

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032522\  
 Data File : VU047664.D  
 Acq On : 25 Mar 2022 09:39  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

Quant Time: Mar 26 02:01:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 24 23:34:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 248473     | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 257089     | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 154164     | 50.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 74777      | 41.500  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 83.000% |       |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 63748      | 44.869  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 89.740% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.575          | 63   | 149146     | 45.242  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.480% |       |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 152832     | 98.821  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 98.820% |       |          |
| 24) Chloroform-d              | 5.070          | 84   | 158394     | 48.043  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.080% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 96915      | 47.929  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.860% |       |          |
| 32) Benzene-d6                | 5.732          | 84   | 312104     | 48.245  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.500% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.693          | 67   | 97237      | 48.944  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.880% |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 302244     | 47.954  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.900% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 49632      | 49.311  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 98.620% |       |          |
| 47) 2-Hexanone-d5             | 8.635          | 63   | 115024     | 98.901  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 98.900% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 161670     | 47.417  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.840% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 131009     | 47.766  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.540% |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388          | 85   | 110232     | 47.852  | ug/L  | 99       |
| 3) Chloromethane              | 1.526          | 50   | 102699     | 46.618  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.607          | 62   | 103961     | 46.271  | ug/L  | 98       |
| 6) Bromomethane               | 1.864          | 94   | 60805      | 50.281  | ug/L  | 99       |
| 8) Chloroethane               | 1.938          | 64   | 67254      | 47.683  | ug/L  | 95       |
| 9) Trichlorofluoromethane     | 2.144          | 101  | 144741     | 45.684  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.587          | 101  | 87421      | 47.735  | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 2.584          | 96   | 79277      | 46.513  | ug/L  | 94       |
| 13) Acetone                   | 2.652          | 43   | 152604     | 106.033 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.800          | 76   | 246760     | 45.802  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.957          | 43   | 109012     | 47.500  | ug/L  | 99       |
| 16) Methylene chloride        | 3.050          | 84   | 92836      | 47.466  | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 3.359          | 96   | 86596      | 47.104  | ug/L  | 94       |
| 18) Methyl tert-butyl Ether   | 3.369          | 73   | 255367     | 49.237  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 153841     | 48.522  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 97192      | 48.224  | ug/L  | 97       |
| 22) 2-Butanone                | 4.719          | 43   | 186289     | 100.482 | ug/L  | 98       |
| 23) Bromochloromethane        | 4.980          | 128  | 53113      | 47.998  | ug/L  | 99       |
| 25) Chloroform                | 5.092          | 83   | 163588     | 47.924  | ug/L  | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

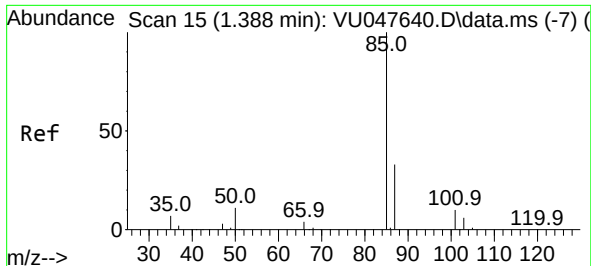
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

Quant Time: Mar 26 02:01:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 24 23:34:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 127015   | 48.162 | ug/L  | 99       |
| 29) Cyclohexane               | 5.394  | 56   | 129970   | 49.821 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 143173   | 49.114 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.529  | 117  | 127183   | 48.315 | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 366438   | 49.242 | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 94859    | 48.622 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.767  | 83   | 148834   | 50.146 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 94148    | 49.768 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 126943   | 48.866 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 145229   | 49.477 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 294524   | 98.507 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 408185   | 49.991 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 143340   | 48.909 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 96651    | 48.173 | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 85527    | 48.784 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 257006   | 99.930 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.812  | 129  | 112180   | 48.275 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 109146   | 48.526 | ug/L  | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 267728   | 48.291 | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 426606   | 49.690 | ug/L  | 98       |
| 53) m,p-Xylene                | 9.697  | 106  | 169574   | 50.338 | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 164074   | 49.625 | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 280604   | 49.710 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 178655   | 47.498 | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 92921    | 47.136 | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 140479   | 48.337 | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.484 | 105  | 422399   | 50.697 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 227960   | 50.427 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 354260   | 51.591 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 228418   | 49.324 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 228112   | 47.556 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 226008   | 48.775 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 45955    | 49.364 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.220 | 180  | 182722   | 48.583 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 161302   | 48.964 | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 475582   | 48.422 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 160687   | 48.657 | ug/L  | 99       |

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

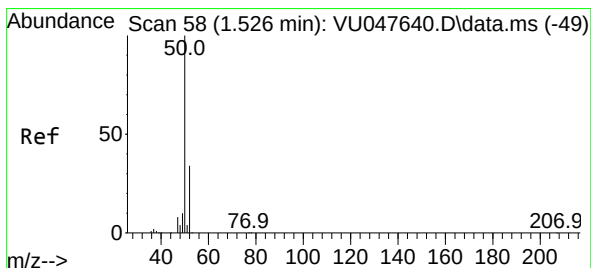
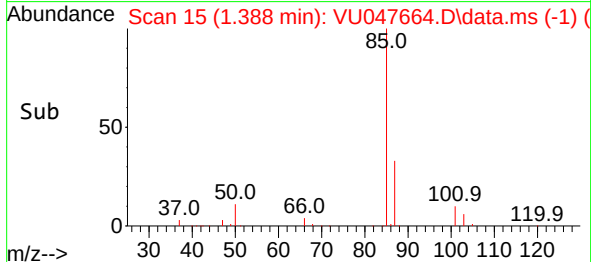
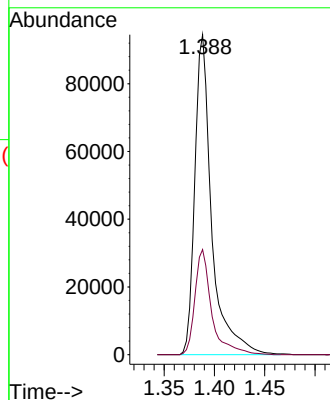
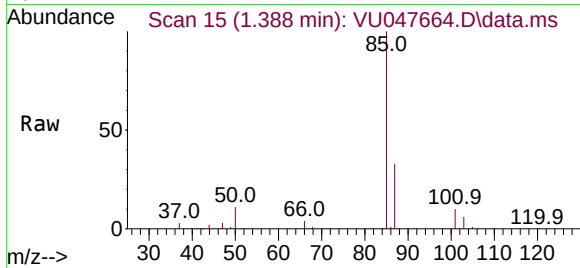




#2  
Dichlorodifluoromethane  
Concen: 47.852 ug/L  
RT: 1.388 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

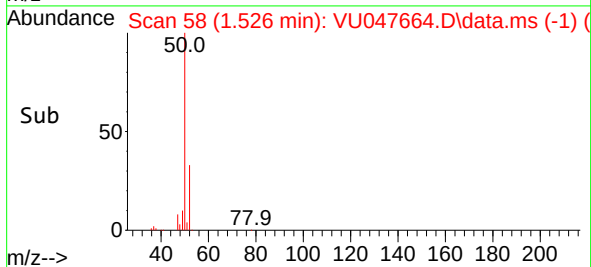
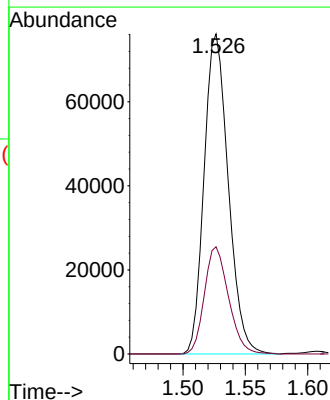
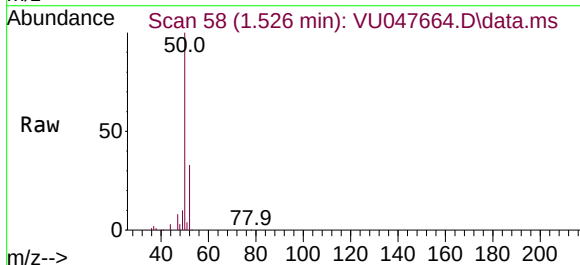
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

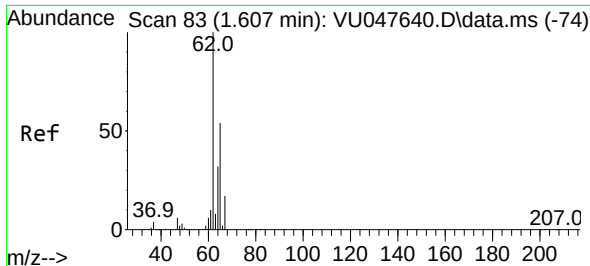
Tgt Ion: 85 Resp: 110232  
Ion Ratio Lower Upper  
85 100  
87 32.7 25.8 38.8



#3  
Chloromethane  
Concen: 46.618 ug/L  
RT: 1.526 min Scan# 58  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 50 Resp: 102699  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2

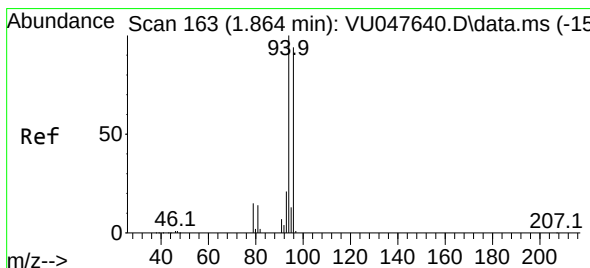
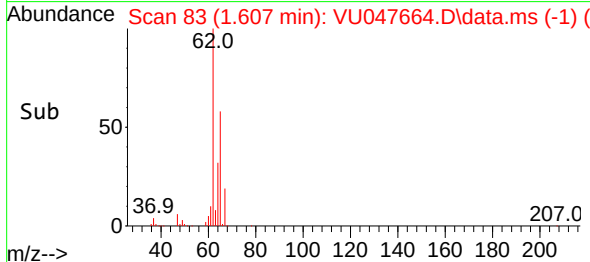
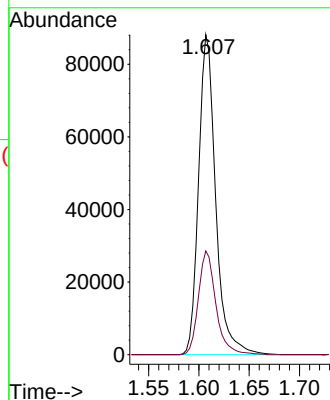
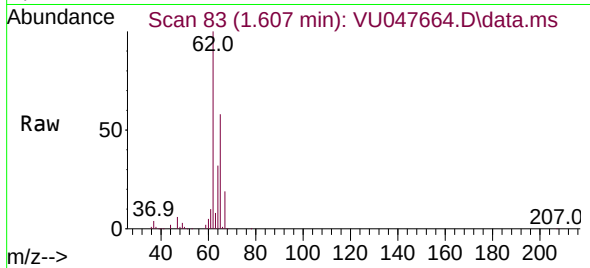




#5  
 Vinyl chloride  
 Concen: 46.271 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

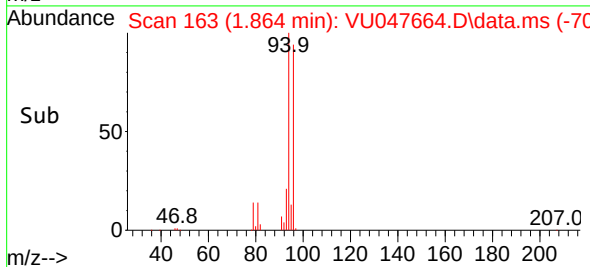
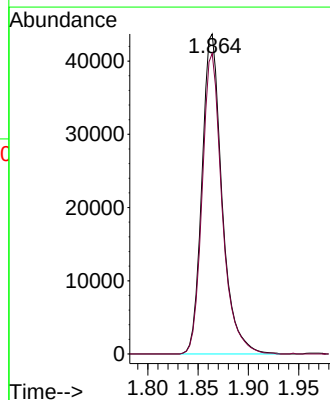
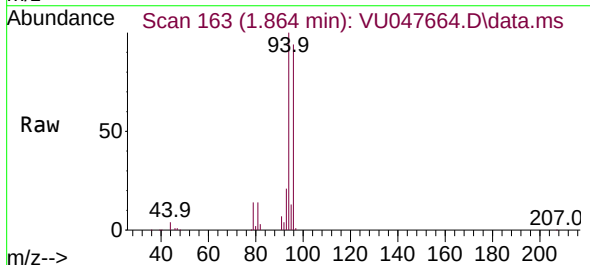
Instrument :  
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 ClientSampleId :  
 VSTD050176

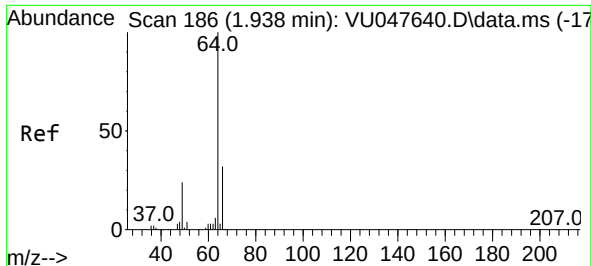
Tgt Ion: 62 Resp: 103961  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 23.7 43.9



#6  
 Bromomethane  
 Concen: 50.281 ug/L  
 RT: 1.864 min Scan# 163  
 Delta R.T. -0.000 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

Tgt Ion: 94 Resp: 60805  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 64.8 120.3

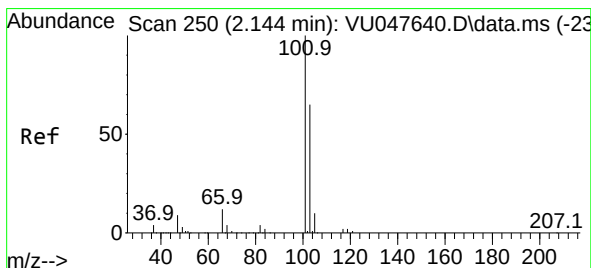
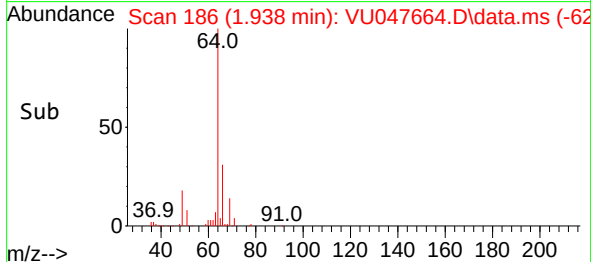
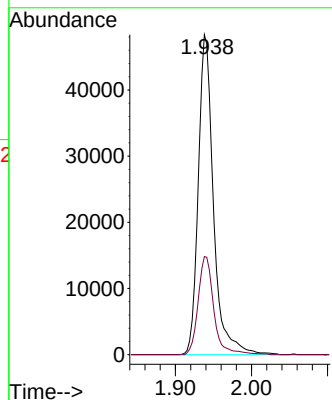
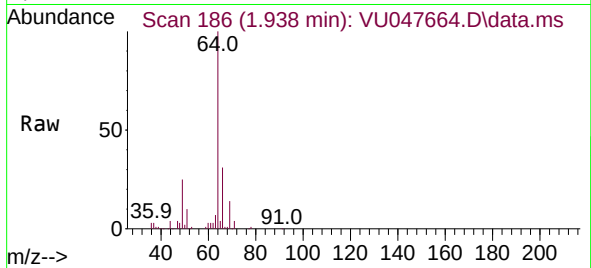




#8  
Chloroethane  
Concen: 47.683 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

