

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110923\  
 Data File : VD077528.D  
 Acq On : 09 Nov 2023 10:39  
 Operator : JC/SY  
 Sample : VSTD100  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 10 00:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:03:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 364444   | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 344560   | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152  | 168395   | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65   | 860324   | 92.798  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.805  | 69   | 679935   | 93.358  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65   | 266739   | 93.046  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 6.987  | 46   | 326963   | 210.468 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 1076675  | 102.269 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65   | 576639   | 102.971 | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.204  | 84   | 2188442  | 97.859  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 707492   | 97.125  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 2006766  | 99.306  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79   | 313071   | 99.680  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 271231   | 208.144 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 498302   | 103.248 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 619318   | 103.380 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 568167   | 96.803  | ug/L  | 100      |
| 3) Chloromethane              | 2.152  | 50   | 823130   | 97.479  | ug/L  | 97       |
| 5) Vinyl chloride             | 2.287  | 62   | 934530   | 98.054  | ug/L  | 98       |
| 6) Bromomethane               | 2.693  | 94   | 546255   | 107.655 | ug/L  | 100      |
| 8) Chloroethane               | 2.840  | 64   | 571545   | 96.460  | ug/L  | 90       |
| 9) Trichlorofluoromethane     | 3.181  | 101  | 850614   | 98.069  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101  | 528340   | 98.986  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 3.946  | 96   | 516447   | 99.124  | ug/L  | 96       |
| 13) Acetone                   | 4.022  | 43   | 369362   | 218.957 | ug/L  | 99       |
| 14) Carbon disulfide          | 4.275  | 76   | 1806617  | 96.809  | ug/L  | 98       |
| 15) Methyl Acetate            | 4.563  | 43   | 275330   | 99.193  | ug/L  | 99       |
| 16) Methylene chloride        | 4.805  | 84   | 545144   | 88.541  | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96   | 544927   | 99.955  | ug/L  | 94       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73   | 1296036  | 101.288 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.116  | 63   | 1087594  | 99.430  | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96   | 596912   | 100.779 | ug/L  | 99       |
| 22) 2-Butanone                | 7.081  | 43   | 430346   | 209.561 | ug/L  | 97       |
| 23) Bromochloromethane        | 7.428  | 128  | 240135   | 100.900 | ug/L  | 97       |
| 25) Chloroform                | 7.598  | 83   | 1017069  | 101.218 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 660486   | 99.156  | ug/L  | 98       |
| 29) Cyclohexane               | 7.881  | 56   | 1062900  | 95.009  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.798  | 97   | 860305   | 95.376  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 7.993  | 117  | 743385   | 95.897  | ug/L  | 98       |
| 33) Benzene                   | 8.251  | 78   | 2371062  | 99.233  | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 587260   | 99.188  | ug/L  | 92       |
| 35) Methylcyclohexane         | 9.275  | 83   | 1058769  | 99.140  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 647566   | 97.488  | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 744112   | 97.663  | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 1021426  | 100.068 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 804140   | 198.656 | ug/L  | 99       |
| 42) Toluene                   | 10.334 | 91   | 2518791  | 100.405 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 853396   | 101.183 | ug/L  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110923\  
 Data File : VD077528.D  
 Acq On : 09 Nov 2023 10:39  
 Operator : JC/SY  
 Sample : VSTD100  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 10 00:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:03:14 2023  
 Response via : Initial Calibration

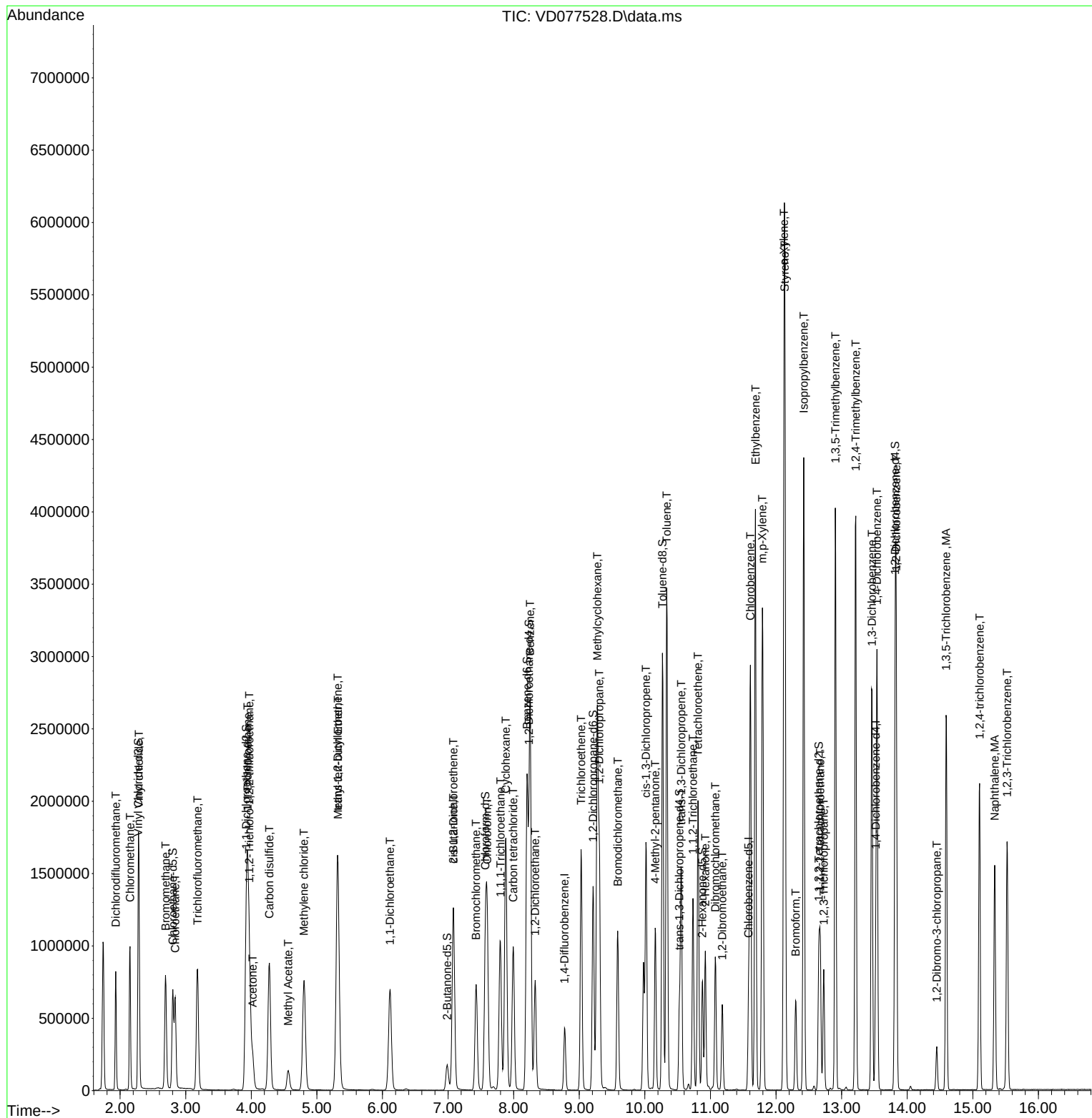
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 409178   | 100.774 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.810 | 164  | 437704   | 100.474 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 654458   | 203.974 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 464904   | 100.799 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 388527   | 100.062 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.610 | 112  | 1486772  | 101.162 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.687 | 91   | 2793804  | 101.213 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.792 | 106  | 1024727  | 102.018 | ug/L  | 98       |
| 54) o-Xylene                  | 12.122 | 106  | 1013690  | 105.371 | ug/L  | 96       |
| 55) Styrene                   | 12.134 | 104  | 1762349  | 104.919 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 480625   | 100.481 | ug/L  | 98       |
| 59) Bromoform                 | 12.298 | 173  | 275739   | 96.042  | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 2686726  | 98.638  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 339820   | 94.737  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 2082697  | 100.747 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 2130788  | 101.754 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 1103453  | 98.747  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 1108902  | 98.330  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.833 | 146  | 991715   | 100.382 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 74972    | 96.090  | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 771207   | 101.359 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 660510   | 103.002 | ug/L  | 99       |
| 71) Naphthalene               | 15.333 | 128  | 1259828  | 104.244 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 567331   | 103.759 | ug/L  | 99       |

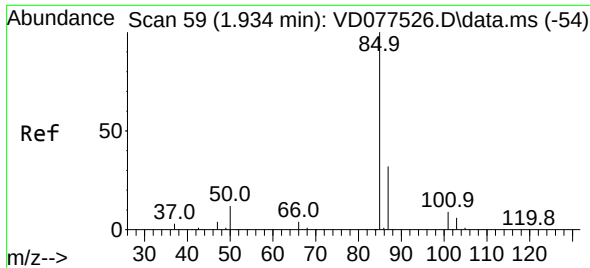
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110923\  
Data File : VD077528.D  
Acq On : 09 Nov 2023 10:39  
Operator : JC/SY  
Sample : VSTD100  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Nov 10 00:06:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Nov 10 00:03:14 2023  
Response via : Initial Calibration

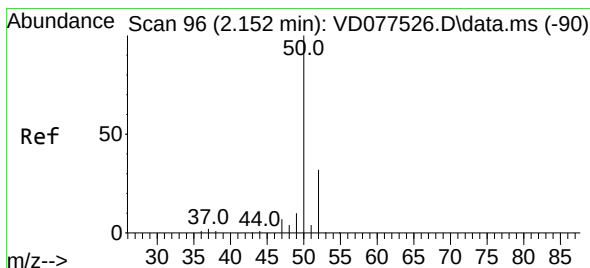
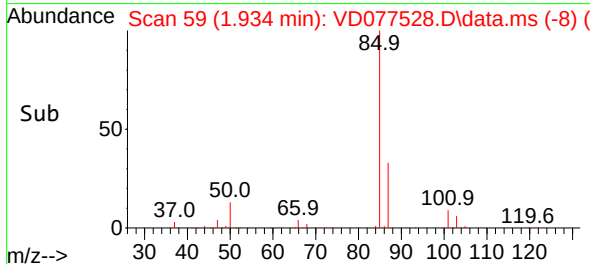
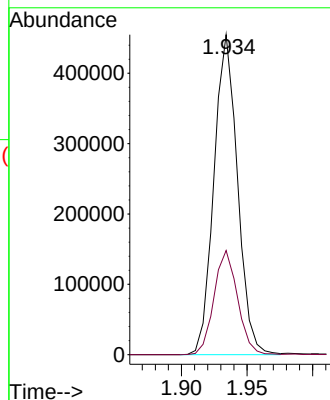
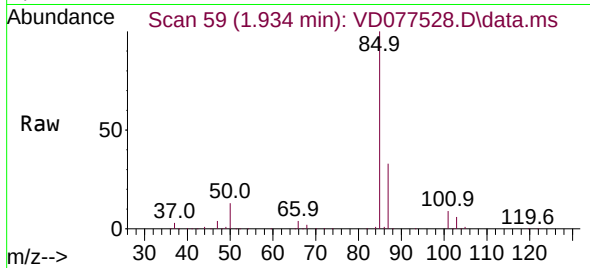




#2  
 Dichlorodifluoromethane  
 Concen: 96.803 ug/L  
 RT: 1.934 min Scan# 59  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

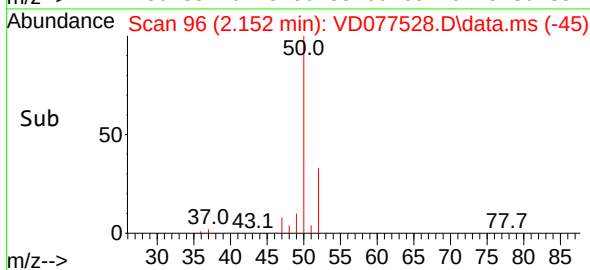
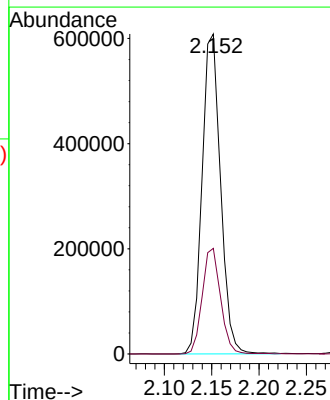
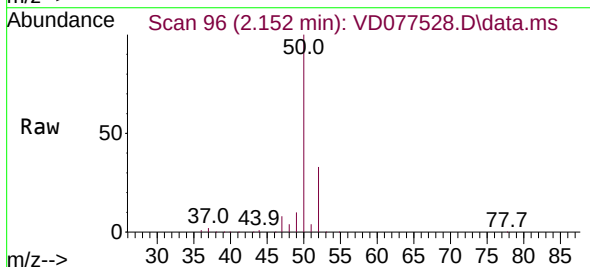
Instrument :  
 MSVOA\_D  
 ClientSampleId :

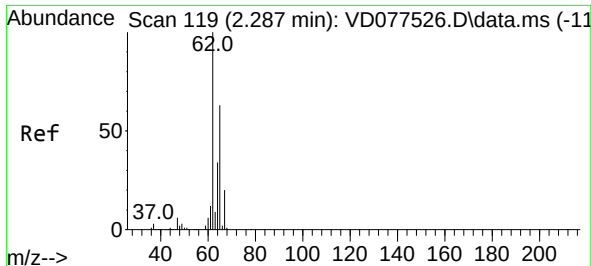
Tgt Ion: 85 Resp: 568167  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 26.2 39.2



#3  
 Chloromethane  
 Concen: 97.479 ug/L  
 RT: 2.152 min Scan# 96  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

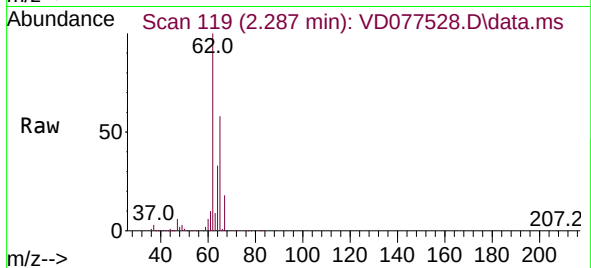
Tgt Ion: 50 Resp: 823130  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 22.1 41.1



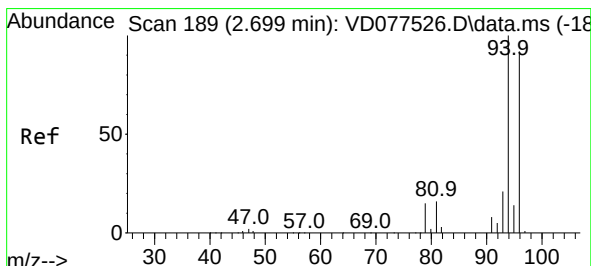
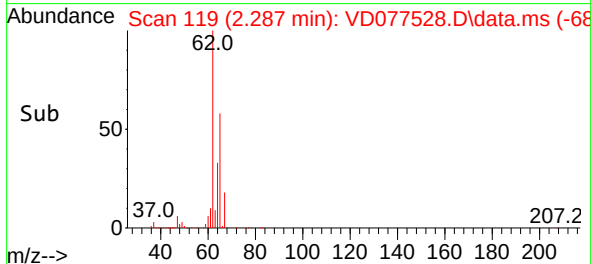
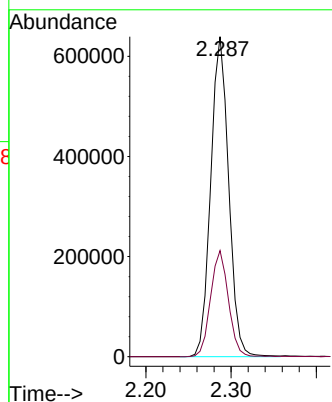


#5  
 Vinyl chloride  
 Concen: 98.054 ug/L  
 RT: 2.287 min Scan# 119  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Instrument :  
 MSVOA\_D  
 ClientSampleId :

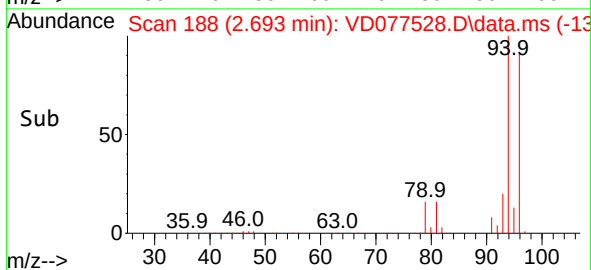
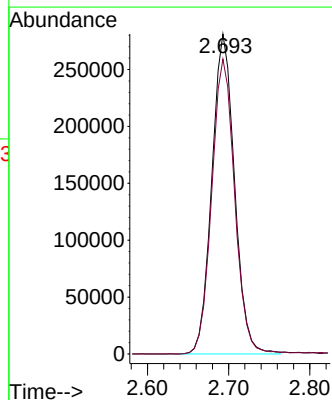
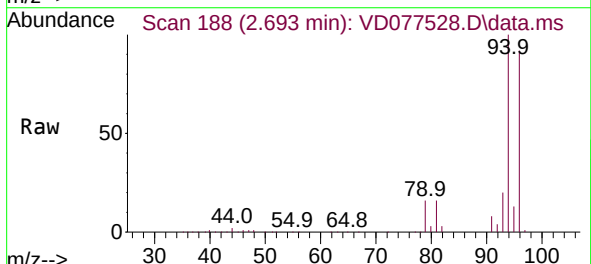


