

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV120224\  
 Data File : VV038388.D  
 Acq On : 02 Dec 2024 12:59  
 Operator : SY/MD  
 Sample : VSTD100  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 02 20:59:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 02 20:56:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114  | 577875   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117  | 572056   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.175 | 152  | 317973   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 475000   | 98.373  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.526  | 69   | 394076   | 96.863  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 202142   | 98.746  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.773  | 46   | 502025   | 225.257 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.236  | 84   | 882273   | 100.747 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.928  | 65   | 526593   | 101.533 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.947  | 84   | 1738254  | 105.464 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.976  | 67   | 534786   | 100.176 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.233  | 98   | 1626904  | 109.137 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.542  | 79   | 271348   | 111.226 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.014  | 63   | 372818   | 248.515 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84   | 733433   | 102.325 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152  | 634880   | 103.270 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 516588   | 97.337  | ug/L  | 100      |
| 3) Chloromethane              | 1.214  | 50   | 521287   | 94.683  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.281  | 62   | 551048   | 98.126  | ug/L  | 100      |
| 6) Bromomethane               | 1.484  | 94   | 363290   | 104.410 | ug/L  | 99       |
| 8) Chloroethane               | 1.545  | 64   | 342186   | 96.298  | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101  | 721746   | 97.448  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101  | 417321   | 97.859  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 400159   | 98.529  | ug/L  | 88       |
| 13) Acetone                   | 2.111  | 43   | 591534   | 186.647 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.236  | 76   | 1320674  | 98.807  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.368  | 43   | 412629   | 100.594 | ug/L  | 100      |
| 16) Methylene chloride        | 2.439  | 84   | 474700   | 96.866  | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96   | 444398   | 100.347 | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 2.696  | 73   | 1353264  | 105.799 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.101  | 63   | 812574   | 100.046 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.802  | 96   | 490769   | 105.373 | ug/L  | 98       |
| 22) 2-Butanone                | 3.854  | 43   | 635065   | 225.568 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.137  | 128  | 255094   | 100.764 | ug/L  | 97       |
| 25) Chloroform                | 4.262  | 83   | 842745   | 99.402  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.027  | 62   | 635352   | 102.732 | ug/L  | 97       |
| 29) Cyclohexane               | 4.571  | 56   | 701895   | 114.205 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.500  | 97   | 739393   | 102.283 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 654768   | 103.066 | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 1820495  | 105.432 | ug/L  | 100      |
| 34) Trichloroethene           | 5.821  | 95   | 478579   | 103.746 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.040  | 83   | 753618   | 113.764 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.082  | 63   | 481612   | 107.273 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.419  | 83   | 638351   | 102.448 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.940  | 75   | 802064   | 115.124 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.146  | 43   | 1099125  | 230.222 | ug/L  | 98       |
| 42) Toluene                   | 7.304  | 91   | 1951228  | 108.771 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.571  | 75   | 752752   | 113.866 | ug/L  | 98       |

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 Sample : VSTD100  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 02 20:59:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 02 20:56:56 2024  
 Response via : Initial Calibration

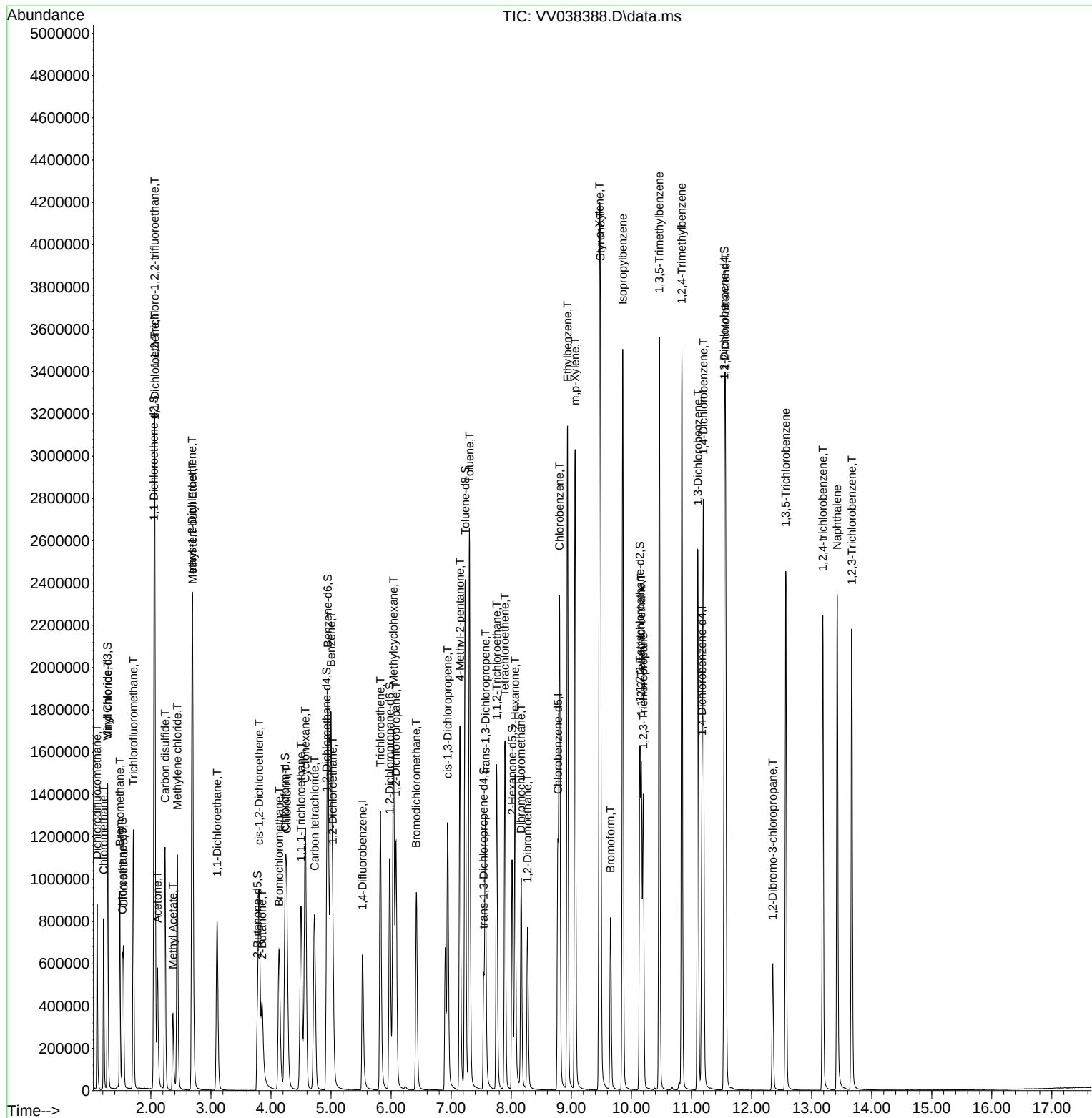
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.757  | 97   | 481706   | 103.409 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.895  | 164  | 364016   | 102.214 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.062  | 43   | 913088   | 232.223 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.165  | 129  | 506000   | 105.316 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.271  | 107  | 513327   | 104.563 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.802  | 112  | 1280352  | 103.877 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.937  | 91   | 2177408  | 113.169 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.062  | 106  | 843150   | 115.614 | ug/L  | 99       |
| 54) o-Xylene                  | 9.468  | 106  | 815545   | 116.243 | ug/L  | 99       |
| 55) Styrene                   | 9.484  | 104  | 1447208  | 117.495 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 741163   | 102.429 | ug/L  | 100      |
| 59) Bromoform                 | 9.654  | 173  | 360566   | 105.482 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.857  | 105  | 2187317  | 112.492 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.197 | 75   | 543982   | 98.271  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 1817158  | 116.471 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.841 | 105  | 1817371  | 118.491 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 1041950  | 104.395 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.197 | 146  | 1076595  | 101.468 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.567 | 146  | 1039614  | 102.169 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.352 | 75   | 152942   | 104.831 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.570 | 180  | 724069   | 106.362 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 658177   | 114.760 | ug/L  | 99       |
| 71) Naphthalene               | 13.426 | 128  | 1856828  | 122.435 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 645971   | 114.804 | ug/L  | 99       |

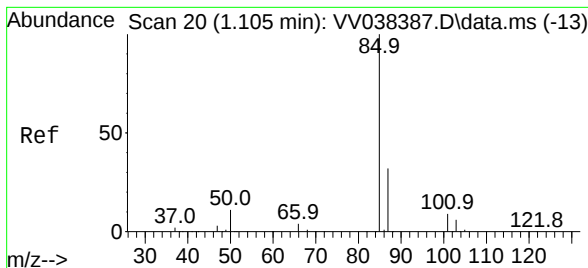
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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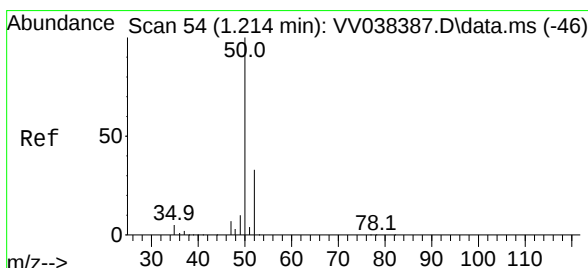
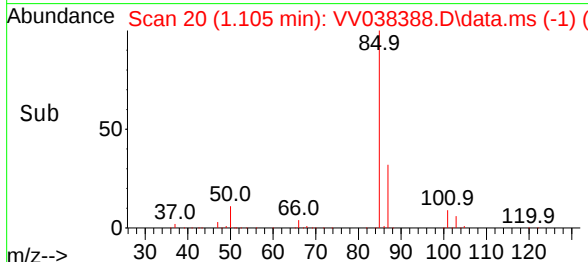
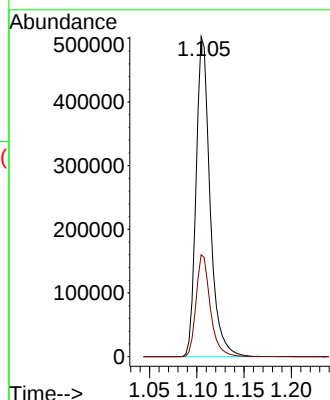
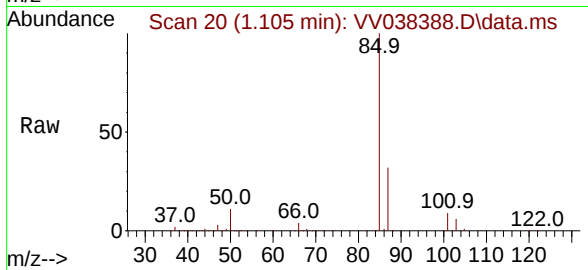




#2  
 Dichlorodifluoromethane  
 Concen: 97.337 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

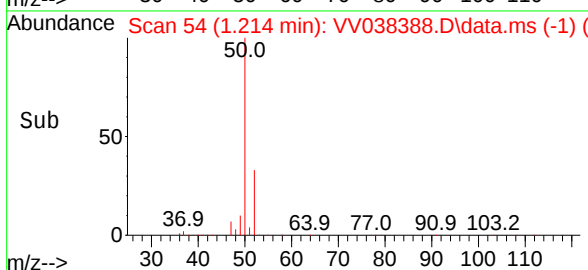
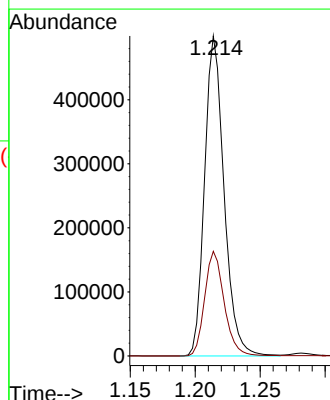
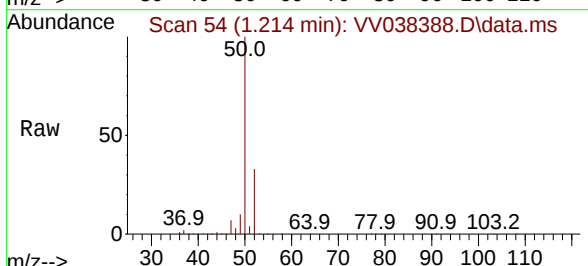
Instrument :  
 MSVOA\_V  
 ClientSampleId :

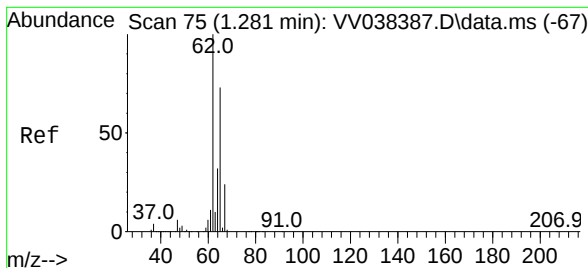
Tgt Ion: 85 Resp: 516588  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 25.8 38.6



#3  
 Chloromethane  
 Concen: 94.683 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.000 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

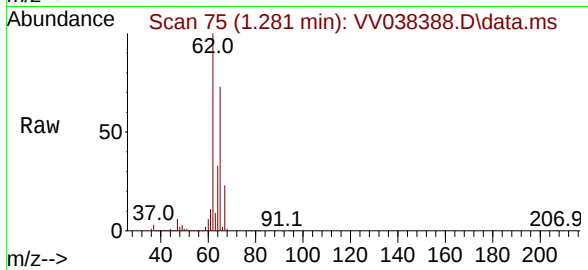
Tgt Ion: 50 Resp: 521287  
 Ion Ratio Lower Upper  
 50 100  
 52 32.7 22.7 42.3



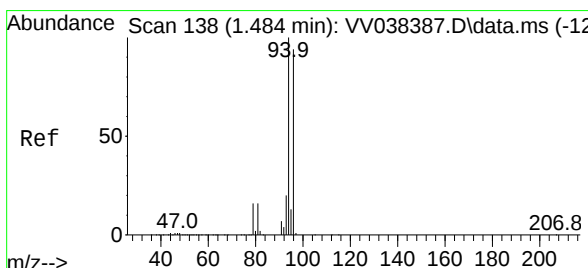
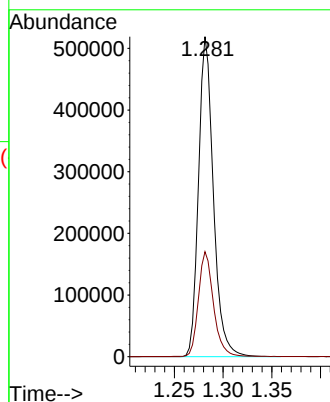
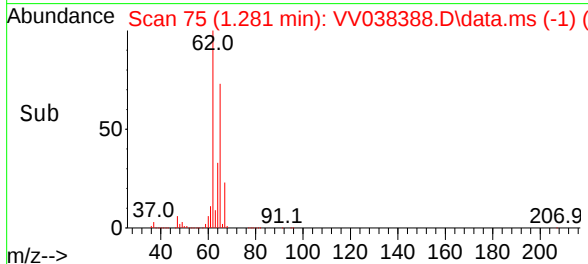


#5  
 Vinyl chloride  
 Concen: 98.126 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :

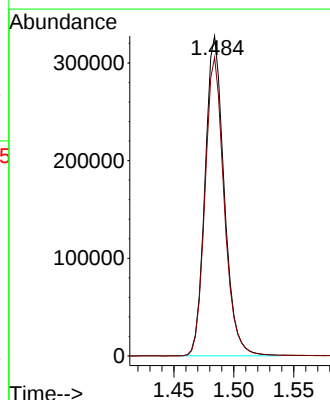
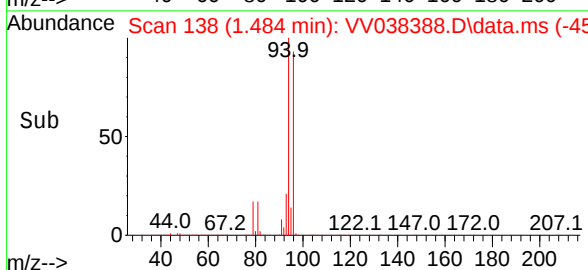
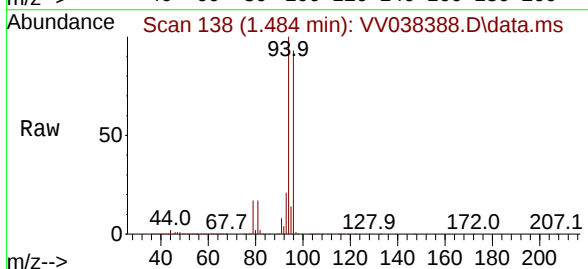