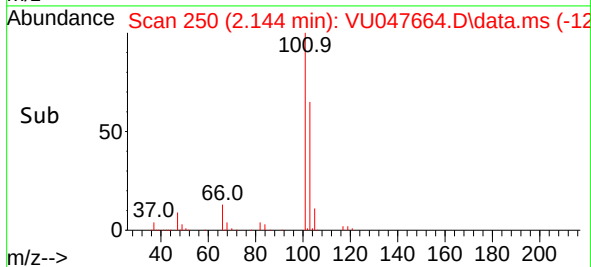
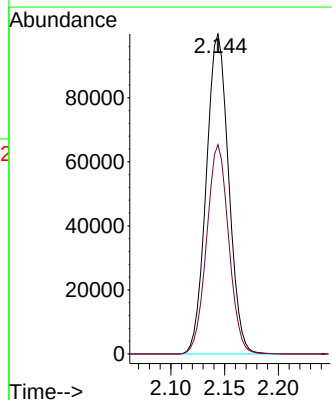
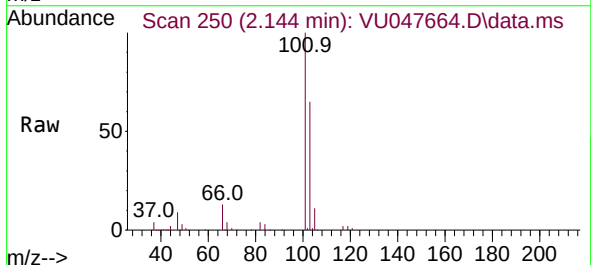
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ClientSampleId :  
VSTD050176

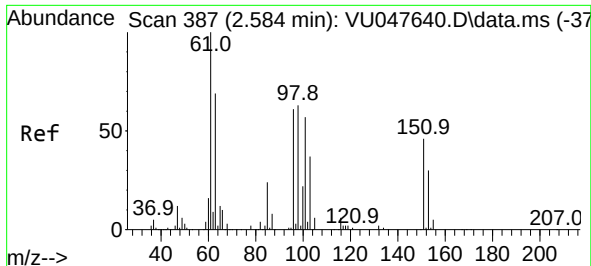
Tgt Ion: 64 Resp: 67254  
Ion Ratio Lower Upper  
64 100  
66 30.6 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 45.684 ug/L  
RT: 2.144 min Scan# 250  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 101 Resp: 144741  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.2

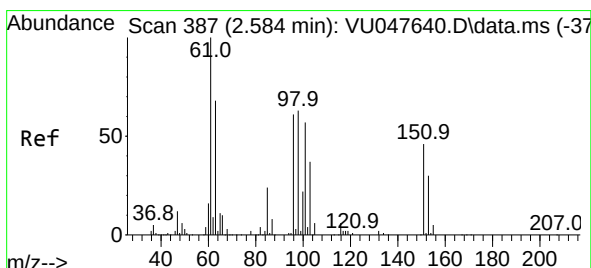
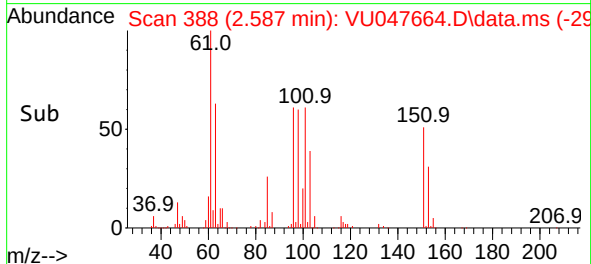
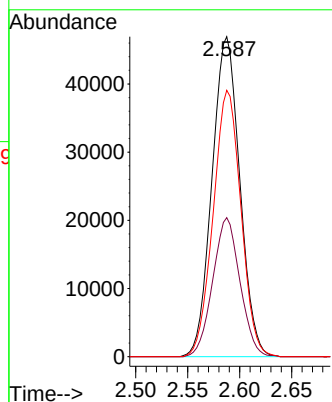
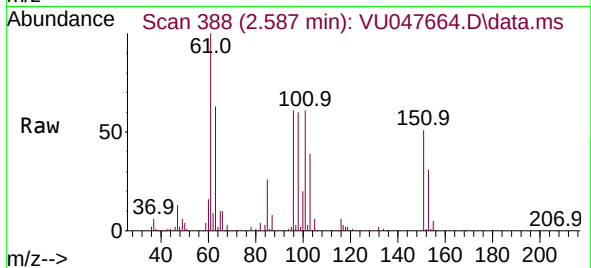




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 47.735 ug/L  
RT: 2.587 min Scan# 388  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

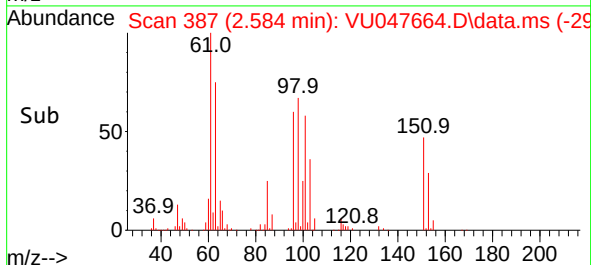
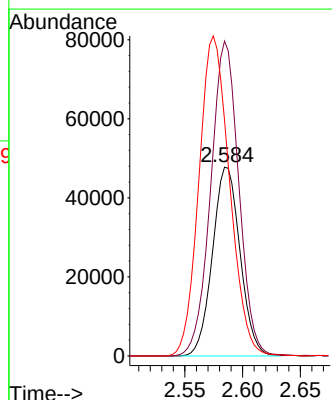
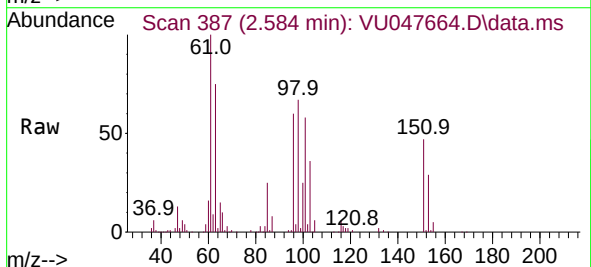
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

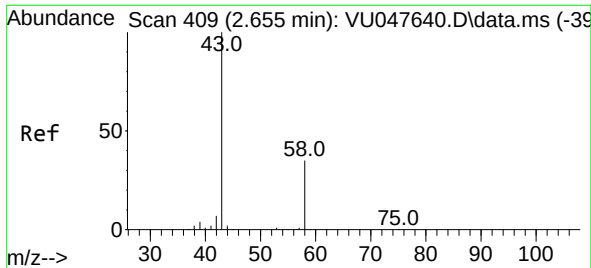
Tgt Ion:101 Resp: 87421  
Ion Ratio Lower Upper  
101 100  
85 42.5 32.8 49.2  
151 83.0 63.0 94.6



#12  
1,1-Dichloroethene  
Concen: 46.513 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 96 Resp: 79277  
Ion Ratio Lower Upper  
96 100  
61 166.8 113.1 210.1  
63 125.0 94.8 176.0





#13

Acetone

Concen: 106.033 ug/L

RT: 2.652 min Scan# 409

Delta R.T. -0.003 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

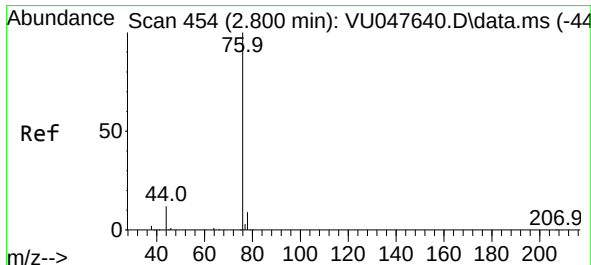
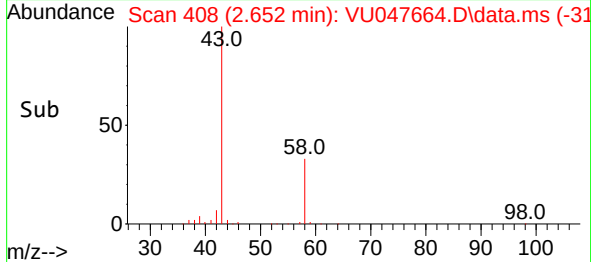
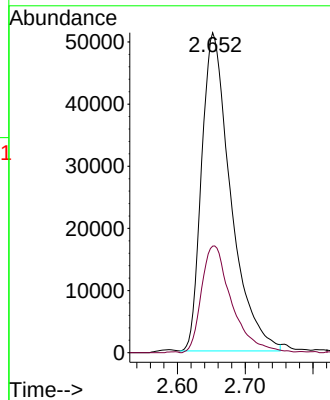
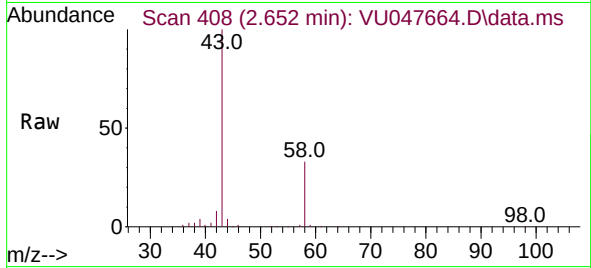
VSTD050176

Tgt Ion: 43 Resp: 152604

Ion Ratio Lower Upper

43 100

58 34.8 0.0 70.0



#14

Carbon disulfide

Concen: 45.802 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU047664.D

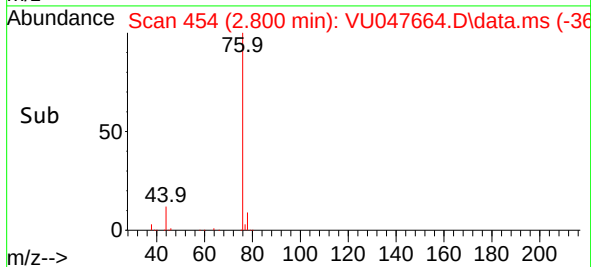
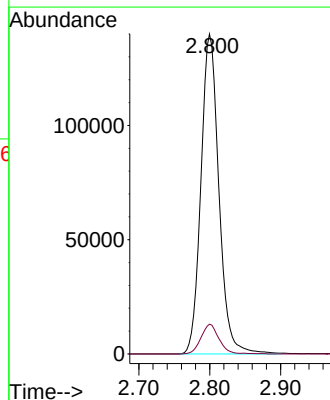
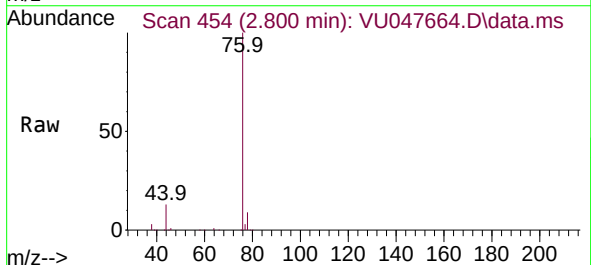
Acq: 25 Mar 2022 09:39

Tgt Ion: 76 Resp: 246760

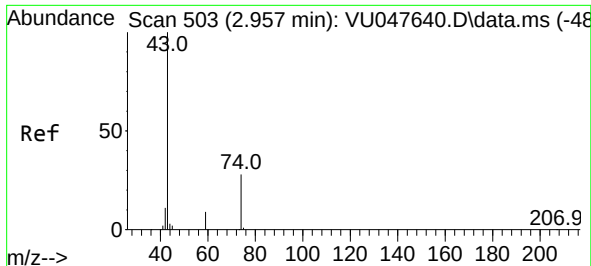
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



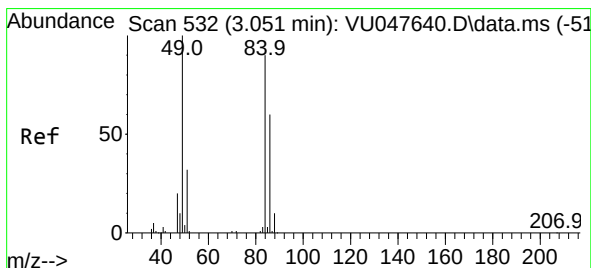
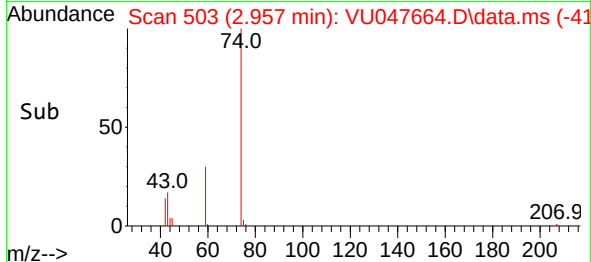
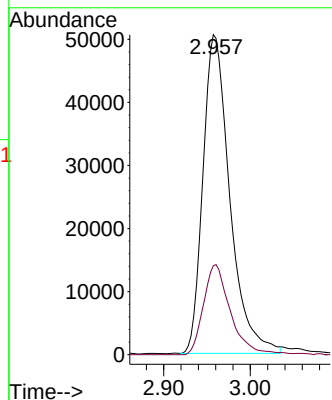
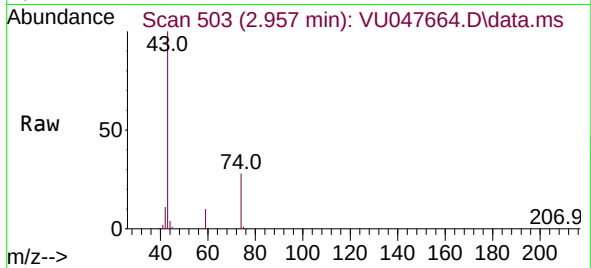




#15  
Methyl Acetate  
Concen: 47.500 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

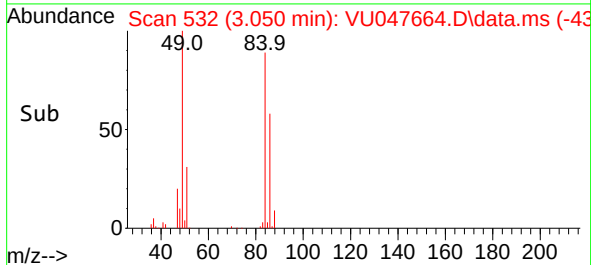
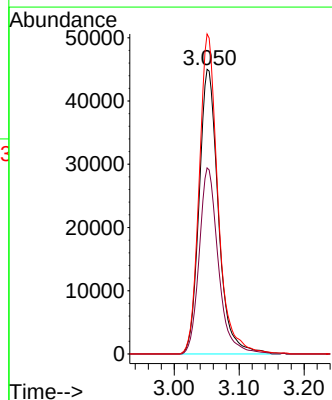
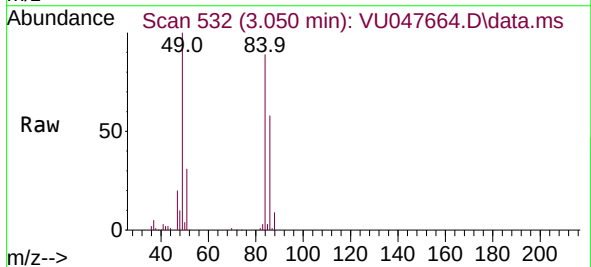
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

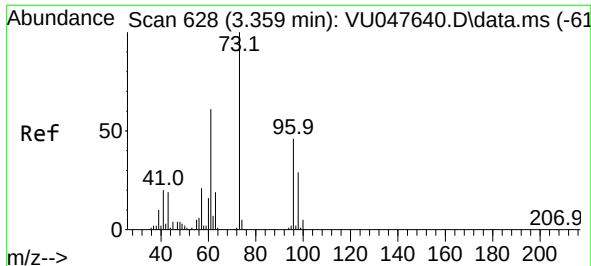
Tgt Ion: 43 Resp: 109012  
Ion Ratio Lower Upper  
43 100  
74 28.1 22.2 33.2



#16  
Methylene chloride  
Concen: 47.466 ug/L  
RT: 3.050 min Scan# 532  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 84 Resp: 92836  
Ion Ratio Lower Upper  
84 100  
86 65.4 46.0 85.4  
49 112.4 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 47.104 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050176

