

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101322\  
 Data File : VD074532.D  
 Acq On : 13 Oct 2022 17:00  
 Operator : VA/SY  
 Sample : N5142-01  
 Misc : 6.35G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-1

Quant Time: Oct 14 01:32:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

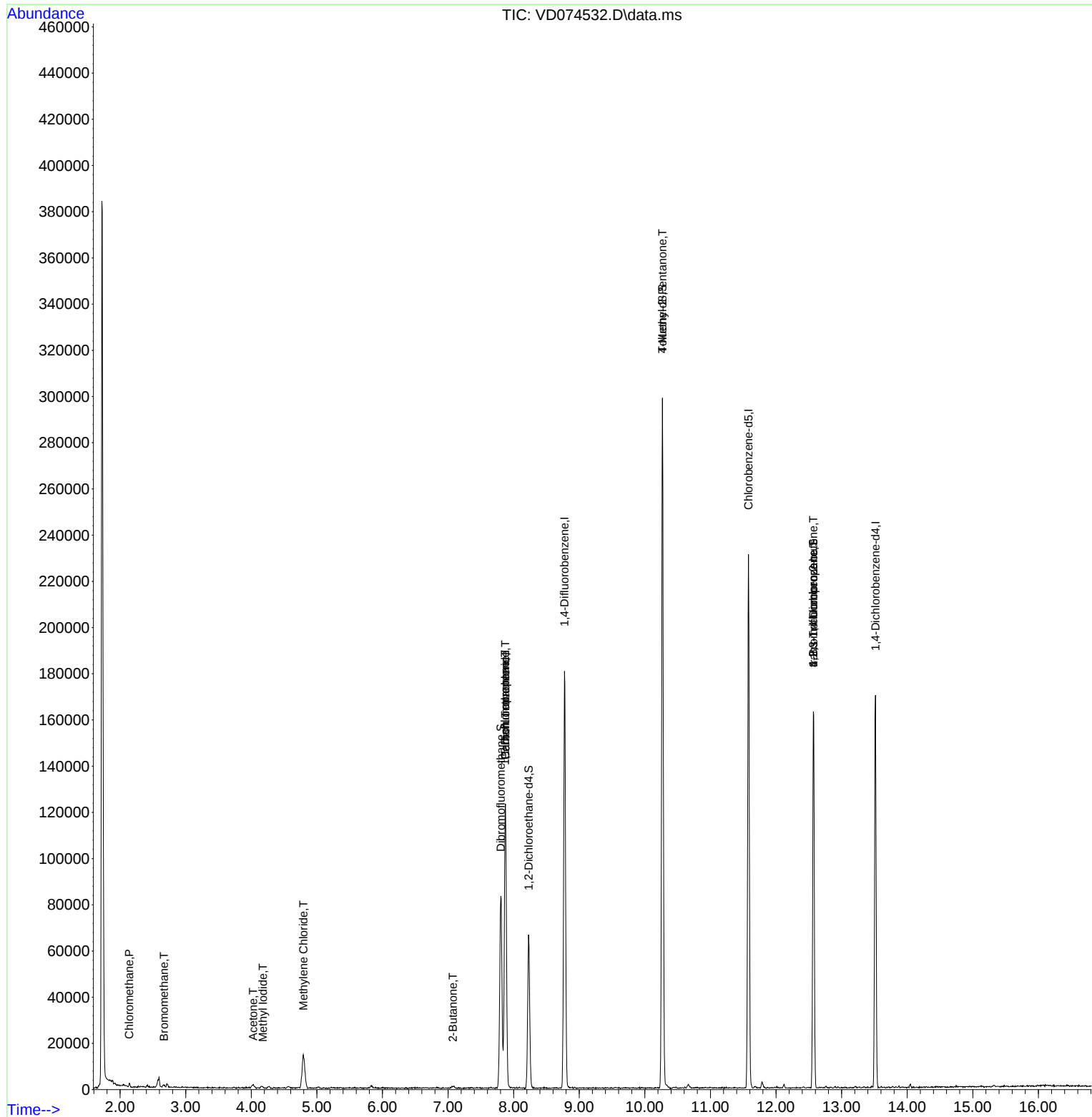
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.875     | 168   | 101905   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775     | 114   | 172730   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581    | 117   | 142863   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 48774    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228     | 65    | 49093    | 55.969    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 111.940% |
| 35) Dibromofluoromethane      | 7.804     | 113   | 61532    | 59.672    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 119.340% |
| 50) Toluene-d8                | 10.269    | 98    | 213394   | 53.829    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | =      | 107.660% |
| 62) 4-Bromofluorobenzene      | 12.569    | 95    | 52732    | 42.607    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | =      | 85.220%  |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           |        | Qvalue   |
| 3) Chloromethane              | 2.140     | 50    | 1364     | 1.112     | ug/l # | 82       |
| 5) Bromomethane               | 2.669     | 94    | 987      | 1.097     | ug/l # | 74       |
| 10) Methyl Iodide             | 4.175     | 142   | 1352     | 6.000     | ug/l # | 72       |
| 11) Tert butyl alcohol        | 5.034     | 59    | 65       | Below Cal | #      | 84       |
| 16) Acetone                   | 4.028     | 43    | 2574     | 13.604    | ug/l   | 91       |
| 20) Methylene Chloride        | 4.793     | 84    | 12108    | 1.239     | ug/l # | 84       |
| 25) 2-Butanone                | 7.075     | 43    | 352      | 1.348     | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 7.869     | 75    | 7325     | 4.419     | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.875     | 117   | 9584     | 6.253     | ug/l # | 20       |
| 51) 4-Methyl-2-Pentanone      | 10.269    | 43    | 616      | 1.246     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.569    | 75    | 26305    | 63.108    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.569    | 75    | 26305    | 160.079   | ug/l # | 17       |
| -----                         |           |       |          |           |        |          |

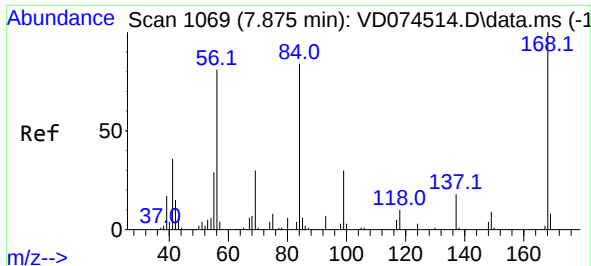
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101322\  
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Operator : VA/SY  
Sample : N5142-01  
Misc : 6.35G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