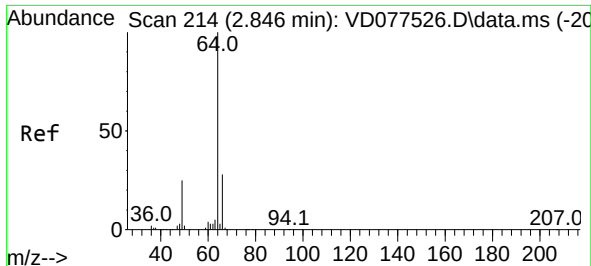
Tgt Ion: 62 Resp: 934530  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 23.9 44.5



#6  
 Bromomethane  
 Concen: 107.655 ug/L  
 RT: 2.693 min Scan# 188  
 Delta R.T. -0.006 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Tgt Ion: 94 Resp: 546255  
 Ion Ratio Lower Upper  
 94 100  
 96 92.2 64.5 119.9

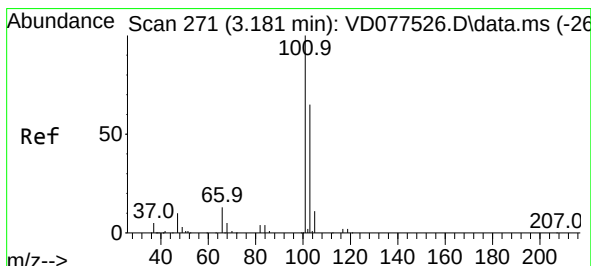
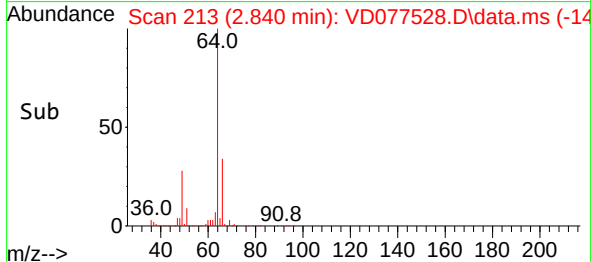
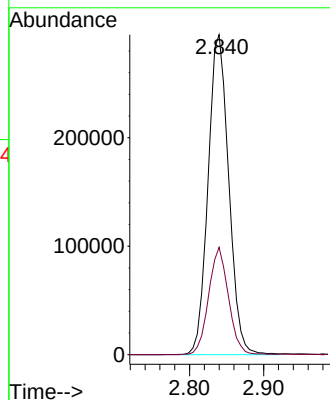
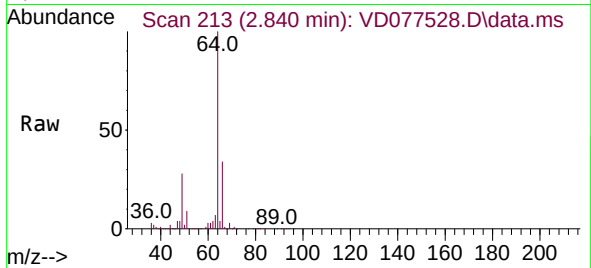




#8  
Chloroethane  
Concen: 96.460 ug/L  
RT: 2.840 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

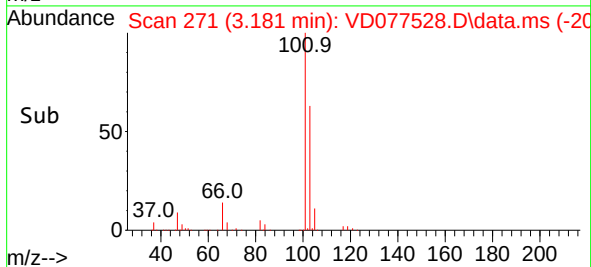
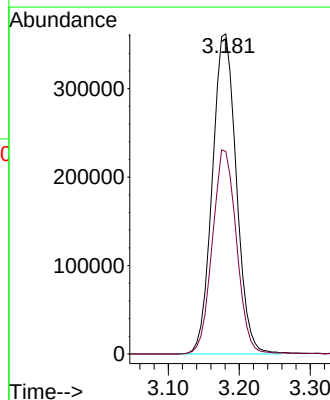
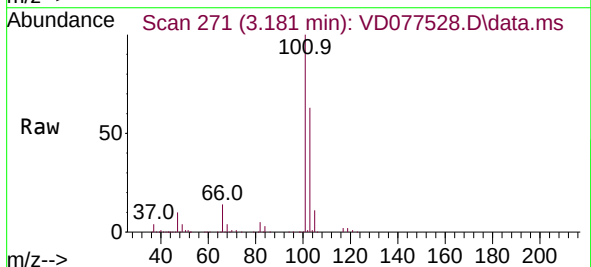
Instrument :  
MSVOA\_D  
ClientSampleId :

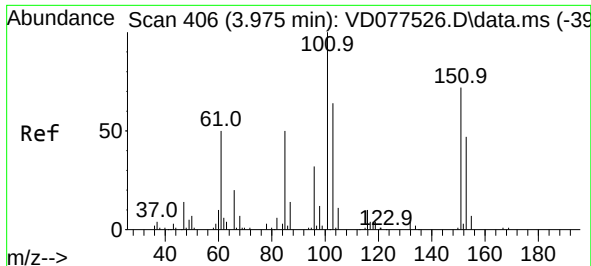
Tgt Ion: 64 Resp: 571545  
Ion Ratio Lower Upper  
64 100  
66 33.5 19.8 36.8



#9  
Trichlorofluoromethane  
Concen: 98.069 ug/L  
RT: 3.181 min Scan# 271  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:101 Resp: 850614  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.9 77.9

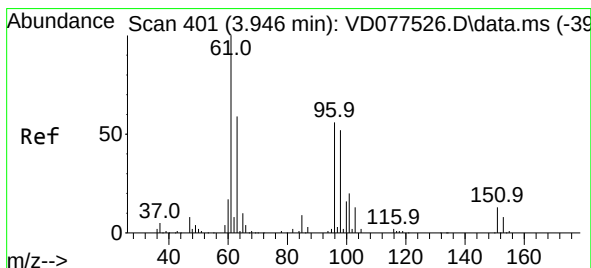
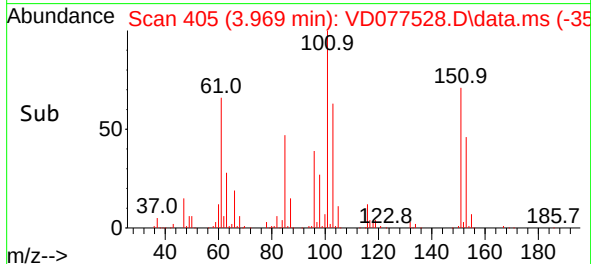
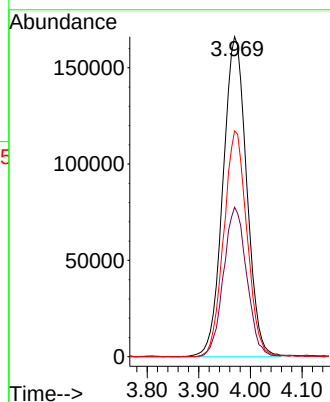
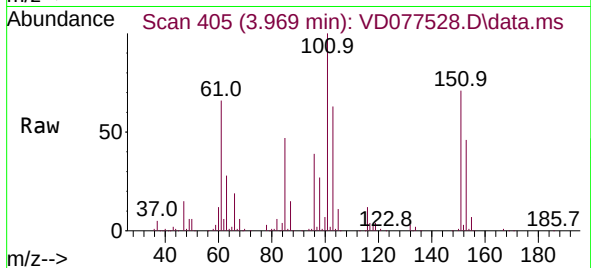




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 98.986 ug/L  
 RT: 3.969 min Scan# 405  
 Delta R.T. -0.006 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

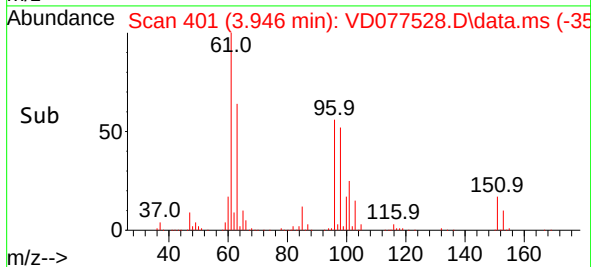
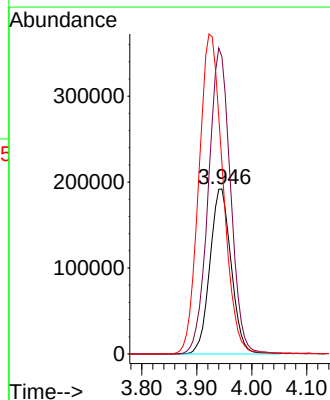
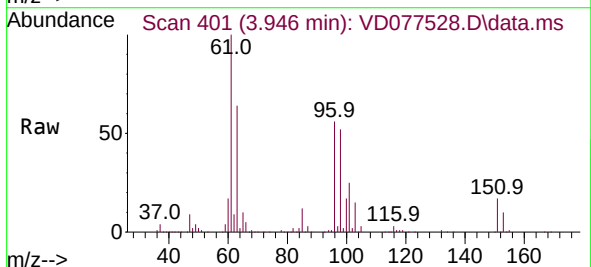
Instrument :  
 MSVOA\_D  
 ClientSampleId :

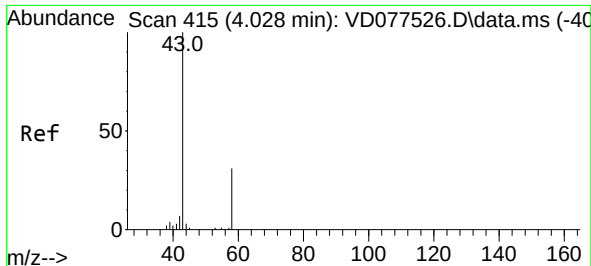
Tgt Ion:101 Resp: 528340  
 Ion Ratio Lower Upper  
 101 100  
 85 45.9 36.8 55.2  
 151 69.4 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 99.124 ug/L  
 RT: 3.946 min Scan# 401  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Tgt Ion: 96 Resp: 516447  
 Ion Ratio Lower Upper  
 96 100  
 61 179.9 127.5 236.9  
 63 115.6 86.4 160.4





#13

Acetone

Concen: 218.957 ug/L

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Instrument :

MSVOA\_D

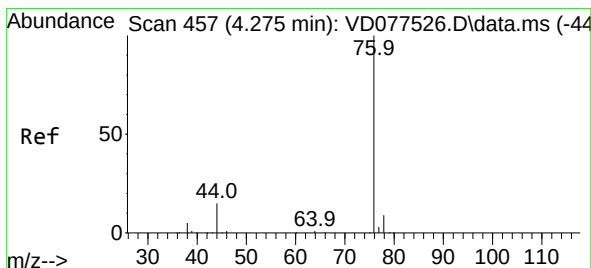
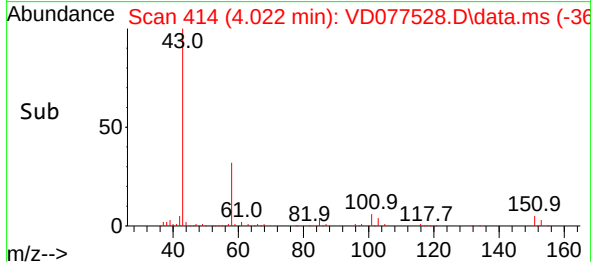
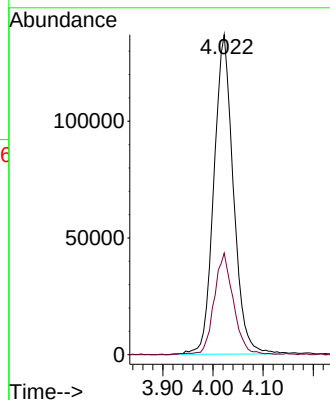
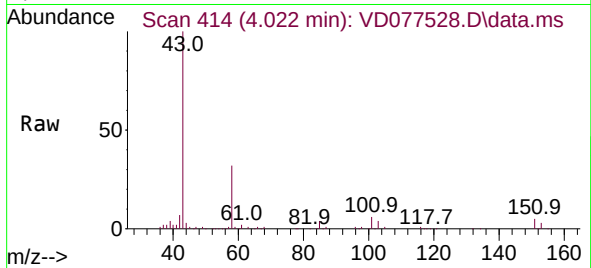
ClientSampleId :

Tgt Ion: 43 Resp: 369362

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.0



#14

Carbon disulfide

Concen: 96.809 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.000 min

Lab File: VD077528.D

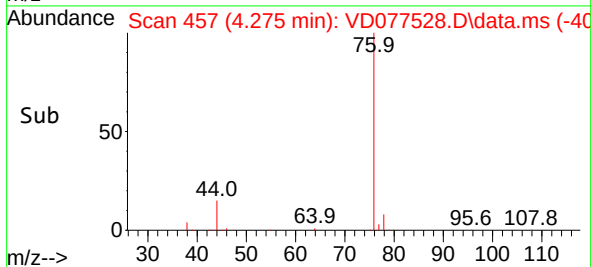
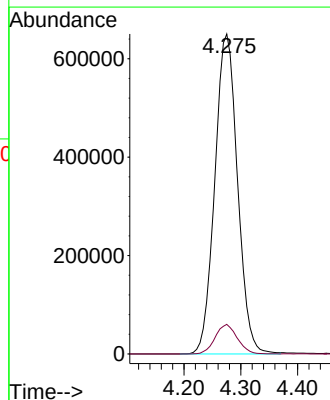
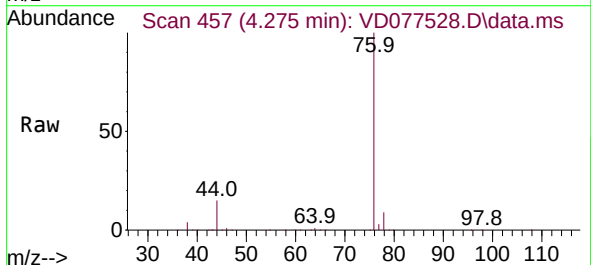
Acq: 09 Nov 2023 10:39

Tgt Ion: 76 Resp: 1806617

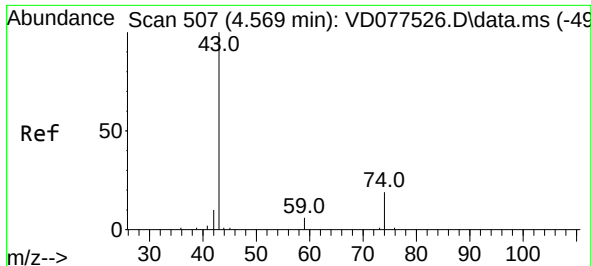
Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3



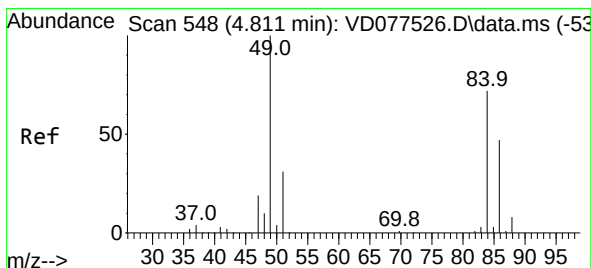
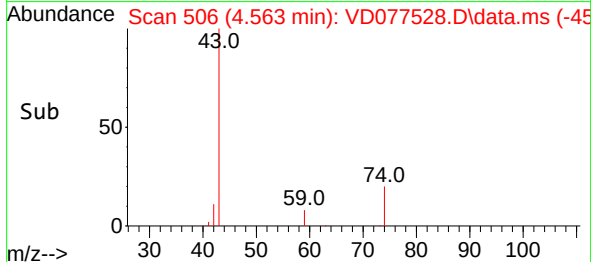
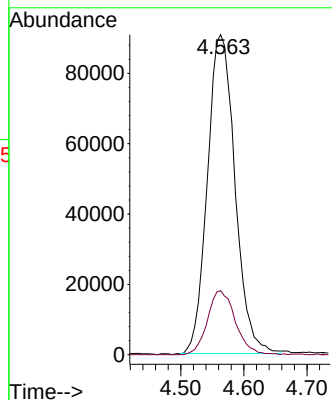
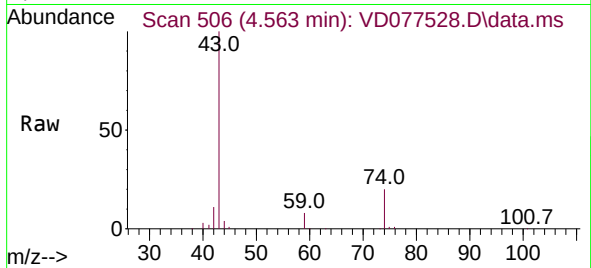




