

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111623\  
 Data File : VD077580.D  
 Acq On : 16 Nov 2023 08:24  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 17 00:29:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 02:07:44 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 294625   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 272862   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 137086   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 142147   | 18.966   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.880%  |
| 7) Chloroethane-d5            | 2.811  | 69    | 125032   | 21.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.960%  |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 65    | 45398    | 19.589   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.360%  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 65143    | 50.202   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.400% |
| 24) Chloroform-d              | 7.569  | 84    | 201046   | 23.622   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.480%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 109591   | 24.207   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.840%  |
| 32) Benzene-d6                | 8.204  | 84    | 391401   | 22.101   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 88.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 128291   | 22.240   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.960%  |
| 41) Toluene-d8                | 10.269 | 98    | 351647   | 21.974   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.880%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 56843    | 22.854   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.400%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 52010    | 50.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 101017   | 26.431   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.720% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 113281   | 23.228   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 92.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 108288   | 22.822   | ug/L   | 99       |
| 3) Chloromethane              | 2.152  | 50    | 161996   | 23.731   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.293  | 62    | 178934   | 23.223   | ug/L   | 98       |
| 6) Bromomethane               | 2.705  | 94    | 102073   | 24.884   | ug/L   | 95       |
| 8) Chloroethane               | 2.846  | 64    | 117191   | 24.465   | ug/L   | 90       |
| 9) Trichlorofluoromethane     | 3.181  | 101   | 177306   | 25.286   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 107509   | 24.915   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 3.946  | 96    | 98883    | 23.601   | ug/L   | 97       |
| 13) Acetone                   | 4.022  | 43    | 74731    | 54.789   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.281  | 76    | 332927   | 22.068   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.575  | 43    | 54526    | 24.299   | ug/L   | 99       |
| 16) Methylene chloride        | 4.805  | 84    | 107012   | 21.512   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.322  | 96    | 103888   | 23.572   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 257944   | 24.936   | ug/L # | 86       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 217431   | 24.589   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 117475   | 24.534   | ug/L   | 98       |
| 22) 2-Butanone                | 7.087  | 43    | 82649    | 50.360   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.428  | 128   | 48554    | 25.236   | ug/L   | 94       |
| 25) Chloroform                | 7.598  | 83    | 204029   | 25.117   | ug/L   | 98       |

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 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 02:07:44 2023  
 Response via : Initial Calibration

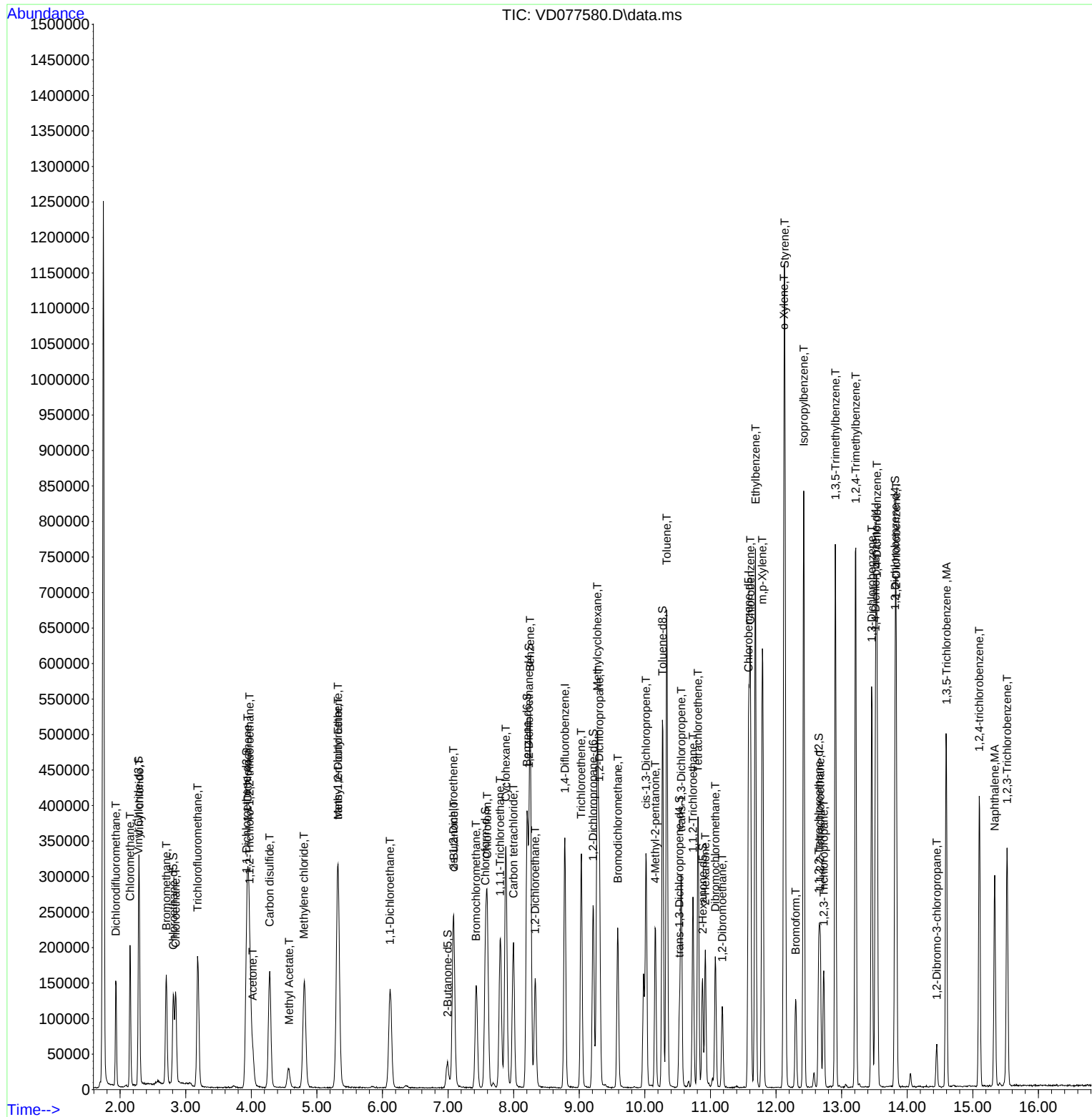
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 136948   | 25.432 | ug/L   | 100      |
| 29) Cyclohexane               | 7.881  | 56   | 199242   | 22.489 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 176999   | 24.779 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.998  | 117  | 151459   | 24.672 | ug/L   | 97       |
| 33) Benzene                   | 8.251  | 78   | 458397   | 24.226 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 111891   | 23.864 | ug/L   | 88       |
| 35) Methylcyclohexane         | 9.275  | 83   | 196685   | 23.246 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 128706   | 24.467 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 149172   | 24.723 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 196431   | 24.301 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 162203   | 50.600 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 486630   | 24.495 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 167366   | 25.058 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 80518    | 25.041 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 84223    | 24.413 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 127758   | 50.281 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 92639    | 25.363 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 76156    | 24.767 | ug/L   | 99       |
| 51) Chlorobenzene             | 11.610 | 112  | 292270   | 25.112 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 540314   | 24.718 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.792 | 106  | 198079   | 24.902 | ug/L   | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 189658   | 24.895 | ug/L   | 97       |
| 55) Styrene                   | 12.134 | 104  | 334309   | 25.132 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 98208    | 25.927 | ug/L   | 98       |
| 59) Bromoform                 | 12.298 | 173  | 57062    | 24.414 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.422 | 105  | 523026   | 23.587 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 69031    | 23.640 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 395877   | 23.524 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 410110   | 24.057 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 217090   | 23.864 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 221635   | 24.142 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.833 | 146  | 194018   | 24.124 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 14432    | 22.722 | ug/L # | 76       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 149849   | 24.192 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 127083   | 24.344 | ug/L   | 99       |
| 71) Naphthalene               | 15.333 | 128  | 241951   | 24.593 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 111887   | 25.136 | ug/L   | 98       |

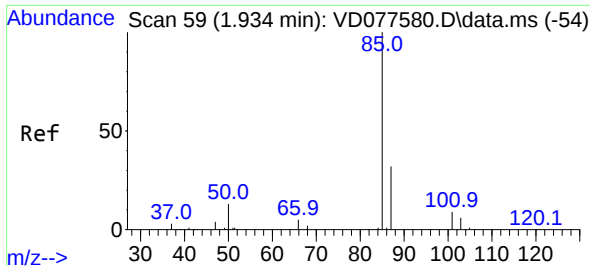
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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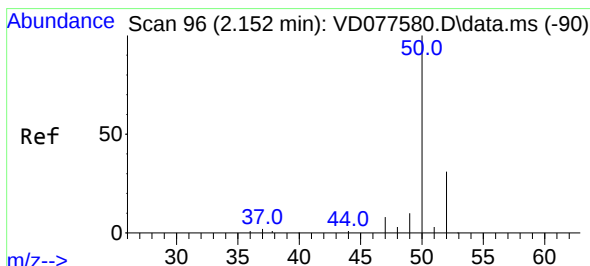
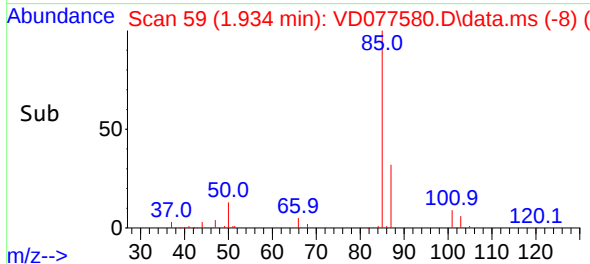
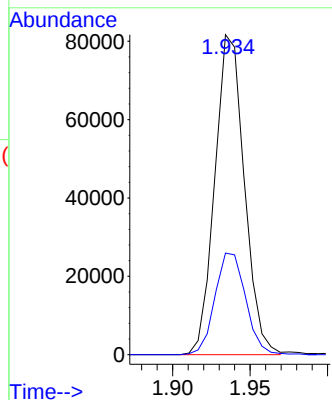
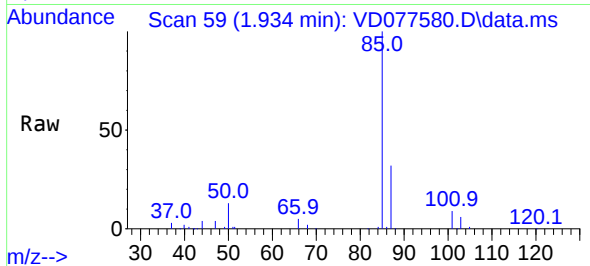




#2  
Dichlorodifluoromethane  
Concen: 22.822 ug/L  
RT: 1.934 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

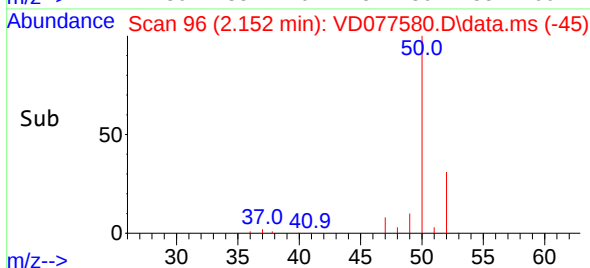
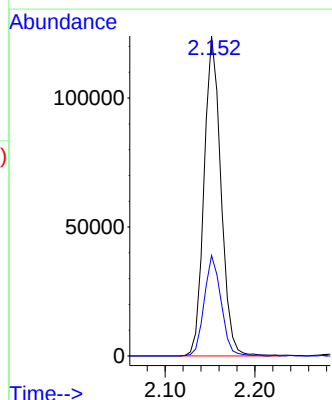
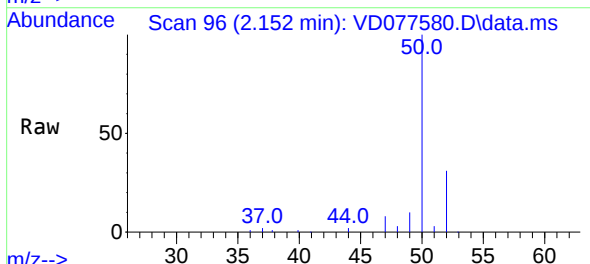
Instrument :  
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ClientSampleId :

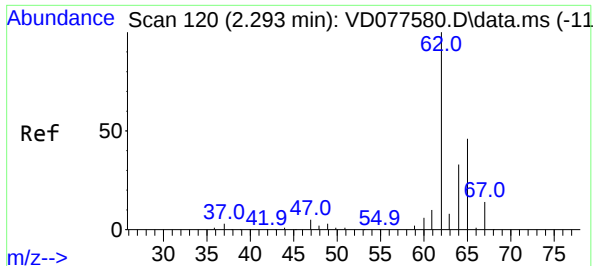
Tgt Ion: 85 Resp: 108288  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.2 39.2



#3  
Chloromethane  
Concen: 23.731 ug/L  
RT: 2.152 min Scan# 96  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 50 Resp: 161996  
Ion Ratio Lower Upper  
50 100  
52 31.4 22.1 41.1

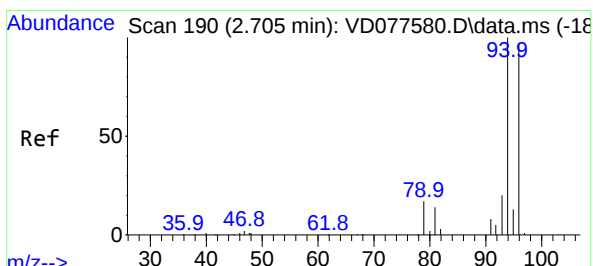
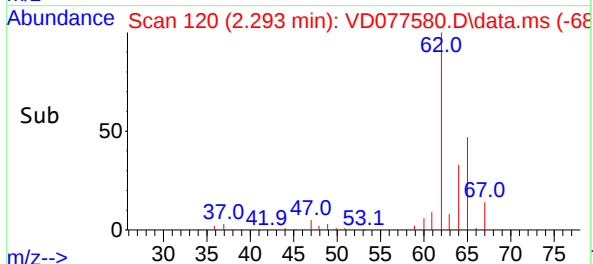
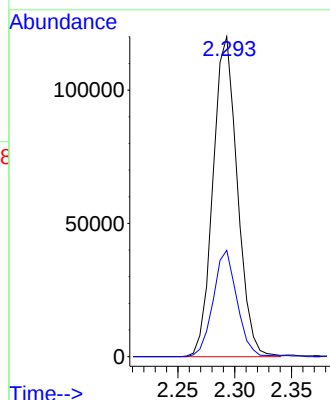
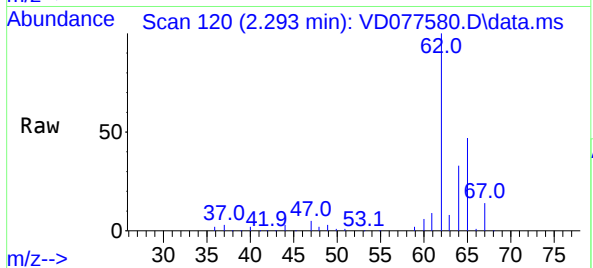




#5  
 Vinyl chloride  
 Concen: 23.223 ug/L  
 RT: 2.293 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VD077580.D  
 Acq: 16 Nov 2023 08:24

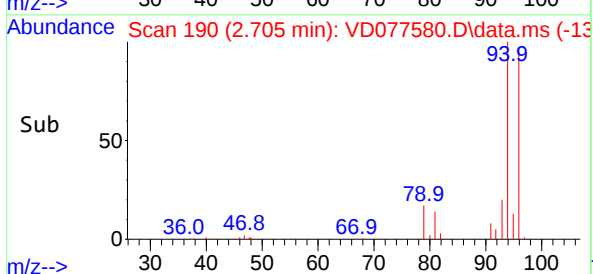
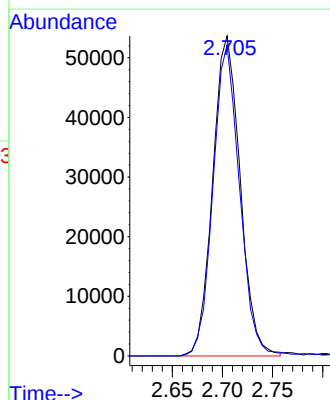
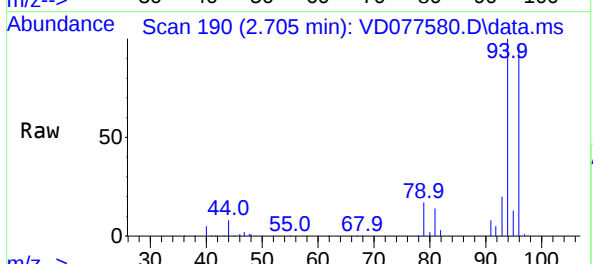
Instrument :  
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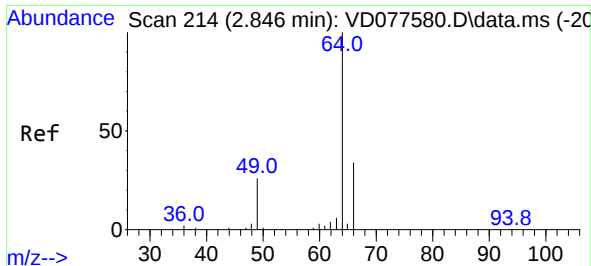
Tgt Ion: 62 Resp: 178934  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.9 44.5



