

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102022\  
 Data File : VD074593.D  
 Acq On : 20 Oct 2022 13:11  
 Operator : VA/SY  
 Sample : N5142-07  
 Misc : 6.55G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-10

Quant Time: Oct 20 14:56:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

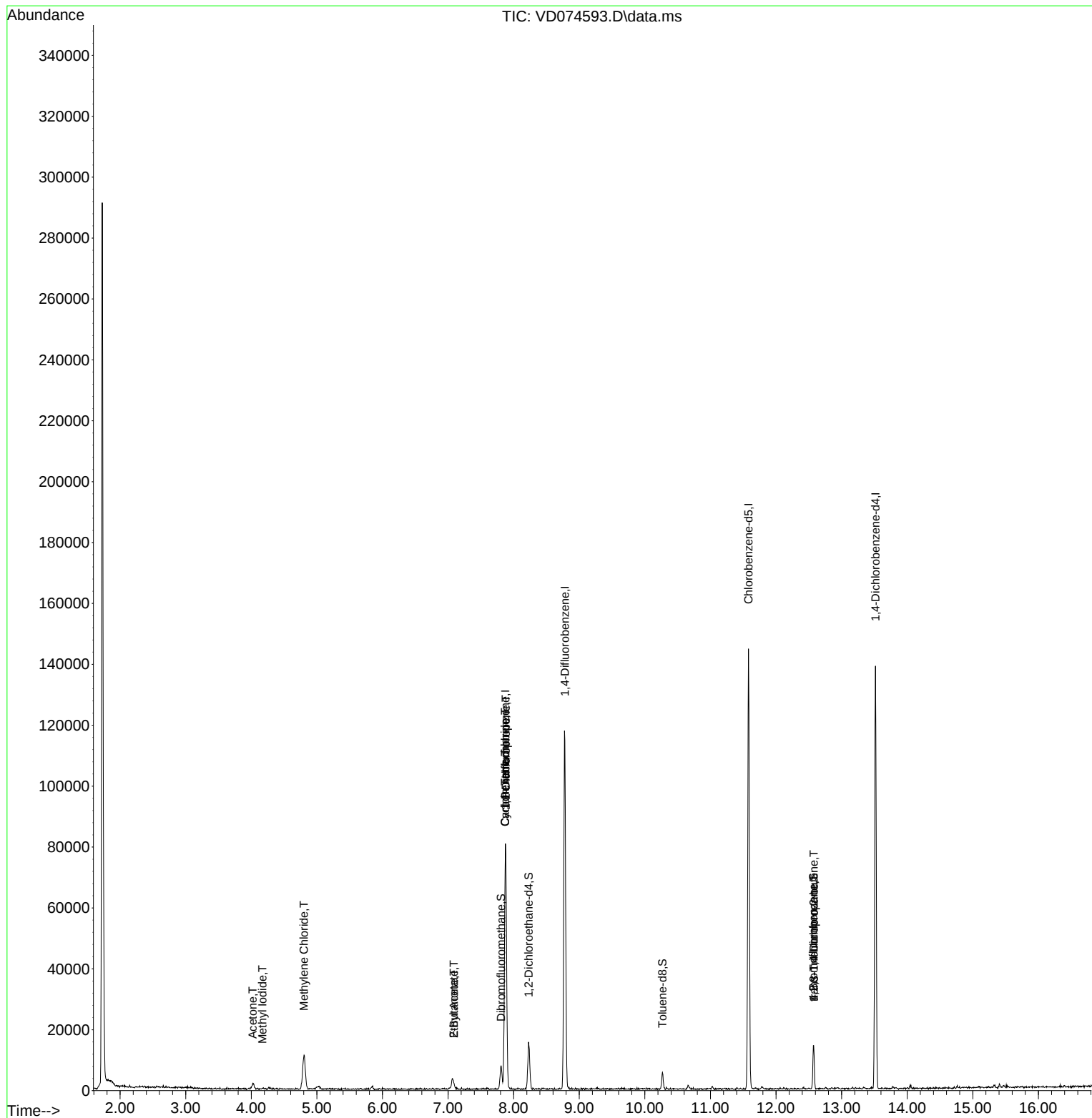
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 67804    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 115091   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 90879    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 39509    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 12056    | 23.289    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 46.580%# |
| 35) Dibromofluoromethane      | 7.810  | 113   | 5591     | 7.840     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 15.680%# |
| 50) Toluene-d8                | 10.269 | 98    | 4429     | 1.923     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 3.840%#  |
| 62) 4-Bromofluorobenzene      | 12.569 | 95    | 3759     | 3.886     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 7.780%#  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.169  | 142   | 141      | 4.078     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 5.058  | 59    | 68       | Below Cal | #      | 84       |
| 16) Acetone                   | 4.022  | 43    | 3180     | 28.131    | ug/l   | 90       |
| 20) Methylene Chloride        | 4.805  | 84    | 9722     | 1.378     | ug/l   | 94       |
| 25) 2-Butanone                | 7.087  | 43    | 923      | 6.106     | ug/l # | 42       |
| 31) Cyclohexane               | 7.869  | 56    | 1040     | 1.000     | ug/l # | 25       |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 4349     | 4.206     | ug/l # | 43       |
| 37) Ethyl Acetate             | 7.087  | 43    | 923      | 2.829     | ug/l # | 66       |
| 38) Carbon Tetrachloride      | 7.869  | 117   | 5997     | 5.923     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 2015     | 5.841     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 2015     | 14.926    | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

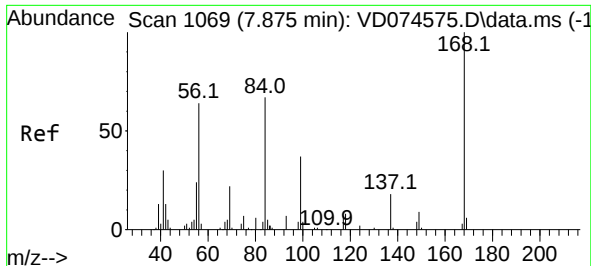
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102022\  
Data File : VD074593.D  
Acq On : 20 Oct 2022 13:11  
Operator : VA/SY  
Sample : N5142-07  
Misc : 6.55G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10

