

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121924\  
 Data File : VU062487.D  
 Acq On : 19 Dec 2024 20:02  
 Operator : MD/SY  
 Sample : P5305-09MS  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

Quant Time: Dec 20 00:42:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 20 00:36:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.239  | 114   | 91342    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 88245    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 47392    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 23189    | 3.764    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.200%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 18018    | 4.111    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 12165    | 4.150    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.000%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 48798    | 41.327   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 82.660%  |
| 24) Chloroform-d              | 5.052  | 84    | 60370    | 4.527    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 31273    | 4.769    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 32) Benzene-d6                | 5.718  | 84    | 102817   | 4.045    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 27907    | 3.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 76.800%  |
| 41) Toluene-d8                | 7.888  | 98    | 102024   | 4.249    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.000%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 14274    | 4.459    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.200%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 38258    | 39.617   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 79.240%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 24134    | 4.265    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 85.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 37966    | 4.347    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 35399    | 4.137    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 26478    | 3.948    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 29575    | 4.235    | ug/L   | 97       |
| 6) Bromomethane               | 1.853  | 94    | 21042    | 4.521    | ug/L   | 97       |
| 8) Chloroethane               | 1.927  | 64    | 17790    | 4.549    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 61410    | 5.067    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 26897    | 4.077    | ug/L   | 90       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 26812    | 4.347    | ug/L   | 89       |
| 13) Acetone                   | 2.637  | 43    | 43910    | 54.618   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.785  | 76    | 76231    | 3.909    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.949  | 43    | 7933     | 3.937    | ug/L # | 84       |
| 16) Methylene chloride        | 3.036  | 84    | 29991    | 4.632    | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 75206    | 4.895    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 28374    | 4.478    | ug/L   | 88       |
| 19) 1,1-Dichloroethane        | 3.856  | 63    | 53138    | 4.575    | ug/L   | 98       |
| 21) 2-Butanone                | 4.698  | 43    | 60540    | 51.853   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 32667    | 4.599    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.962  | 128   | 15886    | 5.102    | ug/L # | 75       |
| 25) Chloroform                | 5.078  | 83    | 65760    | 5.026    | ug/L   | 99       |

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 ALS Vial : 26 Sample Multiplier: 1

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 ClientSampleId :  
 E2AX4MS

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Dec 20 00:36:00 2024  
 Response via : Initial Calibration

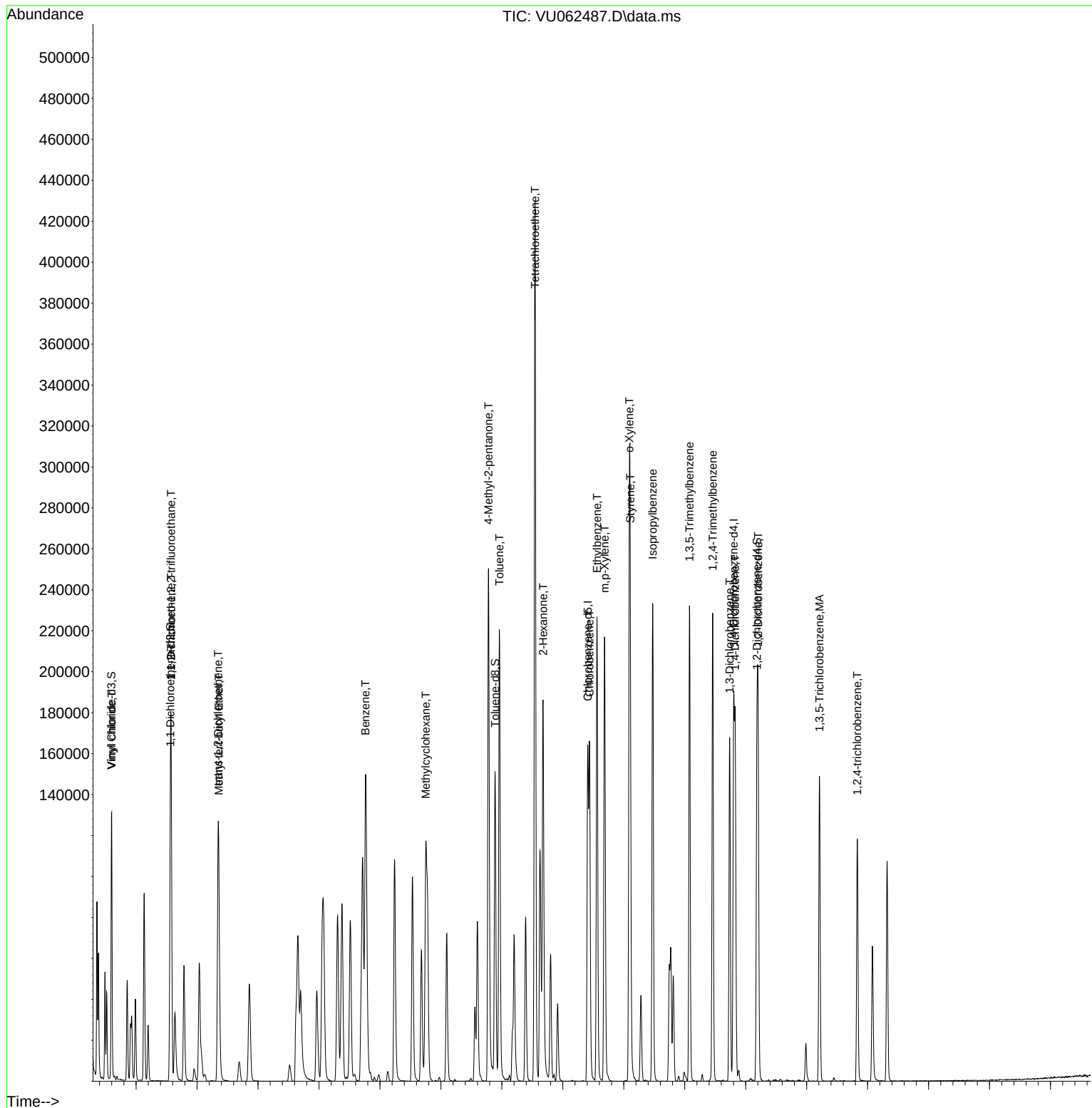
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 44614    | 5.366  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 63247    | 5.095  | ug/L   | 94       |
| 30) Cyclohexane               | 5.377  | 56   | 41530    | 4.126  | ug/L   | 91       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 58092    | 5.103  | ug/L   | 97       |
| 33) Benzene                   | 5.763  | 78   | 131955   | 4.825  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 35709    | 4.610  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.753  | 83   | 45657    | 3.975  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 29581    | 4.442  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 47504    | 5.056  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 48750    | 4.567  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 145741   | 46.694 | ug/L # | 91       |
| 42) Toluene                   | 7.959  | 91   | 164950   | 5.594  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 42434    | 4.868  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 25765    | 5.125  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.544  | 164  | 93249    | 15.591 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.676  | 43   | 108889   | 47.207 | ug/L # | 94       |
| 49) Dibromochloromethane      | 8.798  | 129  | 32337    | 5.324  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 24627    | 5.098  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 88444    | 4.681  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.560  | 91   | 161584   | 4.887  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 61950    | 5.075  | ug/L   | 94       |
| 54) o-Xylene                  | 10.090 | 106  | 58535    | 4.931  | ug/L   | 96       |
| 55) Styrene                   | 10.107 | 104  | 91306    | 4.666  | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 27986    | 4.783  | ug/L # | 95       |
| 59) Bromoform                 | 10.280 | 173  | 19144    | 5.140  | ug/L # | 97       |
| 60) Isopropylbenzene          | 10.473 | 105  | 153267   | 4.477  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 21181    | 4.833  | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 128370   | 4.431  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 129719   | 4.570  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 70352    | 4.474  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 68147    | 4.303  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 67357    | 4.635  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5083     | 5.317  | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 46762    | 4.000  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 36332    | 3.936  | ug/L   | 97       |
| 71) Naphthalene               | 14.081 | 128  | 59023    | 4.259  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.319 | 180  | 33868    | 4.161  | ug/L   | 99       |

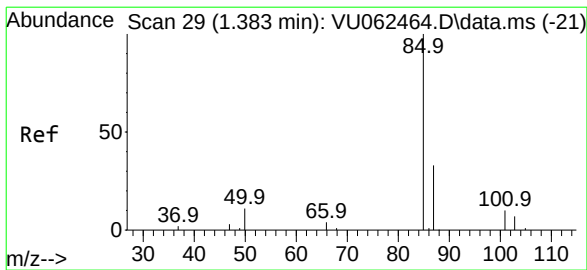
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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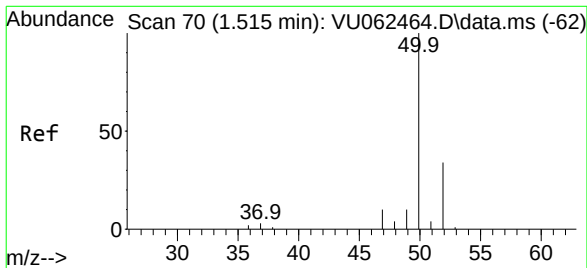
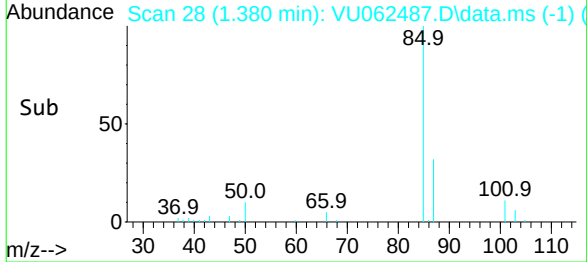
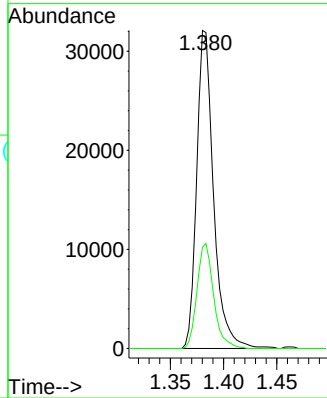
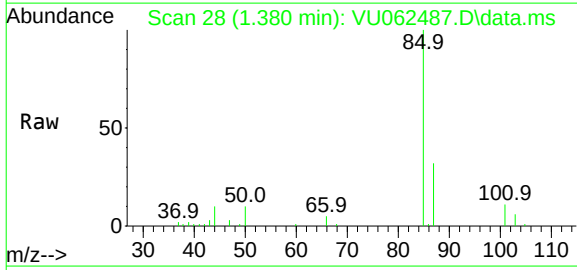




#2  
 Dichlorodifluoromethane  
 Concen: 4.137 ug/L  
 RT: 1.380 min Scan# 28  
 Delta R.T. -0.003 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

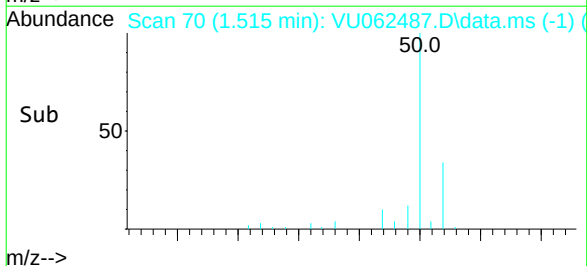
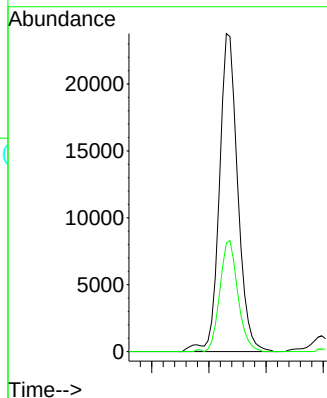
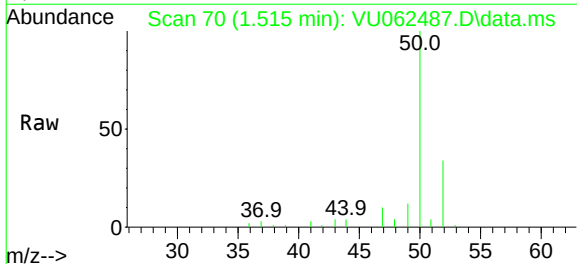
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

Tgt Ion: 85 Resp: 35399  
 Ion Ratio Lower Upper  
 85 100  
 87 32.5 26.6 40.0

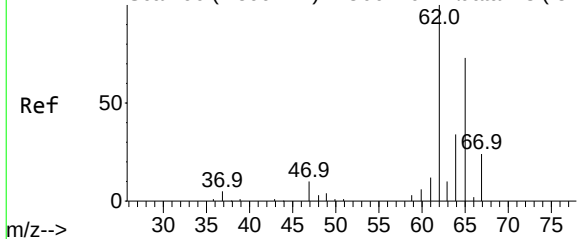


#3  
 Chloromethane  
 Concen: 3.948 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

Tgt Ion: 50 Resp: 26478  
 Ion Ratio Lower Upper  
 50 100  
 52 34.1 23.1 42.9



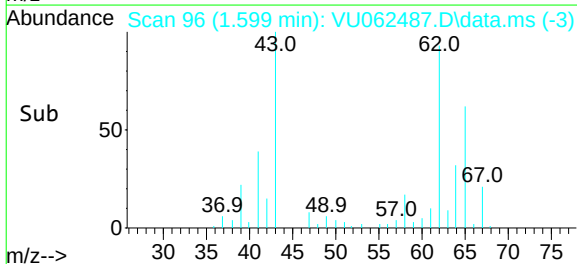
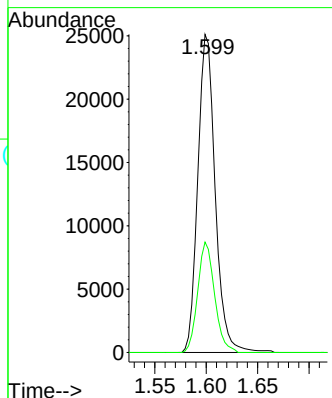
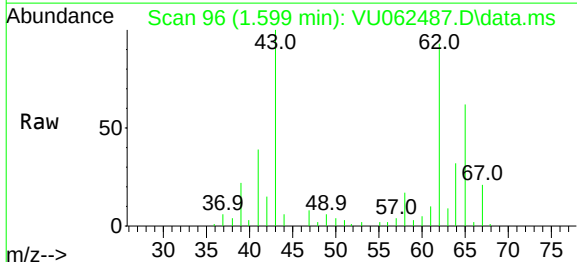
Abundance Scan 96 (1.599 min): VU062464.D\data.ms (-87)



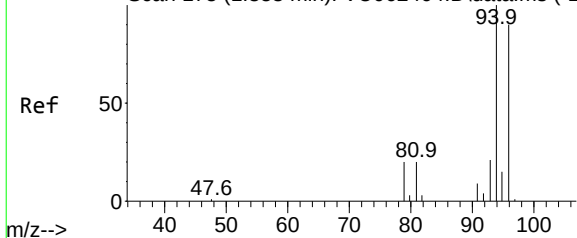
#5  
Vinyl chloride  
Concen: 4.235 ug/L  
RT: 1.599 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

Tgt Ion: 62 Resp: 29575  
Ion Ratio Lower Upper  
62 100  
64 34.7 23.1 42.9

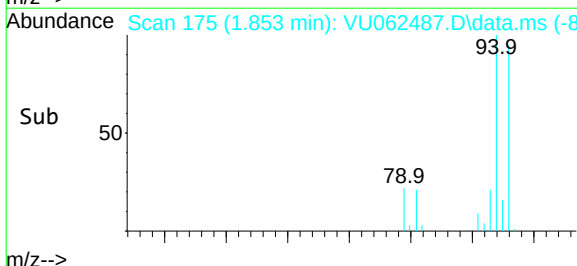
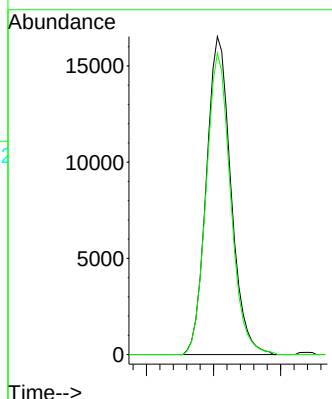
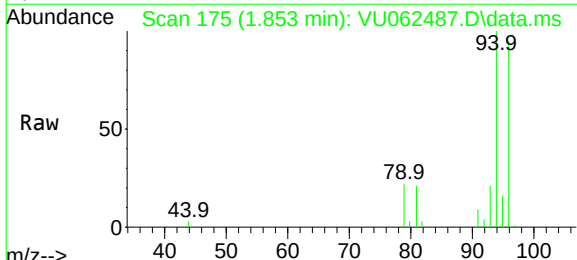


