

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122124\  
 Data File : VW031482.D  
 Acq On : 22 Dec 2024 00:06  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 23 01:46:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Dec 23 00:16:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 489077   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 436520   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 216955   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 169284   | 23.004   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.000%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 144282   | 26.506   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 106.040%  |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65    | 72418    | 20.747   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.000%   |
| 21) 2-Butanone-d5             | 7.106  | 46    | 75687    | 54.615   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.220%  |
| 24) Chloroform-d              | 7.648  | 84    | 342936   | 25.592   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.360%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 180500   | 26.821   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 107.280%  |
| 32) Benzene-d6                | 8.276  | 84    | 659206   | 23.561   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 94.240%   |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 203135   | 24.912   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.640%   |
| 41) Toluene-d8                | 10.319 | 98    | 611067   | 23.477   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.920%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 76587    | 20.370   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 81.480%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 60426    | 55.103   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 153661   | 30.013   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 120.040%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 210103   | 26.086   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.360%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 106362   | 24.063   | ug/L   | 98        |
| 3) Chloromethane              | 2.216  | 50    | 119349   | 24.035   | ug/L   | 96        |
| 5) Vinyl chloride             | 2.369  | 62    | 193497   | 28.118   | ug/L   | 96        |
| 6) Bromomethane               | 2.789  | 94    | 127093   | 30.040   | ug/L   | 98        |
| 8) Chloroethane               | 2.936  | 64    | 126460   | 30.901   | ug/L   | 96        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 190014   | 25.919   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 154072   | 26.027   | ug/L   | 95        |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 150818   | 25.154   | ug/L   | 93        |
| 13) Acetone                   | 4.192  | 43    | 73569    | 38.119   | ug/L # | 100       |
| 14) Carbon disulfide          | 4.387  | 76    | 386031   | 19.742   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.692  | 43    | 55978    | 25.537   | ug/L   | 93        |
| 16) Methylene chloride        | 4.917  | 84    | 163262   | 26.531   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 166888   | 25.823   | ug/L   | 99        |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 295038   | 27.307   | ug/L   | 98        |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 323142   | 26.757   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 192642   | 27.550   | ug/L   | 100       |
| 22) 2-Butanone                | 7.191  | 43    | 92973    | 39.758   | ug/L   | 97        |
| 23) Bromochloromethane        | 7.514  | 128   | 81123    | 29.090   | ug/L   | 93        |
| 25) Chloroform                | 7.679  | 83    | 336728   | 28.251   | ug/L   | 100       |

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 Sample : VSTDCCC025  
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 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 23 01:46:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Dec 23 00:16:39 2024  
 Response via : Initial Calibration

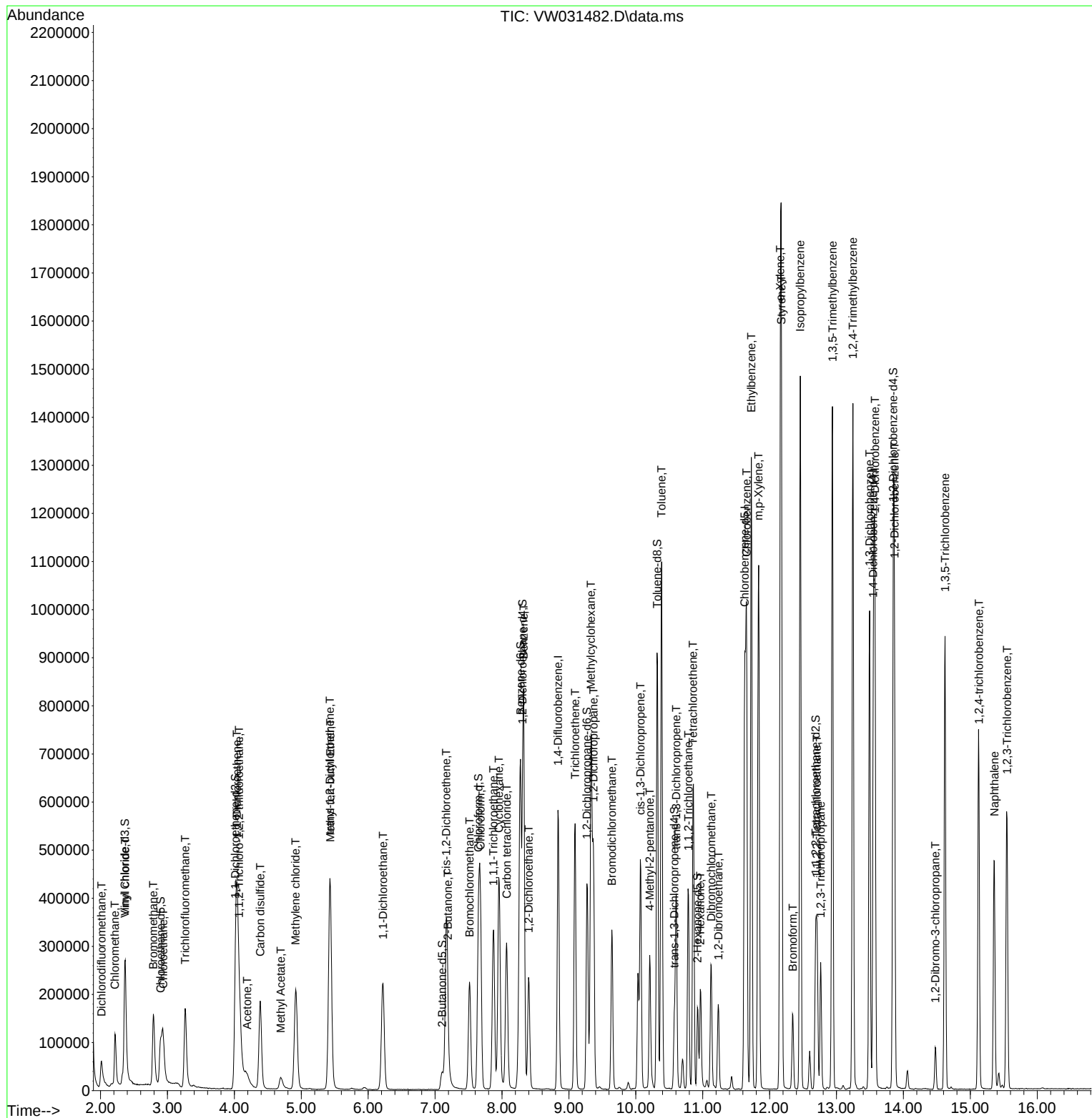
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 218603   | 29.173 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 253298   | 21.397 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 271837   | 24.093 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 224711   | 22.355 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 720432   | 26.706 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 195525   | 25.673 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 308824   | 23.284 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 183413   | 27.255 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 221645   | 25.335 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 280395   | 24.657 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 182170   | 51.023 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 794350   | 27.046 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 224151   | 24.140 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 131125   | 29.294 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.855 | 164  | 141628   | 25.388 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 134760   | 44.379 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 137165   | 25.851 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 122002   | 28.772 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 504579   | 27.401 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 897528   | 26.368 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 352140   | 27.175 | ug/L  | 97       |
| 54) o-Xylene                  | 12.160 | 106  | 327498   | 26.817 | ug/L  | 92       |
| 55) Styrene                   | 12.178 | 104  | 580552   | 28.579 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 147525   | 30.573 | ug/L  | 96       |
| 59) Bromoform                 | 12.349 | 173  | 68071    | 22.334 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 940394   | 26.487 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 106693   | 28.739 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 762107   | 25.319 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 759745   | 26.114 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 394254   | 27.408 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 390068   | 27.369 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 343910   | 27.748 | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 20998    | 22.288 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 277509   | 27.546 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 225086   | 26.859 | ug/L  | 96       |
| 71) Naphthalene               | 15.360 | 128  | 417779   | 28.435 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 189739   | 28.101 | ug/L  | 97       |

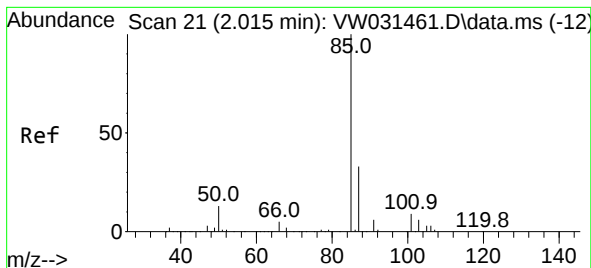
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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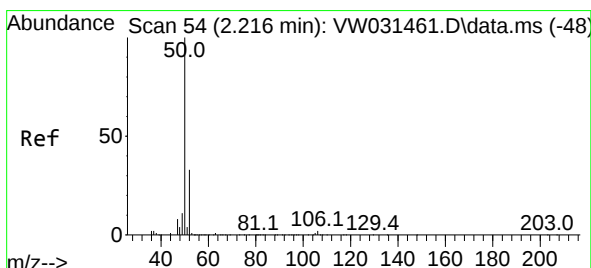
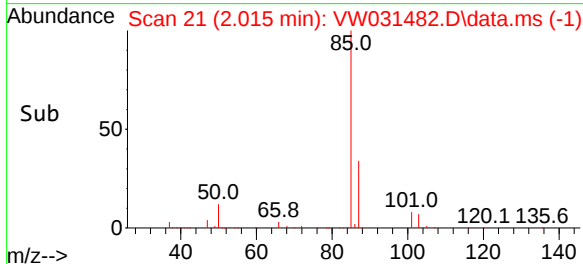
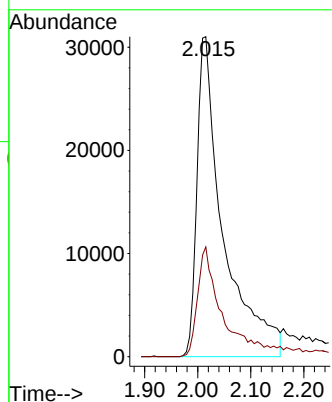
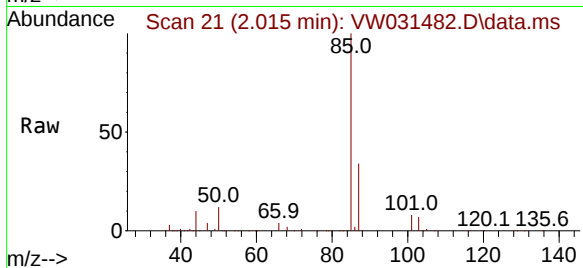




#2  
 Dichlorodifluoromethane  
 Concen: 24.063 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

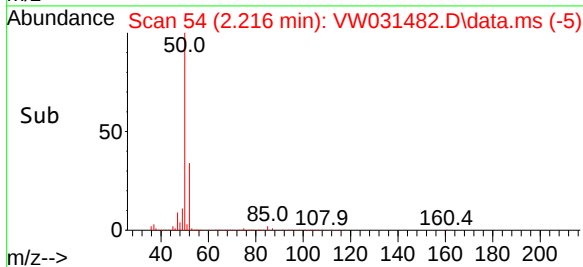
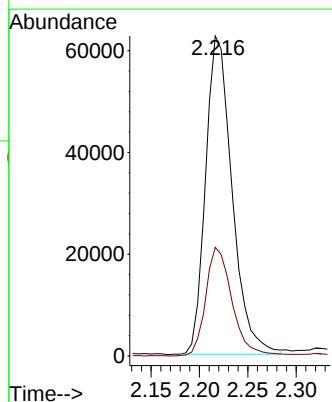
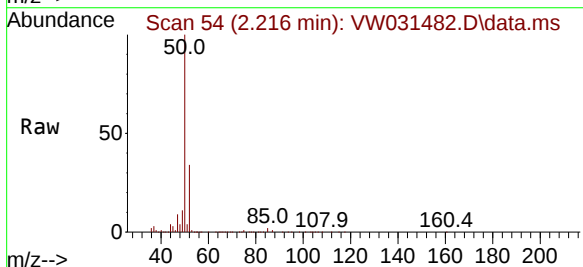
Instrument :  
 MSVOA\_W  
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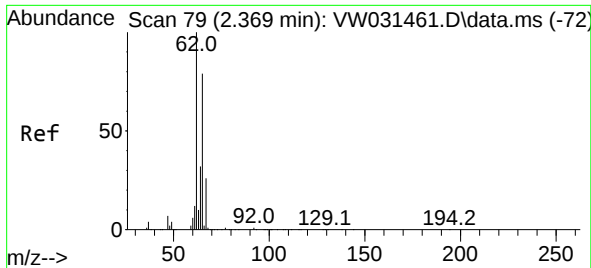
Tgt Ion: 85 Resp: 106362  
 Ion Ratio Lower Upper  
 85 100  
 87 30.0 24.9 37.3



#3  
 Chloromethane  
 Concen: 24.035 ug/L  
 RT: 2.216 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

Tgt Ion: 50 Resp: 119349  
 Ion Ratio Lower Upper  
 50 100  
 52 34.0 22.0 41.0

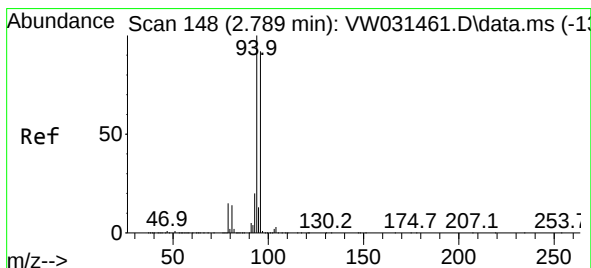
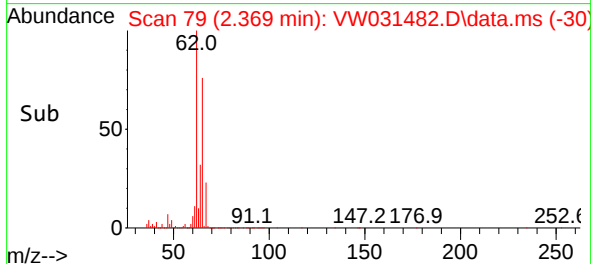
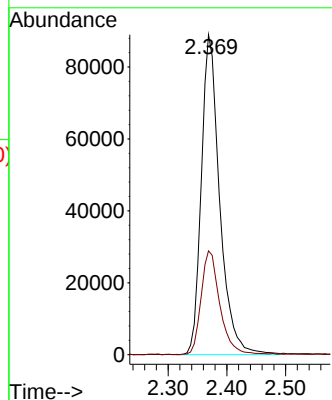
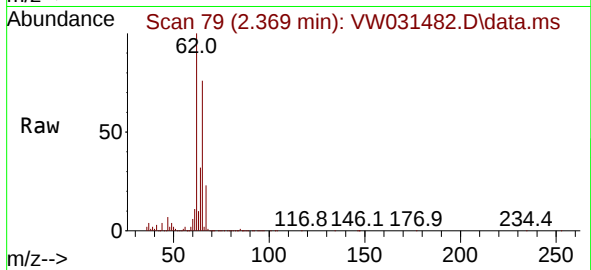




#5  
 Vinyl chloride  
 Concen: 28.118 ug/L  
 RT: 2.369 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

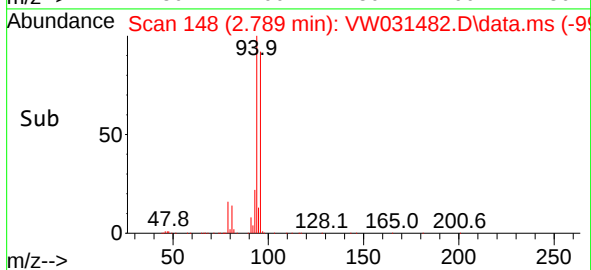
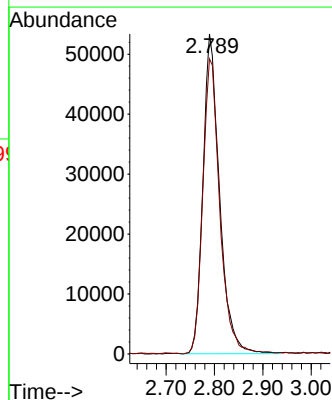
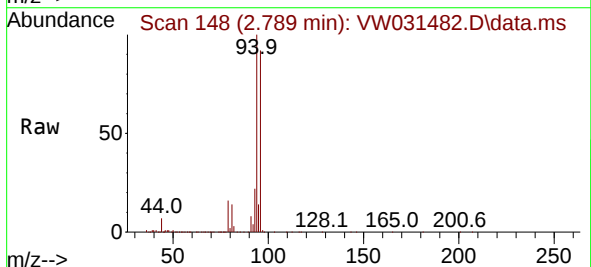
Instrument :  
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 ClientSampleId :

