

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW081822\  
 Data File : VW027425.D  
 Acq On : 17 Aug 2022 18:11  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050339

Quant Time: Aug 18 02:26:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 18 02:23:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 309420   | 50.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 312716   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 185747   | 50.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 101577   | 48.151   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 96.300%  |
| 7) Chloroethane-d5            | 1.565   | 69    | 65835    | 42.689   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 85.380%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 222315   | 57.614   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 115.220% |
| 21) 2-Butanone-d5             | 3.880   | 46    | 146396   | 77.963   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 77.960%  |
| 24) Chloroform-d              | 4.343   | 84    | 201414   | 46.611   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 93.220%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 132765   | 49.485   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 98.980%  |
| 32) Benzene-d6                | 5.047   | 84    | 394543   | 52.612   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 105.220% |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 123330   | 46.233   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 92.460%  |
| 41) Toluene-d8                | 7.313   | 98    | 360817   | 56.448   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 112.900% |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 56389    | 48.497   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 97.000%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 101860   | 79.280   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 79.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 175473   | 40.365   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 80.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 129635   | 40.414   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 80.820%  |
| Target Compounds              |         |       |          |          |       |          |
|                               |         |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 126683   | 46.024   | ug/L  | 100      |
| 3) Chloromethane              | 1.240   | 50    | 124818   | 39.693   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.310   | 62    | 126937   | 40.522   | ug/L  | 99       |
| 6) Bromomethane               | 1.519   | 94    | 51847    | 35.109   | ug/L  | 96       |
| 8) Chloroethane               | 1.581   | 64    | 73226    | 41.960   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.751   | 101   | 208430   | 51.856   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 126153   | 56.602   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.118   | 96    | 110325   | 51.458   | ug/L  | 85       |
| 13) Acetone                   | 2.166   | 43    | 168760   | 116.554  | ug/L  | 89       |
| 14) Carbon disulfide          | 2.291   | 76    | 277103   | 37.976   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 168249   | 51.089   | ug/L  | # 84     |
| 16) Methylene chloride        | 2.503   | 84    | 145733   | 50.887   | ug/L  | 87       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 115606   | 48.726   | ug/L  | 92       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 407516   | 57.752   | ug/L  | # 94     |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 252477   | 53.010   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 136985   | 55.580   | ug/L  | 90       |
| 22) 2-Butanone                | 3.960   | 43    | 229113   | 115.419  | ug/L  | 99       |
| 23) Bromochloromethane        | 4.243   | 128   | 79137    | 57.499   | ug/L  | 86       |
| 25) Chloroform                | 4.371   | 83    | 273988   | 56.923   | ug/L  | 98       |

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 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

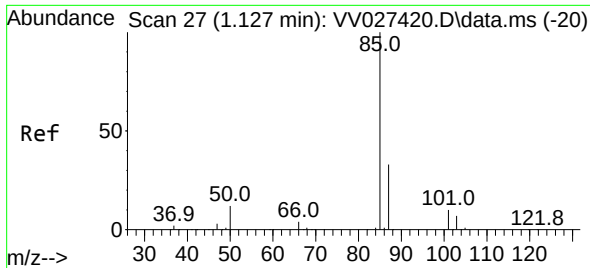
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050339

Quant Time: Aug 18 02:26:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 18 02:23:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 214408   | 57.195  | ug/L # | 93       |
| 29) Cyclohexane               | 4.674  | 56   | 183287   | 50.892  | ug/L   | 91       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 237073   | 57.197  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 205335   | 57.060  | ug/L   | 97       |
| 33) Benzene                   | 5.095  | 78   | 544773   | 54.210  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 131755   | 51.205  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.127  | 83   | 192548   | 50.890  | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 153994   | 54.699  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 205294   | 55.653  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 210666   | 56.491  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 463345   | 115.366 | ug/L # | 91       |
| 42) Toluene                   | 7.384  | 91   | 569417   | 55.730  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 211977   | 57.842  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 150710   | 55.542  | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.973  | 164  | 100531   | 53.380  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.137  | 43   | 370252   | 115.750 | ug/L # | 89       |
| 49) Dibromochloromethane      | 8.243  | 129  | 166573   | 58.074  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 151773   | 54.360  | ug/L   | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 367024   | 53.554  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.011  | 91   | 591034   | 56.059  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 227663   | 57.137  | ug/L   | 93       |
| 54) o-Xylene                  | 9.542  | 106  | 226143   | 58.256  | ug/L   | 97       |
| 55) Styrene                   | 9.558  | 104  | 416539   | 60.913  | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 247609   | 54.471  | ug/L   | 100      |
| 59) Bromoform                 | 9.728  | 173  | 114384   | 51.831  | ug/L   | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 597971   | 51.084  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 202105   | 47.395  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 499374   | 51.658  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 507896   | 53.632  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 295223   | 52.037  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 303390   | 50.813  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 302136   | 50.827  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 56395    | 47.139  | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 208332   | 54.673  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 175802   | 55.549  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 554017   | 51.123  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 197988   | 56.440  | ug/L   | 99       |

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

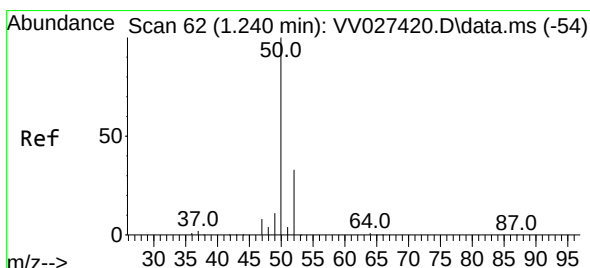
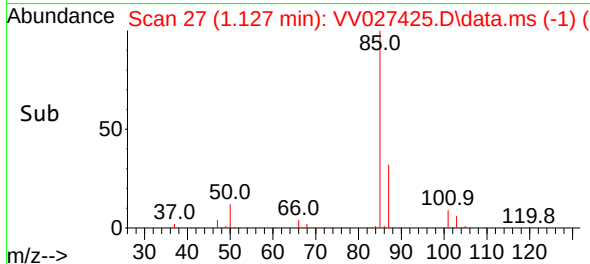
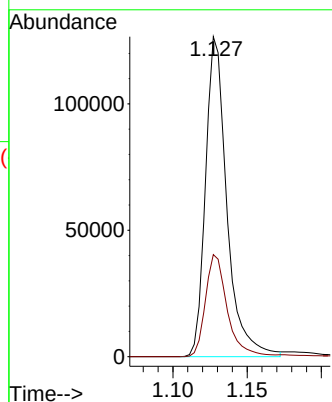
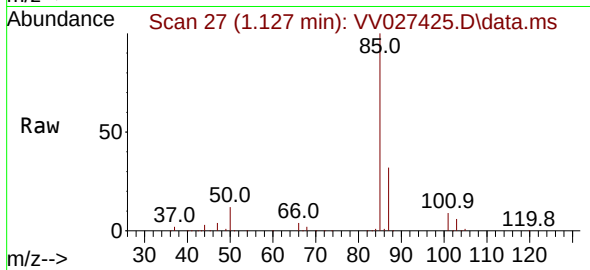




#2  
 Dichlorodifluoromethane  
 Concen: 46.024 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

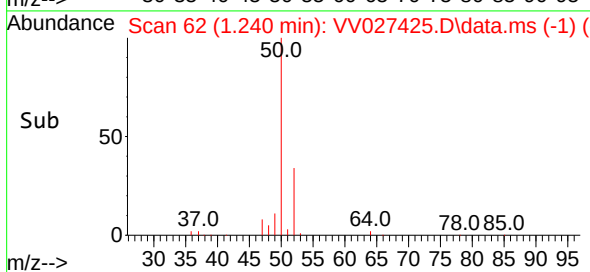
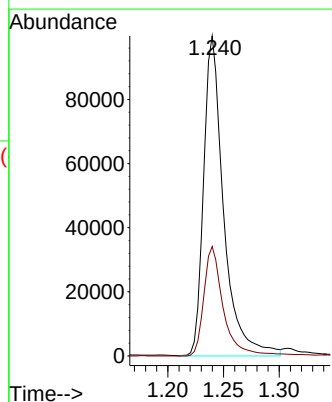
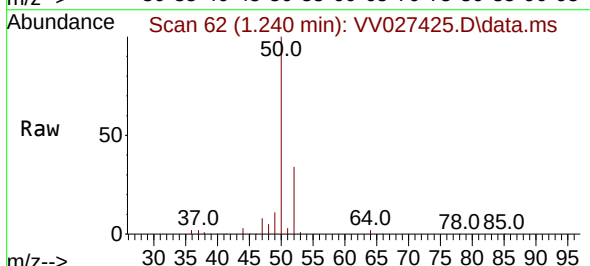
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050339

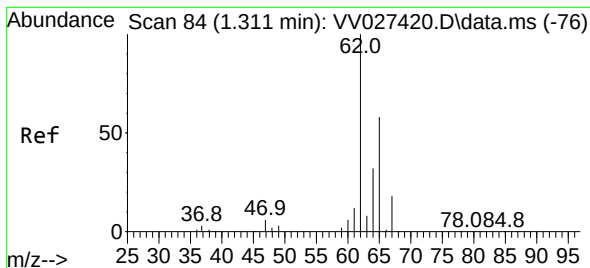
Tgt Ion: 85 Resp: 126683  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.1 39.1



#3  
 Chloromethane  
 Concen: 39.693 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

Tgt Ion: 50 Resp: 124818  
 Ion Ratio Lower Upper  
 50 100  
 52 34.2 23.5 43.7





#5

Vinyl chloride

Concen: 40.522 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

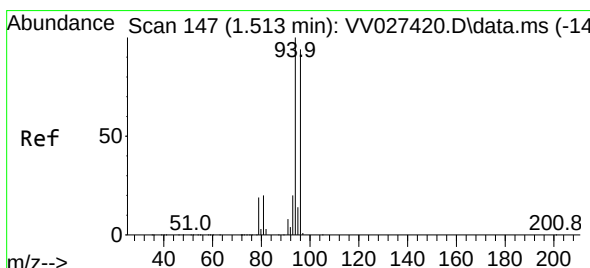
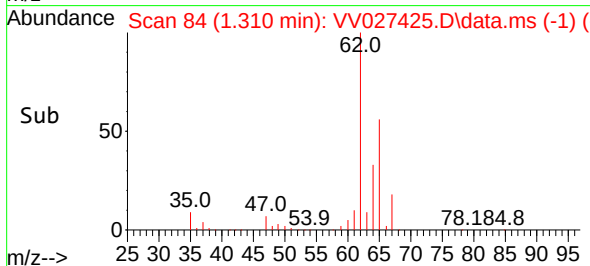
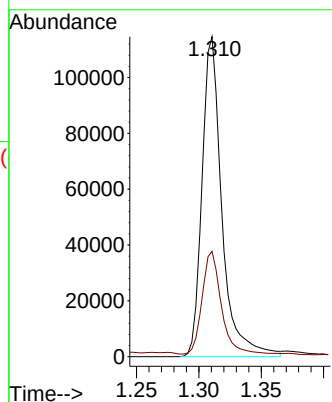
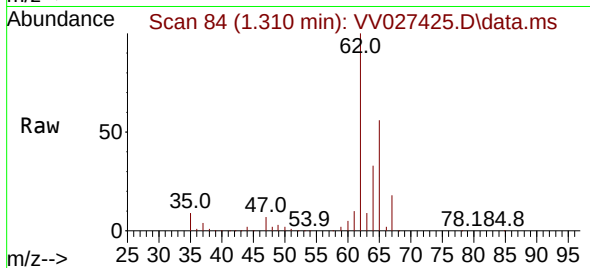
VSTD050339

Tgt Ion: 62 Resp: 126937

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



#6

Bromomethane

Concen: 35.109 ug/L

RT: 1.519 min Scan# 149

Delta R.T. 0.006 min

Lab File: VV027425.D

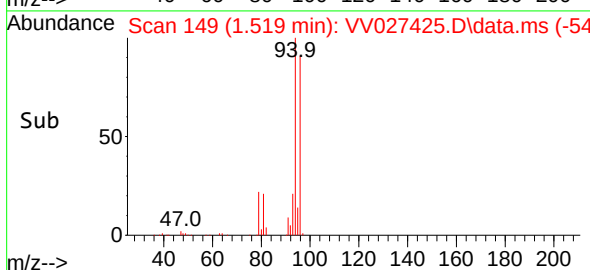
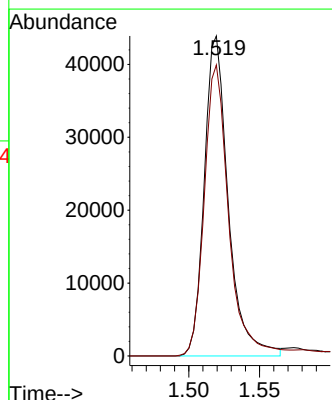
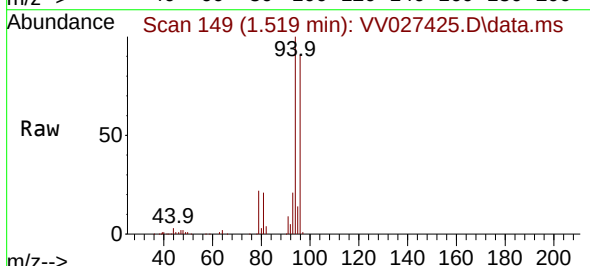
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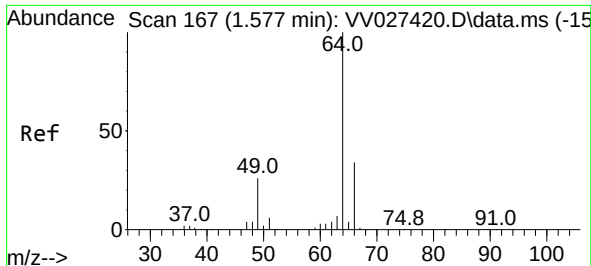
Tgt Ion: 94 Resp: 51847

Ion Ratio Lower Upper

94 100

96 90.9 66.1 122.8

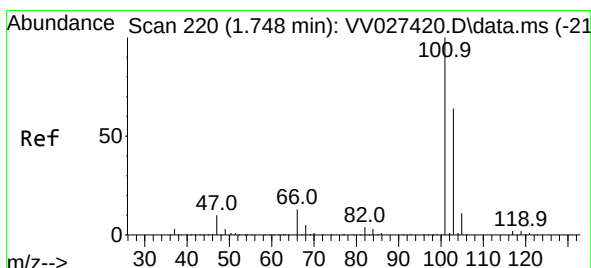
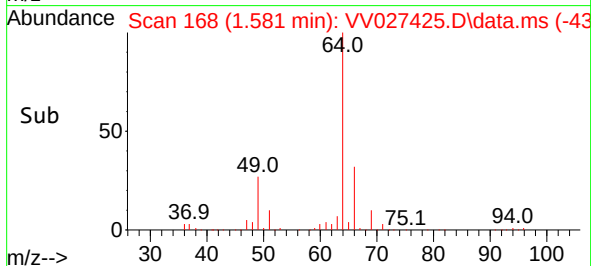
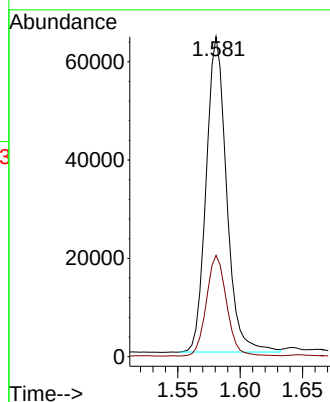
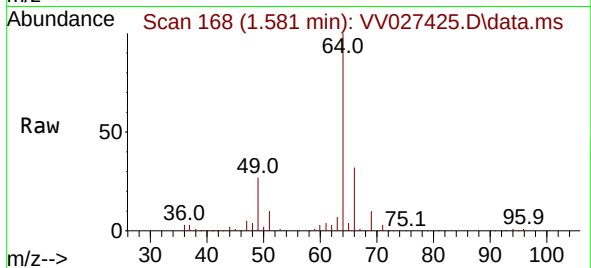




#8  
Chloroethane  
Concen: 41.960 ug/L  
RT: 1.581 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

