

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091922\  
 Data File : VW027935.D  
 Acq On : 19 Sep 2022 18:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 20 01:51:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 20 01:41:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.613     | 114   | 129429   | 5.000    | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117   | 134535   | 5.000    | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152   | 75597    | 5.000    | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.301     | 65    | 51220    | 5.068    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | = 101.400% |          |
| 7) Chloroethane-d5            | 1.564     | 69    | 45649    | 5.135    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | = 102.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.105     | 63    | 84245    | 5.042    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | = 100.800% |          |
| 20) 2-Butanone-d5             | 3.886     | 46    | 92403    | 57.222   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | = 114.440% |          |
| 24) Chloroform-d              | 4.346     | 84    | 89656    | 5.299    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 106.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65    | 38797    | 5.542    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 110.800% |          |
| 32) Benzene-d6                | 5.047     | 84    | 171509   | 5.376    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 107.600% |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67    | 54361    | 5.190    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | = 103.800% |          |
| 41) Toluene-d8                | 7.313     | 98    | 155552   | 5.432    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 108.600% |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79    | 18427    | 5.312    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | = 106.200% |          |
| 46) 2-Hexanone-d5             | 8.085     | 63    | 89720    | 58.577   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | = 117.160% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214    | 84    | 44508    | 5.195    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | = 104.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 59422    | 5.050    | ug/L       | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | = 101.000% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.124     | 85    | 48520    | 5.104    | ug/L       | 99       |
| 3) Chloromethane              | 1.236     | 50    | 47466    | 4.245    | ug/L       | 98       |
| 5) Vinyl chloride             | 1.307     | 62    | 54244    | 4.893    | ug/L       | 100      |
| 6) Bromomethane               | 1.516     | 94    | 35651    | 4.657    | ug/L       | 93       |
| 8) Chloroethane               | 1.581     | 64    | 36357    | 4.850    | ug/L       | 100      |
| 9) Trichlorofluoromethane     | 1.748     | 101   | 80433    | 4.801    | ug/L       | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111     | 101   | 50194    | 4.785    | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.114     | 96    | 44889    | 4.785    | ug/L       | 91       |
| 13) Acetone                   | 2.175     | 43    | 54690    | 42.640   | ug/L       | 99       |
| 14) Carbon disulfide          | 2.288     | 76    | 90372    | 4.864    | ug/L       | 99       |
| 15) Methyl Acetate            | 2.433     | 43    | 14601    | 5.359    | ug/L       | 96       |
| 16) Methylene chloride        | 2.500     | 84    | 52411    | 5.108    | ug/L       | 87       |
| 17) Methyl tert-butyl Ether   | 2.764     | 73    | 88344    | 5.327    | ug/L       | 99       |
| 18) trans-1,2-Dichloroethene  | 2.754     | 96    | 43754    | 5.080    | ug/L       | 92       |
| 19) 1,1-Dichloroethane        | 3.185     | 63    | 82416    | 5.026    | ug/L       | 94       |
| 21) 2-Butanone                | 3.970     | 43    | 83618    | 54.226   | ug/L       | 98       |
| 22) cis-1,2-Dichloroethene    | 3.902     | 96    | 49419    | 5.125    | ug/L       | 97       |
| 23) Bromochloromethane        | 4.243     | 128   | 21968    | 5.045    | ug/L       | 97       |
| 25) Chloroform                | 4.368     | 83    | 88326    | 4.893    | ug/L       | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091922\  
 Data File : VV027935.D  
 Acq On : 19 Sep 2022 18:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 20 01:51:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 20 01:41:34 2022  
 Response via : Initial Calibration

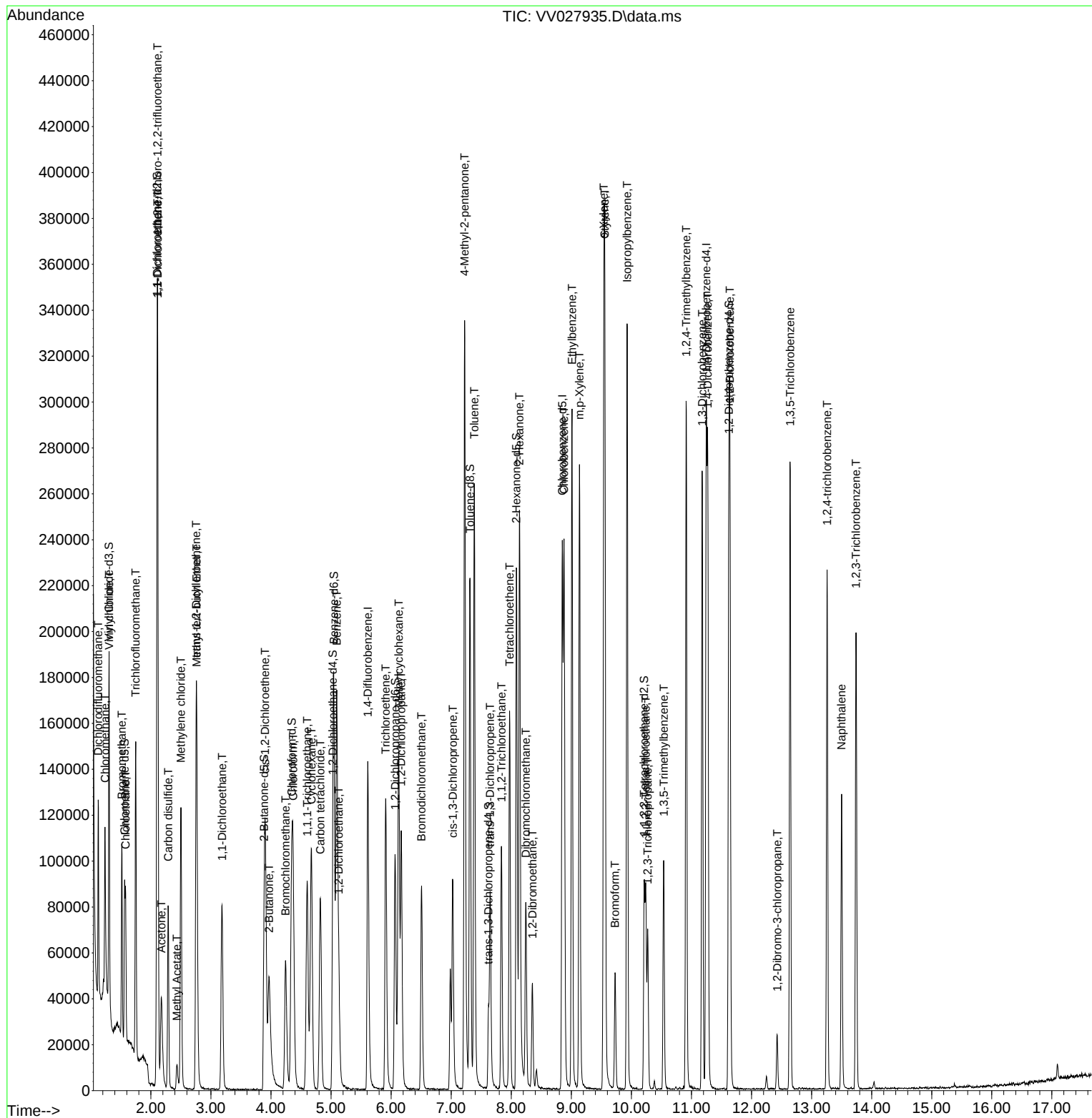
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 42275    | 5.001  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 73253    | 4.957  | ug/L   | 99       |
| 30) Cyclohexane               | 4.674  | 56   | 53956    | 5.062  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 66593    | 5.039  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 181536   | 5.016  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 46362    | 5.101  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 64229    | 4.991  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 48231    | 4.961  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 62761    | 5.024  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 61762    | 5.002  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 213520   | 53.572 | ug/L   | 98       |
| 42) Toluene                   | 7.384  | 91   | 197615   | 5.084  | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 52703    | 5.200  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 34921    | 4.922  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.973  | 164  | 39397    | 4.865  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.137  | 43   | 153260   | 54.144 | ug/L   | 100      |
| 49) Dibromochloromethane      | 8.243  | 129  | 43208    | 4.984  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 30536    | 4.839  | ug/L   | 90       |
| 51) Chlorobenzene             | 8.879  | 112  | 135826   | 5.020  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 204999   | 5.072  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 81206    | 5.159  | ug/L   | 94       |
| 54) o-Xylene                  | 9.542  | 106  | 81139    | 5.174  | ug/L   | 100      |
| 55) Styrene                   | 9.558  | 104  | 141420   | 5.206  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 42236    | 4.717  | ug/L   | 98       |
| 59) Bromoform                 | 9.728  | 173  | 23291    | 4.680  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 214231   | 5.098  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 28180    | 5.089  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 54829    | 4.819  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 162394   | 4.917  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 114353   | 4.993  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 112609   | 4.871  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 101997   | 4.836  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5861     | 4.668  | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 87936    | 4.813  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 69499    | 4.774  | ug/L   | 98       |
| 71) Naphthalene               | 13.500 | 128  | 102906   | 4.828  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 63737    | 4.901  | ug/L   | 97       |

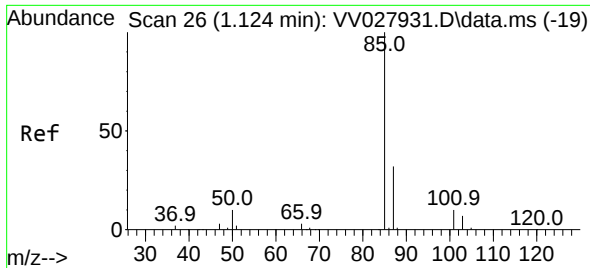
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091922\  
 Data File : VV027935.D  
 Acq On : 19 Sep 2022 18:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 20 01:51:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 20 01:41:34 2022  
 Response via : Initial Calibration

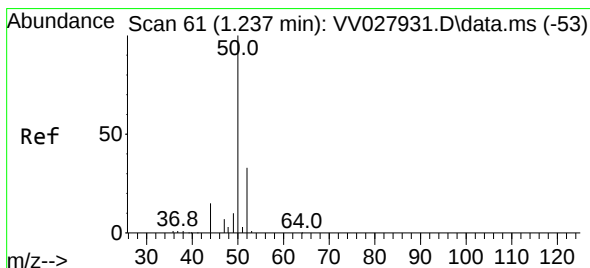
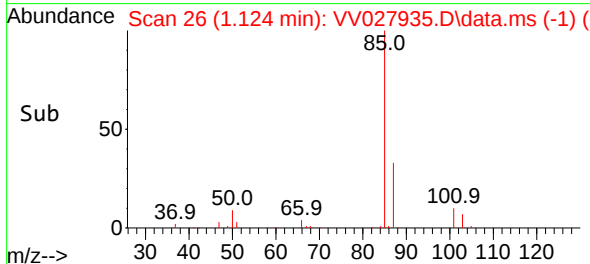
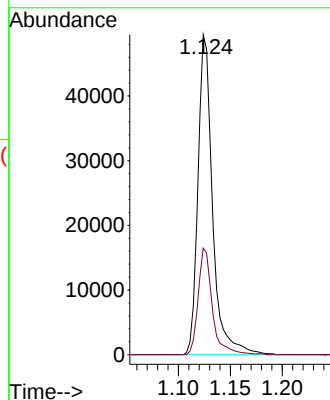
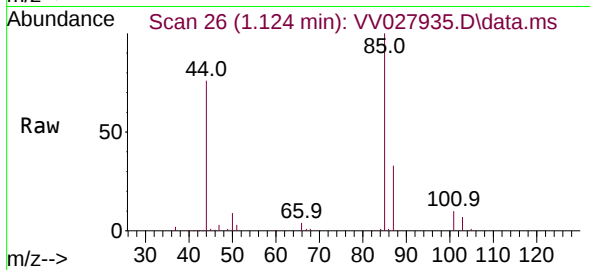




#2  
 Dichlorodifluoromethane  
 Concen: 5.104 ug/L  
 RT: 1.124 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

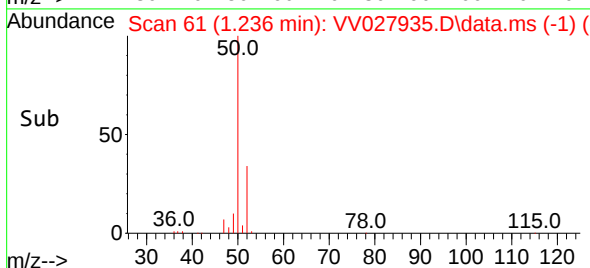
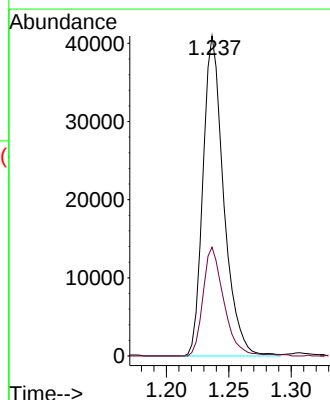
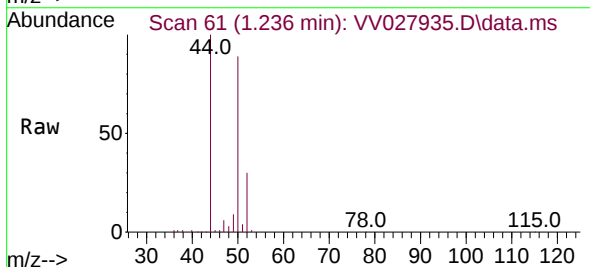
Instrument :  
 MSVOA\_V  
 ClientSampleId :

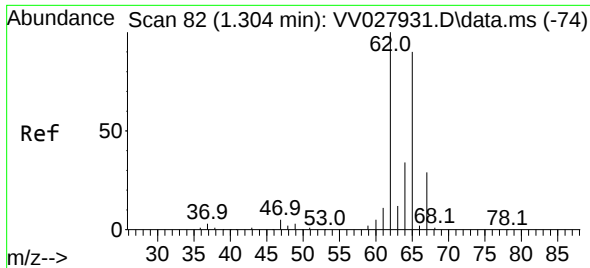
Tgt Ion: 85 Resp: 48520  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 26.5 39.7



#3  
 Chloromethane  
 Concen: 4.245 ug/L  
 RT: 1.236 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

Tgt Ion: 50 Resp: 47466  
 Ion Ratio Lower Upper  
 50 100  
 52 34.0 23.0 42.8

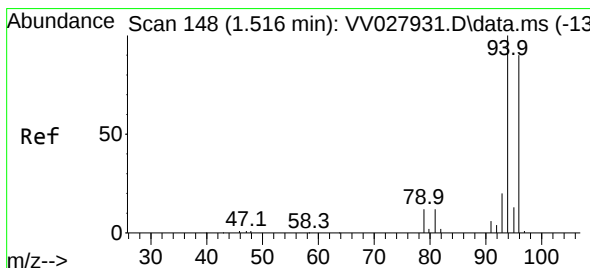
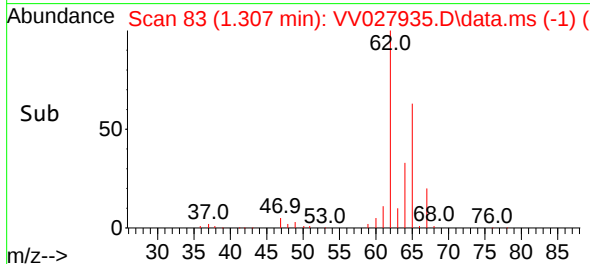
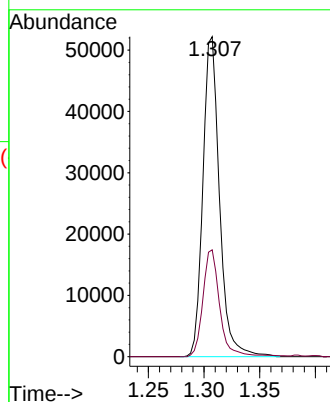
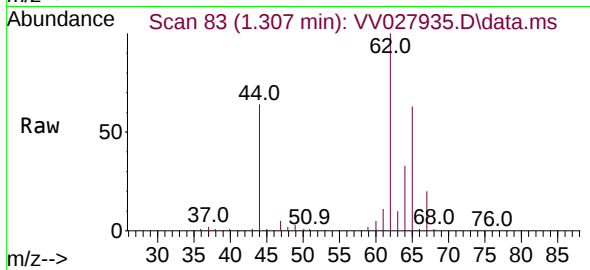




#5  
 Vinyl chloride  
 Concen: 4.893 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

