

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102022\  
 Data File : VW028630.D  
 Acq On : 20 Oct 2022 12:01  
 Operator : SY/MD  
 Sample : VSTD00566  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

Quant Time: Oct 20 23:11:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 20 23:10:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.603  | 114  | 226505   | 5.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117  | 156540   | 5.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152  | 80399    | 5.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.294  | 65   | 119757   | 5.835  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.558  | 69   | 91145    | 5.485  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.095  | 63   | 206885   | 5.604  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.957  | 46   | 221453   | 53.054 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.333  | 84   | 175505   | 5.669  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65   | 92359    | 5.820  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.030  | 84   | 366690   | 6.788  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.056  | 67   | 135952   | 7.483  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.300  | 98   | 252085   | 6.037  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.612  | 79   | 22771    | 4.266  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.104  | 63   | 103549   | 45.135 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84   | 52605    | 5.387  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.615 | 152  | 73758    | 5.443  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.124  | 85   | 54644    | 4.295  | ug/L  | 100      |
| 3) Chloromethane              | 1.230  | 50   | 107250   | 4.953  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.301  | 62   | 109614   | 5.124  | ug/L  | 100      |
| 6) Bromomethane               | 1.513  | 94   | 48850    | 5.026  | ug/L  | 100      |
| 8) Chloroethane               | 1.574  | 64   | 70949    | 5.076  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.741  | 101  | 131360   | 5.031  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.105  | 101  | 80378    | 5.165  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.105  | 96   | 71689    | 4.980  | ug/L  | 100      |
| 13) Acetone                   | 2.243  | 43   | 126702   | 42.926 | ug/L  | 95       |
| 14) Carbon disulfide          | 2.278  | 76   | 175124   | 4.478  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.452  | 43   | 38653    | 5.600  | ug/L  | 100      |
| 16) Methylene chloride        | 2.494  | 84   | 92414    | 4.589  | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 2.773  | 73   | 203335   | 5.516  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 2.744  | 96   | 78088    | 5.210  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.175  | 63   | 188134   | 5.509  | ug/L  | 100      |
| 21) 2-Butanone                | 4.037  | 43   | 243030   | 56.234 | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 3.895  | 96   | 91220    | 5.358  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.233  | 128  | 32295    | 4.978  | ug/L  | 100      |
| 25) Chloroform                | 4.362  | 83   | 177695   | 5.487  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 111231   | 5.789  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.587  | 97   | 136153   | 6.058  | ug/L  | 100      |
| 30) Cyclohexane               | 4.648  | 56   | 159765   | 6.168  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.805  | 117  | 104794   | 6.028  | ug/L  | 100      |
| 33) Benzene                   | 5.079  | 78   | 377874   | 6.436  | ug/L  | 100      |
| 34) Trichloroethene           | 5.892  | 95   | 94248    | 6.483  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.101  | 83   | 157613   | 6.518  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.159  | 63   | 106731   | 6.804  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.493  | 83   | 97731    | 5.782  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.014  | 75   | 103134   | 5.350  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.246  | 43   | 469747   | 58.829 | ug/L  | 100      |
| 42) Toluene                   | 7.371  | 91   | 295731   | 5.547  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.641  | 75   | 64678    | 4.598  | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102022\  
 Data File : VV028630.D  
 Acq On : 20 Oct 2022 12:01  
 Operator : SY/MD  
 Sample : VSTD00566  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

Quant Time: Oct 20 23:11:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 20 23:10:31 2022  
 Response via : Initial Calibration

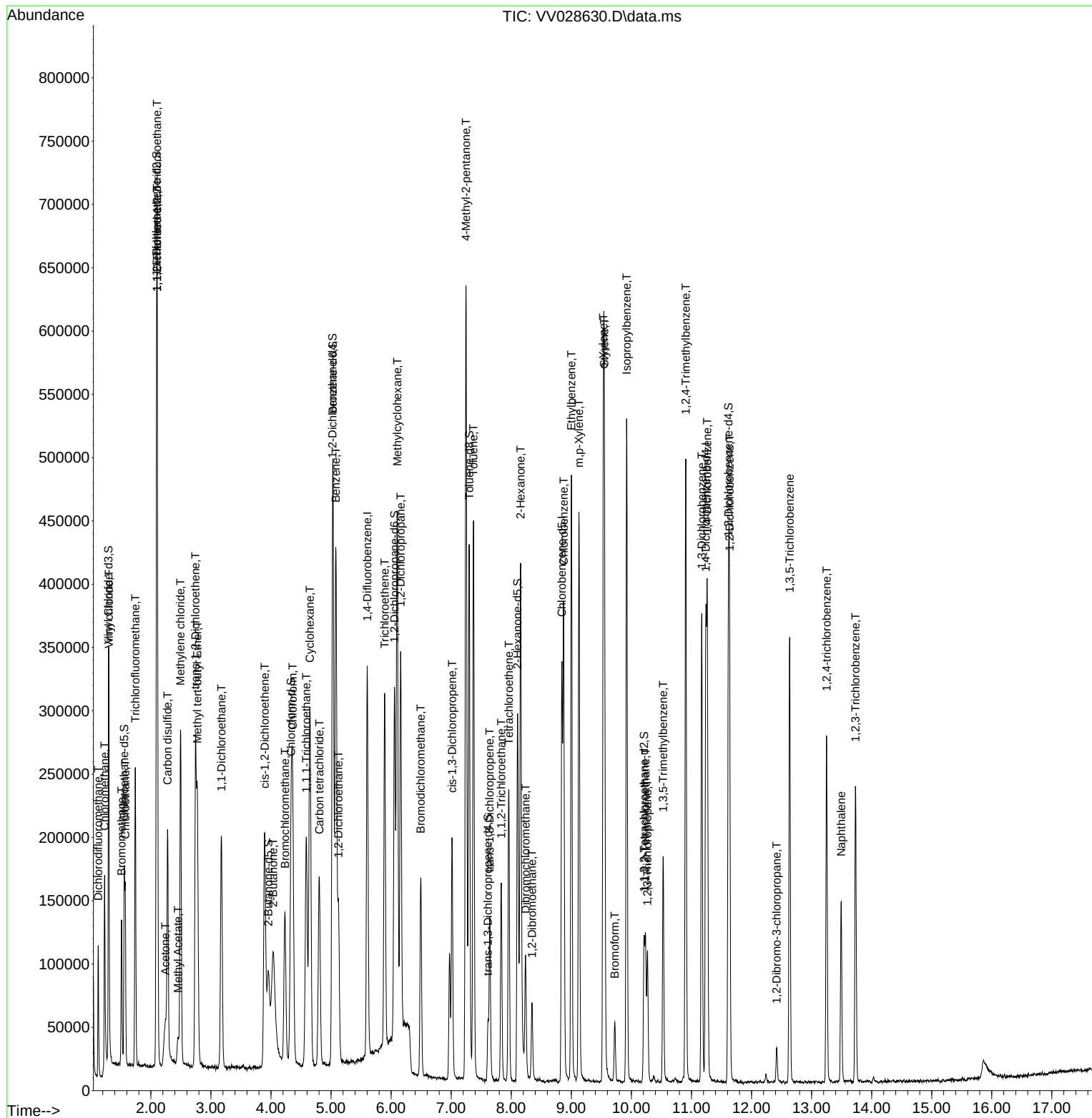
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 43609    | 5.444  | ug/L  | 100      |
| 47) Tetrachloroethene         | 7.960  | 164  | 45848    | 5.236  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.156  | 43   | 290607   | 53.877 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.239  | 129  | 42135    | 5.031  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.345  | 107  | 38563    | 5.468  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.873  | 112  | 179011   | 5.433  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.001  | 91   | 313840   | 5.350  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.127  | 106  | 117645   | 5.340  | ug/L  | 100      |
| 54) o-Xylene                  | 9.532  | 106  | 113842   | 5.372  | ug/L  | 100      |
| 55) Styrene                   | 9.551  | 104  | 199114   | 5.500  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 55193    | 5.544  | ug/L  | 100      |
| 59) Bromoform                 | 9.722  | 173  | 18629    | 4.629  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.921  | 105  | 317441   | 5.298  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 40264    | 5.429  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 89193    | 5.004  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 252378   | 5.161  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 132114   | 5.232  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 130608   | 5.257  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 120665   | 5.308  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 6702     | 4.580  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 93158    | 5.108  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 72047    | 5.165  | ug/L  | 100      |
| 71) Naphthalene               | 13.493 | 128  | 105520   | 5.087  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 63851    | 5.486  | ug/L  | 100      |
| -----                         |        |      |          |        |       |          |

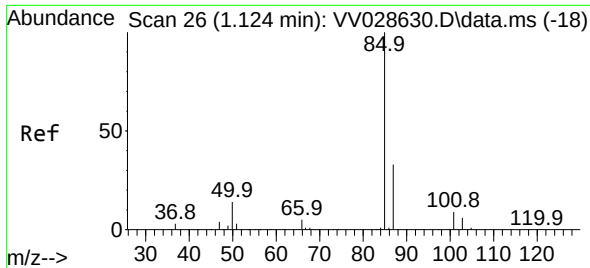
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102022\  
 Data File : VV028630.D  
 Acq On : 20 Oct 2022 12:01  
 Operator : SY/MD  
 Sample : VSTD00566  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

Quant Time: Oct 20 23:11:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 20 23:10:31 2022  
 Response via : Initial Calibration

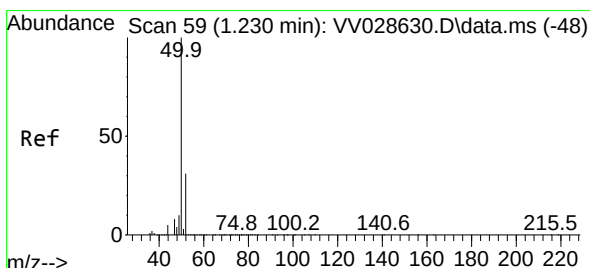
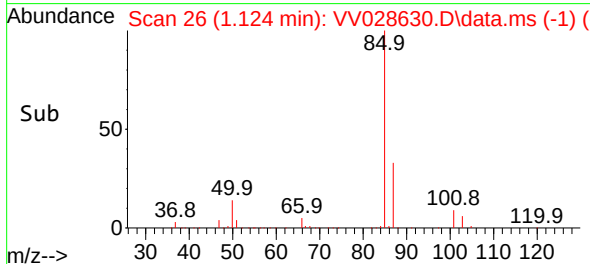
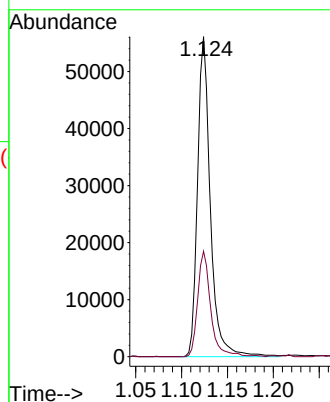
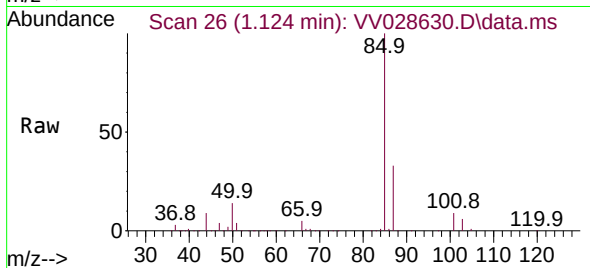




#2  
 Dichlorodifluoromethane  
 Concen: 4.295 ug/L  
 RT: 1.124 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

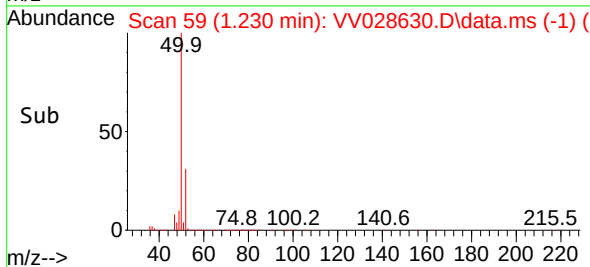
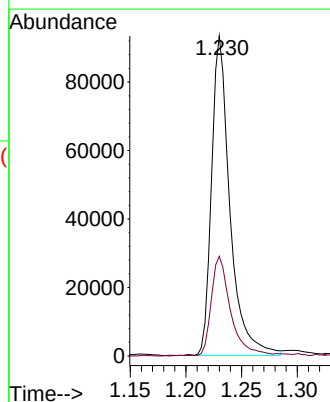
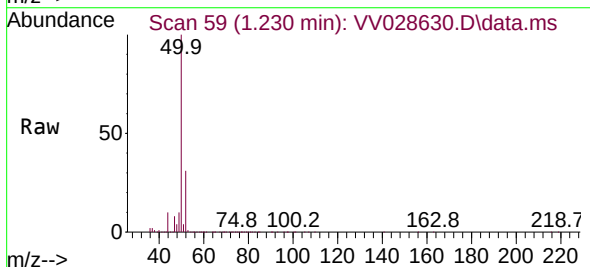
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

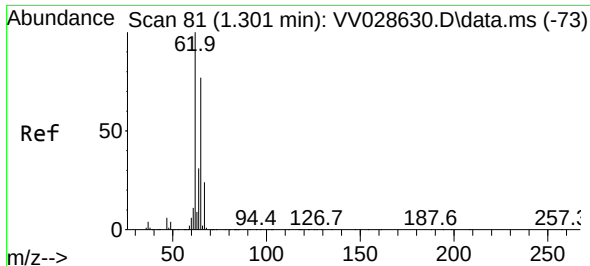
Tgt Ion: 85 Resp: 54644  
 Ion Ratio Lower Upper  
 85 100  
 87 33.3 26.6 40.0



#3  
 Chloromethane  
 Concen: 4.953 ug/L  
 RT: 1.230 min Scan# 59  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion: 50 Resp: 107250  
 Ion Ratio Lower Upper  
 50 100  
 52 31.2 21.8 40.6

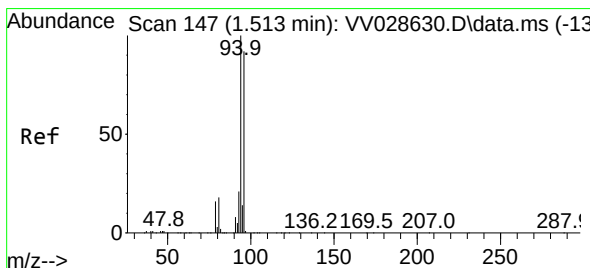
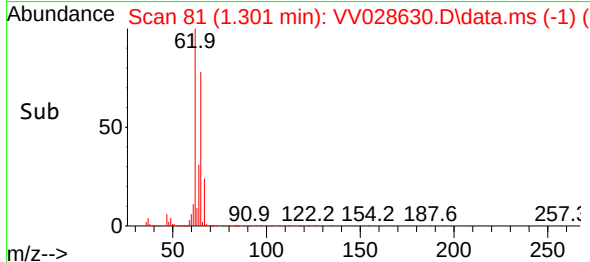
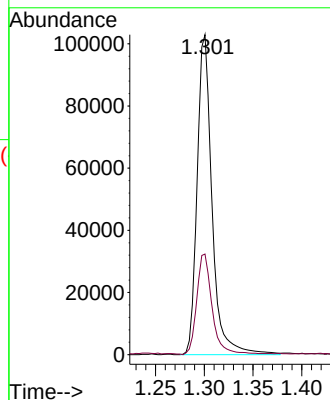
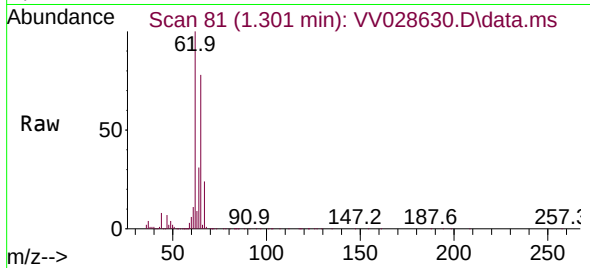




#5  
 Vinyl chloride  
 Concen: 5.124 ug/L  
 RT: 1.301 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

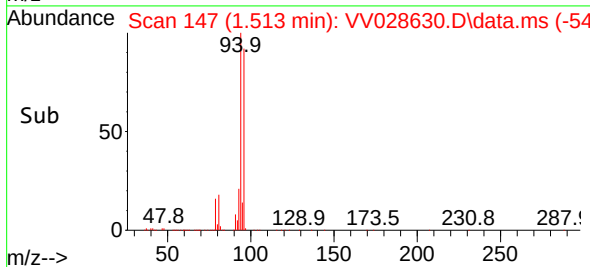
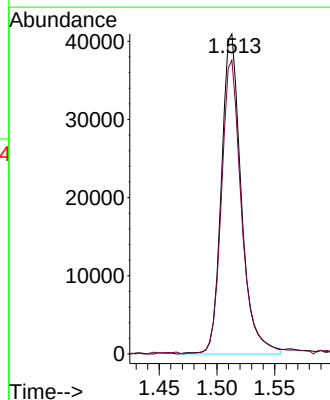
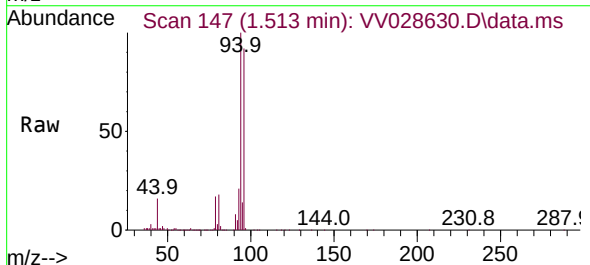
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

