

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100722\  
 Data File : VW028402.D  
 Acq On : 07 Oct 2022 12:41  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050349

Quant Time: Oct 07 23:46:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 07 23:36:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 448661   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117   | 411429   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152   | 210674   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 152534   | 44.061   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 88.120%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 125477   | 45.711   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.420%  |
| 11) 1,1-Dichloroethene-d2     | 2.102   | 63    | 268195   | 45.519   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.040%  |
| 21) 2-Butanone-d5             | 3.892   | 46    | 300397   | 99.123   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.120%  |
| 24) Chloroform-d              | 4.339   | 84    | 308705   | 48.621   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.240%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 197831   | 48.313   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.620%  |
| 32) Benzene-d6                | 5.040   | 84    | 626928   | 47.554   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.100%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 207637   | 48.306   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.620%  |
| 41) Toluene-d8                | 7.310   | 98    | 567565   | 48.085   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.160%  |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79    | 108501   | 49.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.040%  |
| 47) 2-Hexanone-d5             | 8.082   | 63    | 235225   | 100.599  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 284199   | 48.317   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616  | 152   | 211787   | 48.516   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.040%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124   | 85    | 151692   | 44.905   | ug/L   | 100      |
| 3) Chloromethane              | 1.237   | 50    | 168685   | 44.356   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.304   | 62    | 171972   | 45.060   | ug/L   | 99       |
| 6) Bromomethane               | 1.516   | 94    | 87185    | 50.100   | ug/L   | 100      |
| 8) Chloroethane               | 1.581   | 64    | 106564   | 45.997   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 215388   | 45.666   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 121327   | 45.388   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.111   | 96    | 120850   | 46.051   | ug/L   | 96       |
| 13) Acetone                   | 2.185   | 43    | 172636   | 73.538   | ug/L   | 93       |
| 14) Carbon disulfide          | 2.288   | 76    | 396413   | 47.234   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.433   | 43    | 181768   | 45.858   | ug/L   | 99       |
| 16) Methylene chloride        | 2.500   | 84    | 160109   | 46.949   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.751   | 96    | 140202   | 45.804   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 530861   | 47.177   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.182   | 63    | 288495   | 46.138   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 161478   | 46.308   | ug/L   | 100      |
| 22) 2-Butanone                | 3.976   | 43    | 299995   | 96.935   | ug/L   | 93       |
| 23) Bromochloromethane        | 4.240   | 128   | 80154    | 47.299   | ug/L   | 97       |
| 25) Chloroform                | 4.365   | 83    | 283622   | 46.462   | ug/L   | 95       |

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 Sample : VSTDCCC050  
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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD050349

Quant Time: Oct 07 23:46:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 07 23:36:34 2022  
 Response via : Initial Calibration

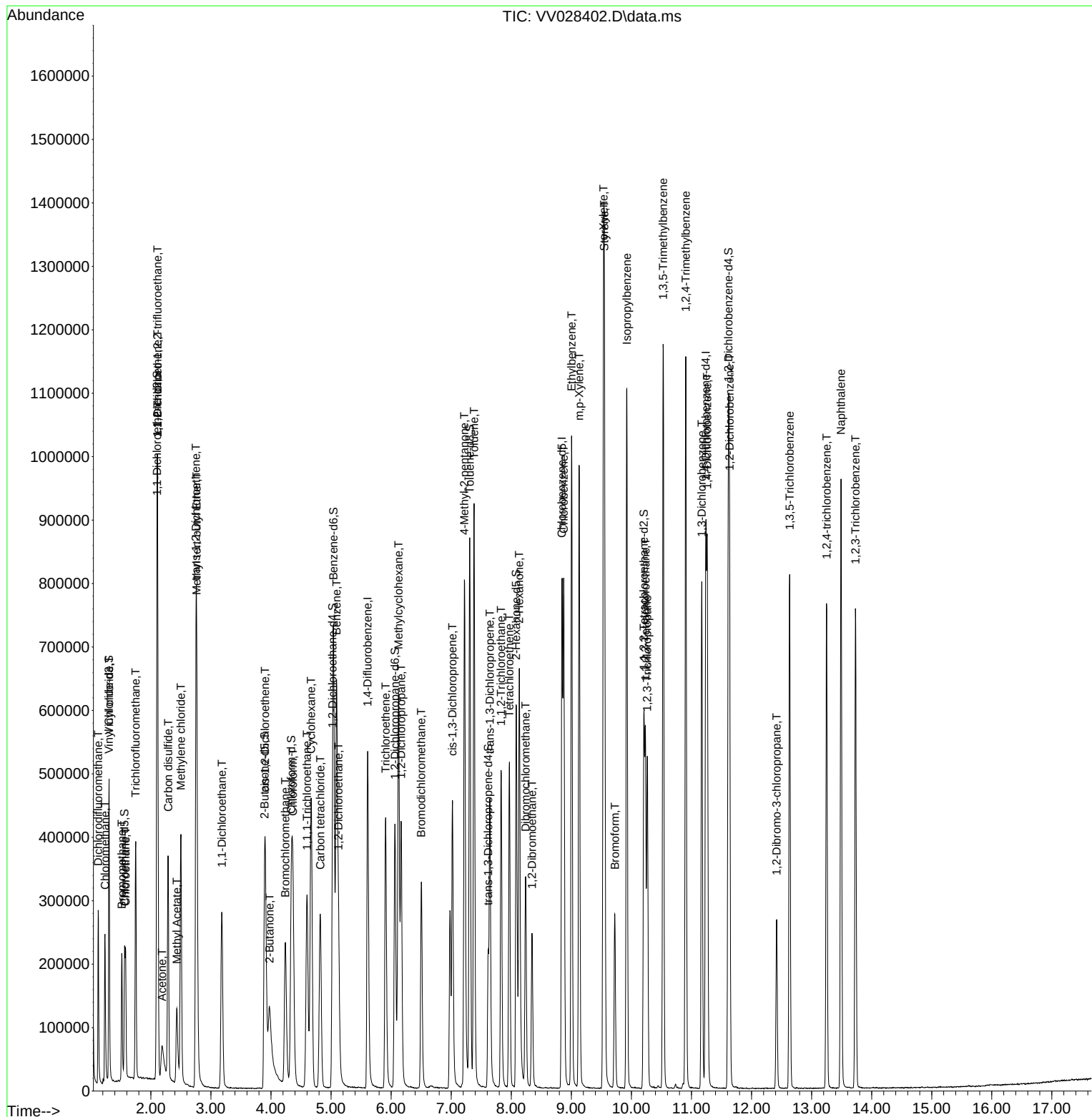
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 218406   | 46.697 | ug/L  | 99       |
| 29) Cyclohexane               | 4.667  | 56   | 267663   | 45.230 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 249140   | 46.875 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 211188   | 47.467 | ug/L  | 97       |
| 33) Benzene                   | 5.092  | 78   | 626376   | 46.290 | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 151361   | 45.091 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.124  | 83   | 263671   | 45.180 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 164525   | 45.352 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 221058   | 46.772 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 268697   | 46.558 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 586925   | 94.861 | ug/L  | 99       |
| 42) Toluene                   | 7.381  | 91   | 650497   | 46.638 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 265521   | 47.937 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 159600   | 47.498 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.969  | 164  | 114178   | 47.337 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.133  | 43   | 447769   | 94.270 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.240  | 129  | 168742   | 46.719 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 161878   | 46.527 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 404988   | 46.280 | ug/L  | 100      |
| 52) Ethylbenzene              | 9.005  | 91   | 711843   | 46.826 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.130  | 106  | 268484   | 46.595 | ug/L  | 96       |
| 54) o-Xylene                  | 9.535  | 106  | 267242   | 46.320 | ug/L  | 99       |
| 55) Styrene                   | 9.551  | 104  | 465078   | 46.940 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 265419   | 46.124 | ug/L  | 99       |
| 59) Bromoform                 | 9.725  | 173  | 123487   | 47.333 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.924  | 105  | 707112   | 46.579 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 210463   | 46.926 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 613273   | 46.644 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 608132   | 46.598 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 311338   | 46.889 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 307271   | 46.378 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 310759   | 46.372 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 66863    | 48.716 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 238072   | 47.208 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 215855   | 48.561 | ug/L  | 98       |
| 71) Naphthalene               | 13.490 | 128  | 726087   | 52.518 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 218369   | 50.389 | ug/L  | 99       |

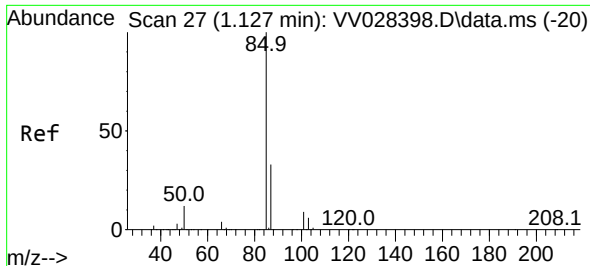
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 23:46:09 2022  
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 Quant Title : VOC Analysis  
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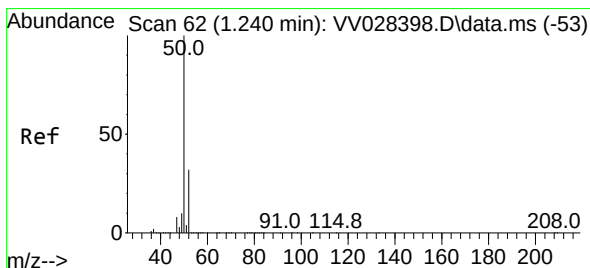
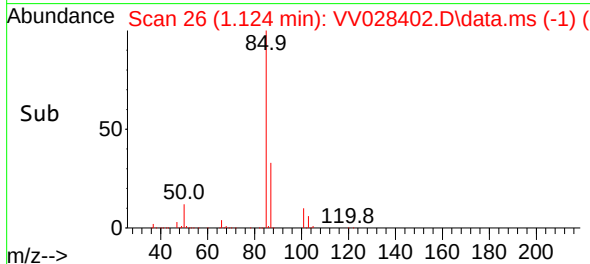
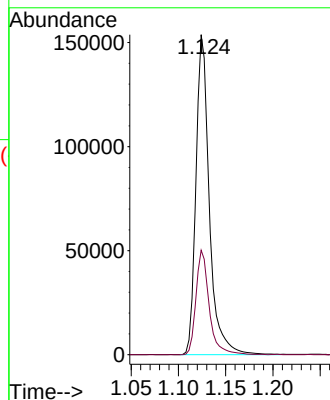
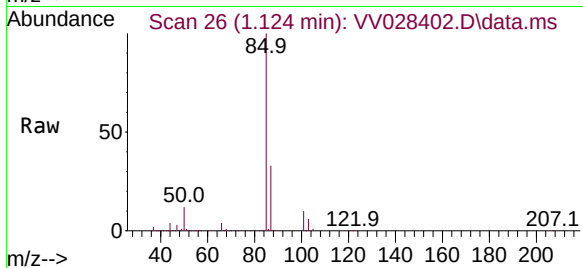




#2  
Dichlorodifluoromethane  
Concen: 44.905 ug/L  
RT: 1.124 min Scan# 20  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

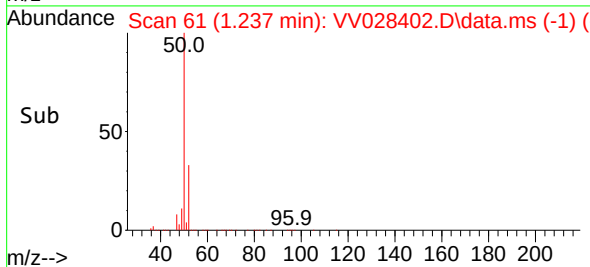
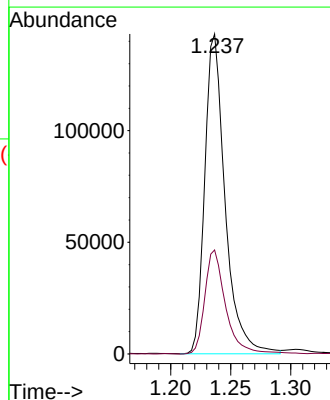
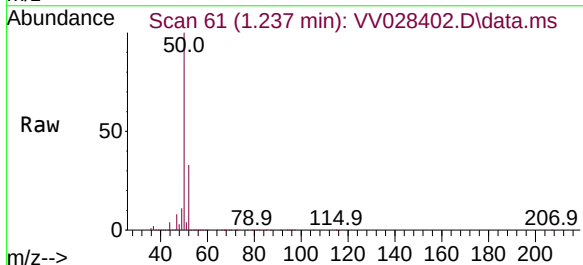
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

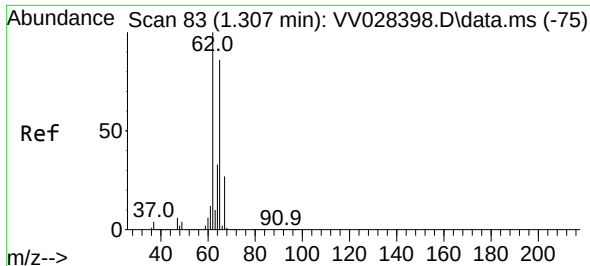
Tgt Ion: 85 Resp: 151692  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.9 38.9



#3  
Chloromethane  
Concen: 44.356 ug/L  
RT: 1.237 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 50 Resp: 168685  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.7 42.3

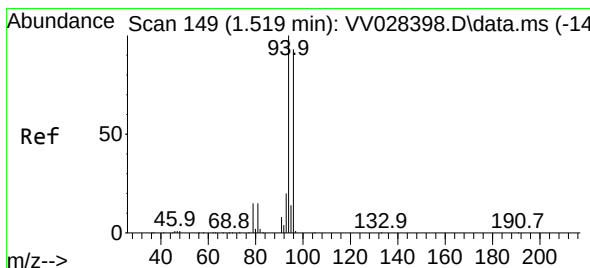
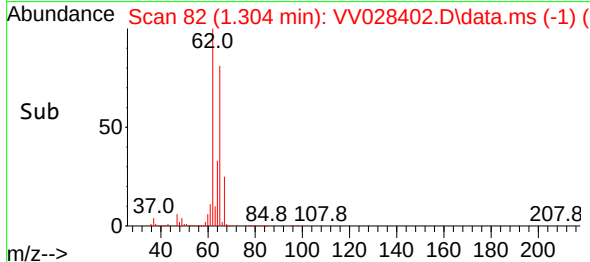
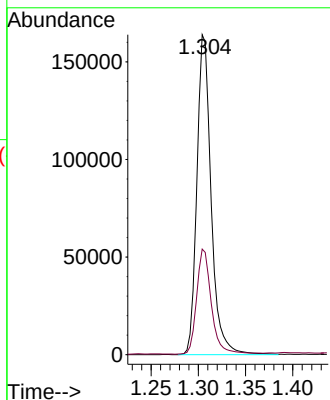
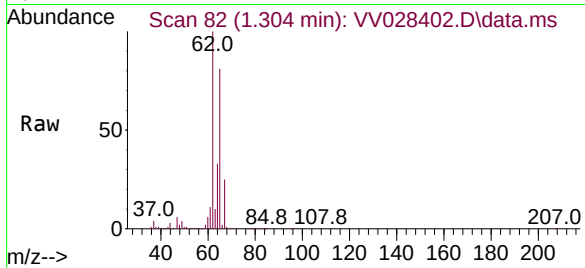




#5  
 Vinyl chloride  
 Concen: 45.060 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

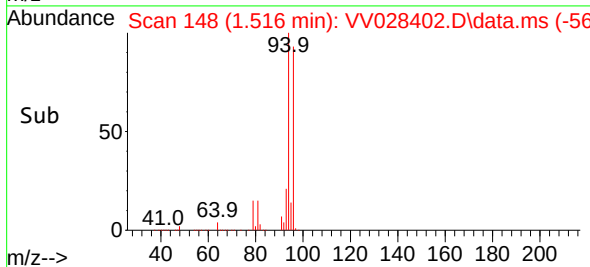
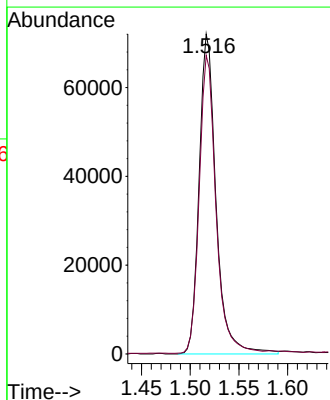
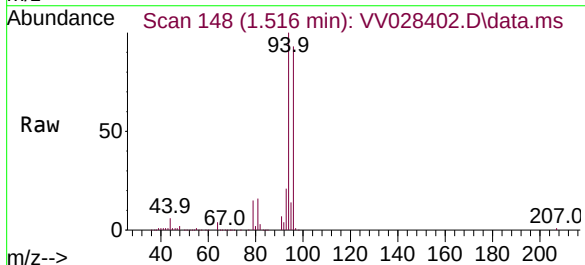
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 VSTD050349