#6  
 Bromomethane  
 Concen: 24.884 ug/L  
 RT: 2.705 min Scan# 190  
 Delta R.T. 0.006 min  
 Lab File: VD077580.D  
 Acq: 16 Nov 2023 08:24

Tgt Ion: 94 Resp: 102073  
 Ion Ratio Lower Upper  
 94 100  
 96 97.2 64.5 119.9

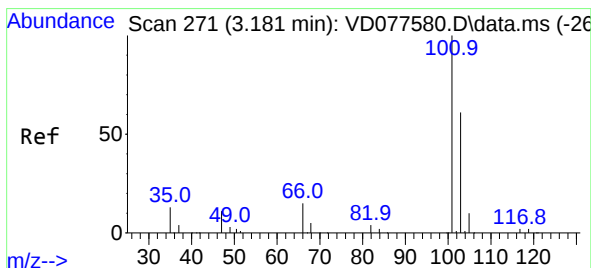
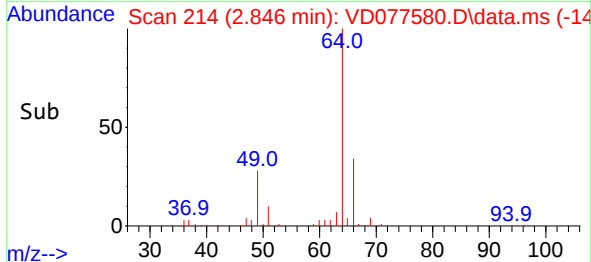
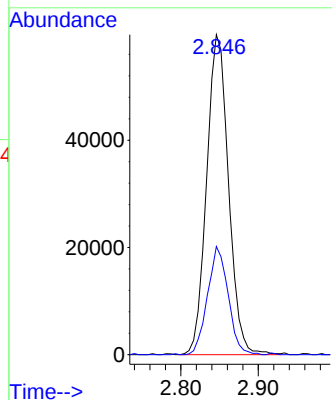
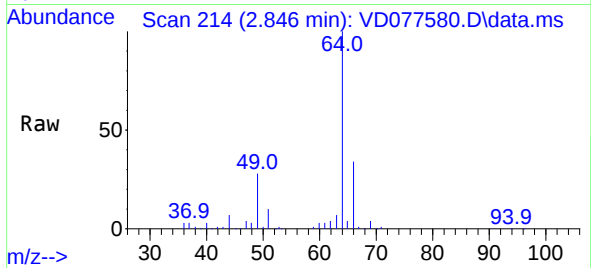




#8  
Chloroethane  
Concen: 24.465 ug/L  
RT: 2.846 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

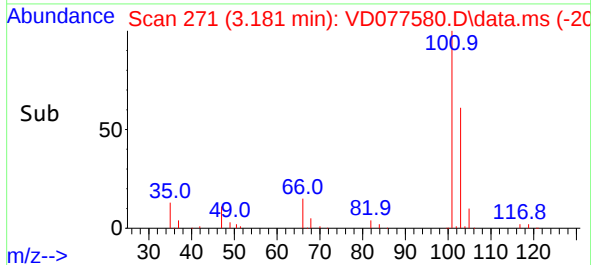
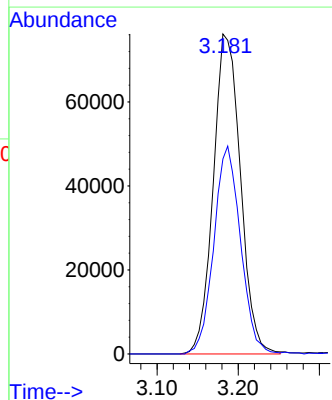
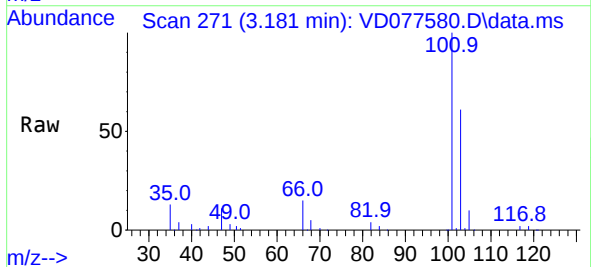
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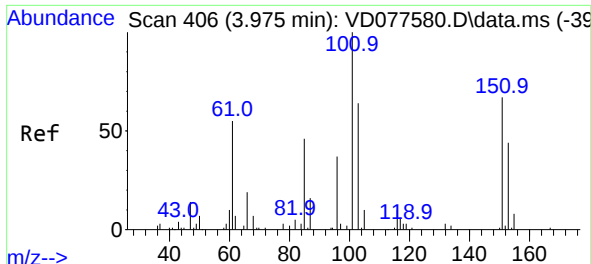
Tgt Ion: 64 Resp: 117191  
Ion Ratio Lower Upper  
64 100  
66 33.8 19.8 36.8



#9  
Trichlorofluoromethane  
Concen: 25.286 ug/L  
RT: 3.181 min Scan# 271  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:101 Resp: 177306  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.9 77.9

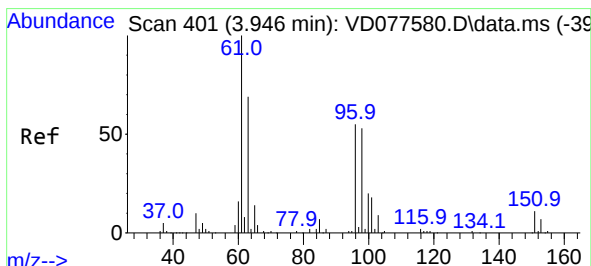
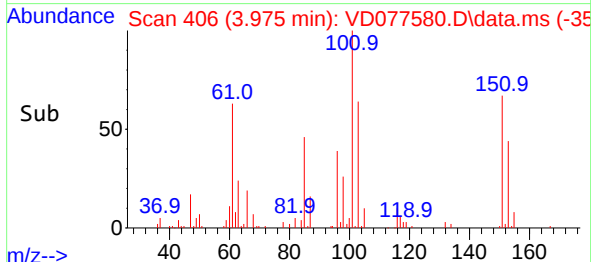
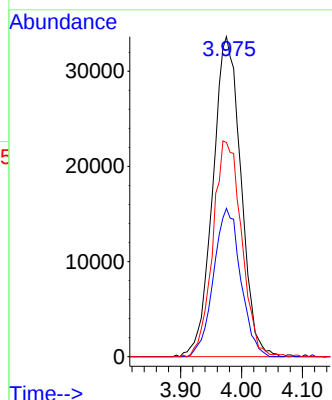
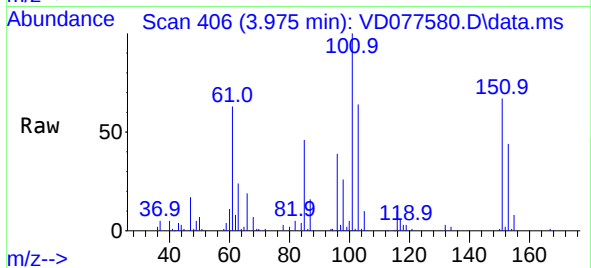




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 24.915 ug/L  
RT: 3.975 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

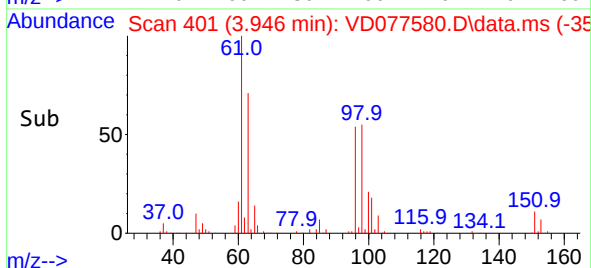
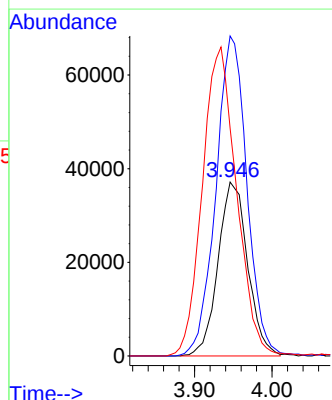
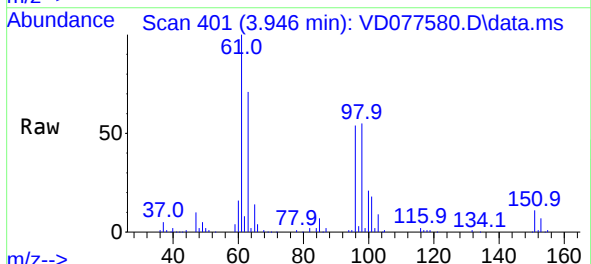
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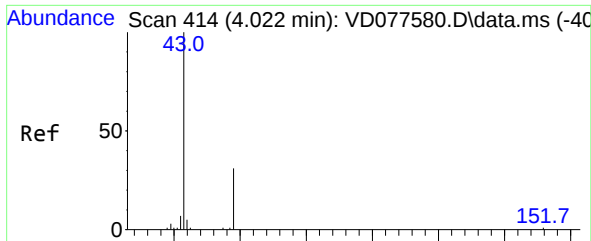
Tgt Ion:101 Resp: 107509  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.8 55.2  
151 68.5 56.6 84.8



#12  
1,1-Dichloroethene  
Concen: 23.601 ug/L  
RT: 3.946 min Scan# 401  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 96 Resp: 98883  
Ion Ratio Lower Upper  
96 100  
61 183.9 127.5 236.9  
63 130.9 86.4 160.4





#13

Acetone

Concen: 54.789 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

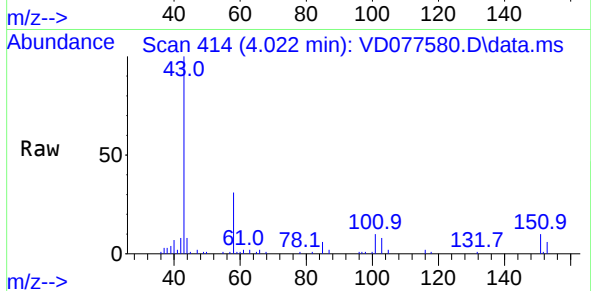
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Instrument :

MSVOA\_D

ClientSampleId :

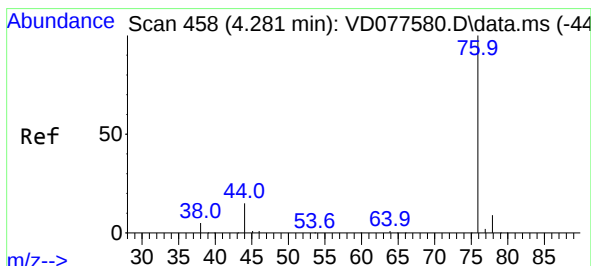
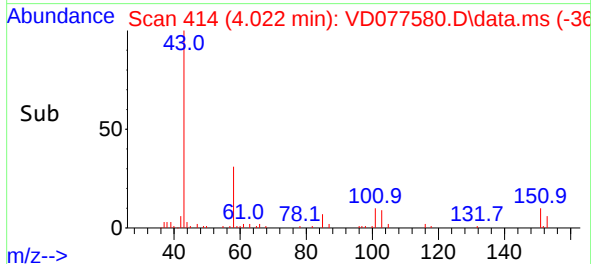
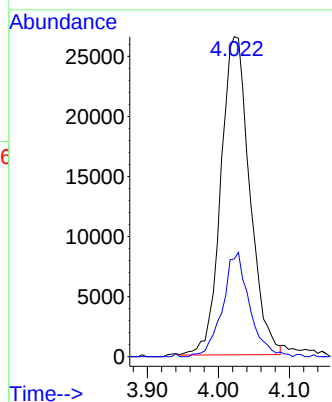


Tgt Ion: 43 Resp: 74731

Ion Ratio Lower Upper

43 100

58 30.5 0.0 64.0



#14

Carbon disulfide

Concen: 22.068 ug/L

RT: 4.281 min Scan# 458

Delta R.T. 0.006 min

Lab File: VD077580.D

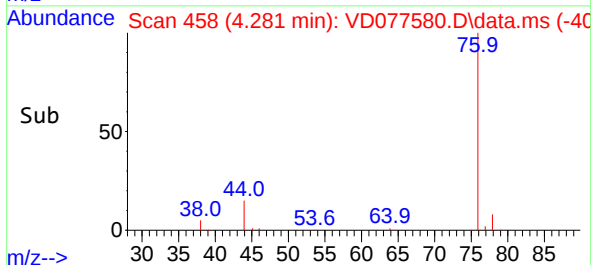
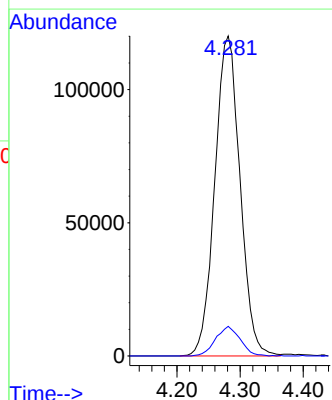
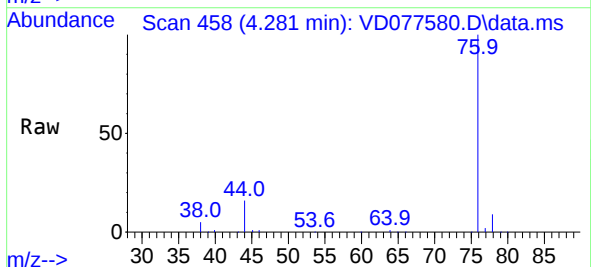
Acq: 16 Nov 2023 08:24

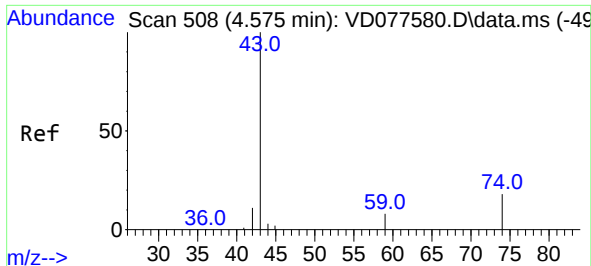
Tgt Ion: 76 Resp: 332927

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3

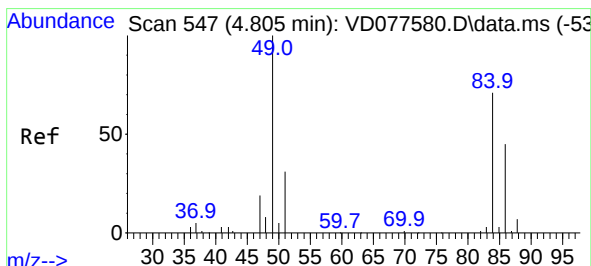
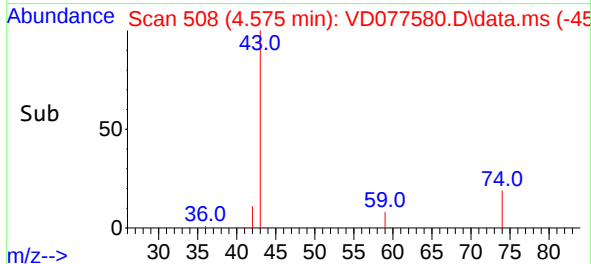
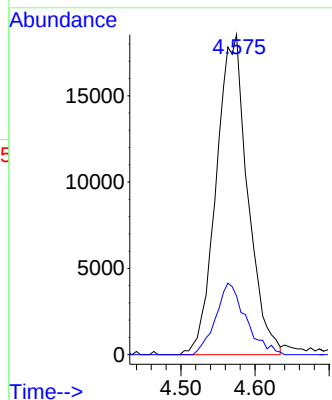
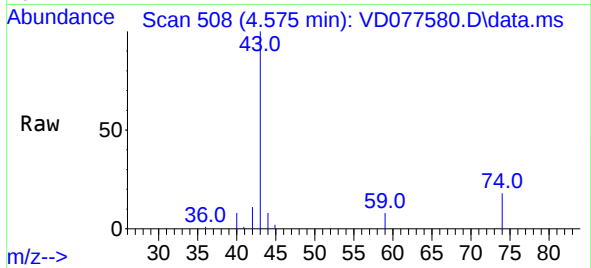




#15  
Methyl Acetate  
Concen: 24.299 ug/L  
RT: 4.575 min Scan# 508  
Delta R.T. 0.012 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