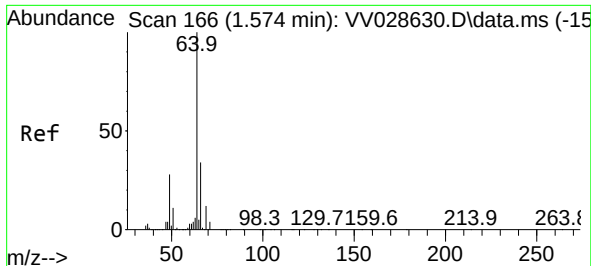
Tgt Ion: 62 Resp: 109614  
 Ion Ratio Lower Upper  
 62 100  
 64 31.5 22.0 41.0



#6  
 Bromomethane  
 Concen: 5.026 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion: 94 Resp: 48850  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 64.3 119.3

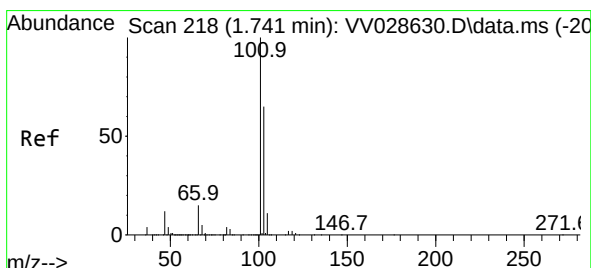
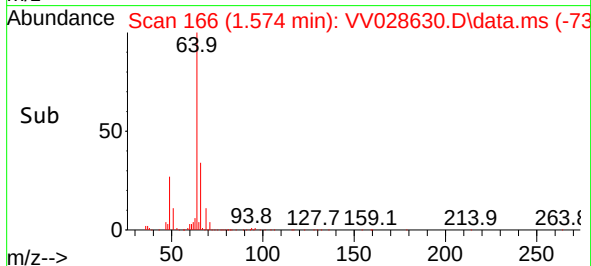
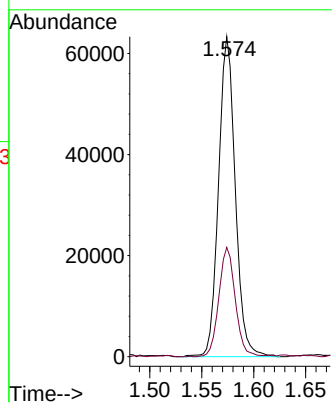
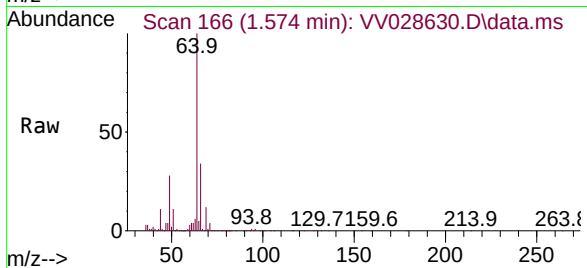




#8  
Chloroethane  
Concen: 5.076 ug/L  
RT: 1.574 min Scan# 166  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

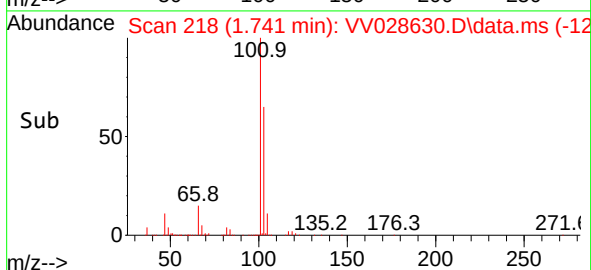
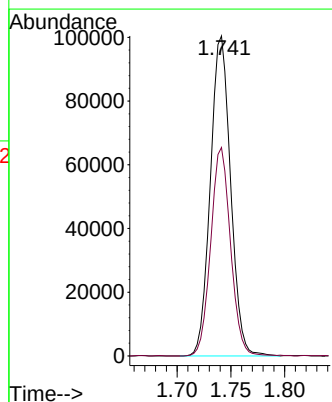
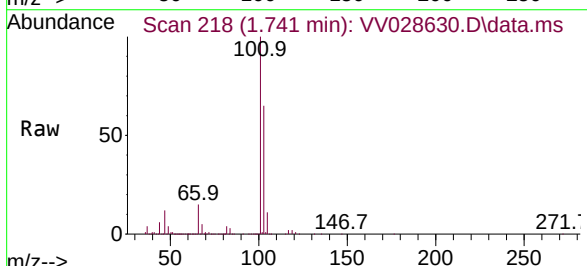
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

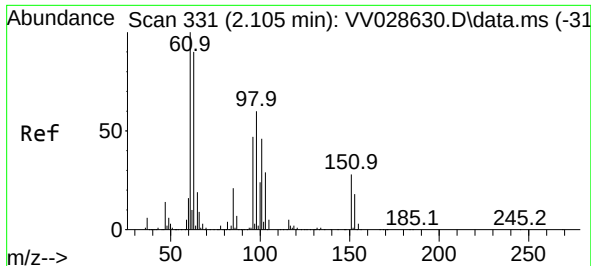
Tgt Ion: 64 Resp: 70949  
Ion Ratio Lower Upper  
64 100  
66 34.2 23.9 44.5



#9  
Trichlorofluoromethane  
Concen: 5.031 ug/L  
RT: 1.741 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 101 Resp: 131360  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.0 76.6

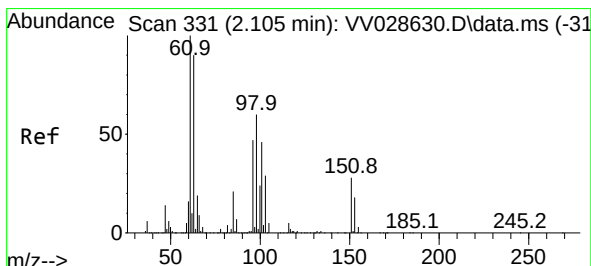
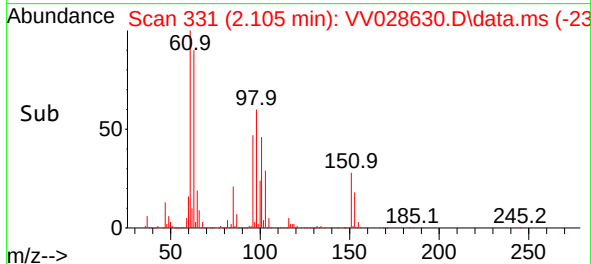
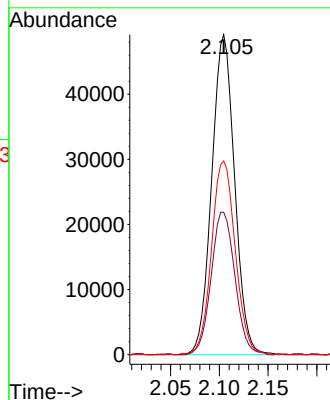
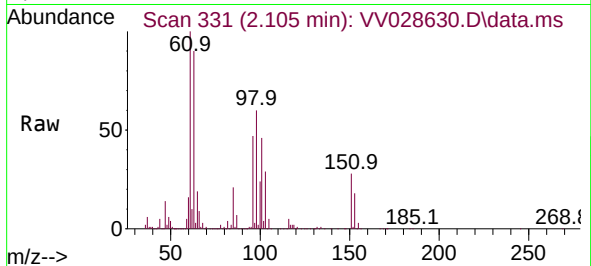




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.165 ug/L  
 RT: 2.105 min Scan# 331  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

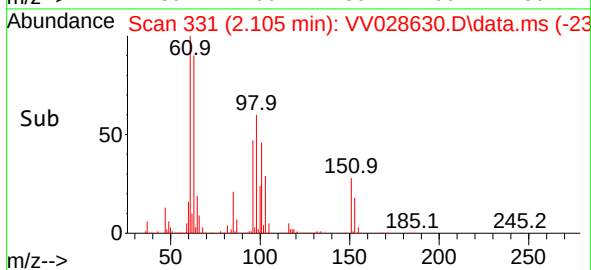
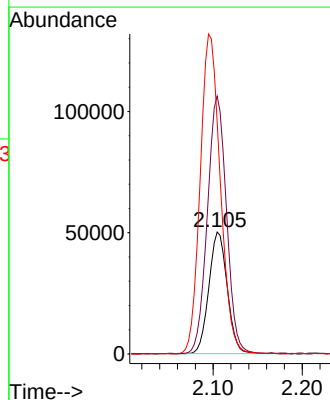
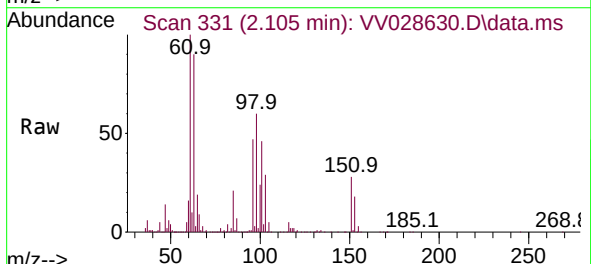
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

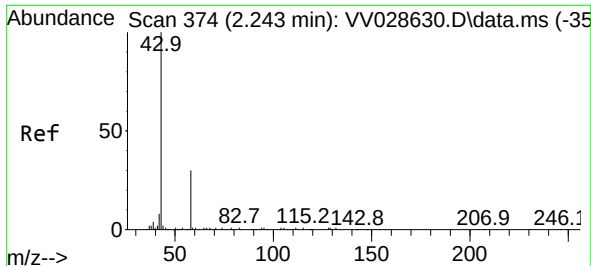
Tgt Ion:101 Resp: 80378  
 Ion Ratio Lower Upper  
 101 100  
 85 46.3 37.0 55.6  
 151 62.7 50.2 75.2



#12  
 1,1-Dichloroethene  
 Concen: 4.980 ug/L  
 RT: 2.105 min Scan# 331  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion: 96 Resp: 71689  
 Ion Ratio Lower Upper  
 96 100  
 61 211.6 148.1 275.1  
 63 190.5 133.3 247.7

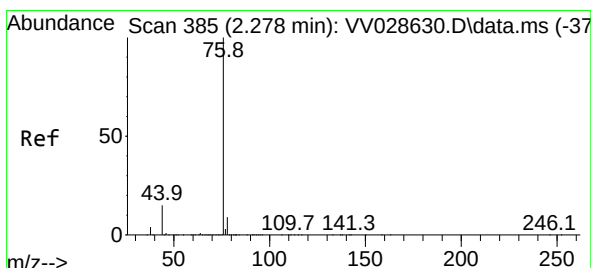
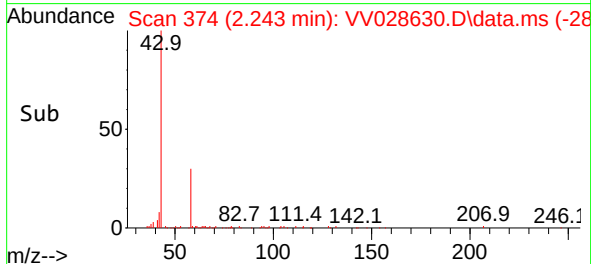
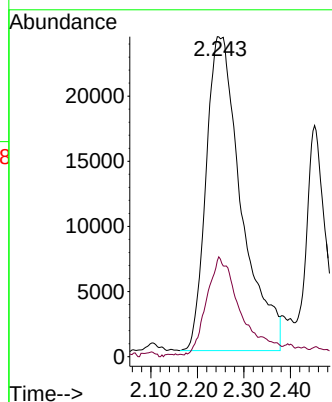
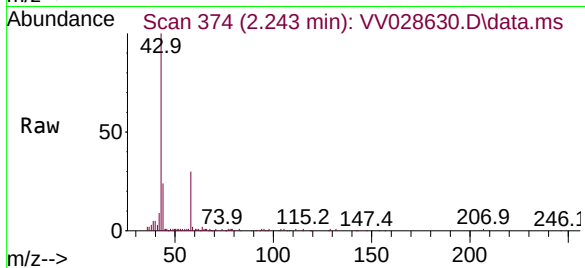




#13  
Acetone  
Concen: 42.926 ug/L  
RT: 2.243 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

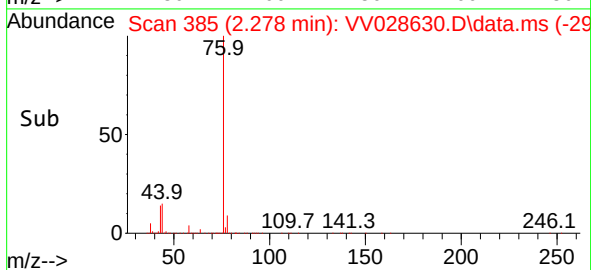
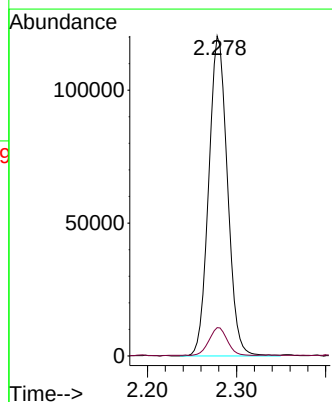
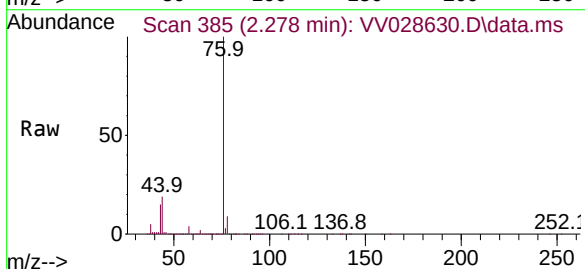
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

Tgt Ion: 43 Resp: 126702  
Ion Ratio Lower Upper  
43 100  
58 27.4 0.0 50.2

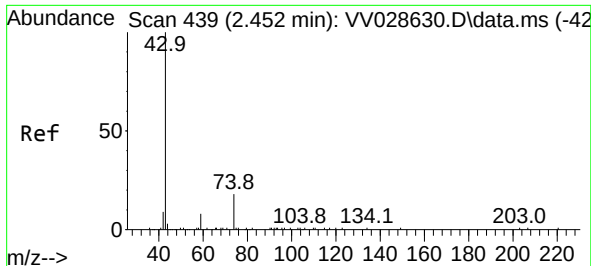


#14  
Carbon disulfide  
Concen: 4.478 ug/L  
RT: 2.278 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 76 Resp: 175124  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.1 10.7



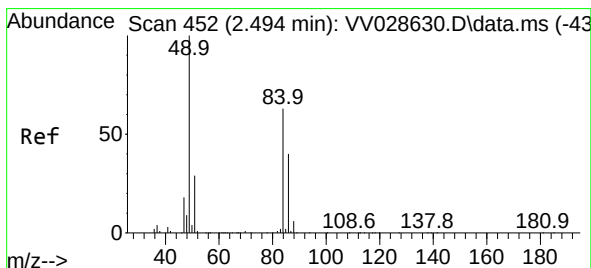
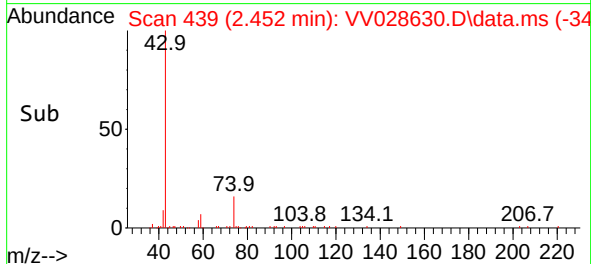
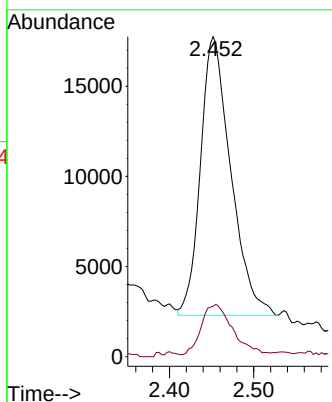
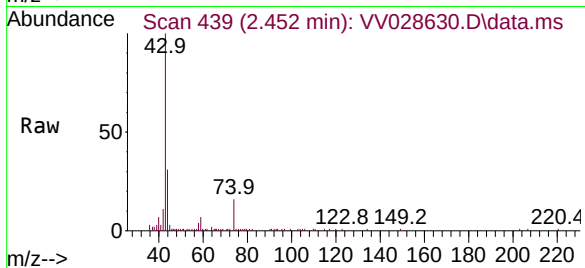




