

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092721\  
 Data File : VU044916.D  
 Acq On : 28 Sep 2021 03:04  
 Operator : SY/MD  
 Sample : M3829-07DL 50X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RE108D2-20210917DL

Quant Time: Sep 28 06:31:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 09:30:46 2021  
 Response via : Initial Calibration

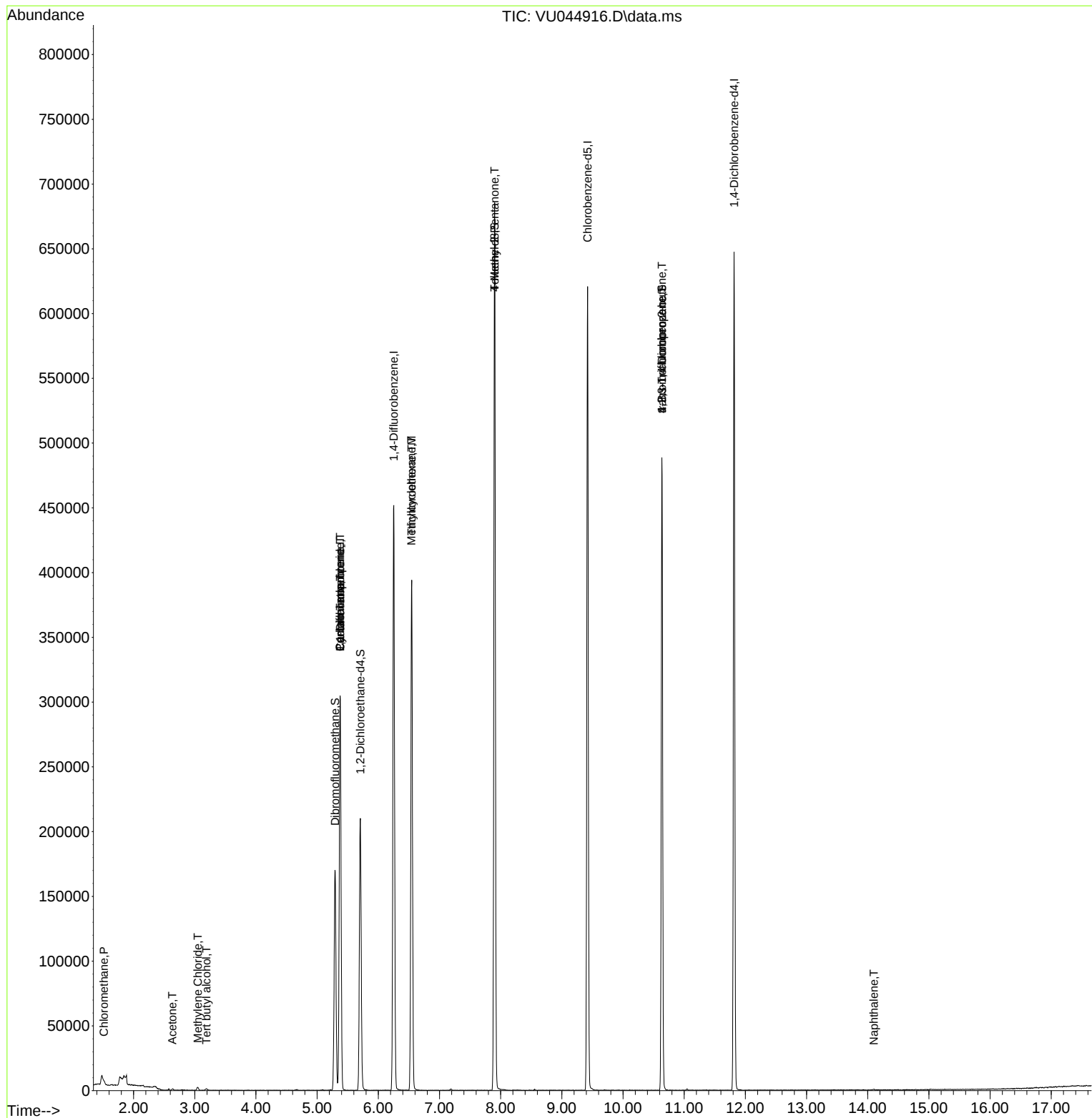
| Compound                      | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|---------|----------|
| -----                         |        |      |          |           |         |          |
| Internal Standards            |        |      |          |           |         |          |
| 1) Pentafluorobenzene         | 5.375  | 168  | 198574   | 50.000    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.253  | 114  | 353765   | 50.000    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 9.420  | 117  | 319235   | 50.000    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 11.815 | 152  | 153811   | 50.000    | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 5.706  | 65   | 158945   | 45.863    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 91.720% |          |
| 35) Dibromofluoromethane      | 5.292  | 113  | 108394   | 44.664    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 89.320% |          |
| 50) Toluene-d8                | 7.902  | 98   | 439748   | 47.977    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 95.960% |          |
| 62) 4-Bromofluorobenzene      | 10.635 | 95   | 160295   | 47.085    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 94.160% |          |
| Target Compounds              |        |      |          |           |         |          |
|                               |        |      |          |           | Qvalue  |          |
| 3) Chloromethane              | 1.517  | 50   | 764      | 0.212     | ug/l    | 99       |
| 5) Bromomethane               | 1.845  | 94   | 547      | Below Cal |         | 86       |
| 6) Chloroethane               | 1.922  | 64   | 100      | Below Cal | #       | 42       |
| 11) Tert butyl alcohol        | 3.189  | 59   | 743      | 0.735     | ug/l #  | 72       |
| 16) Acetone                   | 2.633  | 43   | 920      | 0.471     | ug/l #  | 87       |
| 20) Methylene Chloride        | 3.047  | 84   | 1300     | 0.411     | ug/l #  | 80       |
| 31) Cyclohexane               | 5.375  | 56   | 5106     | 1.026     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 5.375  | 75   | 18498    | 4.928     | ug/l #  | 50       |
| 38) Carbon Tetrachloride      | 5.375  | 117  | 21295    | 6.346     | ug/l #  | 15       |
| 39) Methylcyclohexane         | 6.542  | 83   | 1655     | 0.390     | ug/l #  | 1        |
| 44) Trichloroethene           | 6.546  | 130  | 126053   | 45.831    | ug/l    | 100      |
| 51) 4-Methyl-2-Pentanone      | 7.902  | 43   | 1945     | 0.354     | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane    | 10.635 | 75   | 87859    | 18.863    | ug/l #  | 41       |
| 81) trans-1,4-Dichloro-2-b... | 10.635 | 75   | 87859    | 61.107    | ug/l #  | 9        |
| 95) Naphthalene               | 14.102 | 128  | 681      | 1.000     | ug/l #  | 69       |
| -----                         |        |      |          |           |         |          |

