

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092822\  
 Data File : VV028149.D  
 Acq On : 28 Sep 2022 09:57  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

Quant Time: Sep 29 01:19:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 28 03:08:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 183245   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 180962   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 101409   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 82622    | 4.349    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.000%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 66168    | 4.381    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 142040   | 4.311    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.200%  |
| 20) 2-Butanone-d5             | 3.896  | 46    | 138474   | 43.175   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 86.360%  |
| 24) Chloroform-d              | 4.336  | 84    | 140699   | 4.641    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 62769    | 4.351    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.000%  |
| 32) Benzene-d6                | 5.040  | 84    | 276916   | 4.667    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.059  | 67    | 80409    | 4.347    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 262978   | 4.896    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.000%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 30319    | 4.537    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.800%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 120553   | 43.228   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 86.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84    | 58267    | 4.608    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.619 | 152   | 90362    | 4.543    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 73633    | 5.380    | ug/L   | 93       |
| 3) Chloromethane              | 1.237  | 50    | 65136    | 3.594    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.304  | 62    | 75029    | 5.280    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 39210    | 4.237    | ug/L   | 99       |
| 8) Chloroethane               | 1.577  | 64    | 49141    | 5.157    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.745  | 101   | 123740   | 5.485    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 72104    | 5.546    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 63381    | 5.005    | ug/L   | 80       |
| 13) Acetone                   | 2.188  | 43    | 106935   | 43.286   | ug/L   | 63       |
| 14) Carbon disulfide          | 2.285  | 76    | 124613   | 5.128    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.436  | 43    | 23560    | 4.913    | ug/L # | 85       |
| 16) Methylene chloride        | 2.497  | 84    | 75654    | 5.352    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 154937   | 5.687    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96    | 63512    | 5.729    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 136503   | 5.645    | ug/L   | 97       |
| 21) 2-Butanone                | 3.976  | 43    | 151034   | 49.382   | ug/L   | 91       |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96    | 74963    | 5.153    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.240  | 128   | 33703    | 5.786    | ug/L   | 87       |
| 25) Chloroform                | 4.362  | 83    | 148068   | 5.706    | ug/L   | 100      |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

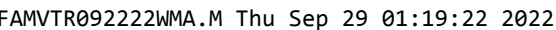
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

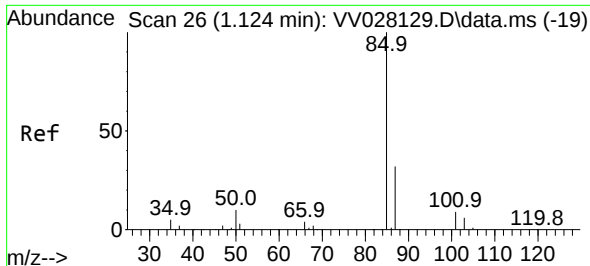
Quant Time: Sep 29 01:19:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 28 03:08:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 77536    | 5.603  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 127789   | 5.747  | ug/L   | 97       |
| 30) Cyclohexane               | 4.664  | 56   | 81581    | 5.073  | ug/L   | 91       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 107259   | 5.862  | ug/L   | 99       |
| 33) Benzene                   | 5.088  | 78   | 287739   | 5.726  | ug/L   | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 70742    | 5.656  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.121  | 83   | 93262    | 5.437  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 75097    | 5.331  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 101902   | 5.859  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 99472    | 5.685  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 386662   | 56.521 | ug/L   | 96       |
| 42) Toluene                   | 7.381  | 91   | 308882   | 5.893  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 86935    | 5.776  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 53404    | 5.655  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.969  | 164  | 58719    | 5.881  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.133  | 43   | 287486   | 55.357 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.239  | 129  | 67313    | 5.929  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 47658    | 5.807  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.876  | 112  | 206546   | 5.875  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 322823   | 5.821  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.133  | 106  | 128471   | 6.045  | ug/L   | 99       |
| 54) o-Xylene                  | 9.538  | 106  | 124355   | 5.925  | ug/L   | 99       |
| 55) Styrene                   | 9.555  | 104  | 228849   | 6.293  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 64902    | 5.899  | ug/L   | 98       |
| 59) Bromoform                 | 9.728  | 173  | 37018    | 5.750  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.928  | 105  | 340191   | 5.715  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 46419    | 5.458  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 90134    | 5.376  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 265214   | 5.659  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.175 | 146  | 176968   | 5.975  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 175150   | 5.910  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 162091   | 5.793  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 9839     | 5.277  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 138317   | 5.900  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.255 | 180  | 107733   | 5.746  | ug/L   | 99       |
| 71) Naphthalene               | 13.496 | 128  | 156665   | 5.103  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 96495    | 5.690  | ug/L   | 98       |

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

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QLast Update : Wed Sep 28 03:08:11 2022  
Response via : Initial Calibration

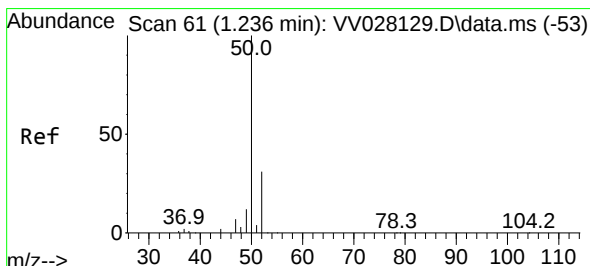
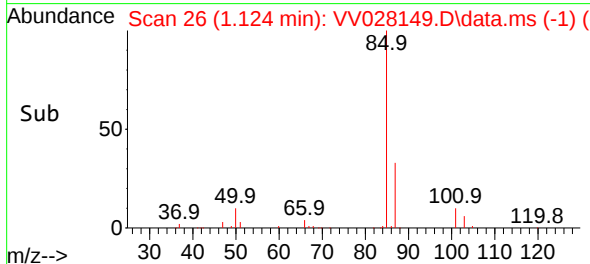
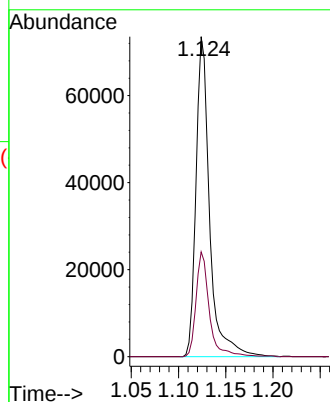
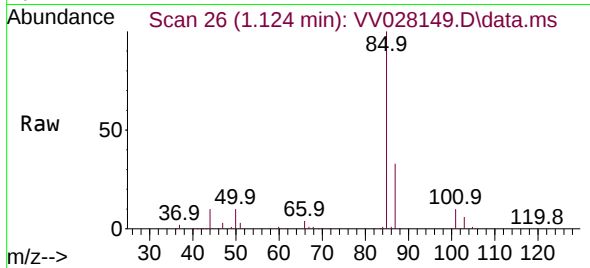




#2  
 Dichlorodifluoromethane  
 Concen: 5.380 ug/L  
 RT: 1.124 min Scan# 26  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

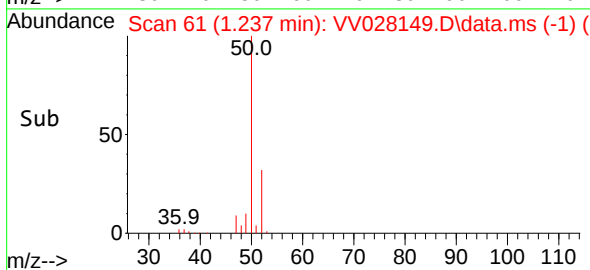
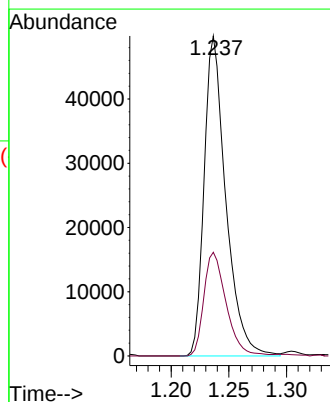
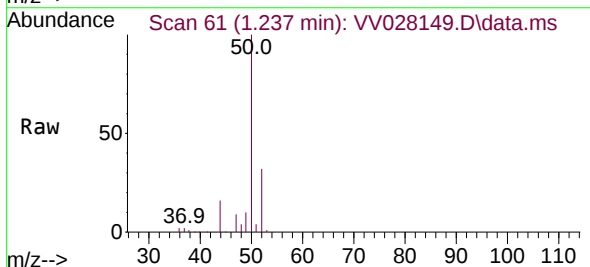
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

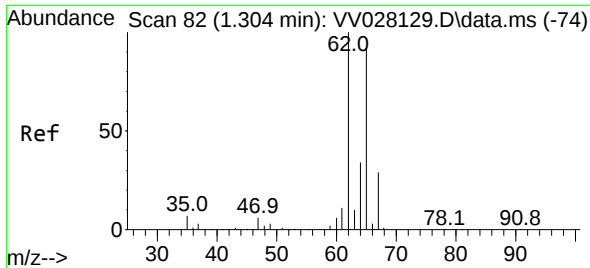
Tgt Ion: 85 Resp: 73633  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 22.8 34.2



#3  
 Chloromethane  
 Concen: 3.594 ug/L  
 RT: 1.237 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

Tgt Ion: 50 Resp: 65136  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 24.4 45.2

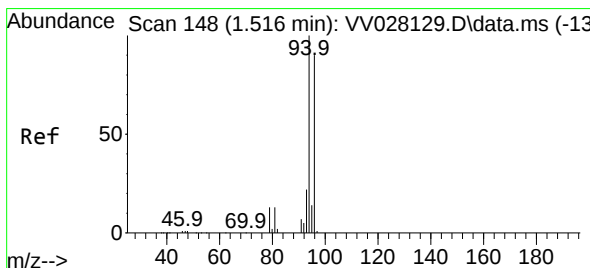
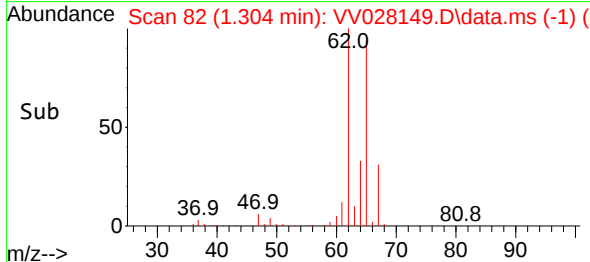
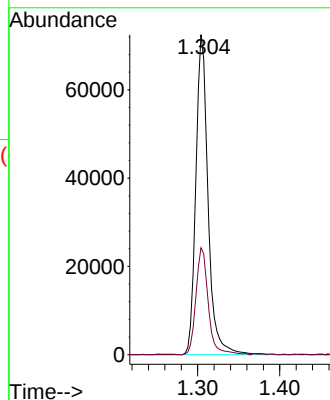
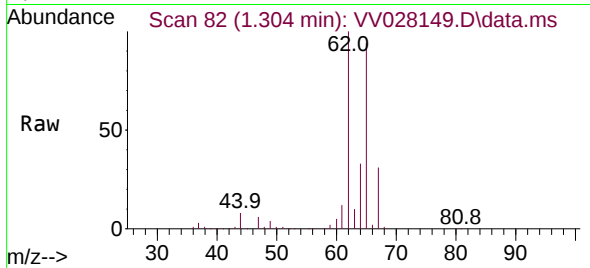




#5  
 Vinyl chloride  
 Concen: 5.280 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

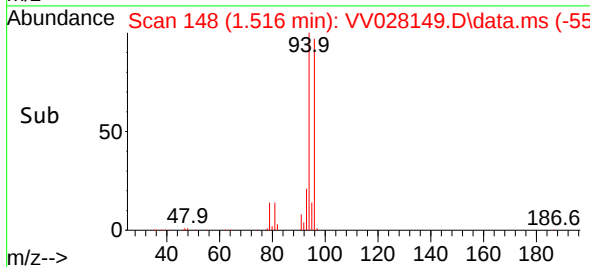
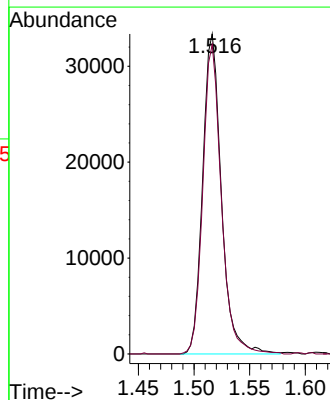
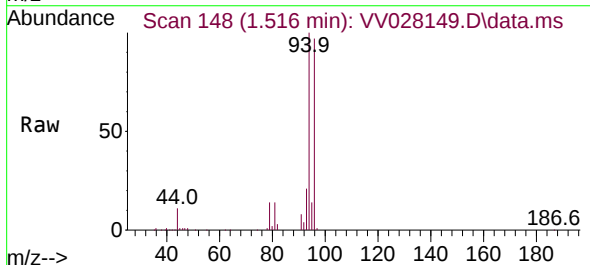
Instrument :  
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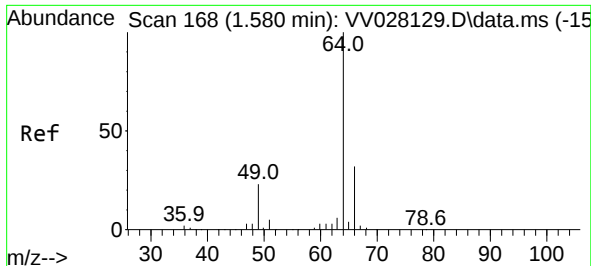
Tgt Ion: 62 Resp: 75029  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.0 42.8



#6  
 Bromomethane  
 Concen: 4.237 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

Tgt Ion: 94 Resp: 39210  
 Ion Ratio Lower Upper  
 94 100  
 96 96.7 66.7 123.9

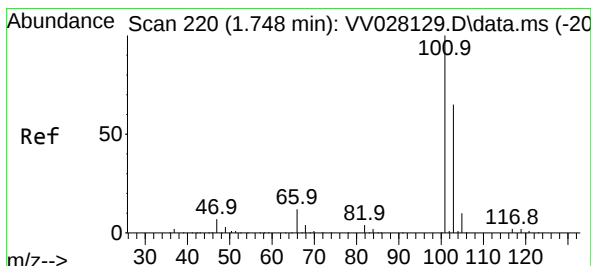
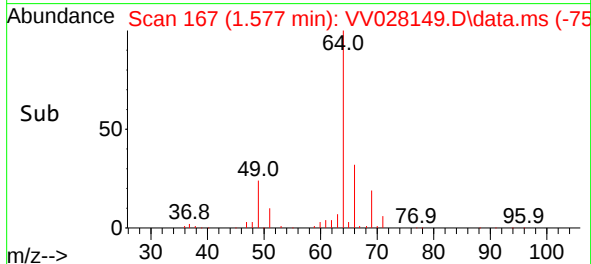
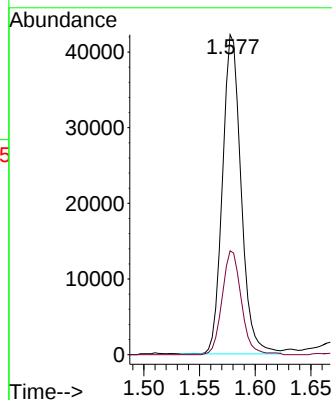
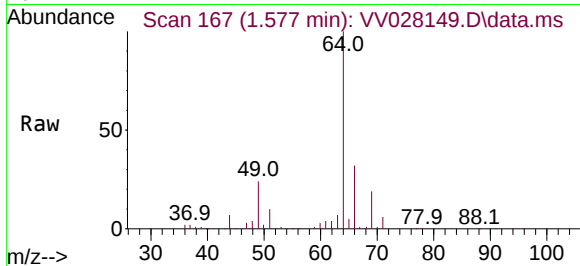




#8  
Chloroethane  
Concen: 5.157 ug/L  
RT: 1.577 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