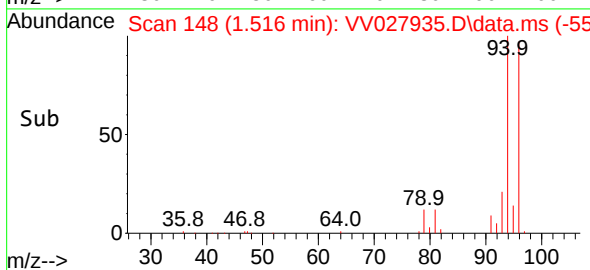
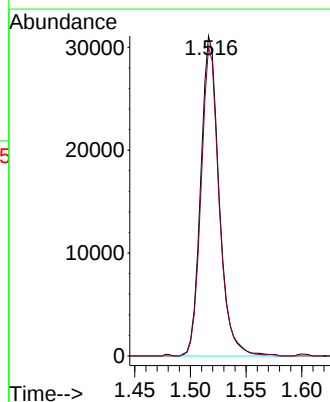
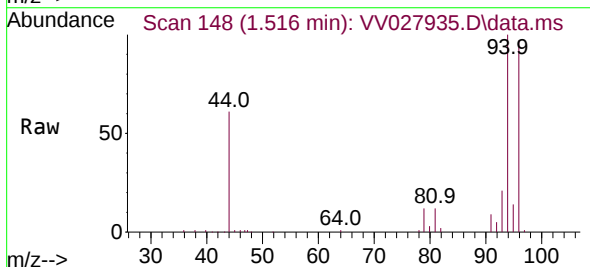
Instrument :  
 MSVOA\_V  
 ClientSampleId :

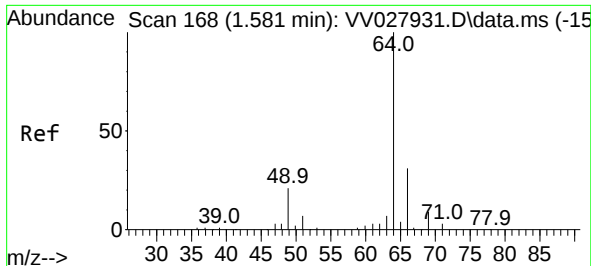
Tgt Ion: 62 Resp: 54244  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.4 43.6



#6  
 Bromomethane  
 Concen: 4.657 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

Tgt Ion: 94 Resp: 35651  
 Ion Ratio Lower Upper  
 94 100  
 96 96.5 63.1 117.3

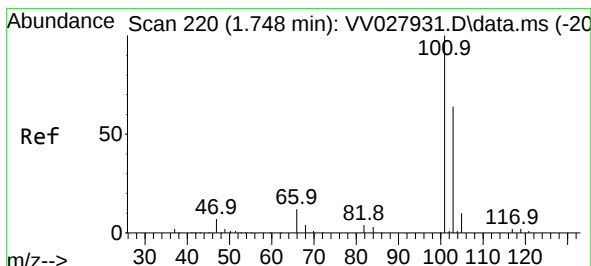
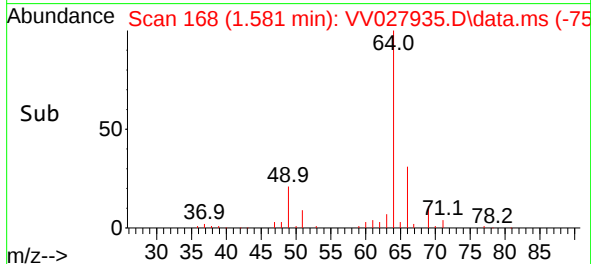
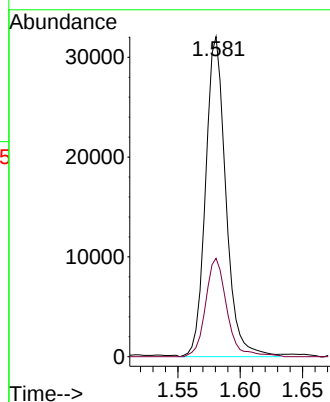
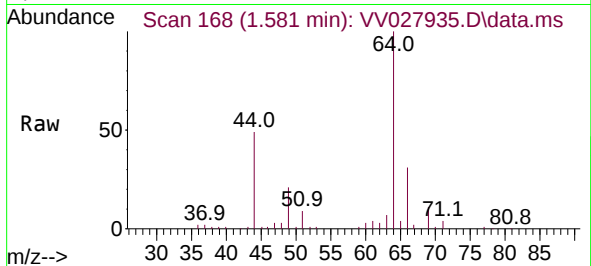




#8  
Chloroethane  
Concen: 4.850 ug/L  
RT: 1.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

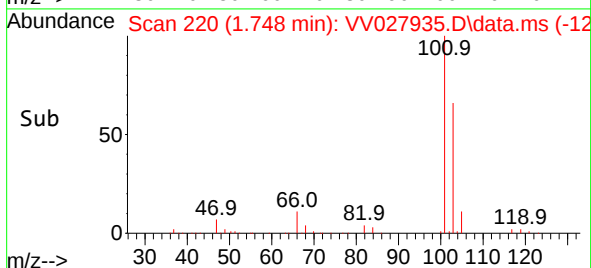
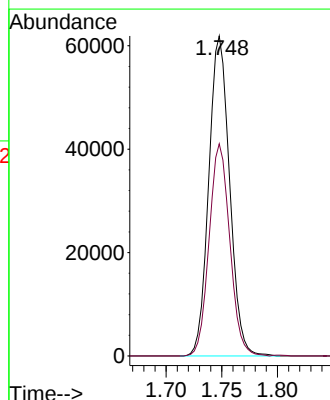
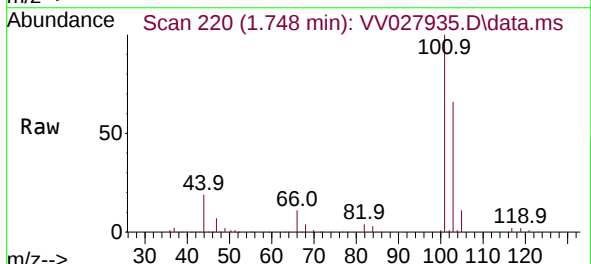
Instrument :  
MSVOA\_V  
ClientSampleId :

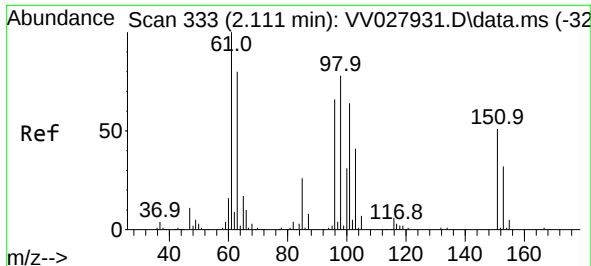
Tgt Ion: 64 Resp: 36357  
Ion Ratio Lower Upper  
64 100  
66 30.8 21.6 40.2



#9  
Trichlorofluoromethane  
Concen: 4.801 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion:101 Resp: 80433  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.7 77.5

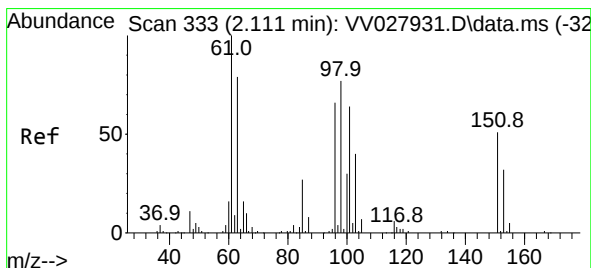
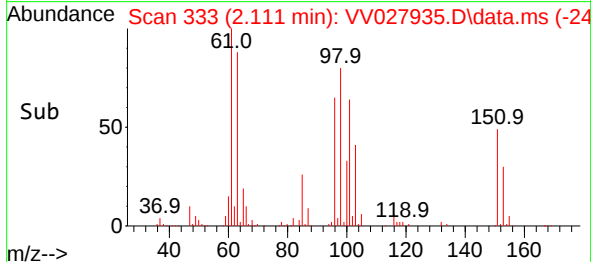
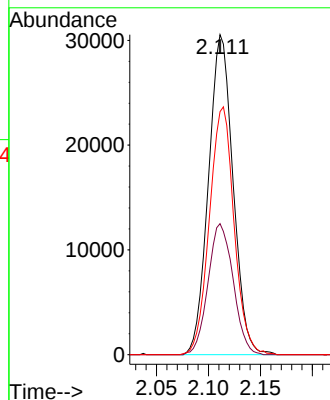
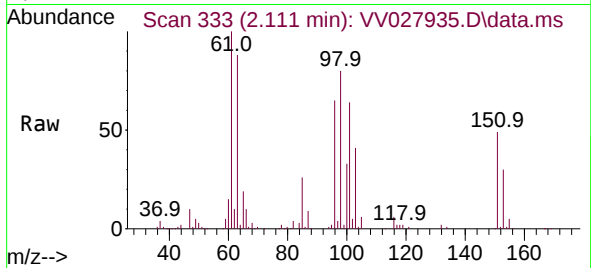




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.785 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

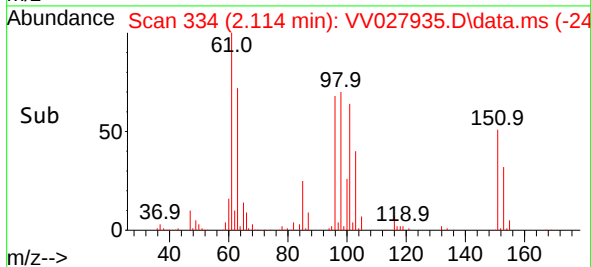
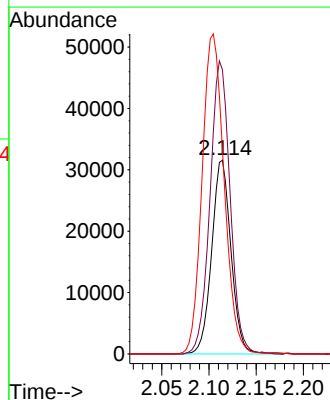
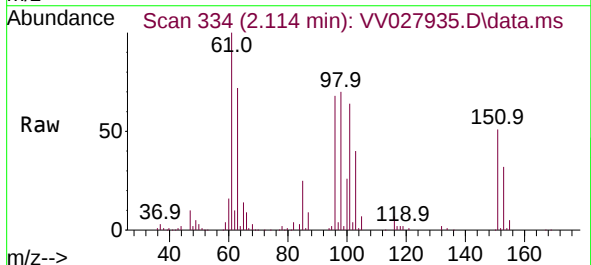
Instrument :  
 MSVOA\_V  
 ClientSampleId :

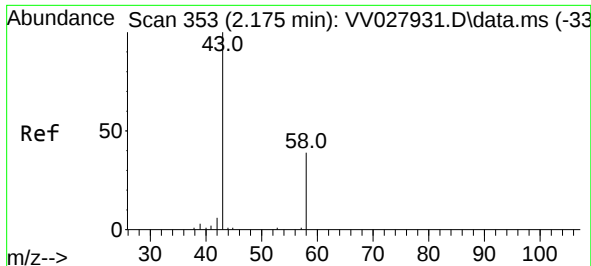
Tgt Ion:101 Resp: 50194  
 Ion Ratio Lower Upper  
 101 100  
 85 41.8 33.6 50.4  
 151 77.8 62.9 94.3



#12  
 1,1-Dichloroethene  
 Concen: 4.785 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.003 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

Tgt Ion: 96 Resp: 44889  
 Ion Ratio Lower Upper  
 96 100  
 61 146.6 106.2 197.2  
 63 105.5 85.0 158.0





#13

Acetone

Concen: 42.640 ug/L

RT: 2.175 min Scan# 353

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

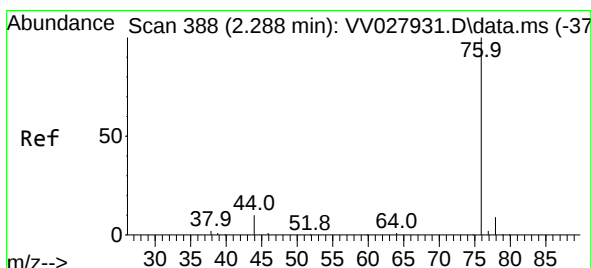
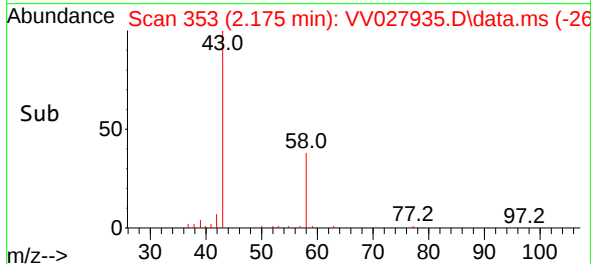
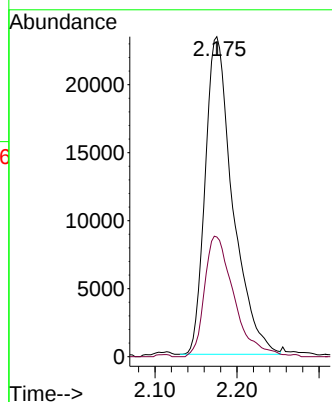
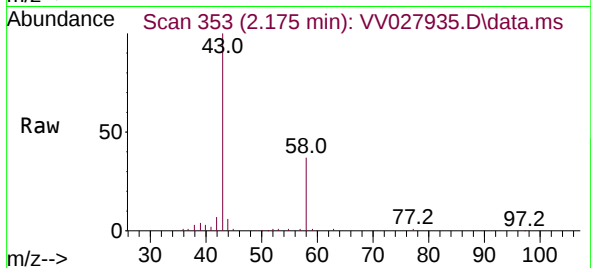
ClientSampleId :

Tgt Ion: 43 Resp: 54690

Ion Ratio Lower Upper

43 100

58 40.5 0.0 79.8



#14

Carbon disulfide

Concen: 4.864 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV027935.D

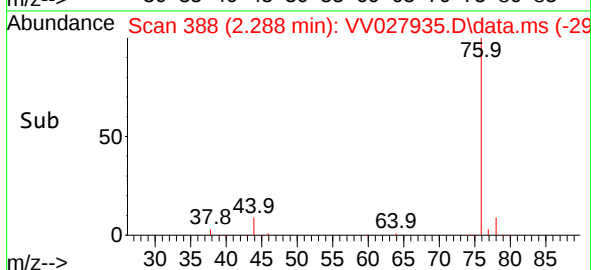
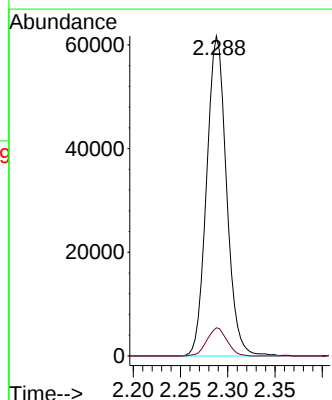
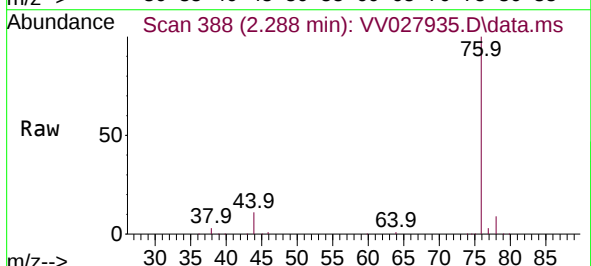
Acq: 19 Sep 2022 18:59

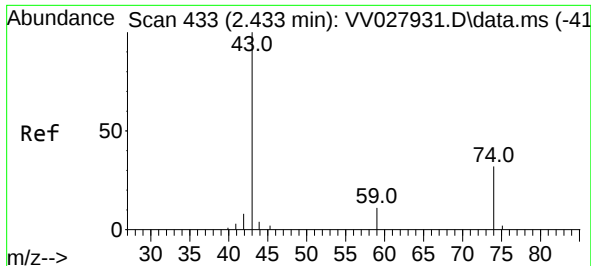
Tgt Ion: 76 Resp: 90372

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

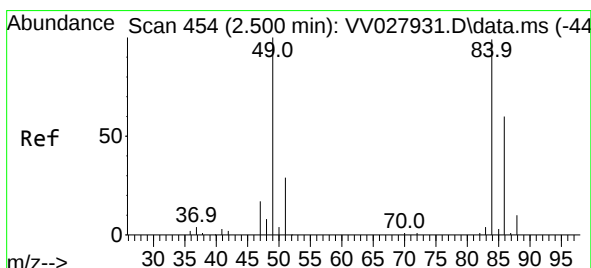
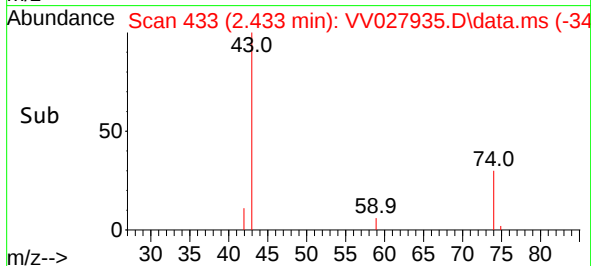
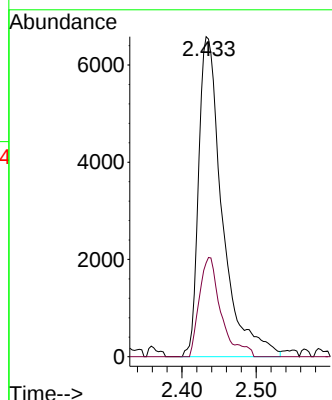
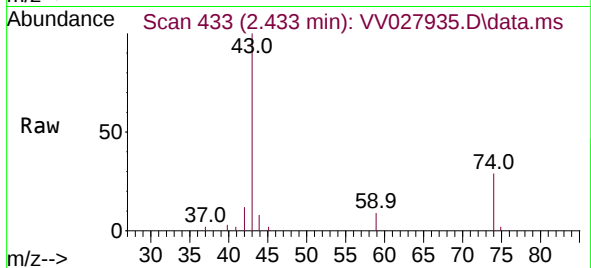