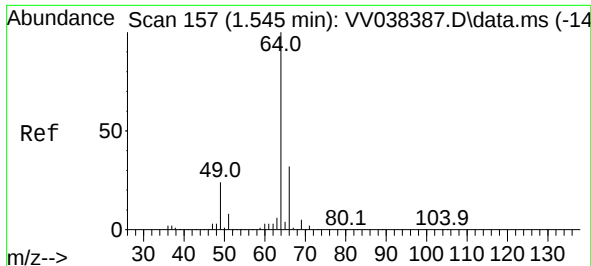
Tgt Ion: 62 Resp: 551048  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 22.8 42.4



#6  
 Bromomethane  
 Concen: 104.410 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. 0.000 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

Tgt Ion: 94 Resp: 363290  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 66.1 122.8

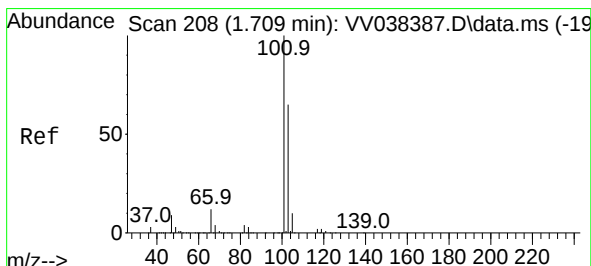
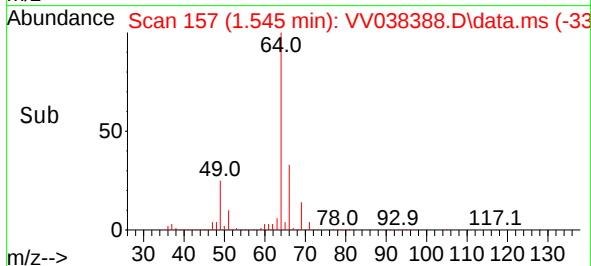
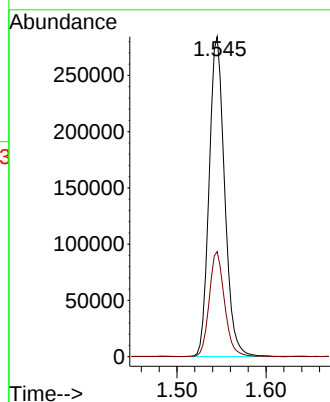
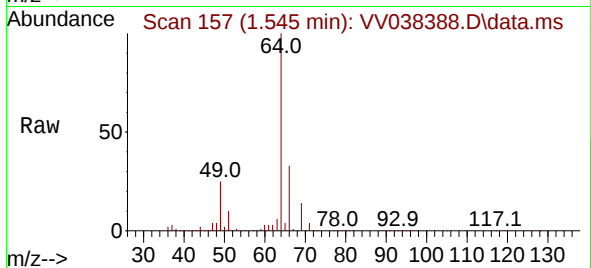




#8  
Chloroethane  
Concen: 96.298 ug/L  
RT: 1.545 min Scan# 157  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

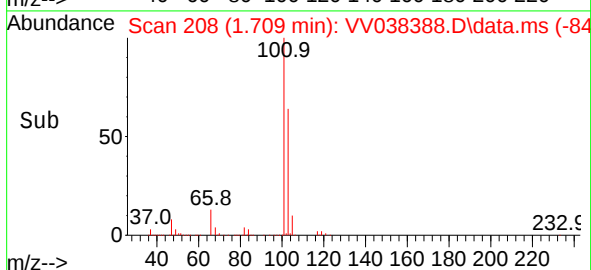
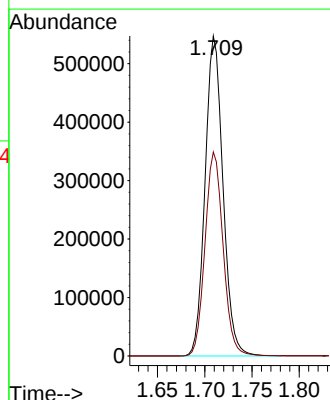
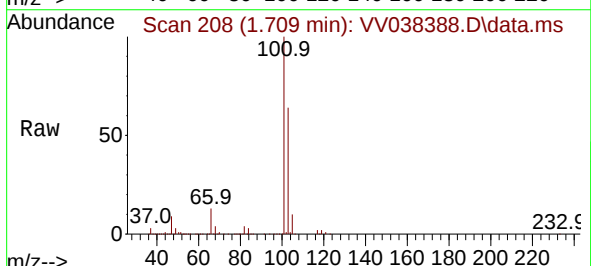
Instrument :  
MSVOA\_V  
ClientSampleId :

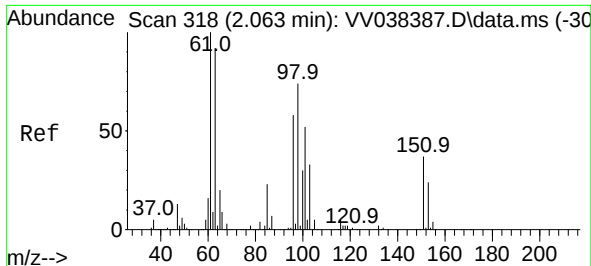
Tgt Ion: 64 Resp: 342186  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 97.448 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion:101 Resp: 721746  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.7 77.5

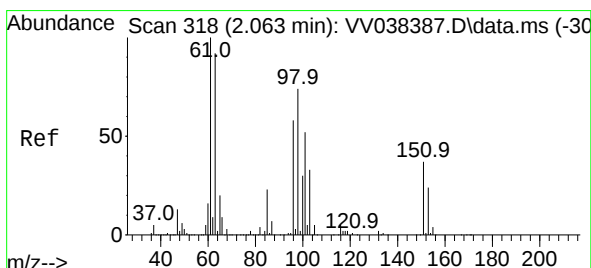
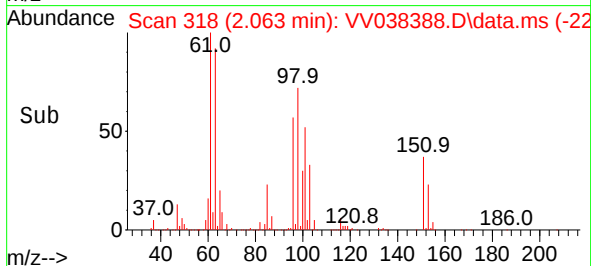
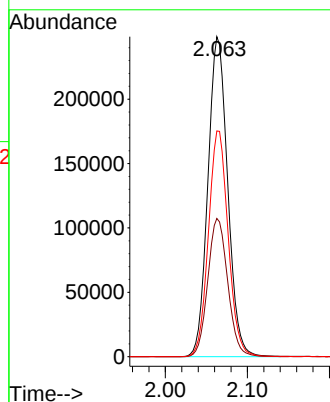
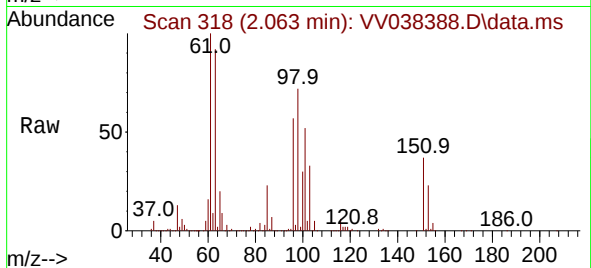




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 97.859 ug/L  
 RT: 2.063 min Scan# 318  
 Delta R.T. 0.000 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

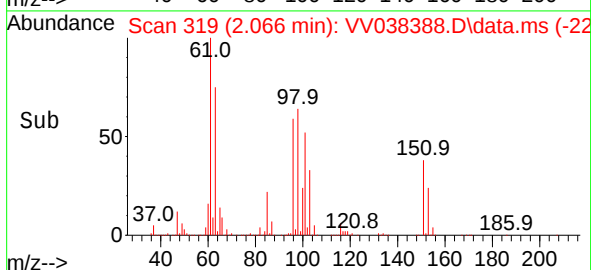
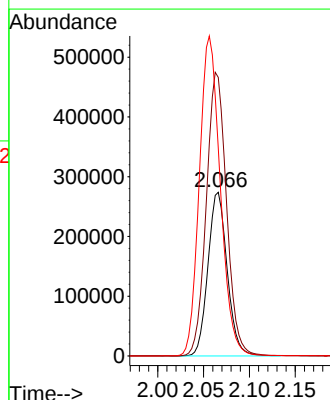
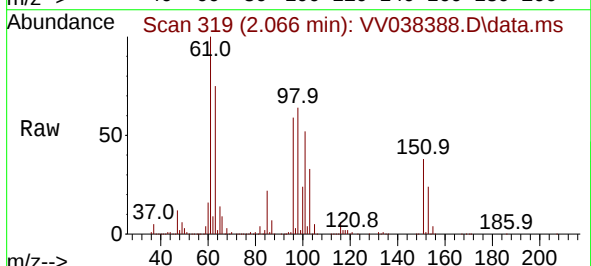
Instrument :  
 MSVOA\_V  
 ClientSampleId :

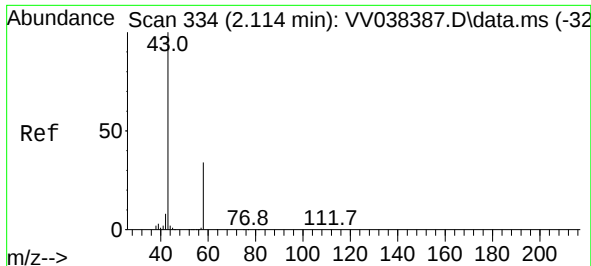
Tgt Ion:101 Resp: 417321  
 Ion Ratio Lower Upper  
 101 100  
 85 43.6 34.7 52.1  
 151 70.5 55.3 82.9



#12  
 1,1-Dichloroethene  
 Concen: 98.529 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. 0.003 min  
 Lab File: VV038388.D  
 Acq: 02 Dec 2024 12:59

Tgt Ion: 96 Resp: 400159  
 Ion Ratio Lower Upper  
 96 100  
 61 170.2 120.9 224.5  
 63 127.0 110.9 205.9





#13

Acetone

Concen: 186.647 ug/L

RT: 2.111 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV038388.D

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Instrument :

MSVOA\_V

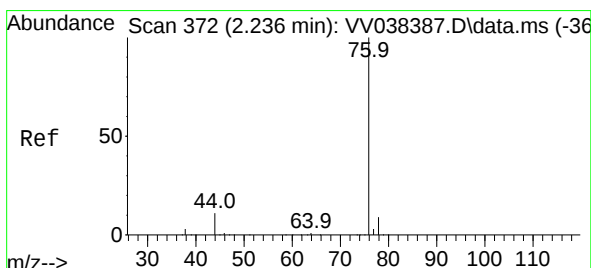
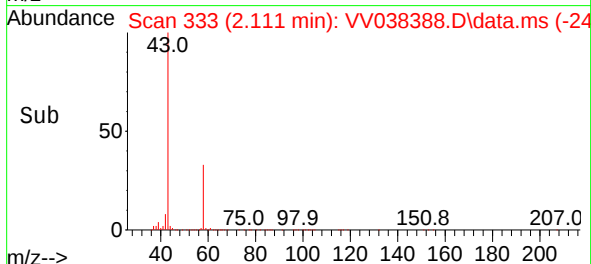
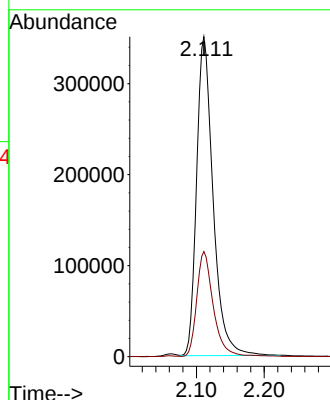
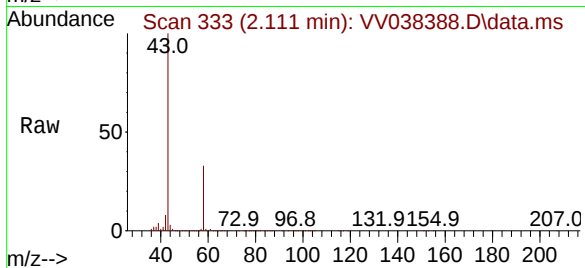
ClientSampleId :

Tgt Ion: 43 Resp: 591534

Ion Ratio Lower Upper

43 100

58 33.3 0.0 67.2



#14

Carbon disulfide

Concen: 98.807 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV038388.D

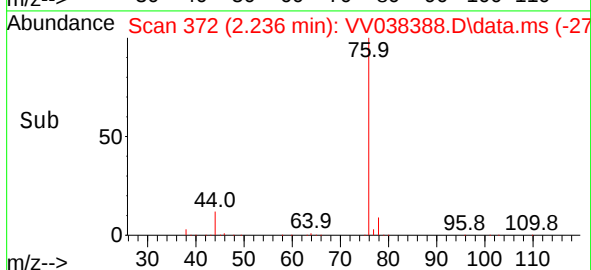
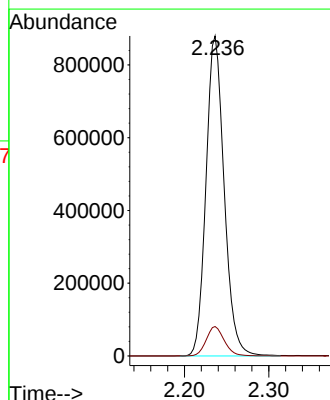
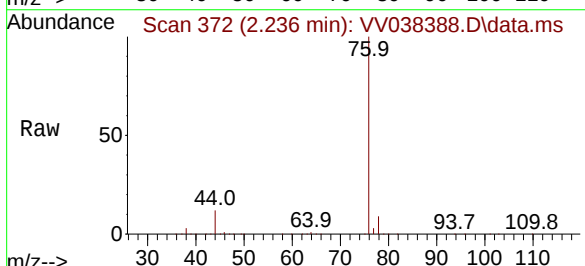
Acq: 02 Dec 2024 12:59

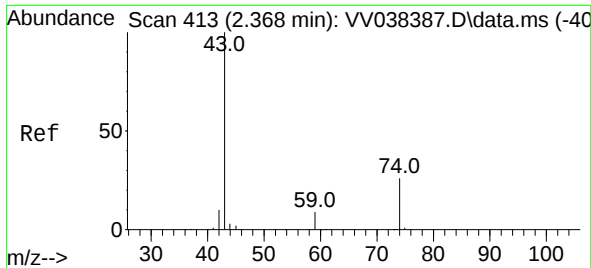
Tgt Ion: 76 Resp: 1320674

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

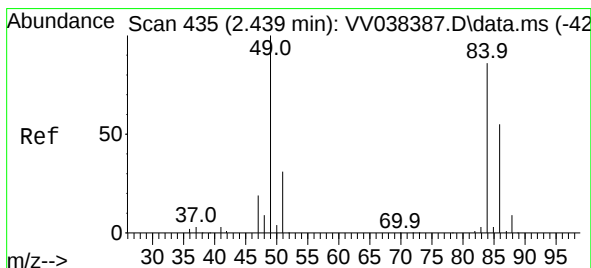
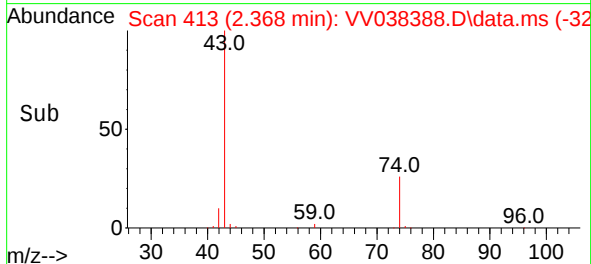
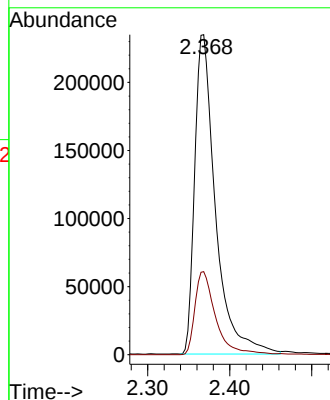
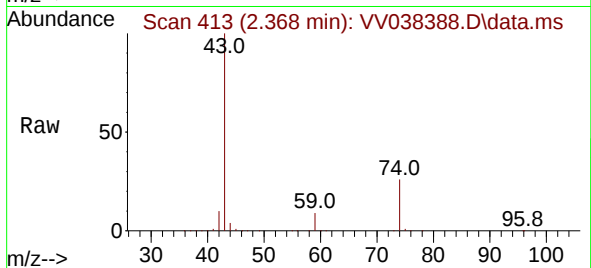




#15  
Methyl Acetate  
Concen: 100.594 ug/L  
RT: 2.368 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