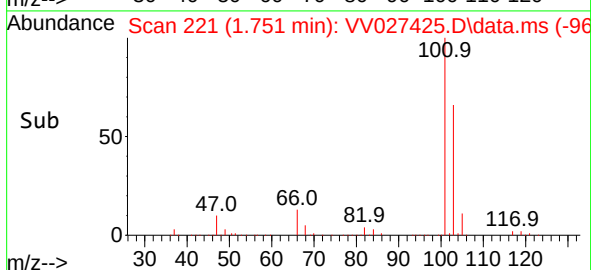
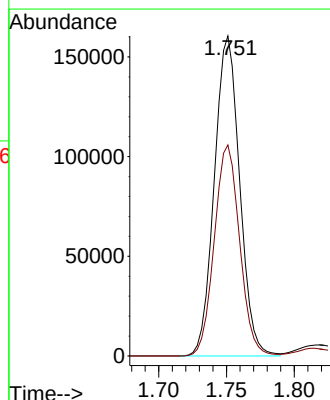
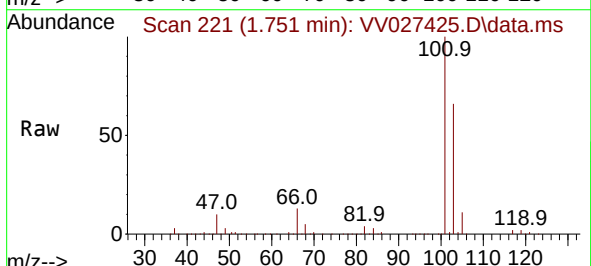
Instrument :  
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VSTD050339

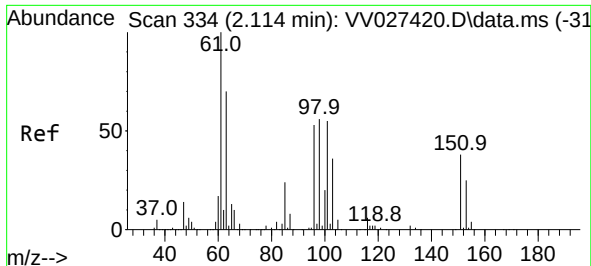
Tgt Ion: 64 Resp: 73226  
Ion Ratio Lower Upper  
64 100  
66 31.6 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 51.856 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion:101 Resp: 208430  
Ion Ratio Lower Upper  
101 100  
103 65.9 52.4 78.6

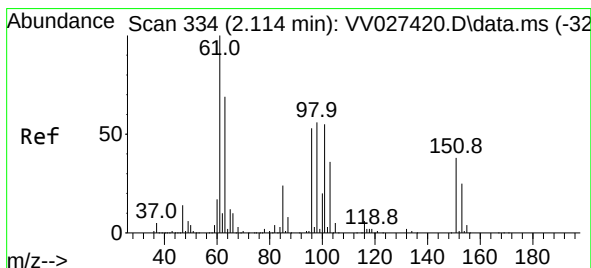
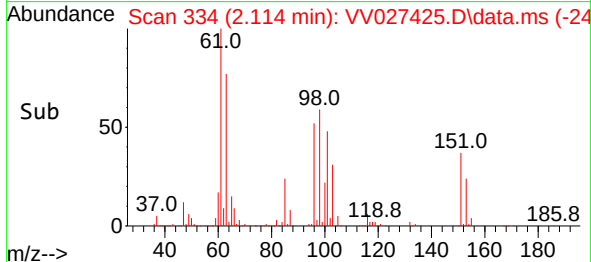
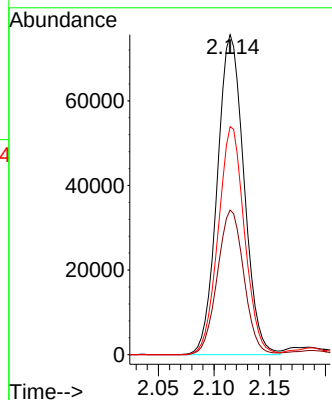
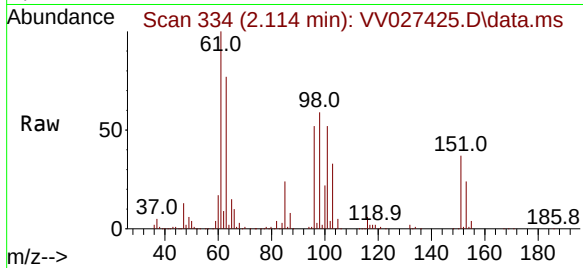




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 56.602 ug/L  
 RT: 2.114 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

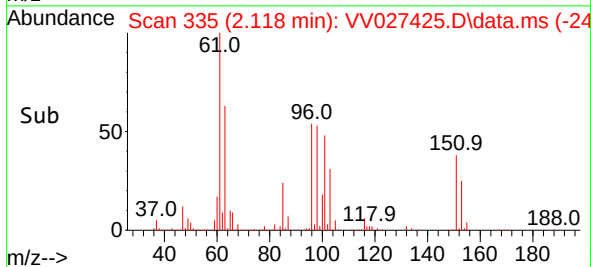
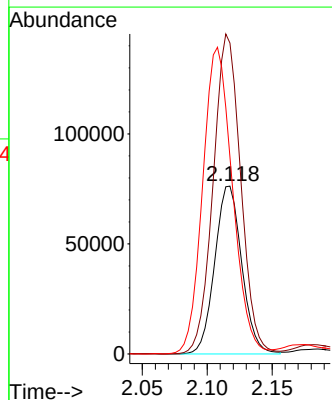
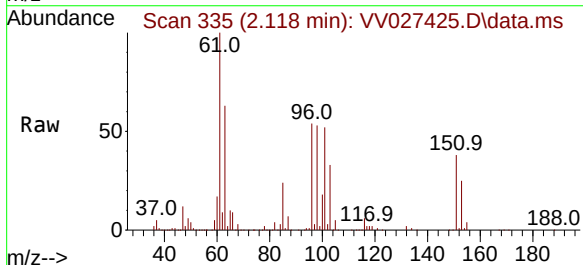
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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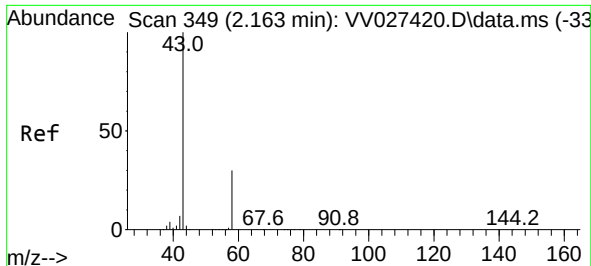
Tgt Ion:101 Resp: 126153  
 Ion Ratio Lower Upper  
 101 100  
 85 44.9 34.1 51.1  
 151 70.3 57.8 86.8



#12  
 1,1-Dichloroethene  
 Concen: 51.458 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.003 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

Tgt Ion: 96 Resp: 110325  
 Ion Ratio Lower Upper  
 96 100  
 61 185.2 114.3 212.3  
 63 117.3 93.4 173.4





#13

Acetone

Concen: 116.554 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

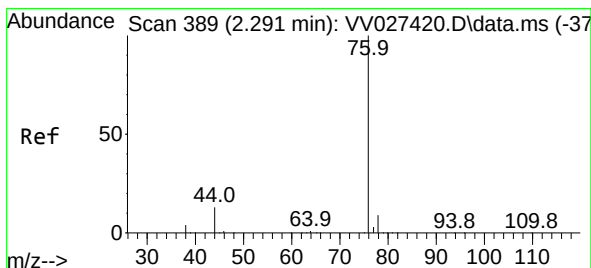
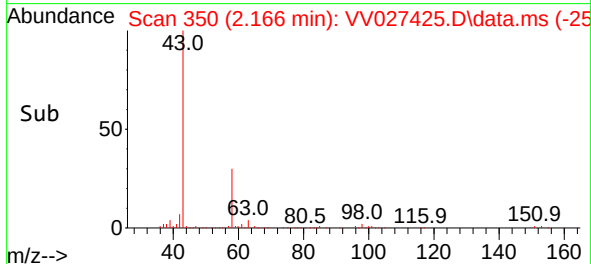
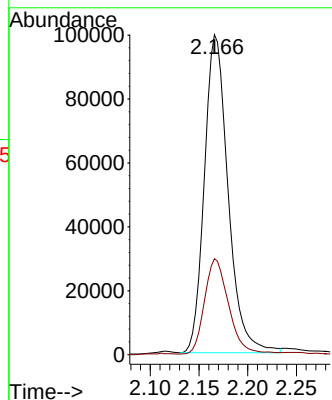
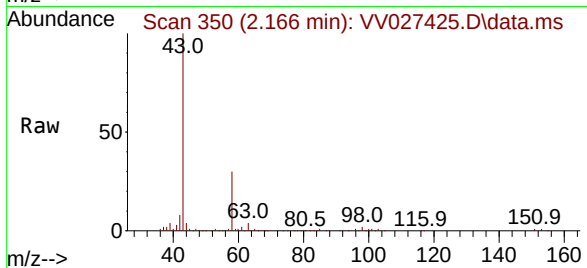
VSTD050339

Tgt Ion: 43 Resp: 168760

Ion Ratio Lower Upper

43 100

58 30.1 0.0 49.6



#14

Carbon disulfide

Concen: 37.976 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV027425.D

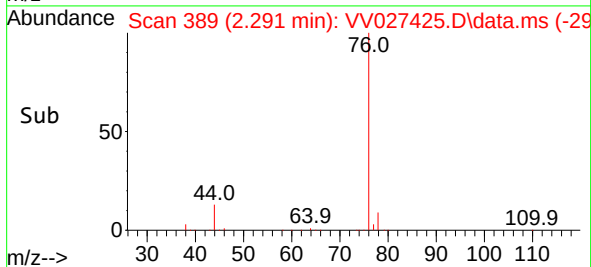
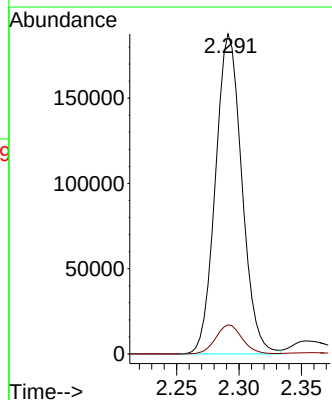
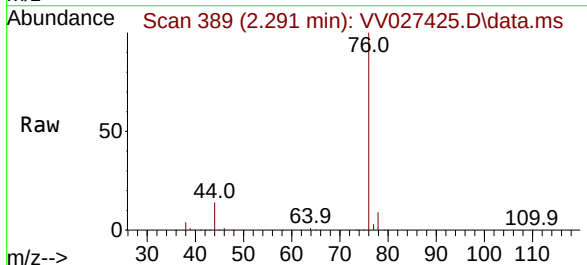
Acq: 17 Aug 2022 18:11

Tgt Ion: 76 Resp: 277103

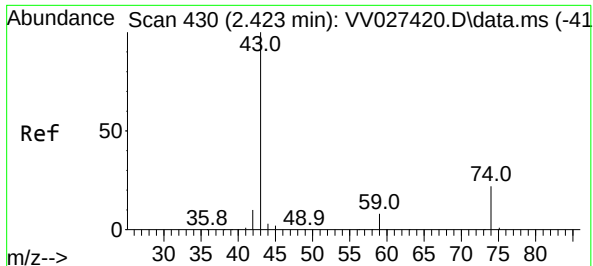
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



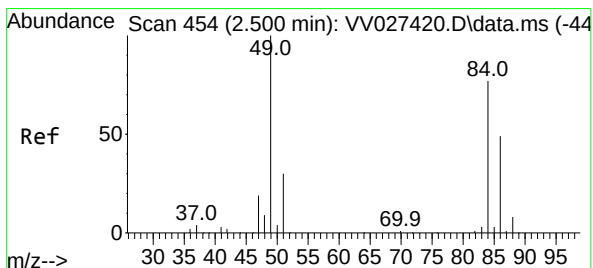
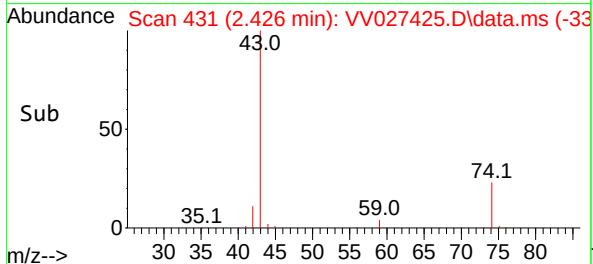
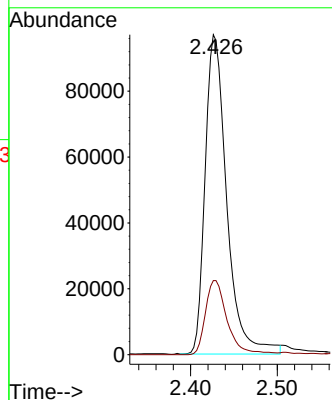
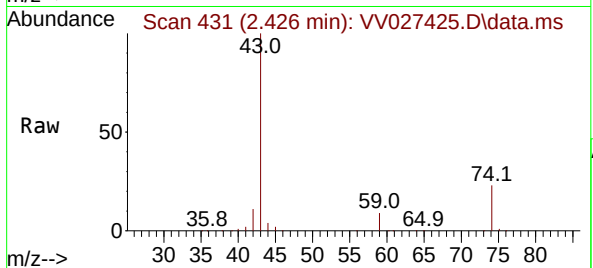




#15  
Methyl Acetate  
Concen: 51.089 ug/L  
RT: 2.426 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

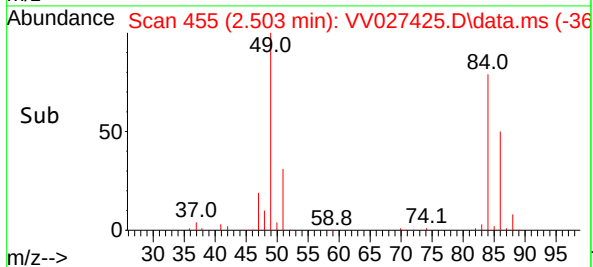
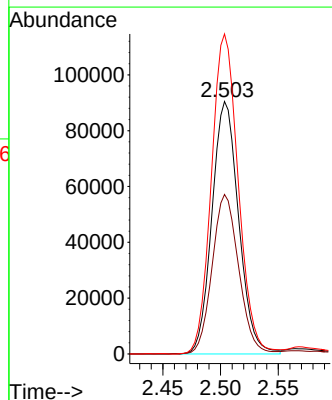
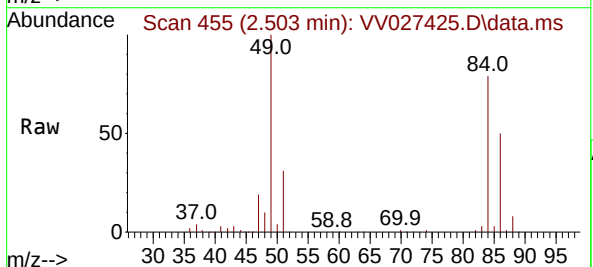
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

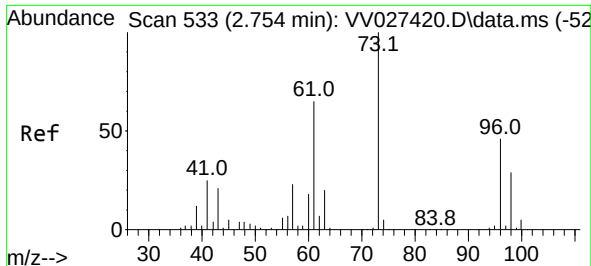
Tgt Ion: 43 Resp: 168249  
Ion Ratio Lower Upper  
43 100  
74 22.7 25.5 38.3#



#16  
Methylene chloride  
Concen: 50.887 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 84 Resp: 145733  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.0 83.6  
49 126.8 74.1 137.7