#15  
Methyl Acetate  
Concen: 5.359 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

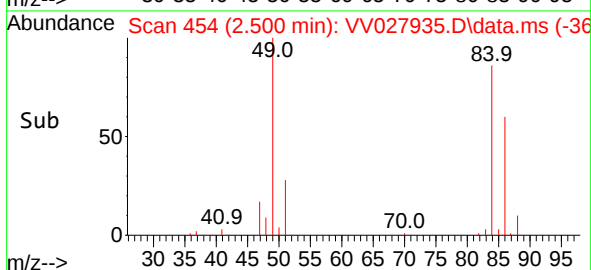
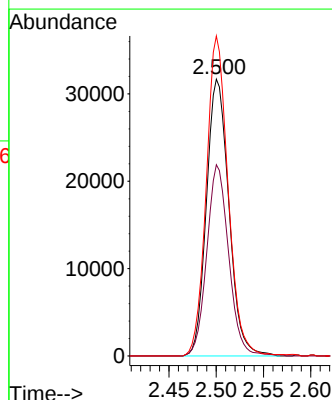
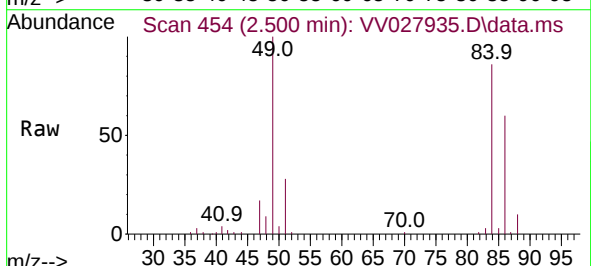
Instrument :  
MSVOA\_V  
ClientSampleId :

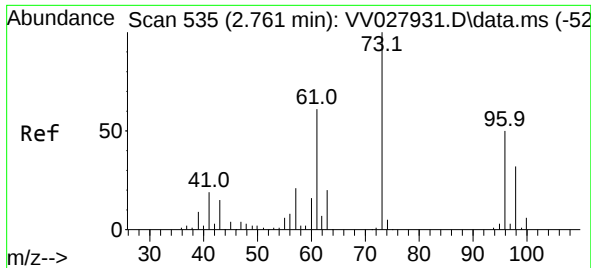
Tgt Ion: 43 Resp: 14601  
Ion Ratio Lower Upper  
43 100  
74 28.3 24.2 36.4



#16  
Methylene chloride  
Concen: 5.108 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 84 Resp: 52411  
Ion Ratio Lower Upper  
84 100  
86 69.1 42.4 78.6  
49 115.6 70.7 131.3

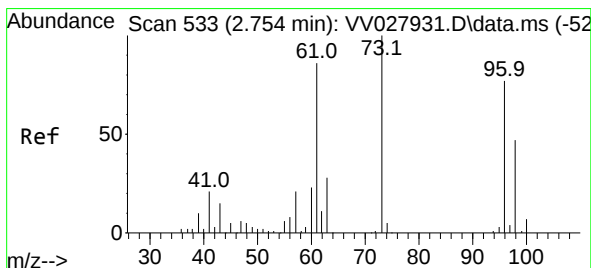
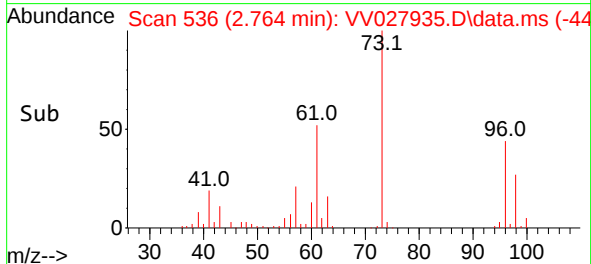
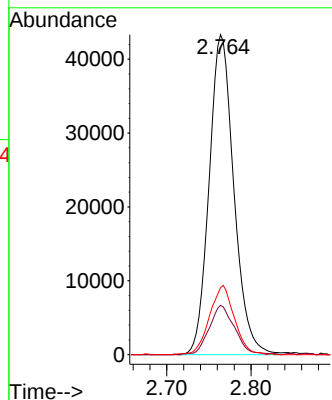
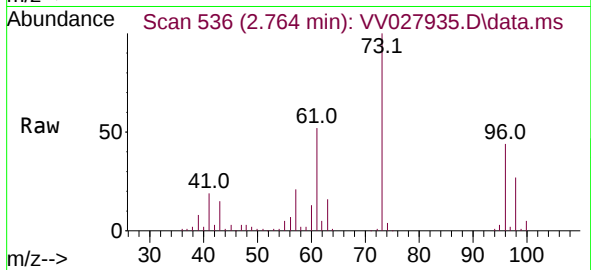




#17  
Methyl tert-butyl Ether  
Concen: 5.327 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

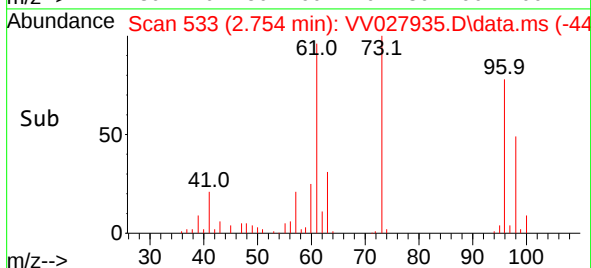
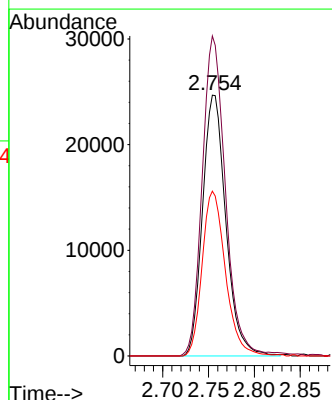
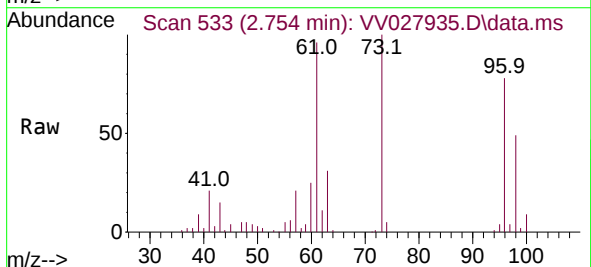
Instrument :  
MSVOA\_V  
ClientSampleId :

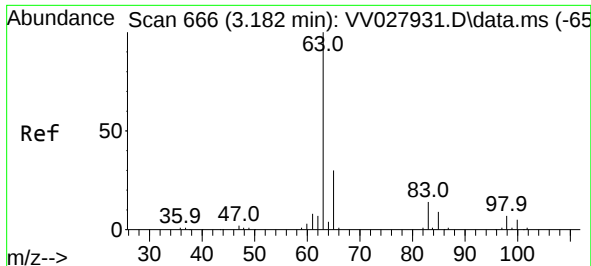
Tgt Ion: 73 Resp: 88344  
Ion Ratio Lower Upper  
73 100  
43 15.9 12.4 18.6  
57 21.7 16.6 25.0



#18  
trans-1,2-Dichloroethene  
Concen: 5.080 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 96 Resp: 43754  
Ion Ratio Lower Upper  
96 100  
61 122.7 78.3 145.5  
98 63.2 42.4 78.6





#19

1,1-Dichloroethane

Concen: 5.026 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV027935.D

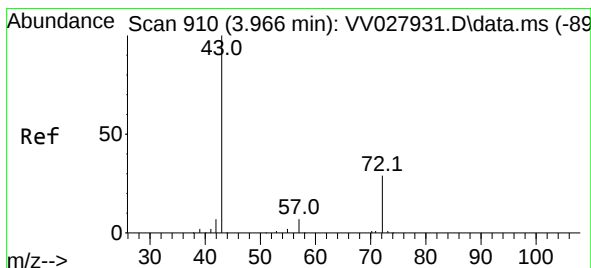
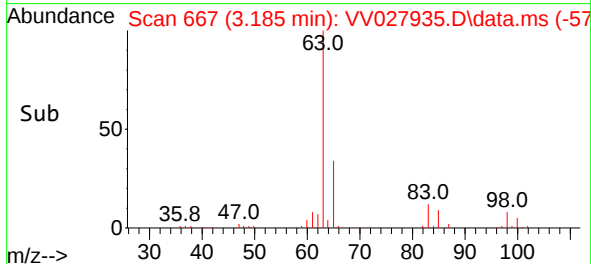
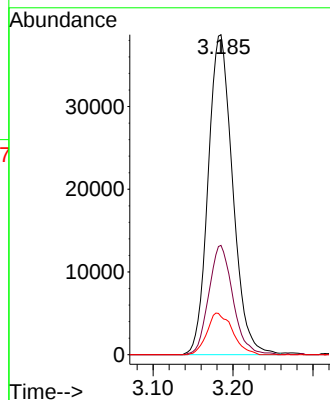
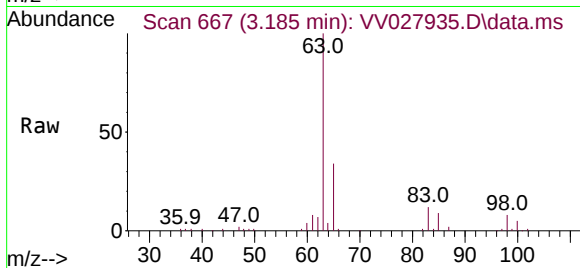
Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 82416 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 34.1  | 21.3  | 39.6  |
| 83       | 11.9  | 9.7   | 18.1  |



#21

2-Butanone

Concen: 54.226 ug/L

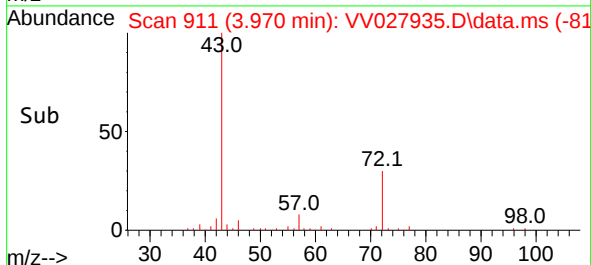
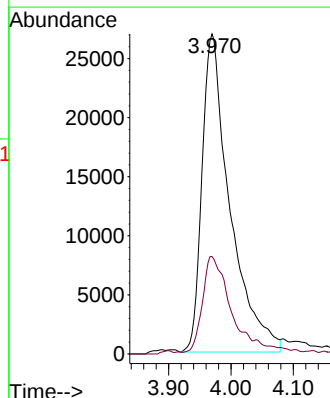
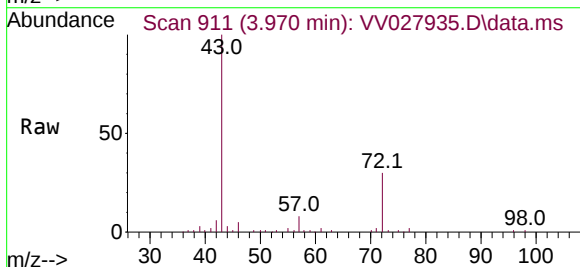
RT: 3.970 min Scan# 911

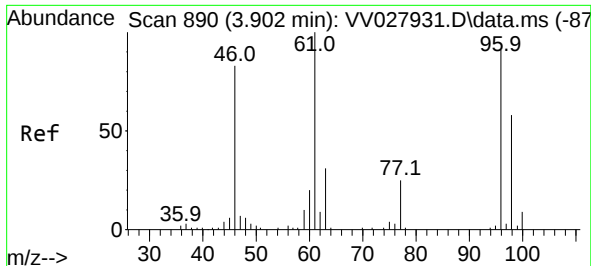
Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

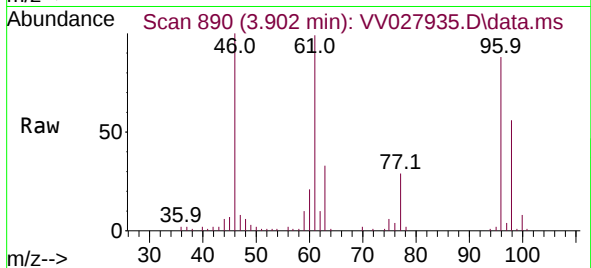
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 83618 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.8  | 14.9  | 44.9  |





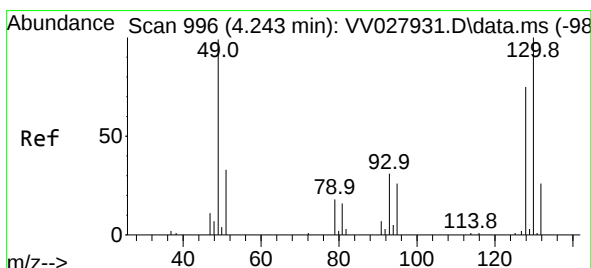
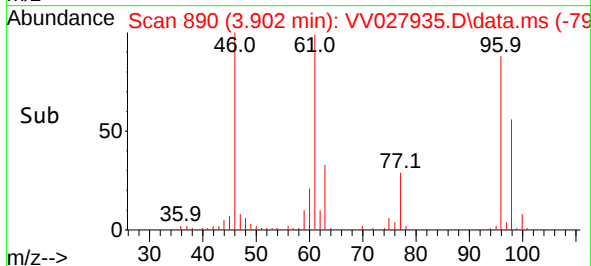
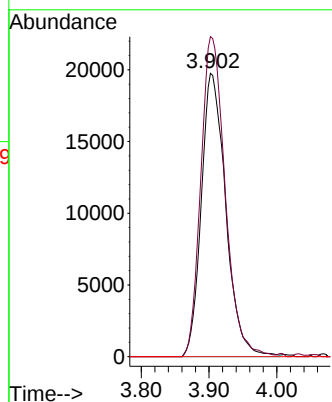
#22  
 cis-1,2-Dichloroethene  
 Concen: 5.125 ug/L  
 RT: 3.902 min Scan# 890  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 49419

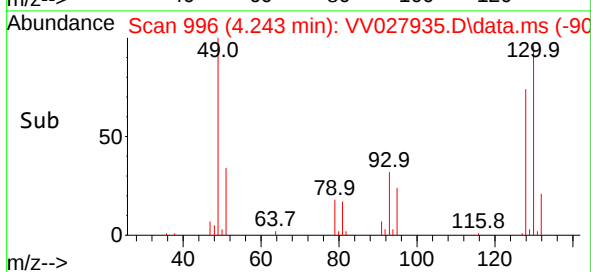
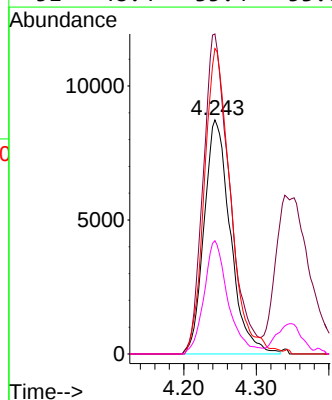
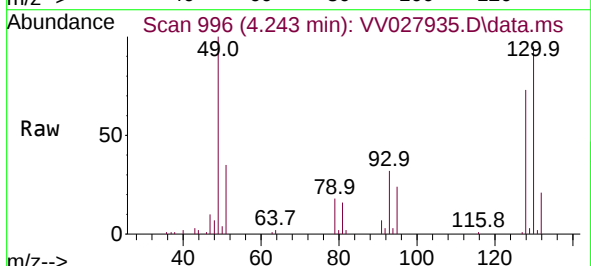
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 112.9 | 76.6  | 142.3 |
| 68  | 0.0   | 0.0   | 0.0   |

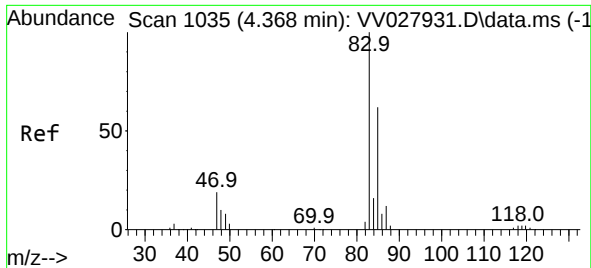


#23  
 Bromochloromethane  
 Concen: 5.045 ug/L  
 RT: 4.243 min Scan# 996  
 Delta R.T. -0.000 min  
 Lab File: VV027935.D  
 Acq: 19 Sep 2022 18:59

