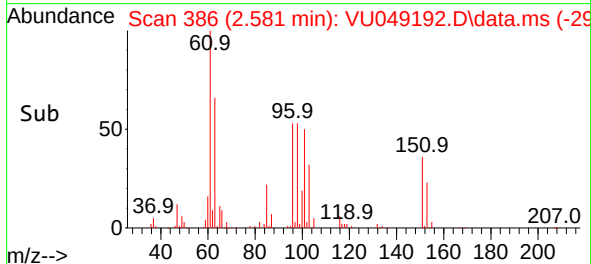
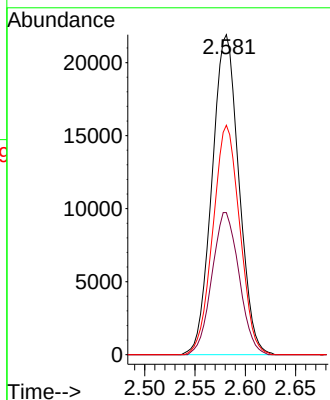
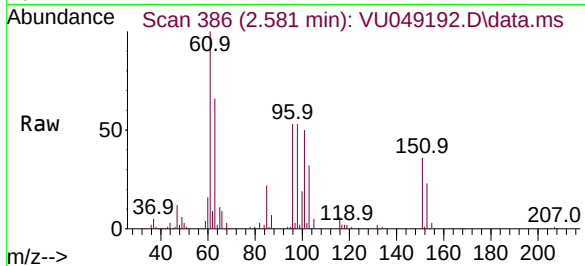




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 5.536 ug/L  
RT: 2.581 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

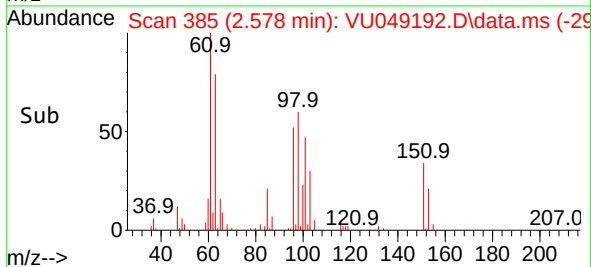
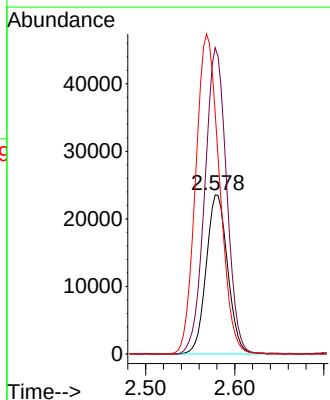
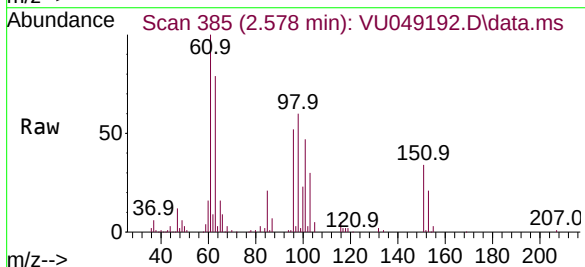
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

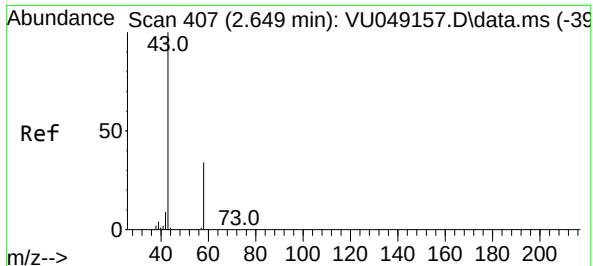
Tgt Ion:101 Resp: 40755  
Ion Ratio Lower Upper  
101 100  
85 44.8 36.1 54.1  
151 71.7 56.8 85.2



#12  
1,1-Dichloroethene  
Concen: 5.501 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 96 Resp: 39424  
Ion Ratio Lower Upper  
96 100  
61 192.5 127.2 236.2  
63 152.0 94.7 175.9





#13

Acetone

Concen: 64.618 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

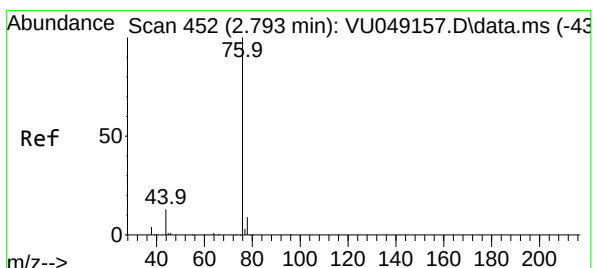
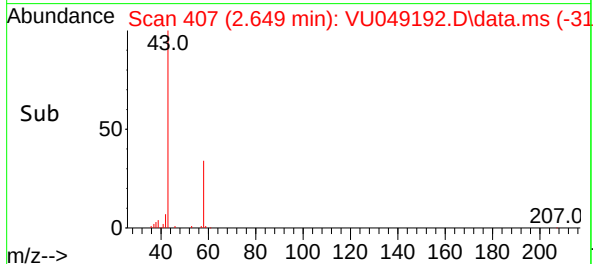
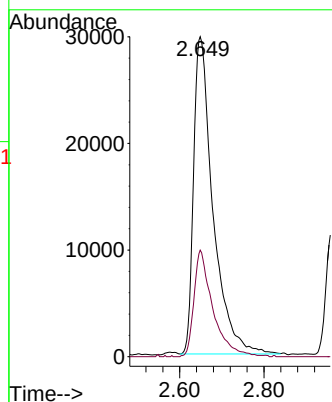
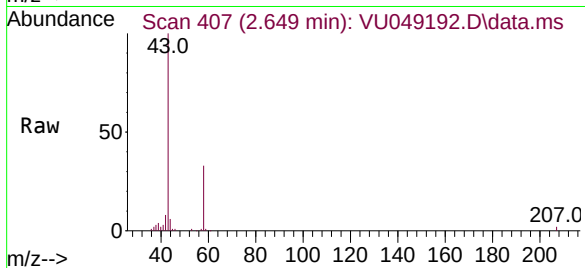
VSTD005115

Tgt Ion: 43 Resp: 95093

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.8



#14

Carbon disulfide

Concen: 5.557 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU049192.D

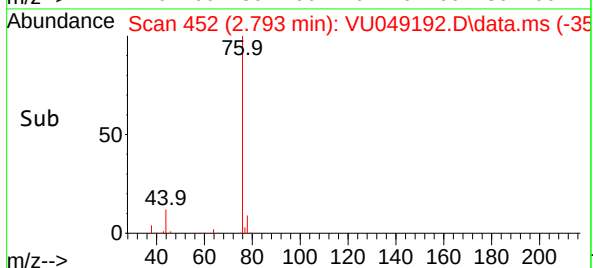
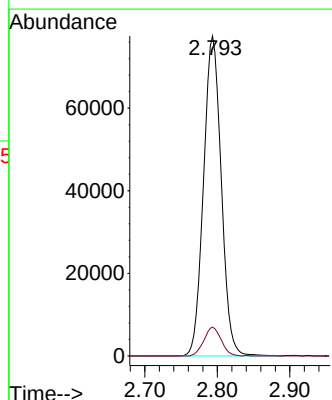
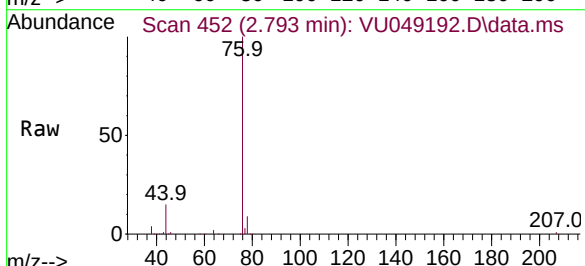
Acq: 16 Jun 2022 00:23

Tgt Ion: 76 Resp: 131542

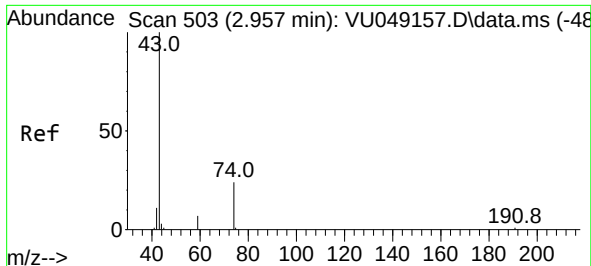
Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



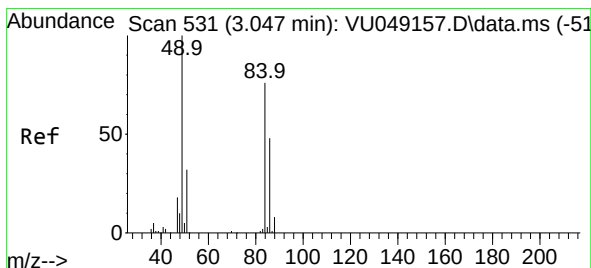
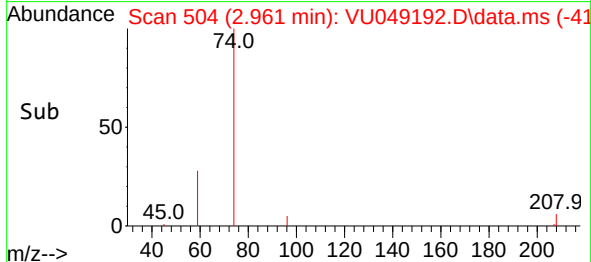
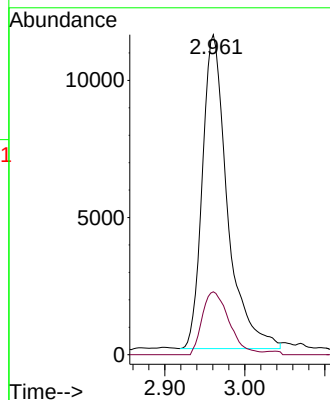
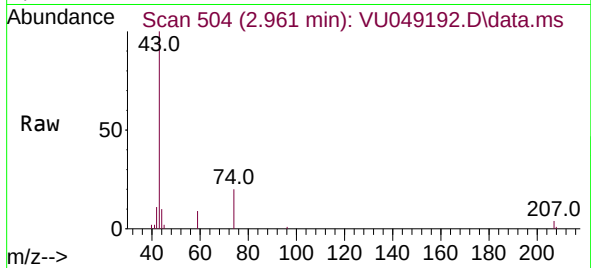




#15  
Methyl Acetate  
Concen: 6.347 ug/L  
RT: 2.961 min Scan# 503  
Delta R.T. 0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

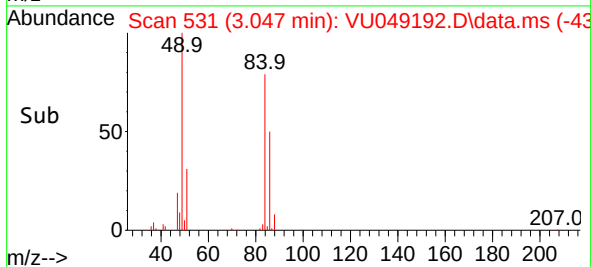
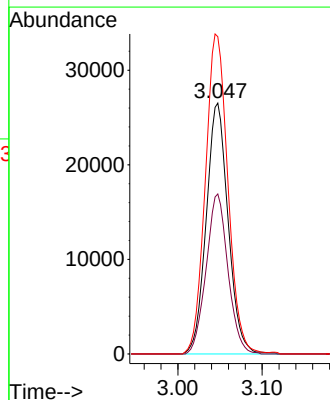
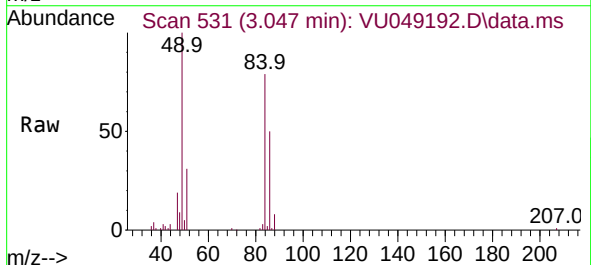
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

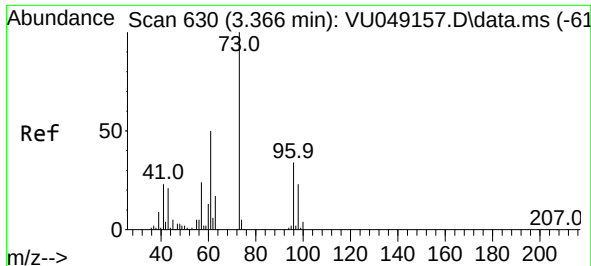
Tgt Ion: 43 Resp: 24981  
Ion Ratio Lower Upper  
43 100  
74 21.5 17.6 26.4



#16  
Methylene chloride  
Concen: 5.091 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 84 Resp: 47992  
Ion Ratio Lower Upper  
84 100  
86 63.8 43.6 81.0  
49 126.5 90.2 167.6