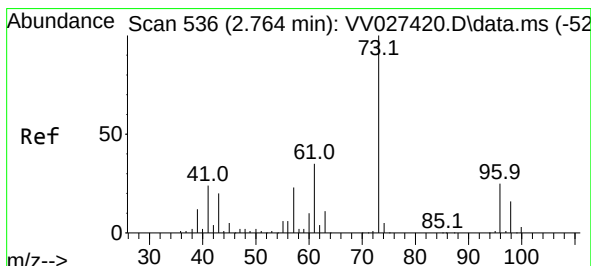
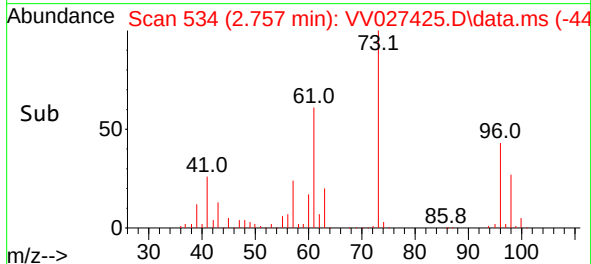
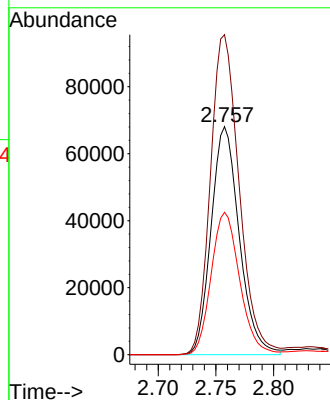
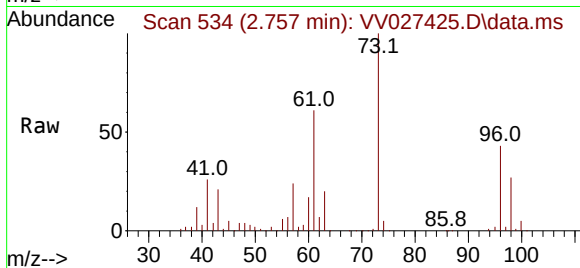




#17  
trans-1,2-Dichloroethene  
Concen: 48.726 ug/L  
RT: 2.757 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

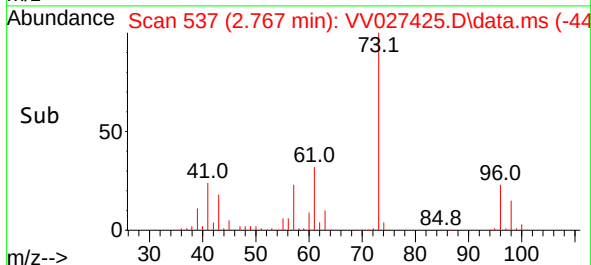
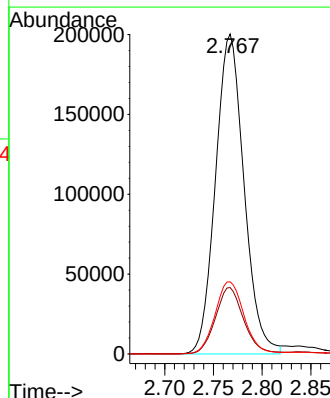
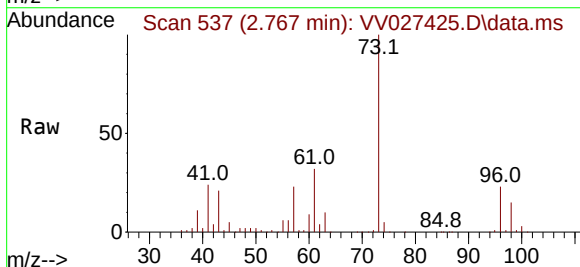
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

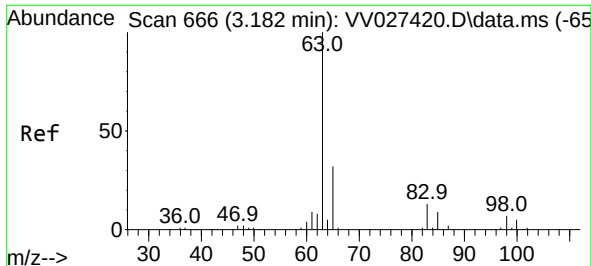
Tgt Ion: 96 Resp: 115606  
Ion Ratio Lower Upper  
96 100  
61 140.4 89.2 165.6  
98 62.5 44.6 82.8



#18  
Methyl tert-butyl Ether  
Concen: 57.752 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 73 Resp: 407516  
Ion Ratio Lower Upper  
73 100  
43 20.4 12.6 18.8#  
57 23.0 17.3 25.9





#19

1,1-Dichloroethane

Concen: 53.010 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

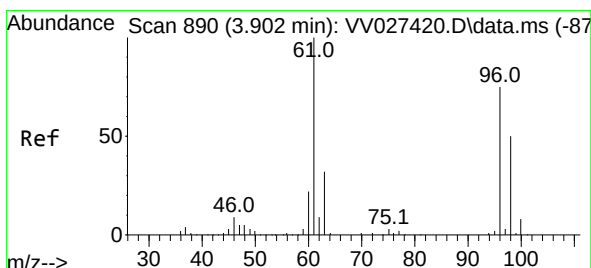
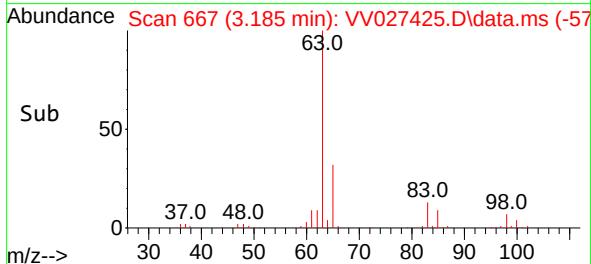
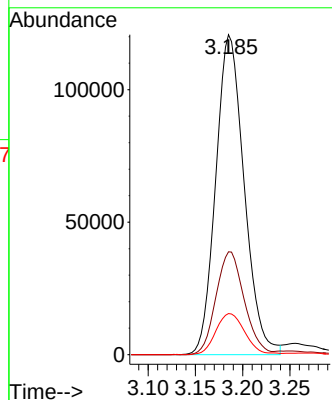
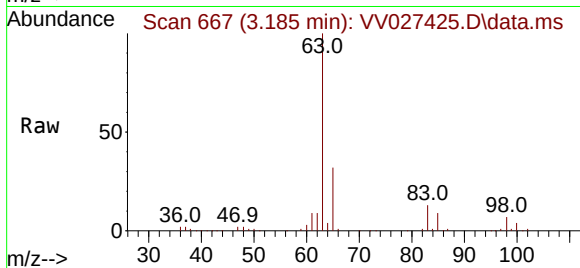
Tgt Ion: 63 Resp: 252477

Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.3

83 12.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 55.580 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.006 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

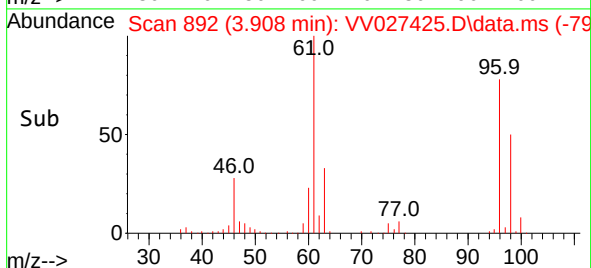
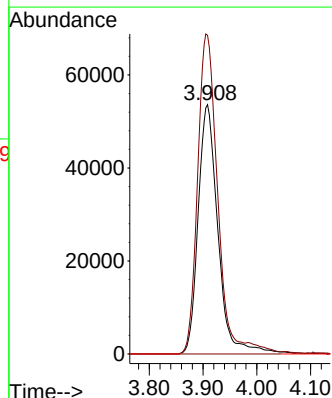
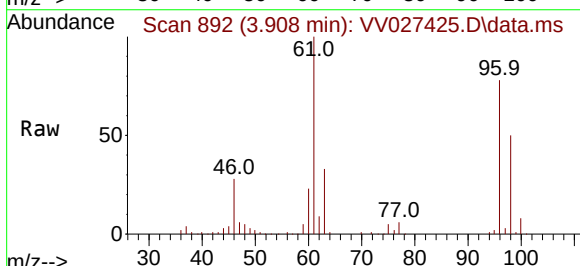
Tgt Ion: 96 Resp: 136985

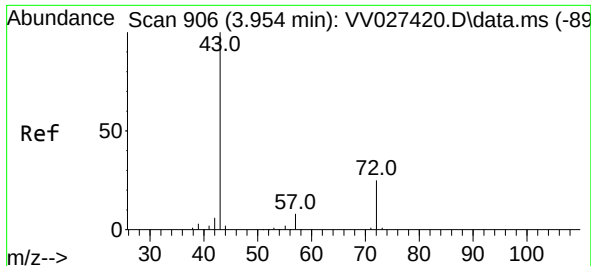
Ion Ratio Lower Upper

96 100

61 127.9 81.8 151.8

68 0.0 0.0 0.0

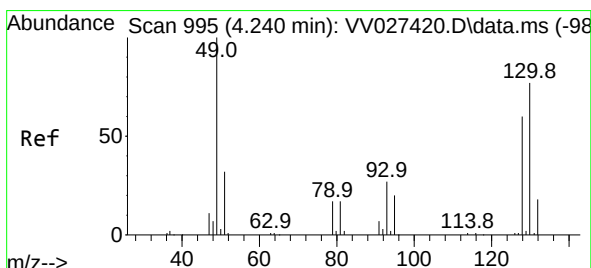
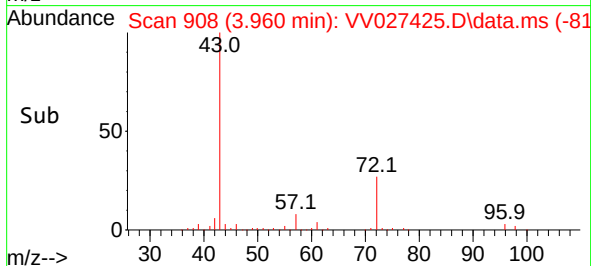
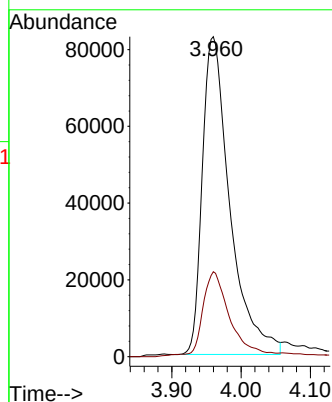
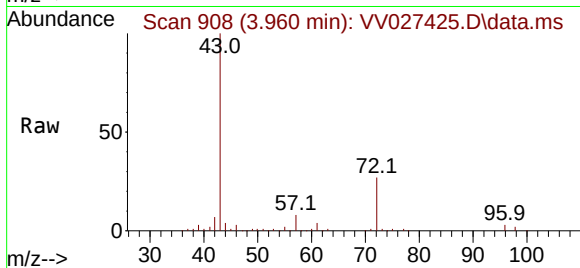




#22  
2-Butanone  
Concen: 115.419 ug/L  
RT: 3.960 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

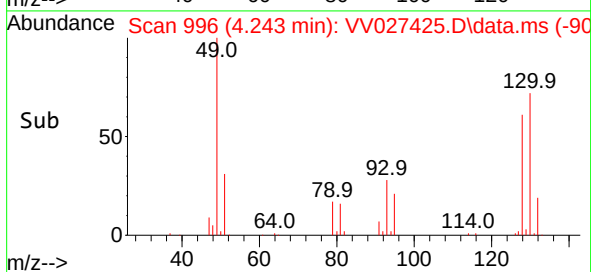
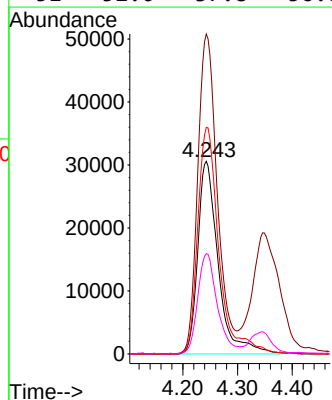
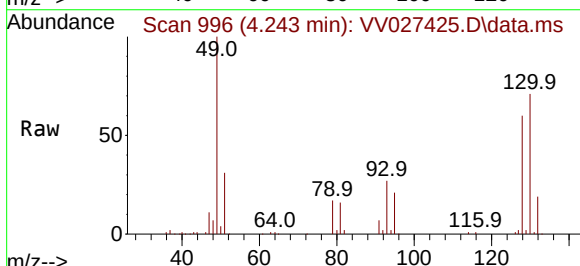
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

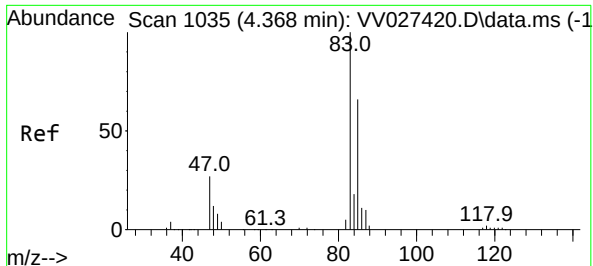
Tgt Ion: 43 Resp: 229113  
Ion Ratio Lower Upper  
43 100  
72 24.2 11.9 35.7



#23  
Bromochloromethane  
Concen: 57.499 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion:128 Resp: 79137  
Ion Ratio Lower Upper  
128 100  
49 166.1 98.7 183.3  
130 117.6 89.5 166.1  
51 52.0 37.8 56.8





#25

Chloroform

Concen: 56.923 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

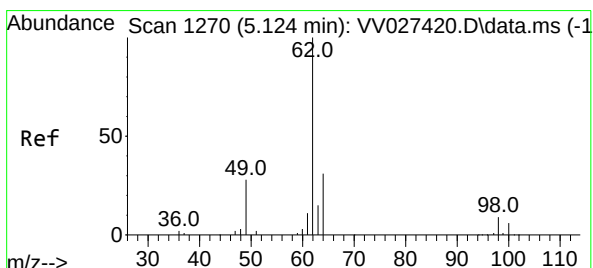
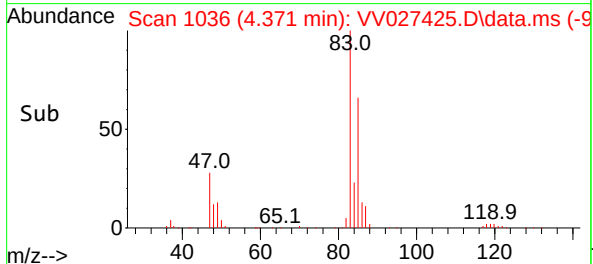
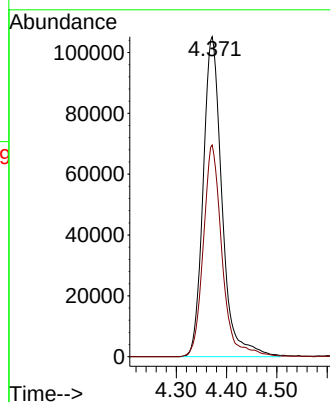
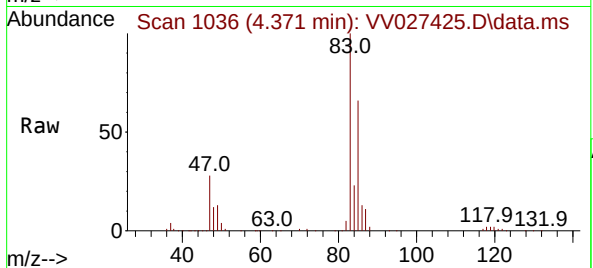
VSTD050339

Tgt Ion: 83 Resp: 273988

Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 57.195 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VV027425.D