Tgt Ion: 128 Resp: 21968

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 136.7 | 93.4  | 173.6 |
| 130 | 130.5 | 93.9  | 174.5 |
| 51  | 48.4  | 35.4  | 53.0  |

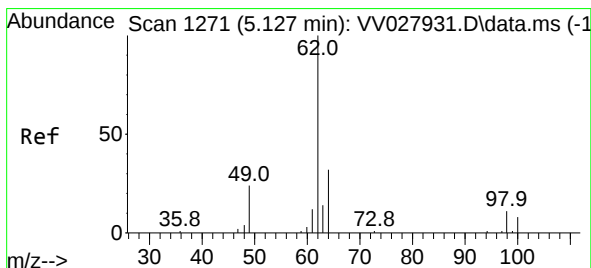
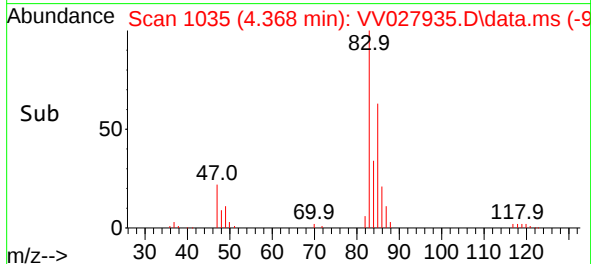
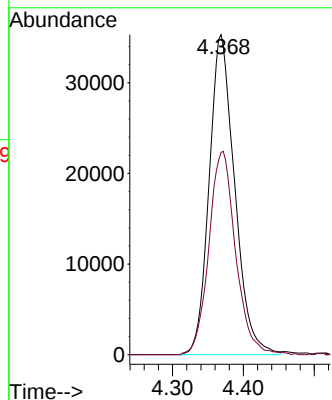
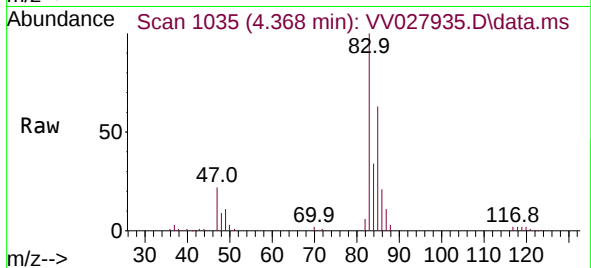




#25  
Chloroform  
Concen: 4.893 ug/L  
RT: 4.368 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

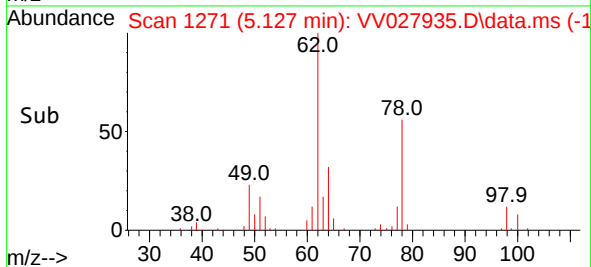
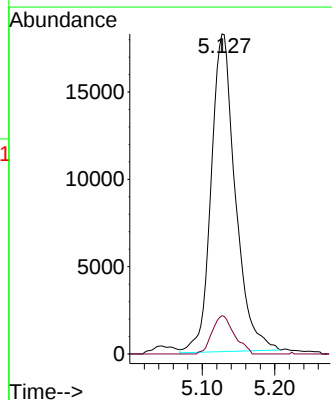
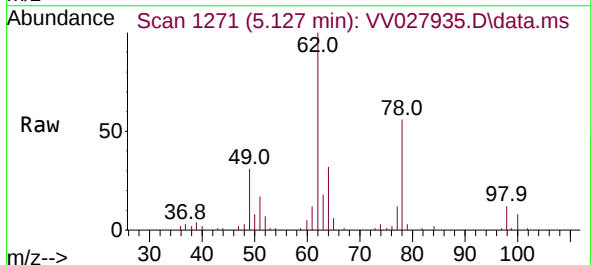
Instrument :  
MSVOA\_V  
ClientSampleId :

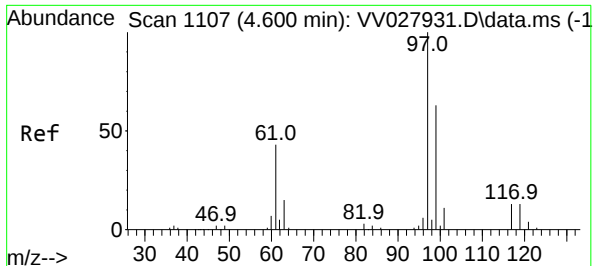
Tgt Ion: 83 Resp: 88326  
Ion Ratio Lower Upper  
83 100  
85 63.2 44.0 81.8



#27  
1,2-Dichloroethane  
Concen: 5.001 ug/L  
RT: 5.127 min Scan# 1271  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 62 Resp: 42275  
Ion Ratio Lower Upper  
62 100  
98 11.9 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 4.957 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV027935.D

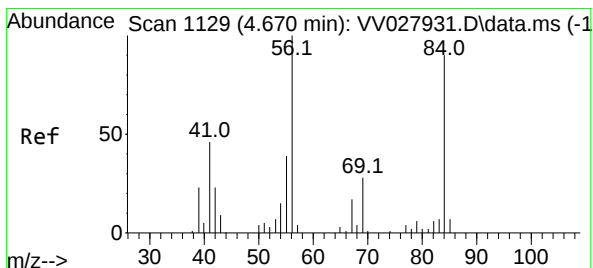
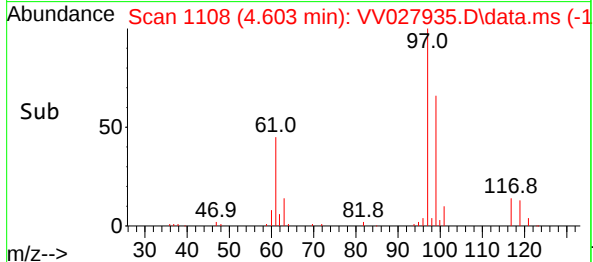
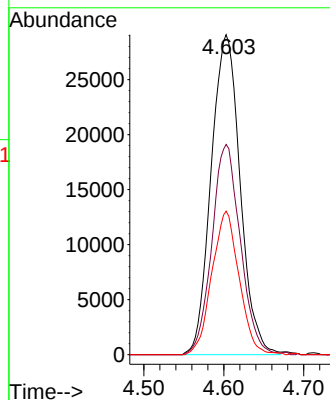
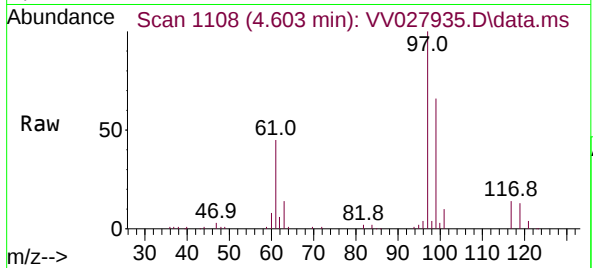
Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 73253 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.6  | 51.3  | 76.9  |
| 61       | 42.3  | 33.6  | 50.4  |



#30

Cyclohexane

Concen: 5.062 ug/L

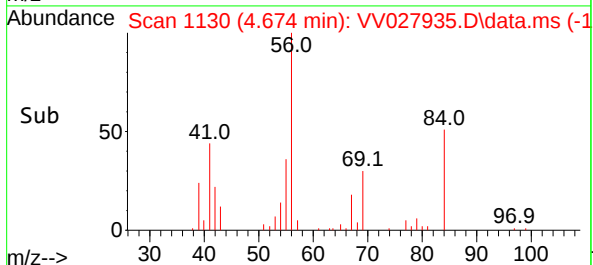
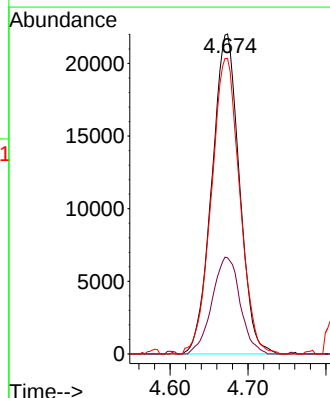
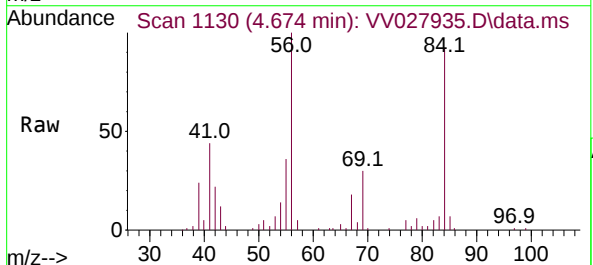
RT: 4.674 min Scan# 1130

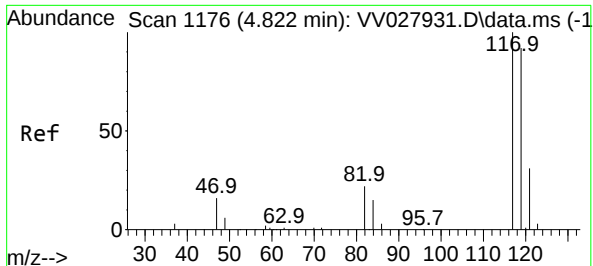
Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 53956 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.9  | 24.2  | 36.2  |
| 84       | 95.1  | 76.9  | 115.3 |

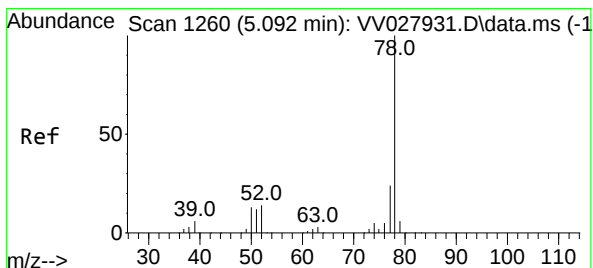
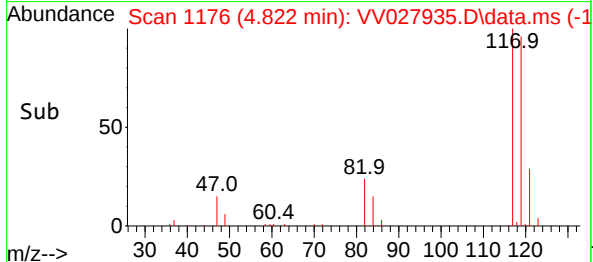
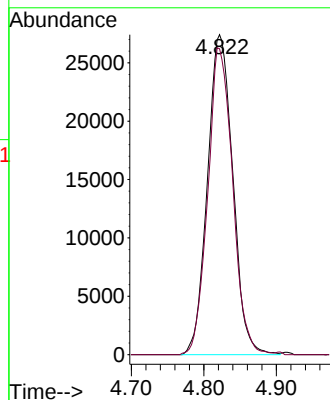
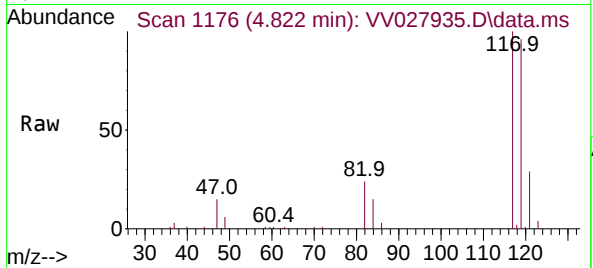




#31  
Carbon tetrachloride  
Concen: 5.039 ug/L  
RT: 4.822 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

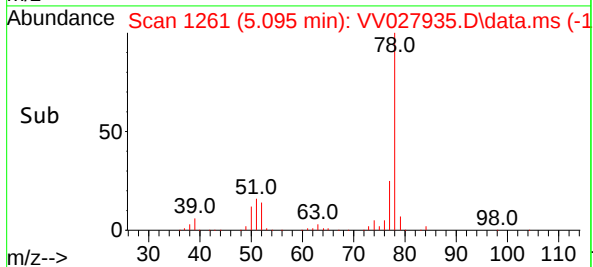
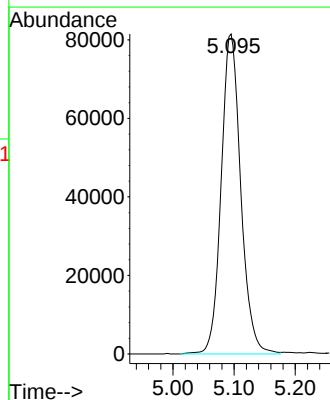
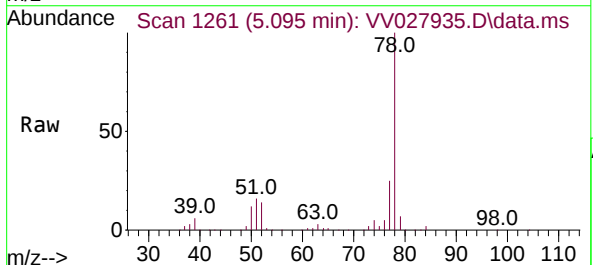
Instrument :  
MSVOA\_V  
ClientSampleId :

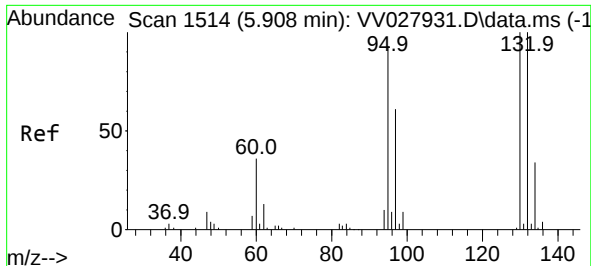
Tgt Ion:117 Resp: 66593  
Ion Ratio Lower Upper  
117 100  
119 94.0 74.2 111.4



#33  
Benzene  
Concen: 5.016 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 78 Resp: 181536

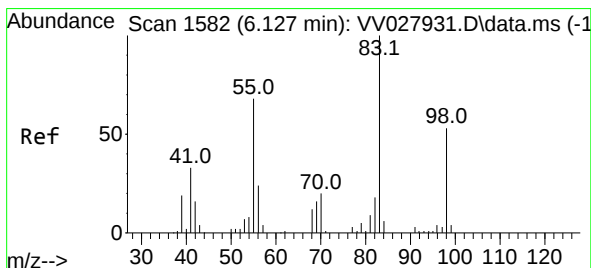
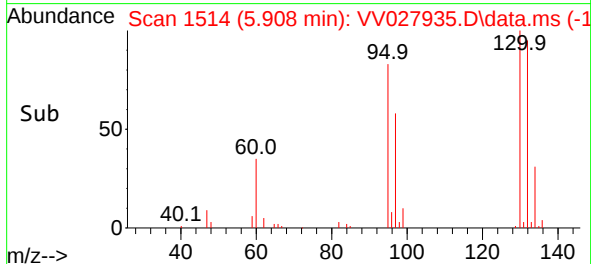
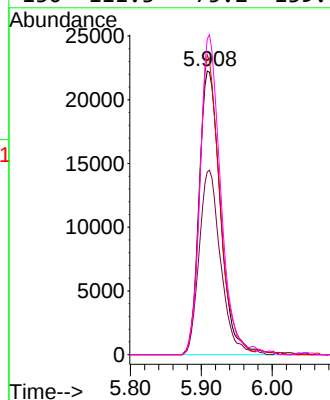
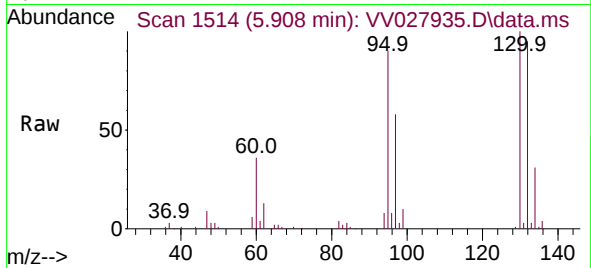




#34  
Trichloroethene  
Concen: 5.101 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

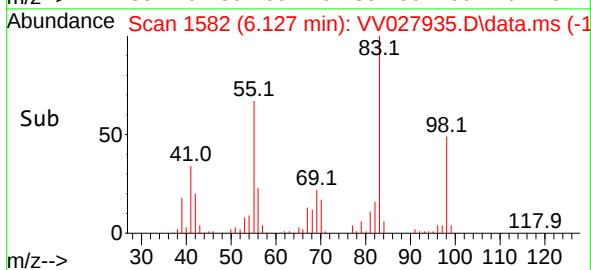
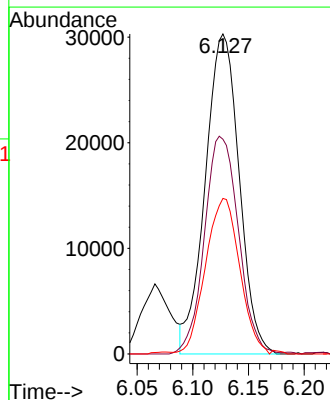
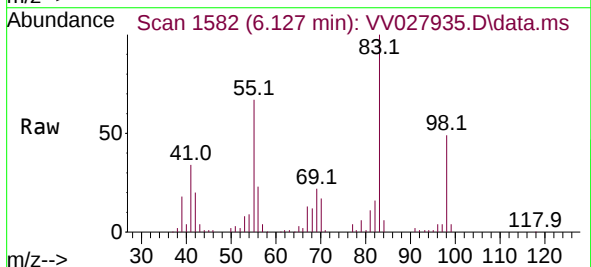
Instrument :  
MSVOA\_V  
ClientSampleId :