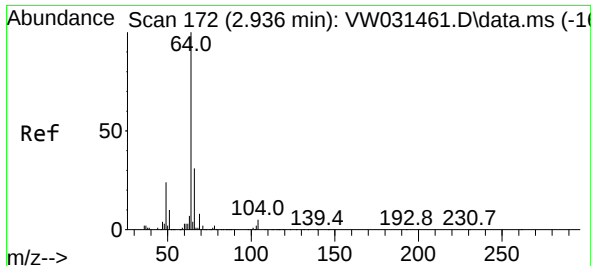
Tgt Ion: 62 Resp: 193497  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 24.1 44.8



#6  
 Bromomethane  
 Concen: 30.040 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

Tgt Ion: 94 Resp: 127093  
 Ion Ratio Lower Upper  
 94 100  
 96 92.2 65.6 121.8

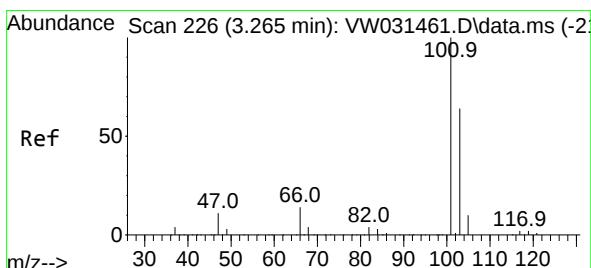
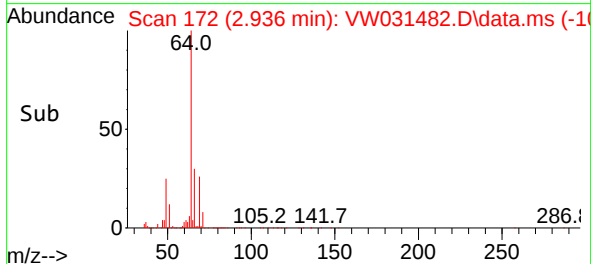
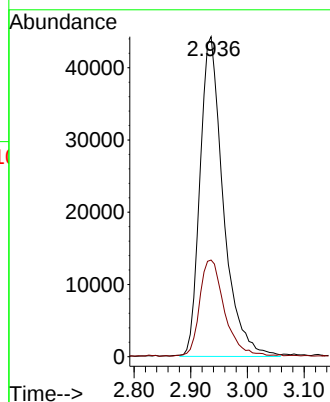
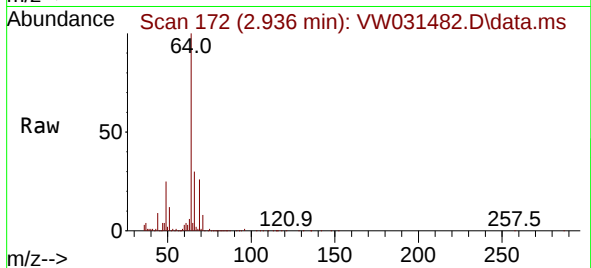




#8  
Chloroethane  
Concen: 30.901 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

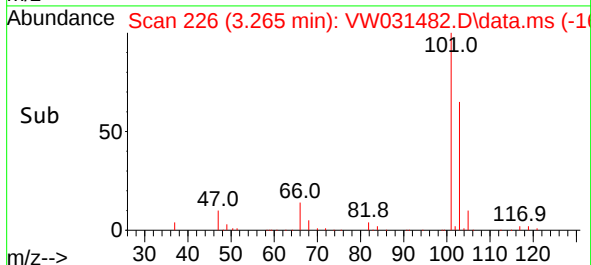
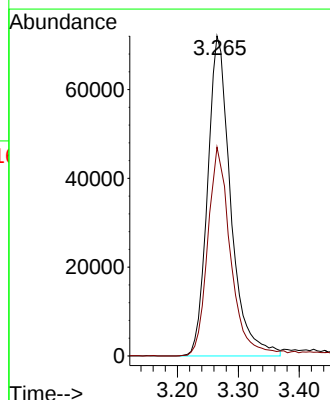
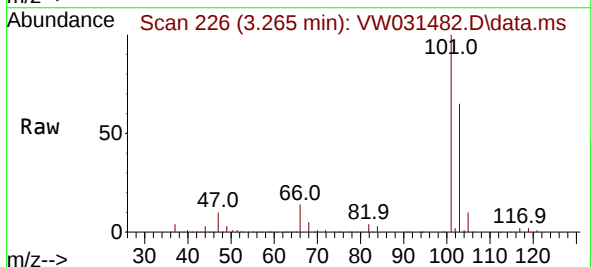
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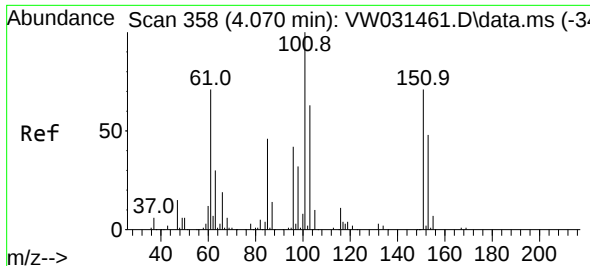
Tgt Ion: 64 Resp: 126460  
Ion Ratio Lower Upper  
64 100  
66 30.2 22.7 42.3



#9  
Trichlorofluoromethane  
Concen: 25.919 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion:101 Resp: 190014  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.6 77.4

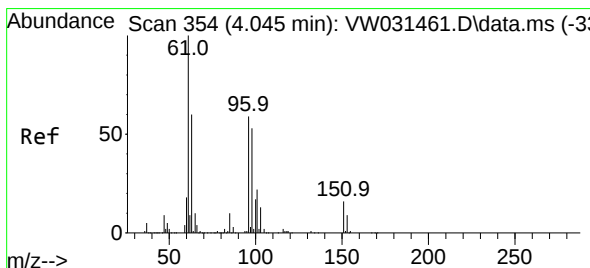
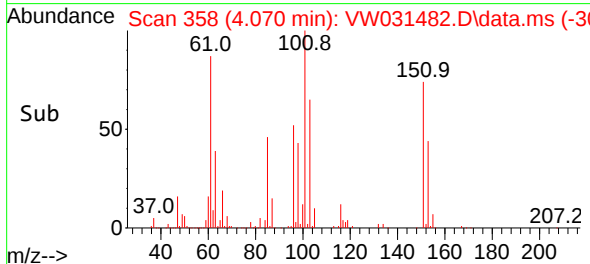
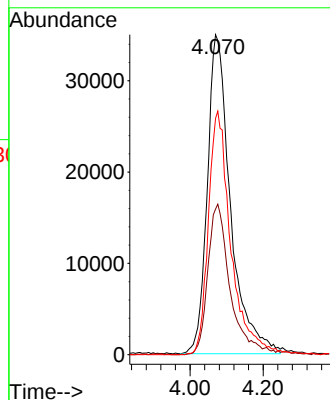
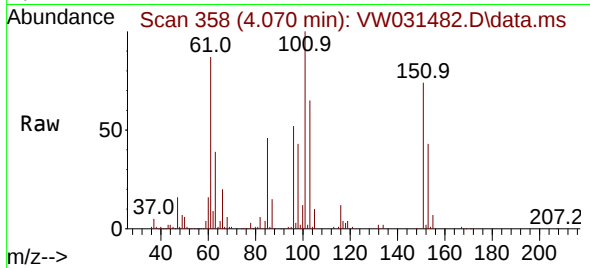




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 26.027 ug/L  
 RT: 4.070 min Scan# 310  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

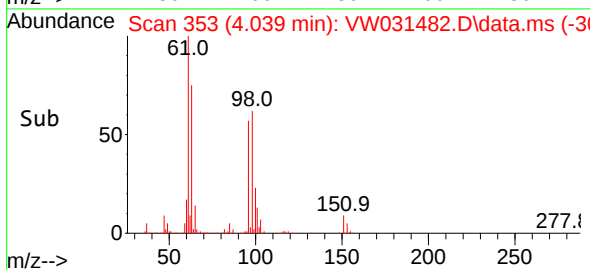
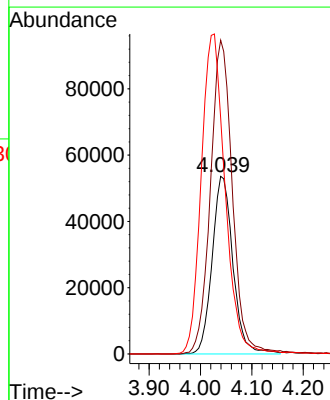
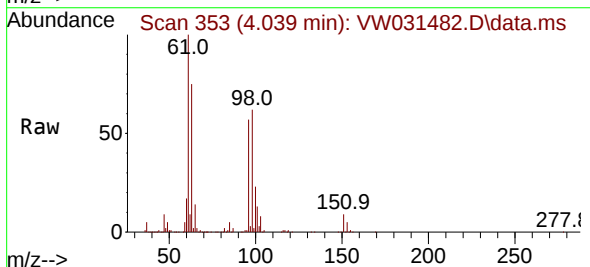
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 MSVOA\_W  
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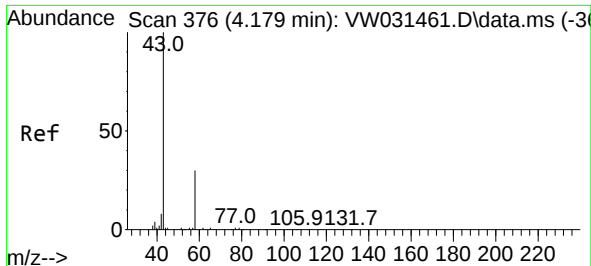
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 Ion Ratio Lower Upper  
 101 100  
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 151 73.4 54.8 82.2



#12  
 1,1-Dichloroethene  
 Concen: 25.154 ug/L  
 RT: 4.039 min Scan# 353  
 Delta R.T. -0.006 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

Tgt Ion: 96 Resp: 150818  
 Ion Ratio Lower Upper  
 96 100  
 61 176.7 125.3 232.7  
 63 132.8 104.6 194.2

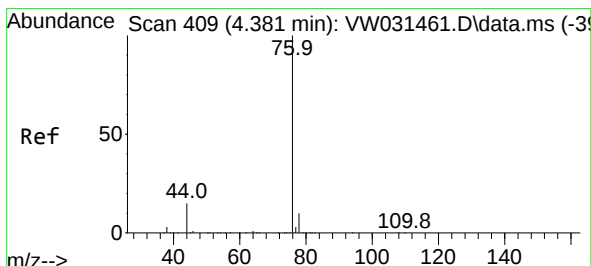
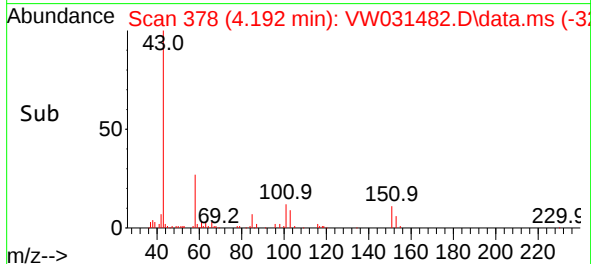
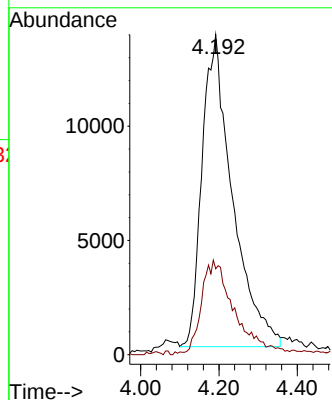
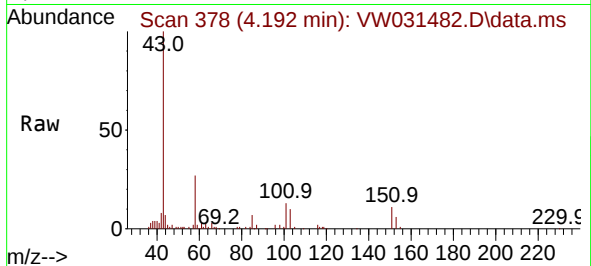




#13  
Acetone  
Concen: 38.119 ug/L  
RT: 4.192 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

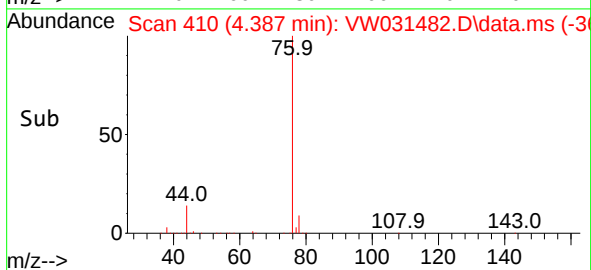
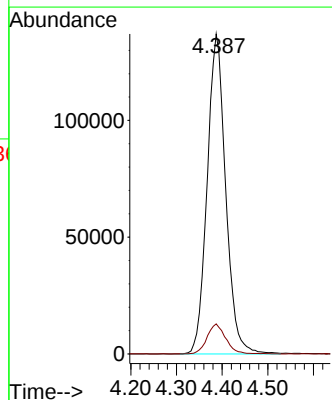
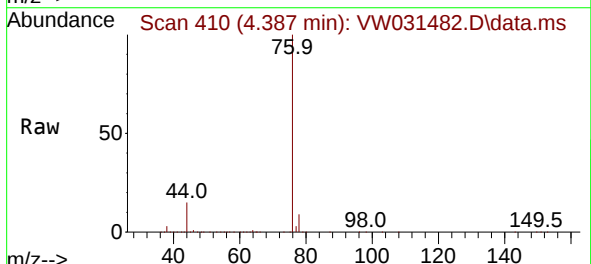
Instrument :  
MSVOA\_W  
ClientSampleId :

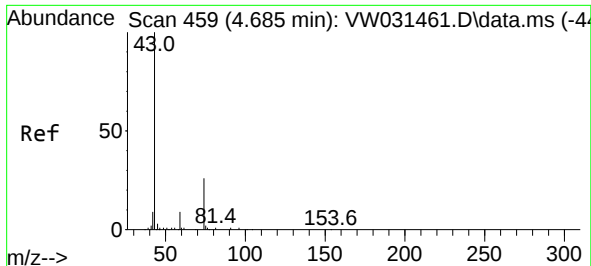
Tgt Ion: 43 Resp: 73569  
Ion Ratio Lower Upper  
43 100  
58 9.9 0.0 0.0#



#14  
Carbon disulfide  
Concen: 19.742 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion: 76 Resp: 386031  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9

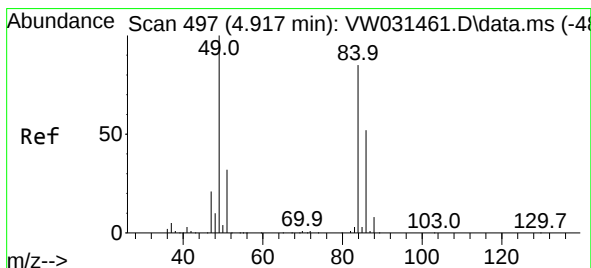
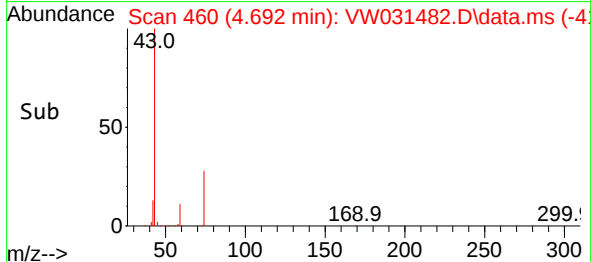
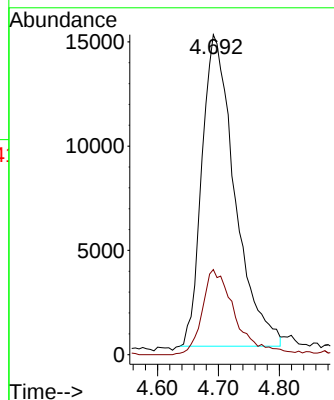
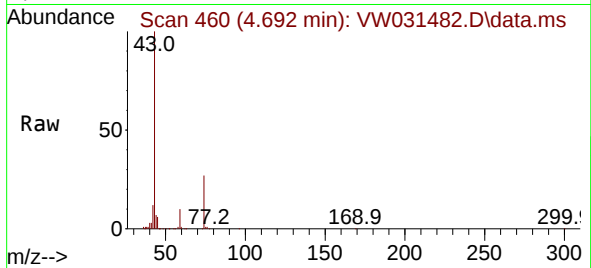




#15  
Methyl Acetate  
Concen: 25.537 ug/L  
RT: 4.692 min Scan# 4  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