Quant Time: Oct 20 14:56:32 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 20 06:41:20 2022  
Response via : Initial Calibration

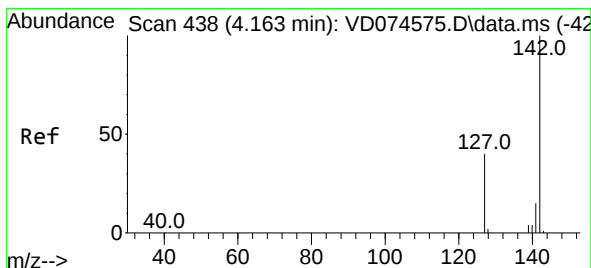
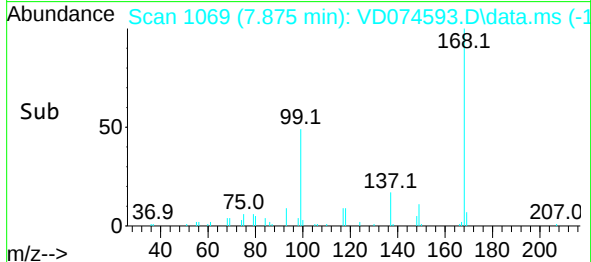
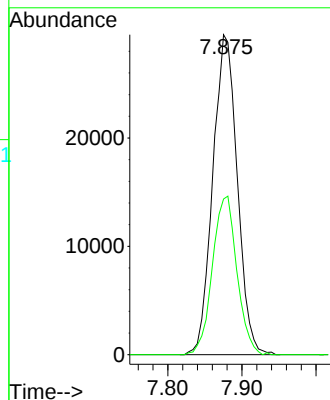
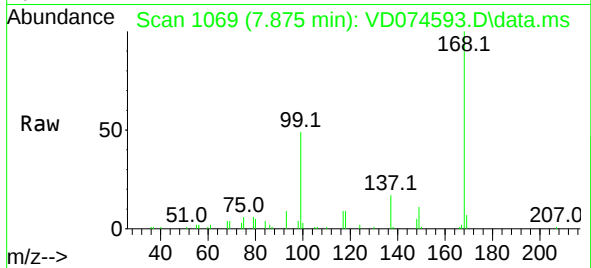




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

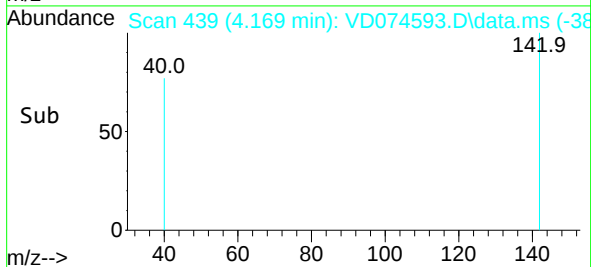
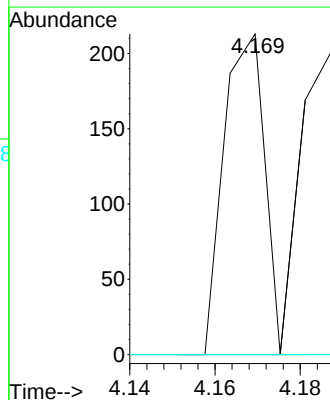
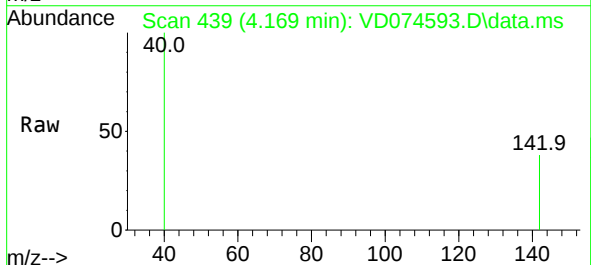
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10

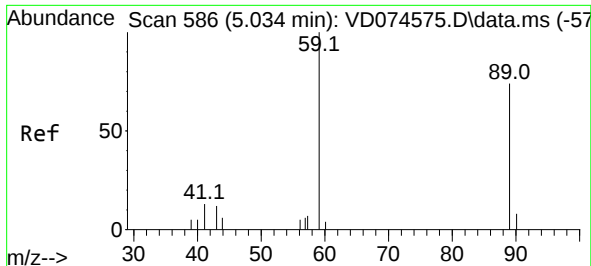
Tgt Ion:168 Resp: 67804  
Ion Ratio Lower Upper  
168 100  
99 48.7 40.9 61.3



#10  
Methyl Iodide  
Concen: 4.078 ug/l  
RT: 4.169 min Scan# 439  
Delta R.T. 0.011 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion:142 Resp: 141  
Ion Ratio Lower Upper  
142 100  
127 0.0 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 59

Delta R.T. 0.006 min

Lab File: VD074593.D

Acq: 20 Oct 2022 13:11

Instrument :

MSVOA\_D

ClientSampleId :

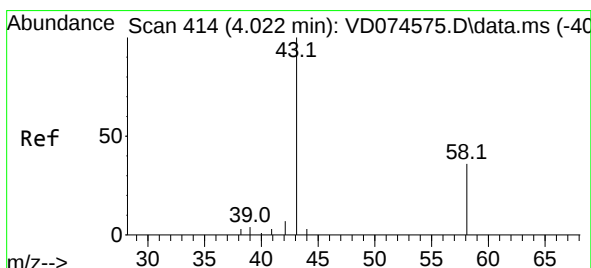
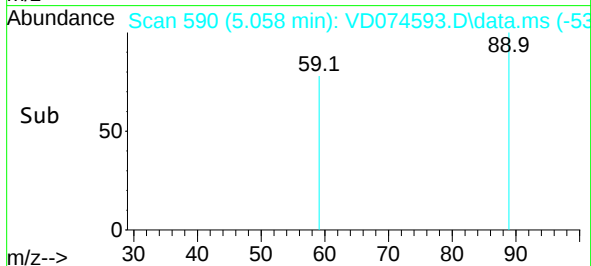
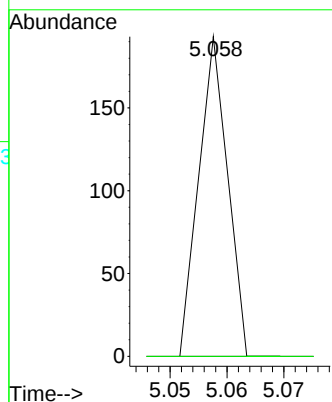
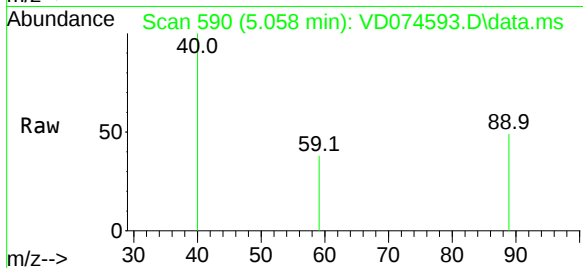
WC-10

Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 28.131 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074593.D

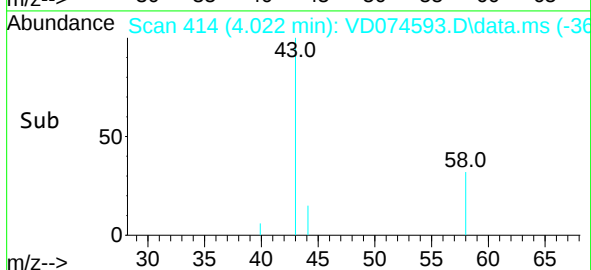
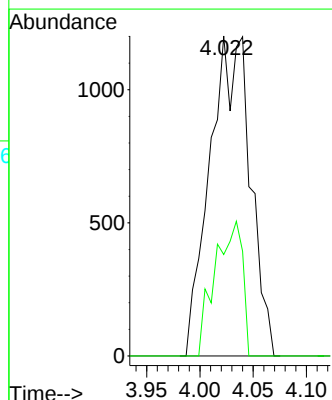
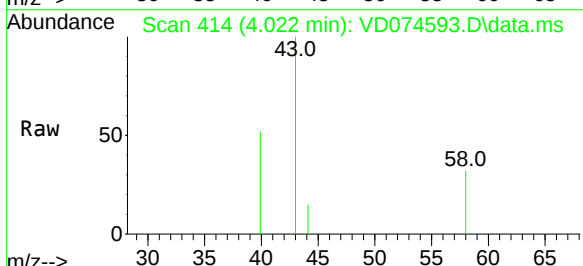
Acq: 20 Oct 2022 13:11

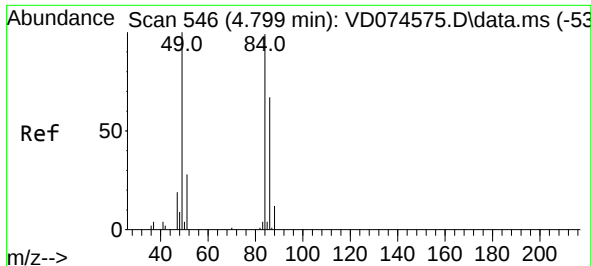
Tgt Ion: 43 Resp: 3180

Ion Ratio Lower Upper

43 100

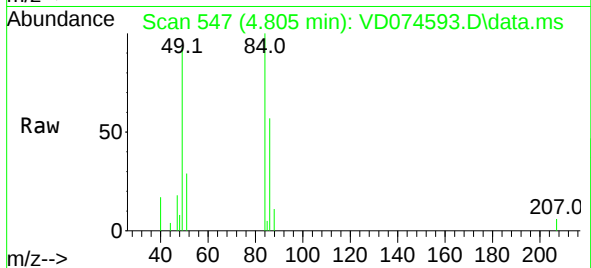
58 31.7 30.2 45.2





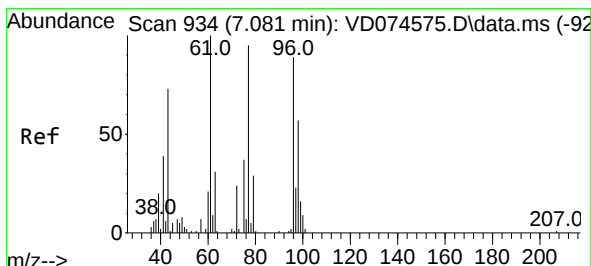
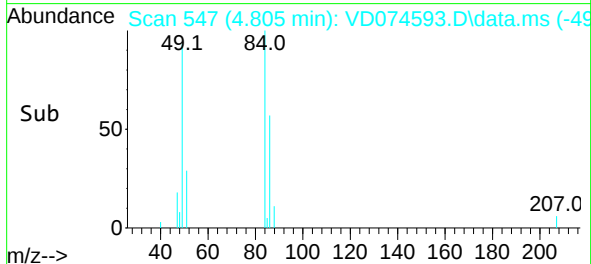
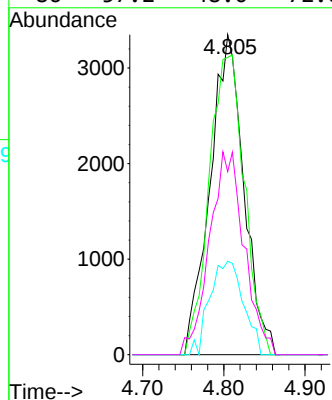
#20  
Methylene Chloride  
Concen: 1.378 ug/l  
RT: 4.805 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10