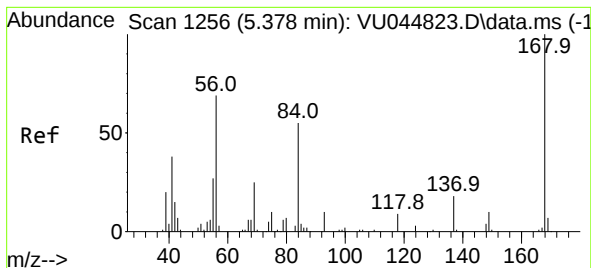
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092721\  
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ClientSampleId :  
RE108D2-20210917DL

Quant Time: Sep 28 06:31:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 25 09:30:46 2021  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.003 min

Lab File: VU044916.D

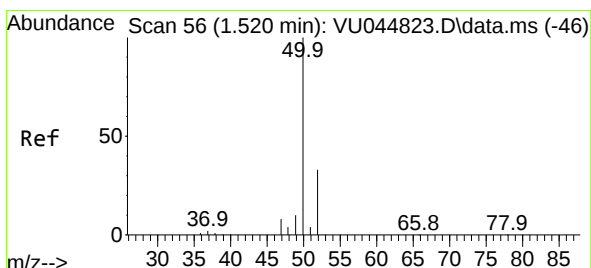
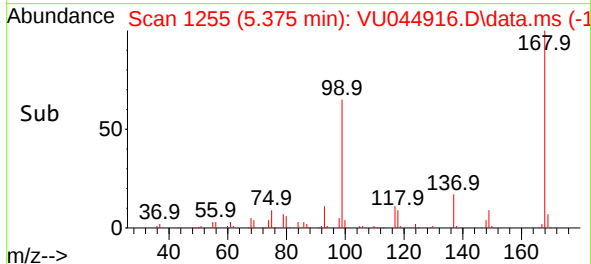
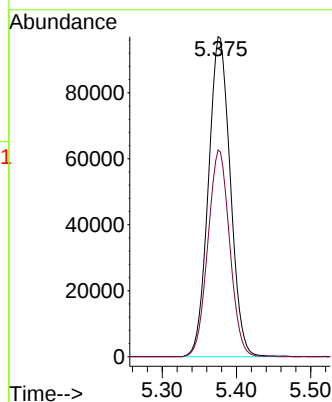
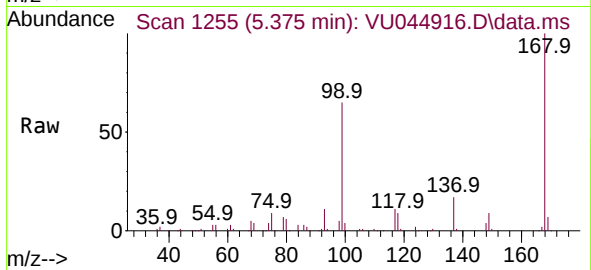
Acq: 28 Sep 2021 03:04

Tgt Ion:168 Resp: 198574

Ion Ratio Lower Upper

168 100

99 64.6 51.4 77.0



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.517 min Scan# 55

Delta R.T. -0.003 min

Lab File: VU044916.D

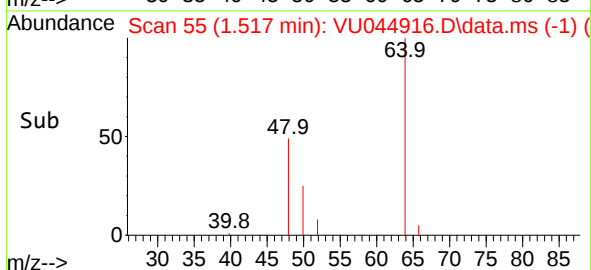
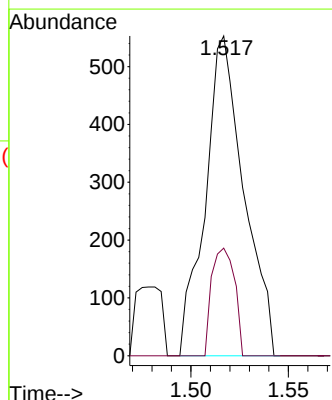
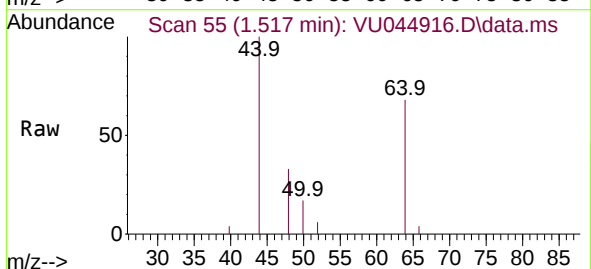
Acq: 28 Sep 2021 03:04

