

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110923\  
 Data File : VD077530.D  
 Acq On : 09 Nov 2023 11:59  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 10 00:34:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:25:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 354567   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 324165   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 152545   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 209562   | 23.234   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.920%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 170766   | 24.100   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.400%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 62960    | 22.574   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.280%  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 84070    | 53.835   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.680% |
| 24) Chloroform-d              | 7.569  | 84    | 260625   | 25.445   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.800% |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 142847   | 26.219   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.880% |
| 32) Benzene-d6                | 8.205  | 84    | 529805   | 25.182   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.720% |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 173537   | 25.322   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.280% |
| 41) Toluene-d8                | 10.269 | 98    | 478430   | 25.165   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.640% |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 75565    | 25.573   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.280% |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 67627    | 55.163   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 110.320% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 120384   | 26.513   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.040% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 142595   | 26.276   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 105.120% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 137978   | 24.163   | ug/L   | 99       |
| 3) Chloromethane              | 2.152  | 50    | 209948   | 25.556   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.287  | 62    | 229006   | 24.697   | ug/L   | 96       |
| 6) Bromomethane               | 2.699  | 94    | 131942   | 26.727   | ug/L   | 100      |
| 8) Chloroethane               | 2.840  | 64    | 143428   | 24.881   | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 205876   | 24.397   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 125831   | 24.231   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.946  | 96    | 120179   | 23.835   | ug/L   | 98       |
| 13) Acetone                   | 4.022  | 43    | 85951    | 52.362   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.275  | 76    | 443919   | 24.450   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.564  | 43    | 70627    | 26.154   | ug/L   | 98       |
| 16) Methylene chloride        | 4.805  | 84    | 136659   | 22.828   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.322  | 96    | 129015   | 24.324   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 314710   | 25.280   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 263131   | 24.726   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 143509   | 24.904   | ug/L   | 99       |
| 22) 2-Butanone                | 7.081  | 43    | 100295   | 50.781   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.428  | 128   | 59847    | 25.847   | ug/L   | 96       |
| 25) Chloroform                | 7.599  | 83    | 245066   | 25.068   | ug/L   | 99       |

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 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

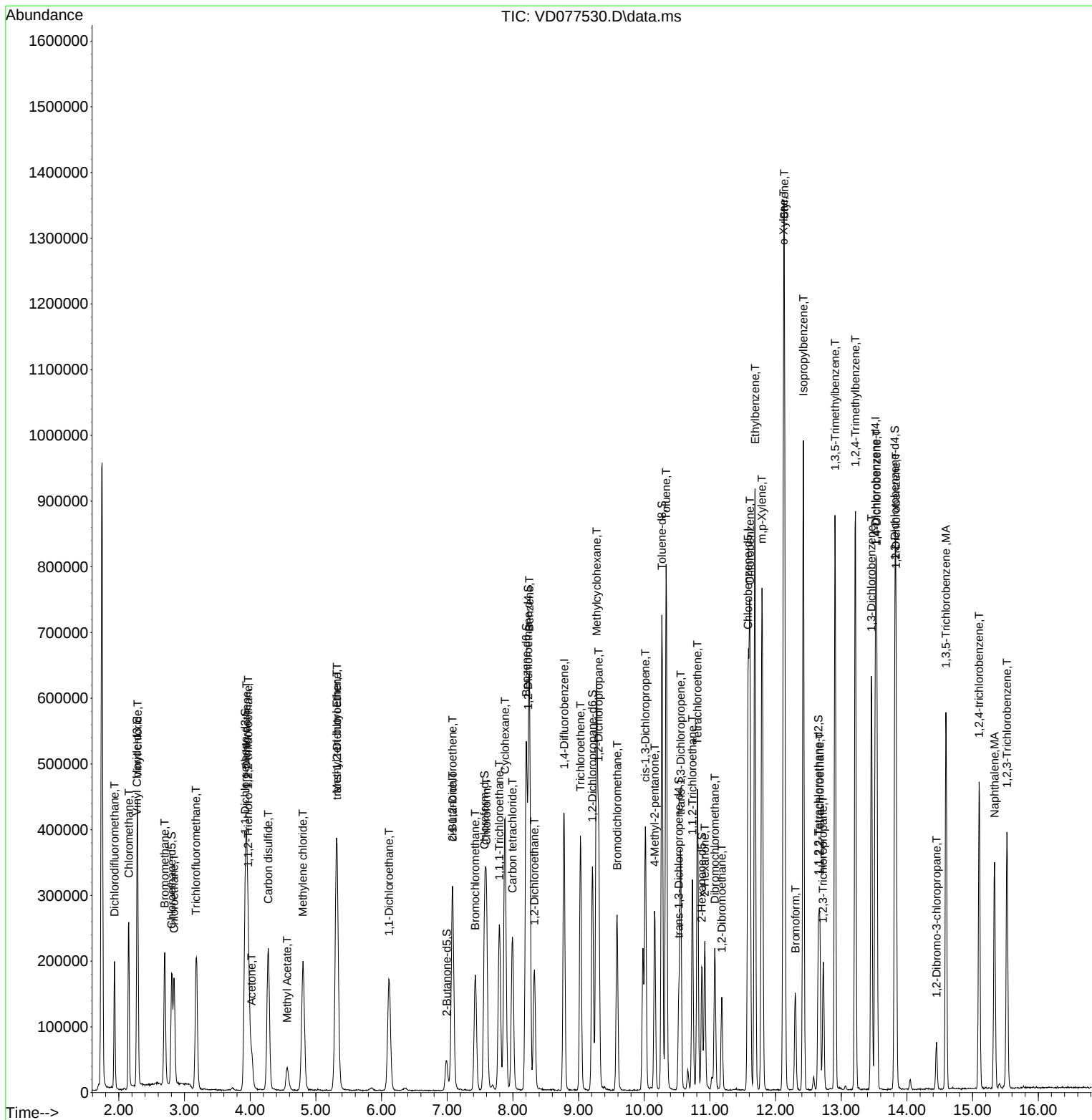
Instrument :  
 MSVOA\_D  
 ClientSampleId :

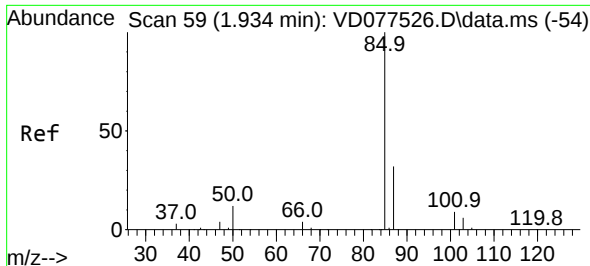
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 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:25:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 162257   | 25.038 | ug/L  | 99       |
| 29) Cyclohexane               | 7.881  | 56   | 251362   | 23.882 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 207189   | 24.415 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 178270   | 24.444 | ug/L  | 98       |
| 33) Benzene                   | 8.252  | 78   | 561117   | 24.961 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 138207   | 24.812 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.275  | 83   | 239109   | 23.788 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 154301   | 24.691 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 180486   | 25.179 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 237828   | 24.766 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 197243   | 51.793 | ug/L  | 99       |
| 42) Toluene                   | 10.334 | 91   | 585619   | 24.813 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 200259   | 25.238 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 95938    | 25.115 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.810 | 164  | 100511   | 24.524 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 153900   | 50.984 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.075 | 129  | 108537   | 25.013 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 91712    | 25.106 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.610 | 112  | 349167   | 25.253 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 647734   | 24.942 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.793 | 106  | 235968   | 24.970 | ug/L  | 98       |
| 54) o-Xylene                  | 12.122 | 106  | 227192   | 25.102 | ug/L  | 94       |
| 55) Styrene                   | 12.134 | 104  | 395364   | 25.018 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 116764   | 25.947 | ug/L  | 97       |
| 59) Bromoform                 | 12.304 | 173  | 67590    | 25.988 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 617066   | 25.008 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 81643    | 25.126 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 464651   | 24.812 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 475361   | 25.059 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 249459   | 24.643 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 251538   | 24.622 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 219711   | 24.550 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 17846    | 25.250 | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 171404   | 24.868 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 144419   | 24.861 | ug/L  | 99       |
| 71) Naphthalene               | 15.334 | 128  | 283409   | 25.887 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 125807   | 25.399 | ug/L  | 98       |

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

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Response via : Initial Calibration

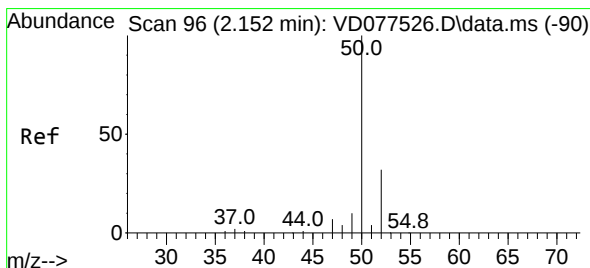
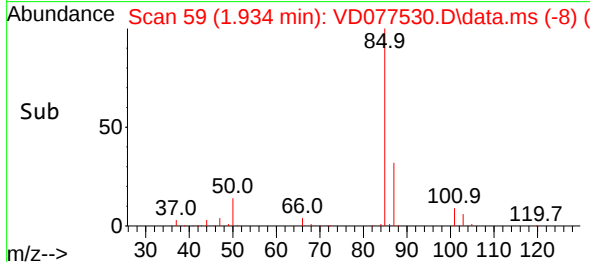
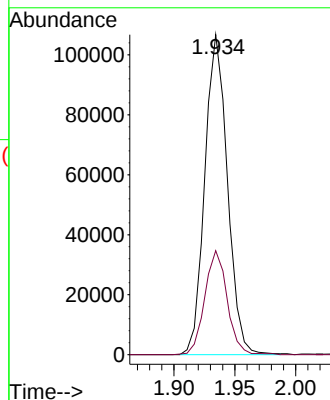
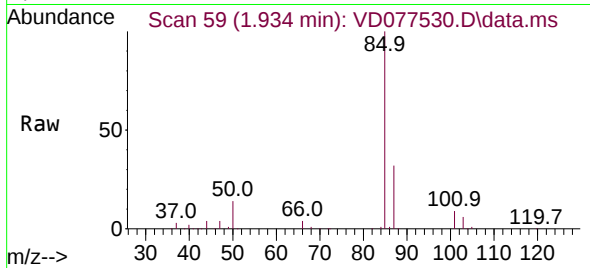




#2  
 Dichlorodifluoromethane  
 Concen: 24.163 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

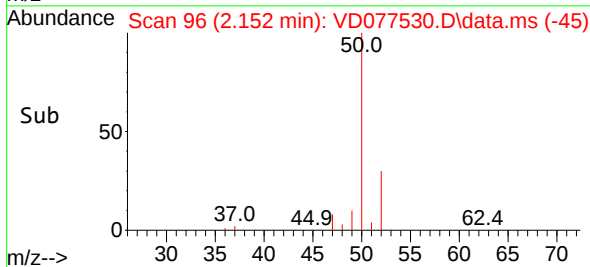
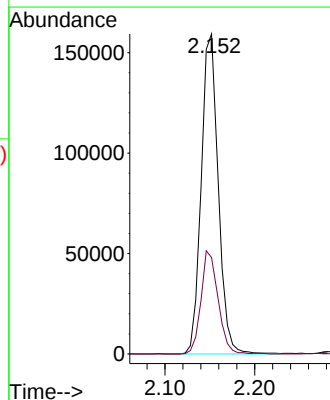
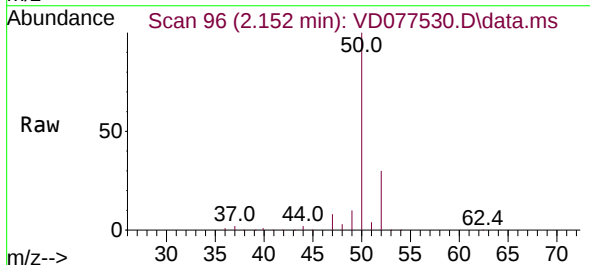
Instrument :  
 MSVOA\_D  
 ClientSampleId :

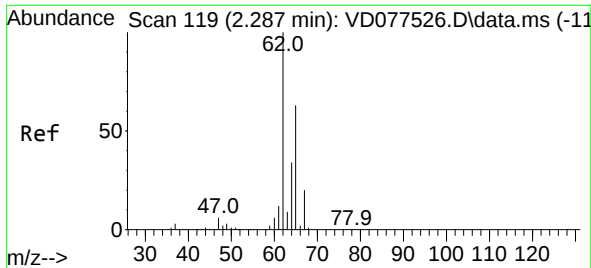
Tgt Ion: 85 Resp: 137978  
 Ion Ratio Lower Upper  
 85 100  
 87 32.0 26.2 39.2



#3  
 Chloromethane  
 Concen: 25.556 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Tgt Ion: 50 Resp: 209948  
 Ion Ratio Lower Upper  
 50 100  
 52 30.1 22.1 41.1

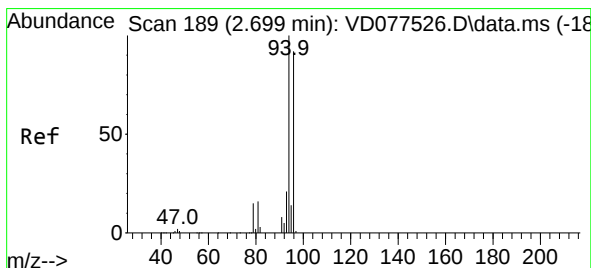
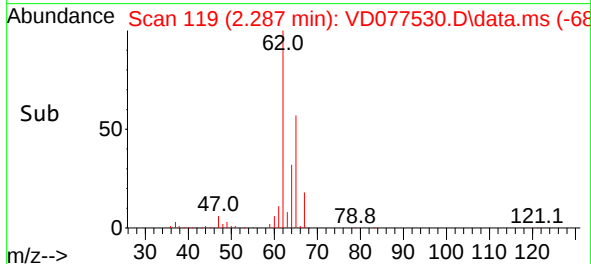
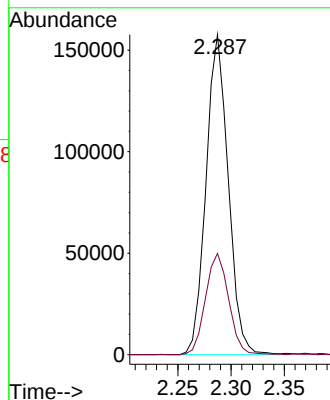
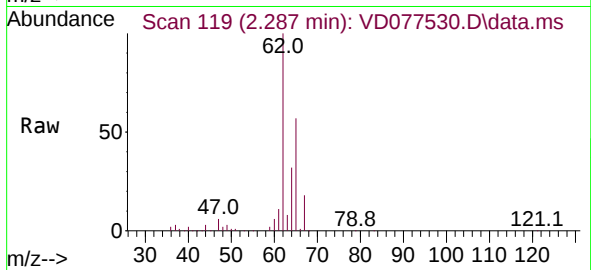




#5  
 Vinyl chloride  
 Concen: 24.697 ug/L  
 RT: 2.287 min Scan# 119  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

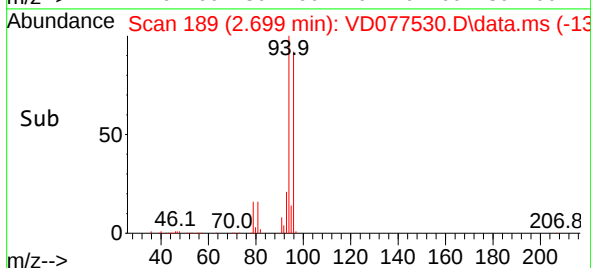
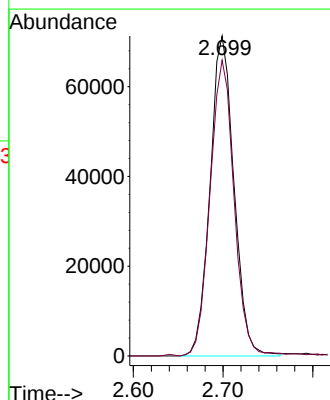
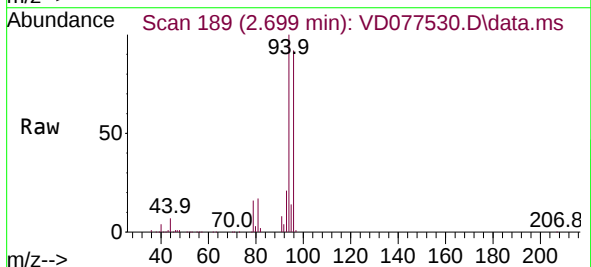
Instrument :  
 MSVOA\_D  
 ClientSampleId :