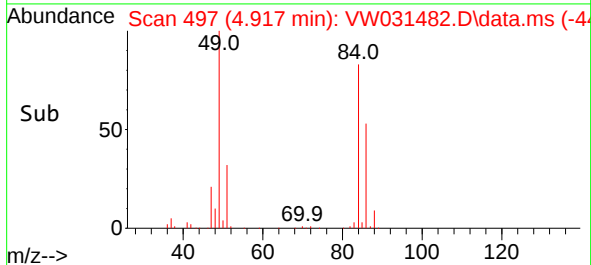
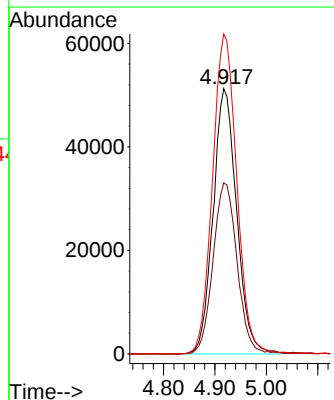
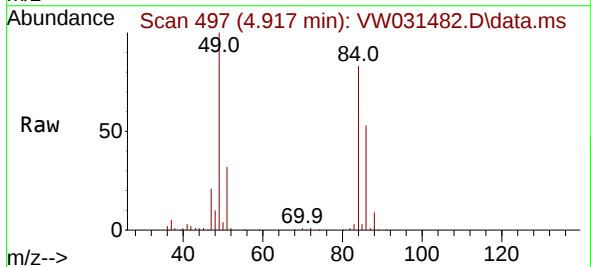
Instrument :  
MSVOA\_W  
ClientSampleId :

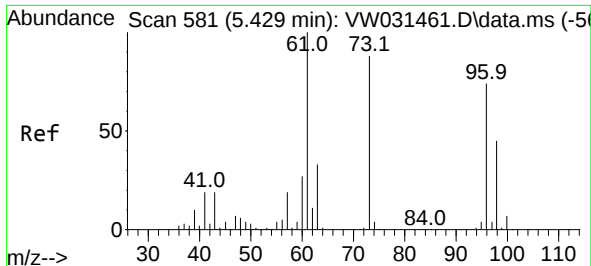
Tgt Ion: 43 Resp: 55978  
Ion Ratio Lower Upper  
43 100  
74 27.2 18.9 28.3



#16  
Methylene chloride  
Concen: 26.531 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion: 84 Resp: 163262  
Ion Ratio Lower Upper  
84 100  
86 64.5 44.7 82.9  
49 120.6 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 25.823 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :

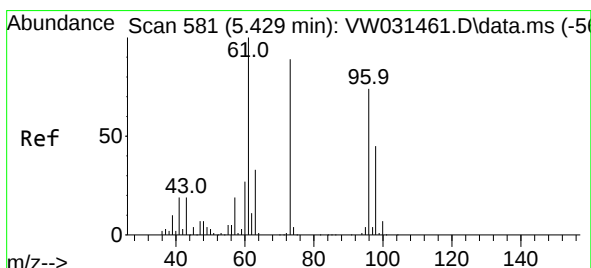
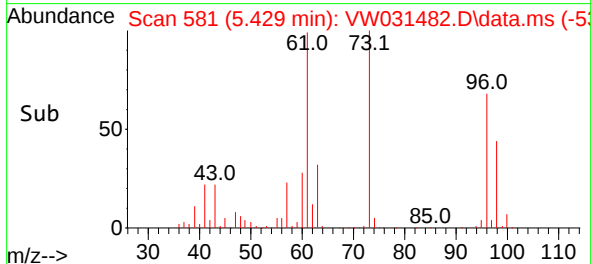
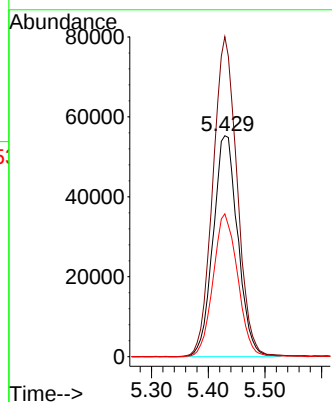
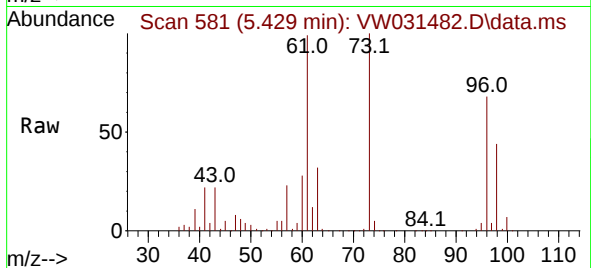
Tgt Ion: 96 Resp: 166888

Ion Ratio Lower Upper

96 100

61 144.8 100.7 187.1

98 64.7 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 27.307 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

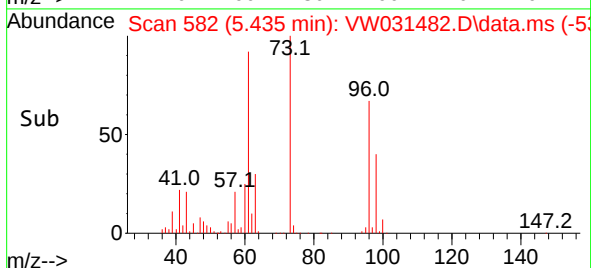
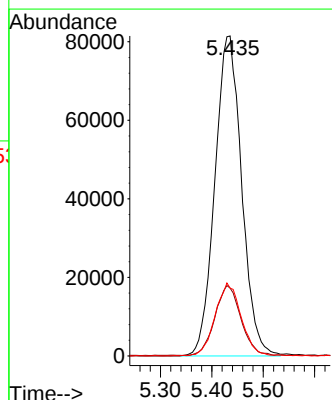
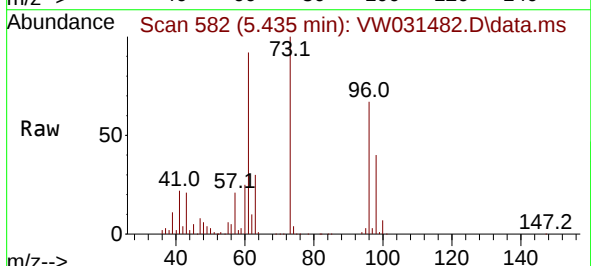
Tgt Ion: 73 Resp: 295038

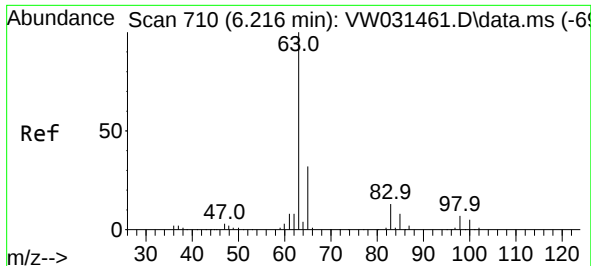
Ion Ratio Lower Upper

73 100

43 21.3 17.9 26.9

57 22.0 17.9 26.9





#19

1,1-Dichloroethane

Concen: 26.757 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

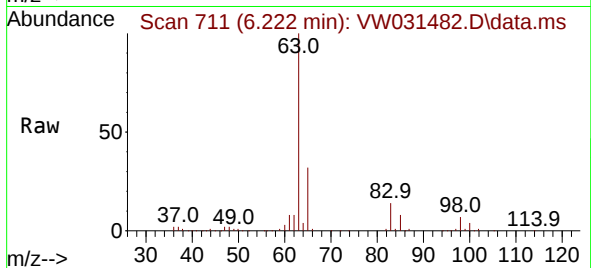
Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :



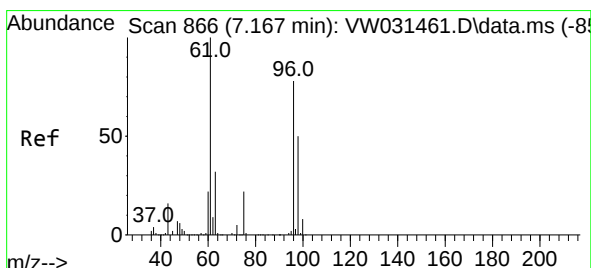
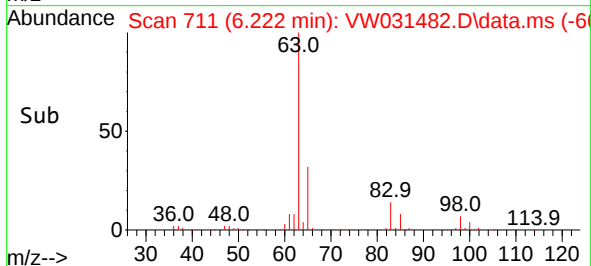
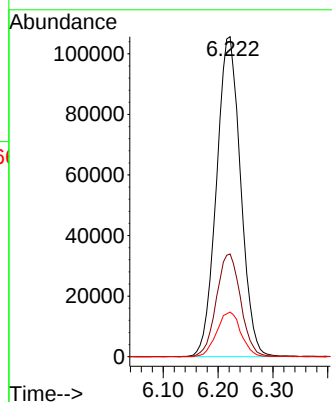
Tgt Ion: 63 Resp: 323142

Ion Ratio Lower Upper

63 100

65 32.1 21.9 40.7

83 13.9 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 27.550 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

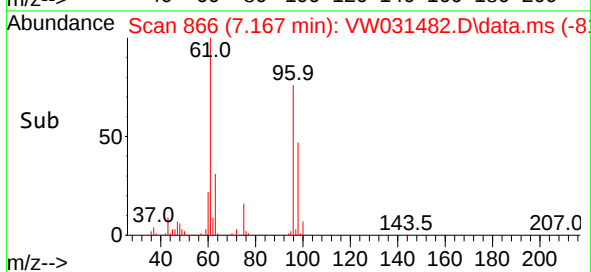
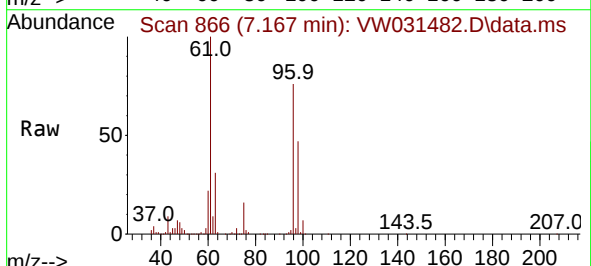
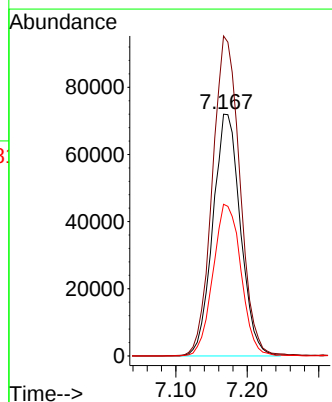
Tgt Ion: 96 Resp: 192642

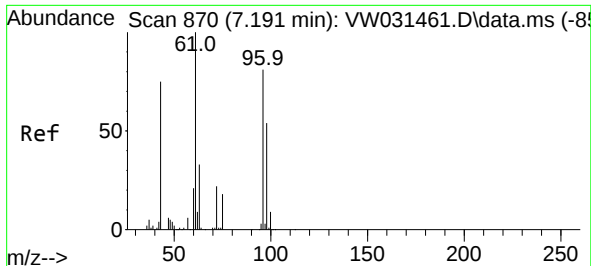
Ion Ratio Lower Upper

96 100

61 132.3 92.2 171.2

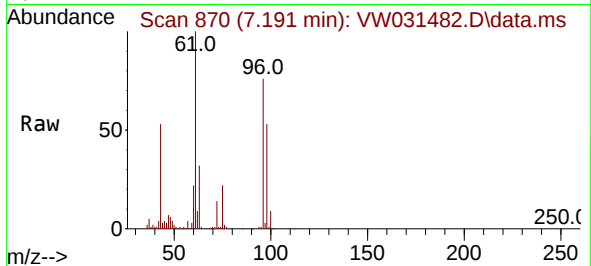
98 62.7 43.7 81.1



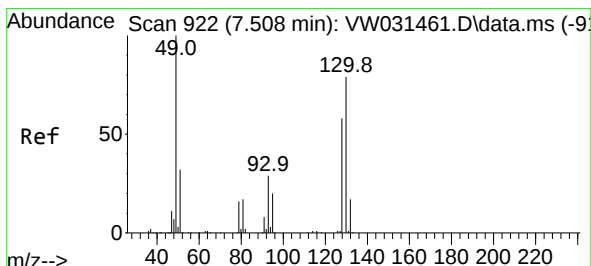
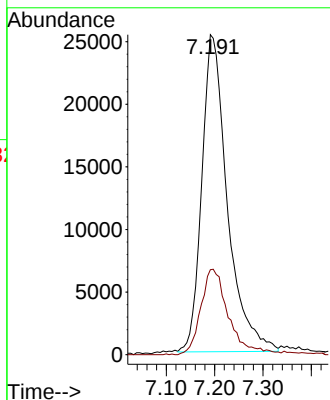
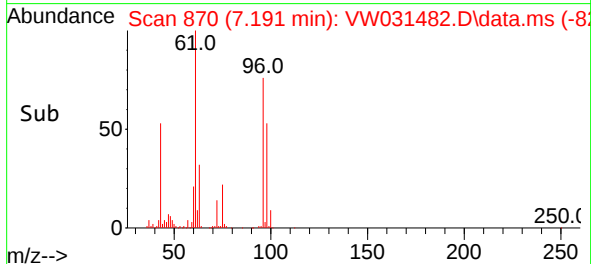


#22  
2-Butanone  
Concen: 39.758 ug/L  
RT: 7.191 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Instrument :  
MSVOA\_W  
ClientSampleId :

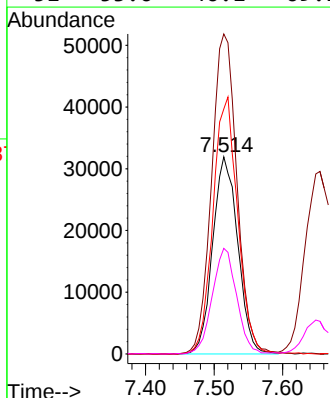
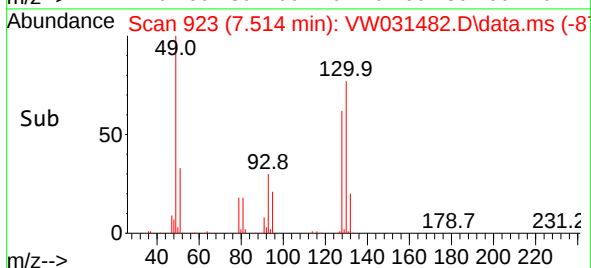
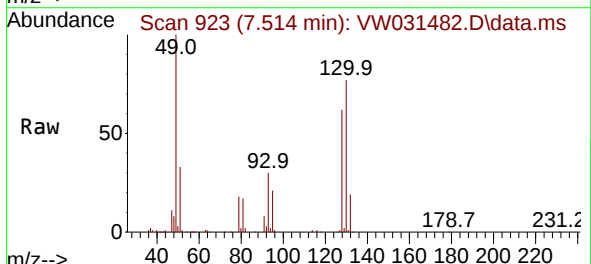


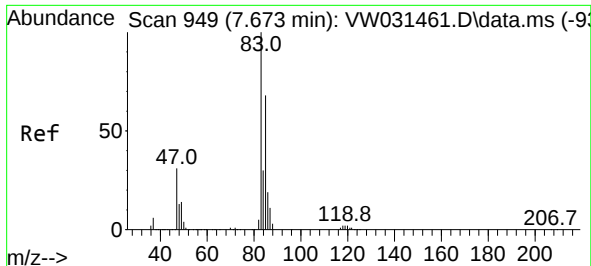
Tgt Ion: 43 Resp: 92973  
Ion Ratio Lower Upper  
43 100  
72 28.3 13.3 39.8



#23  
Bromochloromethane  
Concen: 29.090 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion:128 Resp: 81123  
Ion Ratio Lower Upper  
128 100  
49 162.3 123.7 229.7  
130 124.3 90.3 167.7  
51 53.6 46.1 69.1