Quant Time: Oct 14 01:32:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

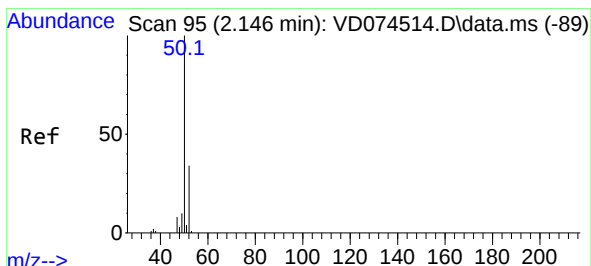
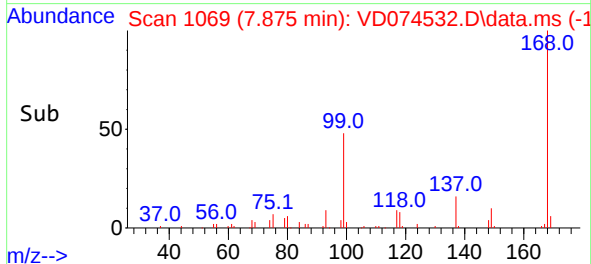
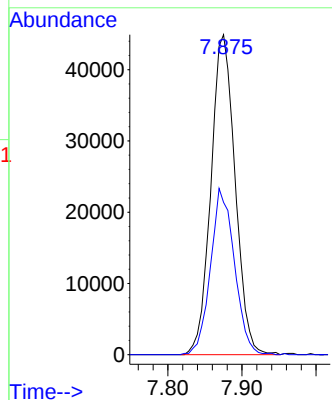
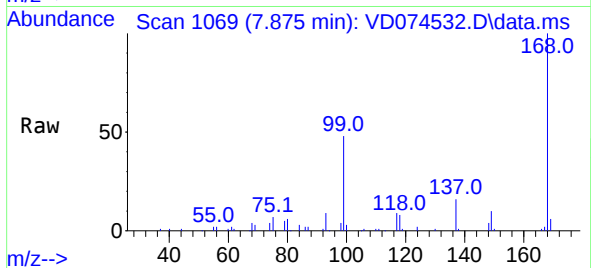




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

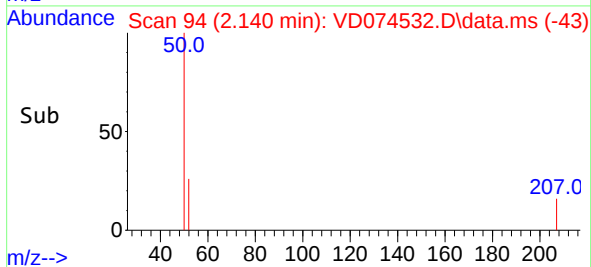
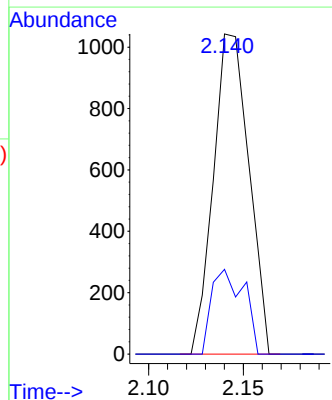
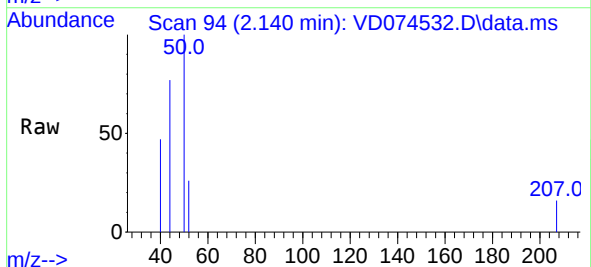
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

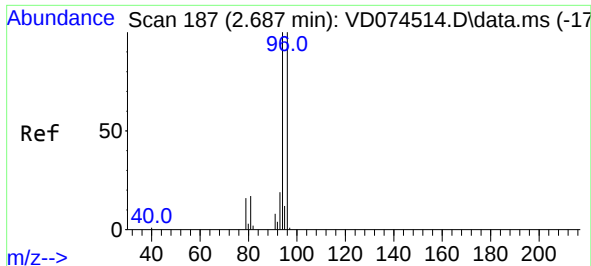
Tgt Ion:168 Resp: 101905  
Ion Ratio Lower Upper  
168 100  
99 47.6 40.9 61.3



#3  
Chloromethane  
Concen: 1.112 ug/l  
RT: 2.140 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 50 Resp: 1364  
Ion Ratio Lower Upper  
50 100  
52 26.5 30.0 45.0#

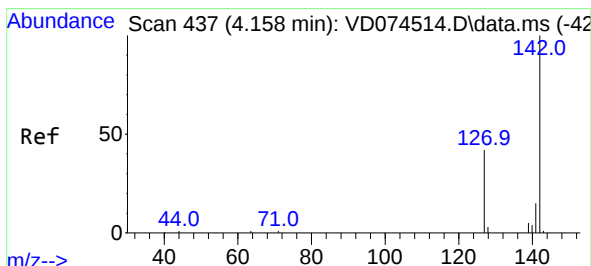
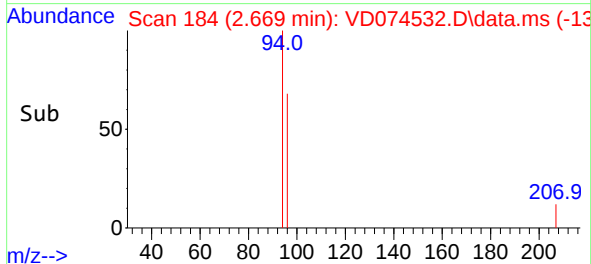
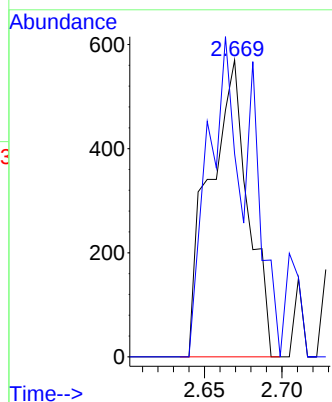
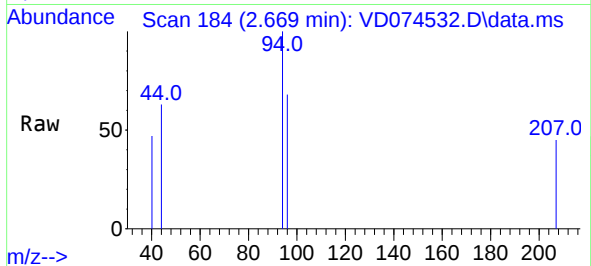