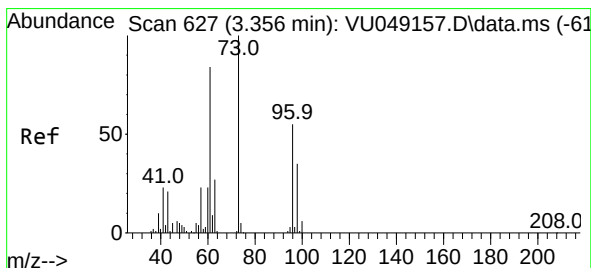
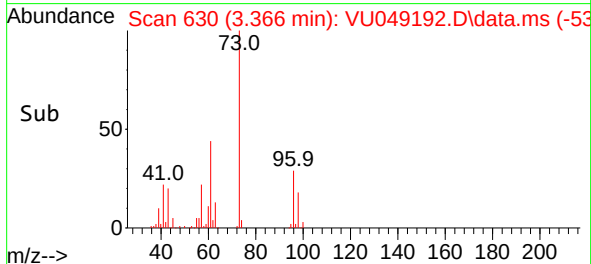
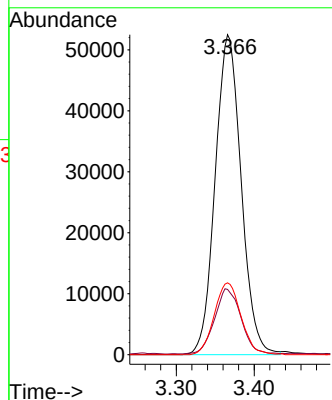
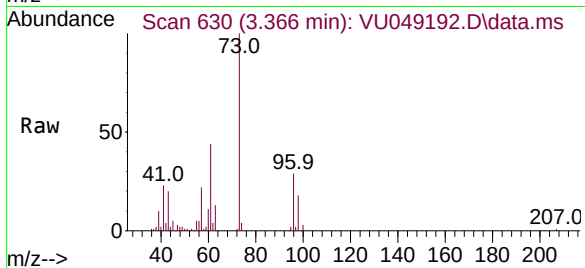




#17  
Methyl tert-butyl Ether  
Concen: 5.610 ug/L  
RT: 3.366 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

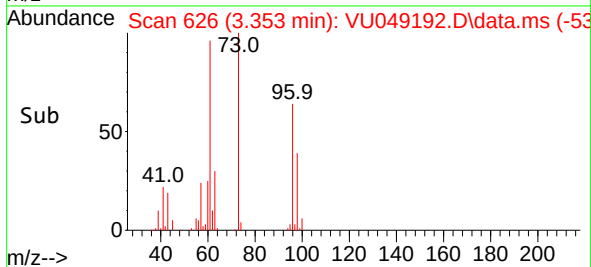
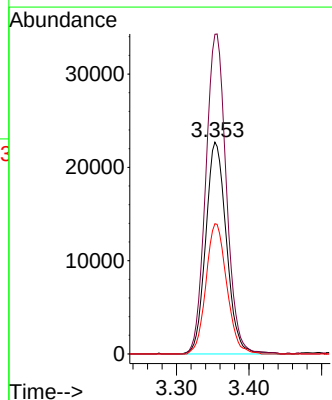
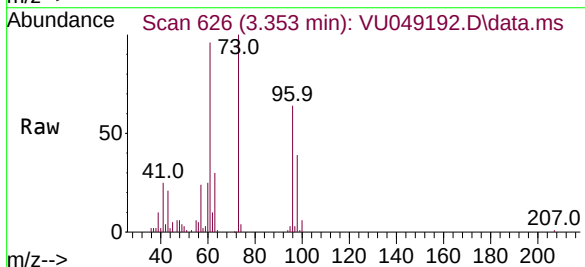
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

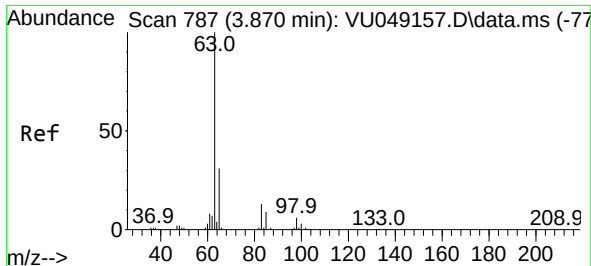
Tgt Ion: 73 Resp: 121602  
Ion Ratio Lower Upper  
73 100  
43 20.6 16.5 24.7  
57 23.0 18.6 27.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.678 ug/L  
RT: 3.353 min Scan# 626  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 96 Resp: 45079  
Ion Ratio Lower Upper  
96 100  
61 150.9 103.3 191.9  
98 61.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.691 ug/L

RT: 3.871 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005115

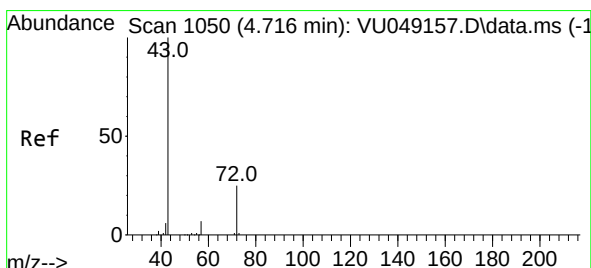
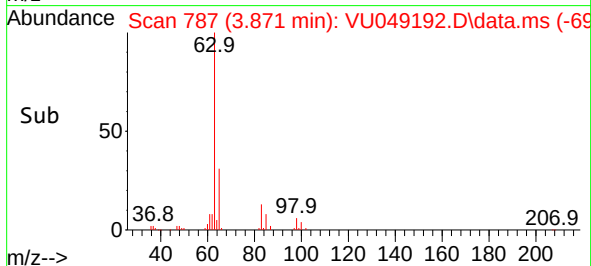
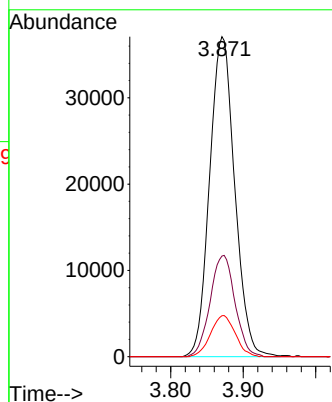
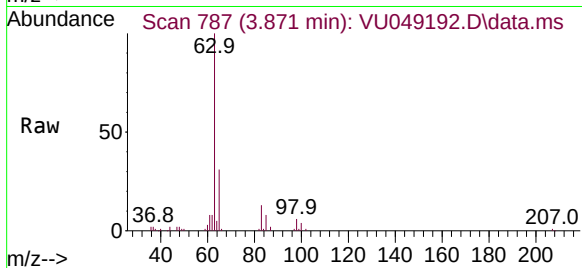
Tgt Ion: 63 Resp: 89091

Ion Ratio Lower Upper

63 100

65 31.5 24.0 44.6

83 12.8 9.1 16.9



#21

2-Butanone

Concen: 61.289 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.000 min

Lab File: VU049192.D

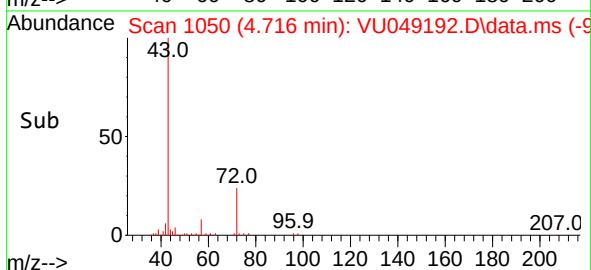
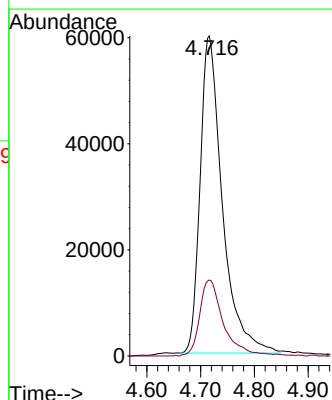
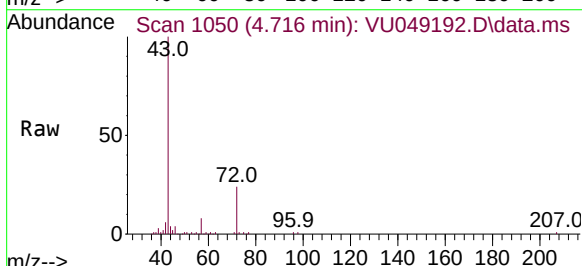
Acq: 16 Jun 2022 00:23

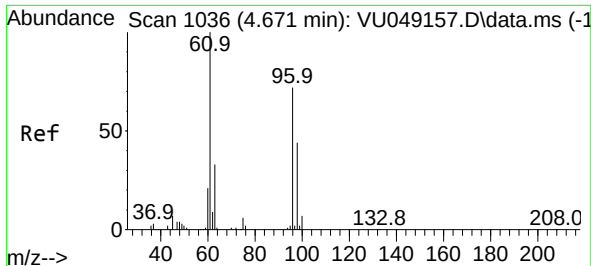
Tgt Ion: 43 Resp: 171983

Ion Ratio Lower Upper

43 100

72 25.7 12.2 36.6

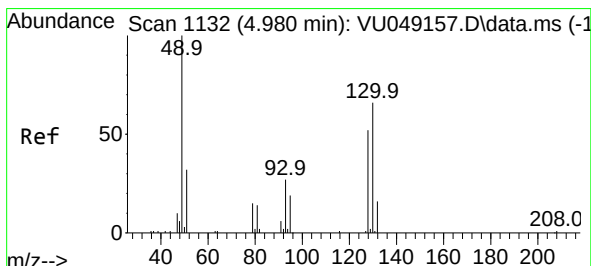
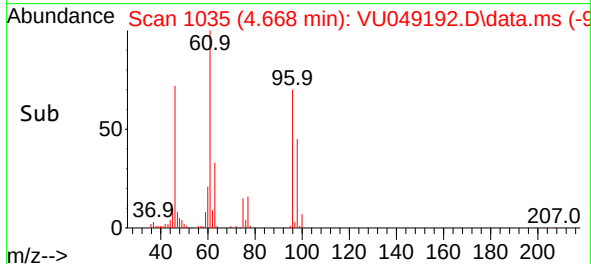
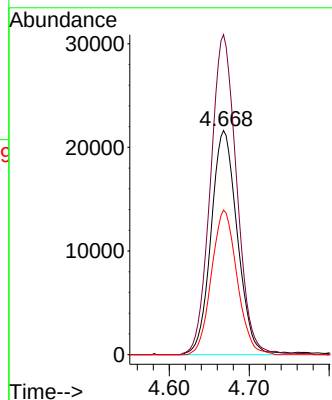
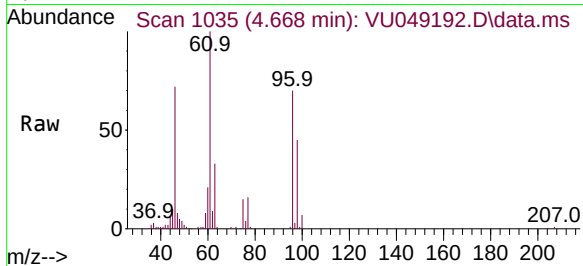




#22  
cis-1,2-Dichloroethene  
Concen: 5.546 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

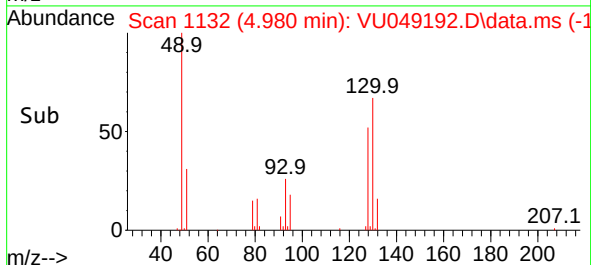
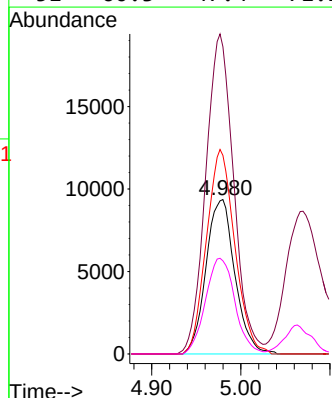
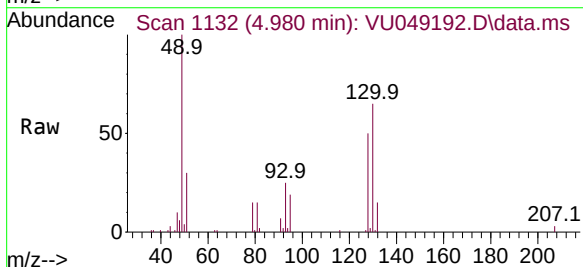
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

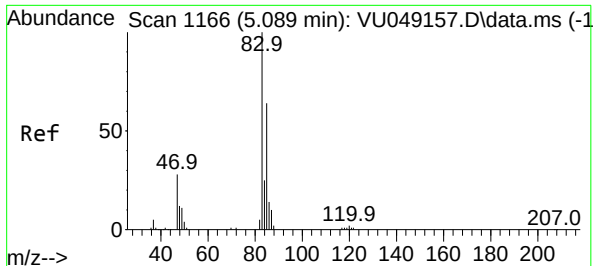
Tgt Ion: 96 Resp: 49249  
Ion Ratio Lower Upper  
96 100  
61 142.7 99.5 184.9  
98 64.5 44.8 83.2



#23  
Bromochloromethane  
Concen: 5.538 ug/L  
RT: 4.980 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion:128 Resp: 21052  
Ion Ratio Lower Upper  
128 100  
49 199.0 131.6 244.4  
130 128.6 86.9 161.5  
51 60.3 47.4 71.2