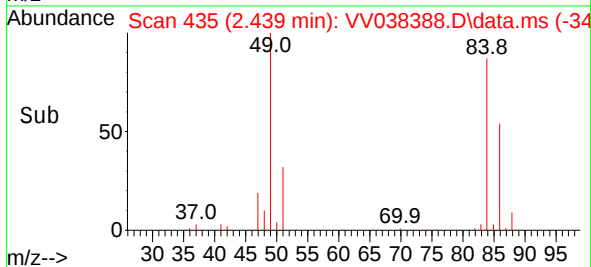
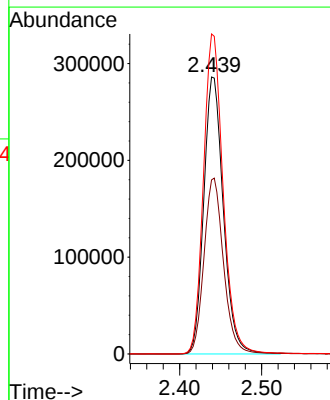
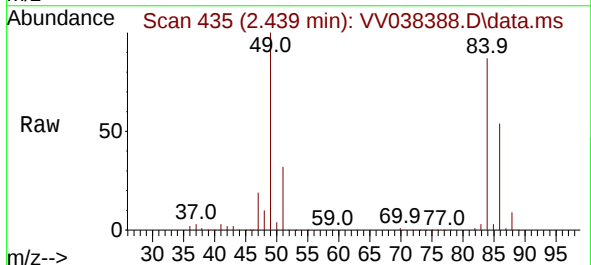
Instrument :  
MSVOA\_V  
ClientSampleId :

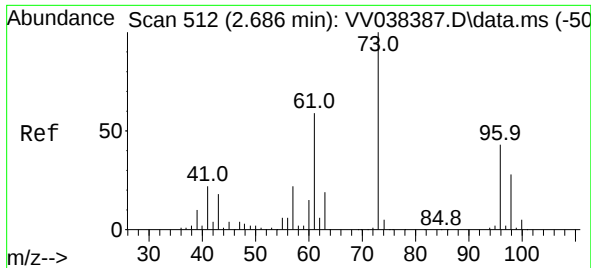
Tgt Ion: 43 Resp: 412629  
Ion Ratio Lower Upper  
43 100  
74 25.9 20.6 31.0



#16  
Methylene chloride  
Concen: 96.866 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 84 Resp: 474700  
Ion Ratio Lower Upper  
84 100  
86 62.8 44.5 82.7  
49 115.5 81.7 151.7





#17

trans-1,2-Dichloroethene

Concen: 100.347 ug/L

RT: 2.687 min Scan# 512

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

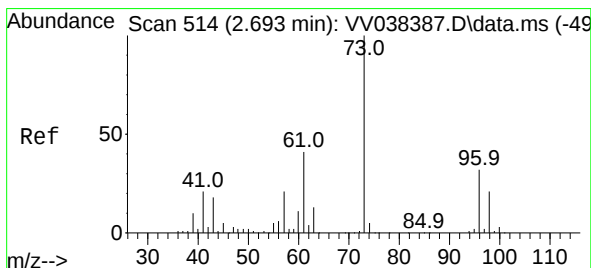
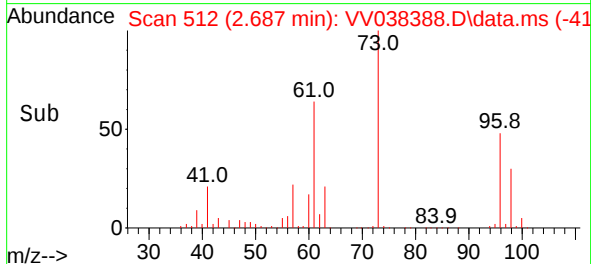
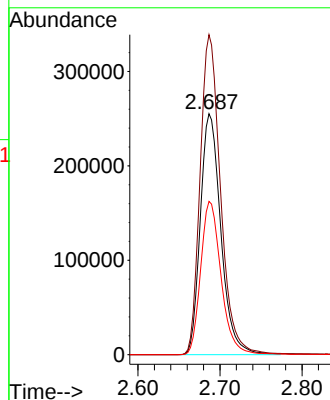
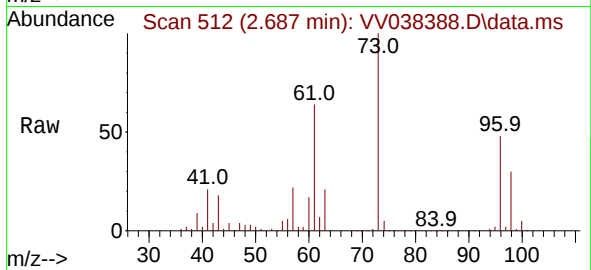
Tgt Ion: 96 Resp: 444398

Ion Ratio Lower Upper

96 100

61 132.8 95.7 177.7

98 63.6 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 105.799 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

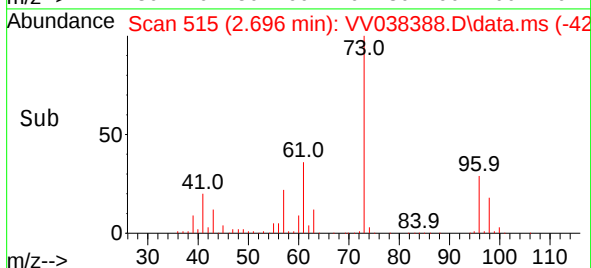
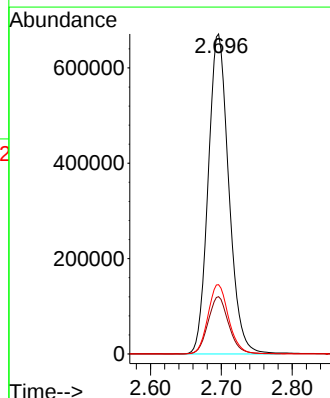
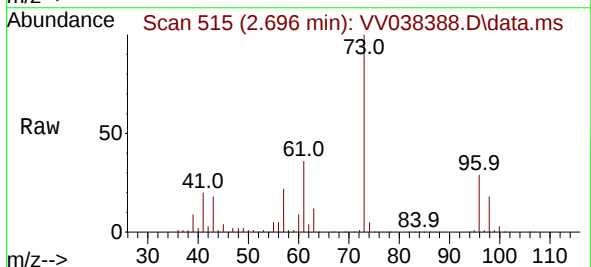
Tgt Ion: 73 Resp: 1353264

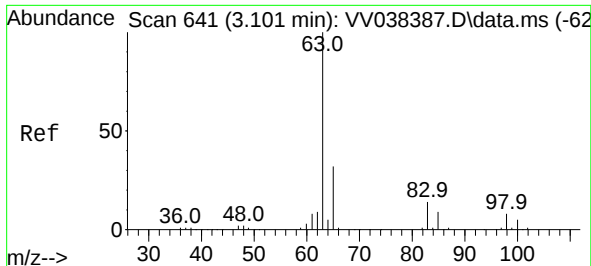
Ion Ratio Lower Upper

73 100

43 17.8 14.7 22.1

57 21.8 17.7 26.5

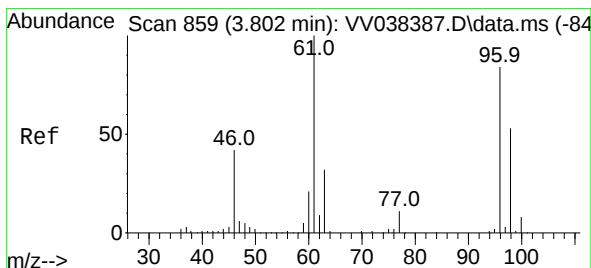
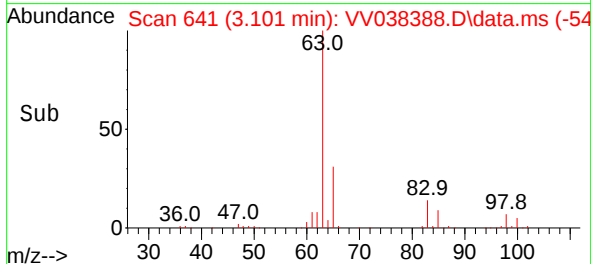
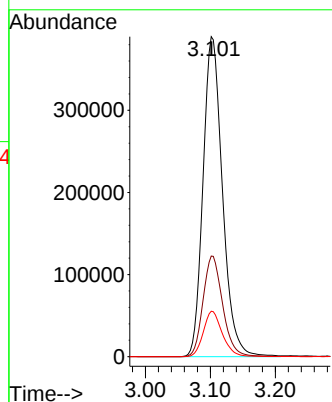
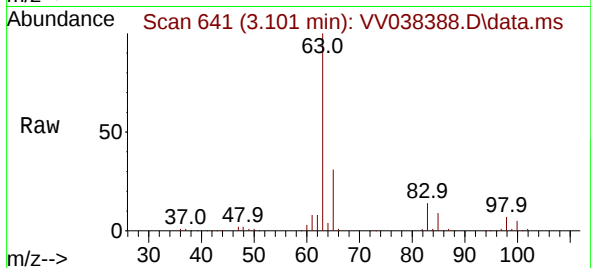




#19  
1,1-Dichloroethane  
Concen: 100.046 ug/L  
RT: 3.101 min Scan# 641  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

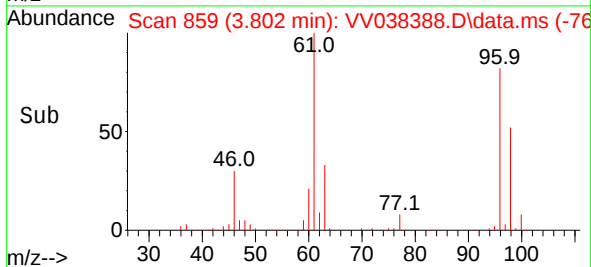
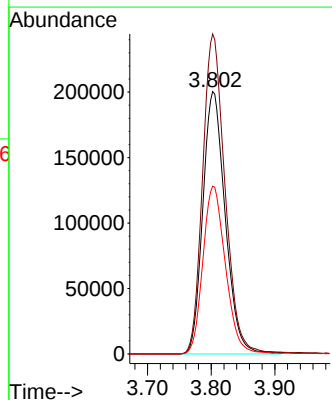
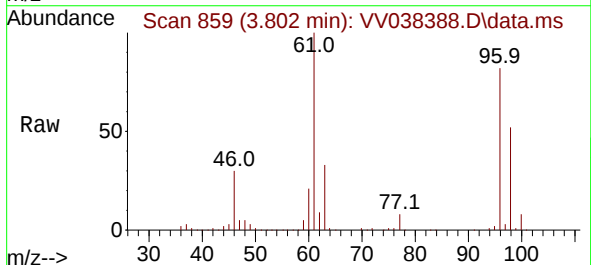
Instrument :  
MSVOA\_V  
ClientSampleId :

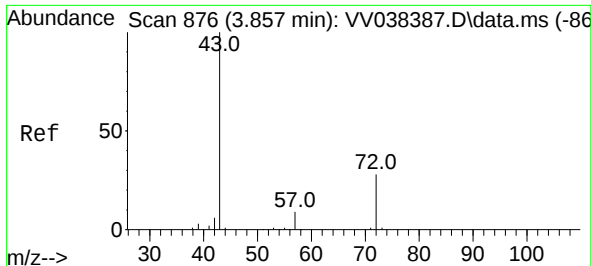
Tgt Ion: 63 Resp: 812574  
Ion Ratio Lower Upper  
63 100  
65 31.4 22.6 42.0  
83 14.2 9.8 18.2



#20  
cis-1,2-Dichloroethene  
Concen: 105.373 ug/L  
RT: 3.802 min Scan# 859  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 96 Resp: 490769  
Ion Ratio Lower Upper  
96 100  
61 122.0 83.5 155.1  
98 64.0 44.6 82.8

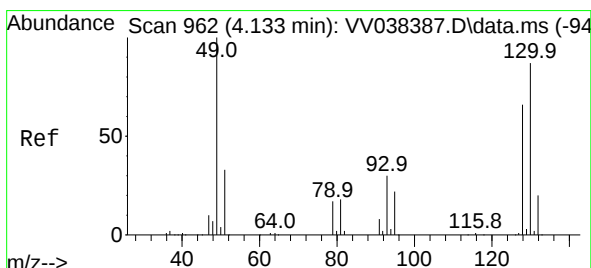
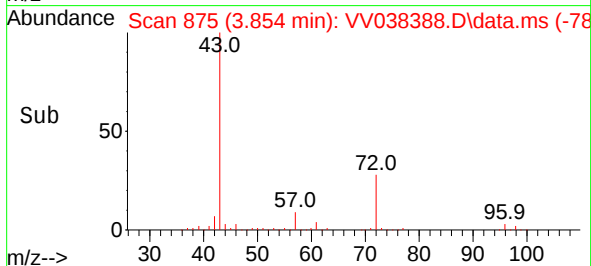
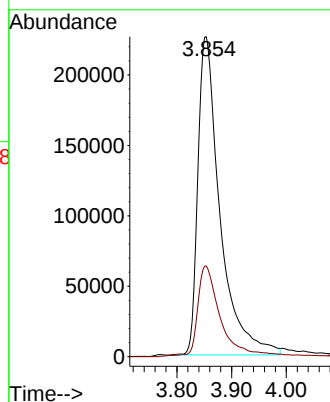
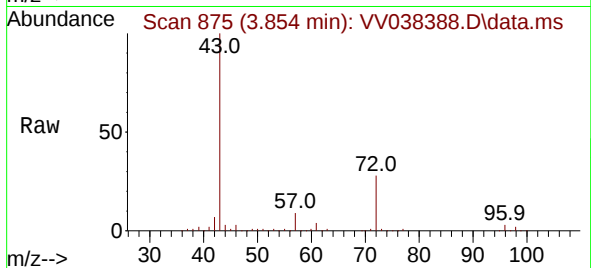




#22  
2-Butanone  
Concen: 225.568 ug/L  
RT: 3.854 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

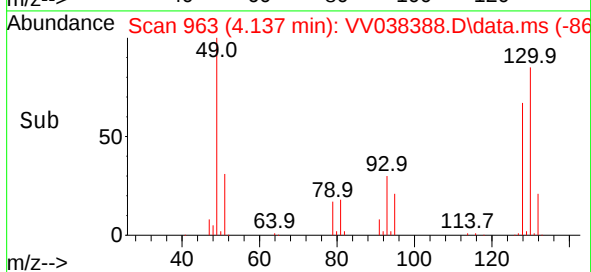
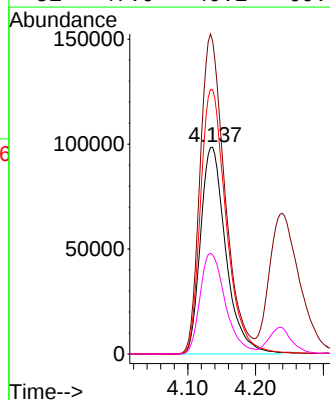
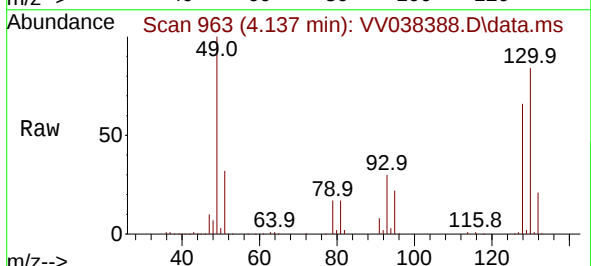
Instrument :  
MSVOA\_V  
ClientSampleId :

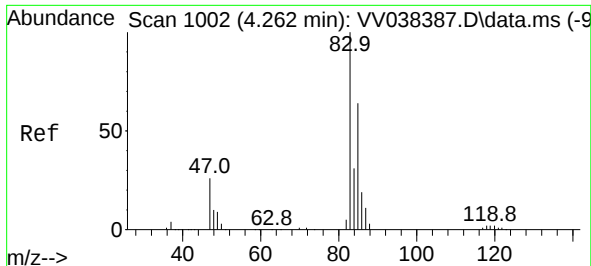
Tgt Ion: 43 Resp: 635065  
Ion Ratio Lower Upper  
43 100  
72 26.6 12.5 37.5



#23  
Bromochloromethane  
Concen: 100.764 ug/L  
RT: 4.137 min Scan# 963  
Delta R.T. 0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion:128 Resp: 255094  
Ion Ratio Lower Upper  
128 100  
49 151.4 106.7 198.3  
130 127.8 93.2 173.2  
51 47.9 40.2 60.4