Tgt Ion: 84 Resp: 9722

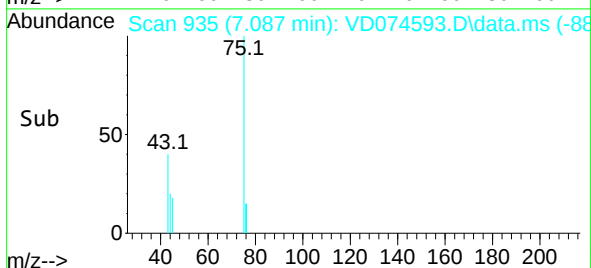
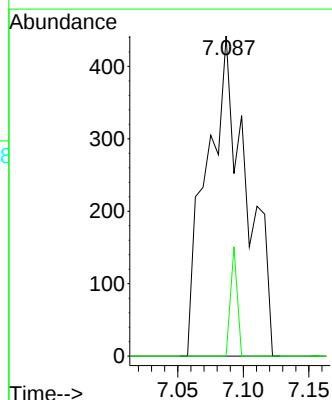
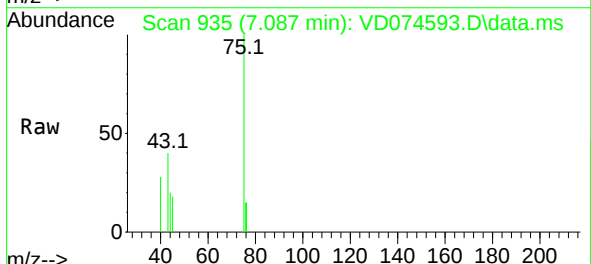
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 92.9  | 68.0  | 102.0 |
| 51  | 29.2  | 23.2  | 34.8  |
| 86  | 57.2  | 48.0  | 72.0  |

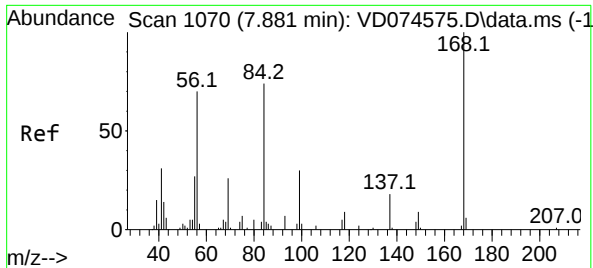


#25  
2-Butanone  
Concen: 6.106 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion: 43 Resp: 923

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 0.0   | 25.8  | 38.8  |

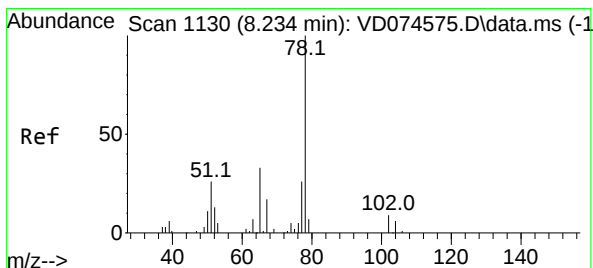
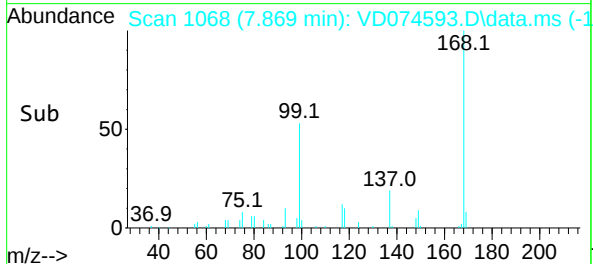
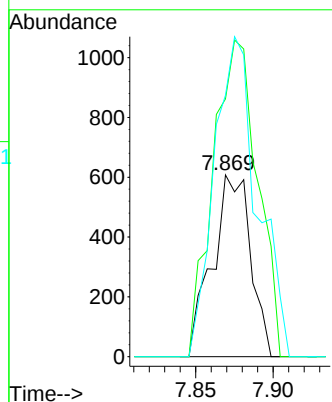
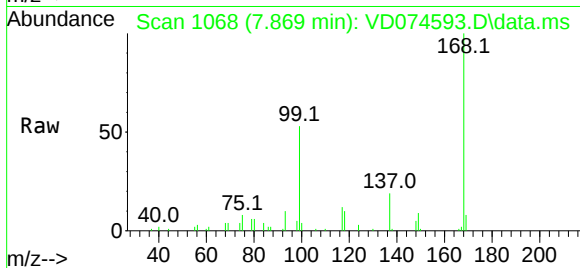




#31  
Cyclohexane  
Concen: 1.000 ug/l  
RT: 7.869 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

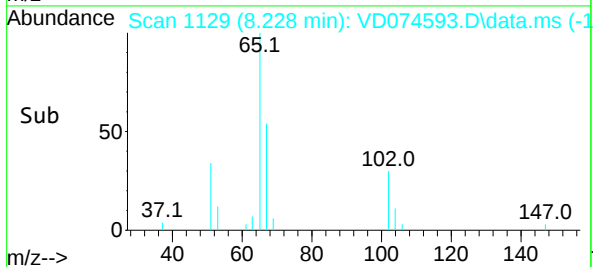
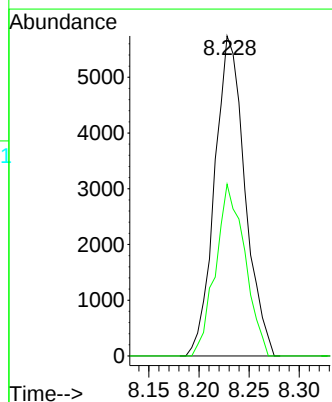
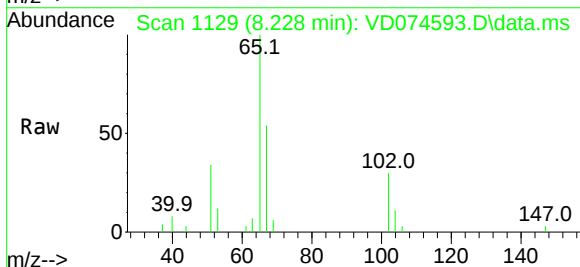
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10

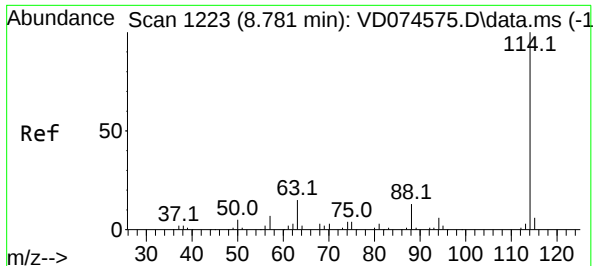
Tgt Ion: 56 Resp: 1040  
Ion Ratio Lower Upper  
56 100  
69 141.8 29.2 43.8#  
84 143.8 83.4 125.2#