#25

Chloroform

Concen: 5.590 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

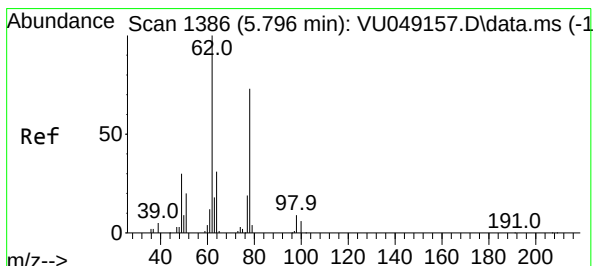
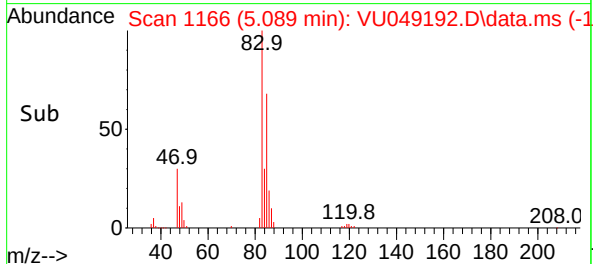
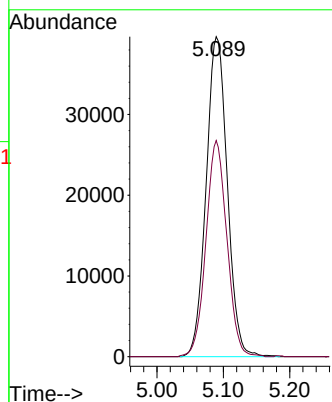
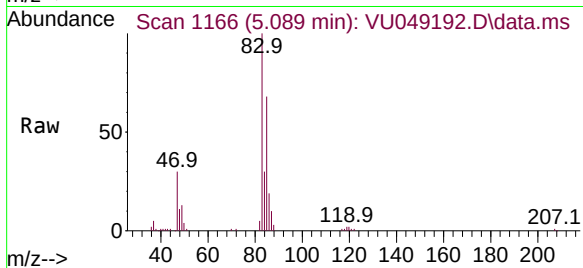
VSTD005115

Tgt Ion: 83 Resp: 87847

Ion Ratio Lower Upper

83 100

85 67.5 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.684 ug/L

RT: 5.797 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VU049192.D

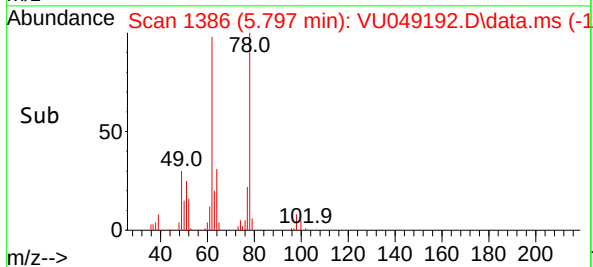
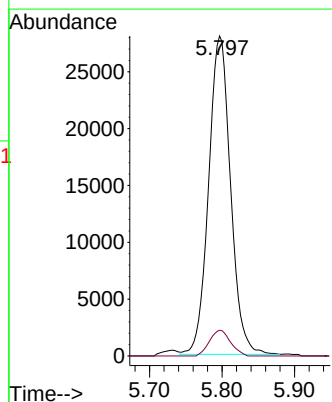
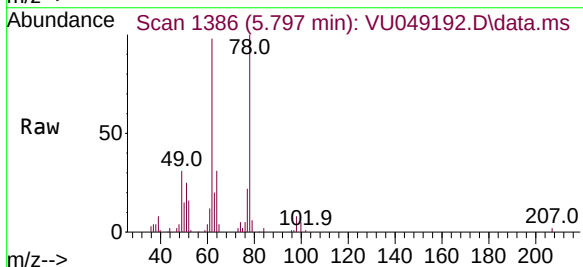
Acq: 16 Jun 2022 00:23

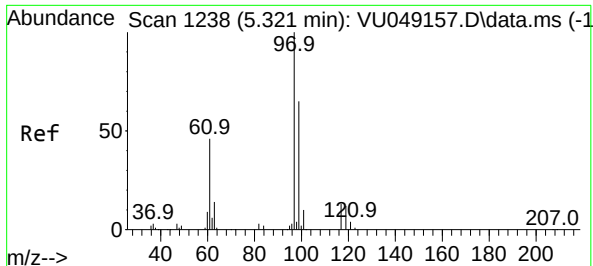
Tgt Ion: 62 Resp: 58832

Ion Ratio Lower Upper

62 100

98 8.0 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.435 ug/L

RT: 5.317 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005115

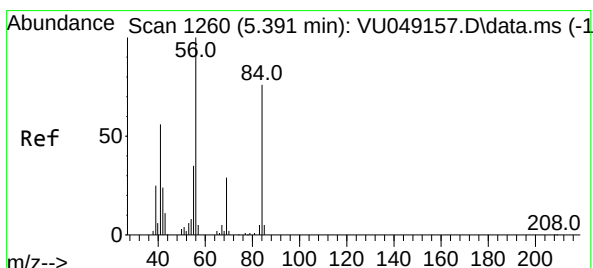
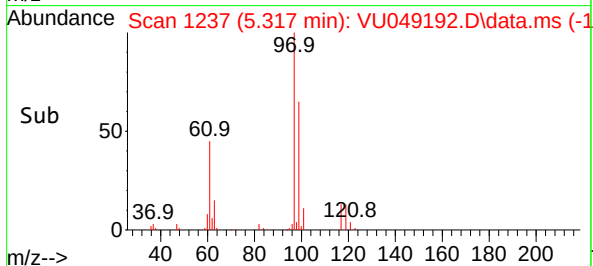
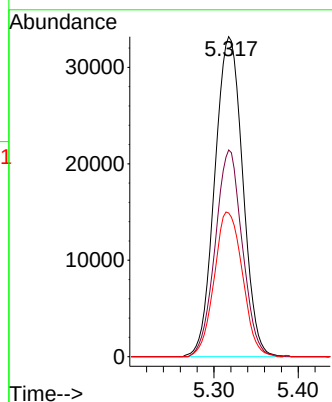
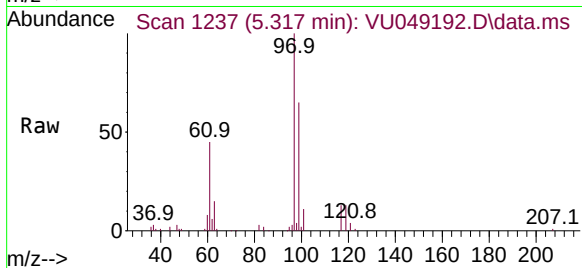
Tgt Ion: 97 Resp: 76452

Ion Ratio Lower Upper

97 100

99 62.6 51.0 76.4

61 45.7 36.2 54.4



#30

Cyclohexane

Concen: 5.225 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

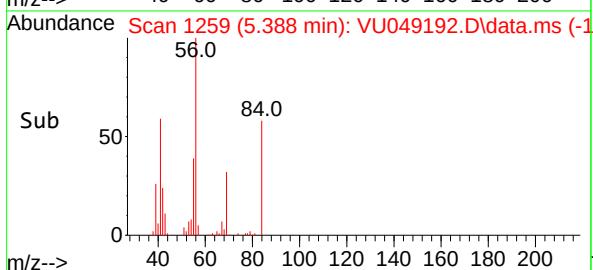
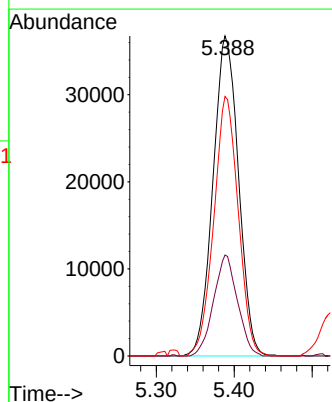
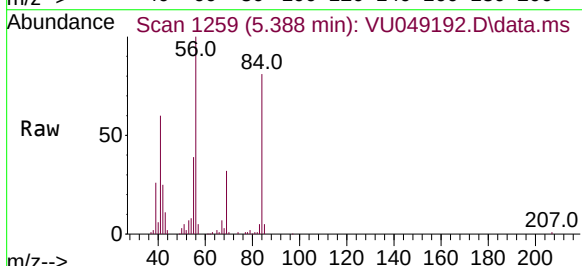
Tgt Ion: 56 Resp: 83548

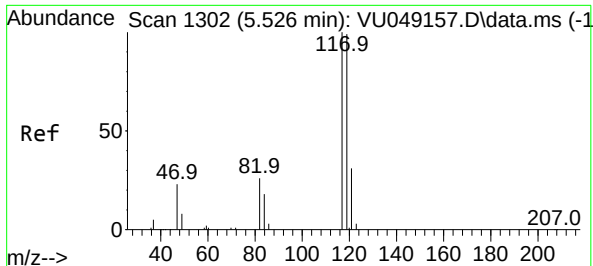
Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.6

84 77.7 61.2 91.8

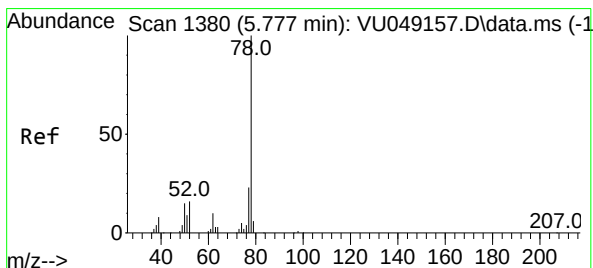
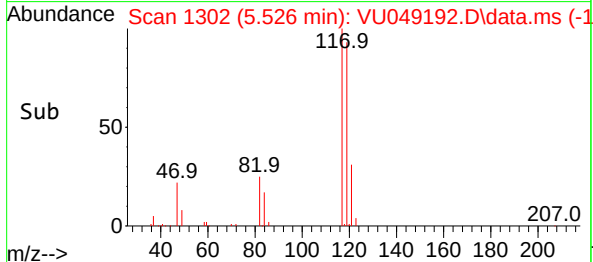
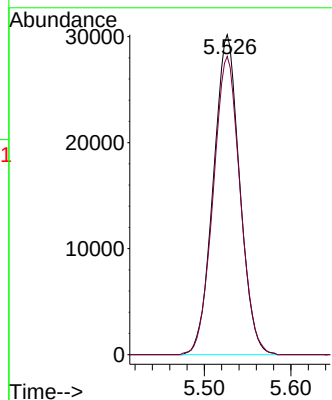
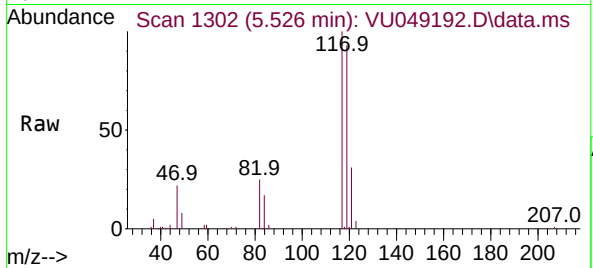




#31  
Carbon tetrachloride  
Concen: 5.401 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

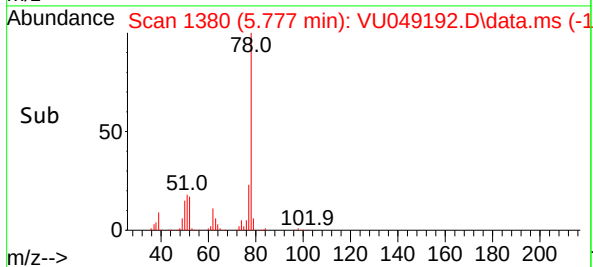
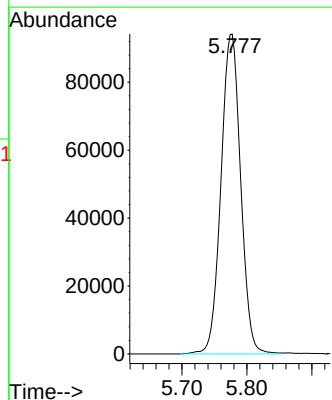
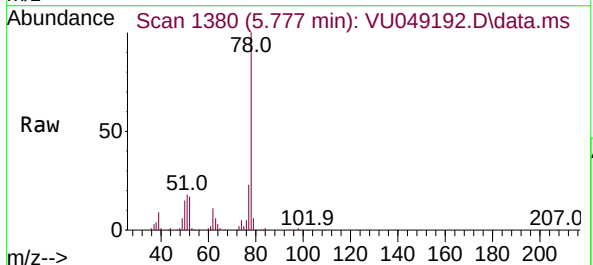
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

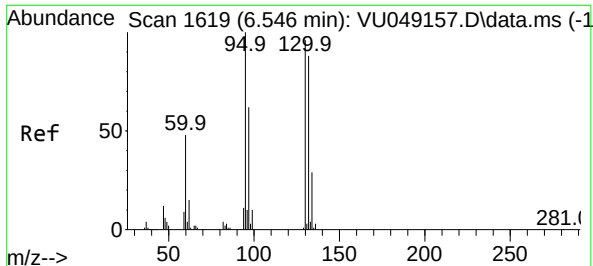
Tgt Ion:117 Resp: 63616  
Ion Ratio Lower Upper  
117 100  
119 95.6 78.3 117.5



#33  
Benzene  
Concen: 5.648 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 78 Resp: 197834





#34

Trichloroethene

Concen: 5.592 ug/L

RT: 6.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005115

Tgt Ion: 95 Resp: 50067

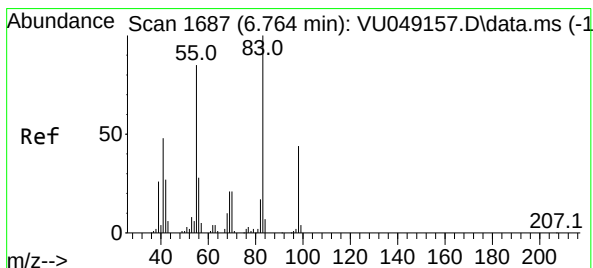
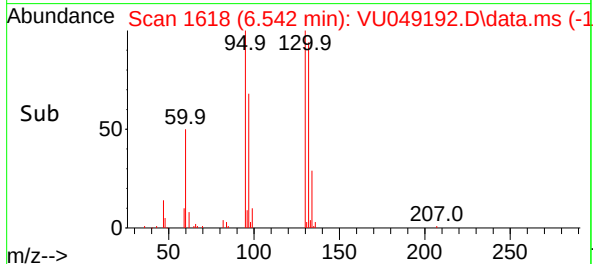
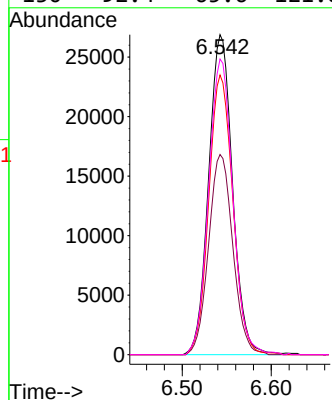
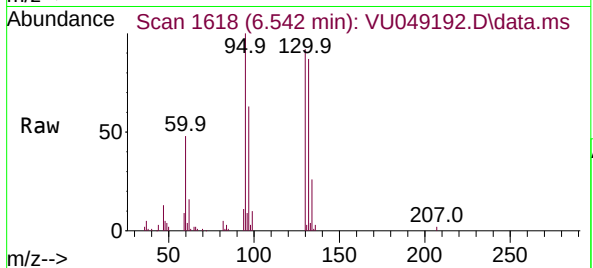
Ion Ratio Lower Upper