#15  
Methyl Acetate  
Concen: 5.600 ug/L  
RT: 2.452 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

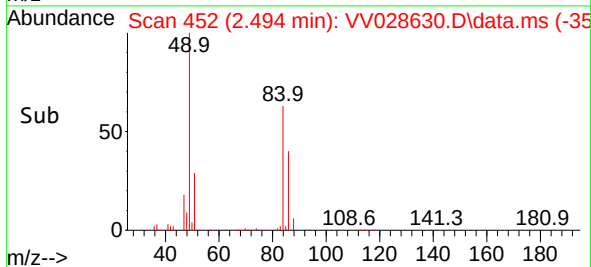
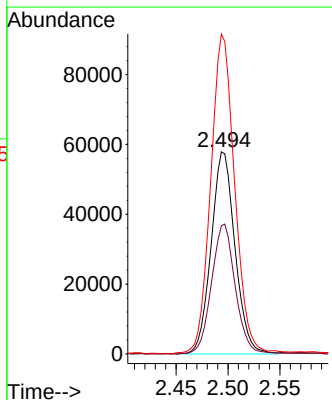
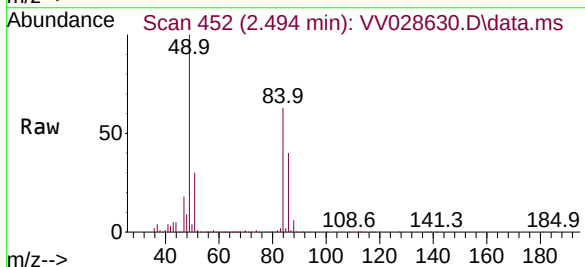
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

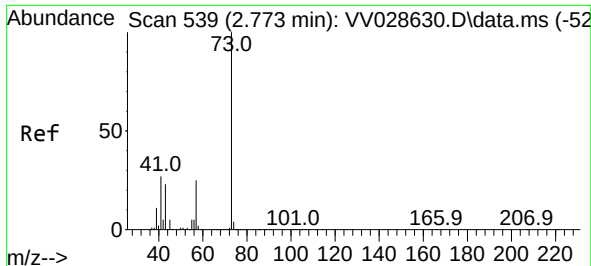
Tgt Ion: 43 Resp: 38653  
Ion Ratio Lower Upper  
43 100  
74 18.6 14.9 22.3



#16  
Methylene chloride  
Concen: 4.589 ug/L  
RT: 2.494 min Scan# 452  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 84 Resp: 92414  
Ion Ratio Lower Upper  
84 100  
86 63.4 44.4 82.4  
49 158.3 110.8 205.8

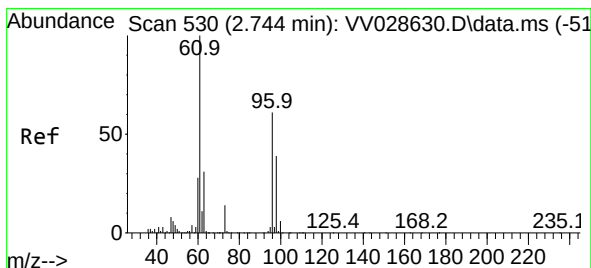
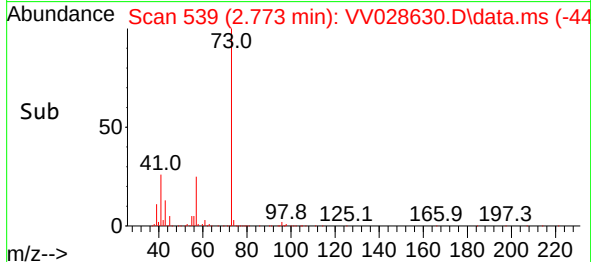
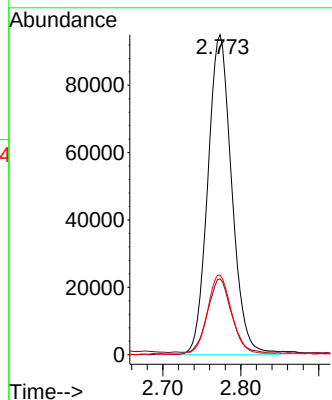
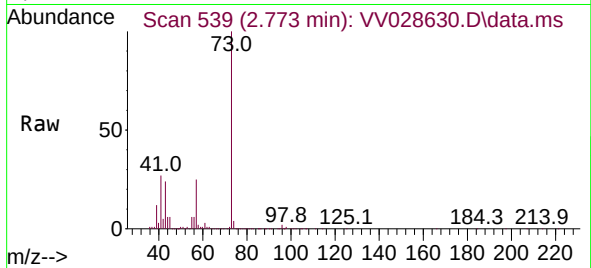




#17  
Methyl tert-butyl Ether  
Concen: 5.516 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

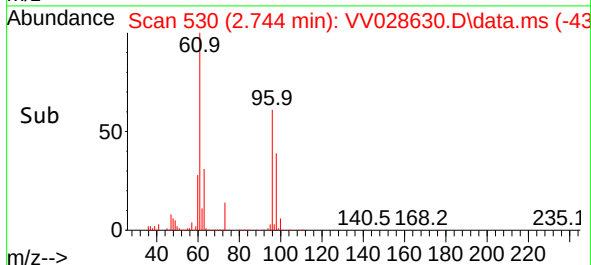
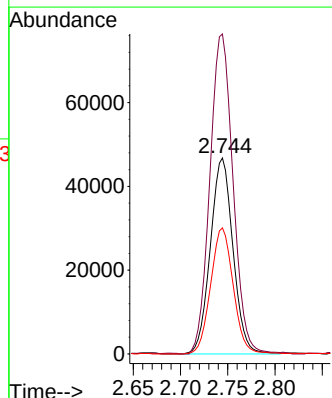
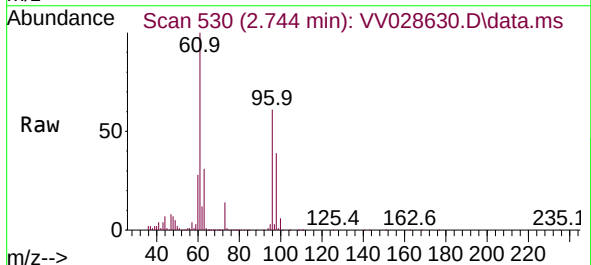
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

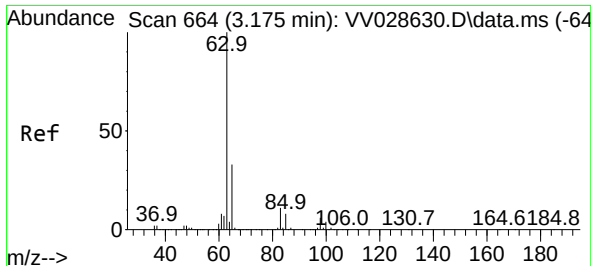
Tgt Ion: 73 Resp: 203335  
Ion Ratio Lower Upper  
73 100  
43 22.5 18.0 27.0  
57 25.0 20.0 30.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.210 ug/L  
RT: 2.744 min Scan# 530  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 96 Resp: 78088  
Ion Ratio Lower Upper  
96 100  
61 163.3 114.3 212.3  
98 64.3 45.0 83.6

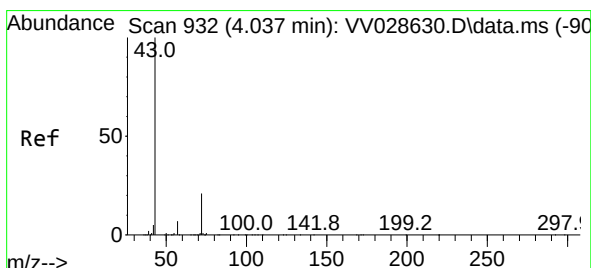
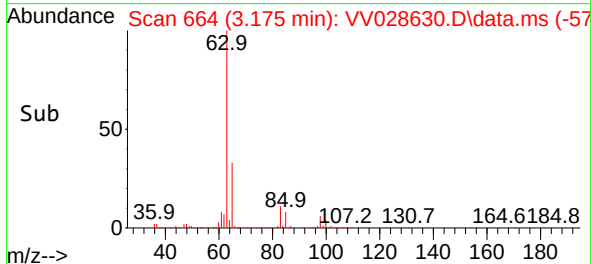
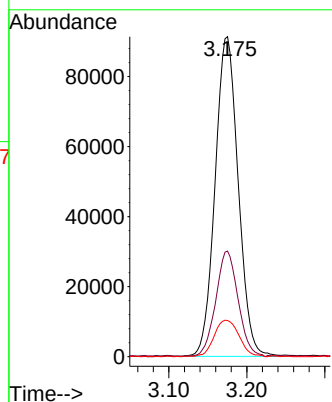
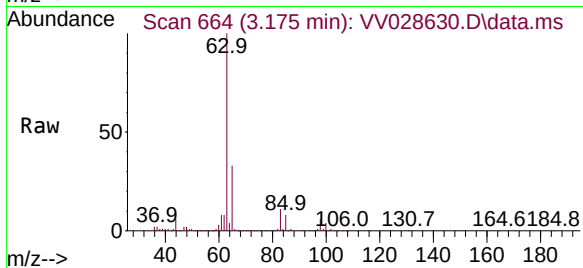




#19  
1,1-Dichloroethane  
Concen: 5.509 ug/L  
RT: 3.175 min Scan# 664  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

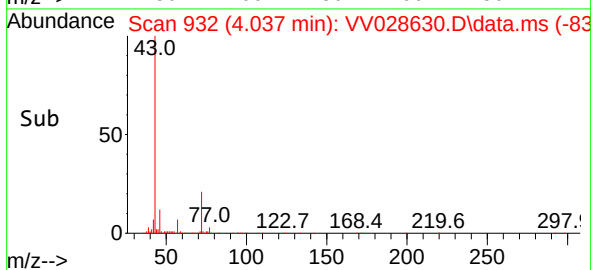
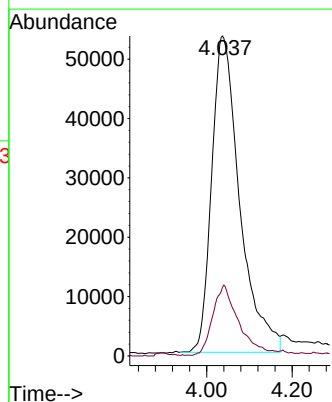
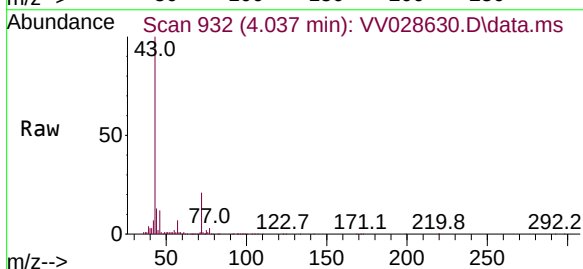
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

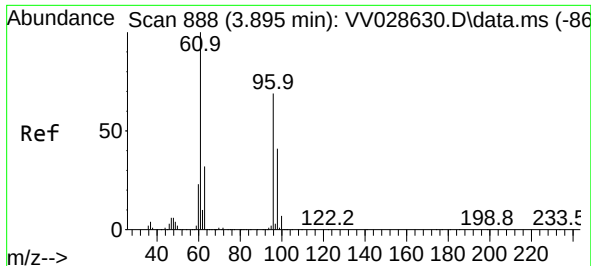
Tgt Ion: 63 Resp: 188134  
Ion Ratio Lower Upper  
63 100  
65 33.0 23.1 42.9  
83 11.3 7.9 14.7



#21  
2-Butanone  
Concen: 56.234 ug/L  
RT: 4.037 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 43 Resp: 243030  
Ion Ratio Lower Upper  
43 100  
72 20.3 10.2 30.4

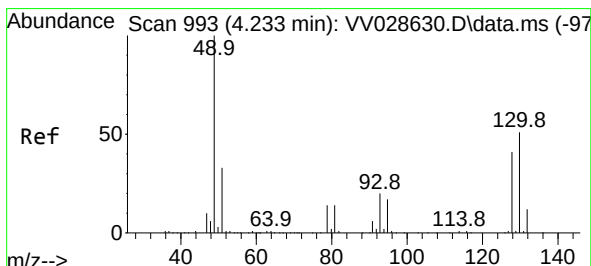
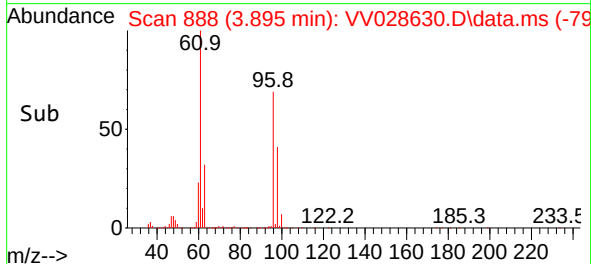
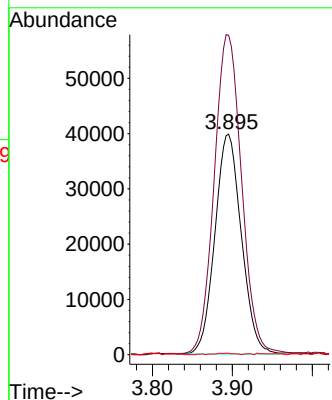
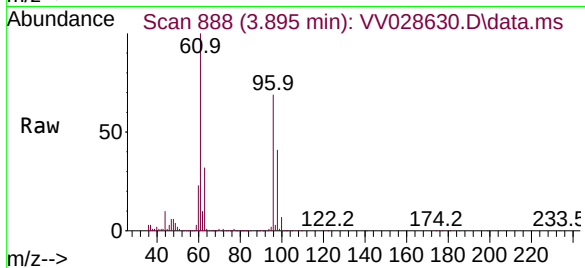




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.358 ug/L  
 RT: 3.895 min Scan# 888  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

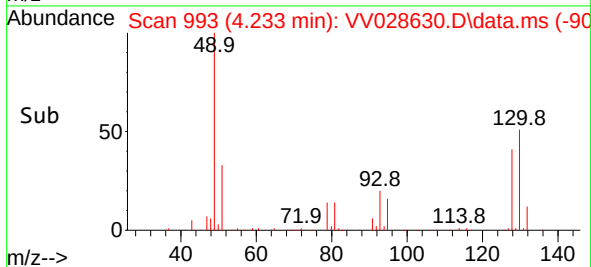
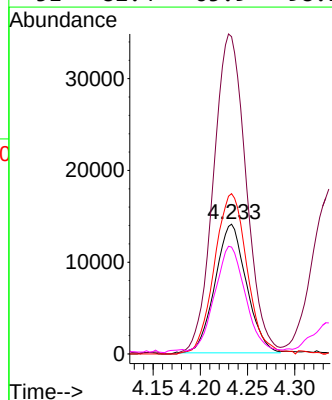
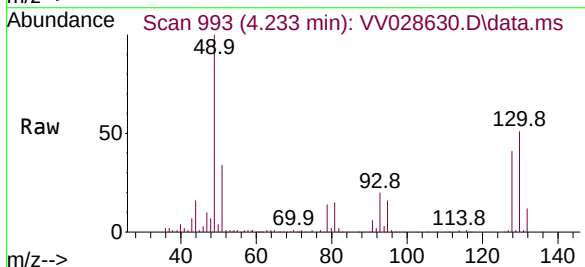
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

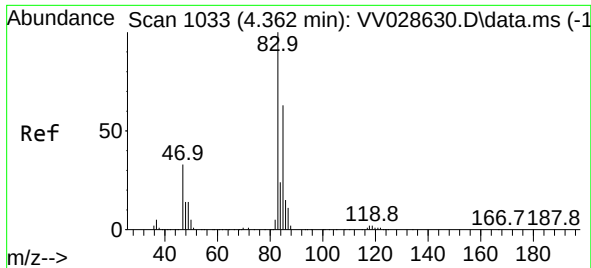
Tgt Ion: 96 Resp: 91220  
 Ion Ratio Lower Upper  
 96 100  
 61 144.8 101.4 188.2  
 68 0.7 0.5 0.9



#23  
 Bromochloromethane  
 Concen: 4.978 ug/L  
 RT: 4.233 min Scan# 993  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion: 128 Resp: 32295  
 Ion Ratio Lower Upper  
 128 100  
 49 244.4 171.1 317.7  
 130 123.4 86.4 160.4  
 51 82.4 65.9 98.9