#33  
1,2-Dichloroethane-d4  
Concen: 23.289 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion: 65 Resp: 12056  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074593.D

Acq: 20 Oct 2022 13:11

Instrument :

MSVOA\_D

ClientSampleId :

WC-10

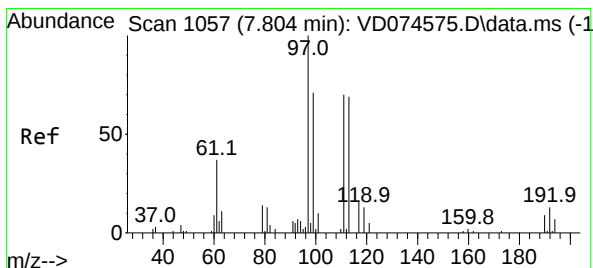
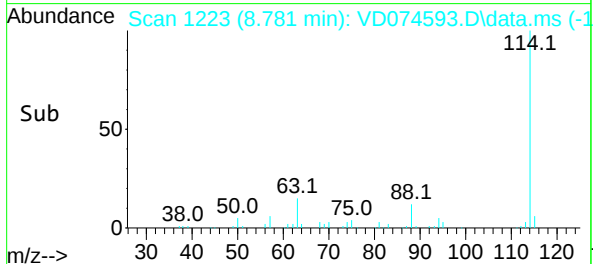
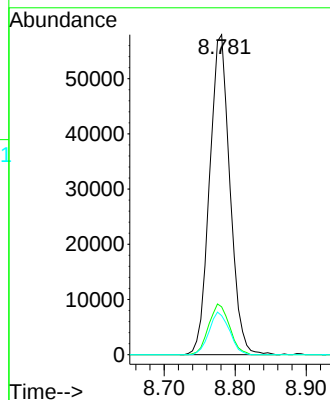
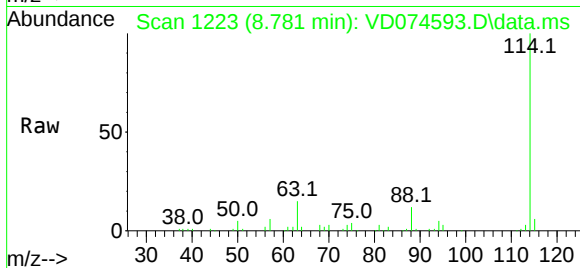
Tgt Ion:114 Resp: 115091

Ion Ratio Lower Upper

114 100

63 15.0 0.0 33.2

88 12.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 7.840 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074593.D

Acq: 20 Oct 2022 13:11

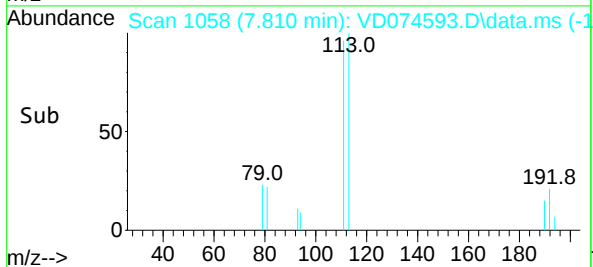
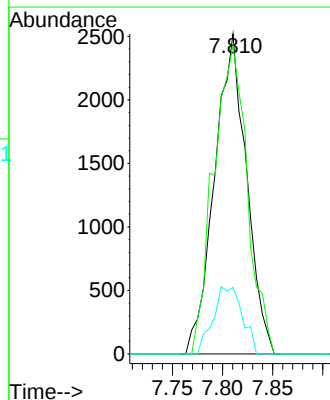
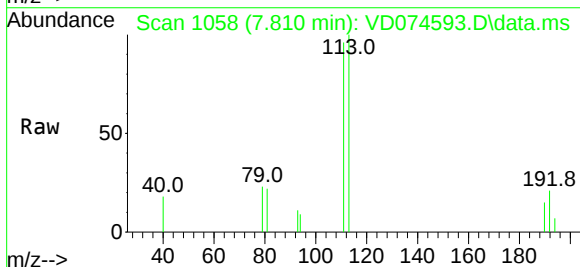
Tgt Ion:113 Resp: 5591

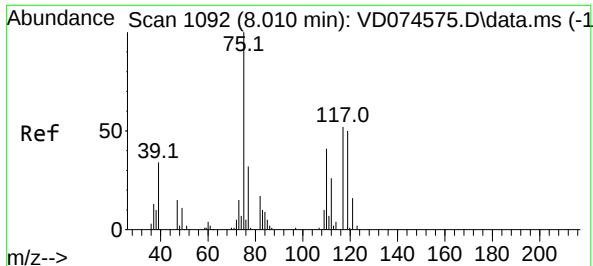
Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 19.1 16.4 24.6

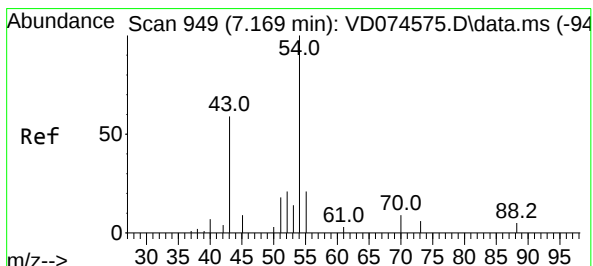
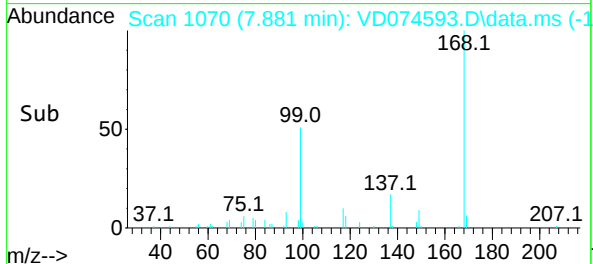
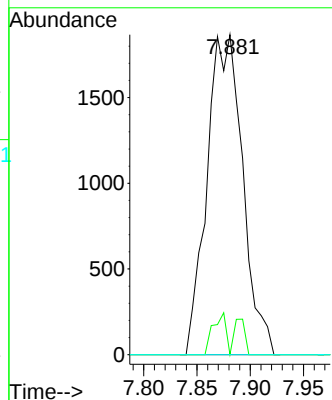
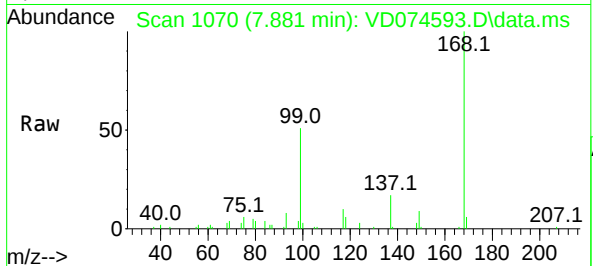