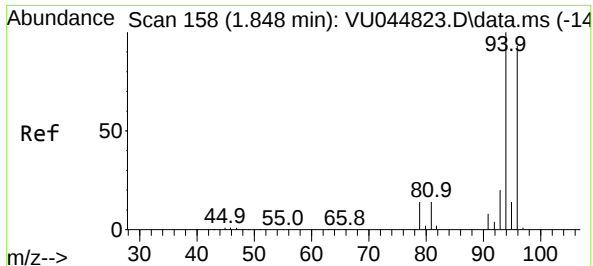
Tgt Ion: 50 Resp: 764

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5

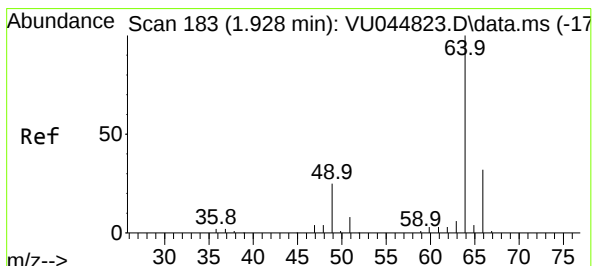
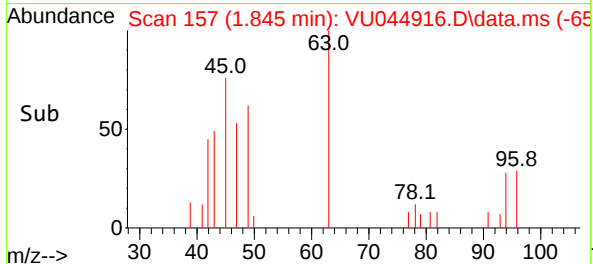
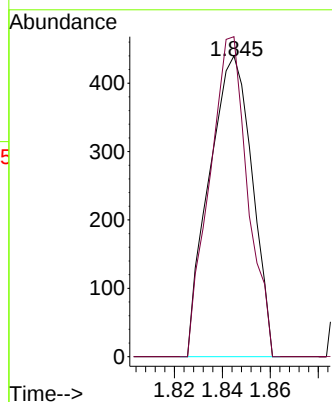
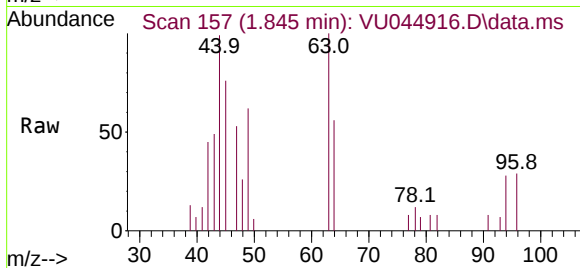




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.845 min Scan# 157  
Delta R.T. -0.003 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

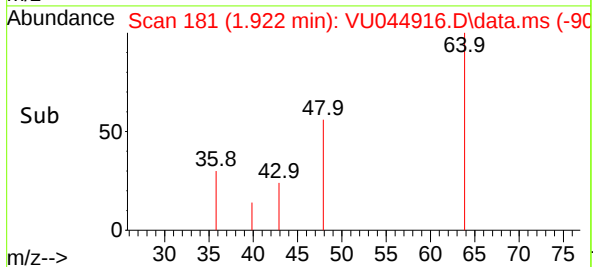
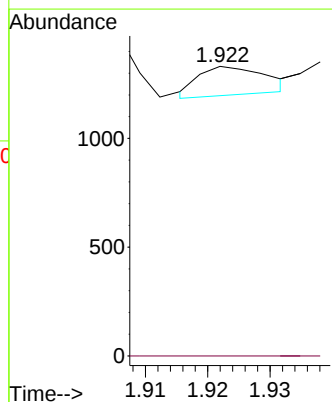
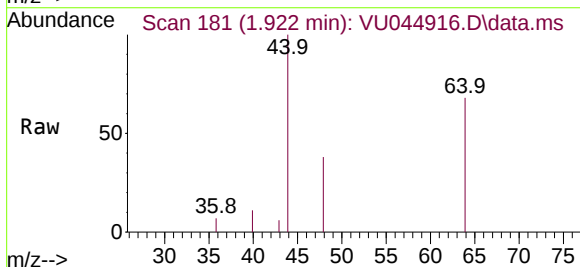
Instrument :  
MSVOA\_U  
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RE108D2-20210917DL

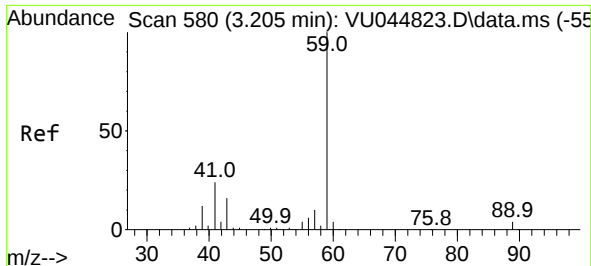
Tgt Ion: 94 Resp: 547  
Ion Ratio Lower Upper  
94 100  
96 106.4 74.5 111.7