95 100

97 62.5 45.3 84.1

132 87.4 61.5 114.3

130 92.4 65.6 121.8



#35

Methylcyclohexane

Concen: 5.199 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

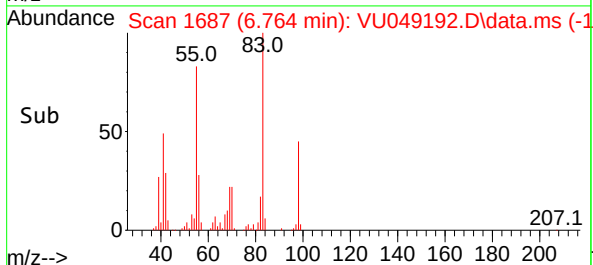
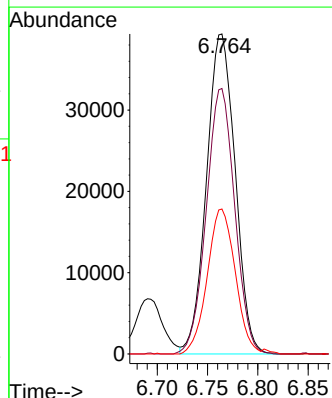
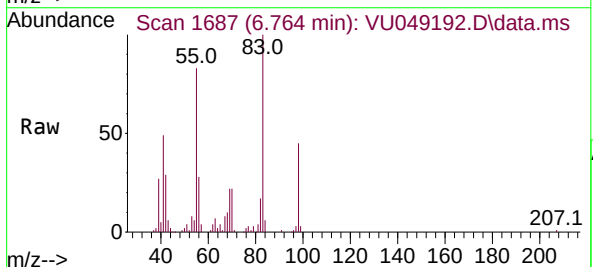
Tgt Ion: 83 Resp: 78064

Ion Ratio Lower Upper

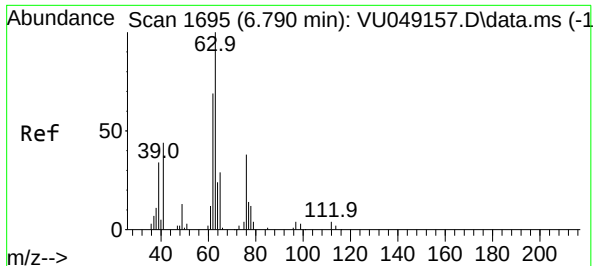
83 100

55 82.3 66.9 100.3

98 44.2 35.5 53.3







#37

1,2-Dichloropropane

Concen: 5.550 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

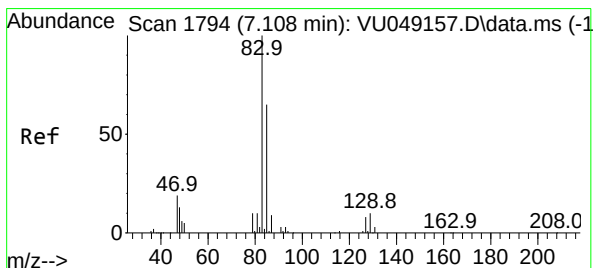
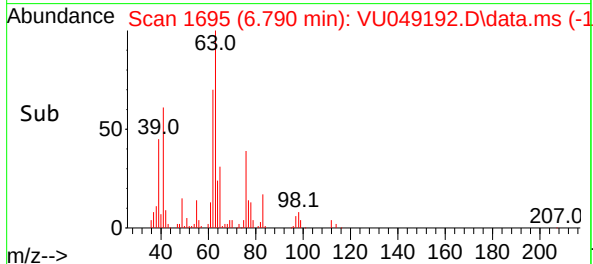
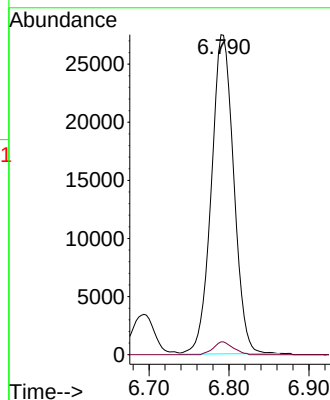
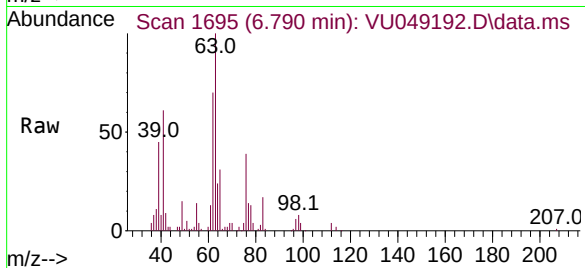
VSTD005115

Tgt Ion: 63 Resp: 53418

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 5.461 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

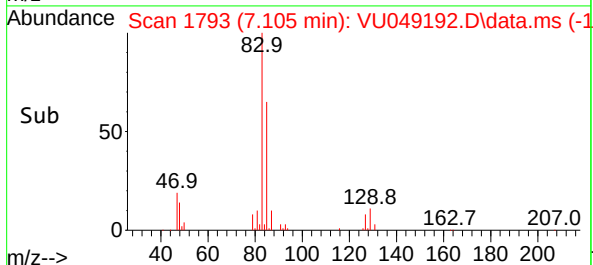
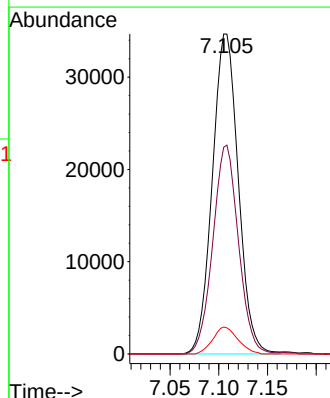
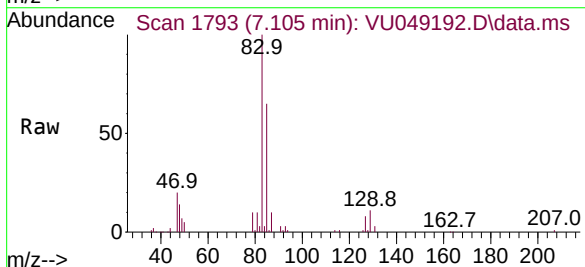
Tgt Ion: 83 Resp: 64251

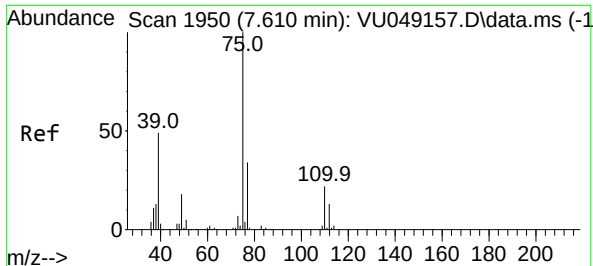
Ion Ratio Lower Upper

83 100

85 64.6 45.5 84.5

127 8.4 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

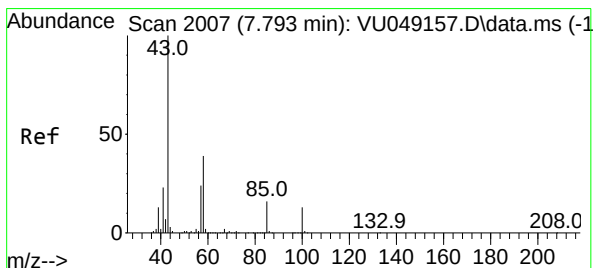
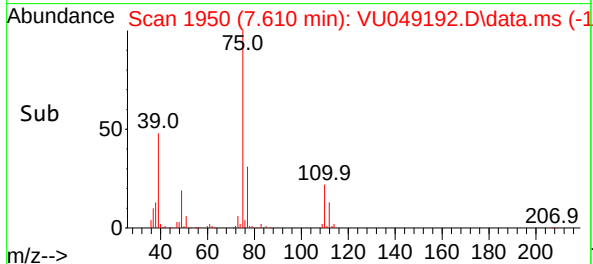
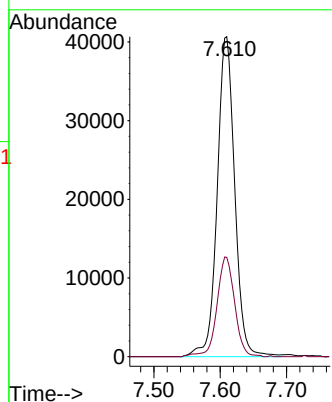
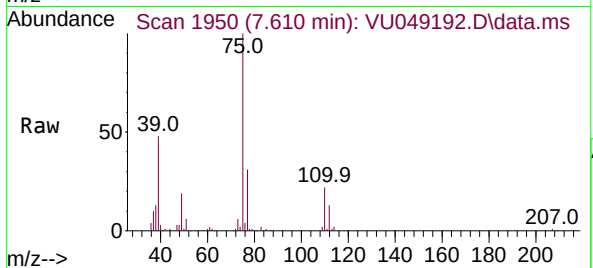
VSTD005115

Tgt Ion: 75 Resp: 74633

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 57.834 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

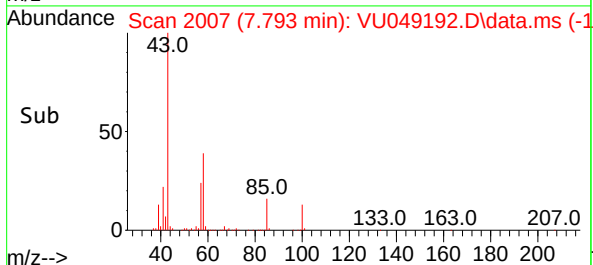
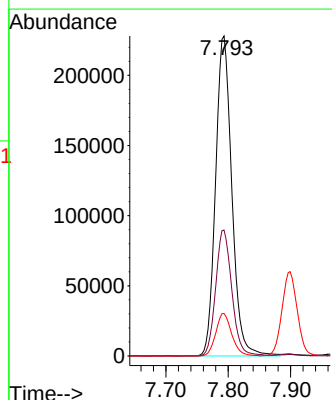
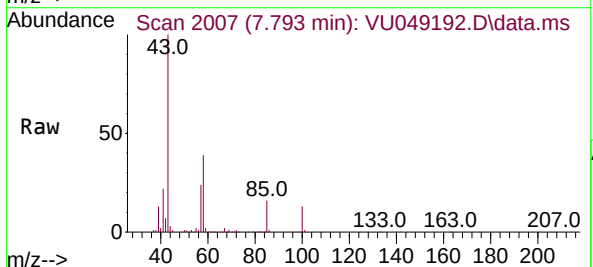
Tgt Ion: 43 Resp: 413555

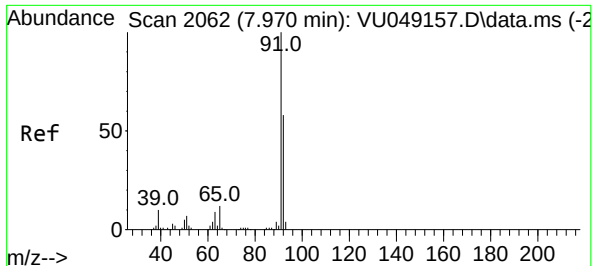
Ion Ratio Lower Upper

43 100

58 39.1 31.4 47.2

100 13.0 10.5 15.7

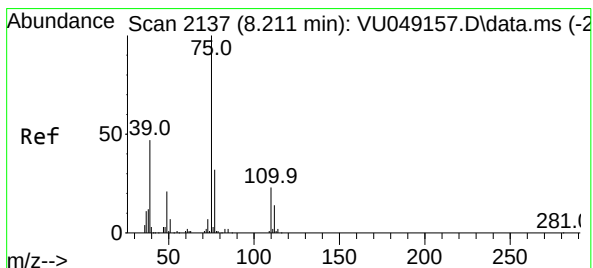
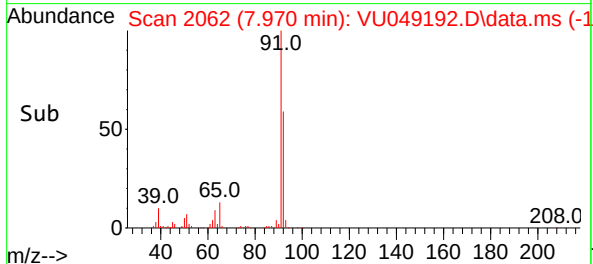
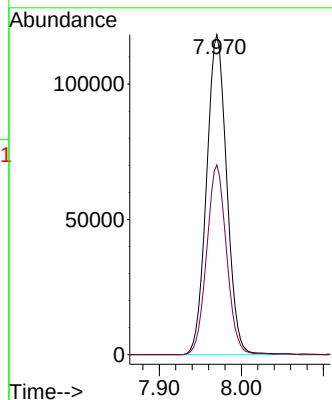
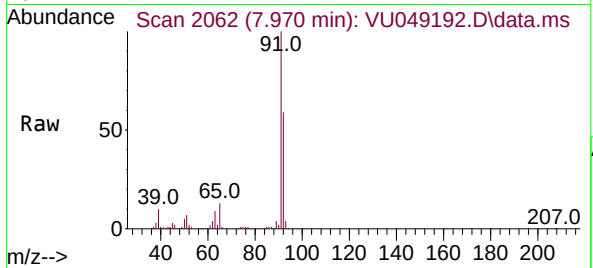