#5  
Bromomethane  
Concen: 1.097 ug/l  
RT: 2.669 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

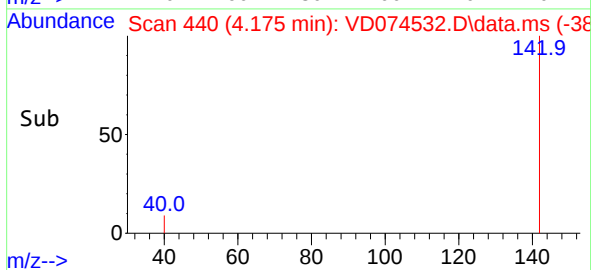
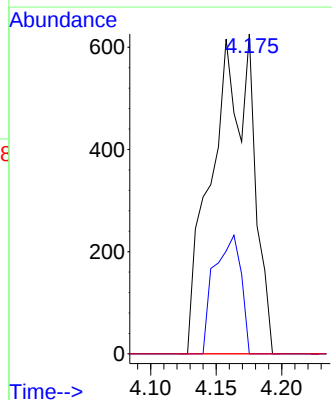
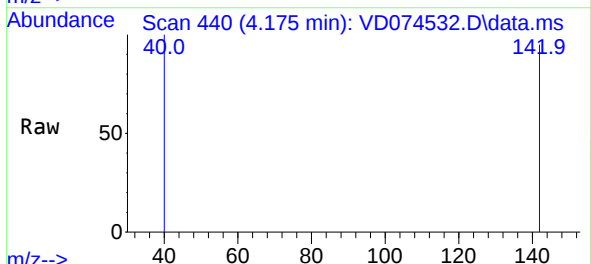
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

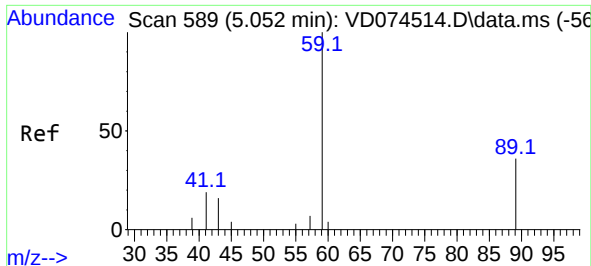
Tgt Ion: 94 Resp: 987  
Ion Ratio Lower Upper  
94 100  
96 68.4 74.6 112.0#



#10  
Methyl Iodide  
Concen: 6.000 ug/l  
RT: 4.175 min Scan# 440  
Delta R.T. 0.017 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion:142 Resp: 1352  
Ion Ratio Lower Upper  
142 100  
127 24.4 31.9 47.9#  
141 0.0 11.4 17.2#

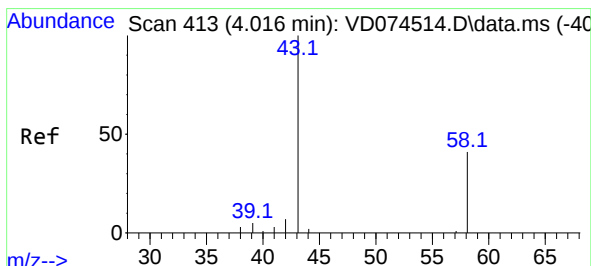
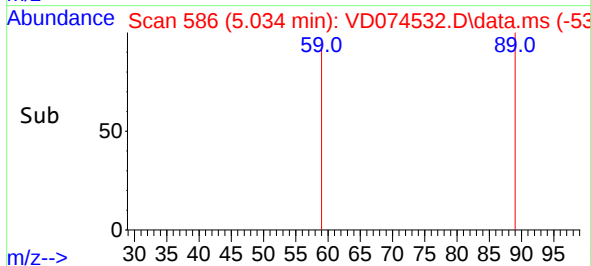
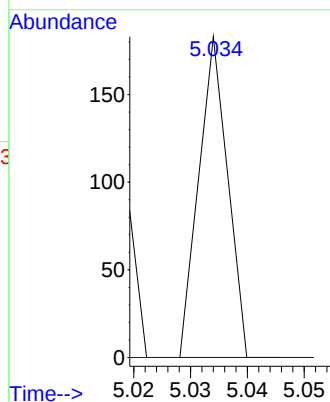
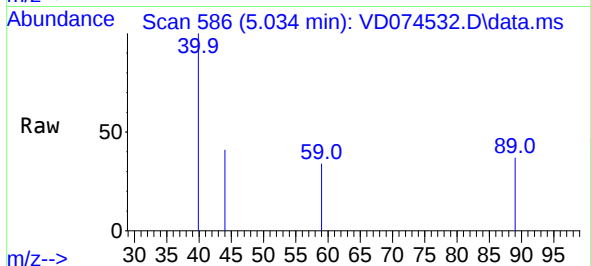




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.034 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

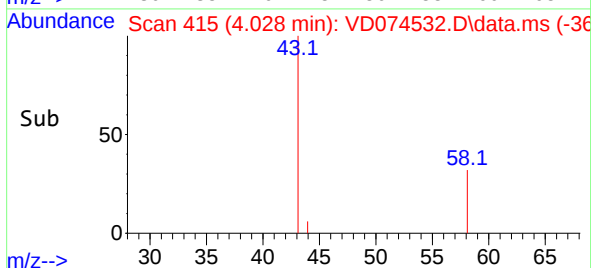
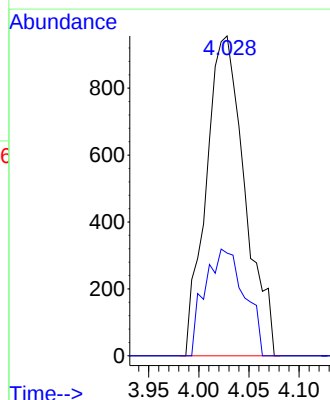
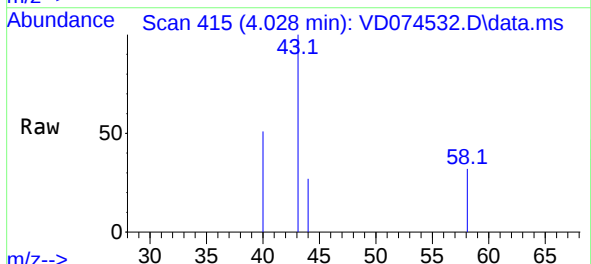
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