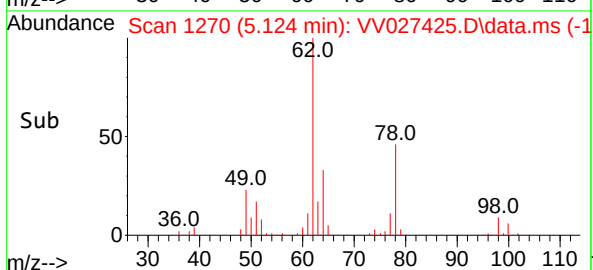
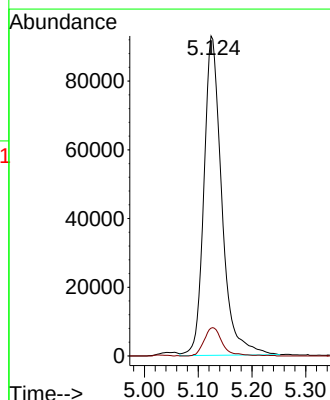
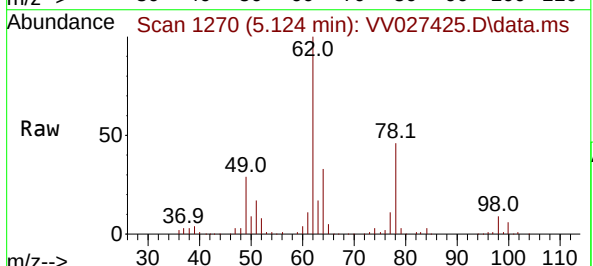
Acq: 17 Aug 2022 18:11

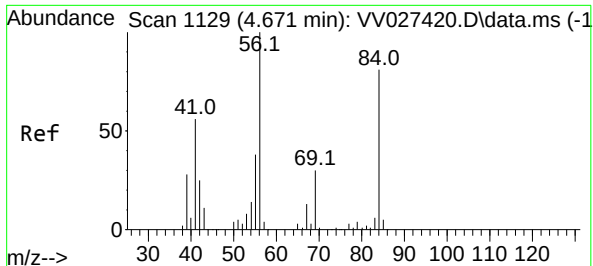
Tgt Ion: 62 Resp: 214408

Ion Ratio Lower Upper

62 100

98 8.7 9.0 13.6#

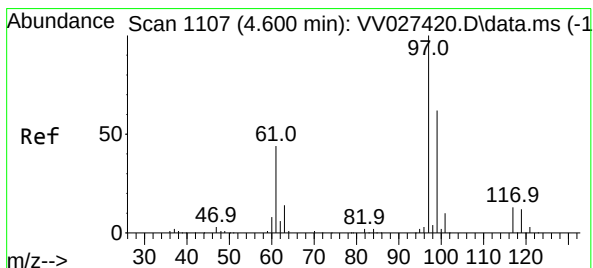
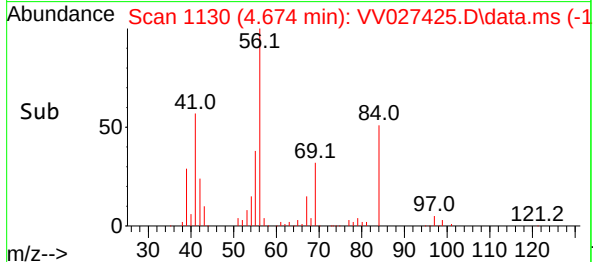
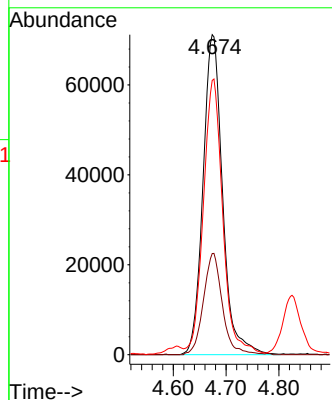
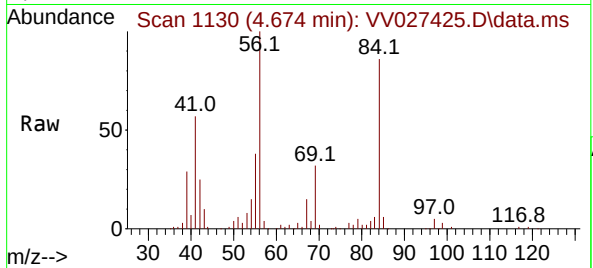




#29  
Cyclohexane  
Concen: 50.892 ug/L  
RT: 4.674 min Scan# 1129  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

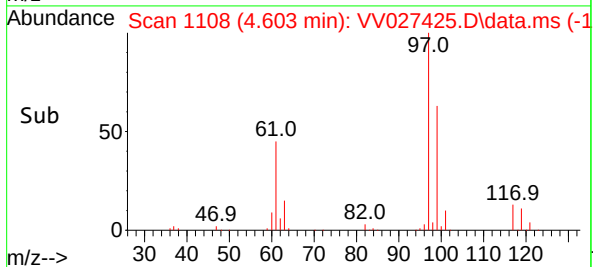
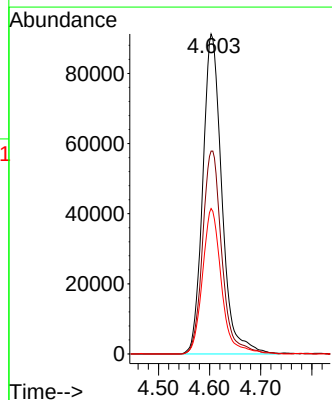
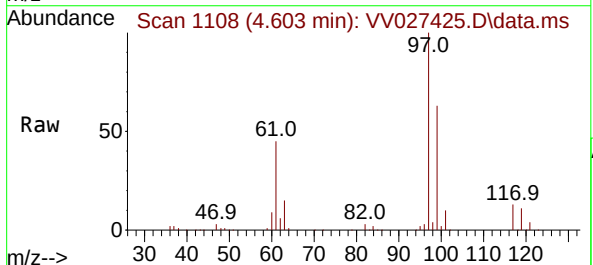
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

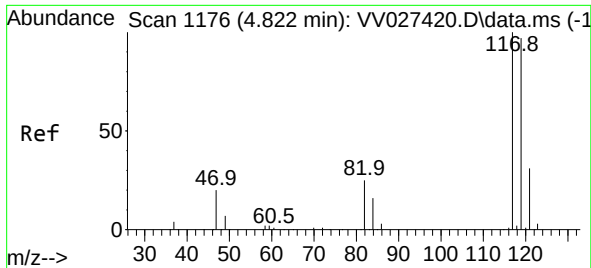
Tgt Ion: 56 Resp: 183287  
Ion Ratio Lower Upper  
56 100  
69 29.6 25.9 38.9  
84 83.9 75.3 112.9



#30  
1,1,1-Trichloroethane  
Concen: 57.197 ug/L  
RT: 4.603 min Scan# 1108  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 97 Resp: 237073  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.4 77.2  
61 45.1 32.1 48.1

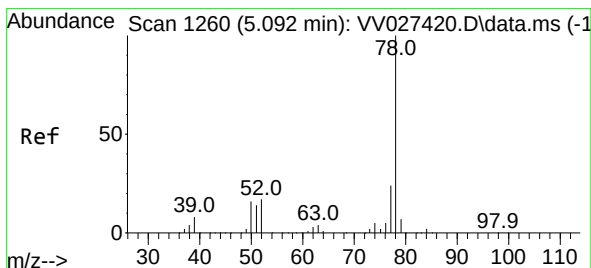
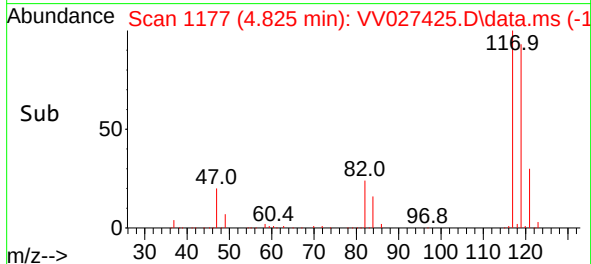
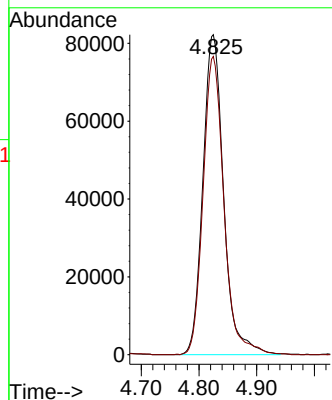
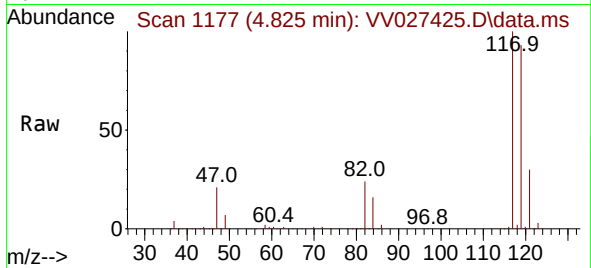




#31  
Carbon tetrachloride  
Concen: 57.060 ug/L  
RT: 4.825 min Scan# 1176  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

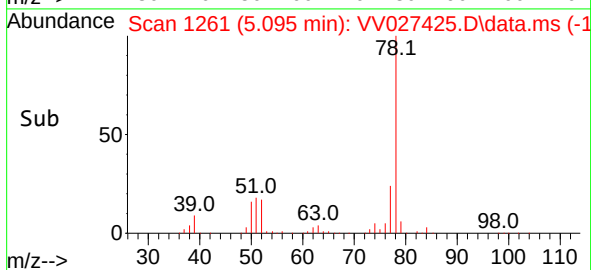
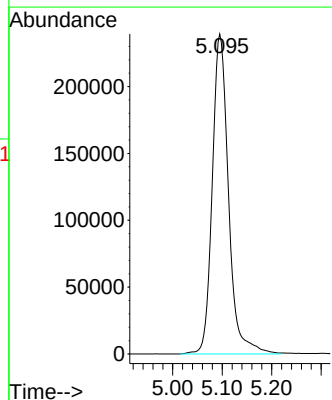
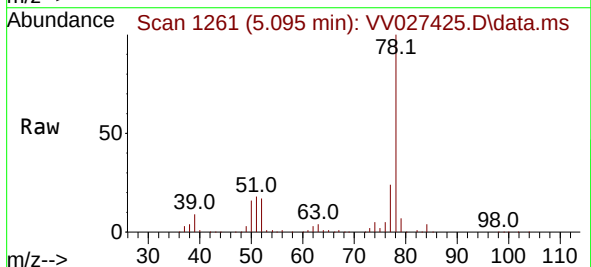
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

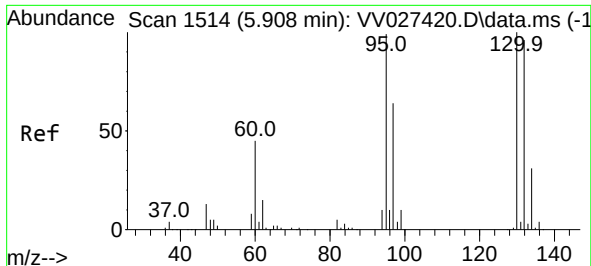
Tgt Ion:117 Resp: 205335  
Ion Ratio Lower Upper  
117 100  
119 93.7 77.0 115.6



#33  
Benzene  
Concen: 54.210 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 78 Resp: 544773





#34

Trichloroethene

Concen: 51.205 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

Tgt Ion: 95 Resp: 131755

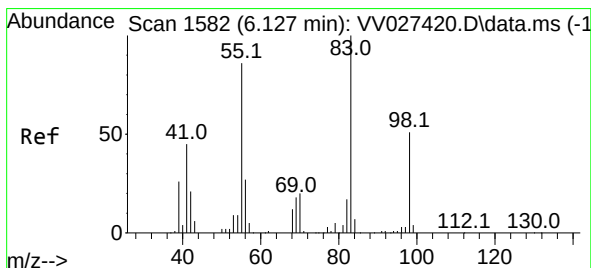
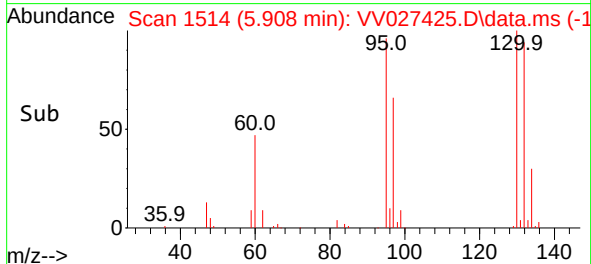
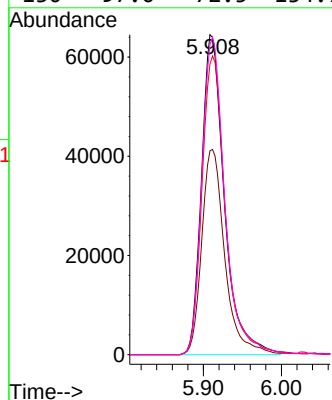
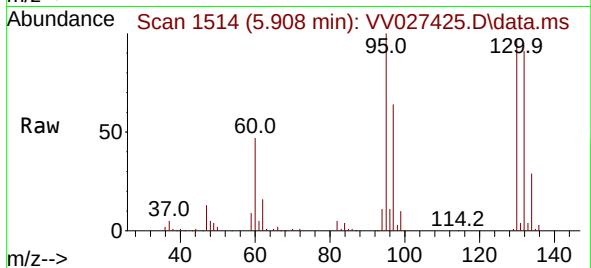
Ion Ratio Lower Upper

95 100

97 63.7 45.9 85.3

132 90.8 69.8 129.6

130 97.0 72.5 134.7



#35

Methylcyclohexane

Concen: 50.890 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

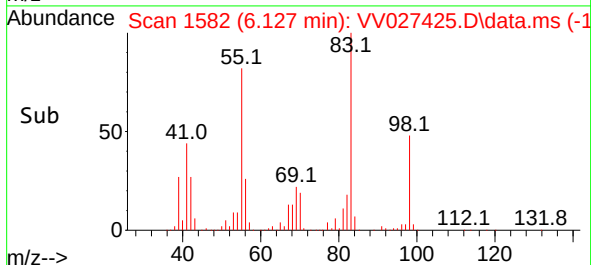
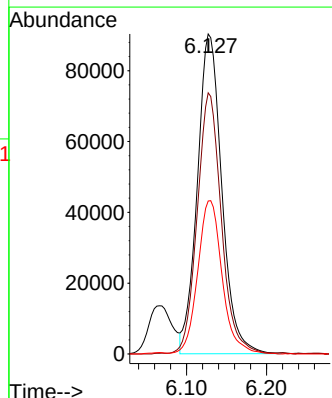
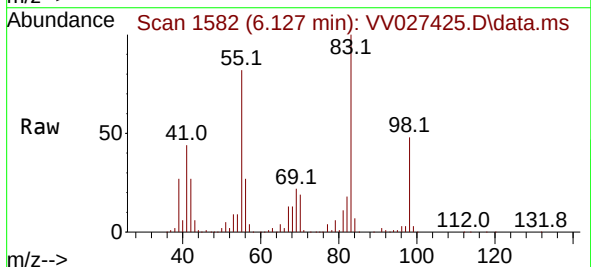
Tgt Ion: 83 Resp: 192548

Ion Ratio Lower Upper

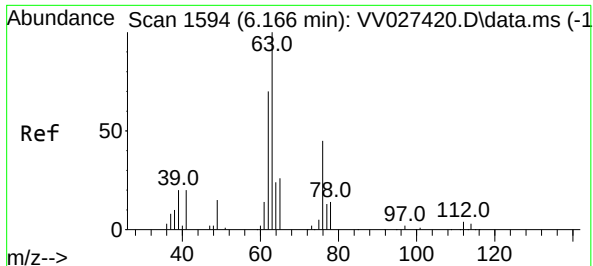
83 100

55 80.5 55.5 83.3

98 47.9 39.0 58.4







#37

1,2-Dichloropropane

Concen: 54.699 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

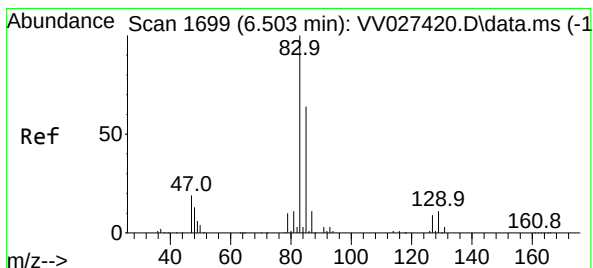
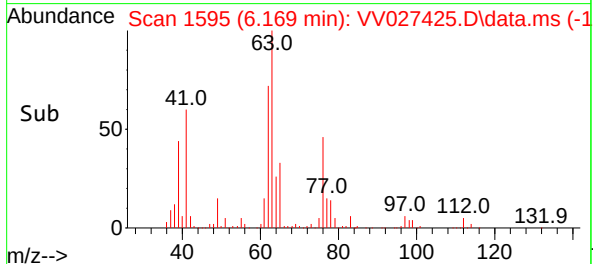
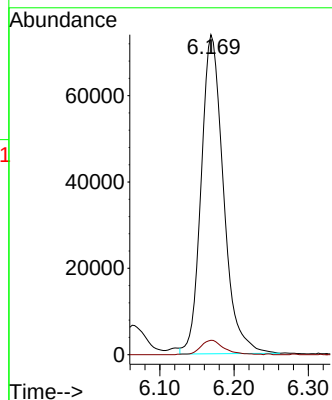
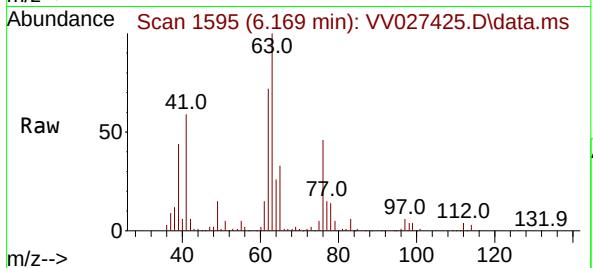
VSTD050339