#42  
Toluene  
Concen: 5.448 ug/L  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

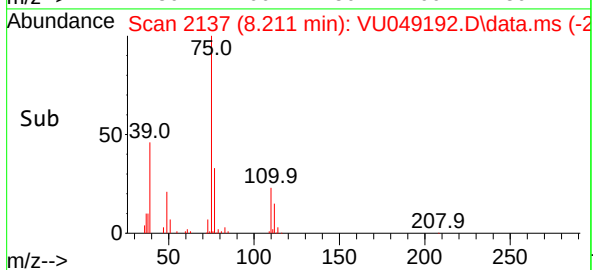
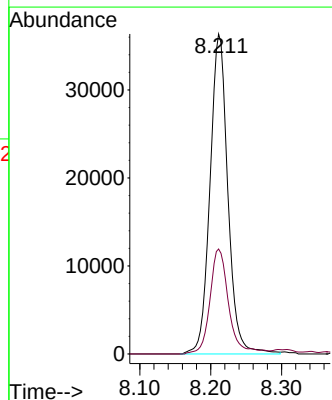
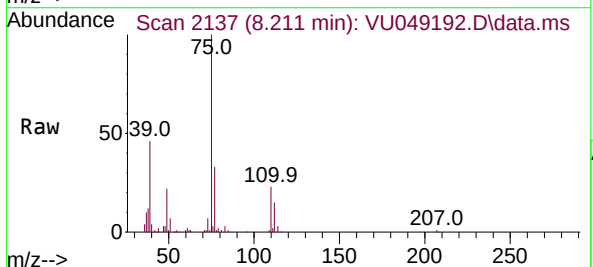
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

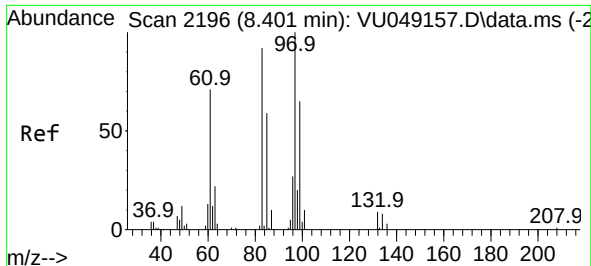
Tgt Ion: 91 Resp: 202350  
Ion Ratio Lower Upper  
91 100  
92 59.3 40.0 74.2



#44  
trans-1,3-Dichloropropene  
Concen: 5.009 ug/L  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 75 Resp: 63655  
Ion Ratio Lower Upper  
75 100  
77 32.8 21.1 39.3

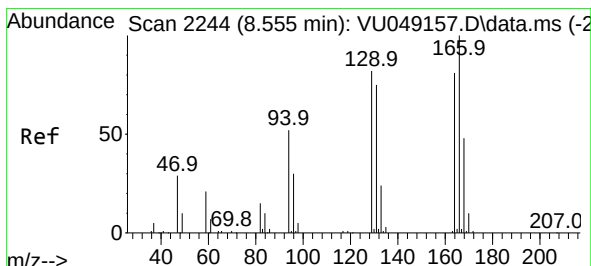
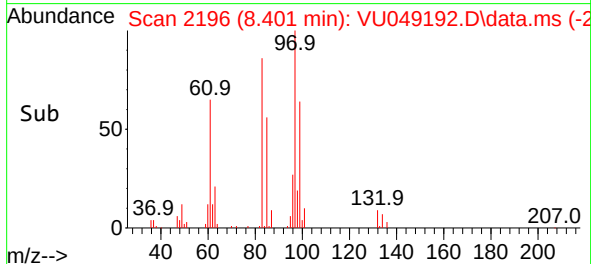
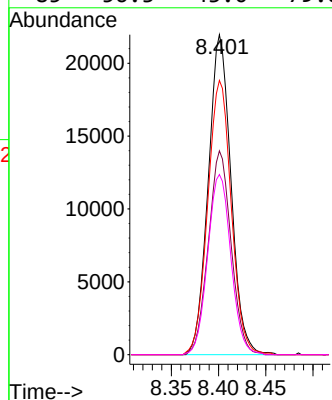
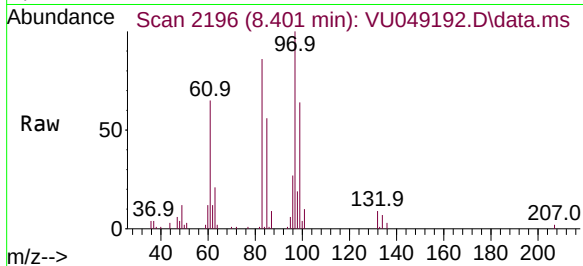




#45  
1,1,2-Trichloroethane  
Concen: 5.474 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

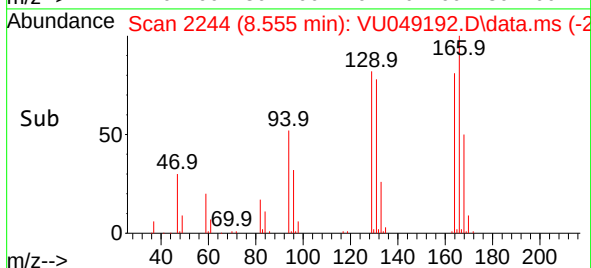
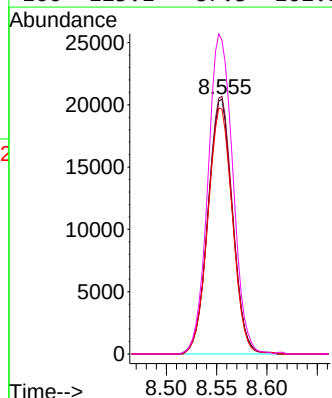
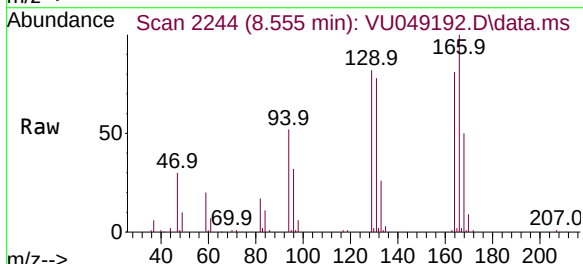
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

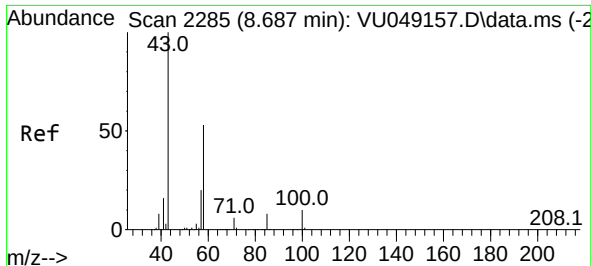
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 36728 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.7  | 45.6  | 84.8  |
| 83       | 85.7  | 65.4  | 121.4 |
| 85       | 56.3  | 43.0  | 79.8  |



#47  
Tetrachloroethene  
Concen: 5.601 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 34580 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.1 | 69.8  | 129.6 |
| 131      | 96.1  | 67.8  | 125.8 |
| 166      | 123.1 | 87.3  | 162.1 |

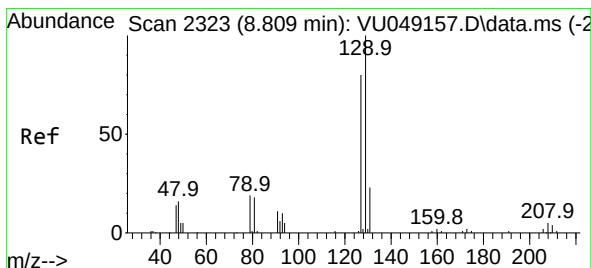
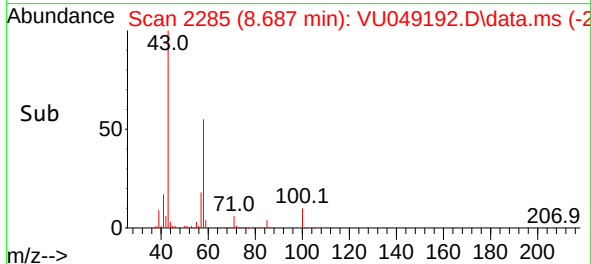
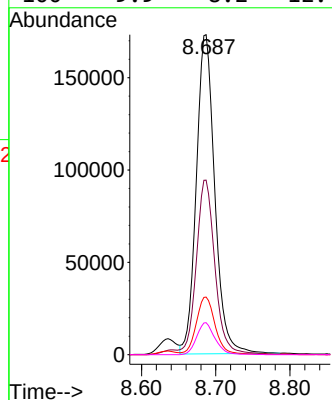
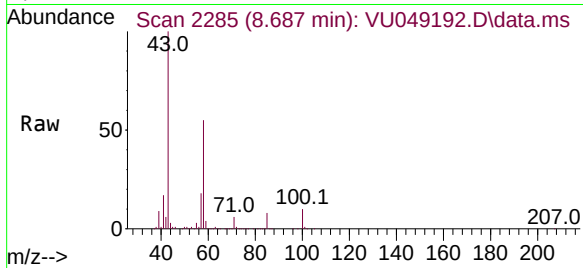




#48  
2-Hexanone  
Concen: 58.676 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

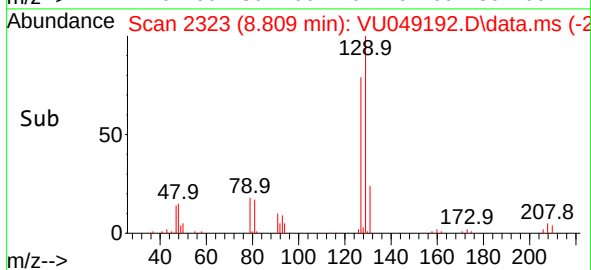
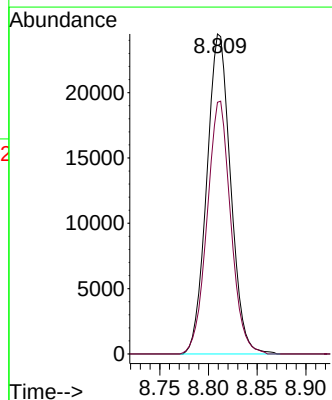
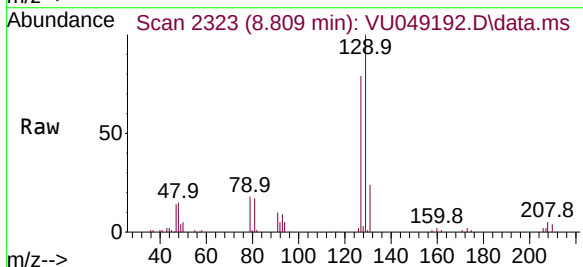
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

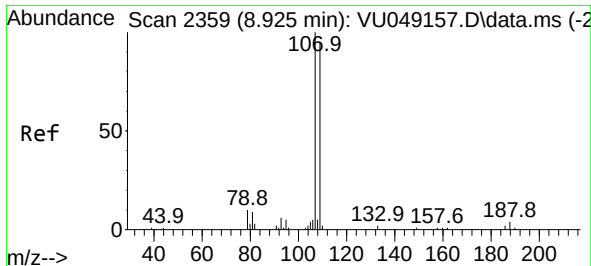
Tgt Ion: 43 Resp: 299477  
Ion Ratio Lower Upper  
43 100  
58 54.9 43.4 65.0  
57 18.3 14.9 22.3  
100 9.9 8.2 12.4



#49  
Dibromochloromethane  
Concen: 5.458 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 129 Resp: 41779  
Ion Ratio Lower Upper  
129 100  
127 78.7 54.9 101.9

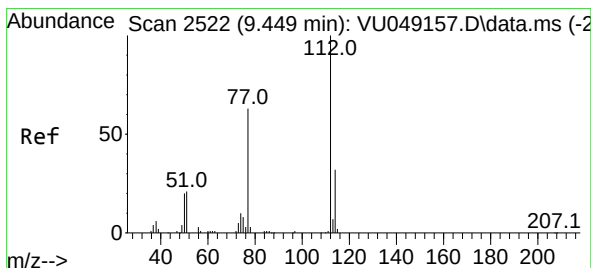
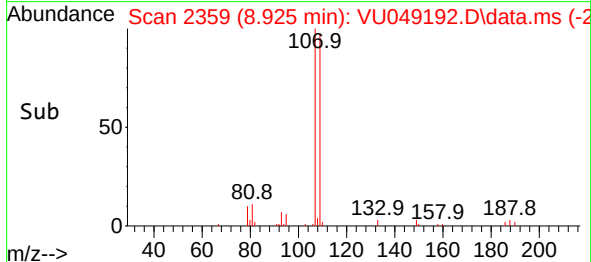
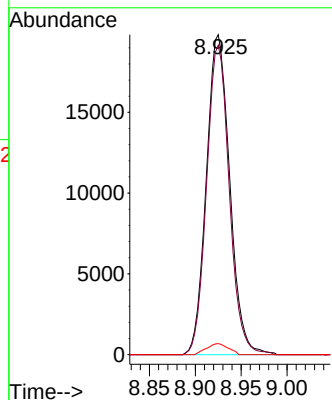
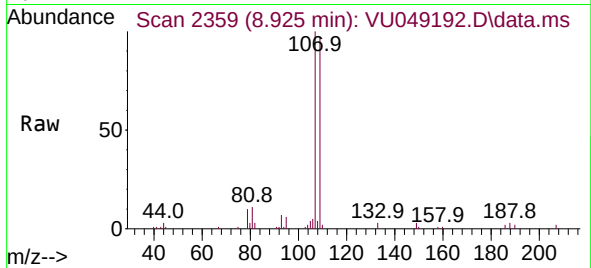