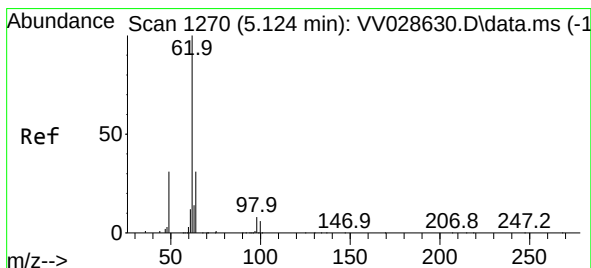
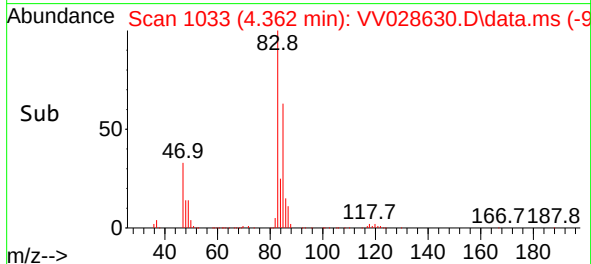
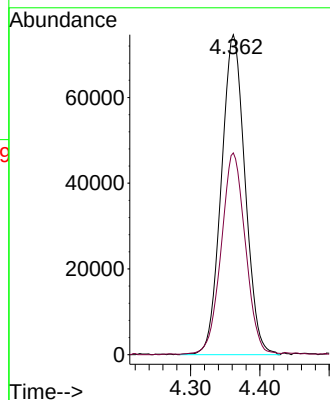
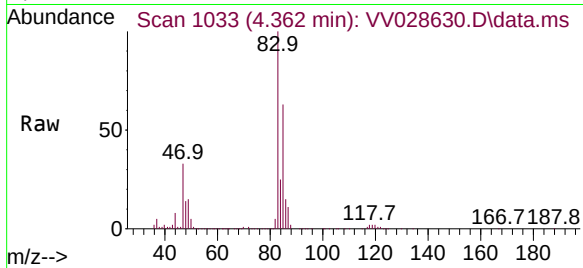




#25  
Chloroform  
Concen: 5.487 ug/L  
RT: 4.362 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

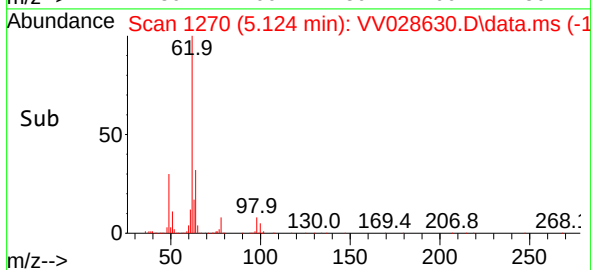
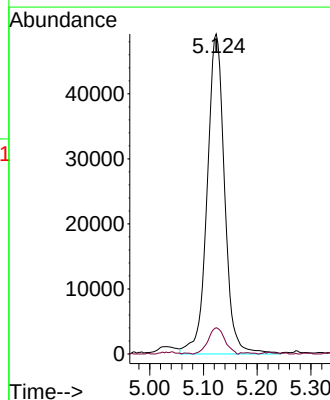
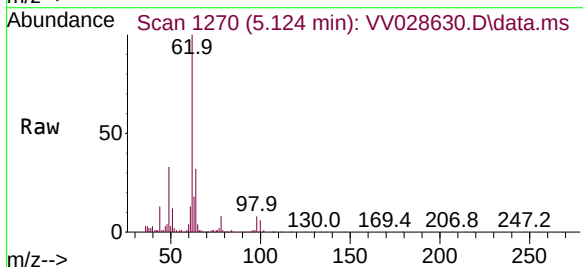
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

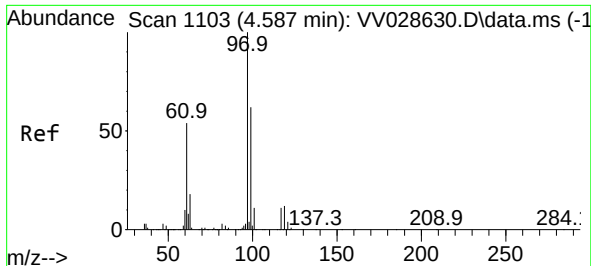
Tgt Ion: 83 Resp: 177695  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 5.789 ug/L  
RT: 5.124 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 62 Resp: 111231  
Ion Ratio Lower Upper  
62 100  
98 8.2 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 6.058 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005266

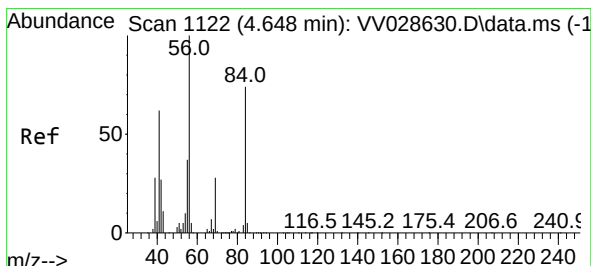
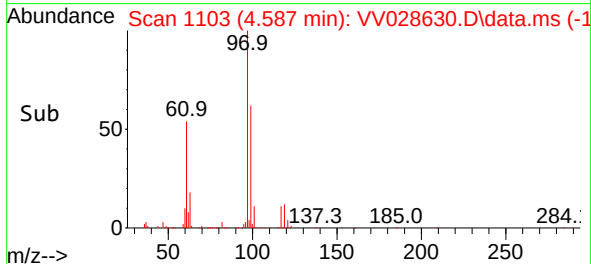
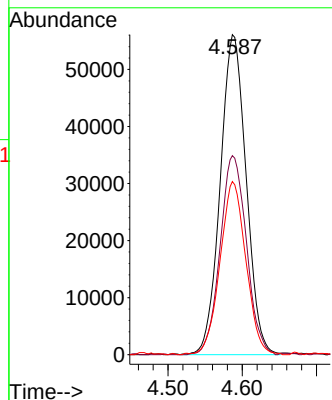
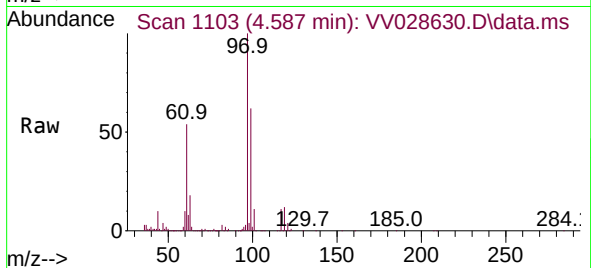
Tgt Ion: 97 Resp: 136153

Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 53.9 43.1 64.7



#30

Cyclohexane

Concen: 6.168 ug/L

RT: 4.648 min Scan# 1122

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

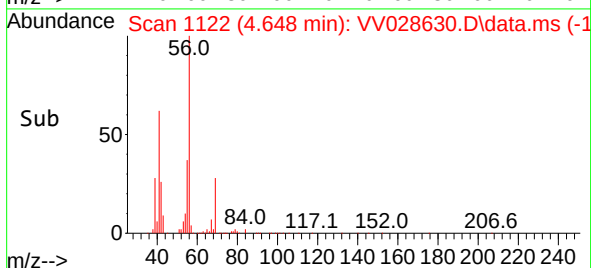
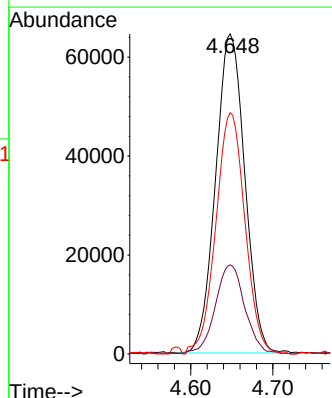
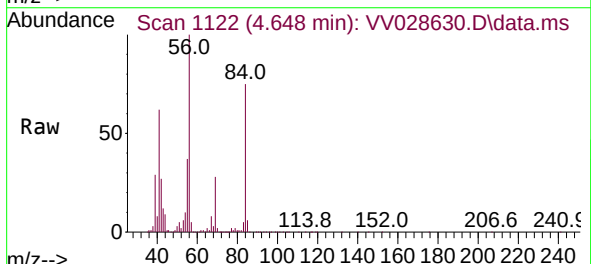
Tgt Ion: 56 Resp: 159765

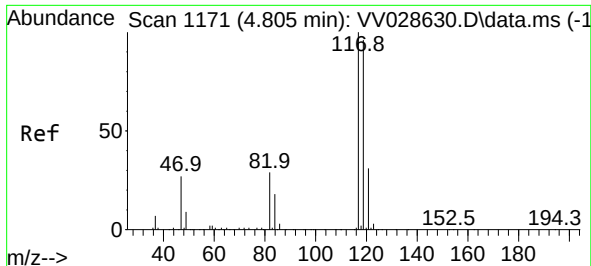
Ion Ratio Lower Upper

56 100

69 28.3 22.6 34.0

84 75.5 60.4 90.6

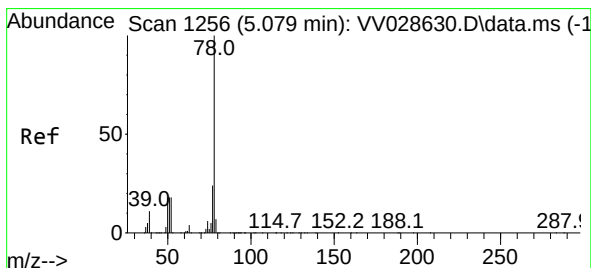
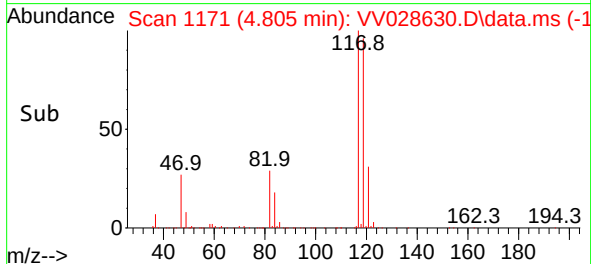
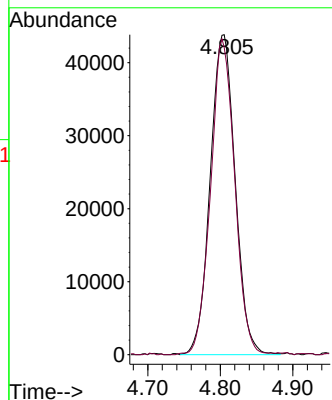
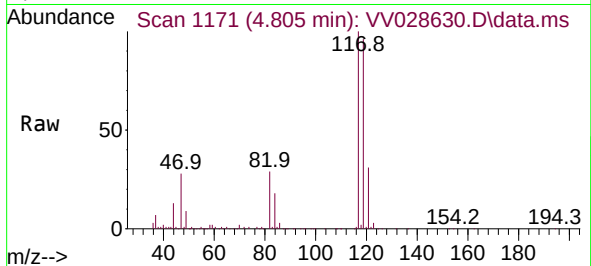




#31  
Carbon tetrachloride  
Concen: 6.028 ug/L  
RT: 4.805 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

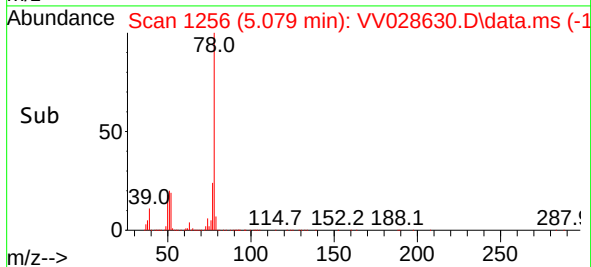
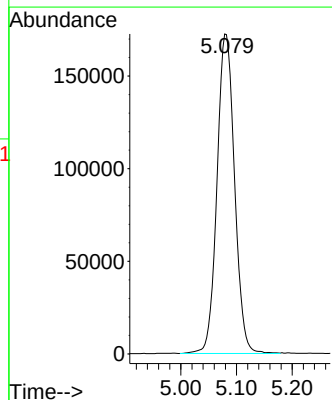
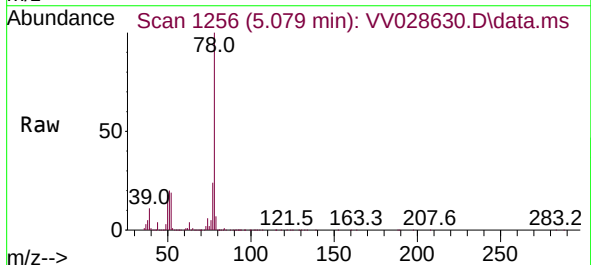
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

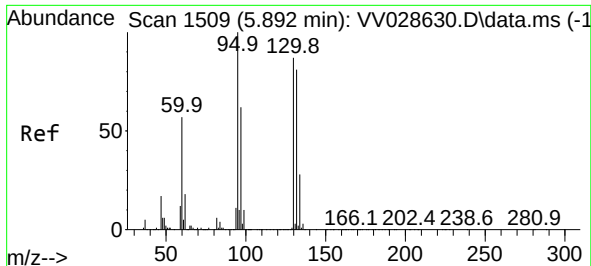
Tgt Ion:117 Resp: 104794  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.1 114.1



#33  
Benzene  
Concen: 6.436 ug/L  
RT: 5.079 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 78 Resp: 377874





#34

Trichloroethene

Concen: 6.483 ug/L

RT: 5.892 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005266

Tgt Ion: 95 Resp: 94248

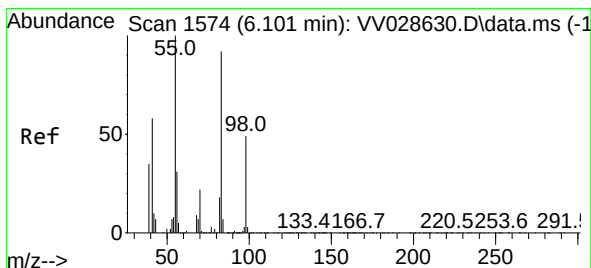
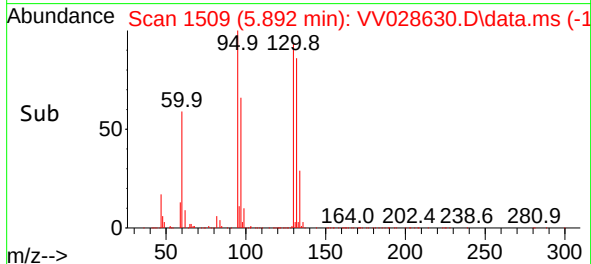
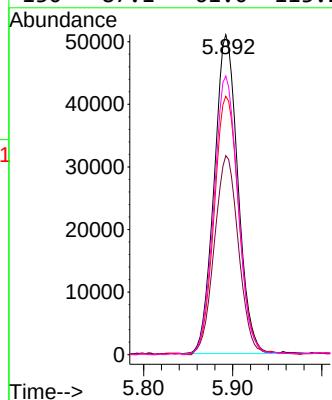
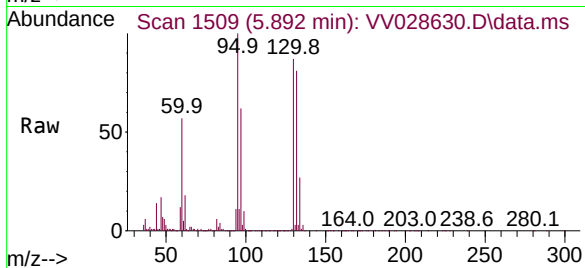
Ion Ratio Lower Upper

95 100

97 62.2 43.5 80.9

132 80.7 56.5 104.9

130 87.1 61.0 113.2



#35

Methylcyclohexane

Concen: 6.518 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

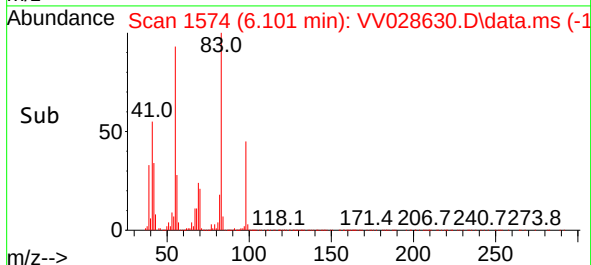
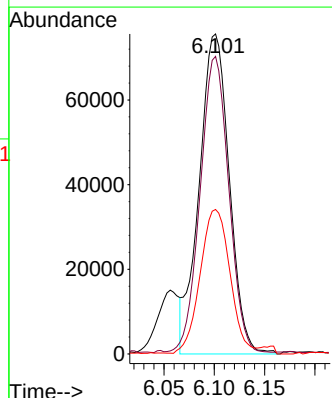
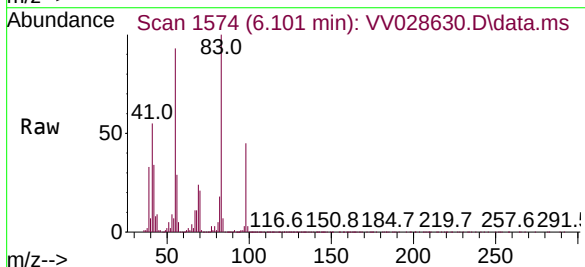
Tgt Ion: 83 Resp: 157613