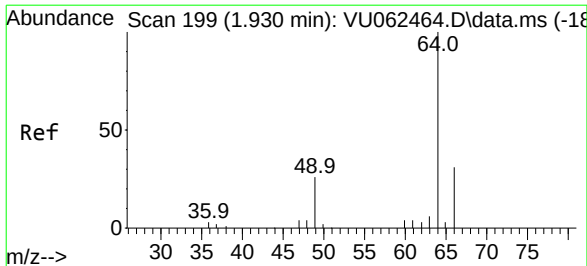
Abundance Scan 175 (1.853 min): VU062464.D\data.ms (-16)



#6  
Bromomethane  
Concen: 4.521 ug/L  
RT: 1.853 min Scan# 175  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 94 Resp: 21042  
Ion Ratio Lower Upper  
94 100  
96 94.8 64.5 119.9

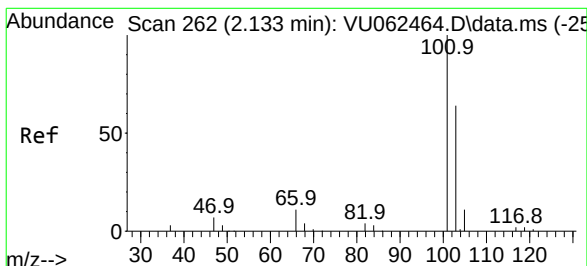
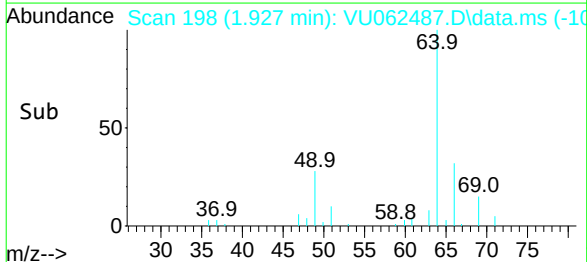
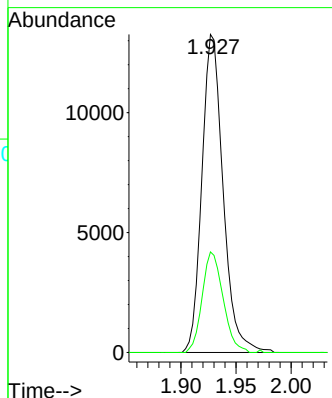
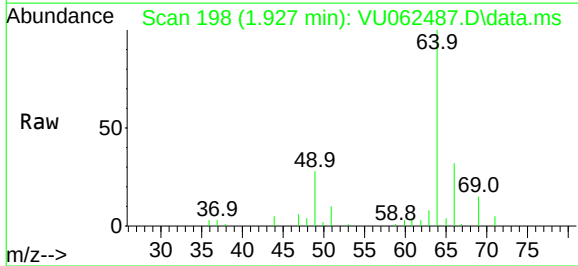




#8  
Chloroethane  
Concen: 4.549 ug/L  
RT: 1.927 min Scan# 19  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

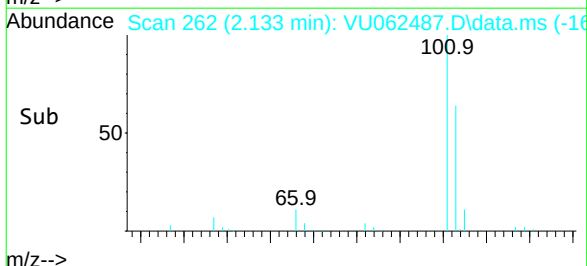
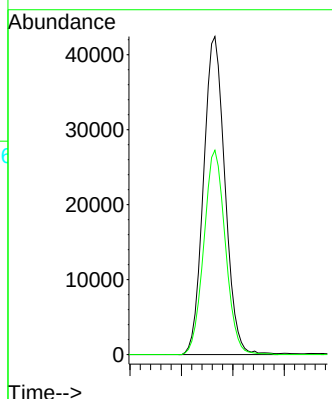
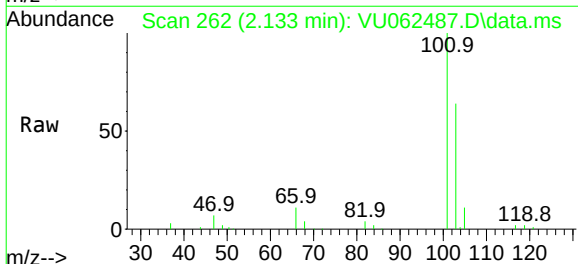
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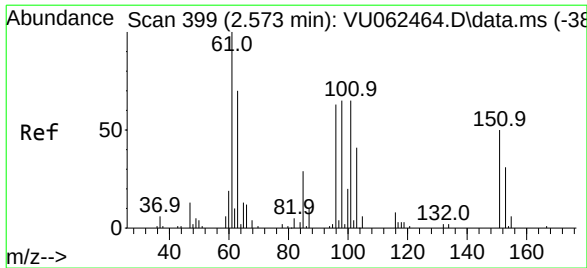
Tgt Ion: 64 Resp: 17790  
Ion Ratio Lower Upper  
64 100  
66 31.6 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 5.067 ug/L  
RT: 2.133 min Scan# 262  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 101 Resp: 61410  
Ion Ratio Lower Upper  
101 100  
103 64.6 50.6 75.8

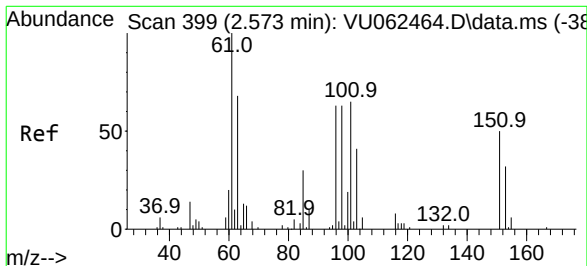
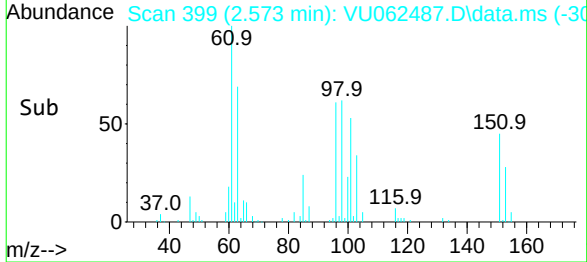
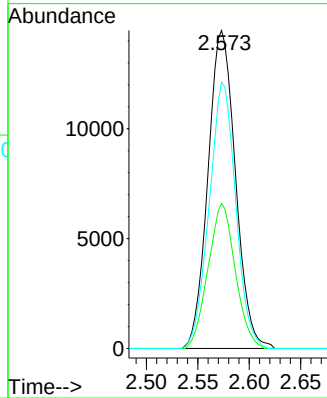
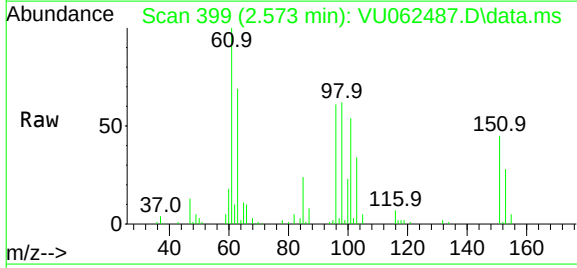




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.077 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

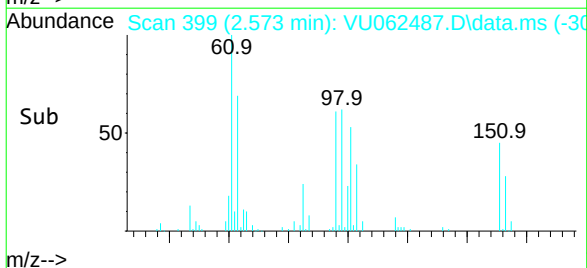
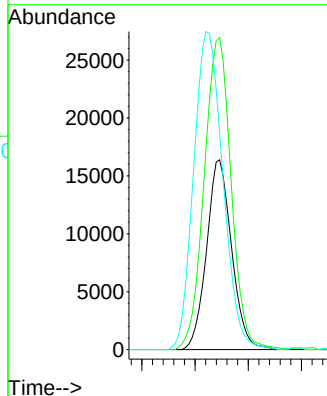
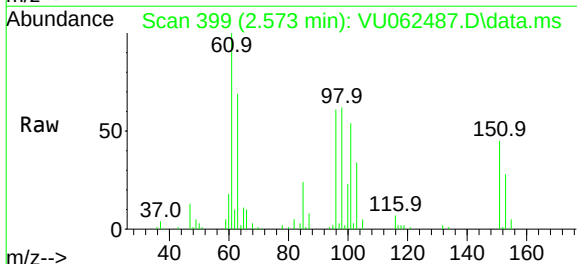
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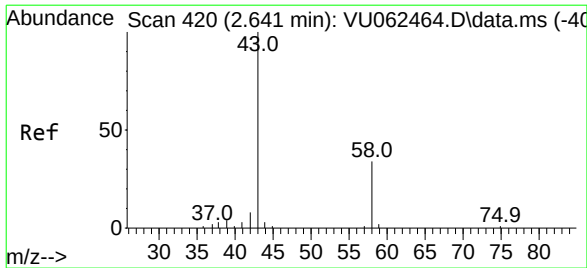
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 26897 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.1  | 38.0  | 57.0  |
| 151      | 81.0  | 55.3  | 82.9  |



#12  
1,1-Dichloroethene  
Concen: 4.347 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 26812 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 164.4 | 119.6 | 222.2 |
| 63       | 114.2 | 65.0  | 120.6 |





#13

Acetone

Concen: 54.618 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

Instrument :

MSVOA\_U

ClientSampleId :

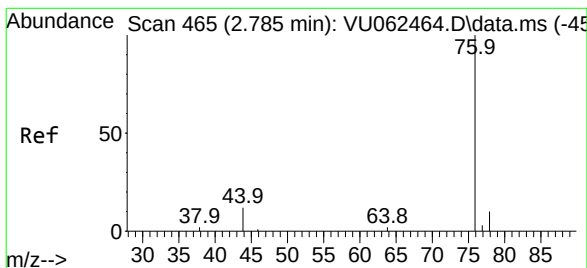
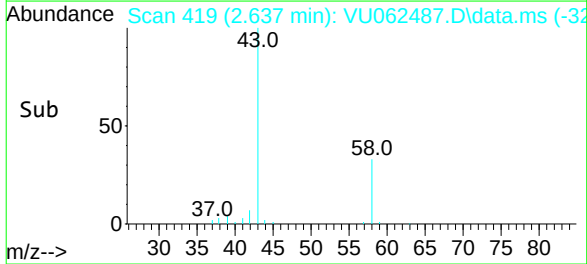
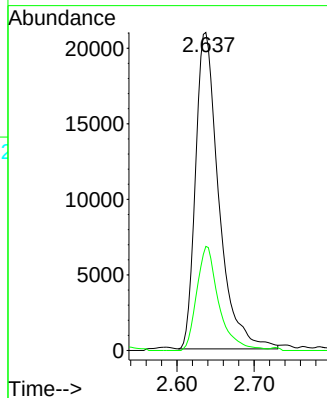
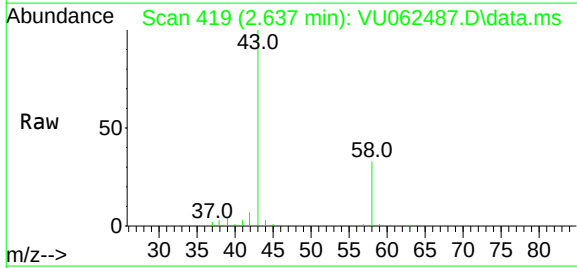
E2AX4MS

Tgt Ion: 43 Resp: 43910

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.0



#14

Carbon disulfide

Concen: 3.909 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062487.D

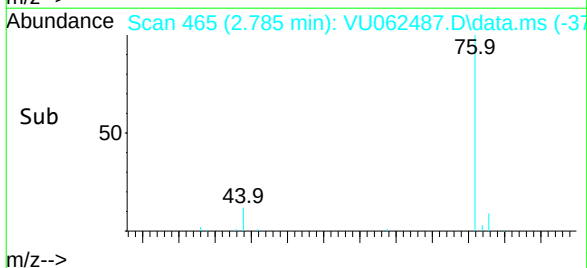
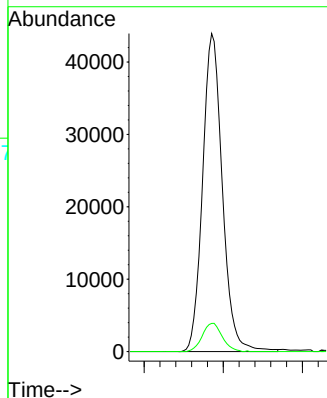
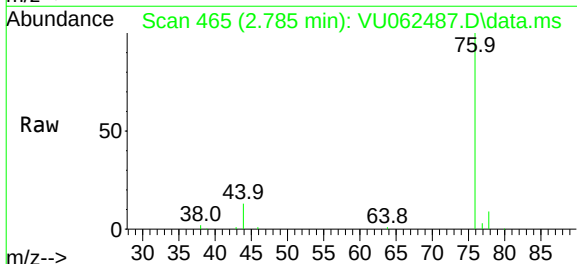
Acq: 19 Dec 2024 20:02

Tgt Ion: 76 Resp: 76231

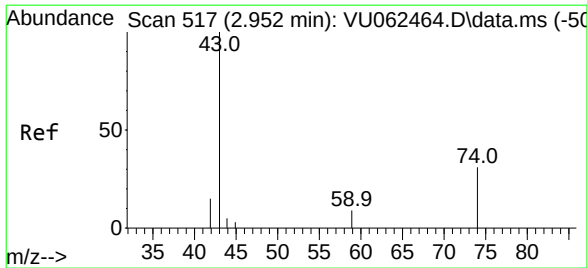
Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



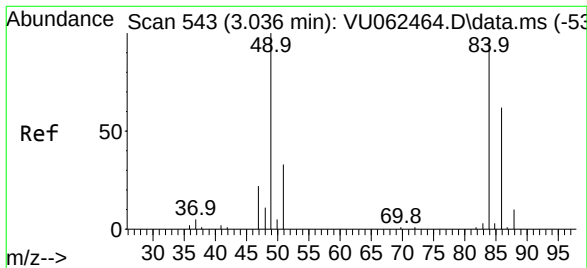
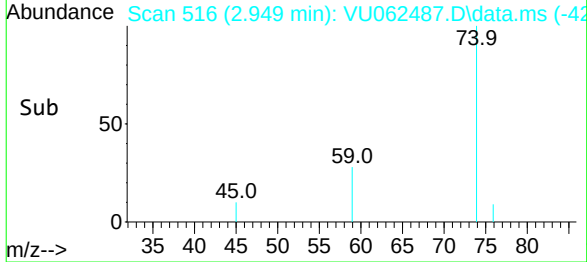
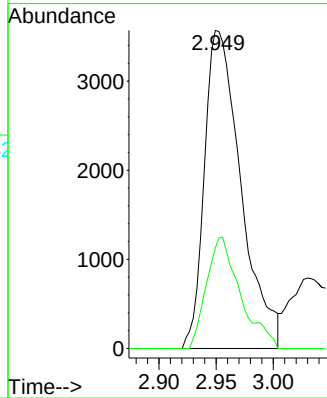
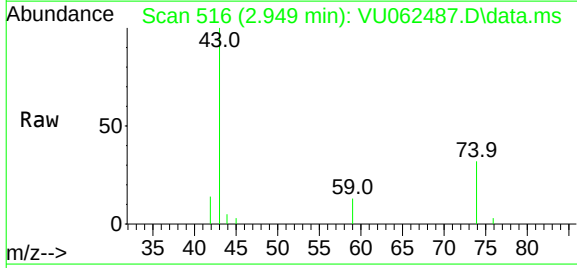




#15  
Methyl Acetate  
Concen: 3.937 ug/L  
RT: 2.949 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