Tgt Ion: 63 Resp: 153994

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 55.653 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

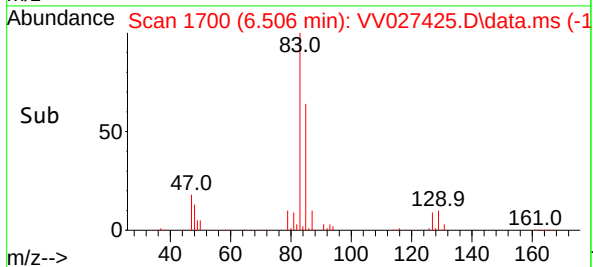
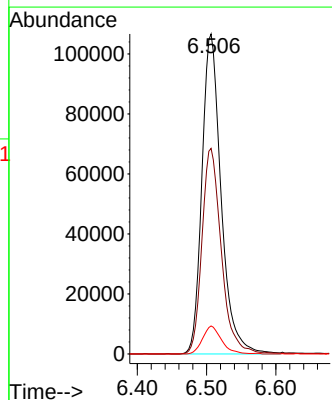
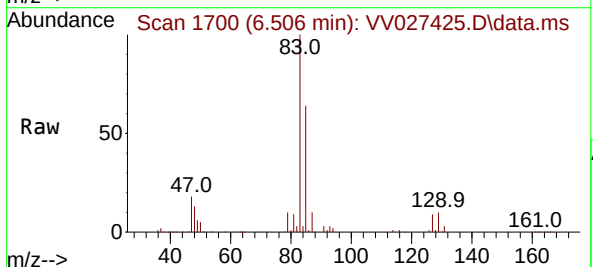
Tgt Ion: 83 Resp: 205294

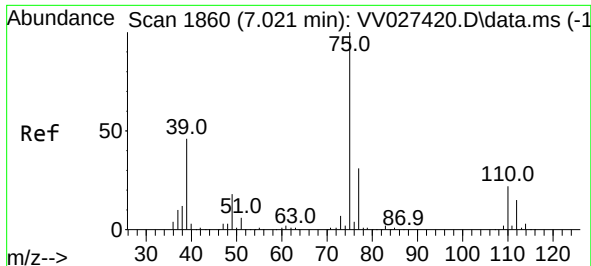
Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 56.491 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

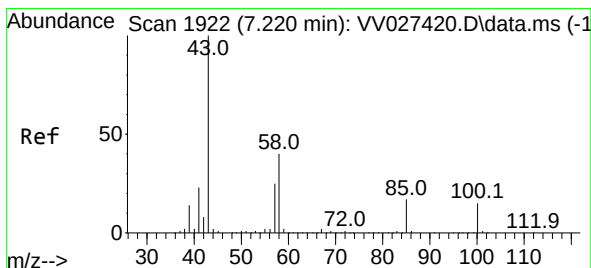
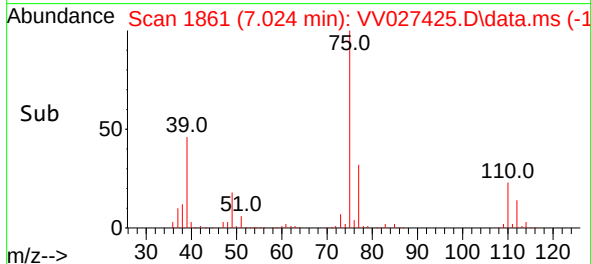
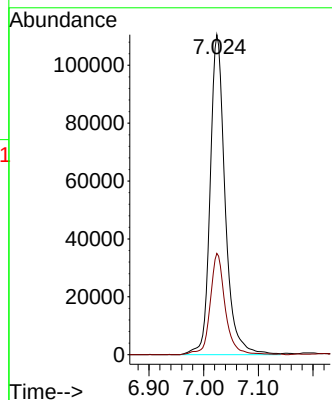
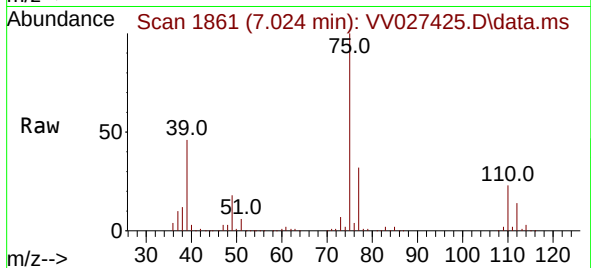
VSTD050339

Tgt Ion: 75 Resp: 210666

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 115.366 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

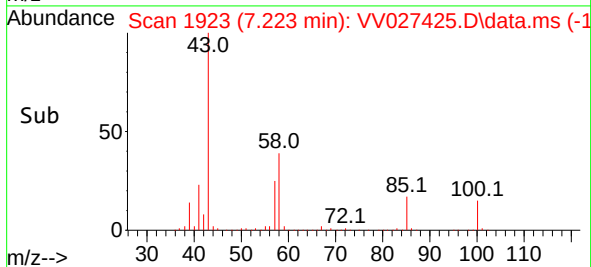
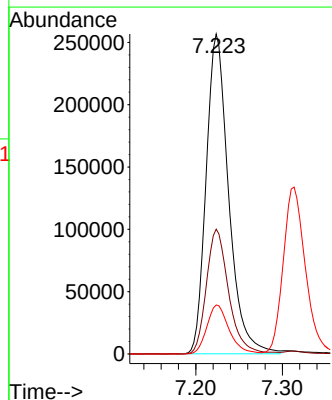
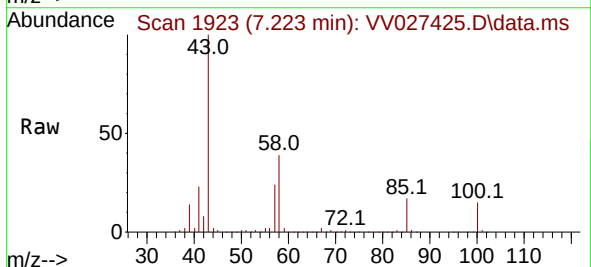
Tgt Ion: 43 Resp: 463345

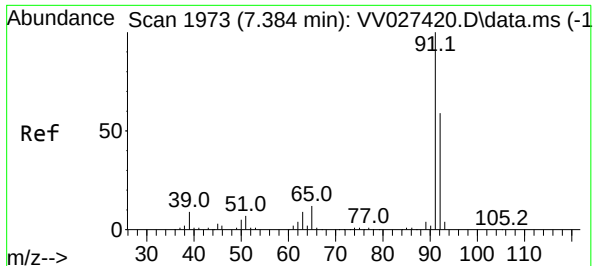
Ion Ratio Lower Upper

43 100

58 38.6 35.3 52.9

100 15.2 15.7 23.5

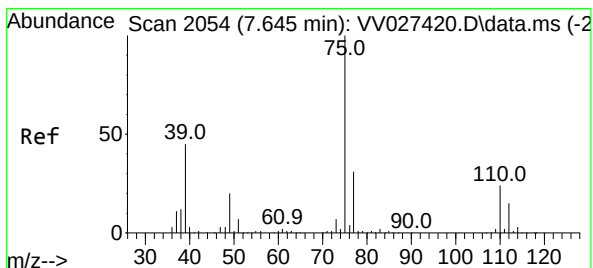
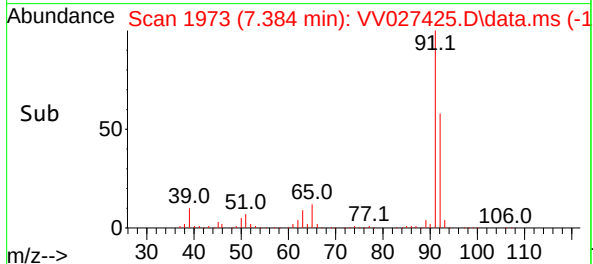
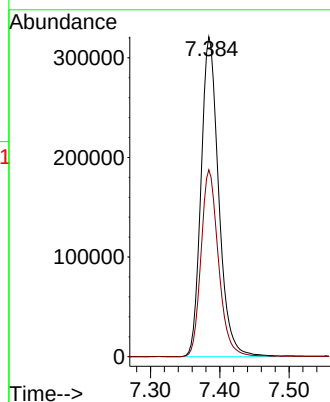
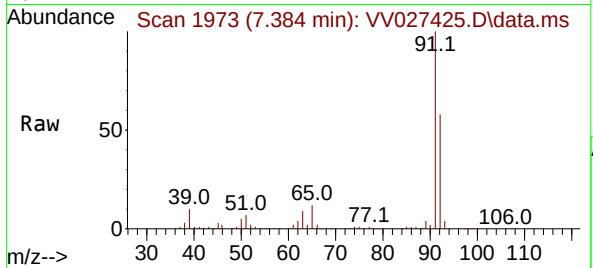




#42  
Toluene  
Concen: 55.730 ug/L  
RT: 7.384 min Scan# 1973  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

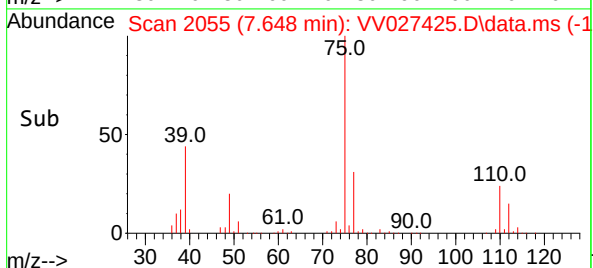
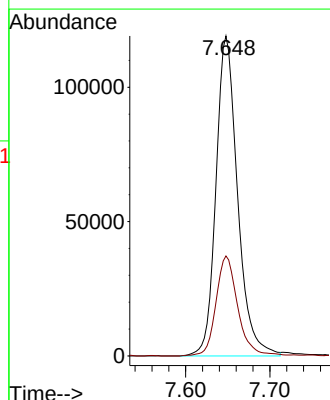
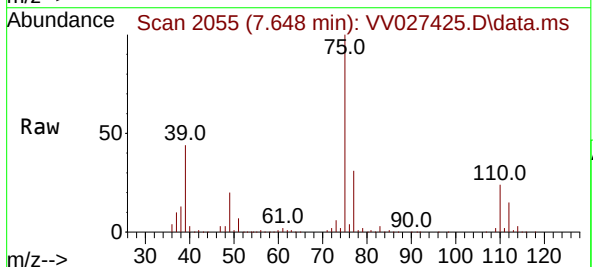
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

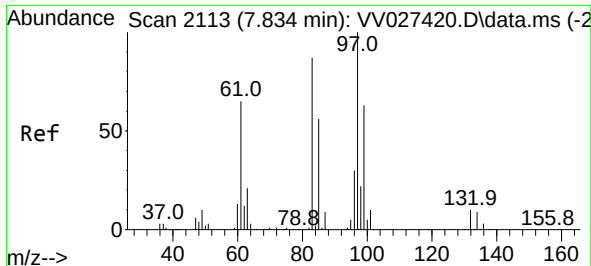
Tgt Ion: 91 Resp: 569417  
Ion Ratio Lower Upper  
91 100  
92 58.4 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 57.842 ug/L  
RT: 7.648 min Scan# 2055  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 75 Resp: 211977  
Ion Ratio Lower Upper  
75 100  
77 31.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 55.542 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

Tgt Ion: 97 Resp: 150710

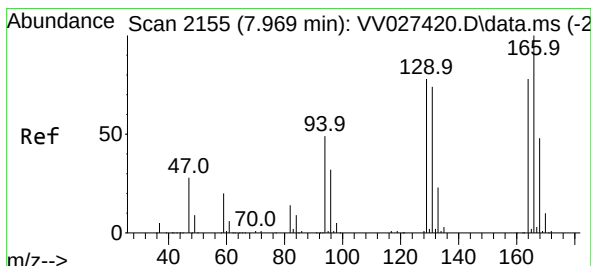
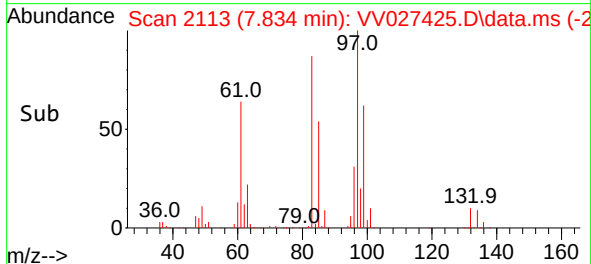
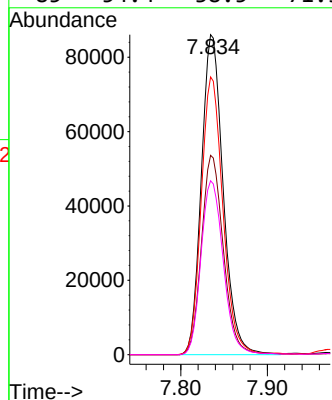
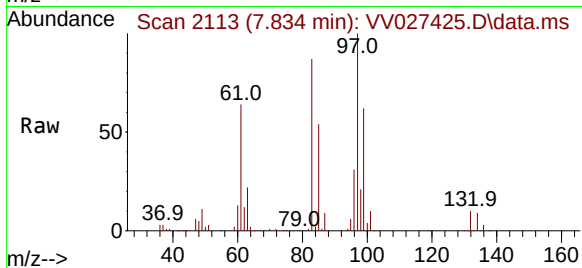
Ion Ratio Lower Upper

97 100

99 62.3 43.2 80.2

83 86.8 58.0 107.6

85 54.4 38.5 71.5



#46

Tetrachloroethene

Concen: 53.380 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Tgt Ion:164 Resp: 100531

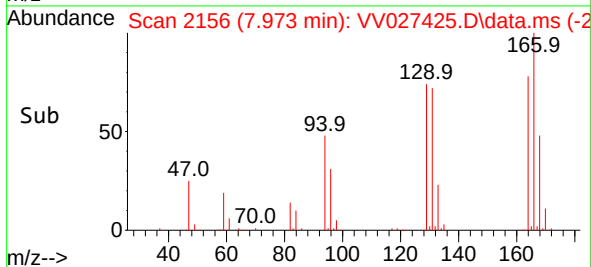
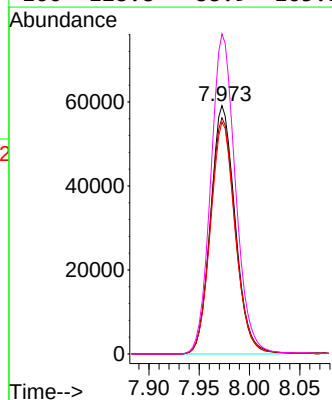
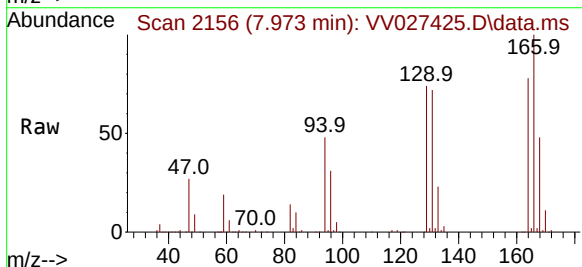
Ion Ratio Lower Upper