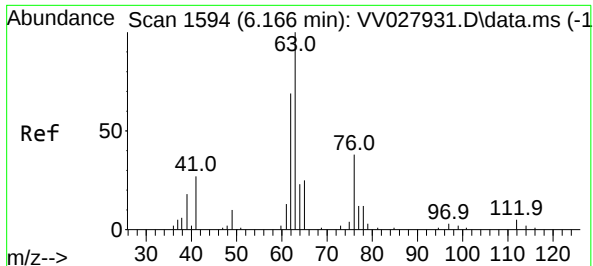
Tgt Ion: 95 Resp: 46362  
Ion Ratio Lower Upper  
95 100  
97 64.4 46.1 85.7  
132 105.7 75.2 139.6  
130 111.3 75.2 139.6



#35  
Methylcyclohexane  
Concen: 4.991 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 83 Resp: 64229  
Ion Ratio Lower Upper  
83 100  
55 68.3 54.5 81.7  
98 48.9 39.6 59.4





#37

1,2-Dichloropropane

Concen: 4.961 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

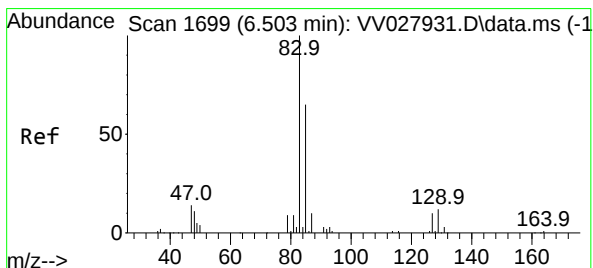
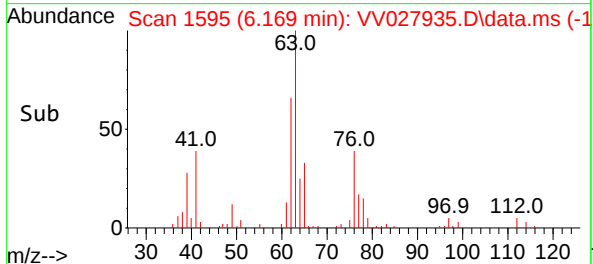
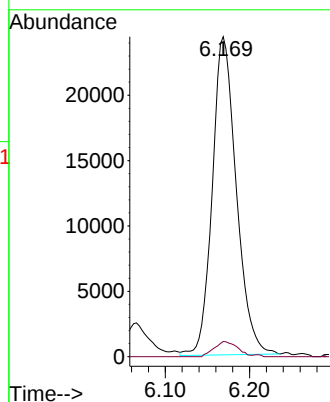
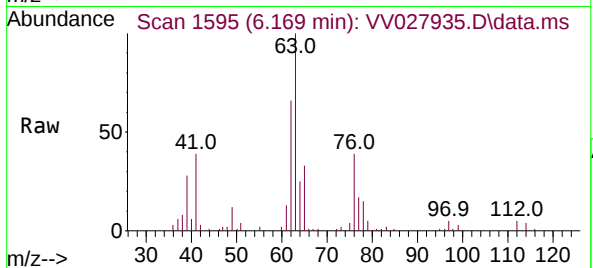
ClientSampleId :

Tgt Ion: 63 Resp: 48231

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 5.024 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

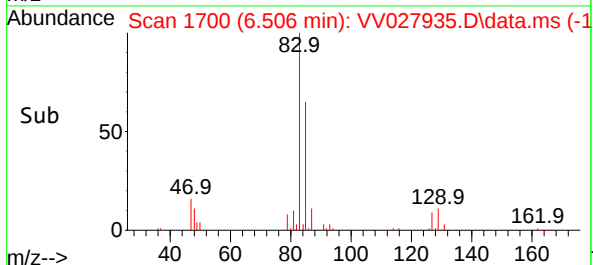
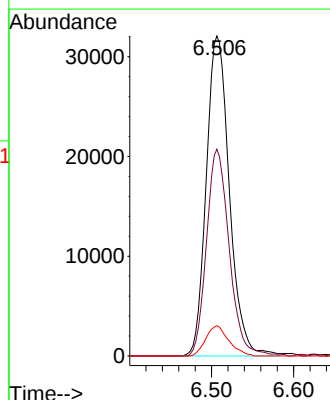
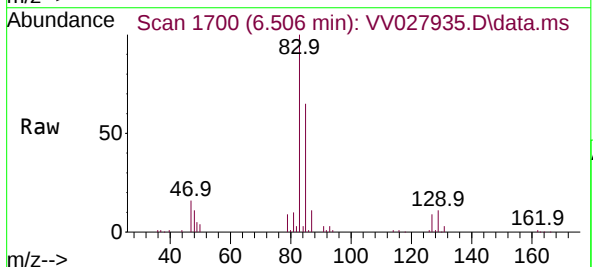
Tgt Ion: 83 Resp: 62761

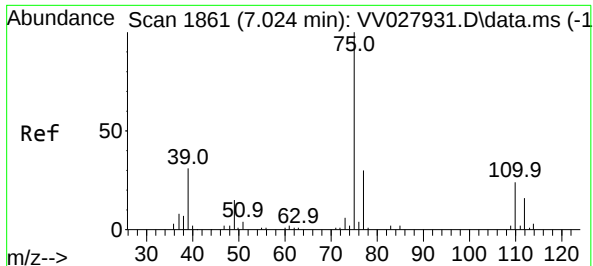
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

127 9.4 7.9 11.9





#39

cis-1,3-Dichloropropene

Concen: 5.002 ug/L

RT: 7.027 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

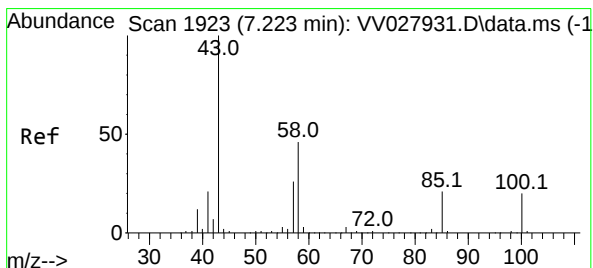
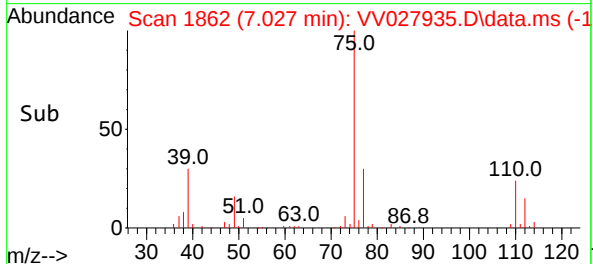
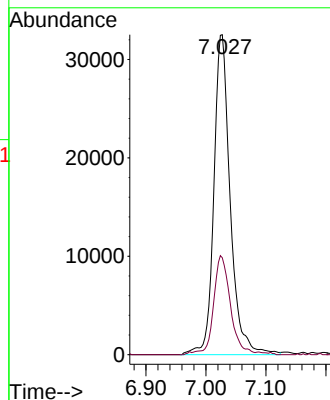
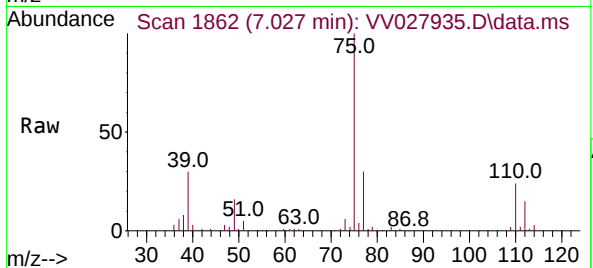
ClientSampleId :

Tgt Ion: 75 Resp: 61762

Ion Ratio Lower Upper

75 100

77 30.3 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 53.572 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

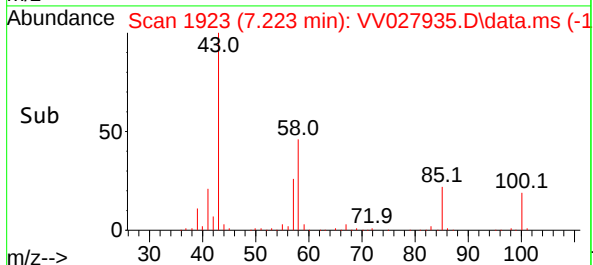
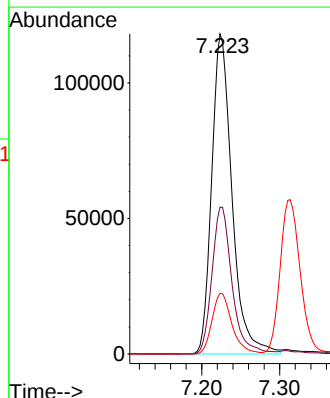
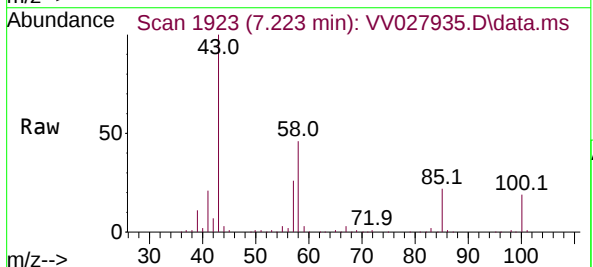
Tgt Ion: 43 Resp: 213520

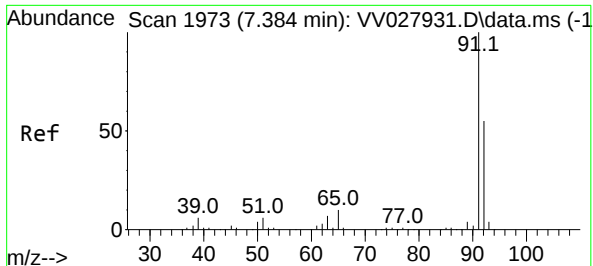
Ion Ratio Lower Upper

43 100

58 45.5 35.3 52.9

100 18.6 15.3 22.9





#42

Toluene

Concen: 5.084 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

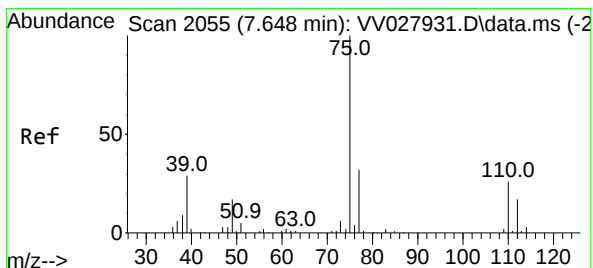
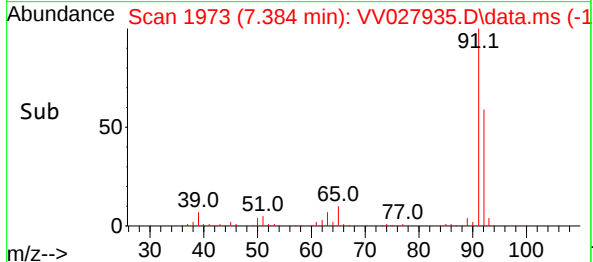
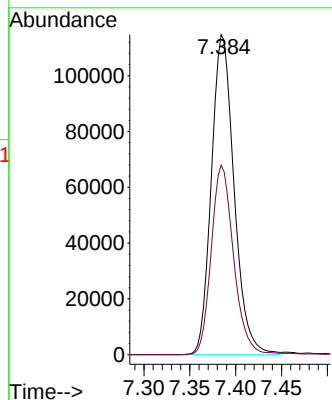
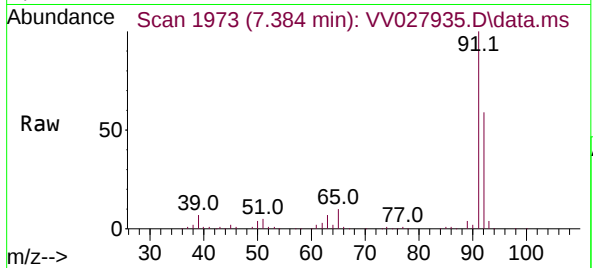
ClientSampleId :

Tgt Ion: 91 Resp: 197615

Ion Ratio Lower Upper

91 100

92 59.2 38.5 71.5



#44

trans-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.000 min

Lab File: VV027935.D

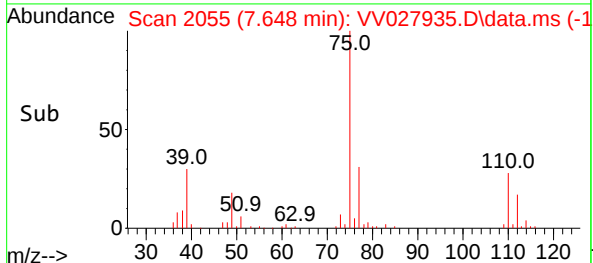
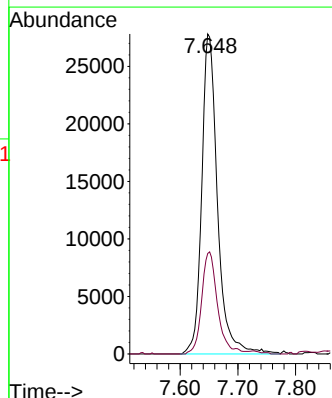
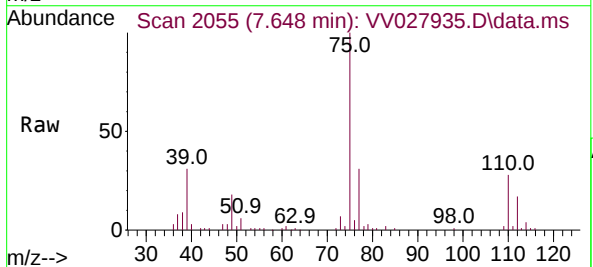
Acq: 19 Sep 2022 18:59

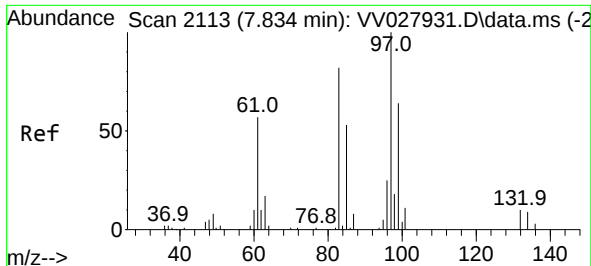
Tgt Ion: 75 Resp: 52703

Ion Ratio Lower Upper

75 100

77 31.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 4.922 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.003 min

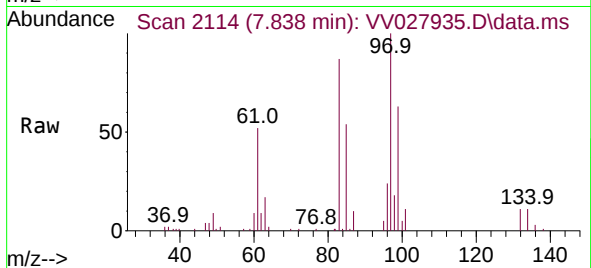
Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 97 Resp: 34921

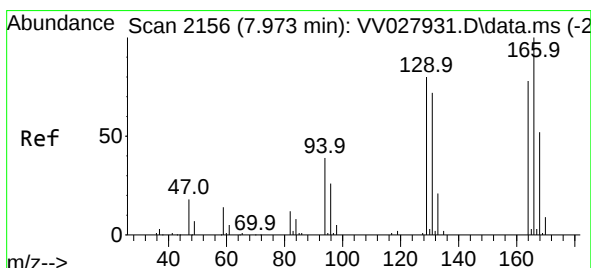
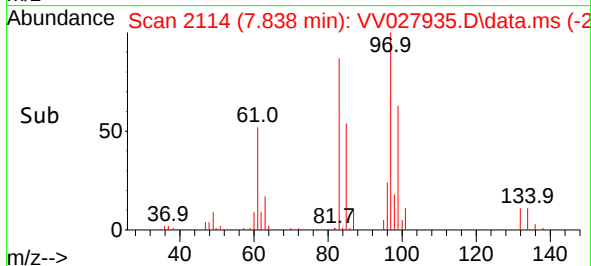
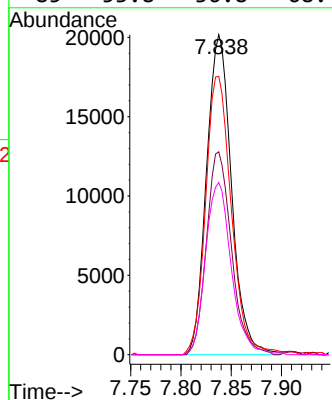
Ion Ratio Lower Upper