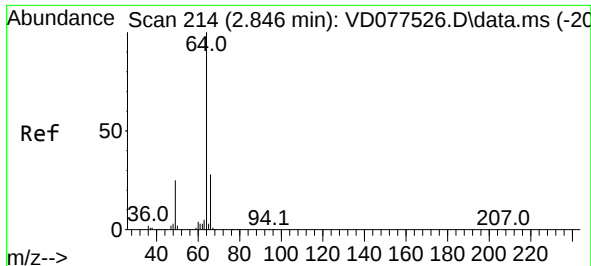
Tgt Ion: 62 Resp: 229006  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 23.9 44.5



#6  
 Bromomethane  
 Concen: 26.727 ug/L  
 RT: 2.699 min Scan# 189  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Tgt Ion: 94 Resp: 131942  
 Ion Ratio Lower Upper  
 94 100  
 96 92.4 64.5 119.9

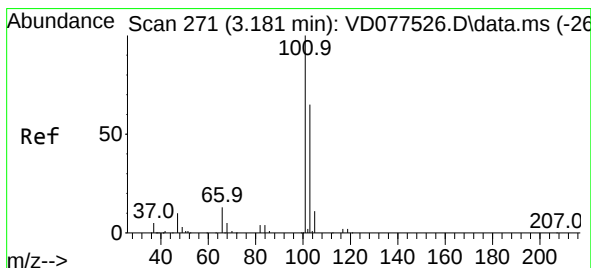
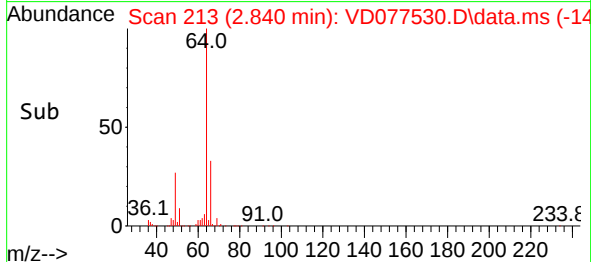
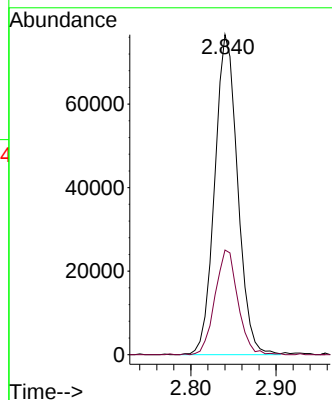
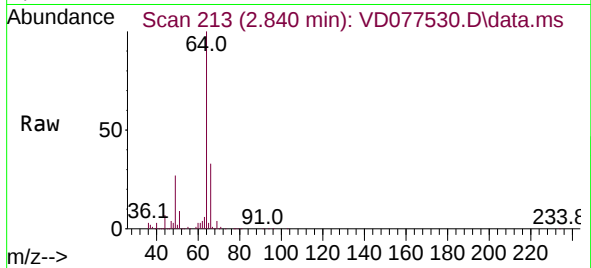




#8  
Chloroethane  
Concen: 24.881 ug/L  
RT: 2.840 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

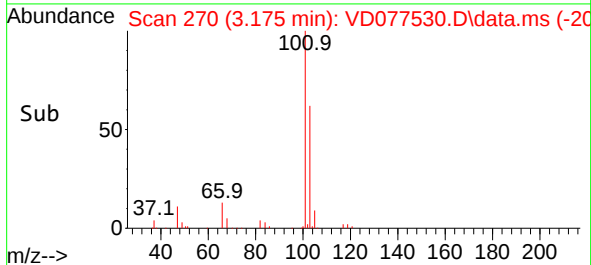
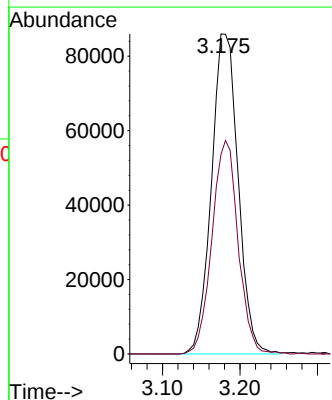
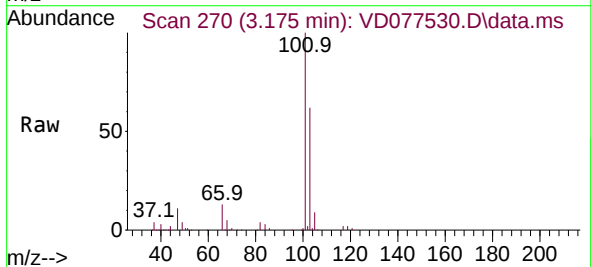
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MSVOA\_D  
ClientSampleId :

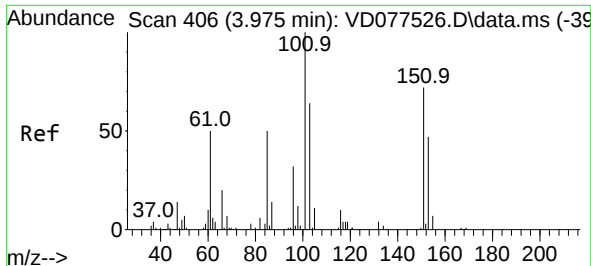
Tgt Ion: 64 Resp: 143428  
Ion Ratio Lower Upper  
64 100  
66 32.7 19.8 36.8



#9  
Trichlorofluoromethane  
Concen: 24.397 ug/L  
RT: 3.175 min Scan# 270  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion:101 Resp: 205876  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.9 77.9

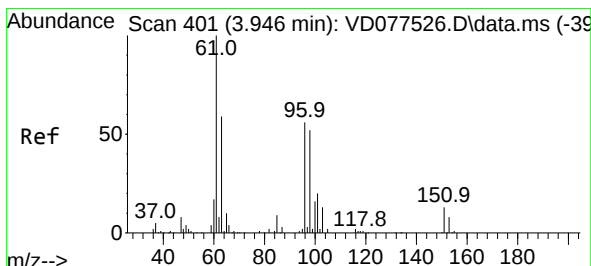
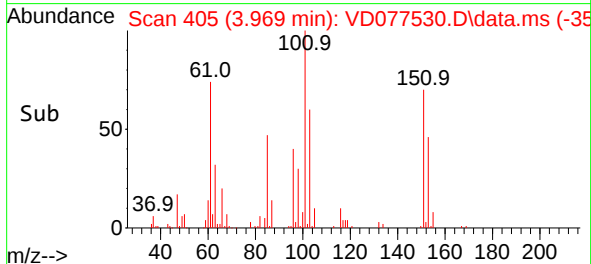
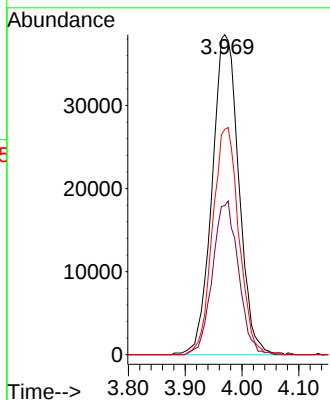
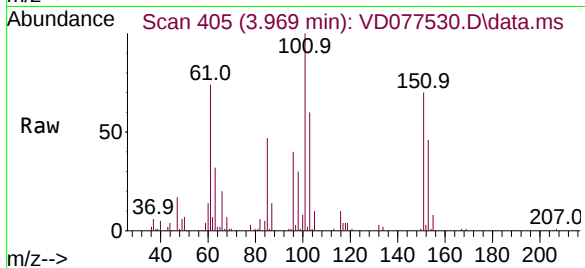




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 24.231 ug/L  
RT: 3.969 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

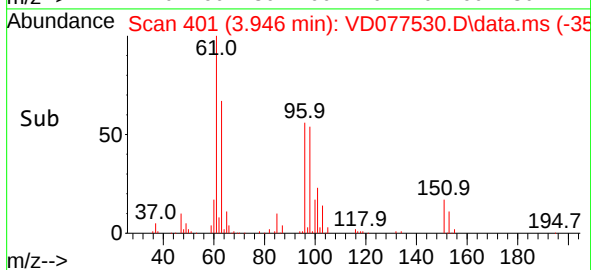
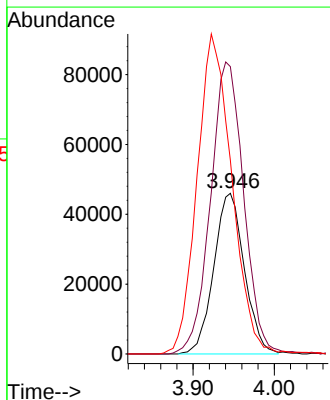
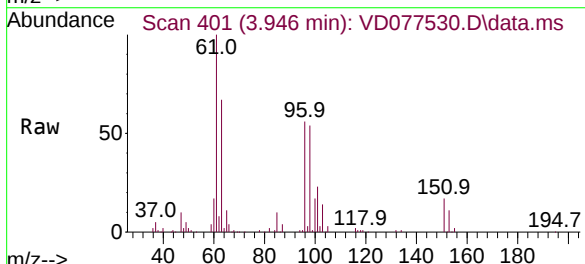
Instrument :  
MSVOA\_D  
ClientSampleId :

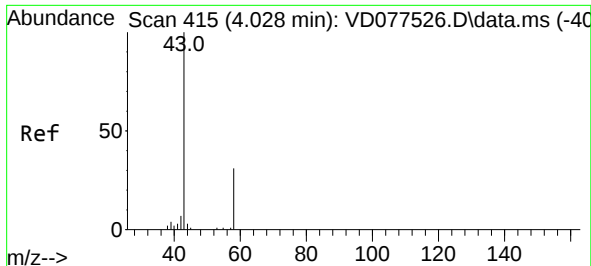
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Ion Ratio Lower Upper  
101 100  
85 46.2 36.8 55.2  
151 69.5 56.6 84.8



#12  
1,1-Dichloroethene  
Concen: 23.835 ug/L  
RT: 3.946 min Scan# 401  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 96 Resp: 120179  
Ion Ratio Lower Upper  
96 100  
61 178.9 127.5 236.9  
63 120.5 86.4 160.4





#13

Acetone

Concen: 52.362 ug/L

RT: 4.022 min Scan# 415

Delta R.T. -0.006 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

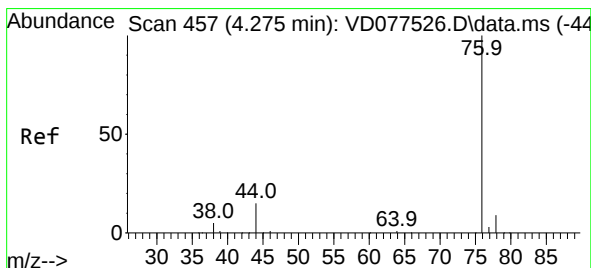
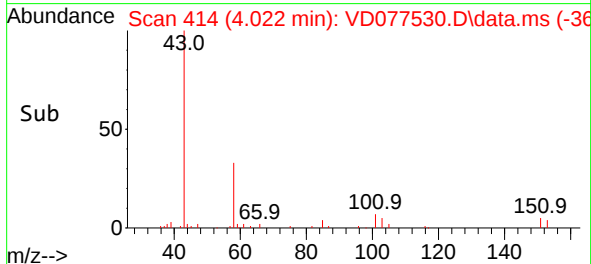
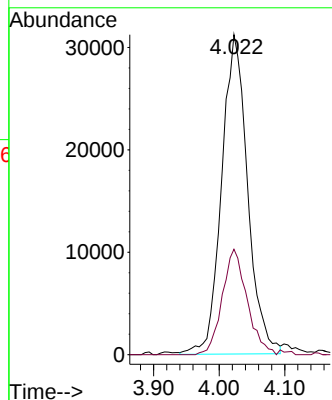
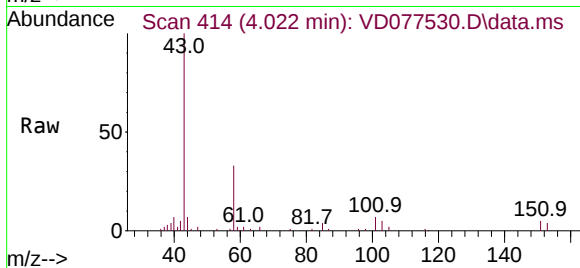
ClientSampleId :

Tgt Ion: 43 Resp: 85951

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0



#14

Carbon disulfide

Concen: 24.450 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.000 min

Lab File: VD077530.D

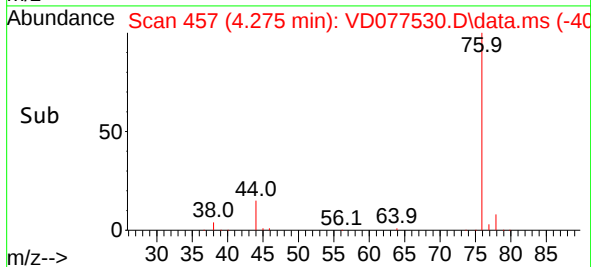
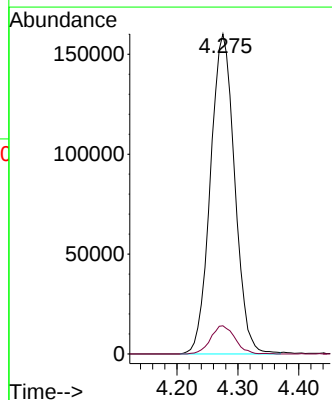
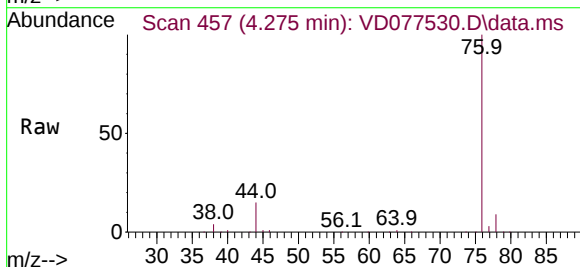
Acq: 09 Nov 2023 11:59

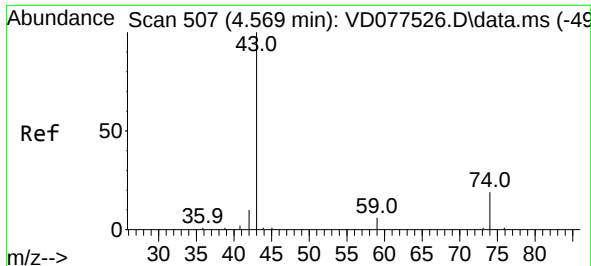
Tgt Ion: 76 Resp: 443919

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3

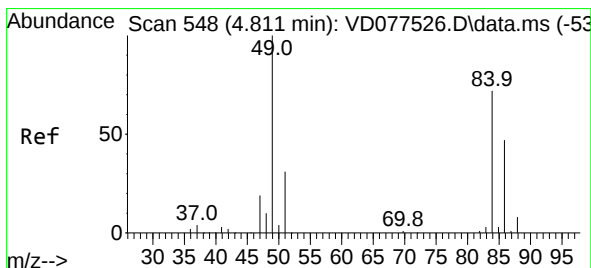
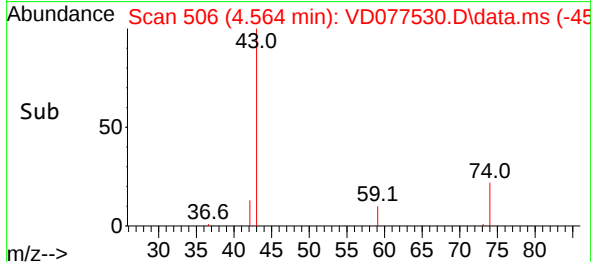
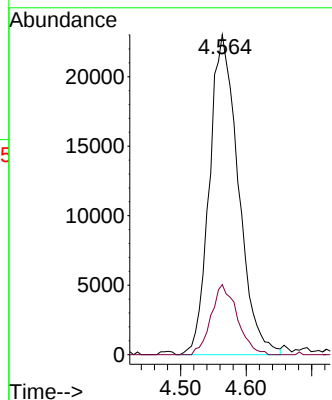
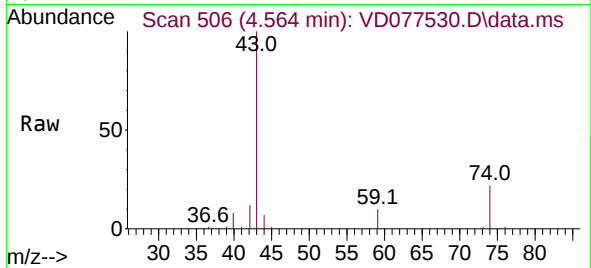




#15  
Methyl Acetate  
Concen: 26.154 ug/L  
RT: 4.564 min Scan# 507  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