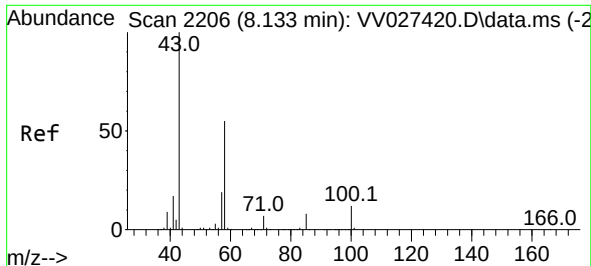
164 100

129 95.1 67.5 125.4

131 93.4 64.3 119.3

166 128.8 88.9 165.1

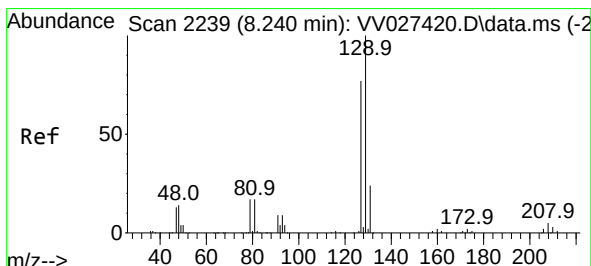
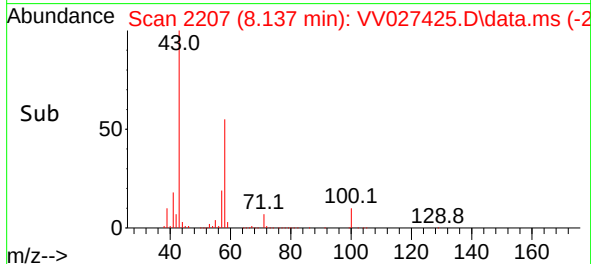
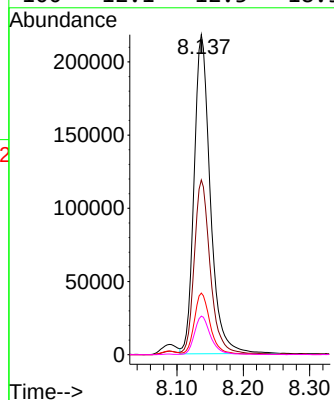
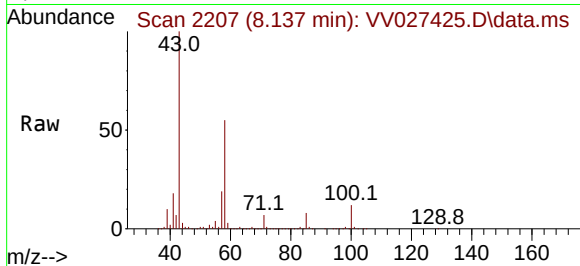




#48  
2-Hexanone  
Concen: 115.750 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

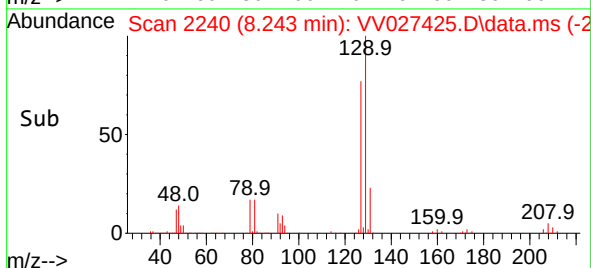
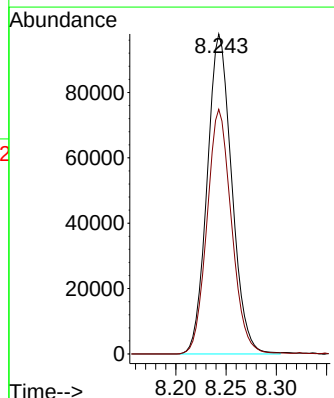
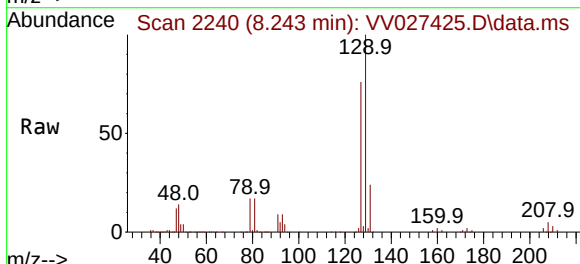
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

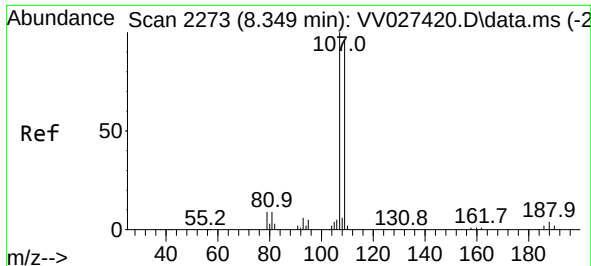
Tgt Ion: 43 Resp: 370252  
Ion Ratio Lower Upper  
43 100  
58 53.2 50.8 76.2  
57 18.8 17.1 25.7  
100 12.1 12.3 18.5#



#49  
Dibromochloromethane  
Concen: 58.074 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 129 Resp: 166573  
Ion Ratio Lower Upper  
129 100  
127 76.5 53.3 98.9





#50

1,2-Dibromoethane

Concen: 54.360 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

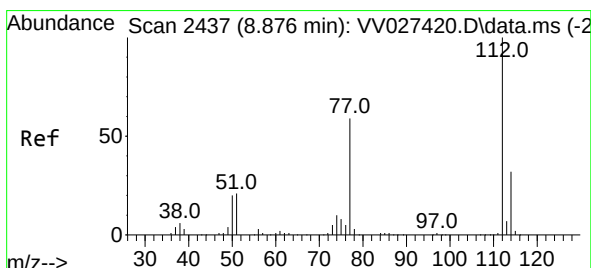
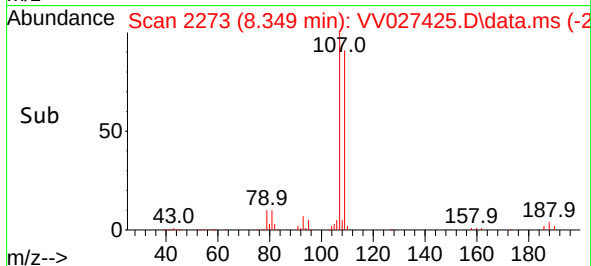
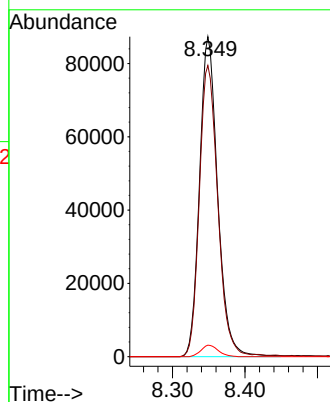
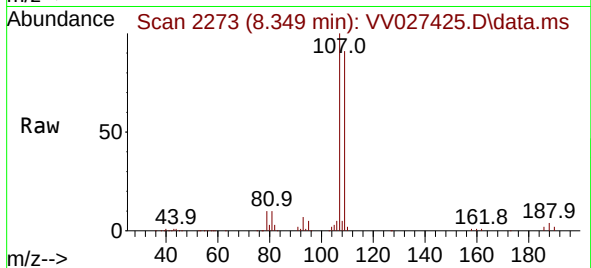
Tgt Ion:107 Resp: 151773

Ion Ratio Lower Upper

107 100

109 91.0 65.7 121.9

188 3.6 2.7 4.1



#51

Chlorobenzene

Concen: 53.554 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

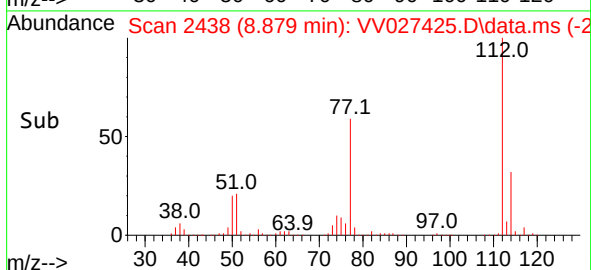
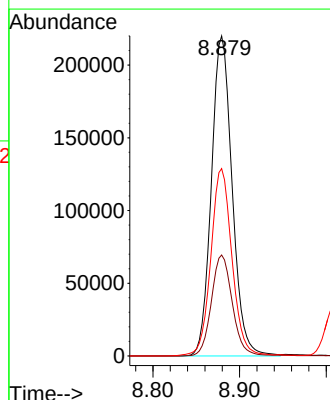
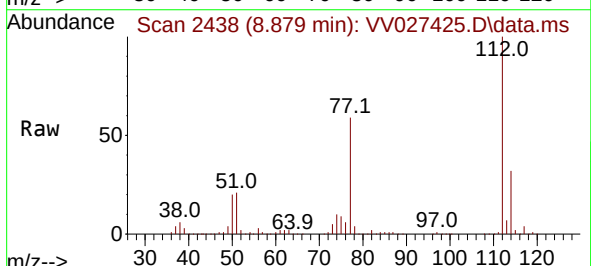
Tgt Ion:112 Resp: 367024

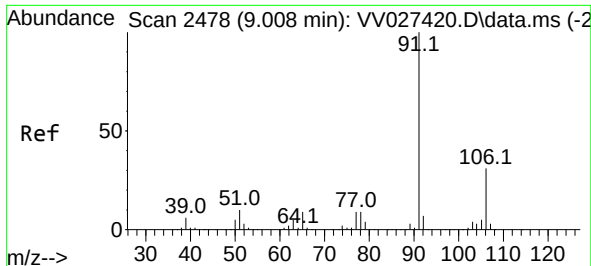
Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

77 58.5 44.2 66.2





#52

Ethylbenzene

Concen: 56.059 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

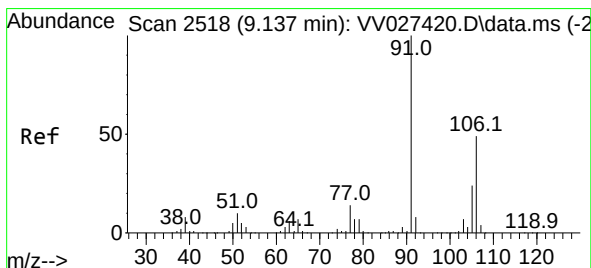
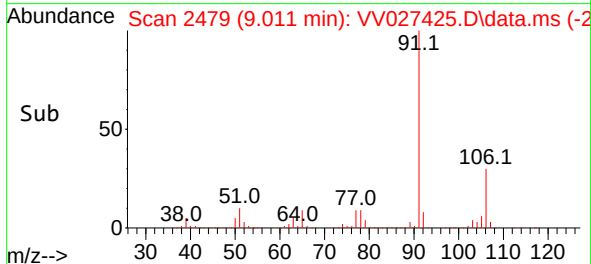
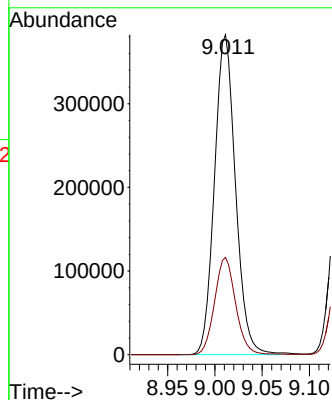
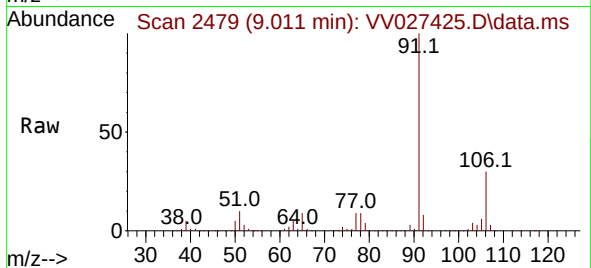
VSTD050339

Tgt Ion: 91 Resp: 591034

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.6



#53

m,p-Xylene

Concen: 57.137 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV027425.D

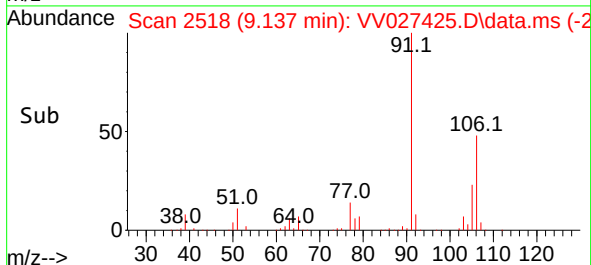
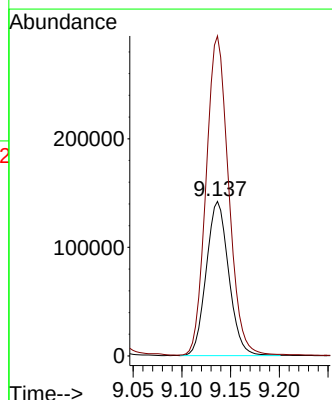
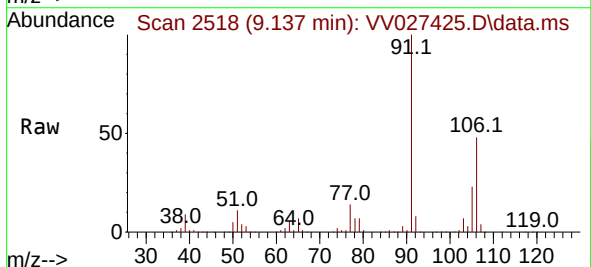
Acq: 17 Aug 2022 18:11

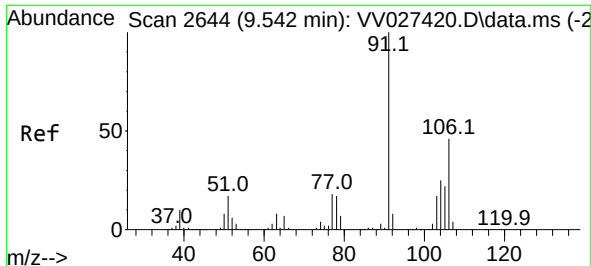
Tgt Ion: 106 Resp: 227663

Ion Ratio Lower Upper

106 100

91 207.0 137.5 255.3

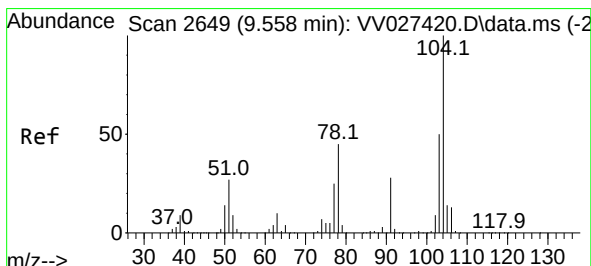
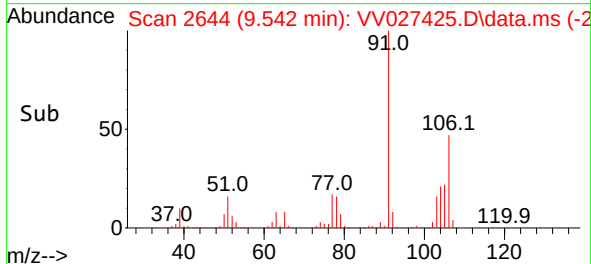
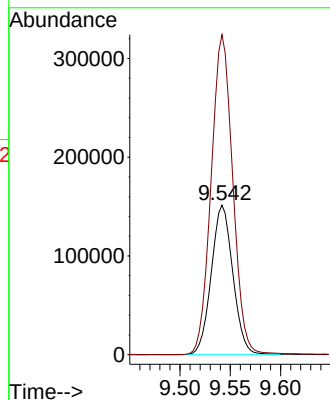
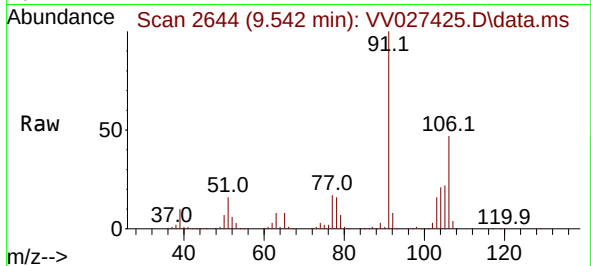