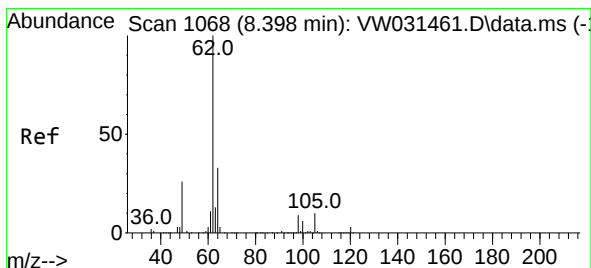
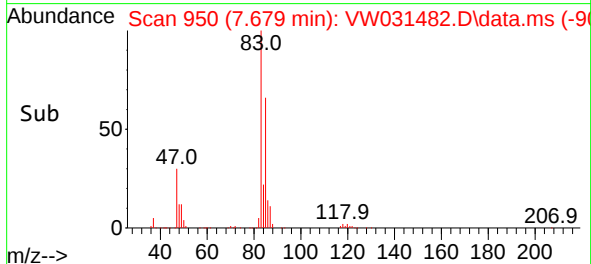
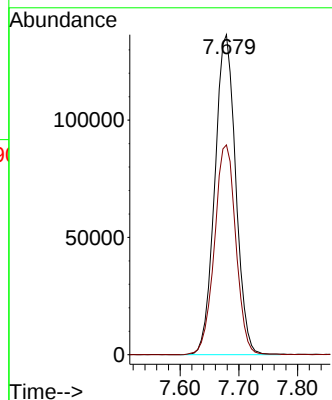
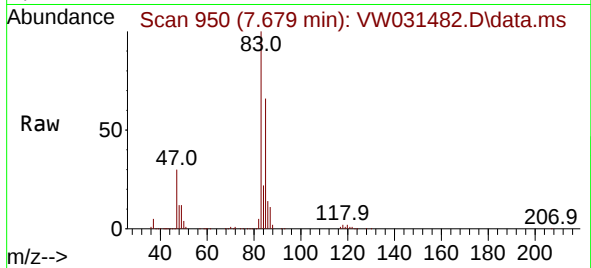




#25  
Chloroform  
Concen: 28.251 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

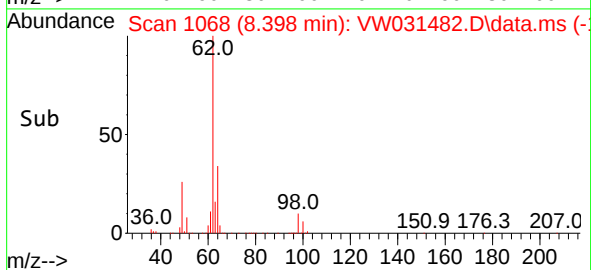
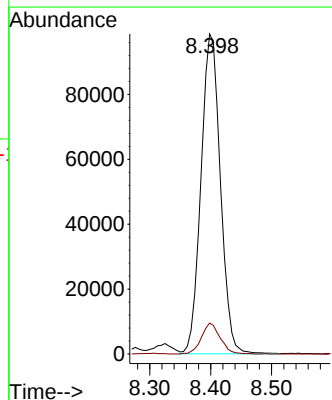
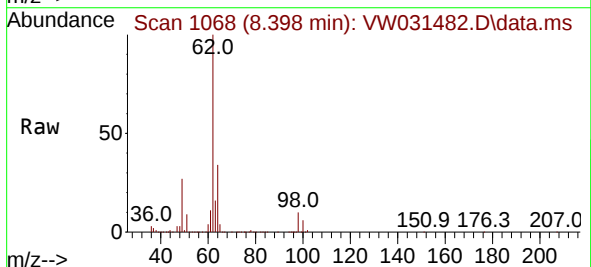
Instrument :  
MSVOA\_W  
ClientSampleId :

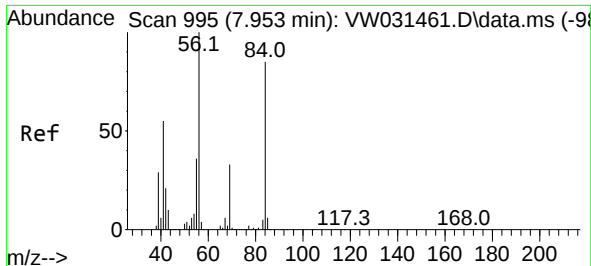
Tgt Ion: 83 Resp: 336728  
Ion Ratio Lower Upper  
83 100  
85 65.5 46.1 85.5



#27  
1,2-Dichloroethane  
Concen: 29.173 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

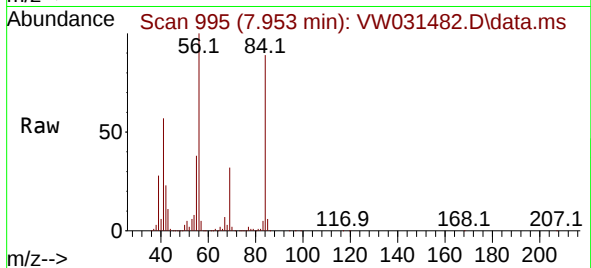
Tgt Ion: 62 Resp: 218603  
Ion Ratio Lower Upper  
62 100  
98 9.7 7.2 10.8



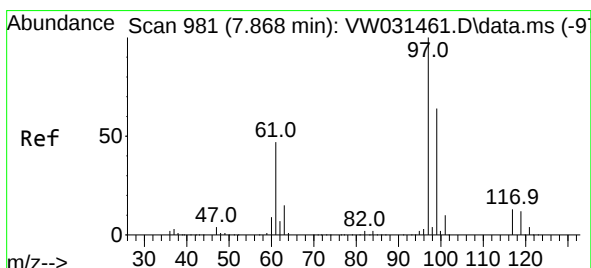
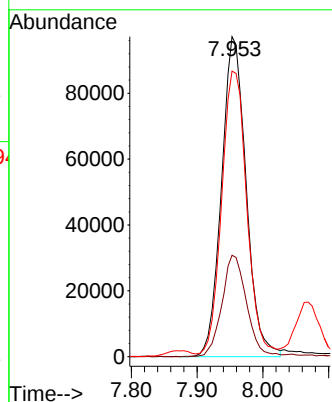
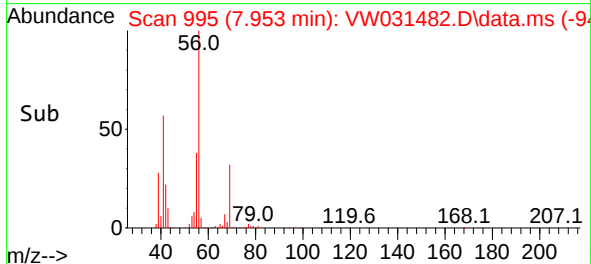


#29  
Cyclohexane  
Concen: 21.397 ug/L  
RT: 7.953 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Instrument :  
MSVOA\_W  
ClientSampleId :

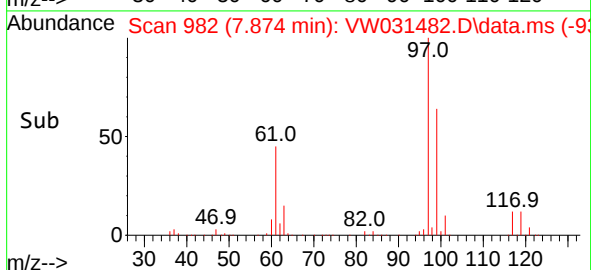
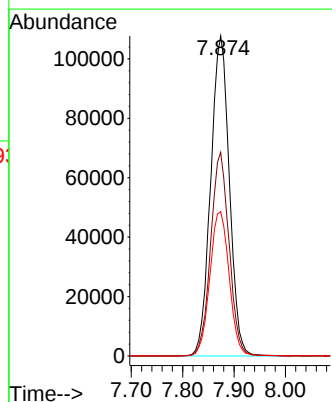
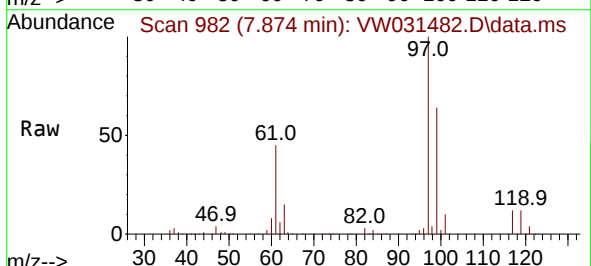


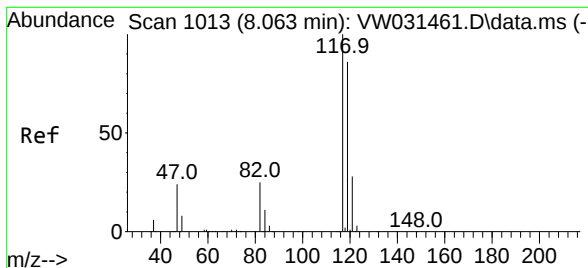
Tgt Ion: 56 Resp: 253298  
Ion Ratio Lower Upper  
56 100  
69 31.7 25.0 37.4  
84 90.6 68.9 103.3



#30  
1,1,1-Trichloroethane  
Concen: 24.093 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion: 97 Resp: 271837  
Ion Ratio Lower Upper  
97 100  
99 62.6 51.1 76.7  
61 46.8 36.3 54.5





#31

Carbon tetrachloride

Concen: 22.355 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

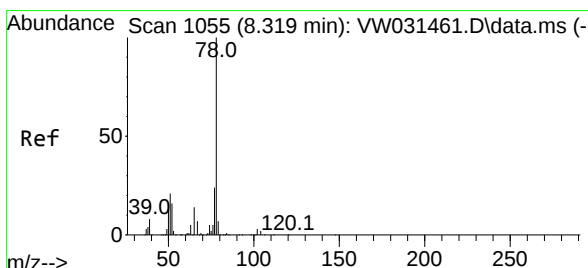
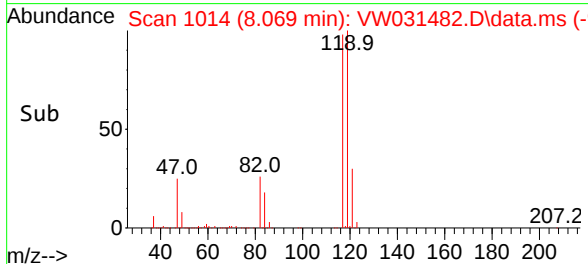
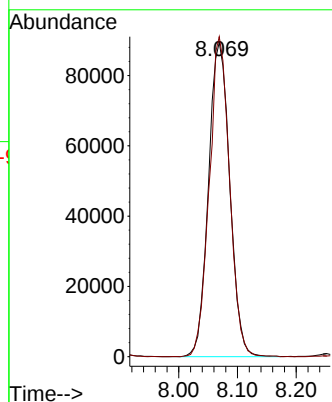
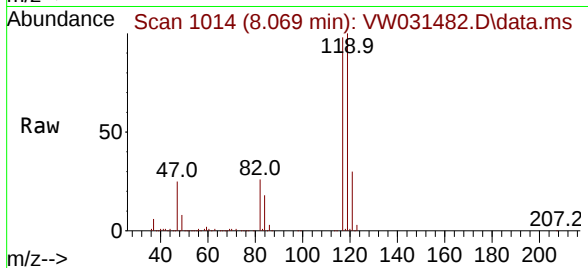
ClientSampleId :

Tgt Ion:117 Resp: 224711

Ion Ratio Lower Upper

117 100

119 97.6 76.0 114.0



#33

Benzene

Concen: 26.706 ug/L

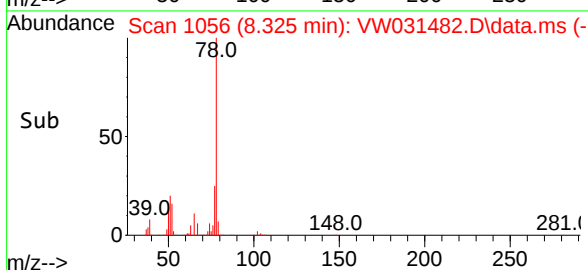
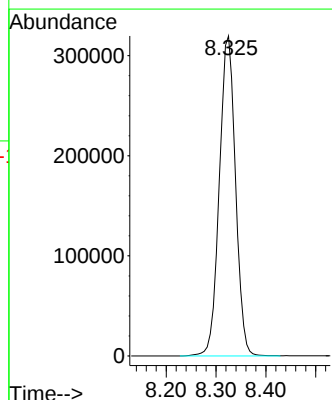
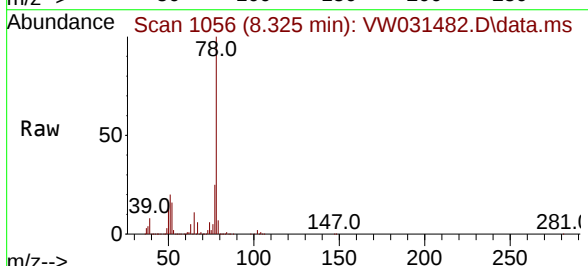
RT: 8.325 min Scan# 1056

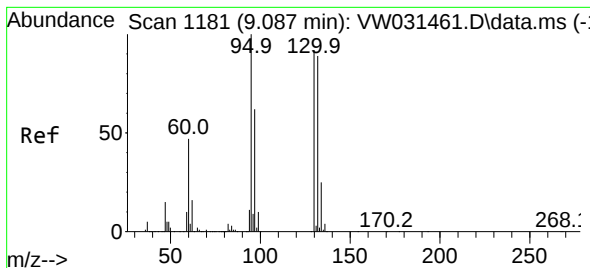
Delta R.T. 0.006 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Tgt Ion: 78 Resp: 720432





#34

Trichloroethene

Concen: 25.673 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

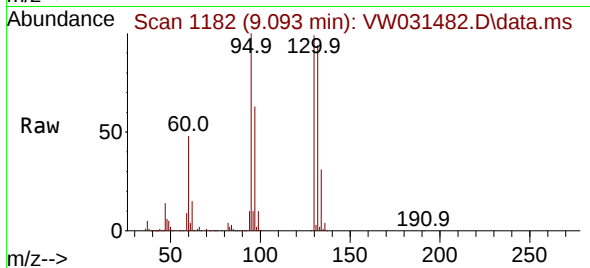
Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 195525

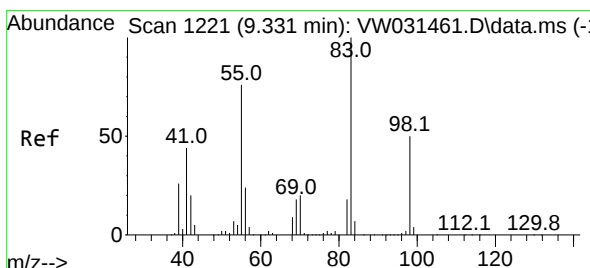
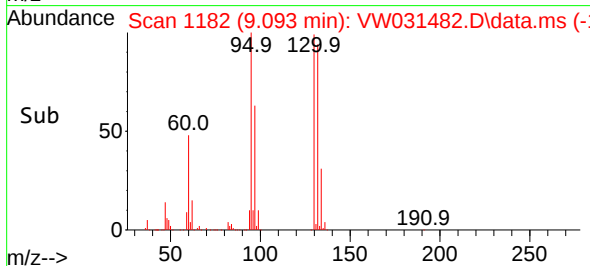
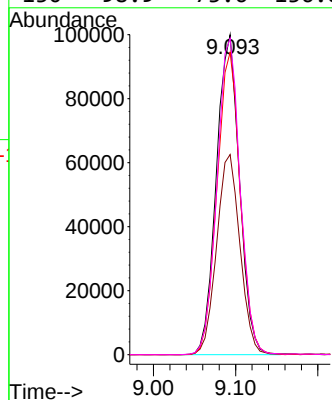
Ion Ratio Lower Upper

95 100

97 62.6 46.5 86.3

132 94.5 70.3 130.5

130 98.9 73.6 136.8



#35

Methylcyclohexane

Concen: 23.284 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

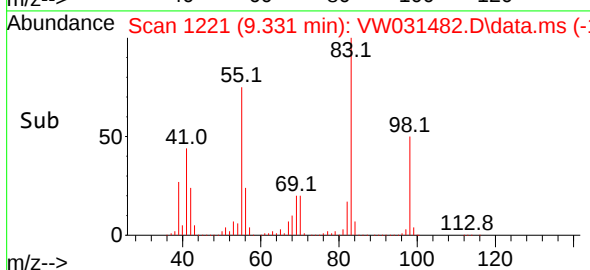
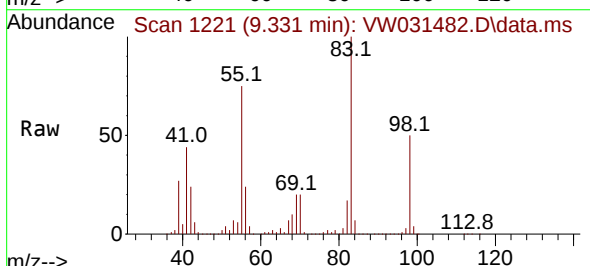
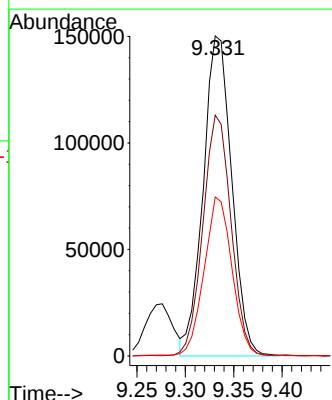
Tgt Ion: 83 Resp: 308824