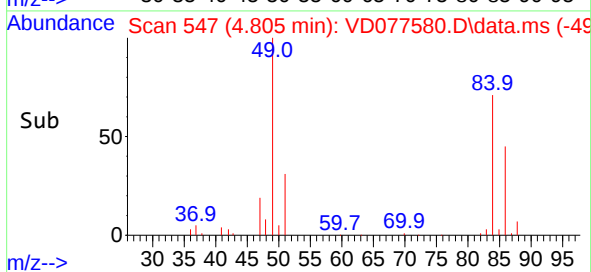
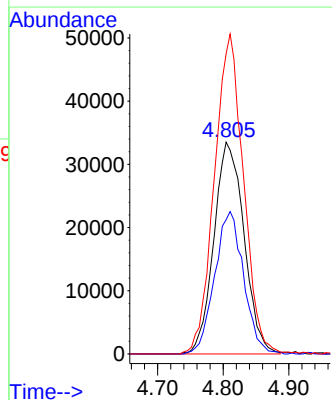
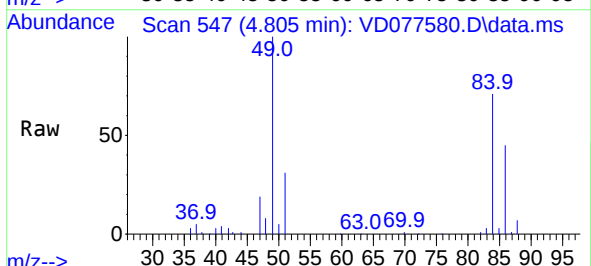
Instrument :  
MSVOA\_D  
ClientSampleId :

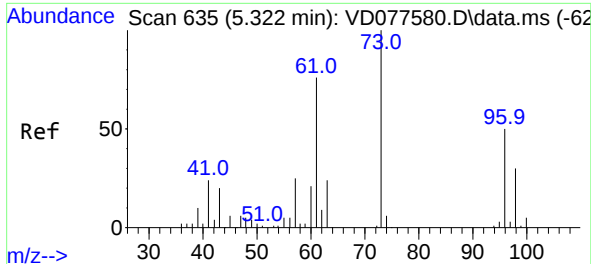
Tgt Ion: 43 Resp: 54526  
Ion Ratio Lower Upper  
43 100  
74 20.2 16.6 24.8



#16  
Methylene chloride  
Concen: 21.512 ug/L  
RT: 4.805 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

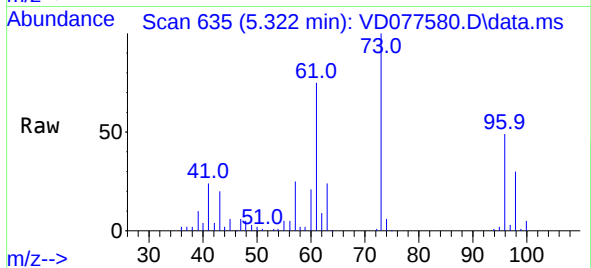
Tgt Ion: 84 Resp: 107012  
Ion Ratio Lower Upper  
84 100  
86 63.4 46.5 86.5  
49 141.6 98.3 182.7



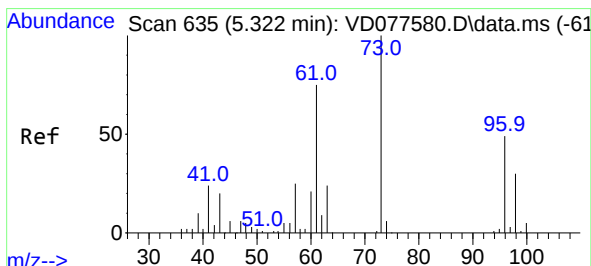
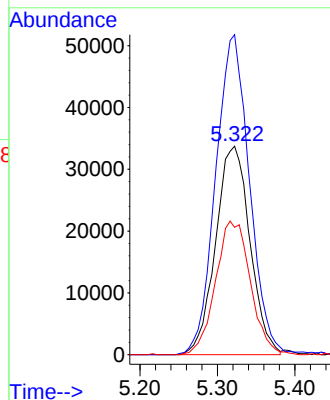
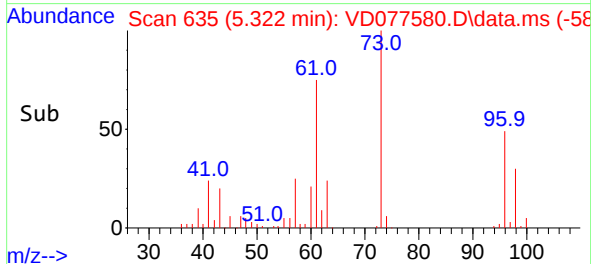


#17  
trans-1,2-Dichloroethene  
Concen: 23.572 ug/L  
RT: 5.322 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

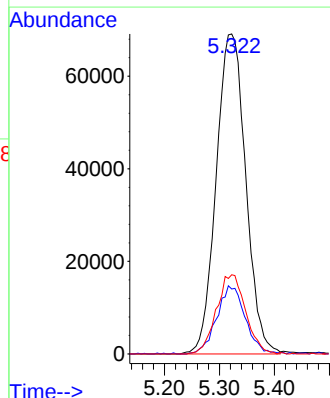
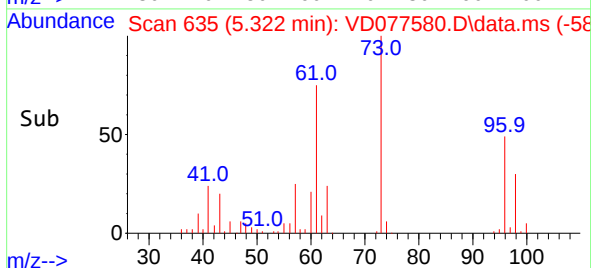
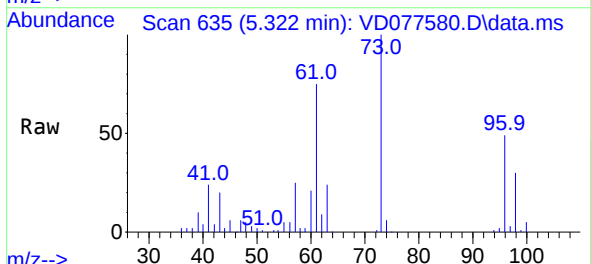


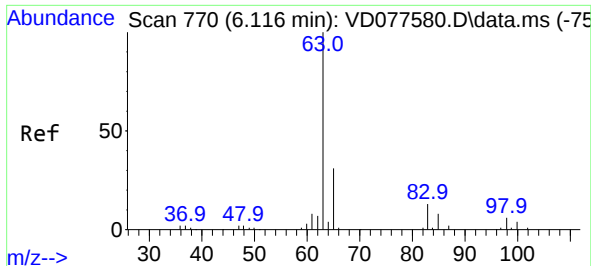
Tgt Ion: 96 Resp: 103888  
Ion Ratio Lower Upper  
96 100  
61 153.5 104.0 193.2  
98 61.1 43.1 80.1



#18  
Methyl tert-butyl Ether  
Concen: 24.936 ug/L  
RT: 5.322 min Scan# 635  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

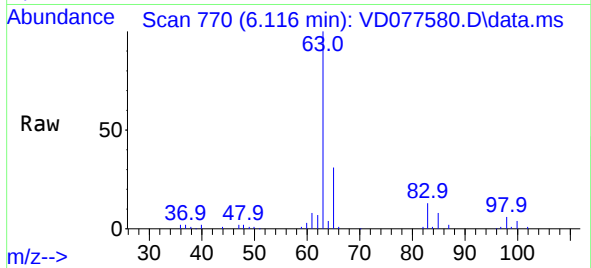
Tgt Ion: 73 Resp: 257944  
Ion Ratio Lower Upper  
73 100  
43 20.5 16.4 24.6  
57 11.3 19.3 28.9#



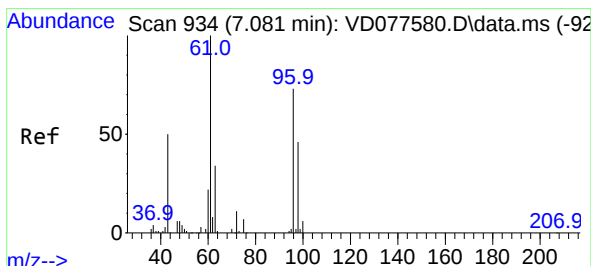
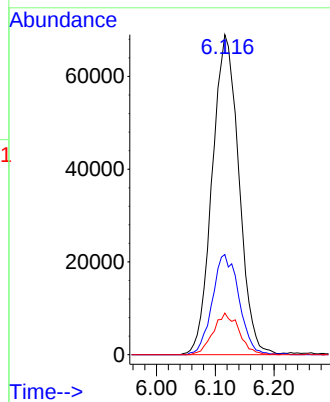
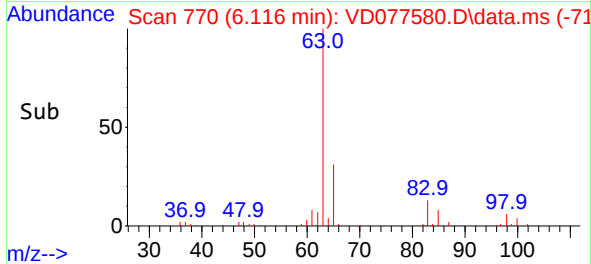


#19  
1,1-Dichloroethane  
Concen: 24.589 ug/L  
RT: 6.116 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

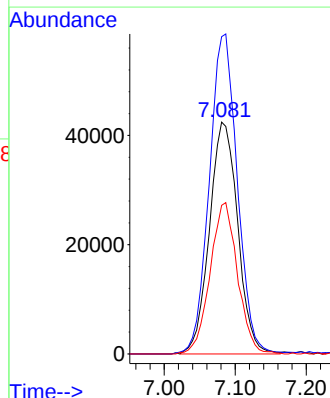
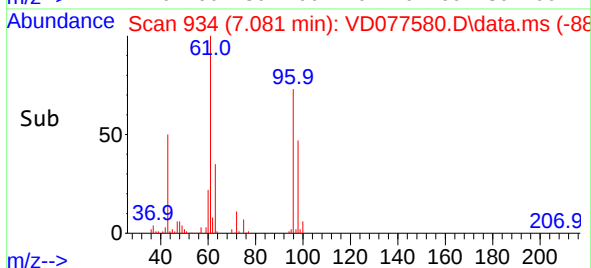
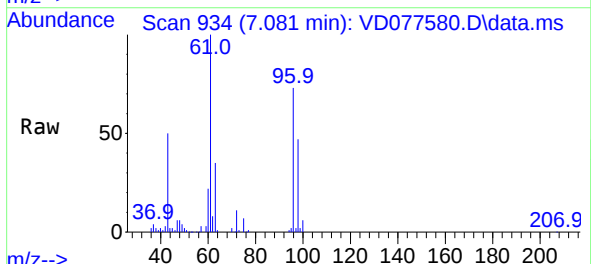


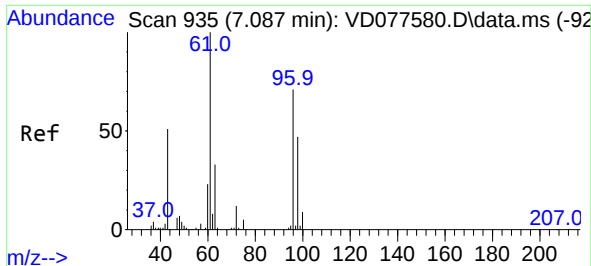
Tgt Ion: 63 Resp: 217431  
Ion Ratio Lower Upper  
63 100  
65 31.3 22.6 42.0  
83 13.0 8.8 16.3



#20  
cis-1,2-Dichloroethene  
Concen: 24.534 ug/L  
RT: 7.081 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 96 Resp: 117475  
Ion Ratio Lower Upper  
96 100  
61 136.9 95.0 176.4  
98 64.1 43.1 80.1

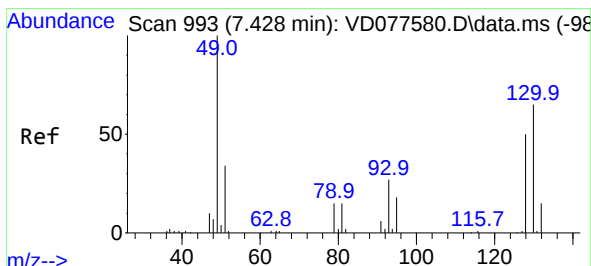
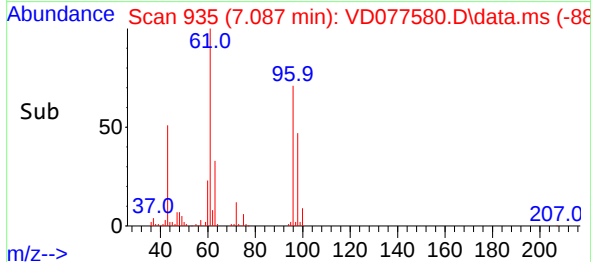
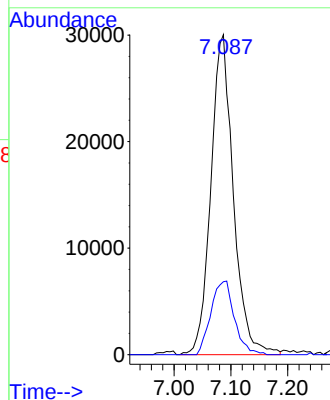
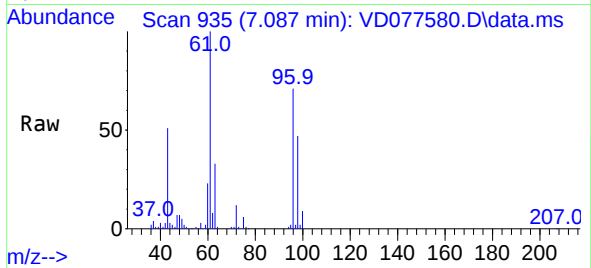




#22  
2-Butanone  
Concen: 50.360 ug/L  
RT: 7.087 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

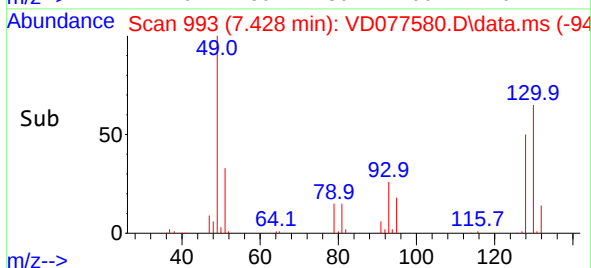
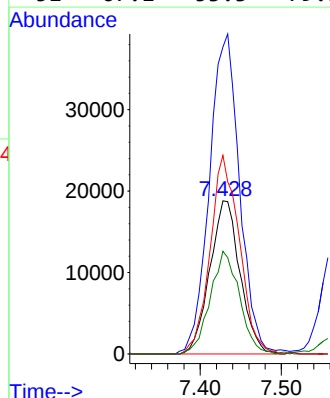
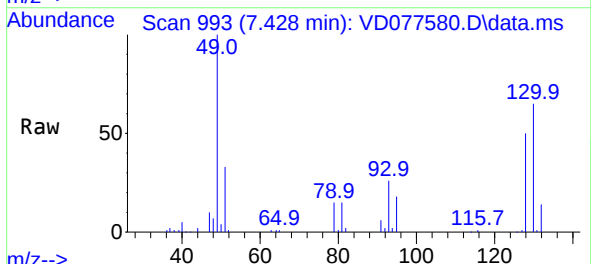
Instrument :  
MSVOA\_D  
ClientSampleId :

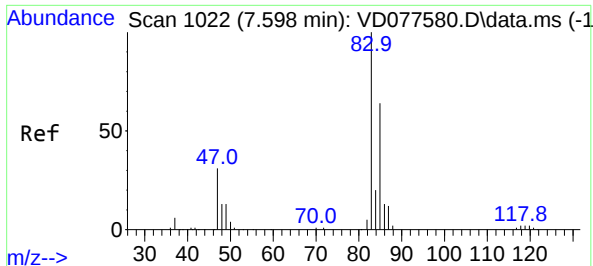
Tgt Ion: 43 Resp: 82649  
Ion Ratio Lower Upper  
43 100  
72 23.5 12.8 38.4



#23  
Bromochloromethane  
Concen: 25.236 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:128 Resp: 48554  
Ion Ratio Lower Upper  
128 100  
49 200.5 146.7 272.5  
130 129.7 83.2 154.6  
51 67.1 53.3 79.9





#25

Chloroform

Concen: 25.117 ug/L

RT: 7.598 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

Instrument :