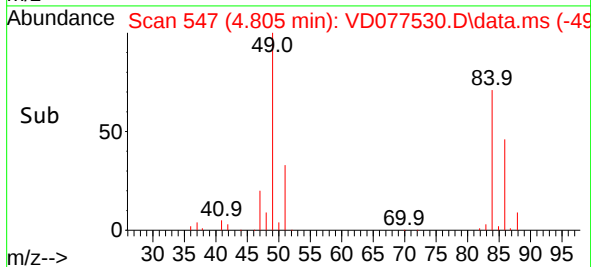
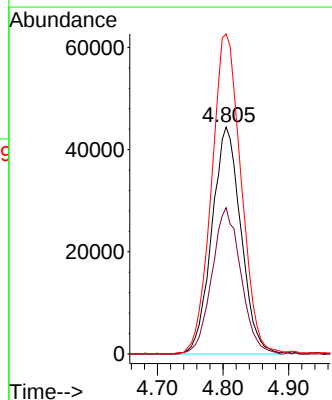
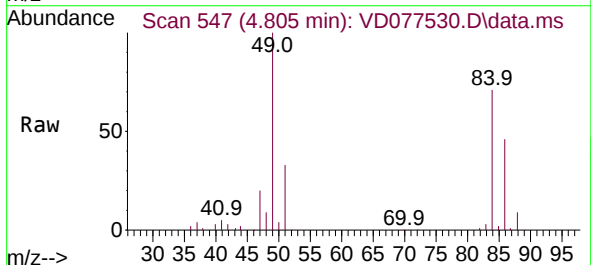
Instrument :  
MSVOA\_D  
ClientSampleId :

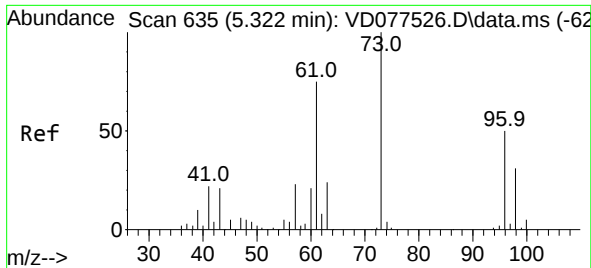
Tgt Ion: 43 Resp: 70627  
Ion Ratio Lower Upper  
43 100  
74 19.8 16.6 24.8



#16  
Methylene chloride  
Concen: 22.828 ug/L  
RT: 4.805 min Scan# 547  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 84 Resp: 136659  
Ion Ratio Lower Upper  
84 100  
86 64.5 46.5 86.5  
49 141.1 98.3 182.7

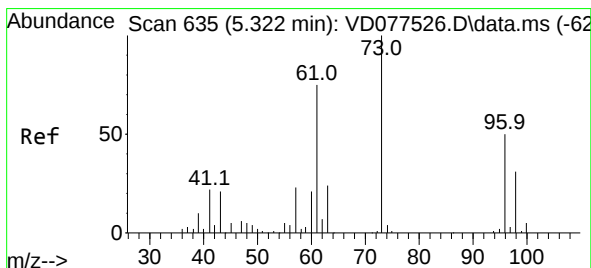
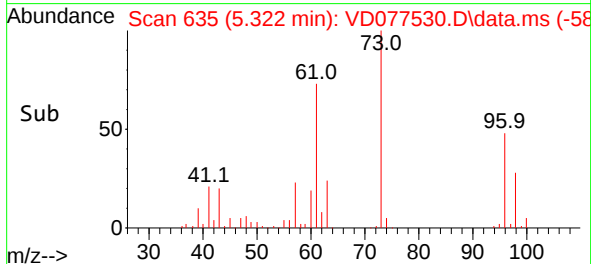
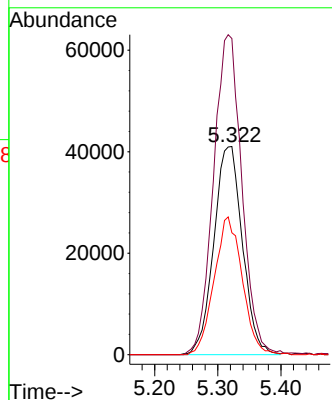
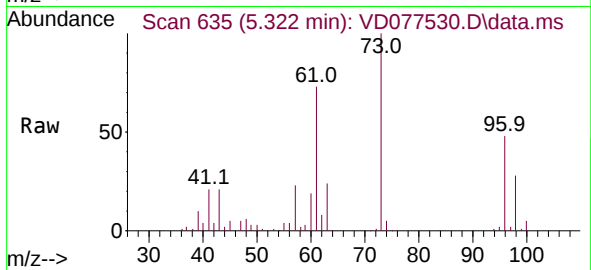




#17  
trans-1,2-Dichloroethene  
Concen: 24.324 ug/L  
RT: 5.322 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

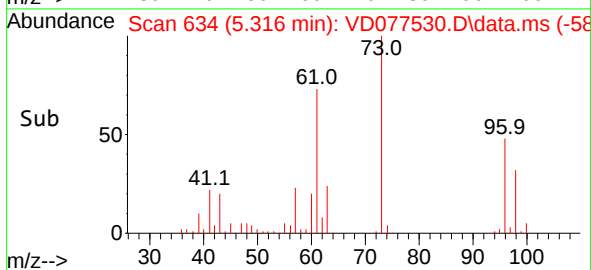
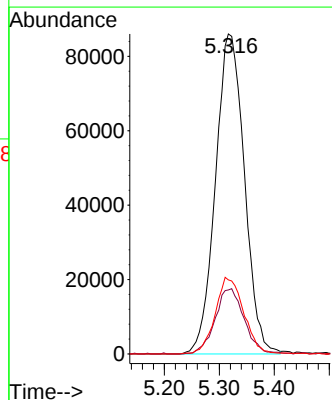
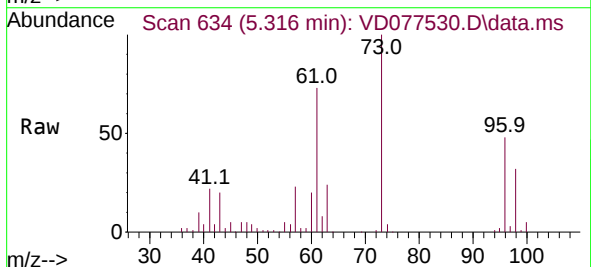
Instrument :  
MSVOA\_D  
ClientSampleId :

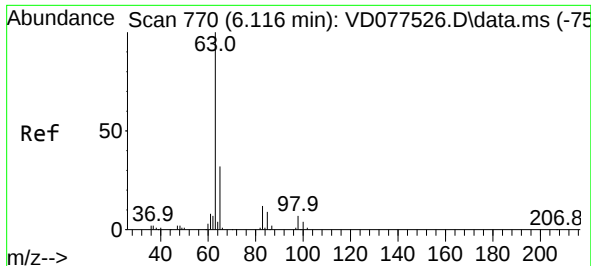
Tgt Ion: 96 Resp: 129015  
Ion Ratio Lower Upper  
96 100  
61 151.9 104.0 193.2  
98 58.6 43.1 80.1



#18  
Methyl tert-butyl Ether  
Concen: 25.280 ug/L  
RT: 5.316 min Scan# 634  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 73 Resp: 314710  
Ion Ratio Lower Upper  
73 100  
43 20.3 16.4 24.6  
57 23.0 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.726 ug/L

RT: 6.116 min Scan# 770

Delta R.T. -0.000 min

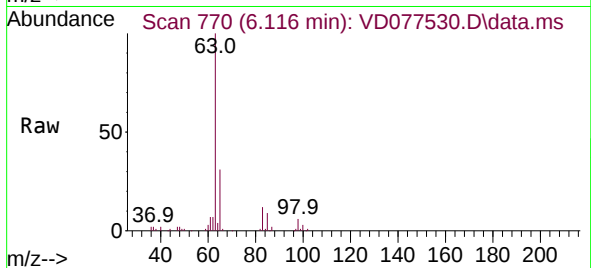
Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

ClientSampleId :



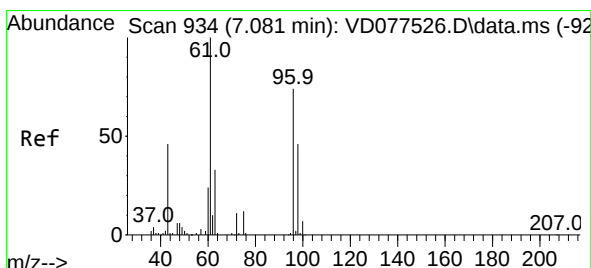
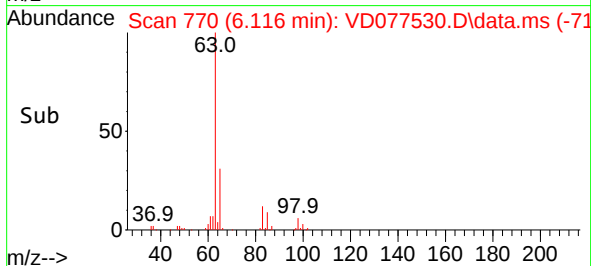
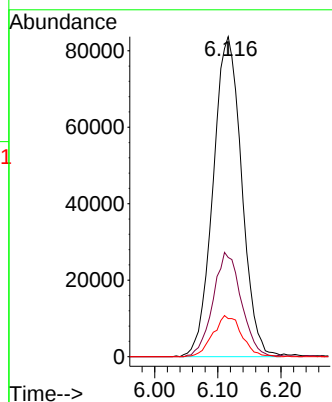
Tgt Ion: 63 Resp: 263131

Ion Ratio Lower Upper

63 100

65 31.0 22.6 42.0

83 11.9 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 24.904 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

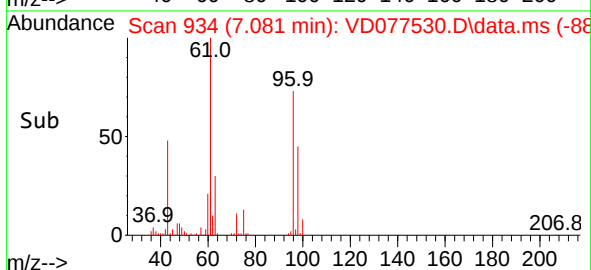
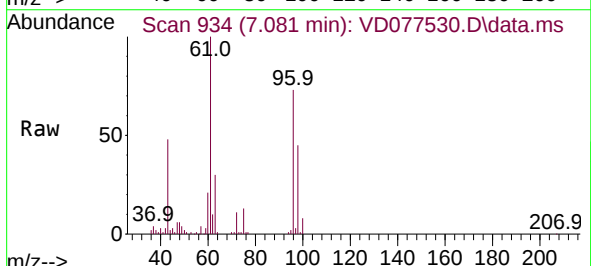
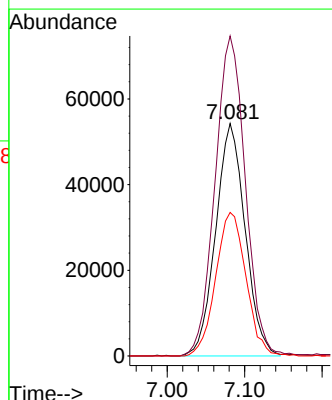
Tgt Ion: 96 Resp: 143509

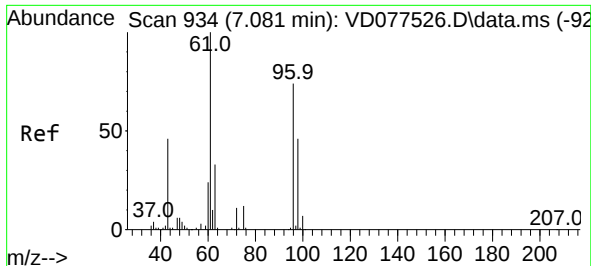
Ion Ratio Lower Upper

96 100

61 137.6 95.0 176.4

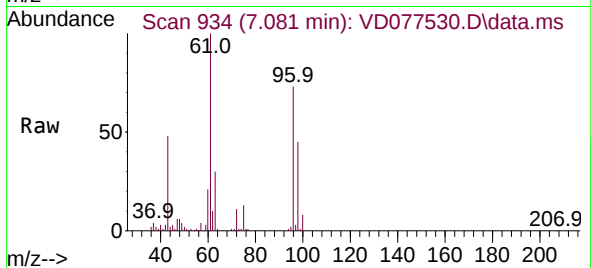
98 61.7 43.1 80.1



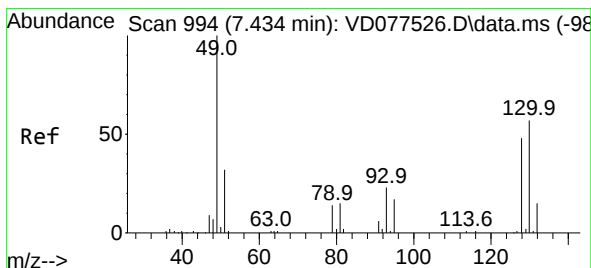
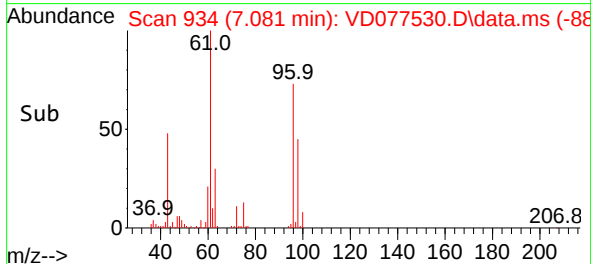
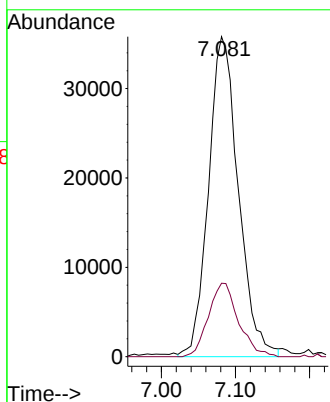


#22  
2-Butanone  
Concen: 50.781 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Instrument :  
MSVOA\_D  
ClientSampleId :

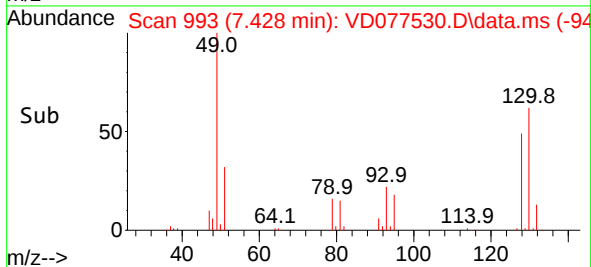
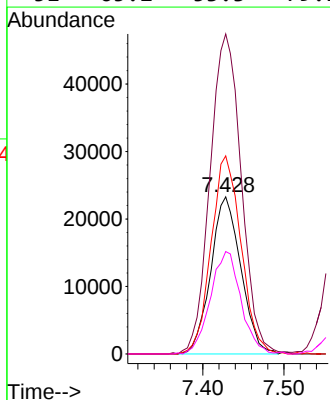
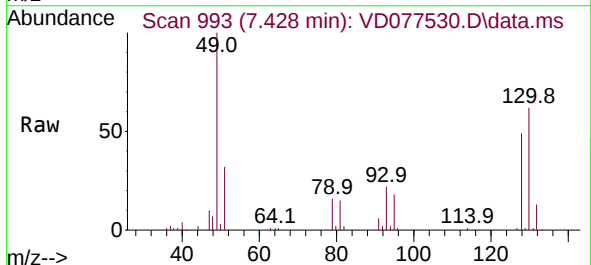


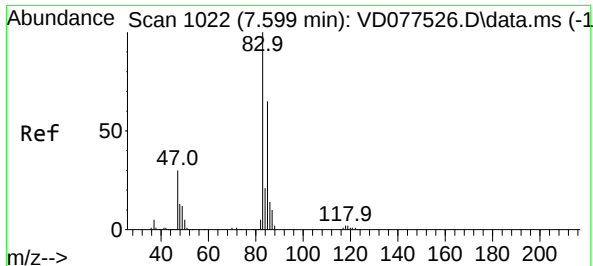
Tgt Ion: 43 Resp: 100295  
Ion Ratio Lower Upper  
43 100  
72 22.7 12.8 38.4



#23  
Bromochloromethane  
Concen: 25.847 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion:128 Resp: 59847  
Ion Ratio Lower Upper  
128 100  
49 203.7 146.7 272.5  
130 126.1 83.2 154.6  
51 65.2 53.3 79.9