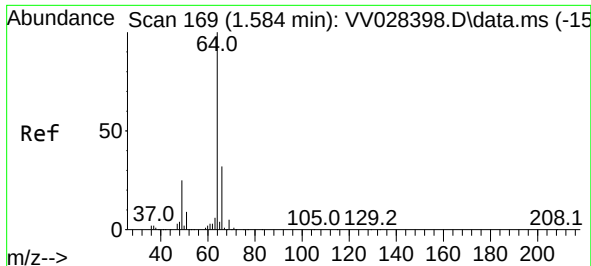
Tgt Ion: 62 Resp: 171972  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.3 43.3



#6  
 Bromomethane  
 Concen: 50.100 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. -0.003 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

Tgt Ion: 94 Resp: 87185  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 65.5 121.6

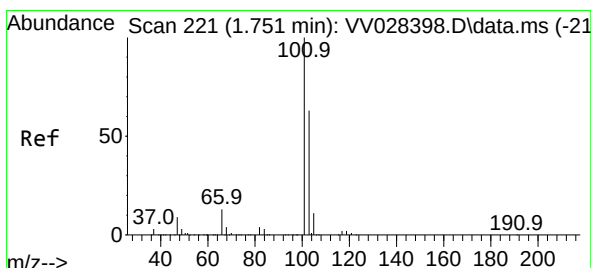
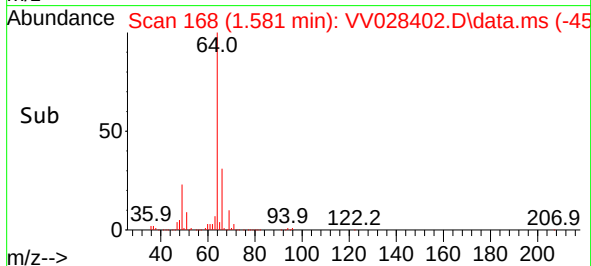
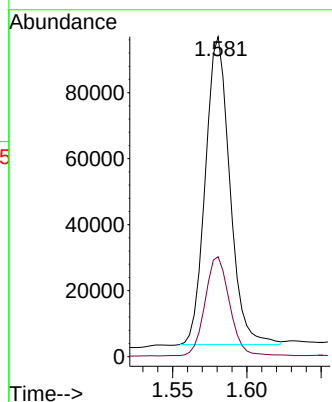
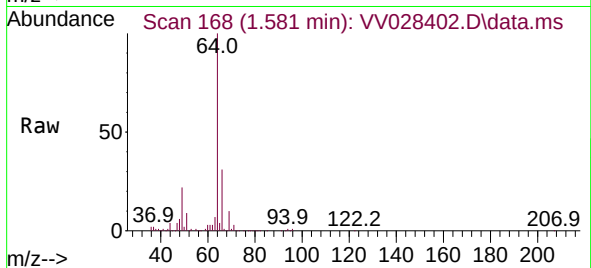




#8  
Chloroethane  
Concen: 45.997 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

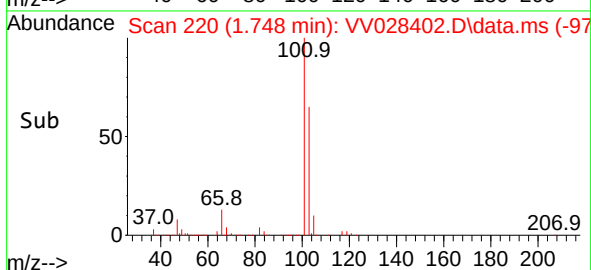
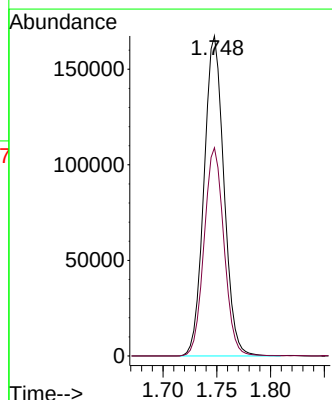
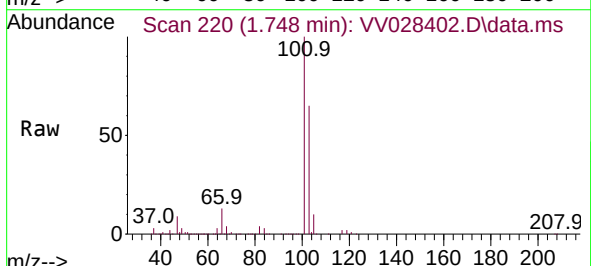
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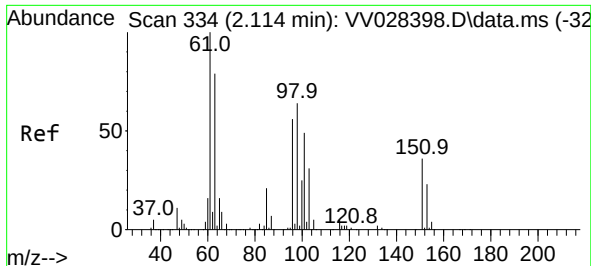
Tgt Ion: 64 Resp: 106564  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.2 41.2



#9  
Trichlorofluoromethane  
Concen: 45.666 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 101 Resp: 215388  
Ion Ratio Lower Upper  
101 100  
103 64.9 50.7 76.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.388 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

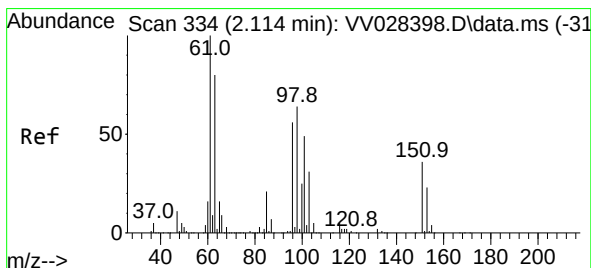
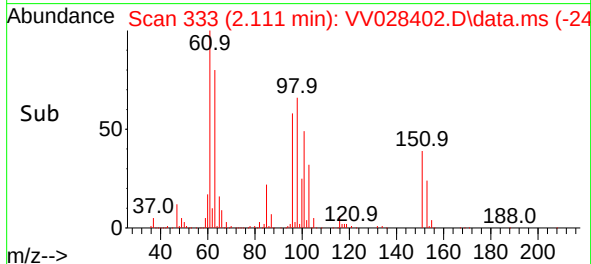
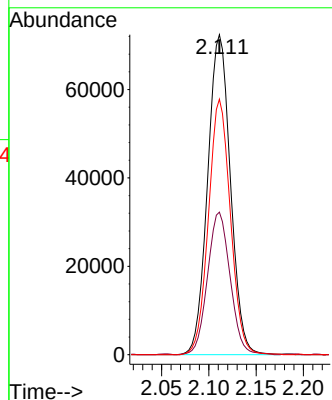
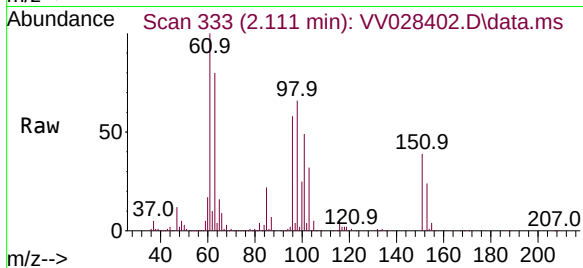
Tgt Ion:101 Resp: 121327

Ion Ratio Lower Upper

101 100

85 44.2 34.9 52.3

151 77.1 59.2 88.8



#12

1,1-Dichloroethene

Concen: 46.051 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

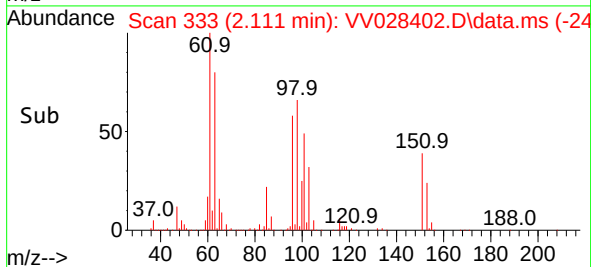
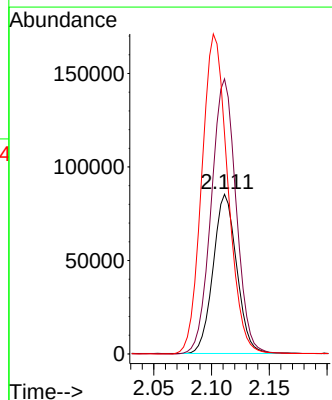
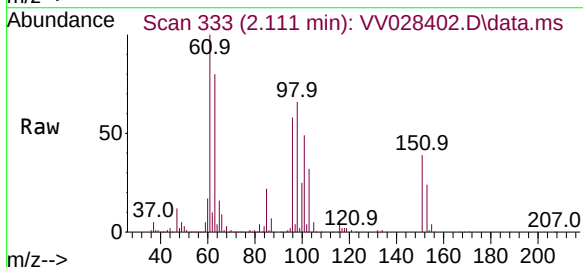
Tgt Ion: 96 Resp: 120850

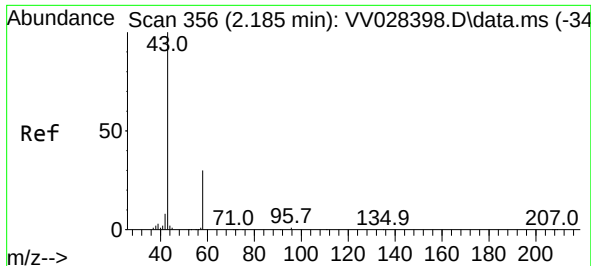
Ion Ratio Lower Upper

96 100

61 172.3 125.6 233.2

63 138.1 100.0 185.6

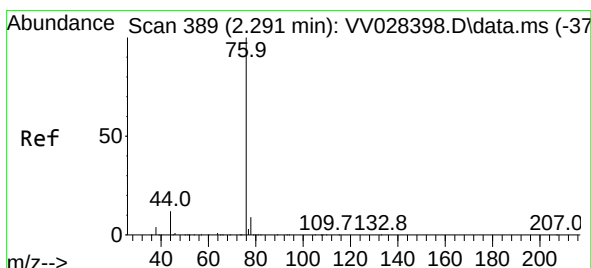
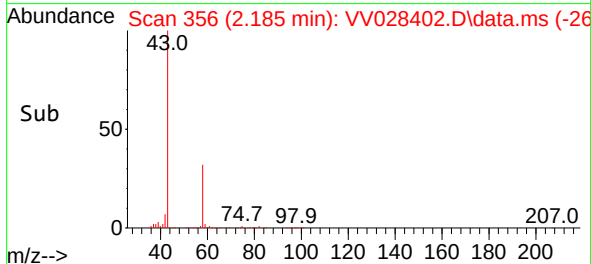
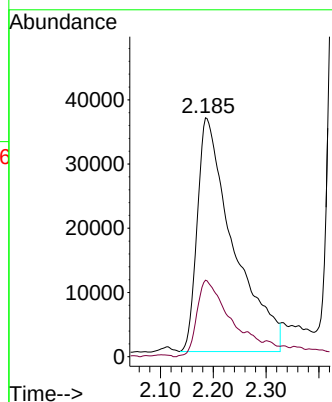
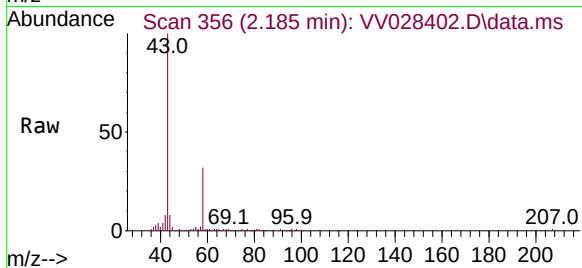




#13  
Acetone  
Concen: 73.538 ug/L  
RT: 2.185 min Scan# 356  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

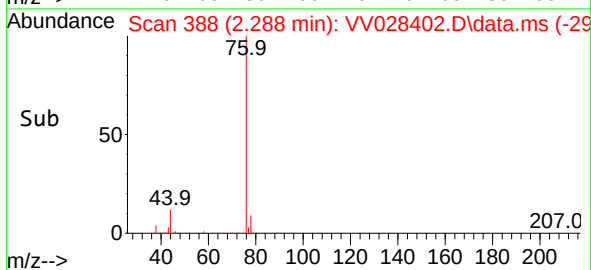
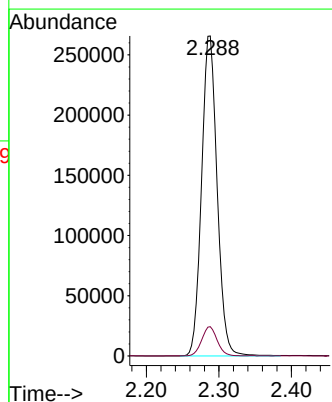
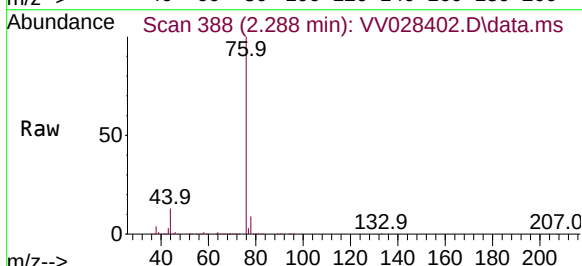
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

Tgt Ion: 43 Resp: 172636  
Ion Ratio Lower Upper  
43 100  
58 27.1 0.0 47.0

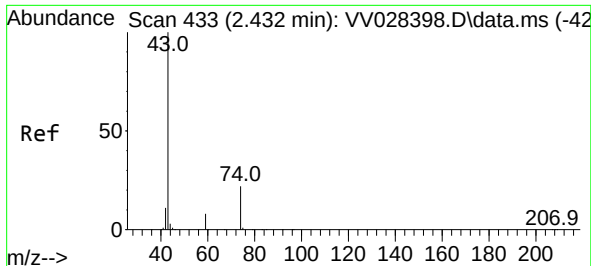


#14  
Carbon disulfide  
Concen: 47.234 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 76 Resp: 396413  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0



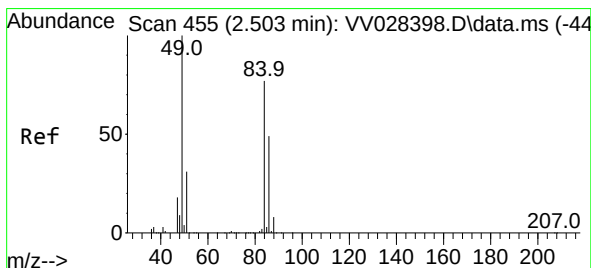
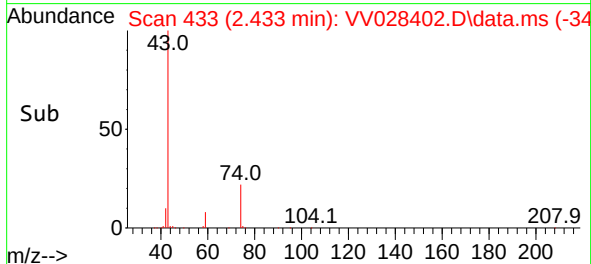
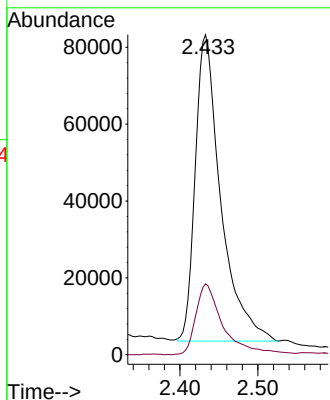
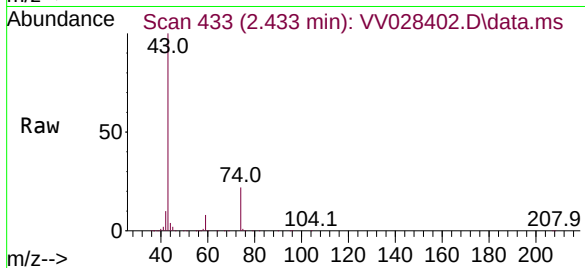




#15  
Methyl Acetate  
Concen: 45.858 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