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.922 min Scan# 181  
Delta R.T. -0.006 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion: 64 Resp: 100  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.8 38.8#

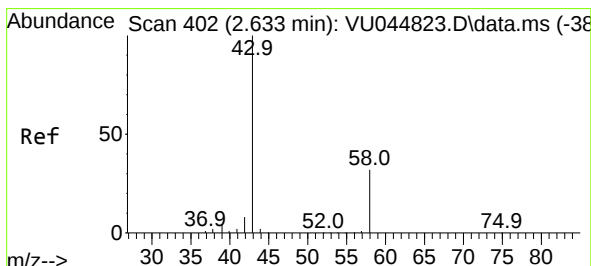
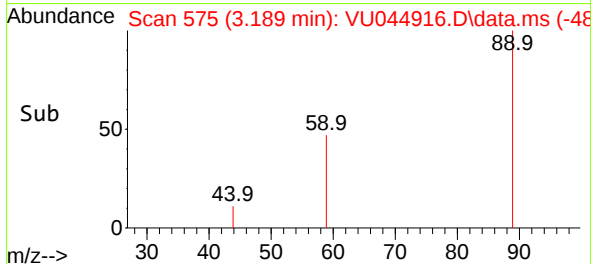
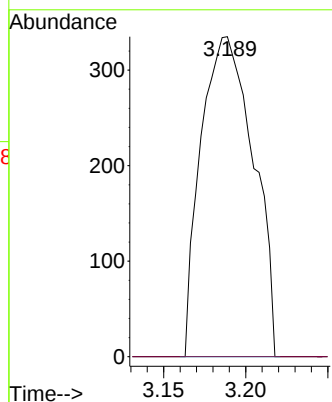
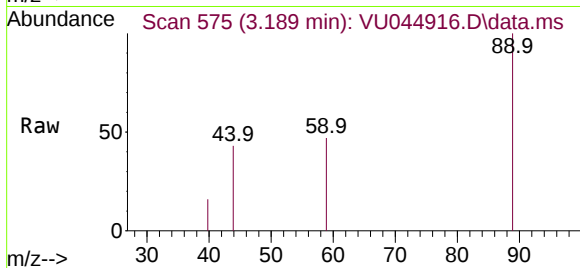




#11  
Tert butyl alcohol  
Concen: 0.735 ug/l  
RT: 3.189 min Scan# 575  
Delta R.T. -0.016 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

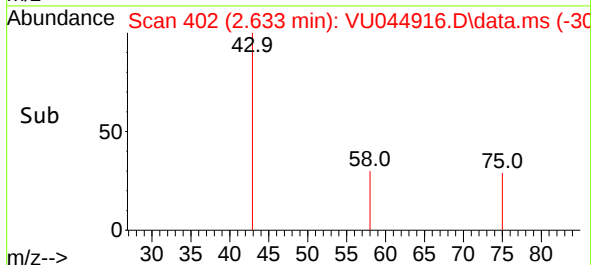
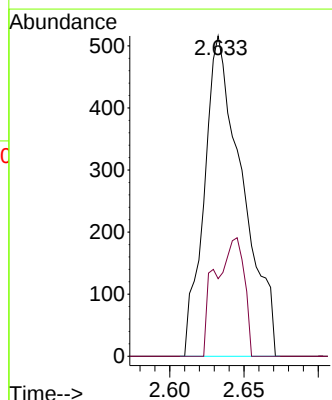
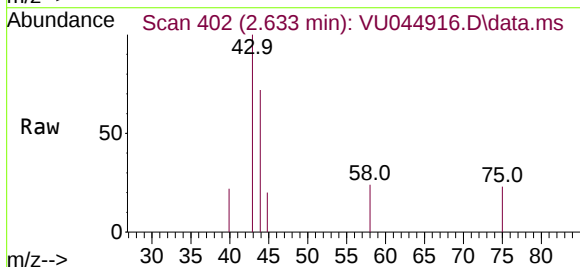
Instrument :  
MSVOA\_U  
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RE108D2-20210917DL

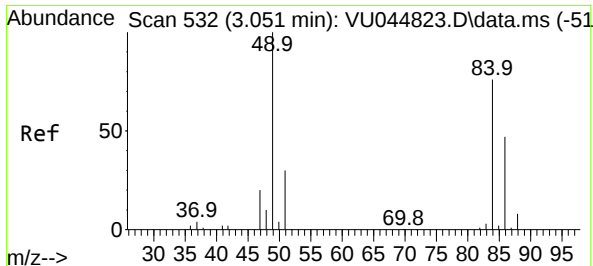
Tgt Ion: 59 Resp: 743  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#16  
Acetone  
Concen: 0.471 ug/l  
RT: 2.633 min Scan# 402  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

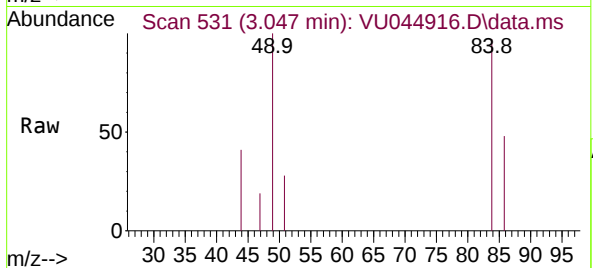
Tgt Ion: 43 Resp: 920  
Ion Ratio Lower Upper  
43 100  
58 24.2 25.2 37.8#