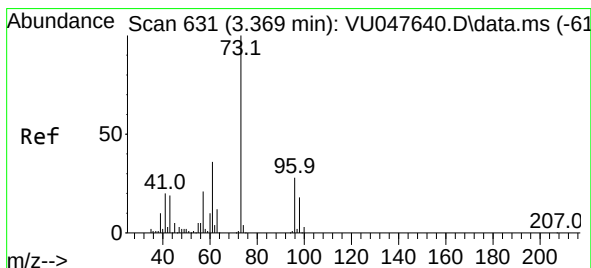
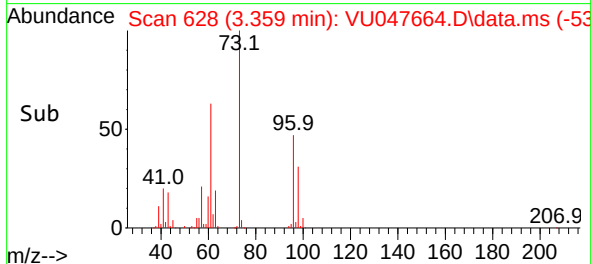
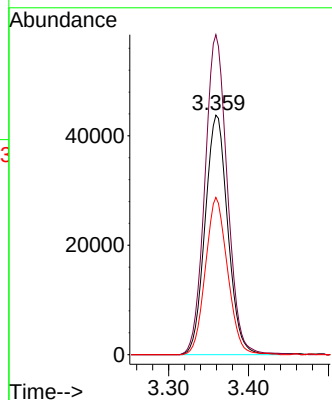
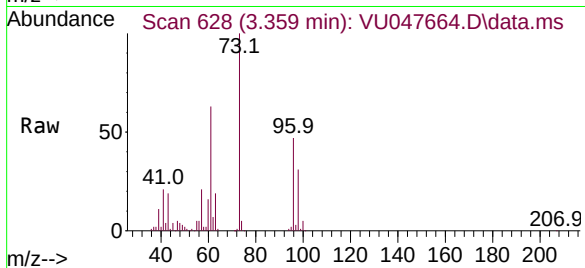
Tgt Ion: 96 Resp: 86596

Ion Ratio Lower Upper

96 100

61 133.6 88.4 164.2

98 65.7 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 49.237 ug/L

RT: 3.369 min Scan# 631

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

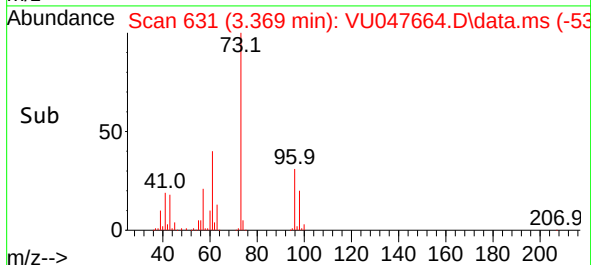
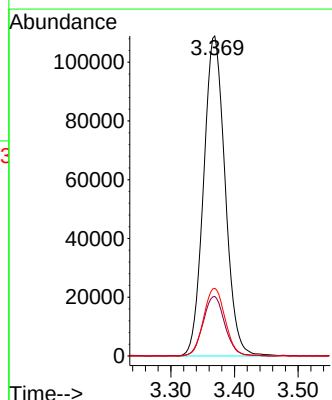
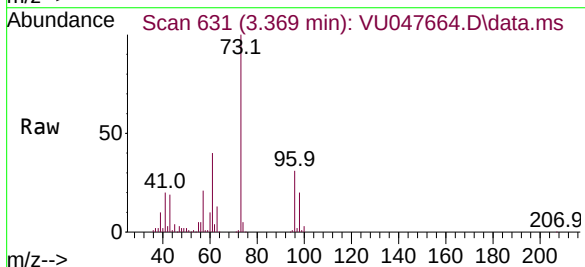
Tgt Ion: 73 Resp: 255367

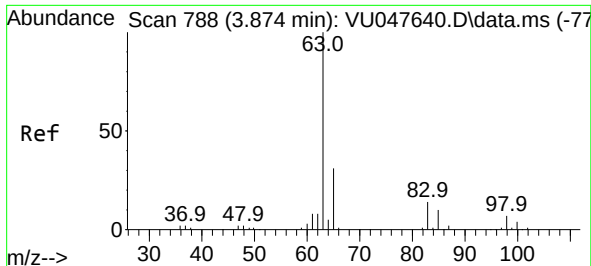
Ion Ratio Lower Upper

73 100

43 18.9 15.3 22.9

57 21.2 17.0 25.6





#19

1,1-Dichloroethane

Concen: 48.522 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050176

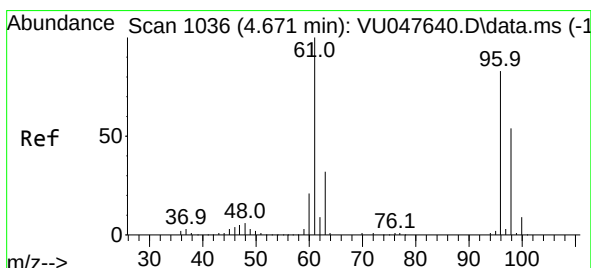
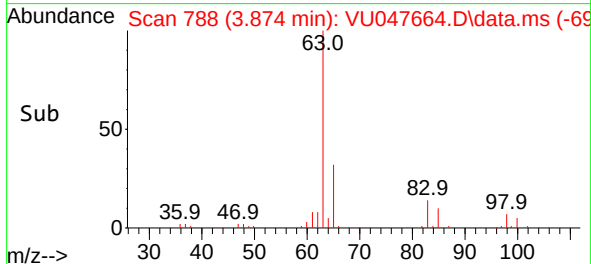
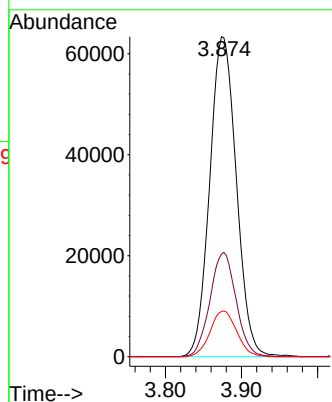
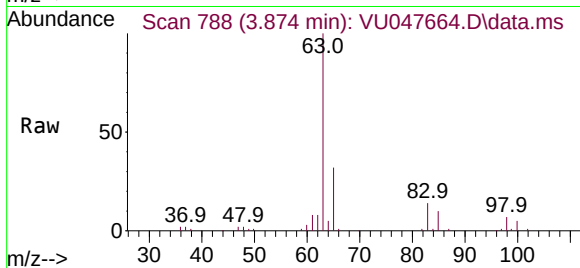
Tgt Ion: 63 Resp: 153841

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 14.1 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 48.224 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

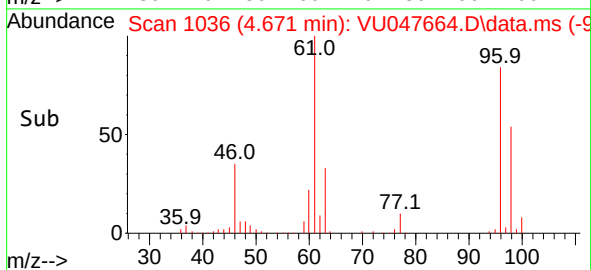
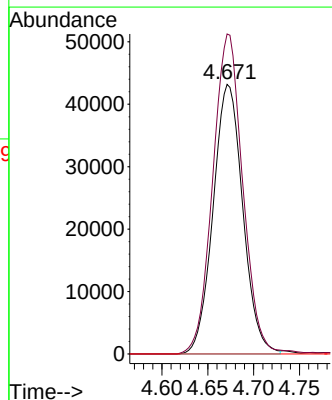
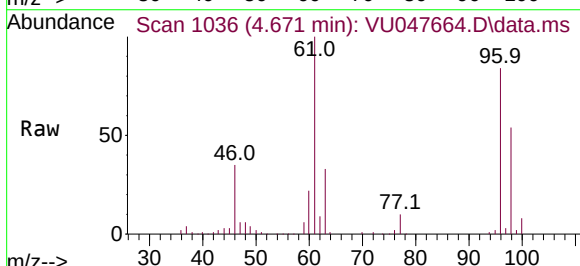
Tgt Ion: 96 Resp: 97192

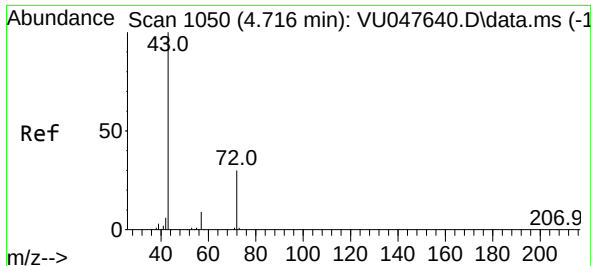
Ion Ratio Lower Upper

96 100

61 118.7 80.7 149.9

68 0.0 0.0 0.0

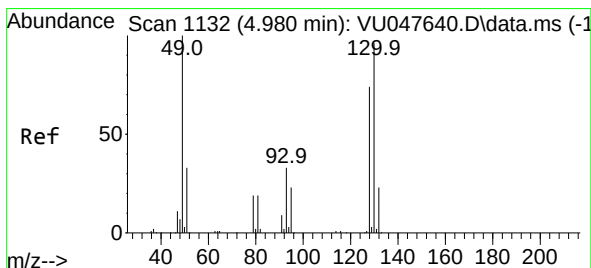
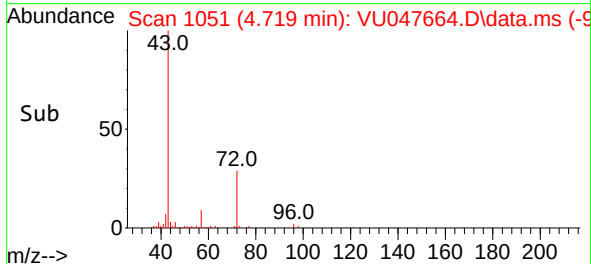
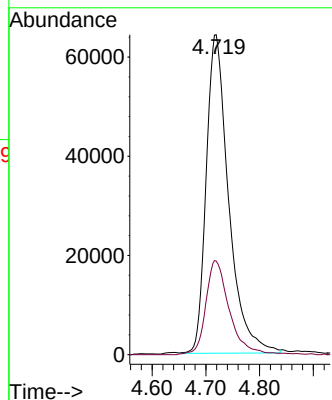
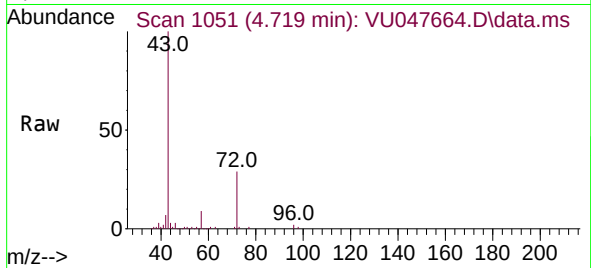




#22  
2-Butanone  
Concen: 100.482 ug/L  
RT: 4.719 min Scan# 1051  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

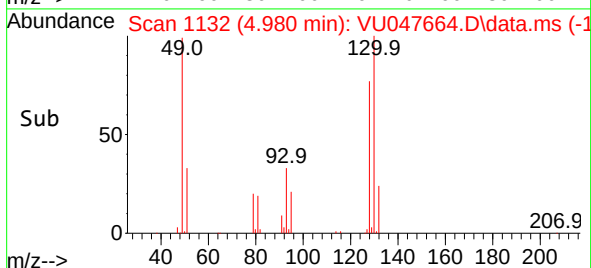
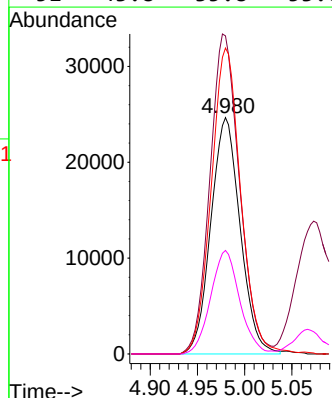
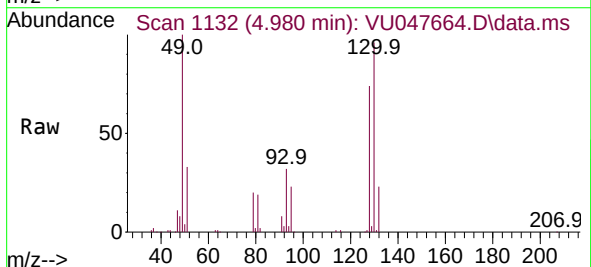
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

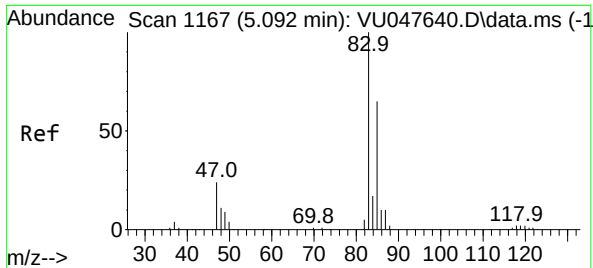
Tgt Ion: 43 Resp: 186289  
Ion Ratio Lower Upper  
43 100  
72 30.6 16.0 47.9



#23  
Bromochloromethane  
Concen: 47.998 ug/L  
RT: 4.980 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion:128 Resp: 53113  
Ion Ratio Lower Upper  
128 100  
49 134.7 94.1 174.8  
130 129.5 90.2 167.4  
51 43.8 35.8 53.6

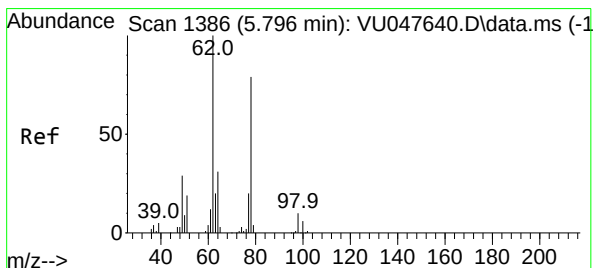
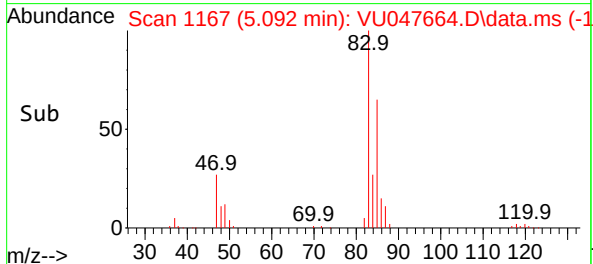
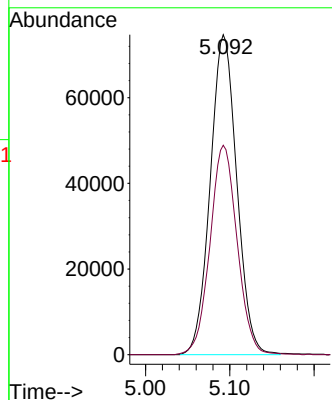
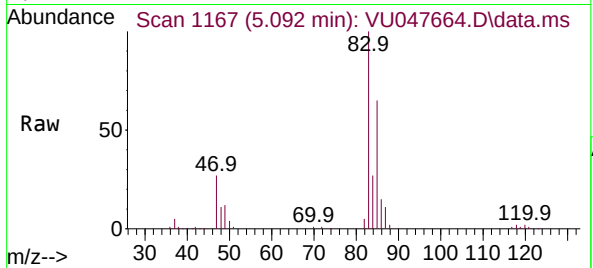




#25  
Chloroform  
Concen: 47.924 ug/L  
RT: 5.092 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

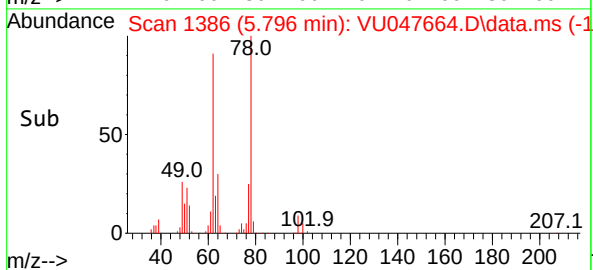
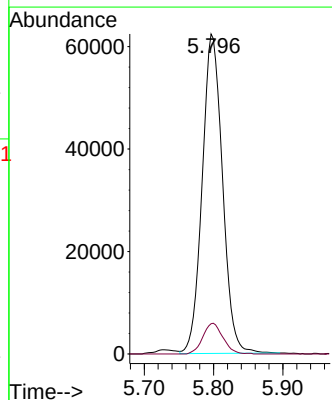
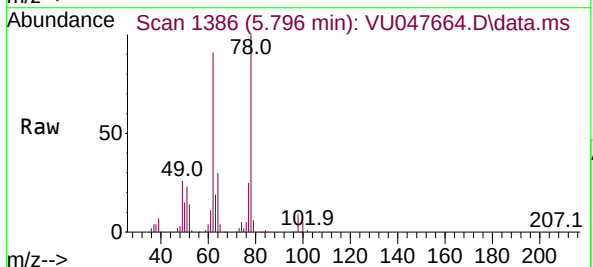
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