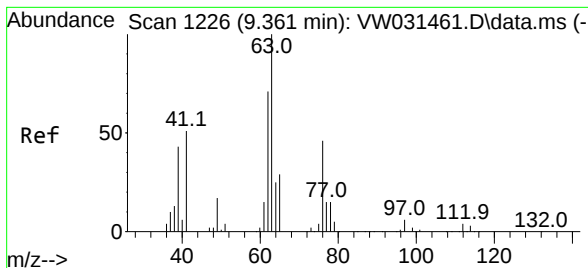
Ion Ratio Lower Upper

83 100

55 74.3 62.6 93.8

98 48.8 39.8 59.6





#37

1,2-Dichloropropane

Concen: 27.255 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

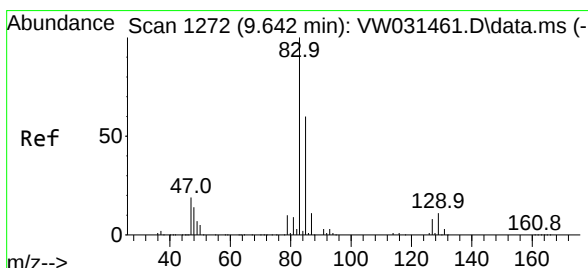
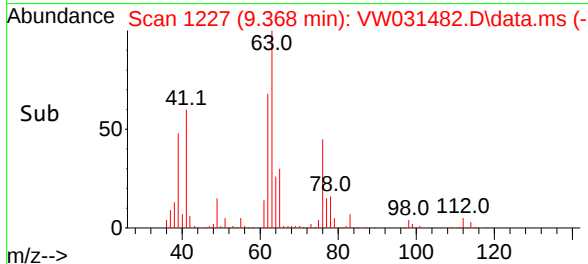
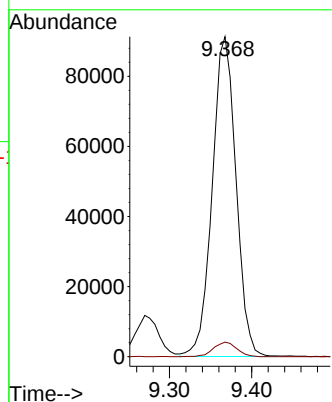
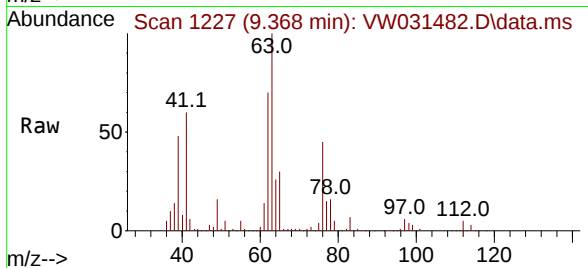
ClientSampleId :

Tgt Ion: 63 Resp: 183413

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#38

Bromodichloromethane

Concen: 25.335 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

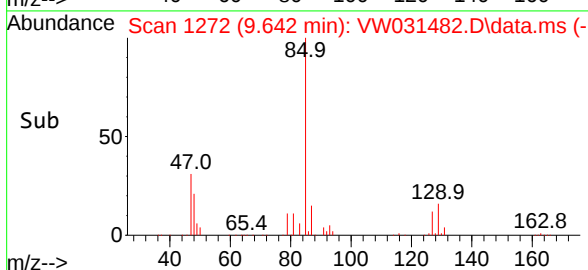
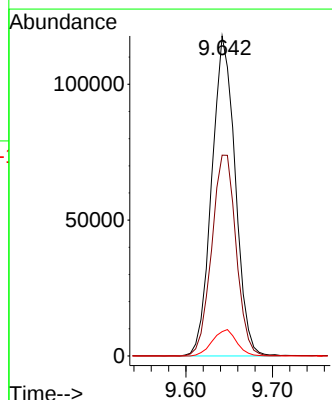
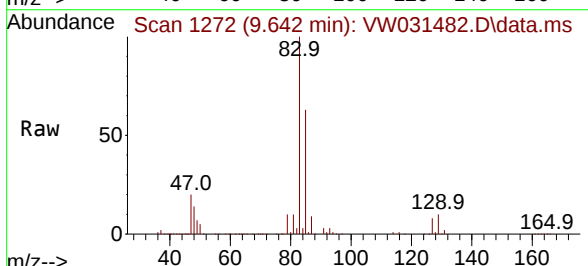
Tgt Ion: 83 Resp: 221645

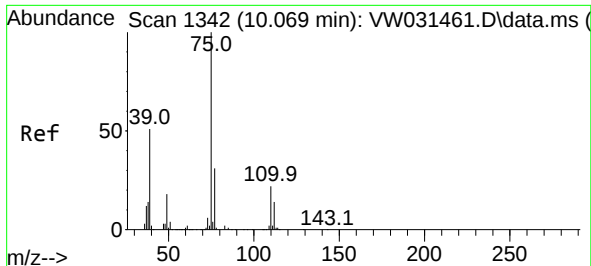
Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.5

127 7.6 6.2 9.4

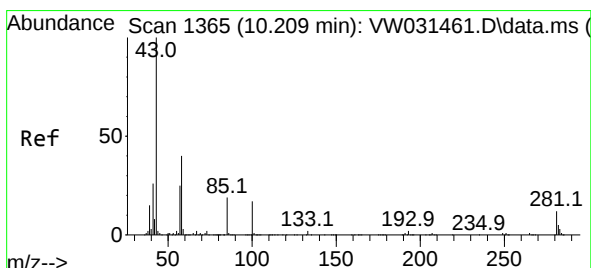
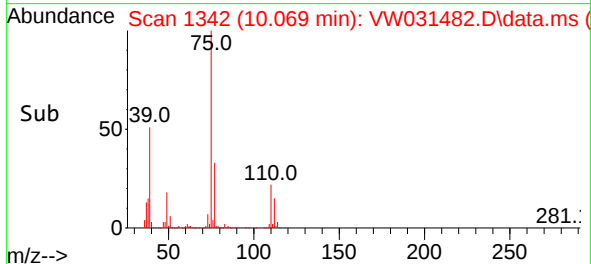
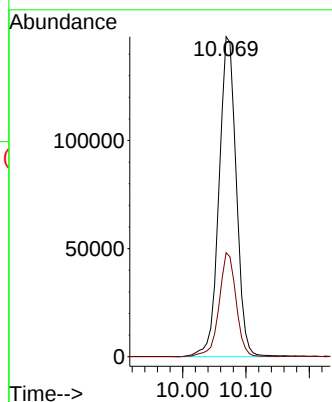
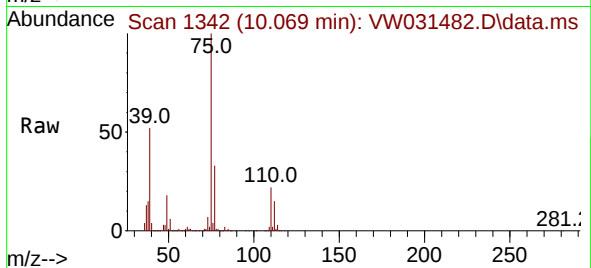




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.657 ug/L  
 RT: 10.069 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

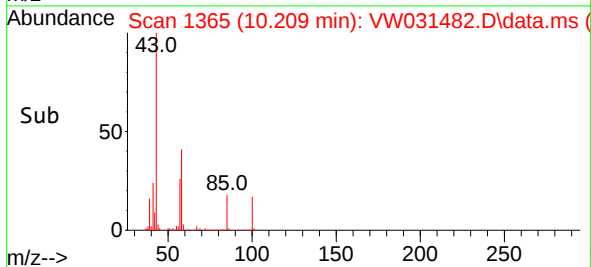
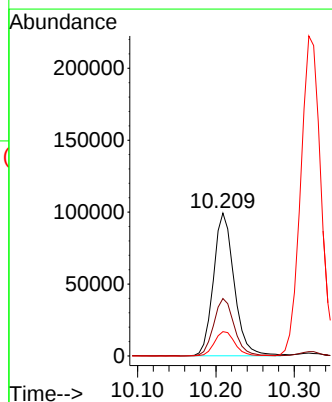
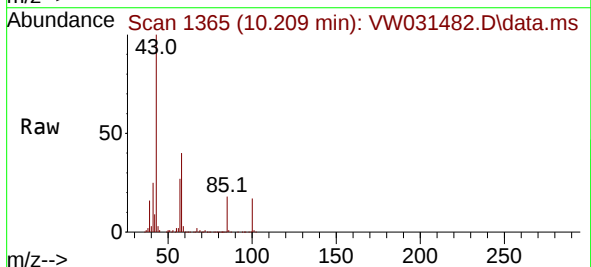
Instrument :  
 MSVOA\_W  
 ClientSampleId :

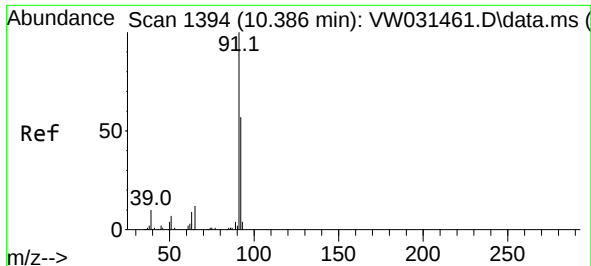
Tgt Ion: 75 Resp: 280395  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 21.8 40.4



#40  
 4-Methyl-2-pentanone  
 Concen: 51.023 ug/L  
 RT: 10.209 min Scan# 1365  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

Tgt Ion: 43 Resp: 182170  
 Ion Ratio Lower Upper  
 43 100  
 58 40.1 31.1 46.7  
 100 17.2 13.0 19.6

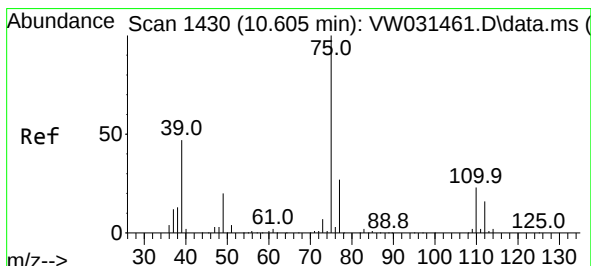
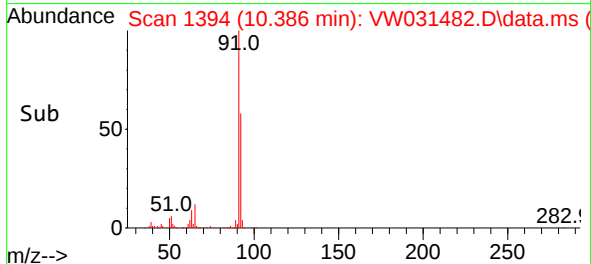
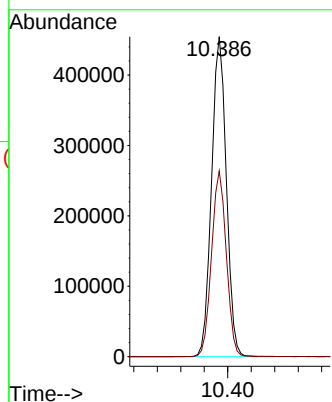
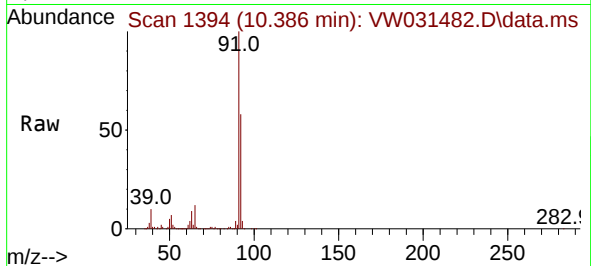




#42  
Toluene  
Concen: 27.046 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

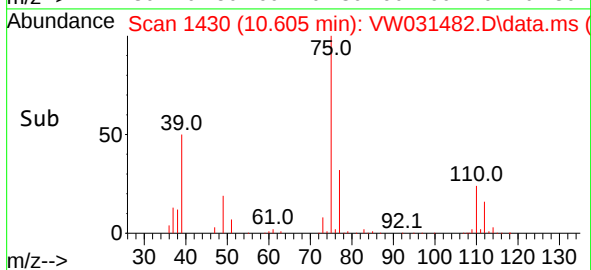
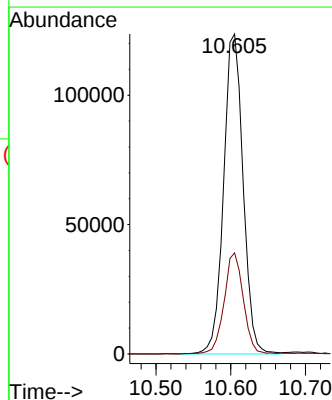
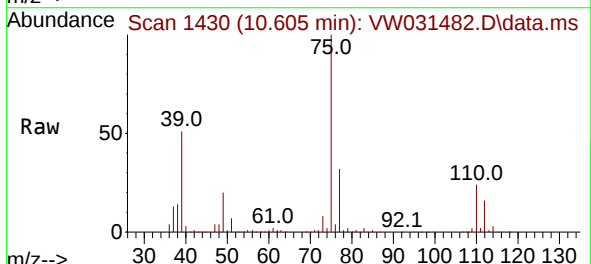
Instrument :  
MSVOA\_W  
ClientSampleId :

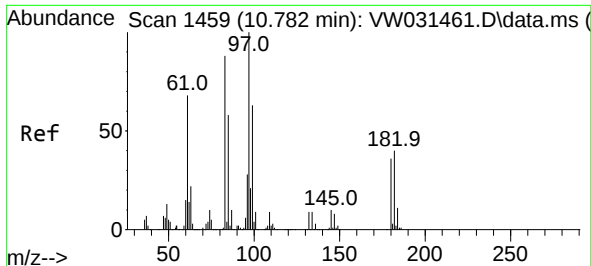
Tgt Ion: 91 Resp: 794350  
Ion Ratio Lower Upper  
91 100  
92 58.1 40.3 74.9



#44  
trans-1,3-Dichloropropene  
Concen: 24.140 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

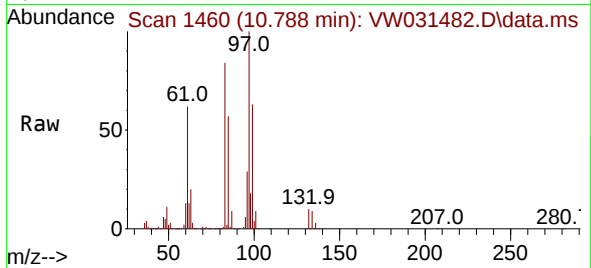
Tgt Ion: 75 Resp: 224151  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.2 39.4



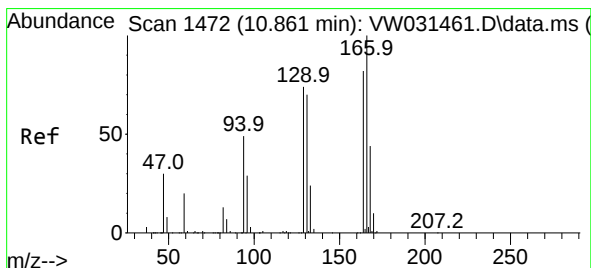
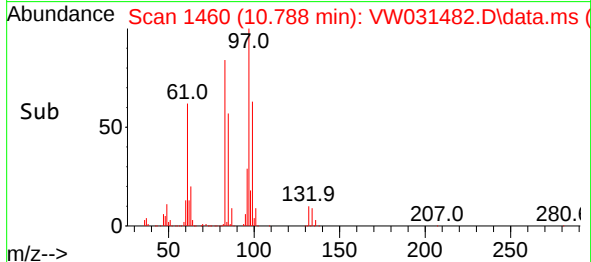
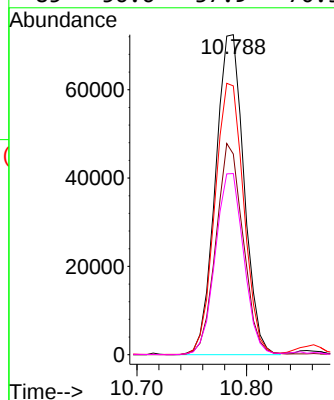


#45  
1,1,2-Trichloroethane  
Concen: 29.294 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Instrument :  
MSVOA\_W  
ClientSampleId :