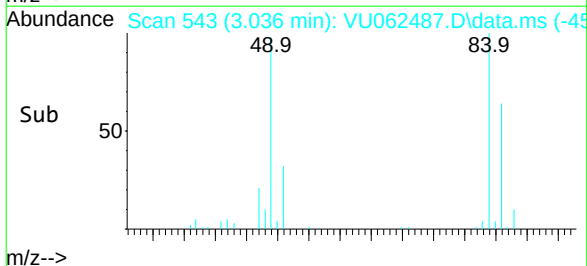
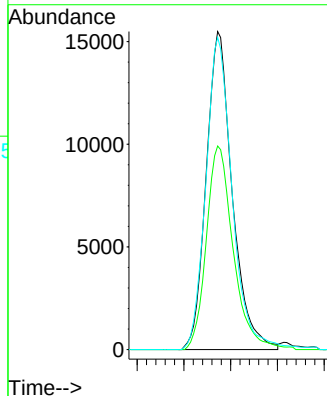
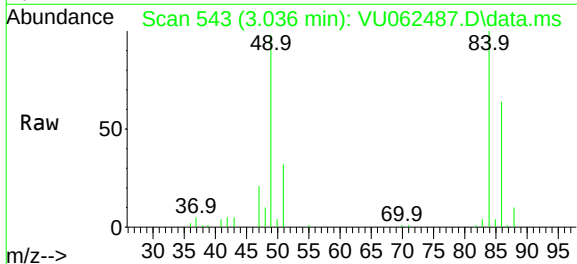
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

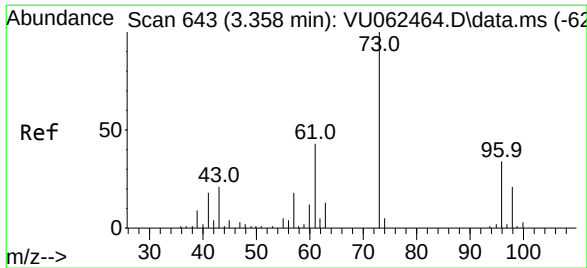
Tgt Ion: 43 Resp: 7933  
Ion Ratio Lower Upper  
43 100  
74 32.4 19.4 29.2#



#16  
Methylene chloride  
Concen: 4.632 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 84 Resp: 29991  
Ion Ratio Lower Upper  
84 100  
86 64.0 43.5 80.7  
49 98.2 81.9 152.1

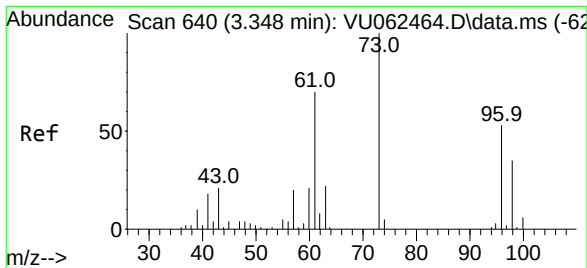
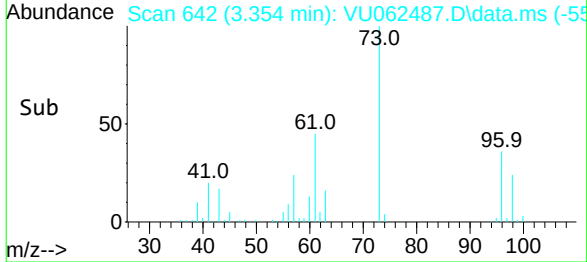
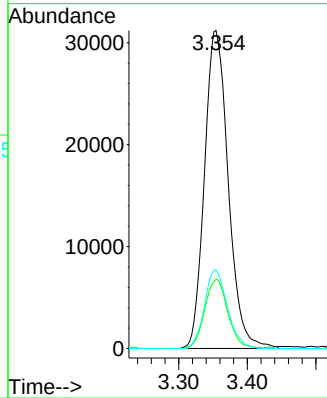
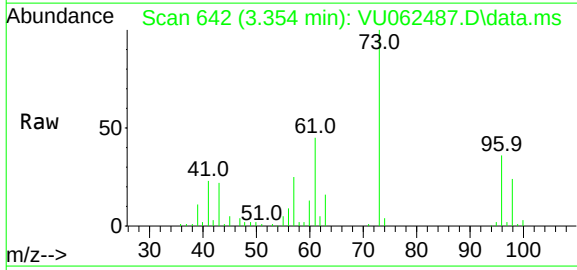




#17  
Methyl tert-butyl Ether  
Concen: 4.895 ug/L  
RT: 3.354 min Scan# 641  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

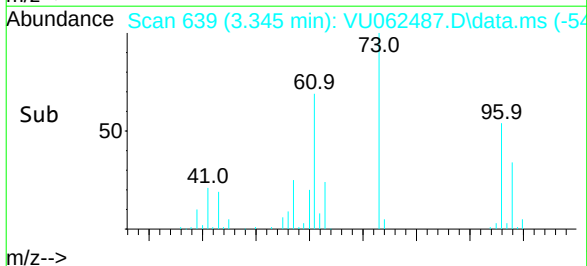
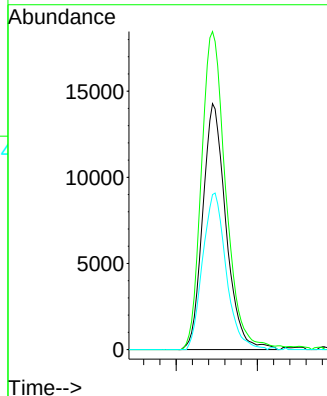
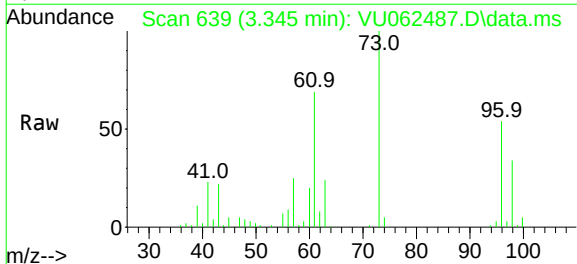
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

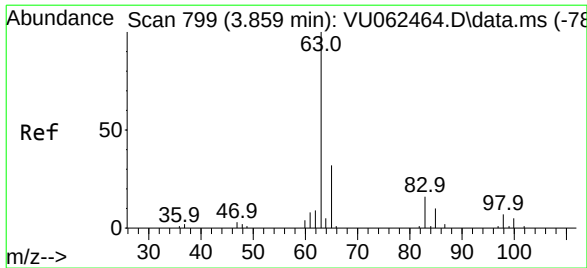
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 75206 |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 21.1  | 16.3  | 24.5  |
| 57       | 23.8  | 17.1  | 25.7  |



#18  
trans-1,2-Dichloroethene  
Concen: 4.478 ug/L  
RT: 3.345 min Scan# 639  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 28374 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 129.3 | 104.2 | 193.4 |
| 98       | 63.0  | 45.7  | 84.9  |

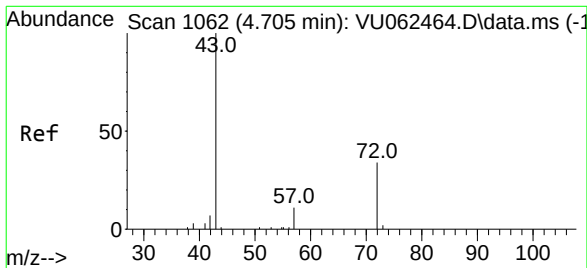
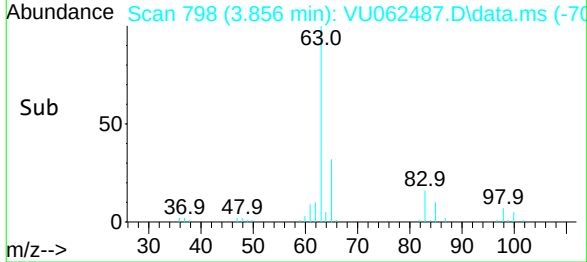
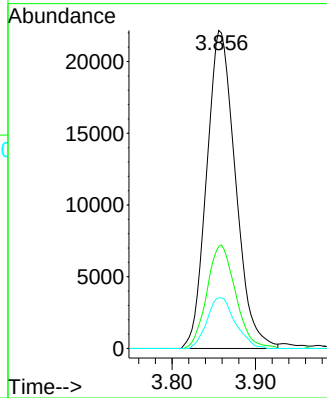
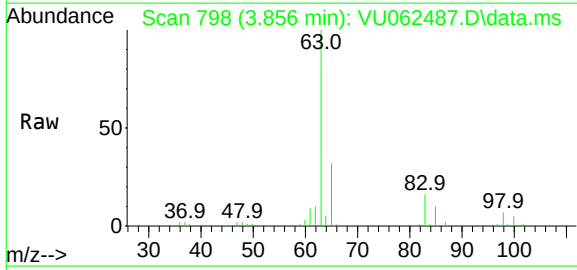




#19  
1,1-Dichloroethane  
Concen: 4.575 ug/L  
RT: 3.856 min Scan# 799  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

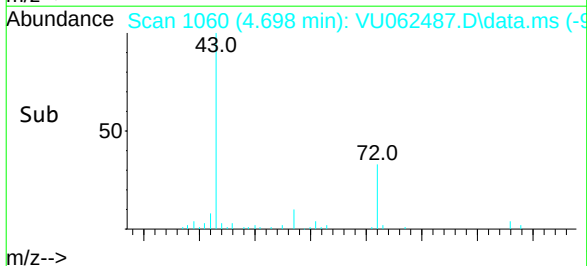
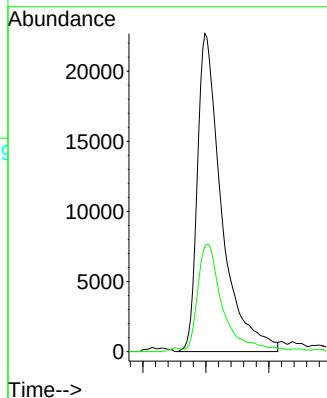
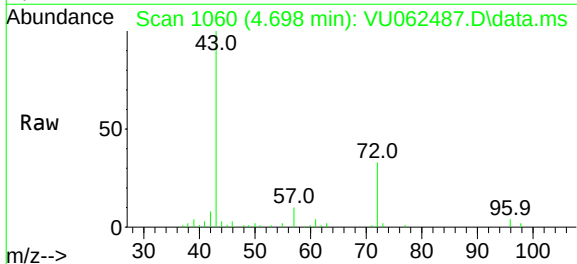
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MSVOA\_U  
ClientSampleId :  
E2AX4MS

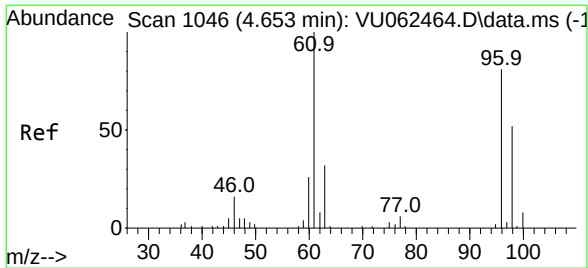
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 53138 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 32.2  | 22.7  | 42.3  |
| 83       | 15.9  | 9.9   | 18.3  |



#21  
2-Butanone  
Concen: 51.853 ug/L  
RT: 4.698 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 60540 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 32.7  | 14.8  | 44.4  |

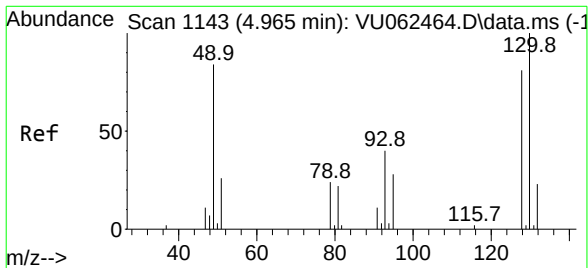
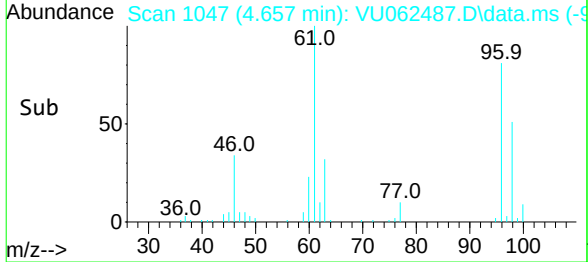
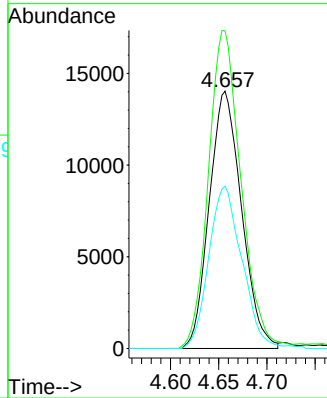
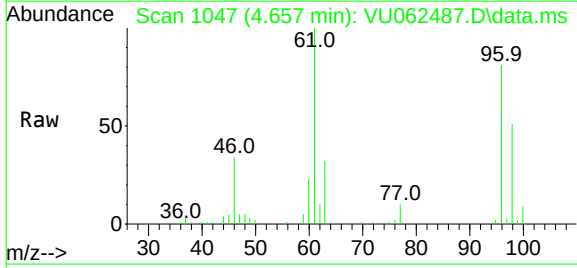




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.599 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.003 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

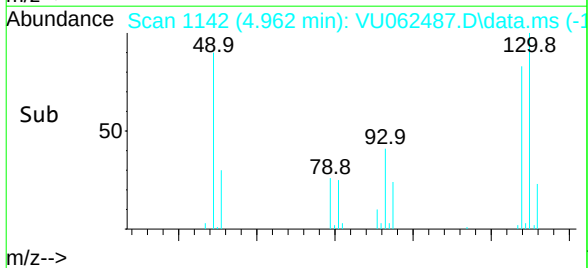
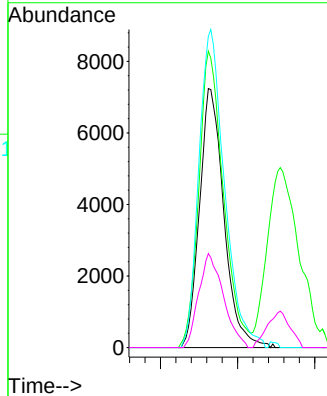
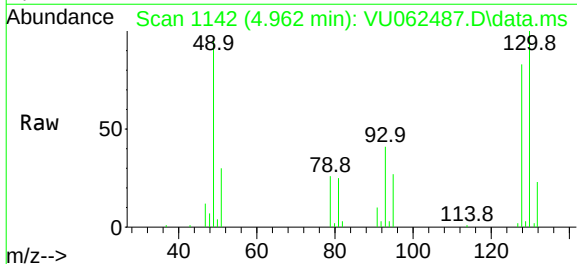
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

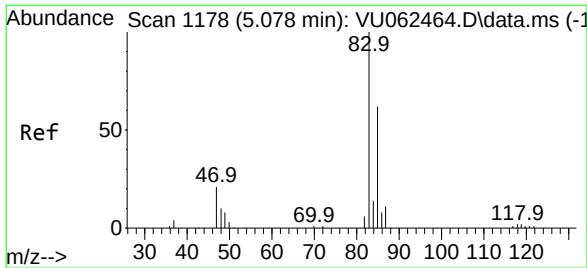
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 32667 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 123.4 | 92.0  | 170.8 |
| 98       | 63.1  | 44.5  | 82.7  |



#23  
 Bromochloromethane  
 Concen: 5.102 ug/L  
 RT: 4.962 min Scan# 1142  
 Delta R.T. -0.003 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 15886  |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 114.4 | 115.3 | 214.1# |
| 130      | 120.2 | 92.0  | 170.8  |
| 51       | 36.3  | 44.7  | 67.1#  |

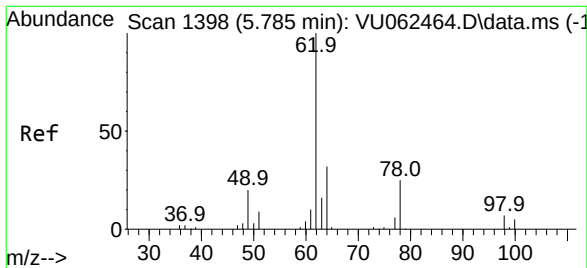
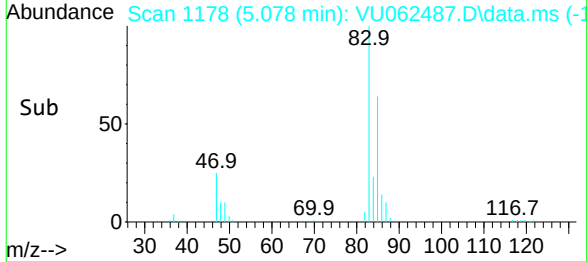
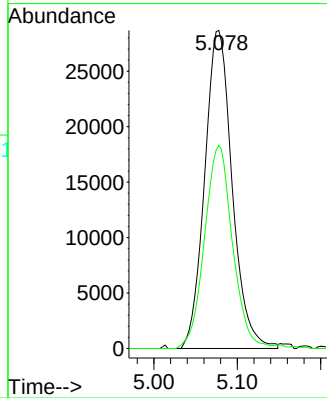
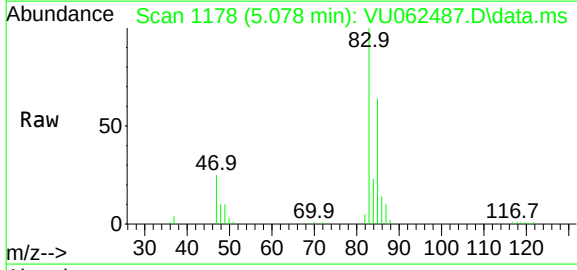