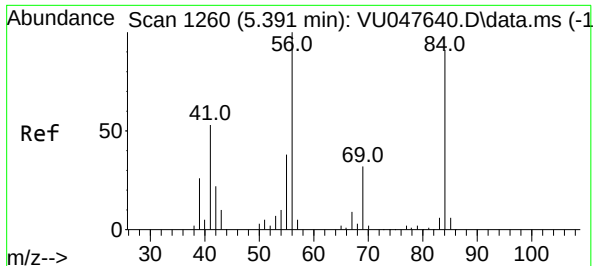
Tgt Ion: 83 Resp: 163588  
Ion Ratio Lower Upper  
83 100  
85 65.4 46.2 85.8



#27  
1,2-Dichloroethane  
Concen: 48.162 ug/L  
RT: 5.796 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 62 Resp: 127015  
Ion Ratio Lower Upper  
62 100  
98 9.4 7.4 11.0





#29

Cyclohexane

Concen: 49.821 ug/L

RT: 5.394 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050176

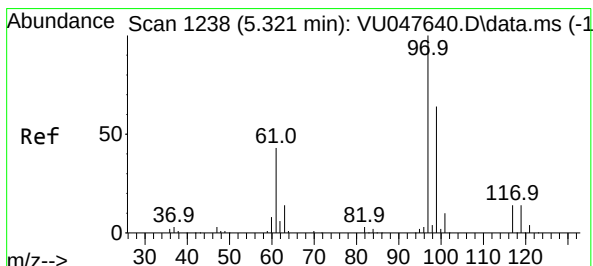
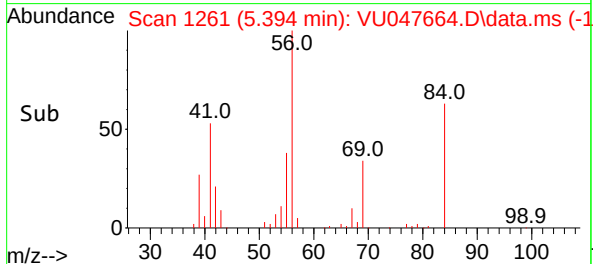
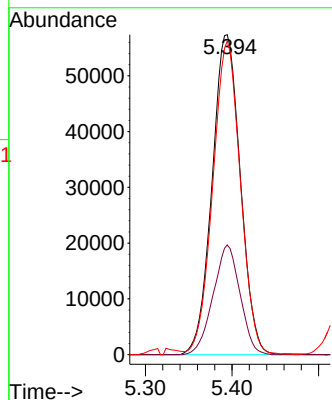
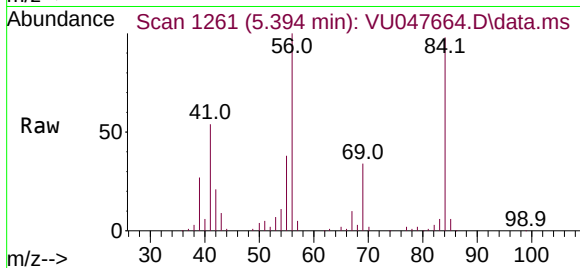
Tgt Ion: 56 Resp: 129970

Ion Ratio Lower Upper

56 100

69 32.6 25.4 38.2

84 95.6 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 49.114 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

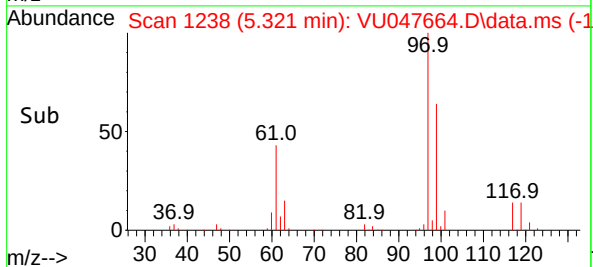
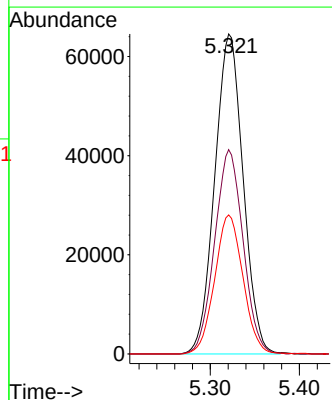
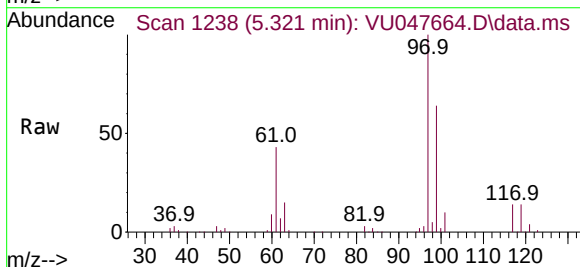
Tgt Ion: 97 Resp: 143173

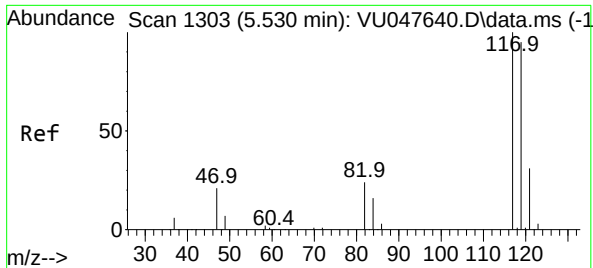
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 43.3 34.2 51.4

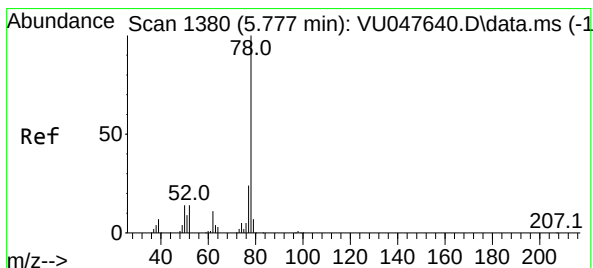
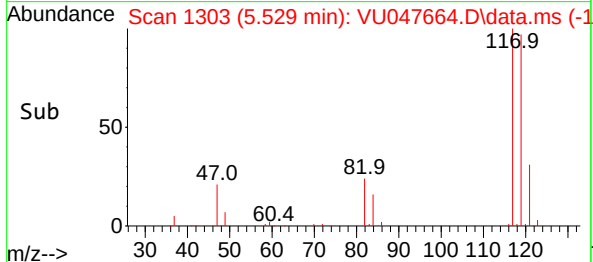
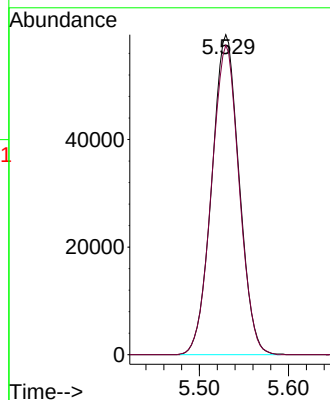
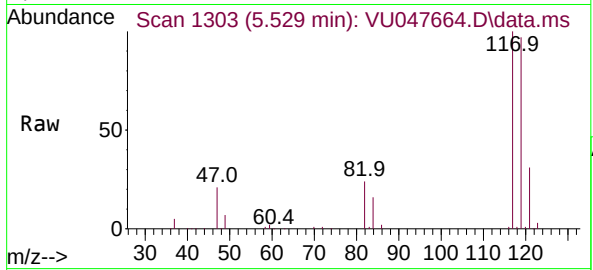




#31  
Carbon tetrachloride  
Concen: 48.315 ug/L  
RT: 5.529 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

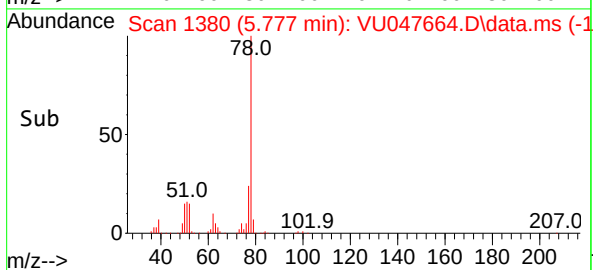
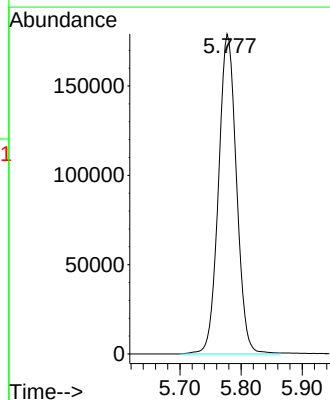
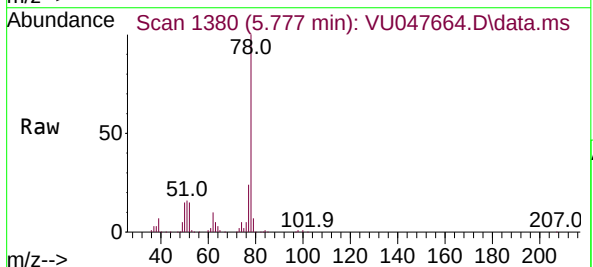
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

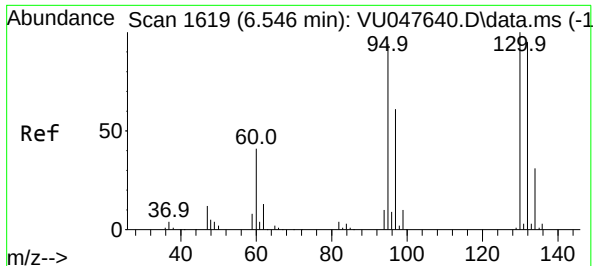
Tgt Ion:117 Resp: 127183  
Ion Ratio Lower Upper  
117 100  
119 97.6 77.2 115.8



#33  
Benzene  
Concen: 49.242 ug/L  
RT: 5.777 min Scan# 1380  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 78 Resp: 366438



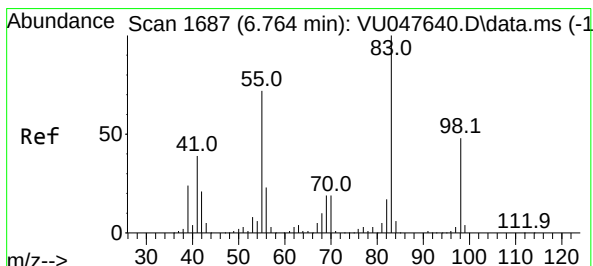
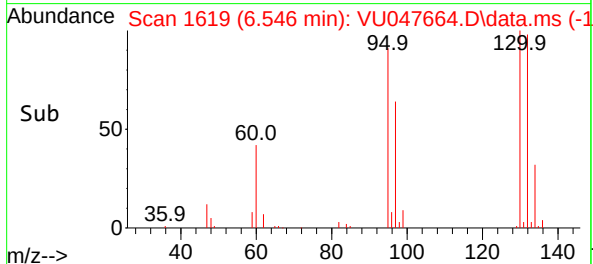
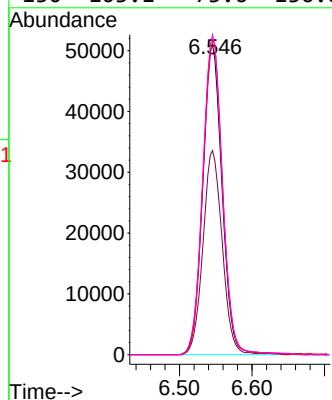
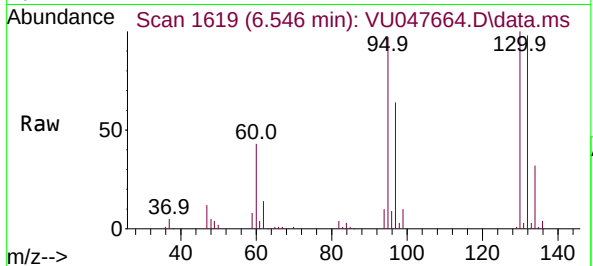


#34  
Trichloroethene  
Concen: 48.622 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

Tgt Ion: 95 Resp: 94859

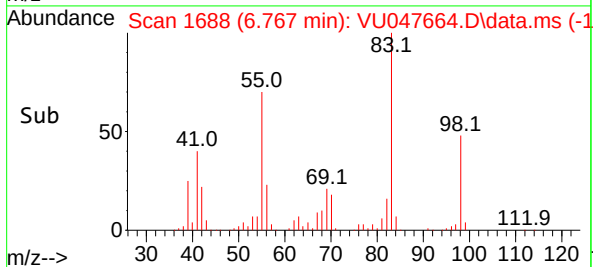
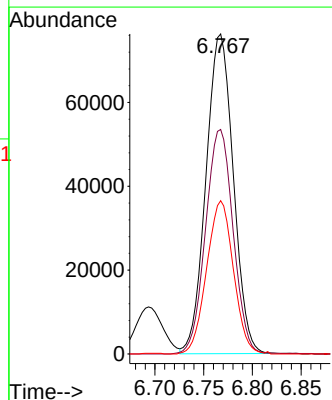
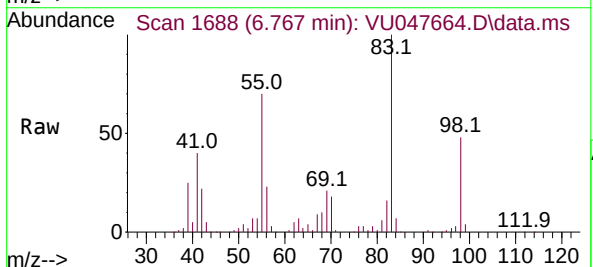
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.8  | 44.7  | 82.9  |
| 132 | 101.5 | 70.4  | 130.8 |
| 130 | 103.1 | 73.6  | 136.8 |



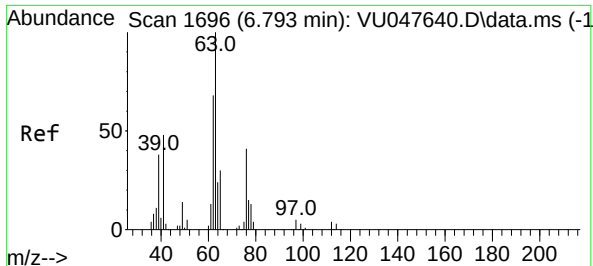
#35  
Methylcyclohexane  
Concen: 50.146 ug/L  
RT: 6.767 min Scan# 1688  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 83 Resp: 148834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 70.9  | 56.8  | 85.2  |
| 98  | 47.0  | 38.1  | 57.1  |







#37

1,2-Dichloropropane

Concen: 49.768 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

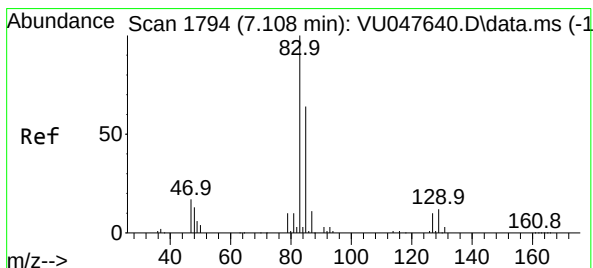
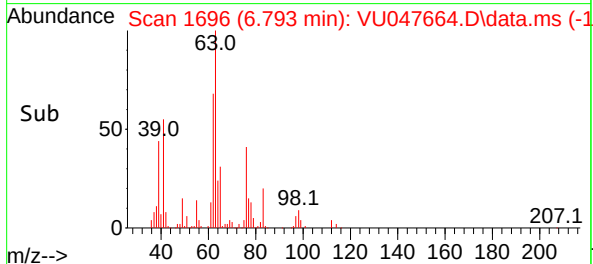
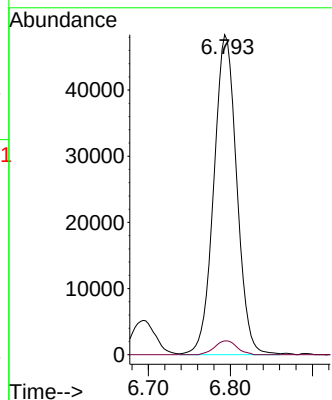
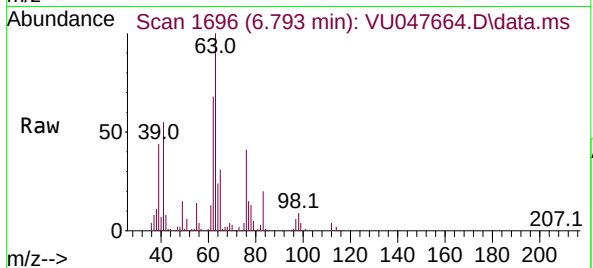
VSTD050176