#15  
Methyl Acetate  
Concen: 99.193 ug/L  
RT: 4.563 min Scan# 507  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

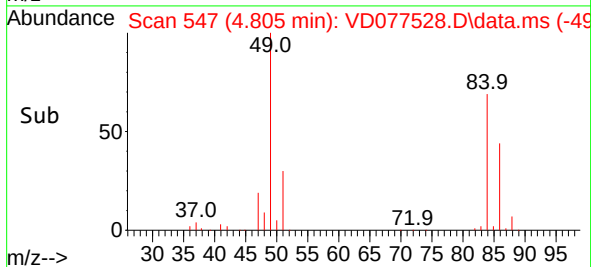
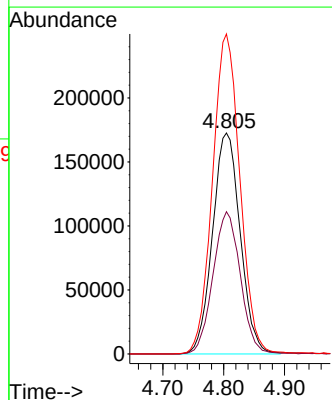
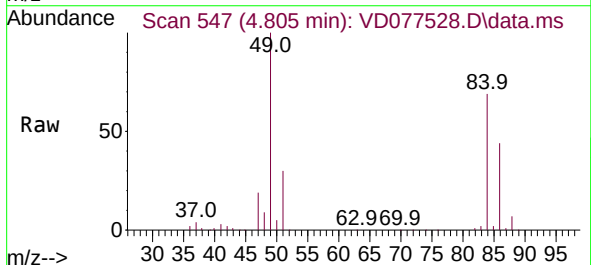
Instrument :  
MSVOA\_D  
ClientSampleId :

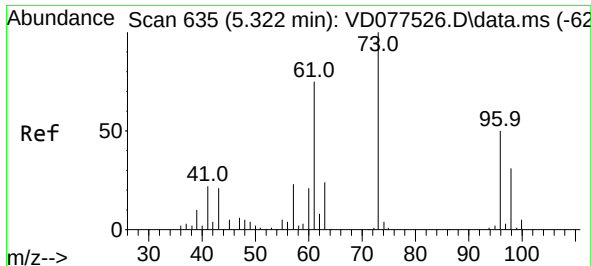
Tgt Ion: 43 Resp: 275330  
Ion Ratio Lower Upper  
43 100  
74 20.2 16.6 24.8



#16  
Methylene chloride  
Concen: 88.541 ug/L  
RT: 4.805 min Scan# 547  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 84 Resp: 545144  
Ion Ratio Lower Upper  
84 100  
86 64.4 46.5 86.5  
49 144.8 98.3 182.7

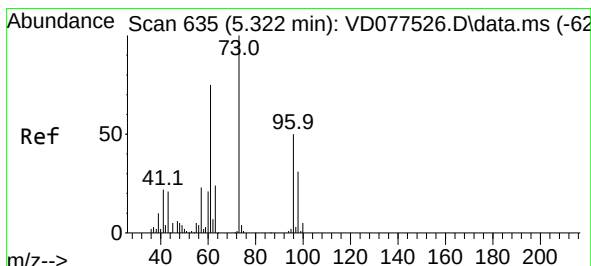
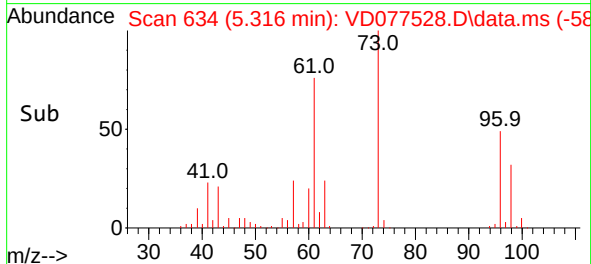
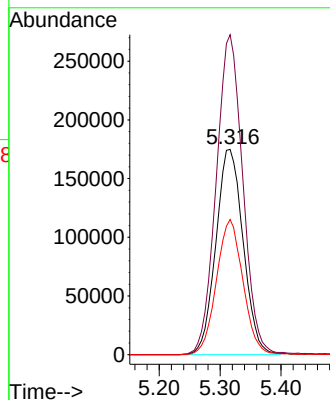
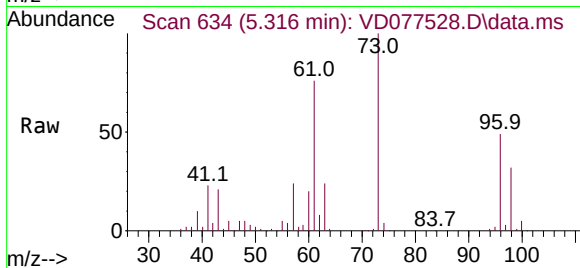




#17  
trans-1,2-Dichloroethene  
Concen: 99.955 ug/L  
RT: 5.316 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

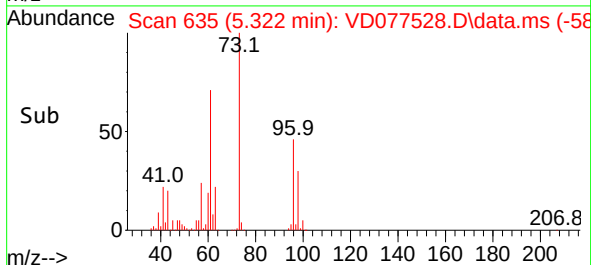
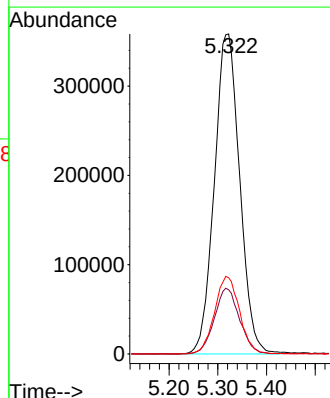
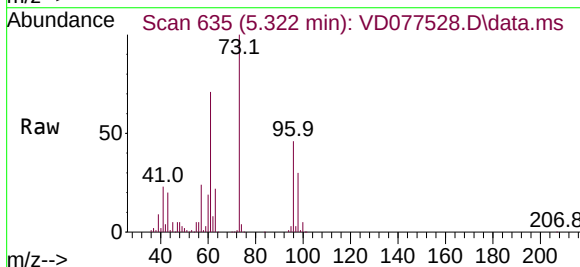
Instrument :  
MSVOA\_D  
ClientSampleId :

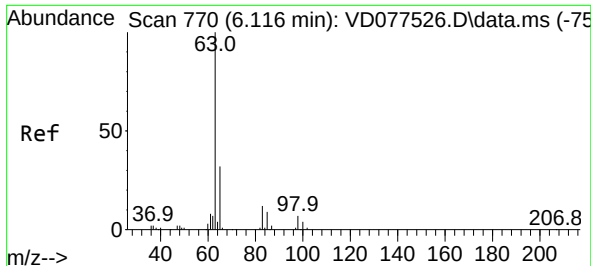
Tgt Ion: 96 Resp: 544927  
Ion Ratio Lower Upper  
96 100  
61 155.8 104.0 193.2  
98 65.9 43.1 80.1



#18  
Methyl tert-butyl Ether  
Concen: 101.288 ug/L  
RT: 5.322 min Scan# 635  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 73 Resp: 1296036  
Ion Ratio Lower Upper  
73 100  
43 20.4 16.4 24.6  
57 23.7 19.3 28.9





#19

1,1-Dichloroethane

Concen: 99.430 ug/L

RT: 6.116 min Scan# 770

Delta R.T. -0.000 min MSVOA\_D

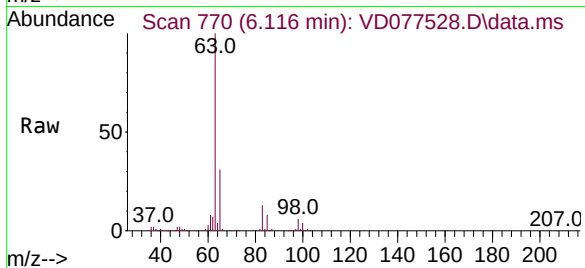
Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Instrument :

MSVOA\_D

ClientSampleId :



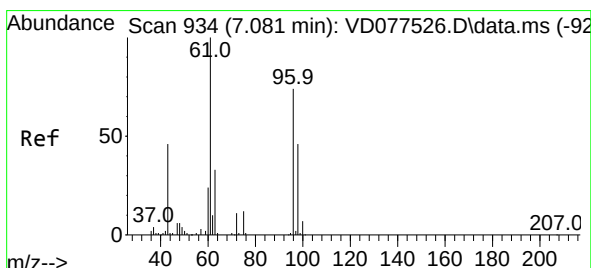
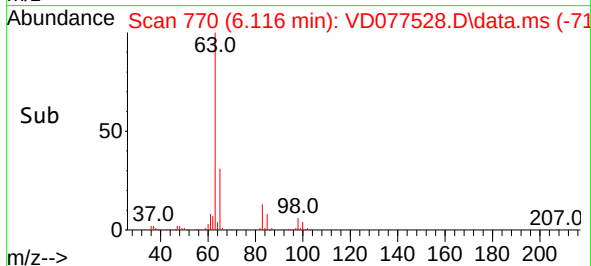
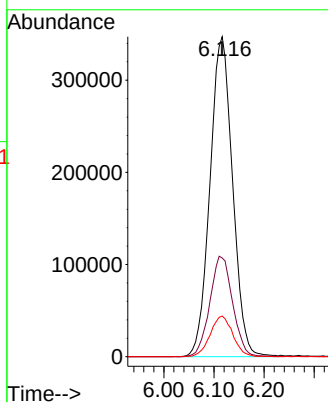
Tgt Ion: 63 Resp: 1087594

Ion Ratio Lower Upper

63 100

65 30.9 22.6 42.0

83 12.7 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 100.779 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

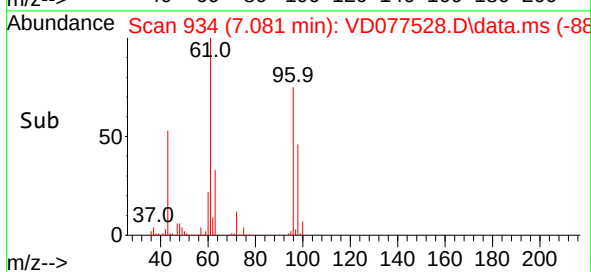
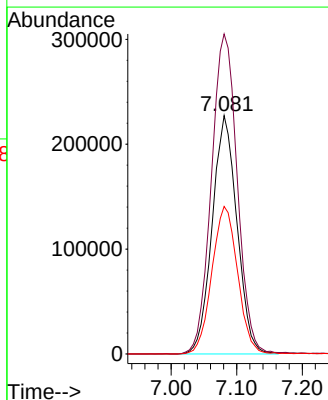
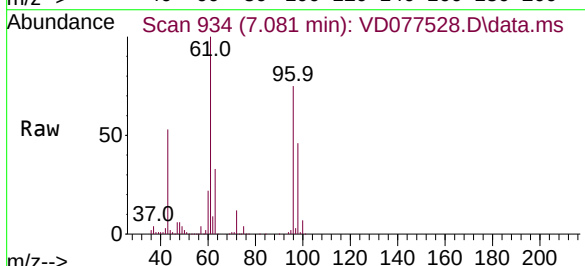
Tgt Ion: 96 Resp: 596912

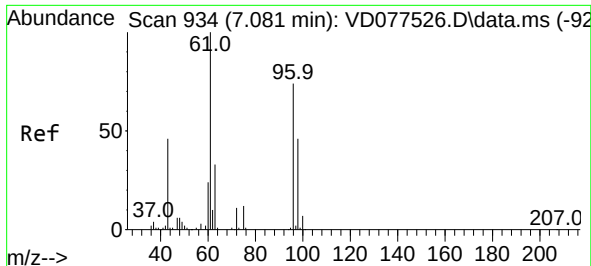
Ion Ratio Lower Upper

96 100

61 134.2 95.0 176.4

98 61.9 43.1 80.1

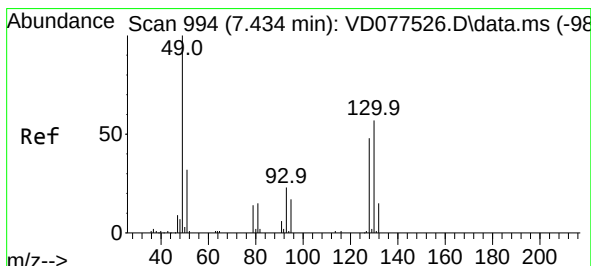
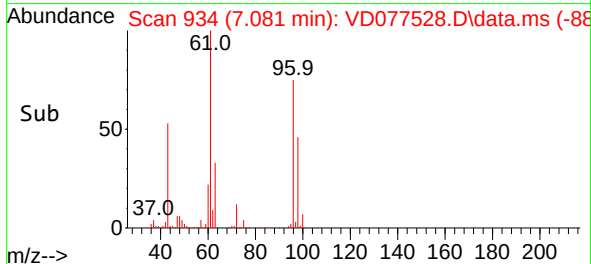
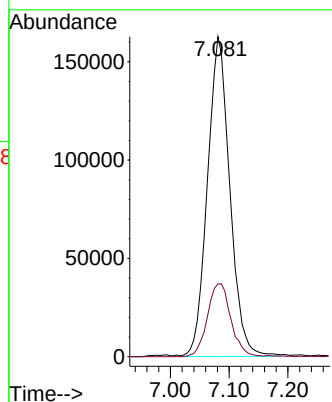
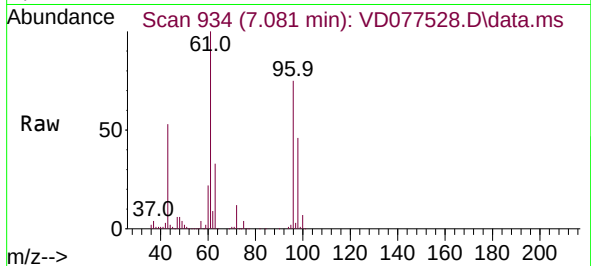




#22  
2-Butanone  
Concen: 209.561 ug/L  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

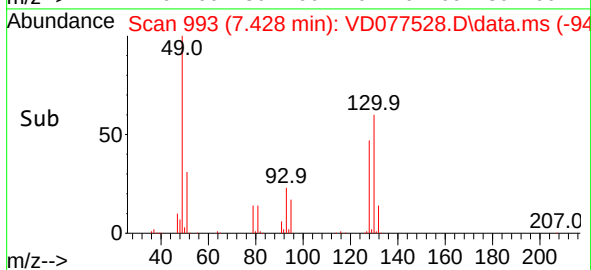
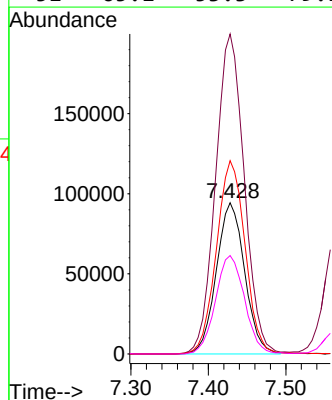
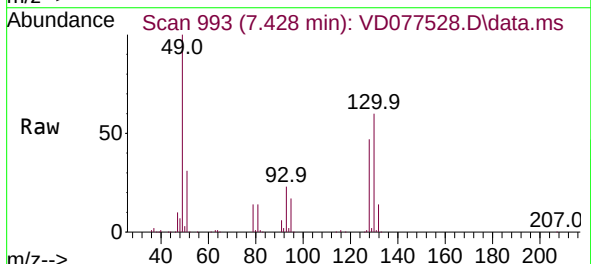
Instrument :  
MSVOA\_D  
ClientSampleId :

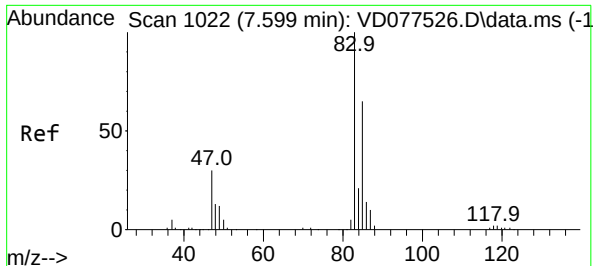
Tgt Ion: 43 Resp: 430346  
Ion Ratio Lower Upper  
43 100  
72 23.9 12.8 38.4



#23  
Bromochloromethane  
Concen: 100.900 ug/L  
RT: 7.428 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:128 Resp: 240135  
Ion Ratio Lower Upper  
128 100  
49 211.7 146.7 272.5  
130 127.8 83.2 154.6  
51 65.1 53.3 79.9





#25

Chloroform

Concen: 101.218 ug/L

RT: 7.598 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Instrument :