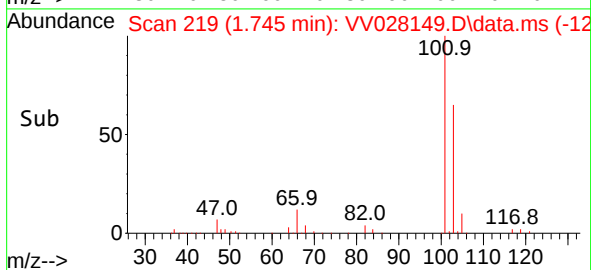
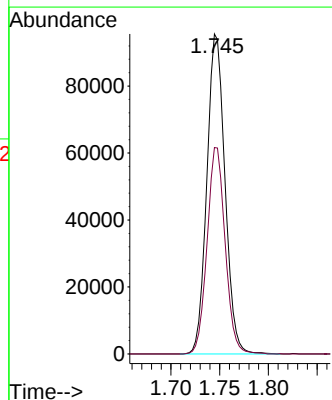
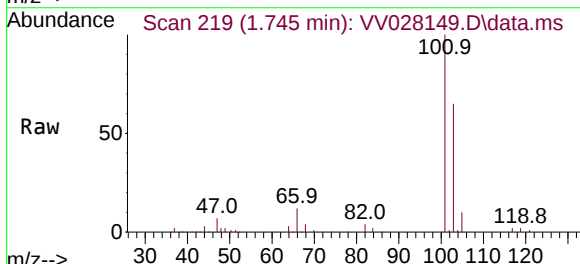
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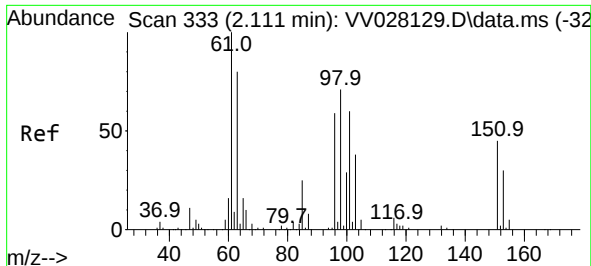
Tgt Ion: 64 Resp: 49141  
Ion Ratio Lower Upper  
64 100  
66 32.5 23.0 42.8



#9  
Trichlorofluoromethane  
Concen: 5.485 ug/L  
RT: 1.745 min Scan# 219  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion:101 Resp: 123740  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.0

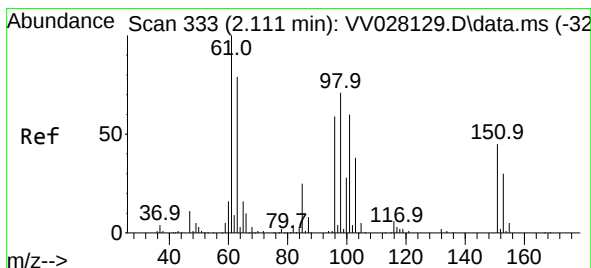
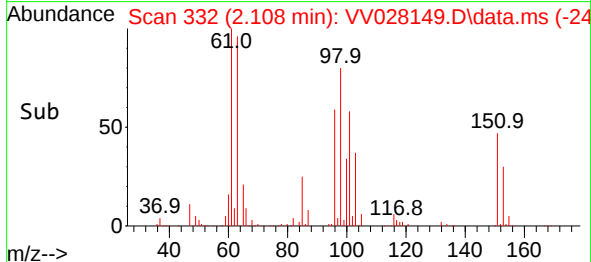
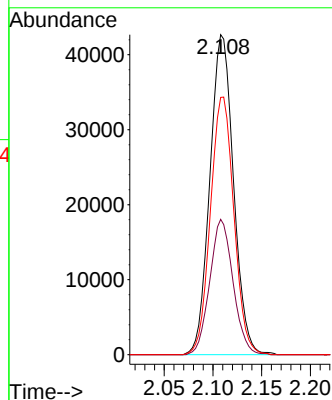
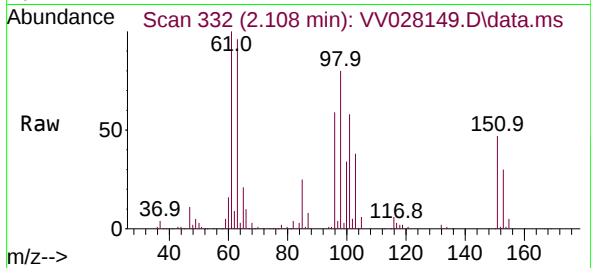




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.546 ug/L  
 RT: 2.108 min Scan# 311  
 Delta R.T. -0.003 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

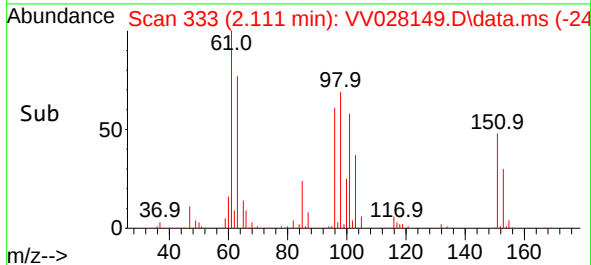
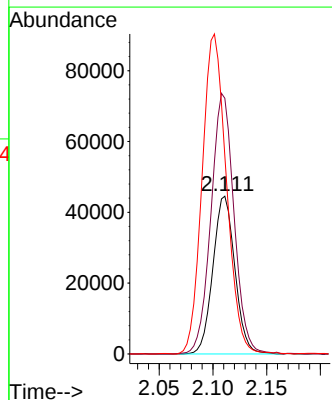
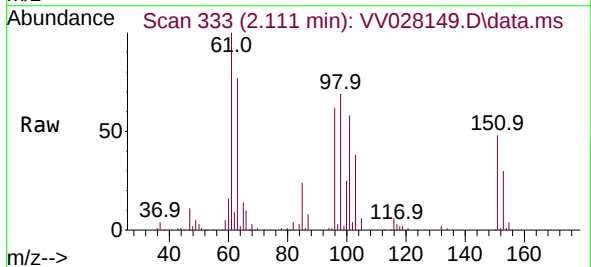
Instrument :  
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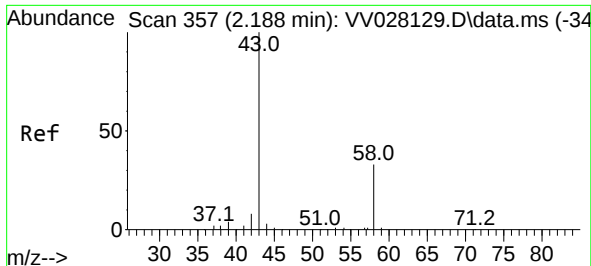
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 Ion Ratio Lower Upper  
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 151 79.9 61.1 91.7



#12  
 1,1-Dichloroethene  
 Concen: 5.005 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

Tgt Ion: 96 Resp: 63381  
 Ion Ratio Lower Upper  
 96 100  
 61 162.1 128.3 238.3  
 63 125.4 112.7 209.3





#13

Acetone

Concen: 43.286 ug/L

RT: 2.188 min Scan# 357

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

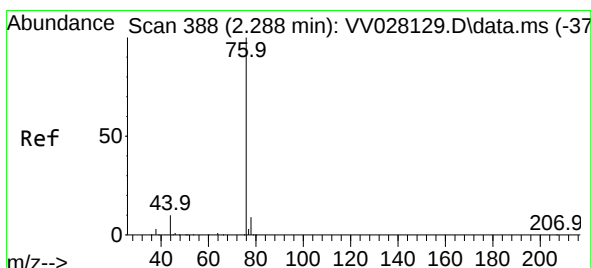
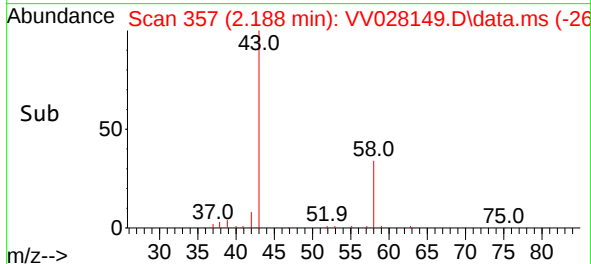
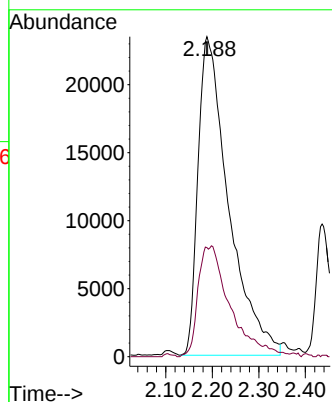
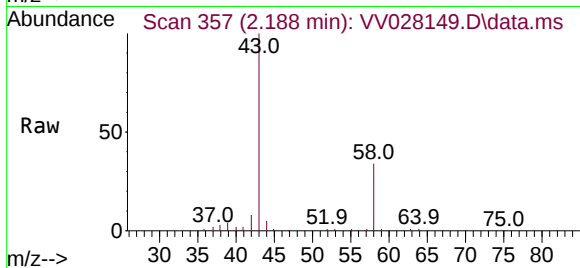
VSTD005307

Tgt Ion: 43 Resp: 106935

Ion Ratio Lower Upper

43 100

58 12.2 0.0 65.6



#14

Carbon disulfide

Concen: 5.128 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

Lab File: VV028149.D

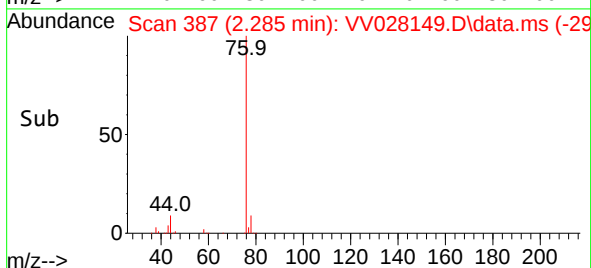
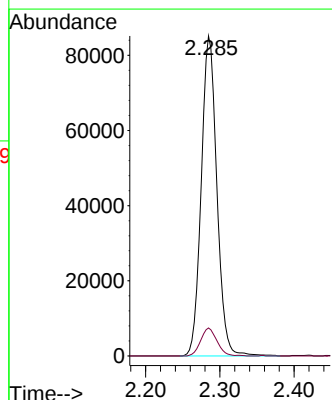
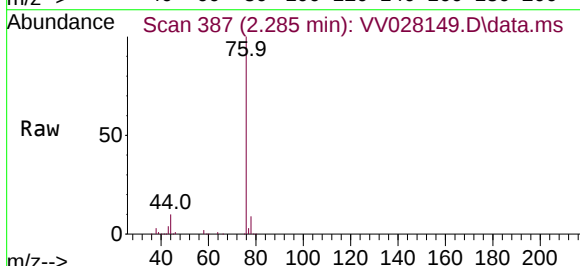
Acq: 28 Sep 2022 09:57

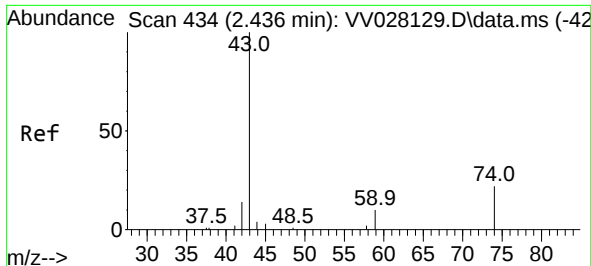
Tgt Ion: 76 Resp: 124613

Ion Ratio Lower Upper

76 100

78 8.8 7.6 11.4

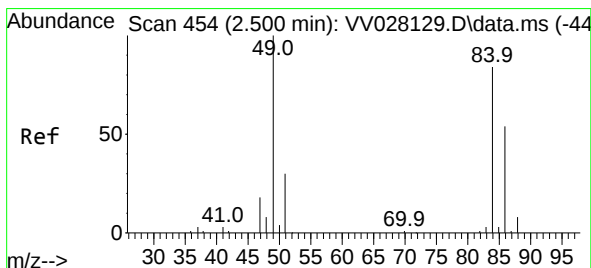
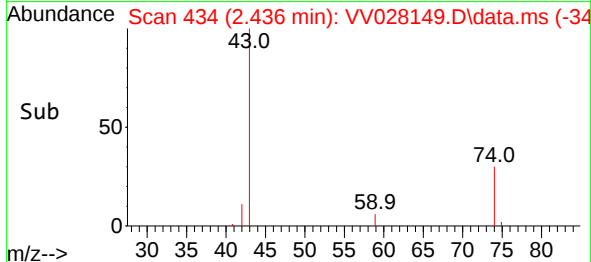
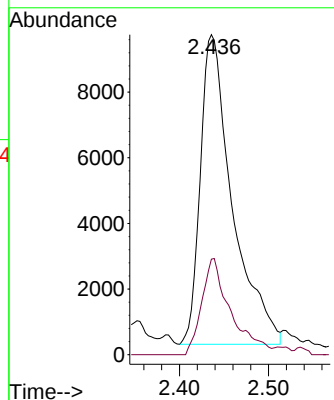
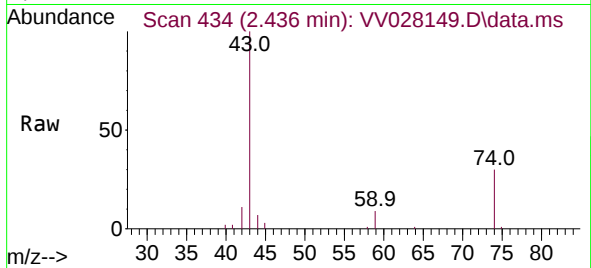




#15  
Methyl Acetate  
Concen: 4.913 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

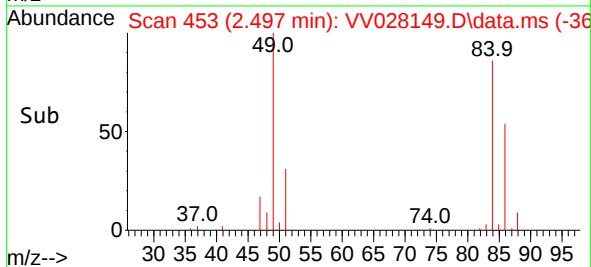
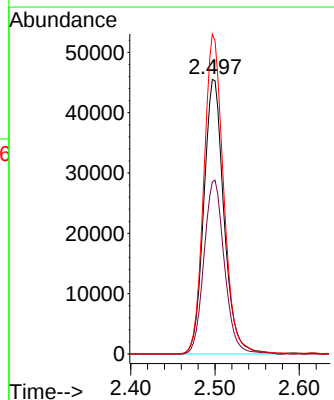
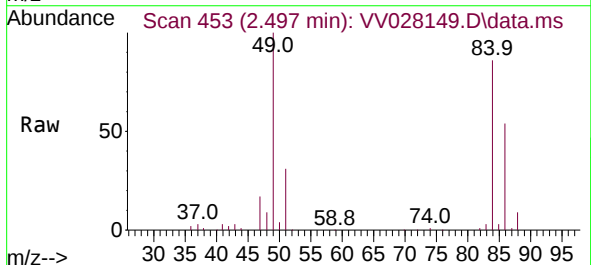
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

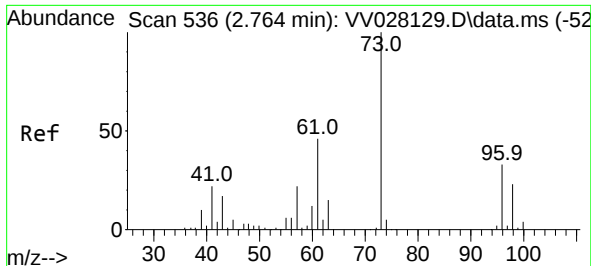
Tgt Ion: 43 Resp: 23560  
Ion Ratio Lower Upper  
43 100  
74 28.2 16.9 25.3#



#16  
Methylene chloride  
Concen: 5.352 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 84 Resp: 75654  
Ion Ratio Lower Upper  
84 100  
86 62.7 46.8 86.8  
49 116.5 87.5 162.5