#25  
Chloroform  
Concen: 5.026 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

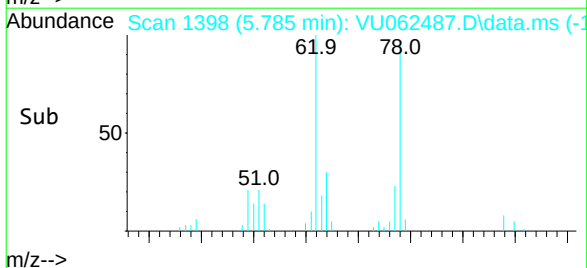
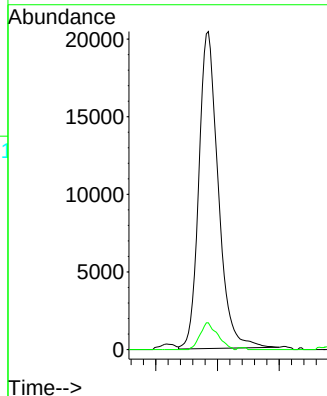
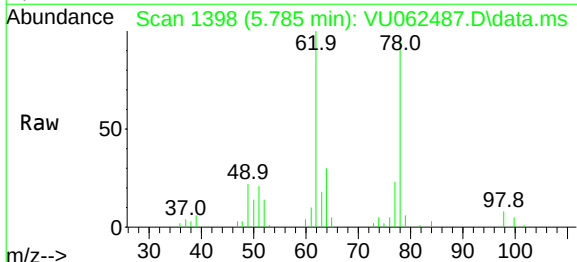
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

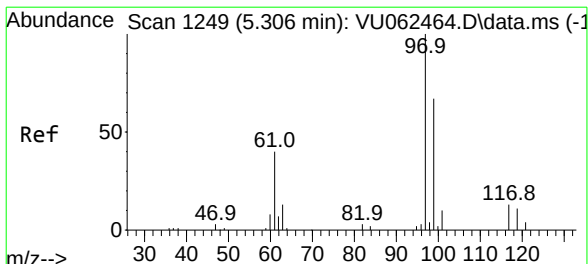
Tgt Ion: 83 Resp: 65760  
Ion Ratio Lower Upper  
83 100  
85 63.8 45.4 84.2



#27  
1,2-Dichloroethane  
Concen: 5.366 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 62 Resp: 44614  
Ion Ratio Lower Upper  
62 100  
98 8.4 7.4 11.0

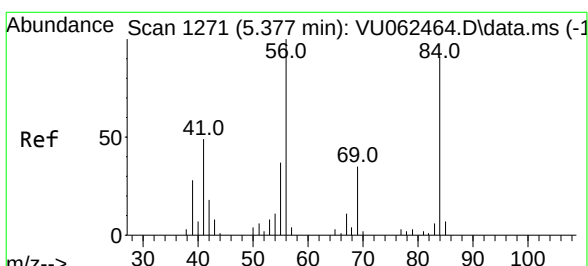
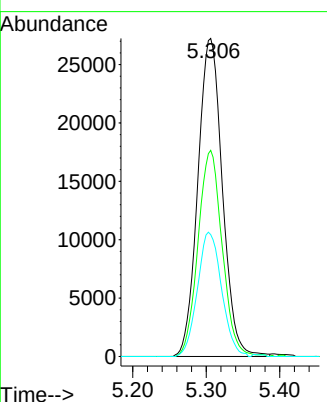
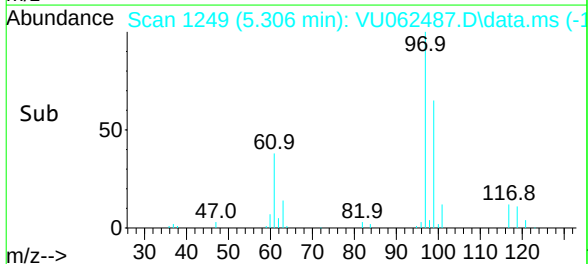
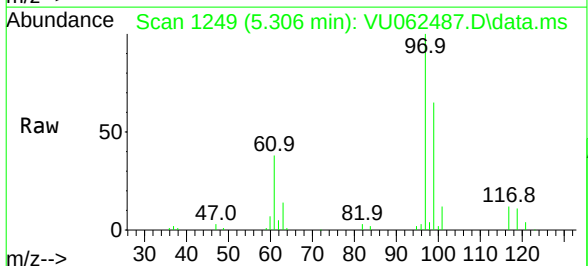




#29  
 1,1,1-Trichloroethane  
 Concen: 5.095 ug/L  
 RT: 5.306 min Scan# 1219  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

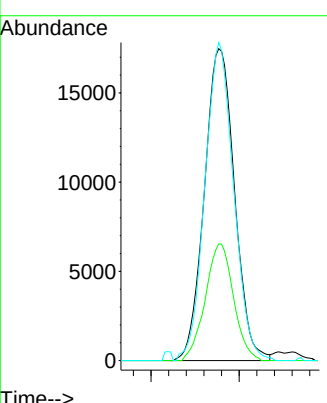
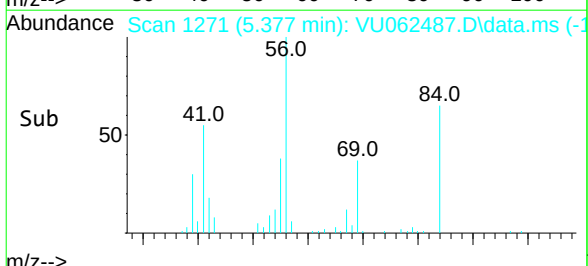
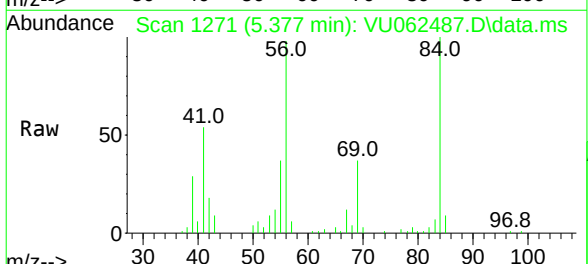
Instrument : MSVOA\_U  
 ClientSampleId : E2AX4MS

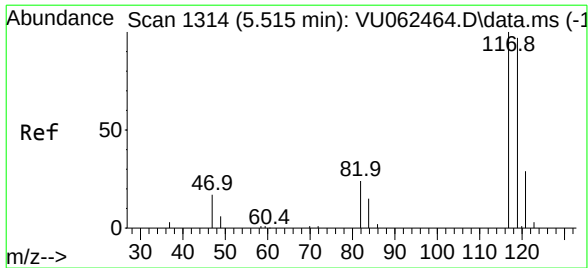
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 63247 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.6  | 51.4  | 77.2  |
| 61       | 38.4  | 37.8  | 56.6  |



#30  
 Cyclohexane  
 Concen: 4.126 ug/L  
 RT: 5.377 min Scan# 1271  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 41530 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 35.0  | 25.1  | 37.7  |
| 84       | 96.9  | 70.6  | 105.8 |

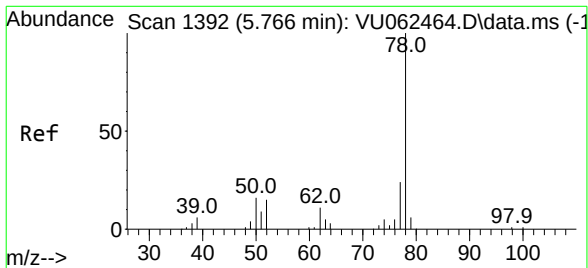
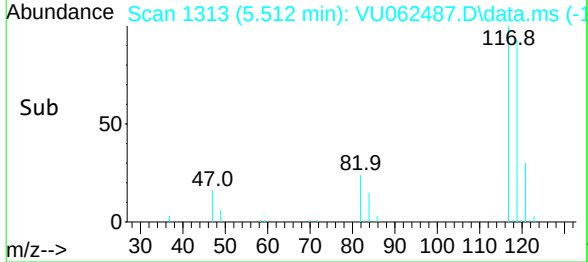
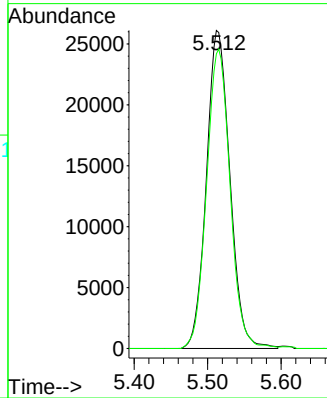
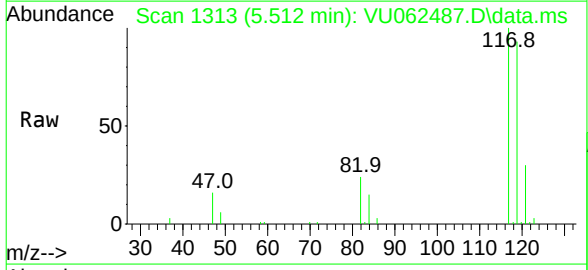




#31  
Carbon tetrachloride  
Concen: 5.103 ug/L  
RT: 5.512 min Scan# 1313  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

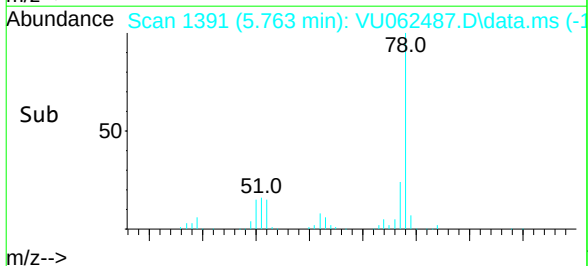
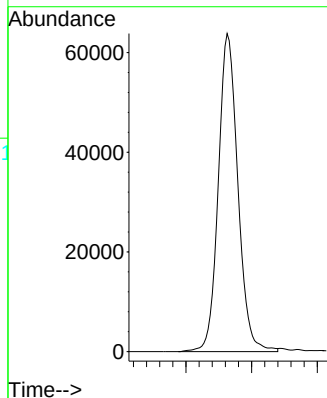
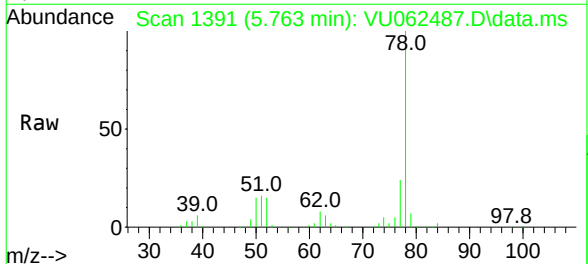
Instrument : MSVOA\_U  
ClientSampleId : E2AX4MS

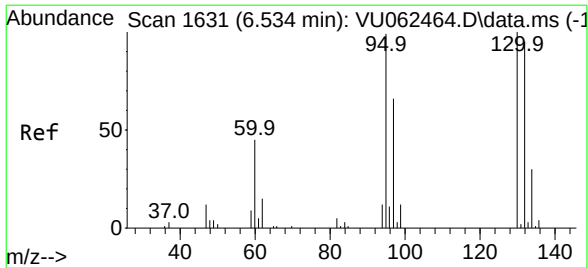
Tgt Ion: 117 Resp: 58092  
Ion Ratio Lower Upper  
117 100  
119 94.1 77.5 116.3



#33  
Benzene  
Concen: 4.825 ug/L  
RT: 5.763 min Scan# 1391  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

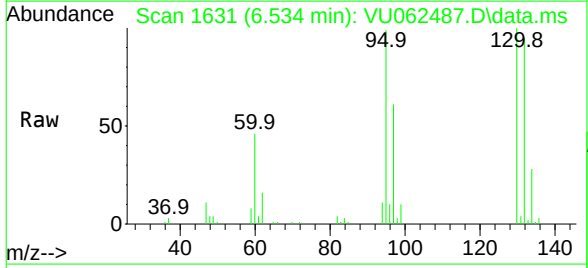
Tgt Ion: 78 Resp: 131955





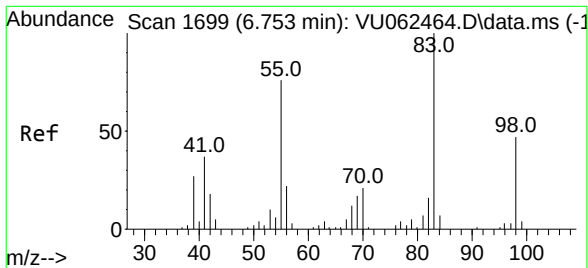
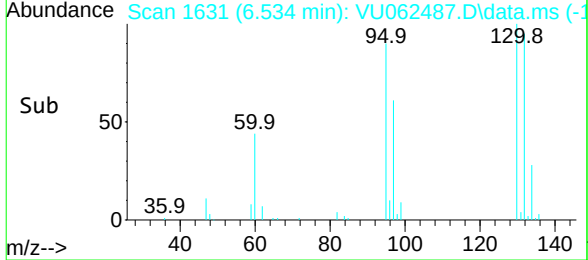
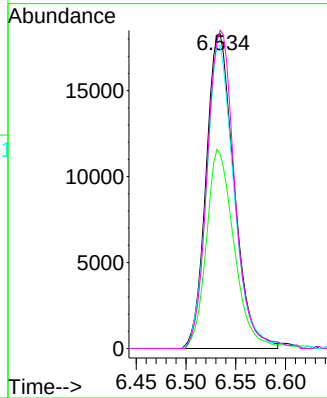
#34  
Trichloroethene  
Concen: 4.610 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS



Tgt Ion: 95 Resp: 35709

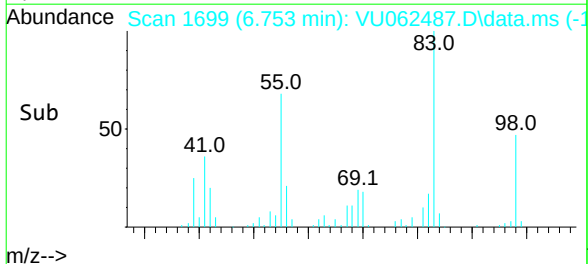
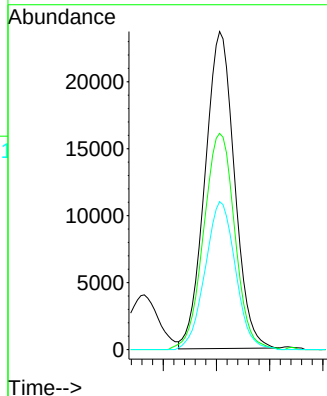
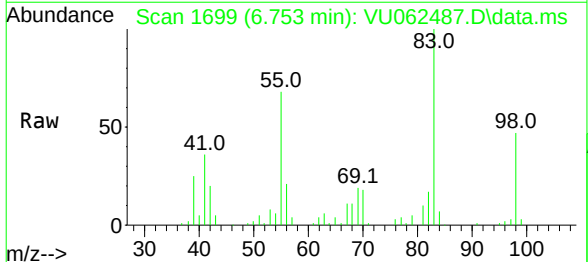
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.9  | 45.9  | 85.3  |
| 132 | 96.1  | 63.8  | 118.4 |
| 130 | 101.0 | 65.5  | 121.7 |



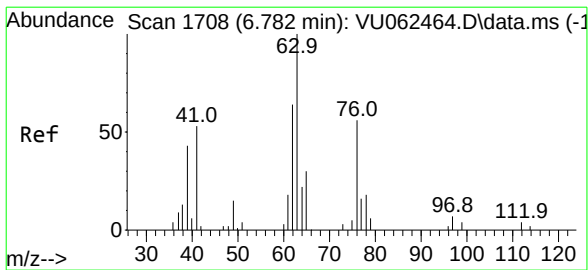
#35  
Methylcyclohexane  
Concen: 3.975 ug/L  
RT: 6.753 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 83 Resp: 45657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 71.7  | 60.7  | 91.1  |
| 98  | 47.8  | 34.8  | 52.2  |