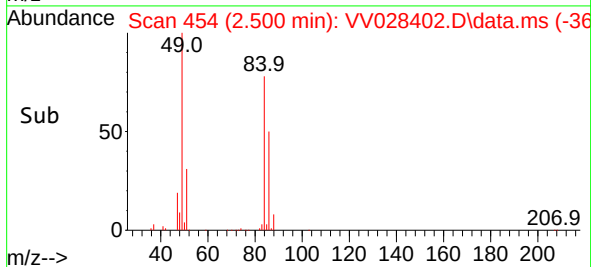
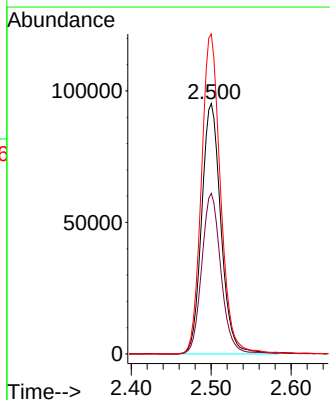
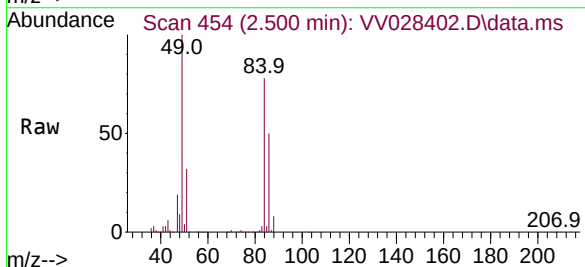
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

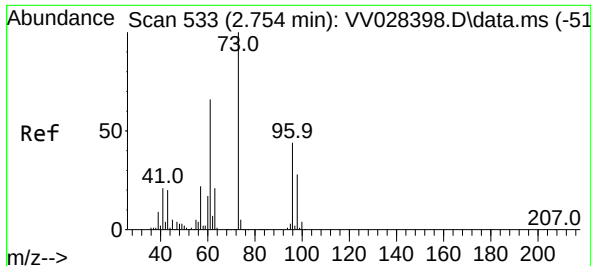
Tgt Ion: 43 Resp: 181768  
Ion Ratio Lower Upper  
43 100  
74 23.9 18.8 28.2



#16  
Methylene chloride  
Concen: 46.949 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 84 Resp: 160109  
Ion Ratio Lower Upper  
84 100  
86 64.1 44.2 82.2  
49 127.7 90.5 168.1

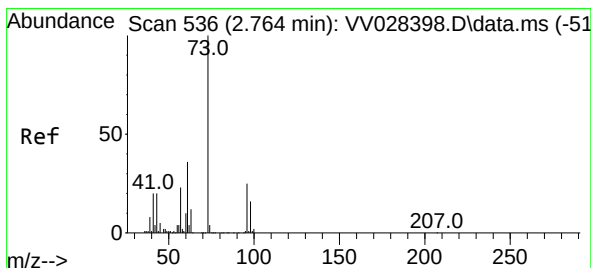
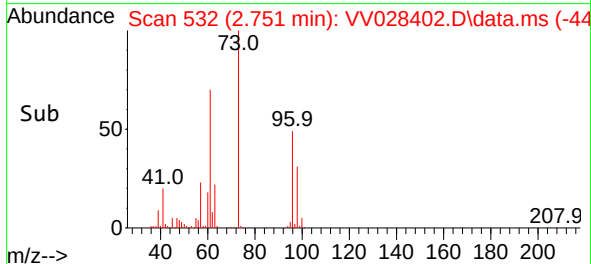
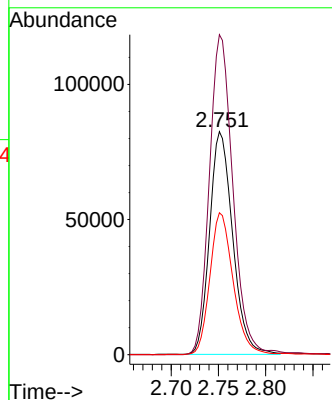
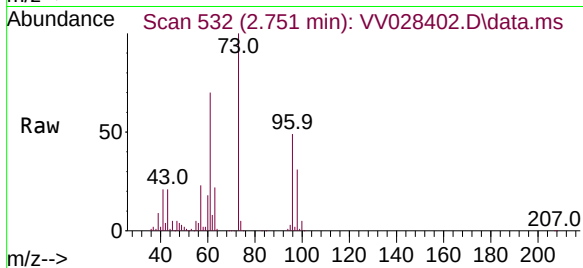




#17  
trans-1,2-Dichloroethene  
Concen: 45.804 ug/L  
RT: 2.751 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

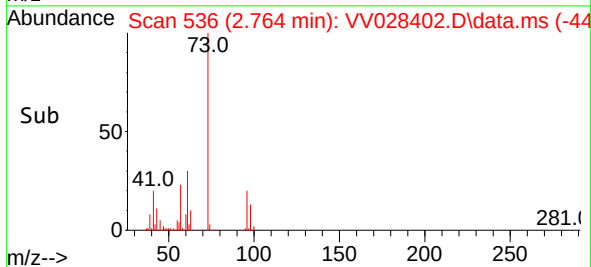
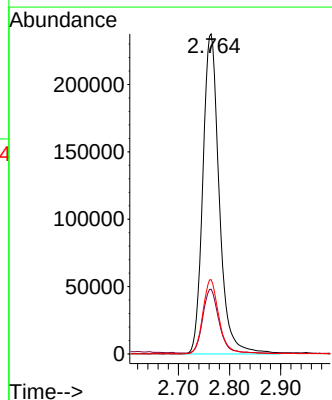
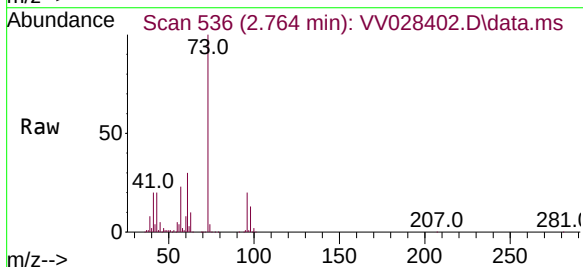
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

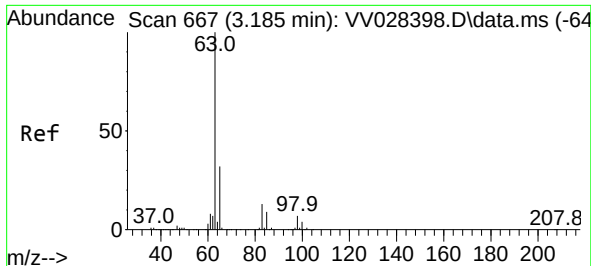
Tgt Ion: 96 Resp: 140202  
Ion Ratio Lower Upper  
96 100  
61 143.5 104.8 194.6  
98 63.7 44.5 82.7



#18  
Methyl tert-butyl Ether  
Concen: 47.177 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 73 Resp: 530861  
Ion Ratio Lower Upper  
73 100  
43 19.5 15.6 23.4  
57 22.9 18.2 27.4





#19

1,1-Dichloroethane

Concen: 46.138 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

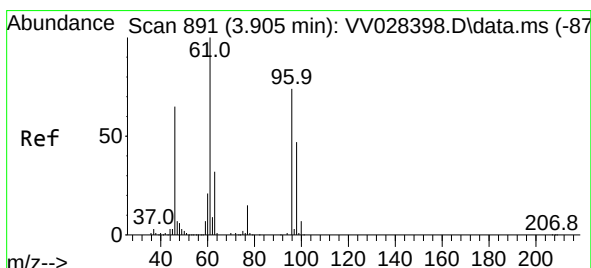
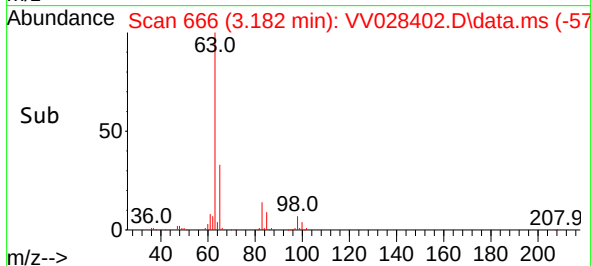
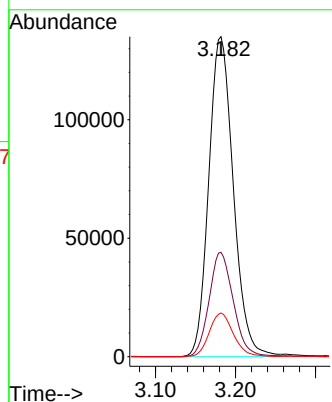
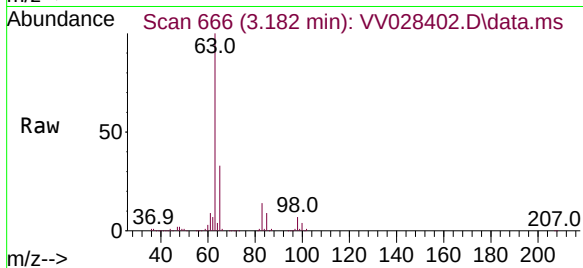
Tgt Ion: 63 Resp: 288495

Ion Ratio Lower Upper

63 100

65 32.6 22.6 42.0

83 13.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 46.308 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

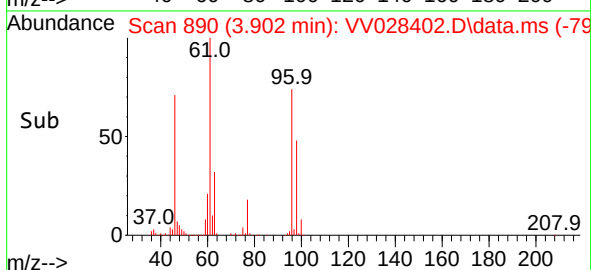
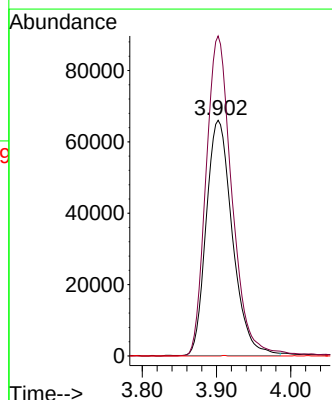
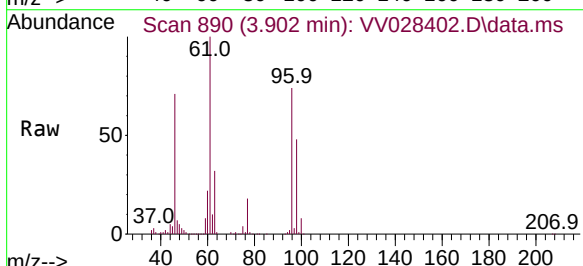
Tgt Ion: 96 Resp: 161478

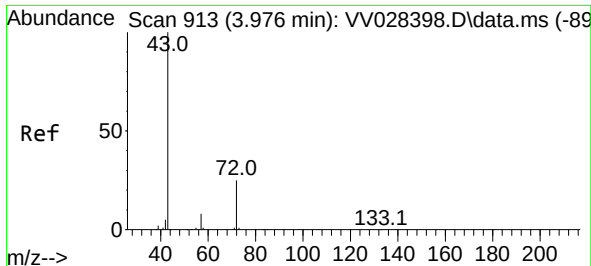
Ion Ratio Lower Upper

96 100

61 135.7 95.0 176.4

68 0.0 0.0 0.0

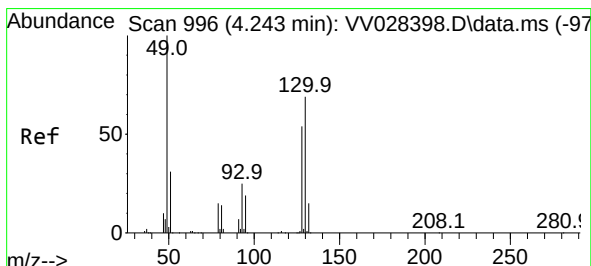
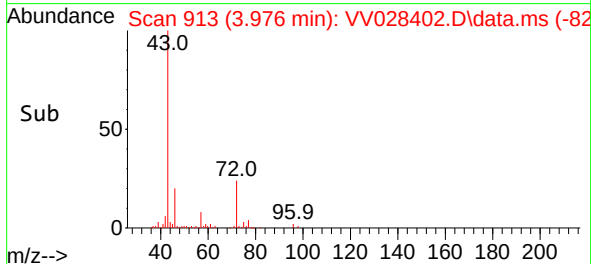
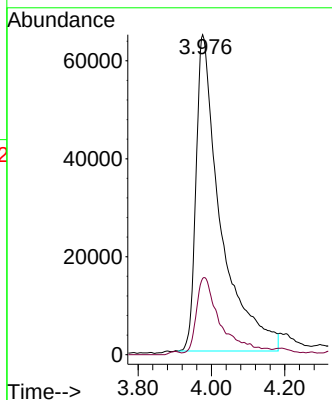
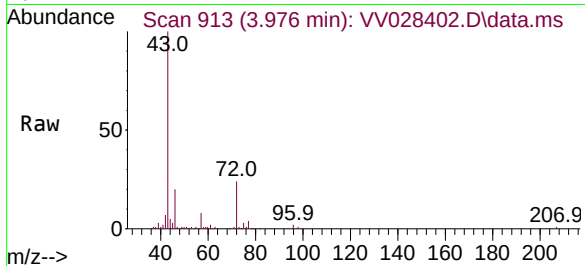




#22  
2-Butanone  
Concen: 96.935 ug/L  
RT: 3.976 min Scan# 913  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

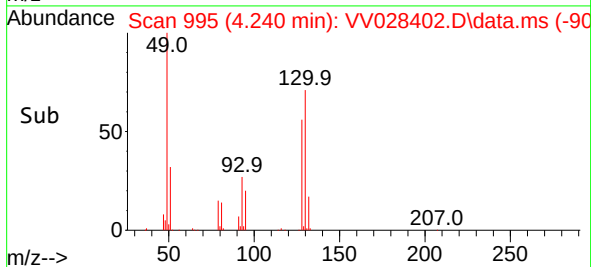
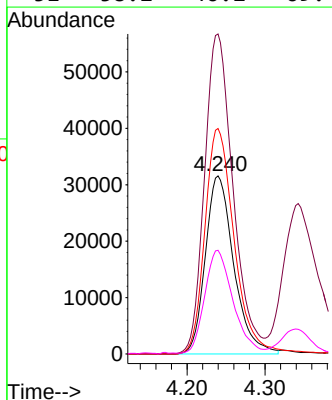
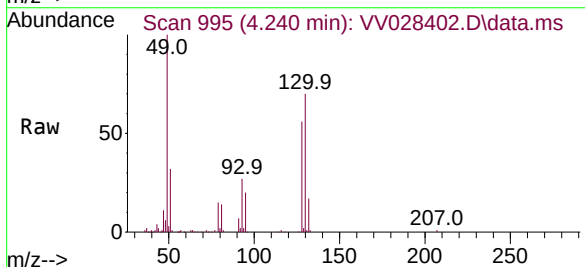
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

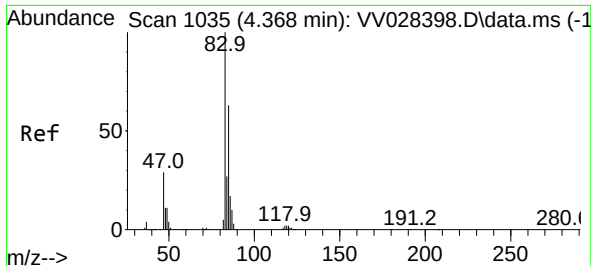
Tgt Ion: 43 Resp: 299995  
Ion Ratio Lower Upper  
43 100  
72 18.7 11.1 33.1



#23  
Bromochloromethane  
Concen: 47.299 ug/L  
RT: 4.240 min Scan# 995  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 128 Resp: 80154  
Ion Ratio Lower Upper  
128 100  
49 179.7 130.6 242.6  
130 126.6 90.0 167.2  
51 58.2 46.2 69.4