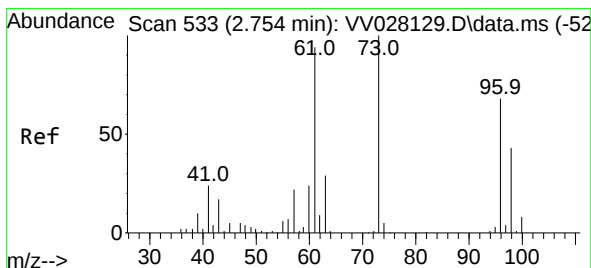
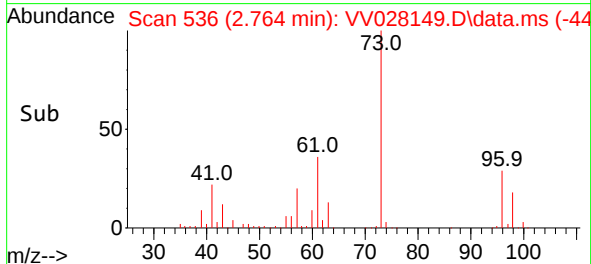
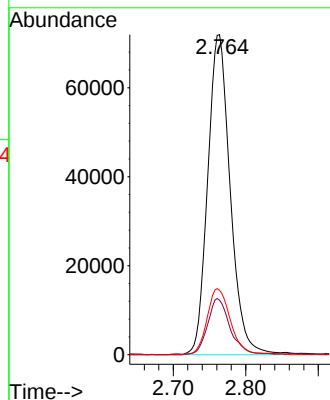
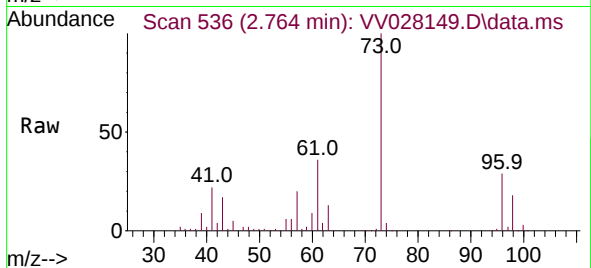




#17  
Methyl tert-butyl Ether  
Concen: 5.687 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

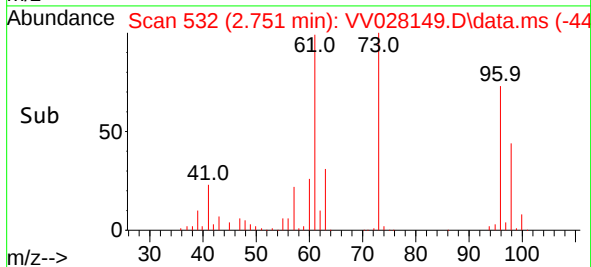
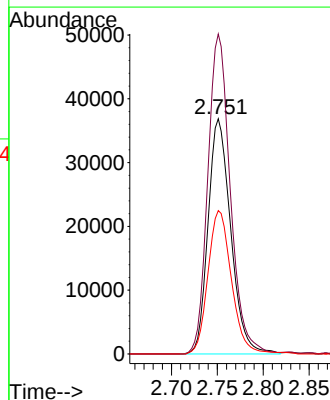
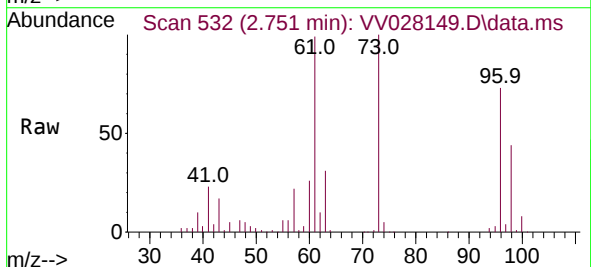
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

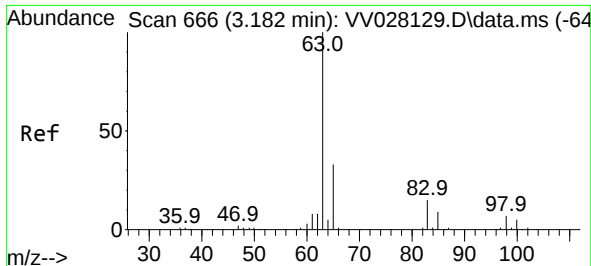
Tgt Ion: 73 Resp: 154937  
Ion Ratio Lower Upper  
73 100  
43 17.0 15.7 23.5  
57 21.3 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.729 ug/L  
RT: 2.751 min Scan# 532  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 96 Resp: 63512  
Ion Ratio Lower Upper  
96 100  
61 136.1 96.2 178.6  
98 61.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.645 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

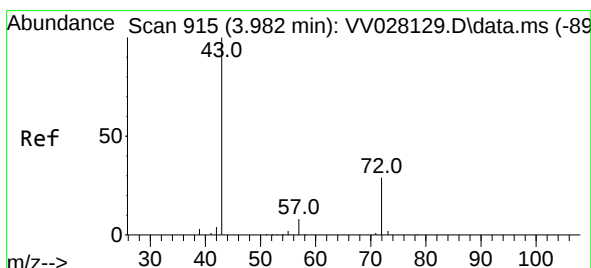
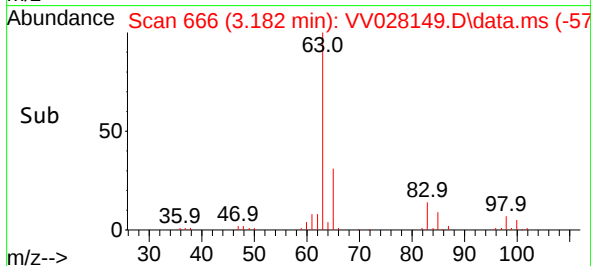
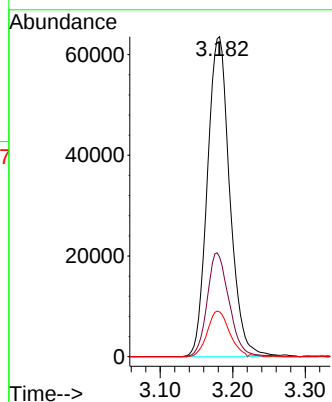
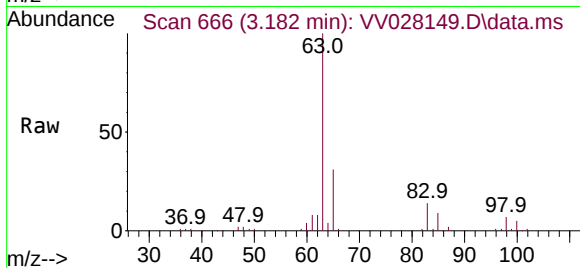
Tgt Ion: 63 Resp: 136503

Ion Ratio Lower Upper

63 100

65 31.2 23.0 42.8

83 14.0 9.2 17.2



#21

2-Butanone

Concen: 49.382 ug/L

RT: 3.976 min Scan# 913

Delta R.T. -0.006 min

Lab File: VV028149.D

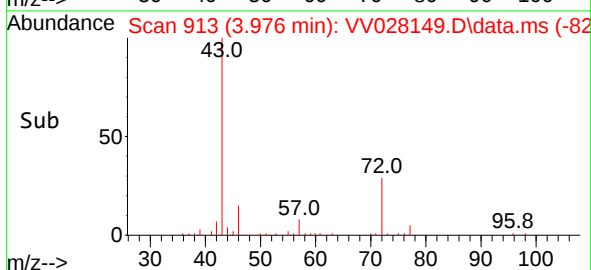
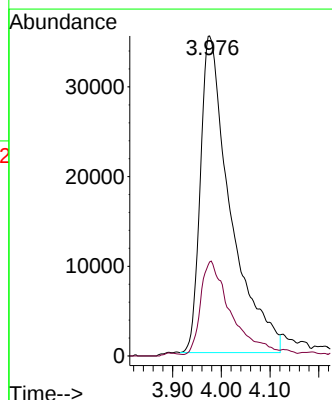
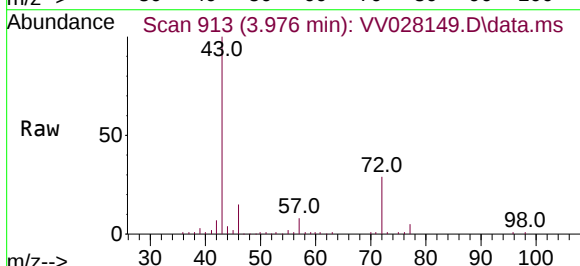
Acq: 28 Sep 2022 09:57

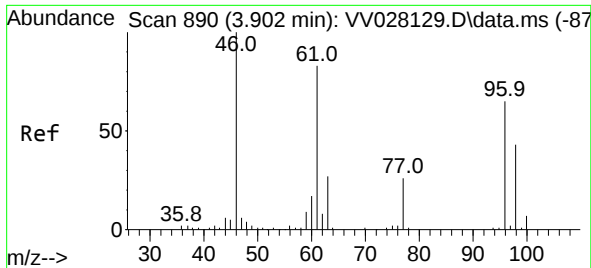
Tgt Ion: 43 Resp: 151034

Ion Ratio Lower Upper

43 100

72 30.0 12.7 38.1

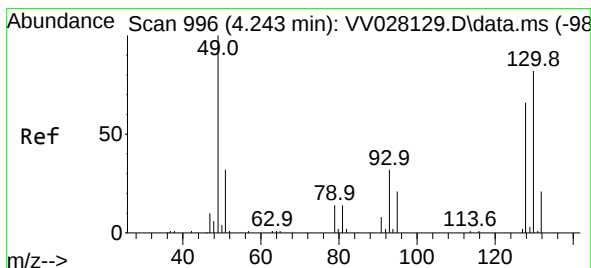
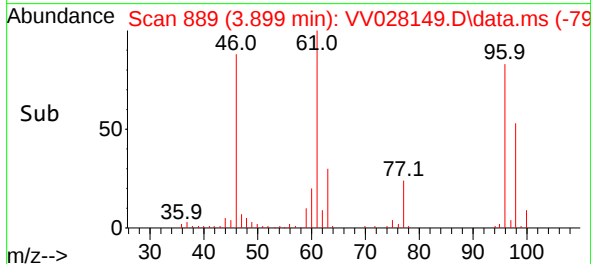
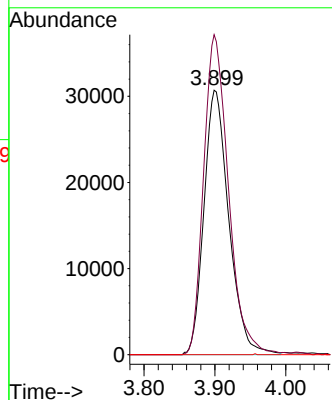
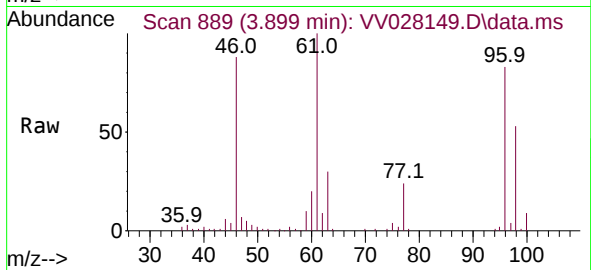




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.153 ug/L  
 RT: 3.899 min Scan# 890  
 Delta R.T. -0.003 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

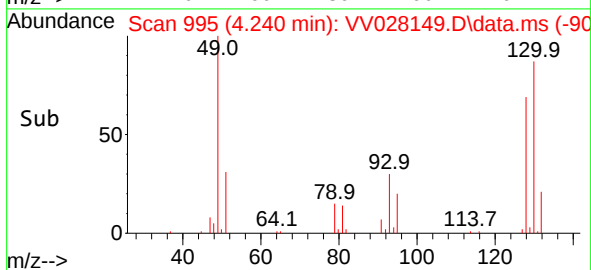
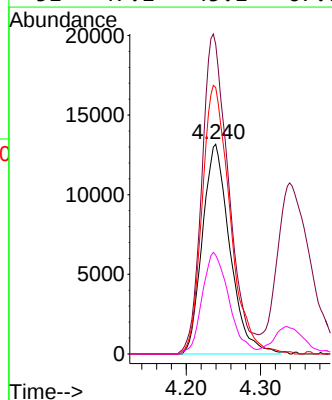
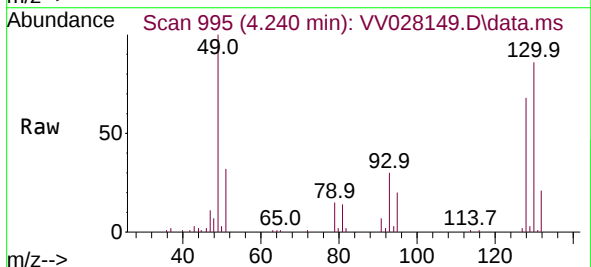
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

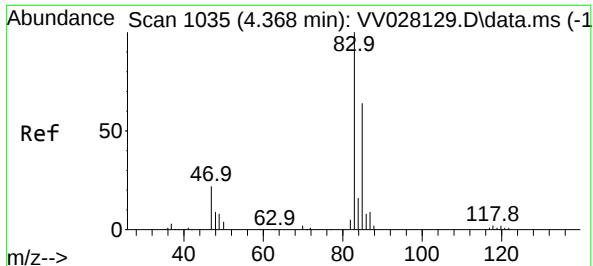
Tgt Ion: 96 Resp: 74963  
 Ion Ratio Lower Upper  
 96 100  
 61 121.0 87.2 161.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.786 ug/L  
 RT: 4.240 min Scan# 995  
 Delta R.T. -0.003 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

Tgt Ion: 128 Resp: 33703  
 Ion Ratio Lower Upper  
 128 100  
 49 147.6 119.9 222.7  
 130 127.0 94.6 175.8  
 51 47.1 45.1 67.7

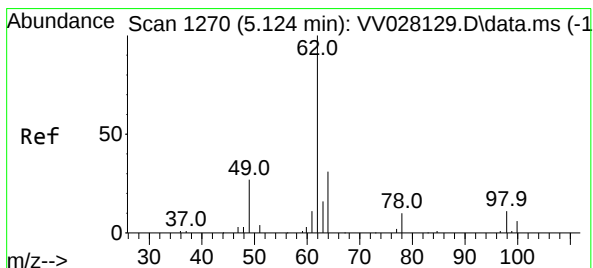
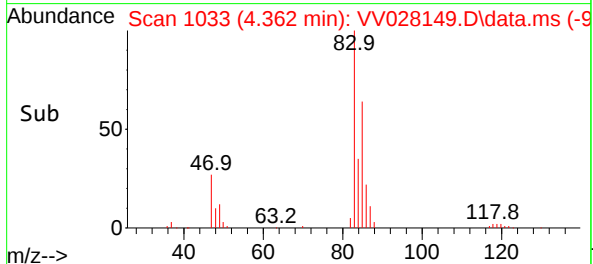
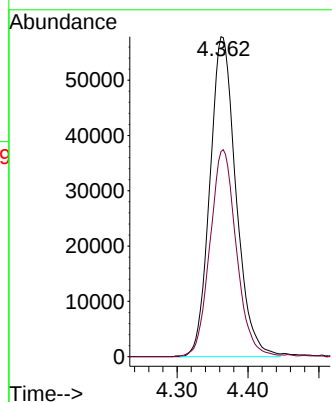
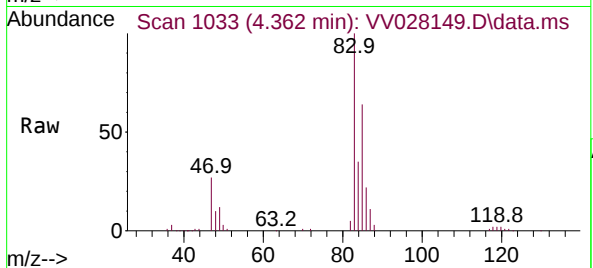




#25  
Chloroform  
Concen: 5.706 ug/L  
RT: 4.362 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

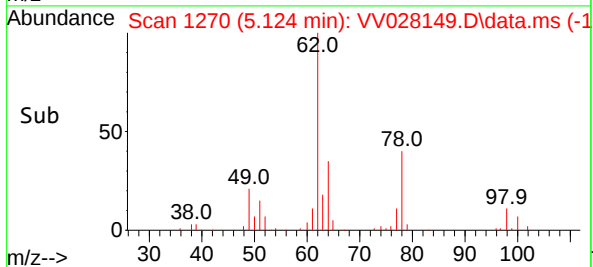
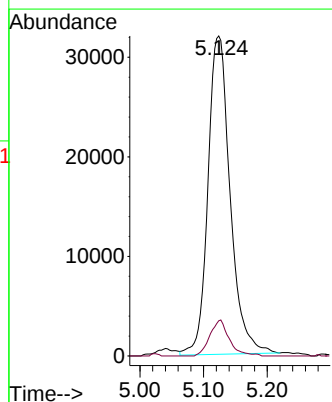
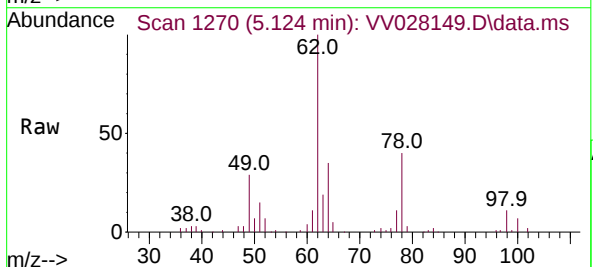
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MSVOA\_V  
ClientSampleId :  
VSTD005307