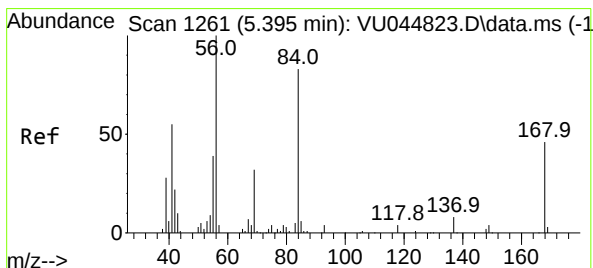
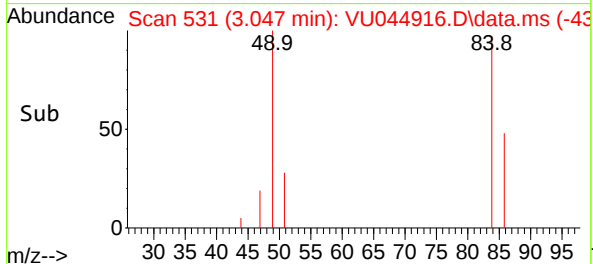
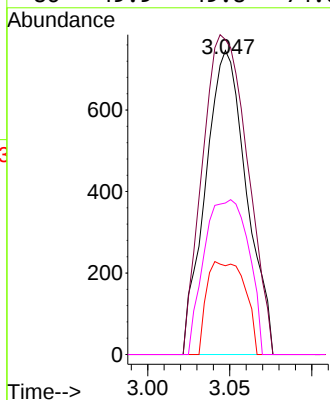


#20  
Methylene Chloride  
Concen: 0.411 ug/l  
RT: 3.047 min Scan# 531  
Delta R.T. -0.003 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
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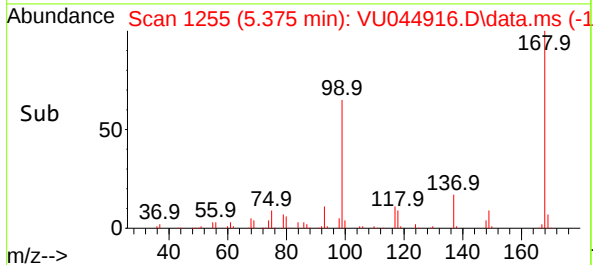
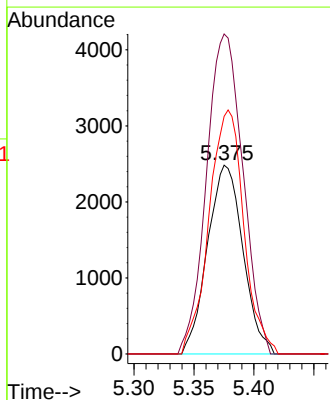
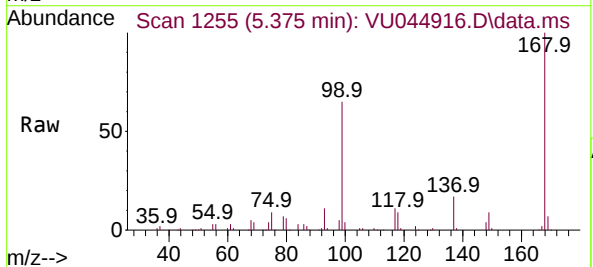


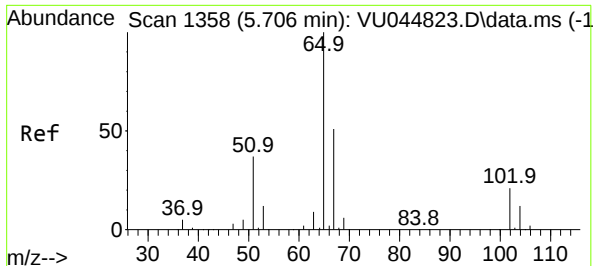
| Tgt Ion: | 84    | Resp: | 1300   |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 103.6 | 104.9 | 157.3# |
| 51       | 29.2  | 31.8  | 47.8#  |
| 86       | 49.9  | 49.8  | 74.6   |



#31  
Cyclohexane  
Concen: 1.026 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.019 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

| Tgt Ion: | 56    | Resp: | 5106  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 169.4 | 25.2  | 37.8# |
| 84       | 125.8 | 66.4  | 99.6# |