#25

Chloroform

Concen: 99.402 ug/L

RT: 4.262 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

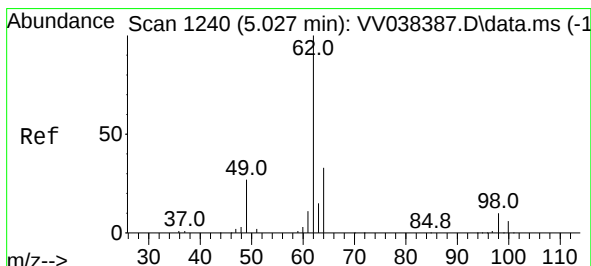
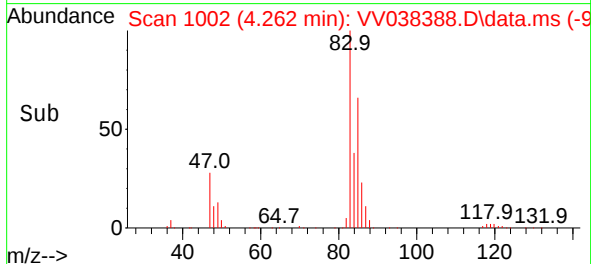
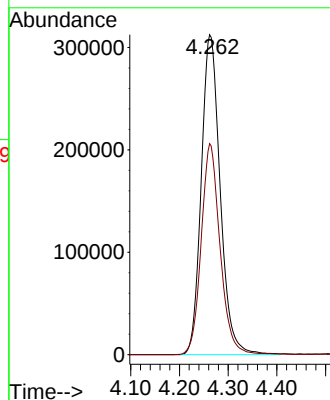
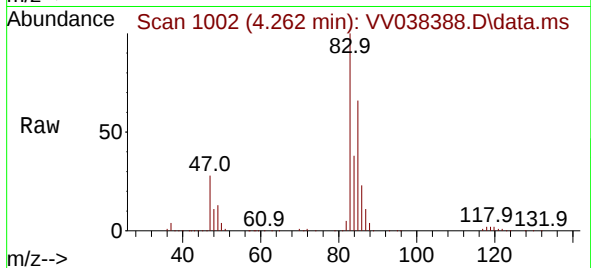
ClientSampleId :

Tgt Ion: 83 Resp: 842745

Ion Ratio Lower Upper

83 100

85 65.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 102.732 ug/L

RT: 5.027 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VV038388.D

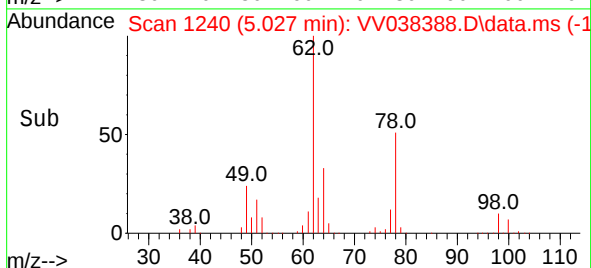
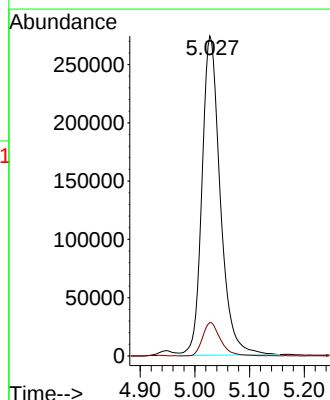
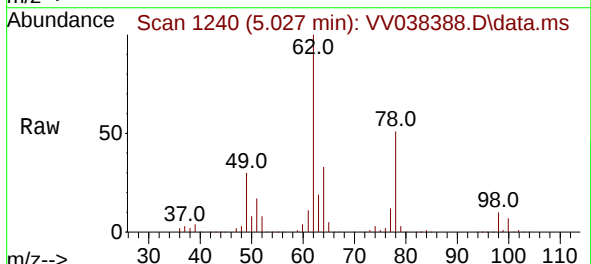
Acq: 02 Dec 2024 12:59

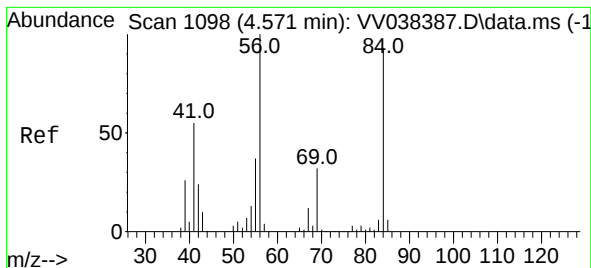
Tgt Ion: 62 Resp: 635352

Ion Ratio Lower Upper

62 100

98 10.4 7.5 11.3





#29

Cyclohexane

Concen: 114.205 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

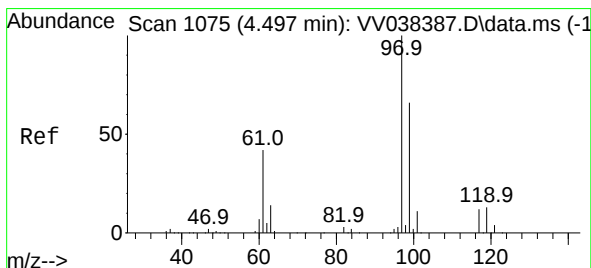
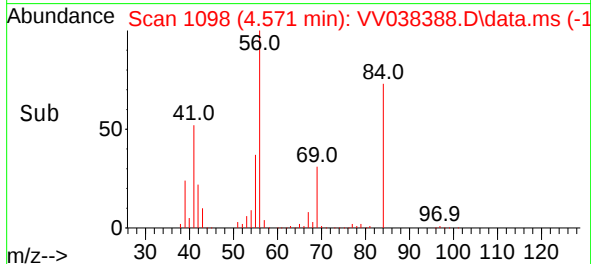
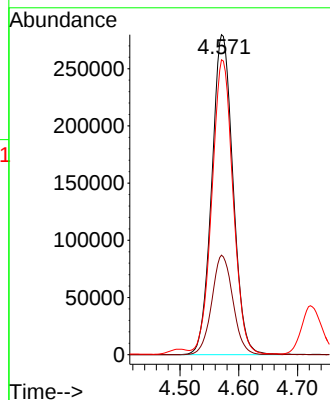
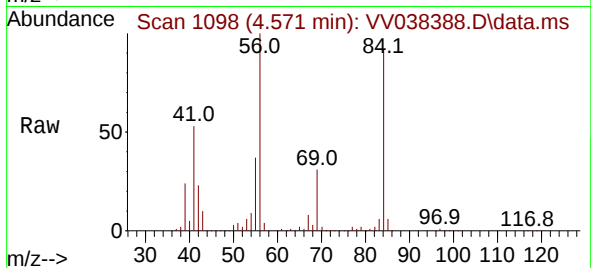
Tgt Ion: 56 Resp: 701895

Ion Ratio Lower Upper

56 100

69 30.9 24.8 37.2

84 91.7 73.7 110.5



#30

1,1,1-Trichloroethane

Concen: 102.283 ug/L

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

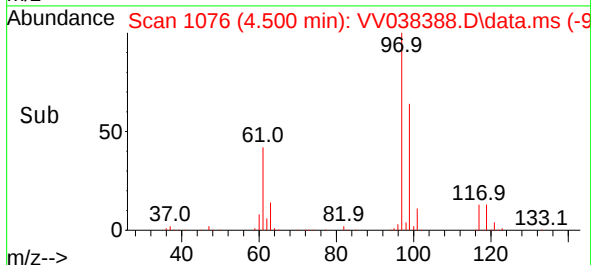
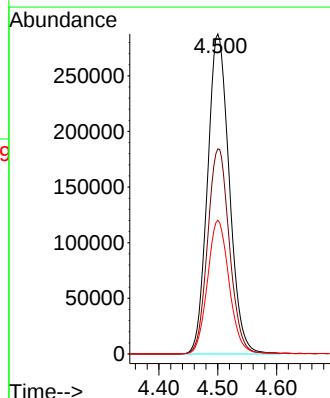
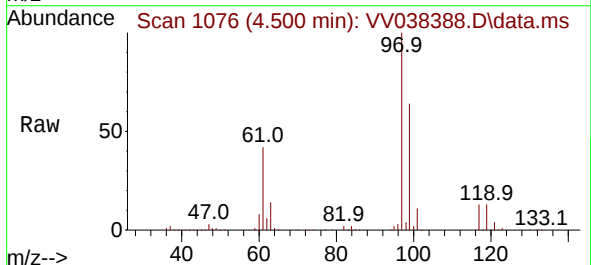
Tgt Ion: 97 Resp: 739393

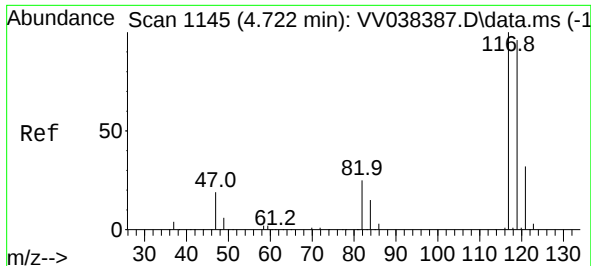
Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

61 41.9 33.6 50.4

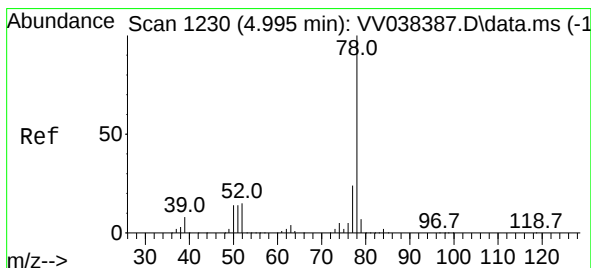
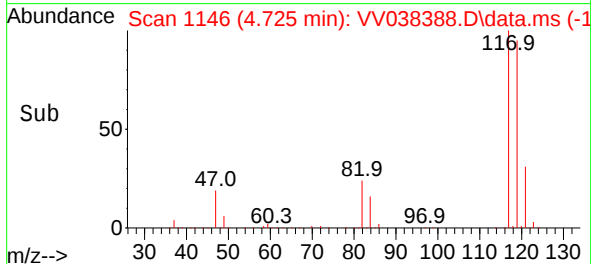
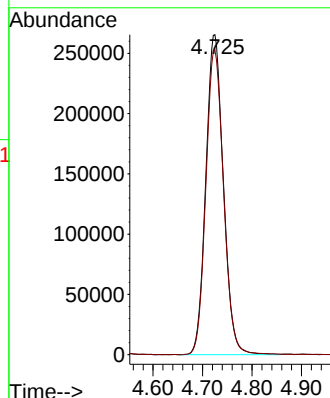
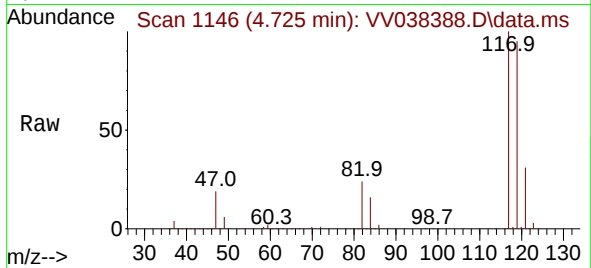




#31  
Carbon tetrachloride  
Concen: 103.066 ug/L  
RT: 4.725 min Scan# 1145  
Delta R.T. 0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

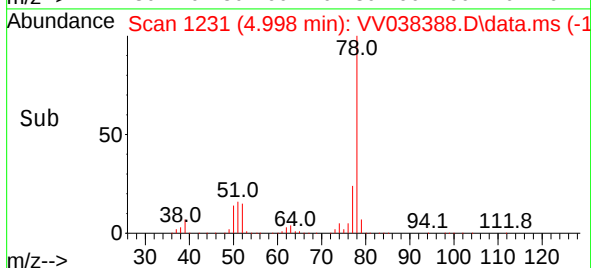
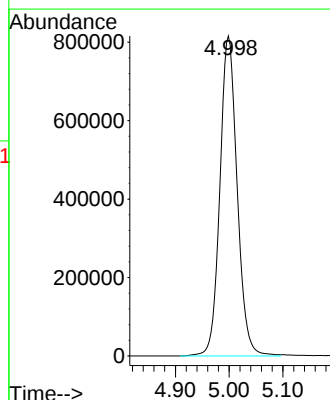
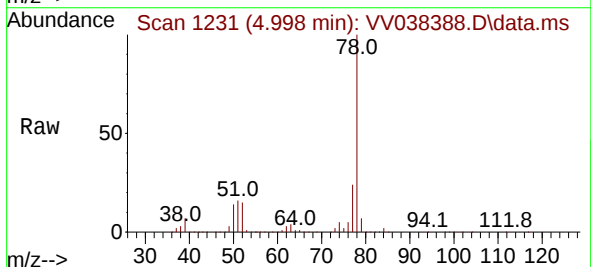
Instrument :  
MSVOA\_V  
ClientSampleId :

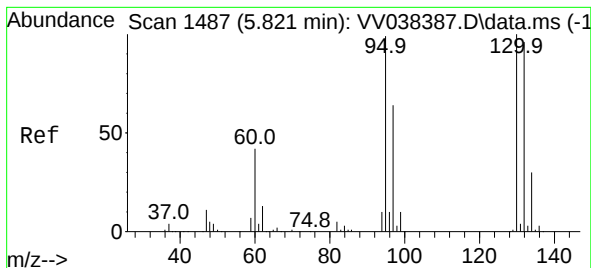
Tgt Ion:117 Resp: 654768  
Ion Ratio Lower Upper  
117 100  
119 95.7 77.7 116.5



#33  
Benzene  
Concen: 105.432 ug/L  
RT: 4.998 min Scan# 1231  
Delta R.T. 0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 78 Resp: 1820495





#34

Trichloroethene

Concen: 103.746 ug/L

RT: 5.821 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 478579

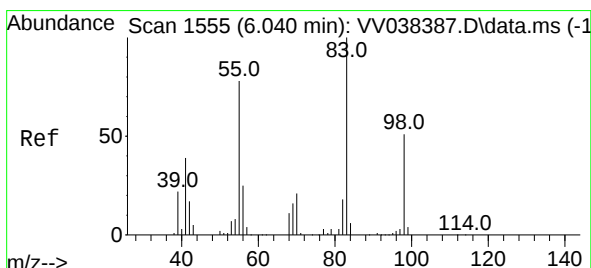
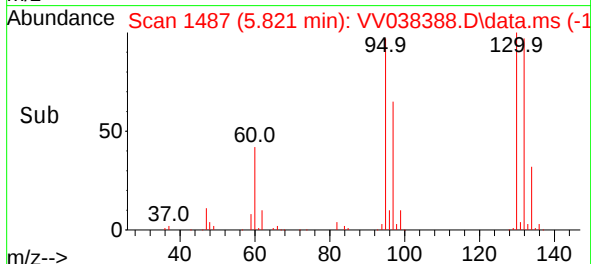
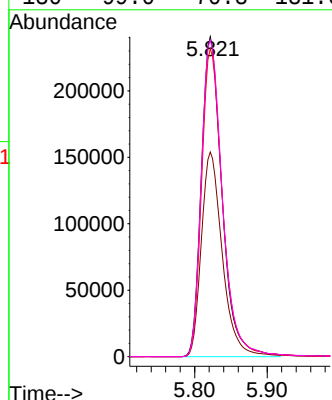
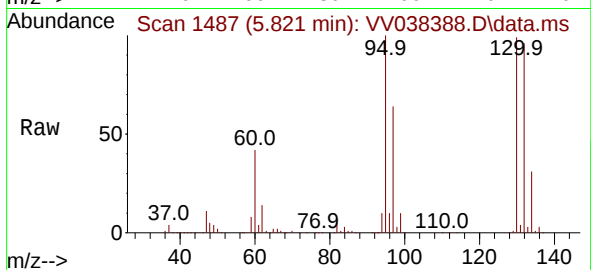
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.8

132 96.2 67.6 125.6

130 99.0 70.8 131.6



#35

Methylcyclohexane

Concen: 113.764 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

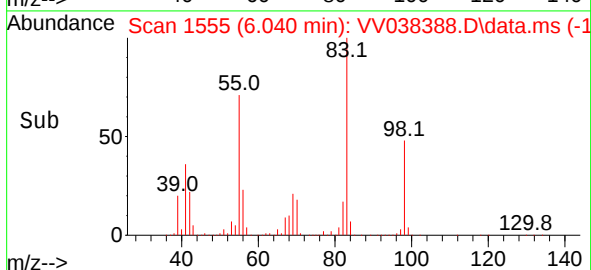
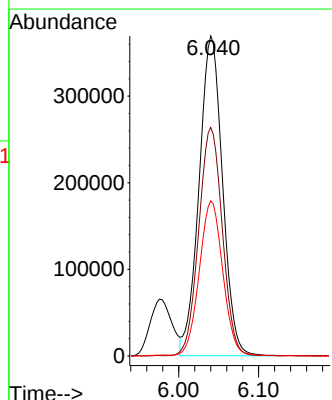
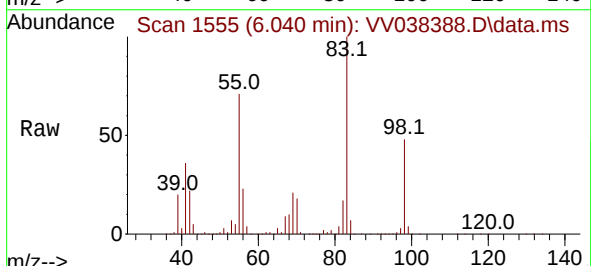
Tgt Ion: 83 Resp: 753618