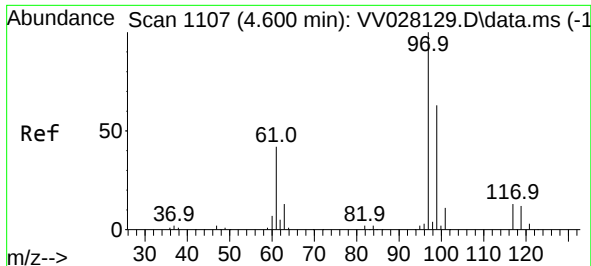
Tgt Ion: 83 Resp: 148068  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 5.603 ug/L  
RT: 5.124 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 62 Resp: 77536  
Ion Ratio Lower Upper  
62 100  
98 11.0 6.7 10.1#

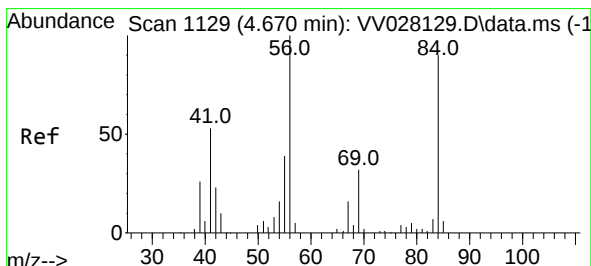
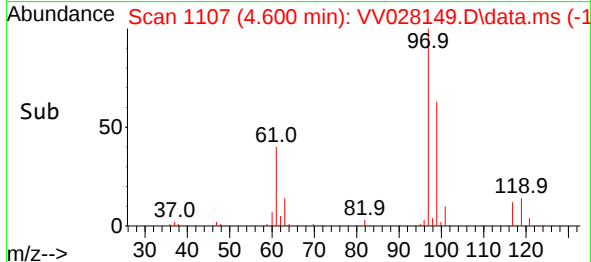
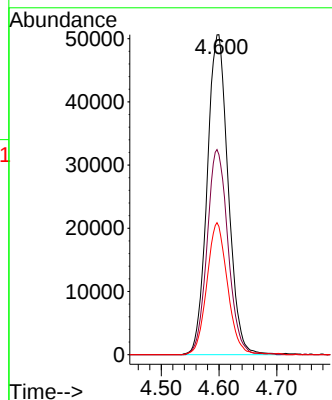
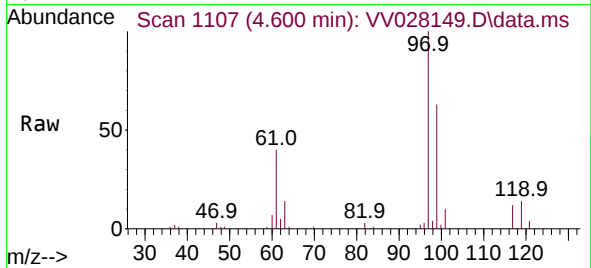




#29  
1,1,1-Trichloroethane  
Concen: 5.747 ug/L  
RT: 4.600 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

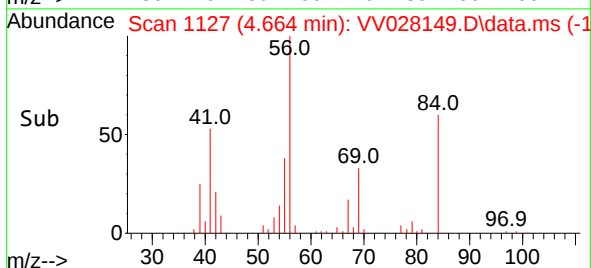
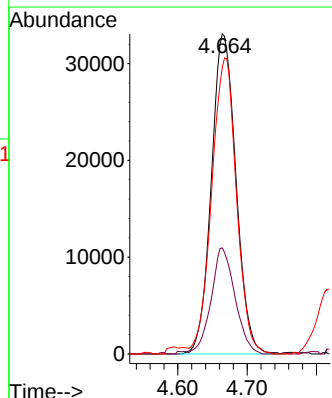
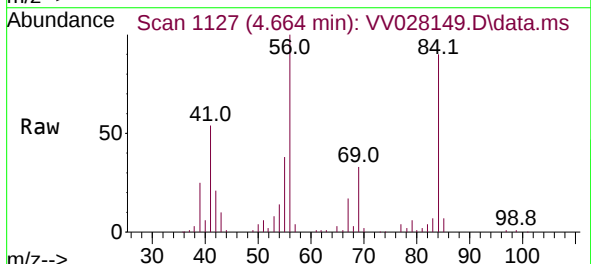
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MSVOA\_V  
ClientSampleId :  
VSTD005307

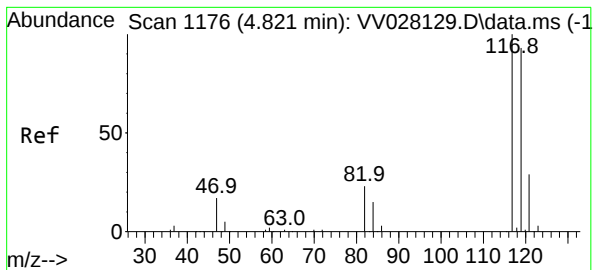
Tgt Ion: 97 Resp: 127789  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.9 77.9  
61 40.5 34.8 52.2



#30  
Cyclohexane  
Concen: 5.073 ug/L  
RT: 4.664 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 56 Resp: 81581  
Ion Ratio Lower Upper  
56 100  
69 32.1 23.7 35.5  
84 93.1 67.3 100.9

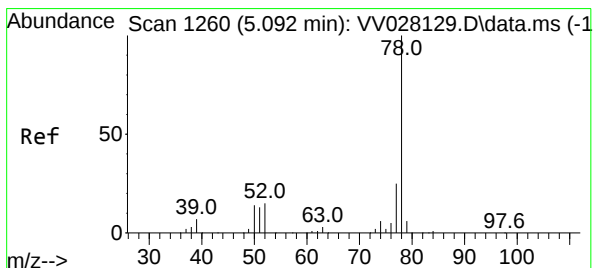
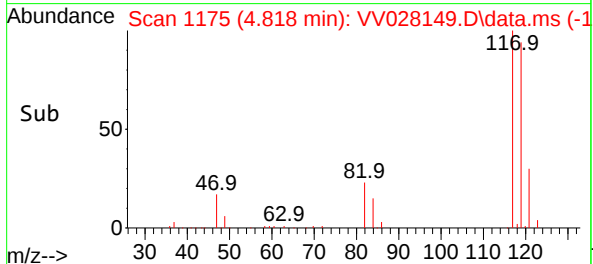
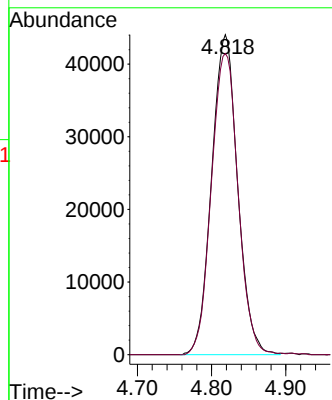
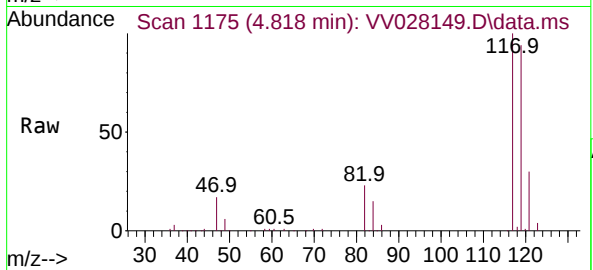




#31  
Carbon tetrachloride  
Concen: 5.862 ug/L  
RT: 4.818 min Scan# 1175  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

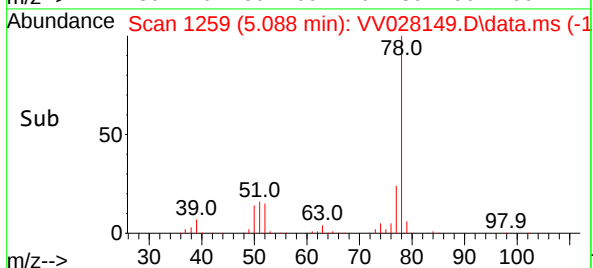
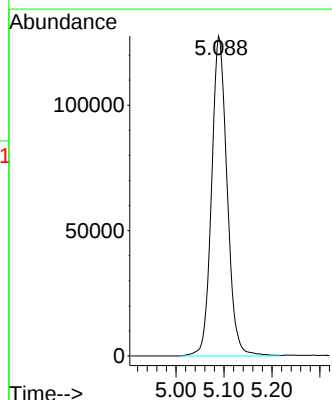
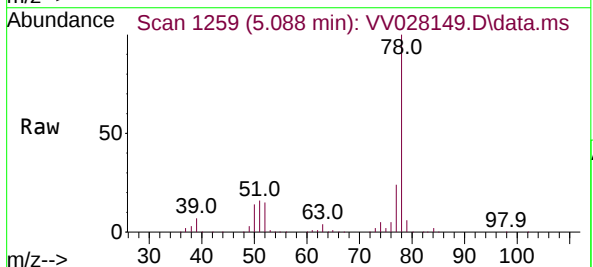
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MSVOA\_V  
ClientSampleId :  
VSTD005307

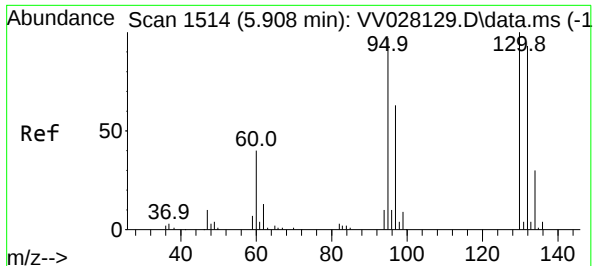
Tgt Ion:117 Resp: 107259  
Ion Ratio Lower Upper  
117 100  
119 96.7 76.9 115.3



#33  
Benzene  
Concen: 5.726 ug/L  
RT: 5.088 min Scan# 1259  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 78 Resp: 287739

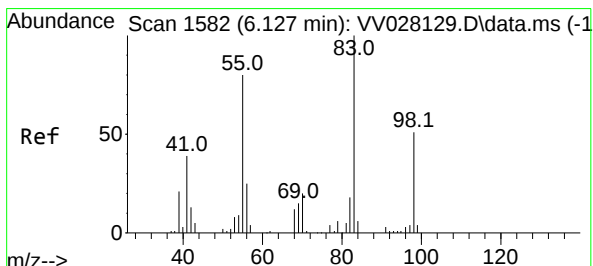
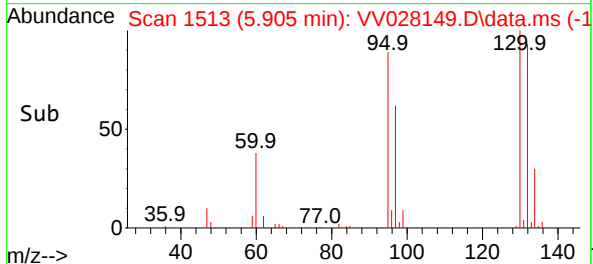
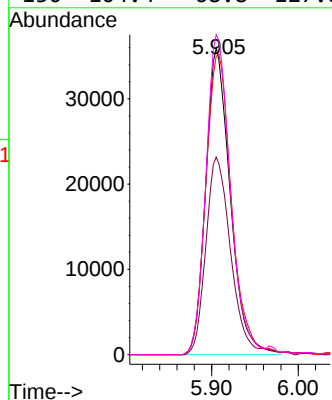
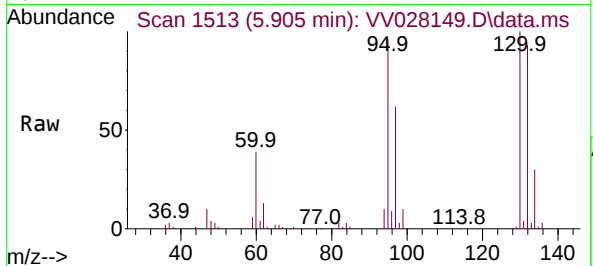




#34  
Trichloroethene  
Concen: 5.656 ug/L  
RT: 5.905 min Scan# 1513  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

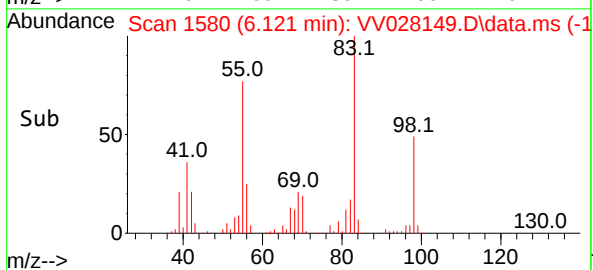
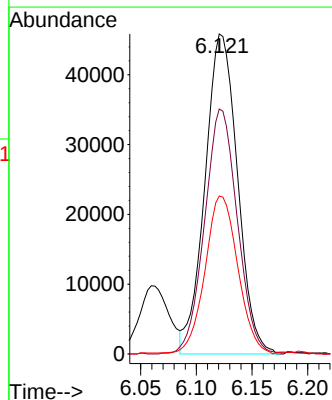
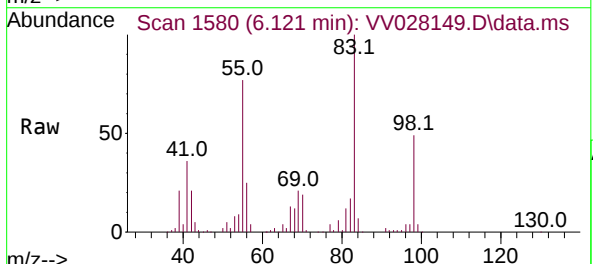
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

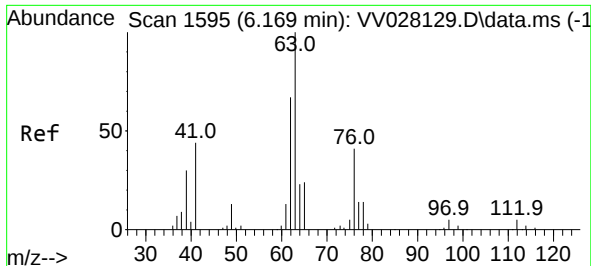
Tgt Ion: 95 Resp: 70742  
Ion Ratio Lower Upper  
95 100  
97 64.4 44.2 82.0  
132 97.3 67.8 126.0  
130 104.4 68.8 127.8



#35  
Methylcyclohexane  
Concen: 5.437 ug/L  
RT: 6.121 min Scan# 1580  
Delta R.T. -0.006 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 83 Resp: 93262  
Ion Ratio Lower Upper  
83 100  
55 77.1 64.7 97.1  
98 50.0 39.5 59.3