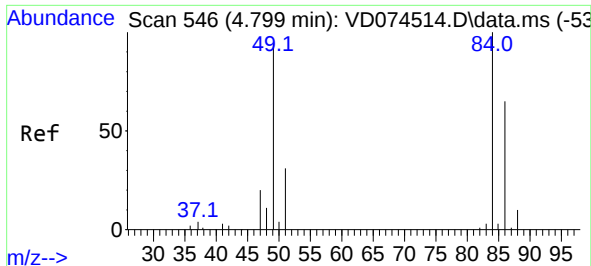
Tgt Ion: 59 Resp: 65  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.4 6.6#



#16  
Acetone  
Concen: 13.604 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 43 Resp: 2574  
Ion Ratio Lower Upper  
43 100  
58 32.1 30.2 45.2



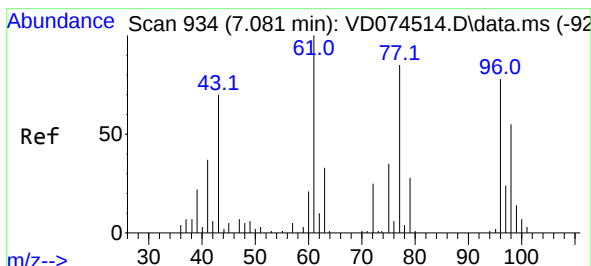
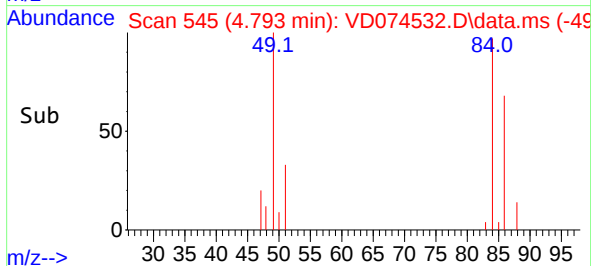
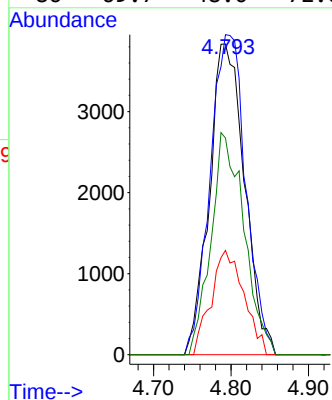
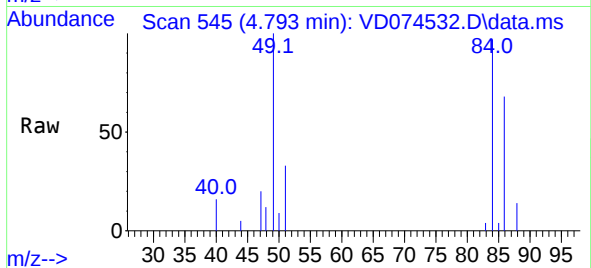


#20  
Methylene Chloride  
Concen: 1.239 ug/l  
RT: 4.793 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

Tgt Ion: 84 Resp: 12108

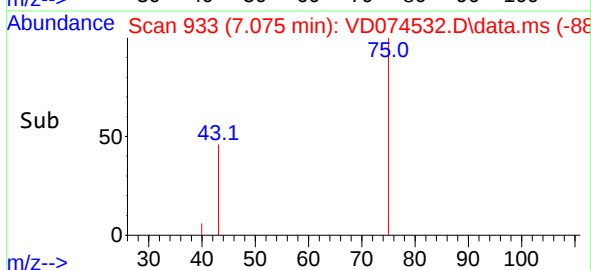
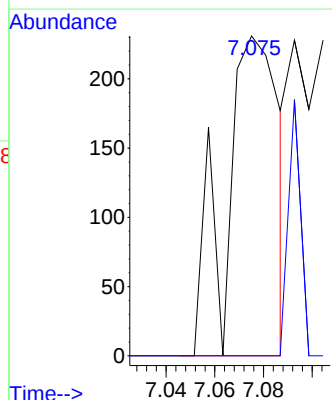
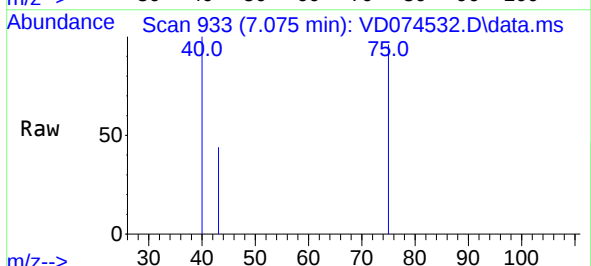
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 103.0 | 68.0  | 102.0# |
| 51  | 33.6  | 23.2  | 34.8   |
| 86  | 69.7  | 48.0  | 72.0   |

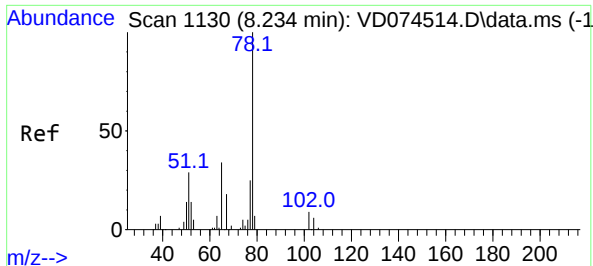


#25  
2-Butanone  
Concen: 1.348 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 43 Resp: 352

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





#33

1,2-Dichloroethane-d4

Concen: 55.969 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074532.D

Acq: 13 Oct 2022 17:00

Instrument :

MSVOA\_D

ClientSampleId :