MSVOA\_D

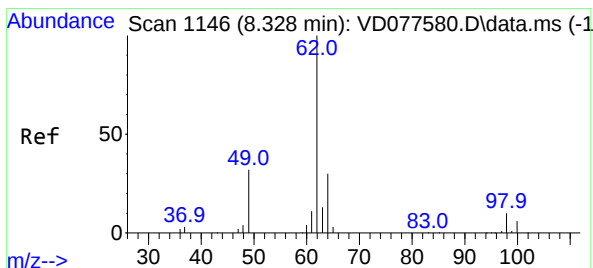
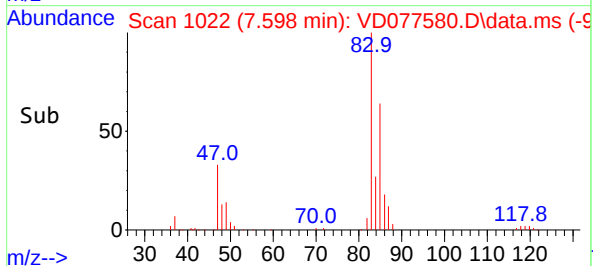
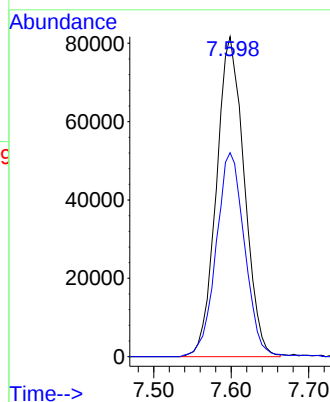
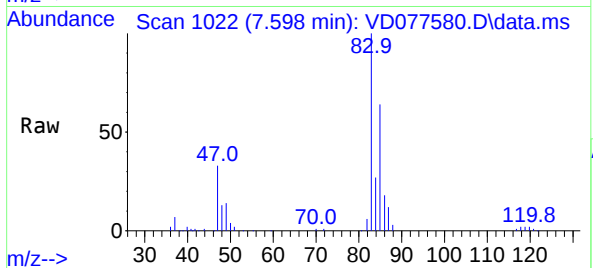
ClientSampleId :

Tgt Ion: 83 Resp: 204029

Ion Ratio Lower Upper

83 100

85 63.8 45.9 85.3



#27

1,2-Dichloroethane

Concen: 25.432 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077580.D

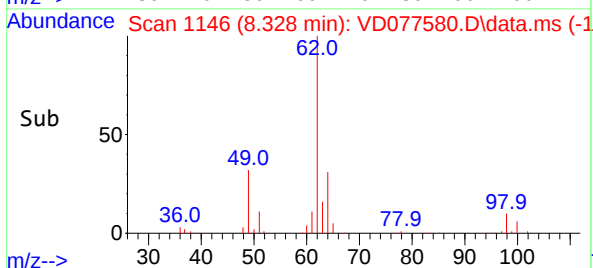
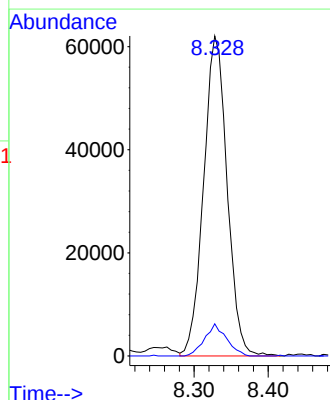
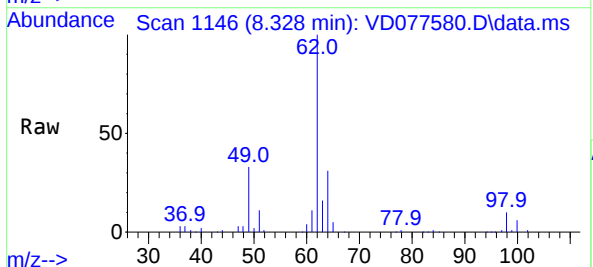
Acq: 16 Nov 2023 08:24

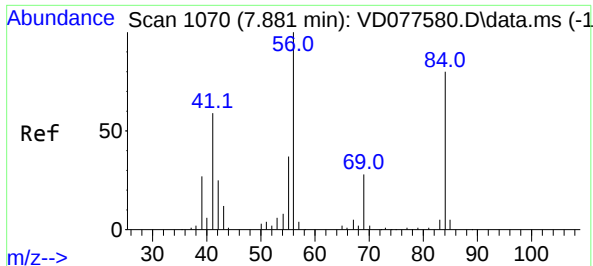
Tgt Ion: 62 Resp: 136948

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 22.489 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

Instrument :

MSVOA\_D

ClientSampleId :

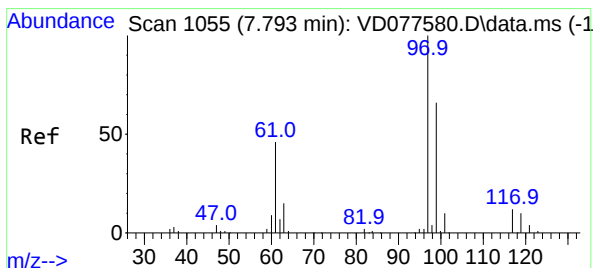
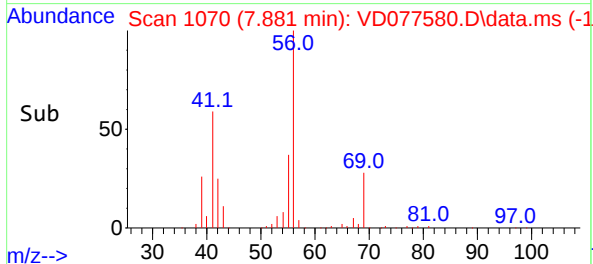
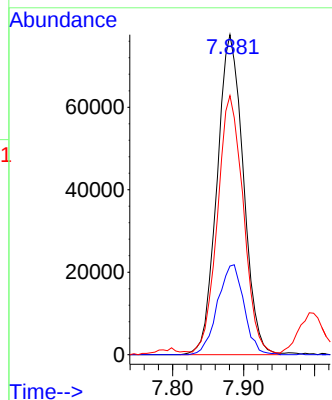
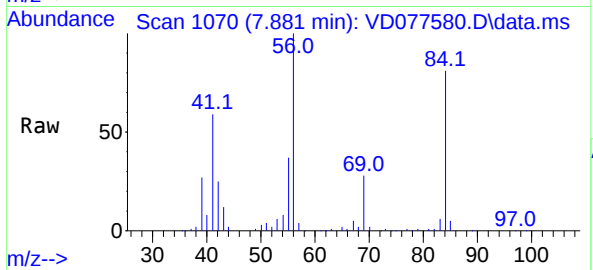
Tgt Ion: 56 Resp: 199242

Ion Ratio Lower Upper

56 100

69 28.3 22.6 33.8

84 79.8 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 24.779 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

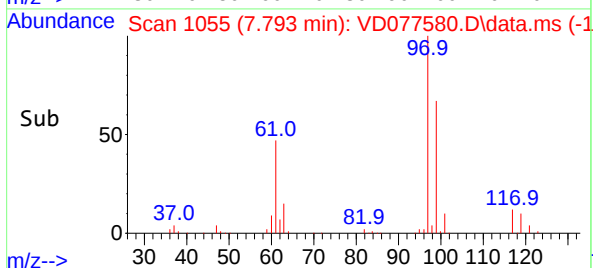
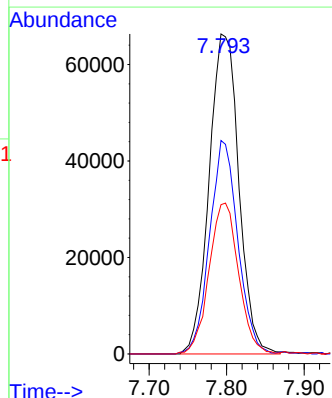
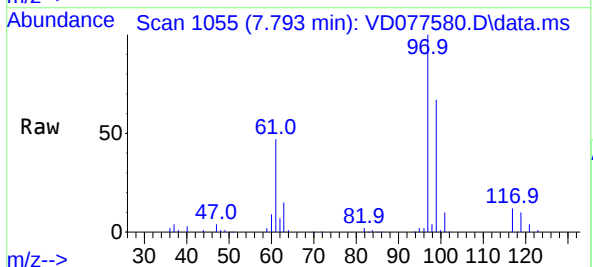
Tgt Ion: 97 Resp: 176999

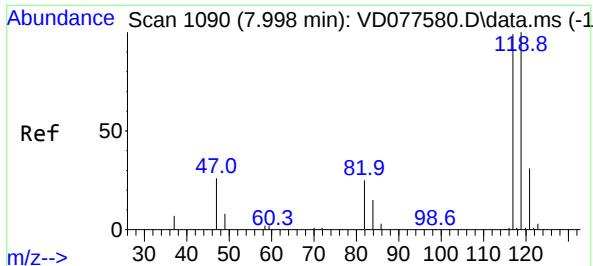
Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.2

61 46.9 38.1 57.1

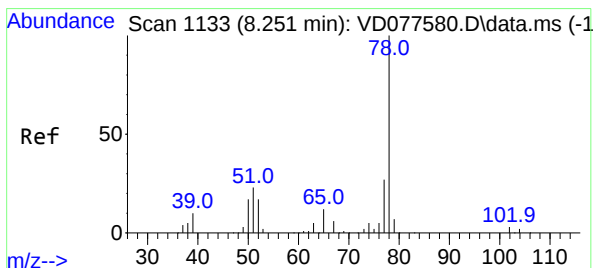
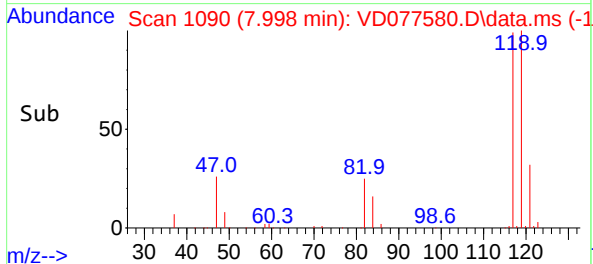
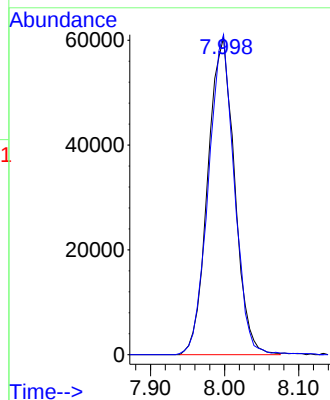
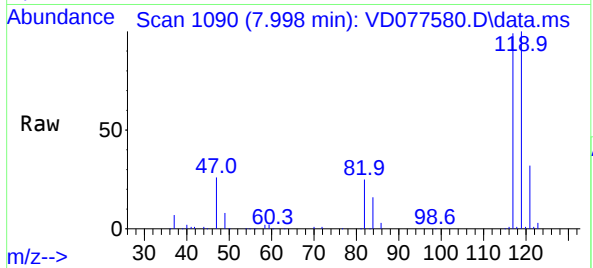




#31  
Carbon tetrachloride  
Concen: 24.672 ug/L  
RT: 7.998 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

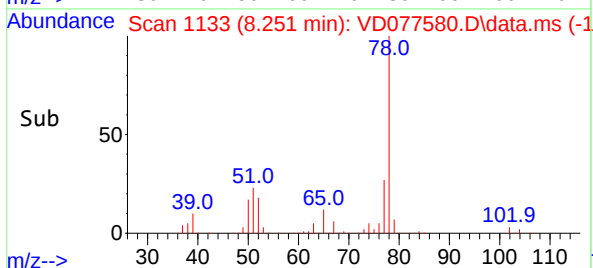
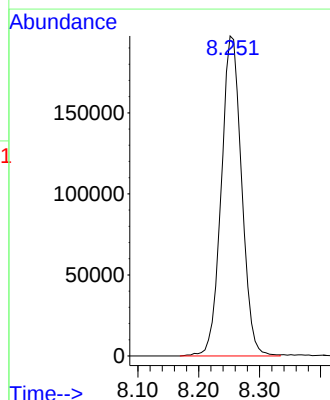
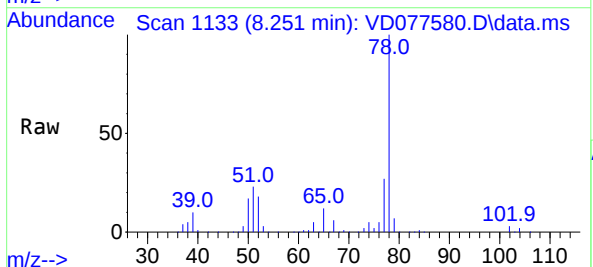
Instrument :  
MSVOA\_D  
ClientSampleId :

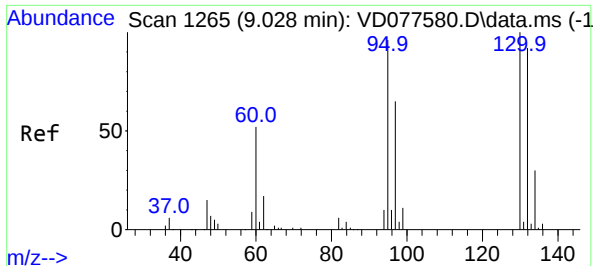
Tgt Ion:117 Resp: 151459  
Ion Ratio Lower Upper  
117 100  
119 97.0 75.4 113.0



#33  
Benzene  
Concen: 24.226 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 78 Resp: 458397



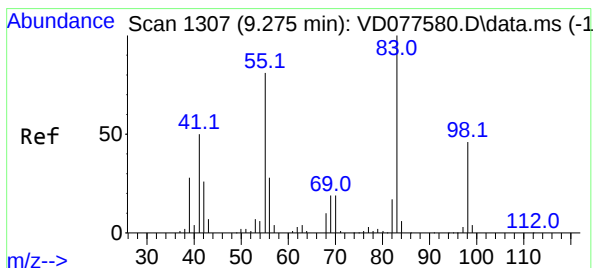
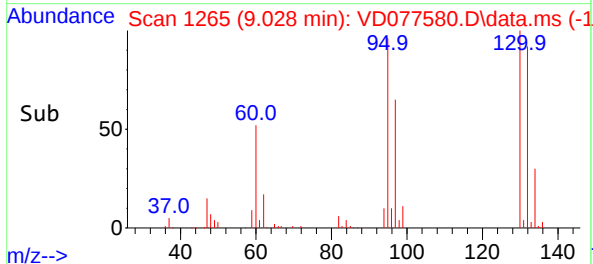
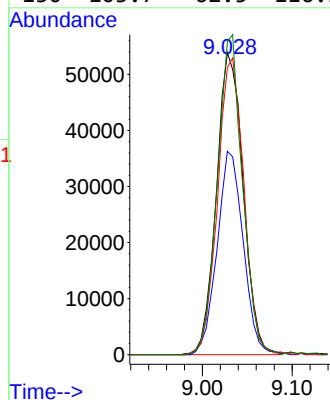
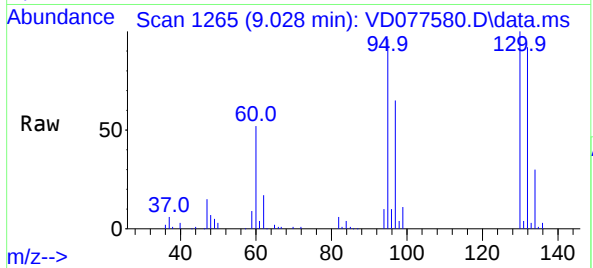


#34  
Trichloroethene  
Concen: 23.864 ug/L  
RT: 9.028 min Scan# 111891  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 95 Resp: 111891

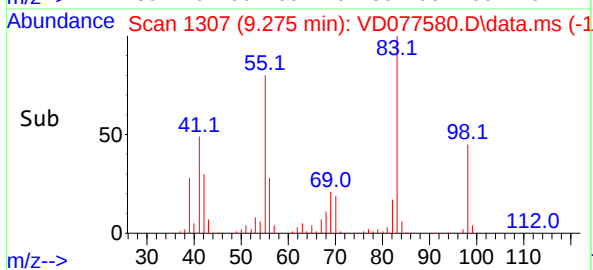
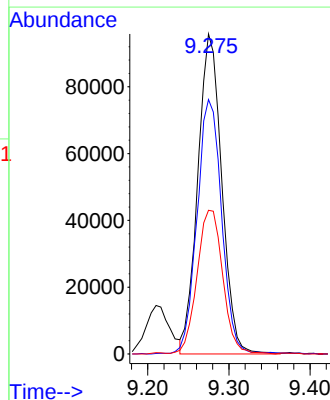
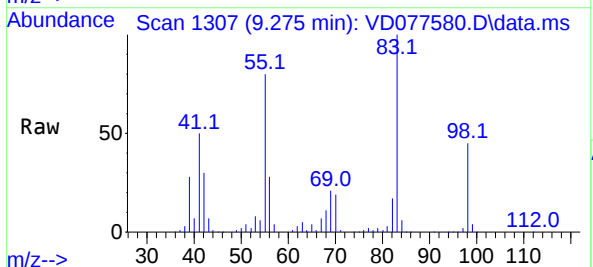
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.3  | 42.4  | 78.6  |
| 132 | 95.1  | 59.4  | 110.2 |
| 130 | 103.7 | 62.5  | 116.1 |