MSVOA\_D

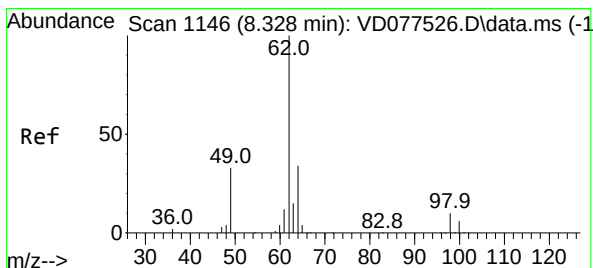
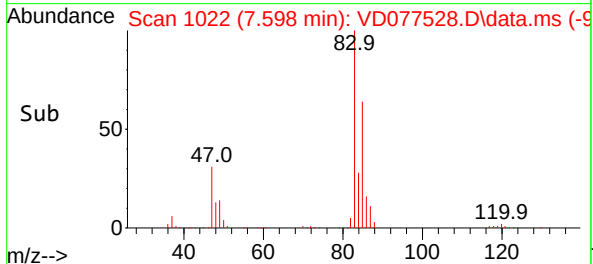
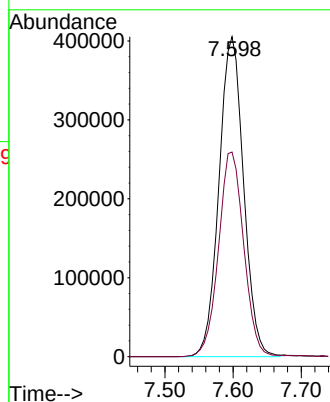
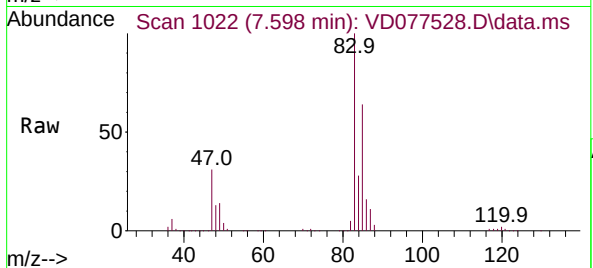
ClientSampleId :

Tgt Ion: 83 Resp: 1017069

Ion Ratio Lower Upper

83 100

85 63.9 45.9 85.3



#27

1,2-Dichloroethane

Concen: 99.156 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077528.D

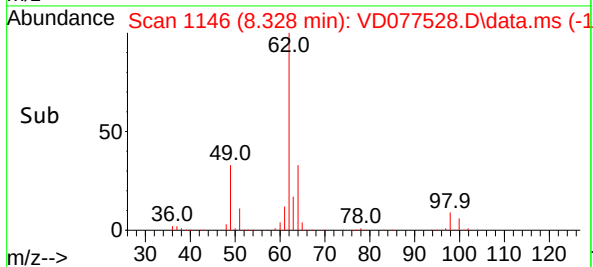
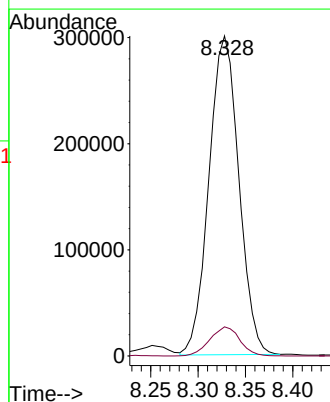
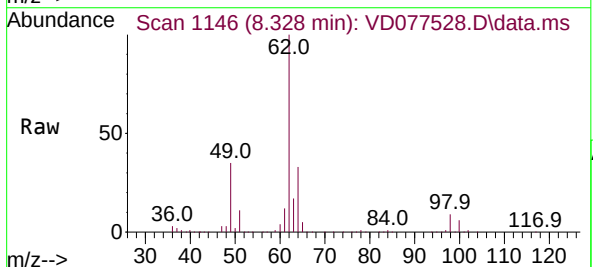
Acq: 09 Nov 2023 10:39

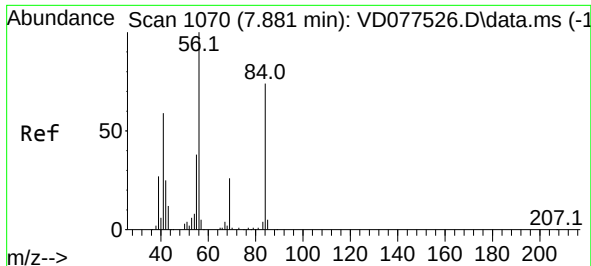
Tgt Ion: 62 Resp: 660486

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 95.009 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

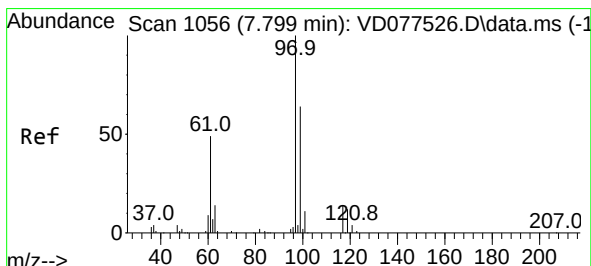
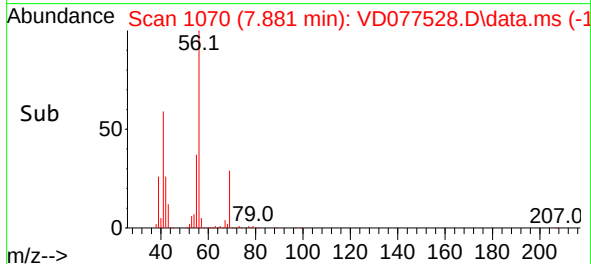
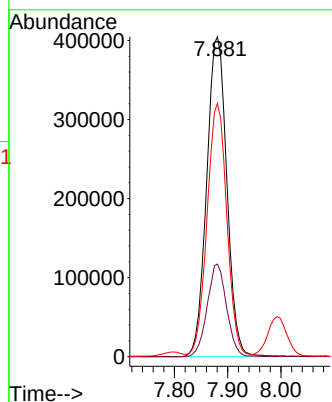
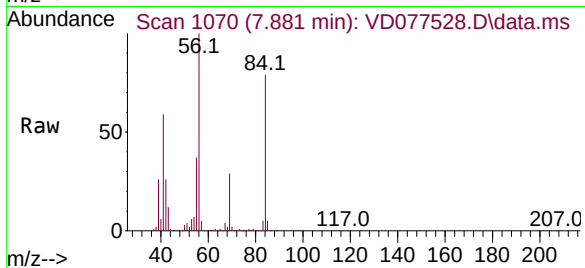
Instrument :

MSVOA\_D

ClientSampleId :

Tgt Ion: 56 Resp: 1062900

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 27.9  | 22.6  | 33.8  |
| 84  | 77.5  | 63.3  | 94.9  |



#30

1,1,1-Trichloroethane

Concen: 95.376 ug/L

RT: 7.798 min Scan# 1056

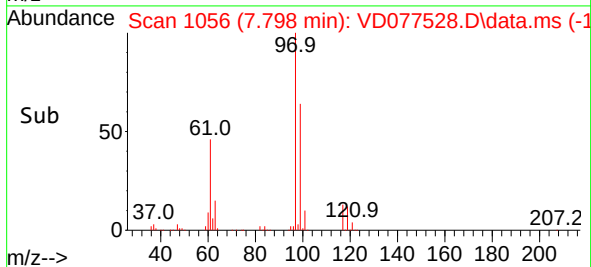
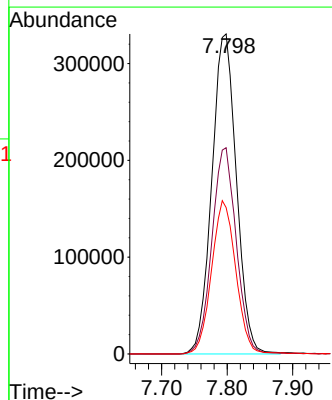
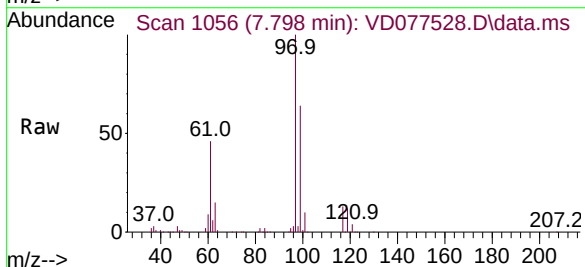
Delta R.T. -0.000 min

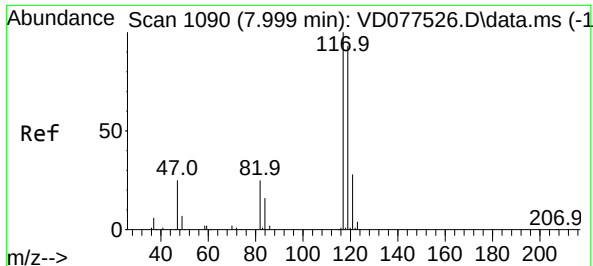
Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Tgt Ion: 97 Resp: 860305

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.1  | 51.4  | 77.2  |
| 61  | 47.1  | 38.1  | 57.1  |

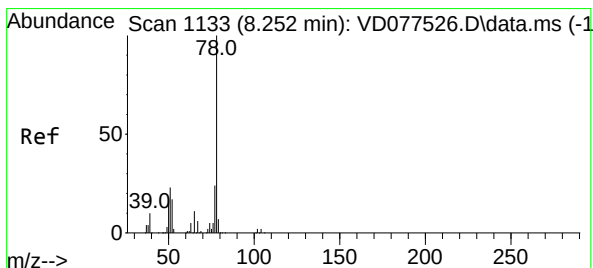
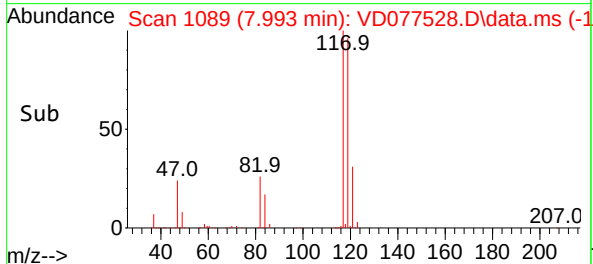
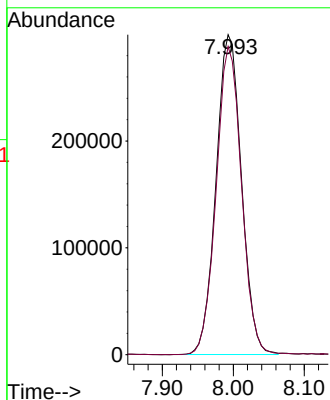
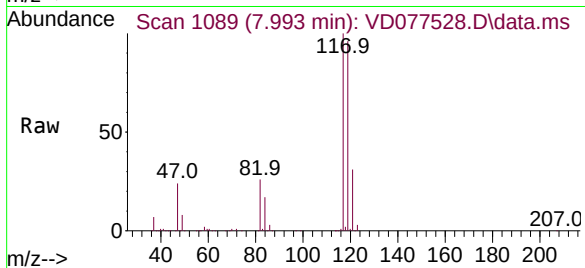




#31  
Carbon tetrachloride  
Concen: 95.897 ug/L  
RT: 7.993 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

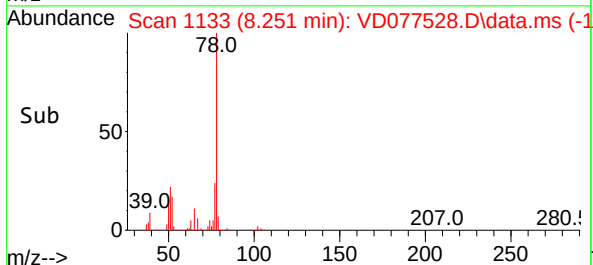
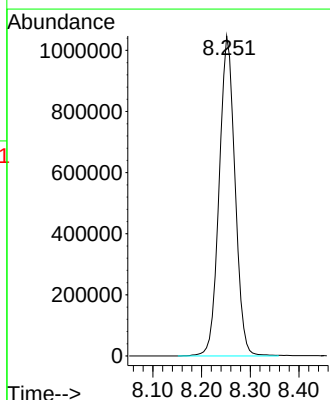
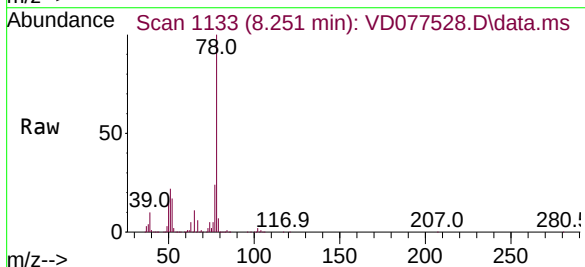
Instrument :  
MSVOA\_D  
ClientSampleId :

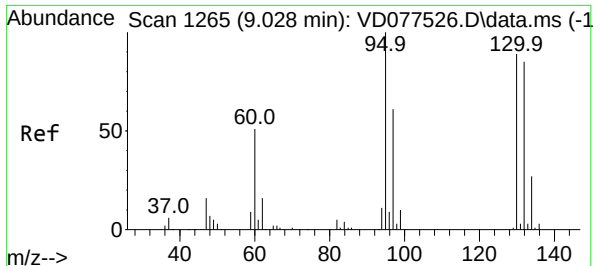
Tgt Ion:117 Resp: 743385  
Ion Ratio Lower Upper  
117 100  
119 96.1 75.4 113.0



#33  
Benzene  
Concen: 99.233 ug/L  
RT: 8.251 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

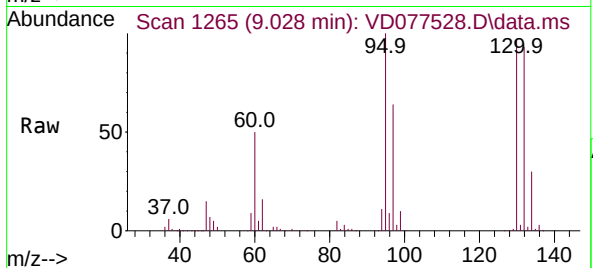
Tgt Ion: 78 Resp: 2371062





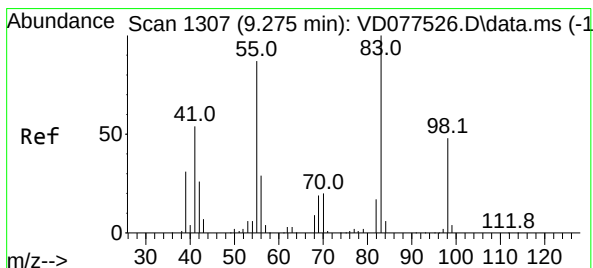
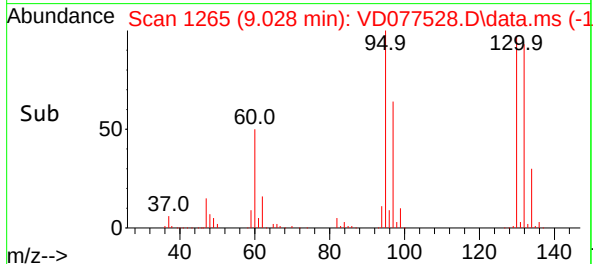
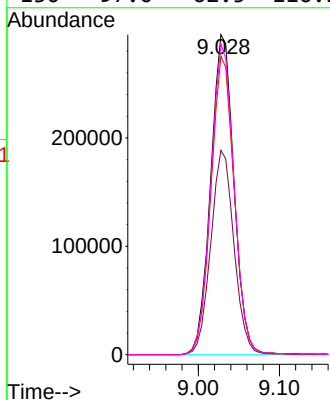
#34  
Trichloroethene  
Concen: 99.188 ug/L  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 95 Resp: 587260

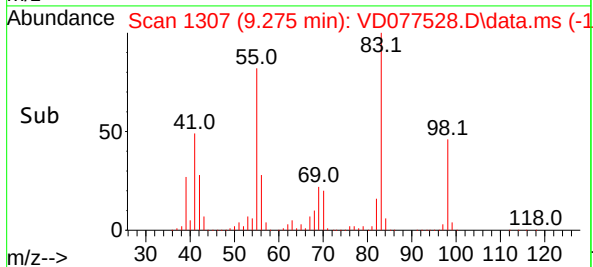
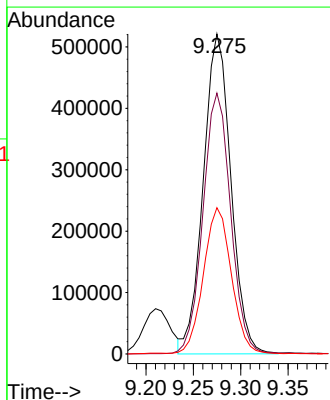
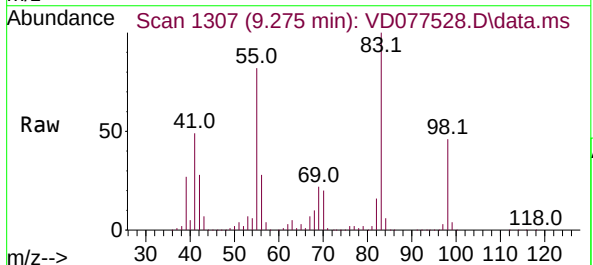
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.8  | 42.4  | 78.6  |
| 132 | 93.3  | 59.4  | 110.2 |
| 130 | 97.0  | 62.5  | 116.1 |