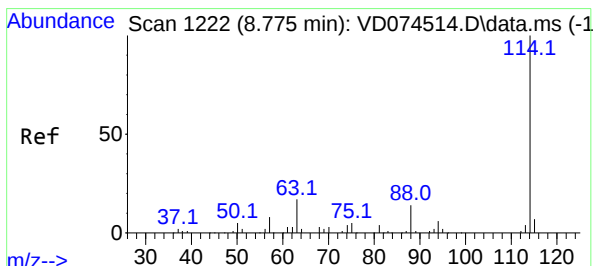
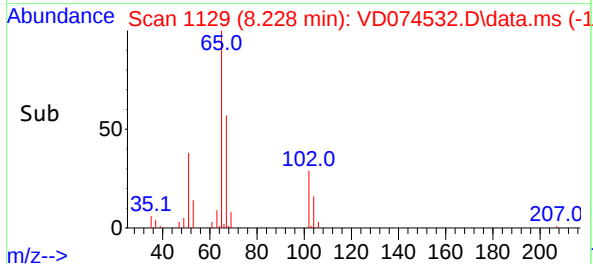
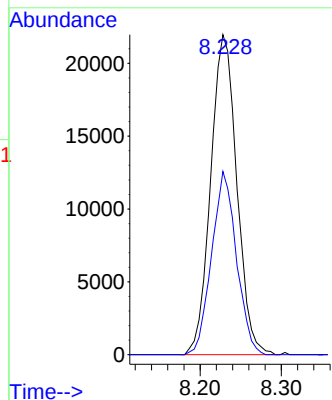
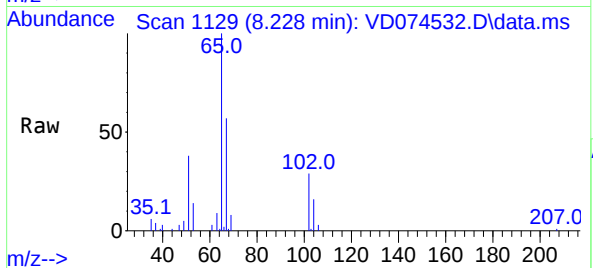
WC-1

Tgt Ion: 65 Resp: 49093

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074532.D

Acq: 13 Oct 2022 17:00

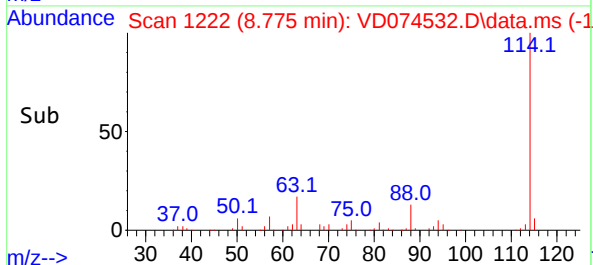
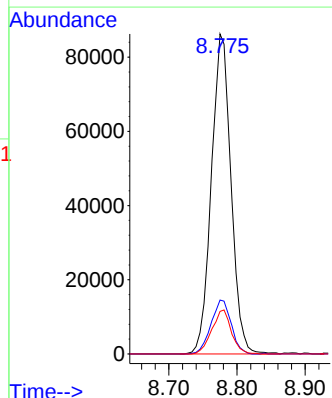
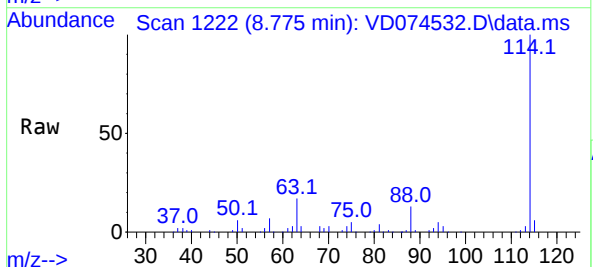
Tgt Ion: 114 Resp: 172730

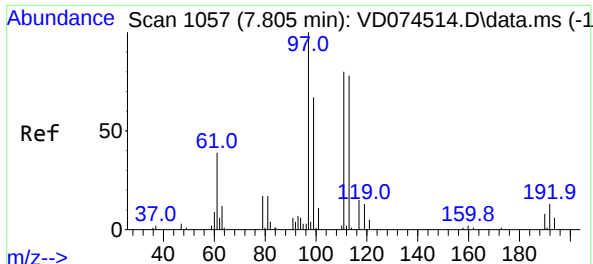
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.2

88 13.3 0.0 28.2



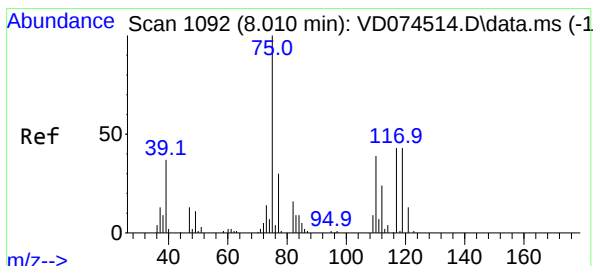
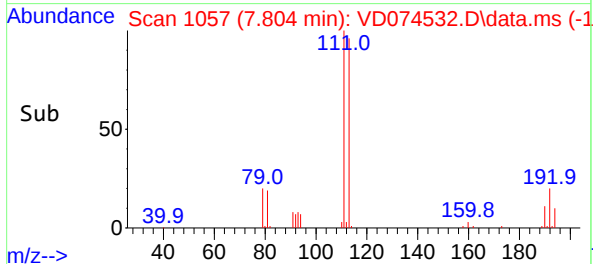
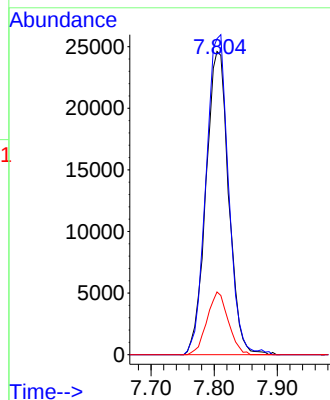
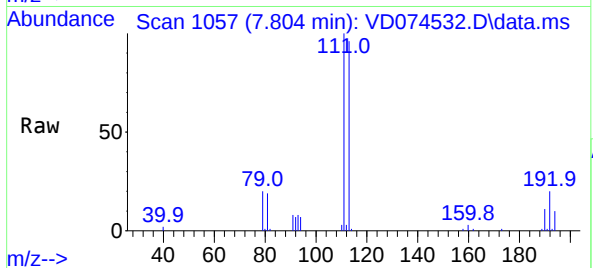