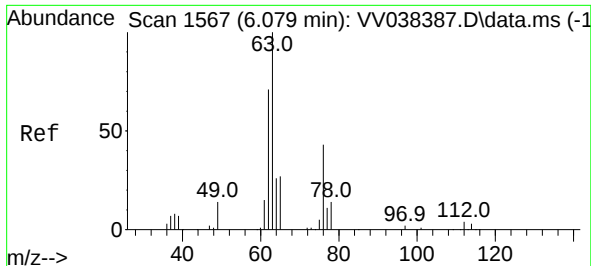
Ion Ratio Lower Upper

83 100

55 71.7 59.0 88.6

98 48.8 39.5 59.3

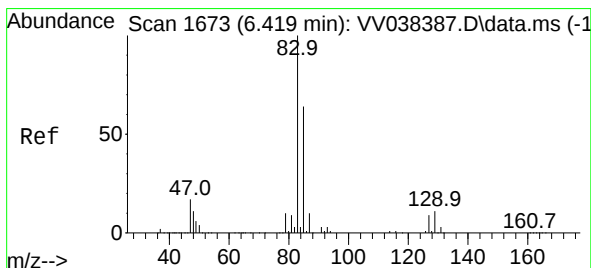
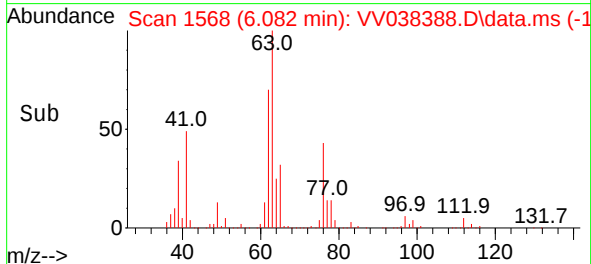
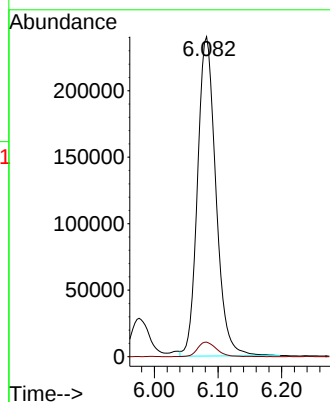
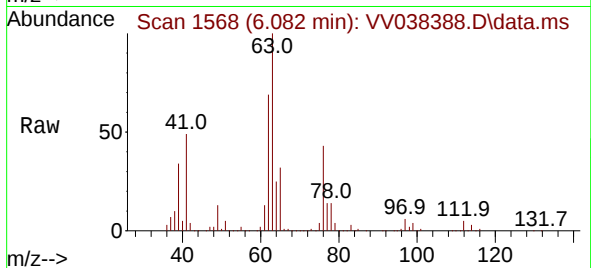




#37  
1,2-Dichloropropane  
Concen: 107.273 ug/L  
RT: 6.082 min Scan# 1568  
Delta R.T. 0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

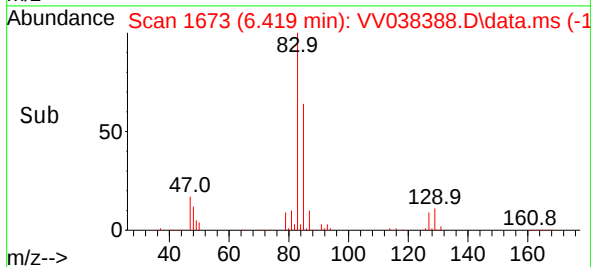
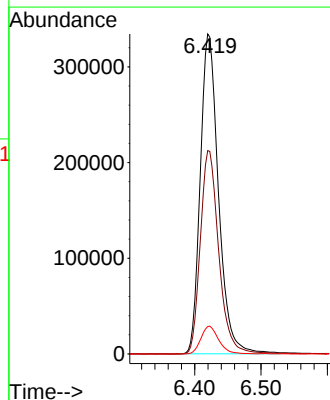
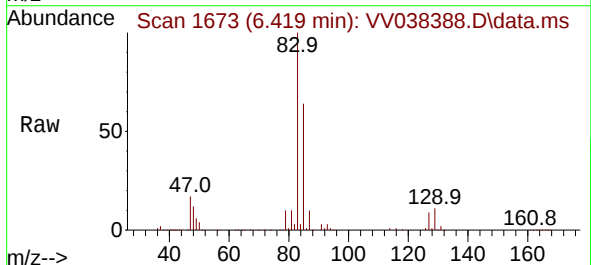
Instrument :  
MSVOA\_V  
ClientSampleId :

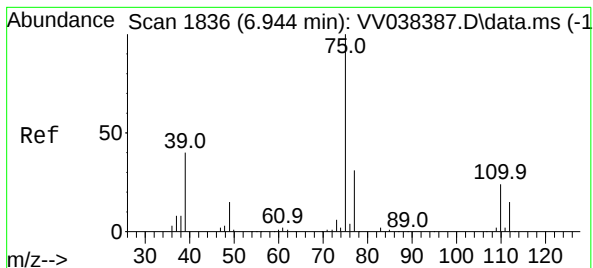
Tgt Ion: 63 Resp: 481612  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.8 5.6



#38  
Bromodichloromethane  
Concen: 102.448 ug/L  
RT: 6.419 min Scan# 1673  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 83 Resp: 638351  
Ion Ratio Lower Upper  
83 100  
85 63.6 44.9 83.5  
127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 115.124 ug/L

RT: 6.940 min Scan# 1836

Delta R.T. -0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

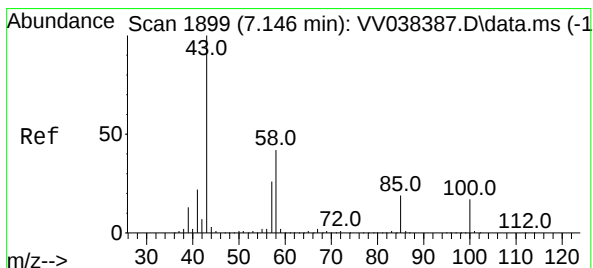
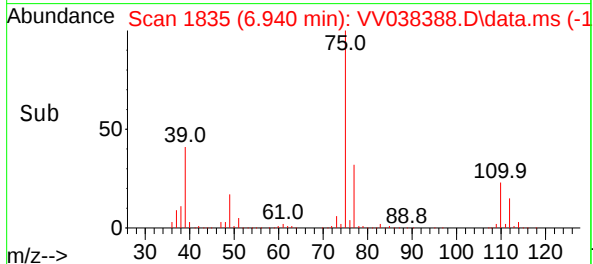
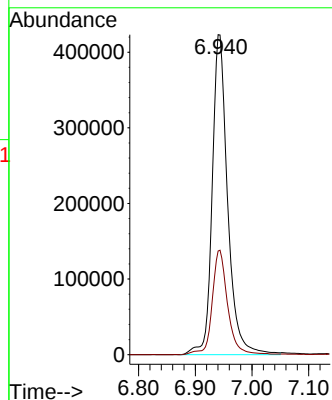
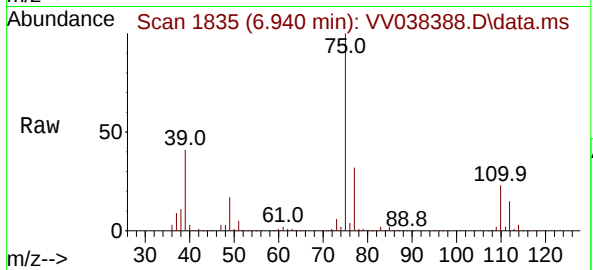
ClientSampleId :

Tgt Ion: 75 Resp: 802064

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 230.222 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

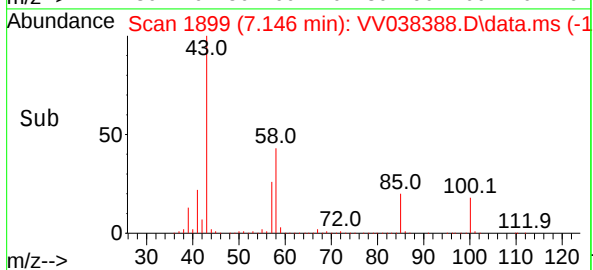
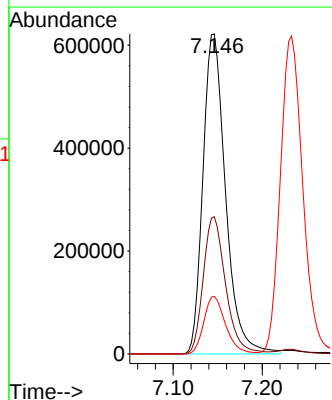
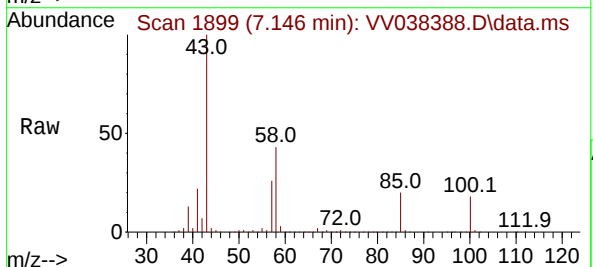
Tgt Ion: 43 Resp: 1099125

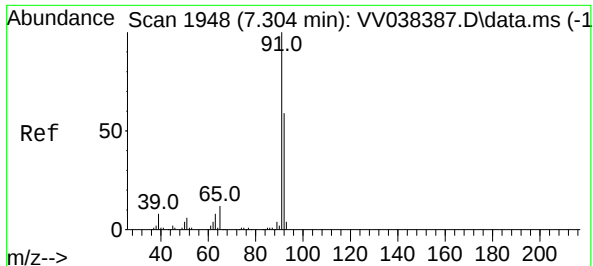
Ion Ratio Lower Upper

43 100

58 42.3 32.7 49.1

100 17.3 13.7 20.5





#42

Toluene

Concen: 108.771 ug/L

RT: 7.304 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

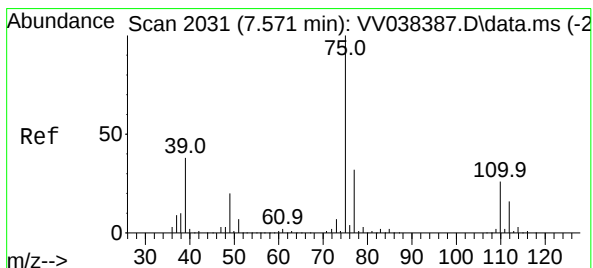
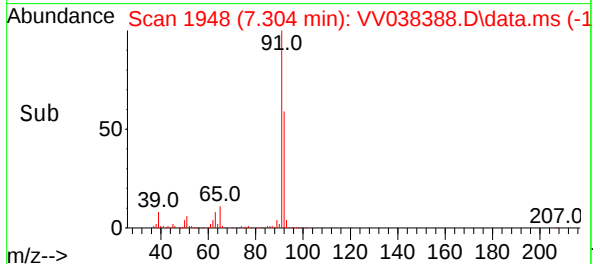
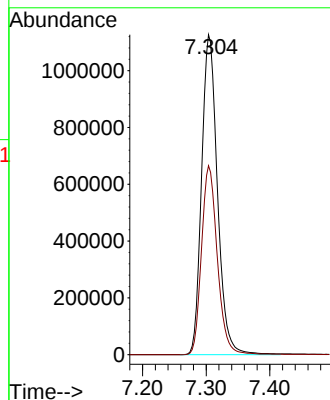
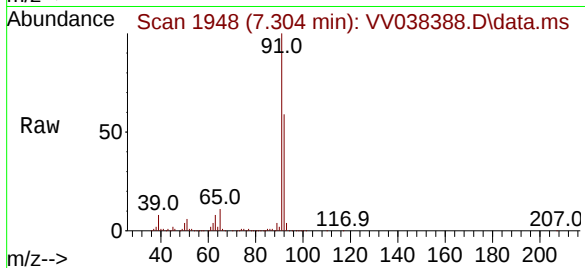
ClientSampleId :

Tgt Ion: 91 Resp: 1951228

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 113.866 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VV038388.D

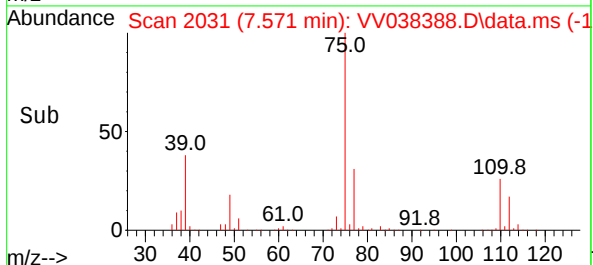
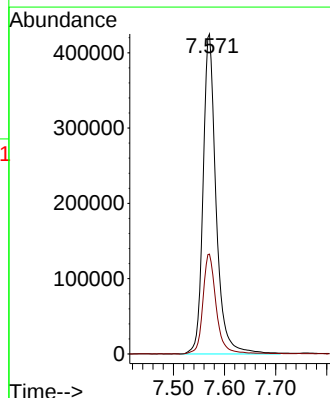
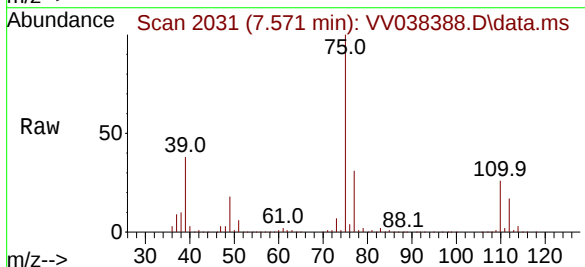
Acq: 02 Dec 2024 12:59

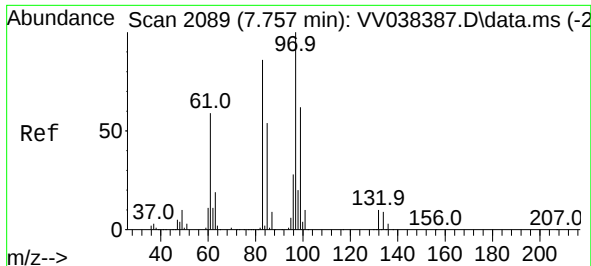
Tgt Ion: 75 Resp: 752752

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 103.409 ug/L

RT: 7.757 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 481706

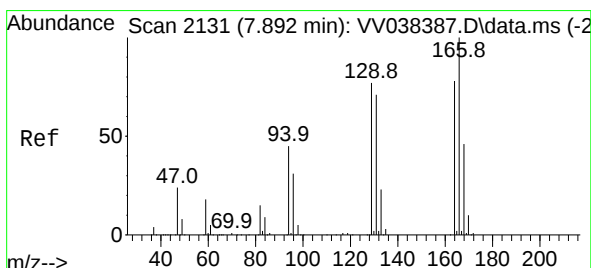
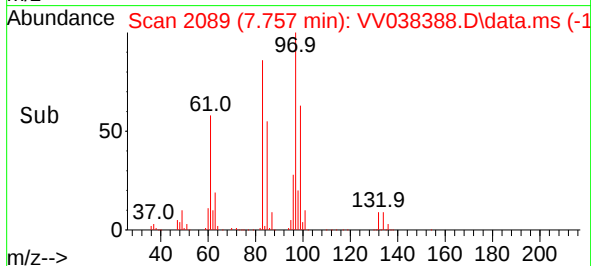
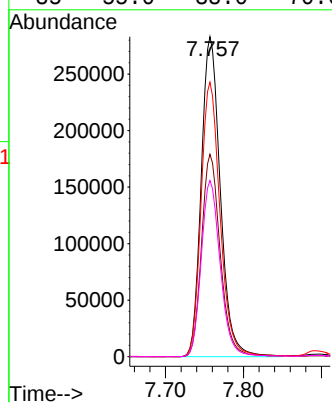
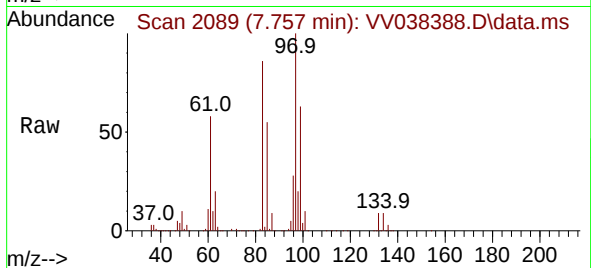
Ion Ratio Lower Upper

97 100

99 63.3 43.6 81.0

83 85.7 60.5 112.5

85 55.0 38.0 70.6



#46

Tetrachloroethene

Concen: 102.214 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. 0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Tgt Ion:164 Resp: 364016