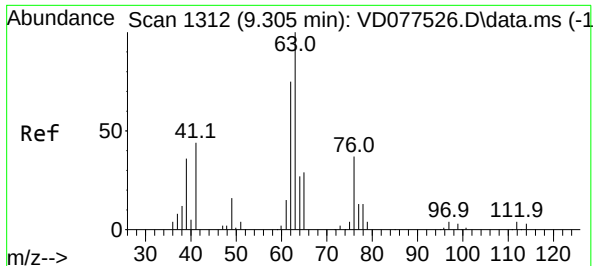
#35  
Methylcyclohexane  
Concen: 99.140 ug/L  
RT: 9.275 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 83 Resp: 1058769

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 82.1  | 66.5  | 99.7  |
| 98  | 46.3  | 37.4  | 56.2  |



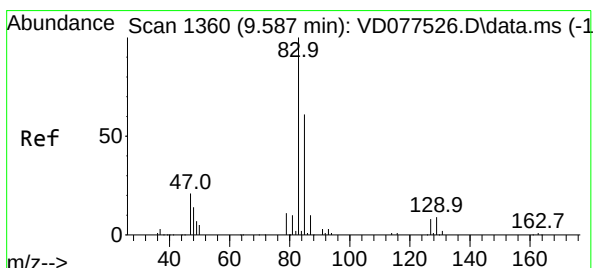
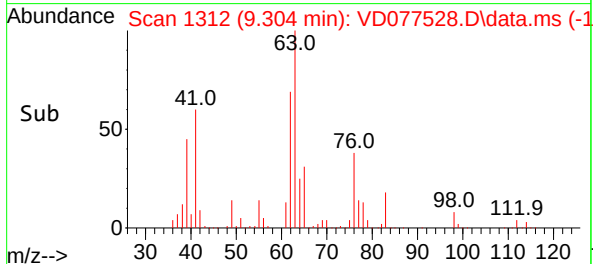
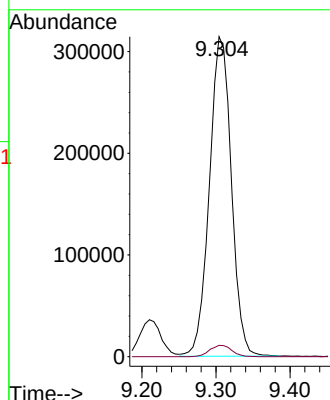
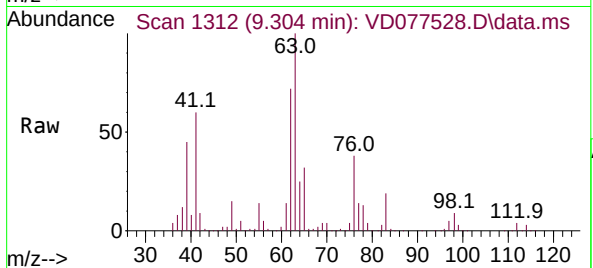




#37  
1,2-Dichloropropane  
Concen: 97.488 ug/L  
RT: 9.304 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

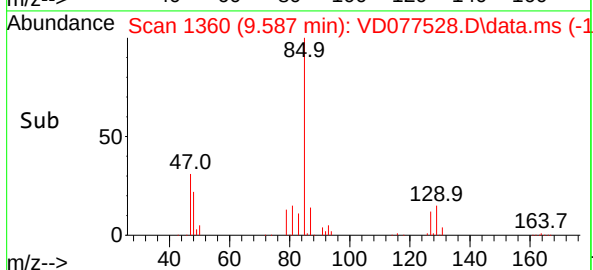
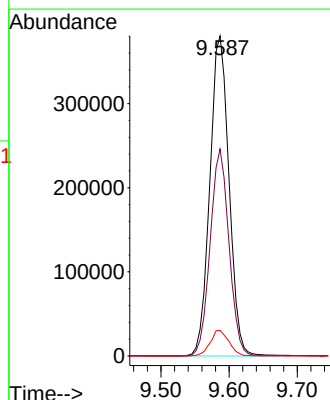
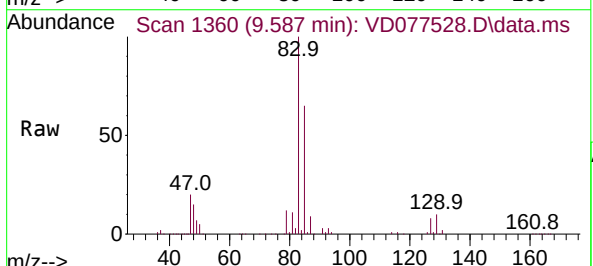
Instrument :  
MSVOA\_D  
ClientSampleId :

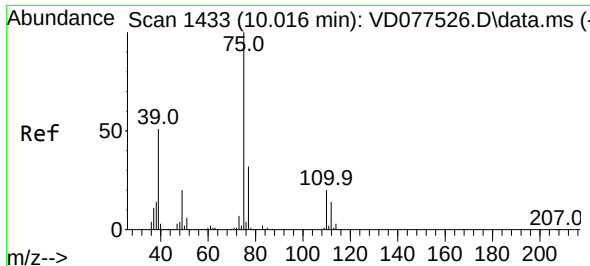
Tgt Ion: 63 Resp: 647566  
Ion Ratio Lower Upper  
63 100  
112 3.6 3.2 4.8



#38  
Bromodichloromethane  
Concen: 97.663 ug/L  
RT: 9.587 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 83 Resp: 744112  
Ion Ratio Lower Upper  
83 100  
85 64.7 42.4 78.8  
127 8.0 6.4 9.6

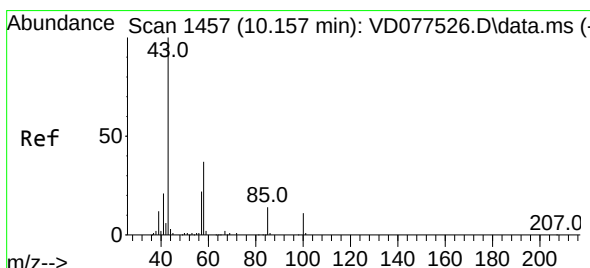
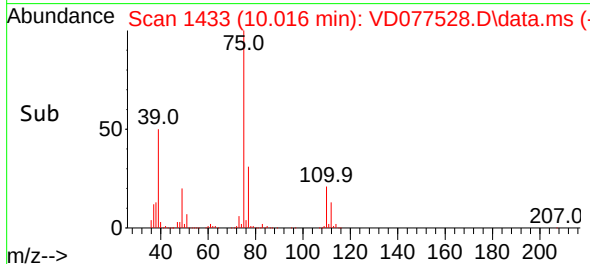
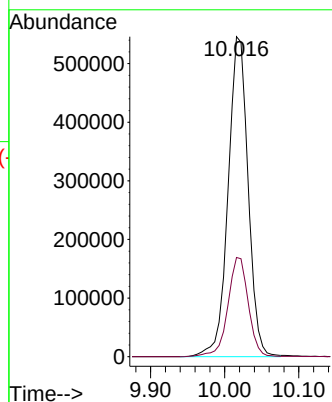
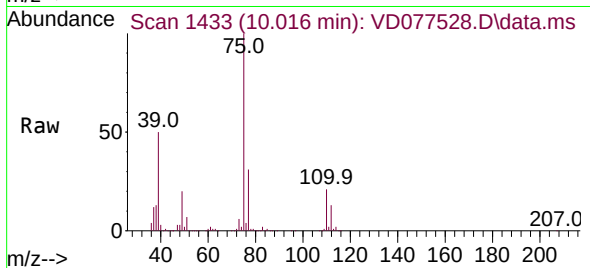




#39  
 cis-1,3-Dichloropropene  
 Concen: 100.068 ug/L  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

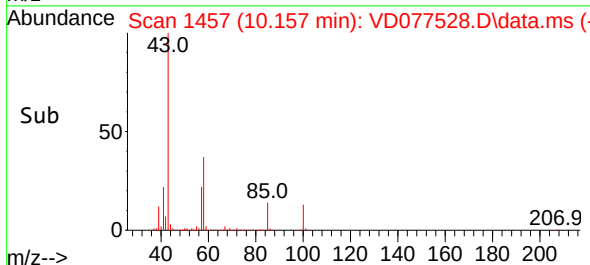
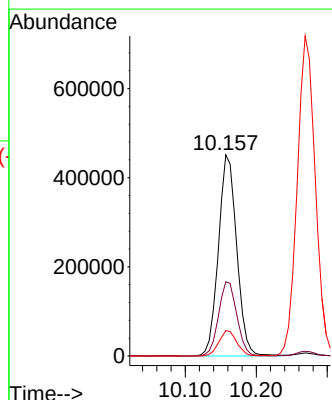
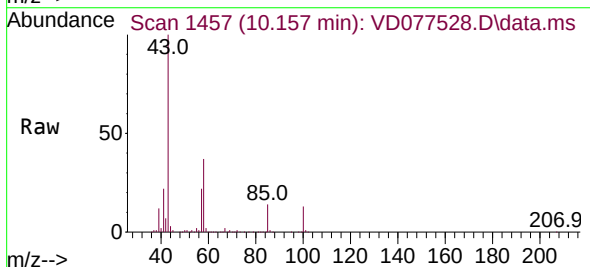
Instrument :  
 MSVOA\_D  
 ClientSampleId :

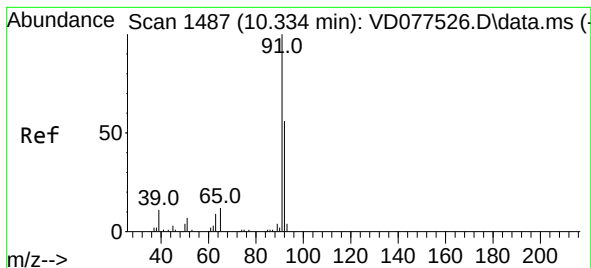
Tgt Ion: 75 Resp: 1021426  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 198.656 ug/L  
 RT: 10.157 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Tgt Ion: 43 Resp: 804140  
 Ion Ratio Lower Upper  
 43 100  
 58 36.8 29.8 44.8  
 100 12.4 9.5 14.3





#42

Toluene

Concen: 100.405 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Instrument :

MSVOA\_D

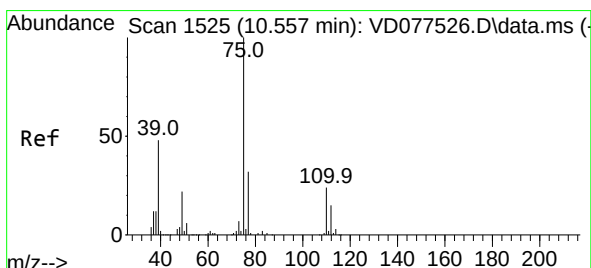
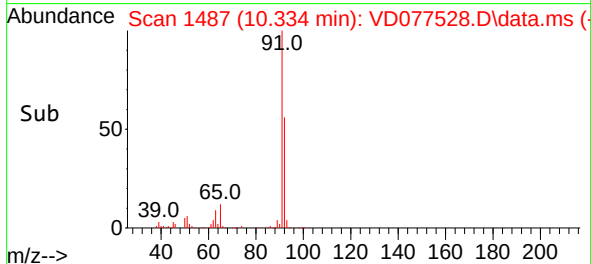
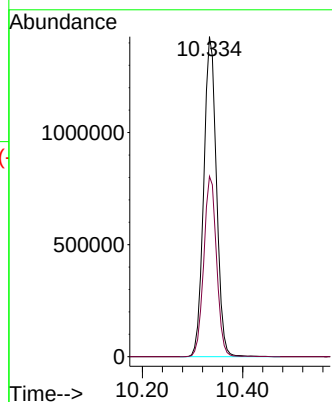
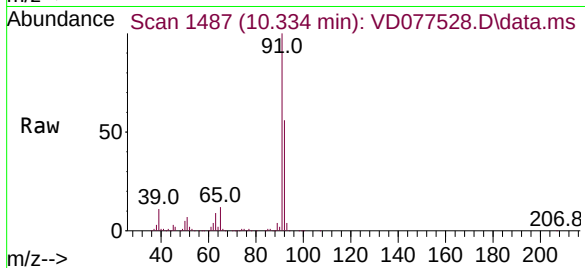
ClientSampleId :

Tgt Ion: 91 Resp: 2518791

Ion Ratio Lower Upper

91 100

92 56.4 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 101.183 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD077528.D

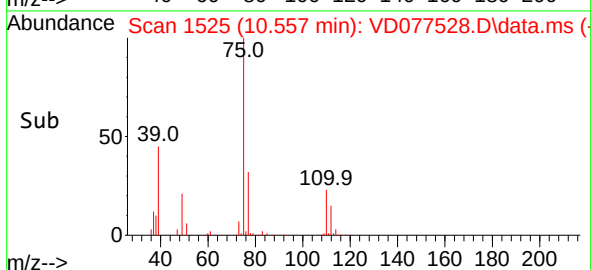
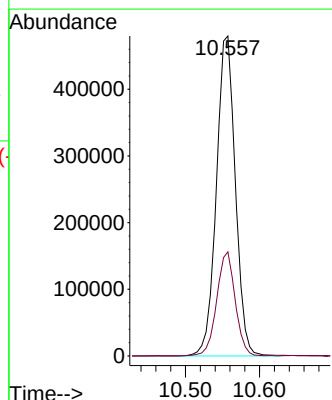
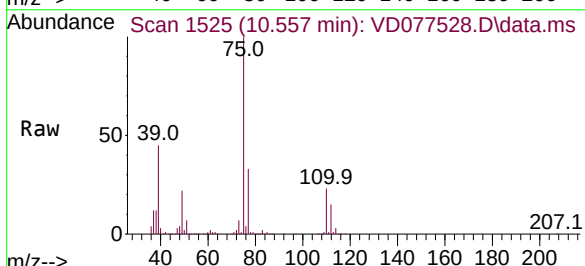
Acq: 09 Nov 2023 10:39

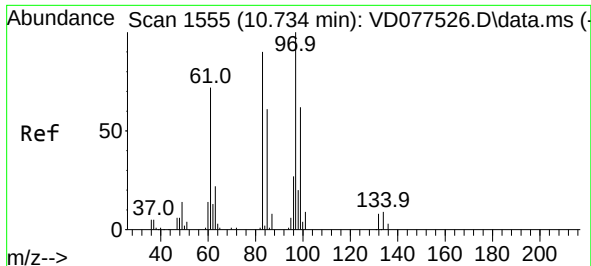
Tgt Ion: 75 Resp: 853396

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5

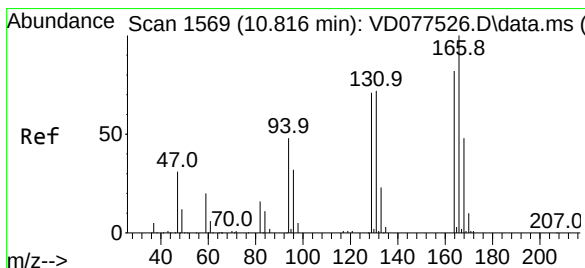
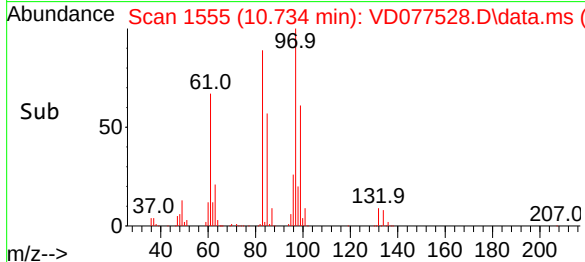
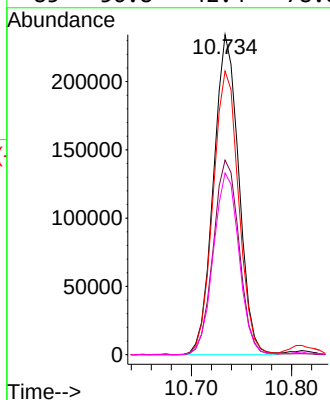
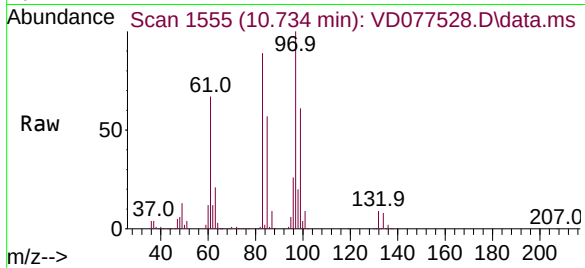




#45  
1,1,2-Trichloroethane  
Concen: 100.774 ug/L  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