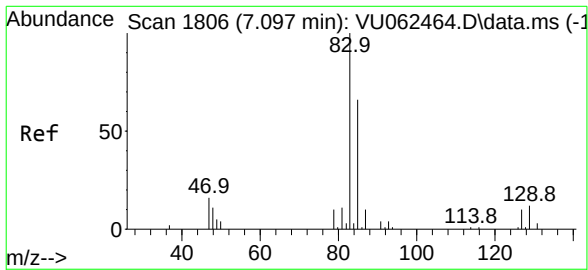
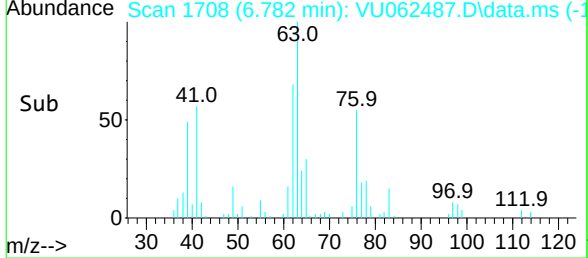
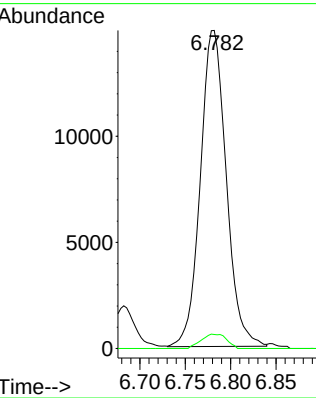
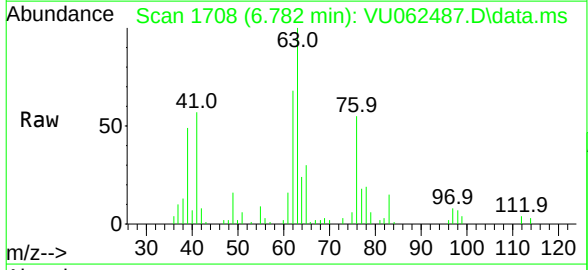




#37  
 1,2-Dichloropropane  
 Concen: 4.442 ug/L  
 RT: 6.782 min Scan# 1708  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

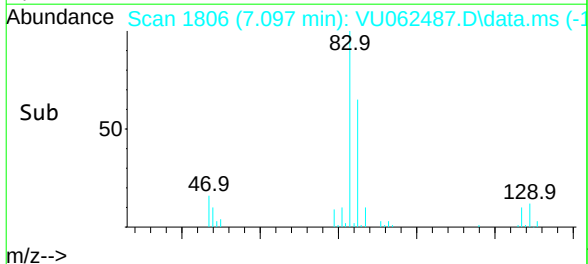
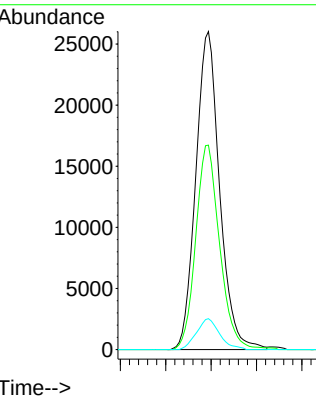
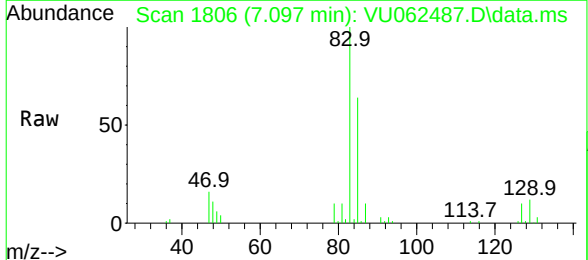
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

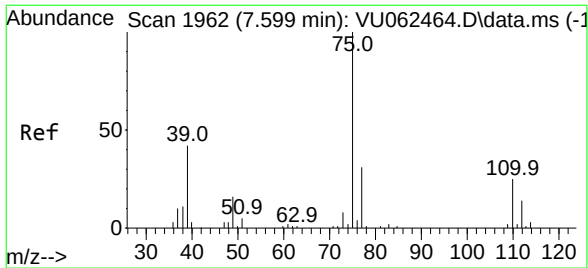
Tgt Ion: 63 Resp: 29581  
 Ion Ratio Lower Upper  
 63 100  
 112 4.4 3.4 5.0



#38  
 Bromodichloromethane  
 Concen: 5.056 ug/L  
 RT: 7.097 min Scan# 1806  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

Tgt Ion: 83 Resp: 47504  
 Ion Ratio Lower Upper  
 83 100  
 85 64.3 44.1 81.9  
 127 9.7 6.9 10.3

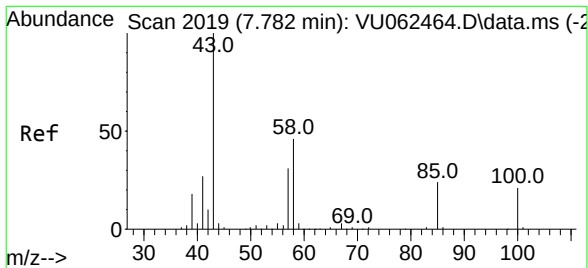
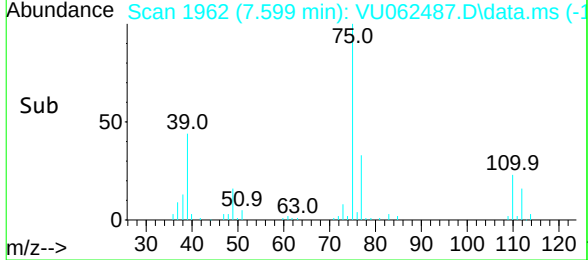
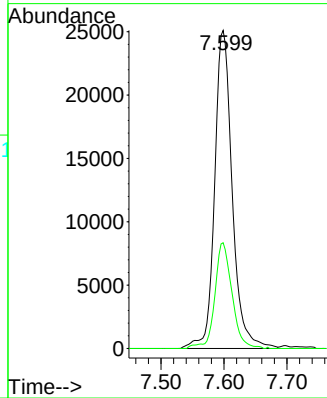
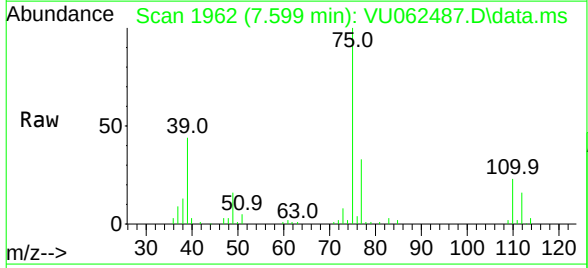




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.567 ug/L  
 RT: 7.599 min Scan# 1962  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

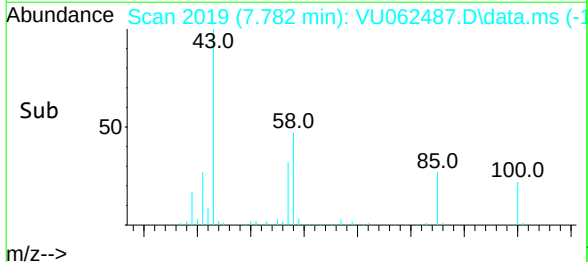
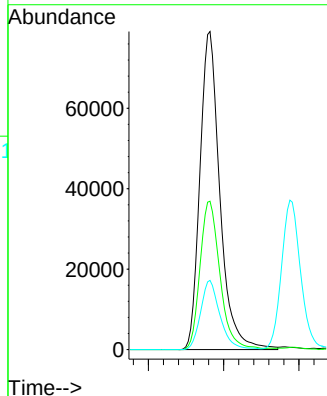
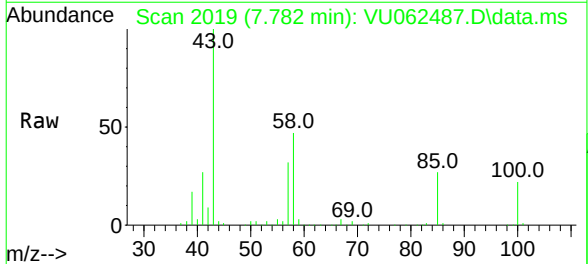
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

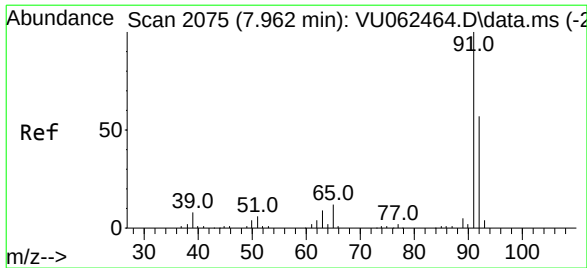
Tgt Ion: 75 Resp: 48750  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 22.3 41.3



#40  
 4-Methyl-2-pentanone  
 Concen: 46.694 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

Tgt Ion: 43 Resp: 145741  
 Ion Ratio Lower Upper  
 43 100  
 58 46.5 33.3 49.9  
 100 21.1 12.4 18.6





#42

Toluene

Concen: 5.594 ug/L

RT: 7.959 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

Instrument :

MSVOA\_U

ClientSampleId :

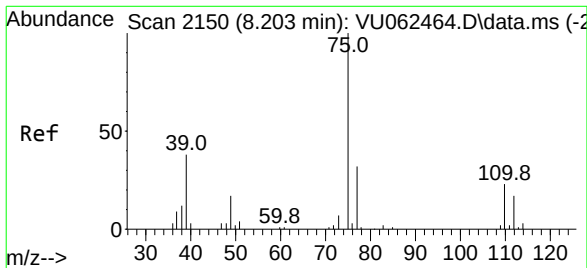
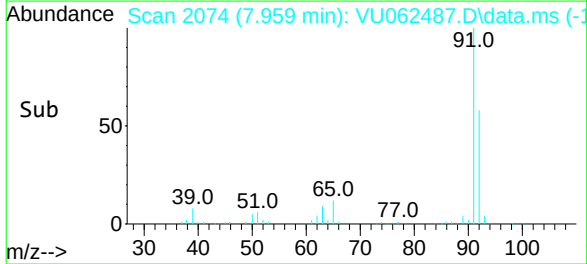
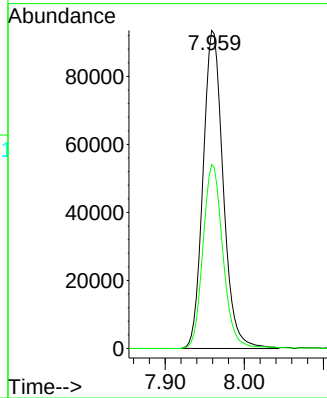
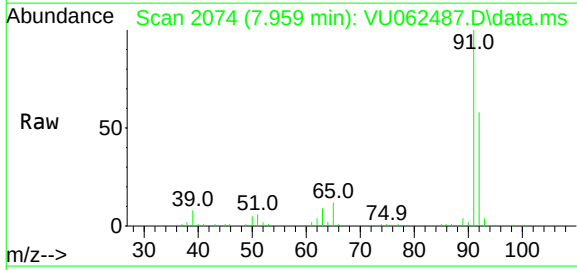
E2AX4MS

Tgt Ion: 91 Resp: 164950

Ion Ratio Lower Upper

91 100

92 57.9 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 4.868 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU062487.D

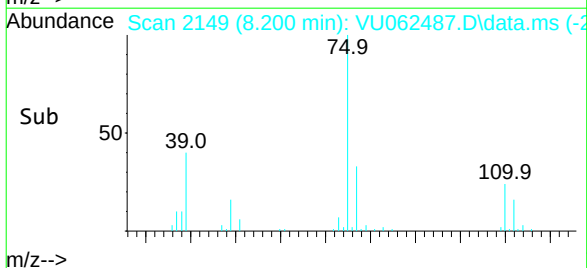
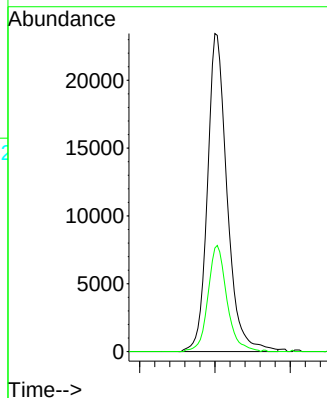
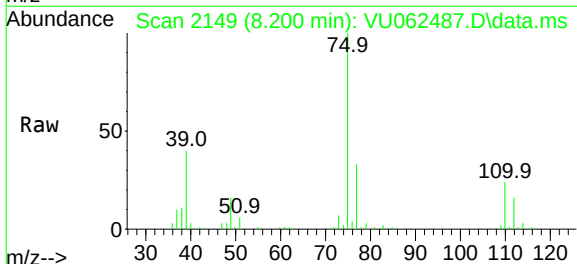
Acq: 19 Dec 2024 20:02

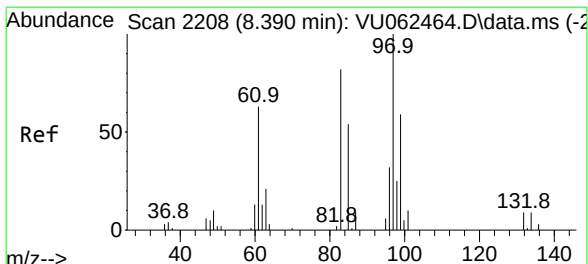
Tgt Ion: 75 Resp: 42434

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4

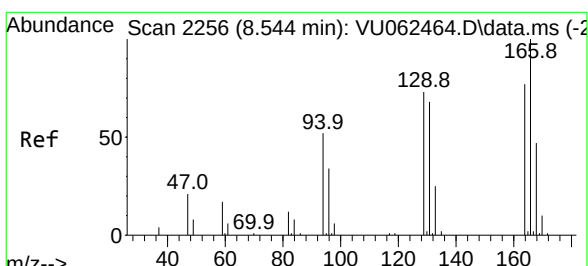
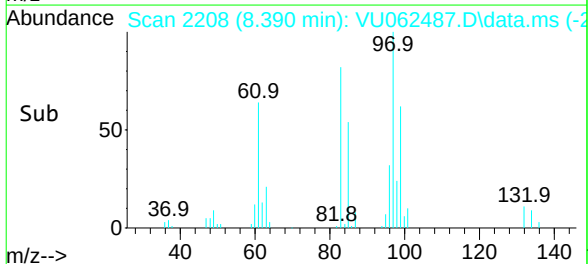
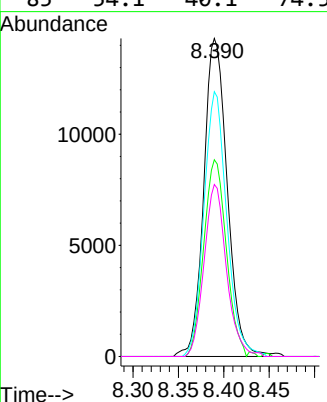
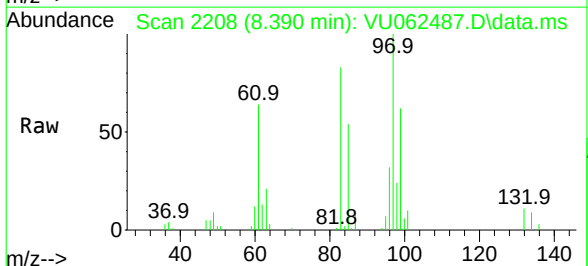




#45  
 1,1,2-Trichloroethane  
 Concen: 5.125 ug/L  
 RT: 8.390 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