#54  
o-Xylene  
Concen: 58.256 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

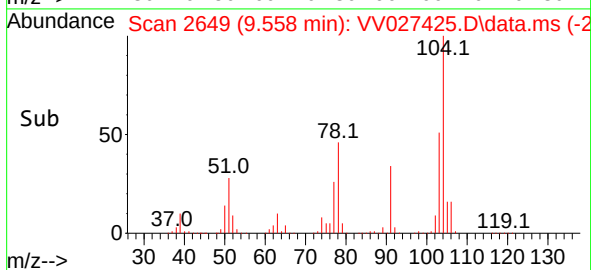
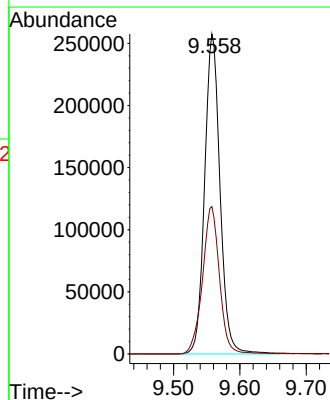
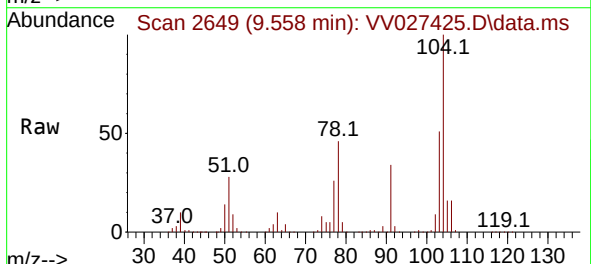
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

Tgt Ion:106 Resp: 226143  
Ion Ratio Lower Upper  
106 100  
91 213.9 146.6 272.2

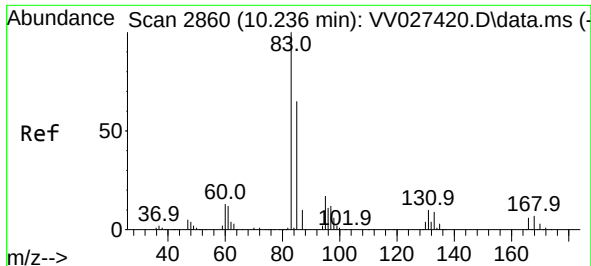


#55  
Styrene  
Concen: 60.913 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion:104 Resp: 416539  
Ion Ratio Lower Upper  
104 100  
78 46.1 29.6 55.0







#57

1,1,2,2-Tetrachloroethane

Concen: 54.471 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

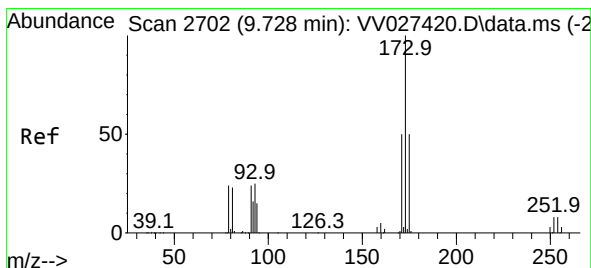
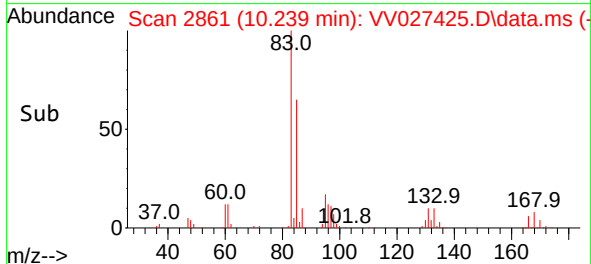
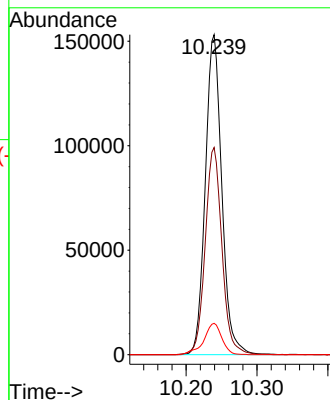
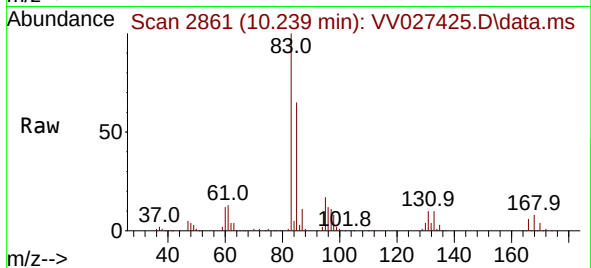
Tgt Ion: 83 Resp: 247609

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0

131 9.8 8.1 12.1



#59

Bromoform

Concen: 51.831 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

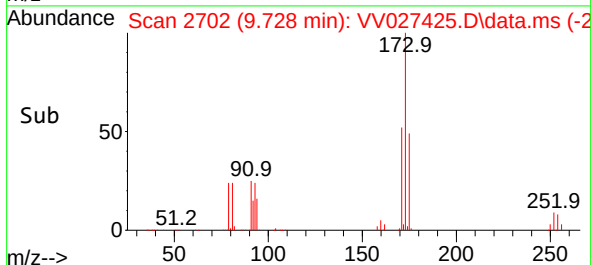
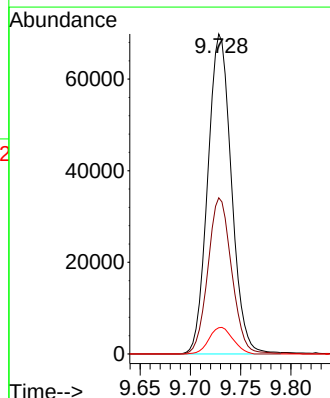
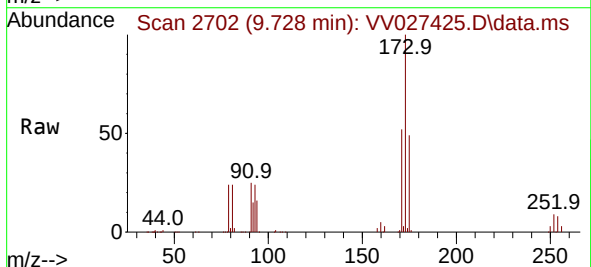
Tgt Ion: 173 Resp: 114384

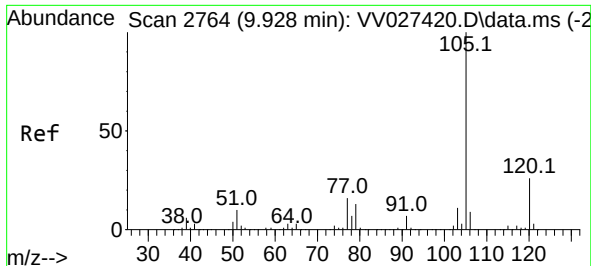
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 8.4 6.9 10.3

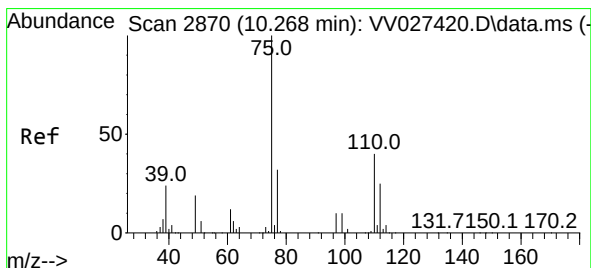
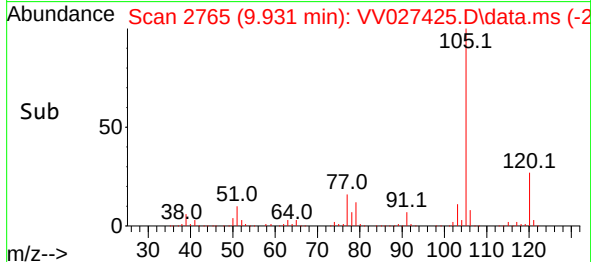
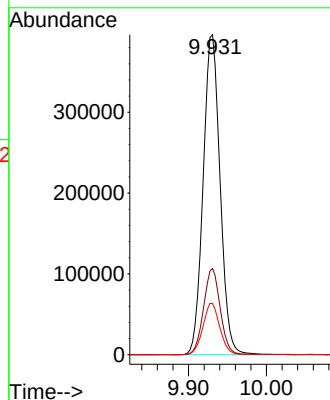
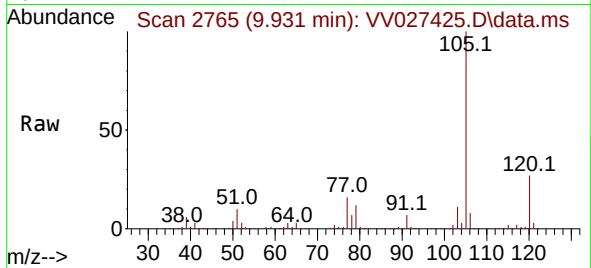




#60  
Isopropylbenzene  
Concen: 51.084 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

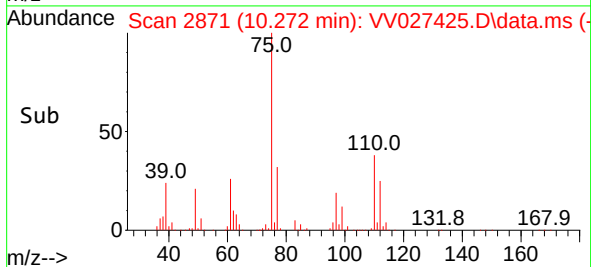
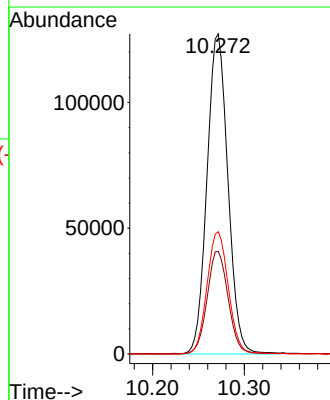
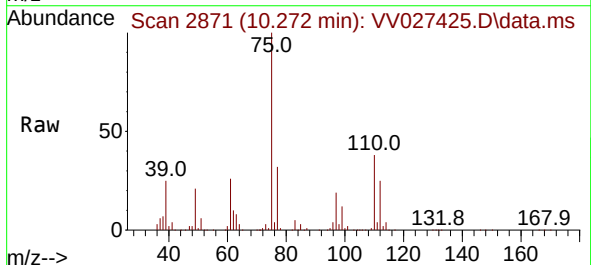
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

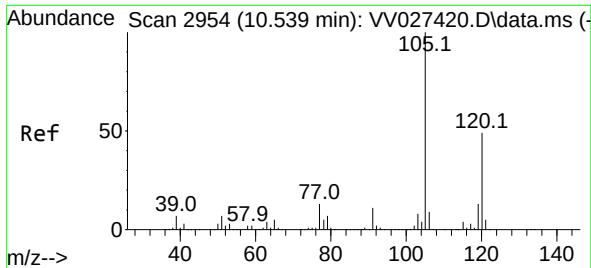
Tgt Ion:105 Resp: 597971  
Ion Ratio Lower Upper  
105 100  
120 26.5 21.4 32.0  
77 16.1 11.8 17.6



#61  
1,2,3-Trichloropropane  
Concen: 47.395 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion: 75 Resp: 202105  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.8 38.8  
110 38.7 32.7 49.1

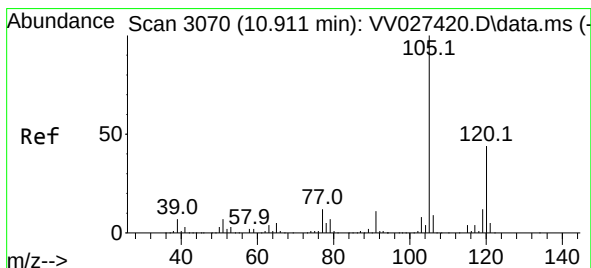
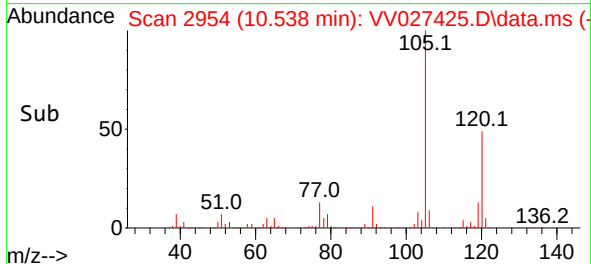
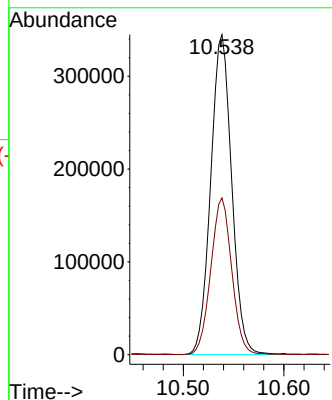
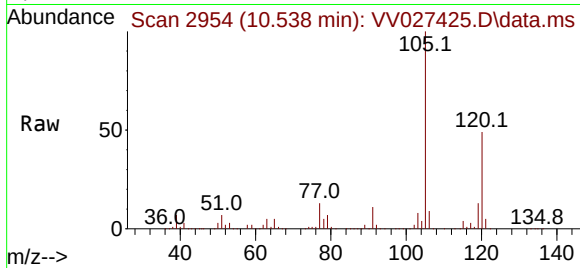




#62  
 1,3,5-Trimethylbenzene  
 Concen: 51.658 ug/L  
 RT: 10.538 min Scan# 2954  
 Delta R.T. -0.000 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

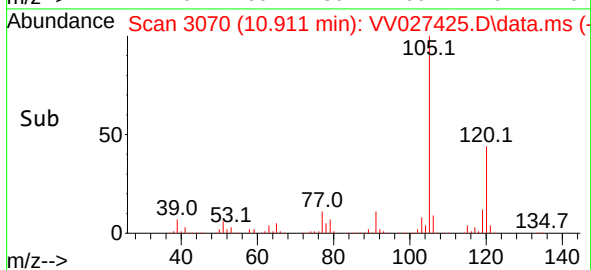
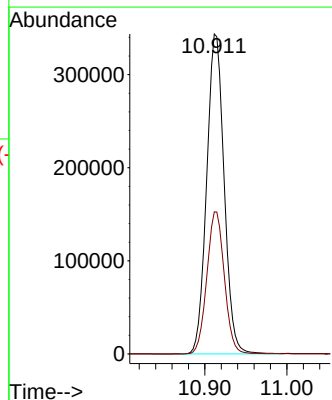
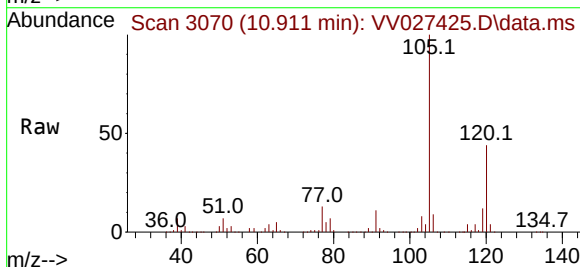
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050339

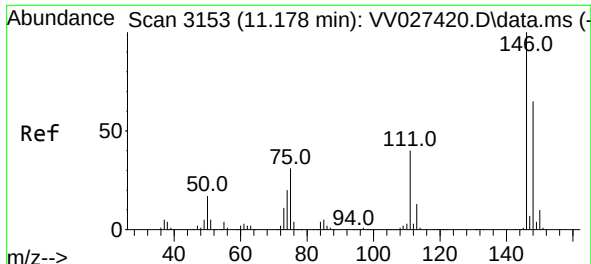
Tgt Ion:105 Resp: 499374  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 39.3 58.9



#63  
 1,2,4-Trimethylbenzene  
 Concen: 53.632 ug/L  
 RT: 10.911 min Scan# 3070  
 Delta R.T. -0.000 min  
 Lab File: VV027425.D  
 Acq: 17 Aug 2022 18:11