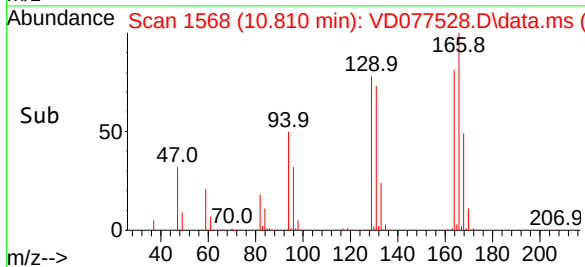
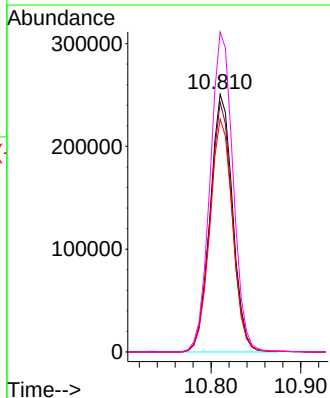
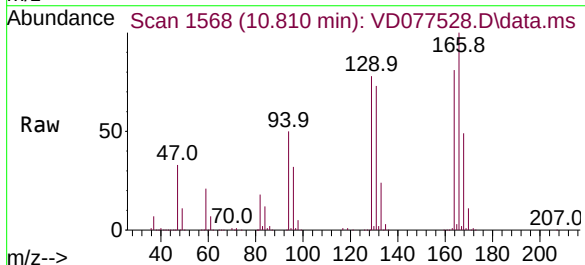
Instrument :  
MSVOA\_D  
ClientSampleId :

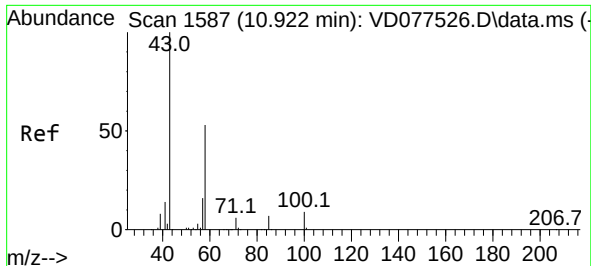
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 409178 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 60.8     | 43.5 80.7    |
| 83 88.6     | 63.1 117.3   |
| 85 56.8     | 42.4 78.8    |



#46  
Tetrachloroethene  
Concen: 100.474 ug/L  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

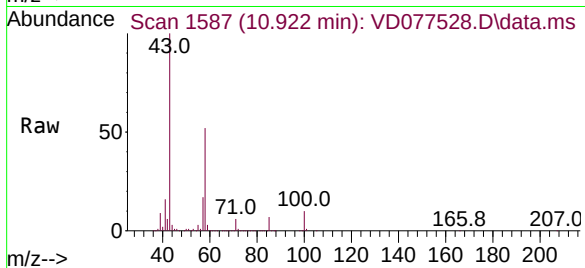
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 437704 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 96.9    | 60.6  | 112.6  |
| 131 | 90.5    | 61.6  | 114.4  |
| 166 | 124.2   | 85.4  | 158.6  |



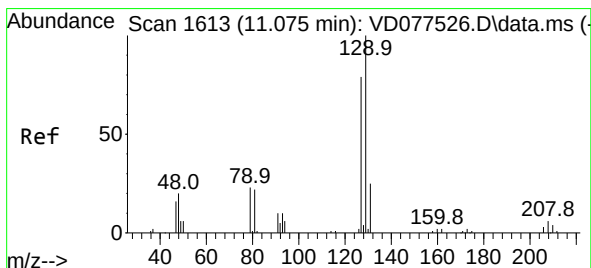
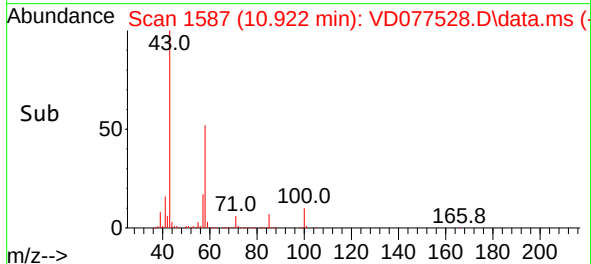
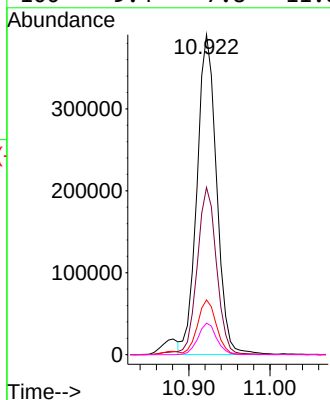


#48  
2-Hexanone  
Concen: 203.974 ug/L  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Instrument :  
MSVOA\_D  
ClientSampleId :

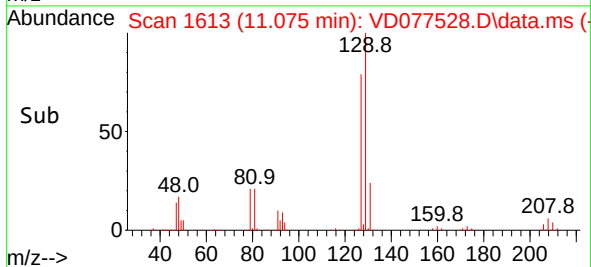
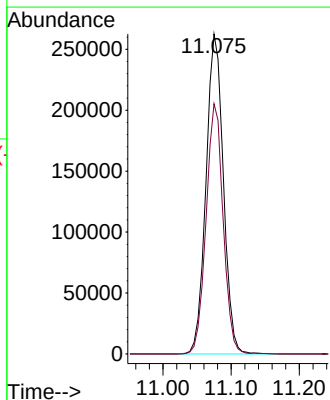
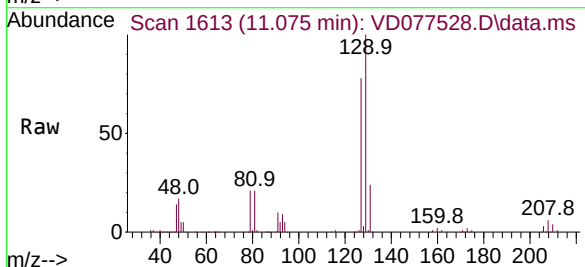


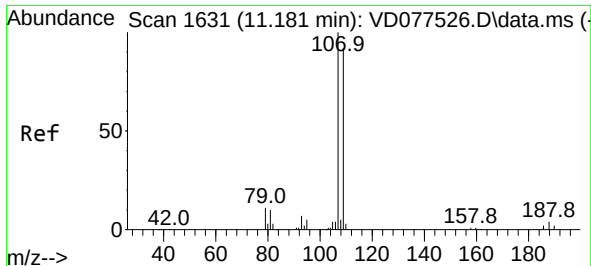
Tgt Ion: 43 Resp: 654458  
Ion Ratio Lower Upper  
43 100  
58 52.0 40.8 61.2  
57 16.6 13.7 20.5  
100 9.4 7.8 11.8



#49  
Dibromochloromethane  
Concen: 100.799 ug/L  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 129 Resp: 464904  
Ion Ratio Lower Upper  
129 100  
127 78.2 54.9 102.1

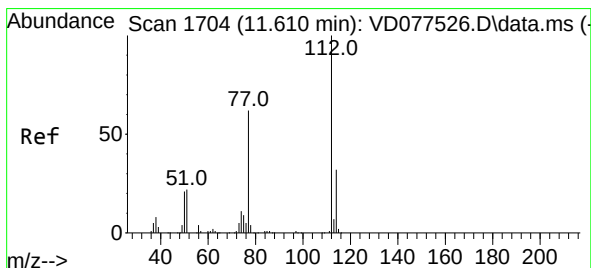
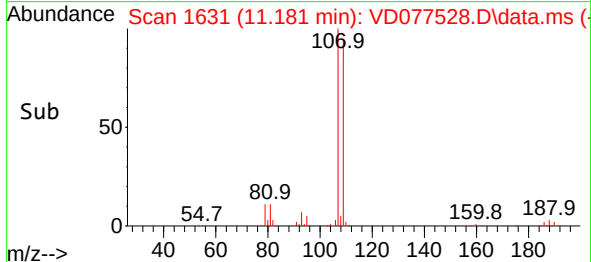
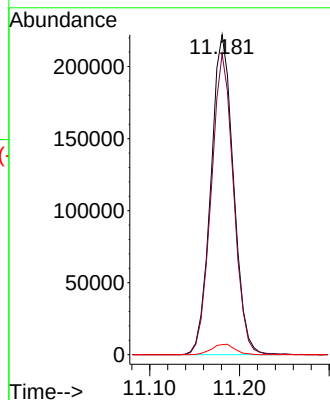
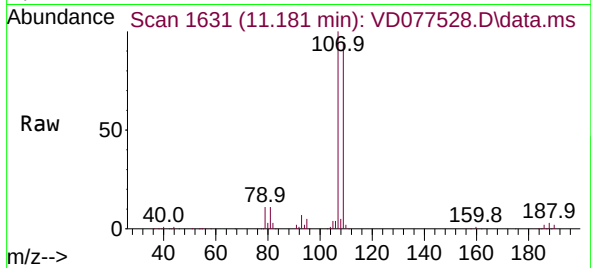




#50  
1,2-Dibromoethane  
Concen: 100.062 ug/L  
RT: 11.181 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

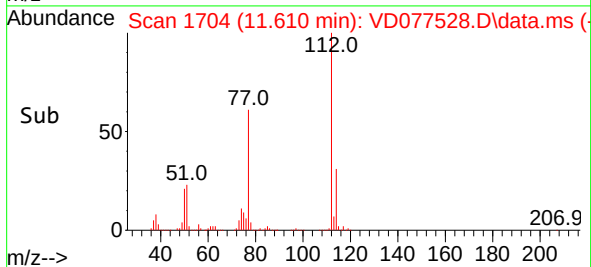
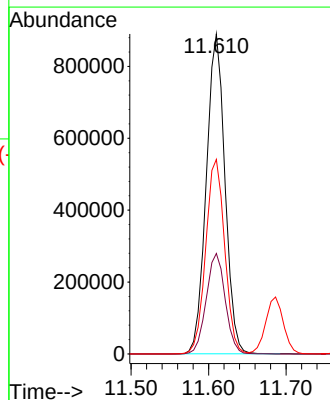
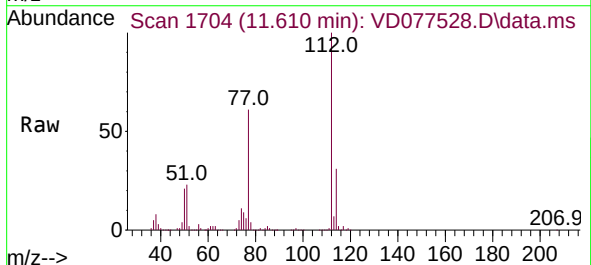
Instrument :  
MSVOA\_D  
ClientSampleId :

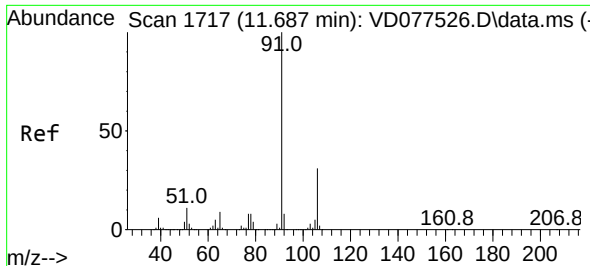
Tgt Ion:107 Resp: 388527  
Ion Ratio Lower Upper  
107 100  
109 94.0 64.8 120.3  
188 3.3 3.2 4.8



#51  
Chlorobenzene  
Concen: 101.162 ug/L  
RT: 11.610 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:112 Resp: 1486772  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.4 41.6  
77 60.8 49.6 74.4

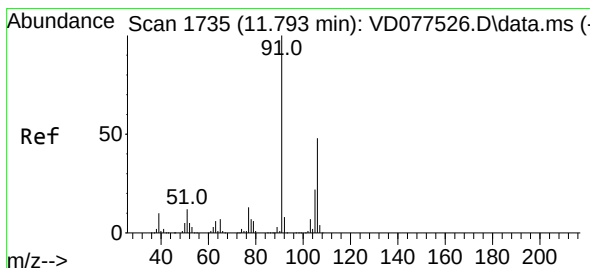
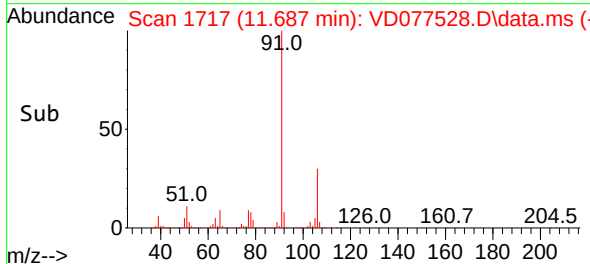
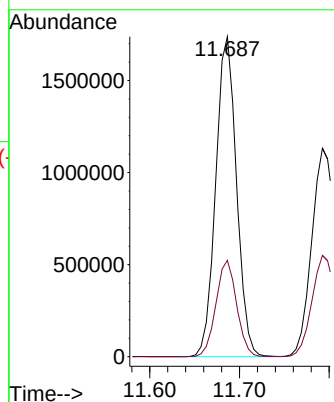
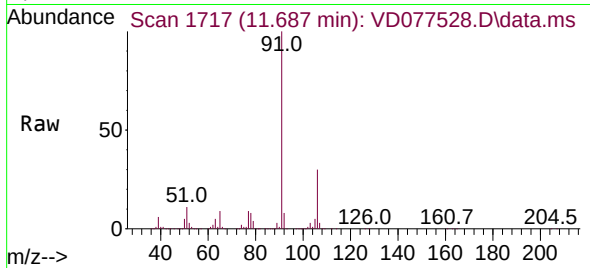




#52  
Ethylbenzene  
Concen: 101.213 ug/L  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

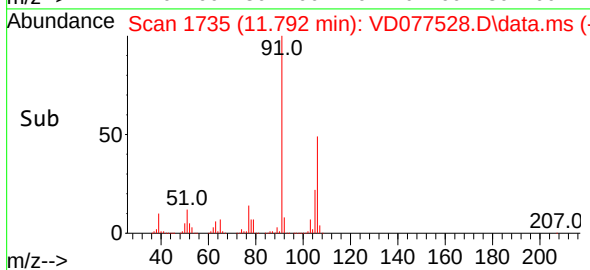
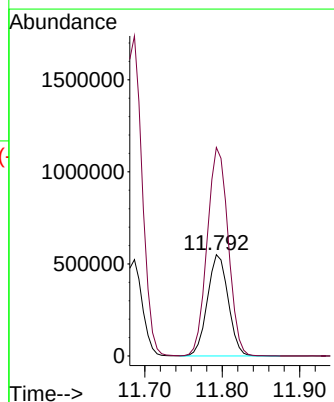
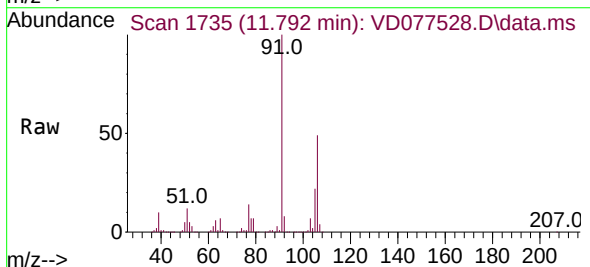
Instrument :  
MSVOA\_D  
ClientSampleId :

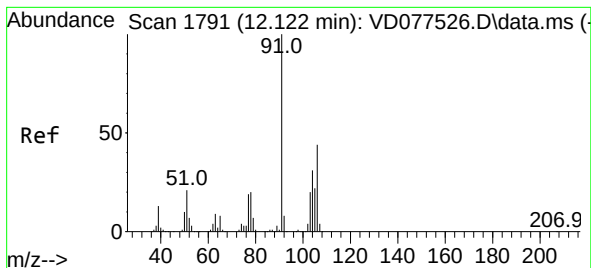
Tgt Ion: 91 Resp: 2793804  
Ion Ratio Lower Upper  
91 100  
106 30.1 22.0 40.8



#53  
m,p-Xylene  
Concen: 102.018 ug/L  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:106 Resp: 1024727  
Ion Ratio Lower Upper  
106 100  
91 205.9 146.7 272.4





#54

o-Xylene

Concen: 105.371 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077528.D

Acq: 09 Nov 2023 10:39

Instrument :

MSVOA\_D

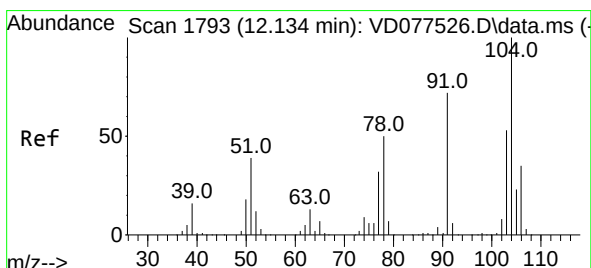
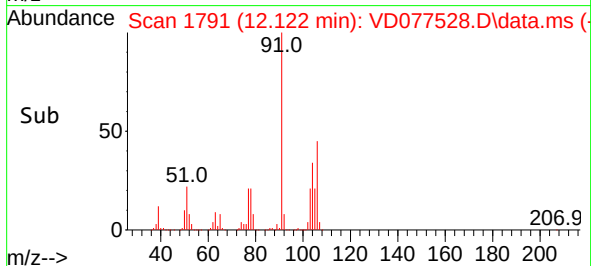
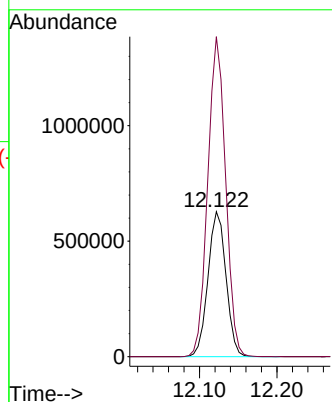
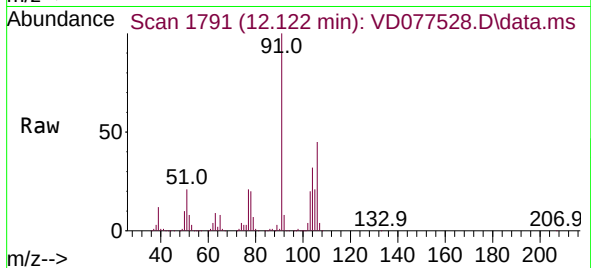
ClientSampleId :