#25

Chloroform

Concen: 25.068 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

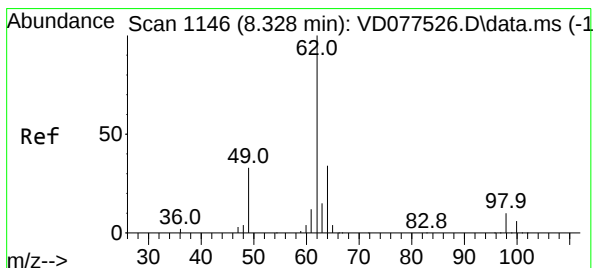
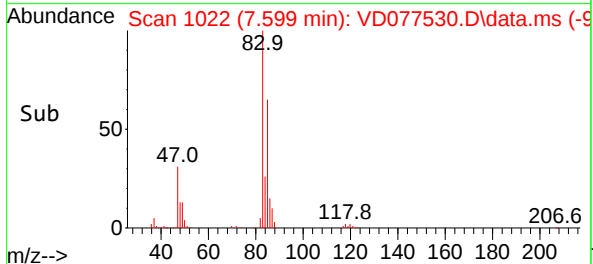
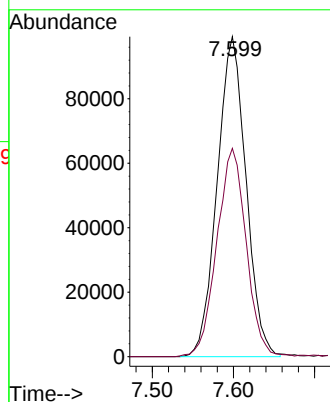
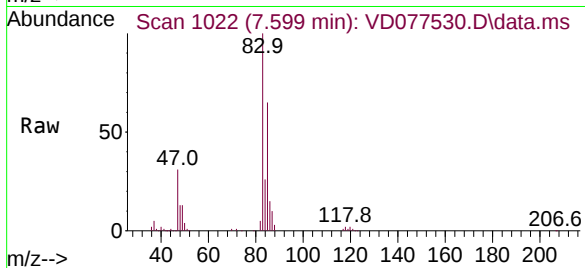
ClientSampleId :

Tgt Ion: 83 Resp: 245066

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3



#27

1,2-Dichloroethane

Concen: 25.038 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077530.D

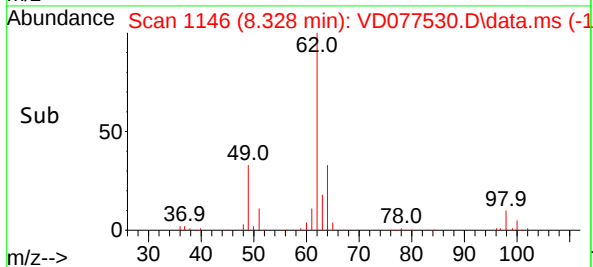
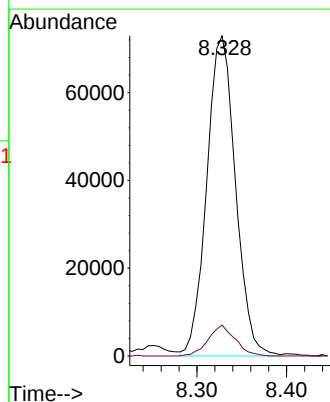
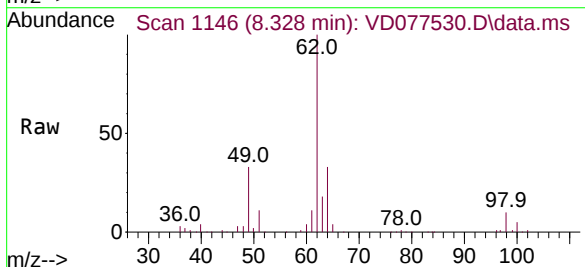
Acq: 09 Nov 2023 11:59

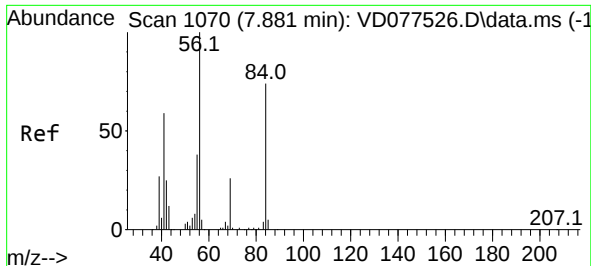
Tgt Ion: 62 Resp: 162257

Ion Ratio Lower Upper

62 100

98 9.7 8.0 12.0





#29

Cyclohexane

Concen: 23.882 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

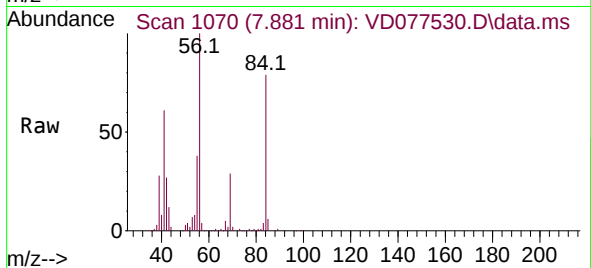
Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

ClientSampleId :



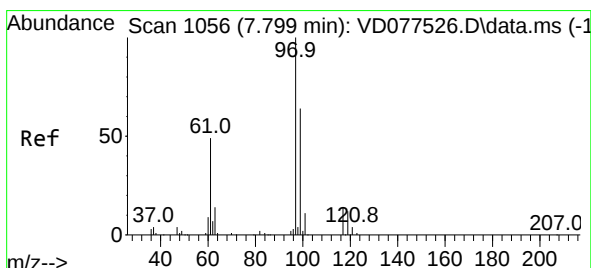
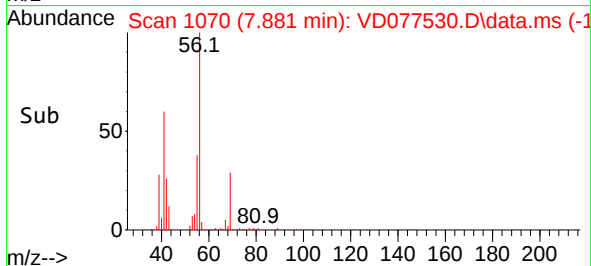
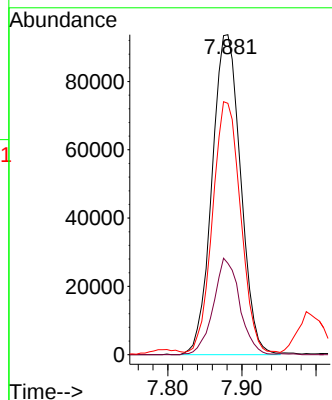
Tgt Ion: 56 Resp: 251362

Ion Ratio Lower Upper

56 100

69 27.6 22.6 33.8

84 77.6 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 24.415 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

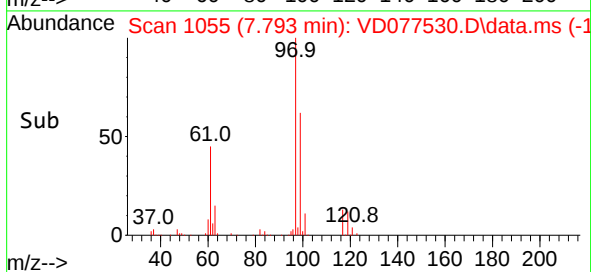
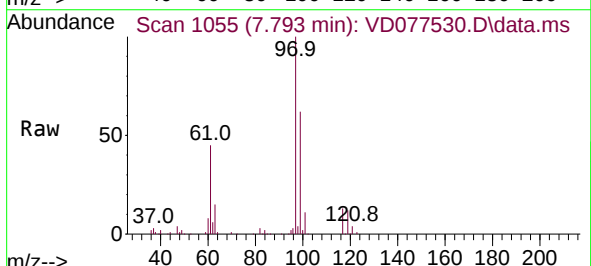
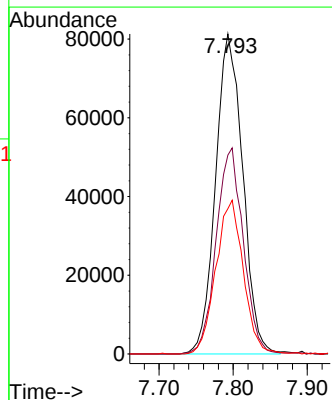
Tgt Ion: 97 Resp: 207189

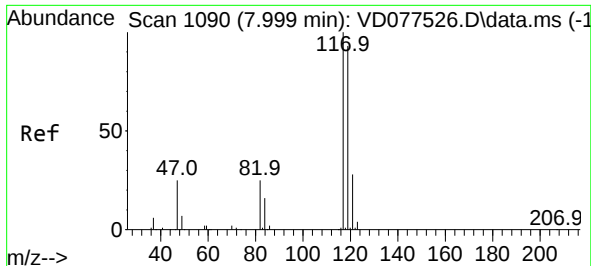
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 48.6 38.1 57.1

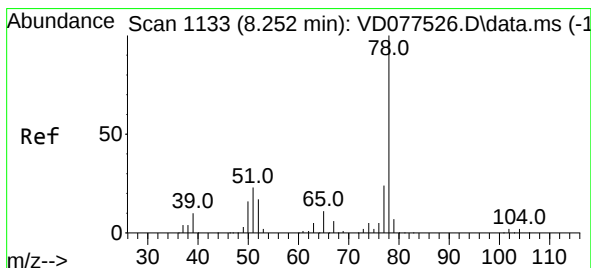
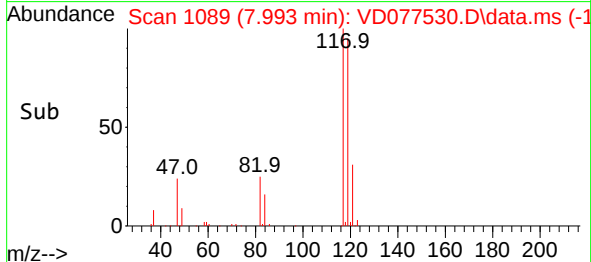
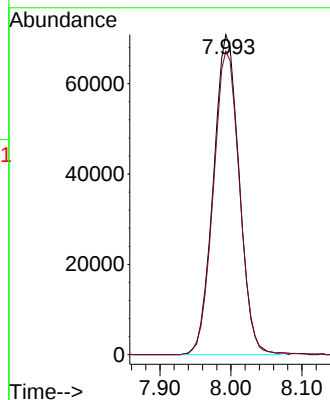
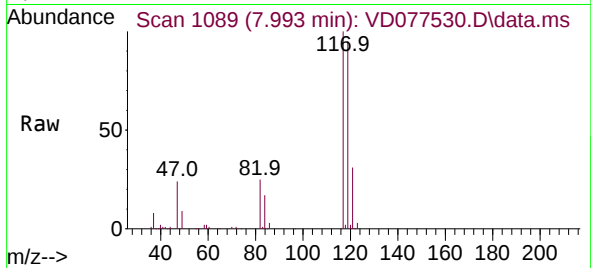




#31  
Carbon tetrachloride  
Concen: 24.444 ug/L  
RT: 7.993 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

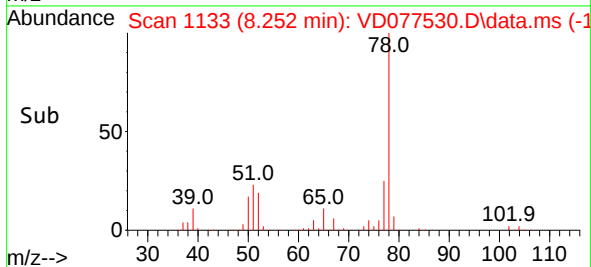
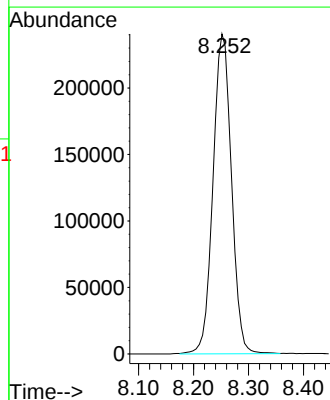
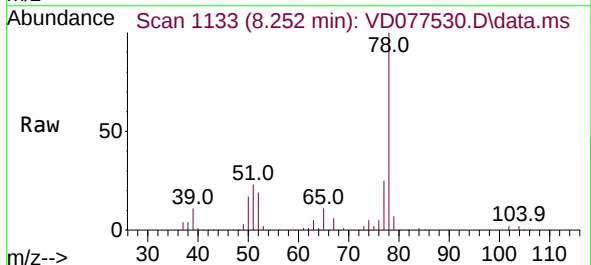
Instrument :  
MSVOA\_D  
ClientSampleId :

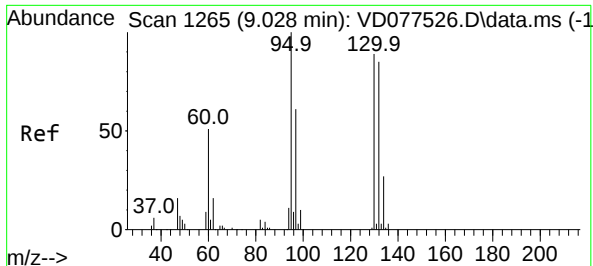
Tgt Ion:117 Resp: 178270  
Ion Ratio Lower Upper  
117 100  
119 96.2 75.4 113.0



#33  
Benzene  
Concen: 24.961 ug/L  
RT: 8.252 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

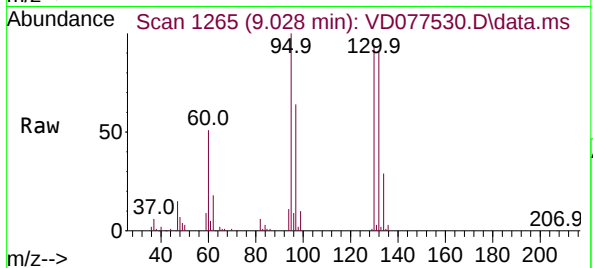
Tgt Ion: 78 Resp: 561117



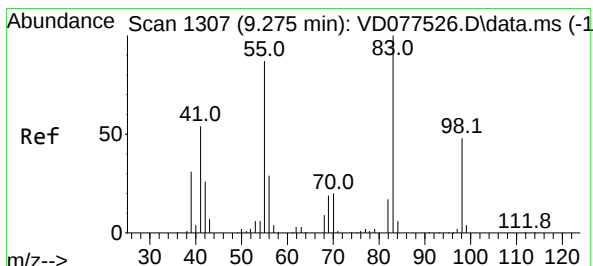
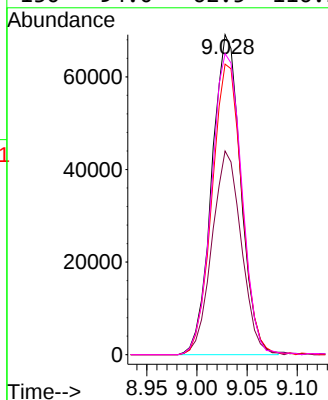
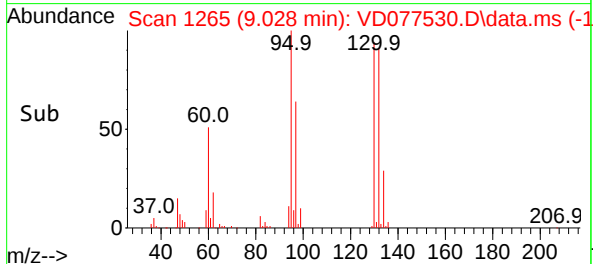


#34  
Trichloroethene  
Concen: 24.812 ug/L  
RT: 9.028 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

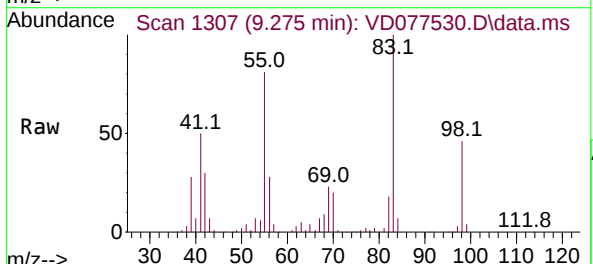
Instrument :  
MSVOA\_D  
ClientSampleId :



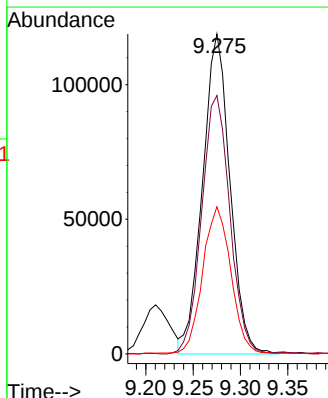
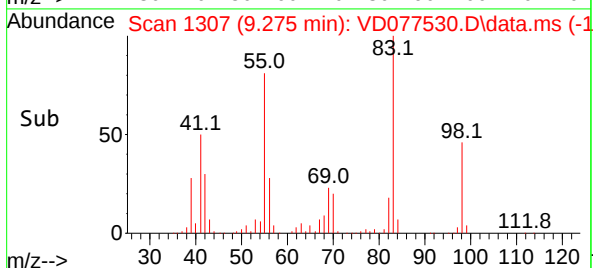
Tgt Ion: 95 Resp: 138207  
Ion Ratio Lower Upper  
95 100  
97 63.6 42.4 78.6  
132 90.8 59.4 110.2  
130 94.0 62.5 116.1