Tgt Ion:105 Resp: 507896  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 37.0 55.6

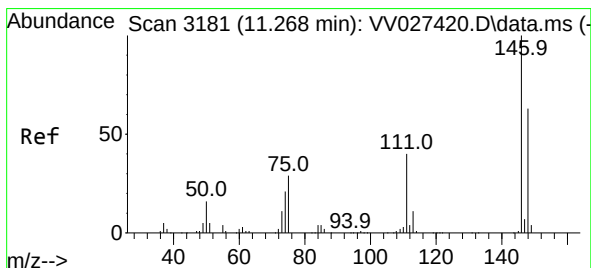
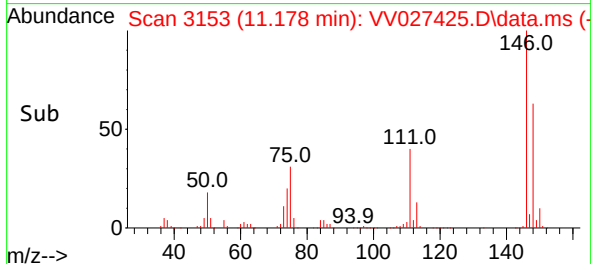
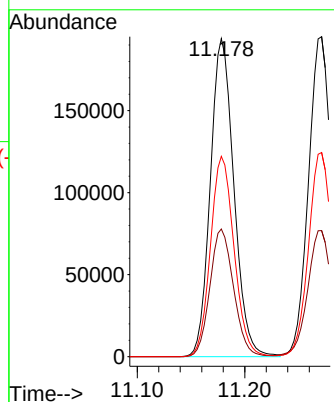
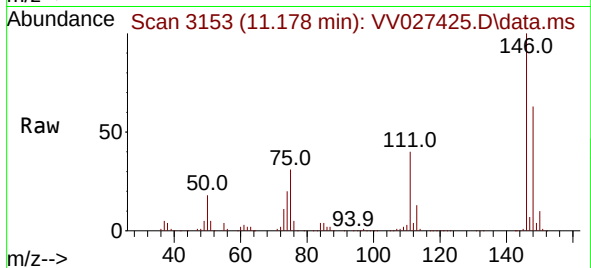




#64  
1,3-Dichlorobenzene  
Concen: 52.037 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

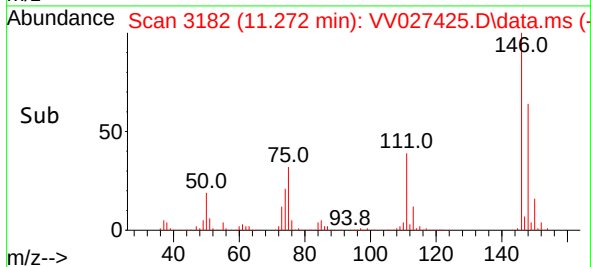
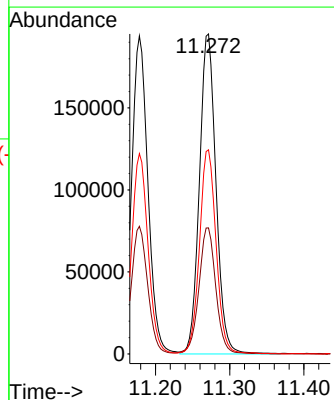
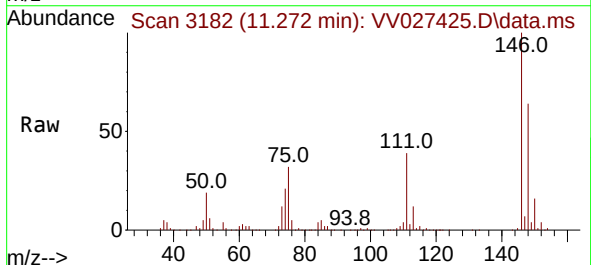
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

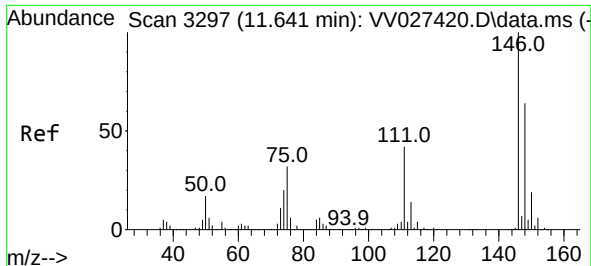
Tgt Ion:146 Resp: 295223  
Ion Ratio Lower Upper  
146 100  
111 40.2 28.4 52.8  
148 63.0 44.7 82.9



#65  
1,4-Dichlorobenzene  
Concen: 50.813 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Tgt Ion:146 Resp: 303390  
Ion Ratio Lower Upper  
146 100  
111 39.4 27.4 51.0  
148 63.8 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 50.827 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

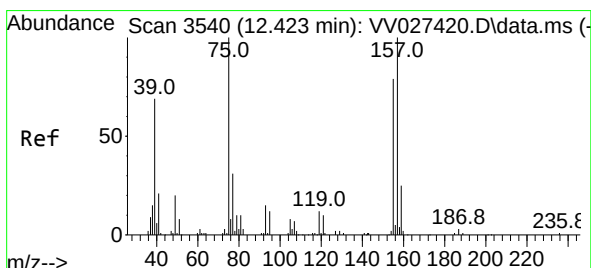
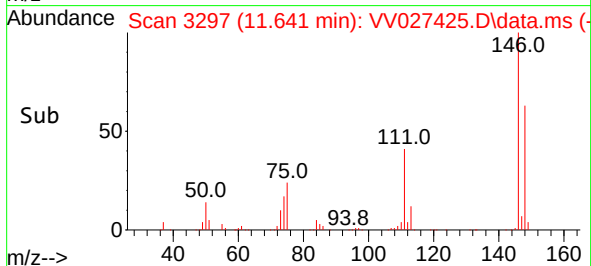
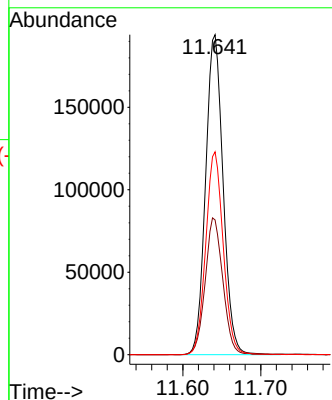
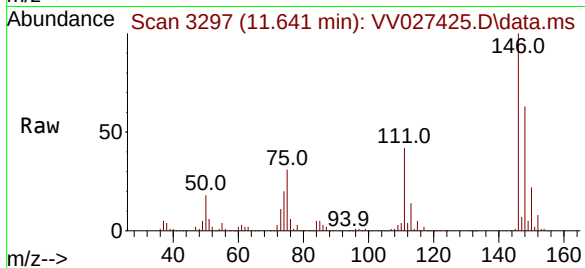
Tgt Ion:146 Resp: 302136

Ion Ratio Lower Upper

146 100

111 42.1 34.0 51.0

148 63.4 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 47.139 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.003 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

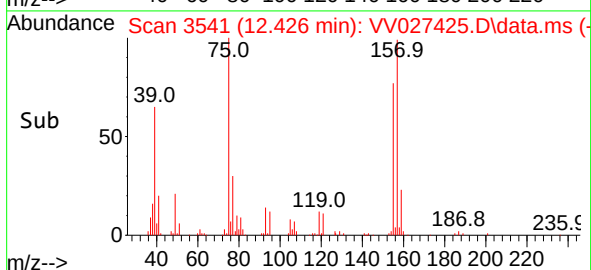
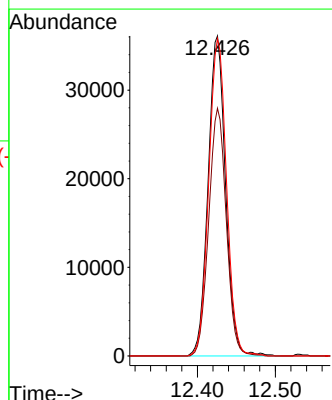
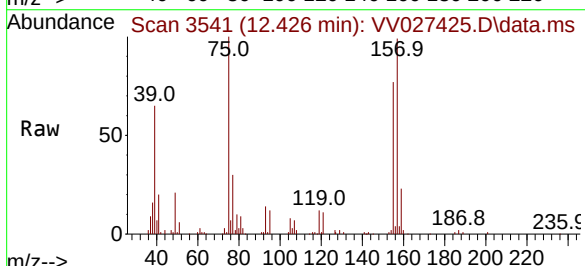
Tgt Ion: 75 Resp: 56395

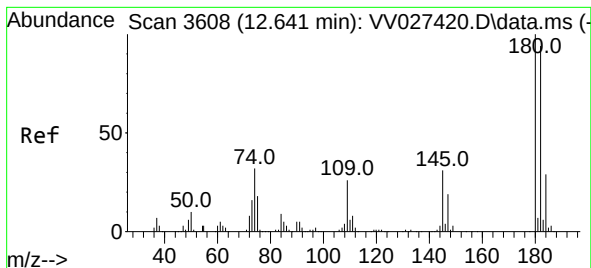
Ion Ratio Lower Upper

75 100

155 77.4 69.1 103.7

157 99.2 87.8 131.8





#69

1,3,5-Trichlorobenzene

Concen: 54.673 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050339

Tgt Ion:180 Resp: 208332

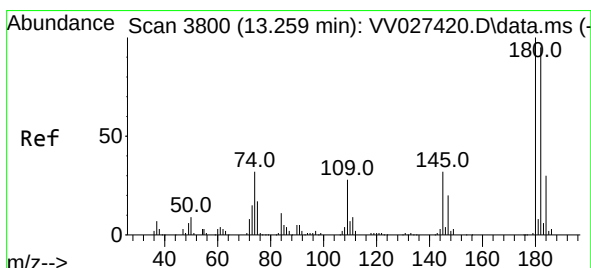
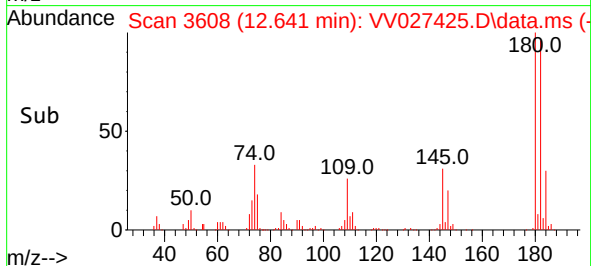
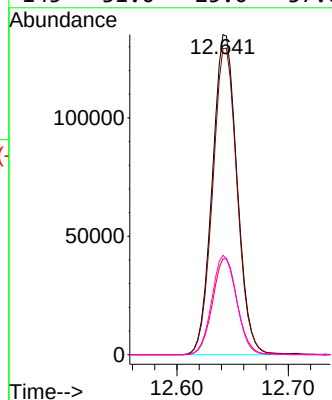
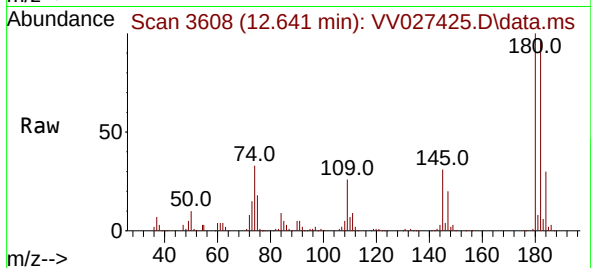
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

184 30.0 24.8 37.2

145 31.0 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 55.549 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027425.D

Acq: 17 Aug 2022 18:11

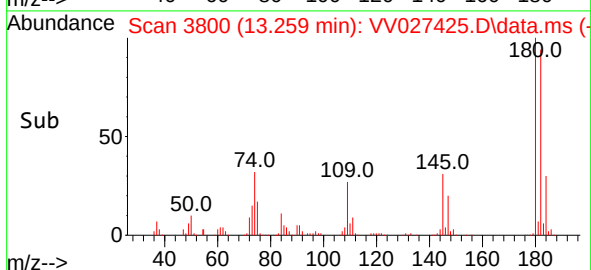
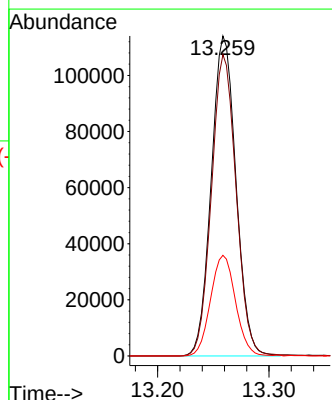
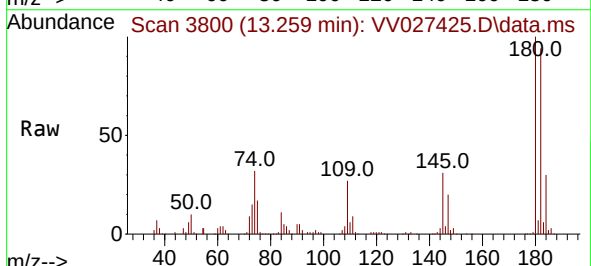
Tgt Ion:180 Resp: 175802

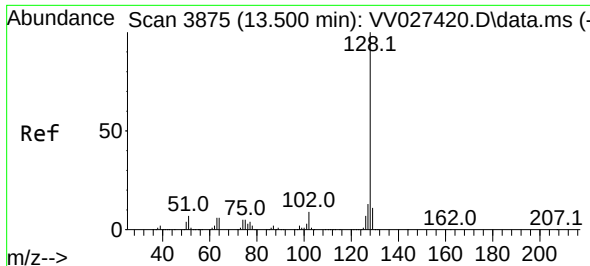
Ion Ratio Lower Upper

180 100

182 94.0 75.9 113.9

145 31.7 24.7 37.1

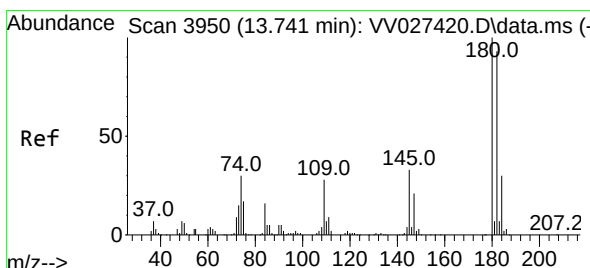
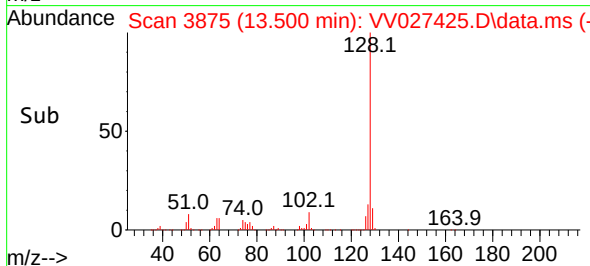
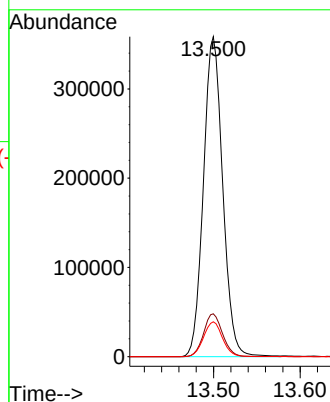
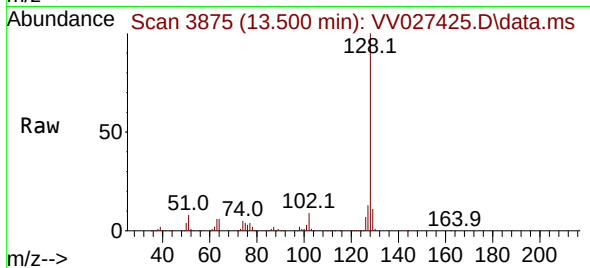




#71  
Naphthalene  
Concen: 51.123 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050339

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 554017 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.3  | 15.5   |
| 129       | 10.8  | 8.6   | 13.0   |



#72  
1,2,3-Trichlorobenzene  
Concen: 56.440 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV027425.D  
Acq: 17 Aug 2022 18:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 197988 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.2  | 76.3  | 114.5  |
| 145       | 33.6  | 27.4  | 41.0   |