97 100

99 63.4 44.9 83.5

83 87.0 57.3 106.3

85 53.8 36.8 68.4



#47

Tetrachloroethene

Concen: 4.865 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Tgt Ion: 164 Resp: 39397

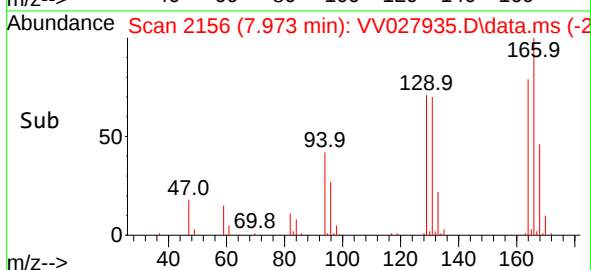
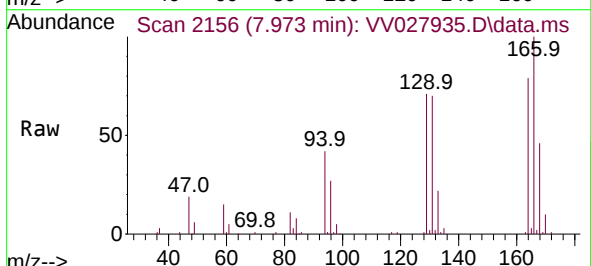
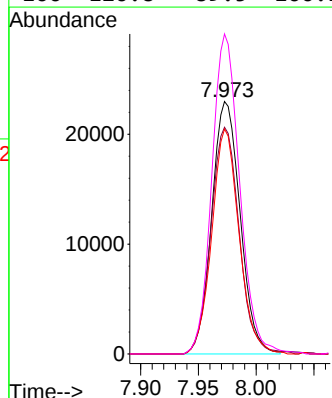
Ion Ratio Lower Upper

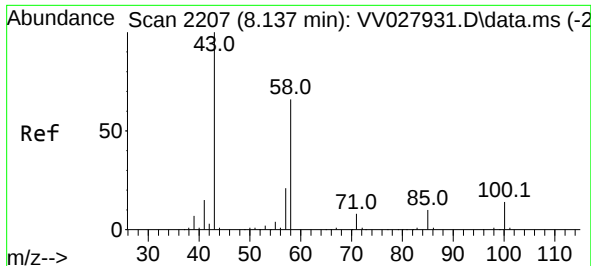
164 100

129 89.8 71.3 132.3

131 89.1 64.5 119.7

166 126.8 89.5 166.1

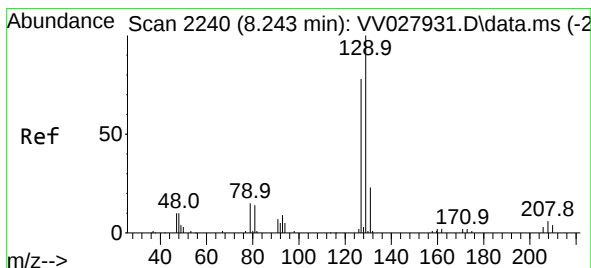
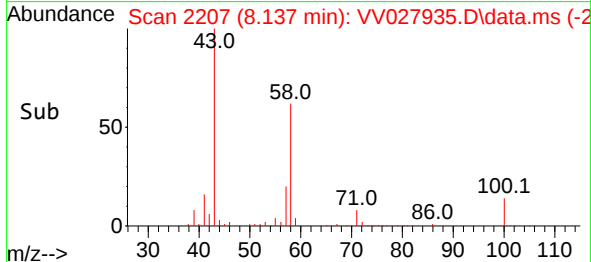
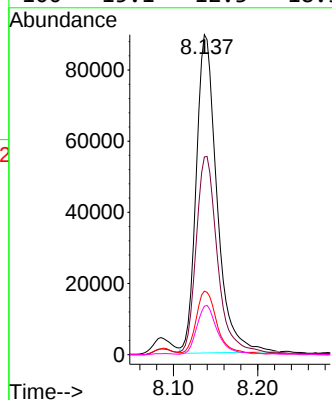
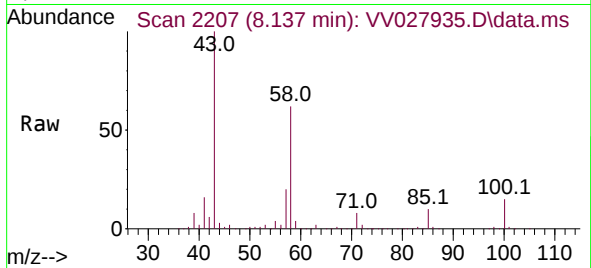




#48  
2-Hexanone  
Concen: 54.144 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

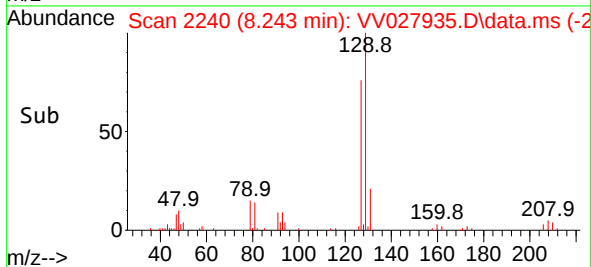
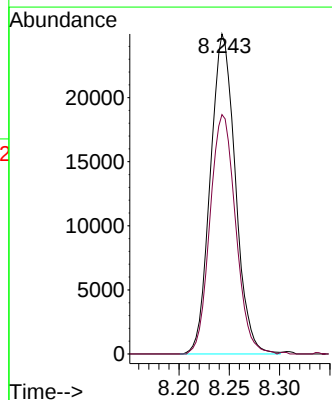
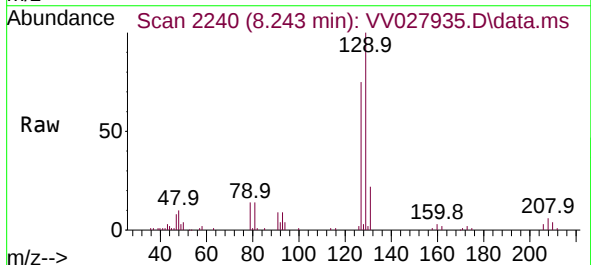
Instrument :  
MSVOA\_V  
ClientSampleId :

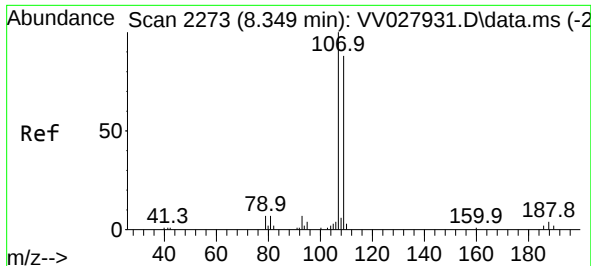
Tgt Ion: 43 Resp: 153260  
Ion Ratio Lower Upper  
43 100  
58 63.3 50.6 76.0  
57 20.1 16.2 24.4  
100 15.1 12.3 18.5



#49  
Dibromochloromethane  
Concen: 4.984 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion:129 Resp: 43208  
Ion Ratio Lower Upper  
129 100  
127 74.8 54.3 100.9





#50

1,2-Dibromoethane

Concen: 4.839 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV027935.D

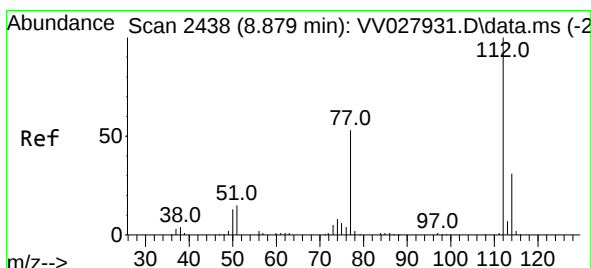
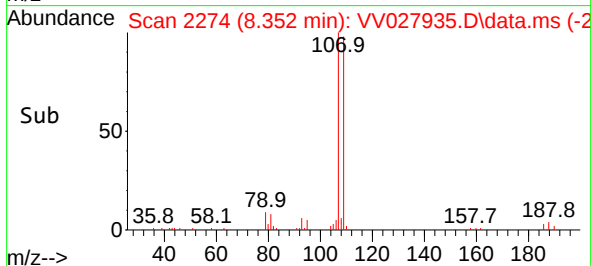
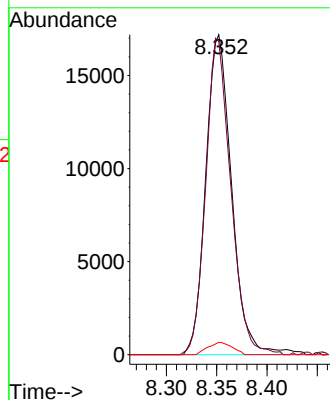
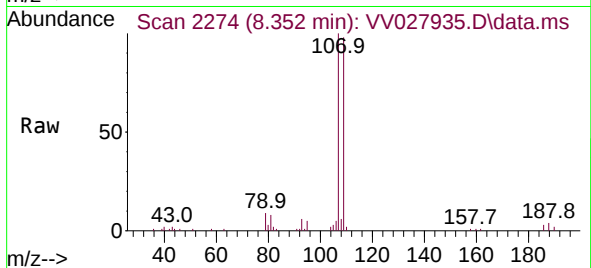
Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 30536 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 97.8  | 61.4  | 114.0 |
| 188      | 3.8   | 3.1   | 4.7   |



#51

Chlorobenzene

Concen: 5.020 ug/L

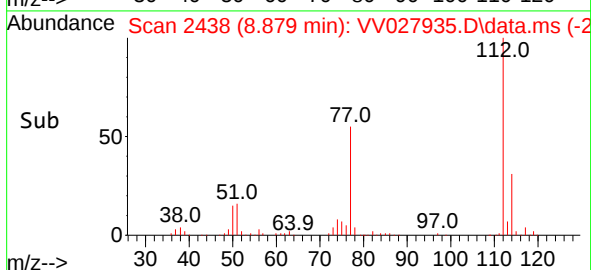
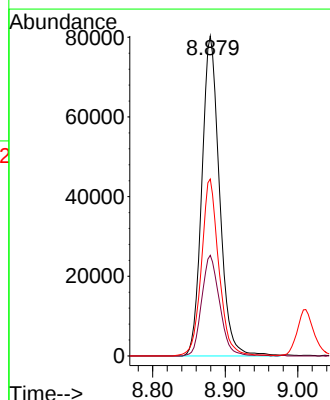
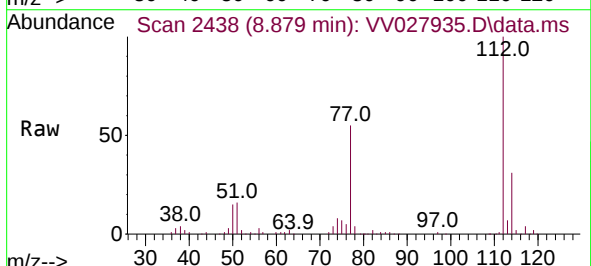
RT: 8.879 min Scan# 2438

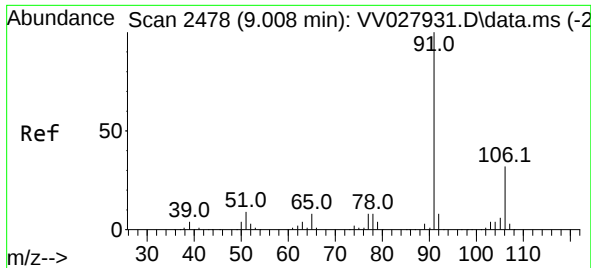
Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 135826 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.4  | 22.0  | 40.8   |
| 77       | 55.3  | 42.7  | 64.1   |





#52

Ethylbenzene

Concen: 5.072 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

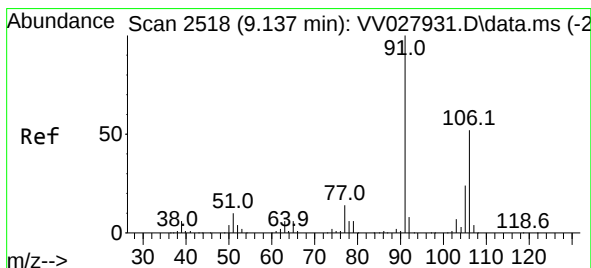
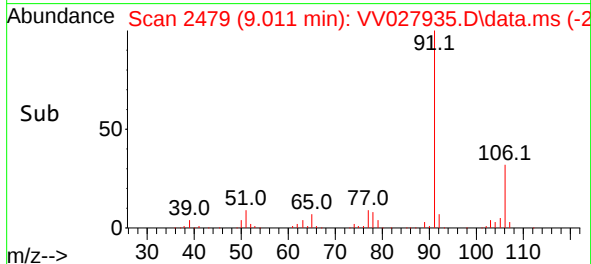
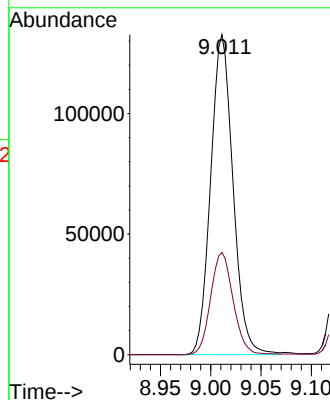
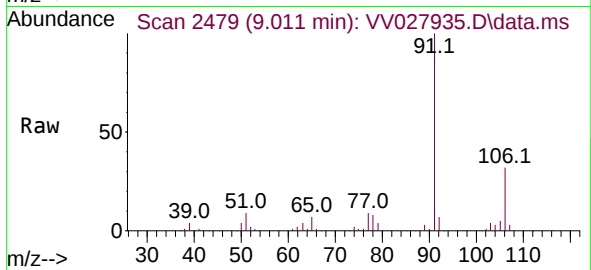
ClientSampleId :

Tgt Ion: 91 Resp: 204999

Ion Ratio Lower Upper

91 100

106 32.0 22.2 41.2



#53

m,p-Xylene

Concen: 5.159 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. -0.000 min

Lab File: VV027935.D

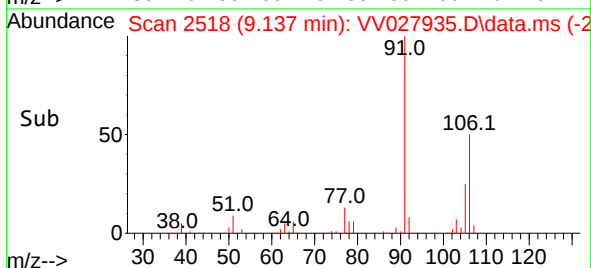
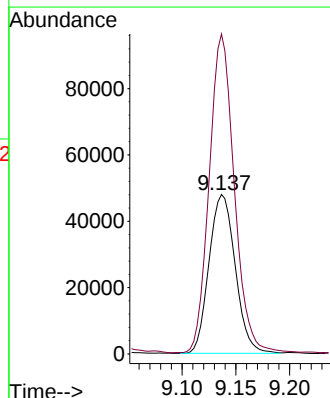
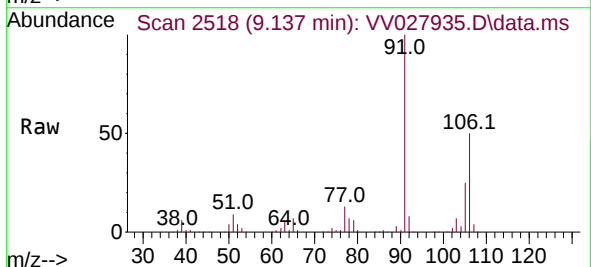
Acq: 19 Sep 2022 18:59