#35  
Dibromofluoromethane  
Concen: 59.672 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

Tgt Ion: 113 Resp: 61532

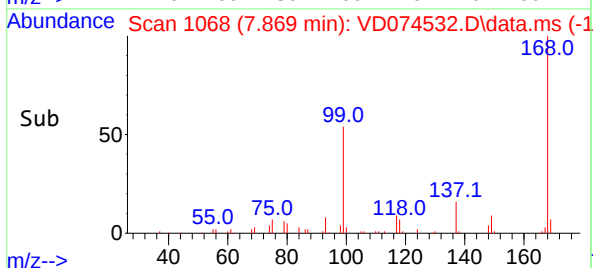
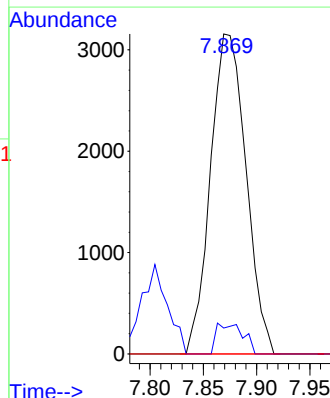
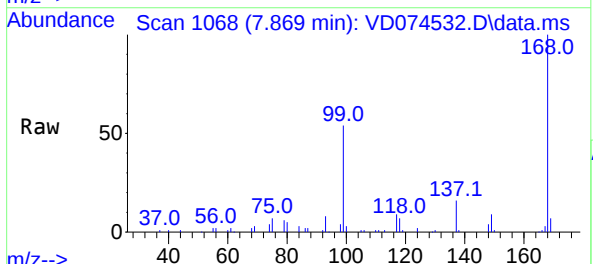
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.4 | 82.3  | 123.5 |
| 192 | 19.3  | 16.4  | 24.6  |

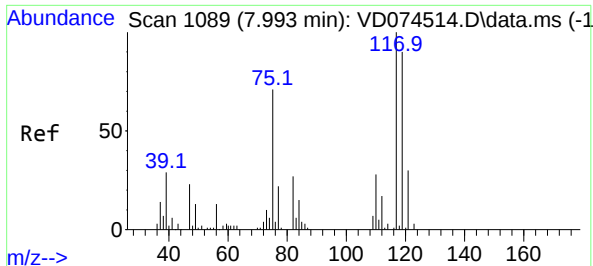


#36  
1,1-Dichloropropene  
Concen: 4.419 ug/l  
RT: 7.869 min Scan# 1068  
Delta R.T. -0.135 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 75 Resp: 7325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 7.1   | 19.7  | 59.0# |
| 77  | 0.0   | 25.4  | 38.2# |

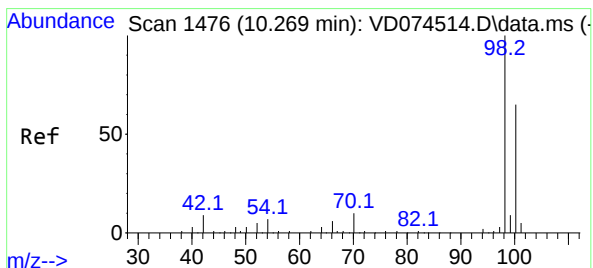
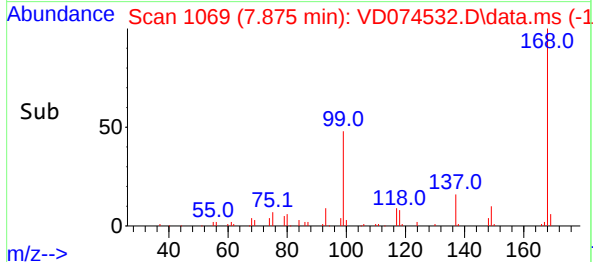
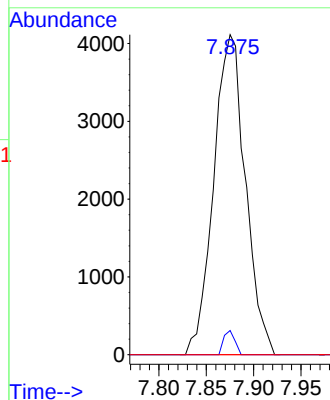
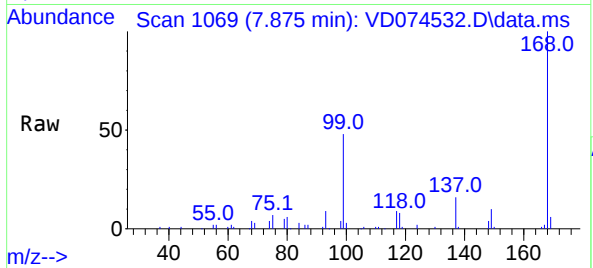




#38  
Carbon Tetrachloride  
Concen: 6.253 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

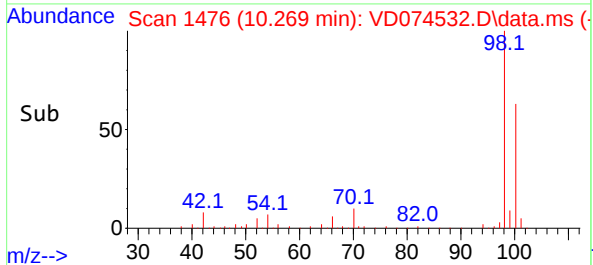
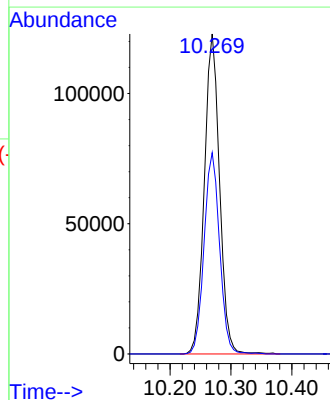
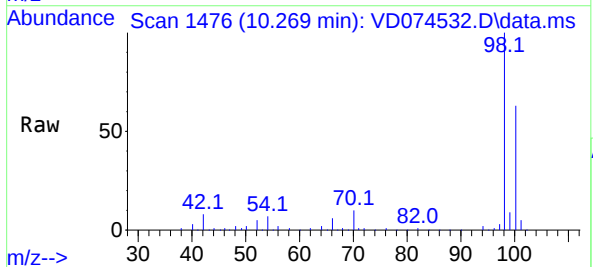
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