Ion Ratio Lower Upper

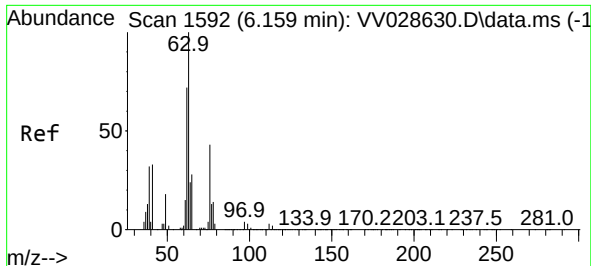
83 100

55 87.5 70.0 105.0

98 44.5 35.6 53.4







#37

1,2-Dichloropropane

Concen: 6.804 ug/L

RT: 6.159 min Scan# 1592

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

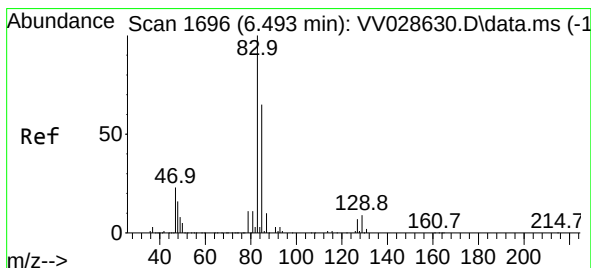
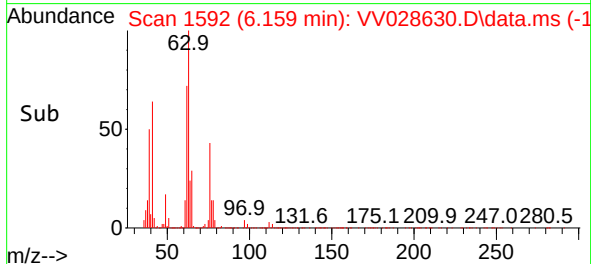
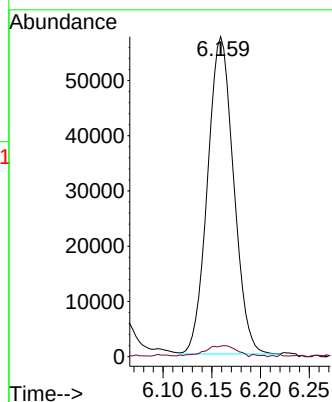
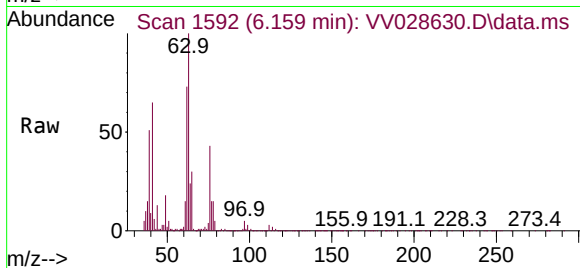
VSTD005266

Tgt Ion: 63 Resp: 106731

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 5.782 ug/L

RT: 6.493 min Scan# 1696

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

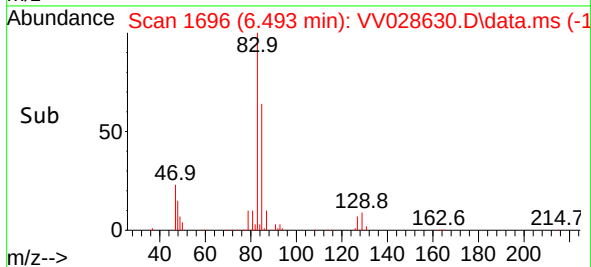
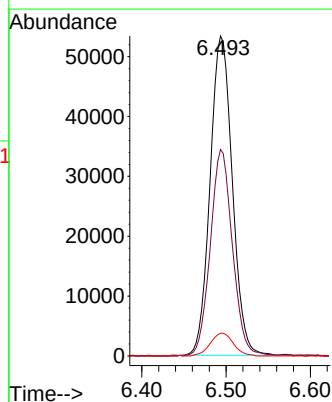
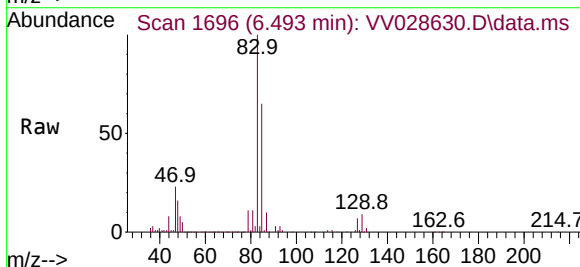
Tgt Ion: 83 Resp: 97731

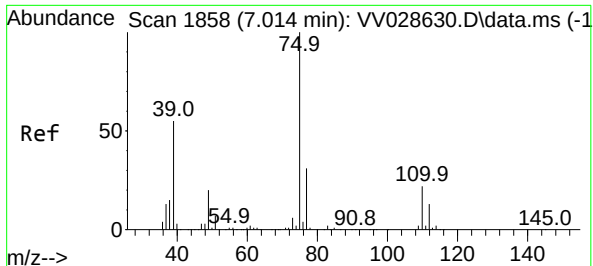
Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

127 7.1 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 5.350 ug/L

RT: 7.014 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

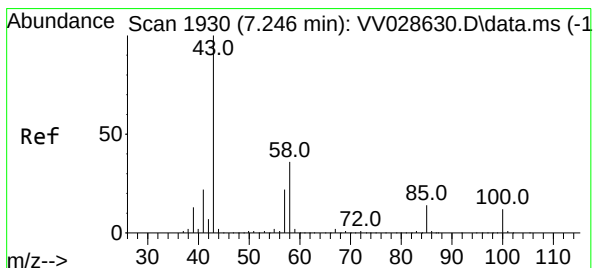
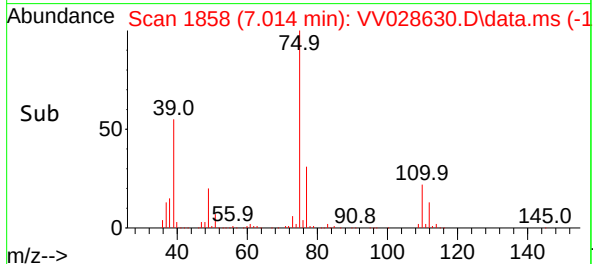
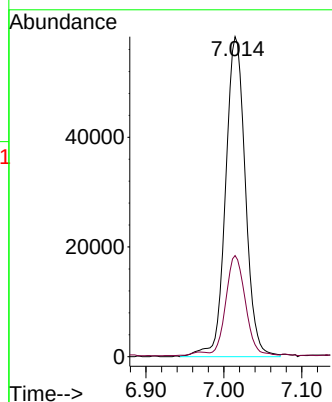
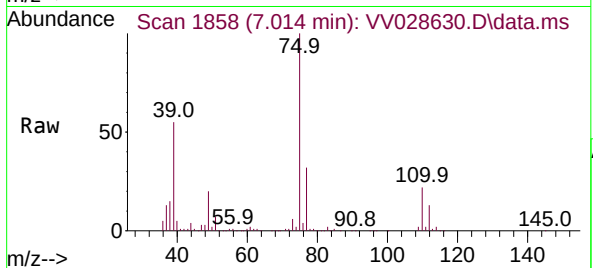
VSTD005266

Tgt Ion: 75 Resp: 103134

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 58.829 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

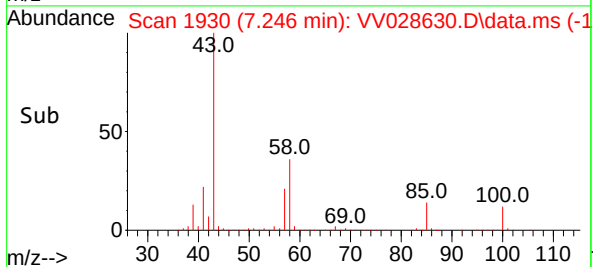
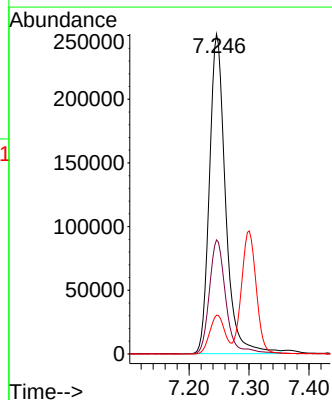
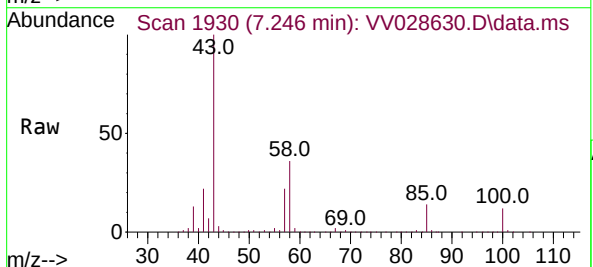
Tgt Ion: 43 Resp: 469747

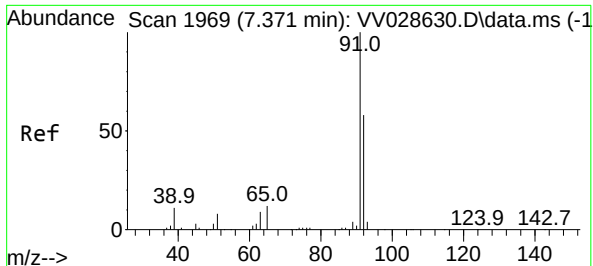
Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4

100 11.7 9.4 14.0

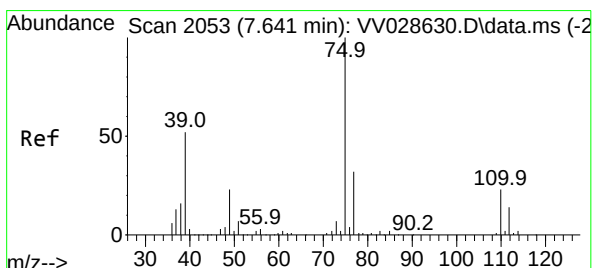
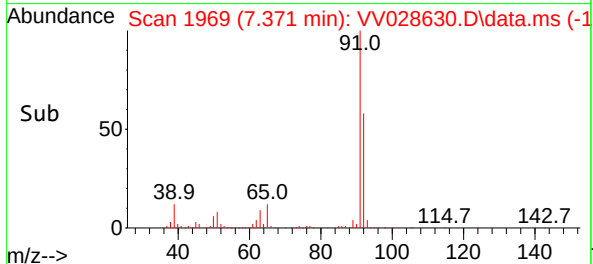
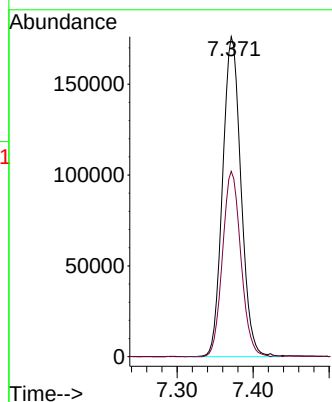
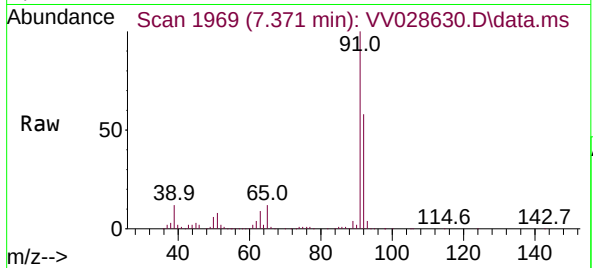




#42  
Toluene  
Concen: 5.547 ug/L  
RT: 7.371 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

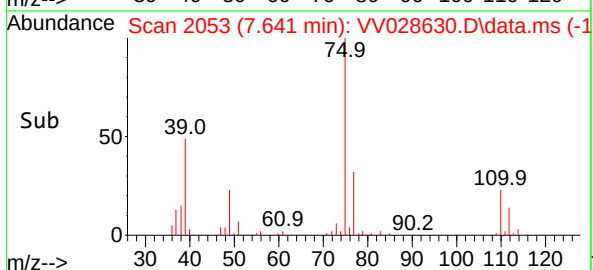
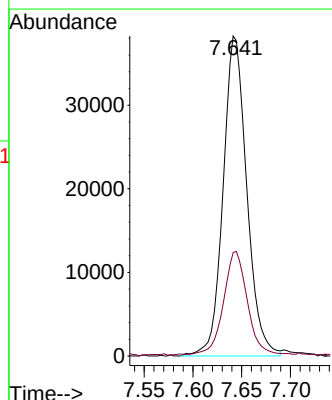
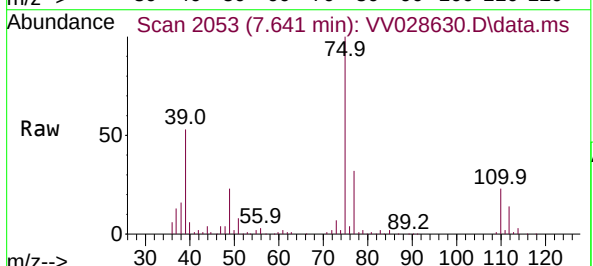
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

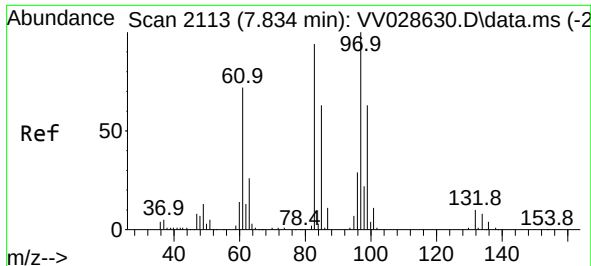
Tgt Ion: 91 Resp: 295731  
Ion Ratio Lower Upper  
91 100  
92 57.9 40.5 75.3



#44  
trans-1,3-Dichloropropene  
Concen: 4.598 ug/L  
RT: 7.641 min Scan# 2053  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 75 Resp: 64678  
Ion Ratio Lower Upper  
75 100  
77 32.3 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.444 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005266

Tgt Ion: 97 Resp: 43609

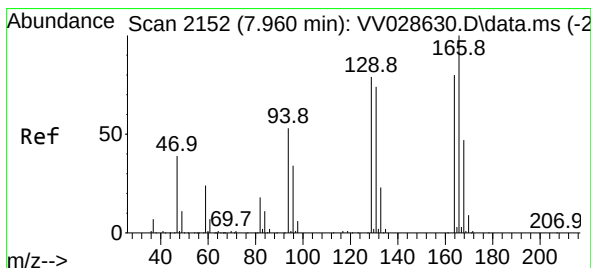
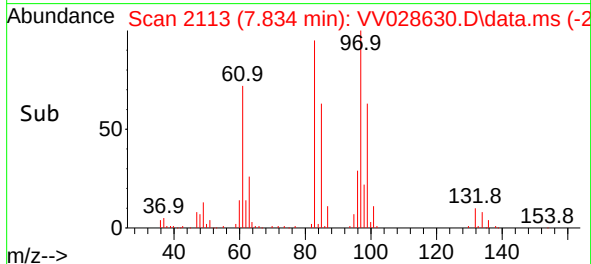
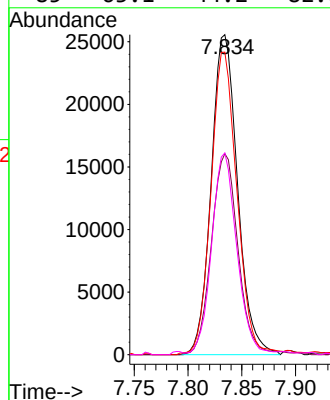
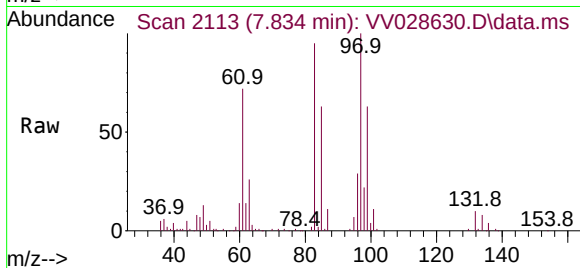
Ion Ratio Lower Upper

97 100

99 62.8 44.0 81.6

83 94.6 66.2 123.0

85 63.1 44.2 82.0



#47

Tetrachloroethene

Concen: 5.236 ug/L

RT: 7.960 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Tgt Ion:164 Resp: 45848