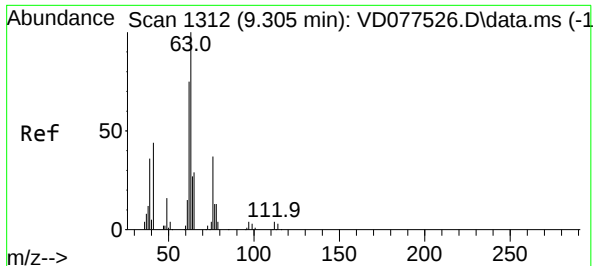


#35  
Methylcyclohexane  
Concen: 23.788 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59



Tgt Ion: 83 Resp: 239109  
Ion Ratio Lower Upper  
83 100  
55 83.1 66.5 99.7  
98 47.0 37.4 56.2





#37

1,2-Dichloropropane

Concen: 24.691 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

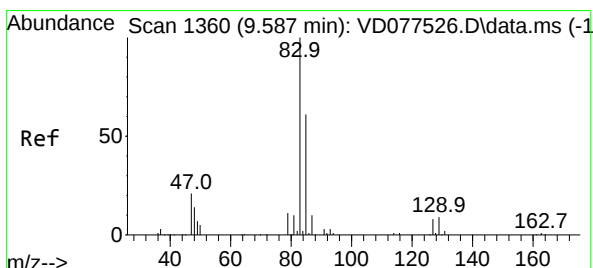
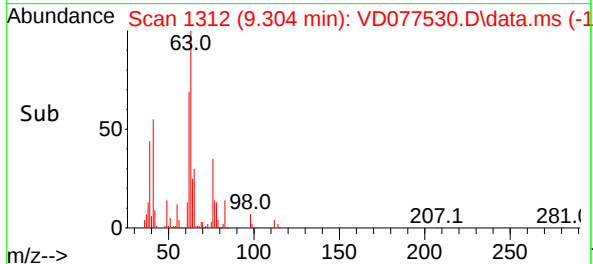
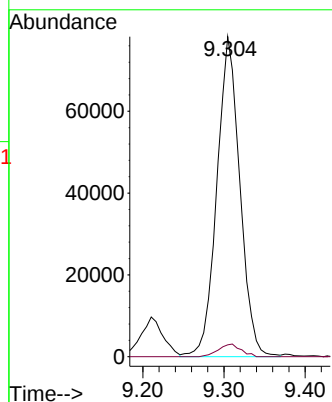
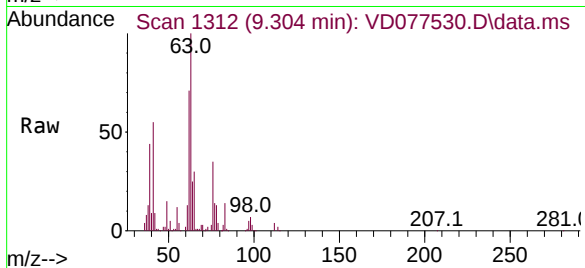
ClientSampleId :

Tgt Ion: 63 Resp: 154301

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 25.179 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

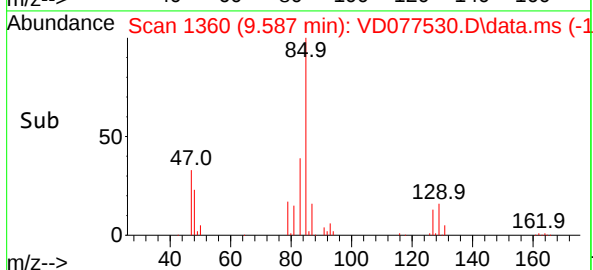
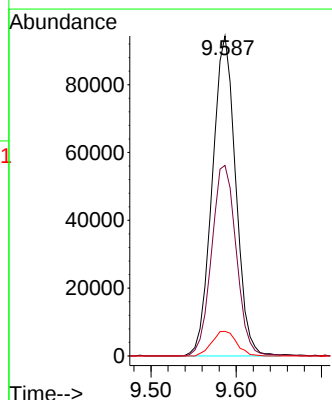
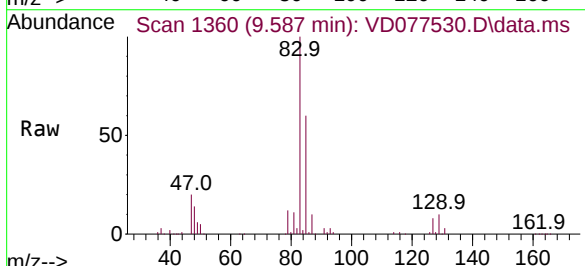
Tgt Ion: 83 Resp: 180486

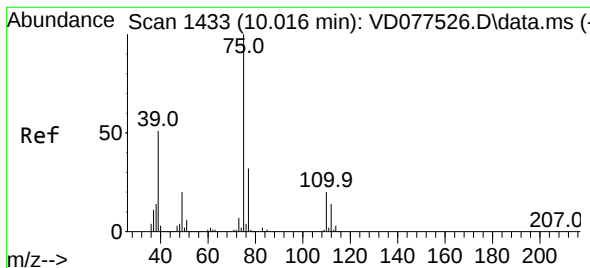
Ion Ratio Lower Upper

83 100

85 59.6 42.4 78.8

127 7.7 6.4 9.6

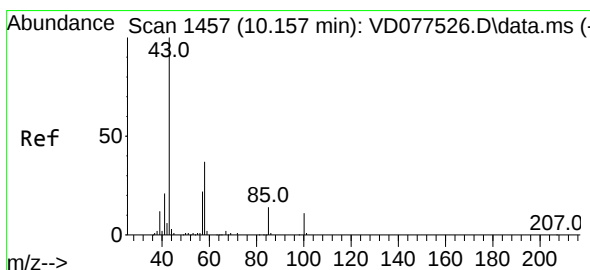
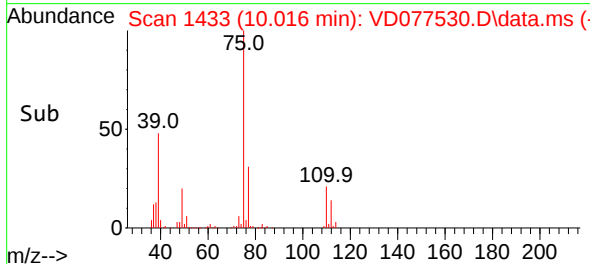
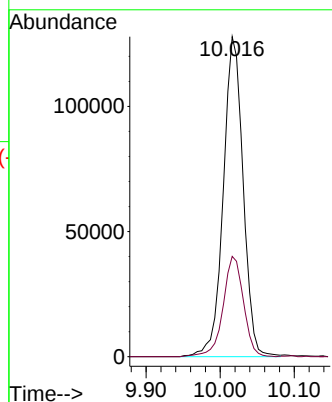
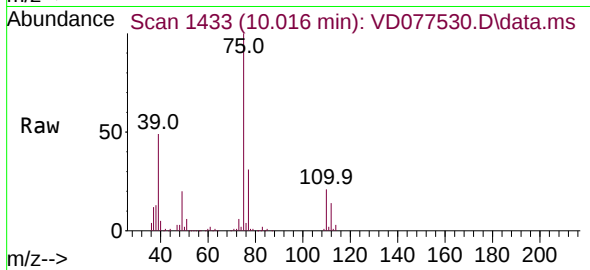




#39  
 cis-1,3-Dichloropropene  
 Concen: 24.766 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

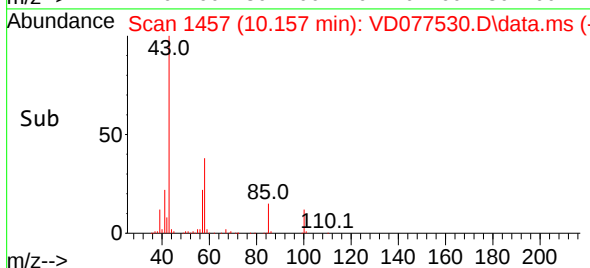
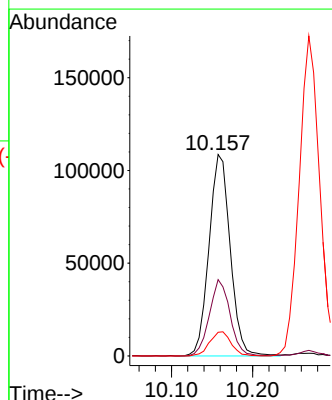
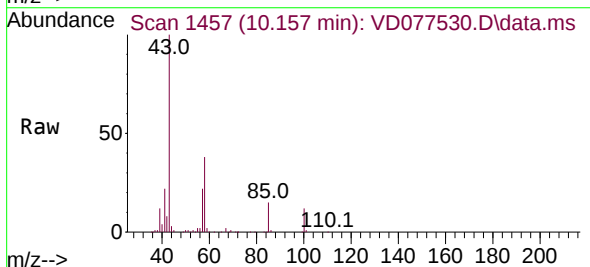
Instrument :  
 MSVOA\_D  
 ClientSampleId :

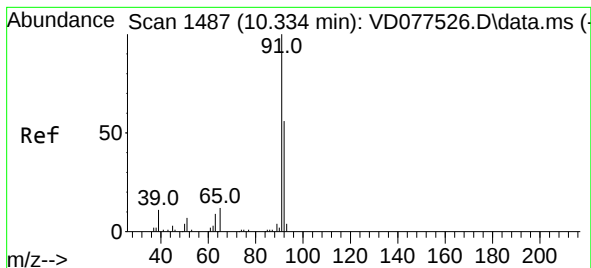
Tgt Ion: 75 Resp: 237828  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 51.793 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Tgt Ion: 43 Resp: 197243  
 Ion Ratio Lower Upper  
 43 100  
 58 36.9 29.8 44.8  
 100 12.1 9.5 14.3





#42

Toluene

Concen: 24.813 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

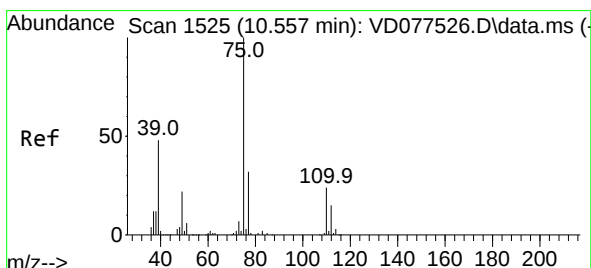
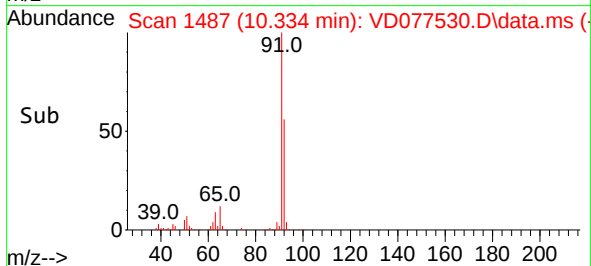
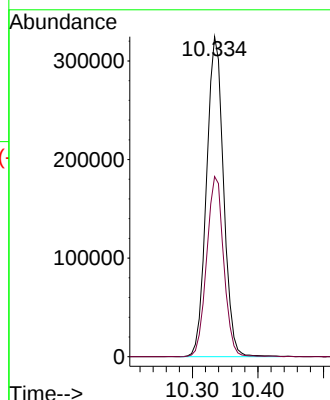
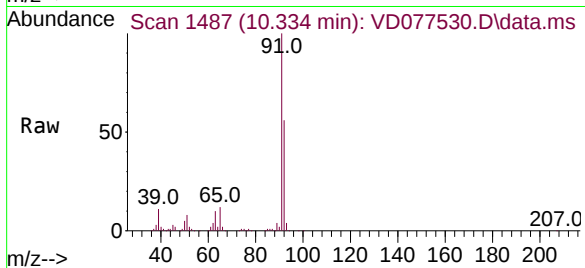
ClientSampleId :

Tgt Ion: 91 Resp: 585619

Ion Ratio Lower Upper

91 100

92 56.3 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 25.238 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD077530.D

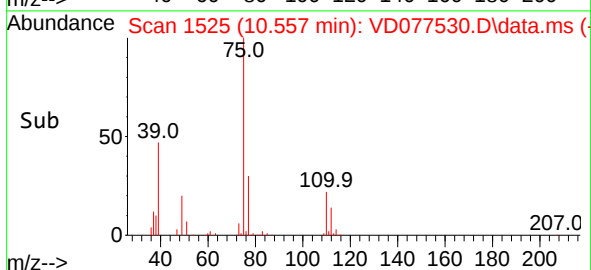
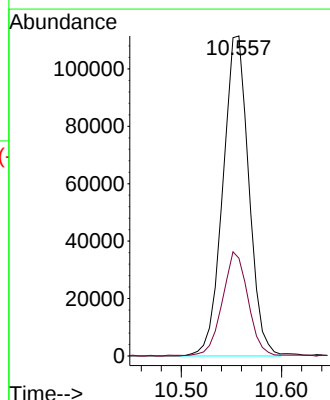
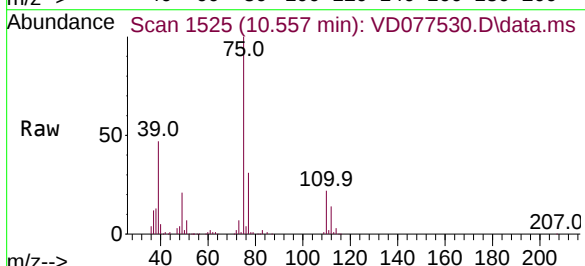
Acq: 09 Nov 2023 11:59

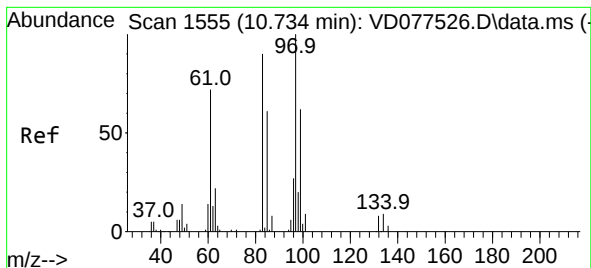
Tgt Ion: 75 Resp: 200259

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 25.115 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 97 Resp: 95938

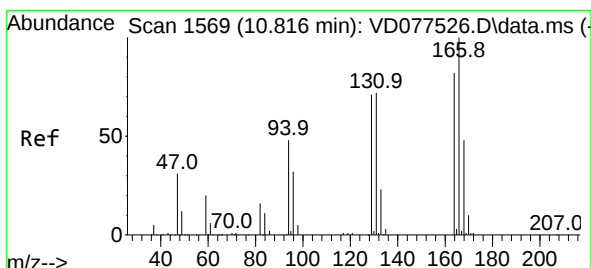
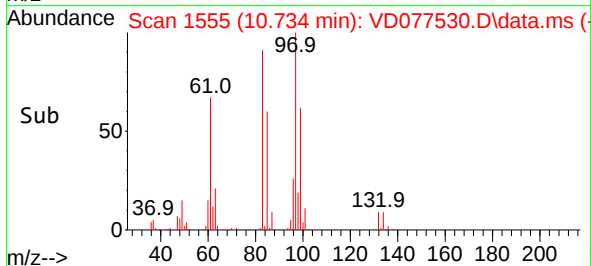
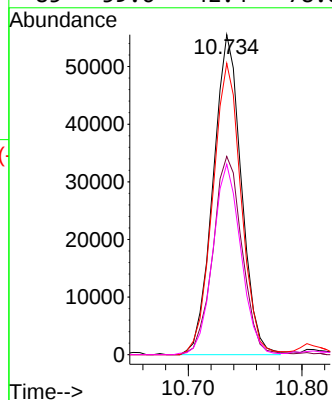
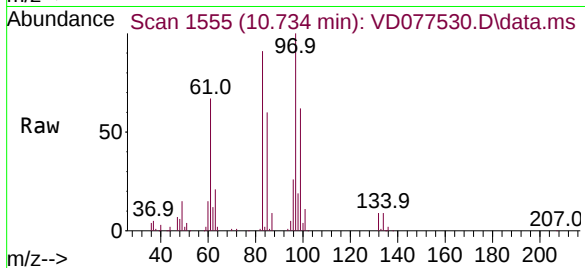
Ion Ratio Lower Upper