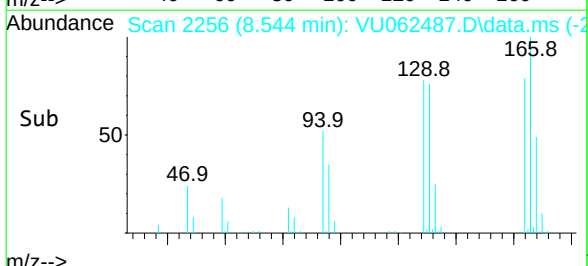
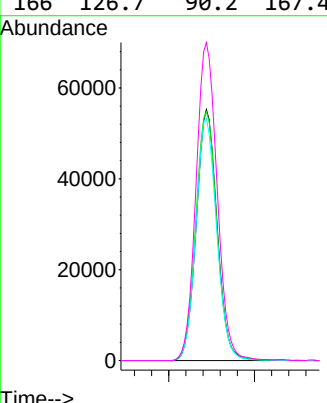
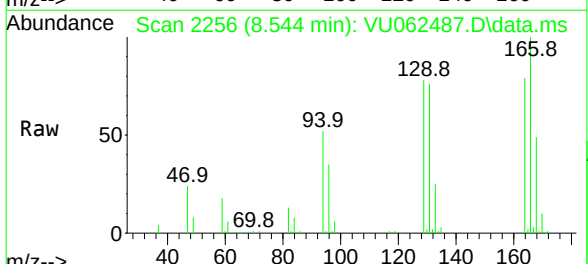
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

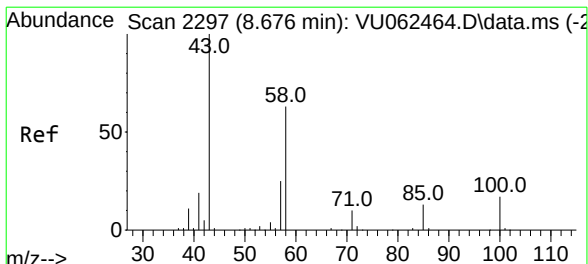
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 25765 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.9  | 43.0  | 79.8  |
| 83       | 83.2  | 61.7  | 114.5 |
| 85       | 54.1  | 40.1  | 74.5  |



#47  
 Tetrachloroethene  
 Concen: 15.591 ug/L  
 RT: 8.544 min Scan# 2256  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

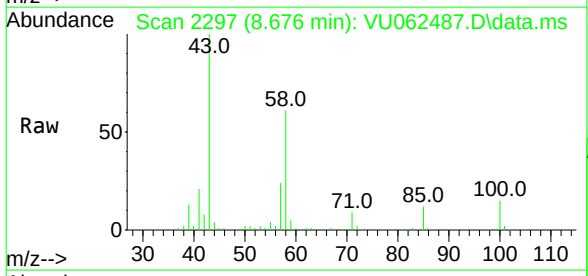
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 93249 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.1  | 73.2  | 136.0 |
| 131      | 96.4  | 72.3  | 134.3 |
| 166      | 126.7 | 90.2  | 167.4 |



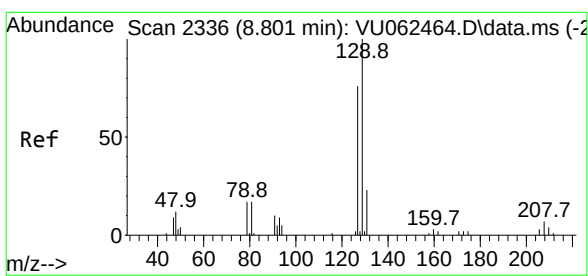
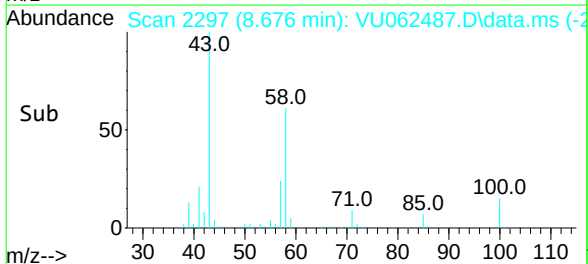
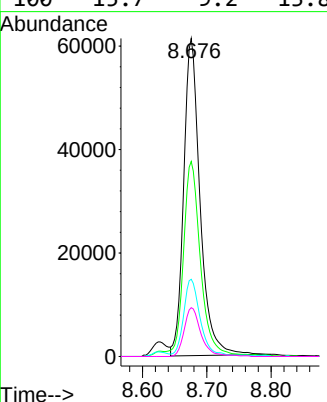


#48  
 2-Hexanone  
 Concen: 47.207 ug/L  
 RT: 8.676 min Scan# 2297  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E2AX4MS

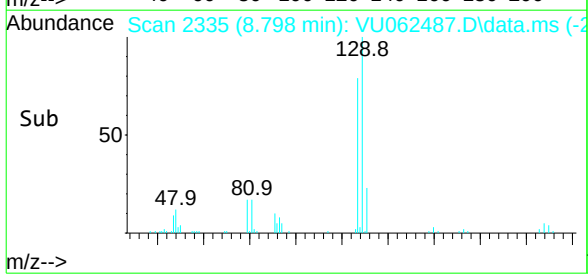
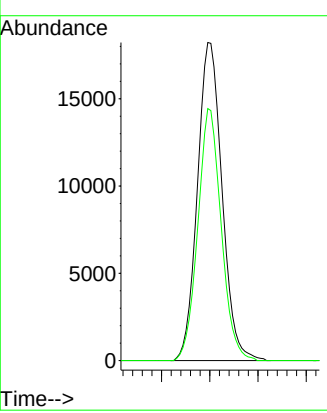
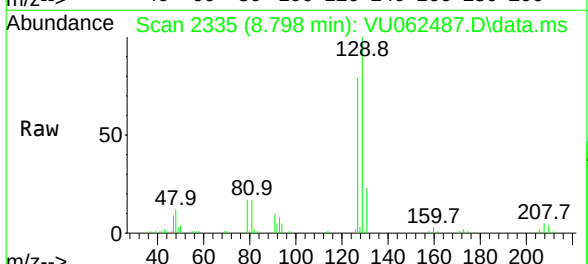


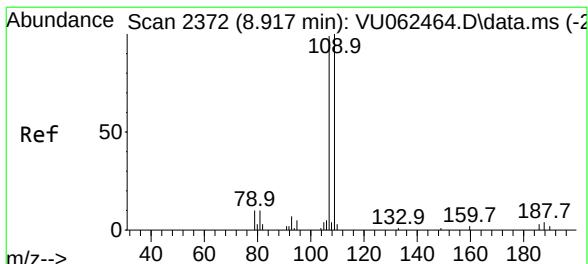
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 108889 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 62.7  | 47.5  | 71.3   |
| 57       | 23.9  | 15.6  | 23.4   |
| 100      | 15.7  | 9.2   | 13.8   |



#49  
 Dibromochloromethane  
 Concen: 5.324 ug/L  
 RT: 8.798 min Scan# 2335  
 Delta R.T. -0.003 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 32337 |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 79.2  | 51.1  | 94.9  |

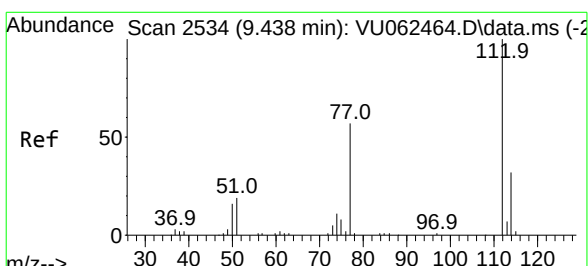
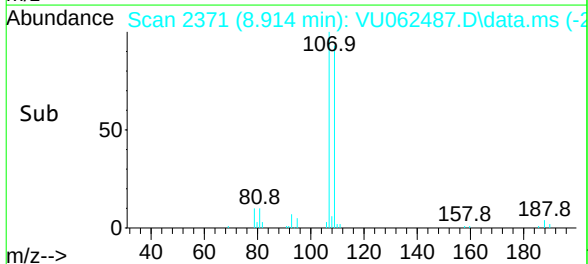
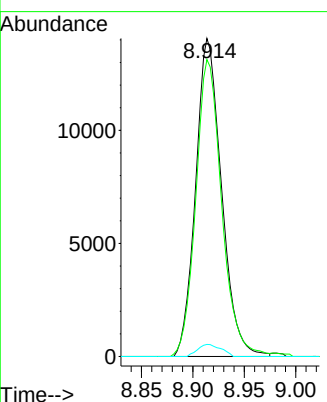
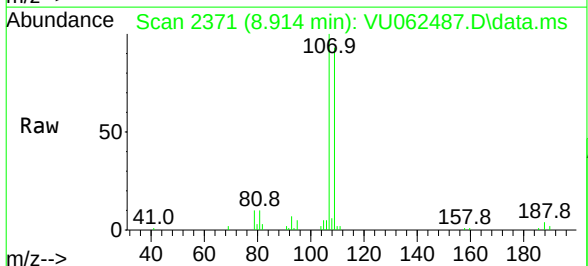




#50  
 1,2-Dibromoethane  
 Concen: 5.098 ug/L  
 RT: 8.914 min Scan# 2371  
 Delta R.T. -0.003 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

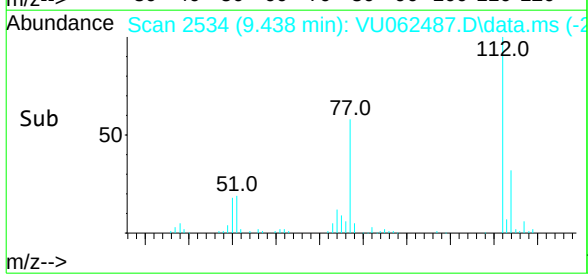
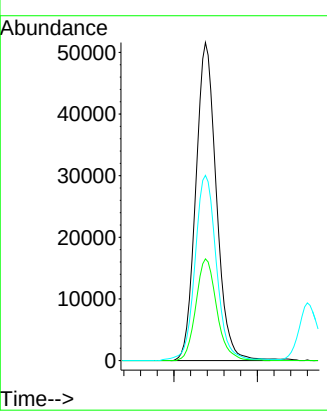
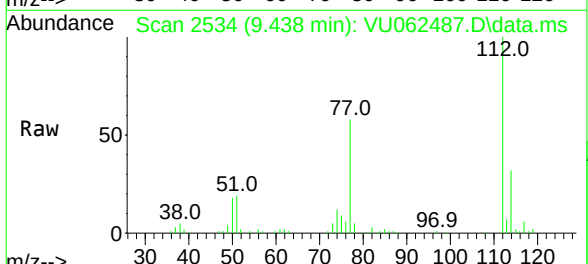
Instrument : MSVOA\_U  
 ClientSampleId : E2AX4MS

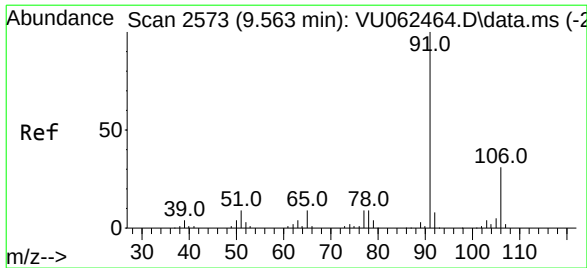
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 24627 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 93.3  | 66.8  | 124.2 |
| 188      | 3.8   | 2.3   | 3.5   |



#51  
 Chlorobenzene  
 Concen: 4.681 ug/L  
 RT: 9.438 min Scan# 2534  
 Delta R.T. 0.000 min  
 Lab File: VU062487.D  
 Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 88444 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.0  | 23.0  | 42.6  |
| 77       | 58.2  | 50.5  | 75.7  |

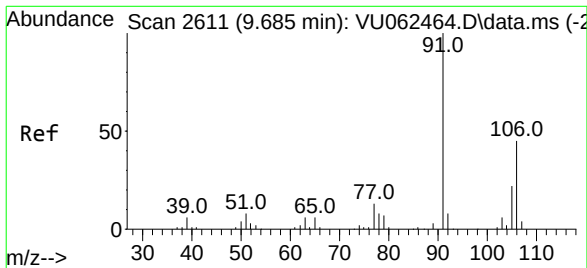
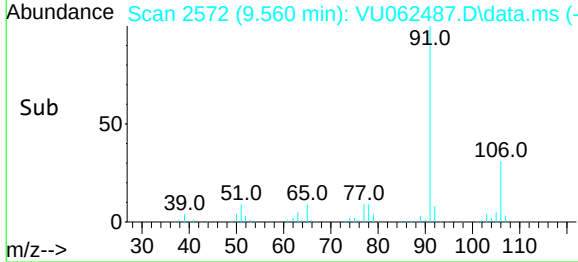
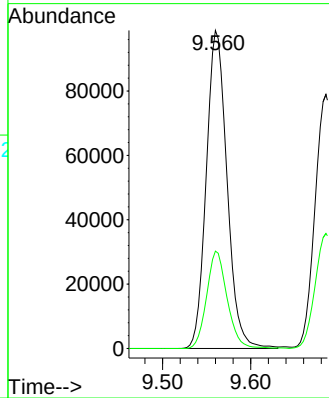
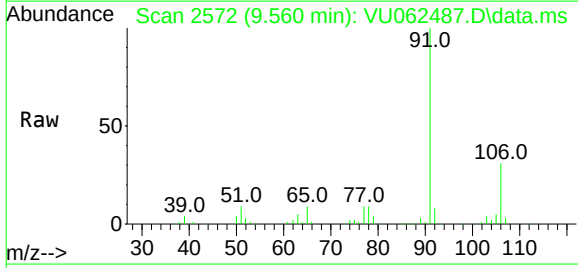




#52  
Ethylbenzene  
Concen: 4.887 ug/L  
RT: 9.560 min Scan# 2573  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

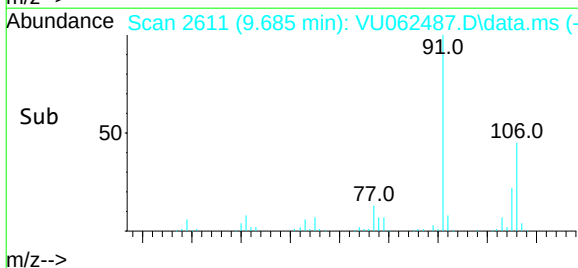
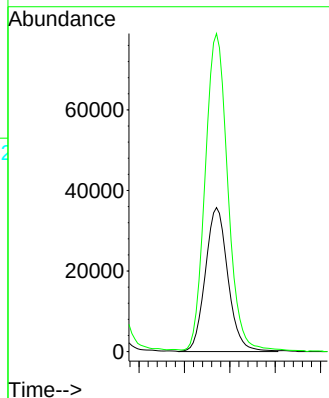
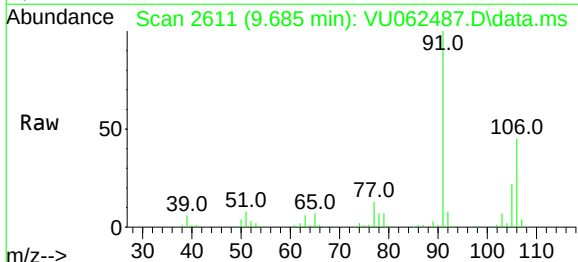
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

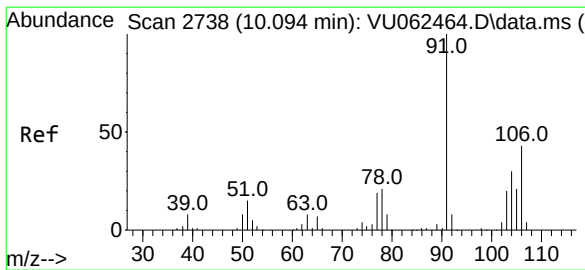
Tgt Ion: 91 Resp: 161584  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.6 40.0



#53  
m,p-Xylene  
Concen: 5.075 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

Tgt Ion: 106 Resp: 61950  
Ion Ratio Lower Upper  
106 100  
91 220.9 147.6 274.0





#54

o-Xylene

Concen: 4.931 ug/L

RT: 10.090 min Scan# 2738

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

Instrument :

MSVOA\_U

ClientSampleId :