#25

Chloroform

Concen: 46.462 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

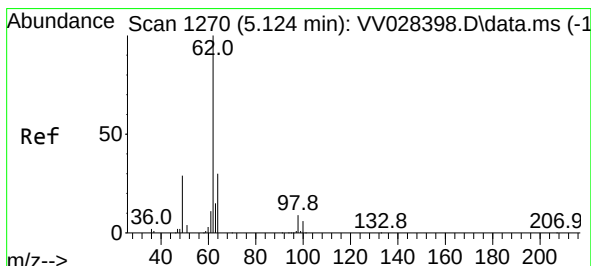
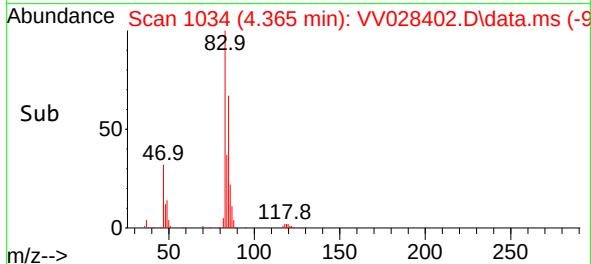
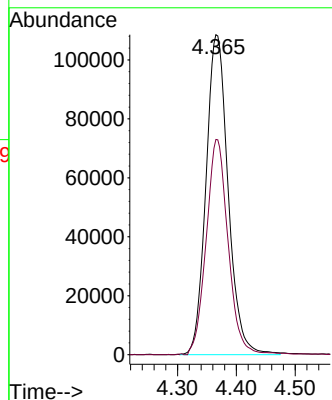
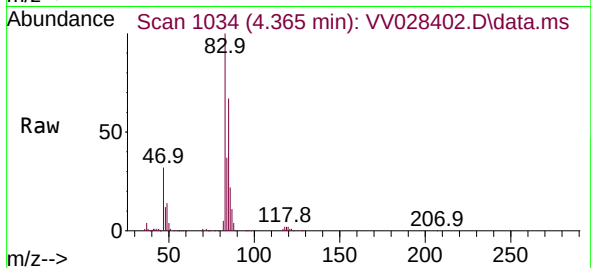
VSTD050349

Tgt Ion: 83 Resp: 283622

Ion Ratio Lower Upper

83 100

85 67.3 44.5 82.7



#27

1,2-Dichloroethane

Concen: 46.697 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VV028402.D

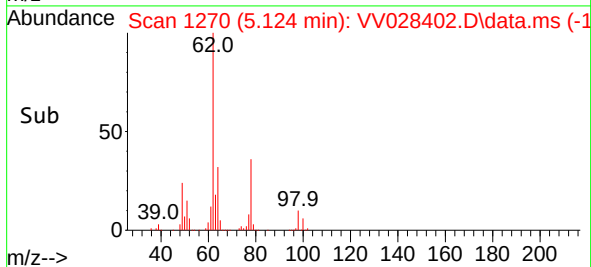
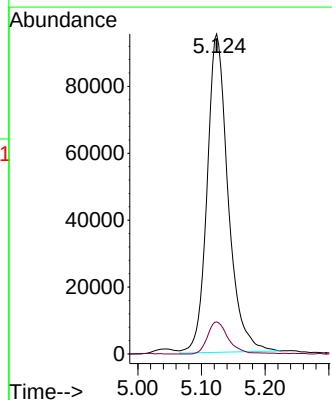
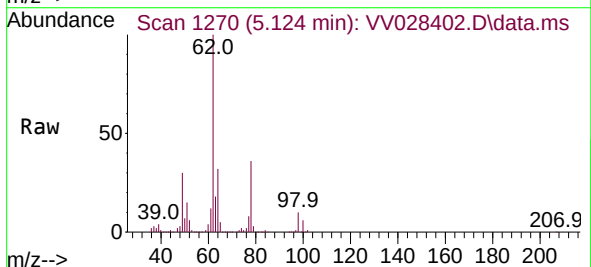
Acq: 07 Oct 2022 12:41

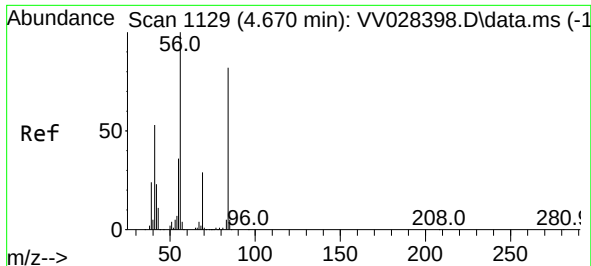
Tgt Ion: 62 Resp: 218406

Ion Ratio Lower Upper

62 100

98 10.0 7.6 11.4





#29

Cyclohexane

Concen: 45.230 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

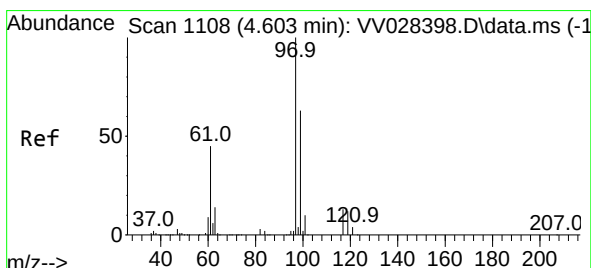
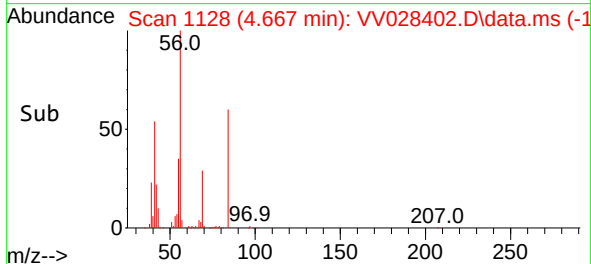
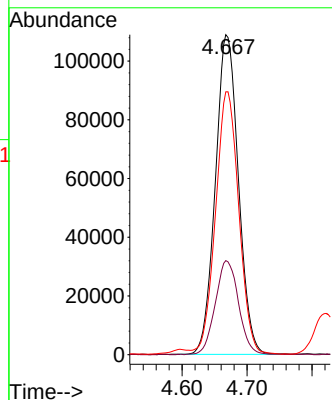
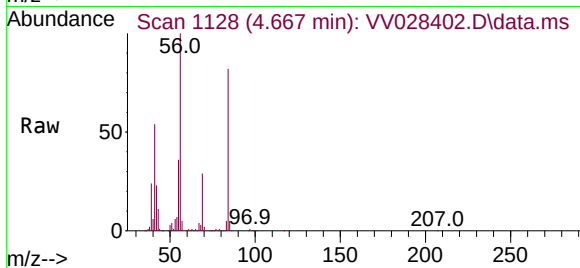
Tgt Ion: 56 Resp: 267663

Ion Ratio Lower Upper

56 100

69 29.8 23.0 34.6

84 82.9 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 46.875 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

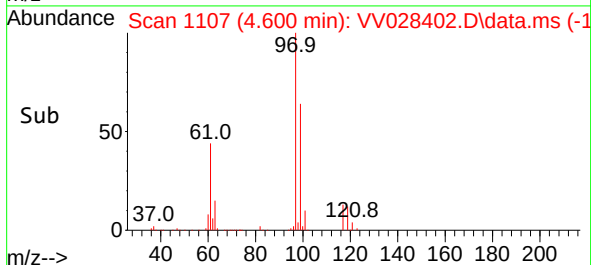
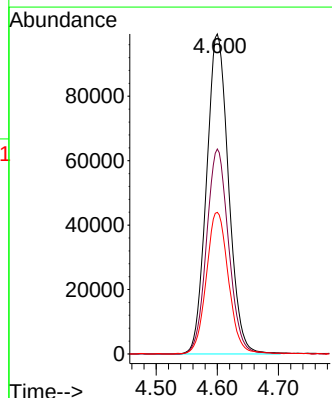
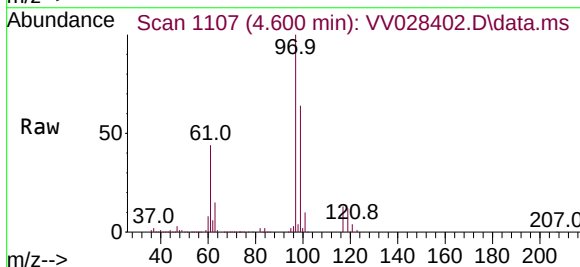
Tgt Ion: 97 Resp: 249140

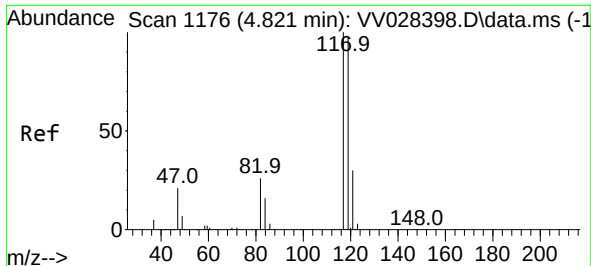
Ion Ratio Lower Upper

97 100

99 64.1 50.2 75.2

61 44.3 35.8 53.6

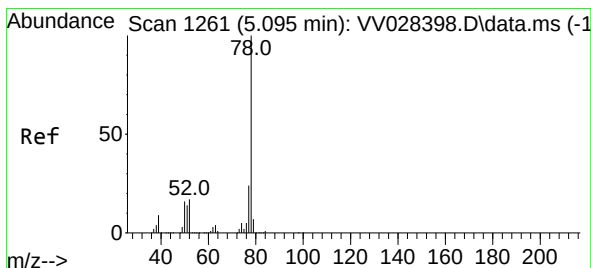
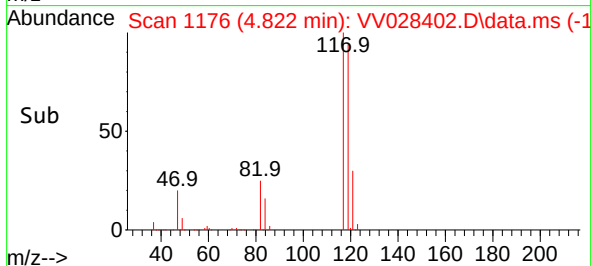
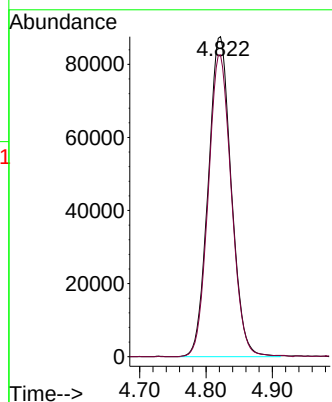
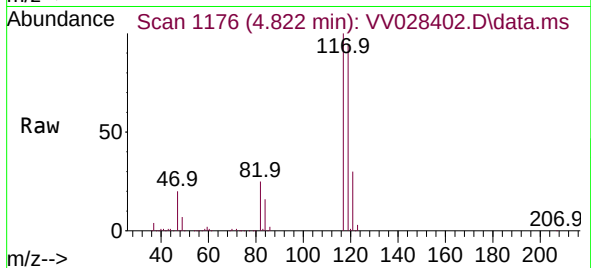




#31  
Carbon tetrachloride  
Concen: 47.467 ug/L  
RT: 4.822 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

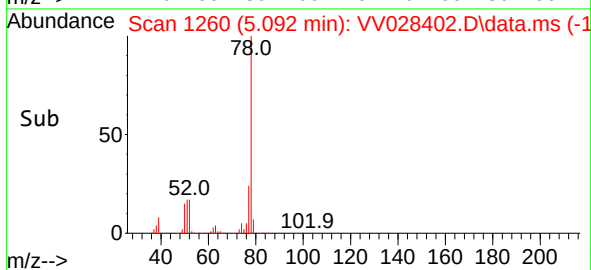
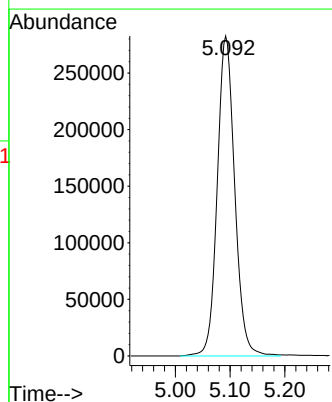
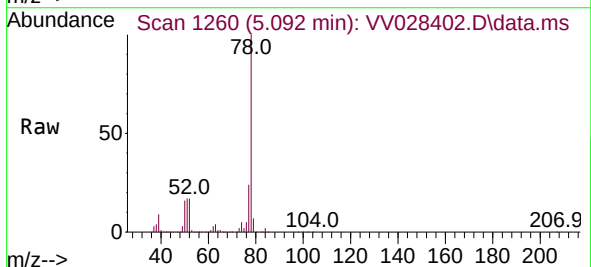
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

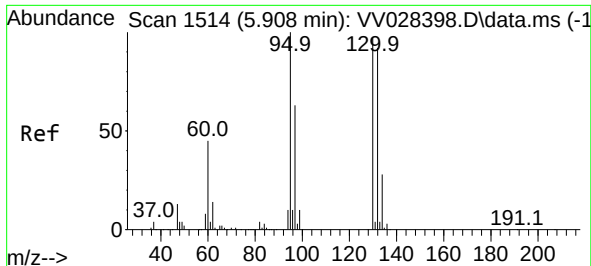
Tgt Ion:117 Resp: 211188  
Ion Ratio Lower Upper  
117 100  
119 94.4 78.0 117.0



#33  
Benzene  
Concen: 46.290 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 78 Resp: 626376



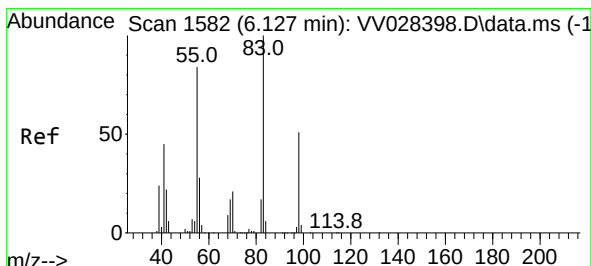
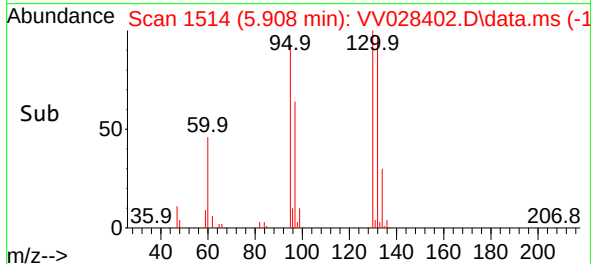
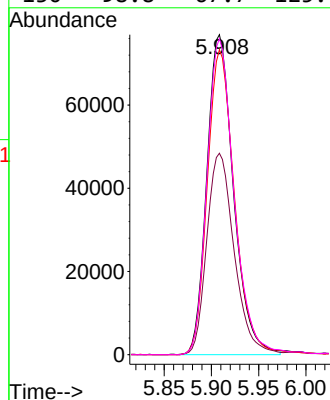
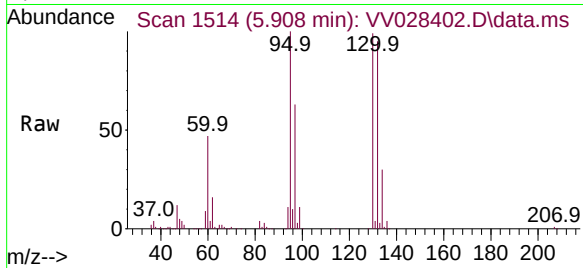


#34  
Trichloroethene  
Concen: 45.091 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

Tgt Ion: 95 Resp: 151361

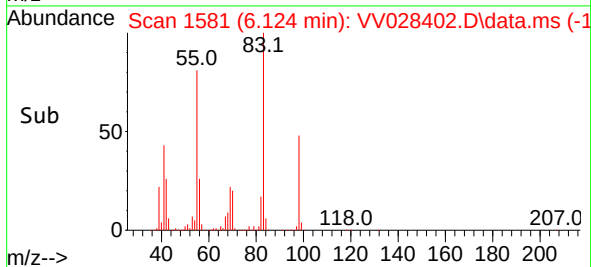
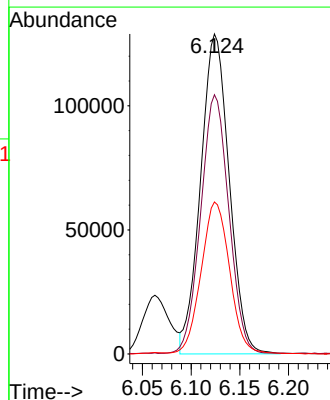
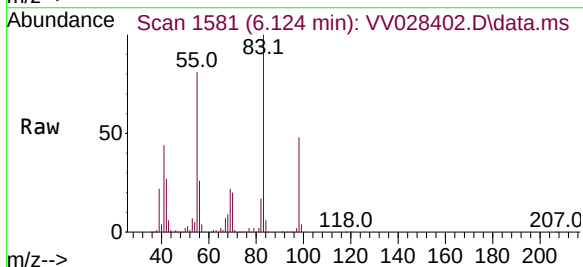
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.9  | 44.4  | 82.4  |
| 132 | 95.3  | 64.3  | 119.5 |
| 130 | 98.8  | 67.7  | 125.7 |