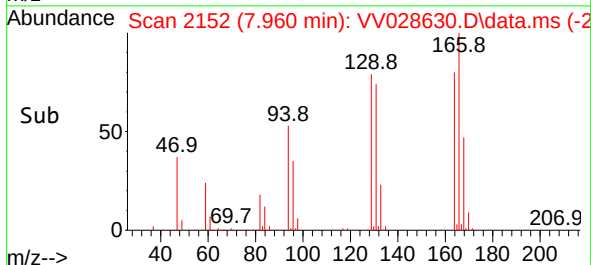
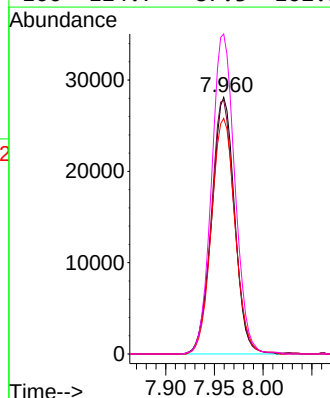
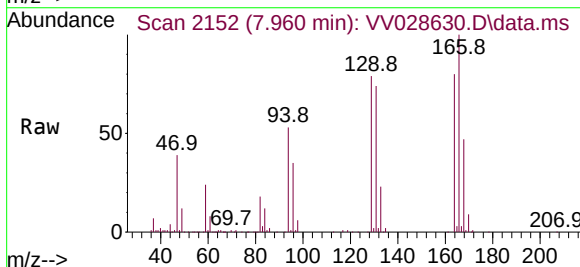
Ion Ratio Lower Upper

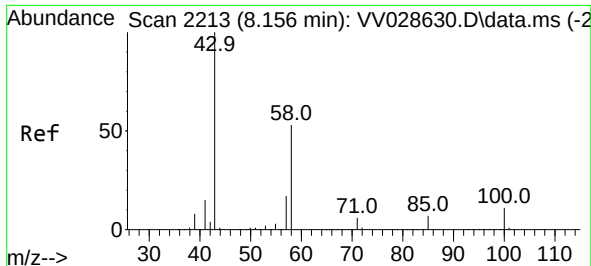
164 100

129 98.9 69.2 128.6

131 91.7 64.2 119.2

166 124.7 87.3 162.1



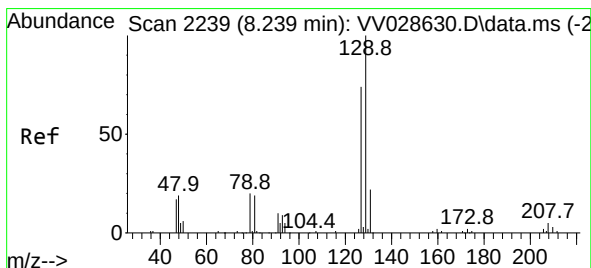
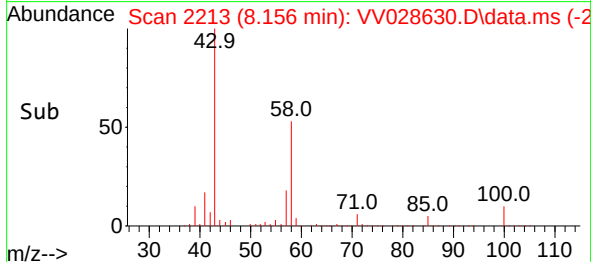
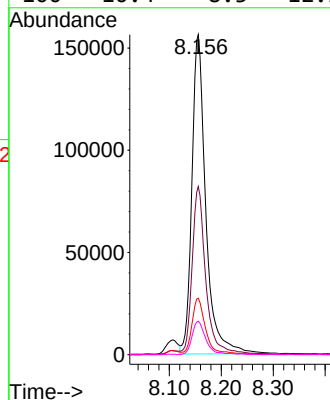
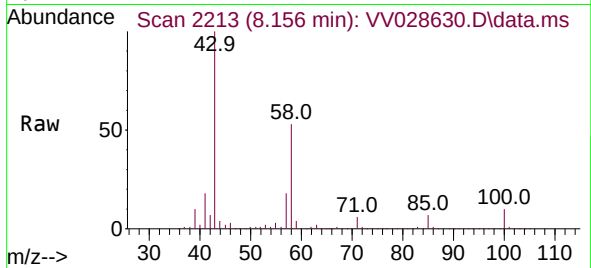


#48  
2-Hexanone  
Concen: 53.877 ug/L  
RT: 8.156 min Scan# 2213  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

Tgt Ion: 43 Resp: 290607

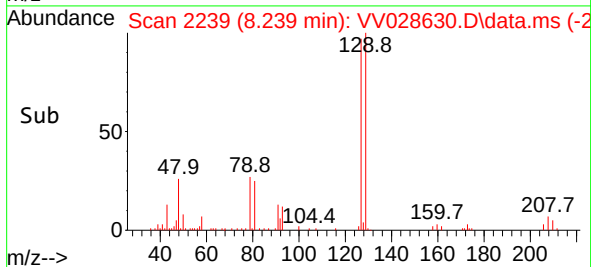
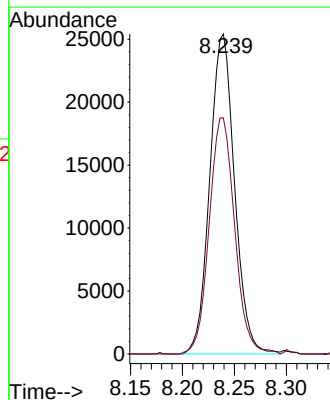
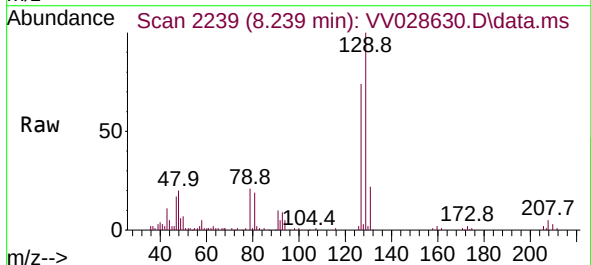
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 50.7  | 40.6  | 60.8  |
| 57  | 17.3  | 13.8  | 20.8  |
| 100 | 10.4  | 8.3   | 12.5  |

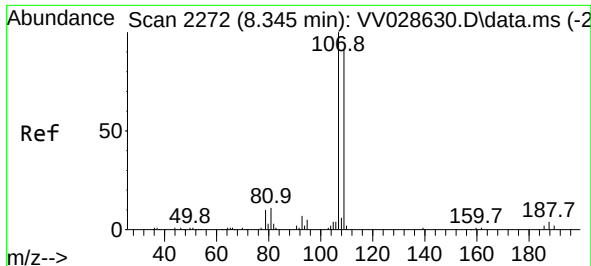


#49  
Dibromochloromethane  
Concen: 5.031 ug/L  
RT: 8.239 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 129 Resp: 42135

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 73.7  | 51.6  | 95.8  |





#50

1,2-Dibromoethane

Concen: 5.468 ug/L

RT: 8.345 min Scan# 2272

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005266

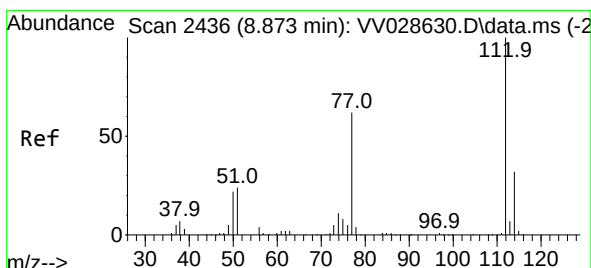
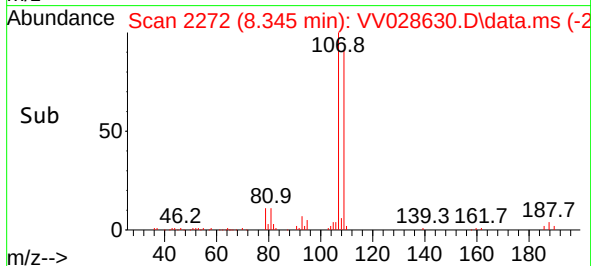
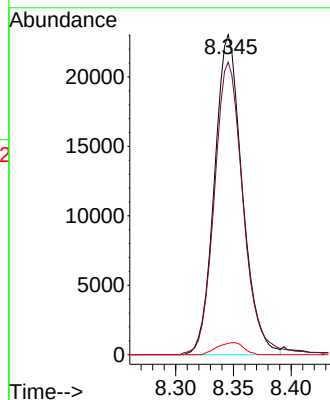
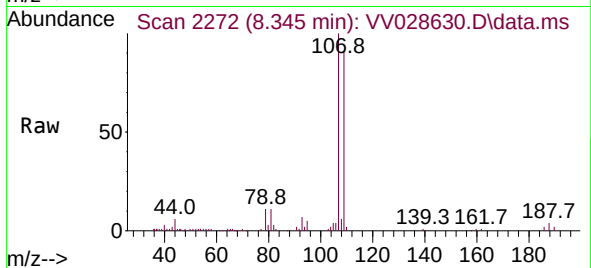
Tgt Ion:107 Resp: 38563

Ion Ratio Lower Upper

107 100

109 91.4 64.0 118.8

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 5.433 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

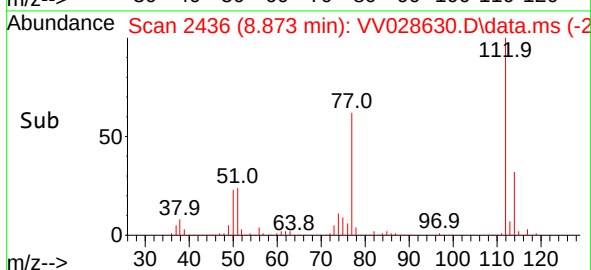
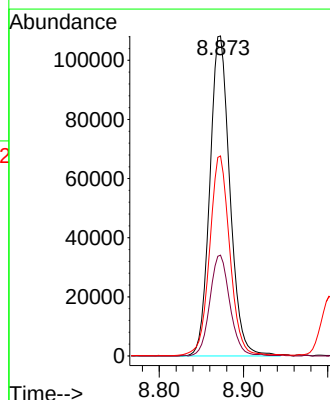
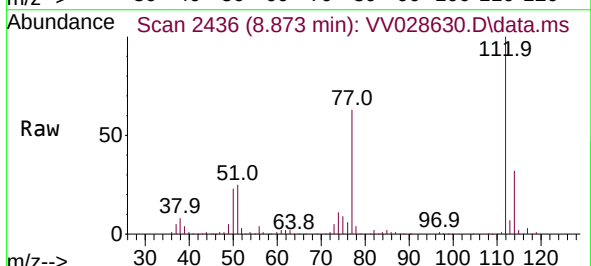
Tgt Ion:112 Resp: 179011

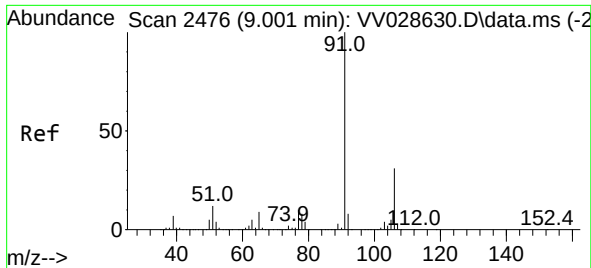
Ion Ratio Lower Upper

112 100

114 31.5 22.0 41.0

77 62.5 50.0 75.0

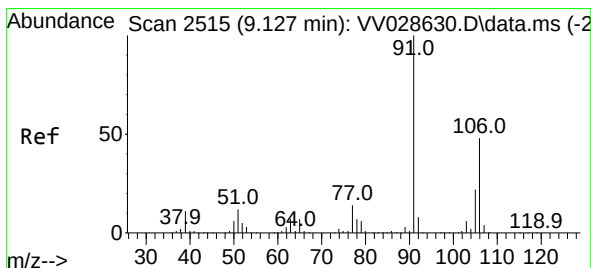
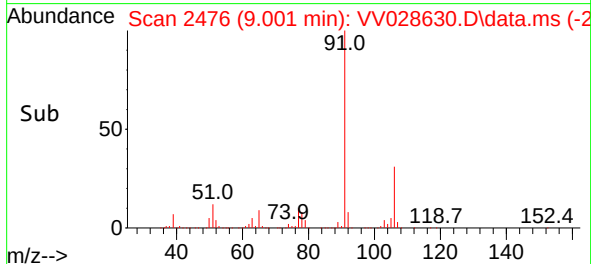
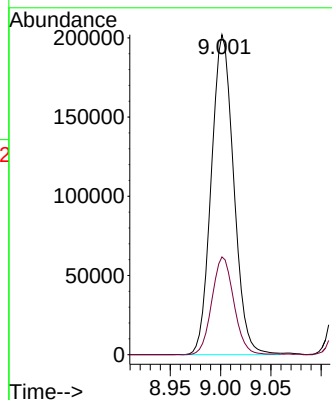
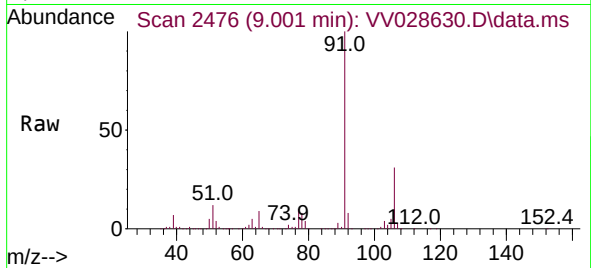




#52  
Ethylbenzene  
Concen: 5.350 ug/L  
RT: 9.001 min Scan# 2476  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

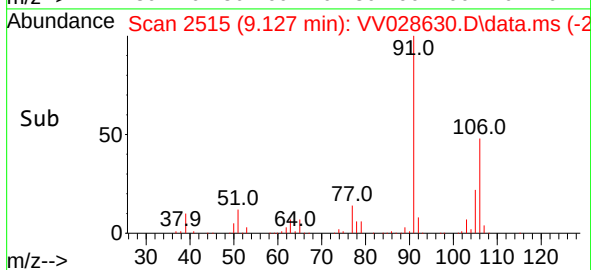
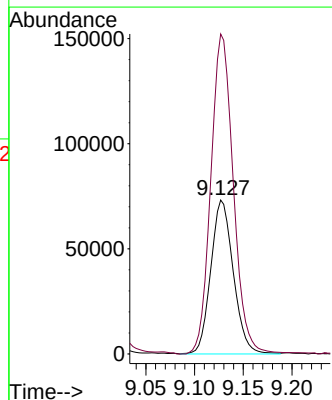
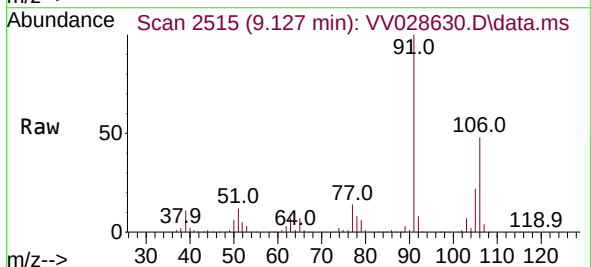
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

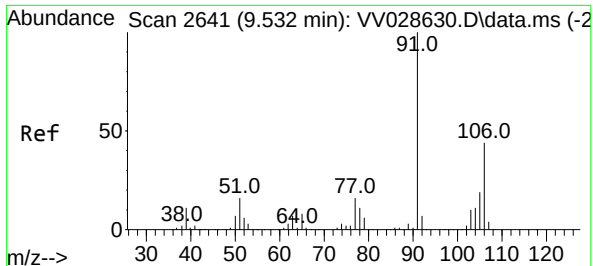
Tgt Ion: 91 Resp: 313840  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.3 39.6



#53  
m,p-Xylene  
Concen: 5.340 ug/L  
RT: 9.127 min Scan# 2515  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 106 Resp: 117645  
Ion Ratio Lower Upper  
106 100  
91 207.8 145.5 270.1