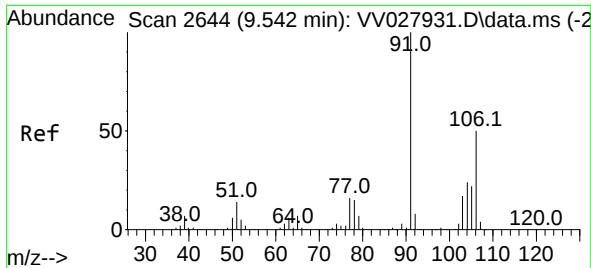
Tgt Ion:106 Resp: 81206

Ion Ratio Lower Upper

106 100

91 200.6 134.7 250.1

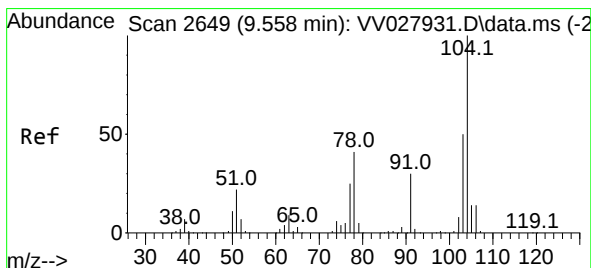
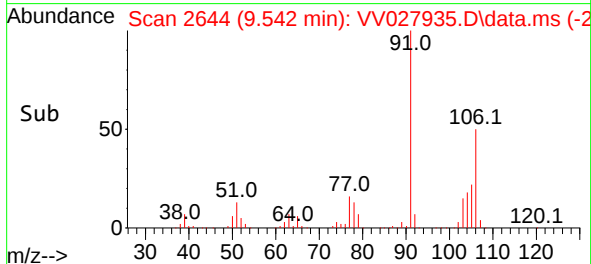
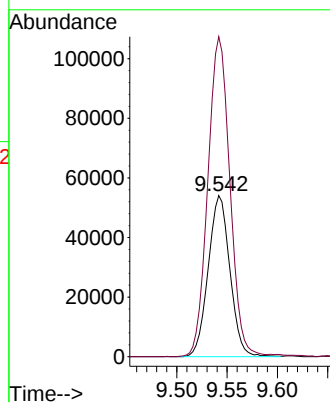
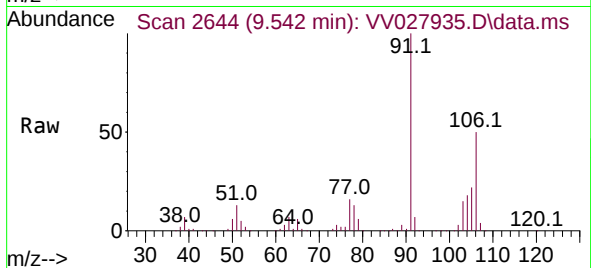




#54  
o-Xylene  
Concen: 5.174 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

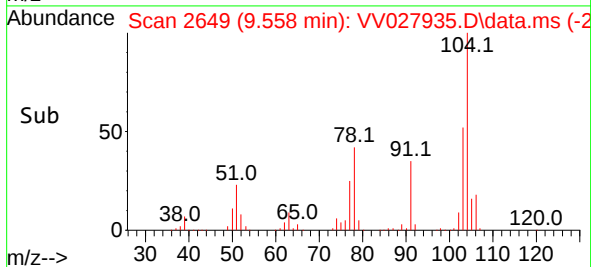
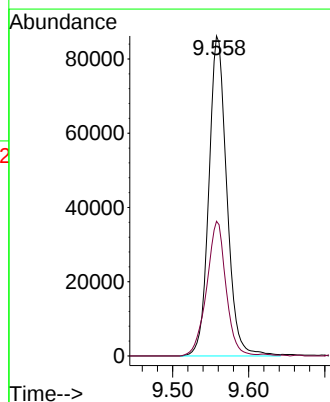
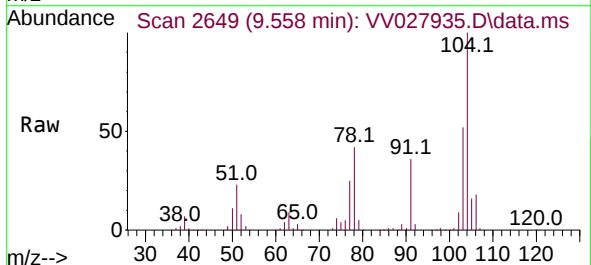
Instrument :  
MSVOA\_V  
ClientSampleId :

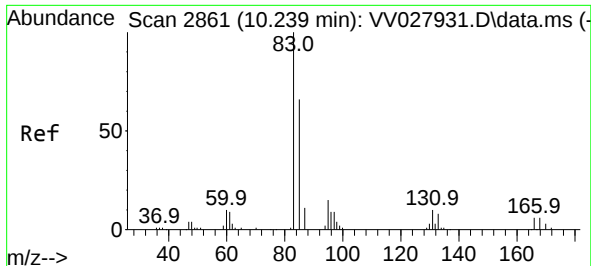
Tgt Ion:106 Resp: 81139  
Ion Ratio Lower Upper  
106 100  
91 198.5 139.4 259.0



#55  
Styrene  
Concen: 5.206 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion:104 Resp: 141420  
Ion Ratio Lower Upper  
104 100  
78 42.1 28.4 52.8





#57

1,1,2,2-Tetrachloroethane

Concen: 4.717 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :

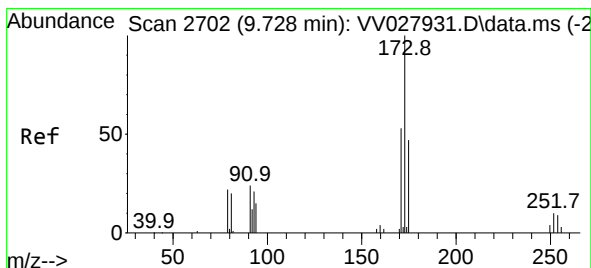
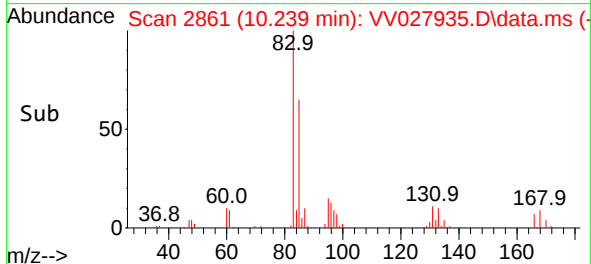
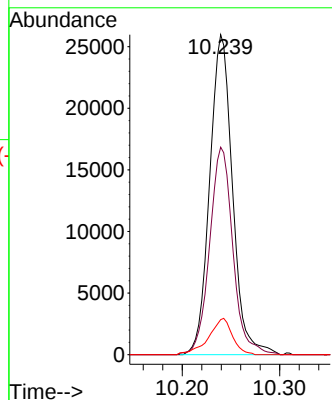
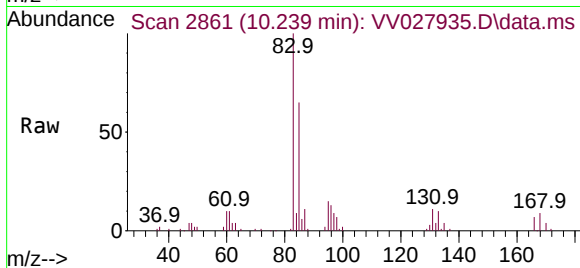
Tgt Ion: 83 Resp: 42236

Ion Ratio Lower Upper

83 100

85 64.8 46.5 86.3

131 10.9 8.3 12.5



#59

Bromoform

Concen: 4.680 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

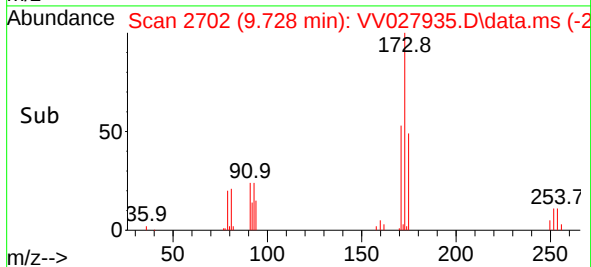
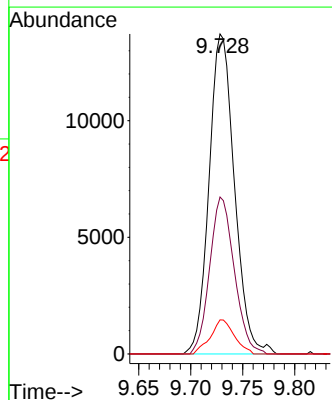
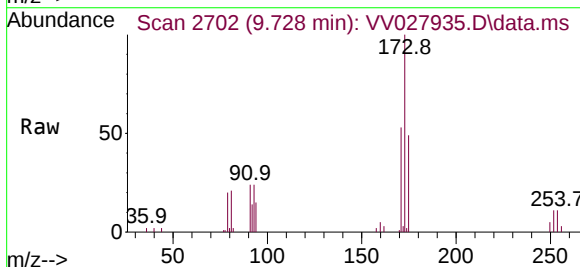
Tgt Ion: 173 Resp: 23291

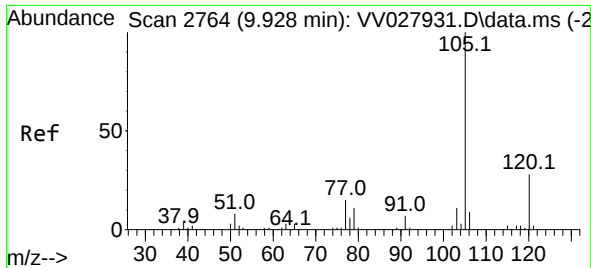
Ion Ratio Lower Upper

173 100

175 47.5 37.5 56.3

254 10.1 7.3 10.9

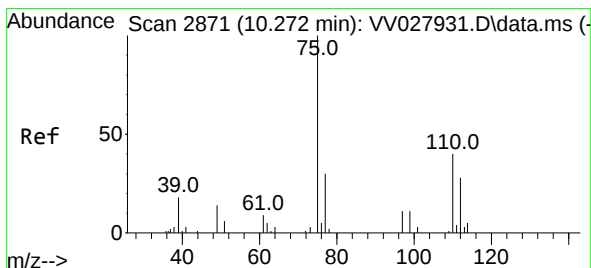
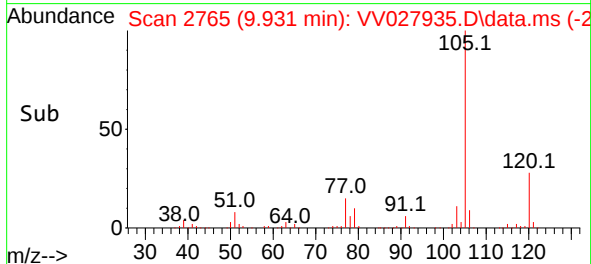
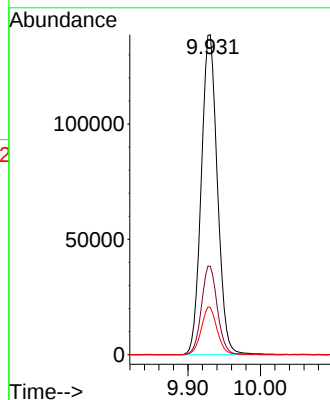
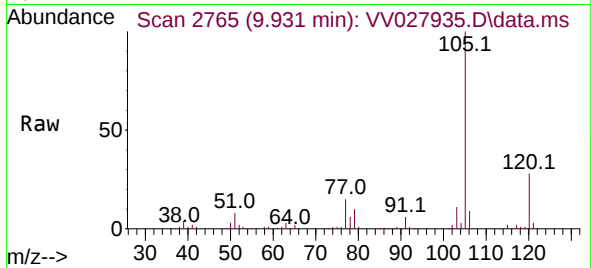




#60  
Isopropylbenzene  
Concen: 5.098 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

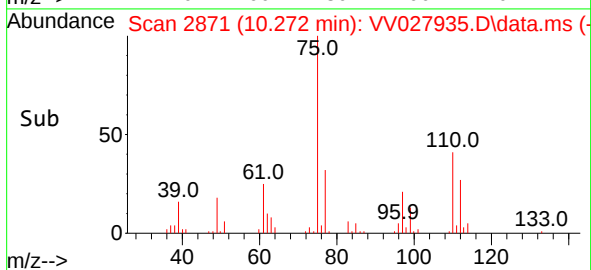
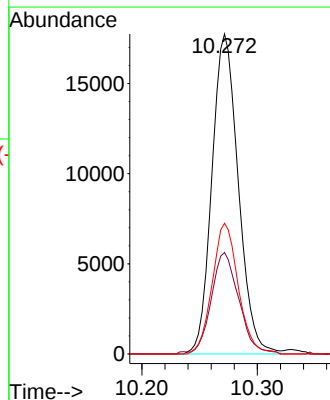
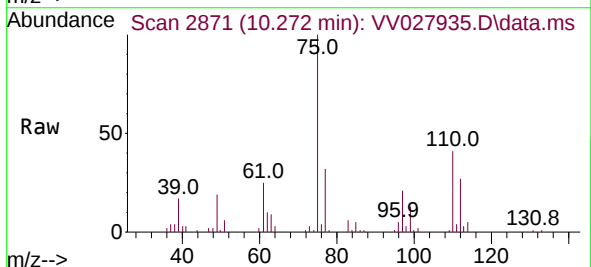
Instrument :  
MSVOA\_V  
ClientSampleId :

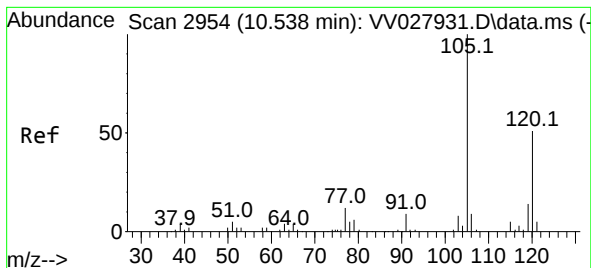
Tgt Ion:105 Resp: 214231  
Ion Ratio Lower Upper  
105 100  
120 27.4 22.3 33.5  
77 14.7 11.7 17.5



#61  
1,2,3-Trichloropropane  
Concen: 5.089 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion: 75 Resp: 28180  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.1 39.1  
110 40.3 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 4.819 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

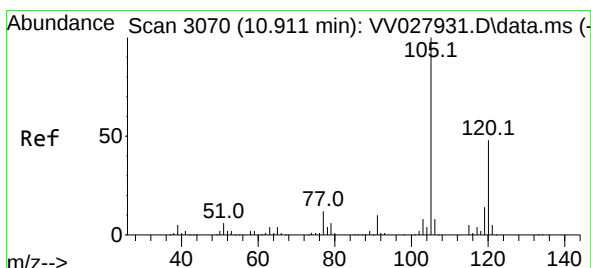
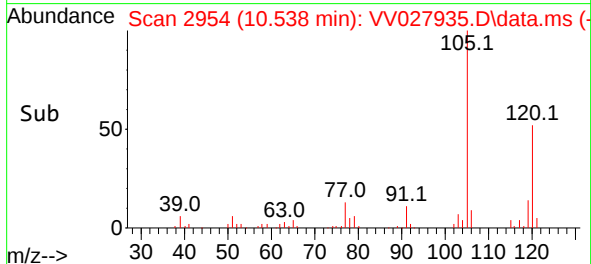
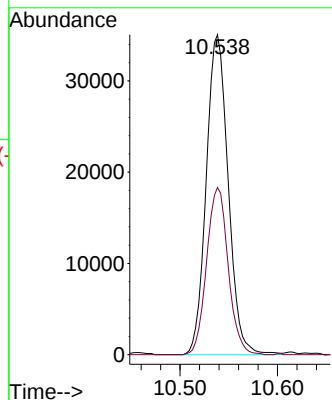
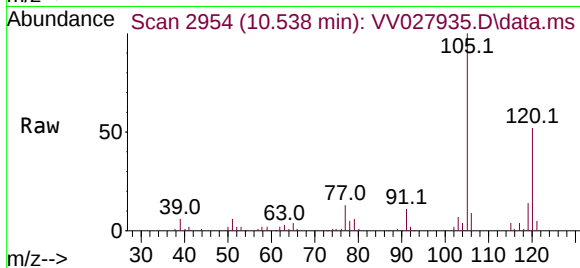
ClientSampleId :

Tgt Ion:105 Resp: 54829

Ion Ratio Lower Upper

105 100

120 51.3 40.2 60.2



#63

1,2,4-Trimethylbenzene

Concen: 4.917 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV027935.D

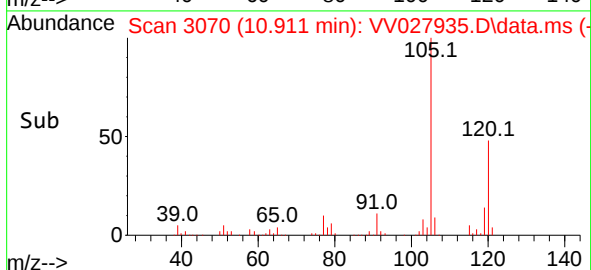
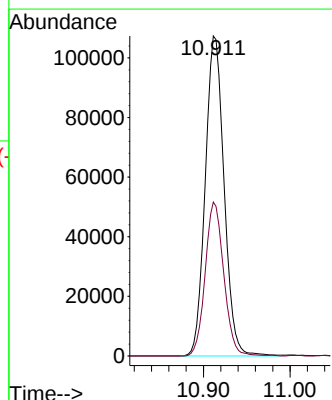
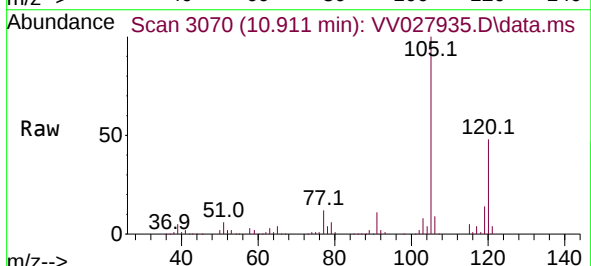
Acq: 19 Sep 2022 18:59