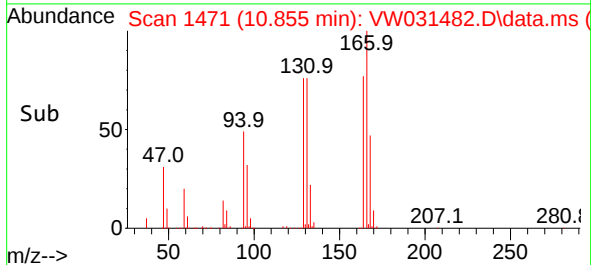
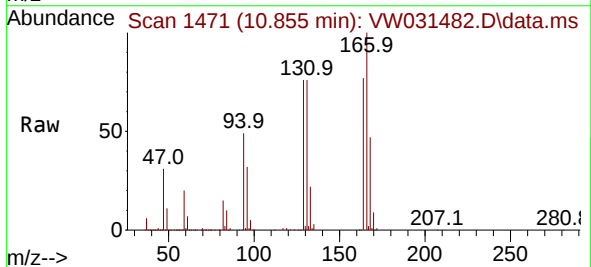
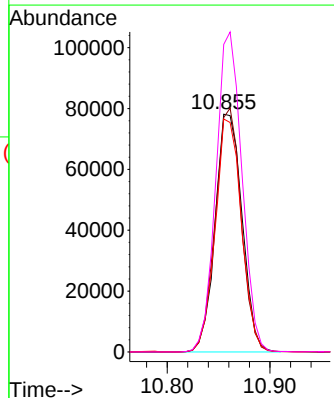


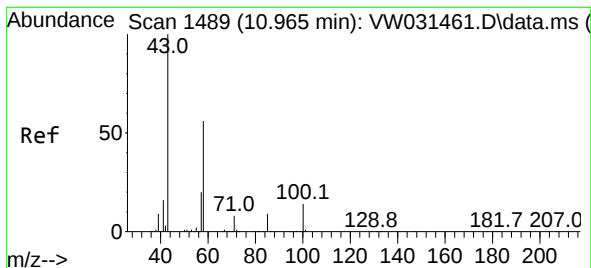
Tgt Ion: 97 Resp: 131125  
Ion Ratio Lower Upper  
97 100  
99 62.7 43.0 80.0  
83 84.0 56.4 104.7  
85 56.6 37.9 70.3



#46  
Tetrachloroethene  
Concen: 25.388 ug/L  
RT: 10.855 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion:164 Resp: 141628  
Ion Ratio Lower Upper  
164 100  
129 98.6 73.5 136.5  
131 98.0 66.6 123.8  
166 129.4 92.7 172.3





#48

2-Hexanone

Concen: 44.379 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

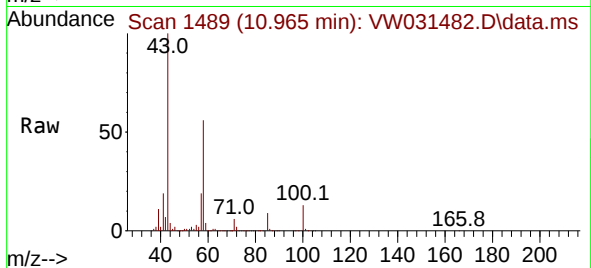
Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 43 Resp: 134760

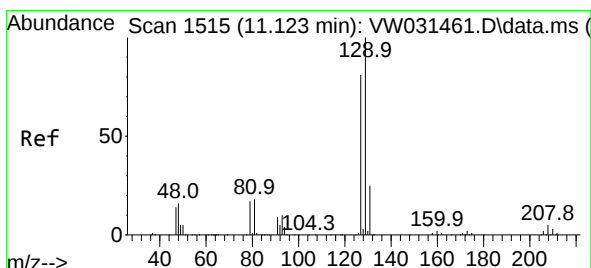
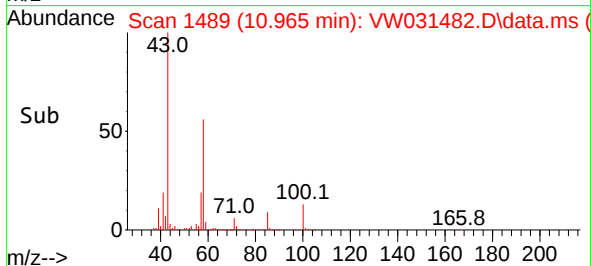
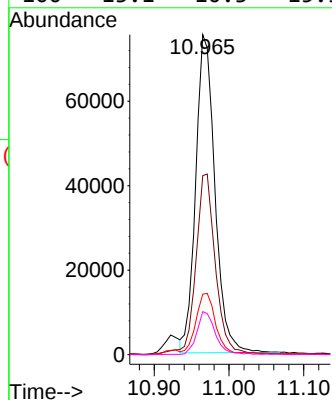
Ion Ratio Lower Upper

43 100

58 57.9 43.0 64.6

57 19.5 15.7 23.5

100 13.1 10.3 15.5



#49

Dibromochloromethane

Concen: 25.851 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW031482.D

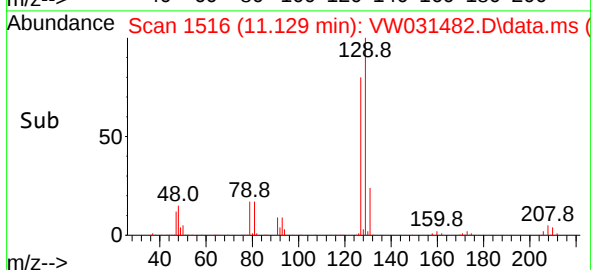
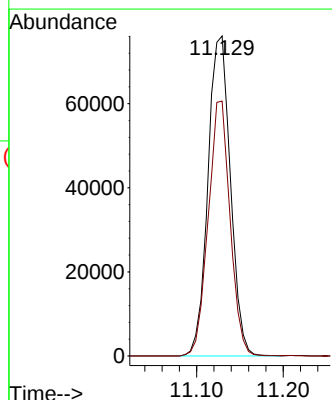
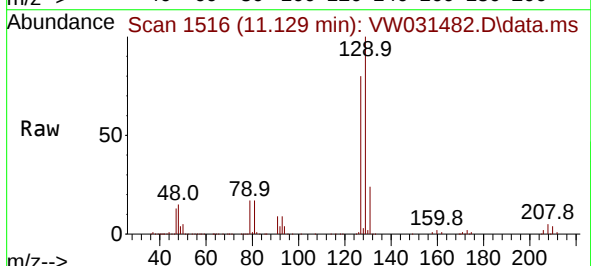
Acq: 22 Dec 2024 00:06

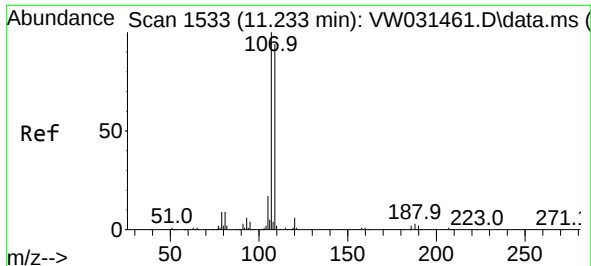
Tgt Ion:129 Resp: 137165

Ion Ratio Lower Upper

129 100

127 79.7 57.6 107.0





#50

1,2-Dibromoethane

Concen: 28.772 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

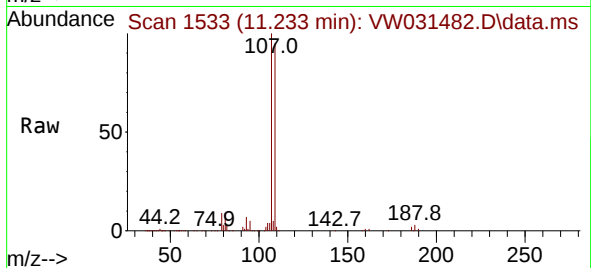
Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :



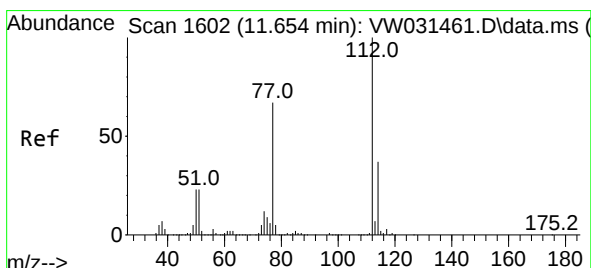
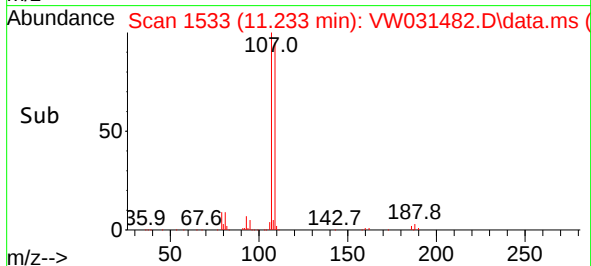
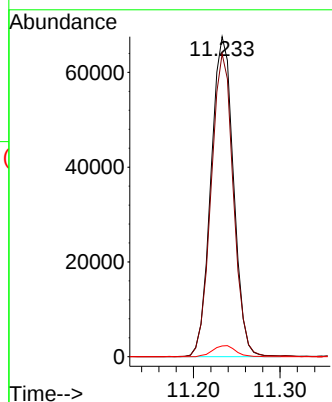
Tgt Ion:107 Resp: 122002

Ion Ratio Lower Upper

107 100

109 94.7 63.2 117.4

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 27.401 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

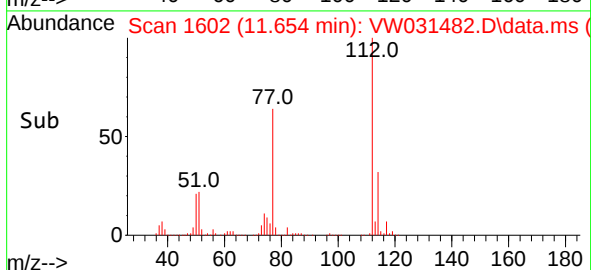
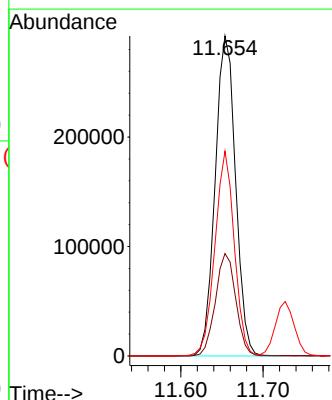
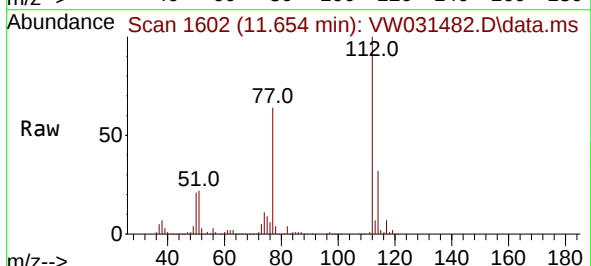
Tgt Ion:112 Resp: 504579

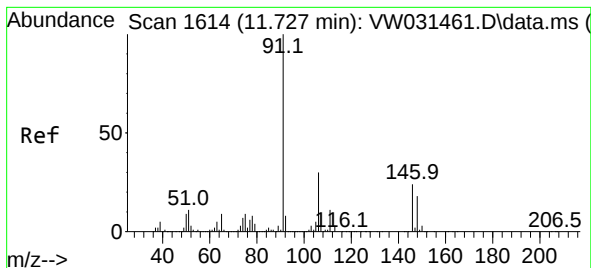
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 64.0 50.2 75.4

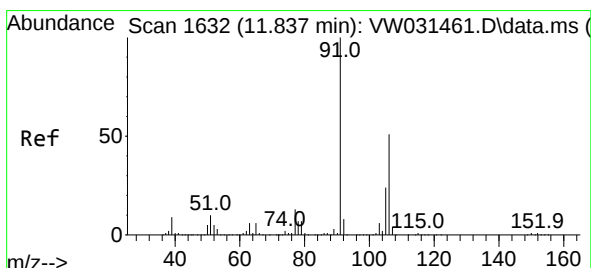
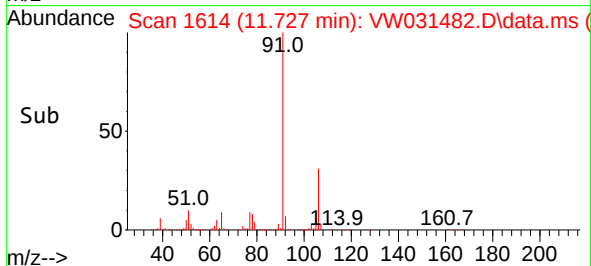
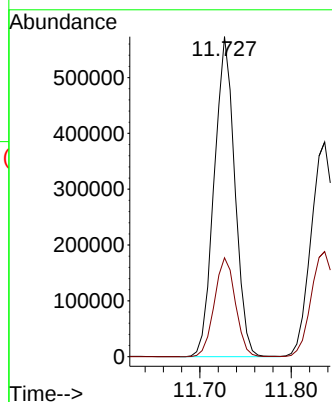
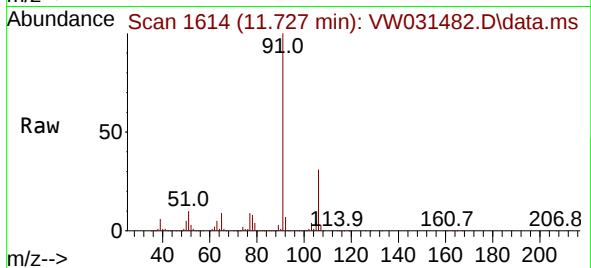




#52  
Ethylbenzene  
Concen: 26.368 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

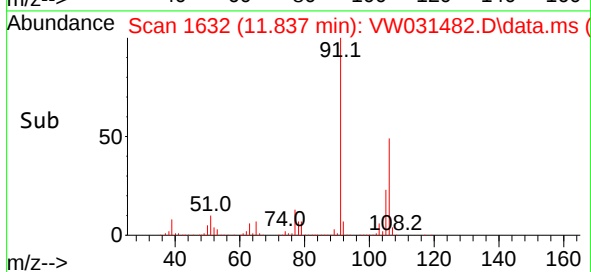
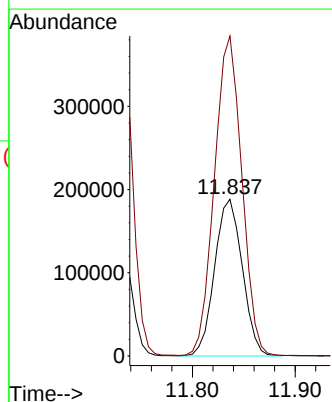
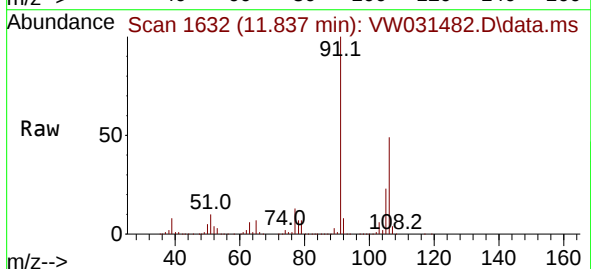
Instrument :  
MSVOA\_W  
ClientSampleId :

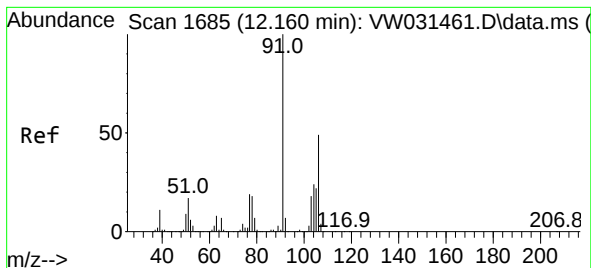
Tgt Ion: 91 Resp: 897528  
Ion Ratio Lower Upper  
91 100  
106 30.9 20.7 38.5



#53  
m,p-Xylene  
Concen: 27.175 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion:106 Resp: 352140  
Ion Ratio Lower Upper  
106 100  
91 204.2 139.9 259.7

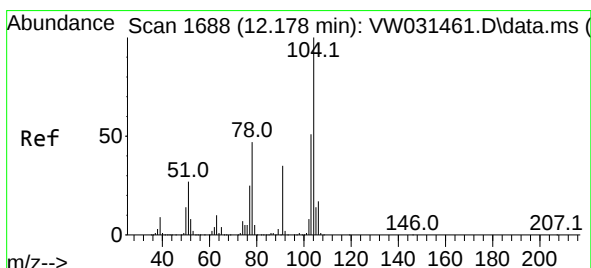
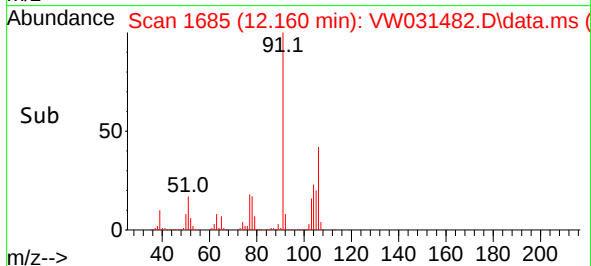
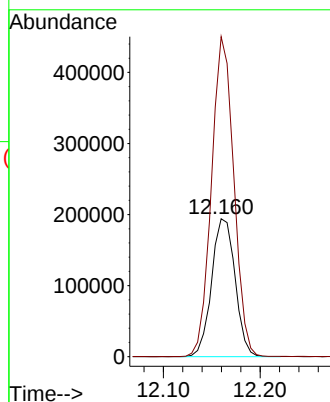
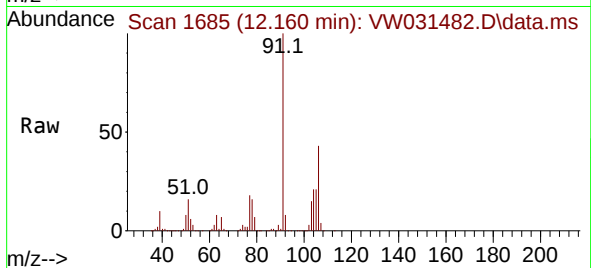