#50  
1,2-Dibromoethane  
Concen: 5.660 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

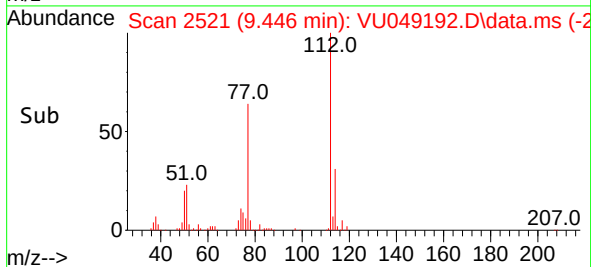
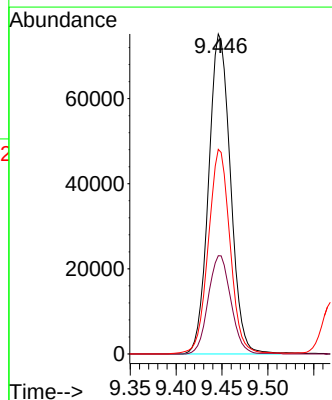
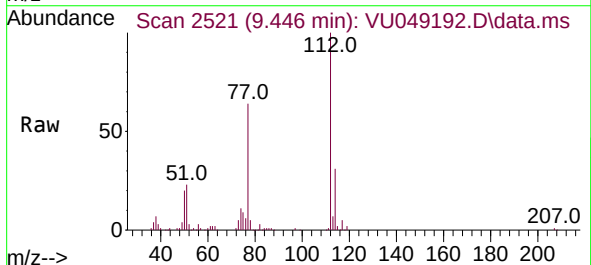
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

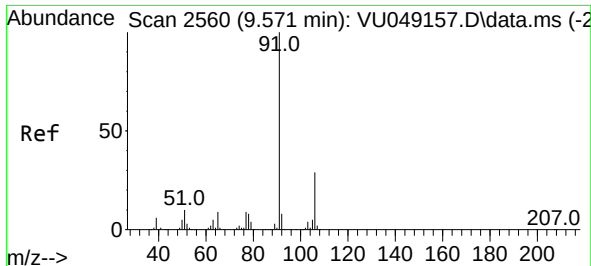
Tgt Ion:107 Resp: 35206  
Ion Ratio Lower Upper  
107 100  
109 96.8 64.4 119.6  
188 3.4 2.9 4.3



#51  
Chlorobenzene  
Concen: 5.515 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion:112 Resp: 124739  
Ion Ratio Lower Upper  
112 100  
114 30.7 22.3 41.3  
77 63.9 51.0 76.6

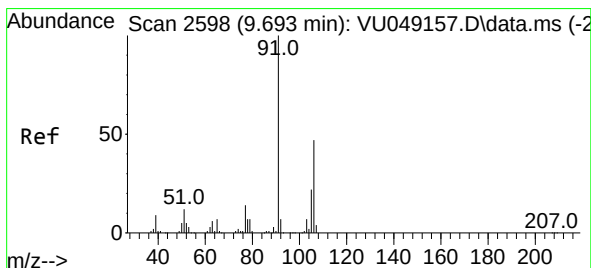
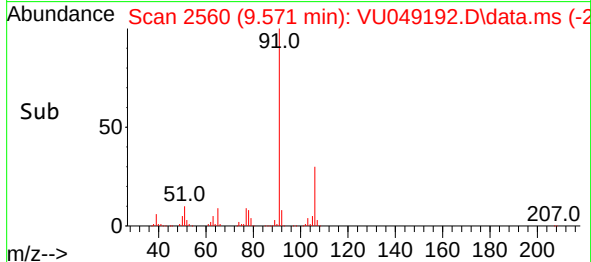
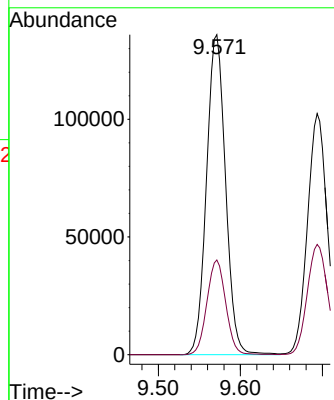
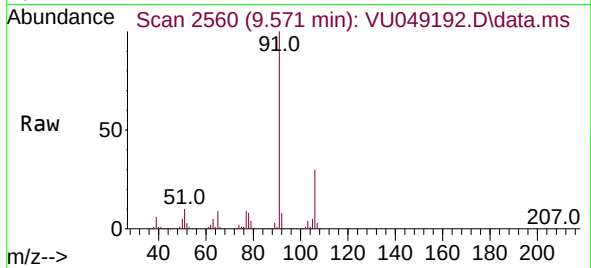




#52  
Ethylbenzene  
Concen: 5.397 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

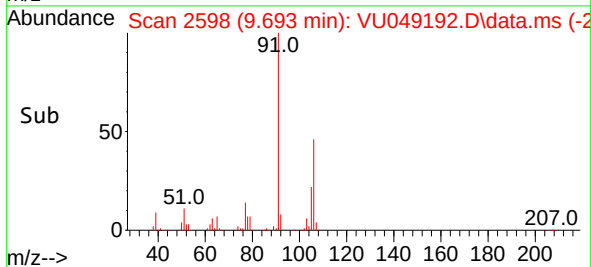
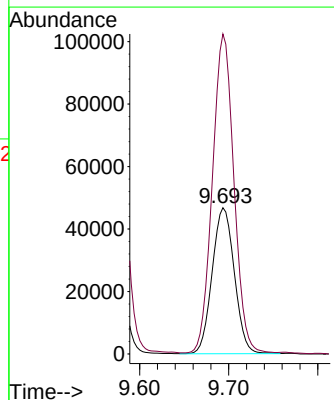
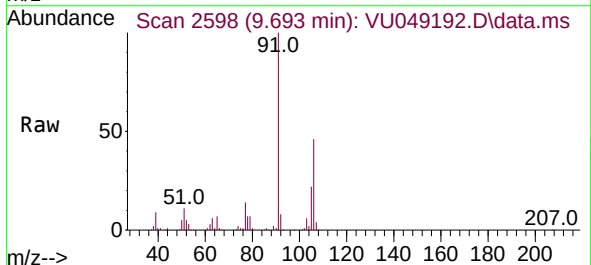
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

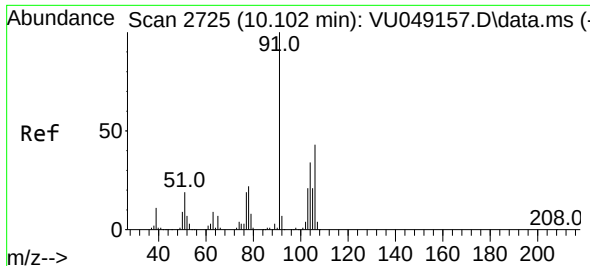
Tgt Ion: 91 Resp: 218950  
Ion Ratio Lower Upper  
91 100  
106 29.6 21.2 39.4



#53  
m,p-Xylene  
Concen: 5.352 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 106 Resp: 80692  
Ion Ratio Lower Upper  
106 100  
91 218.8 148.5 275.7

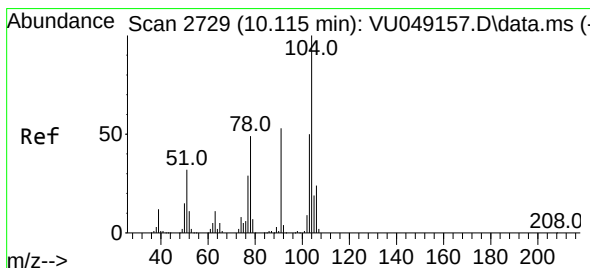
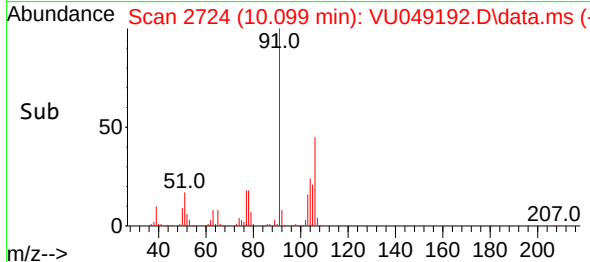
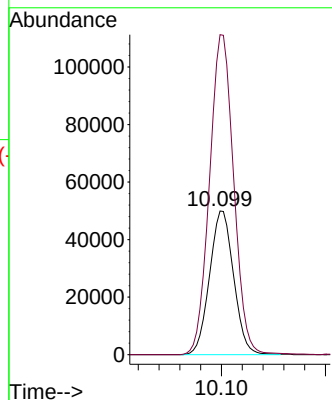
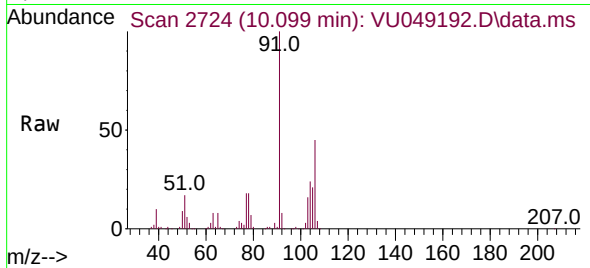




#54  
o-Xylene  
Concen: 5.375 ug/L  
RT: 10.099 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

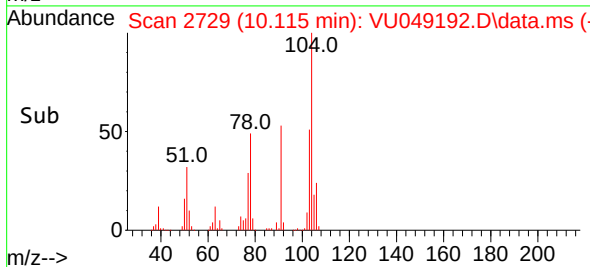
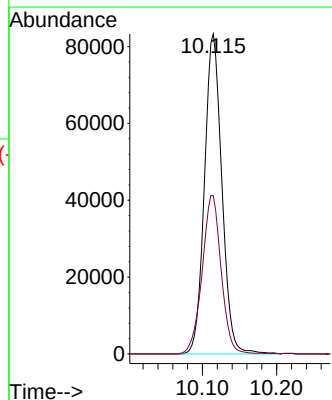
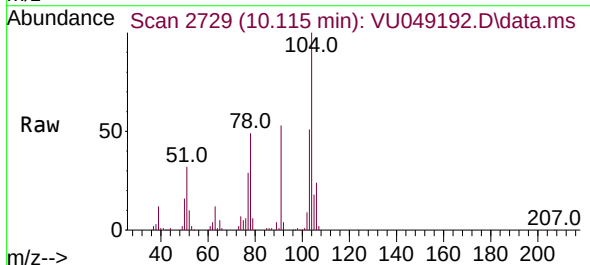
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

Tgt Ion:106 Resp: 80341  
Ion Ratio Lower Upper  
106 100  
91 222.8 157.5 292.5

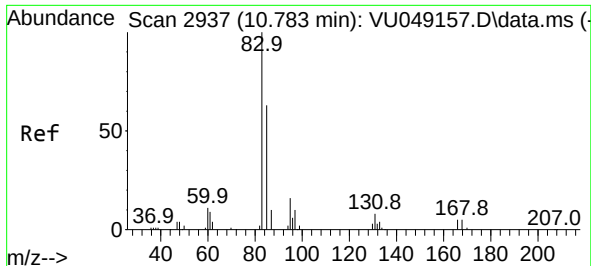


#55  
Styrene  
Concen: 5.417 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion:104 Resp: 135621  
Ion Ratio Lower Upper  
104 100  
78 49.4 34.1 63.3



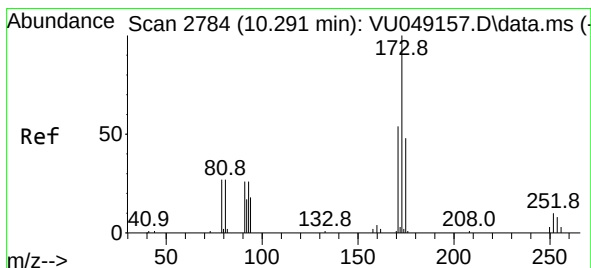
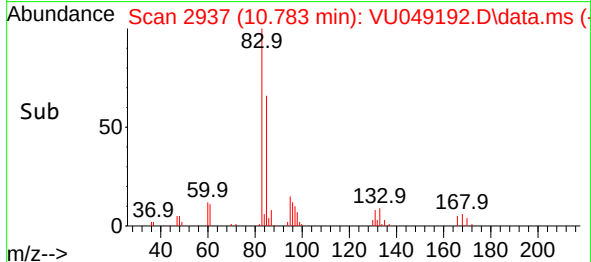
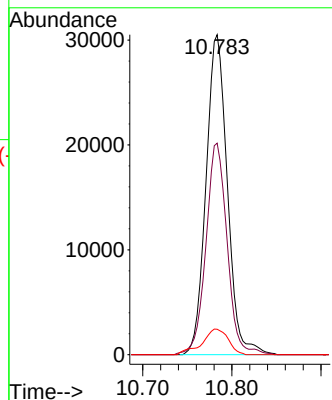
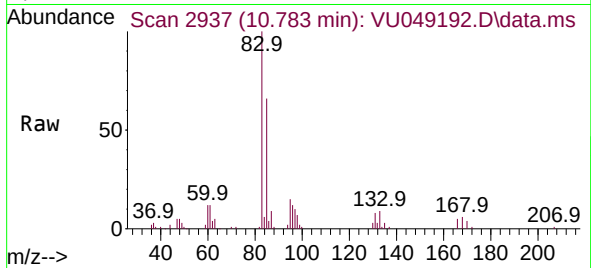