Tgt Ion: 63 Resp: 94148

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 48.866 ug/L

RT: 7.108 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

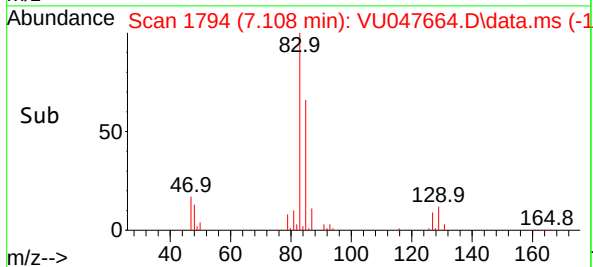
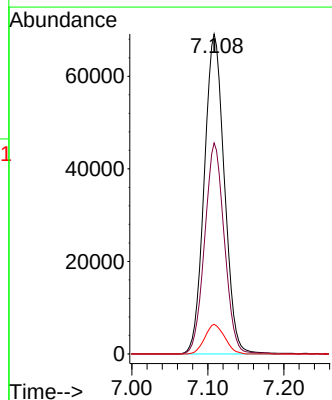
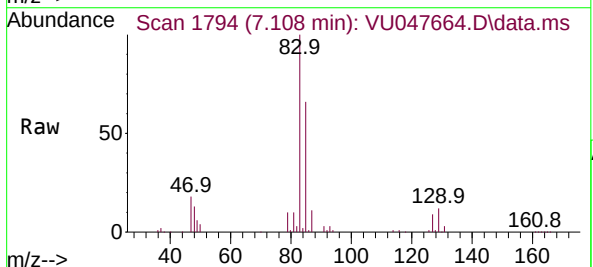
Tgt Ion: 83 Resp: 126943

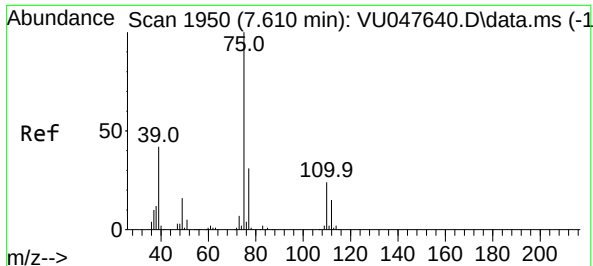
Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.4

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.477 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

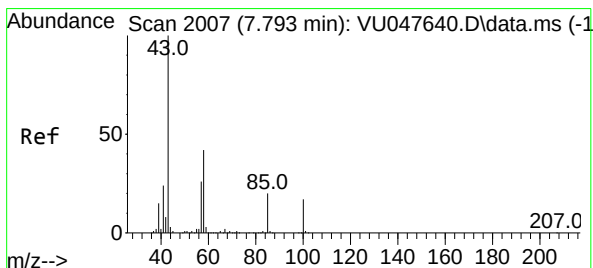
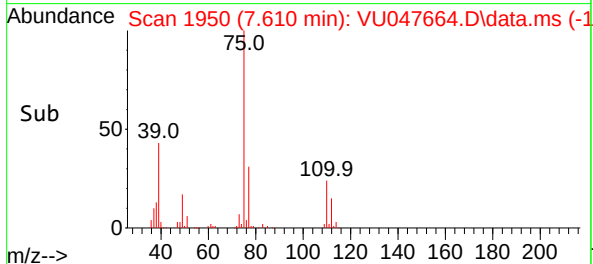
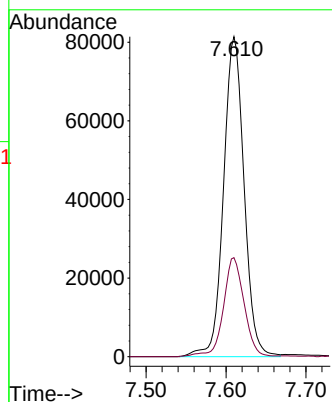
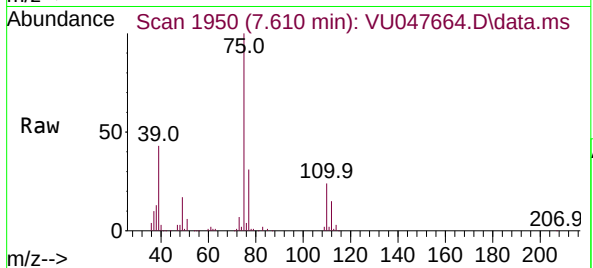
VSTD050176

Tgt Ion: 75 Resp: 145229

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 98.507 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

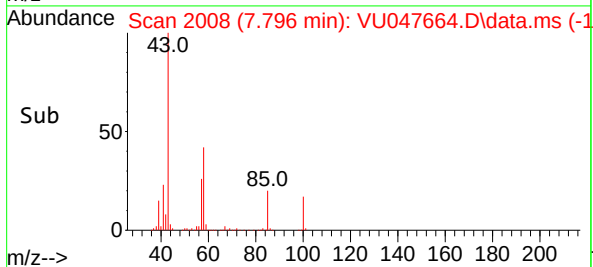
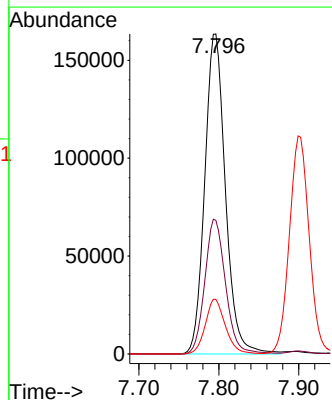
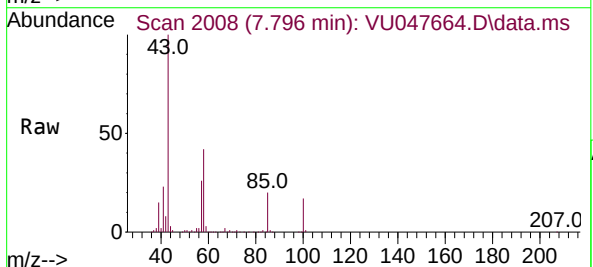
Tgt Ion: 43 Resp: 294524

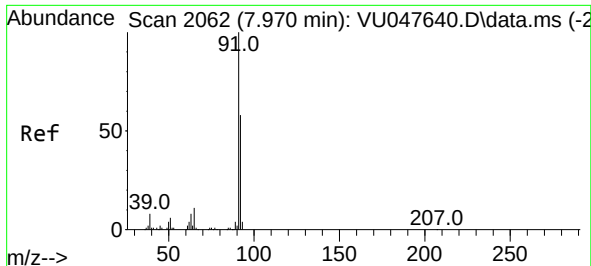
Ion Ratio Lower Upper

43 100

58 42.2 34.7 52.1

100 16.6 14.2 21.2





#42

Toluene

Concen: 49.991 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

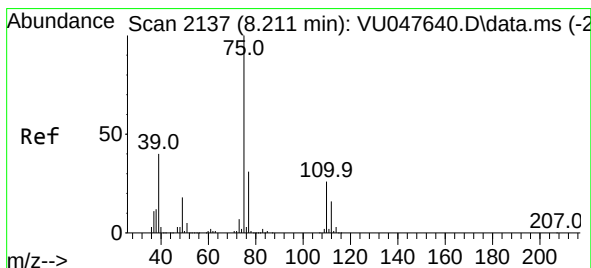
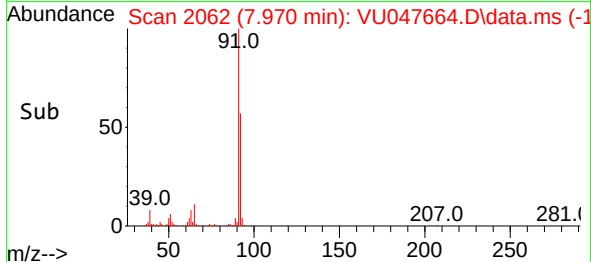
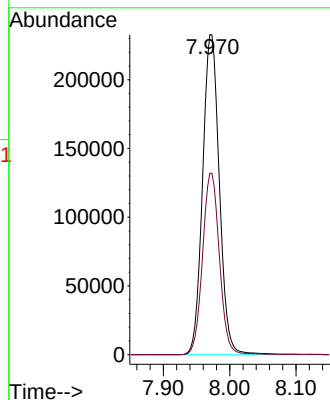
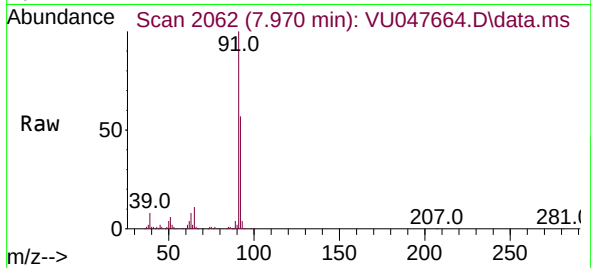
VSTD050176

Tgt Ion: 91 Resp: 408185

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 48.909 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU047664.D

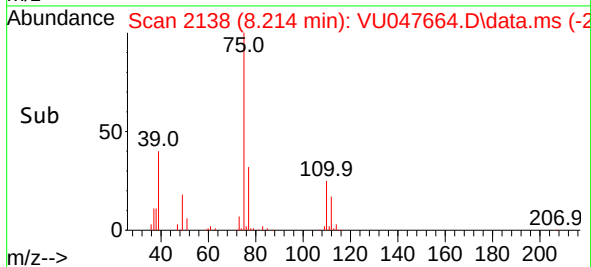
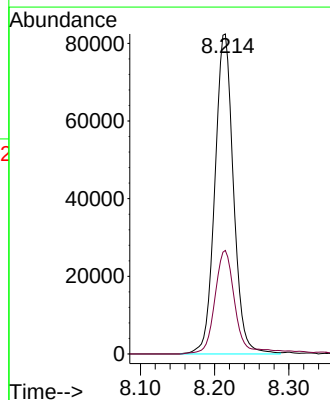
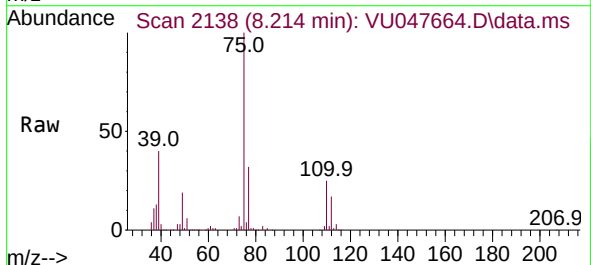
Acq: 25 Mar 2022 09:39

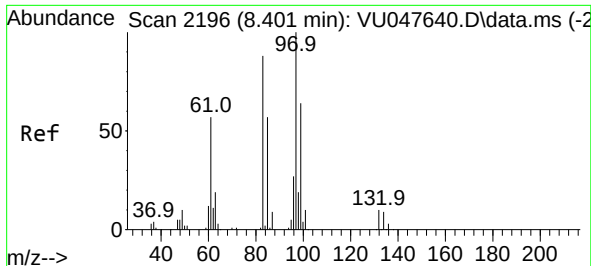
Tgt Ion: 75 Resp: 143340

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 48.173 ug/L

RT: 8.404 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050176

Tgt Ion: 97 Resp: 96651

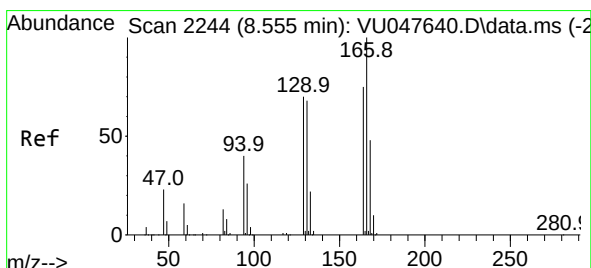
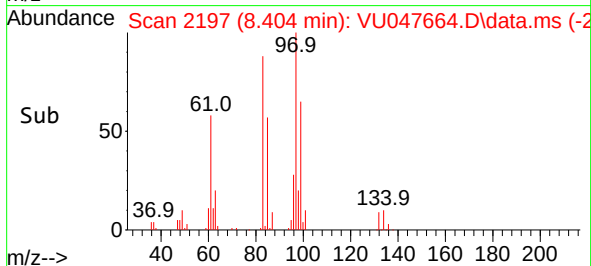
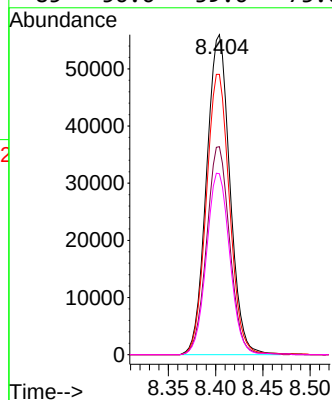
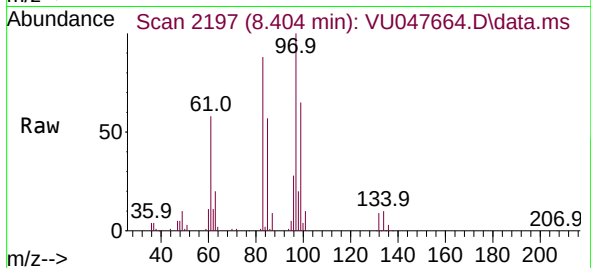
Ion Ratio Lower Upper

97 100

99 65.0 43.3 80.3

83 87.6 61.0 113.4

85 56.6 39.6 73.6



#46

Tetrachloroethene

Concen: 48.784 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Tgt Ion: 164 Resp: 85527

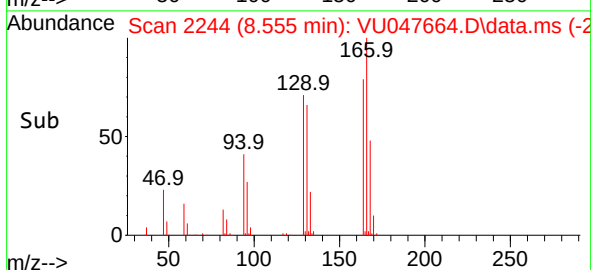
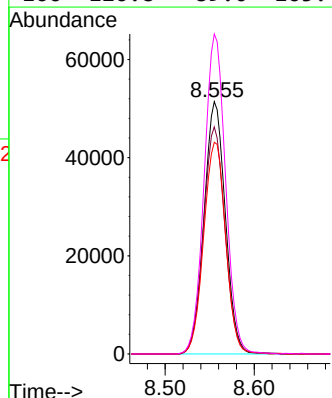
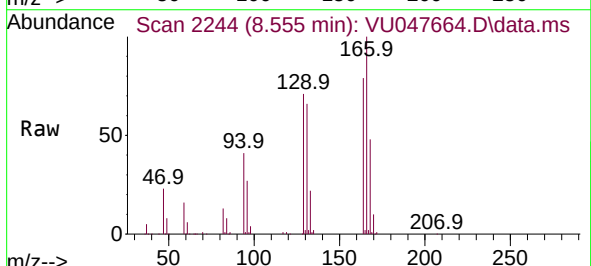
Ion Ratio Lower Upper