#54  
o-Xylene  
Concen: 26.817 ug/L  
RT: 12.160 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

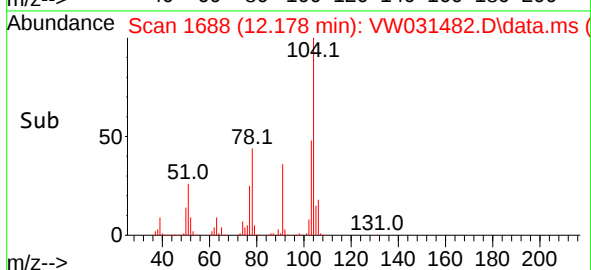
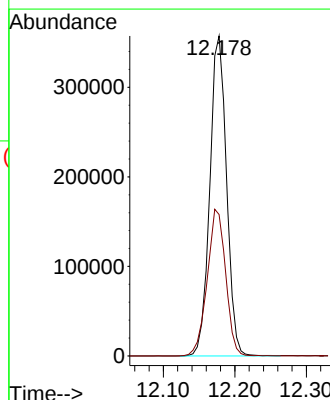
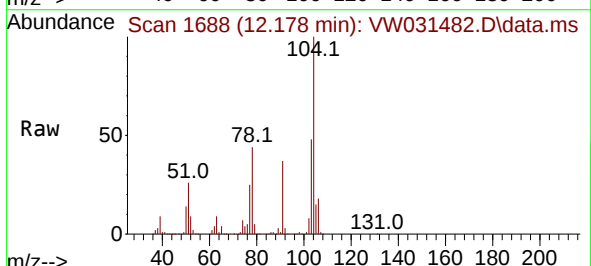
Instrument :  
MSVOA\_W  
ClientSampleId :

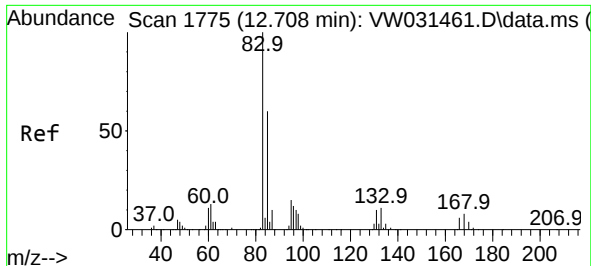
Tgt Ion:106 Resp: 327498  
Ion Ratio Lower Upper  
106 100  
91 232.1 153.1 284.3



#55  
Styrene  
Concen: 28.579 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

Tgt Ion:104 Resp: 580552  
Ion Ratio Lower Upper  
104 100  
78 44.2 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 30.573 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :

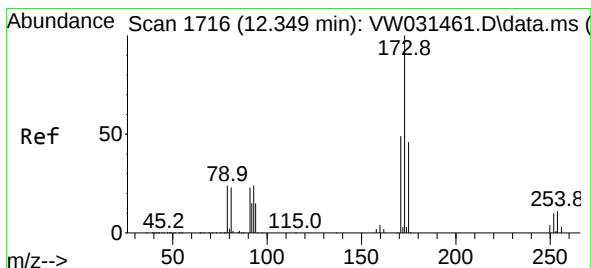
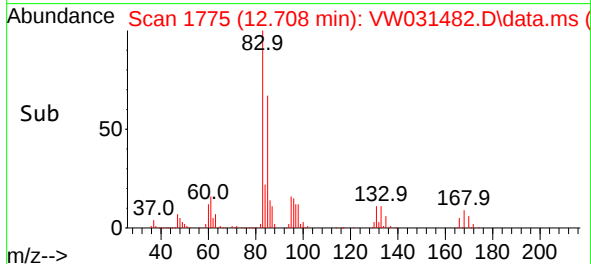
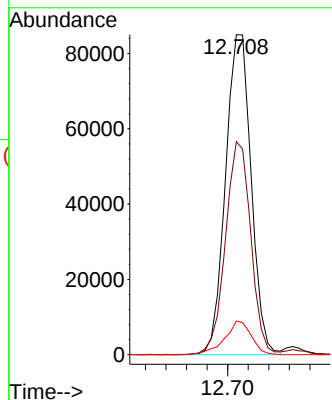
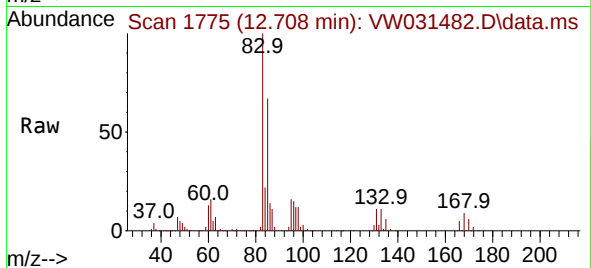
Tgt Ion: 83 Resp: 147525

Ion Ratio Lower Upper

83 100

85 66.6 44.1 81.9

131 10.5 7.9 11.9



#59

Bromoform

Concen: 22.334 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

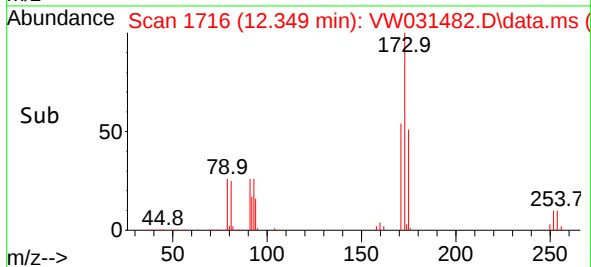
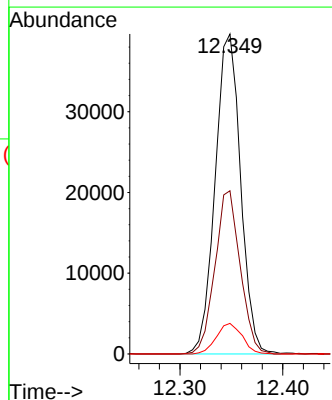
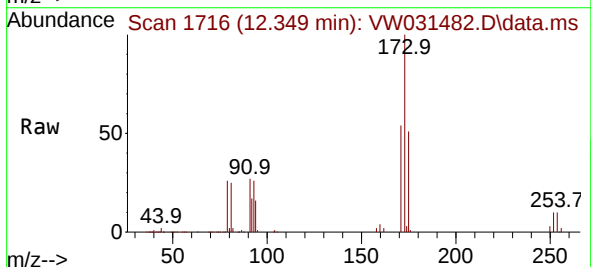
Tgt Ion: 173 Resp: 68071

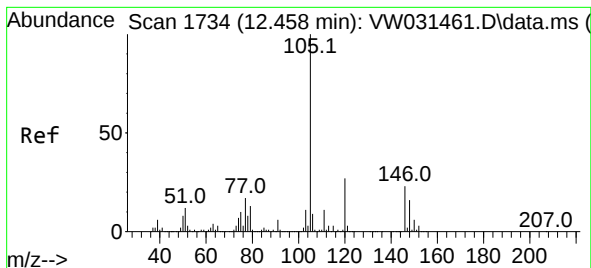
Ion Ratio Lower Upper

173 100

175 50.6 38.6 57.8

254 9.7 7.6 11.4





#60

Isopropylbenzene

Concen: 26.487 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :

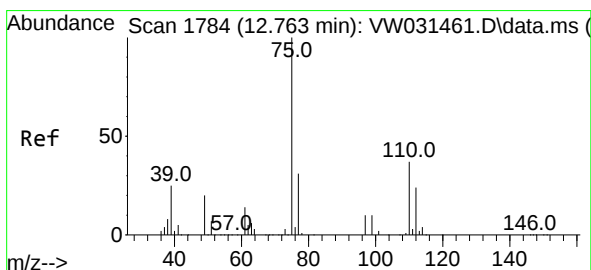
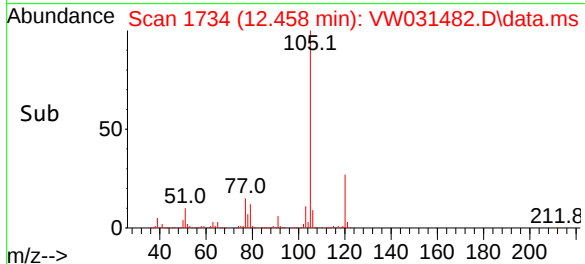
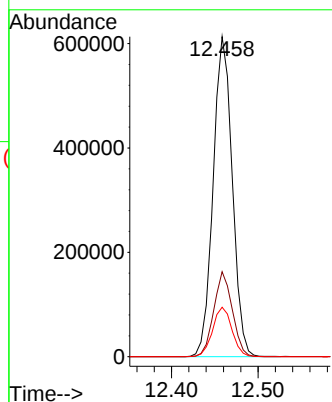
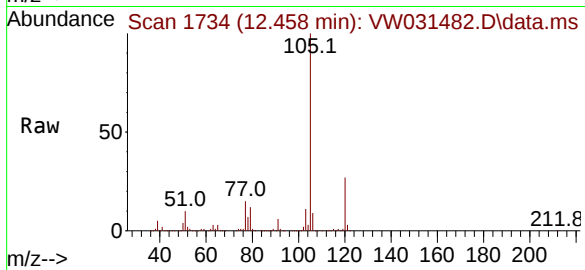
Tgt Ion:105 Resp: 940394

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 15.6 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 28.739 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

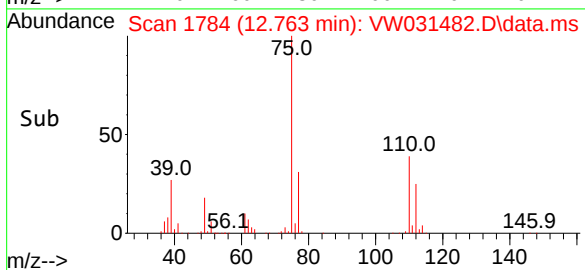
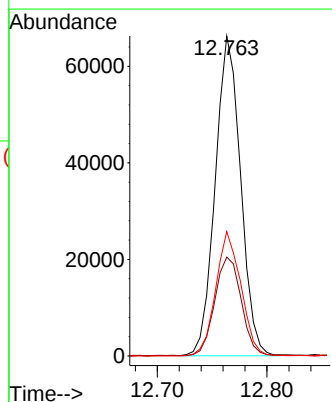
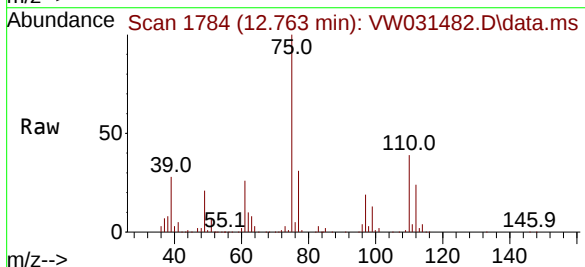
Tgt Ion: 75 Resp: 106693

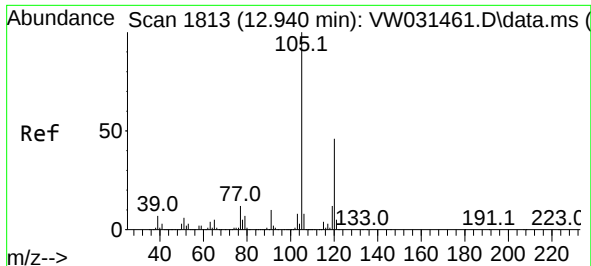
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

110 38.6 31.2 46.8

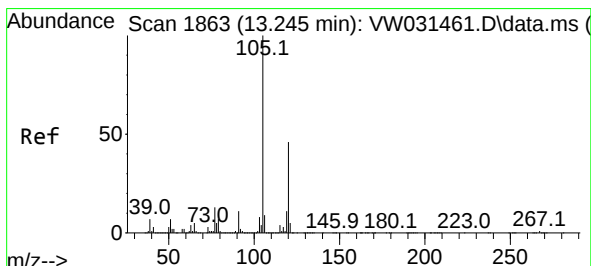
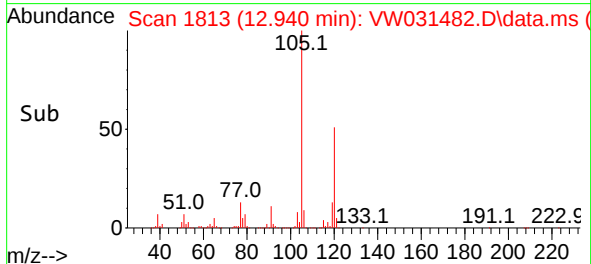
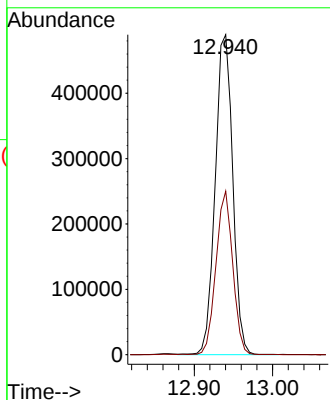
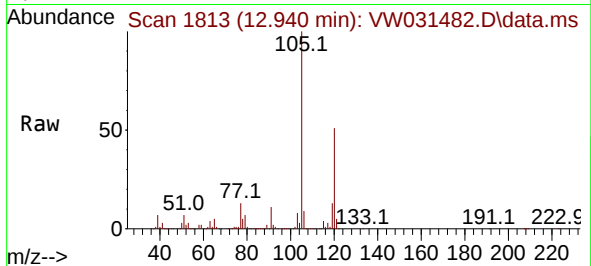




#62  
1,3,5-Trimethylbenzene  
Concen: 25.319 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

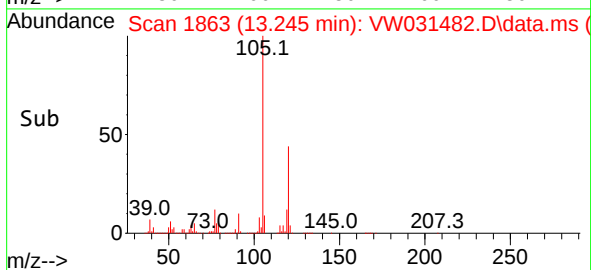
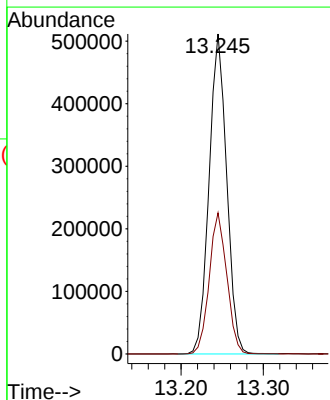
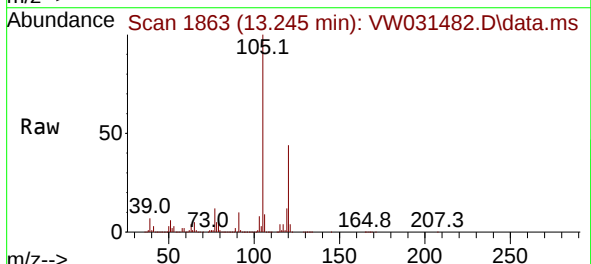
Instrument :  
MSVOA\_W  
ClientSampleId :

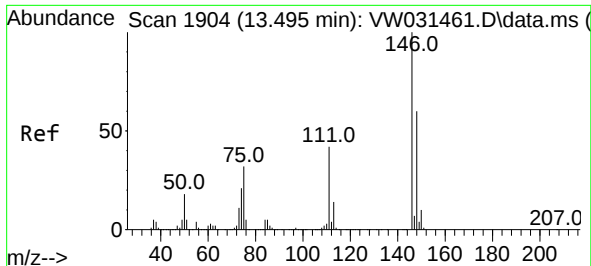
Tgt Ion:105 Resp: 762107  
Ion Ratio Lower Upper  
105 100  
120 48.7 37.3 55.9



#63  
1,2,4-Trimethylbenzene  
Concen: 26.114 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