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.706 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

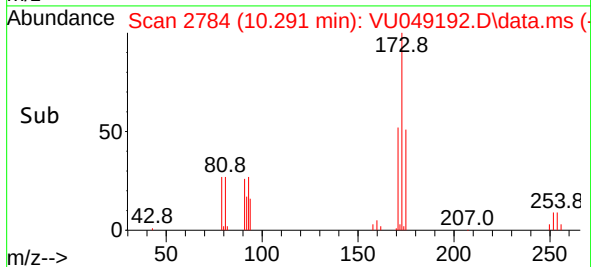
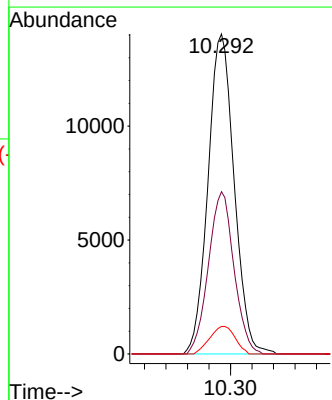
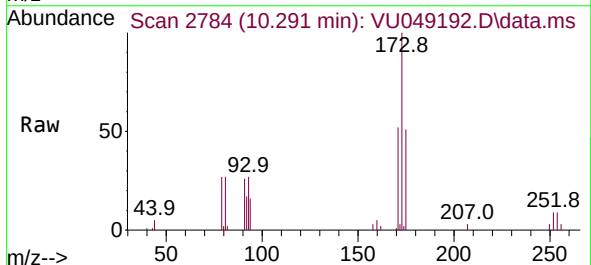
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

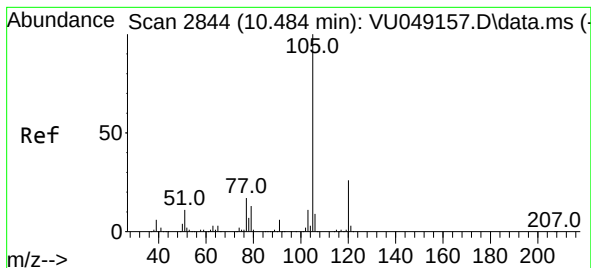
Tgt Ion: 83 Resp: 50666  
Ion Ratio Lower Upper  
83 100  
85 66.1 45.4 84.4  
131 8.0 7.1 10.7



#59  
Bromoform  
Concen: 5.272 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 173 Resp: 23676  
Ion Ratio Lower Upper  
173 100  
175 49.5 37.9 56.9  
254 8.4 6.6 9.8





#60

Isopropylbenzene

Concen: 5.321 ug/L

RT: 10.484 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005115

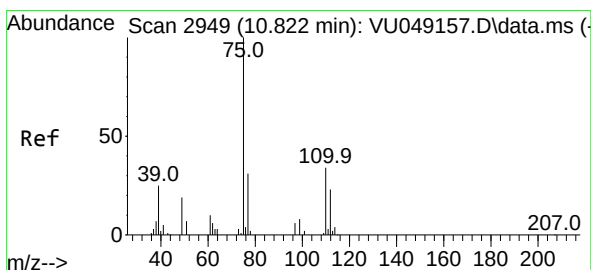
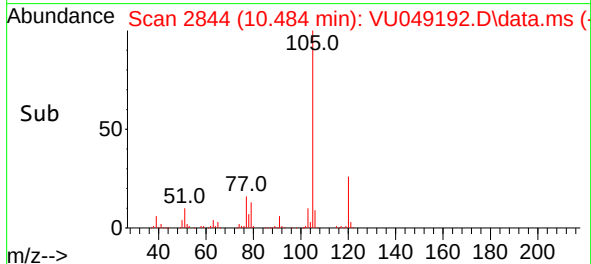
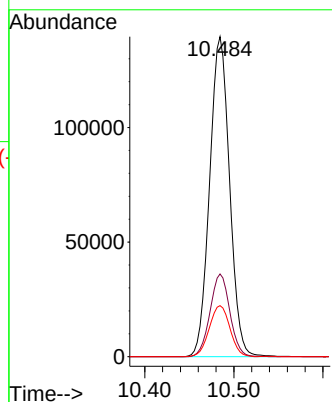
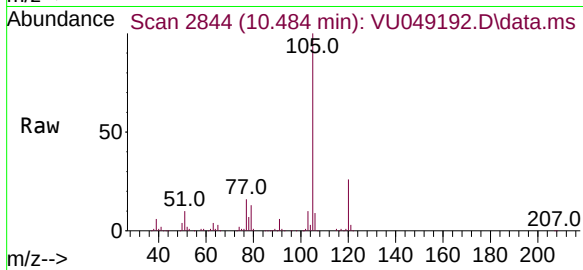
Tgt Ion:105 Resp: 216694

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 16.5 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.506 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

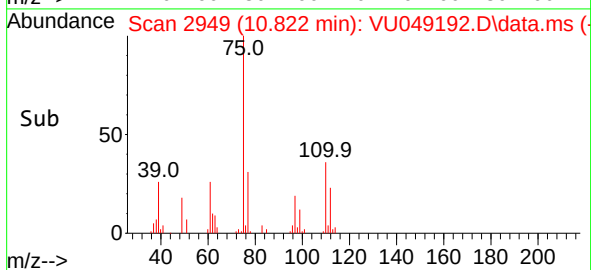
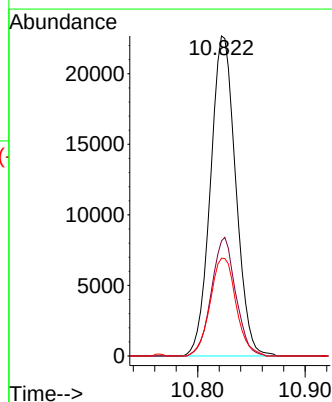
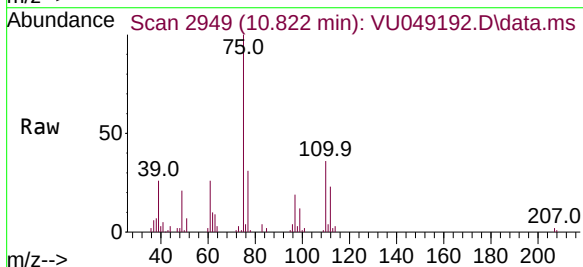
Tgt Ion: 75 Resp: 36934

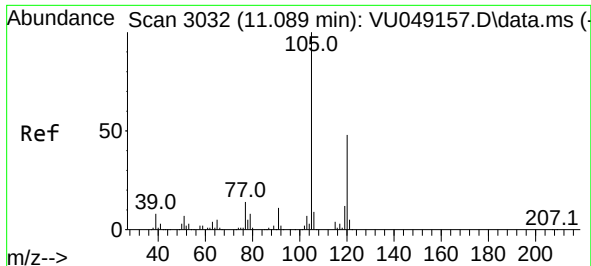
Ion Ratio Lower Upper

75 100

110 35.6 29.0 43.4

77 31.5 26.2 39.2

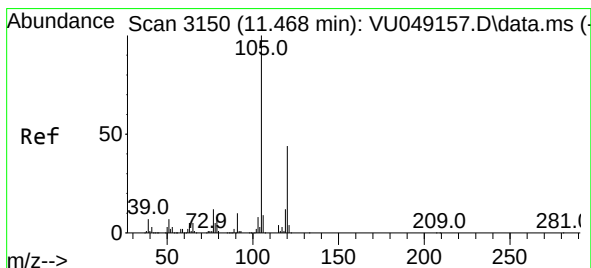
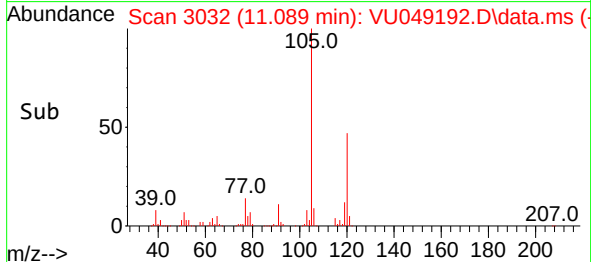
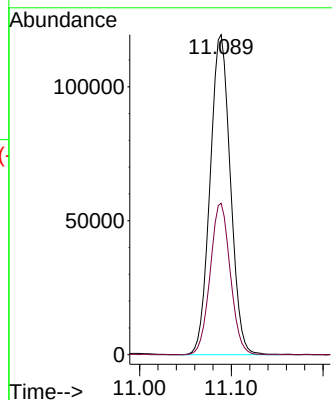
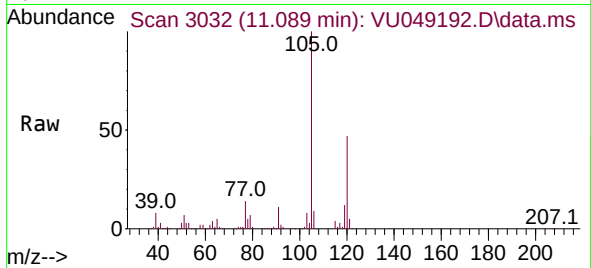




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.114 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. 0.000 min  
 Lab File: VU049192.D  
 Acq: 16 Jun 2022 00:23

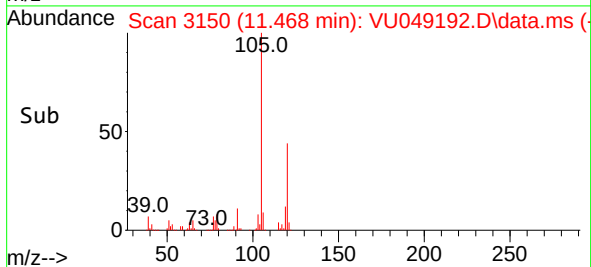
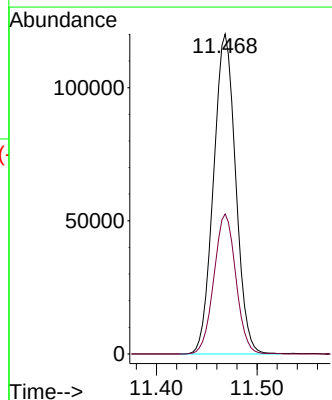
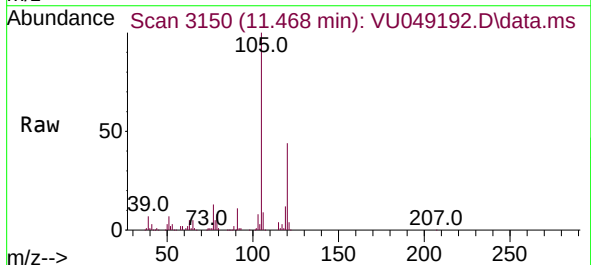
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005115

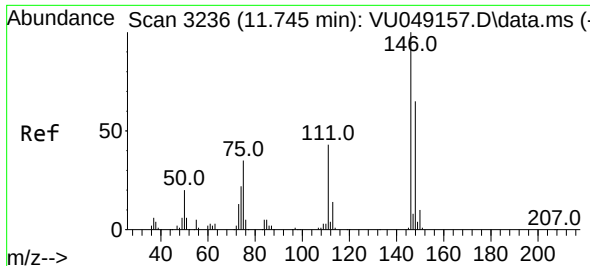
Tgt Ion:105 Resp: 183831  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 37.8 56.6



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.167 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. 0.000 min  
 Lab File: VU049192.D  
 Acq: 16 Jun 2022 00:23

Tgt Ion:105 Resp: 183998  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 34.6 52.0

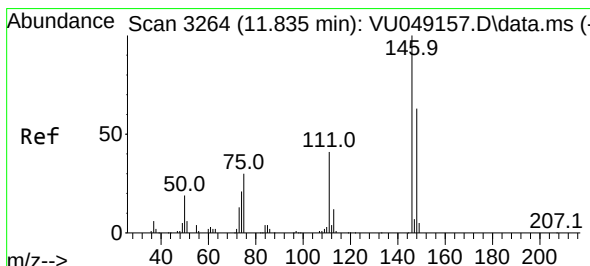
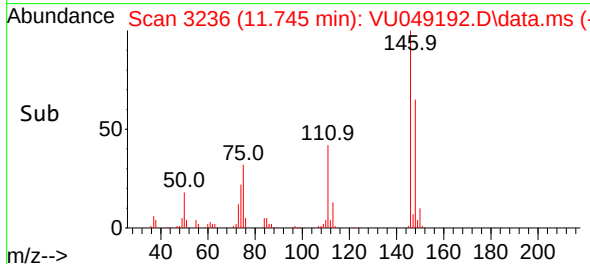
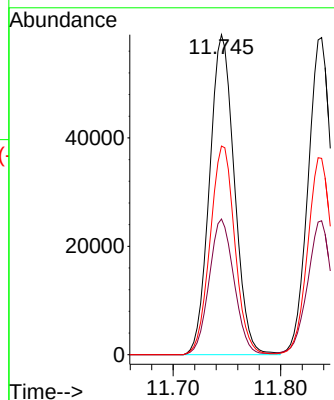
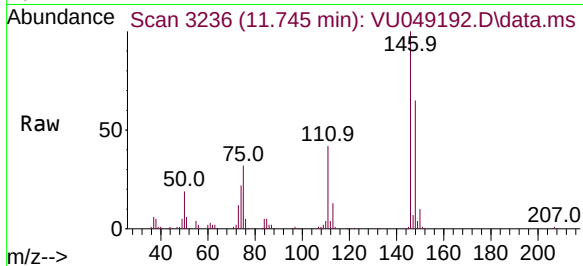




#64  
1,3-Dichlorobenzene  
Concen: 5.432 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