Tgt Ion:106 Resp: 1013690

Ion Ratio Lower Upper

106 100

91 220.7 158.5 294.4



#55

Styrene

Concen: 104.919 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD077528.D

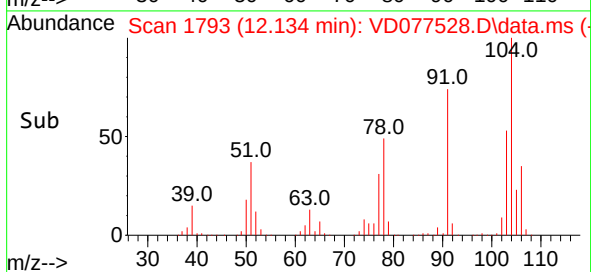
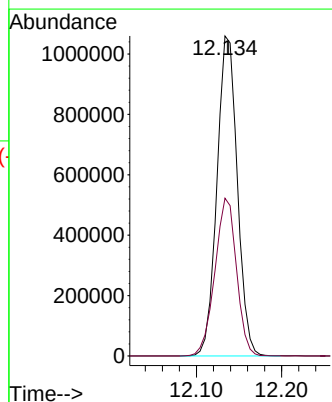
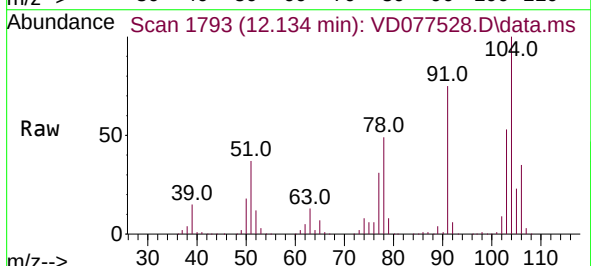
Acq: 09 Nov 2023 10:39

Tgt Ion:104 Resp: 1762349

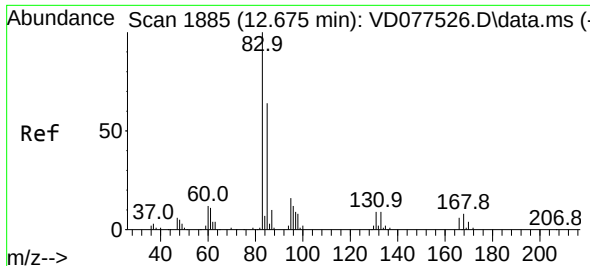
Ion Ratio Lower Upper

104 100

78 49.3 34.9 64.9

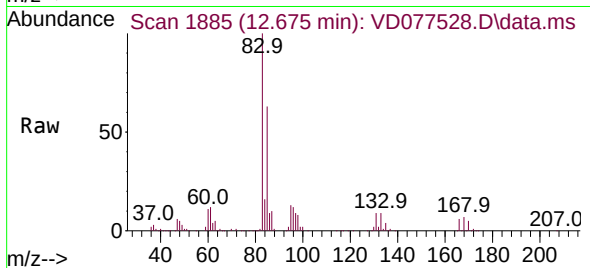




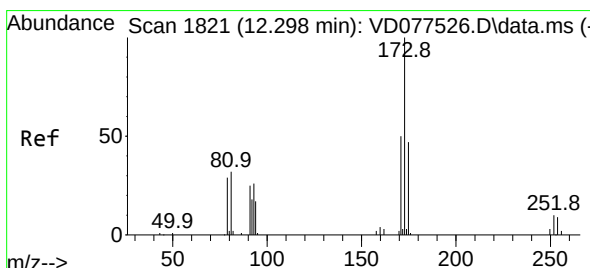
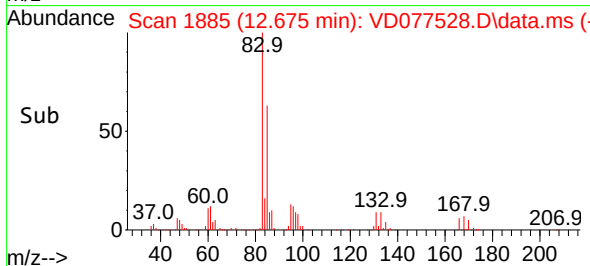
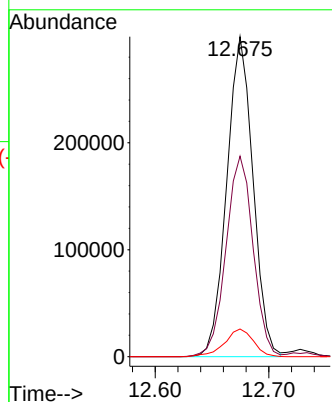


#57  
1,1,2,2-Tetrachloroethane  
Concen: 100.481 ug/L  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Instrument :  
MSVOA\_D  
ClientSampleId :

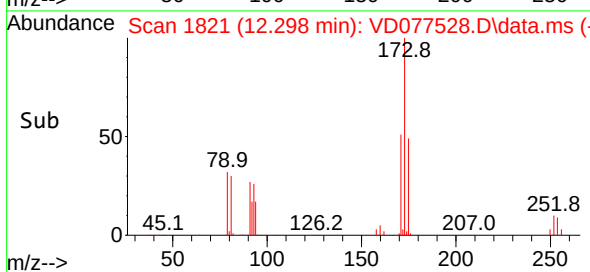
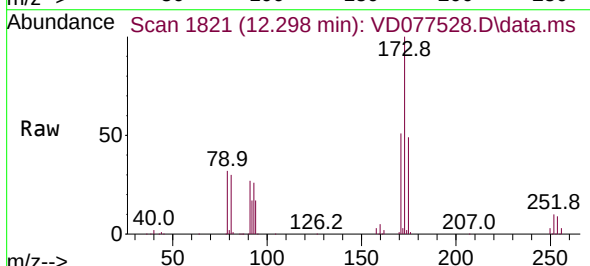
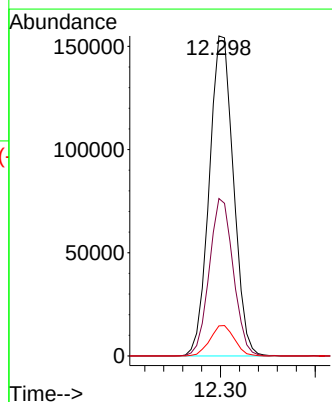


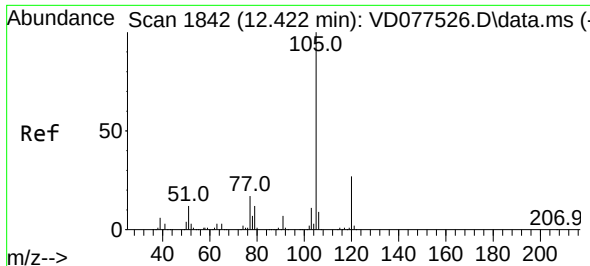
Tgt Ion: 83 Resp: 480625  
Ion Ratio Lower Upper  
83 100  
85 62.6 44.9 83.3  
131 8.6 7.2 10.8



#59  
Bromoform  
Concen: 96.042 ug/L  
RT: 12.298 min Scan# 1821  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

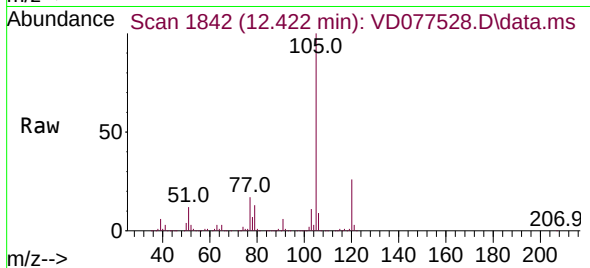
Tgt Ion:173 Resp: 275739  
Ion Ratio Lower Upper  
173 100  
175 48.7 38.2 57.2  
254 9.6 7.1 10.7



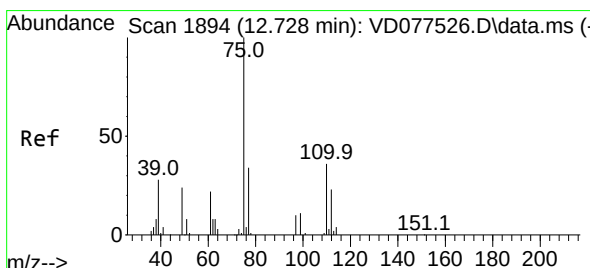
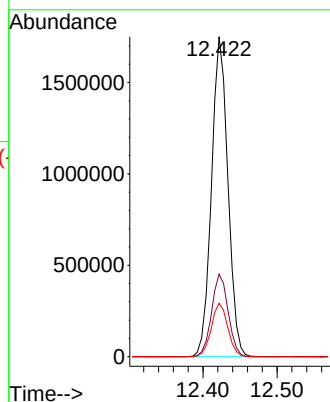
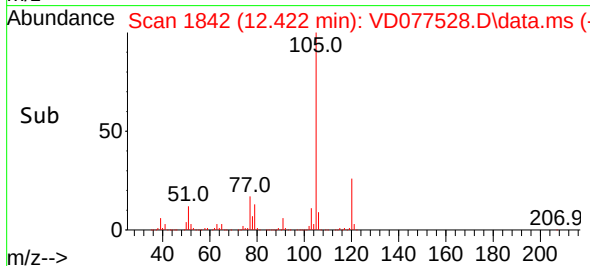


#60  
Isopropylbenzene  
Concen: 98.638 ug/L  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Instrument :  
MSVOA\_D  
ClientSampleId :

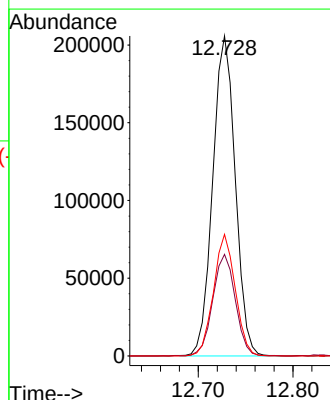
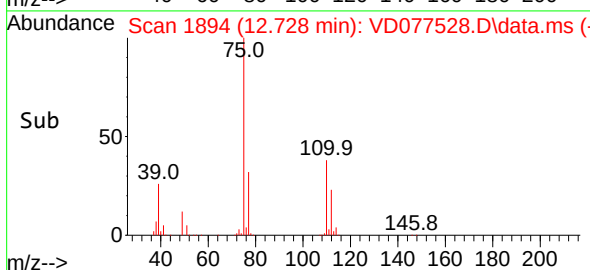
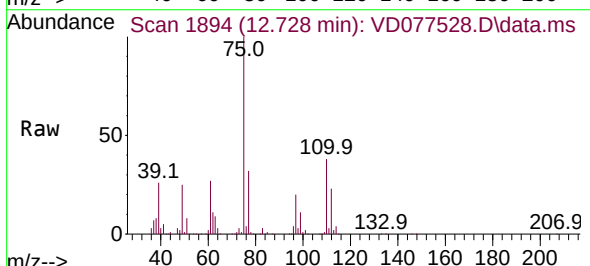


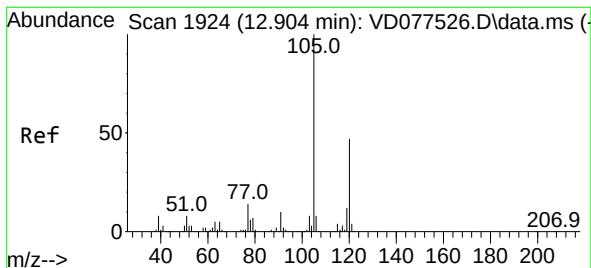
Tgt Ion:105 Resp: 2686726  
Ion Ratio Lower Upper  
105 100  
120 26.0 21.0 31.4  
77 16.8 13.4 20.2



#61  
1,2,3-Trichloropropane  
Concen: 94.737 ug/L  
RT: 12.728 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion: 75 Resp: 339820  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.6 38.4  
110 36.6 29.6 44.4

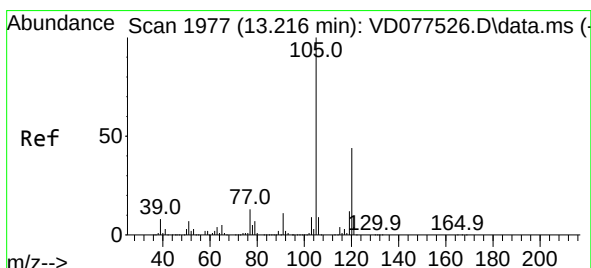
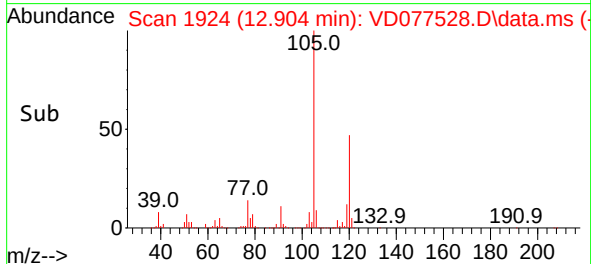
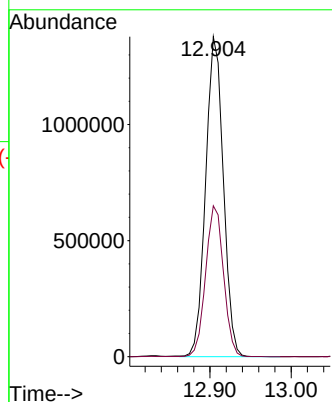
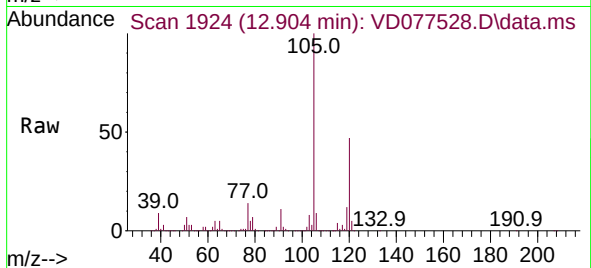




#62  
1,3,5-Trimethylbenzene  
Concen: 100.747 ug/L  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

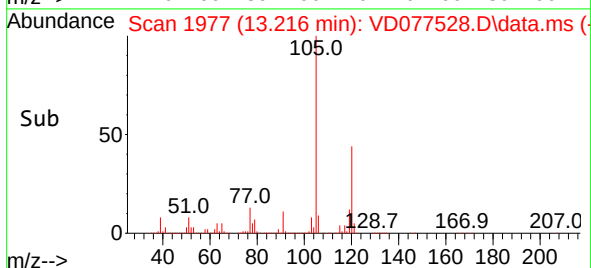
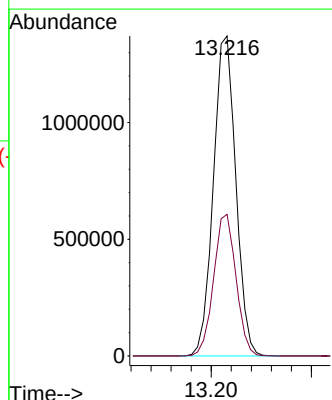
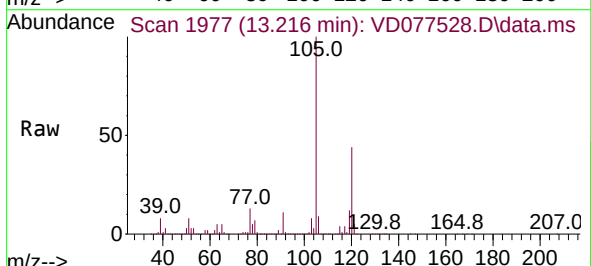
Instrument :  
MSVOA\_D  
ClientSampleId :

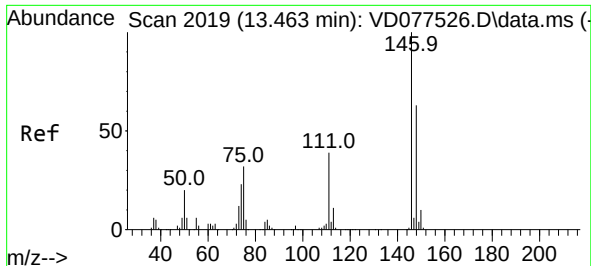
Tgt Ion:105 Resp: 2082697  
Ion Ratio Lower Upper  
105 100  
120 47.8 37.8 56.6