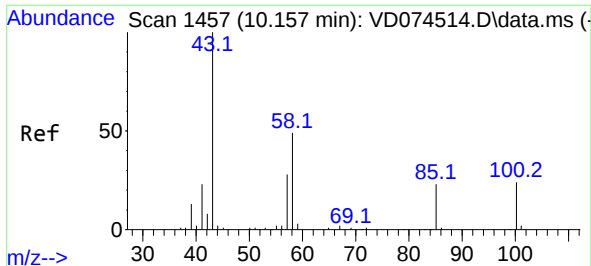
Tgt Ion:117 Resp: 9584  
Ion Ratio Lower Upper  
117 100  
119 7.6 73.1 109.7#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 53.829 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 98 Resp: 213394  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.246 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074532.D

Acq: 13 Oct 2022 17:00

Instrument :

MSVOA\_D

ClientSampleId :

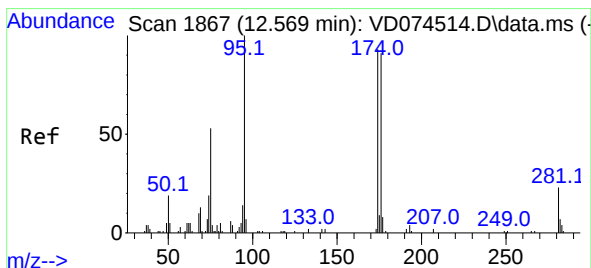
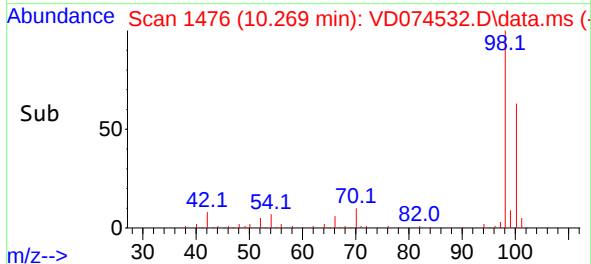
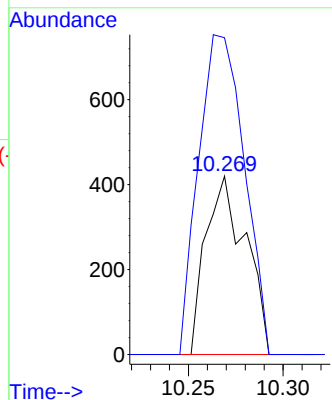
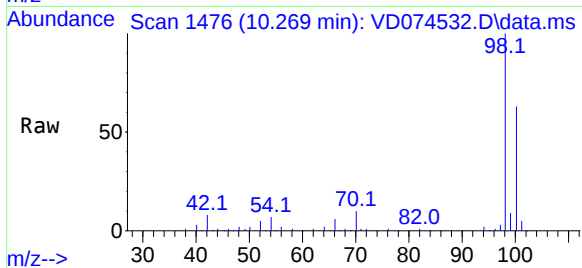
WC-1

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

58 205.8 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 42.607 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VD074532.D

Acq: 13 Oct 2022 17:00

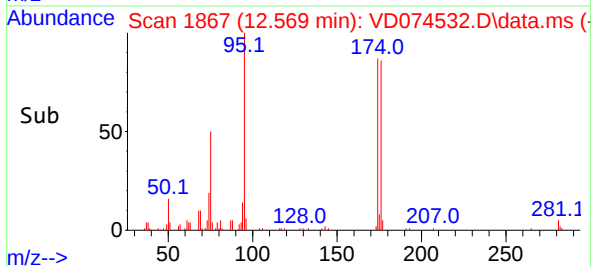
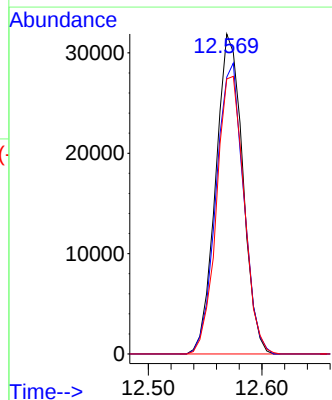
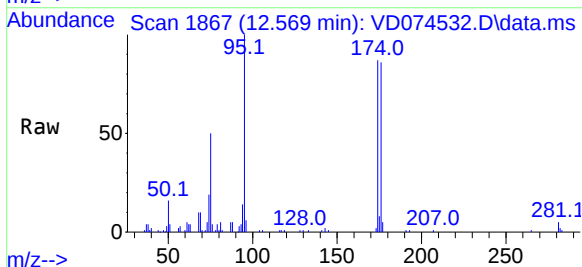
Tgt Ion: 95 Resp: 52732