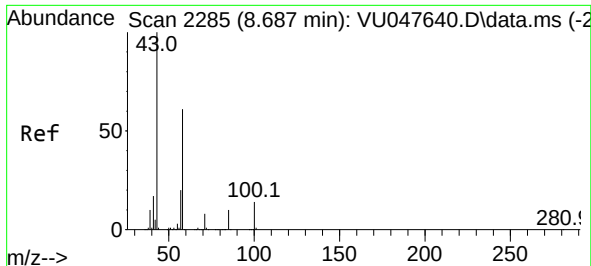
164 100

129 90.0 62.4 116.0

131 83.9 60.7 112.7

166 126.8 89.0 165.4



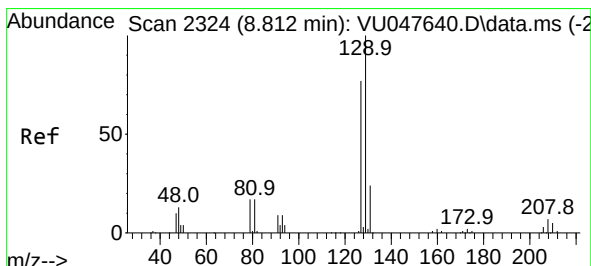
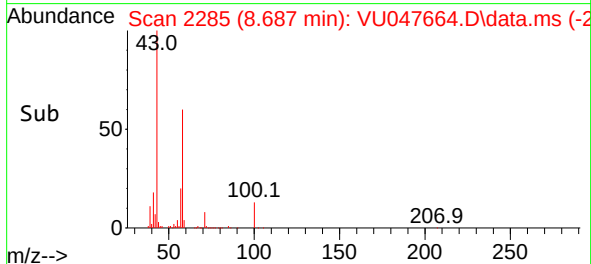
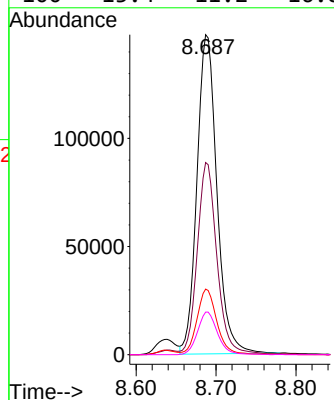
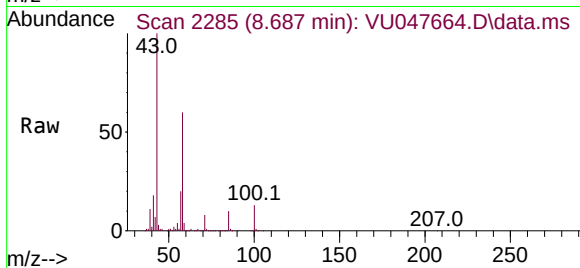


#48  
2-Hexanone  
Concen: 99.930 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

Tgt Ion: 43 Resp: 257006

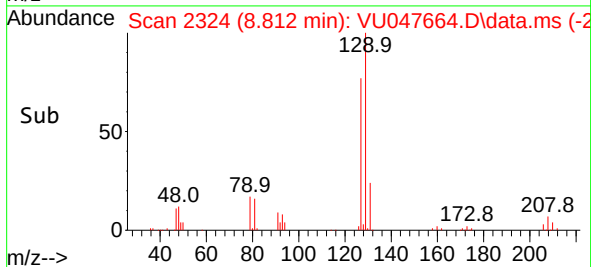
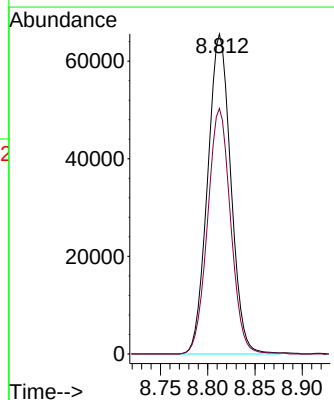
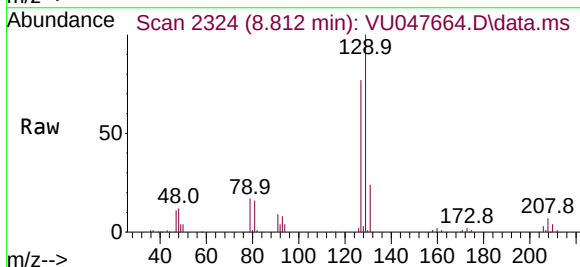
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 58.6  | 48.1  | 72.1  |
| 57  | 20.6  | 16.2  | 24.4  |
| 100 | 13.4  | 11.2  | 16.8  |

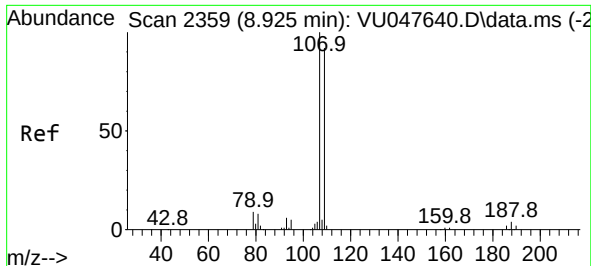


#49  
Dibromochloromethane  
Concen: 48.275 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 129 Resp: 112180

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.7  | 54.2  | 100.6 |





#50

1,2-Dibromoethane

Concen: 48.526 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

Instrument :

MSVOA\_U

ClientSampleId :

VSTD050176

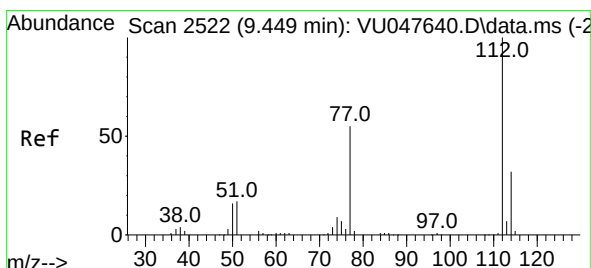
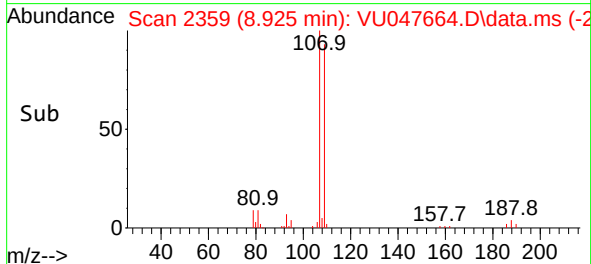
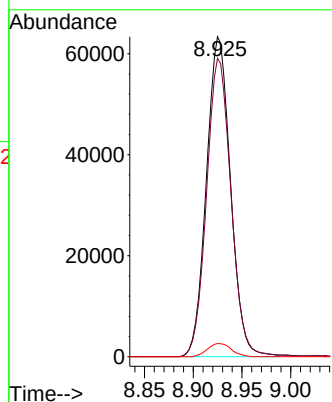
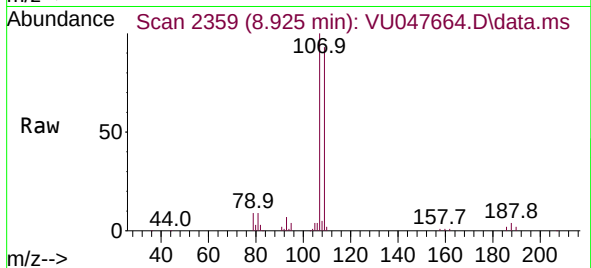
Tgt Ion:107 Resp: 109146

Ion Ratio Lower Upper

107 100

109 93.2 66.6 123.6

188 4.1 3.4 5.2



#51

Chlorobenzene

Concen: 48.291 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047664.D

Acq: 25 Mar 2022 09:39

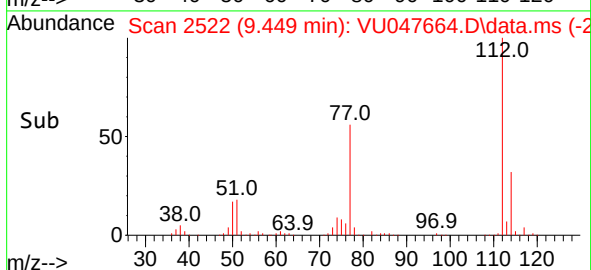
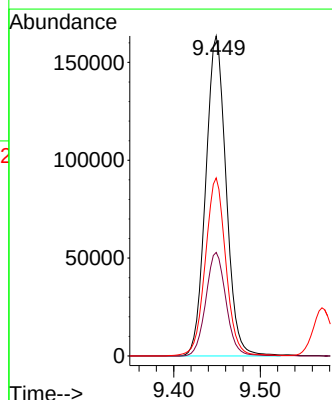
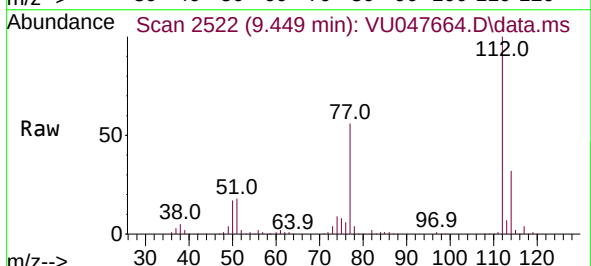
Tgt Ion:112 Resp: 267728

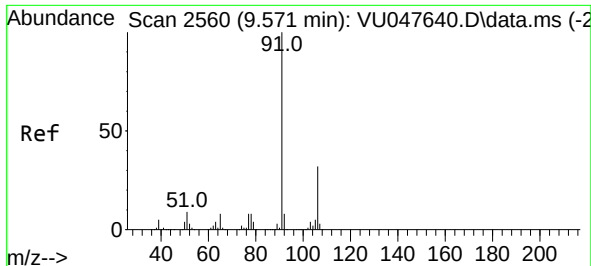
Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

77 55.7 43.4 65.0

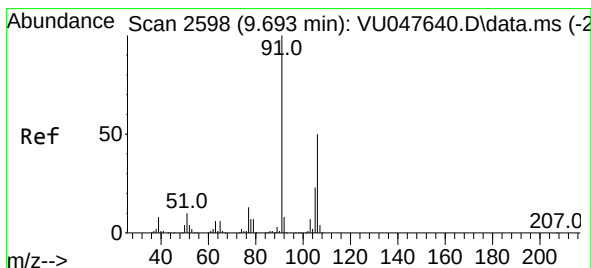
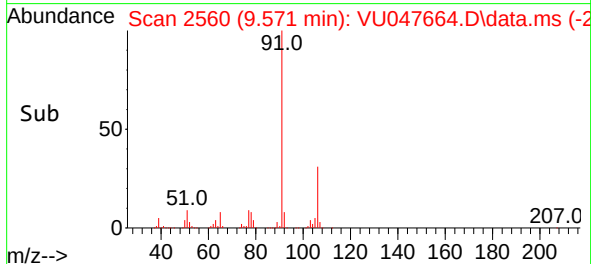
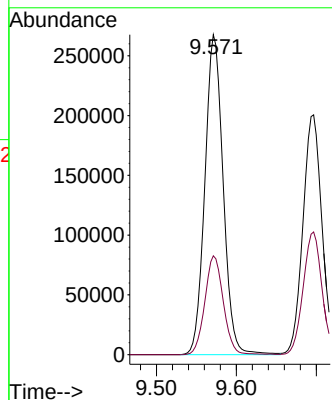
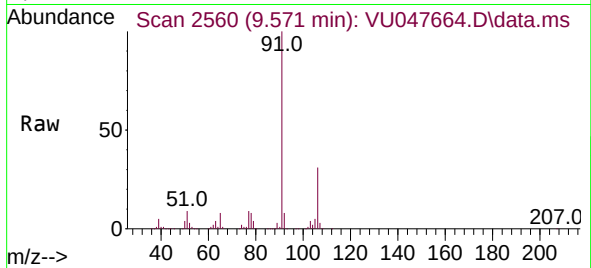




#52  
Ethylbenzene  
Concen: 49.690 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

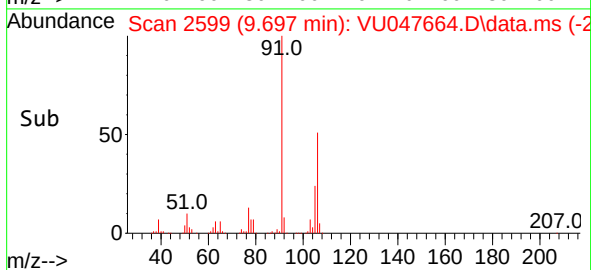
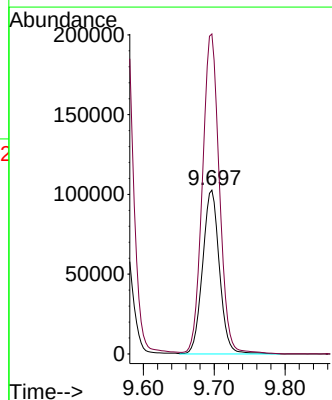
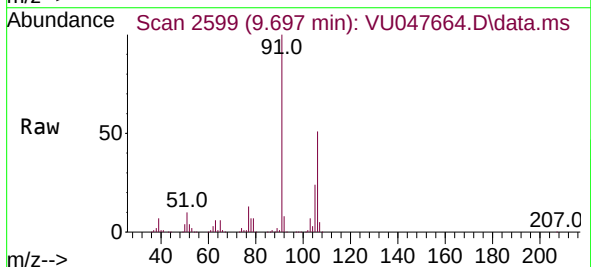
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

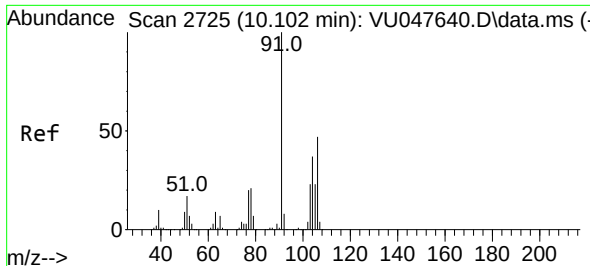
Tgt Ion: 91 Resp: 426606  
Ion Ratio Lower Upper  
91 100  
106 30.9 22.4 41.6



#53  
m,p-Xylene  
Concen: 50.338 ug/L  
RT: 9.697 min Scan# 2599  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion:106 Resp: 169574  
Ion Ratio Lower Upper  
106 100  
91 195.4 137.7 255.7

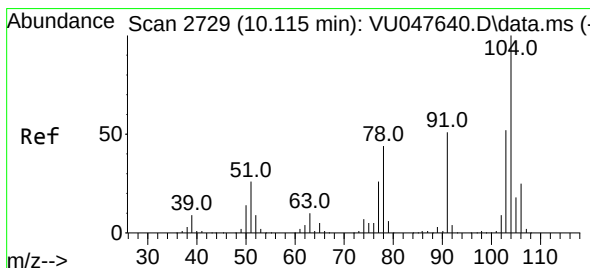
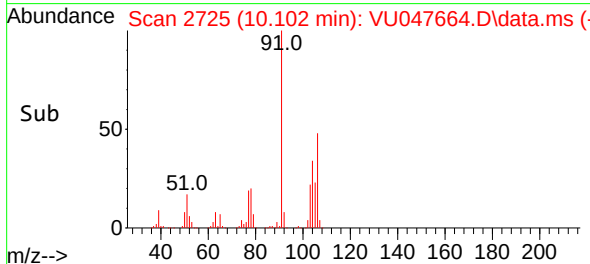
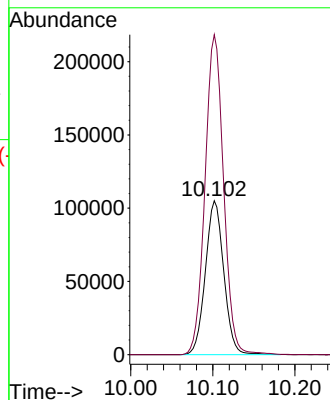
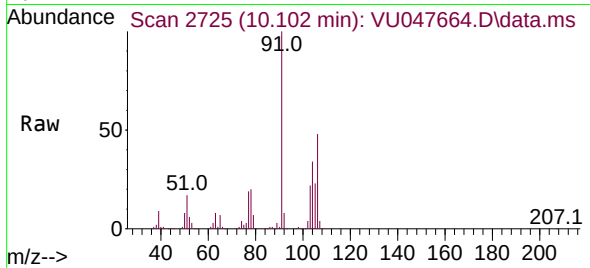




#54  
o-Xylene  
Concen: 49.625 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