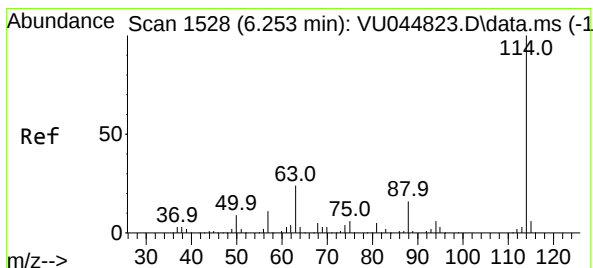
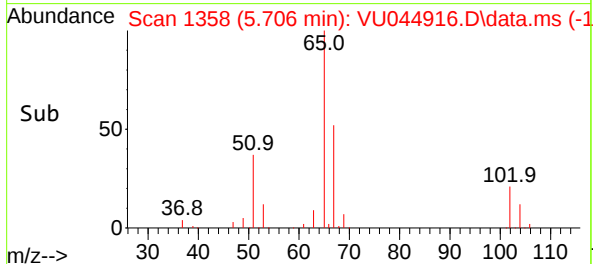
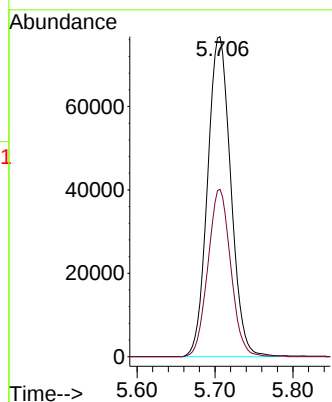
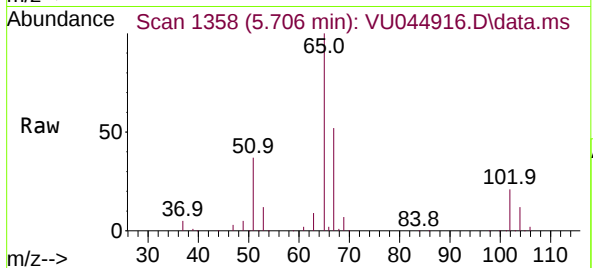


#33

1,2-Dichloroethane-d4  
Concen: 45.863 ug/l  
RT: 5.706 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

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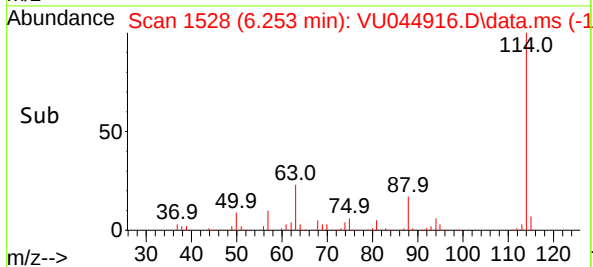
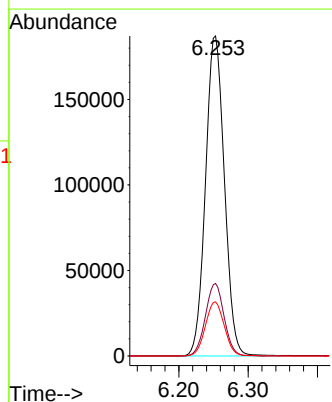
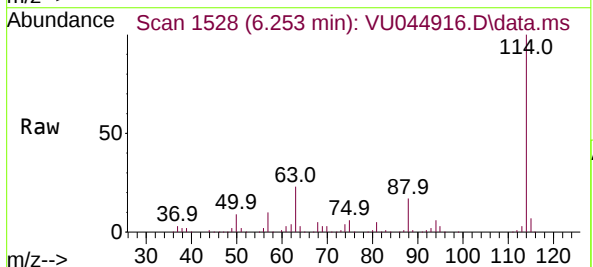
Tgt Ion: 65 Resp: 158945  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 104.8

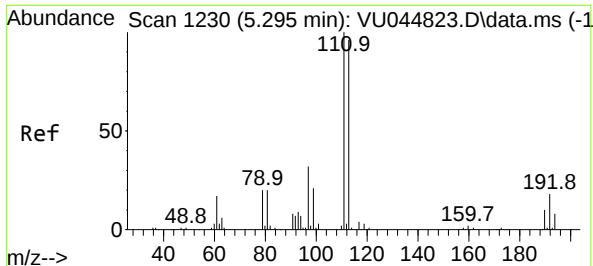


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.253 min Scan# 1528  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion: 114 Resp: 353765  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 47.8  
88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.664 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.003 min

Lab File: VU044916.D

Acq: 28 Sep 2021 03:04

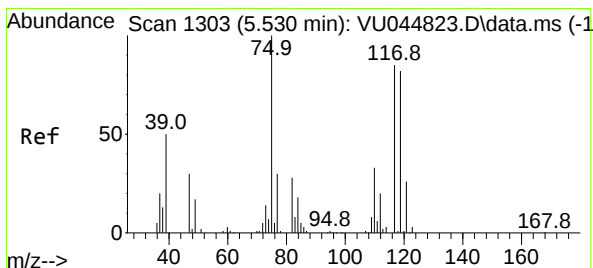
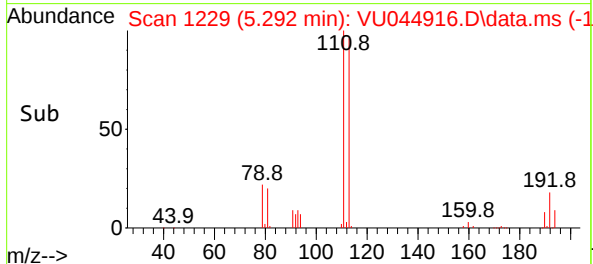
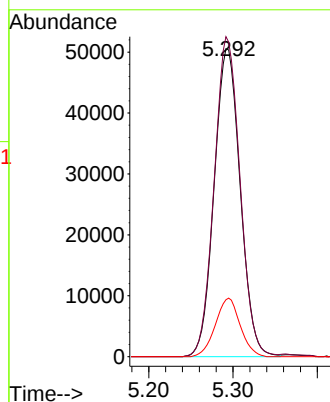
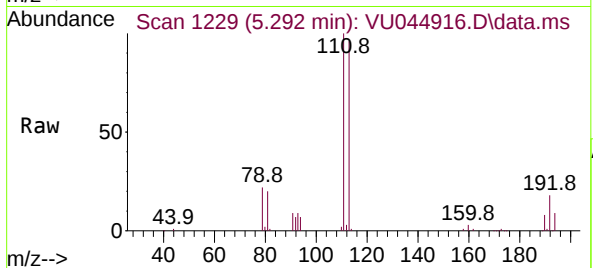
Instrument :