#37

1,2-Dichloropropane

Concen: 5.331 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

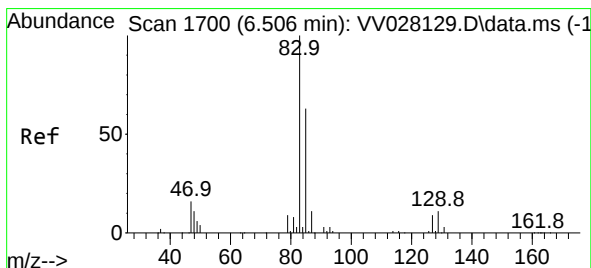
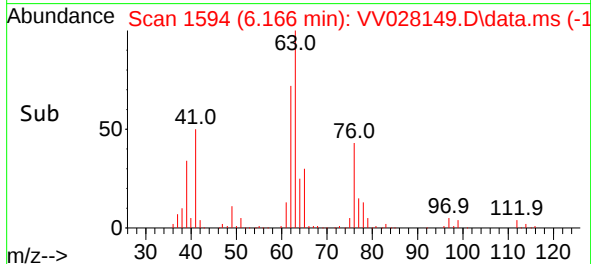
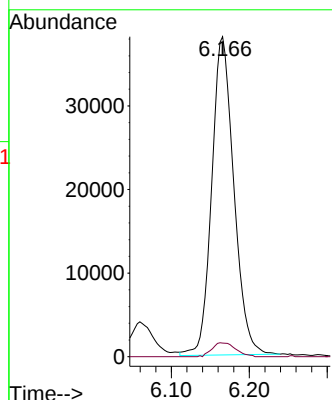
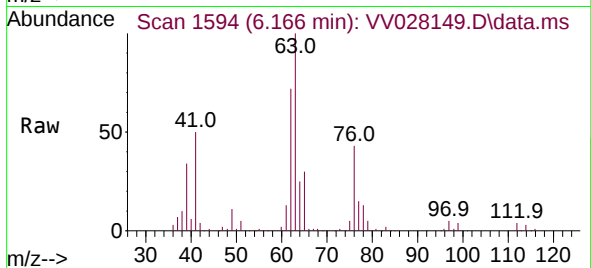
VSTD005307

Tgt Ion: 63 Resp: 75097

Ion Ratio Lower Upper

63 100

112 4.7 3.5 5.3



#38

Bromodichloromethane

Concen: 5.859 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

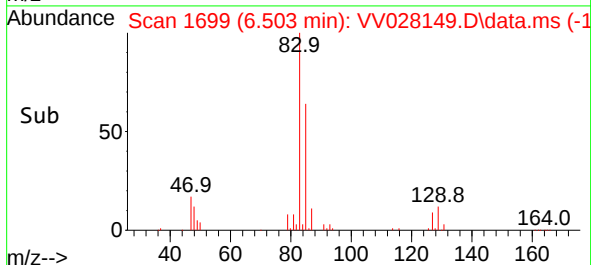
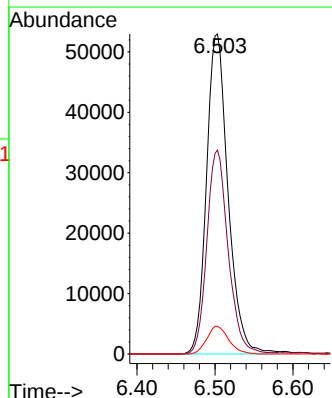
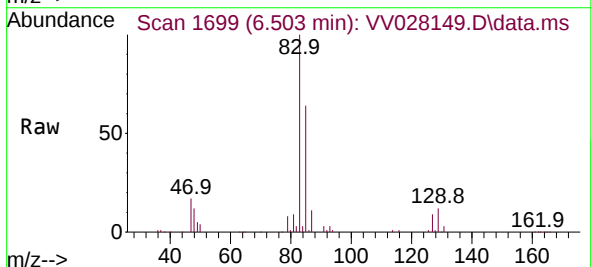
Tgt Ion: 83 Resp: 101902

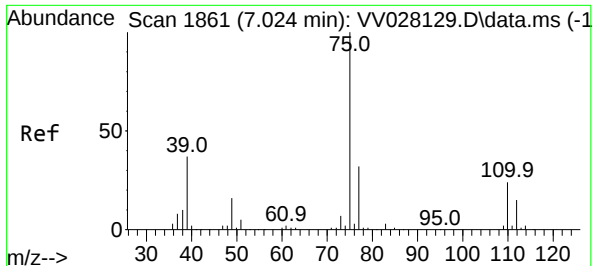
Ion Ratio Lower Upper

83 100

85 63.7 43.8 81.4

127 8.6 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.685 ug/L

RT: 7.021 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

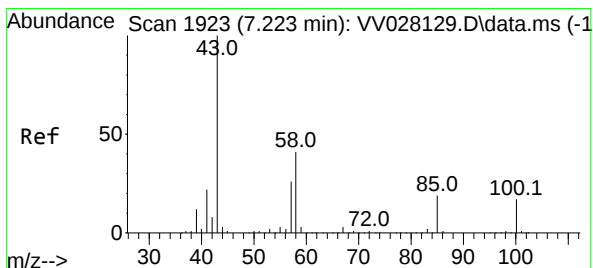
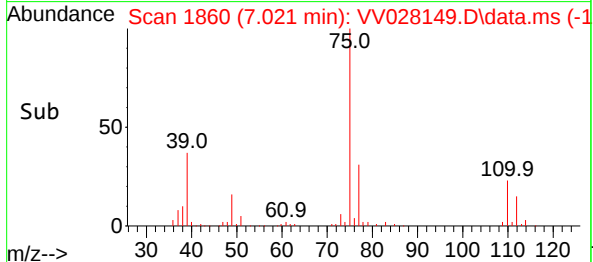
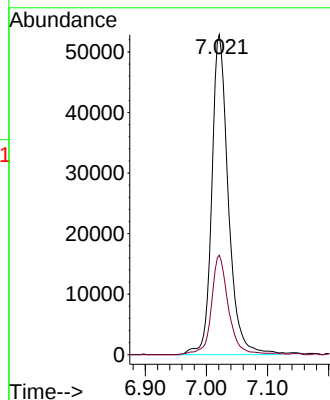
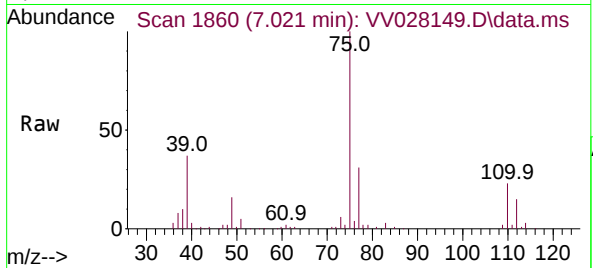
VSTD005307

Tgt Ion: 75 Resp: 99472

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 56.521 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

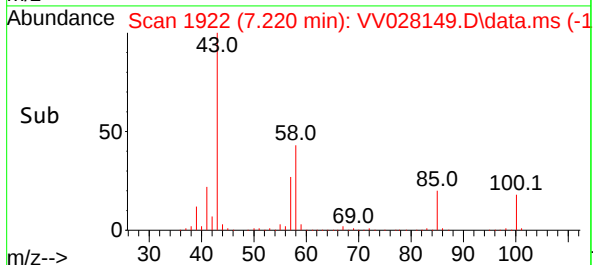
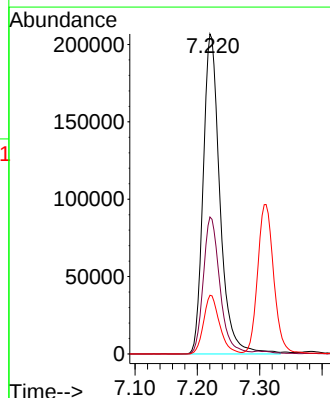
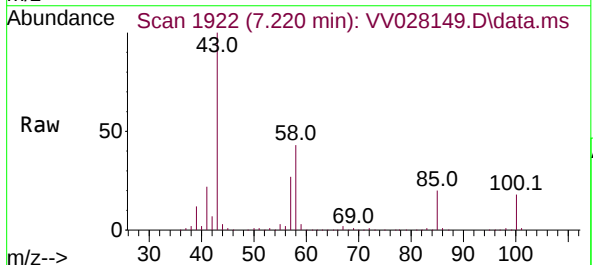
Tgt Ion: 43 Resp: 386662

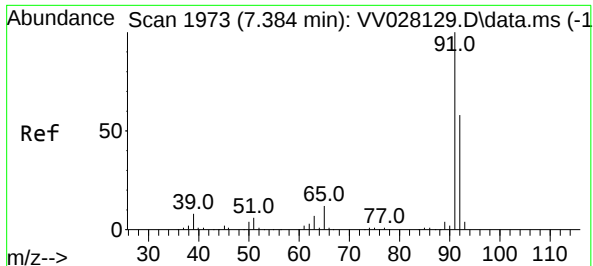
Ion Ratio Lower Upper

43 100

58 42.5 32.2 48.4

100 17.6 12.7 19.1





#42

Toluene

Concen: 5.893 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

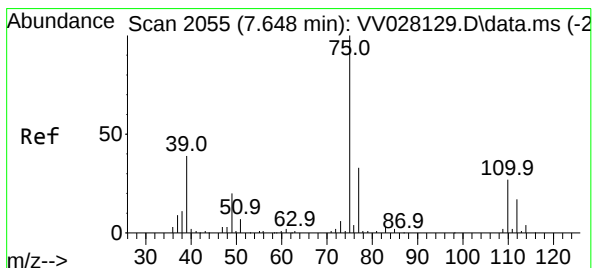
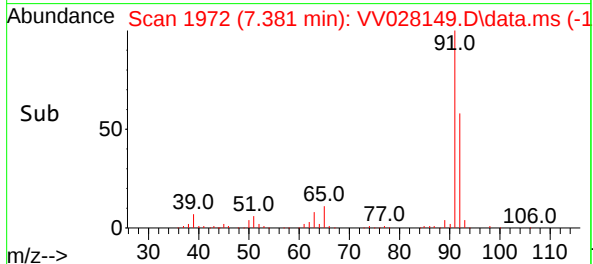
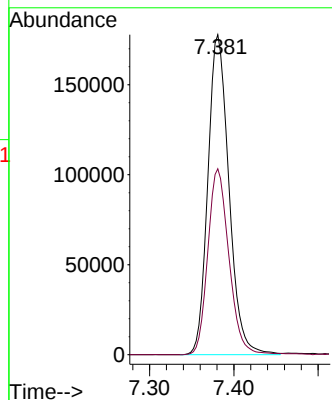
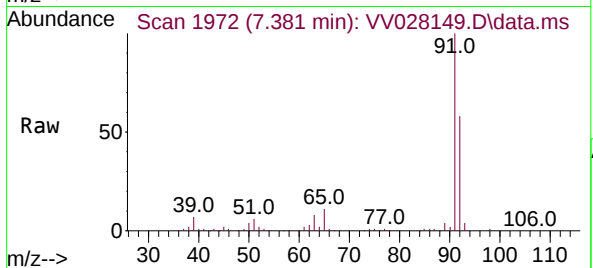
VSTD005307

Tgt Ion: 91 Resp: 308882

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.776 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV028149.D

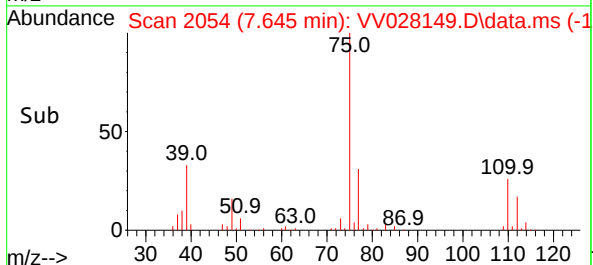
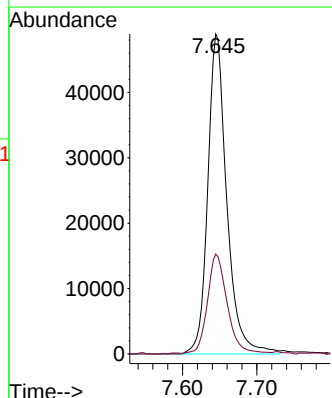
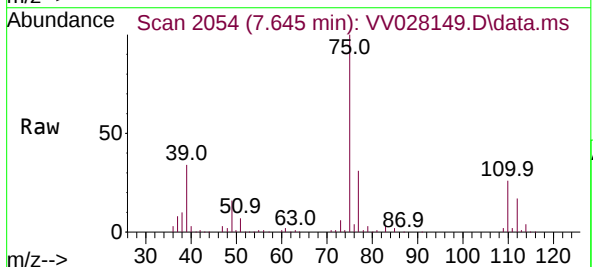
Acq: 28 Sep 2022 09:57

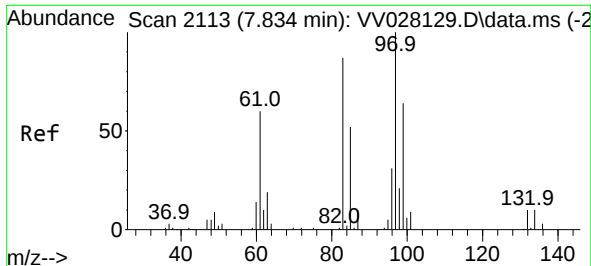
Tgt Ion: 75 Resp: 86935

Ion Ratio Lower Upper

75 100

77 31.2 23.9 44.3

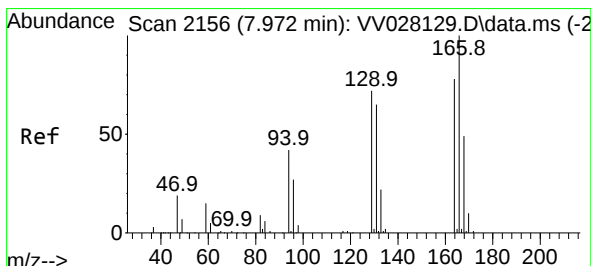
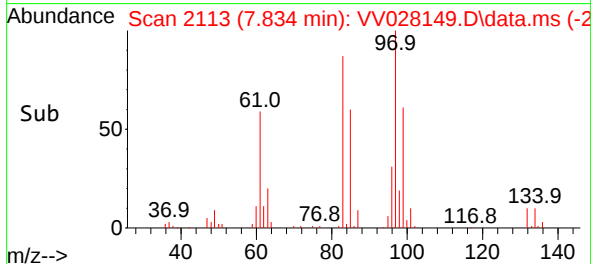
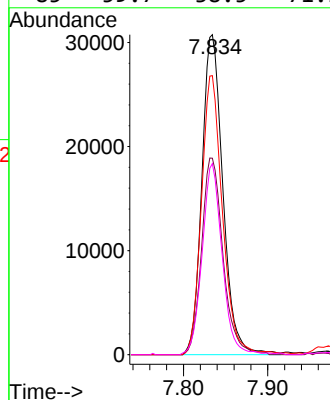
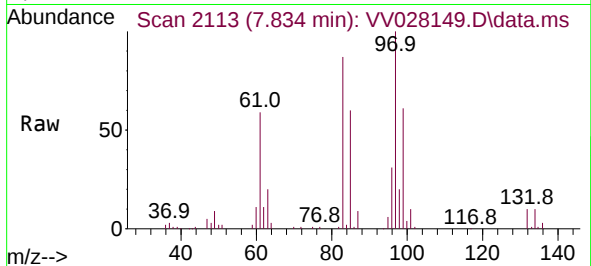




#45  
1,1,2-Trichloroethane  
Concen: 5.655 ug/L  
RT: 7.834 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

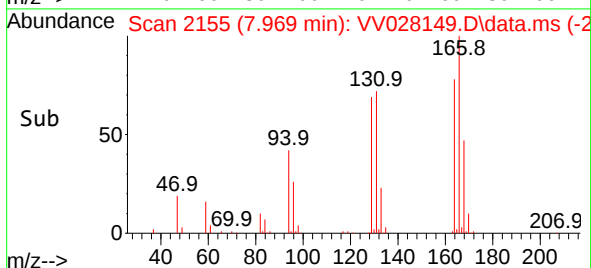
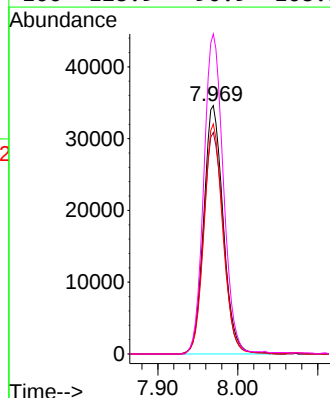
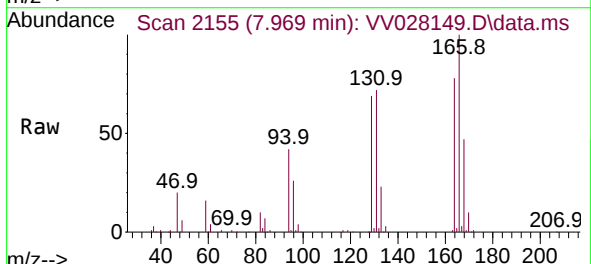
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