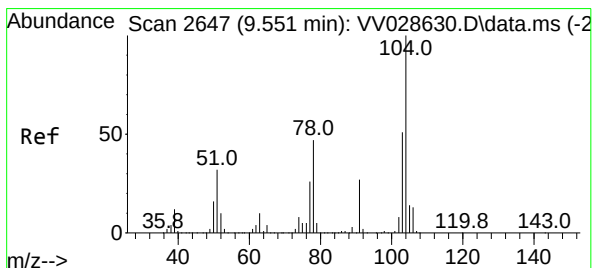
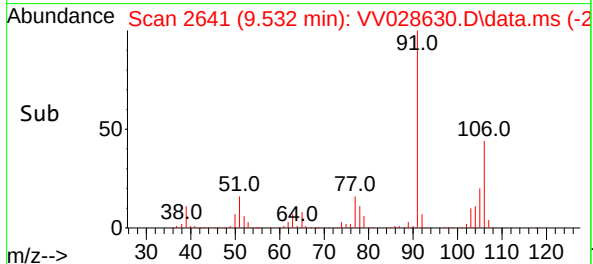
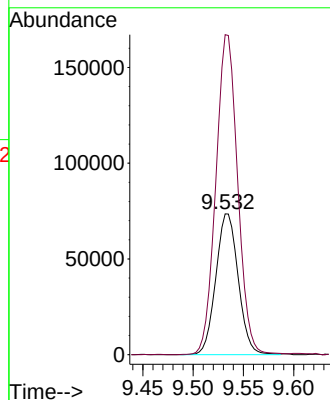
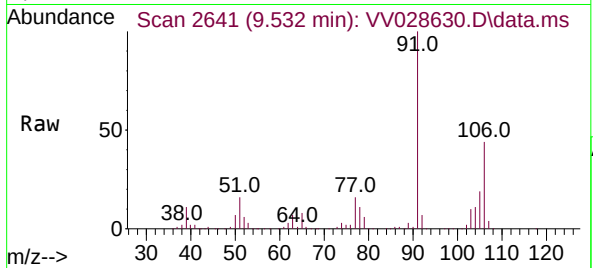




#54  
o-Xylene  
Concen: 5.372 ug/L  
RT: 9.532 min Scan# 2641  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

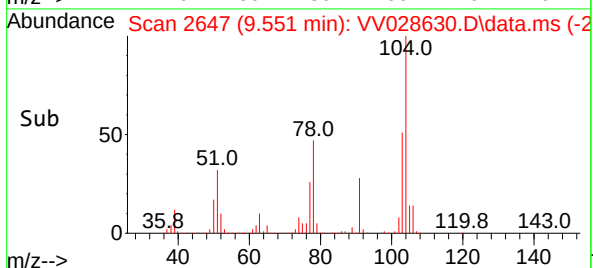
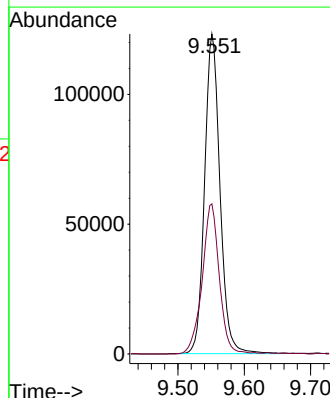
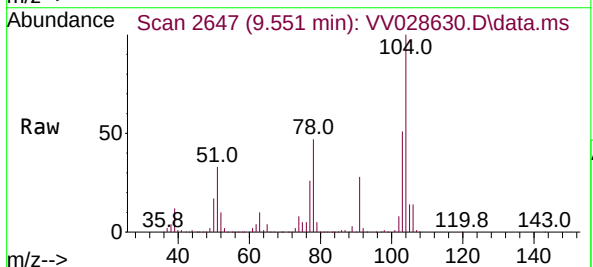
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

Tgt Ion:106 Resp: 113842  
Ion Ratio Lower Upper  
106 100  
91 227.2 159.0 295.4

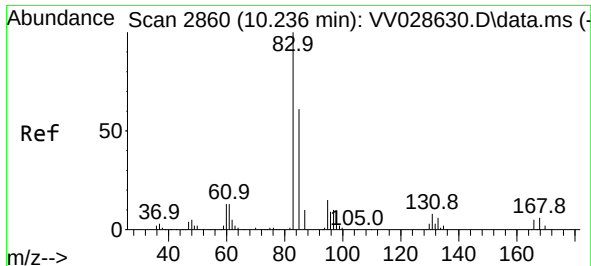


#55  
Styrene  
Concen: 5.500 ug/L  
RT: 9.551 min Scan# 2647  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion:104 Resp: 199114  
Ion Ratio Lower Upper  
104 100  
78 46.9 32.8 61.0







#57

1,1,2,2-Tetrachloroethane

Concen: 5.544 ug/L

RT: 10.236 min Scan# 2860

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005266

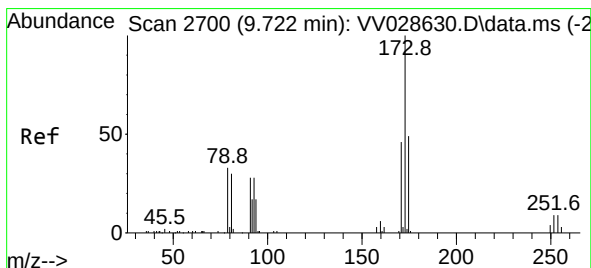
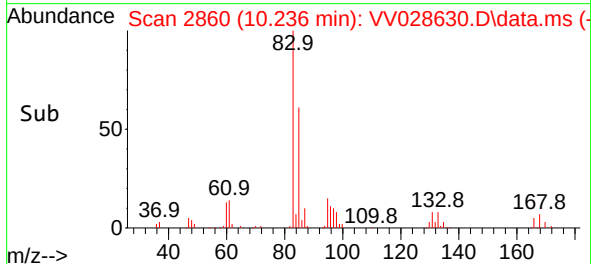
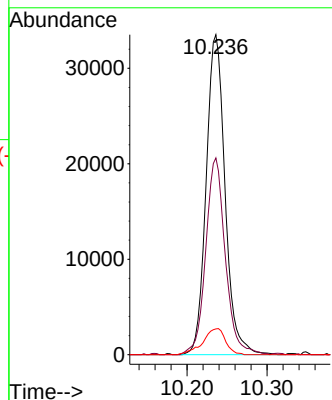
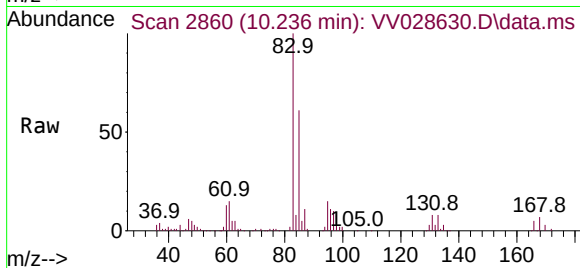
Tgt Ion: 83 Resp: 55193

Ion Ratio Lower Upper

83 100

85 61.5 43.0 80.0

131 8.1 6.5 9.7



#59

Bromoform

Concen: 4.629 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.000 min

Lab File: VV028630.D

Acq: 20 Oct 2022 12:01

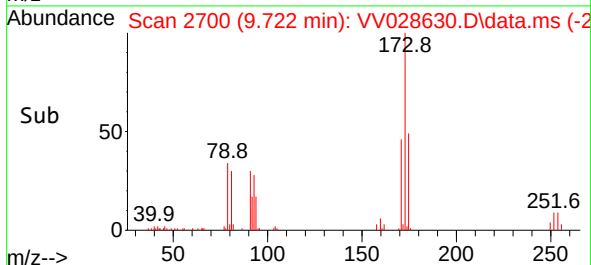
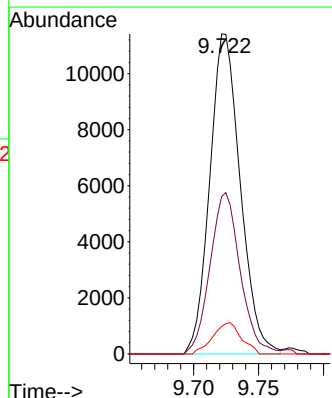
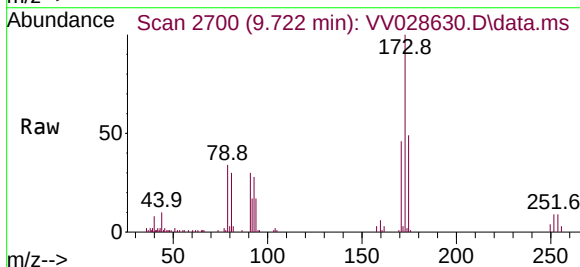
Tgt Ion: 173 Resp: 18629

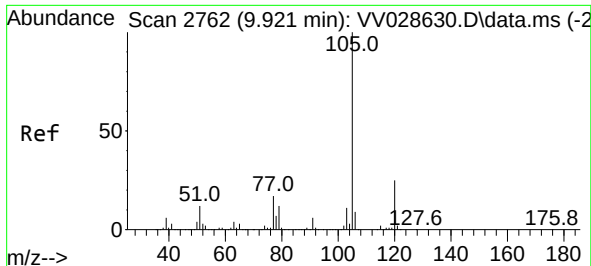
Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

254 9.1 7.3 10.9

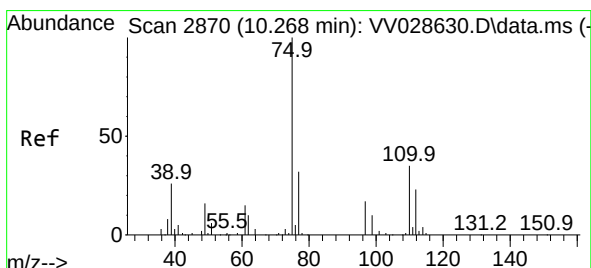
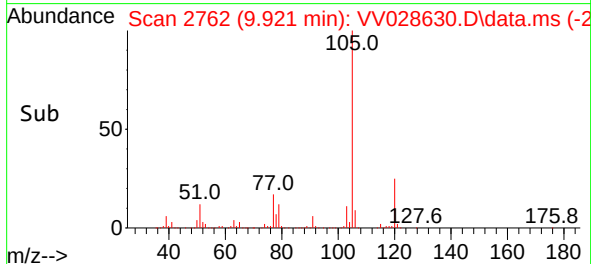
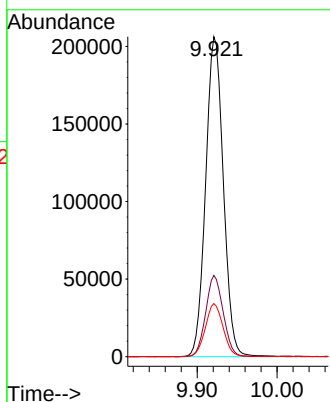
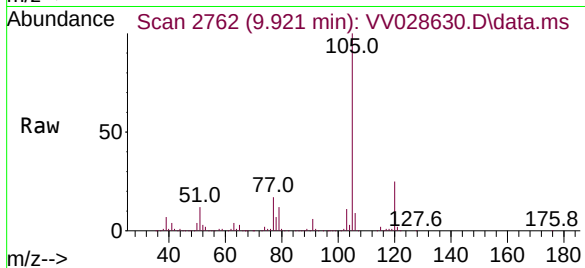




#60  
Isopropylbenzene  
Concen: 5.298 ug/L  
RT: 9.921 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

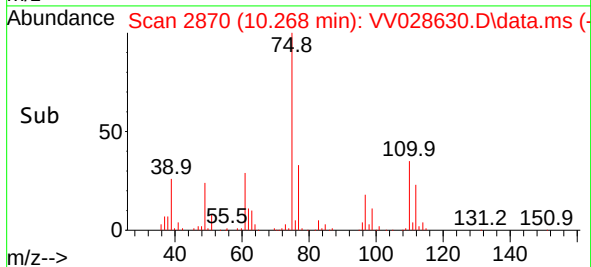
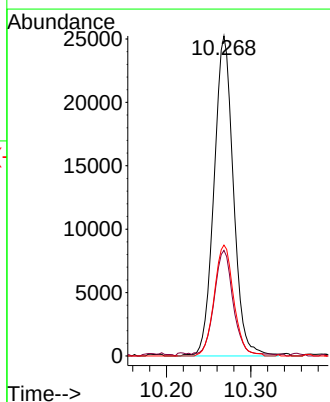
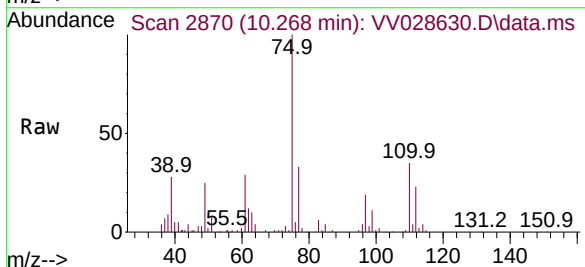
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

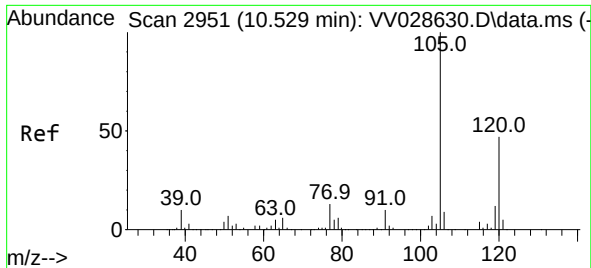
Tgt Ion:105 Resp: 317441  
Ion Ratio Lower Upper  
105 100  
120 25.1 20.1 30.1  
77 16.7 13.4 20.0



#61  
1,2,3-Trichloropropane  
Concen: 5.429 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion: 75 Resp: 40264  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.2 37.8  
110 34.9 27.9 41.9

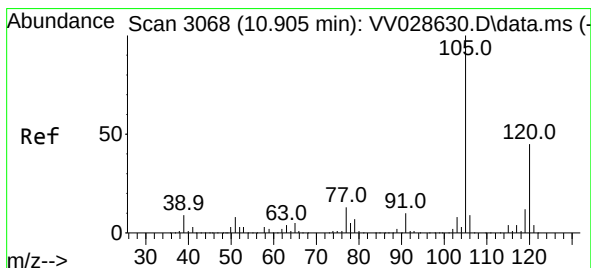
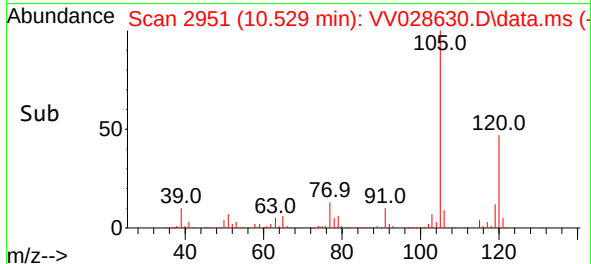
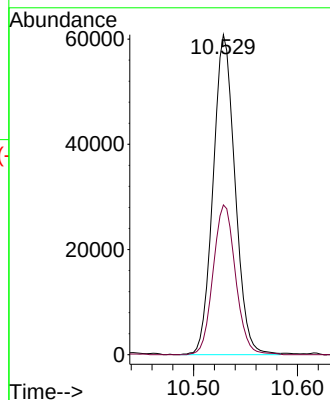
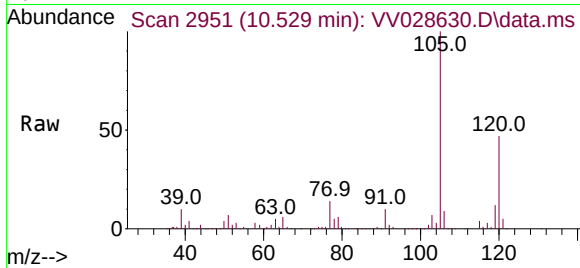




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.004 ug/L  
 RT: 10.529 min Scan# 2951  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

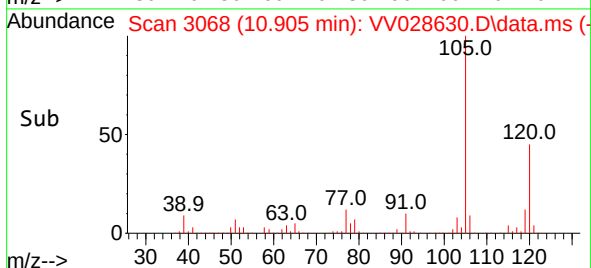
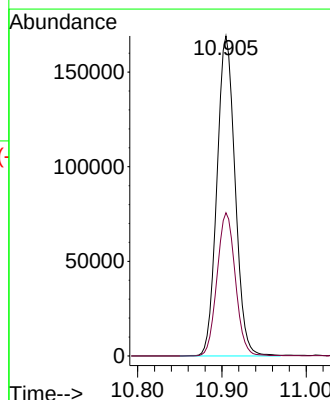
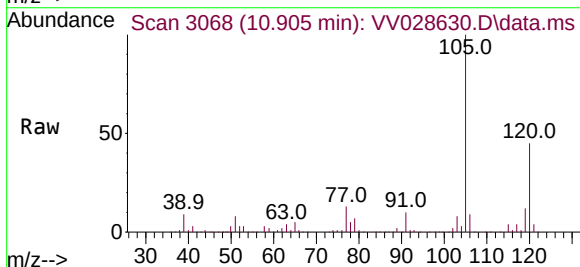
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

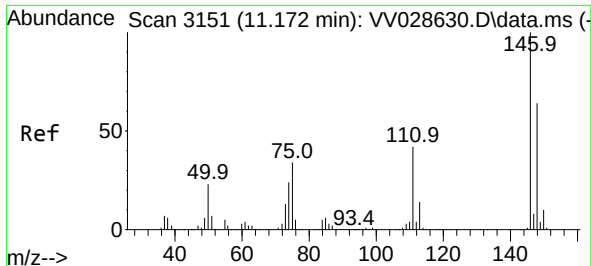
Tgt Ion:105 Resp: 89193  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 38.3 57.5