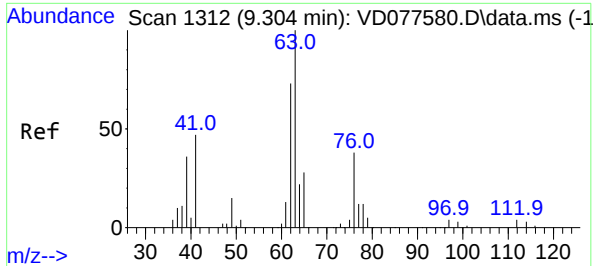


#35  
Methylcyclohexane  
Concen: 23.246 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 83 Resp: 196685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.8  | 66.5  | 99.7  |
| 98  | 48.1  | 37.4  | 56.2  |

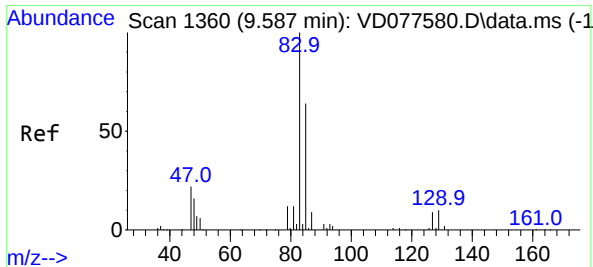
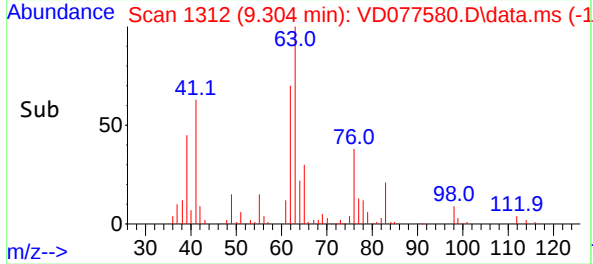
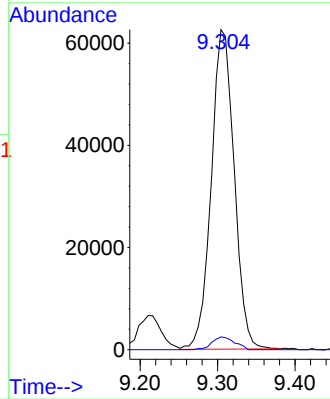
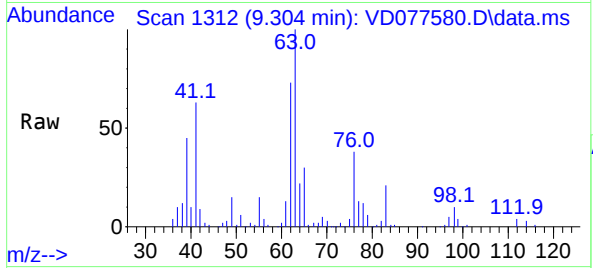




#37  
1,2-Dichloropropane  
Concen: 24.467 ug/L  
RT: 9.304 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

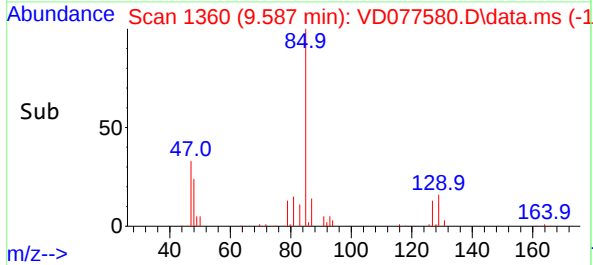
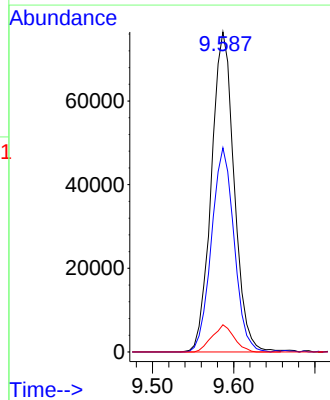
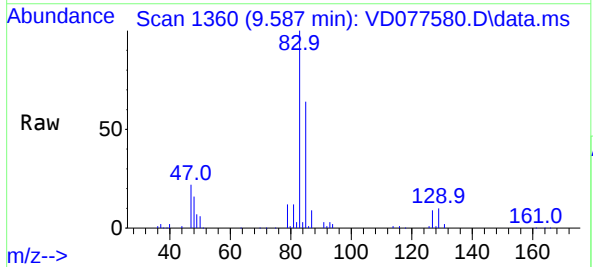
Instrument :  
MSVOA\_D  
ClientSampleId :

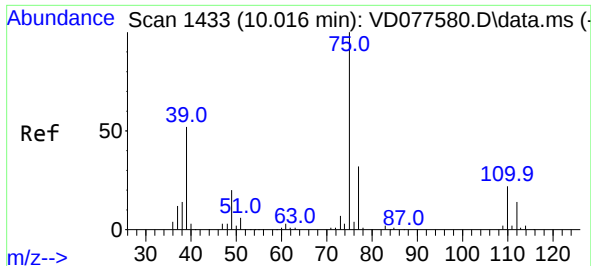
Tgt Ion: 63 Resp: 128706  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.2 4.8



#38  
Bromodichloromethane  
Concen: 24.723 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 83 Resp: 149172  
Ion Ratio Lower Upper  
83 100  
85 63.8 42.4 78.8  
127 8.5 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 24.301 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

Instrument :

MSVOA\_D

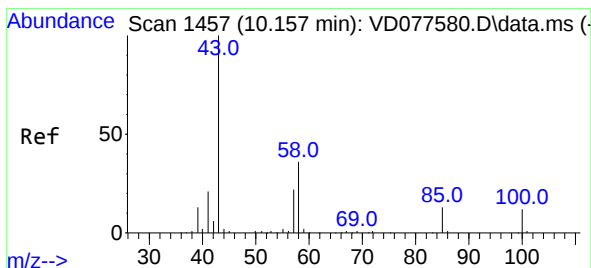
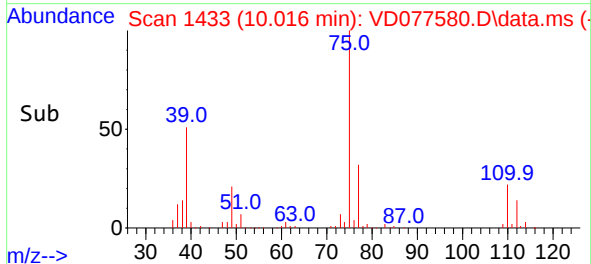
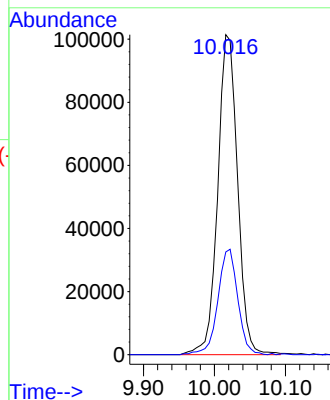
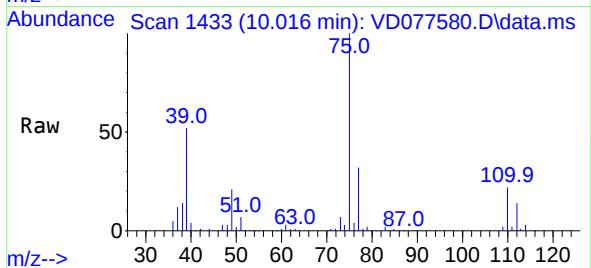
ClientSampleId :

Tgt Ion: 75 Resp: 196431

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 50.600 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

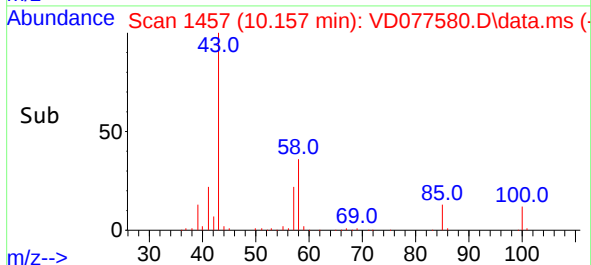
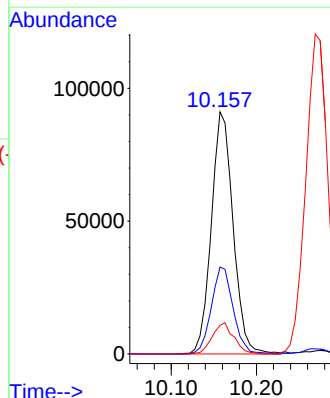
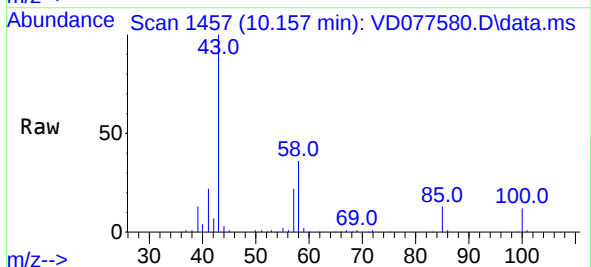
Tgt Ion: 43 Resp: 162203

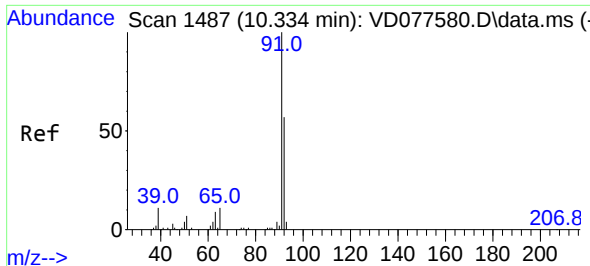
Ion Ratio Lower Upper

43 100

58 35.9 29.8 44.8

100 12.7 9.5 14.3

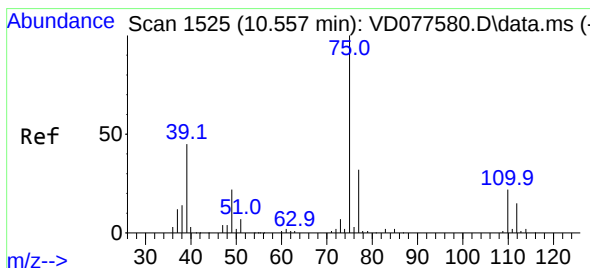
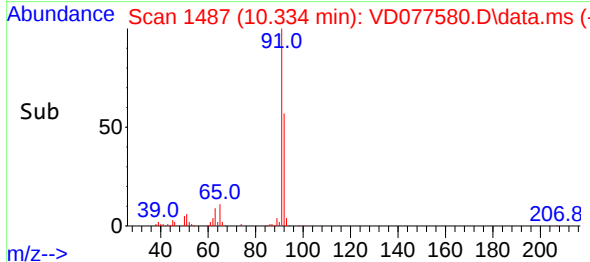
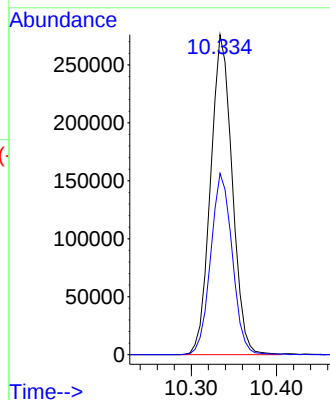
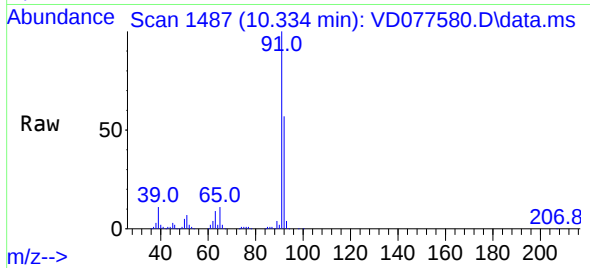




#42  
Toluene  
Concen: 24.495 ug/L  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

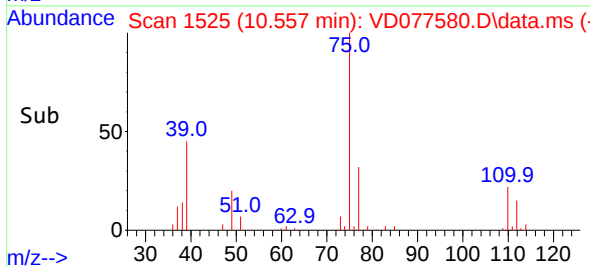
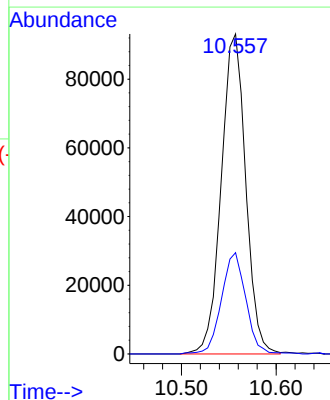
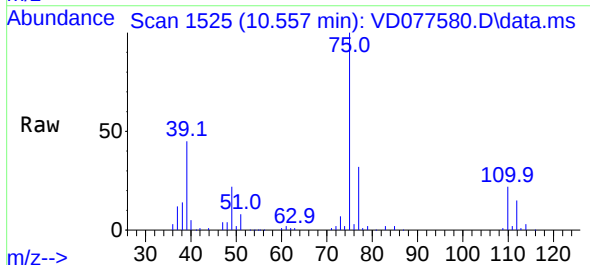
Instrument :  
MSVOA\_D  
ClientSampleId :

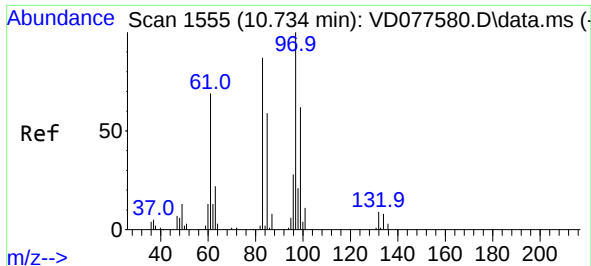
Tgt Ion: 91 Resp: 486630  
Ion Ratio Lower Upper  
91 100  
92 56.7 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 25.058 ug/L  
RT: 10.557 min Scan# 1525  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 75 Resp: 167366  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.3 41.5

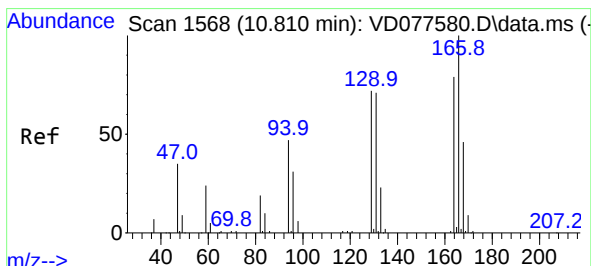
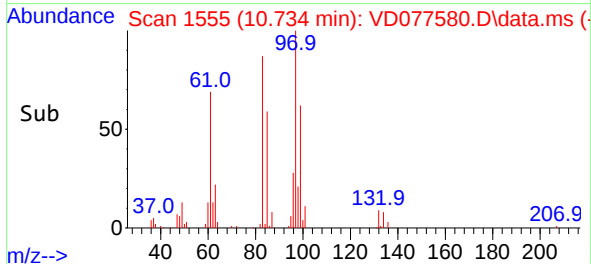
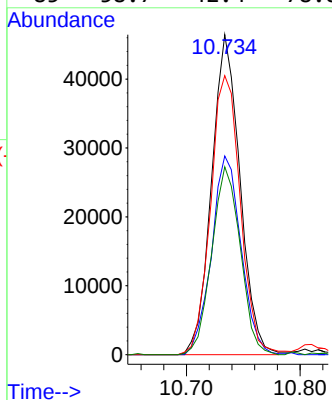
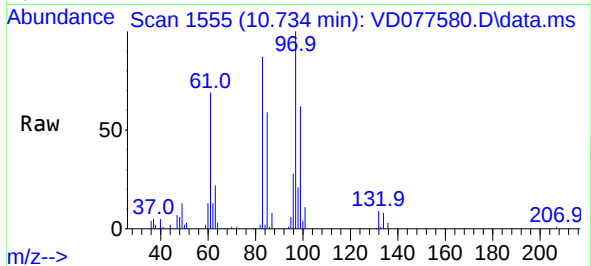




#45  
1,1,2-Trichloroethane  
Concen: 25.041 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