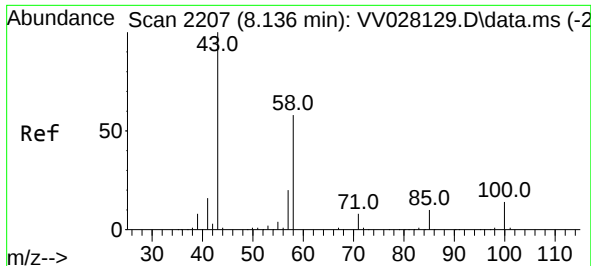
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 53404 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.4  | 43.2  | 80.2  |
| 83       | 87.2  | 59.1  | 109.9 |
| 85       | 59.7  | 38.5  | 71.5  |



#47  
Tetrachloroethene  
Concen: 5.881 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 58719 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.2  | 66.7  | 123.9 |
| 131      | 92.6  | 61.7  | 114.5 |
| 166      | 128.9 | 90.9  | 168.9 |



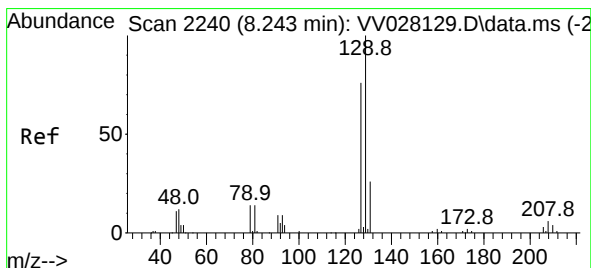
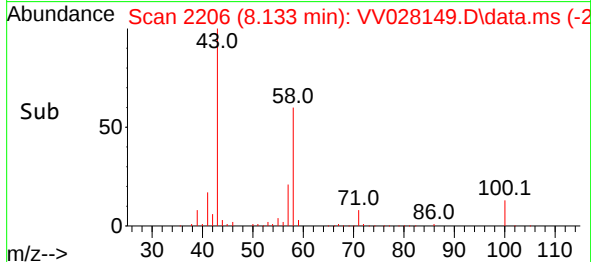
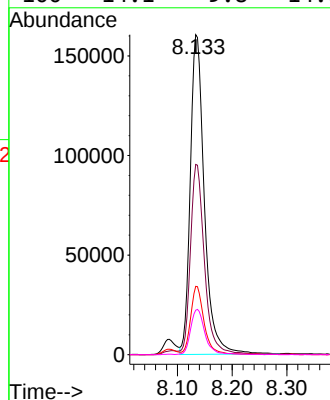
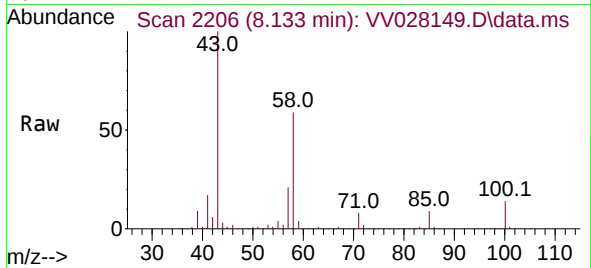


#48  
2-Hexanone  
Concen: 55.357 ug/L  
RT: 8.133 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

Tgt Ion: 43 Resp: 287486

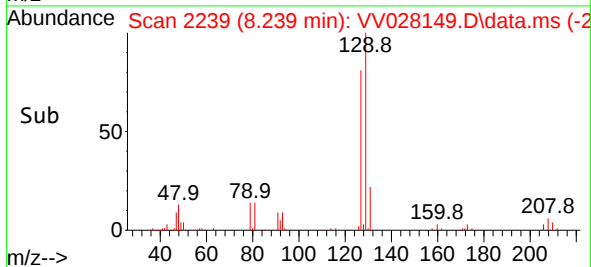
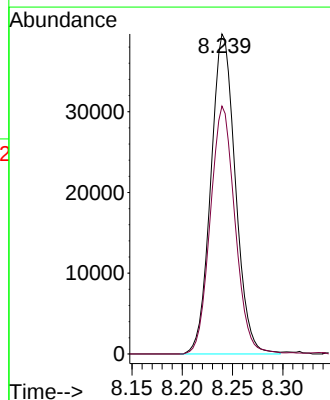
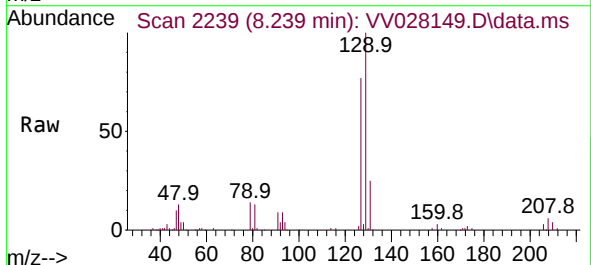
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 58.4  | 45.7  | 68.5  |
| 57  | 20.0  | 15.5  | 23.3  |
| 100 | 14.1  | 9.8   | 14.6  |

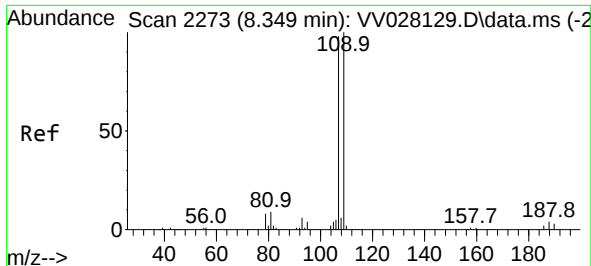


#49  
Dibromochloromethane  
Concen: 5.929 ug/L  
RT: 8.239 min Scan# 2239  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 129 Resp: 67313

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.4  | 54.3  | 100.9 |





#50

1,2-Dibromoethane

Concen: 5.807 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

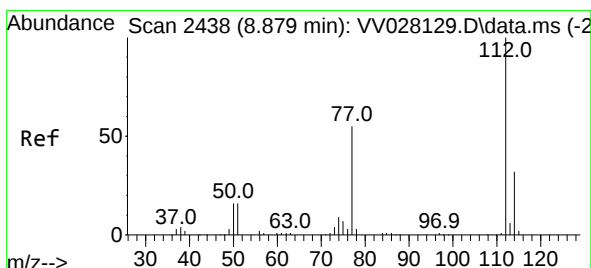
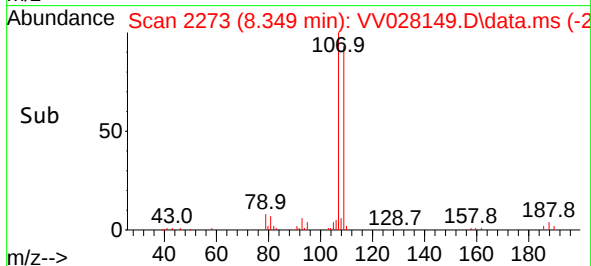
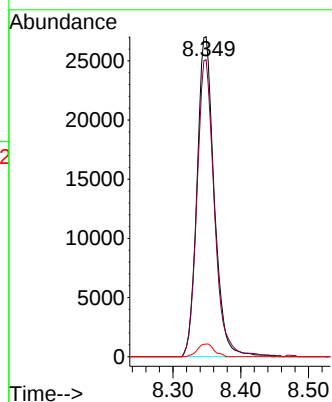
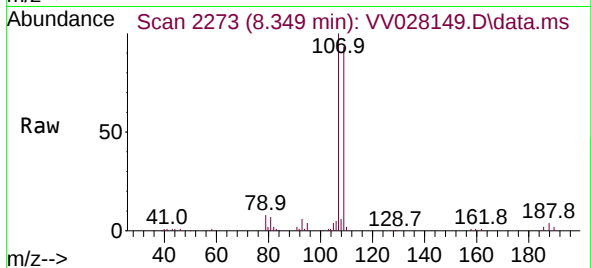
Tgt Ion:107 Resp: 47658

Ion Ratio Lower Upper

107 100

109 92.8 65.9 122.5

188 4.0 3.4 5.0



#51

Chlorobenzene

Concen: 5.875 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

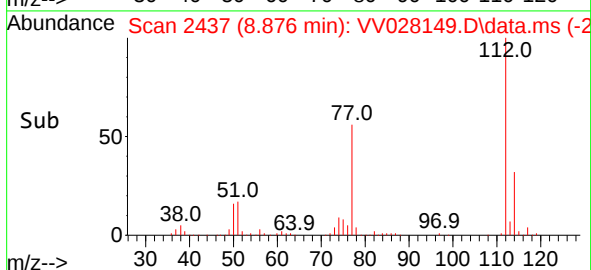
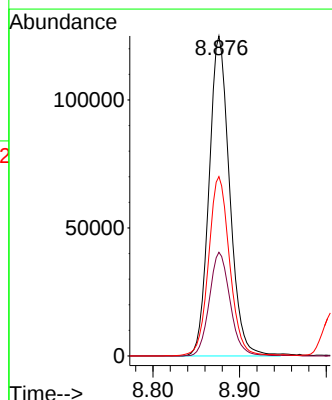
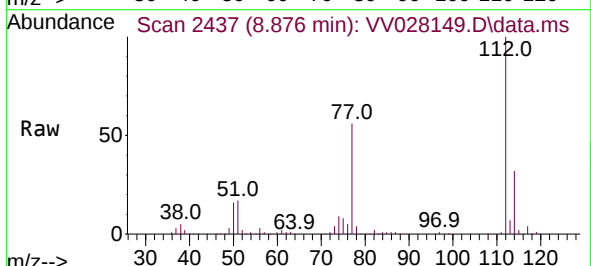
Tgt Ion:112 Resp: 206546

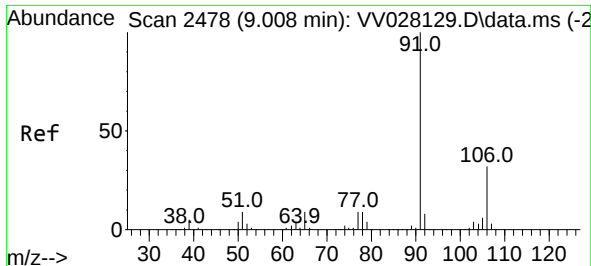
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

77 56.0 46.1 69.1

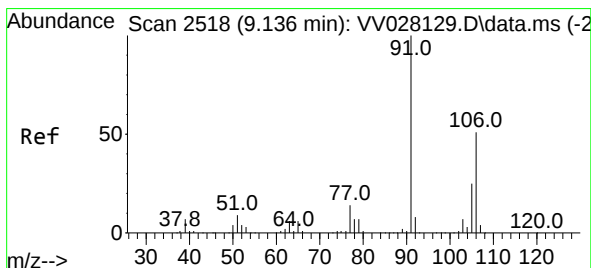
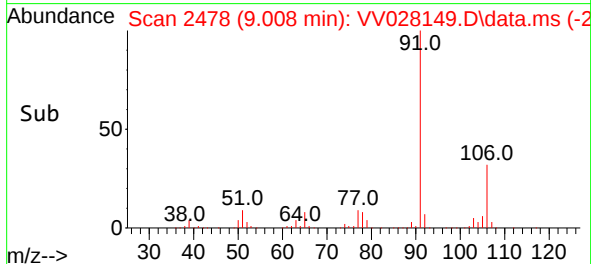
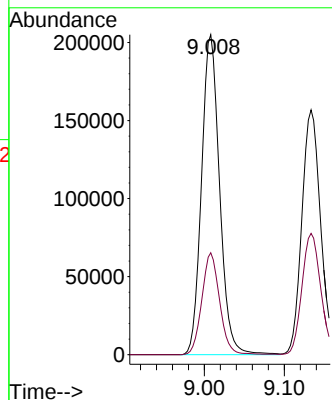
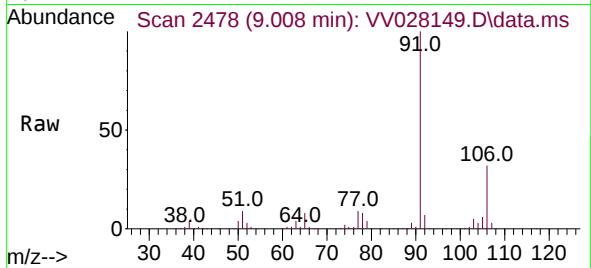




#52  
Ethylbenzene  
Concen: 5.821 ug/L  
RT: 9.008 min Scan# 2478  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

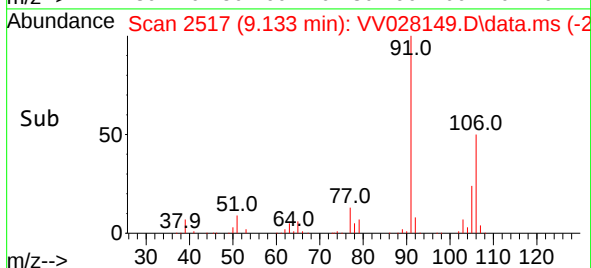
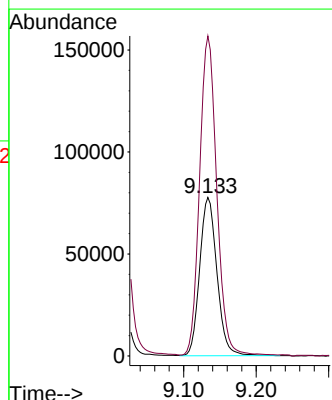
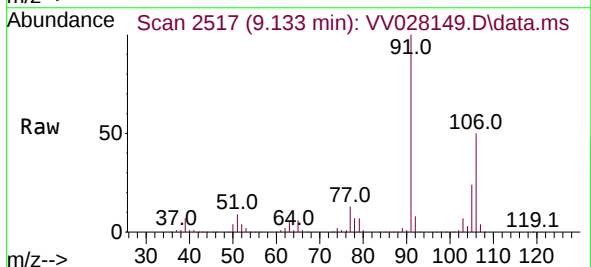
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

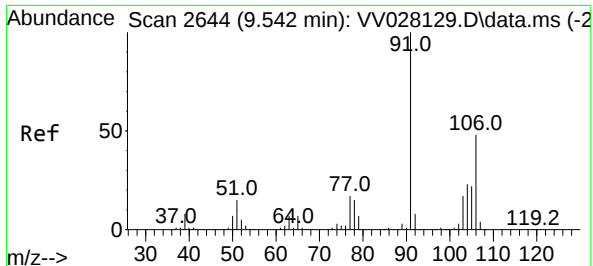
Tgt Ion: 91 Resp: 322823  
Ion Ratio Lower Upper  
91 100  
106 31.8 21.5 39.9



#53  
m,p-Xylene  
Concen: 6.045 ug/L  
RT: 9.133 min Scan# 2517  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 106 Resp: 128471  
Ion Ratio Lower Upper  
106 100  
91 201.8 141.9 263.5

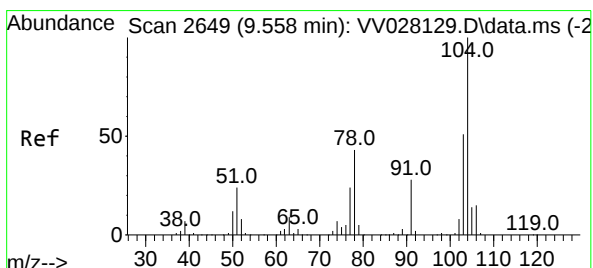
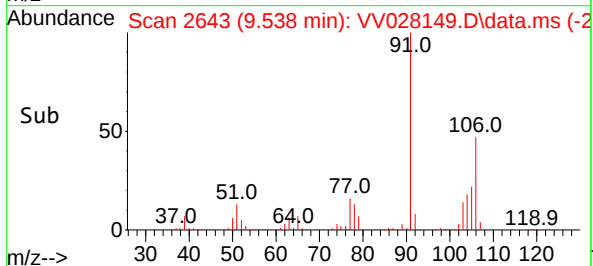
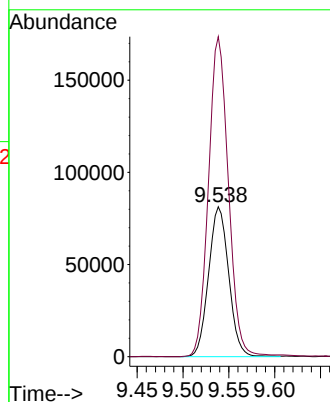
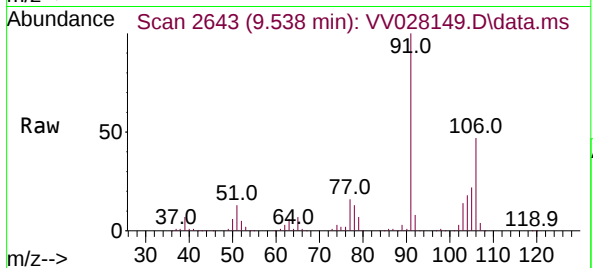