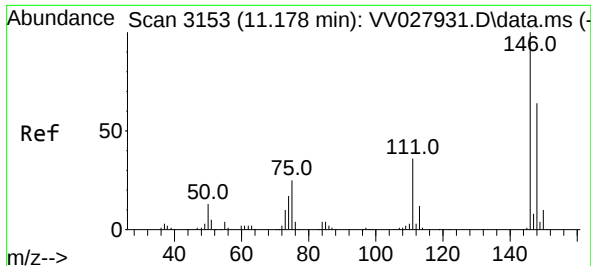
Tgt Ion:105 Resp: 162394

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

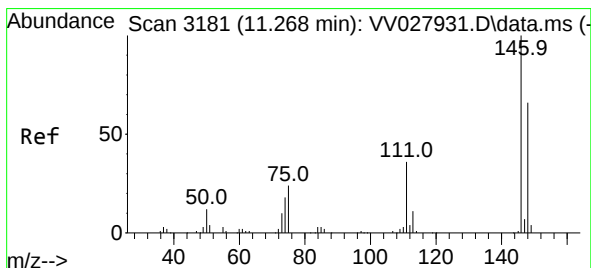
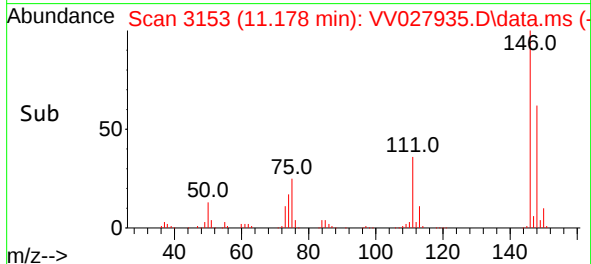
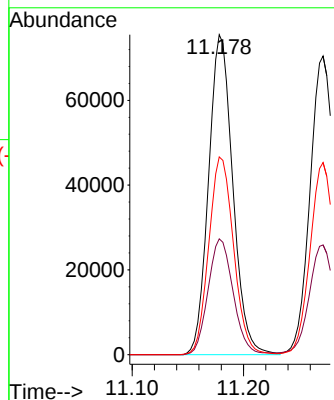
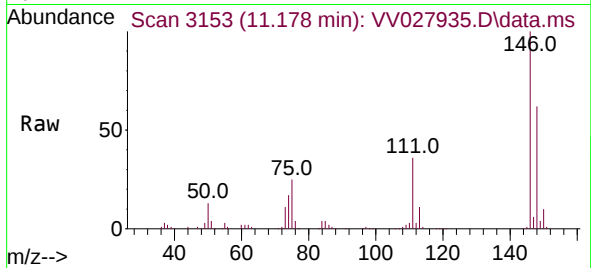




#64  
1,3-Dichlorobenzene  
Concen: 4.993 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

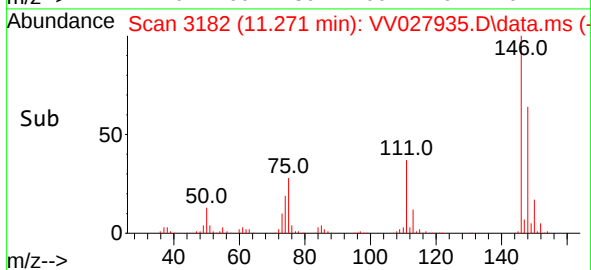
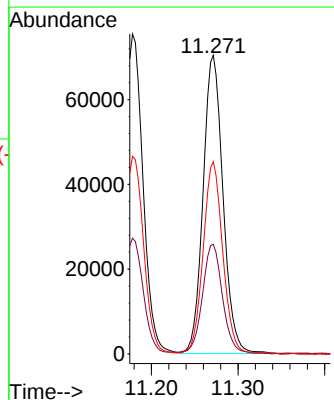
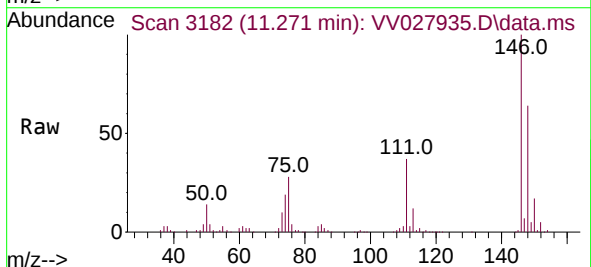
Instrument :  
MSVOA\_V  
ClientSampleId :

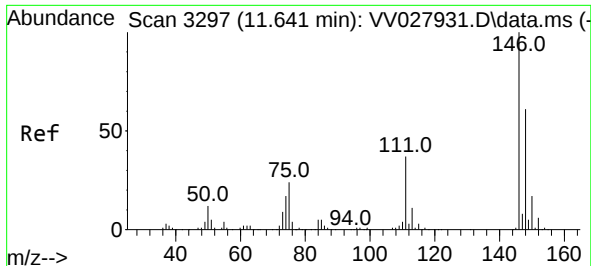
Tgt Ion:146 Resp: 114353  
Ion Ratio Lower Upper  
146 100  
111 36.2 25.3 46.9  
148 61.8 44.4 82.5



#65  
1,4-Dichlorobenzene  
Concen: 4.871 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

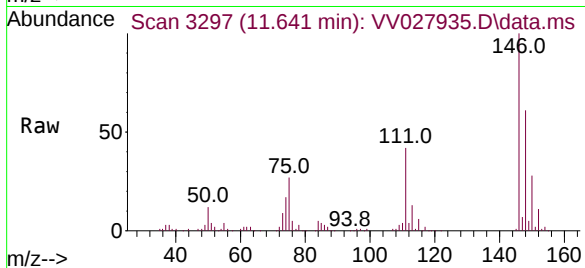
Tgt Ion:146 Resp: 112609  
Ion Ratio Lower Upper  
146 100  
111 36.8 25.2 46.8  
148 64.3 46.2 85.8



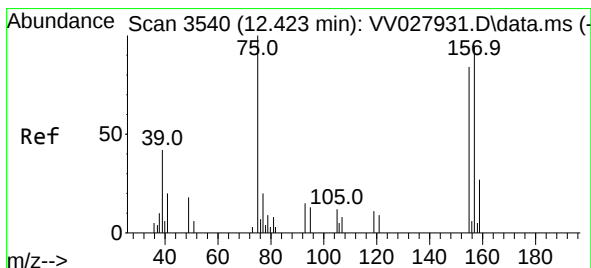
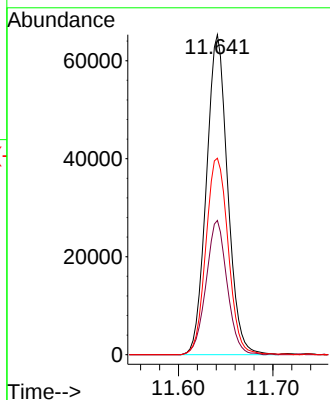
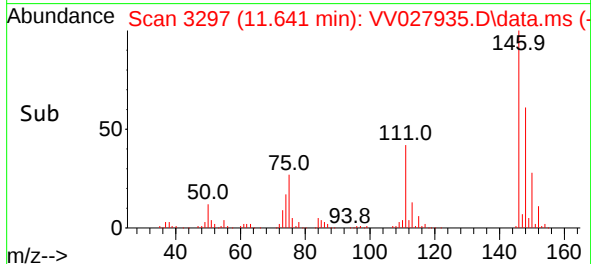


#67  
1,2-Dichlorobenzene  
Concen: 4.836 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

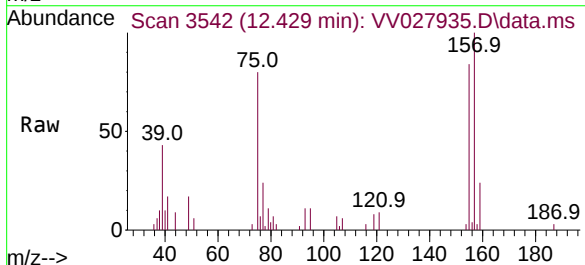
Instrument :  
MSVOA\_V  
ClientSampleId :



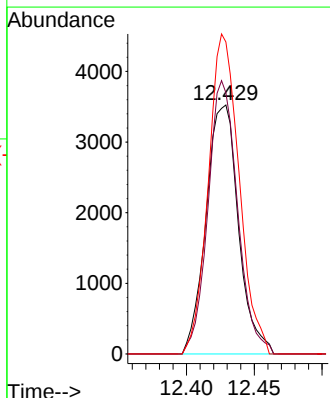
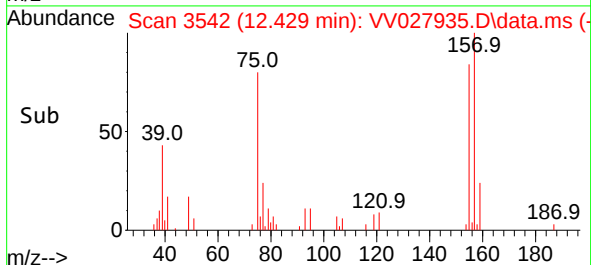
Tgt Ion:146 Resp: 101997  
Ion Ratio Lower Upper  
146 100  
111 42.0 29.7 44.5  
148 61.4 48.7 73.1

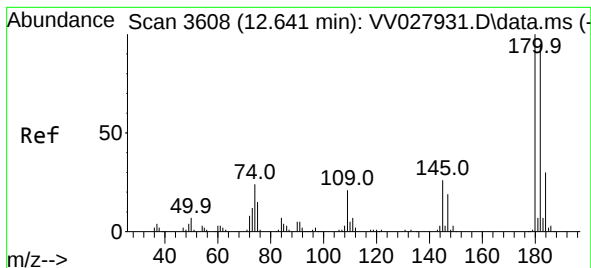


#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.668 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.006 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59



Tgt Ion: 75 Resp: 5861  
Ion Ratio Lower Upper  
75 100  
155 104.9 67.6 101.4#  
157 125.3 75.9 113.9#





#69

1,3,5-Trichlorobenzene

Concen: 4.813 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

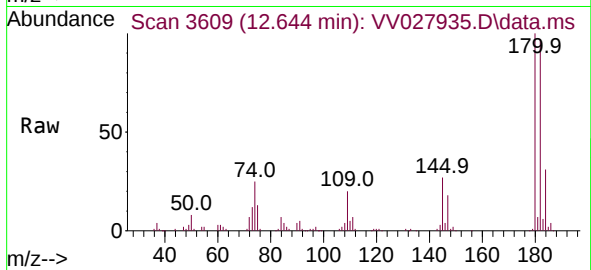
Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 87936

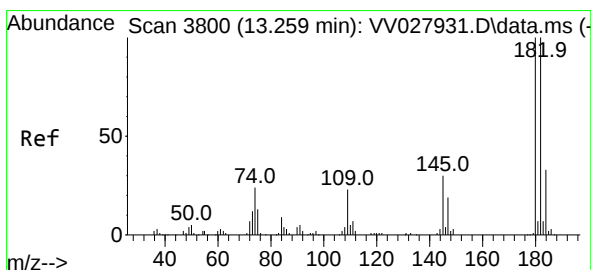
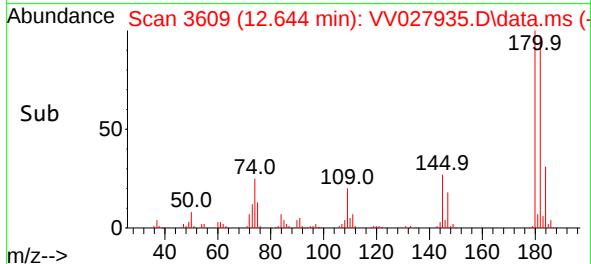
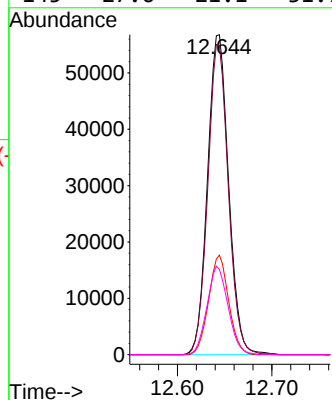
Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

184 29.6 24.6 37.0

145 27.6 21.1 31.7



#70

1,2,4-trichlorobenzene

Concen: 4.774 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027935.D

Acq: 19 Sep 2022 18:59

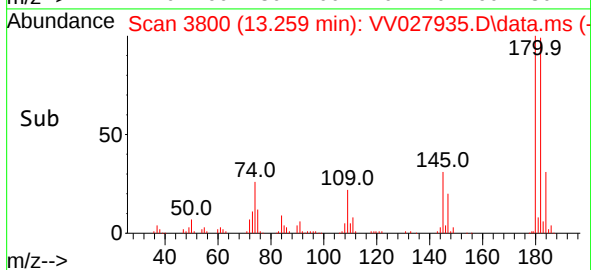
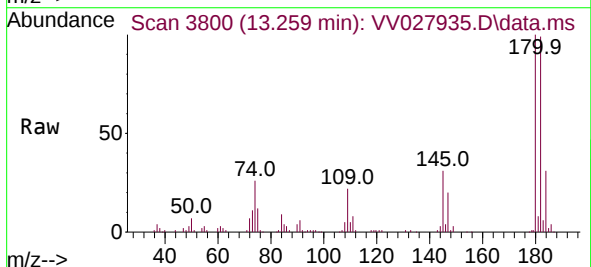
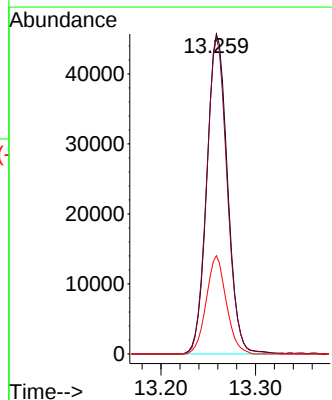
Tgt Ion:180 Resp: 69499

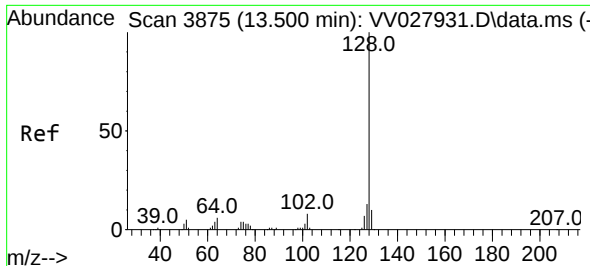
Ion Ratio Lower Upper

180 100

182 98.3 76.7 115.1

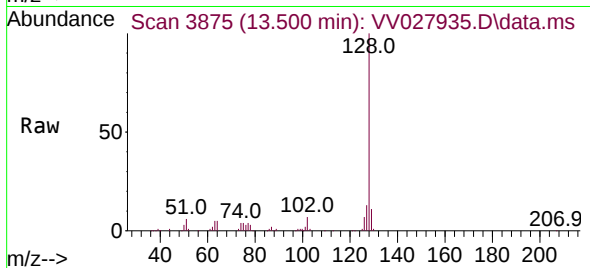
145 29.8 23.0 34.4



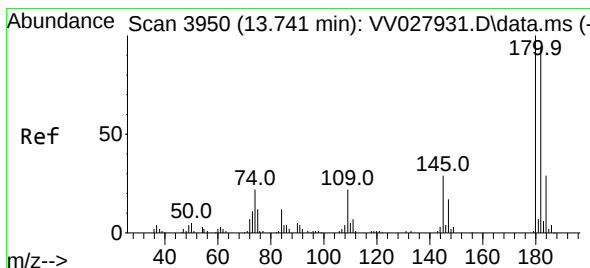
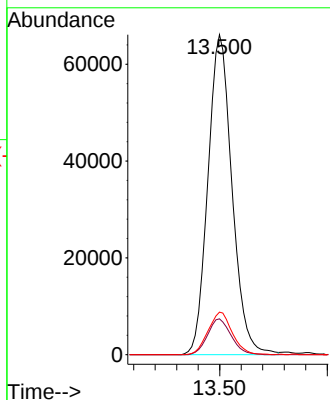
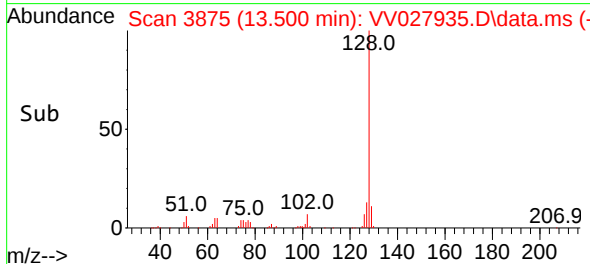


#71  
Naphthalene  
Concen: 4.828 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 102906  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.2 12.2  
127 13.3 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.901 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV027935.D  
Acq: 19 Sep 2022 18:59

Tgt Ion:180 Resp: 63737  
Ion Ratio Lower Upper  
180 100  
182 96.9 74.2 111.2  
145 29.6 23.9 35.9