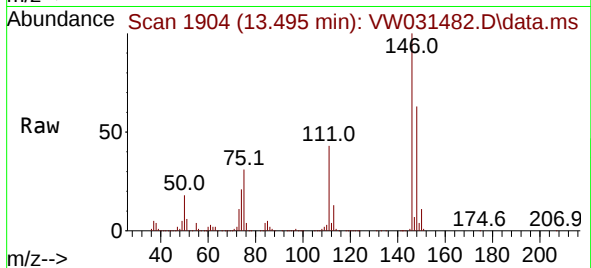
Tgt Ion:105 Resp: 759745  
Ion Ratio Lower Upper  
105 100  
120 44.0 35.0 52.4



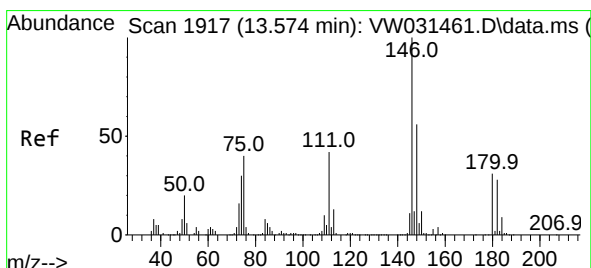
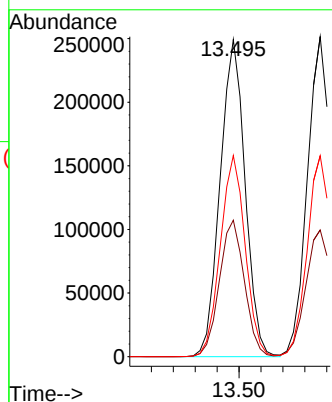
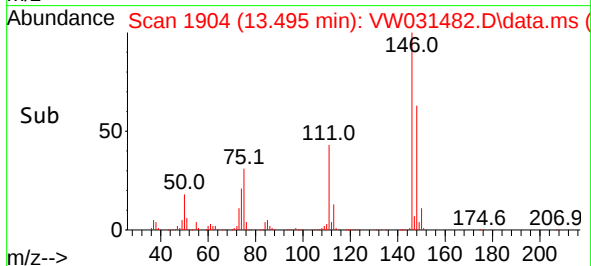


#64  
1,3-Dichlorobenzene  
Concen: 27.408 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

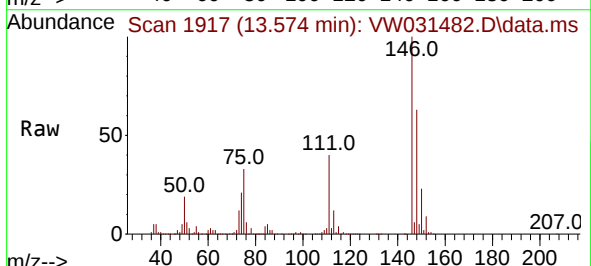
Instrument :  
MSVOA\_W  
ClientSampleId :



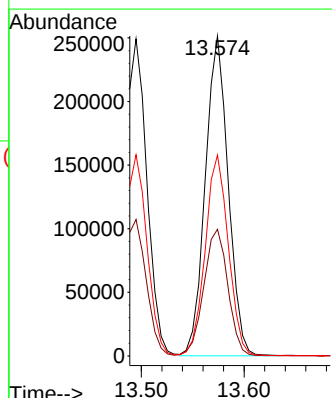
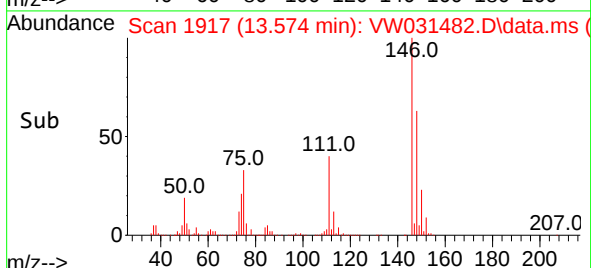
Tgt Ion:146 Resp: 394254  
Ion Ratio Lower Upper  
146 100  
111 43.0 27.6 51.2  
148 63.4 41.0 76.2

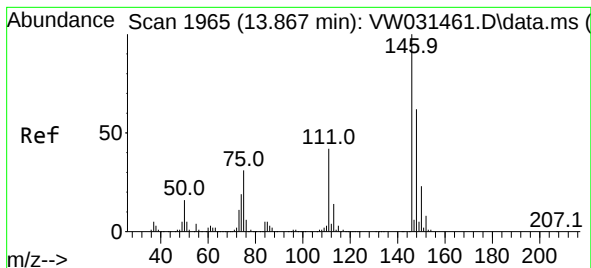


#65  
1,4-Dichlorobenzene  
Concen: 27.369 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06



Tgt Ion:146 Resp: 390068  
Ion Ratio Lower Upper  
146 100  
111 39.6 30.7 56.9  
148 62.8 46.5 86.3

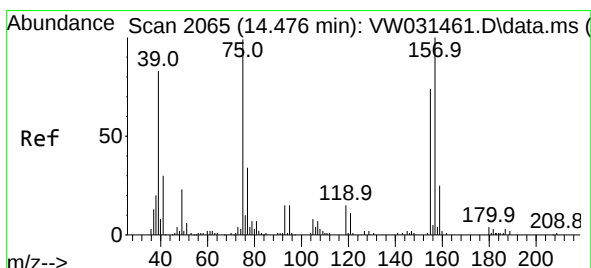
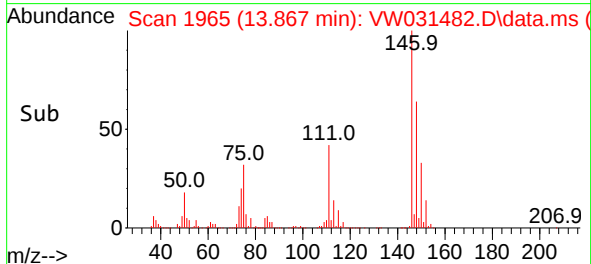
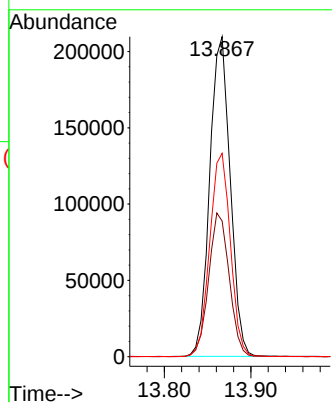
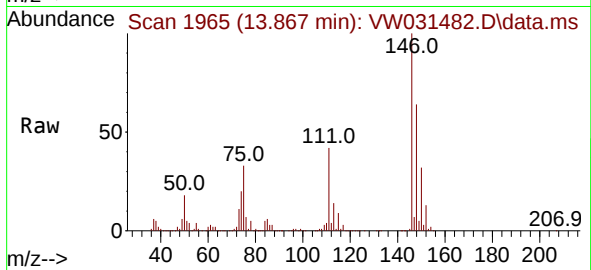




#67  
1,2-Dichlorobenzene  
Concen: 27.748 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

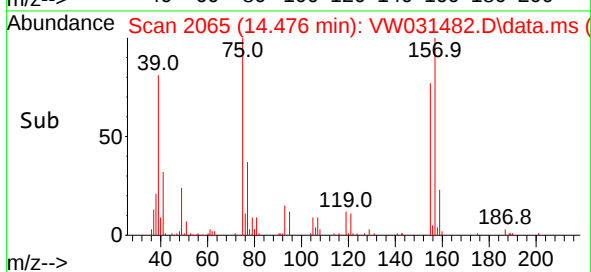
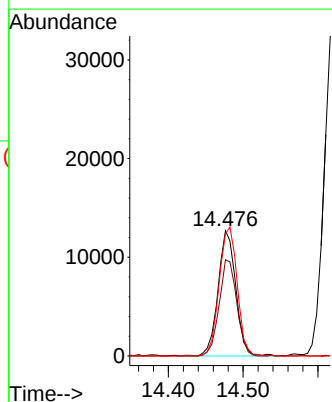
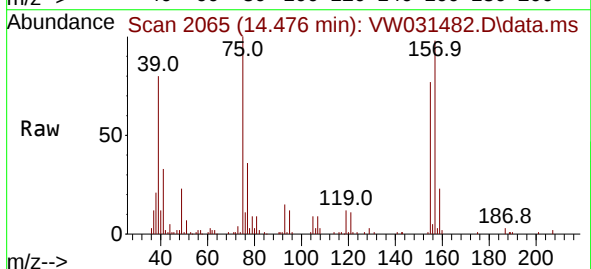
Instrument :  
MSVOA\_W  
ClientSampleId :

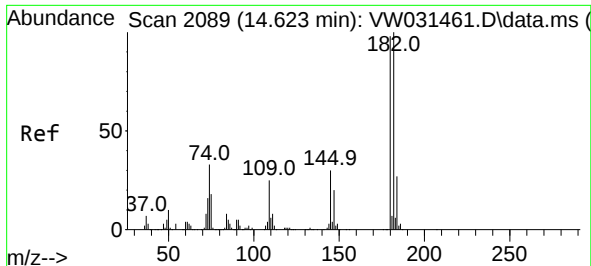
Tgt Ion:146 Resp: 343910  
Ion Ratio Lower Upper  
146 100  
111 42.4 38.6 58.0  
148 63.6 53.6 80.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 22.288 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW031482.D  
Acq: 22 Dec 2024 00:06

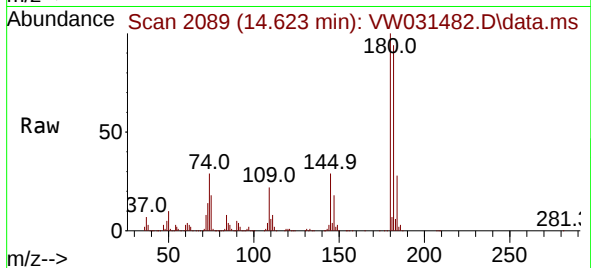
Tgt Ion: 75 Resp: 20998  
Ion Ratio Lower Upper  
75 100  
155 76.7 56.6 85.0  
157 97.6 71.2 106.8



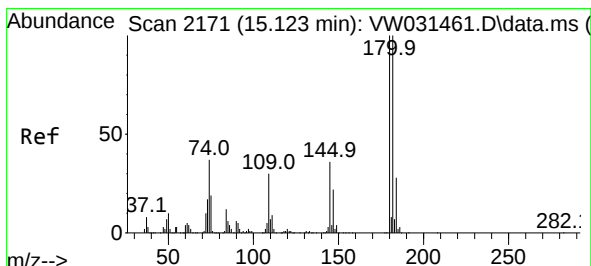
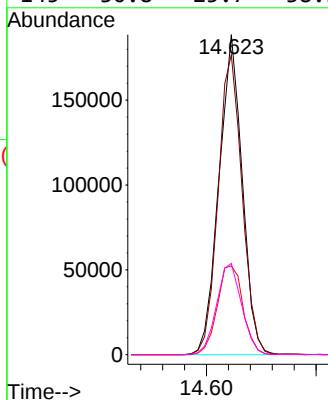
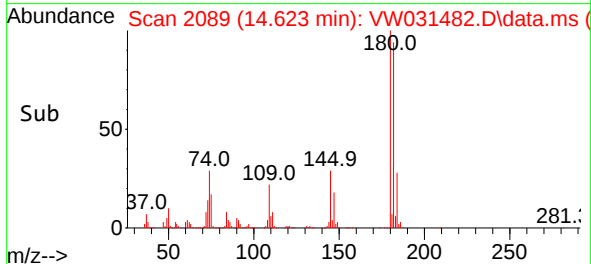


#69  
 1,3,5-Trichlorobenzene  
 Concen: 27.546 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. -0.000 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06

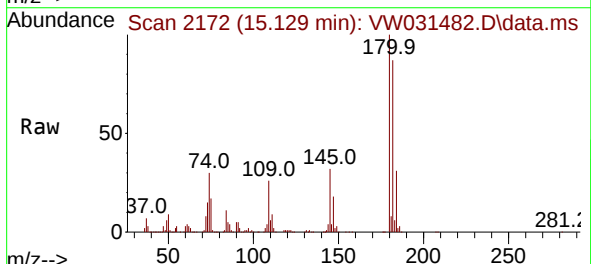
Instrument :  
 MSVOA\_W  
 ClientSampleId :



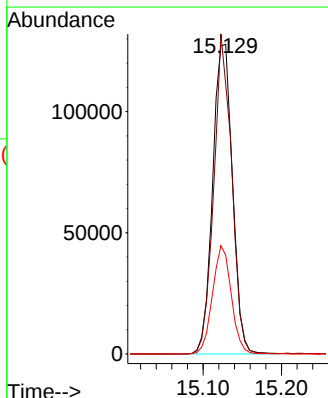
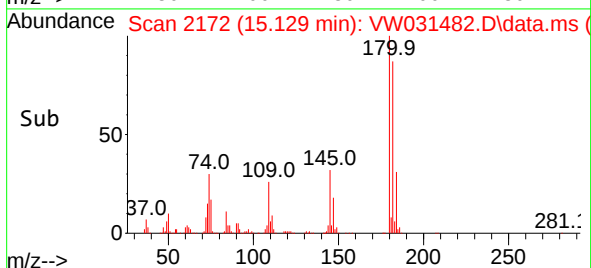
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 277509 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.6  | 75.0  | 112.4  |
| 184       | 30.8  | 24.6  | 36.8   |
| 145       | 30.8  | 25.7  | 38.5   |

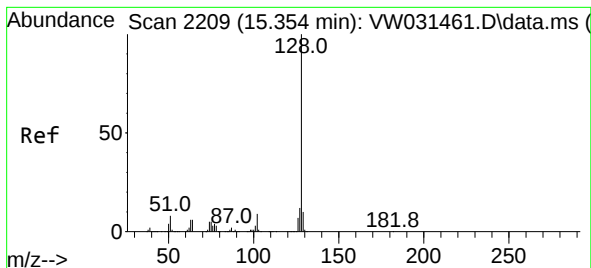


#70  
 1,2,4-trichlorobenzene  
 Concen: 26.859 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. 0.006 min  
 Lab File: VW031482.D  
 Acq: 22 Dec 2024 00:06



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 225086 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.1  | 78.2  | 117.2  |
| 145       | 33.1  | 26.7  | 40.1   |





#71

Naphthalene

Concen: 28.435 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Instrument :

MSVOA\_W

ClientSampleId :

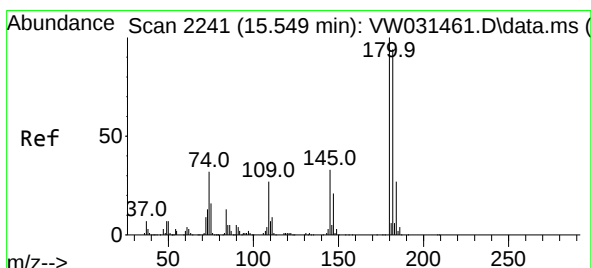
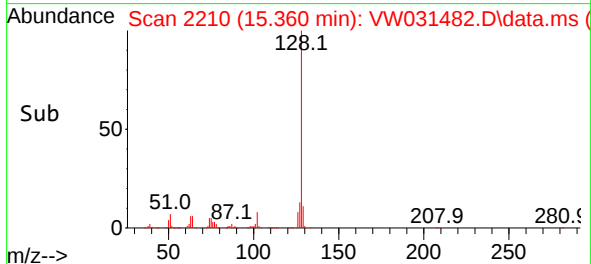
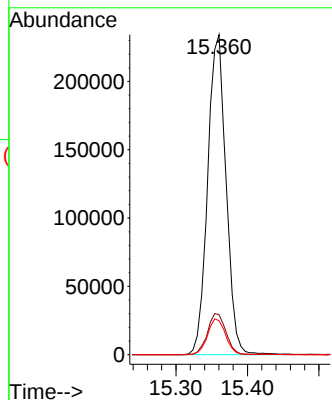
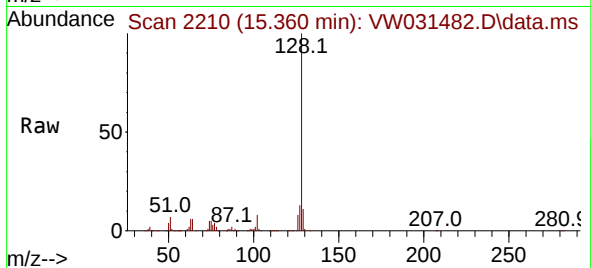
Tgt Ion:128 Resp: 417779

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 28.101 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW031482.D

Acq: 22 Dec 2024 00:06

Tgt Ion:180 Resp: 189739

Ion Ratio Lower Upper

180 100

182 98.0 75.0 112.4

145 34.8 27.8 41.6