#54  
o-Xylene  
Concen: 5.925 ug/L  
RT: 9.538 min Scan# 2643  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

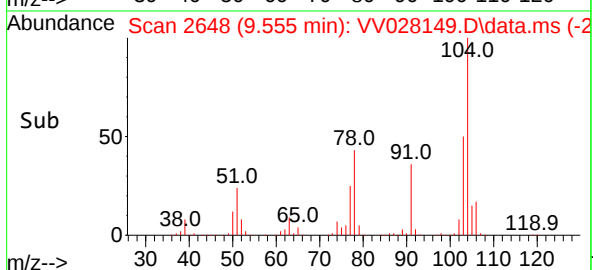
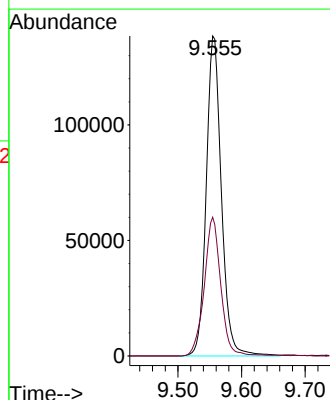
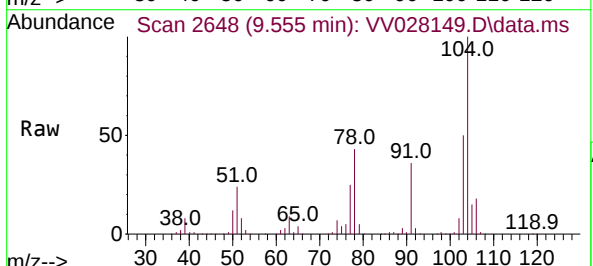
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

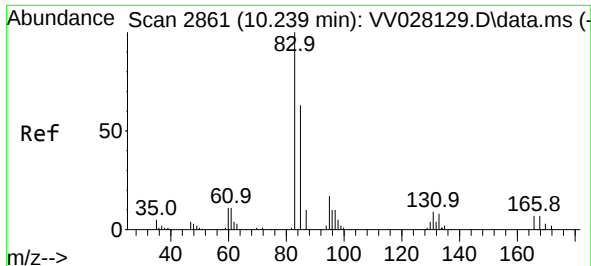
Tgt Ion:106 Resp: 124355  
Ion Ratio Lower Upper  
106 100  
91 213.4 148.1 275.0



#55  
Styrene  
Concen: 6.293 ug/L  
RT: 9.555 min Scan# 2648  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion:104 Resp: 228849  
Ion Ratio Lower Upper  
104 100  
78 43.3 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.899 ug/L

RT: 10.236 min Scan# 2861

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

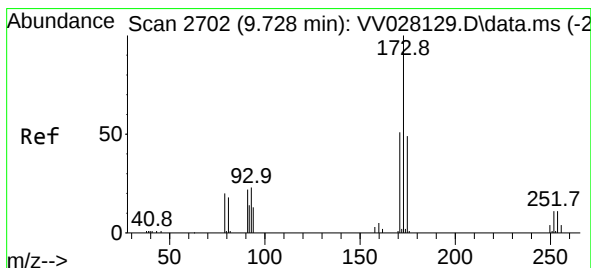
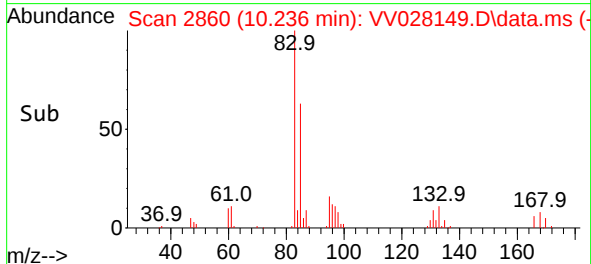
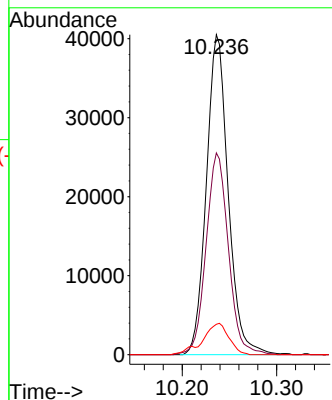
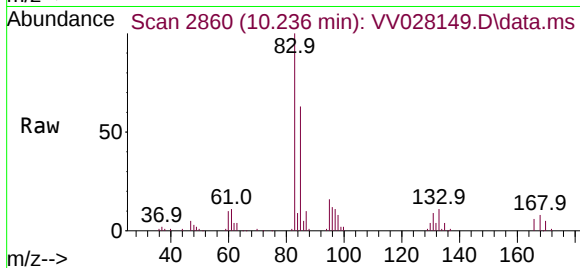
Tgt Ion: 83 Resp: 64902

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

131 9.5 7.8 11.8



#59

Bromoform

Concen: 5.750 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

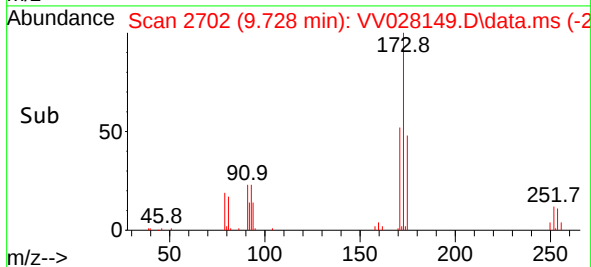
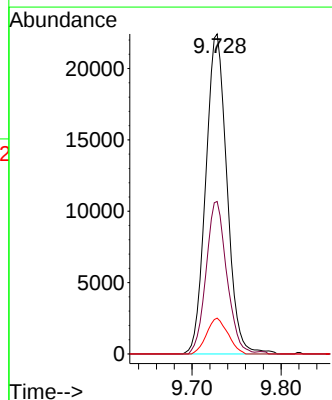
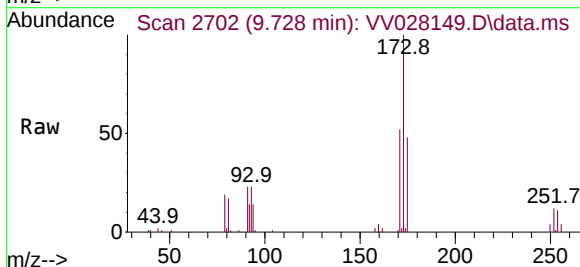
Tgt Ion: 173 Resp: 37018

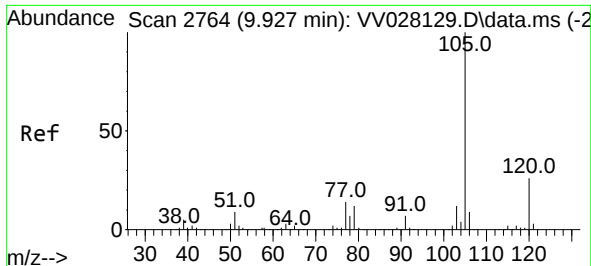
Ion Ratio Lower Upper

173 100

175 46.6 39.0 58.4

254 11.2 8.7 13.1

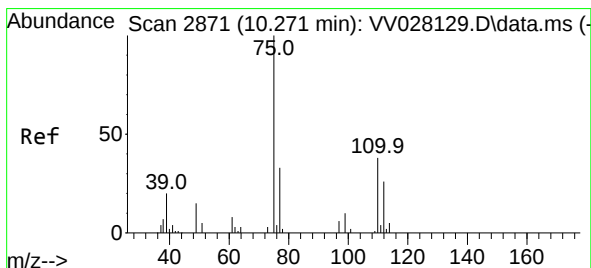
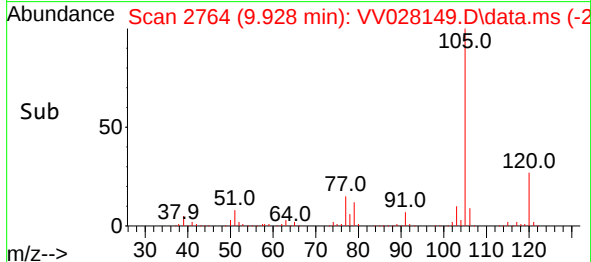
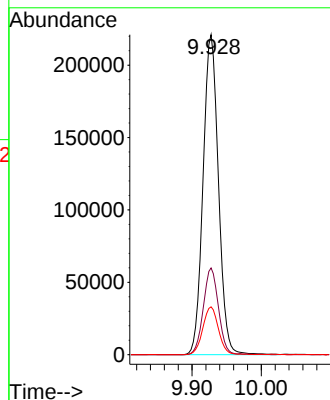
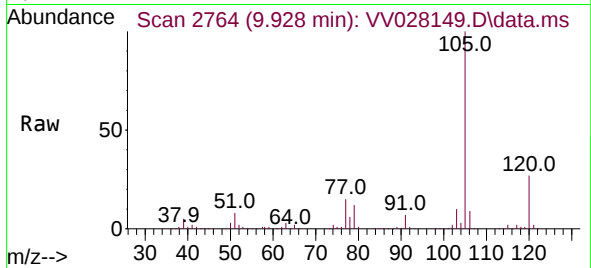




#60  
Isopropylbenzene  
Concen: 5.715 ug/L  
RT: 9.928 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

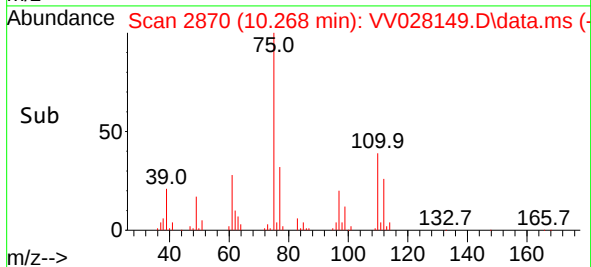
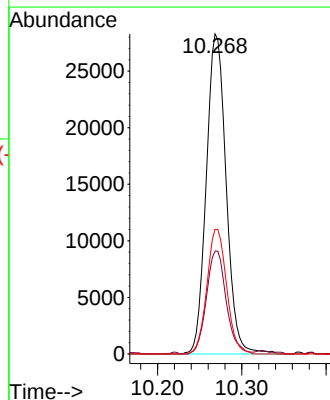
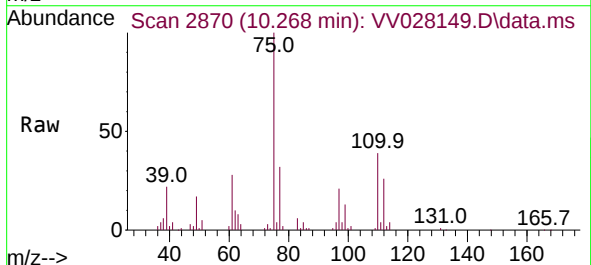
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005307

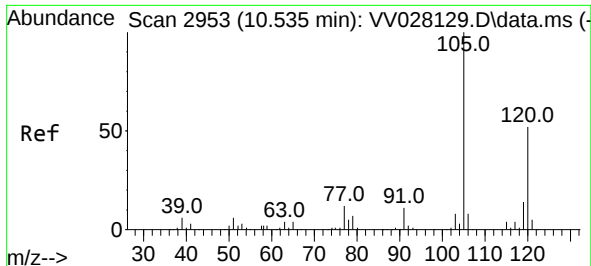
Tgt Ion:105 Resp: 340191  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.4 32.0  
77 15.2 12.2 18.4



#61  
1,2,3-Trichloropropane  
Concen: 5.458 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. -0.003 min  
Lab File: VV028149.D  
Acq: 28 Sep 2022 09:57

Tgt Ion: 75 Resp: 46419  
Ion Ratio Lower Upper  
75 100  
77 32.2 26.7 40.1  
110 38.6 30.1 45.1





#62

1,3,5-Trimethylbenzene

Concen: 5.376 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

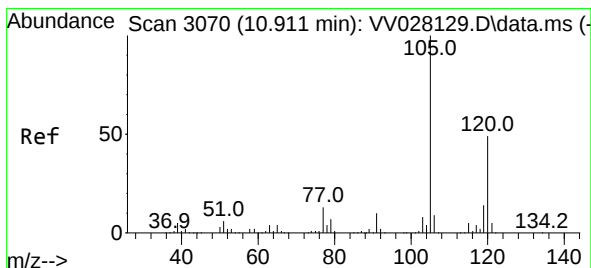
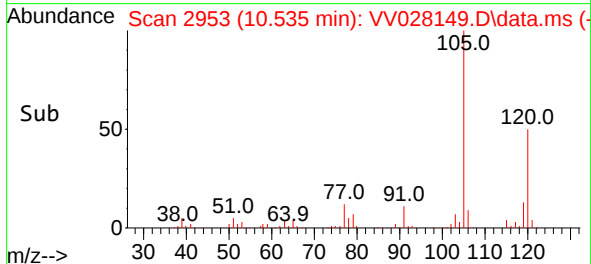
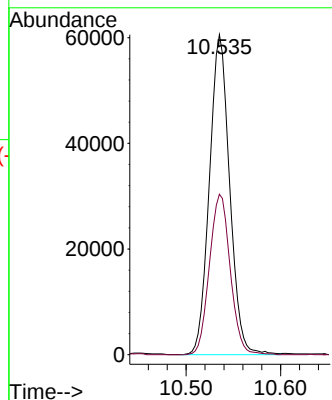
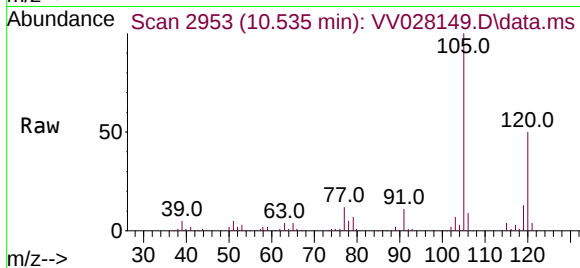
VSTD005307

Tgt Ion:105 Resp: 90134

Ion Ratio Lower Upper

105 100

120 51.5 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 5.659 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV028149.D

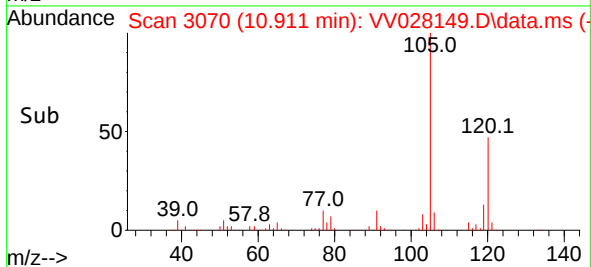
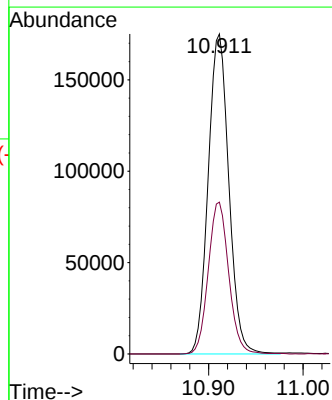
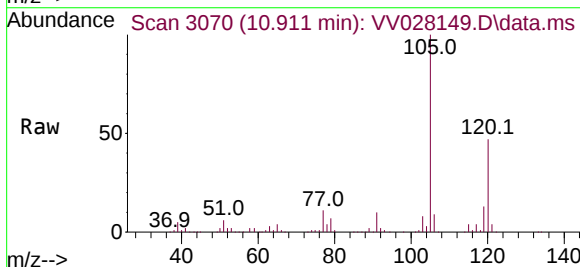
Acq: 28 Sep 2022 09:57