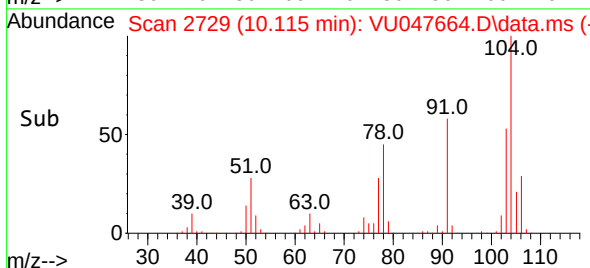
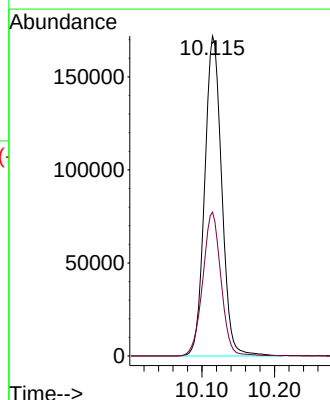
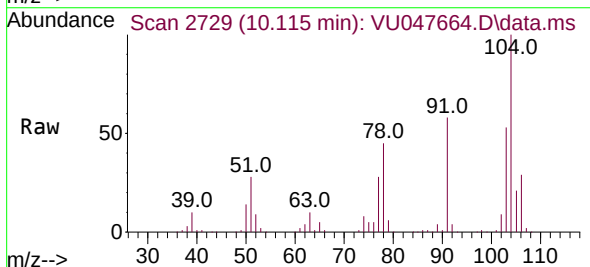
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

Tgt Ion:106 Resp: 164074  
Ion Ratio Lower Upper  
106 100  
91 207.9 146.7 272.5

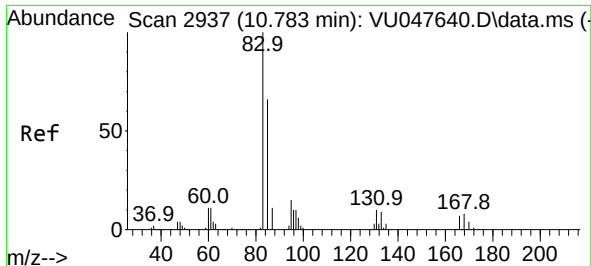


#55  
Styrene  
Concen: 49.710 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion:104 Resp: 280604  
Ion Ratio Lower Upper  
104 100  
78 44.9 30.4 56.4



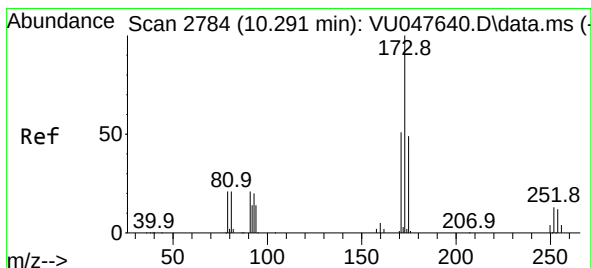
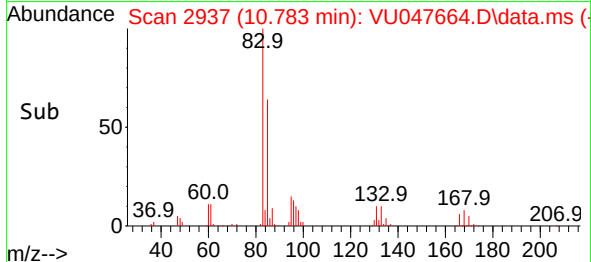
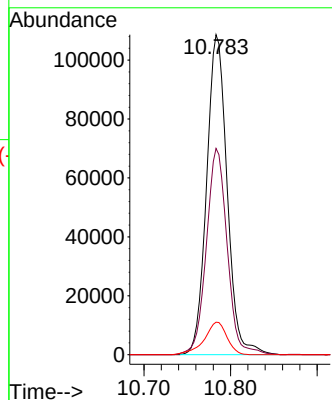
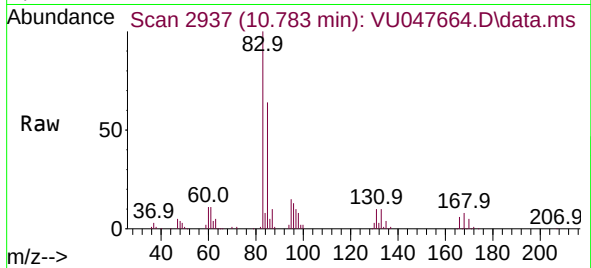




#57  
1,1,2,2-Tetrachloroethane  
Concen: 47.498 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

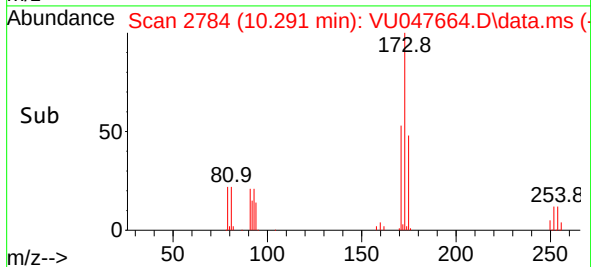
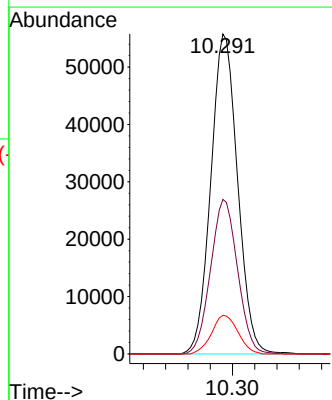
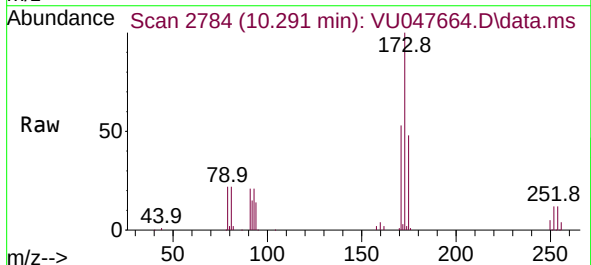
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

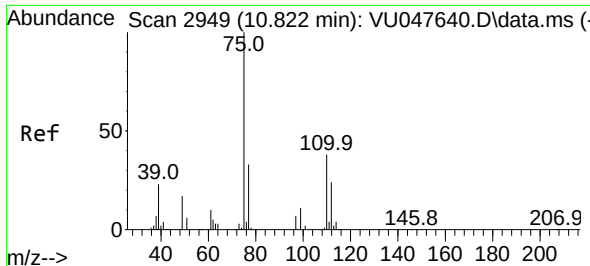
Tgt Ion: 83 Resp: 178655  
Ion Ratio Lower Upper  
83 100  
85 64.4 44.9 83.3  
131 10.2 8.6 13.0



#59  
Bromoform  
Concen: 47.136 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 173 Resp: 92921  
Ion Ratio Lower Upper  
173 100  
175 48.6 38.7 58.1  
254 12.0 9.6 14.4

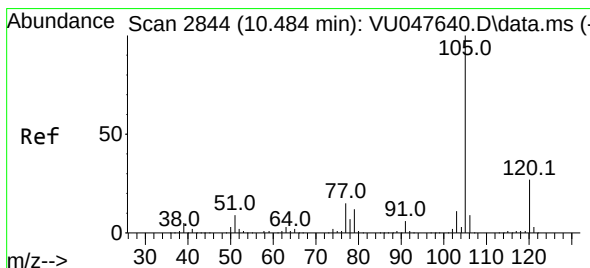
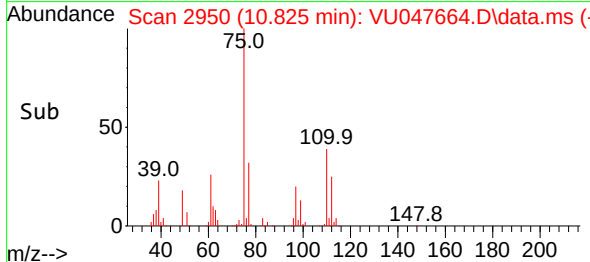
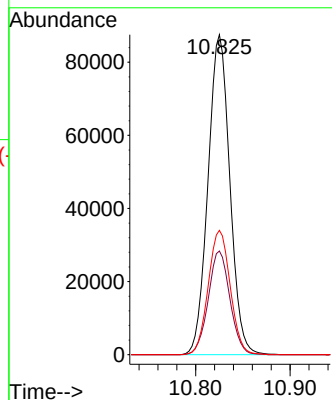
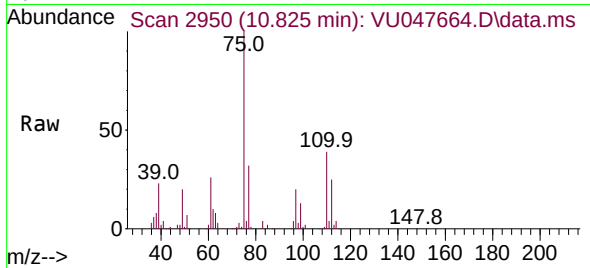




#60  
1,2,3-Trichloropropane  
Concen: 48.337 ug/L  
RT: 10.825 min Scan# 2949  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

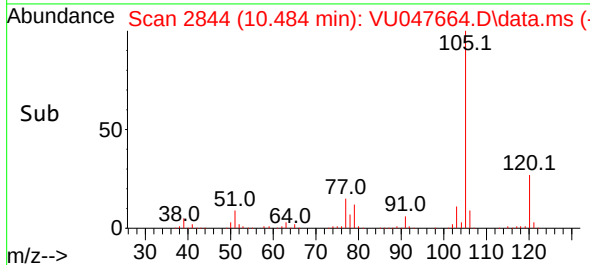
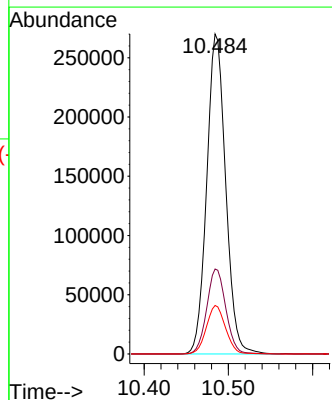
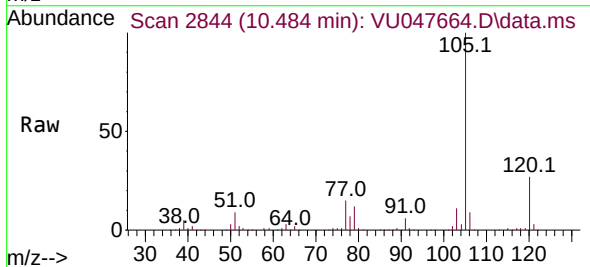
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

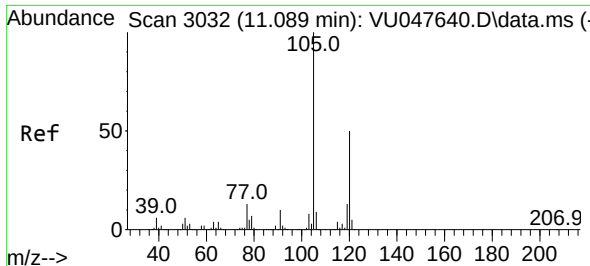
Tgt Ion: 75 Resp: 140479  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.0 39.0  
110 39.2 31.4 47.2



#61  
Isopropylbenzene  
Concen: 50.697 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 105 Resp: 422399  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.9 32.9  
77 15.4 12.1 18.1

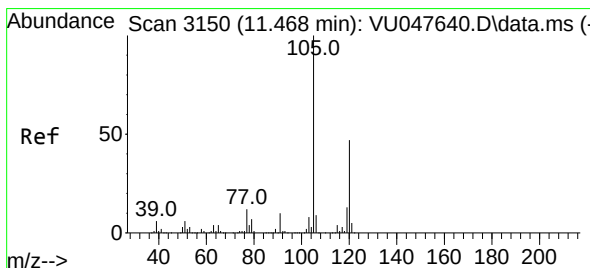
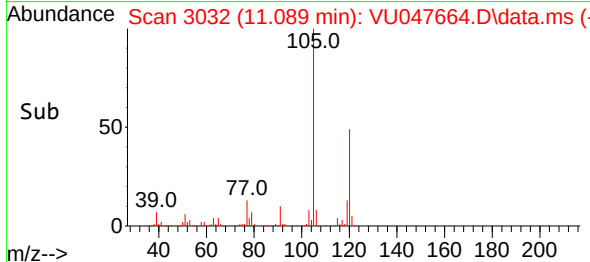
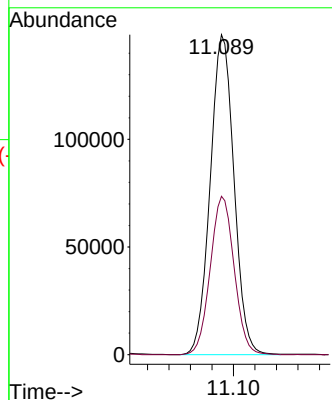
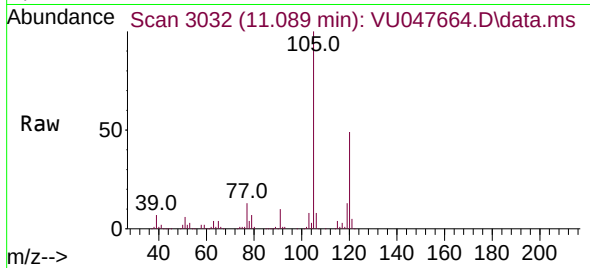




#62  
 1,3,5-Trimethylbenzene  
 Concen: 50.427 ug/L  
 RT: 11.089 min Scan# 3032  
 Delta R.T. -0.000 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

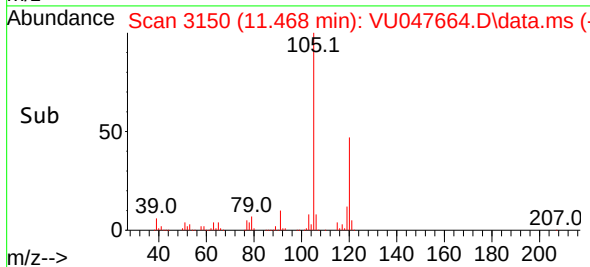
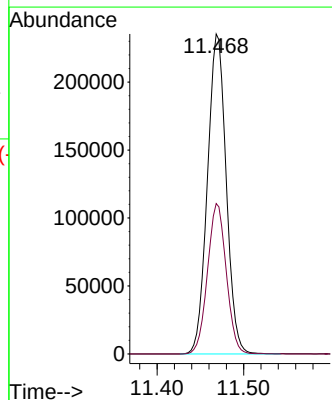
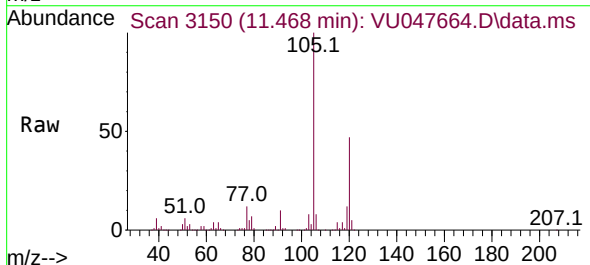
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

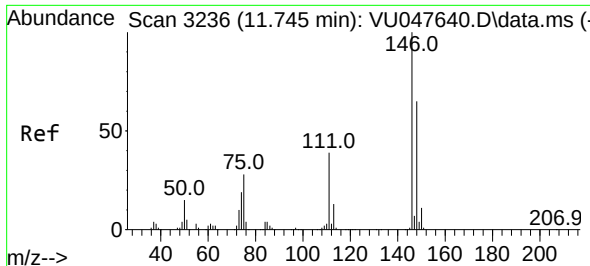
Tgt Ion:105 Resp: 227960  
 Ion Ratio Lower Upper  
 105 100  
 120 49.8 40.8 61.2



#63  
 1,2,4-Trimethylbenzene  
 Concen: 51.591 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

Tgt Ion:105 Resp: 354260  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 37.6 56.4