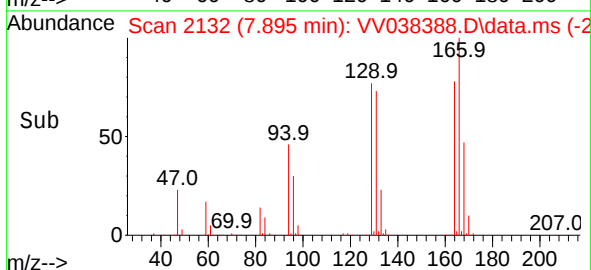
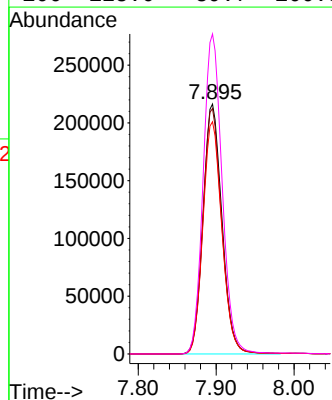
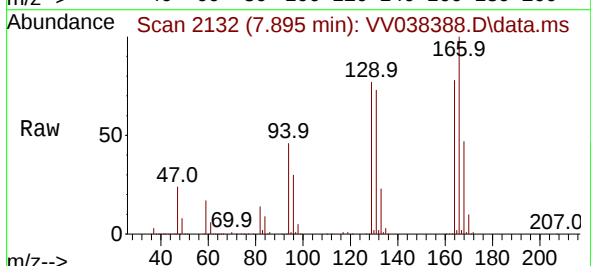
Ion Ratio Lower Upper

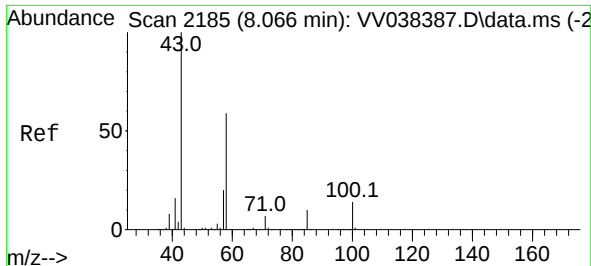
164 100

129 98.2 69.2 128.4

131 92.9 63.1 117.3

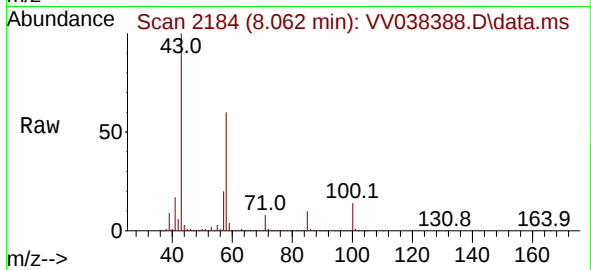
166 128.0 89.7 166.5



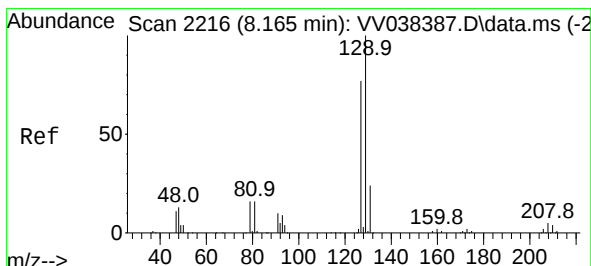
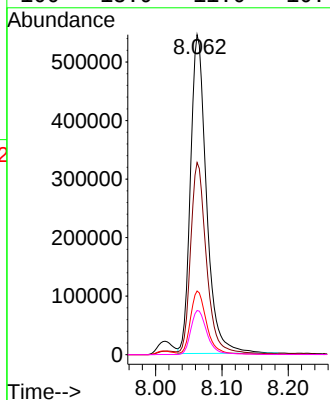
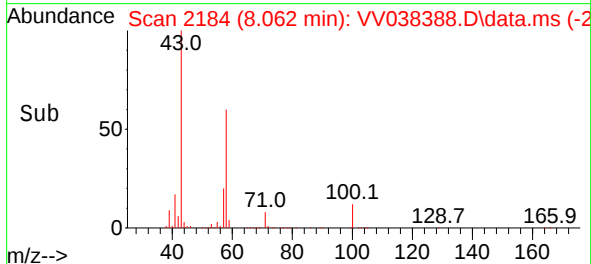


#48  
2-Hexanone  
Concen: 232.223 ug/L  
RT: 8.062 min Scan# 2185  
Delta R.T. -0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Instrument :  
MSVOA\_V  
ClientSampleId :

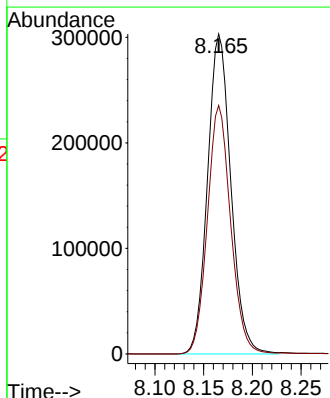
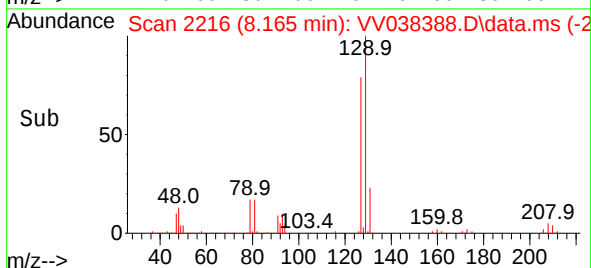
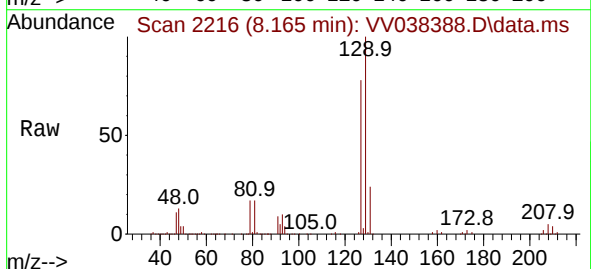


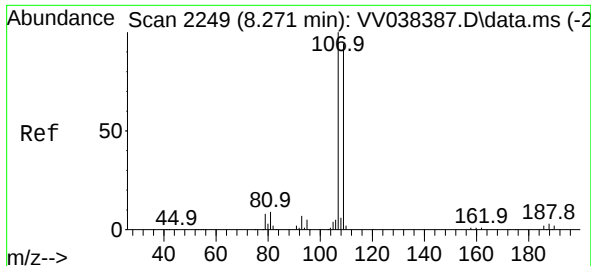
Tgt Ion: 43 Resp: 913088  
Ion Ratio Lower Upper  
43 100  
58 59.4 48.0 72.0  
57 19.7 15.5 23.3  
100 13.9 11.0 16.4



#49  
Dibromochloromethane  
Concen: 105.316 ug/L  
RT: 8.165 min Scan# 2216  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion:129 Resp: 506000  
Ion Ratio Lower Upper  
129 100  
127 77.7 53.8 100.0

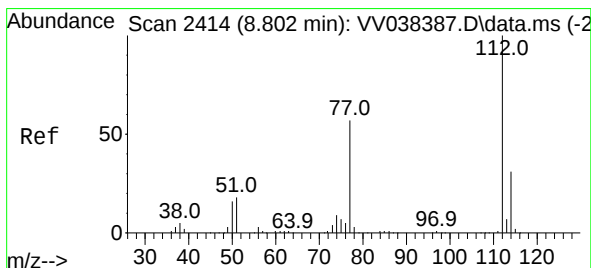
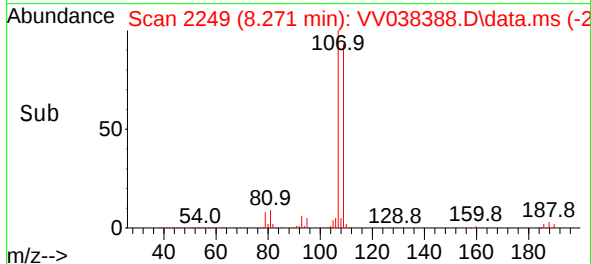
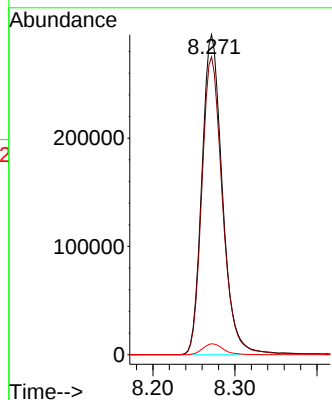
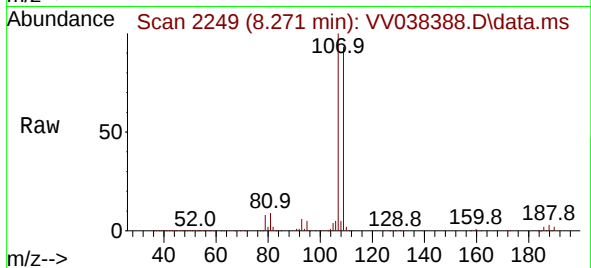




#50  
1,2-Dibromoethane  
Concen: 104.563 ug/L  
RT: 8.271 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

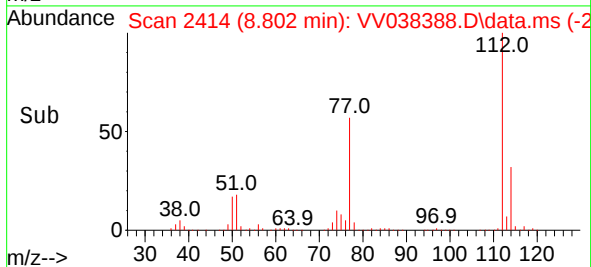
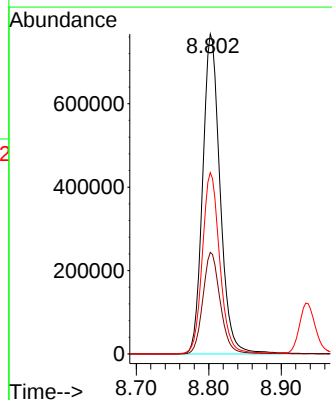
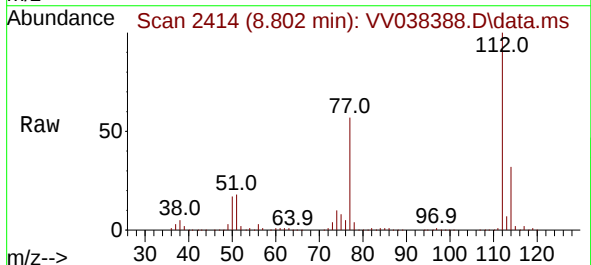
Instrument :  
MSVOA\_V  
ClientSampleId :

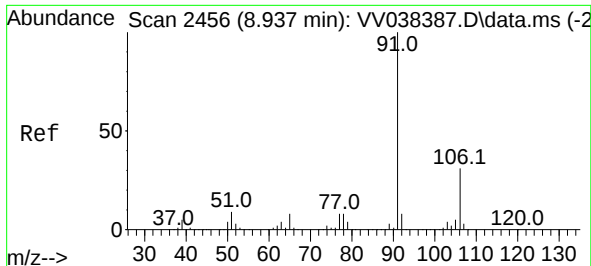
Tgt Ion:107 Resp: 513327  
Ion Ratio Lower Upper  
107 100  
109 93.0 66.1 122.7  
188 3.4 2.6 3.8



#51  
Chlorobenzene  
Concen: 103.877 ug/L  
RT: 8.802 min Scan# 2414  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion:112 Resp: 1280352  
Ion Ratio Lower Upper  
112 100  
114 31.7 21.9 40.7  
77 56.7 45.4 68.0

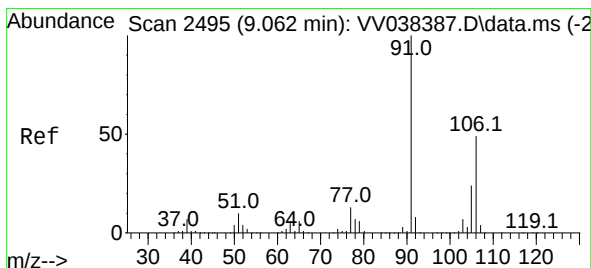
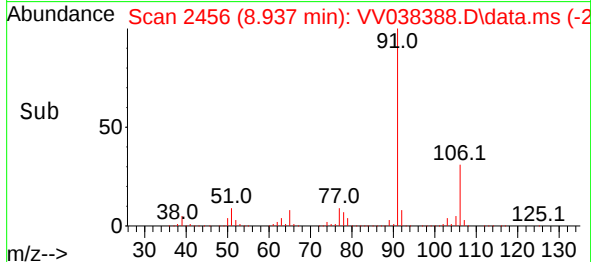
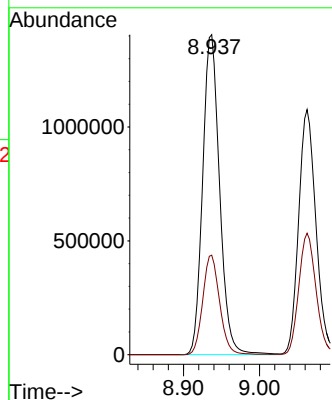
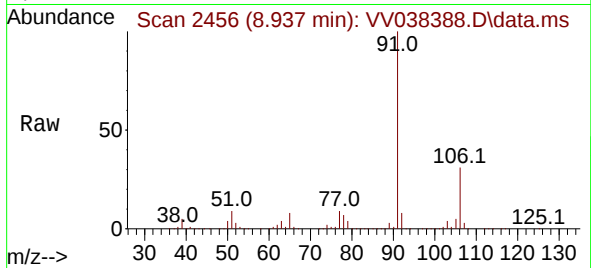




#52  
Ethylbenzene  
Concen: 113.169 ug/L  
RT: 8.937 min Scan# 2456  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

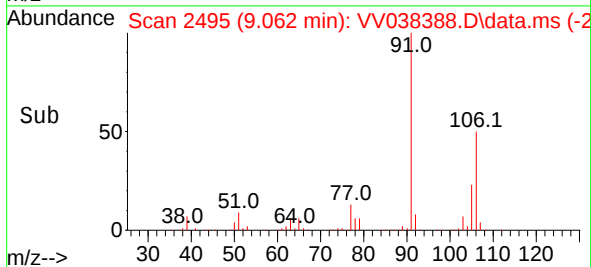
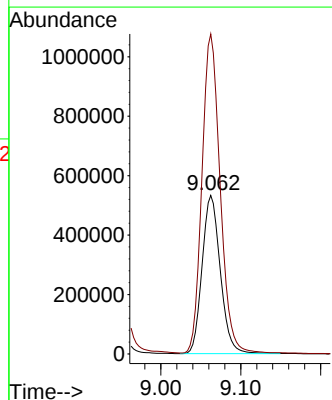
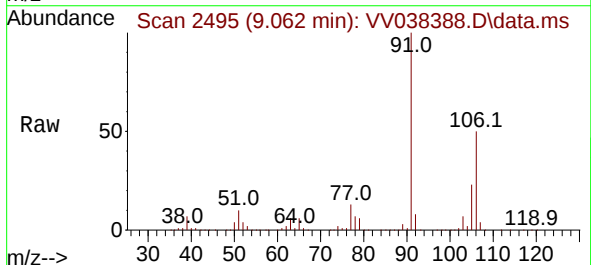
Instrument :  
MSVOA\_V  
ClientSampleId :

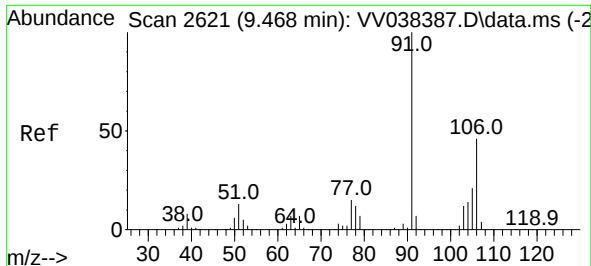
Tgt Ion: 91 Resp: 2177408  
Ion Ratio Lower Upper  
91 100  
106 31.1 21.6 40.0



#53  
m,p-Xylene  
Concen: 115.614 ug/L  
RT: 9.062 min Scan# 2495  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 106 Resp: 843150  
Ion Ratio Lower Upper  
106 100  
91 201.7 142.6 264.8