#63  
1,2,4-Trimethylbenzene  
Concen: 101.754 ug/L  
RT: 13.216 min Scan# 1977  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:105 Resp: 2130788  
Ion Ratio Lower Upper  
105 100  
120 44.2 35.6 53.4

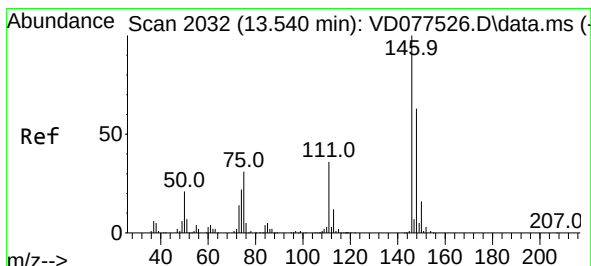
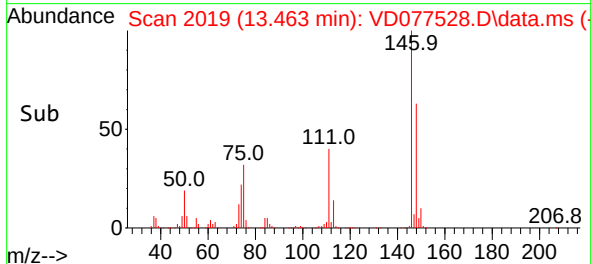
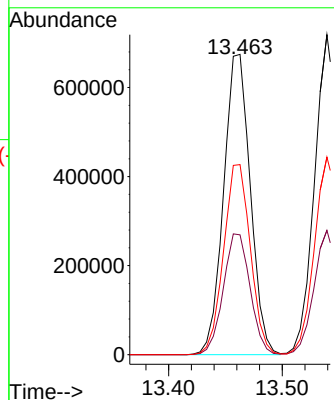
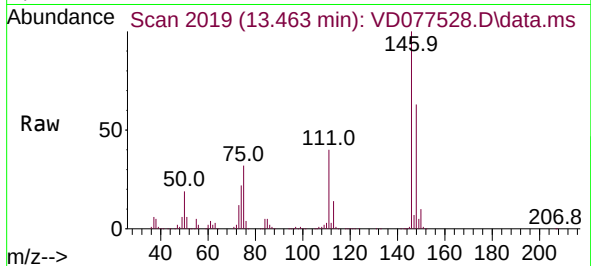




#64  
1,3-Dichlorobenzene  
Concen: 98.747 ug/L  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

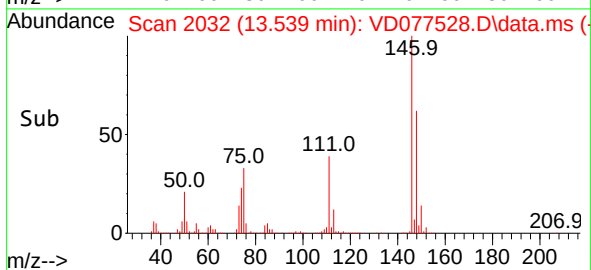
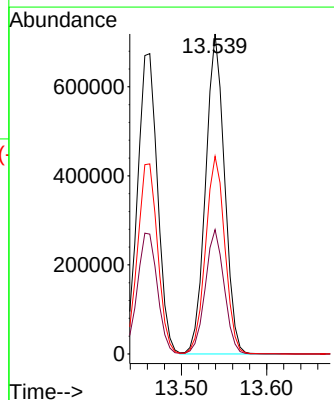
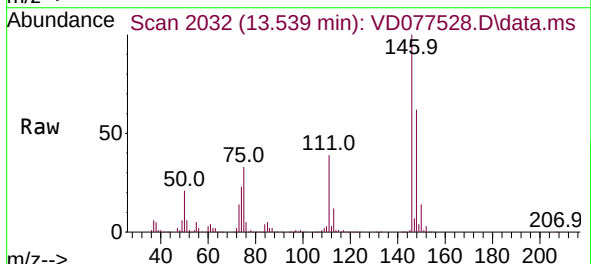
Instrument :  
MSVOA\_D  
ClientSampleId :

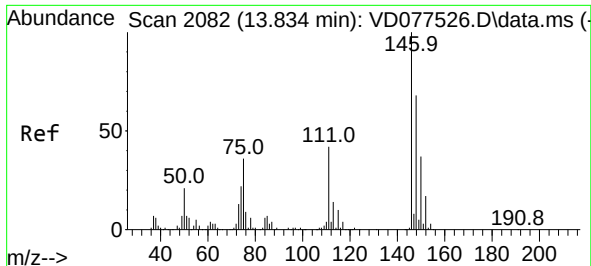
Tgt Ion:146 Resp: 1103453  
Ion Ratio Lower Upper  
146 100  
111 39.9 27.2 50.6  
148 63.3 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 98.330 ug/L  
RT: 13.539 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

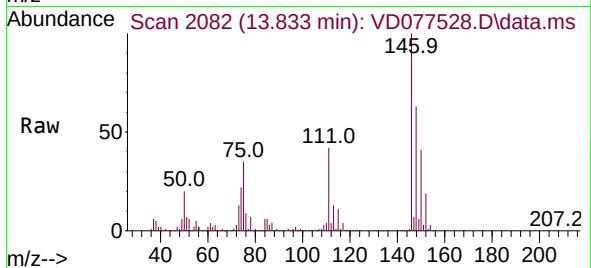
Tgt Ion:146 Resp: 1108902  
Ion Ratio Lower Upper  
146 100  
111 38.8 25.6 47.4  
148 61.7 44.1 81.9



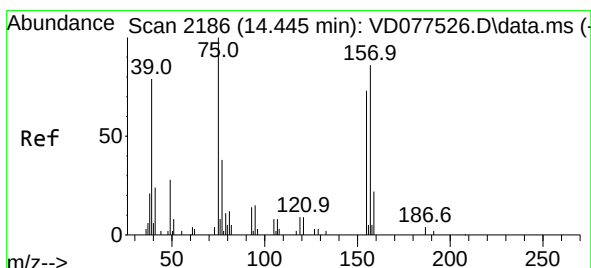
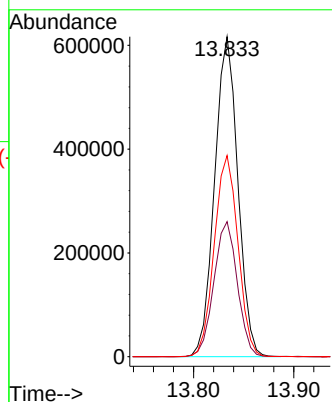
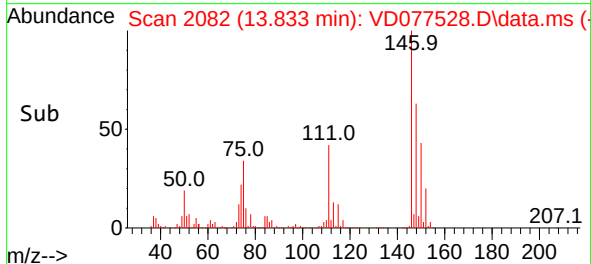


#67  
 1,2-Dichlorobenzene  
 Concen: 100.382 ug/L  
 RT: 13.833 min Scan# 2082  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

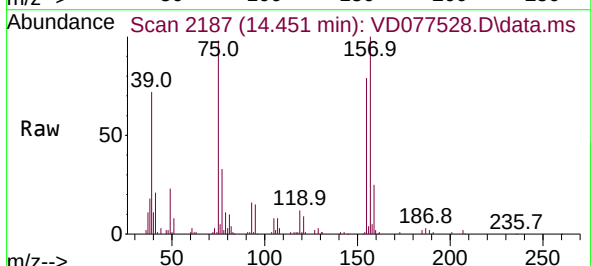
Instrument :  
 MSVOA\_D  
 ClientSampleId :



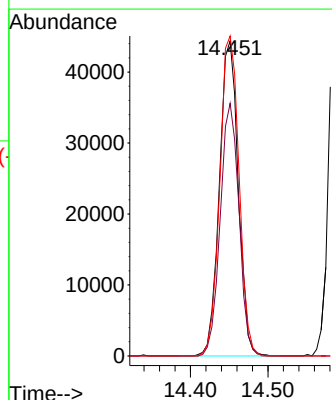
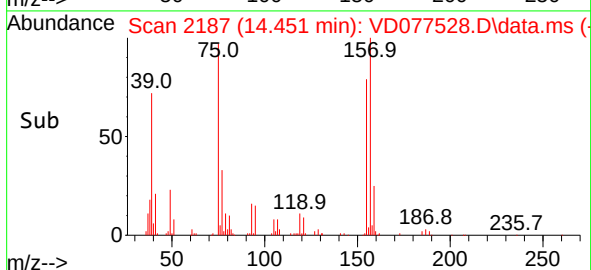
Tgt Ion:146 Resp: 991715  
 Ion Ratio Lower Upper  
 146 100  
 111 42.2 33.8 50.6  
 148 62.9 54.3 81.5

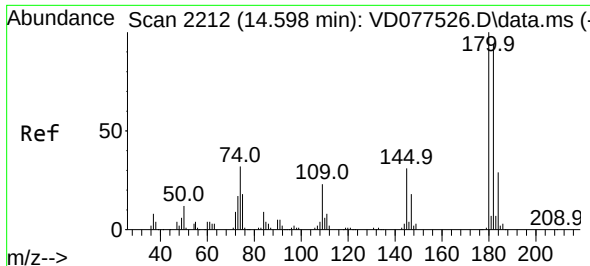


#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 96.090 ug/L  
 RT: 14.451 min Scan# 2187  
 Delta R.T. 0.006 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39



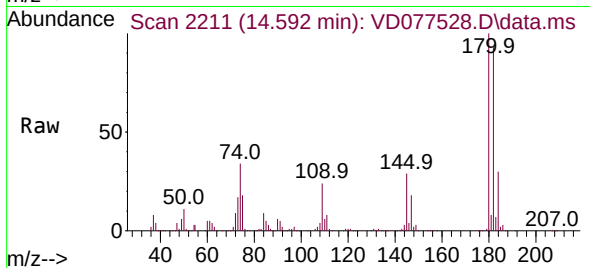
Tgt Ion: 75 Resp: 74972  
 Ion Ratio Lower Upper  
 75 100  
 155 80.2 58.2 87.2  
 157 101.6 68.7 103.1



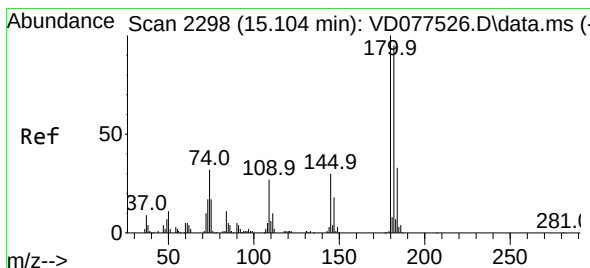
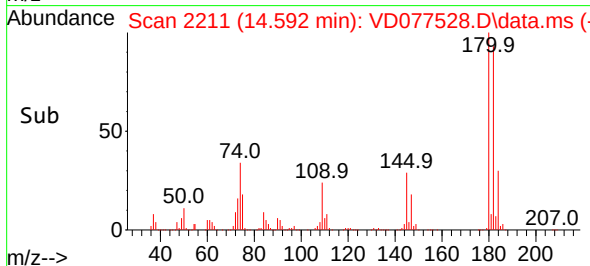
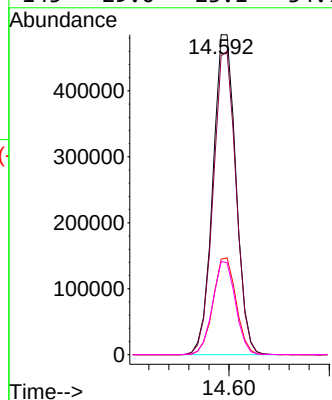


#69  
 1,3,5-Trichlorobenzene  
 Concen: 101.359 ug/L  
 RT: 14.592 min Scan# 2111  
 Delta R.T. -0.006 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Instrument :  
 MSVOA\_D  
 ClientSampleId :

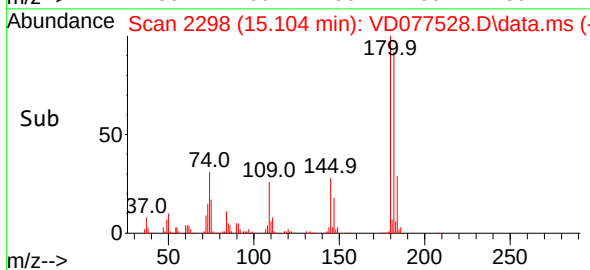
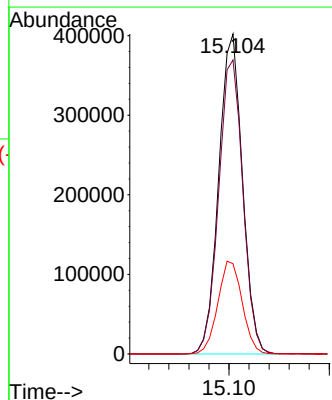
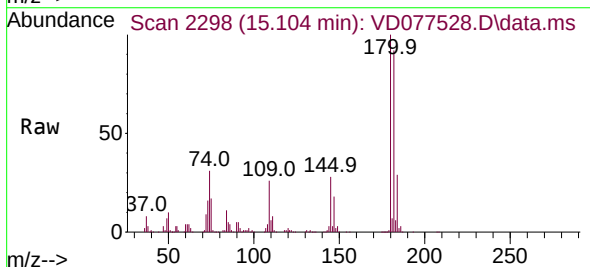


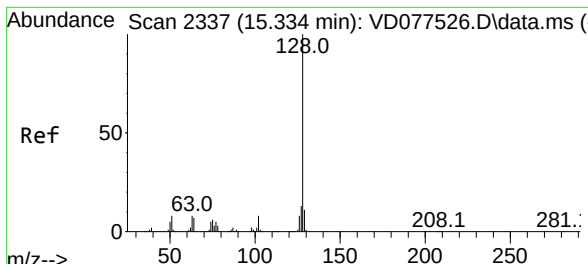
Tgt Ion:180 Resp: 771207  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 76.1 114.1  
 184 30.3 24.0 36.0  
 145 29.0 23.1 34.7



#70  
 1,2,4-trichlorobenzene  
 Concen: 103.002 ug/L  
 RT: 15.104 min Scan# 2298  
 Delta R.T. -0.000 min  
 Lab File: VD077528.D  
 Acq: 09 Nov 2023 10:39

Tgt Ion:180 Resp: 660510  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 75.8 113.6  
 145 29.8 24.1 36.1

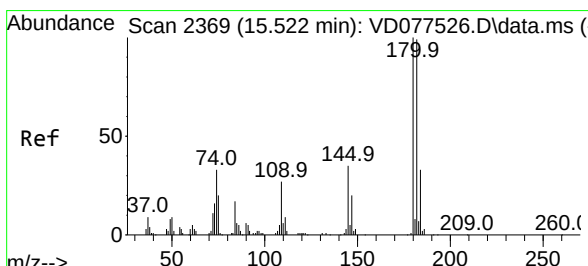
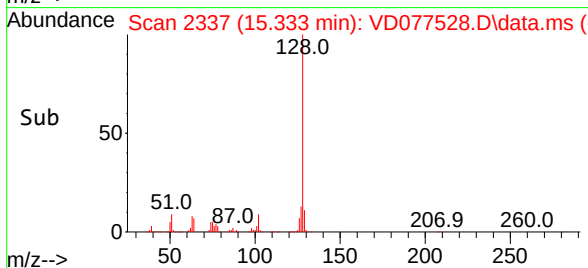
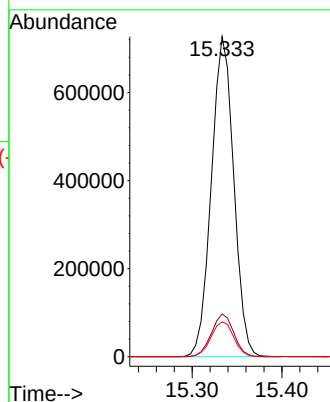
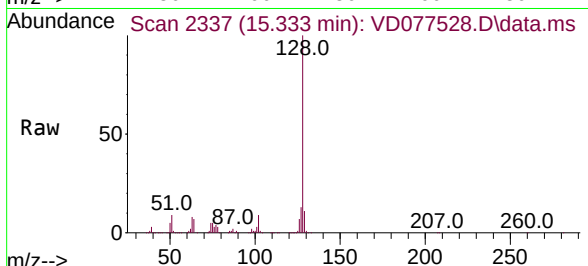




#71  
Naphthalene  
Concen: 104.244 ug/L  
RT: 15.333 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 1259828  
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: 103.759 ug/L  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.000 min  
Lab File: VD077528.D  
Acq: 09 Nov 2023 10:39

Tgt Ion:180 Resp: 567331  
Ion Ratio Lower Upper  
180 100  
182 95.3 76.8 115.2  
145 31.3 26.0 39.0