97 100

99 61.9 43.5 80.7

83 91.0 63.1 117.3

85 59.6 42.4 78.8



#46

Tetrachloroethene

Concen: 24.524 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.006 min

Lab File: VD077530.D

Acq: 09 Nov 2023 11:59

Tgt Ion:164 Resp: 100511

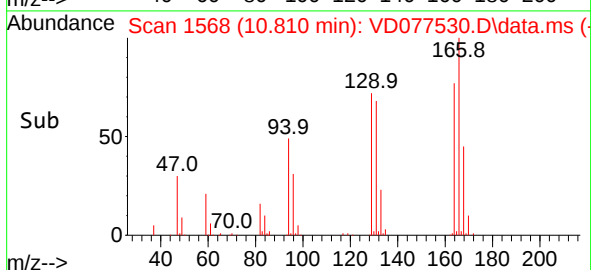
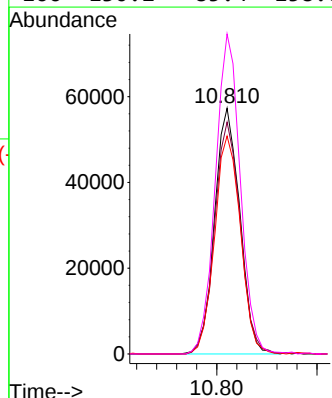
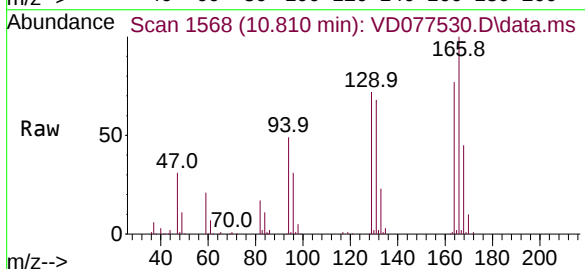
Ion Ratio Lower Upper

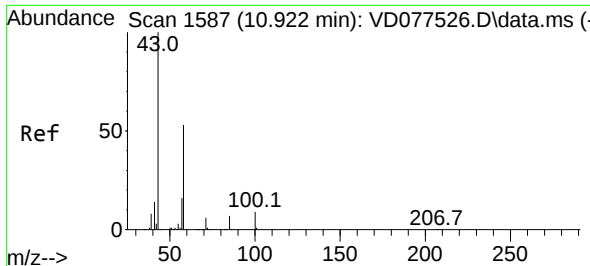
164 100

129 94.4 60.6 112.6

131 88.7 61.6 114.4

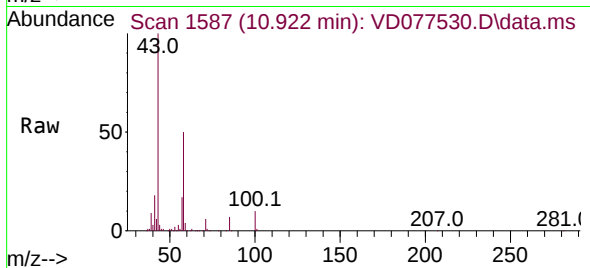
166 130.2 85.4 158.6



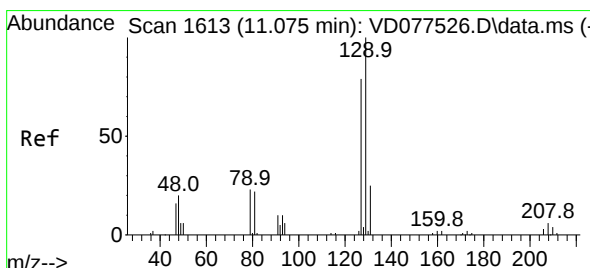
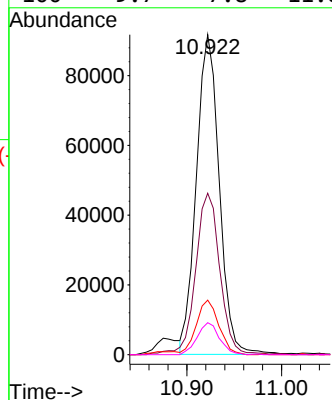
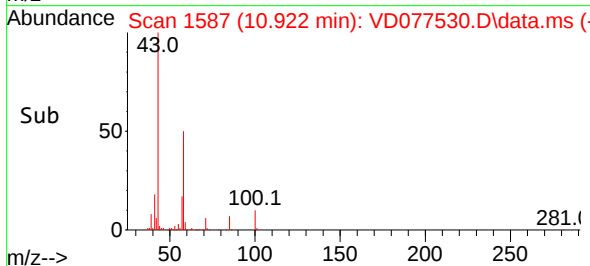


#48  
2-Hexanone  
Concen: 50.984 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Instrument :  
MSVOA\_D  
ClientSampleId :

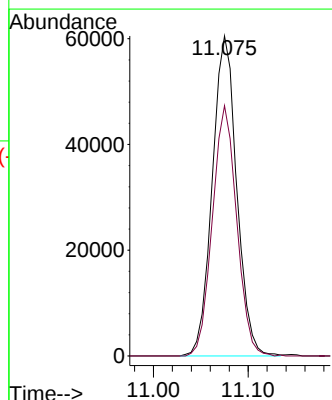
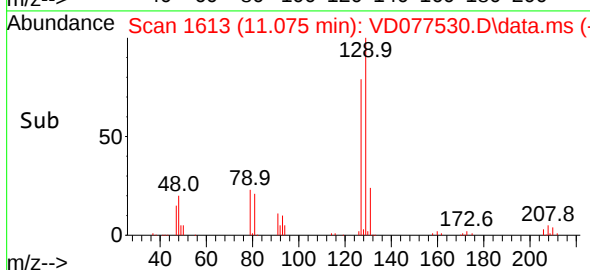
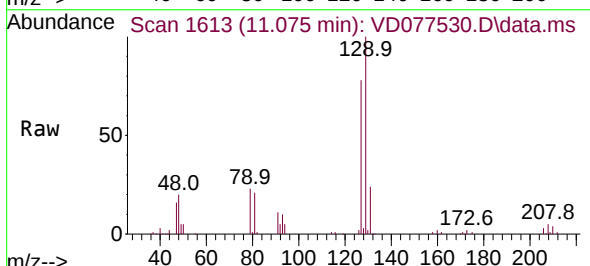


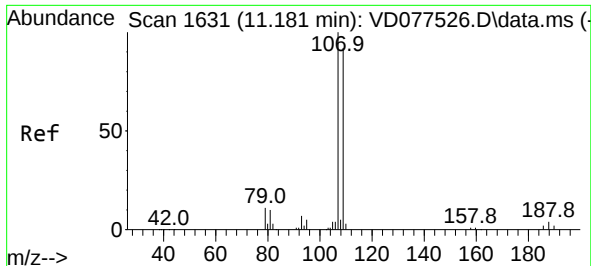
Tgt Ion: 43 Resp: 153900  
Ion Ratio Lower Upper  
43 100  
58 52.5 40.8 61.2  
57 16.8 13.7 20.5  
100 9.7 7.8 11.8



#49  
Dibromochloromethane  
Concen: 25.013 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 129 Resp: 108537  
Ion Ratio Lower Upper  
129 100  
127 78.2 54.9 102.1

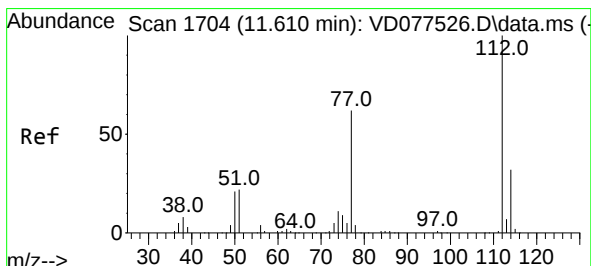
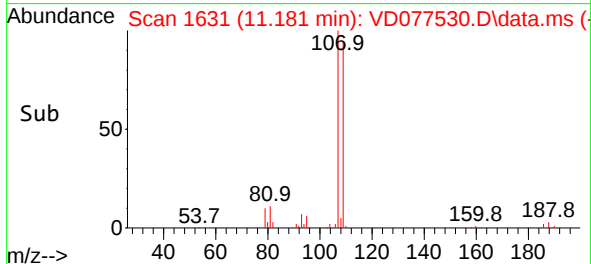
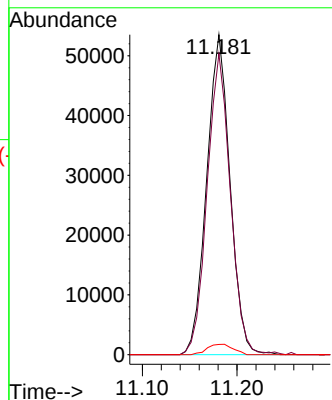
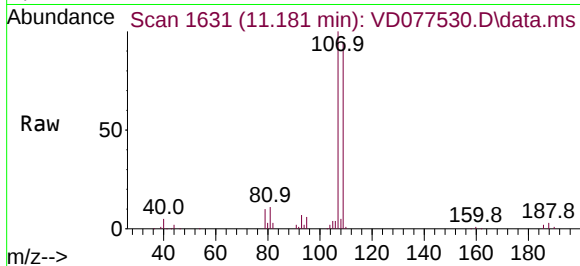




#50  
1,2-Dibromoethane  
Concen: 25.106 ug/L  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

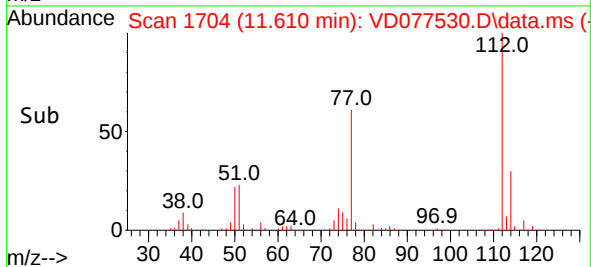
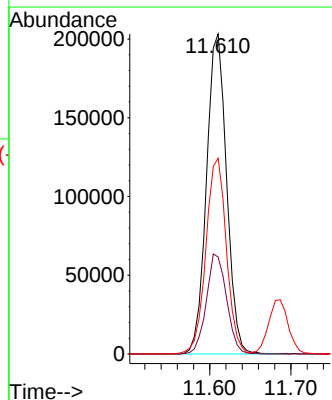
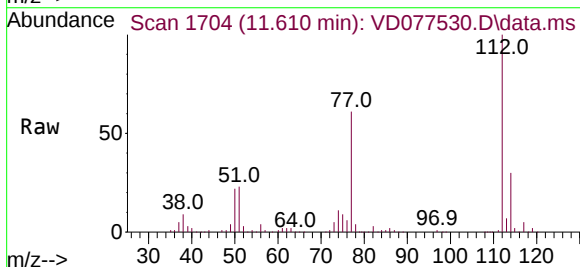
Instrument :  
MSVOA\_D  
ClientSampleId :

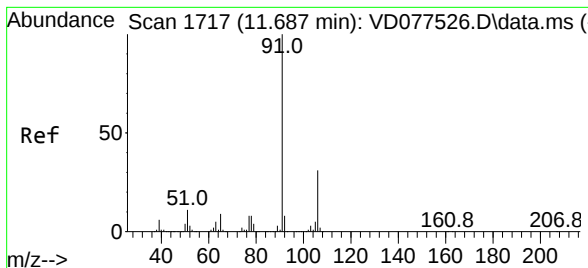
Tgt Ion:107 Resp: 91712  
Ion Ratio Lower Upper  
107 100  
109 94.1 64.8 120.3  
188 3.2 3.2 4.8



#51  
Chlorobenzene  
Concen: 25.253 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion:112 Resp: 349167  
Ion Ratio Lower Upper  
112 100  
114 30.3 22.4 41.6  
77 61.2 49.6 74.4

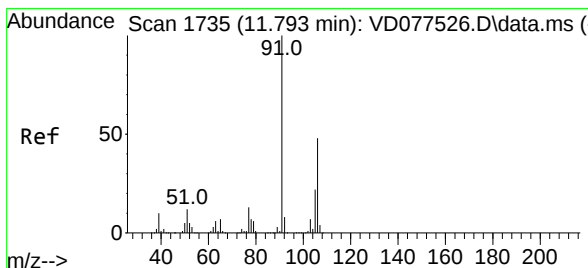
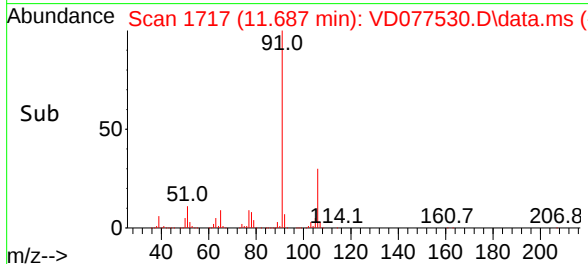
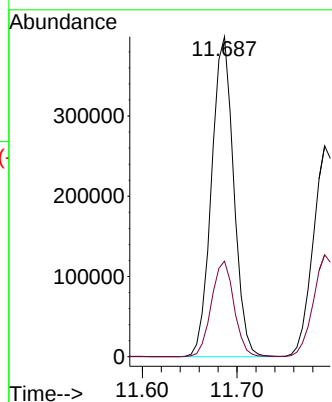
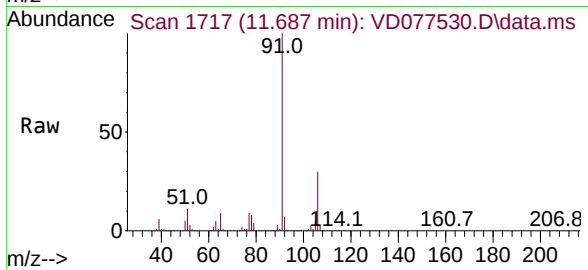




#52  
Ethylbenzene  
Concen: 24.942 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

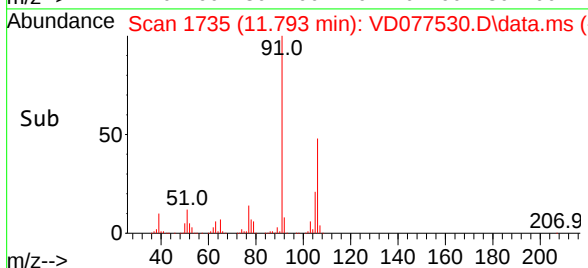
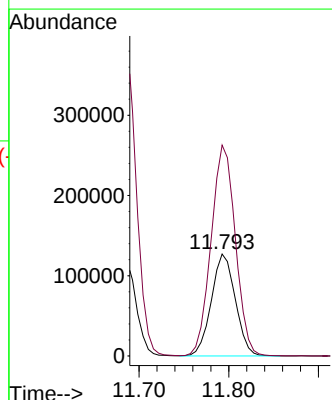
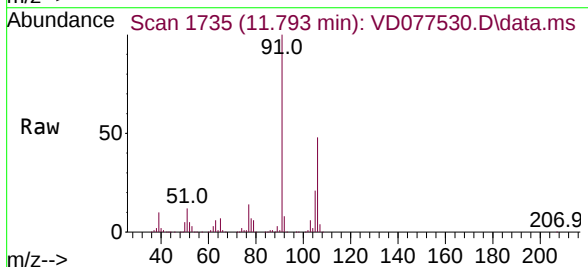
Instrument :  
MSVOA\_D  
ClientSampleId :

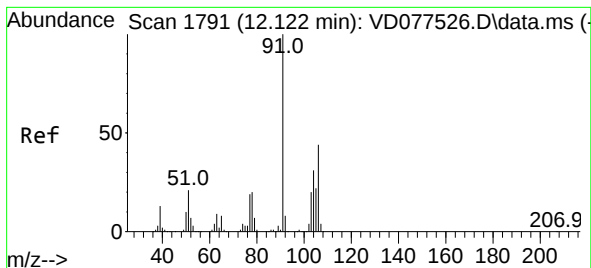
Tgt Ion: 91 Resp: 647734  
Ion Ratio Lower Upper  
91 100  
106 29.8 22.0 40.8



#53  
m,p-Xylene  
Concen: 24.970 ug/L  
RT: 11.793 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 106 Resp: 235968  
Ion Ratio Lower Upper  
106 100  
91 207.0 146.7 272.4

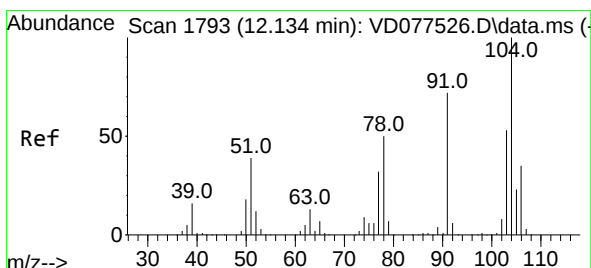
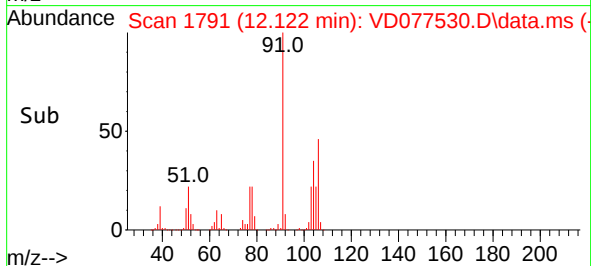
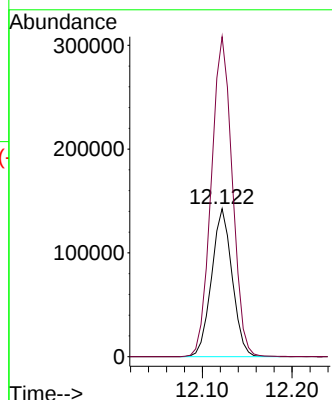
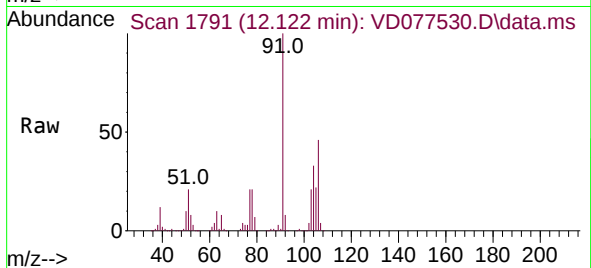