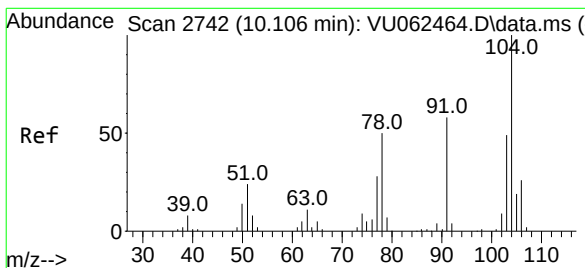
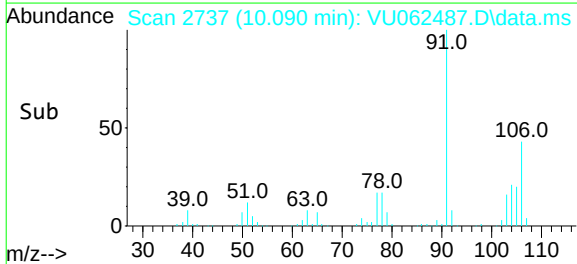
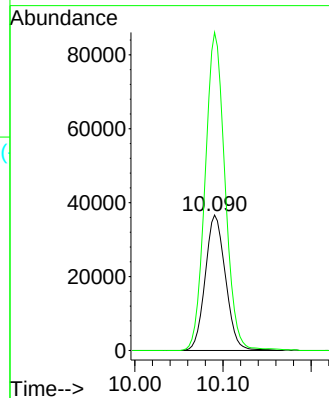
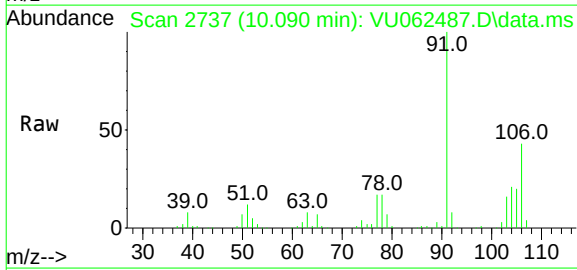
E2AX4MS

Tgt Ion:106 Resp: 58535

Ion Ratio Lower Upper

106 100

91 234.8 159.8 296.8



#55

Styrene

Concen: 4.666 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU062487.D

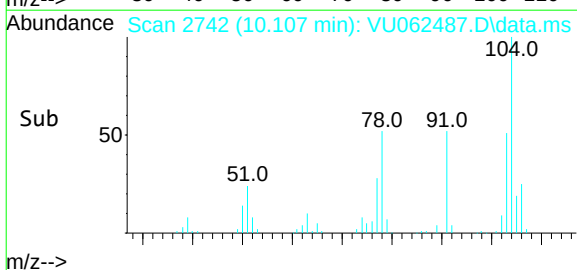
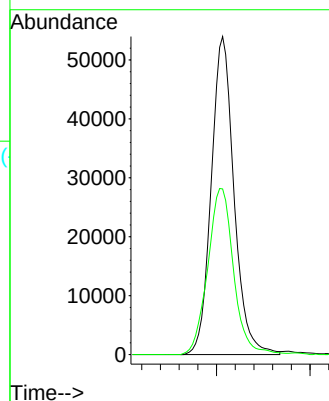
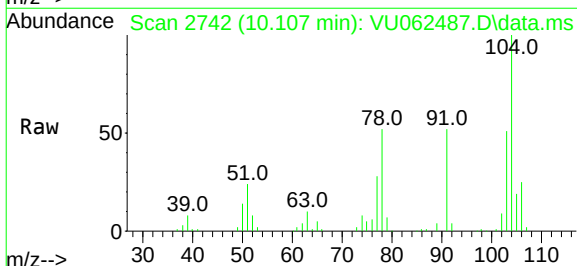
Acq: 19 Dec 2024 20:02

Tgt Ion:104 Resp: 91306

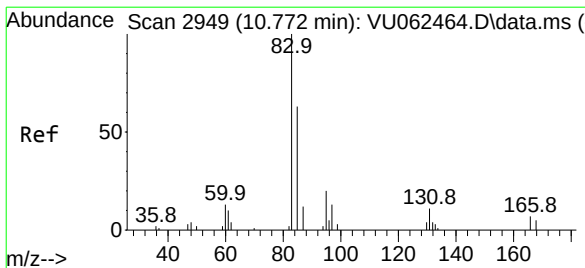
Ion Ratio Lower Upper

104 100

78 52.1 33.2 61.7



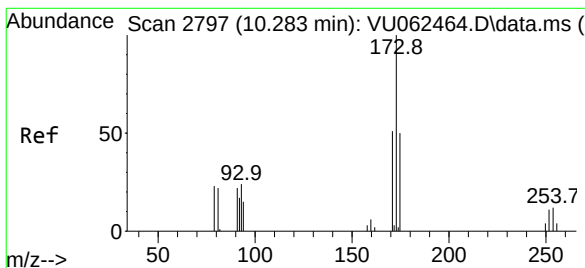
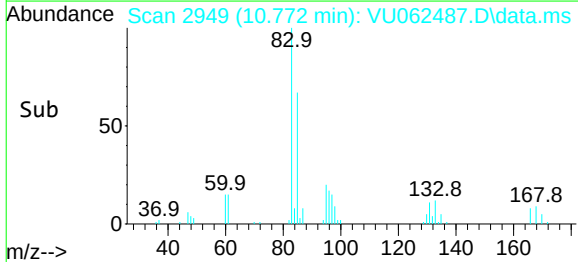
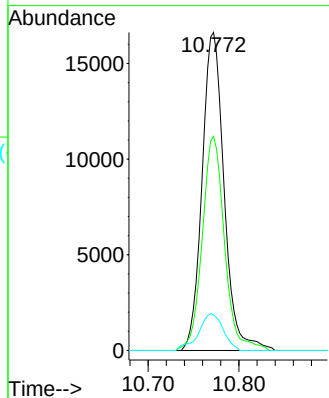
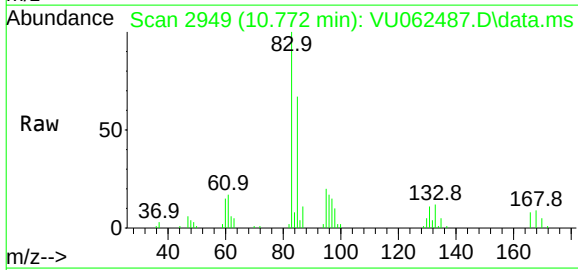




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.783 ug/L  
RT: 10.772 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

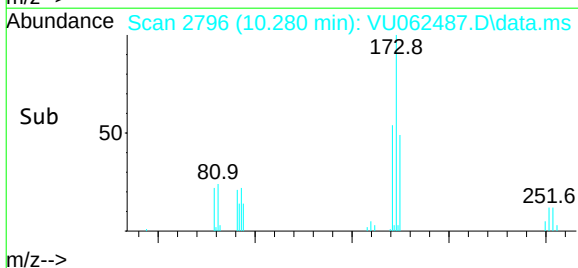
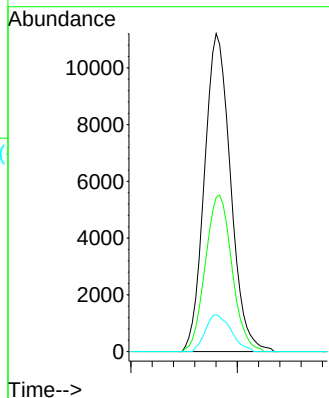
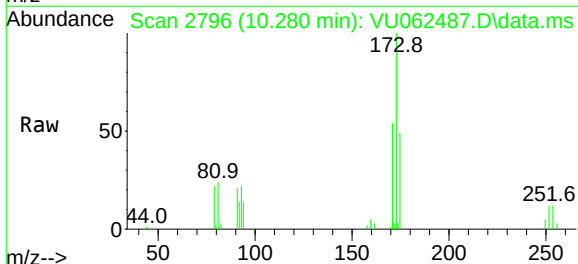
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS

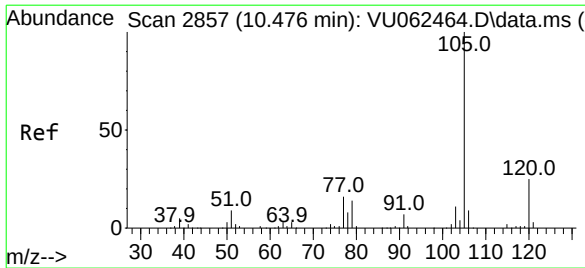
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 27986 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.3  | 44.4  | 82.4  |
| 131      | 11.2  | 7.3   | 10.9  |



#59  
Bromoform  
Concen: 5.140 ug/L  
RT: 10.280 min Scan# 2796  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 19144 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 50.1  | 39.0  | 58.4  |
| 254      | 11.4  | 7.4   | 11.0  |





#60

Isopropylbenzene

Concen: 4.477 ug/L

RT: 10.473 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

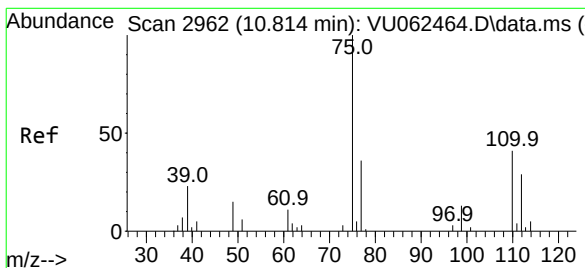
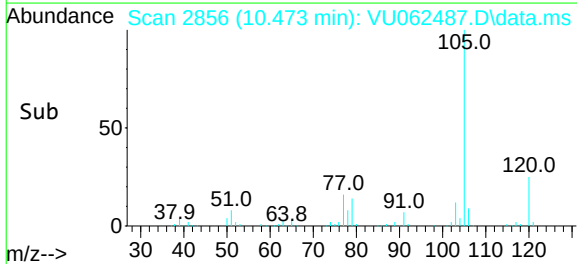
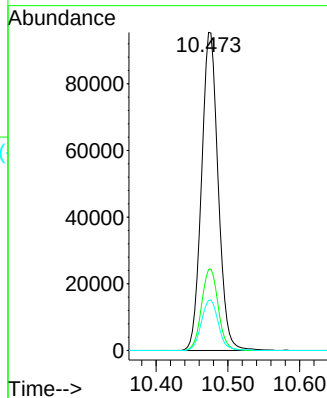
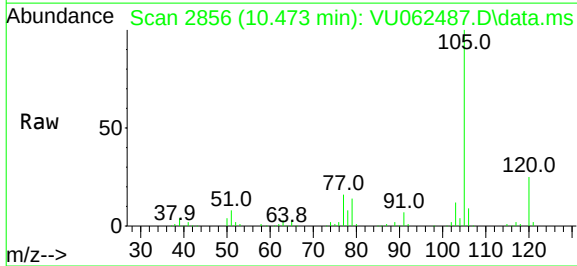
Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 153267 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 25.7  | 20.6  | 31.0   |
| 77       | 16.2  | 13.0  | 19.6   |



#61

1,2,3-Trichloropropane

Concen: 4.833 ug/L

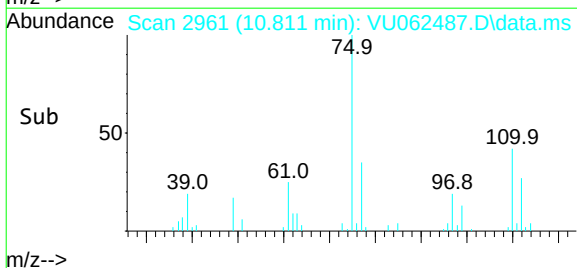
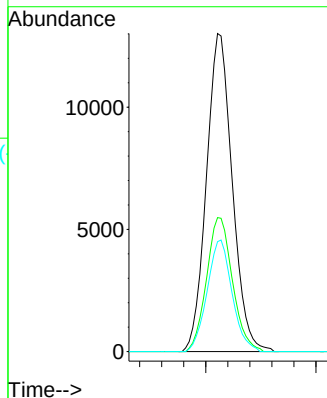
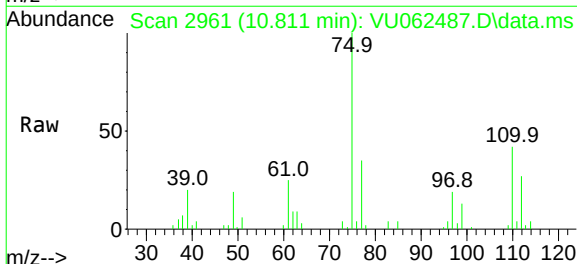
RT: 10.811 min Scan# 2961

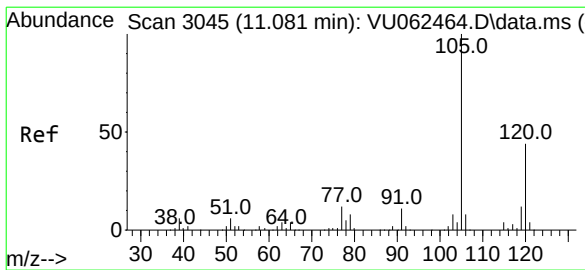
Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 21181 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 42.2  | 28.9  | 43.3  |
| 77       | 33.8  | 26.5  | 39.7  |





#62

1,3,5-Trimethylbenzene

Concen: 4.431 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

Instrument :

MSVOA\_U

ClientSampleId :

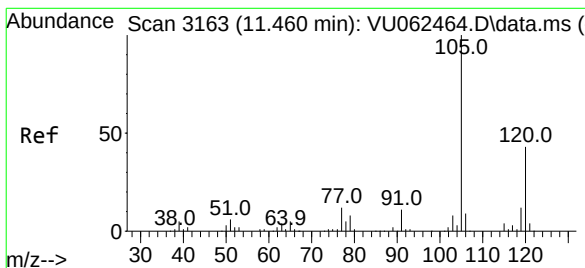
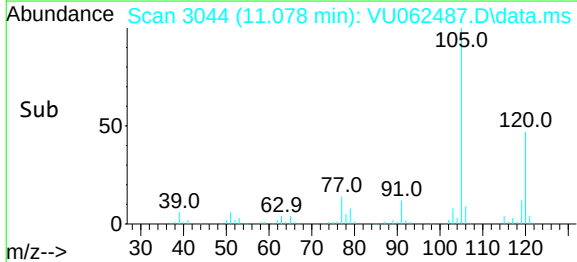
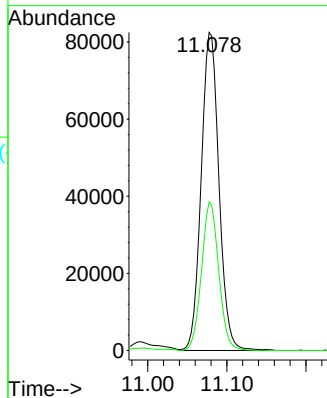
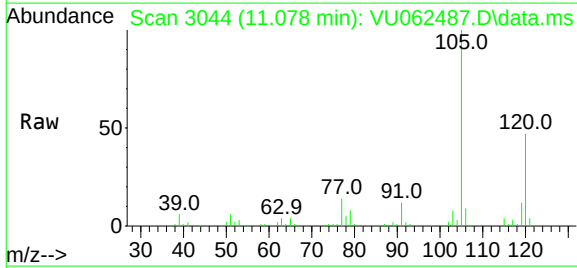
E2AX4MS

Tgt Ion:105 Resp: 128370

Ion Ratio Lower Upper

105 100

120 45.3 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.570 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU062487.D

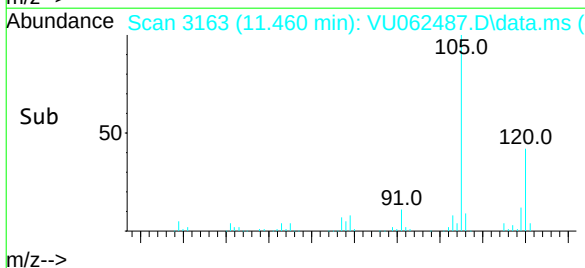
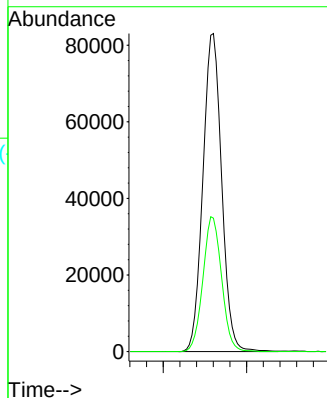
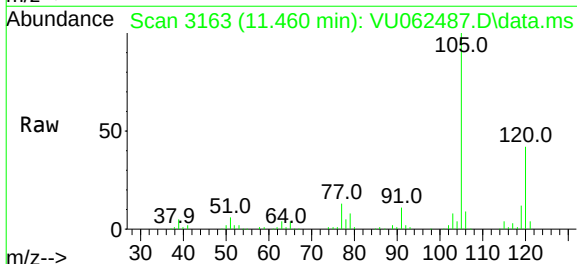
Acq: 19 Dec 2024 20:02

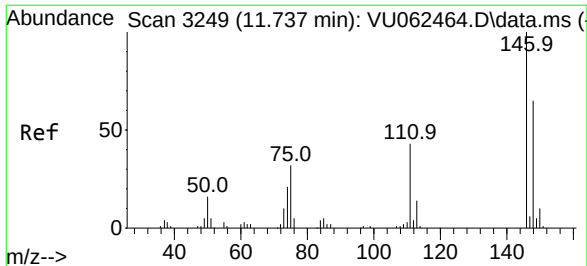
Tgt Ion:105 Resp: 129719

Ion Ratio Lower Upper

105 100

120 42.2 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.474 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU062487.D