#36  
1,1-Dichloropropene  
Concen: 4.206 ug/l  
RT: 7.881 min Scan# 1092  
Delta R.T. -0.123 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

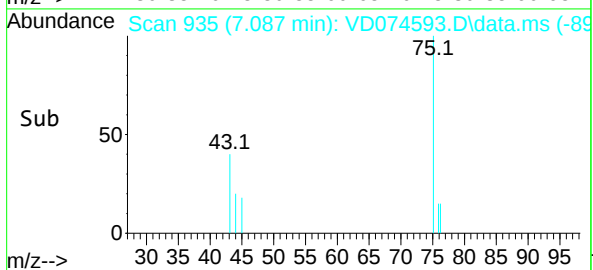
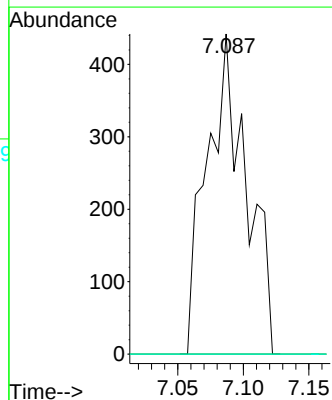
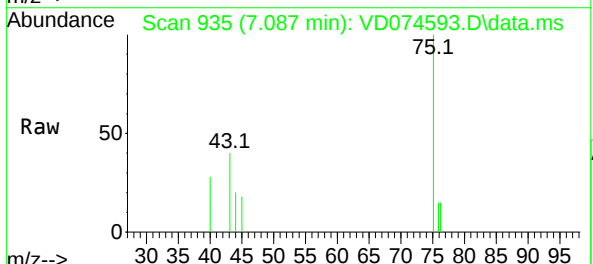
Instrument :  
MSVOA\_D  
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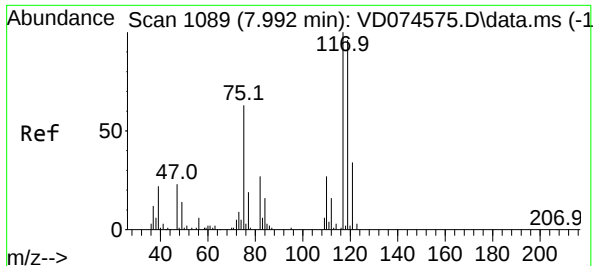
Tgt Ion: 75 Resp: 4349  
Ion Ratio Lower Upper  
75 100  
110 4.8 19.7 59.0#  
77 0.0 25.4 38.2#



#37  
Ethyl Acetate  
Concen: 2.829 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. -0.082 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion: 43 Resp: 923  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.2 18.4#  
70 0.0 9.6 14.4#

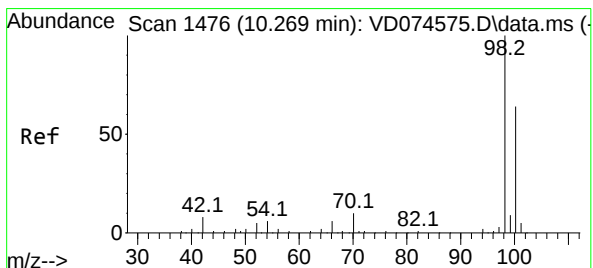
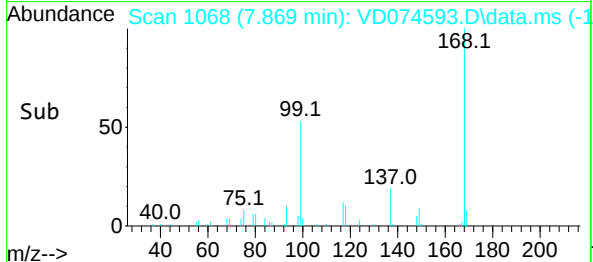
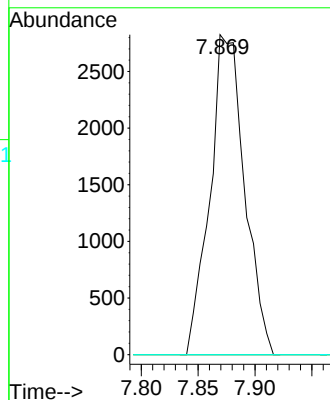
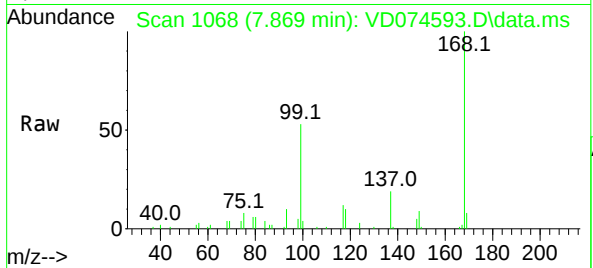




#38  
Carbon Tetrachloride  
Concen: 5.923 ug/l  
RT: 7.869 min Scan# 1089  
Delta R.T. -0.118 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