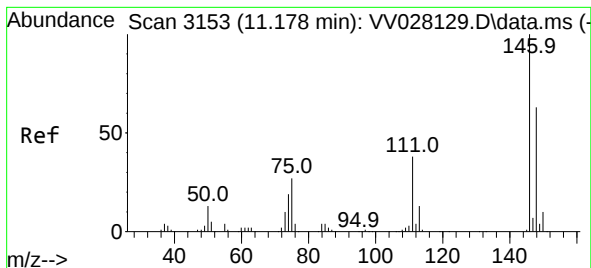
Tgt Ion:105 Resp: 265214

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8





#64

1,3-Dichlorobenzene

Concen: 5.975 ug/L

RT: 11.175 min Scan# 3153

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

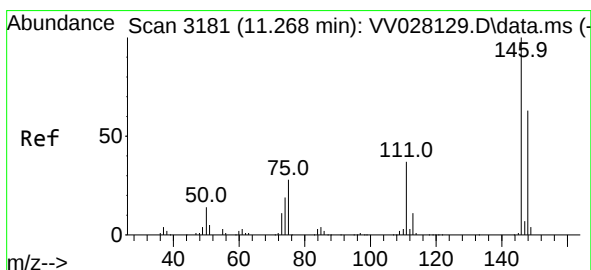
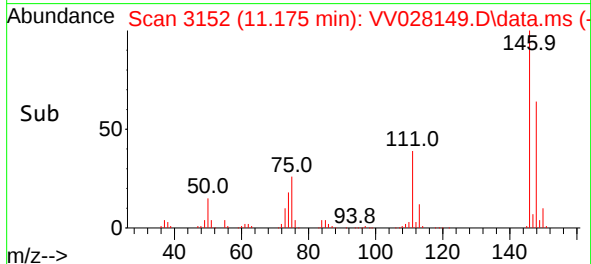
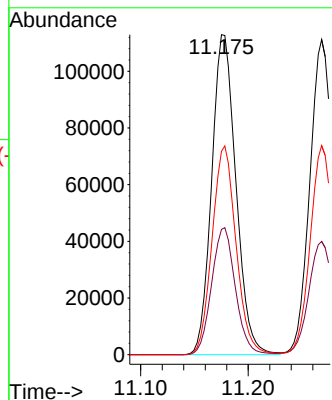
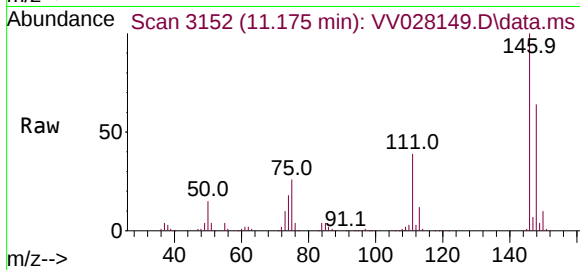
Tgt Ion:146 Resp: 176968

Ion Ratio Lower Upper

146 100

111 39.2 27.1 50.3

148 63.6 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 5.910 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

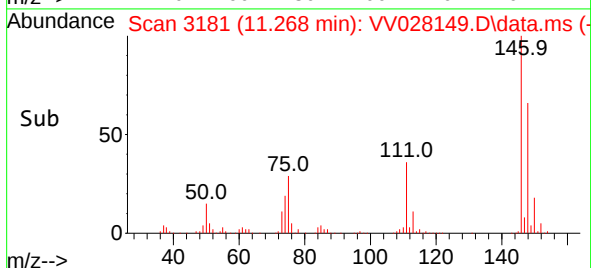
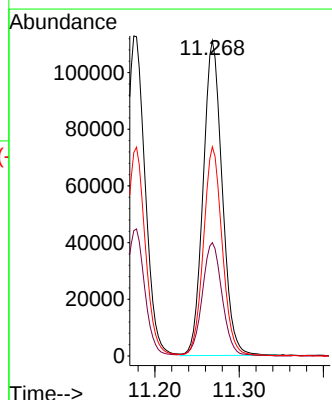
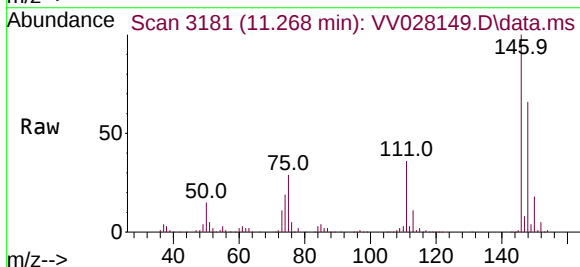
Tgt Ion:146 Resp: 175150

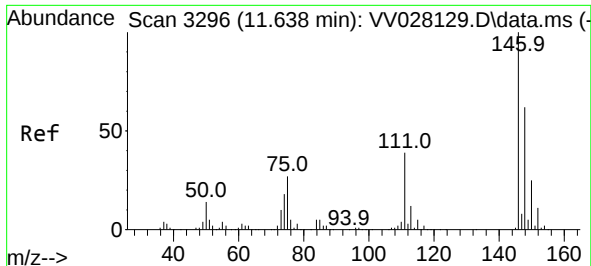
Ion Ratio Lower Upper

146 100

111 35.9 26.2 48.8

148 66.4 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.793 ug/L

RT: 11.638 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

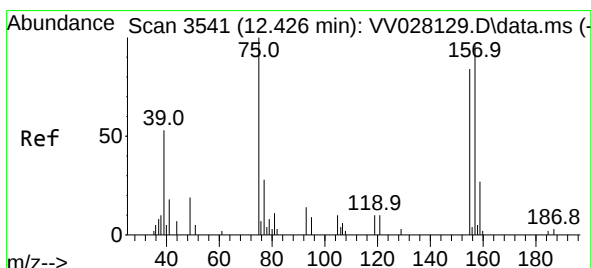
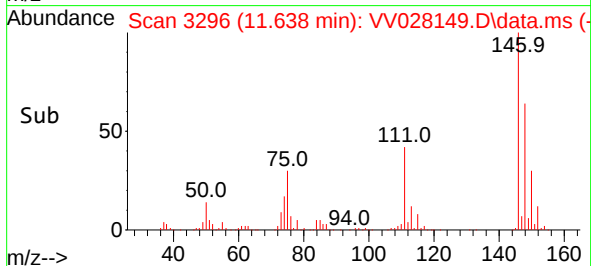
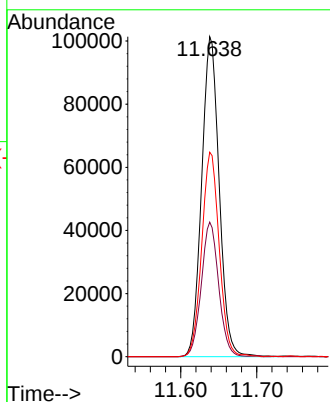
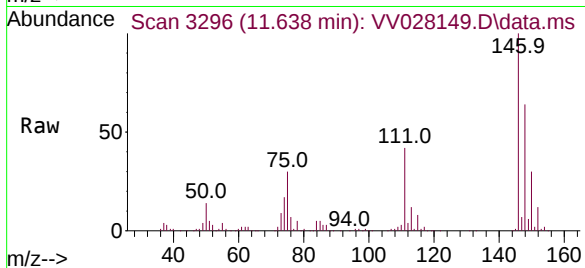
Tgt Ion:146 Resp: 162091

Ion Ratio Lower Upper

146 100

111 42.0 32.6 49.0

148 63.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.277 ug/L

RT: 12.423 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

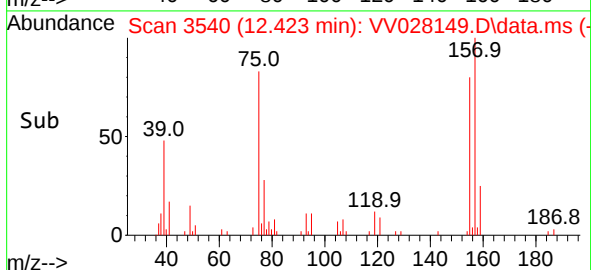
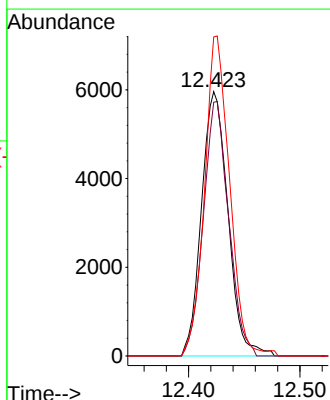
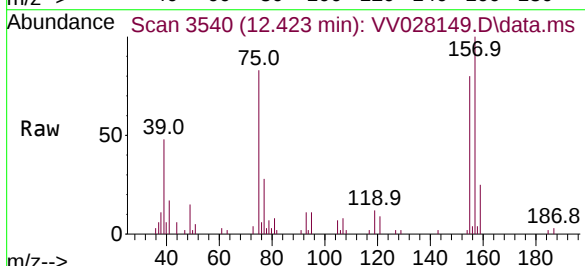
Tgt Ion: 75 Resp: 9839

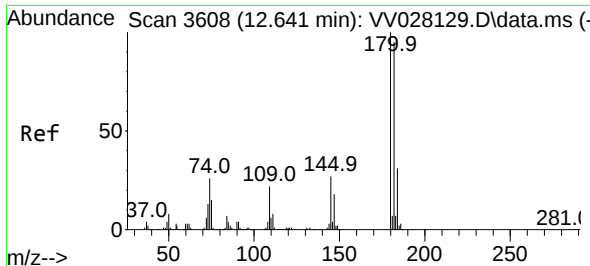
Ion Ratio Lower Upper

75 100

155 96.1 73.6 110.4

157 120.7 90.7 136.1

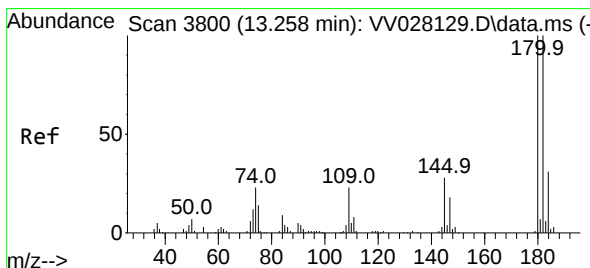
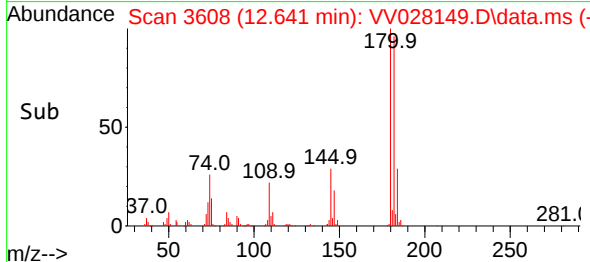
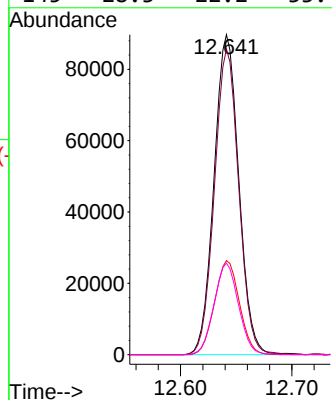
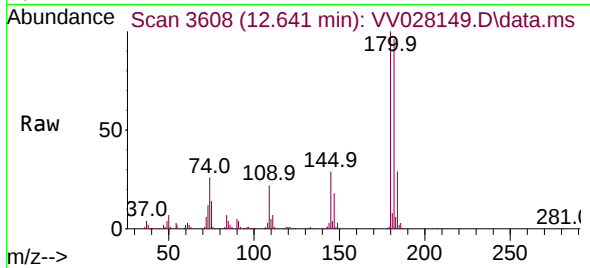




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.900 ug/L  
 RT: 12.641 min Scan# 30  
 Delta R.T. 0.000 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

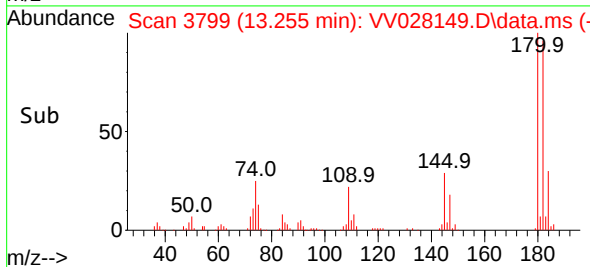
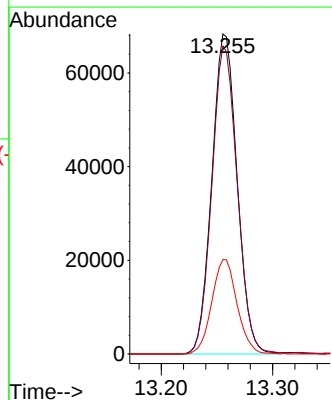
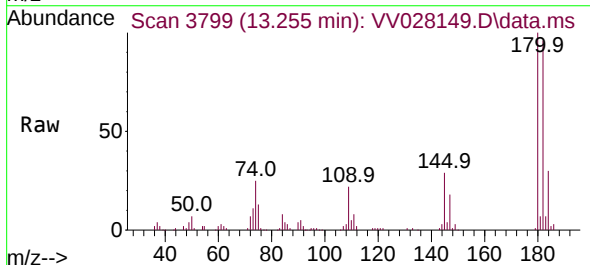
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

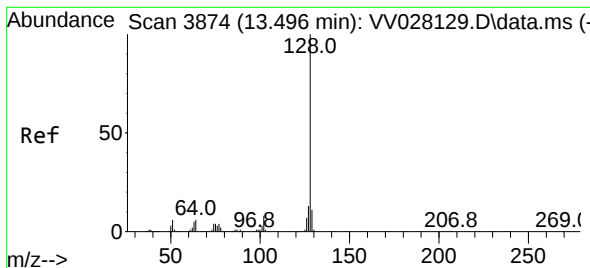
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 138317     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.1  | 75.5 113.3 |
| 184         | 29.6  | 23.7 35.5  |
| 145         | 28.3  | 22.2 33.4  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.746 ug/L  
 RT: 13.255 min Scan# 3799  
 Delta R.T. -0.003 min  
 Lab File: VV028149.D  
 Acq: 28 Sep 2022 09:57

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 107733     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.6  | 76.3 114.5 |
| 145         | 29.5  | 22.9 34.3  |





#71

Naphthalene

Concen: 5.103 ug/L

RT: 13.496 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005307

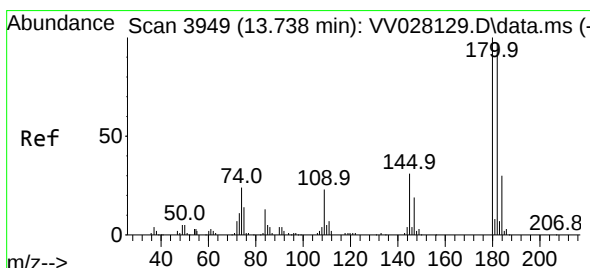
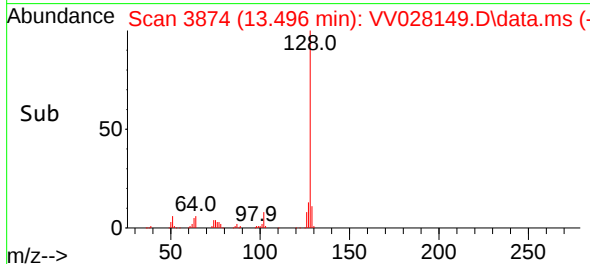
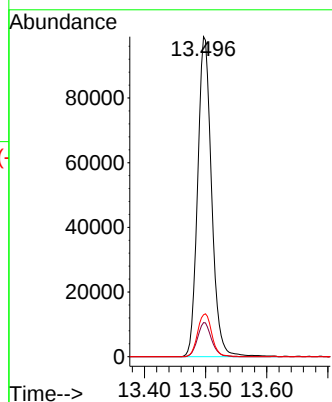
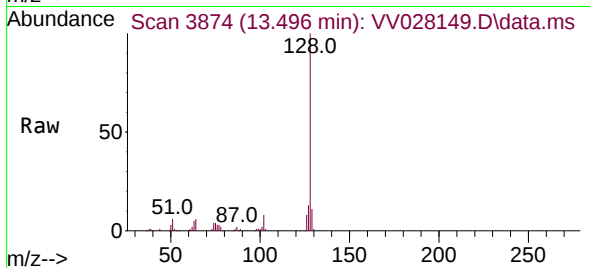
Tgt Ion:128 Resp: 156665

Ion Ratio Lower Upper

128 100

129 10.6 8.2 12.2

127 13.7 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.690 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.003 min

Lab File: VV028149.D

Acq: 28 Sep 2022 09:57

Tgt Ion:180 Resp: 96495

Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

145 29.8 24.6 36.8