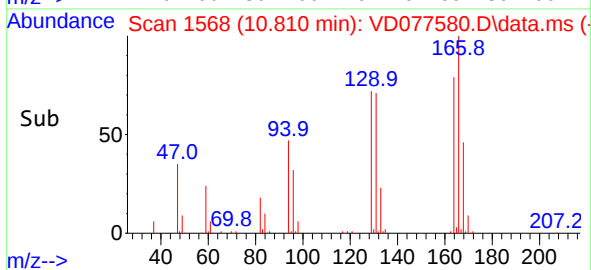
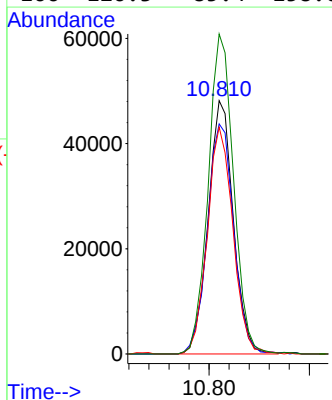
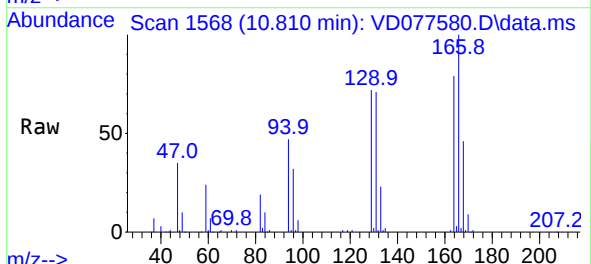
Instrument :  
MSVOA\_D  
ClientSampleId :

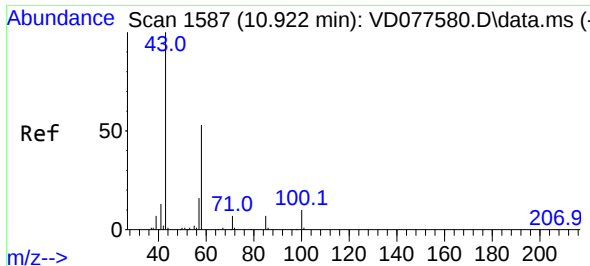
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 80518 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.1  | 43.5  | 80.7  |
| 83       | 87.2  | 63.1  | 117.3 |
| 85       | 58.7  | 42.4  | 78.8  |



#46  
Tetrachloroethene  
Concen: 24.413 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 84223 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.8  | 60.6  | 112.6 |
| 131      | 89.6  | 61.6  | 114.4 |
| 166      | 126.3 | 85.4  | 158.6 |



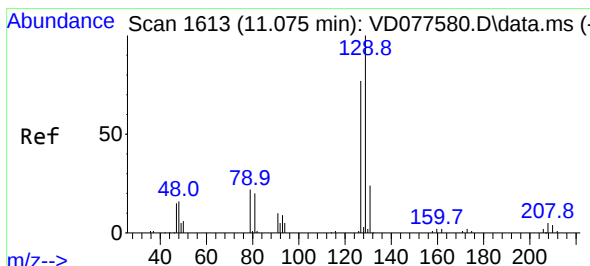
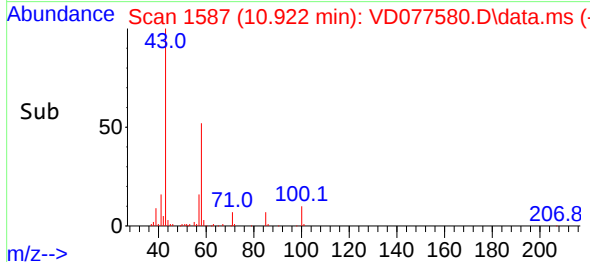
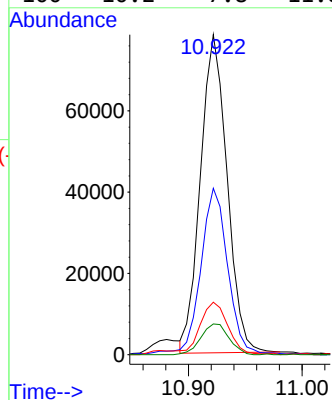
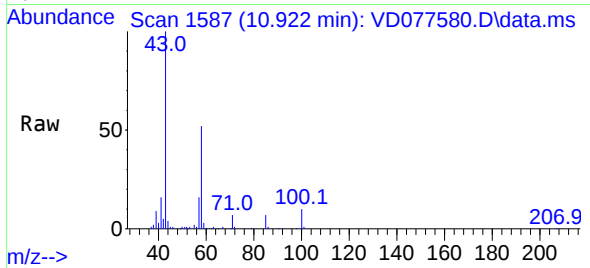


#48  
2-Hexanone  
Concen: 50.281 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 43 Resp: 127758

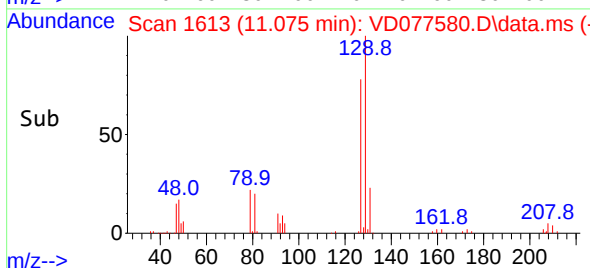
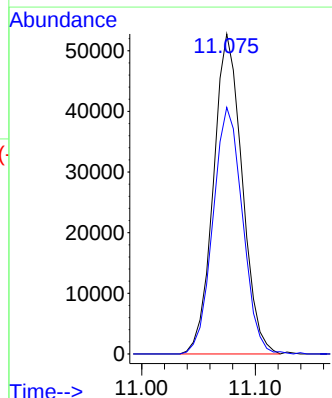
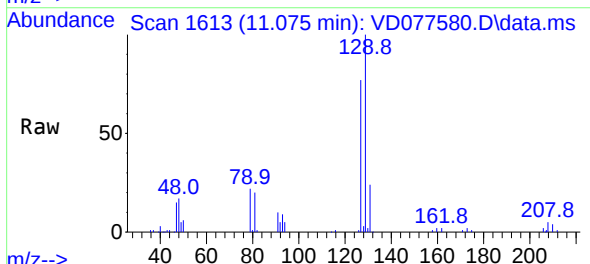
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 52.1  | 40.8  | 61.2  |
| 57  | 17.1  | 13.7  | 20.5  |
| 100 | 10.2  | 7.8   | 11.8  |

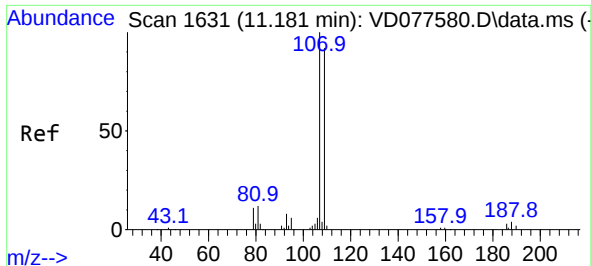


#49  
Dibromochloromethane  
Concen: 25.363 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 129 Resp: 92639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.1  | 54.9  | 102.1 |

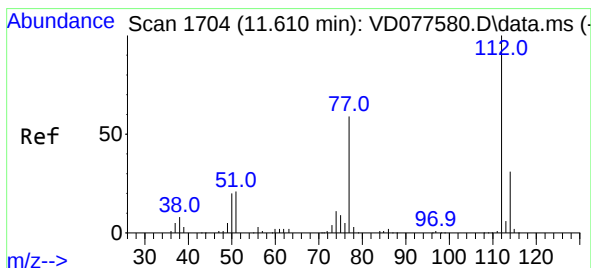
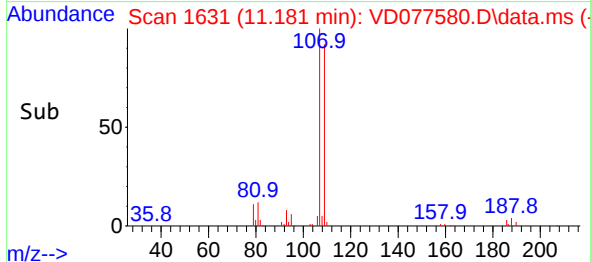
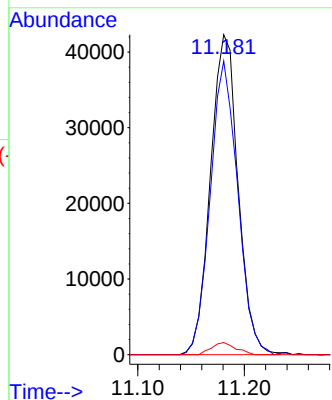
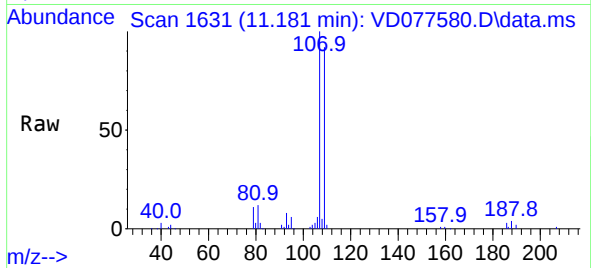




#50  
1,2-Dibromoethane  
Concen: 24.767 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

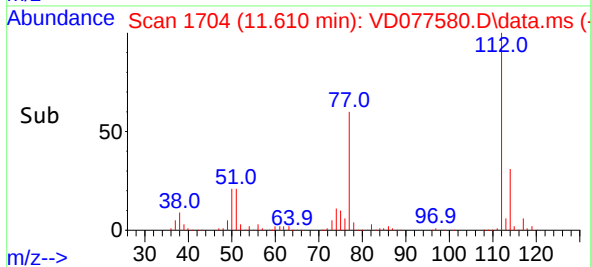
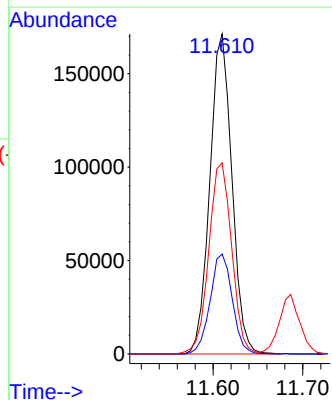
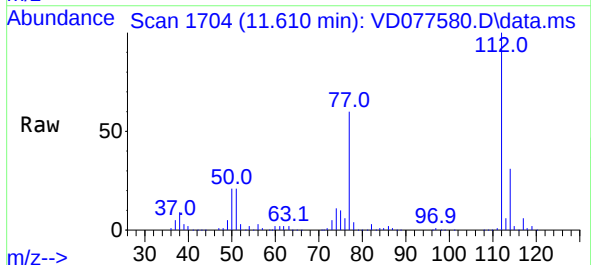
Instrument :  
MSVOA\_D  
ClientSampleId :

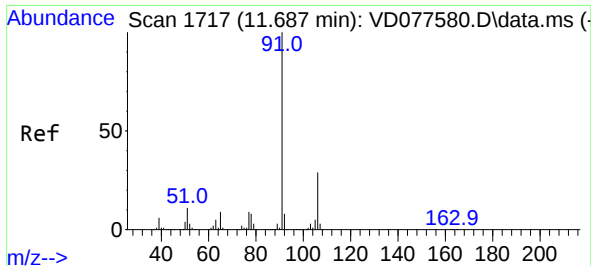
Tgt Ion:107 Resp: 76156  
Ion Ratio Lower Upper  
107 100  
109 91.8 64.8 120.3  
188 3.8 3.2 4.8



#51  
Chlorobenzene  
Concen: 25.112 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:112 Resp: 292270  
Ion Ratio Lower Upper  
112 100  
114 31.2 22.4 41.6  
77 59.7 49.6 74.4

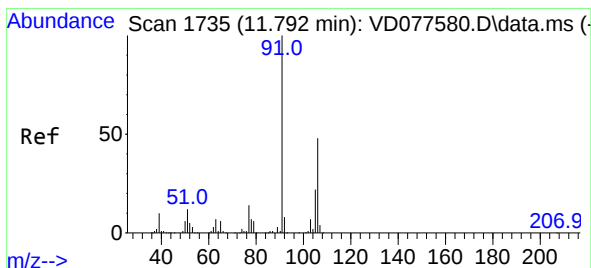
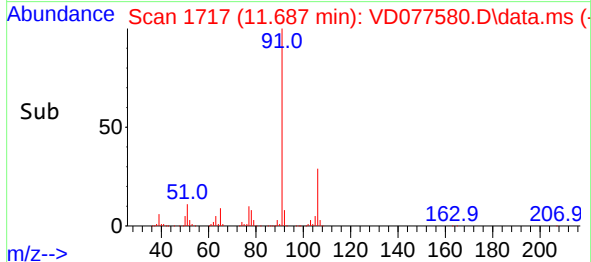
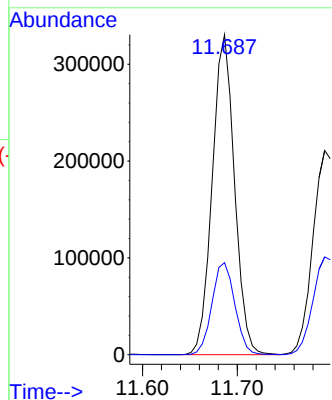
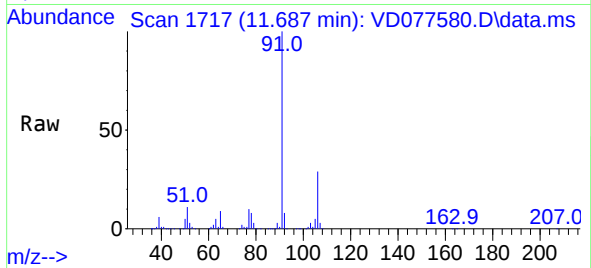




#52  
Ethylbenzene  
Concen: 24.718 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

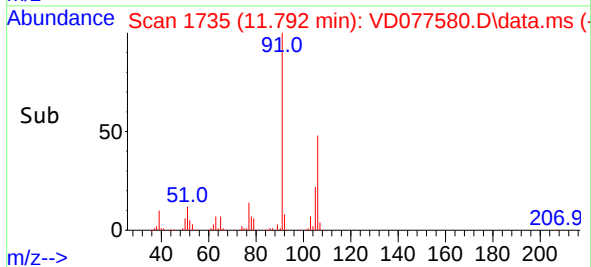
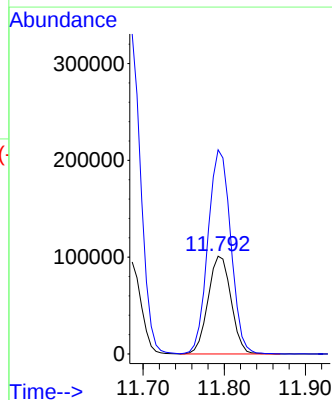
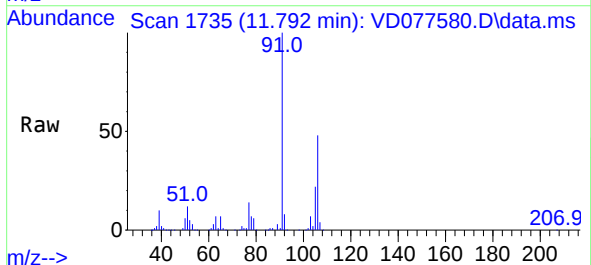
Instrument :  
MSVOA\_D  
ClientSampleId :

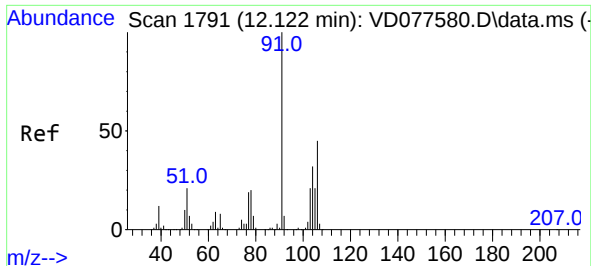
Tgt Ion: 91 Resp: 540314  
Ion Ratio Lower Upper  
91 100  
106 28.7 22.0 40.8



#53  
m,p-Xylene  
Concen: 24.902 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:106 Resp: 198079  
Ion Ratio Lower Upper  
106 100  
91 208.8 146.7 272.4