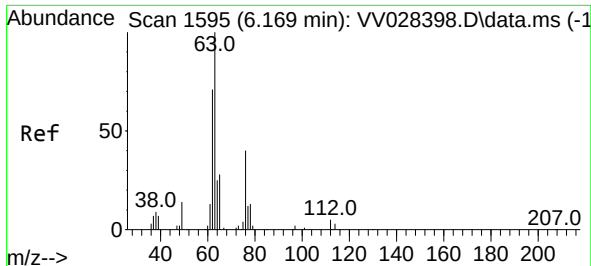
#35  
Methylcyclohexane  
Concen: 45.180 ug/L  
RT: 6.124 min Scan# 1581  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 83 Resp: 263671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.3  | 63.7  | 95.5  |
| 98  | 47.2  | 38.2  | 57.2  |







#37

1,2-Dichloropropane

Concen: 45.352 ug/L

RT: 6.169 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

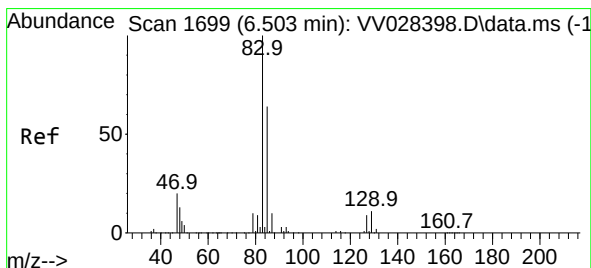
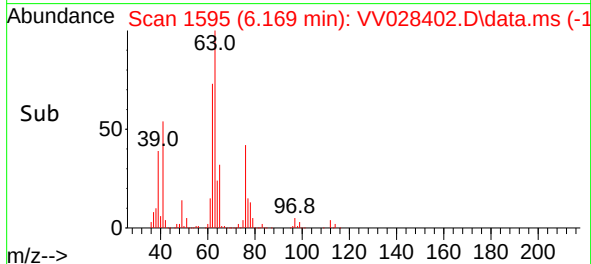
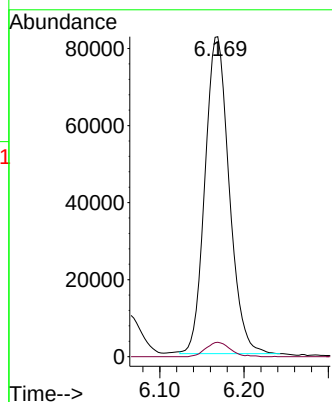
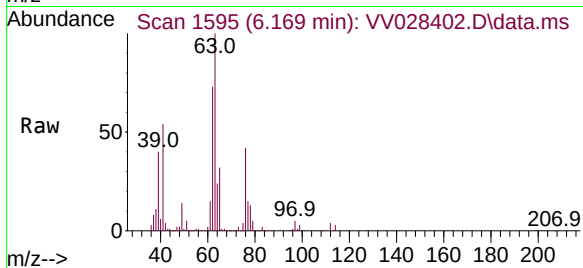
VSTD050349

Tgt Ion: 63 Resp: 164525

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 46.772 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

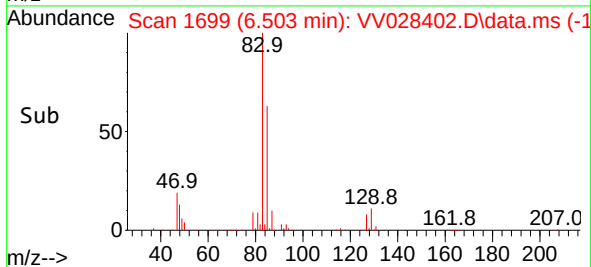
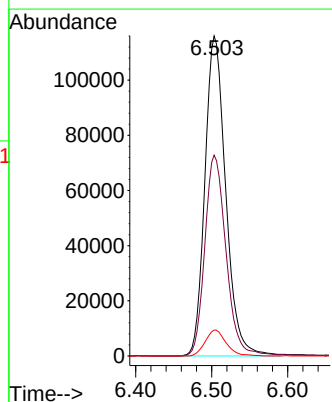
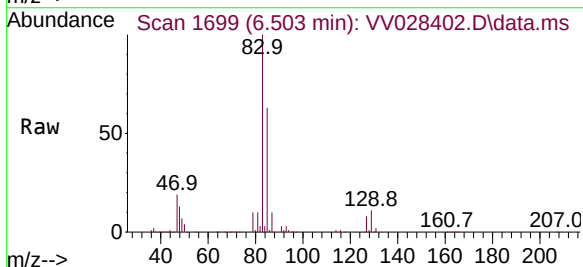
Tgt Ion: 83 Resp: 221058

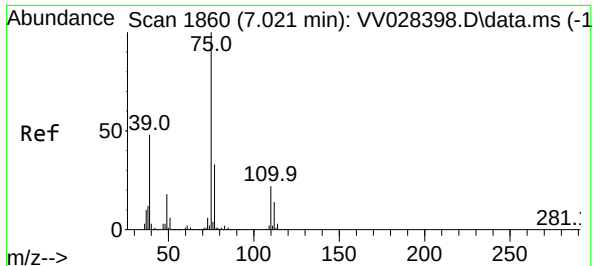
Ion Ratio Lower Upper

83 100

85 62.8 45.1 83.7

127 8.1 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.558 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

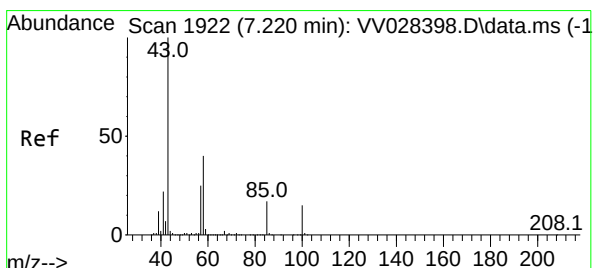
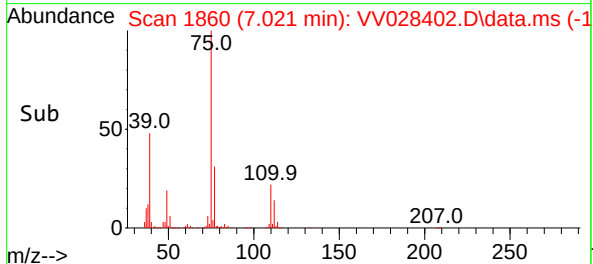
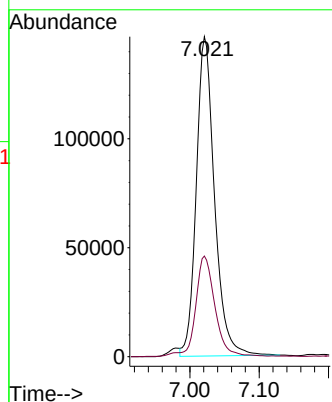
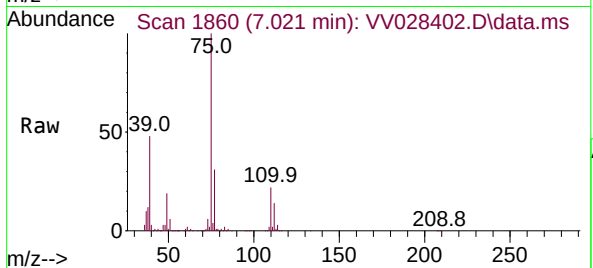
VSTD050349

Tgt Ion: 75 Resp: 268697

Ion Ratio Lower Upper

75 100

77 31.4 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 94.861 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

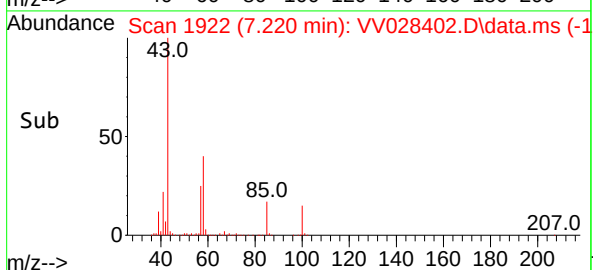
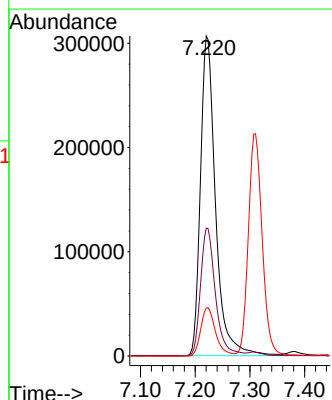
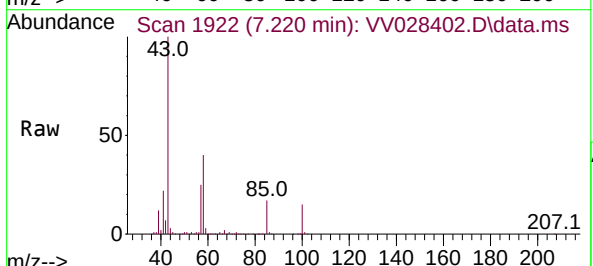
Tgt Ion: 43 Resp: 586925

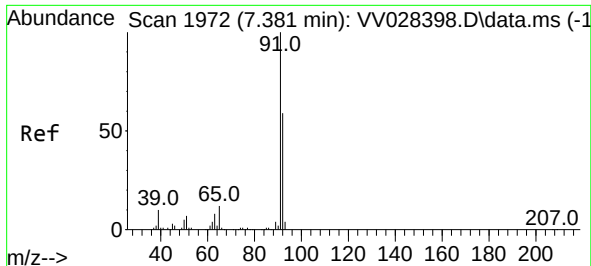
Ion Ratio Lower Upper

43 100

58 39.5 31.3 46.9

100 14.8 11.5 17.3

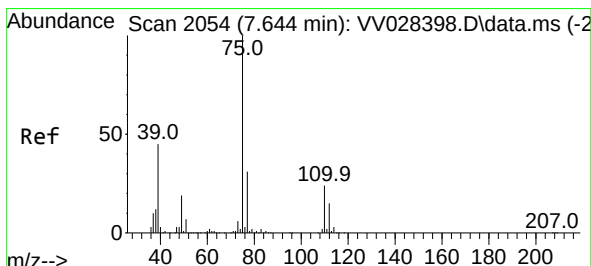
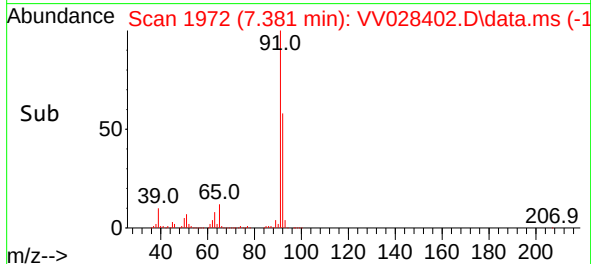
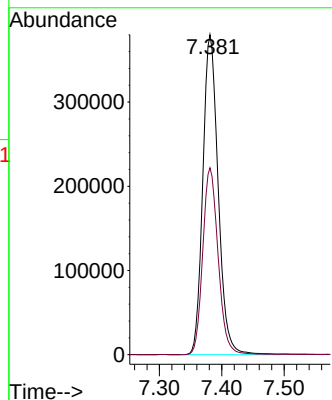
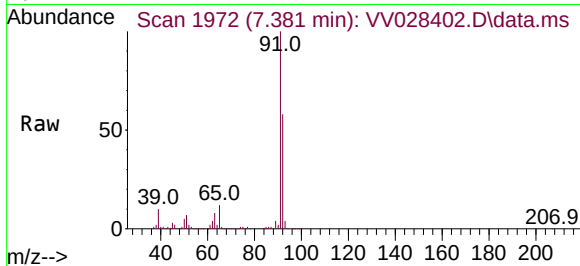




#42  
Toluene  
Concen: 46.638 ug/L  
RT: 7.381 min Scan# 1972  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

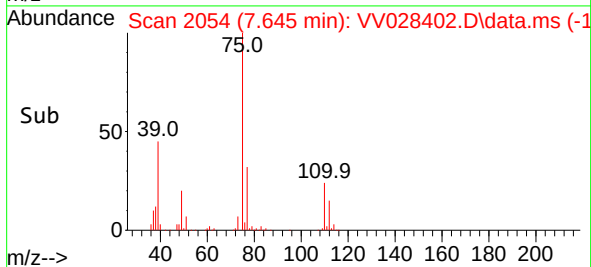
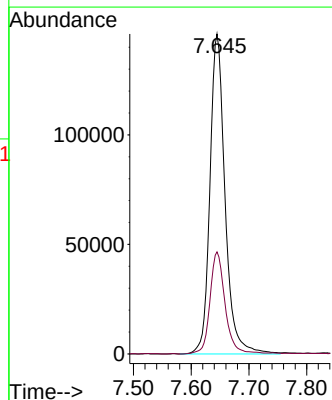
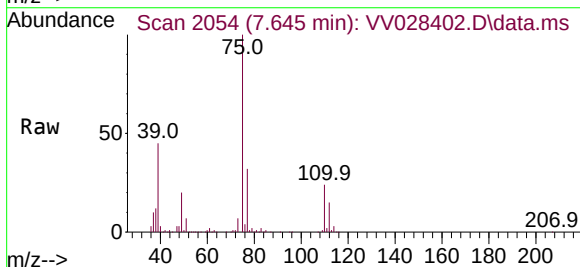
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

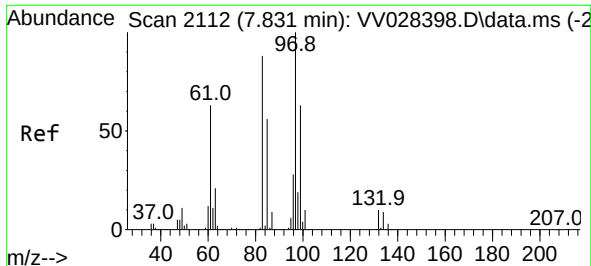
Tgt Ion: 91 Resp: 650497  
Ion Ratio Lower Upper  
91 100  
92 58.4 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 47.937 ug/L  
RT: 7.645 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 75 Resp: 265521  
Ion Ratio Lower Upper  
75 100  
77 31.9 21.8 40.4

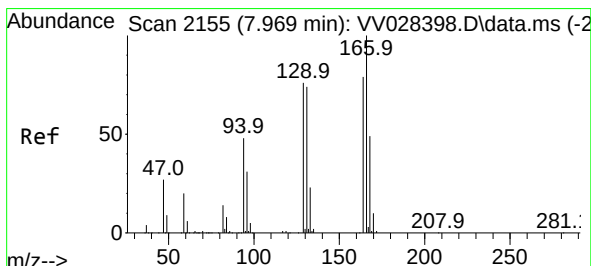
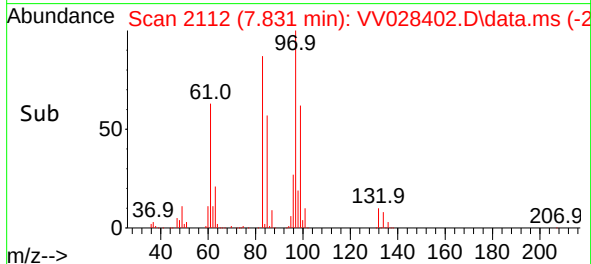
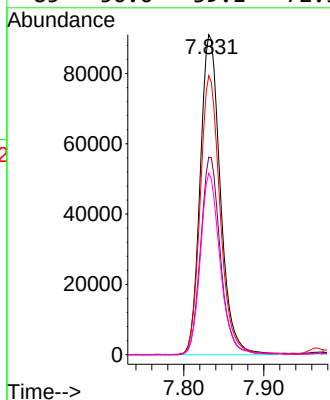
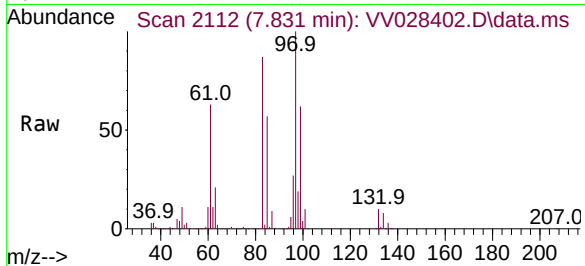




#45  
1,1,2-Trichloroethane  
Concen: 47.498 ug/L  
RT: 7.831 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