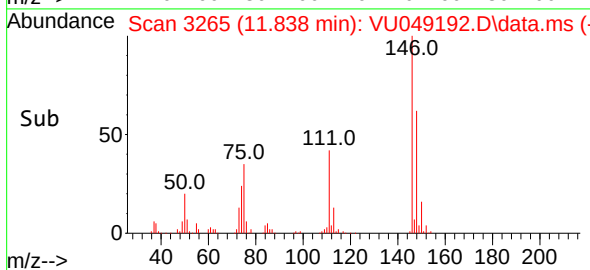
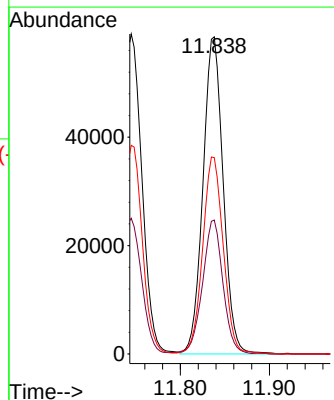
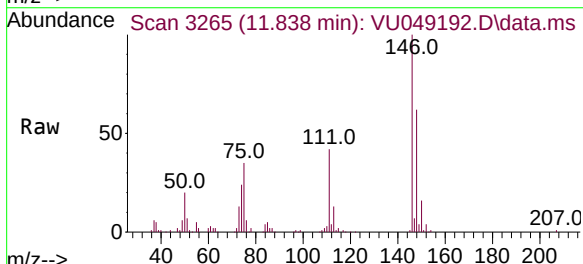
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

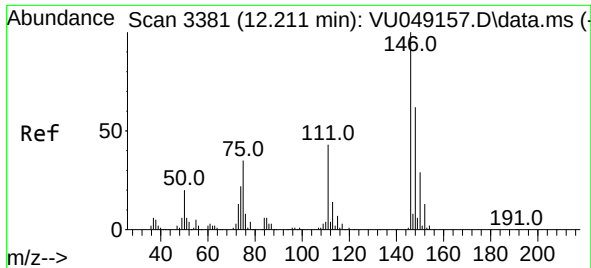
Tgt Ion:146 Resp: 94672  
Ion Ratio Lower Upper  
146 100  
111 42.4 30.9 57.5  
148 65.2 46.1 85.7



#65  
1,4-Dichlorobenzene  
Concen: 5.365 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion:146 Resp: 92418  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.8 55.4  
148 61.9 44.7 83.1

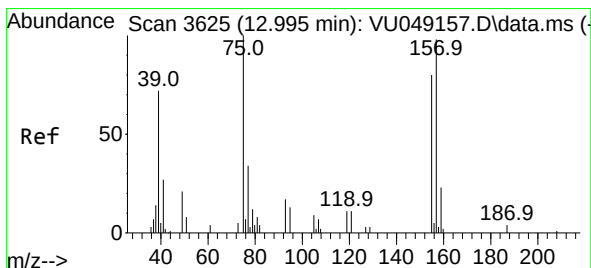
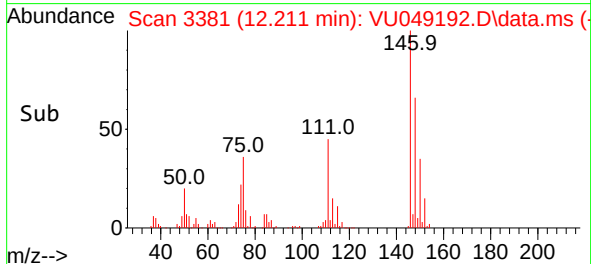
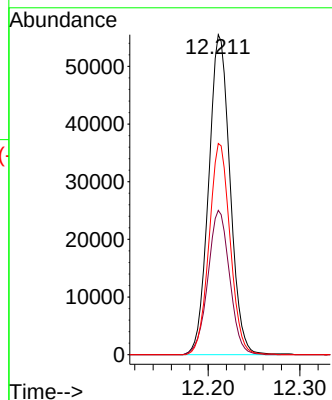
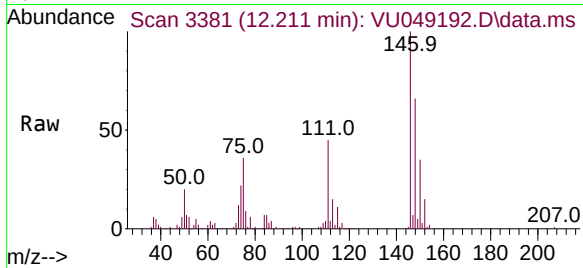




#67  
1,2-Dichlorobenzene  
Concen: 5.418 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

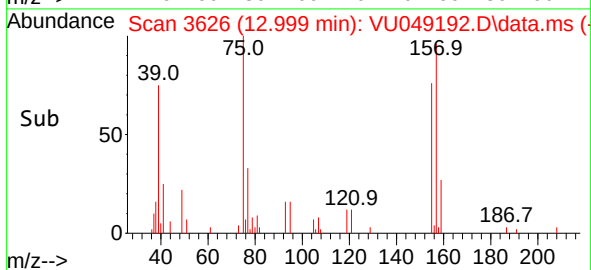
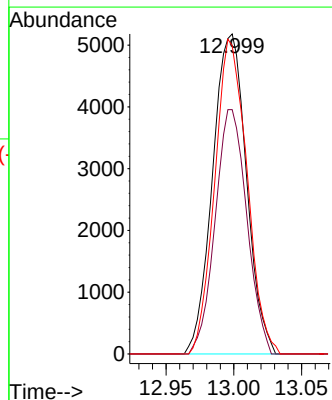
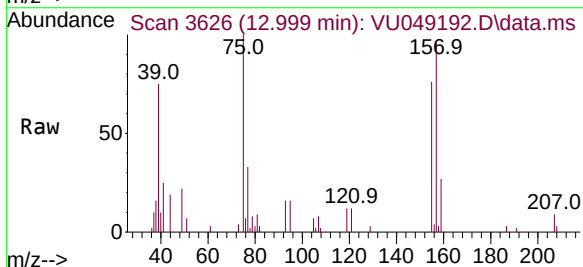
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

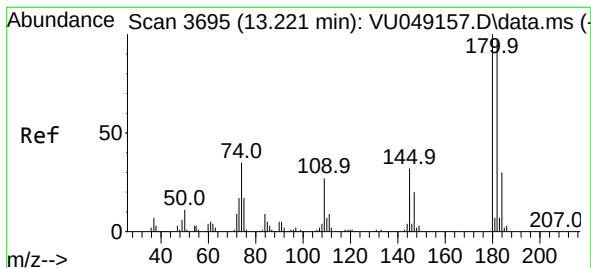
Tgt Ion:146 Resp: 89857  
Ion Ratio Lower Upper  
146 100  
111 45.1 36.6 55.0  
148 66.0 52.2 78.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.917 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.003 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion: 75 Resp: 8989  
Ion Ratio Lower Upper  
75 100  
155 76.4 52.0 78.0  
157 96.4 71.4 107.2





#69

1,3,5-Trichlorobenzene

Concen: 5.325 ug/L

RT: 13.221 min Scan# 3695

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTD005115

Tgt Ion:180 Resp: 69588

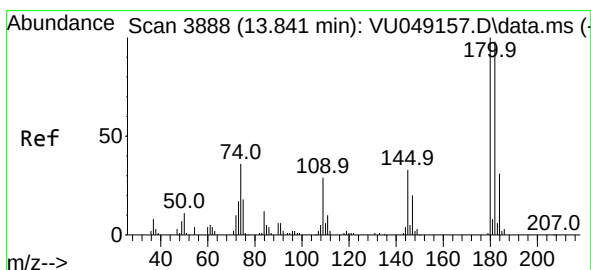
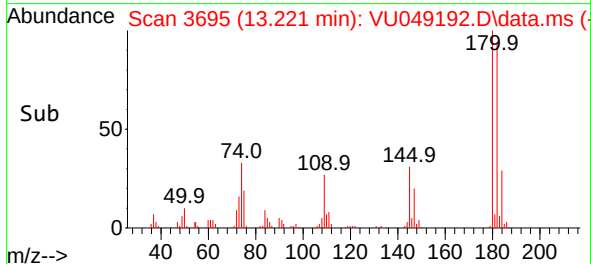
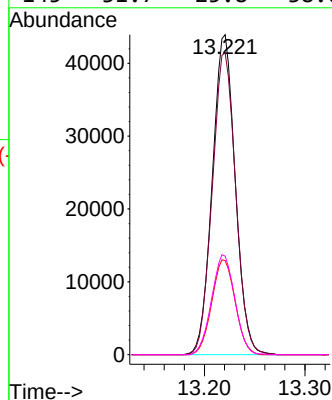
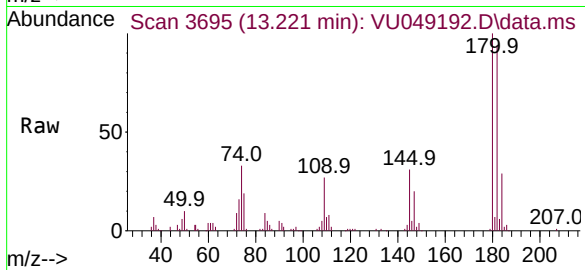
Ion Ratio Lower Upper

180 100

182 96.0 75.0 112.4

184 30.2 23.2 34.8

145 31.7 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 5.570 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU049192.D

Acq: 16 Jun 2022 00:23

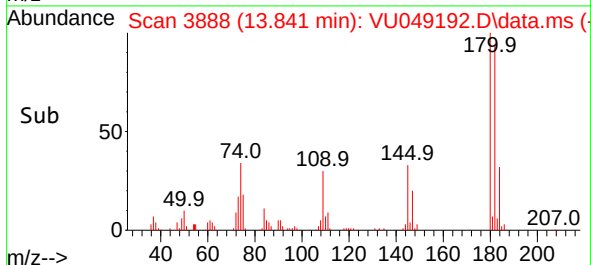
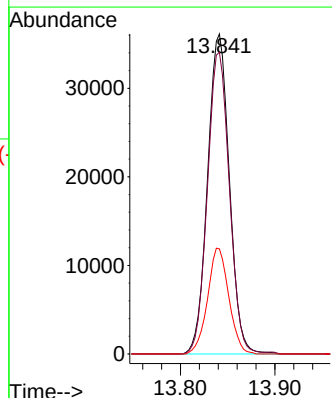
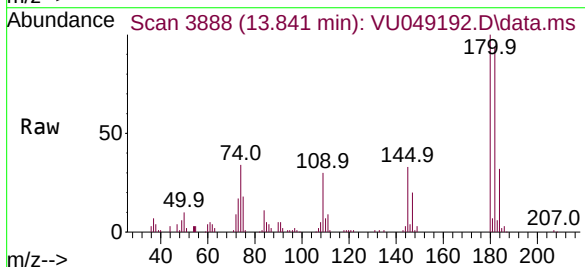
Tgt Ion:180 Resp: 57869

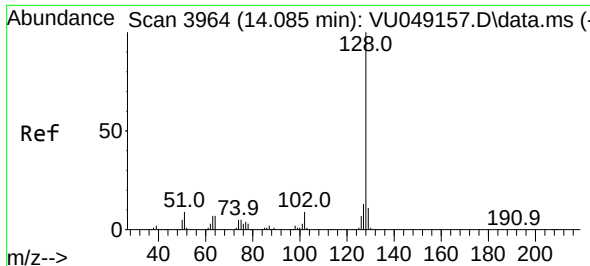
Ion Ratio Lower Upper

180 100

182 94.8 74.6 112.0

145 32.3 26.1 39.1

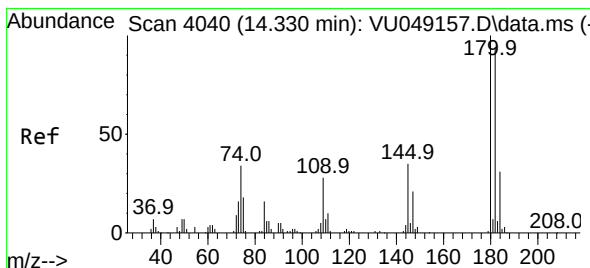
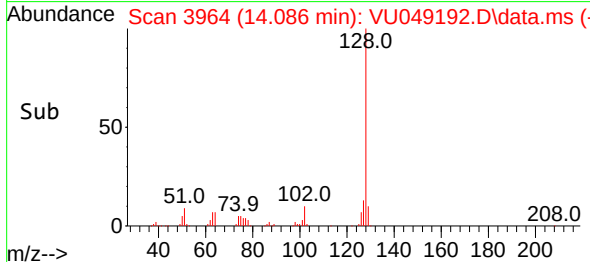
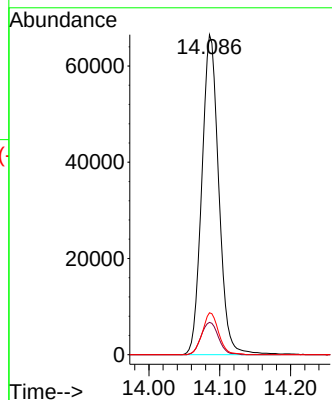
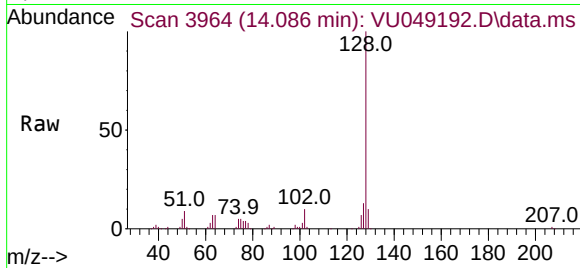




#71  
Naphthalene  
Concen: 5.352 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD005115

Tgt Ion:128 Resp: 110499  
Ion Ratio Lower Upper  
128 100  
129 10.4 9.0 13.6  
127 12.7 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.716 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU049192.D  
Acq: 16 Jun 2022 00:23

Tgt Ion:180 Resp: 55839  
Ion Ratio Lower Upper  
180 100  
182 94.0 75.6 113.4  
145 34.9 27.9 41.9