MSVOA\_U

ClientSampleId :

RE108D2-20210917DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 108394 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.0 | 84.1  | 126.1  |
| 192      | 18.1  | 14.8  | 22.2   |



#36

1,1-Dichloropropene

Concen: 4.928 ug/l

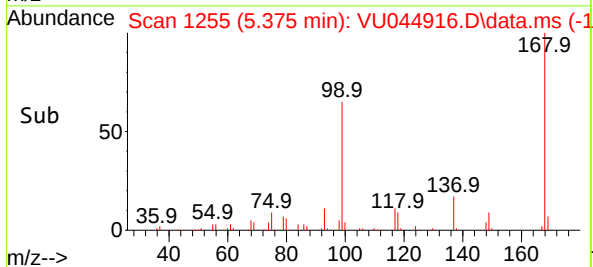
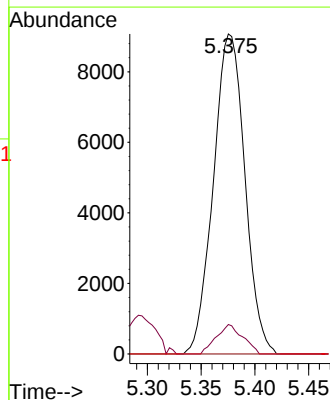
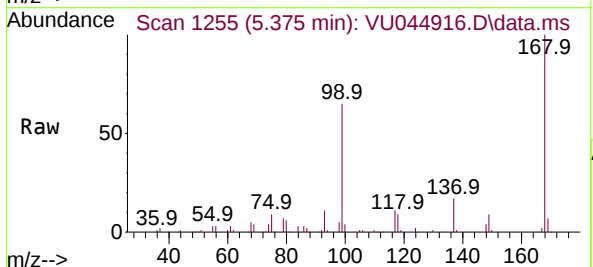
RT: 5.375 min Scan# 1255

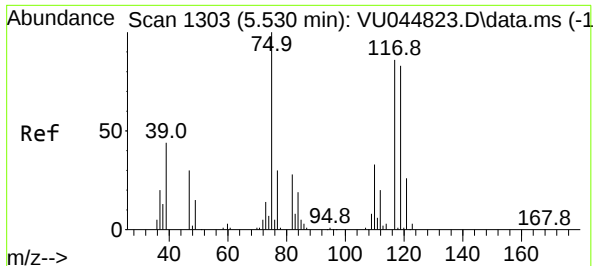
Delta R.T. -0.154 min

Lab File: VU044916.D

Acq: 28 Sep 2021 03:04

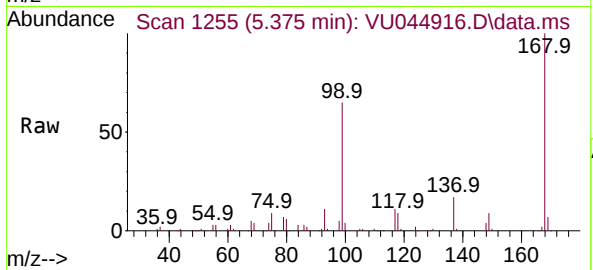
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18498 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.7   | 16.3  | 48.9# |
| 77       | 0.0   | 25.0  | 37.4# |



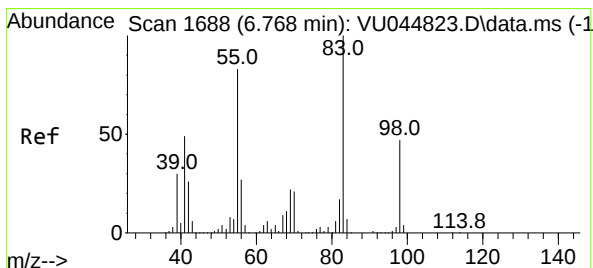
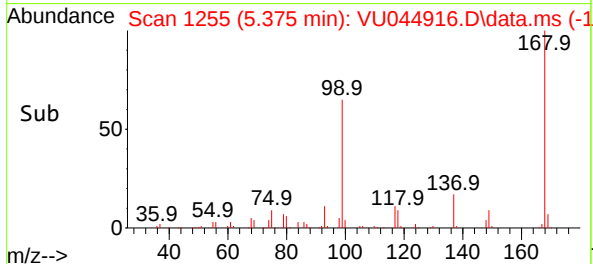
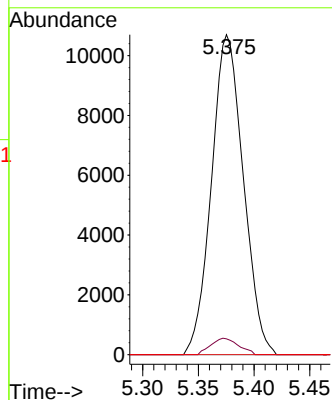


#38  
Carbon Tetrachloride  
Concen: 6.346 ug/l  
RT: 5.375 min Scan# 1255  
Delta R.T. -0.154 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
RE108D2-20210917DL