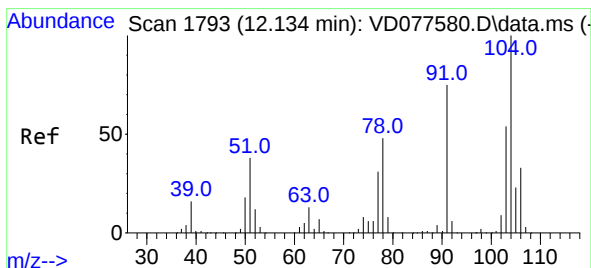
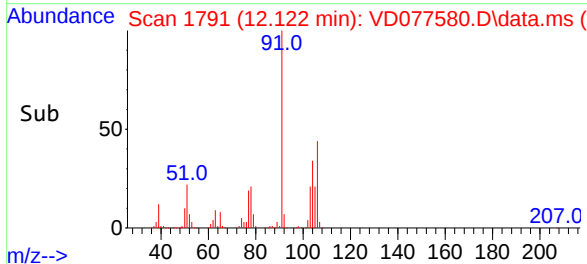
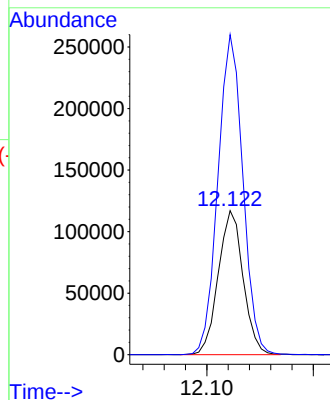
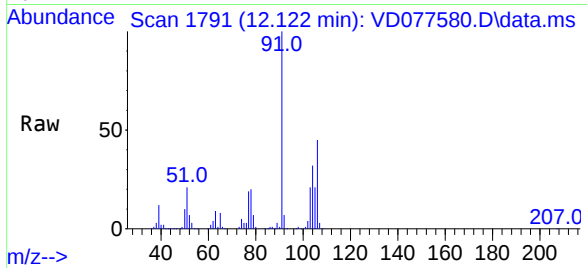




#54  
o-Xylene  
Concen: 24.895 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

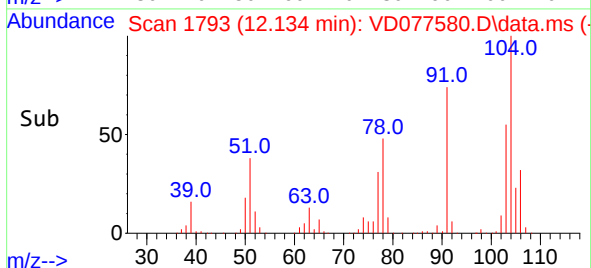
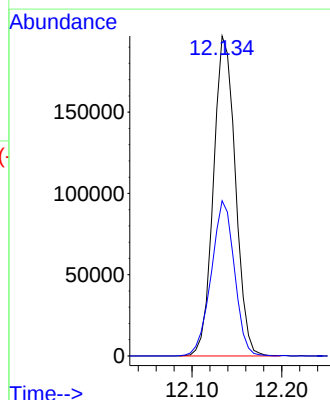
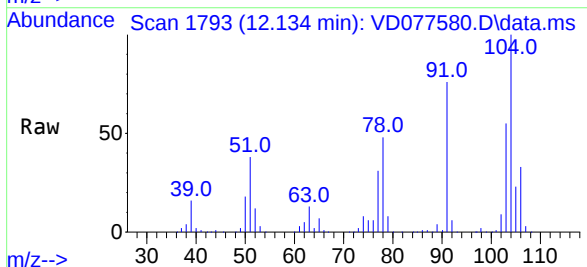
Instrument :  
MSVOA\_D  
ClientSampleId :

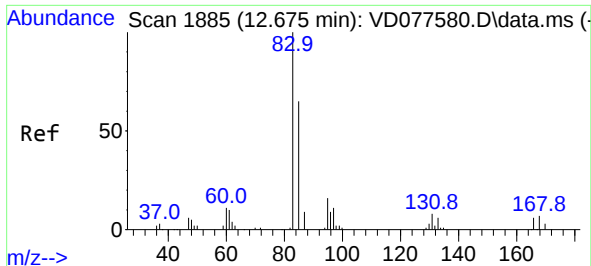
Tgt Ion:106 Resp: 189658  
Ion Ratio Lower Upper  
106 100  
91 222.1 158.5 294.4



#55  
Styrene  
Concen: 25.132 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:104 Resp: 334309  
Ion Ratio Lower Upper  
104 100  
78 48.5 34.9 64.9

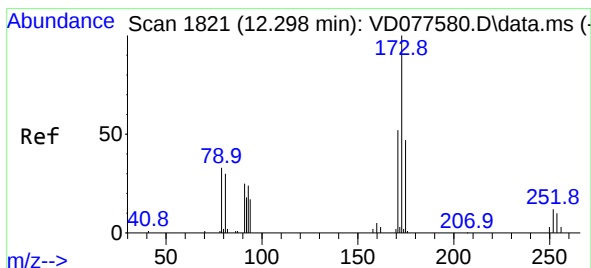
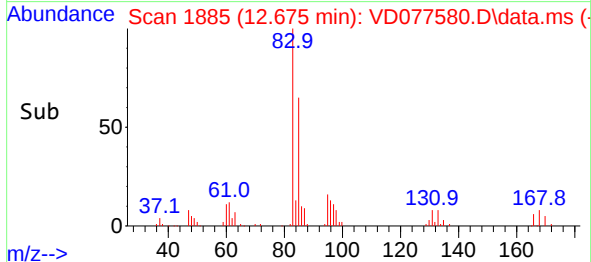
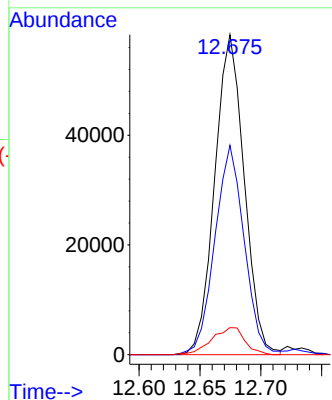
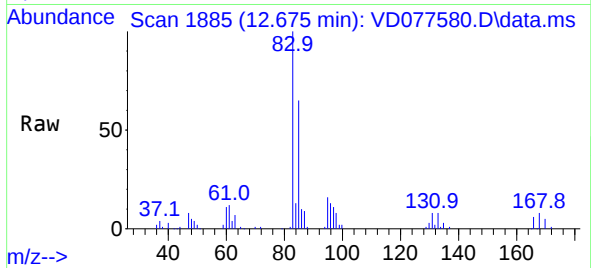




#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.927 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

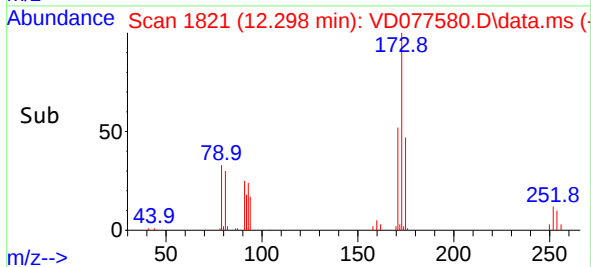
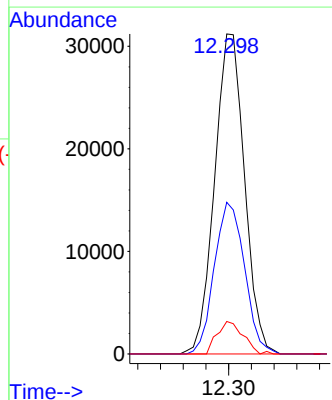
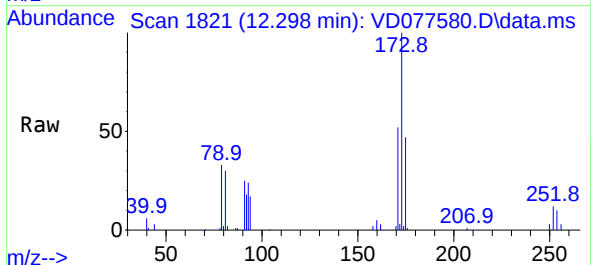
Instrument :  
MSVOA\_D  
ClientSampleId :

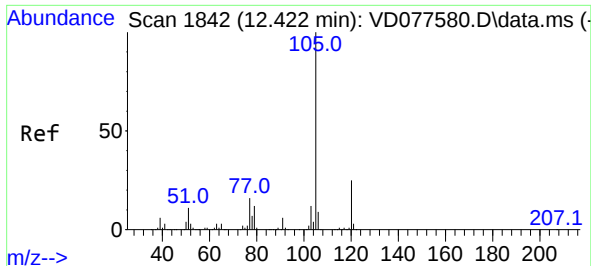
Tgt Ion: 83 Resp: 98208  
Ion Ratio Lower Upper  
83 100  
85 65.4 44.9 83.3  
131 8.5 7.2 10.8



#59  
Bromoform  
Concen: 24.414 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion: 173 Resp: 57062  
Ion Ratio Lower Upper  
173 100  
175 47.9 38.2 57.2  
254 8.7 7.1 10.7

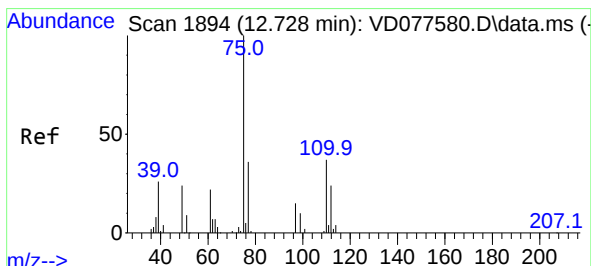
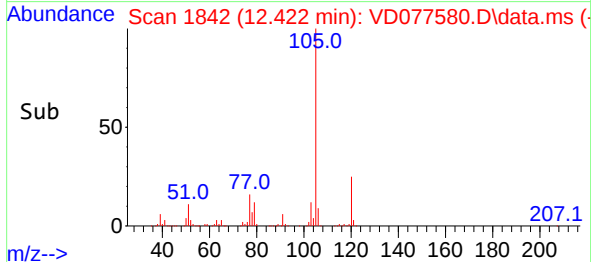
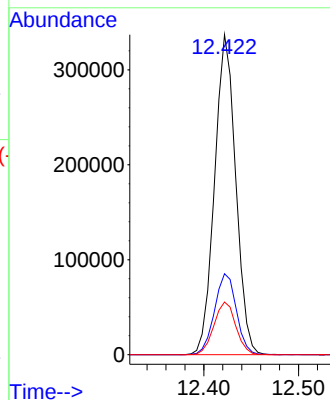
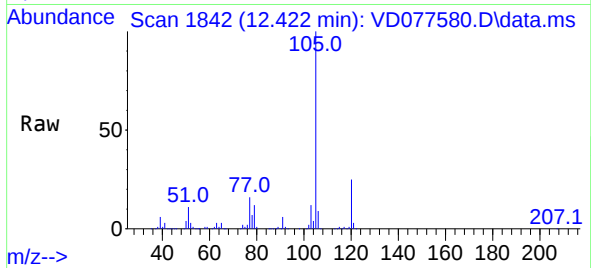




#60  
Isopropylbenzene  
Concen: 23.587 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

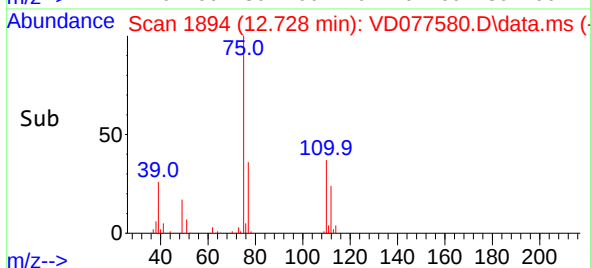
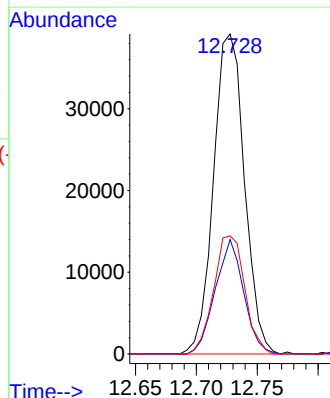
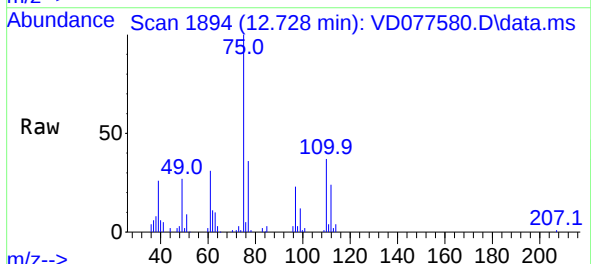
Instrument :  
MSVOA\_D  
ClientSampleId :

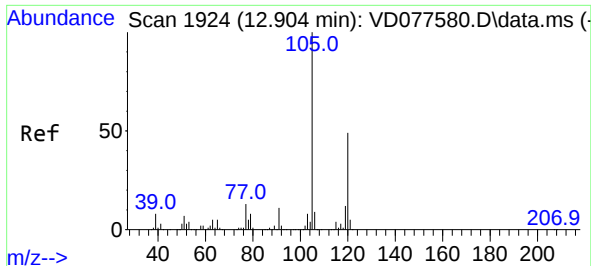
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 523026 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.2  | 21.0  | 31.4   |
| 77        | 17.0  | 13.4  | 20.2   |



#61  
1,2,3-Trichloropropane  
Concen: 23.640 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. 0.006 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 69031 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.9  | 25.6  | 38.4  |
| 110       | 37.2  | 29.6  | 44.4  |

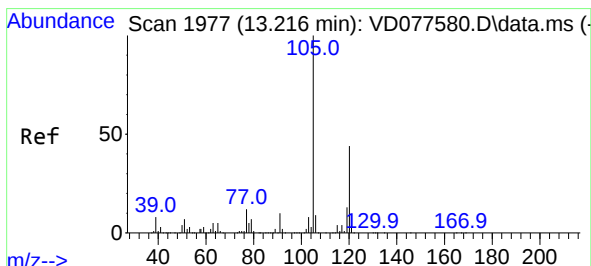
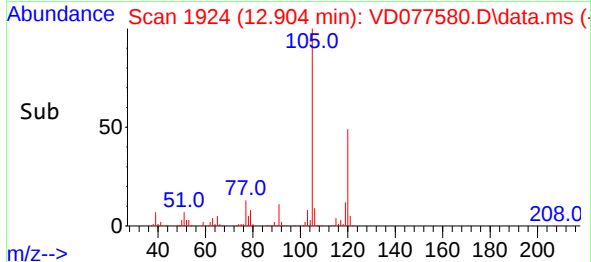
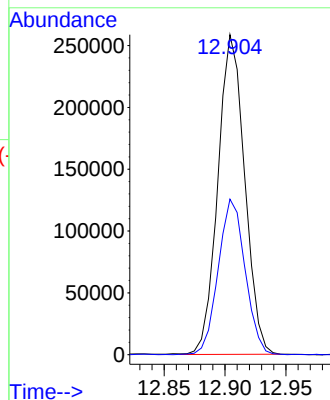
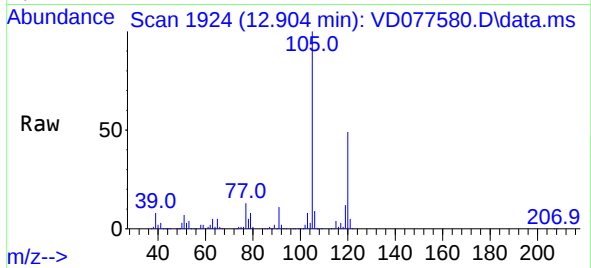




#62  
1,3,5-Trimethylbenzene  
Concen: 23.524 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

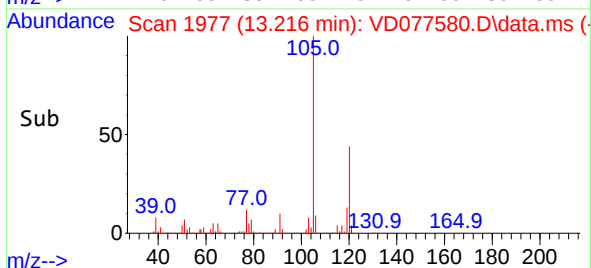
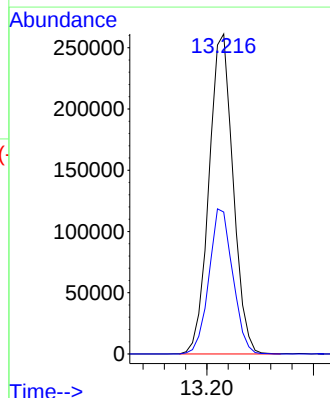
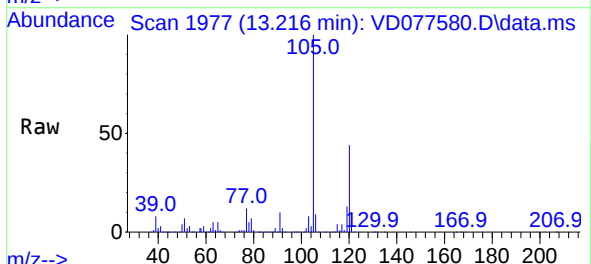
Instrument :  
MSVOA\_D  
ClientSampleId :