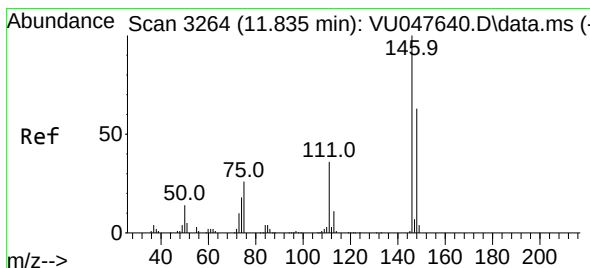
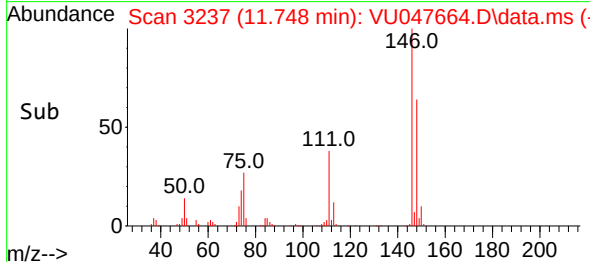
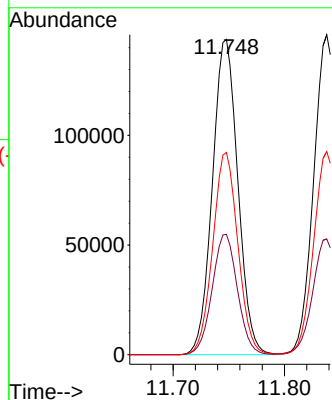
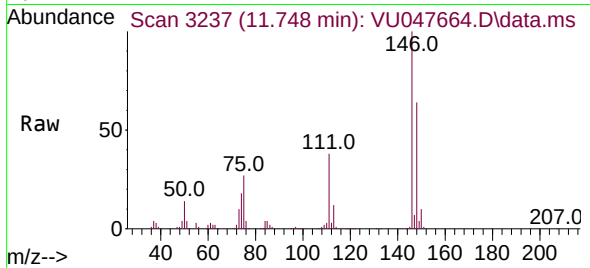




#64  
1,3-Dichlorobenzene  
Concen: 49.324 ug/L  
RT: 11.748 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

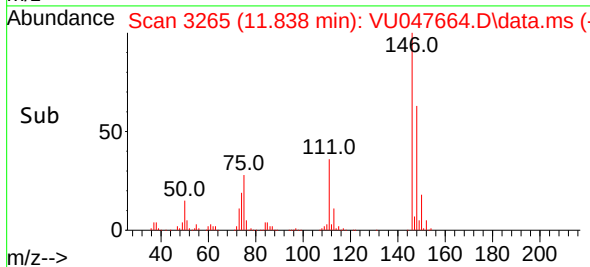
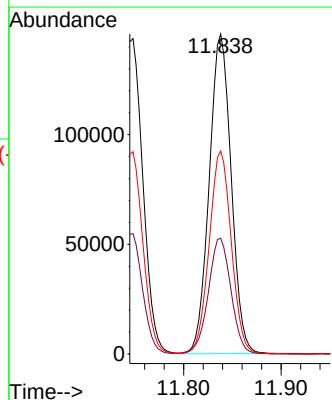
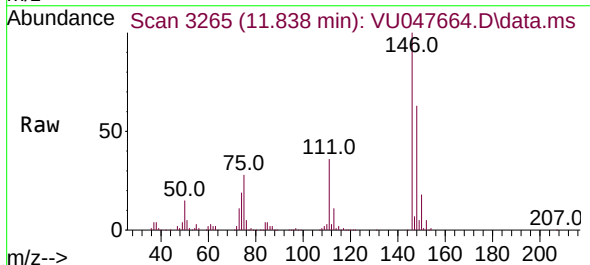
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

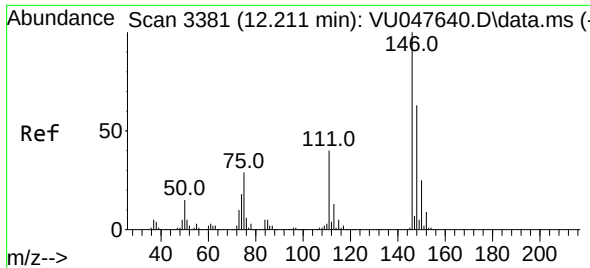
Tgt Ion:146 Resp: 228418  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.7 49.7  
148 64.1 44.4 82.5



#65  
1,4-Dichlorobenzene  
Concen: 47.556 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion:146 Resp: 228112  
Ion Ratio Lower Upper  
146 100  
111 36.1 25.3 47.1  
148 63.4 44.5 82.7

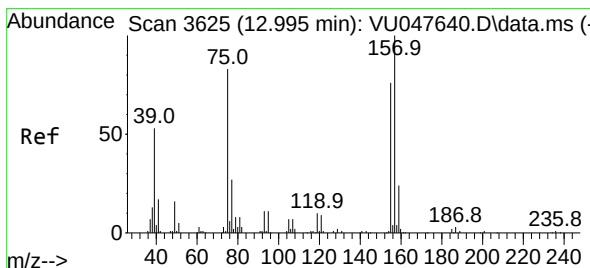
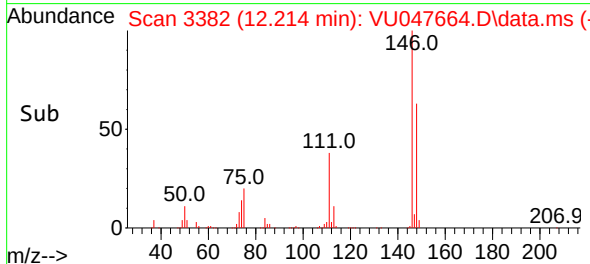
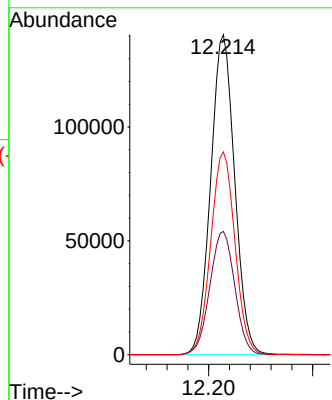
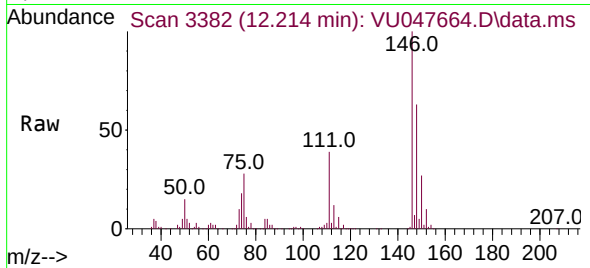




#67  
1,2-Dichlorobenzene  
Concen: 48.775 ug/L  
RT: 12.214 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

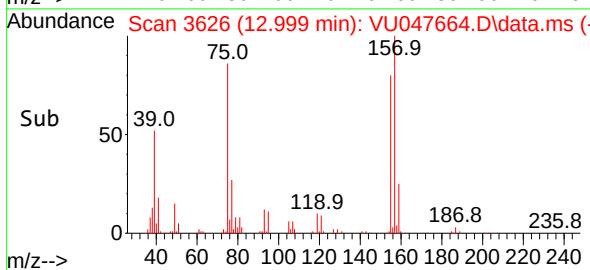
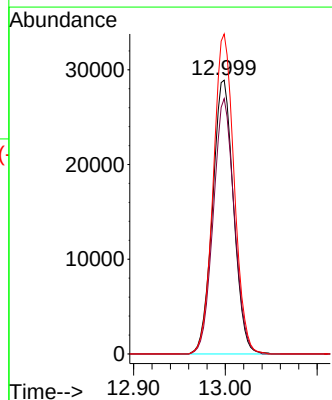
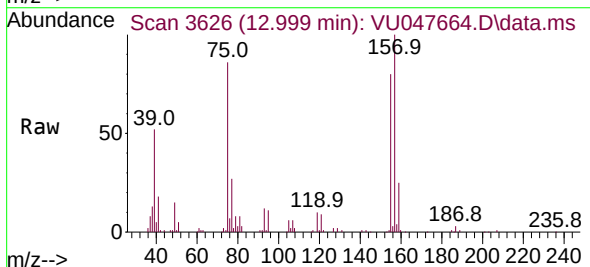
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

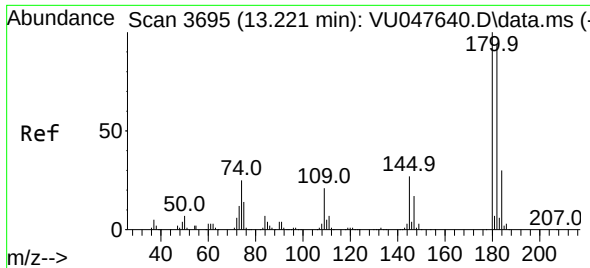
Tgt Ion:146 Resp: 226008  
Ion Ratio Lower Upper  
146 100  
111 38.5 31.7 47.5  
148 63.4 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 49.364 ug/L  
RT: 12.999 min Scan# 3626  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion: 75 Resp: 45955  
Ion Ratio Lower Upper  
75 100  
155 93.3 78.9 118.3  
157 116.9 97.5 146.3

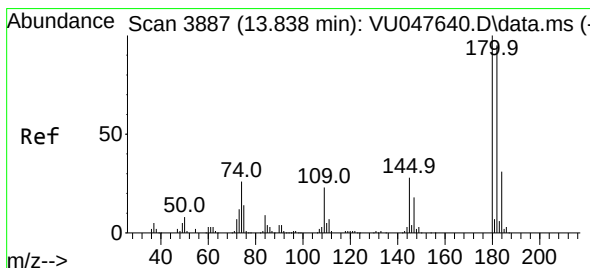
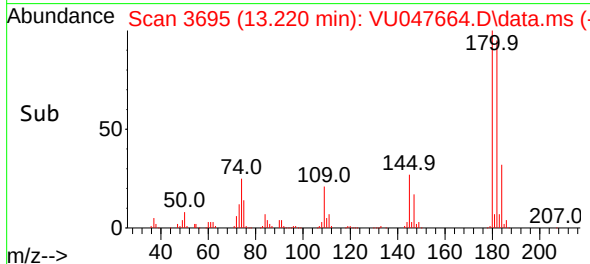
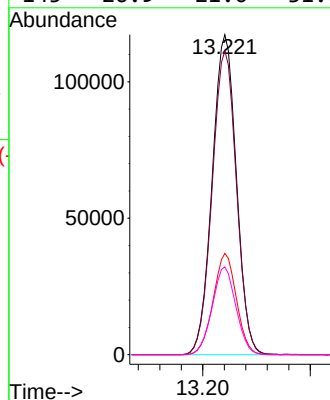
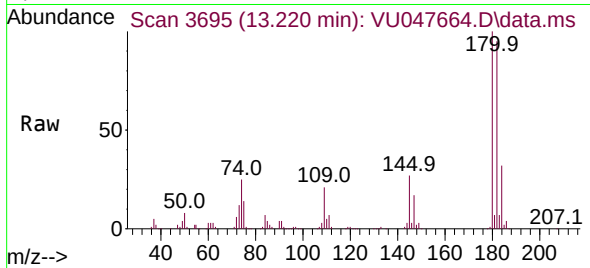




#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.583 ug/L  
 RT: 13.220 min Scan# 3695  
 Delta R.T. -0.000 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

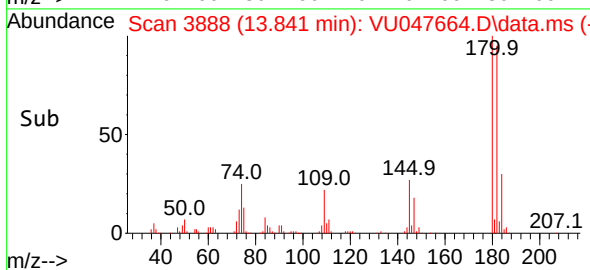
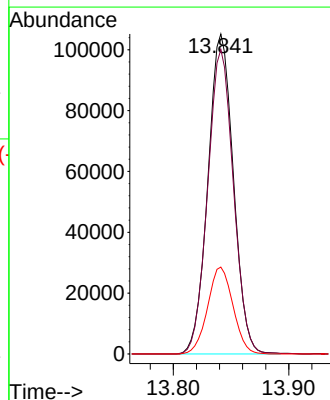
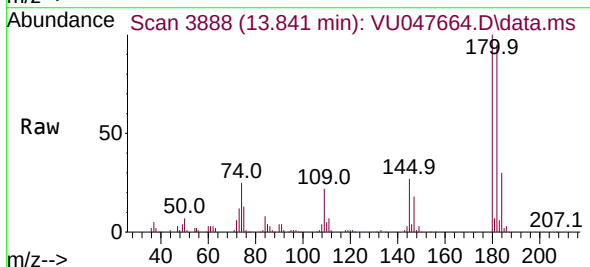
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

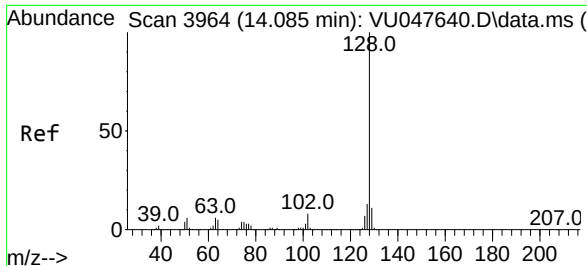
|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 182722    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 95.5 77.0 115.6 |
| 184         | 30.5 24.5 36.7  |
| 145         | 26.9 21.0 31.6  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 48.964 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.003 min  
 Lab File: VU047664.D  
 Acq: 25 Mar 2022 09:39

|             |                 |
|-------------|-----------------|
| Tgt Ion:180 | Resp: 161302    |
| Ion Ratio   | Lower Upper     |
| 180         | 100             |
| 182         | 95.9 76.2 114.2 |
| 145         | 27.0 21.8 32.8  |

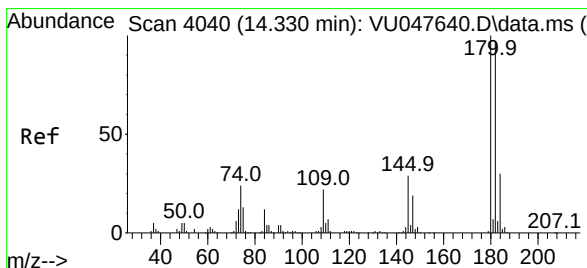
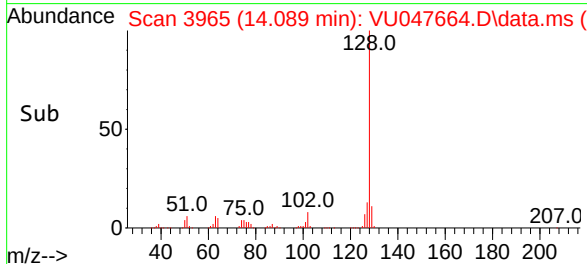
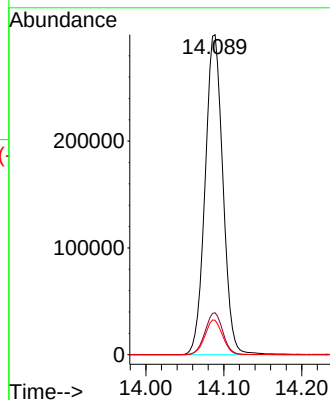
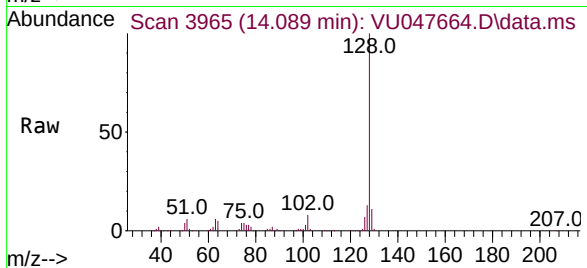




#71  
Naphthalene  
Concen: 48.422 ug/L  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD050176

Tgt Ion:128 Resp: 475582  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 10.8 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 48.657 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU047664.D  
Acq: 25 Mar 2022 09:39

Tgt Ion:180 Resp: 160687  
Ion Ratio Lower Upper  
180 100  
182 95.6 77.4 116.0  
145 29.2 22.8 34.2