#54  
o-Xylene  
Concen: 25.102 ug/L  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

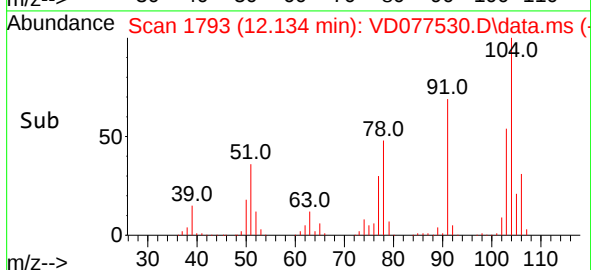
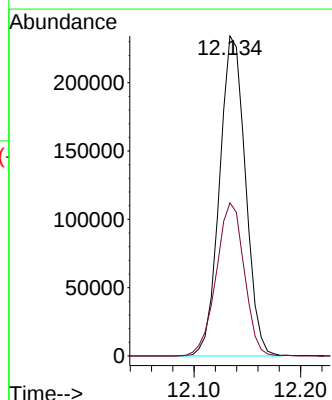
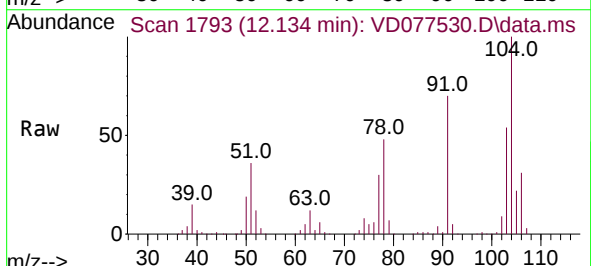
Instrument :  
MSVOA\_D  
ClientSampleId :

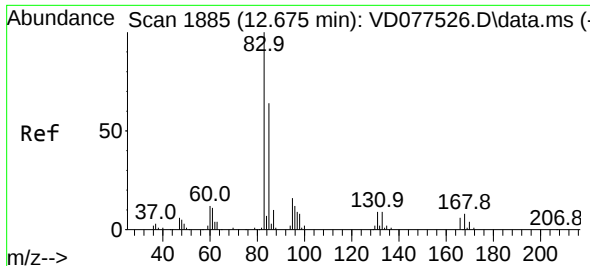
Tgt Ion:106 Resp: 227192  
Ion Ratio Lower Upper  
106 100  
91 216.3 158.5 294.4



#55  
Styrene  
Concen: 25.018 ug/L  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion:104 Resp: 395364  
Ion Ratio Lower Upper  
104 100  
78 47.8 34.9 64.9

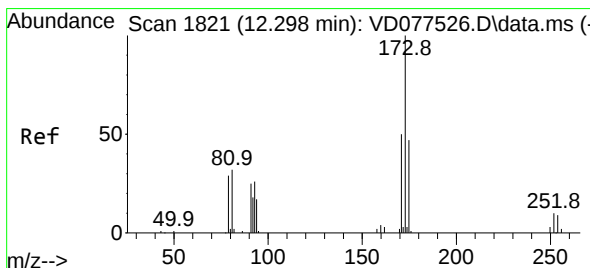
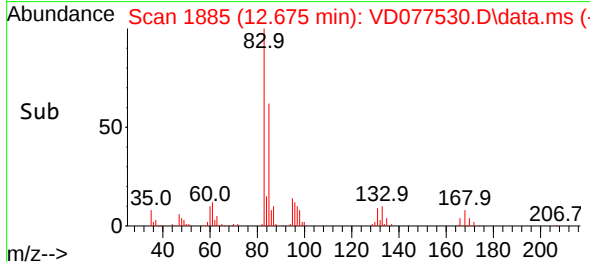
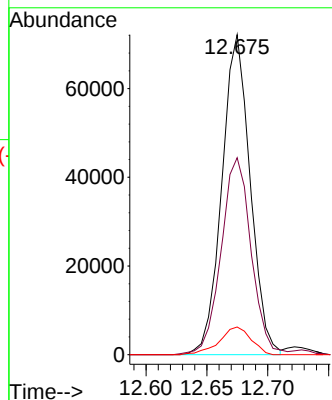
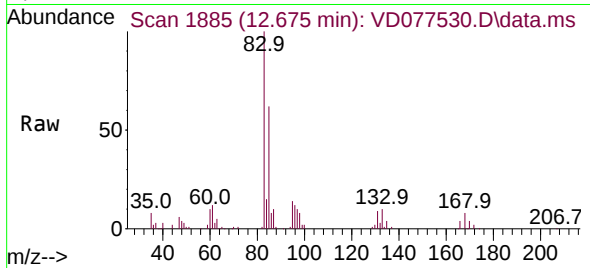




#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.947 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

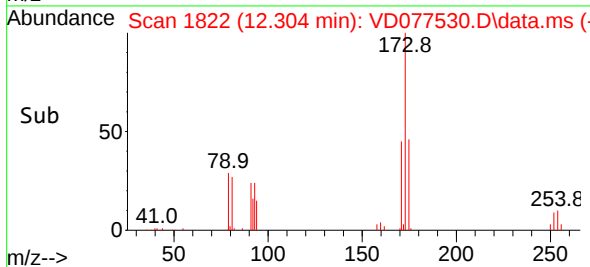
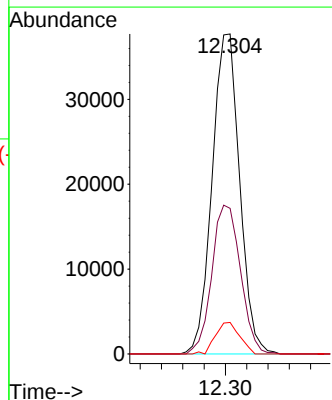
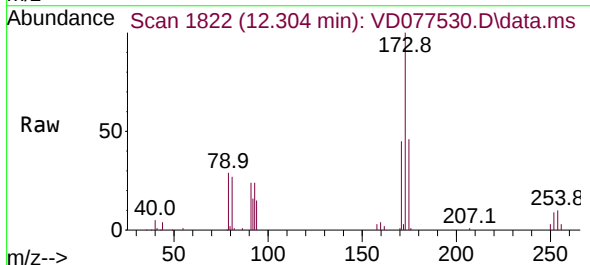
Instrument :  
MSVOA\_D  
ClientSampleId :

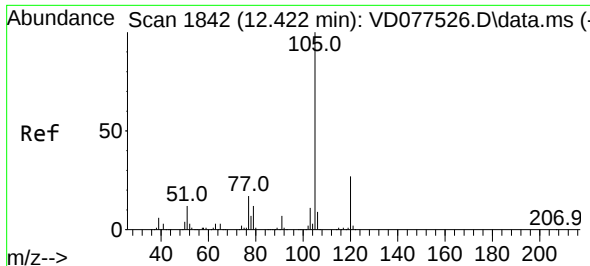
Tgt Ion: 83 Resp: 116764  
Ion Ratio Lower Upper  
83 100  
85 61.5 44.9 83.3  
131 8.6 7.2 10.8



#59  
Bromoform  
Concen: 25.988 ug/L  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 173 Resp: 67590  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.2 57.2  
254 8.5 7.1 10.7

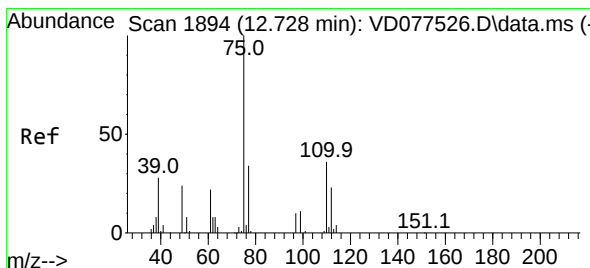
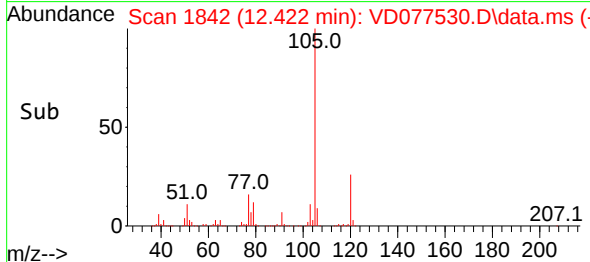
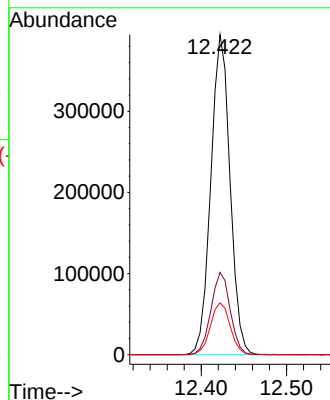
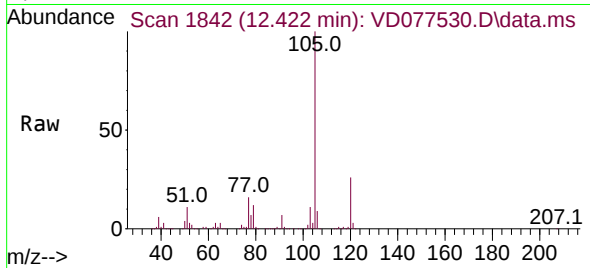




#60  
Isopropylbenzene  
Concen: 25.008 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

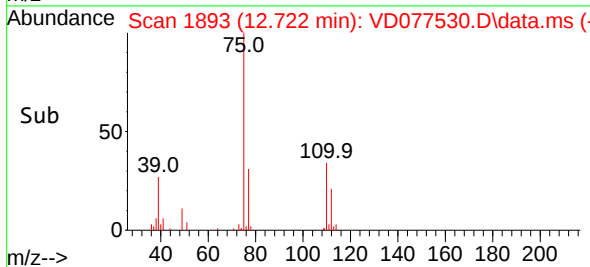
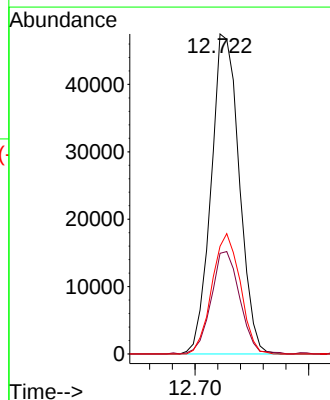
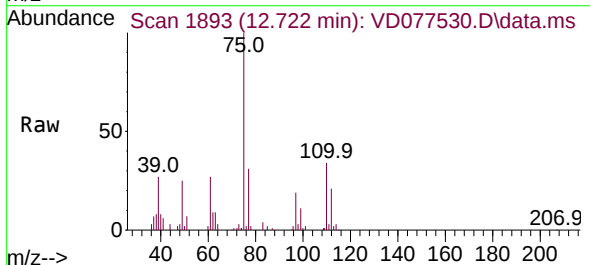
Instrument :  
MSVOA\_D  
ClientSampleId :

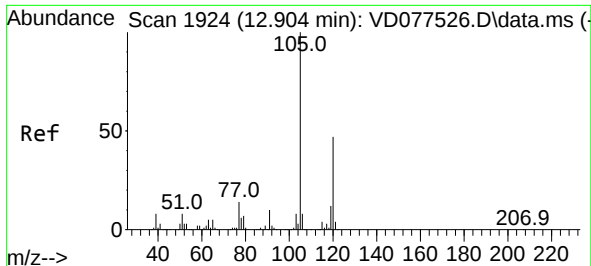
Tgt Ion:105 Resp: 617066  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.0 31.4  
77 16.7 13.4 20.2



#61  
1,2,3-Trichloropropane  
Concen: 25.126 ug/L  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion: 75 Resp: 81643  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.6 38.4  
110 37.8 29.6 44.4

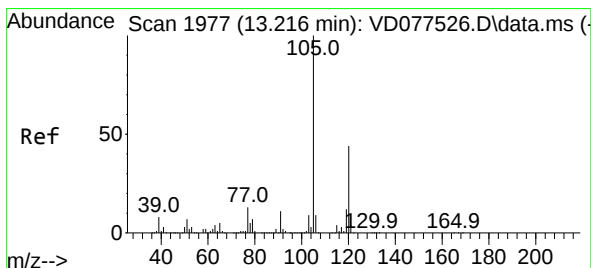
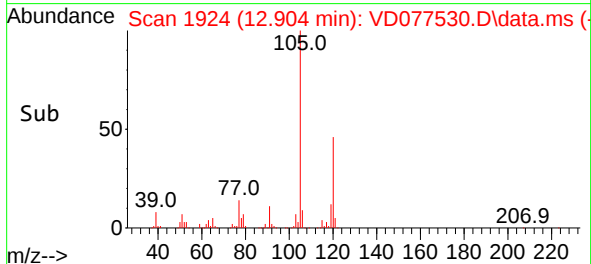
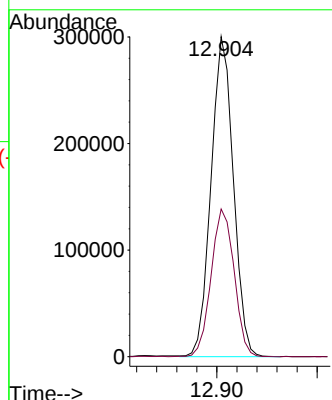
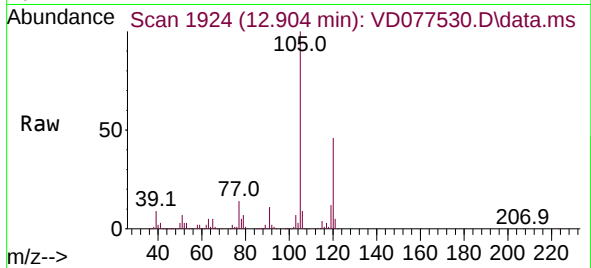




#62  
 1,3,5-Trimethylbenzene  
 Concen: 24.812 ug/L  
 RT: 12.904 min Scan# 1924  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

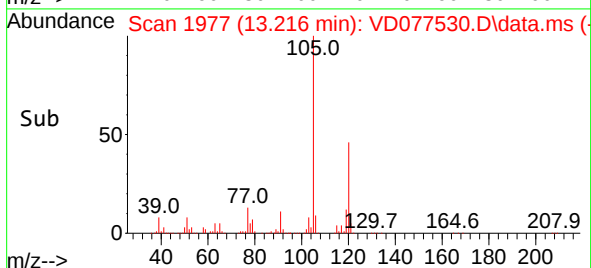
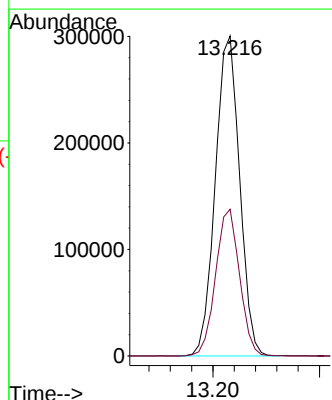
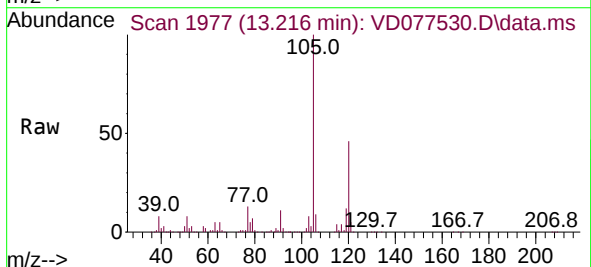
Instrument :  
 MSVOA\_D  
 ClientSampleId :

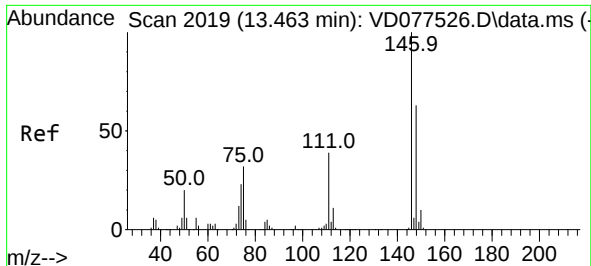
Tgt Ion:105 Resp: 464651  
 Ion Ratio Lower Upper  
 105 100  
 120 47.5 37.8 56.6