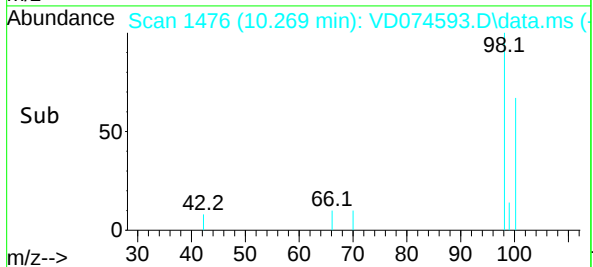
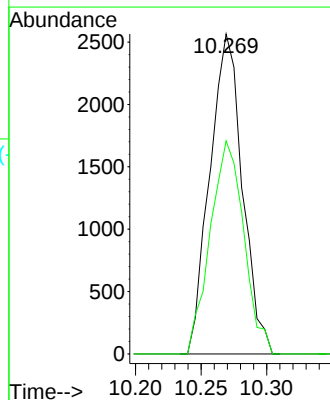
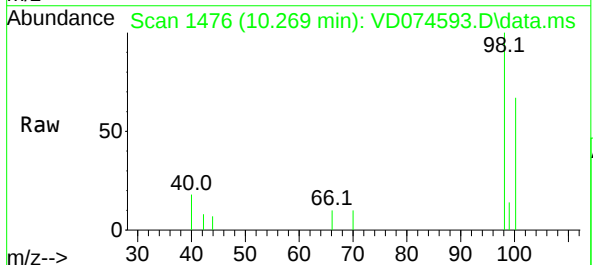
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10

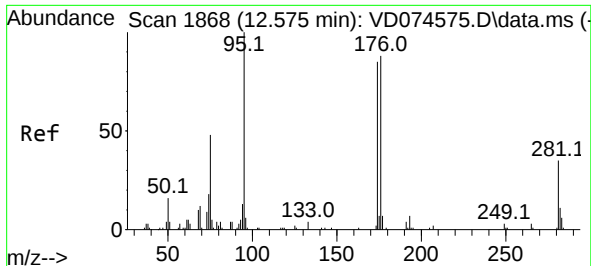
Tgt Ion: 117 Resp: 5997  
Ion Ratio Lower Upper  
117 100  
119 0.0 73.1 109.7#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 1.923 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion: 98 Resp: 4429  
Ion Ratio Lower Upper  
98 100  
100 68.8 51.4 77.0

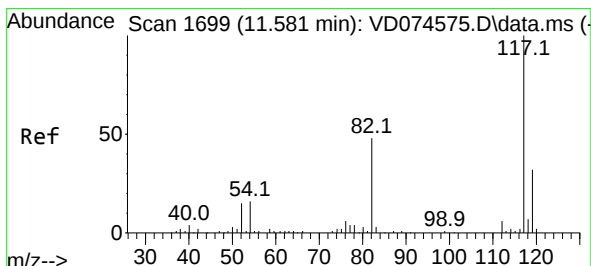
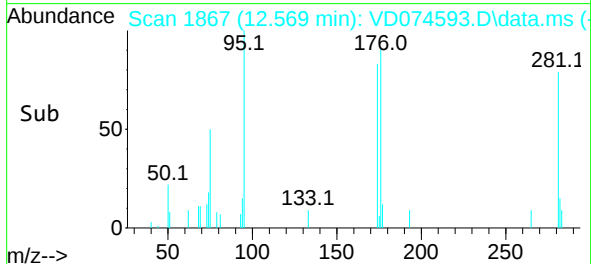
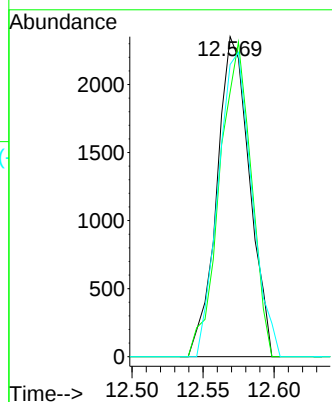
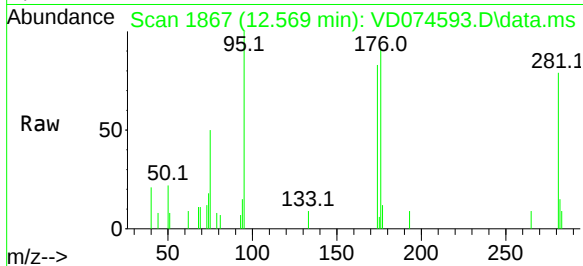




#62  
4-Bromofluorobenzene  
Concen: 3.886 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

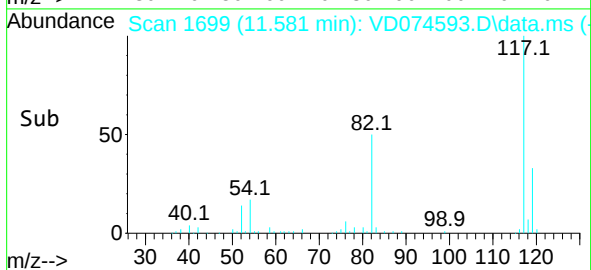
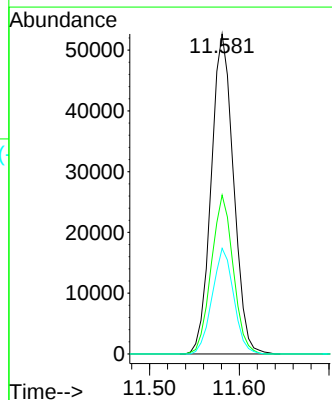
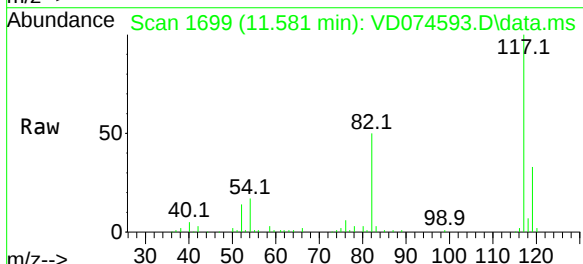
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-10