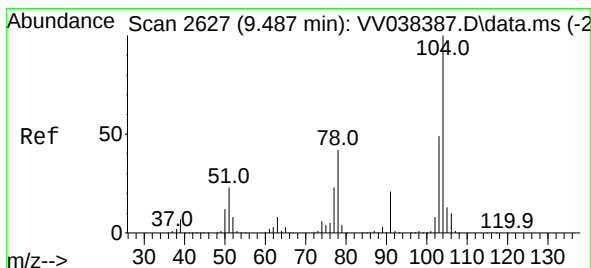
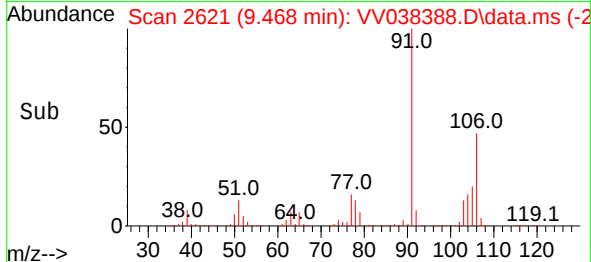
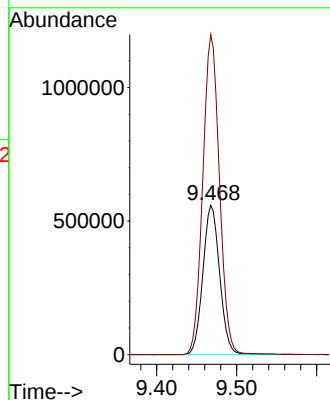
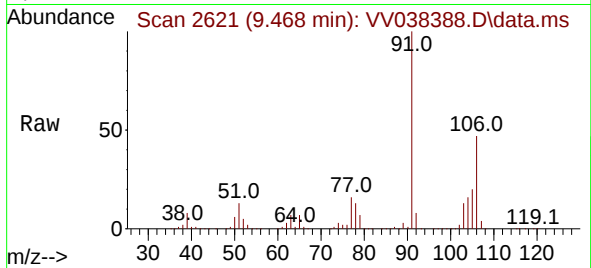




#54  
o-Xylene  
Concen: 116.243 ug/L  
RT: 9.468 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

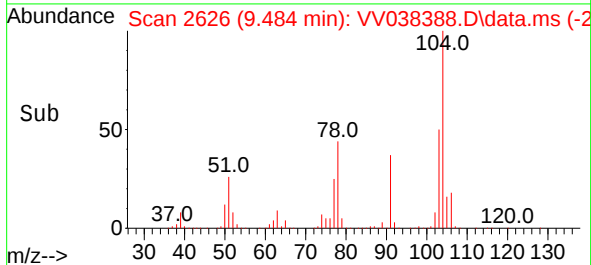
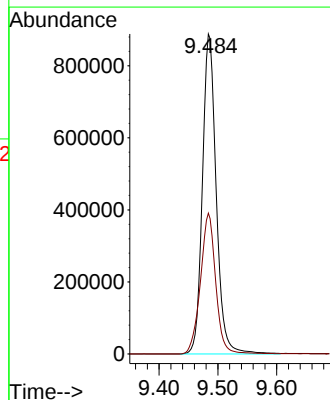
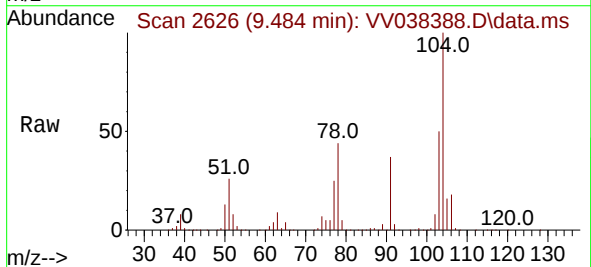
Instrument :  
MSVOA\_V  
ClientSampleId :

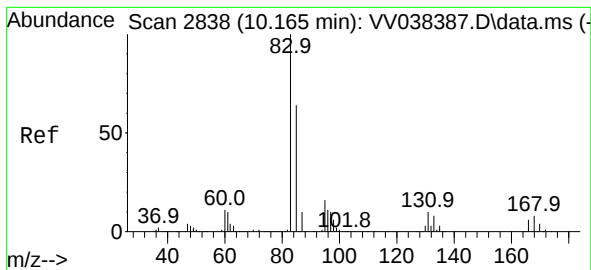
Tgt Ion:106 Resp: 815545  
Ion Ratio Lower Upper  
106 100  
91 214.0 151.1 280.7



#55  
Styrene  
Concen: 117.495 ug/L  
RT: 9.484 min Scan# 2626  
Delta R.T. -0.003 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion:104 Resp: 1447208  
Ion Ratio Lower Upper  
104 100  
78 44.0 29.7 55.1

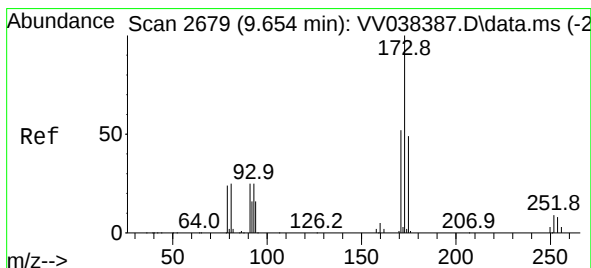
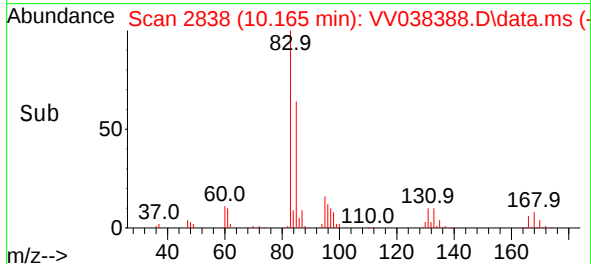
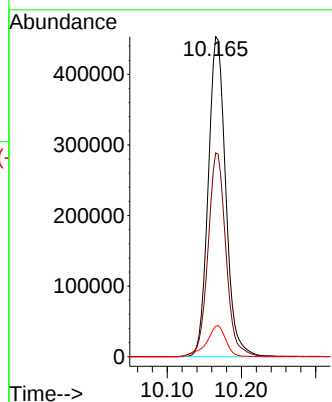
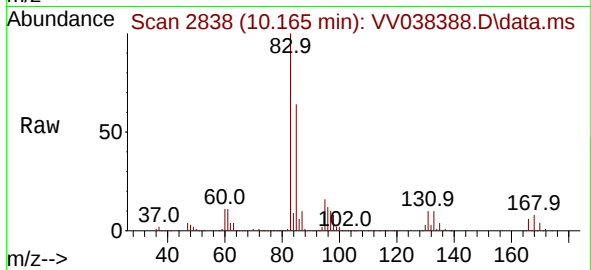




#57  
1,1,2,2-Tetrachloroethane  
Concen: 102.429 ug/L  
RT: 10.165 min Scan# 2838  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

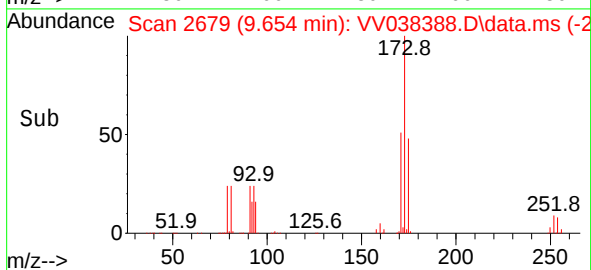
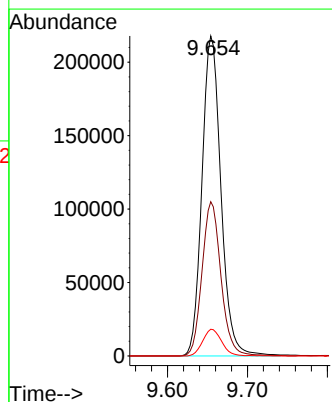
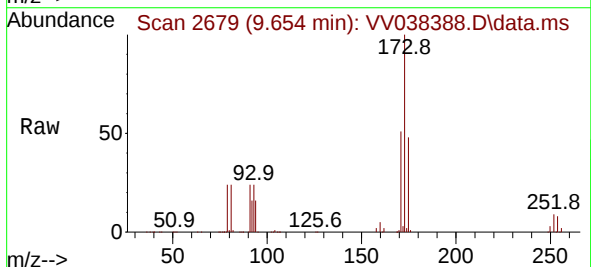
Instrument :  
MSVOA\_V  
ClientSampleId :

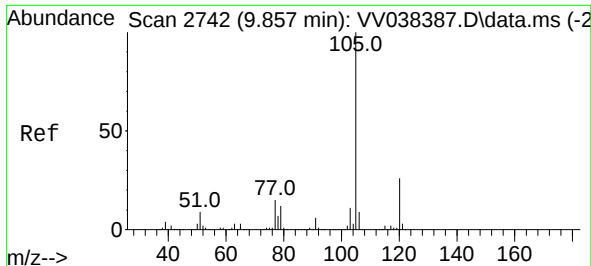
Tgt Ion: 83 Resp: 741163  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.7 82.9  
131 9.6 8.0 12.0



#59  
Bromoform  
Concen: 105.482 ug/L  
RT: 9.654 min Scan# 2679  
Delta R.T. 0.000 min  
Lab File: VV038388.D  
Acq: 02 Dec 2024 12:59

Tgt Ion: 173 Resp: 360566  
Ion Ratio Lower Upper  
173 100  
175 48.1 38.8 58.2  
254 8.3 6.9 10.3





#60

Isopropylbenzene

Concen: 112.492 ug/L

RT: 9.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

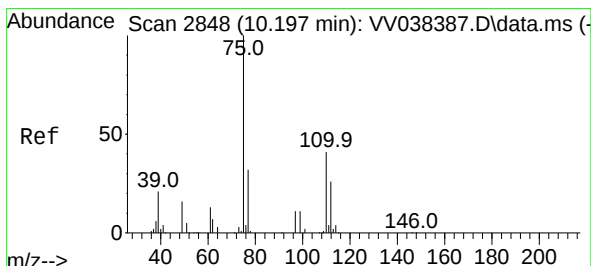
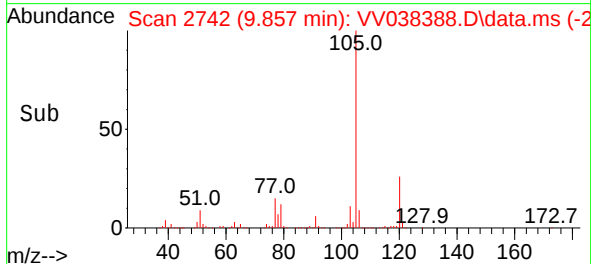
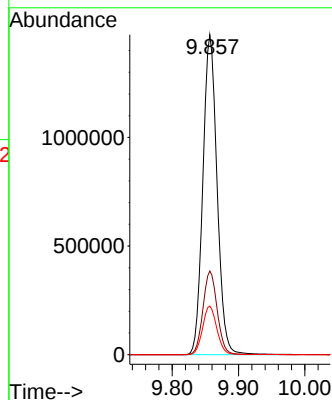
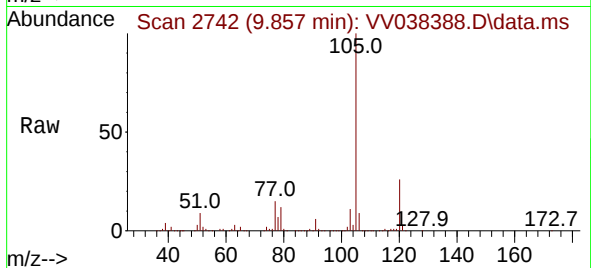
Tgt Ion:105 Resp: 2187317

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 15.3 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 98.271 ug/L

RT: 10.197 min Scan# 2848

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

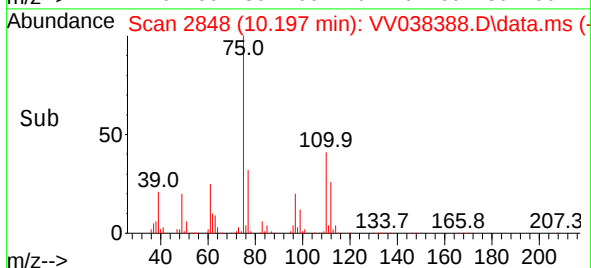
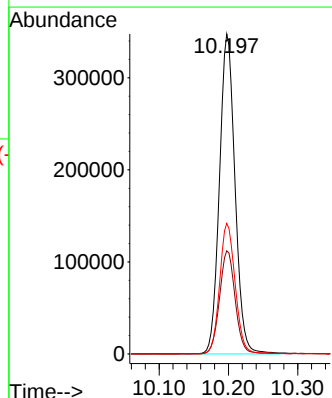
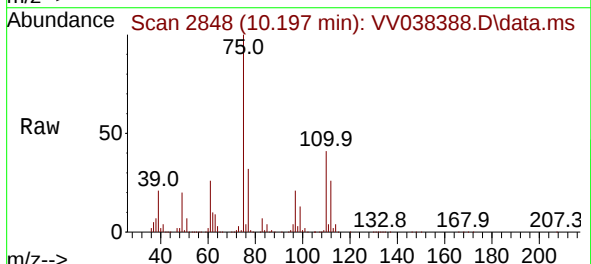
Tgt Ion: 75 Resp: 543982

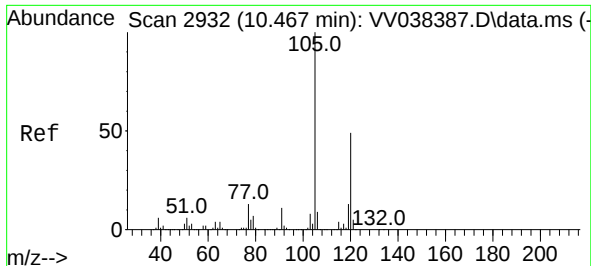
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

110 40.9 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 116.471 ug/L

RT: 10.464 min Scan# 2932

Delta R.T. -0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

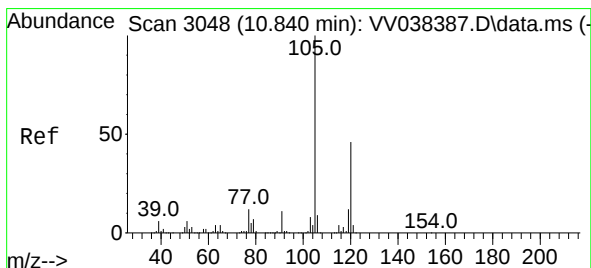
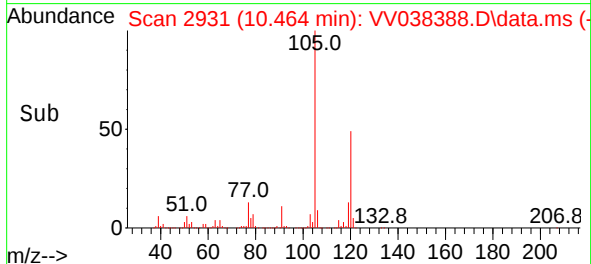
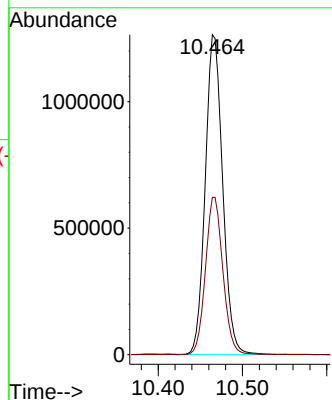
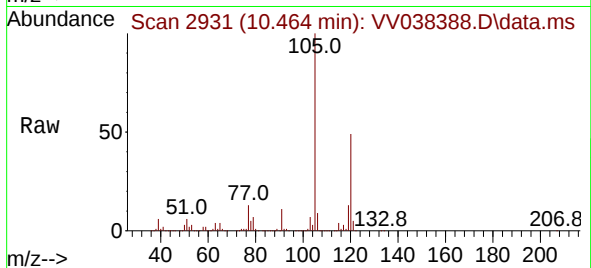
ClientSampleId :

Tgt Ion:105 Resp: 1817158

Ion Ratio Lower Upper

105 100

120 49.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 118.491 ug/L

RT: 10.841 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VV038388.D

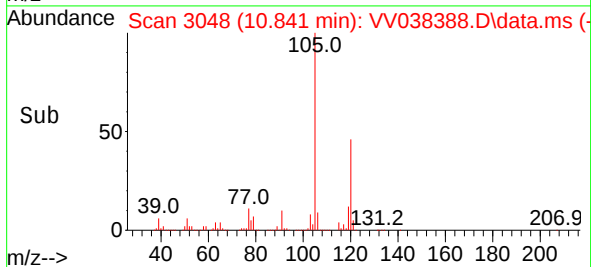
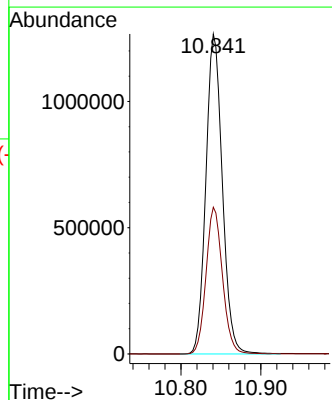
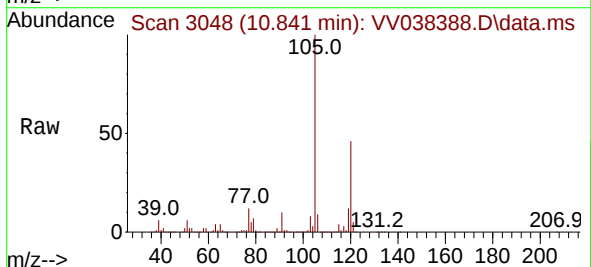
Acq: 02 Dec 2024 12:59