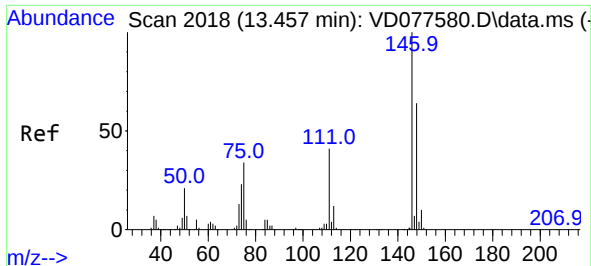
Tgt Ion:105 Resp: 395877  
Ion Ratio Lower Upper  
105 100  
120 48.8 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 24.057 ug/L  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

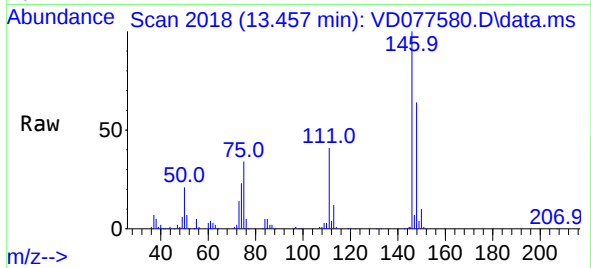
Tgt Ion:105 Resp: 410110  
Ion Ratio Lower Upper  
105 100  
120 44.9 35.6 53.4



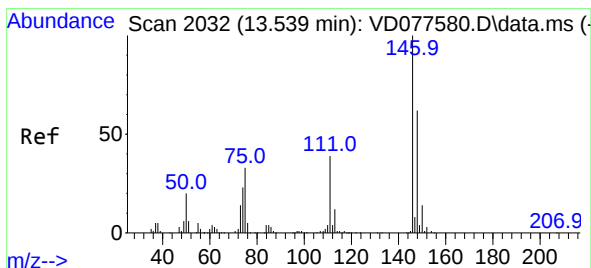
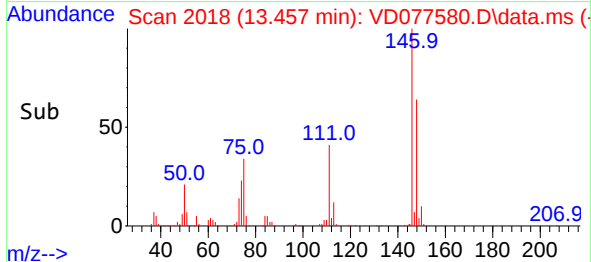
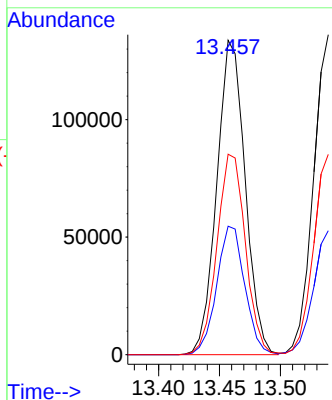


#64  
1,3-Dichlorobenzene  
Concen: 23.864 ug/L  
RT: 13.457 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

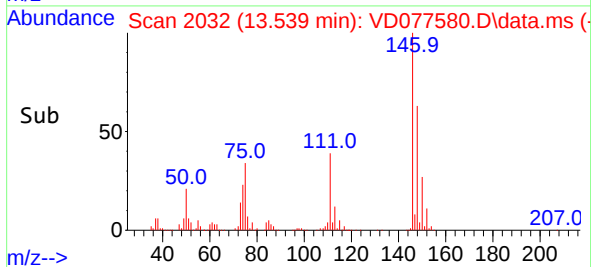
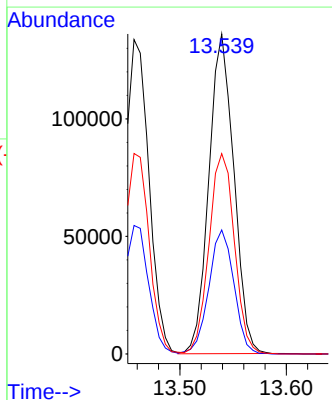
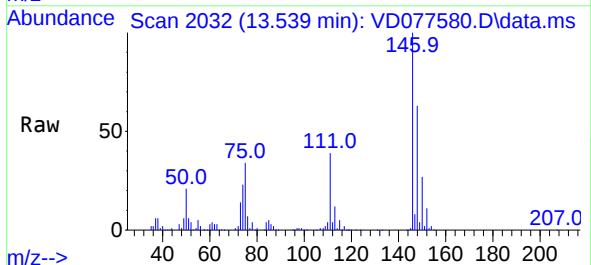


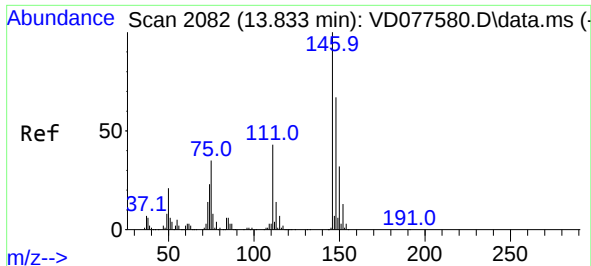
Tgt Ion:146 Resp: 217090  
Ion Ratio Lower Upper  
146 100  
111 40.9 27.2 50.6  
148 63.7 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 24.142 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:146 Resp: 221635  
Ion Ratio Lower Upper  
146 100  
111 38.7 25.6 47.4  
148 62.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 24.124 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

Instrument :

MSVOA\_D

ClientSampleId :

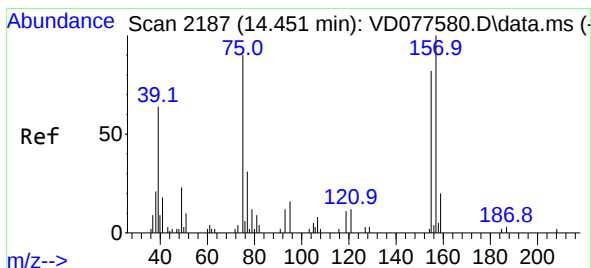
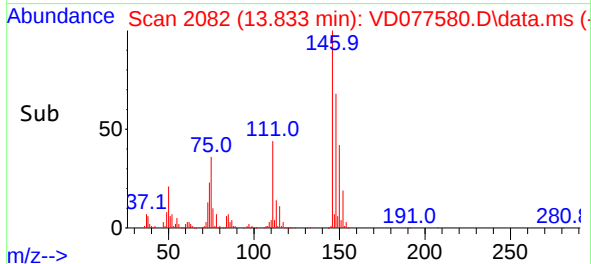
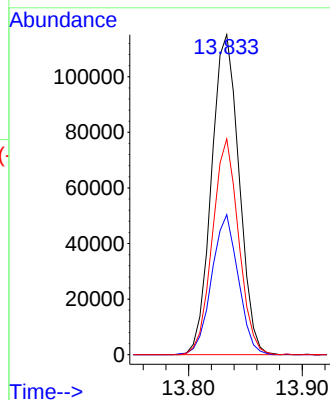
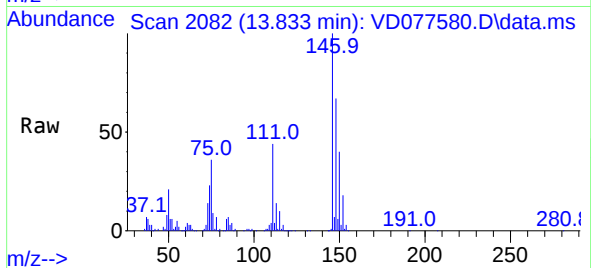
Tgt Ion:146 Resp: 194018

Ion Ratio Lower Upper

146 100

111 43.7 33.8 50.6

148 67.5 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 22.722 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

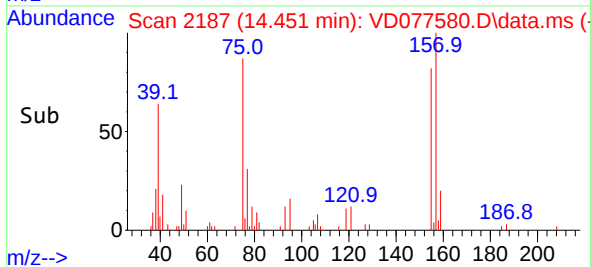
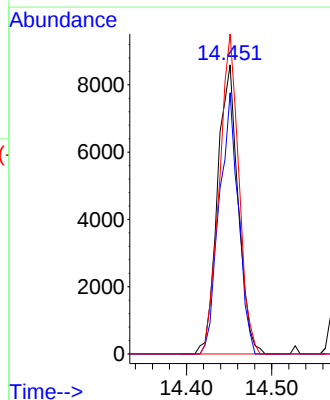
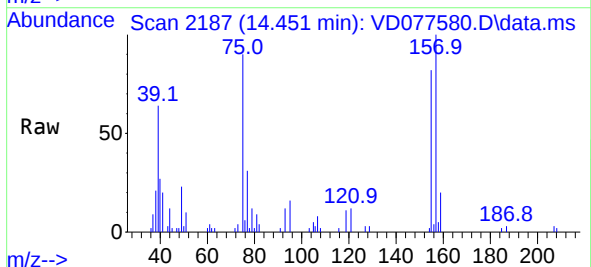
Tgt Ion: 75 Resp: 14432

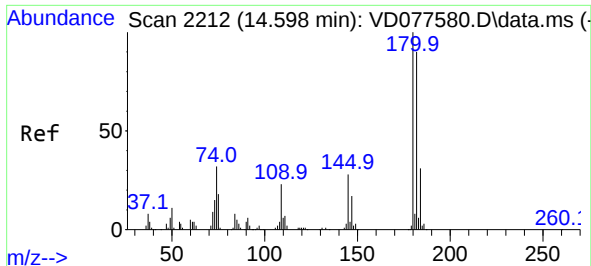
Ion Ratio Lower Upper

75 100

155 90.4 58.2 87.2#

157 110.7 68.7 103.1#





#69

1,3,5-Trichlorobenzene

Concen: 24.192 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.006 min

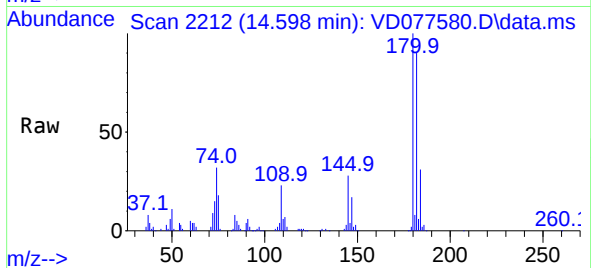
Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

Instrument :

MSVOA\_D

ClientSampleId :



Tgt Ion:180 Resp: 149849

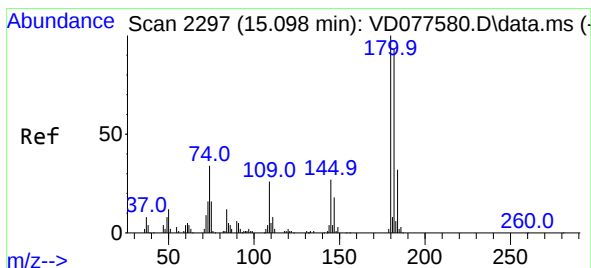
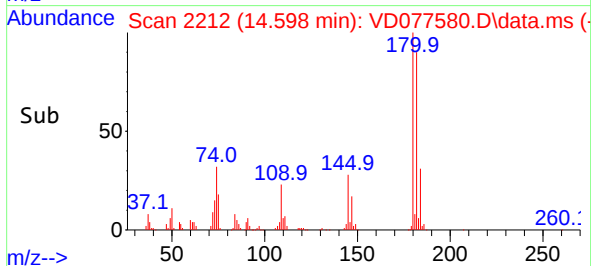
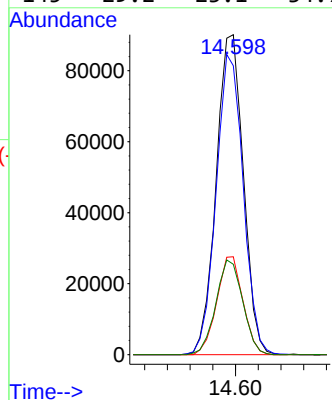
Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

184 29.5 24.0 36.0

145 29.2 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 24.344 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD077580.D

Acq: 16 Nov 2023 08:24

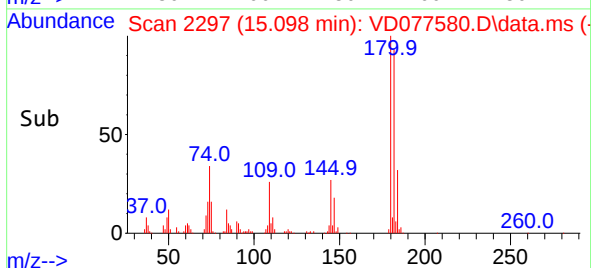
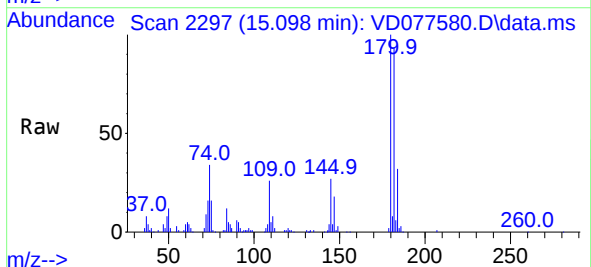
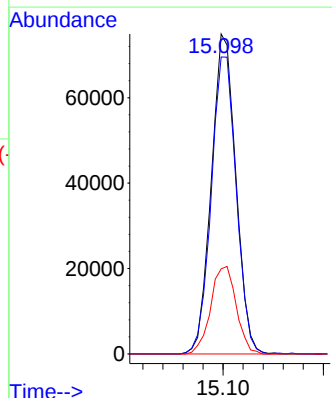
Tgt Ion:180 Resp: 127083

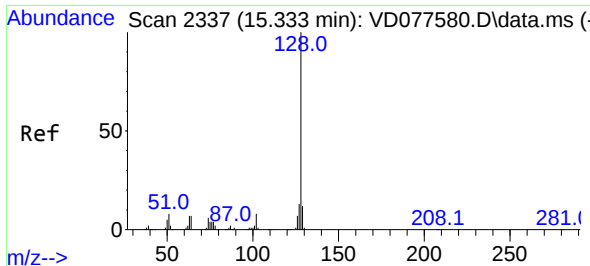
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 28.5 24.1 36.1

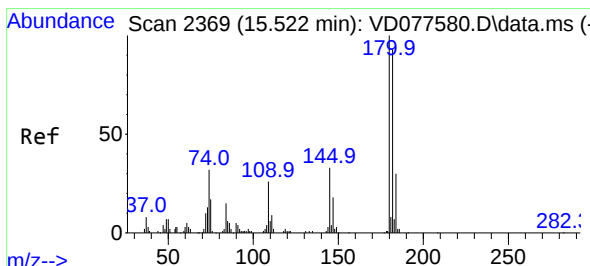
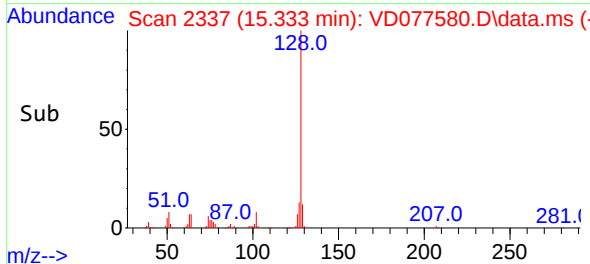
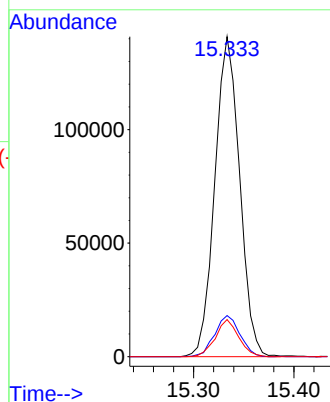
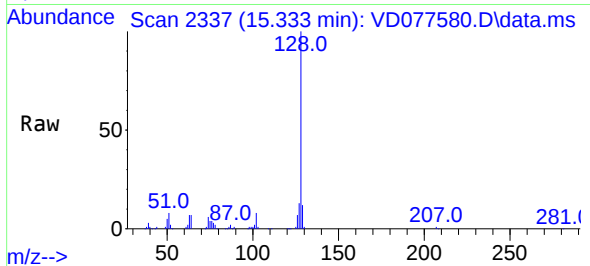




#71  
Naphthalene  
Concen: 24.593 ug/L  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 241951  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.5 15.7  
129 10.9 9.0 13.6



#72  
1,2,3-Trichlorobenzene  
Concen: 25.136 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD077580.D  
Acq: 16 Nov 2023 08:24

Tgt Ion:180 Resp: 111887  
Ion Ratio Lower Upper  
180 100  
182 94.2 76.8 115.2  
145 31.1 26.0 39.0