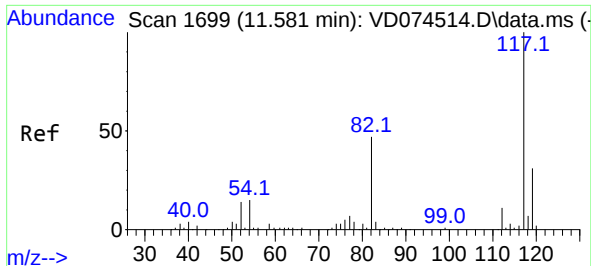
Ion Ratio Lower Upper

95 100

174 92.0 0.0 197.0

176 88.3 0.0 182.6

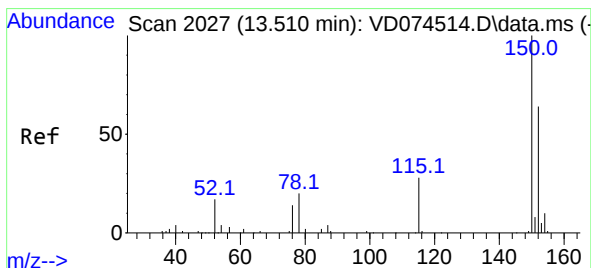
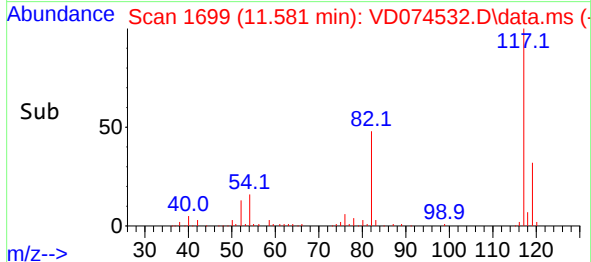
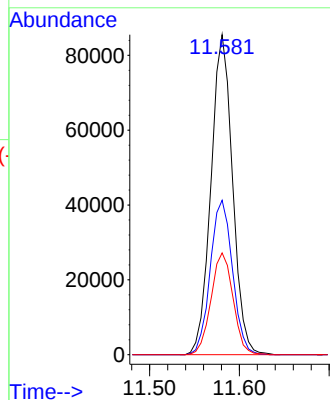
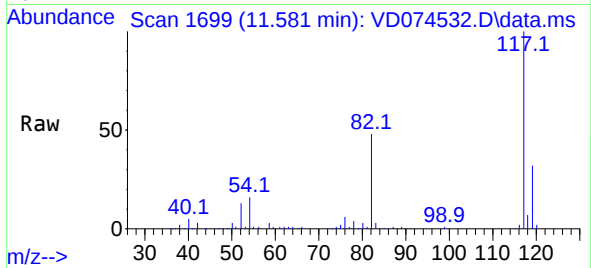




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

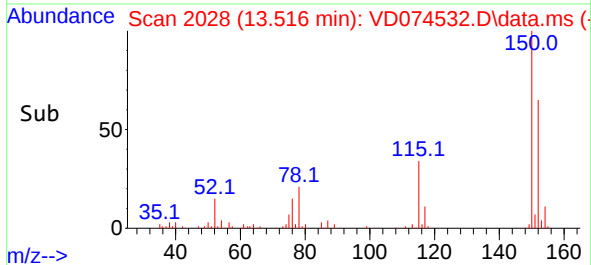
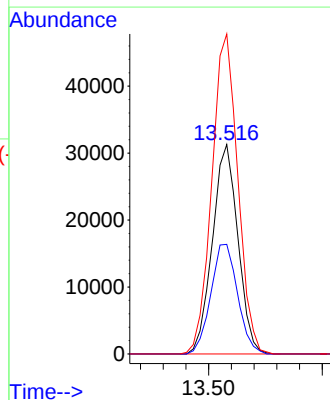
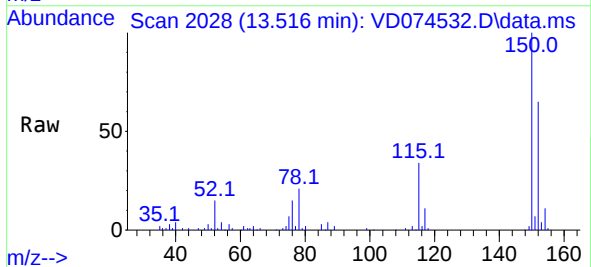
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

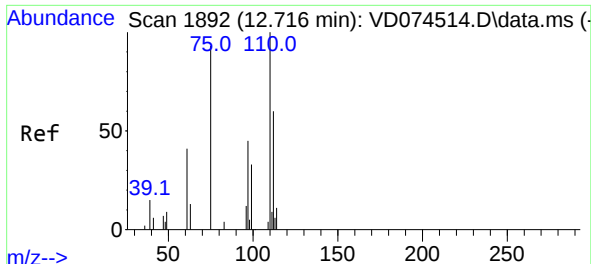
Tgt Ion:117 Resp: 142863  
Ion Ratio Lower Upper  
117 100  
82 48.3 41.6 62.4  
119 31.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion:152 Resp: 48774  
Ion Ratio Lower Upper  
152 100  
115 55.1 26.8 80.4  
150 155.4 0.0 348.2

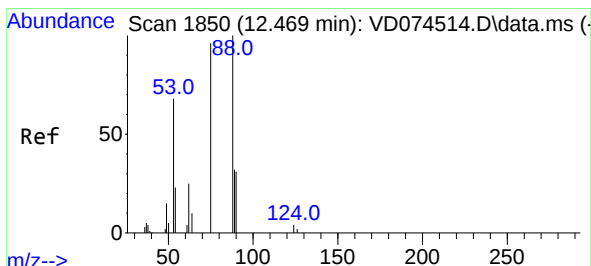
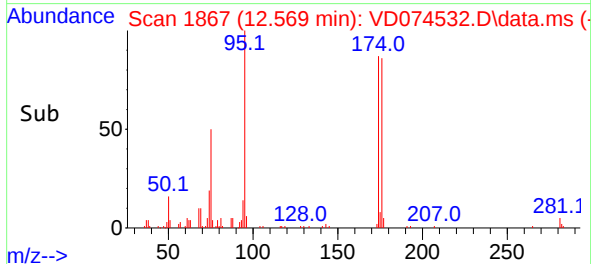
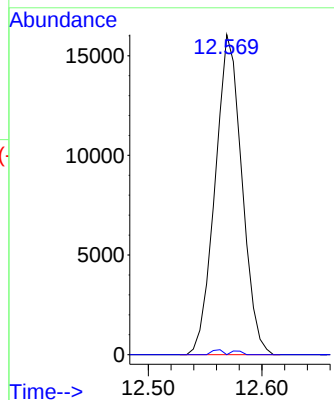
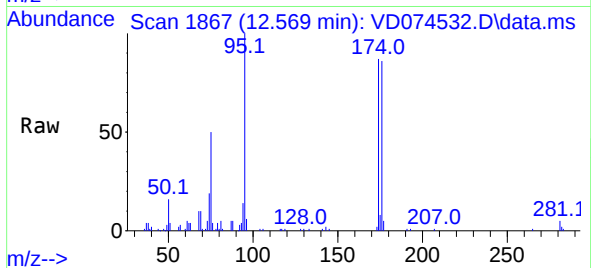




#76  
1,2,3-Trichloropropane  
Concen: 63.108 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.147 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-1

Tgt Ion: 75 Resp: 26305  
Ion Ratio Lower Upper  
75 100  
77 0.5 185.8 557.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 160.079 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.106 min  
Lab File: VD074532.D  
Acq: 13 Oct 2022 17:00

Tgt Ion: 75 Resp: 26305  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