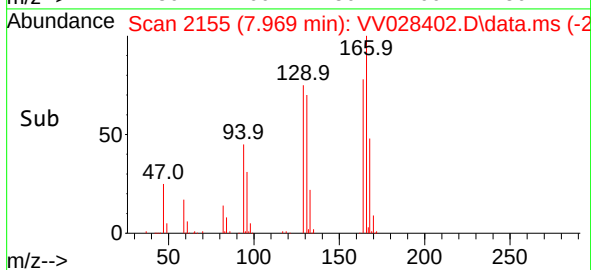
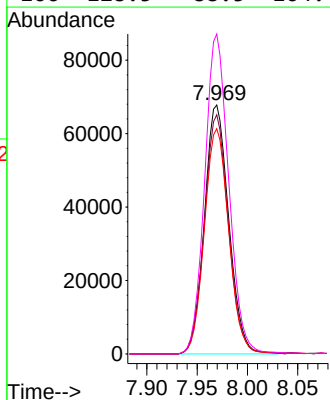
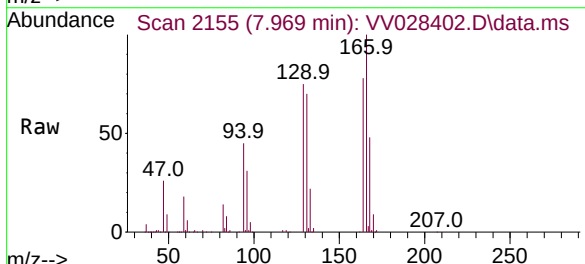
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

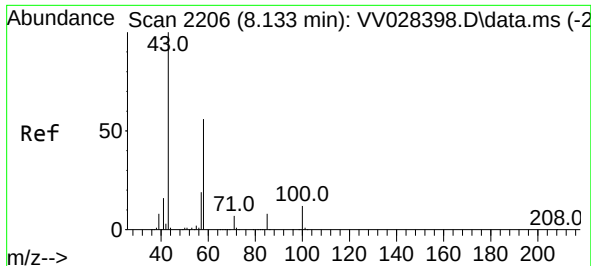
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 159600 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.8  | 43.9  | 81.5   |
| 83       | 87.2  | 61.9  | 114.9  |
| 85       | 56.6  | 39.1  | 72.5   |



#46  
Tetrachloroethene  
Concen: 47.337 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 114178 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 96.1  | 67.4  | 125.2  |
| 131      | 90.4  | 65.2  | 121.2  |
| 166      | 128.5 | 88.5  | 164.4  |

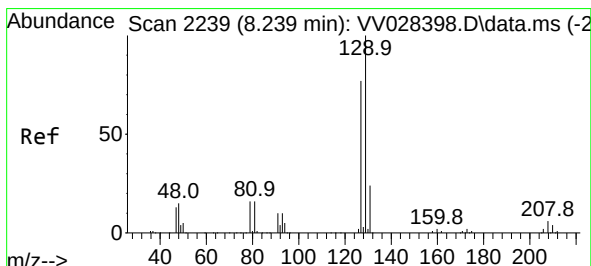
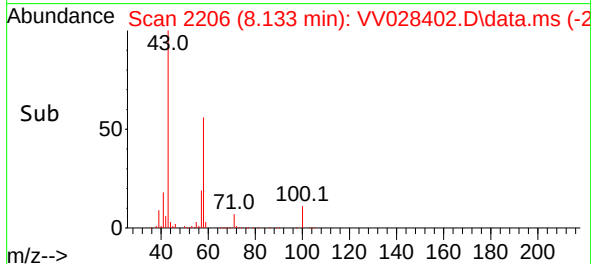
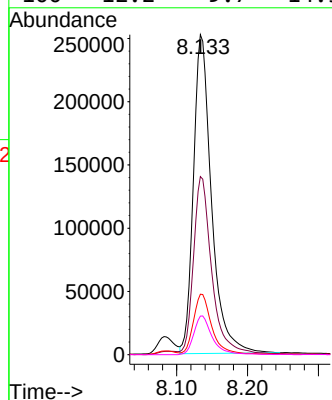
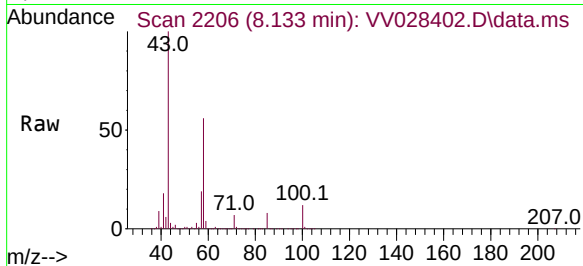




#48  
2-Hexanone  
Concen: 94.270 ug/L  
RT: 8.133 min Scan# 2206  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

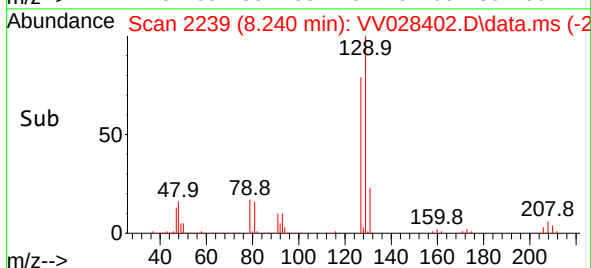
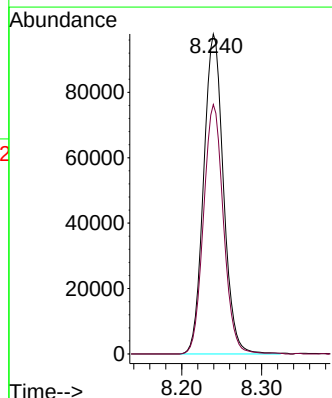
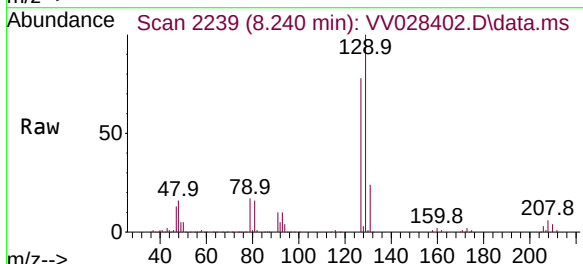
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

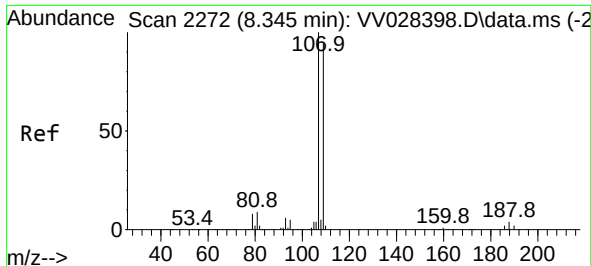
Tgt Ion: 43 Resp: 447769  
Ion Ratio Lower Upper  
43 100  
58 55.7 43.9 65.9  
57 18.1 15.1 22.7  
100 12.2 9.7 14.5



#49  
Dibromochloromethane  
Concen: 46.719 ug/L  
RT: 8.240 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 129 Resp: 168742  
Ion Ratio Lower Upper  
129 100  
127 77.9 53.6 99.6





#50

1,2-Dibromoethane

Concen: 46.527 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

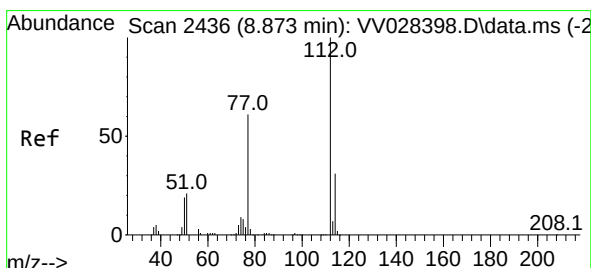
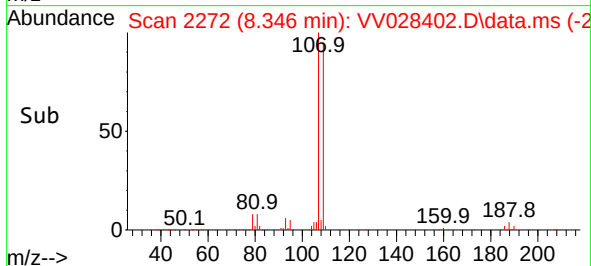
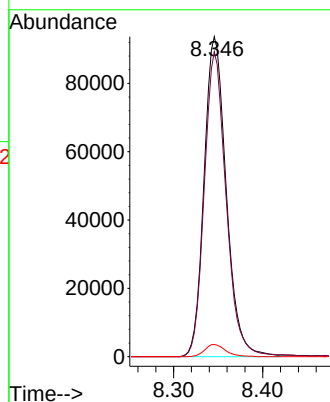
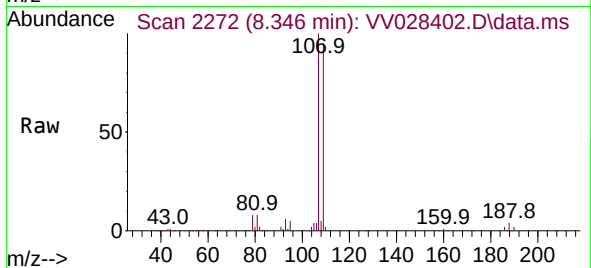
Tgt Ion:107 Resp: 161878

Ion Ratio Lower Upper

107 100

109 95.3 65.9 122.5

188 3.8 3.0 4.4



#51

Chlorobenzene

Concen: 46.280 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

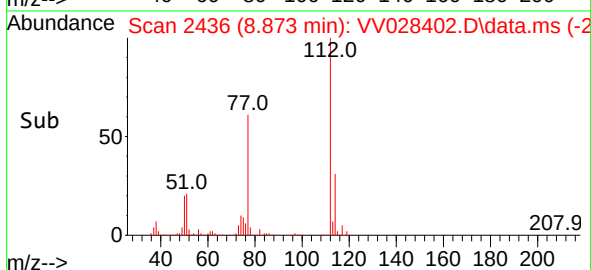
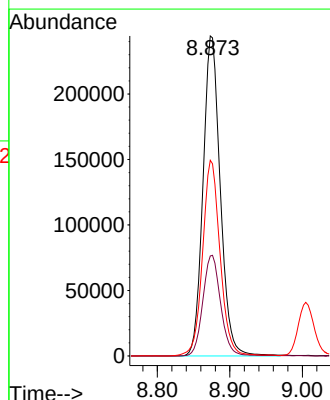
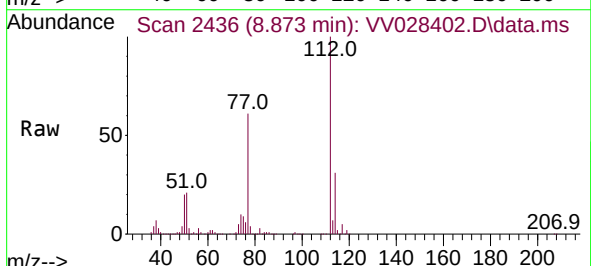
Tgt Ion:112 Resp: 404988

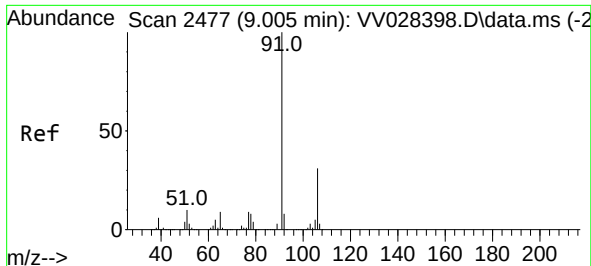
Ion Ratio Lower Upper

112 100

114 31.3 21.7 40.3

77 61.1 48.7 73.1

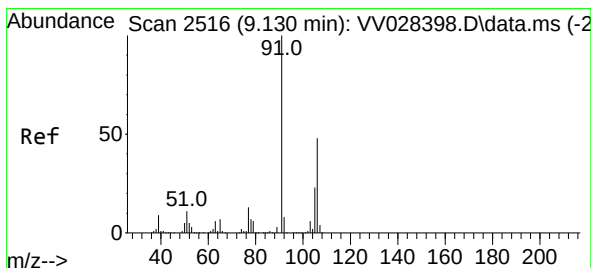
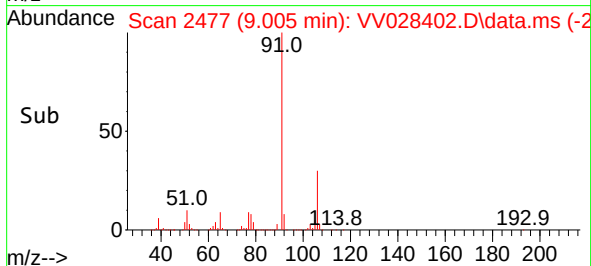
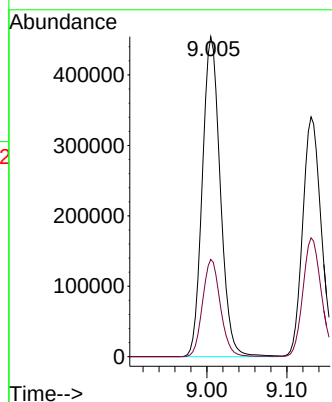
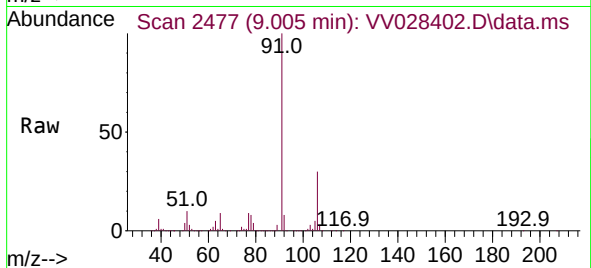




#52  
Ethylbenzene  
Concen: 46.826 ug/L  
RT: 9.005 min Scan# 2477  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

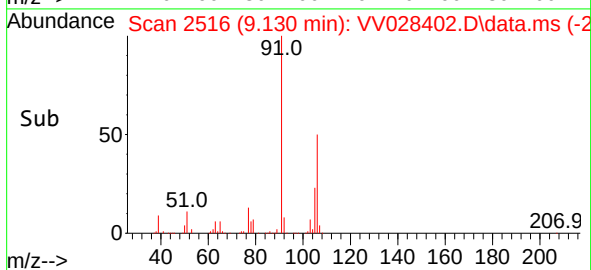
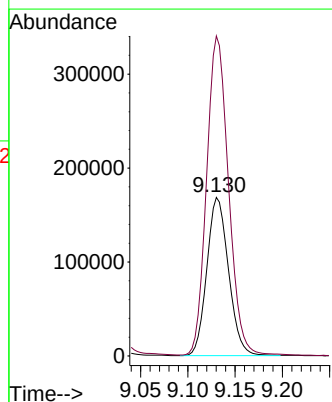
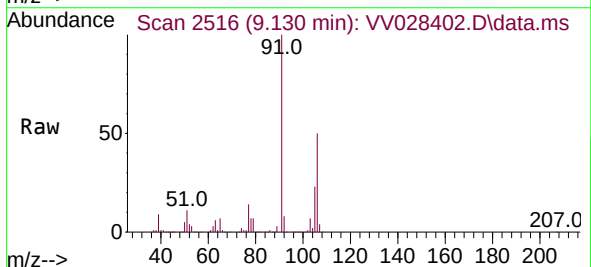
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

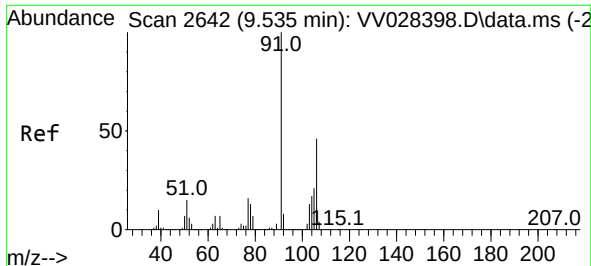
Tgt Ion: 91 Resp: 711843  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.4 39.8



#53  
m,p-Xylene  
Concen: 46.595 ug/L  
RT: 9.130 min Scan# 2516  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 106 Resp: 268484  
Ion Ratio Lower Upper  
106 100  
91 201.7 145.2 269.6