#63  
 1,2,4-Trimethylbenzene  
 Concen: 5.161 ug/L  
 RT: 10.905 min Scan# 3068  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion:105 Resp: 252378  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 36.2 54.2

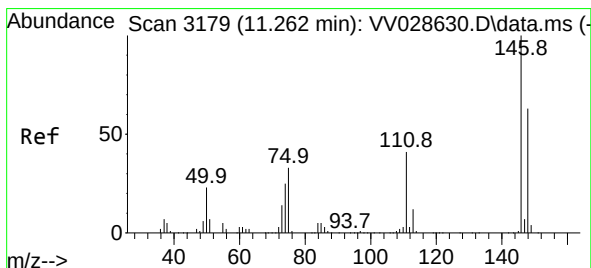
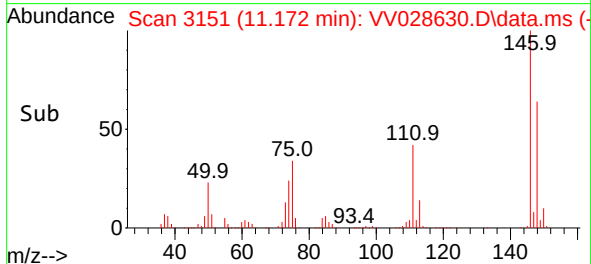
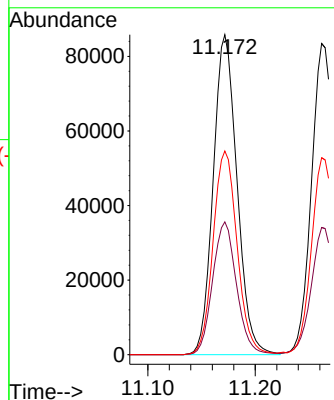
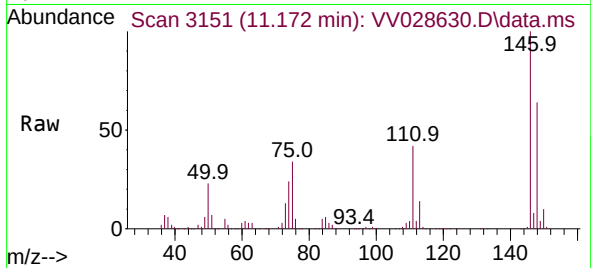




#64  
1,3-Dichlorobenzene  
Concen: 5.232 ug/L  
RT: 11.172 min Scan# 3151  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

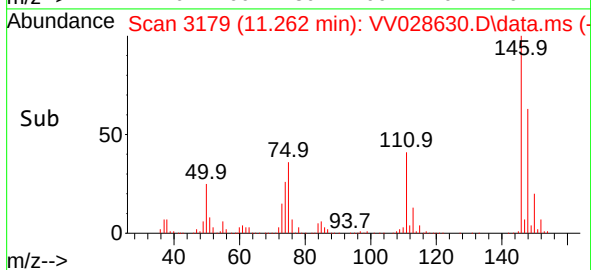
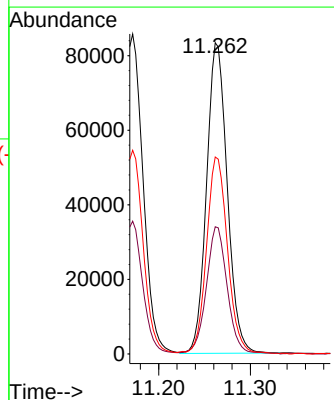
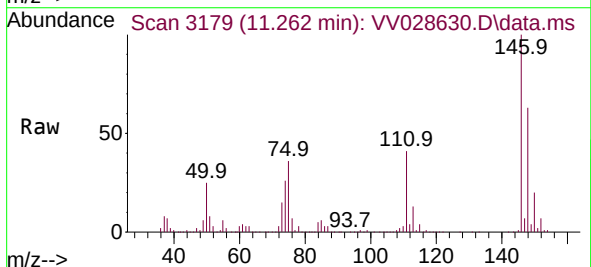
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

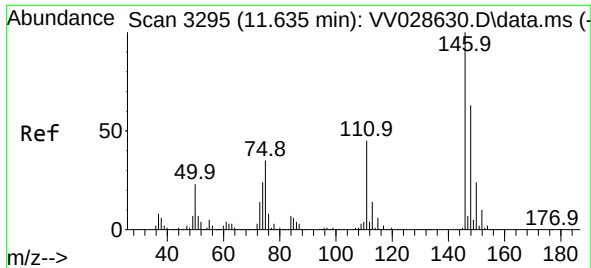
Tgt Ion:146 Resp: 132114  
Ion Ratio Lower Upper  
146 100  
111 41.5 29.0 53.9  
148 63.6 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 5.257 ug/L  
RT: 11.262 min Scan# 3179  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion:146 Resp: 130608  
Ion Ratio Lower Upper  
146 100  
111 40.9 28.6 53.2  
148 63.3 44.3 82.3

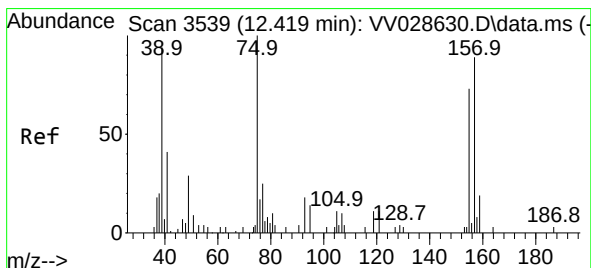
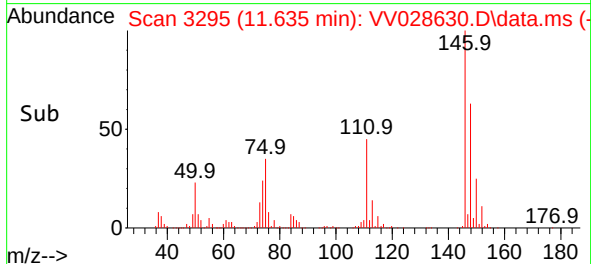
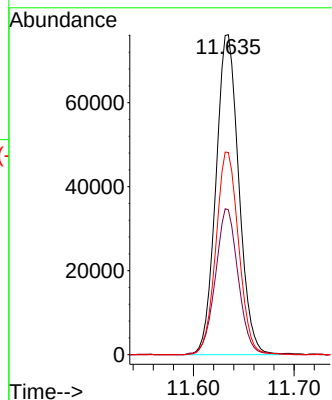
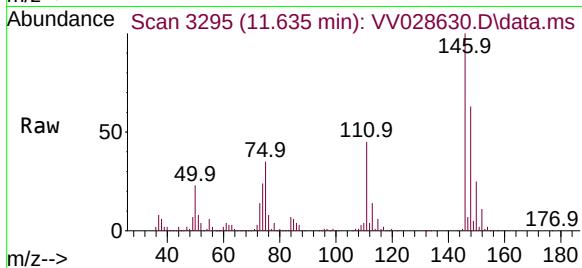




#67  
 1,2-Dichlorobenzene  
 Concen: 5.308 ug/L  
 RT: 11.635 min Scan# 3295  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

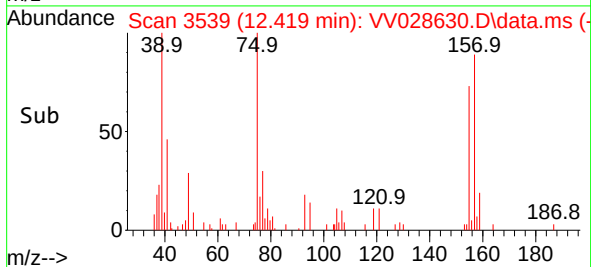
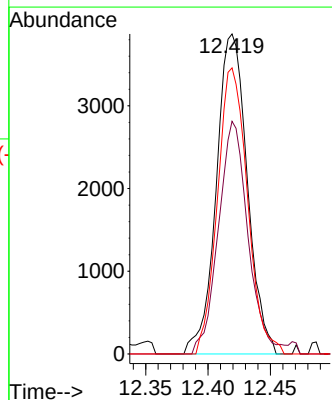
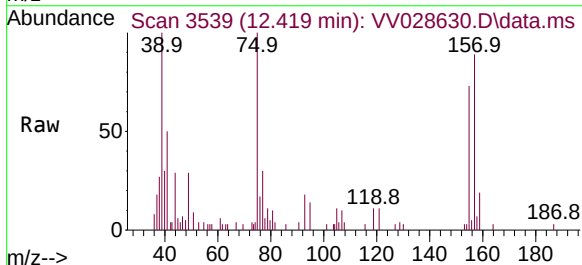
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

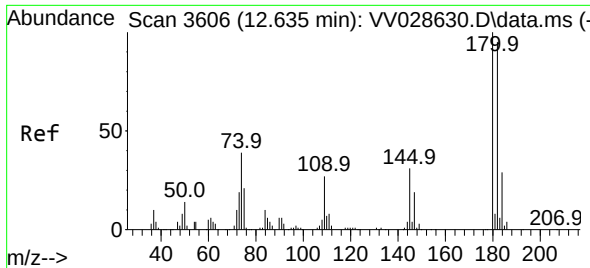
Tgt Ion:146 Resp: 120665  
 Ion Ratio Lower Upper  
 146 100  
 111 45.3 36.2 54.4  
 148 63.2 50.6 75.8



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.580 ug/L  
 RT: 12.419 min Scan# 3539  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

Tgt Ion: 75 Resp: 6702  
 Ion Ratio Lower Upper  
 75 100  
 155 72.7 58.2 87.2  
 157 89.4 71.5 107.3

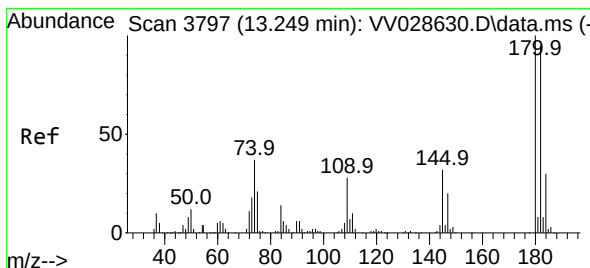
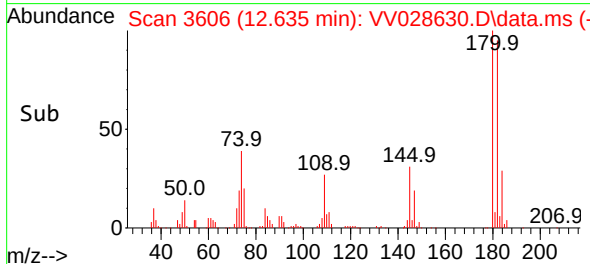
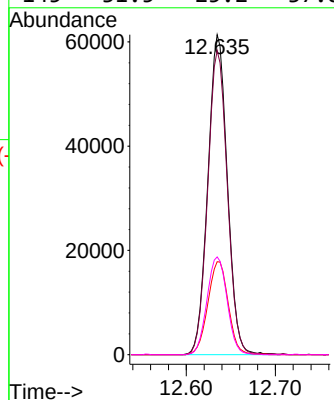
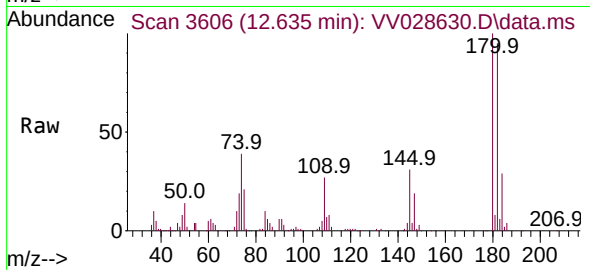




#69  
 1,3,5-Trichlorobenzene  
 Concen: 5.108 ug/L  
 RT: 12.635 min Scan# 3606  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

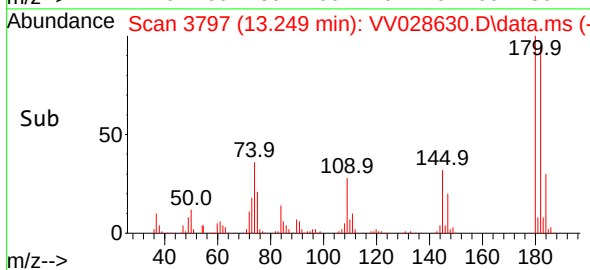
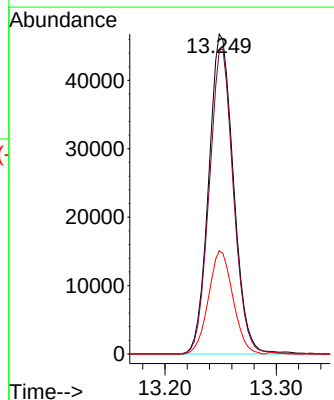
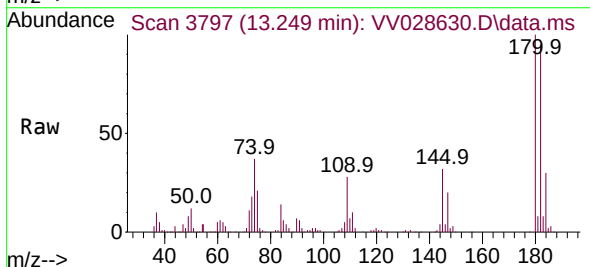
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005266

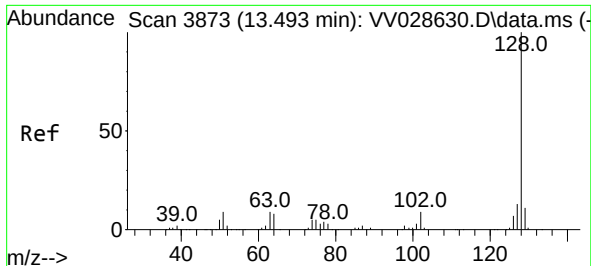
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 93158      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.7  | 76.6 114.8 |
| 184         | 30.4  | 24.3 36.5  |
| 145         | 31.5  | 25.2 37.8  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.165 ug/L  
 RT: 13.249 min Scan# 3797  
 Delta R.T. 0.000 min  
 Lab File: VV028630.D  
 Acq: 20 Oct 2022 12:01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 72047      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.4  | 74.7 112.1 |
| 145         | 31.9  | 25.5 38.3  |

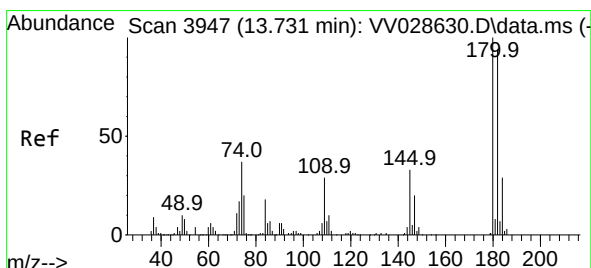
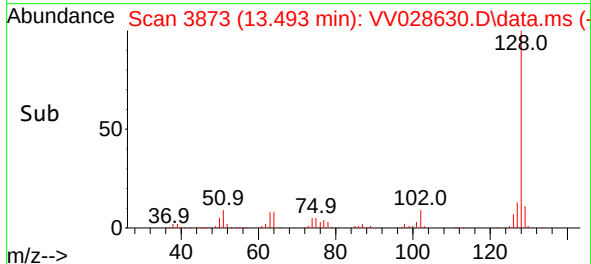
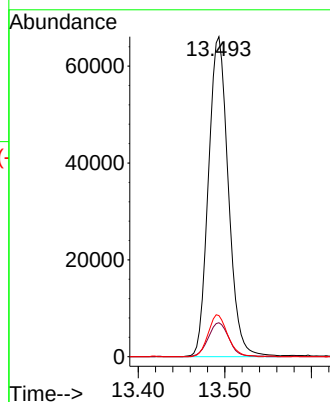
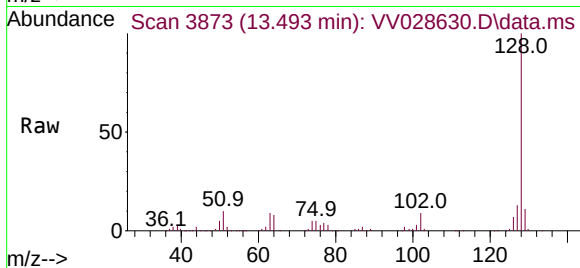




#71  
Naphthalene  
Concen: 5.087 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005266

Tgt Ion:128 Resp: 105520  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 12.8 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.486 ug/L  
RT: 13.731 min Scan# 3947  
Delta R.T. 0.000 min  
Lab File: VV028630.D  
Acq: 20 Oct 2022 12:01

Tgt Ion:180 Resp: 63851  
Ion Ratio Lower Upper  
180 100  
182 91.7 73.4 110.0  
145 32.9 26.3 39.5