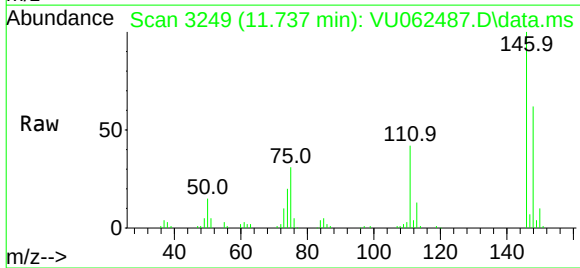
Acq: 19 Dec 2024 20:02

Instrument :

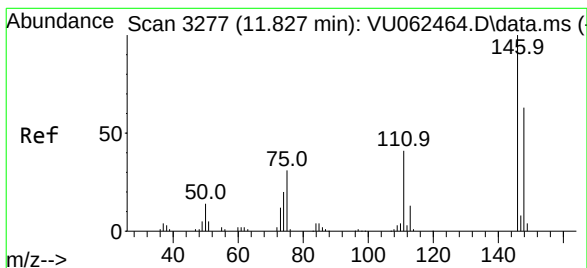
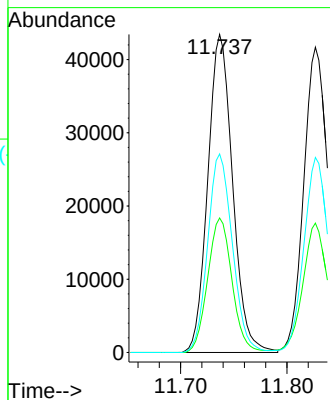
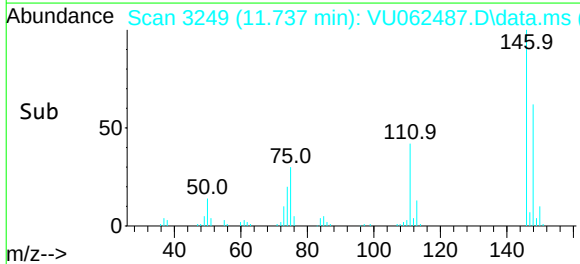
MSVOA\_U

ClientSampleId :

E2AX4MS



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 70352 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 42.3  | 30.7  | 57.1  |
| 148      | 62.4  | 45.1  | 83.7  |



#65

1,4-Dichlorobenzene

Concen: 4.303 ug/L

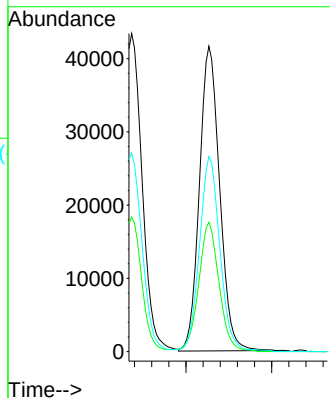
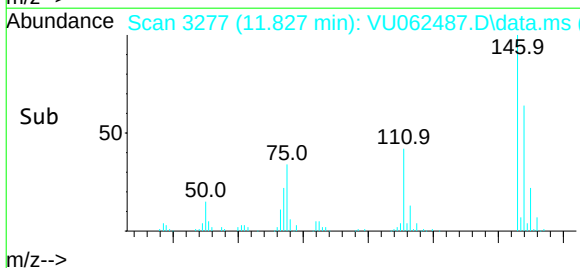
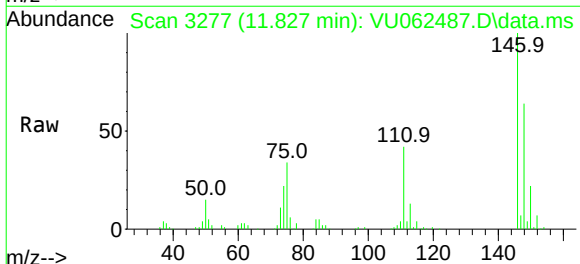
RT: 11.827 min Scan# 3277

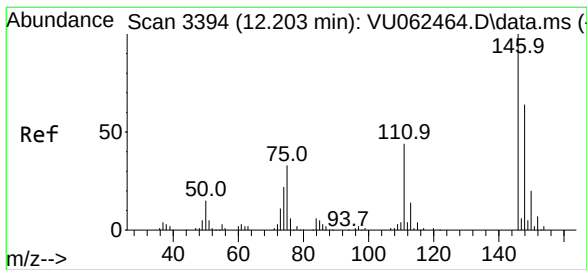
Delta R.T. 0.000 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

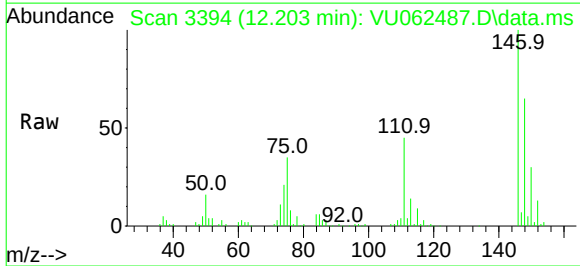
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 68147 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 42.4  | 29.3  | 54.3  |
| 148      | 63.9  | 44.6  | 82.8  |



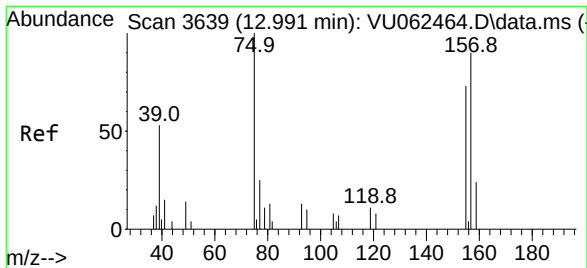
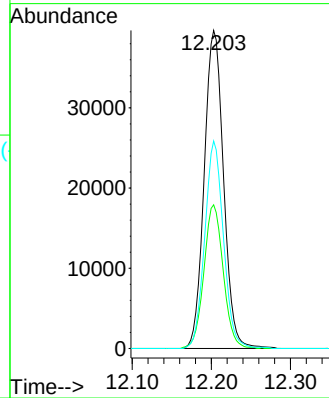
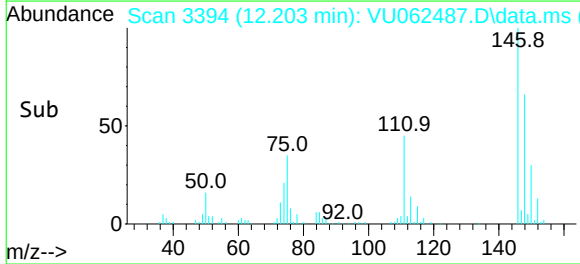


#67  
1,2-Dichlorobenzene  
Concen: 4.635 ug/L  
RT: 12.203 min Scan# 3394  
Delta R.T. 0.000 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02

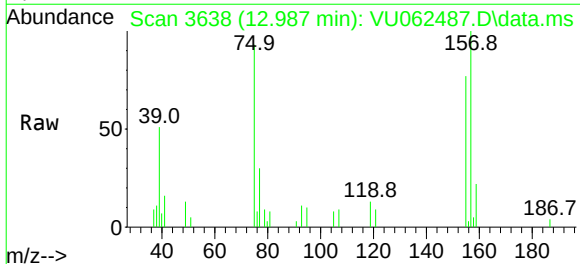
Instrument :  
MSVOA\_U  
ClientSampleId :  
E2AX4MS



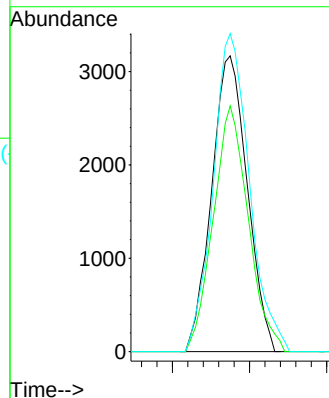
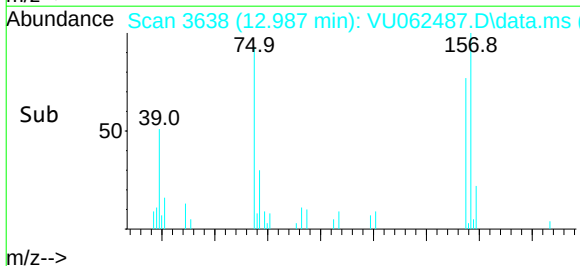
Tgt Ion: 146 Resp: 67357  
Ion Ratio Lower Upper  
146 100  
111 45.2 36.0 54.0  
148 65.2 52.3 78.5

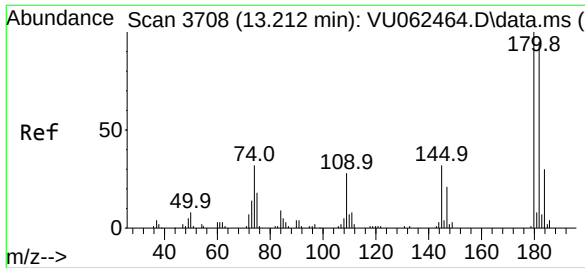


#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.317 ug/L  
RT: 12.987 min Scan# 3638  
Delta R.T. -0.003 min  
Lab File: VU062487.D  
Acq: 19 Dec 2024 20:02



Tgt Ion: 75 Resp: 5083  
Ion Ratio Lower Upper  
75 100  
155 83.1 55.2 82.8#  
157 107.5 73.5 110.3





#69

1,3,5-Trichlorobenzene

Concen: 4.000 ug/L

RT: 13.209 min Scan# 37

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MS

Tgt Ion:180 Resp: 46762

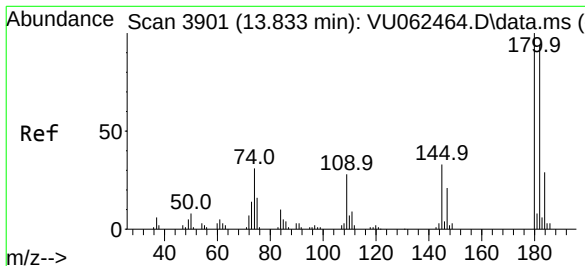
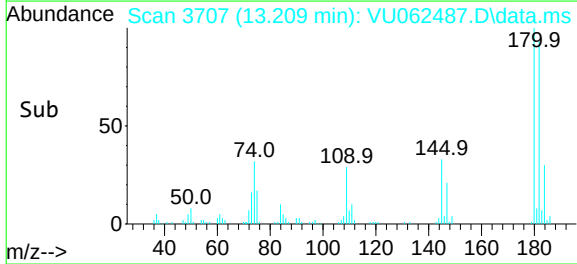
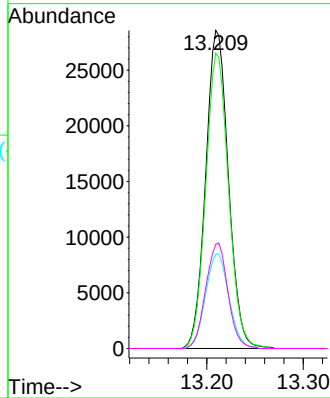
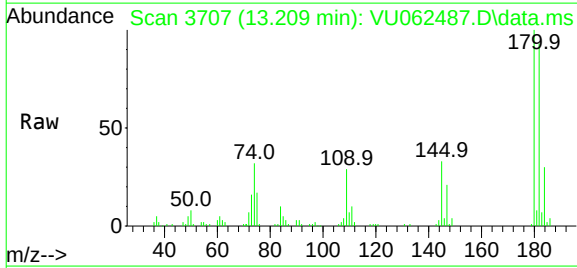
Ion Ratio Lower Upper

180 100

182 93.2 76.7 115.1

184 30.4 24.8 37.2

145 32.4 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 3.936 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

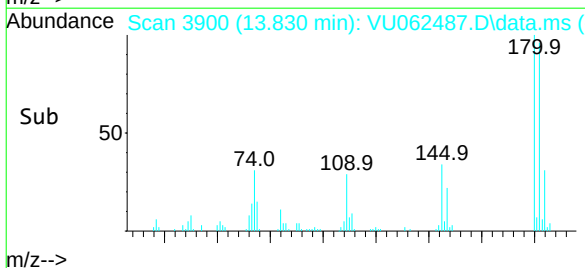
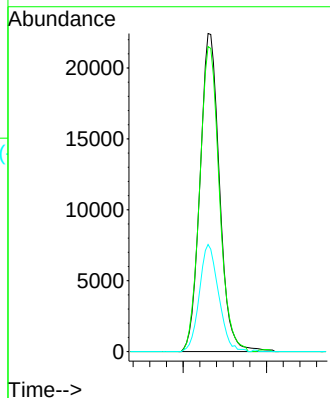
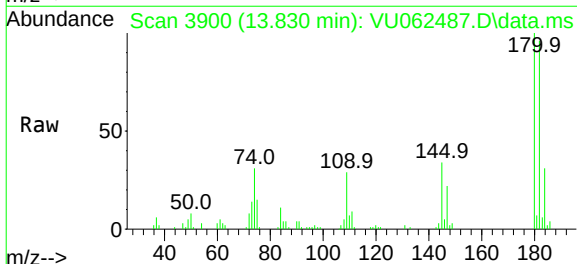
Tgt Ion:180 Resp: 36332

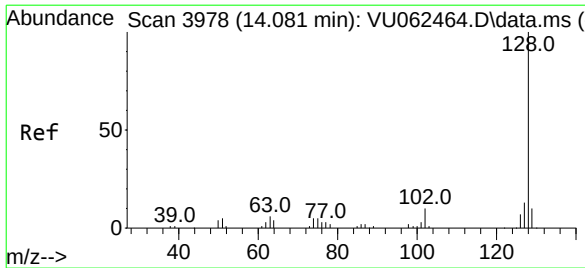
Ion Ratio Lower Upper

180 100

182 96.5 74.5 111.7

145 33.3 25.6 38.4





#71

Naphthalene

Concen: 4.259 ug/L

RT: 14.081 min Scan# 39

Delta R.T. 0.000 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

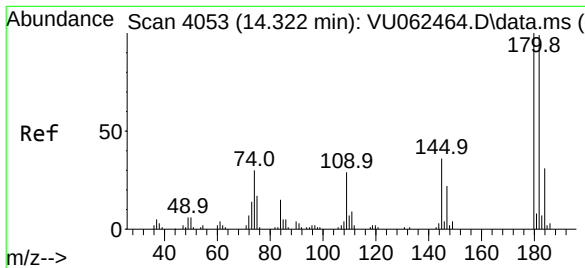
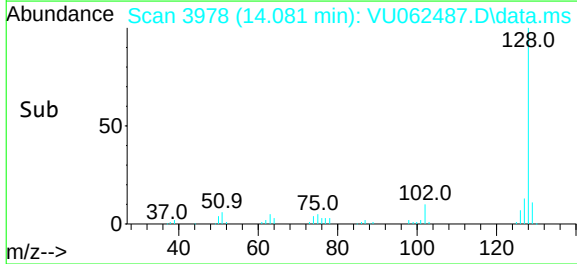
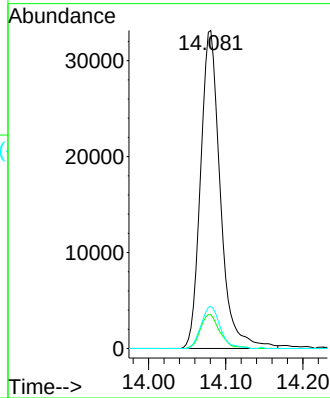
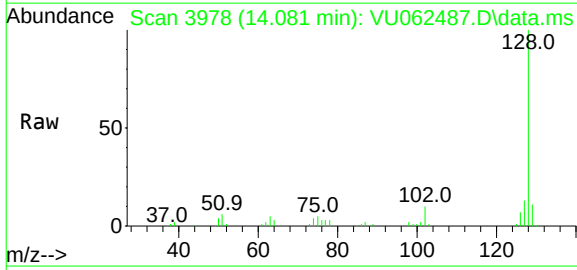
Instrument :

MSVOA\_U

ClientSampleId :

E2AX4MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 59023 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.5  | 8.5   | 12.7  |
| 127      | 12.8  | 10.2  | 15.4  |



#72

1,2,3-Trichlorobenzene

Concen: 4.161 ug/L

RT: 14.319 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU062487.D

Acq: 19 Dec 2024 20:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 33868 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.7  | 76.1  | 114.1 |
| 145      | 34.5  | 27.4  | 41.0  |