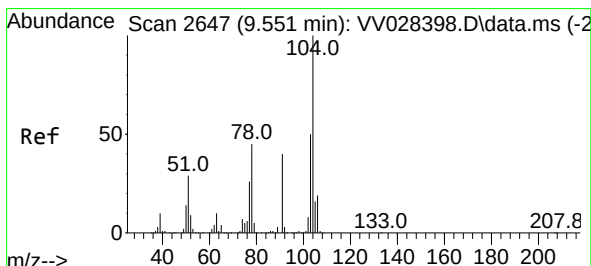
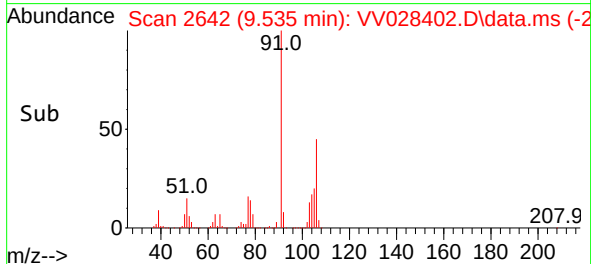
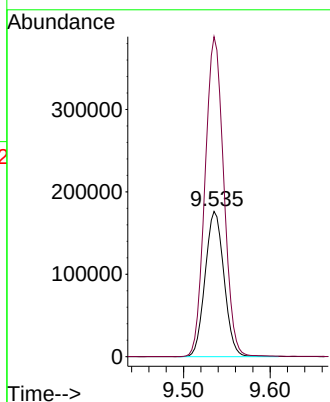
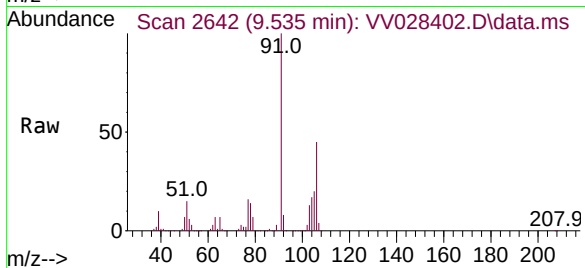




#54  
o-Xylene  
Concen: 46.320 ug/L  
RT: 9.535 min Scan# 2642  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

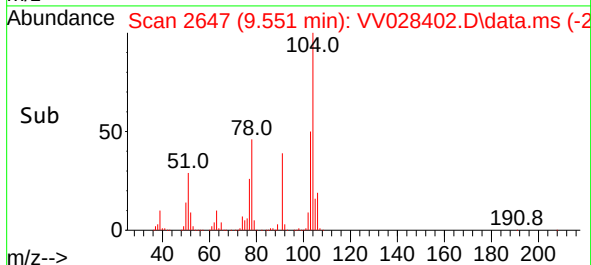
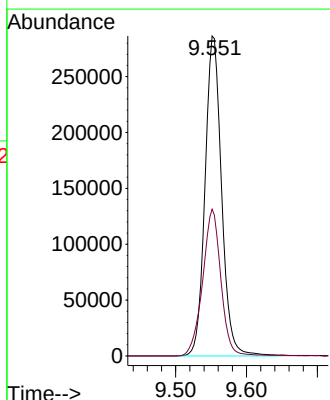
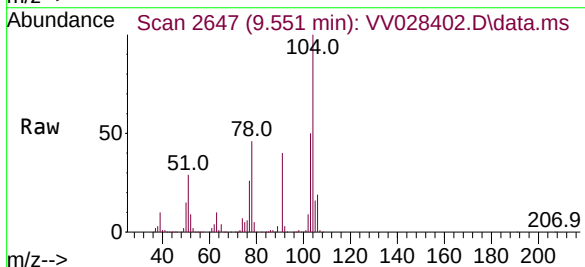
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

Tgt Ion:106 Resp: 267242  
Ion Ratio Lower Upper  
106 100  
91 220.2 152.5 283.3

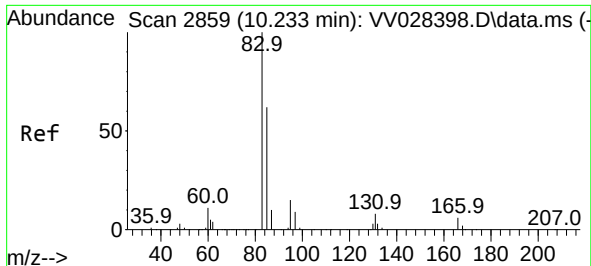


#55  
Styrene  
Concen: 46.940 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion:104 Resp: 465078  
Ion Ratio Lower Upper  
104 100  
78 45.8 31.9 59.2







#57

1,1,2,2-Tetrachloroethane

Concen: 46.124 ug/L

RT: 10.233 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

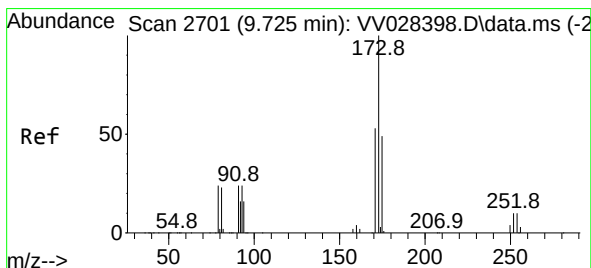
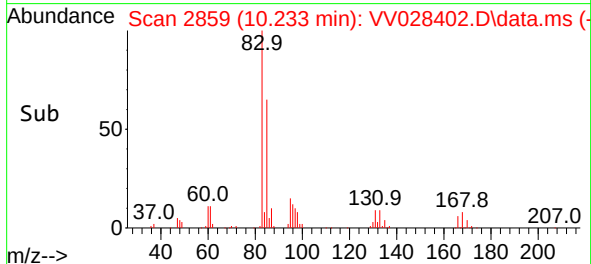
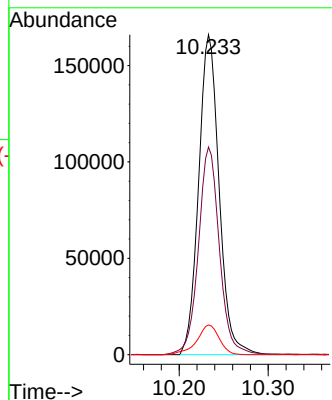
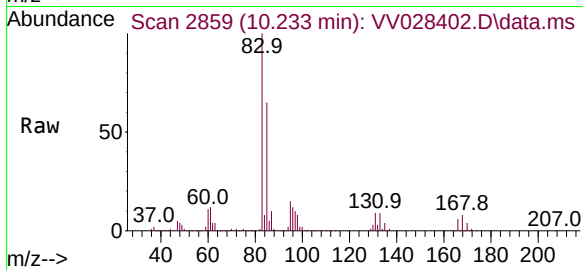
Tgt Ion: 83 Resp: 265419

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2

131 9.3 7.2 10.8



#59

Bromoform

Concen: 47.333 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

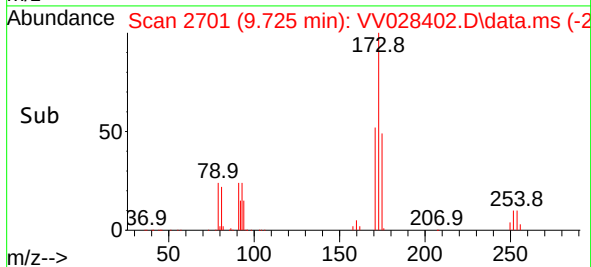
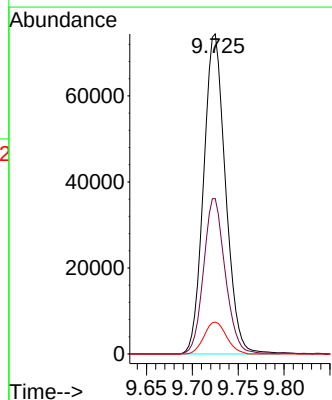
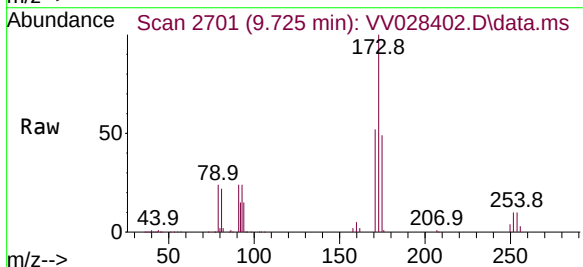
Tgt Ion: 173 Resp: 123487

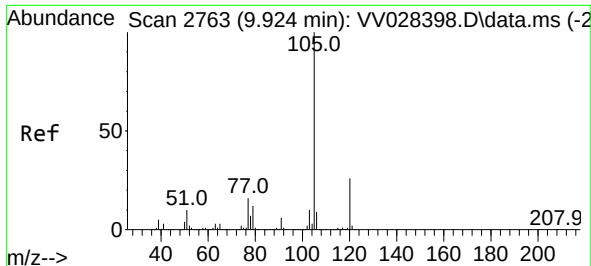
Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

254 10.2 8.4 12.6

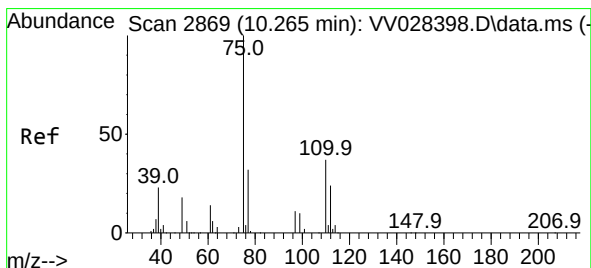
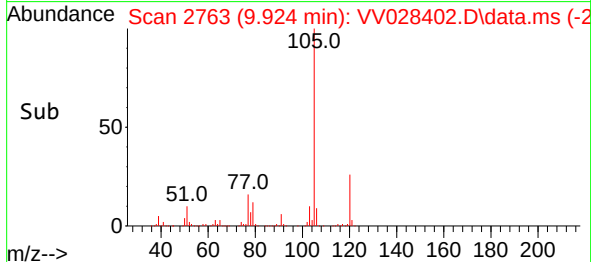
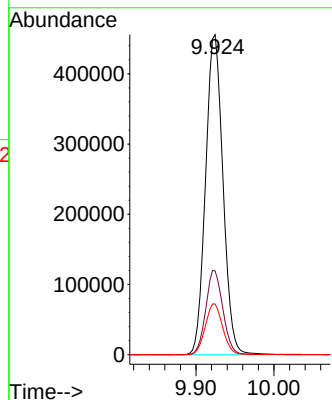
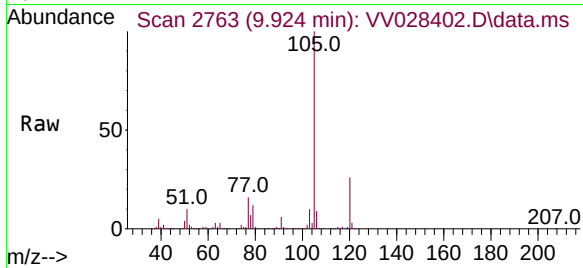




#60  
Isopropylbenzene  
Concen: 46.579 ug/L  
RT: 9.924 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

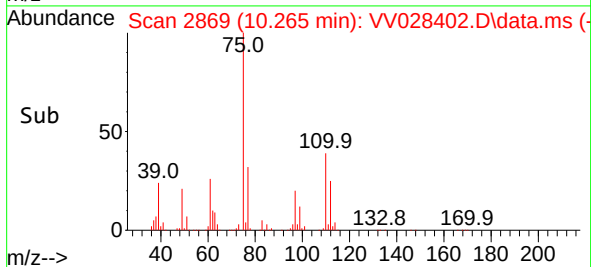
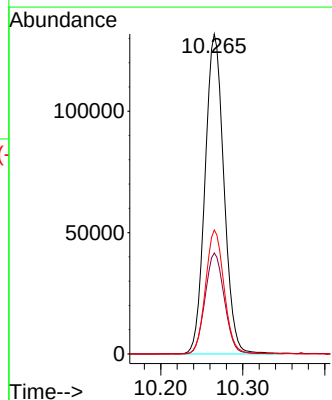
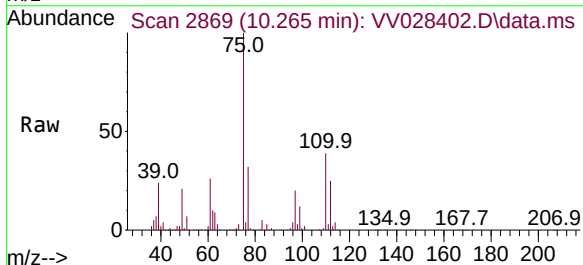
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

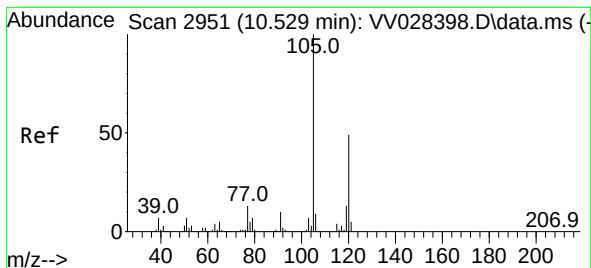
Tgt Ion:105 Resp: 707112  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.5 30.7  
77 15.8 12.7 19.1



#61  
1,2,3-Trichloropropane  
Concen: 46.926 ug/L  
RT: 10.265 min Scan# 2869  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion: 75 Resp: 210463  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.7 38.5  
110 38.1 30.0 45.0

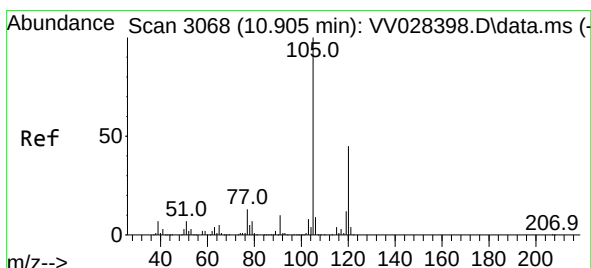
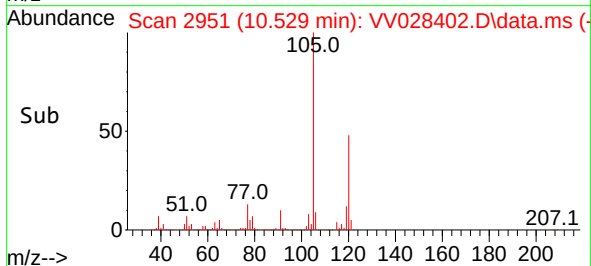
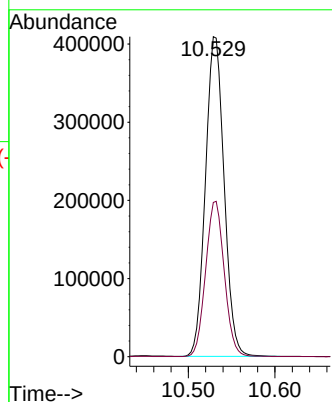
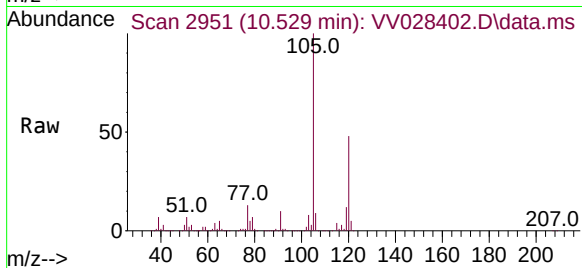




#62  
 1,3,5-Trimethylbenzene  
 Concen: 46.644 ug/L  
 RT: 10.529 min Scan# 2951  
 Delta R.T. 0.000 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

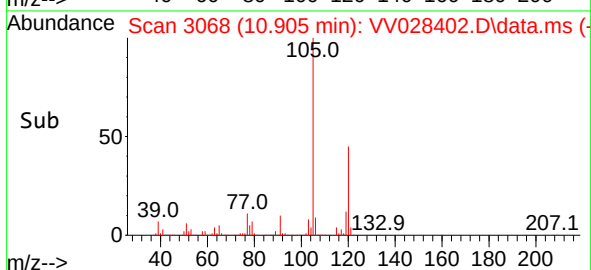
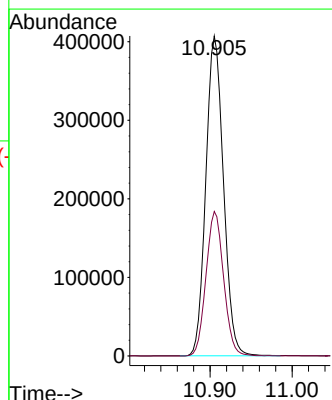
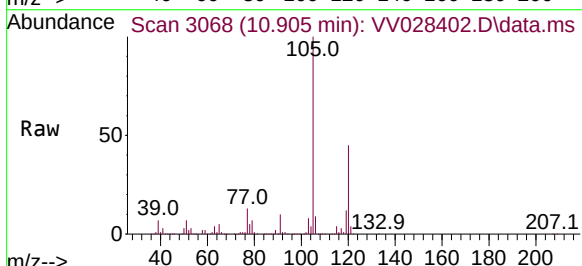
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050349

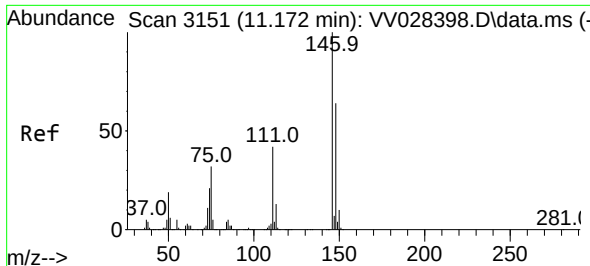
Tgt Ion:105 Resp: 613273  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 39.1 58.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 46.598 ug/L  
 RT: 10.905 min Scan# 3068  
 Delta R.T. 0.000 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