#63  
 1,2,4-Trimethylbenzene  
 Concen: 25.059 ug/L  
 RT: 13.216 min Scan# 1977  
 Delta R.T. -0.000 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Tgt Ion:105 Resp: 475361  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 35.6 53.4

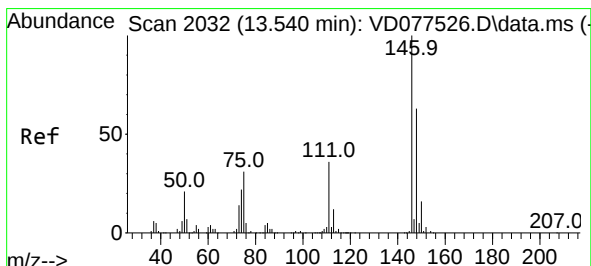
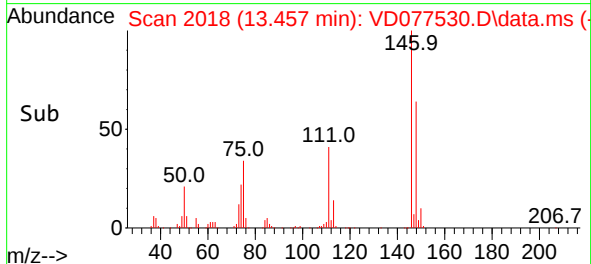
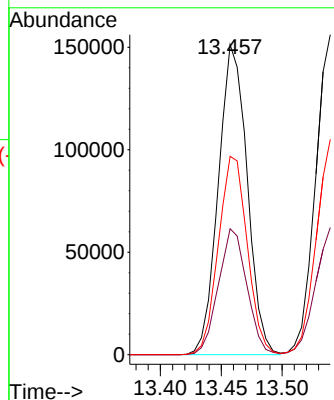
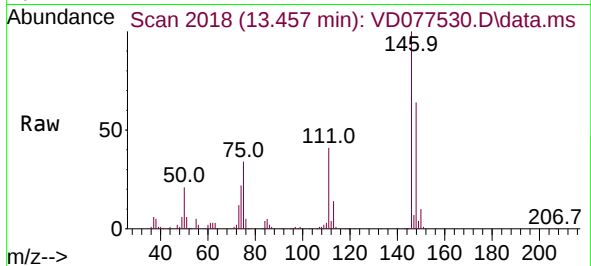




#64  
1,3-Dichlorobenzene  
Concen: 24.643 ug/L  
RT: 13.457 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

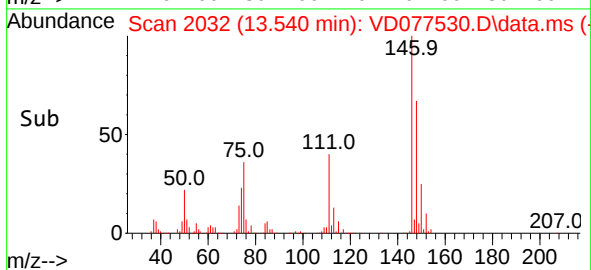
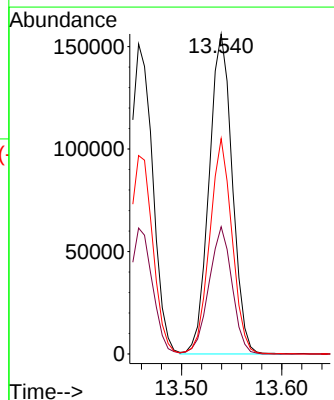
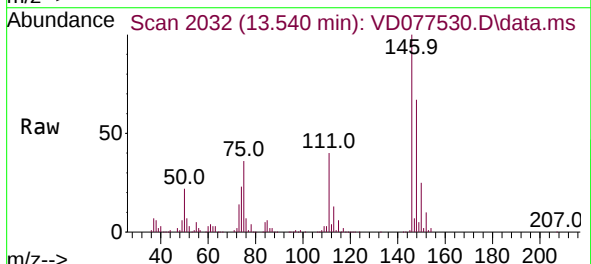
Instrument :  
MSVOA\_D  
ClientSampleId :

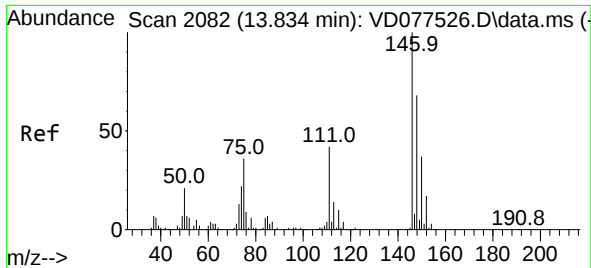
Tgt Ion:146 Resp: 249459  
Ion Ratio Lower Upper  
146 100  
111 40.6 27.2 50.6  
148 64.0 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 24.622 ug/L  
RT: 13.540 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Tgt Ion:146 Resp: 251538  
Ion Ratio Lower Upper  
146 100  
111 39.7 25.6 47.4  
148 67.3 44.1 81.9

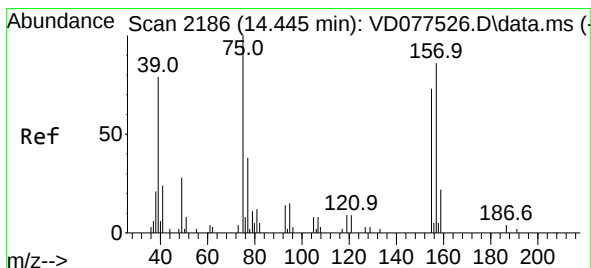
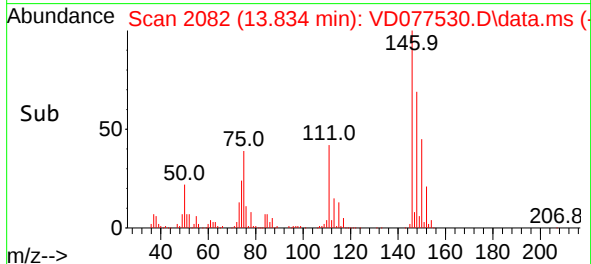
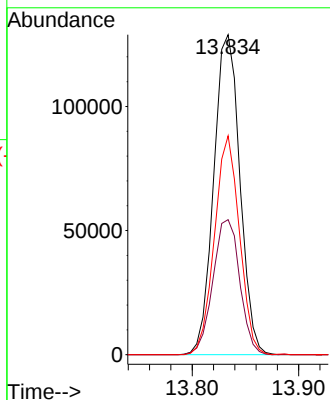
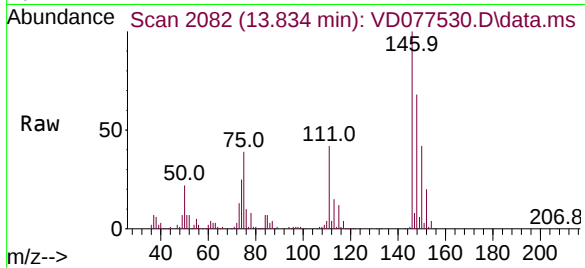




#67  
1,2-Dichlorobenzene  
Concen: 24.550 ug/L  
RT: 13.834 min Scan# 2082  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

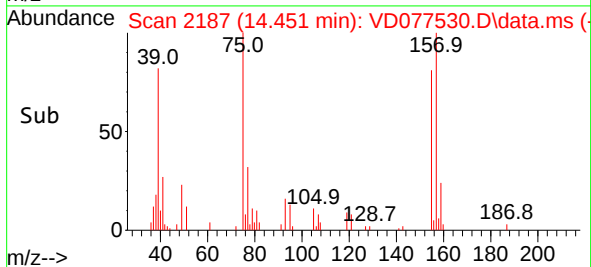
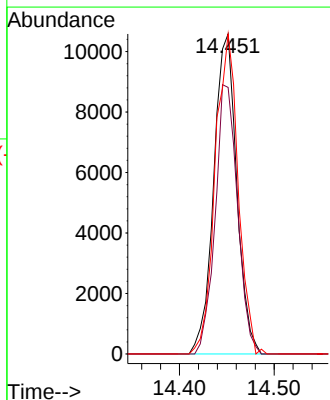
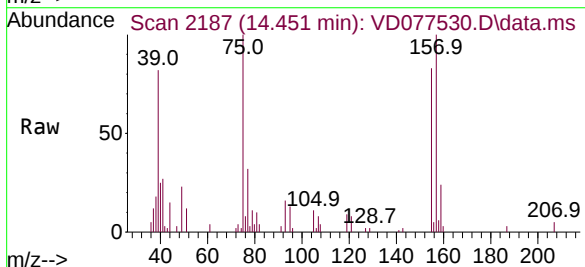
Instrument :  
MSVOA\_D  
ClientSampleId :

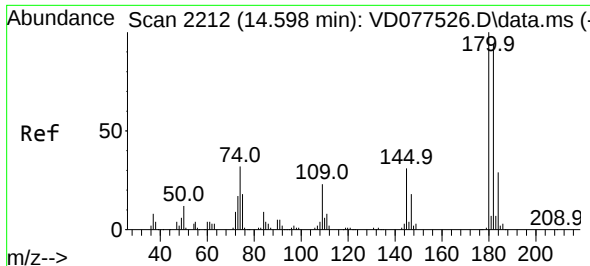
Tgt Ion:146 Resp: 219711  
Ion Ratio Lower Upper  
146 100  
111 42.2 33.8 50.6  
148 68.4 54.3 81.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 25.250 ug/L  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

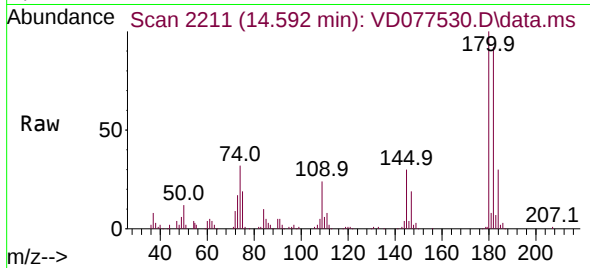
Tgt Ion: 75 Resp: 17846  
Ion Ratio Lower Upper  
75 100  
155 83.3 58.2 87.2  
157 100.0 68.7 103.1



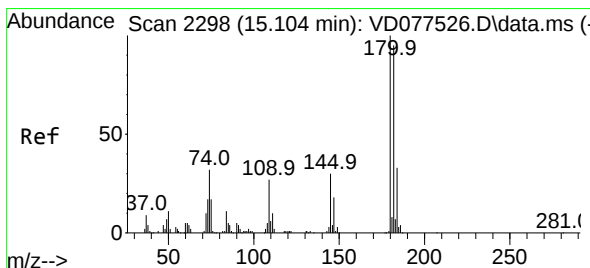
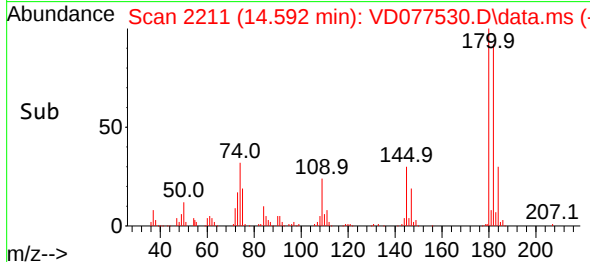
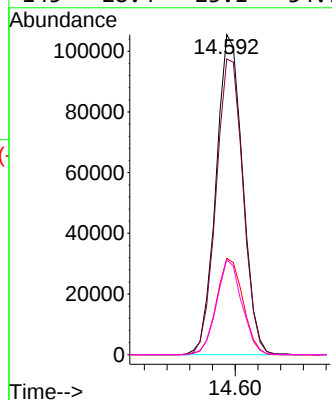


#69  
 1,3,5-Trichlorobenzene  
 Concen: 24.868 ug/L  
 RT: 14.592 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :

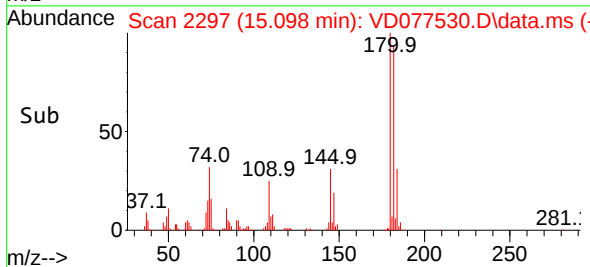
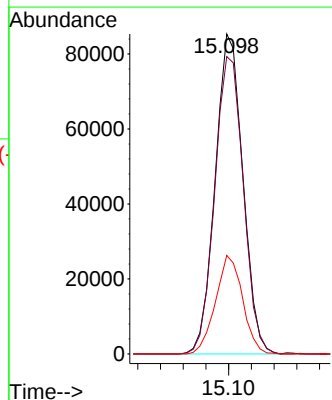
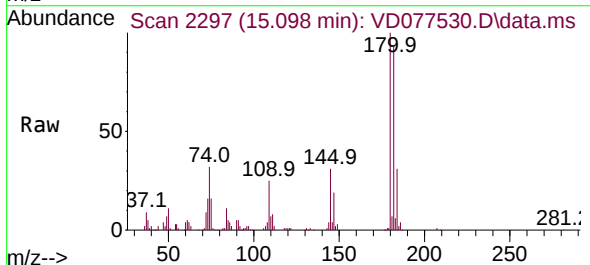


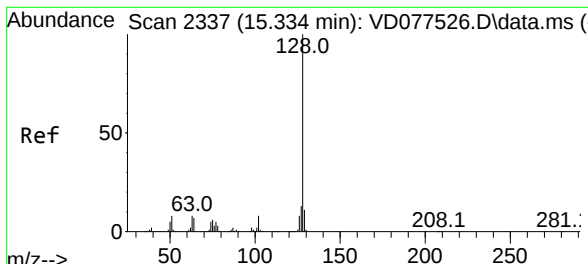
Tgt Ion:180 Resp: 171404  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 76.1 114.1  
 184 30.1 24.0 36.0  
 145 28.4 23.1 34.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 24.861 ug/L  
 RT: 15.098 min Scan# 2297  
 Delta R.T. -0.006 min  
 Lab File: VD077530.D  
 Acq: 09 Nov 2023 11:59

Tgt Ion:180 Resp: 144419  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 75.8 113.6  
 145 30.1 24.1 36.1

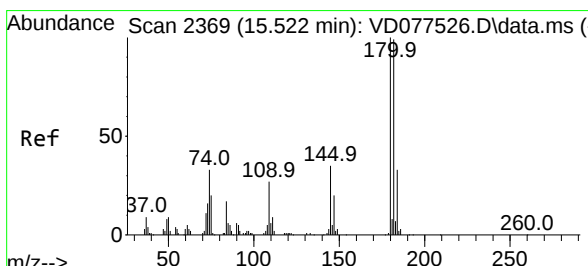
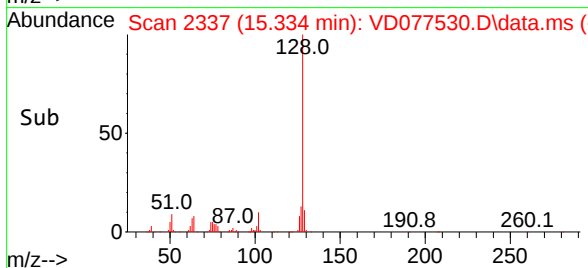
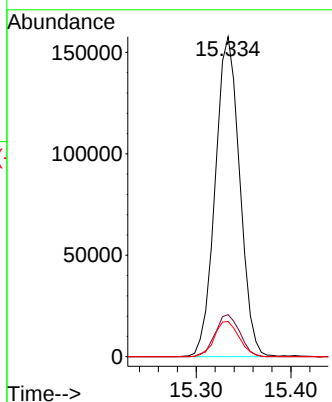
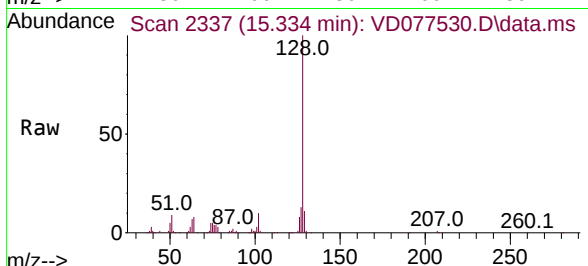




#71  
Naphthalene  
Concen: 25.887 ug/L  
RT: 15.334 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

Instrument :  
MSVOA\_D  
ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 283409 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.5  | 15.7   |
| 129       | 11.1  | 9.0   | 13.6   |



#72  
1,2,3-Trichlorobenzene  
Concen: 25.399 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD077530.D  
Acq: 09 Nov 2023 11:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 125807 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 76.8  | 115.2  |
| 145       | 31.4  | 26.0  | 39.0   |