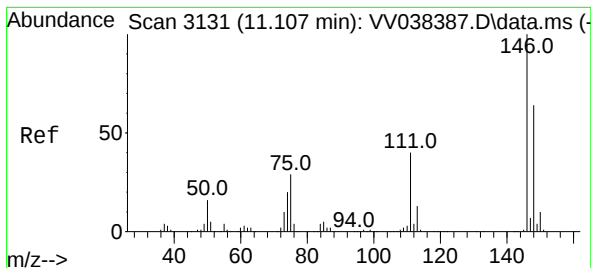
Tgt Ion:105 Resp: 1817371

Ion Ratio Lower Upper

105 100

120 45.7 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 104.395 ug/L

RT: 11.107 min Scan# 3131

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

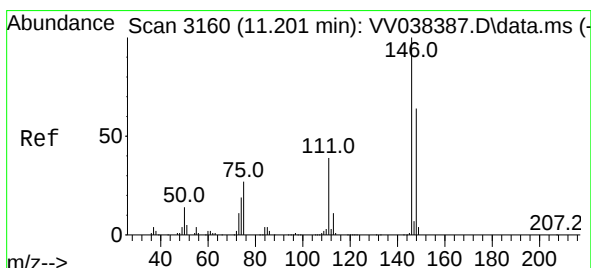
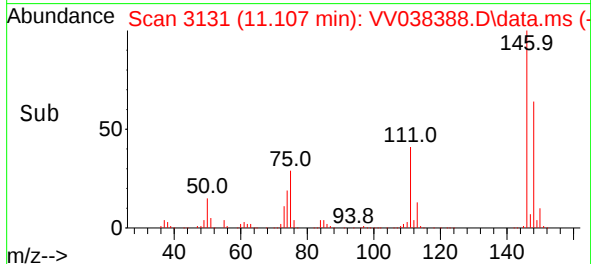
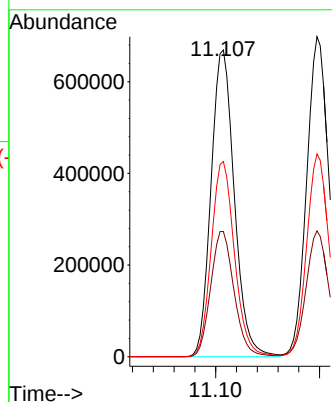
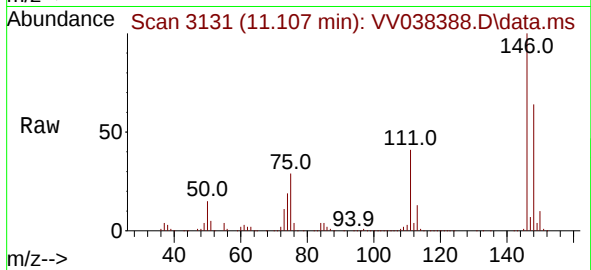
Tgt Ion:146 Resp: 1041950

Ion Ratio Lower Upper

146 100

111 40.8 27.8 51.6

148 63.6 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 101.468 ug/L

RT: 11.197 min Scan# 3159

Delta R.T. -0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

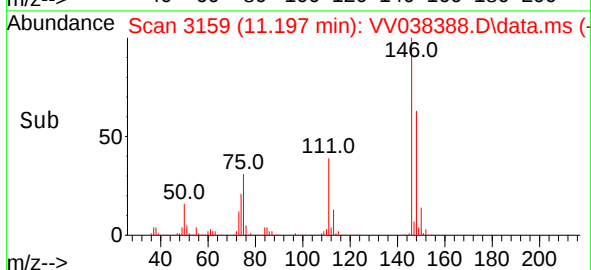
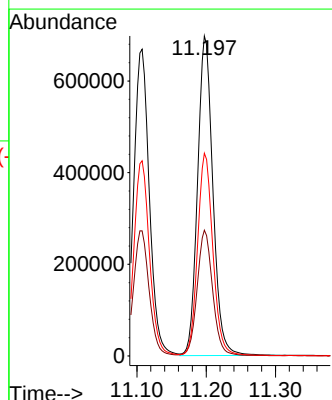
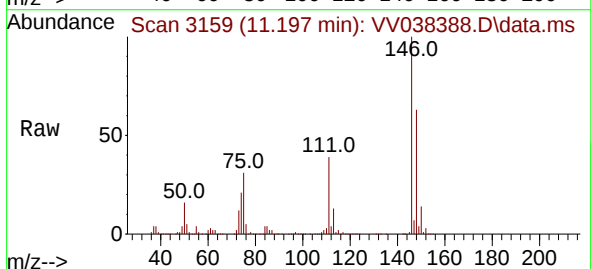
Tgt Ion:146 Resp: 1076595

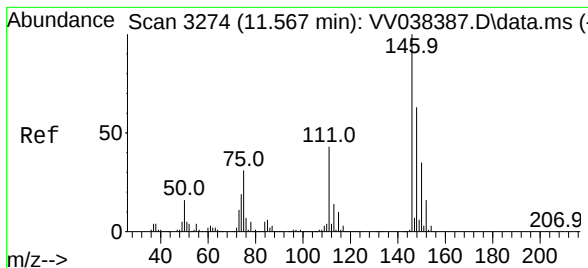
Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.4

148 63.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 102.169 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

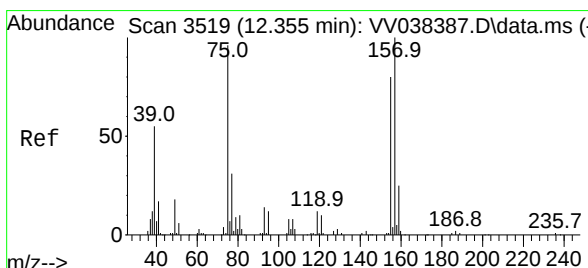
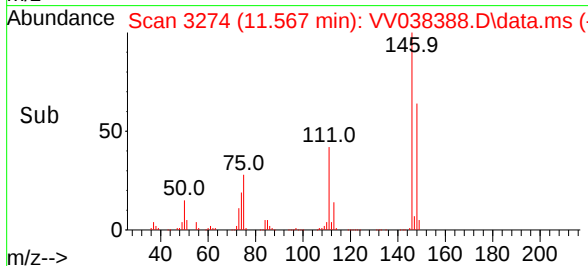
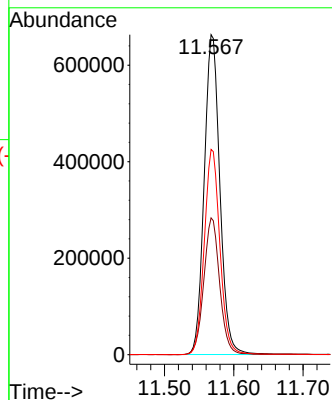
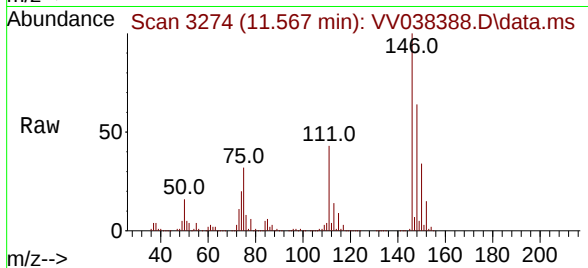
Tgt Ion:146 Resp: 1039614

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.2

148 64.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 104.831 ug/L

RT: 12.352 min Scan# 3518

Delta R.T. -0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

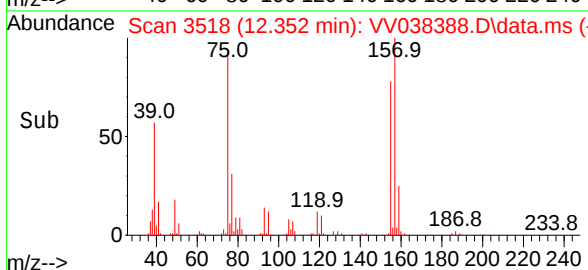
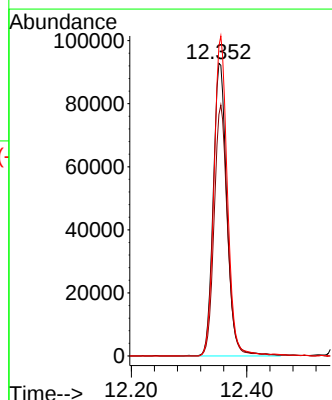
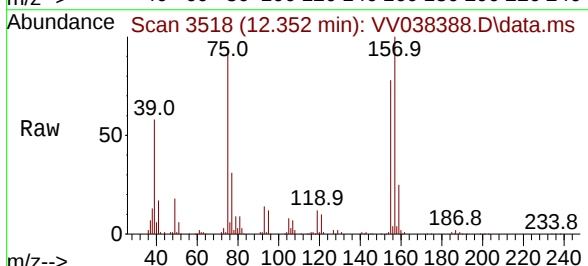
Tgt Ion: 75 Resp: 152942

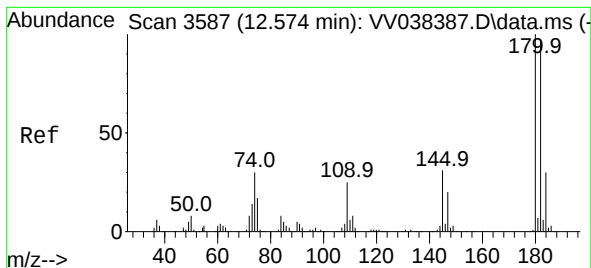
Ion Ratio Lower Upper

75 100

155 82.5 66.8 100.2

157 105.9 83.4 125.2





#69

1,3,5-Trichlorobenzene

Concen: 106.362 ug/L

RT: 12.570 min Scan# 3587

Delta R.T. -0.003 min

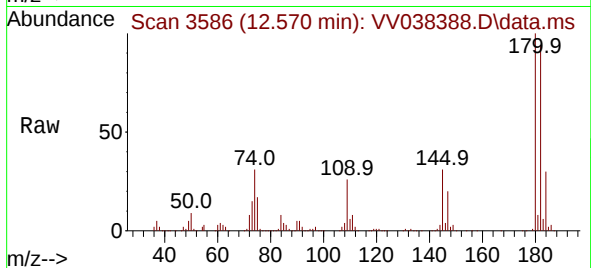
Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 724069

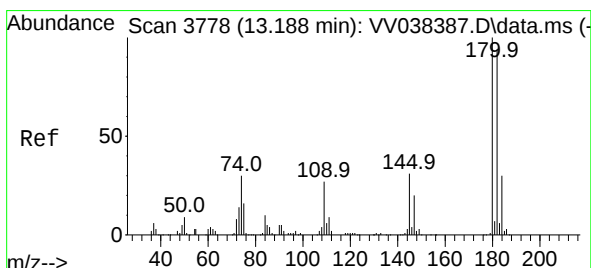
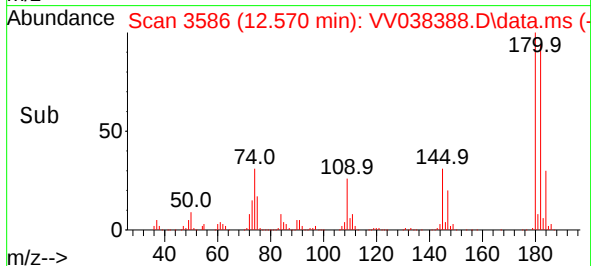
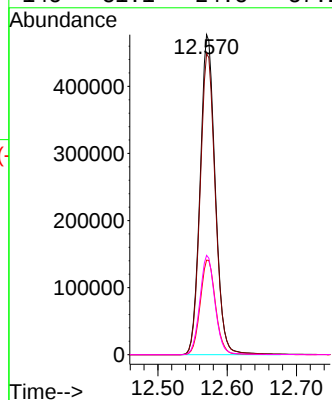
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 29.9 23.8 35.6

145 31.1 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 114.760 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

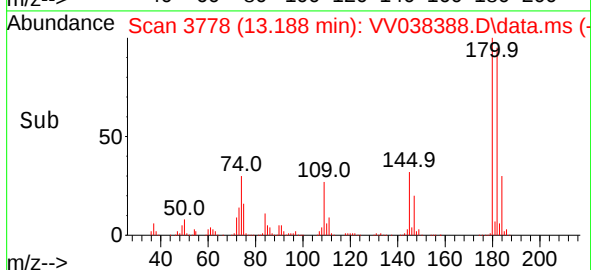
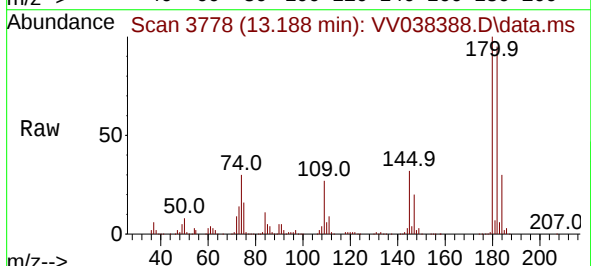
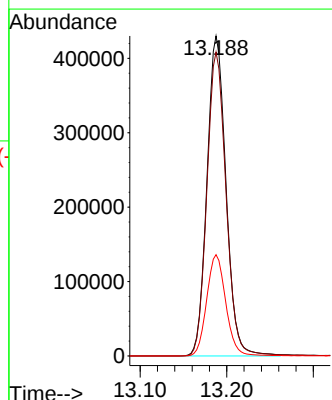
Tgt Ion:180 Resp: 658177

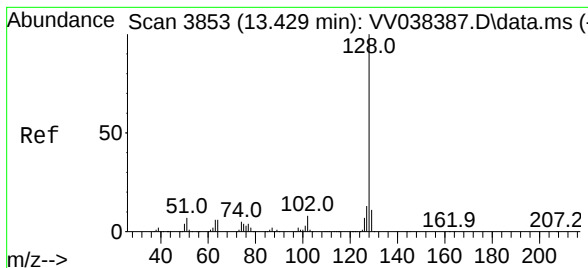
Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

145 31.7 24.7 37.1





#71

Naphthalene

Concen: 122.435 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.003 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Instrument :

MSVOA\_V

ClientSampleId :

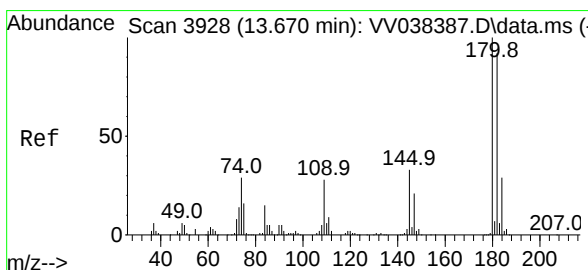
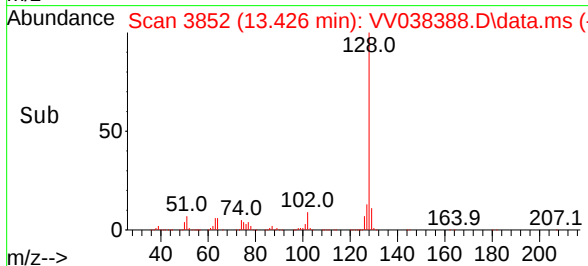
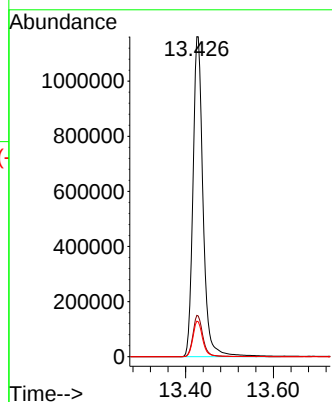
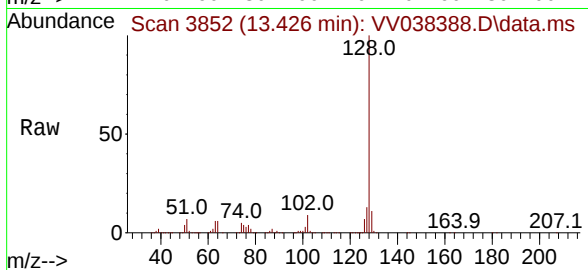
Tgt Ion:128 Resp: 1856828

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 114.804 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. 0.000 min

Lab File: VV038388.D

Acq: 02 Dec 2024 12:59

Tgt Ion:180 Resp: 645971

Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.6

145 33.4 27.1 40.7