Tgt Ion:105 Resp: 608132  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 35.9 53.9

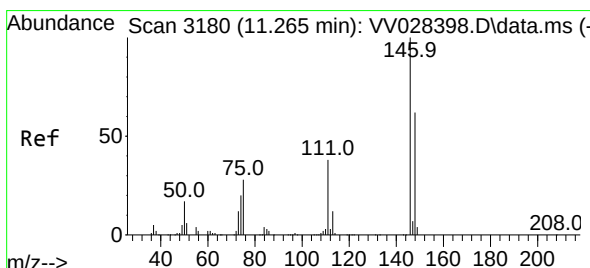
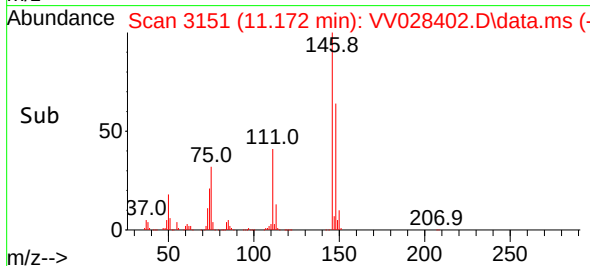
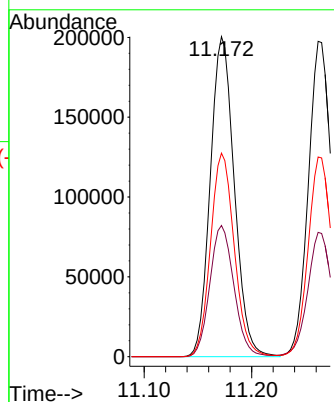
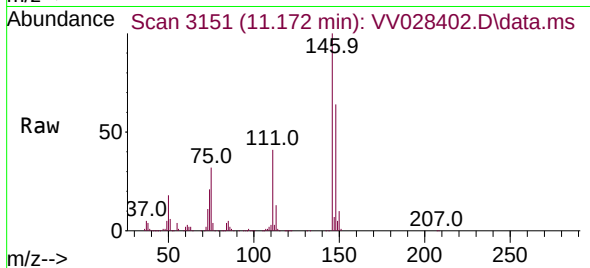




#64  
1,3-Dichlorobenzene  
Concen: 46.889 ug/L  
RT: 11.172 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

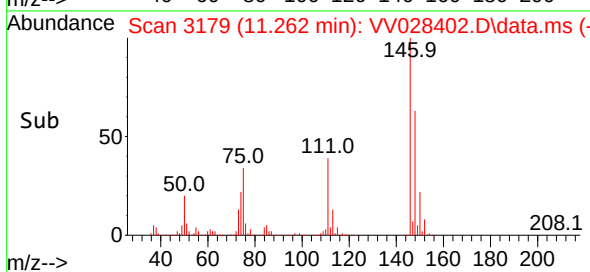
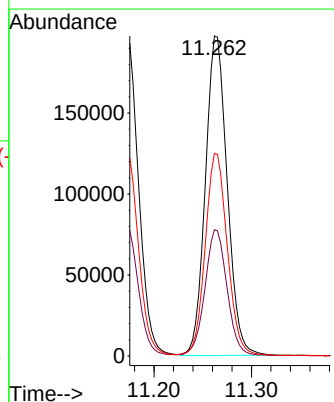
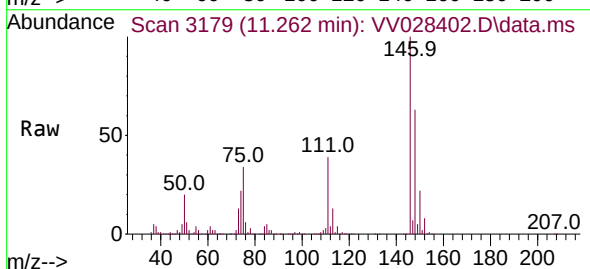
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050349

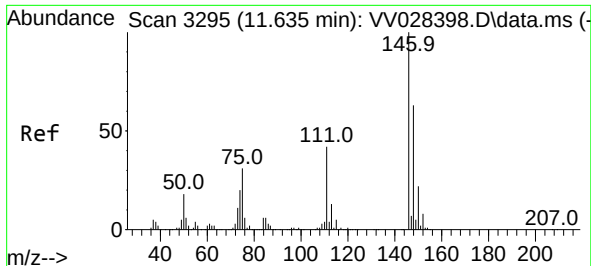
Tgt Ion:146 Resp: 311338  
Ion Ratio Lower Upper  
146 100  
111 41.0 29.0 53.9  
148 63.6 44.6 82.8



#65  
1,4-Dichlorobenzene  
Concen: 46.378 ug/L  
RT: 11.262 min Scan# 3179  
Delta R.T. -0.003 min  
Lab File: VV028402.D  
Acq: 07 Oct 2022 12:41

Tgt Ion:146 Resp: 307271  
Ion Ratio Lower Upper  
146 100  
111 39.4 26.6 49.4  
148 63.3 43.4 80.6

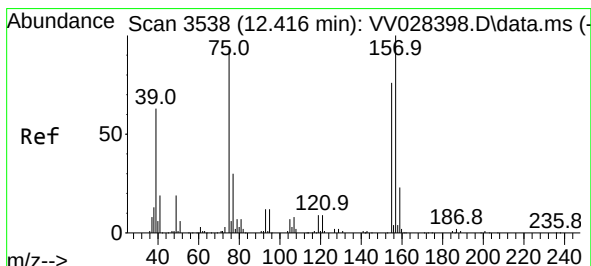
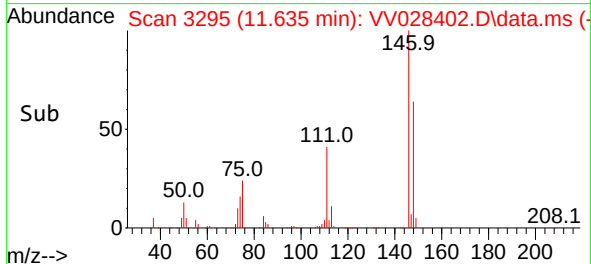
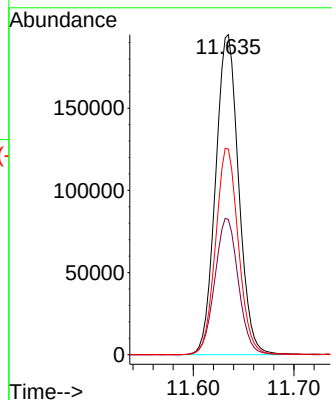
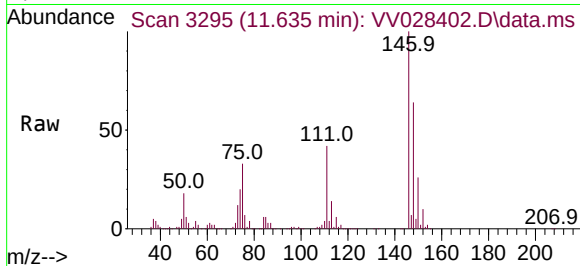




#67  
 1,2-Dichlorobenzene  
 Concen: 46.372 ug/L  
 RT: 11.635 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

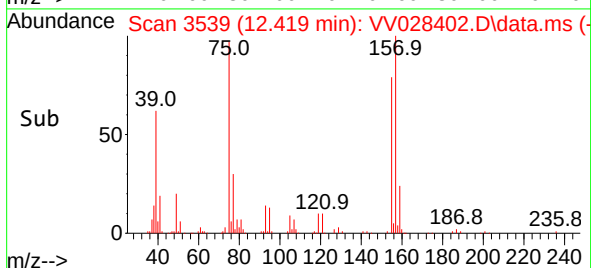
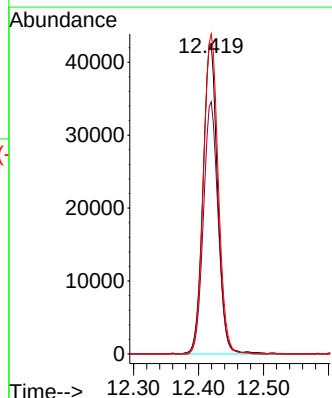
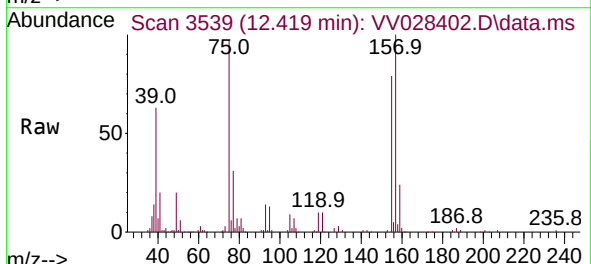
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050349

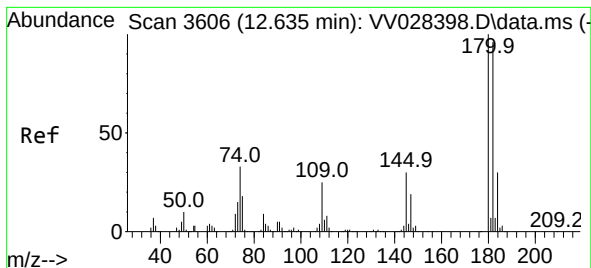
Tgt Ion:146 Resp: 310759  
 Ion Ratio Lower Upper  
 146 100  
 111 42.2 33.9 50.9  
 148 64.3 50.6 75.8



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 48.716 ug/L  
 RT: 12.419 min Scan# 3539  
 Delta R.T. 0.003 min  
 Lab File: VV028402.D  
 Acq: 07 Oct 2022 12:41

Tgt Ion: 75 Resp: 66863  
 Ion Ratio Lower Upper  
 75 100  
 155 81.2 65.0 97.6  
 157 103.1 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 47.208 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

Tgt Ion:180 Resp: 238072

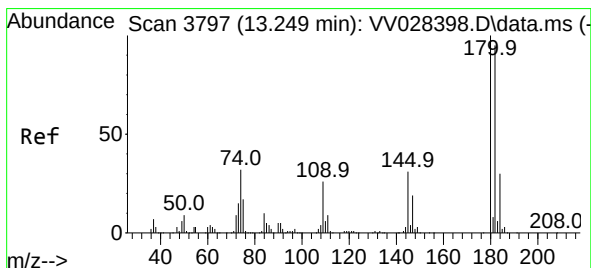
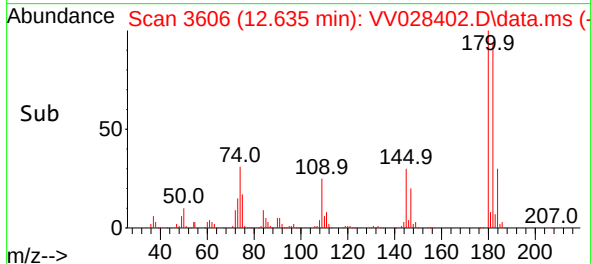
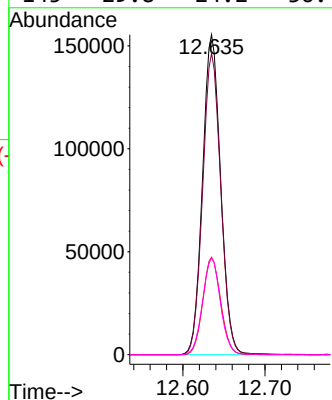
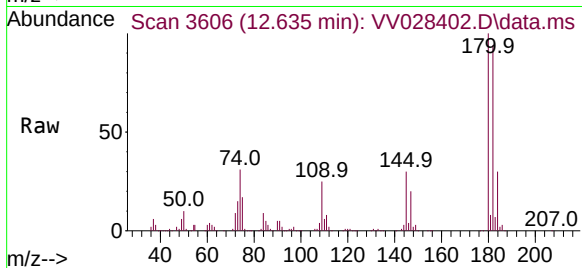
Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

184 30.1 24.0 36.0

145 29.8 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 48.561 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

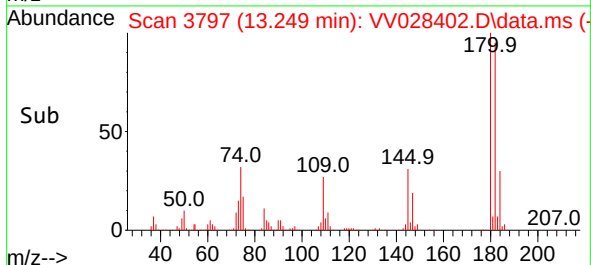
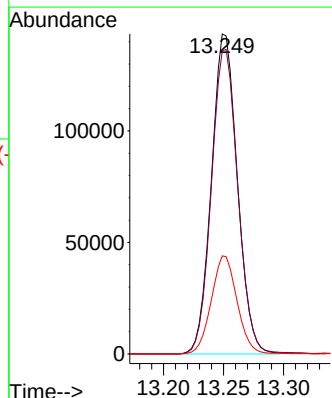
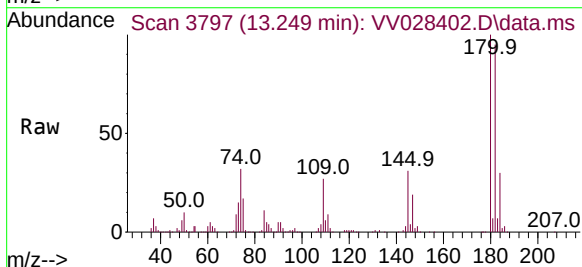
Tgt Ion:180 Resp: 215855

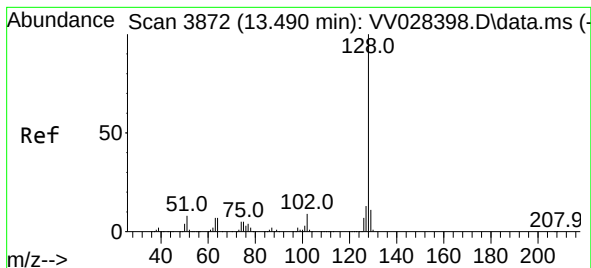
Ion Ratio Lower Upper

180 100

182 96.9 75.3 112.9

145 30.3 24.3 36.5





#71

Naphthalene

Concen: 52.518 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050349

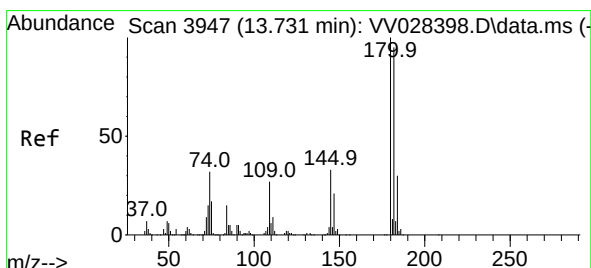
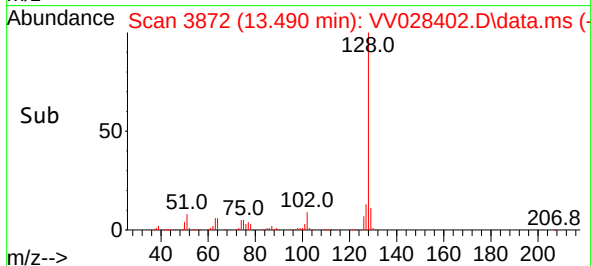
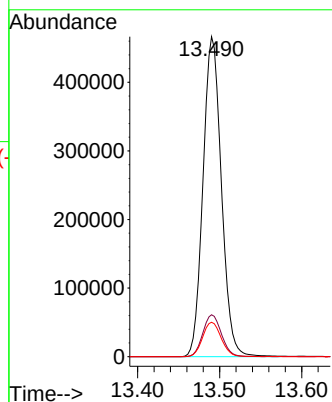
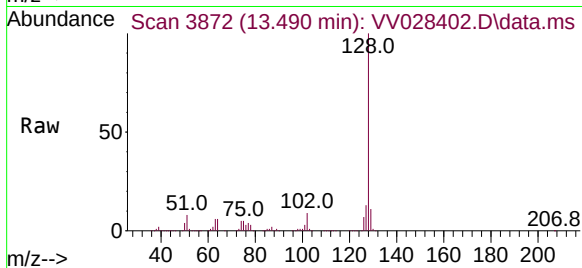
Tgt Ion:128 Resp: 726087

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 50.389 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028402.D

Acq: 07 Oct 2022 12:41

Tgt Ion:180 Resp: 218369

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.0

145 32.5 26.5 39.7