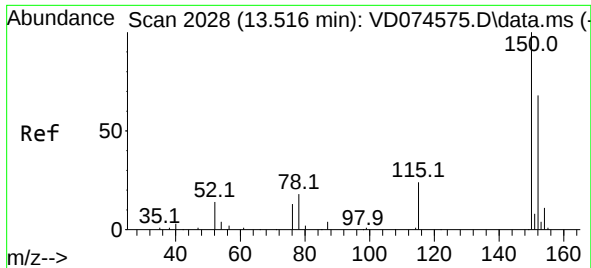
Tgt Ion: 95 Resp: 3759  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 197.0  
176 97.8 0.0 182.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074593.D  
Acq: 20 Oct 2022 13:11

Tgt Ion: 117 Resp: 90879  
Ion Ratio Lower Upper  
117 100  
82 49.6 41.6 62.4  
119 33.0 25.2 37.8

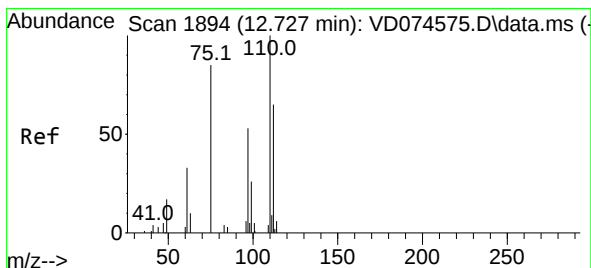
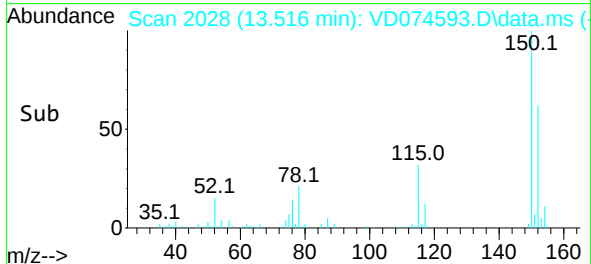
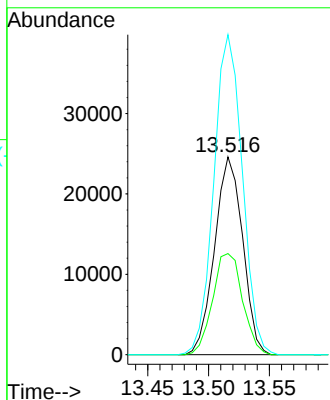
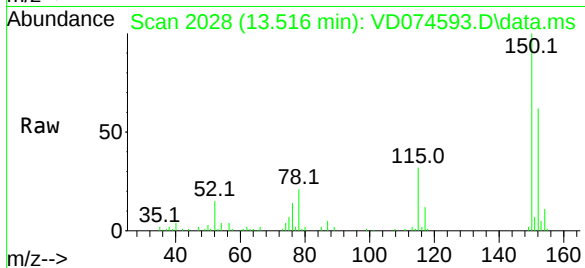




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VD074593.D  
 Acq: 20 Oct 2022 13:11

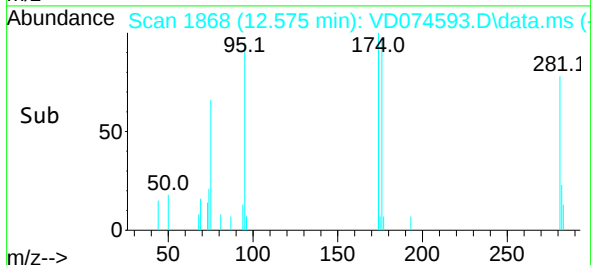
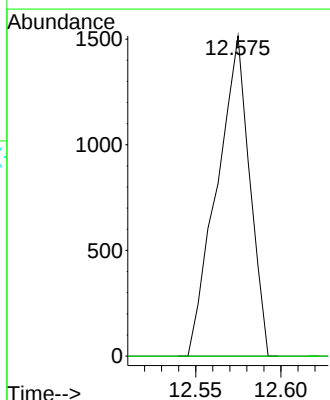
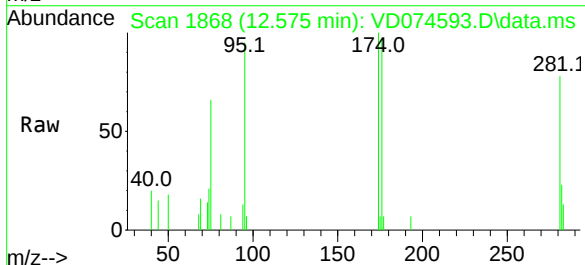
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-10

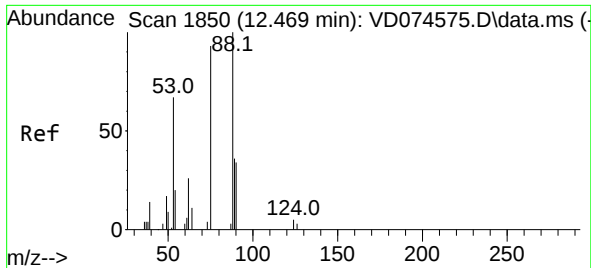
Tgt Ion:152 Resp: 39509  
 Ion Ratio Lower Upper  
 152 100  
 115 54.4 26.8 80.4  
 150 164.1 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 5.841 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. -0.141 min  
 Lab File: VD074593.D  
 Acq: 20 Oct 2022 13:11

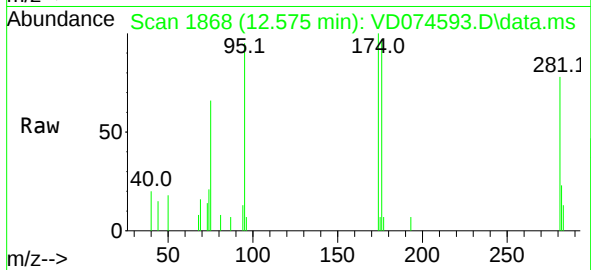
Tgt Ion: 75 Resp: 2015  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 185.8 557.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 14.926 ug/l  
 RT: 12.575 min Scan# 1868  
 Delta R.T. 0.112 min  
 Lab File: VD074593.D  
 Acq: 20 Oct 2022 13:11

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-10



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2015  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 0.0   | 63.8  | 95.6# |
| 89       | 0.0   | 38.2  | 57.4# |