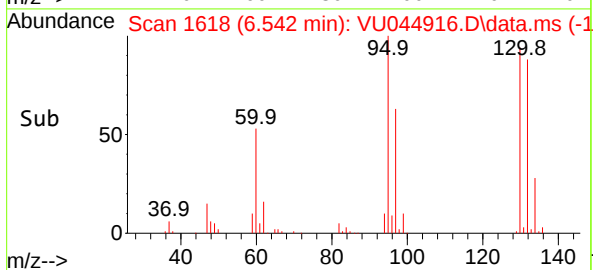
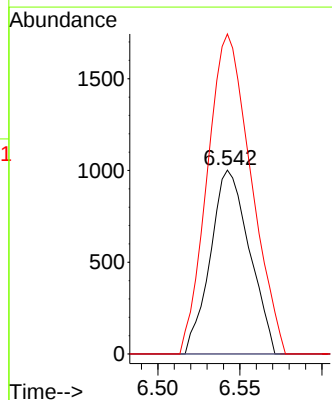
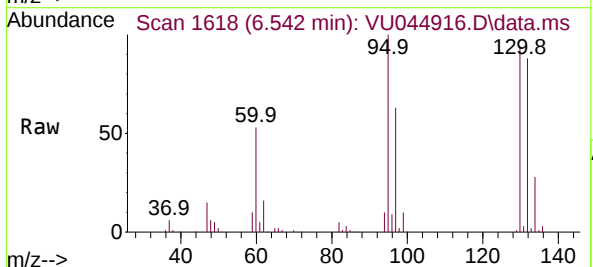


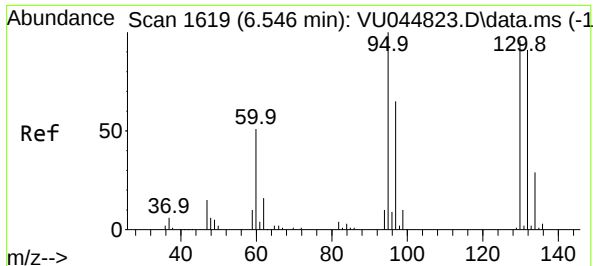
Tgt Ion: 117 Resp: 21295  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.4 116.2#  
121 0.0 24.5 36.7#



#39  
Methylcyclohexane  
Concen: 0.390 ug/l  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.225 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion: 83 Resp: 1655  
Ion Ratio Lower Upper  
83 100  
55 0.0 66.2 99.4#  
98 174.1 37.5 56.3#

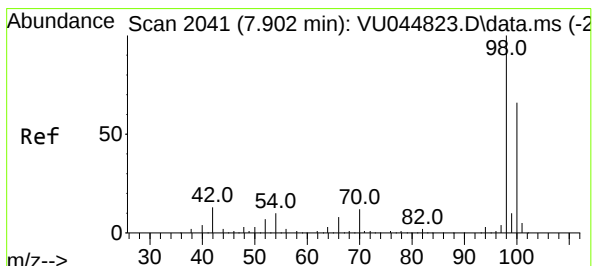
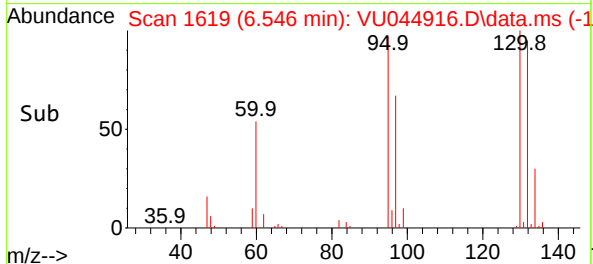
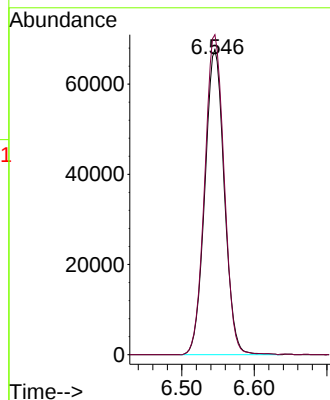
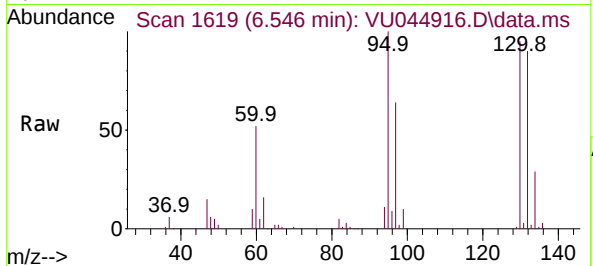




#44  
Trichloroethene  
Concen: 45.831 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

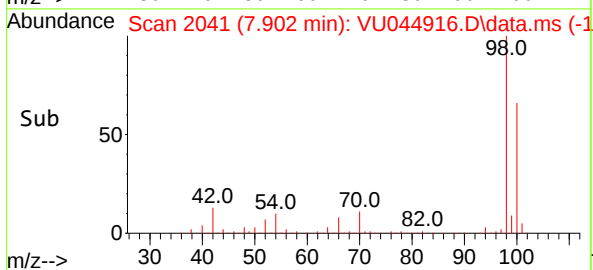
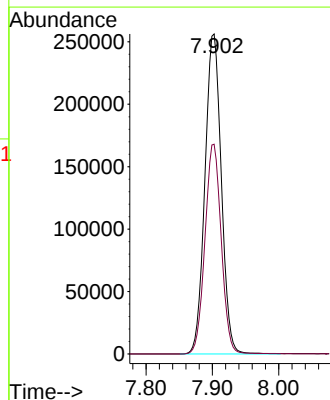
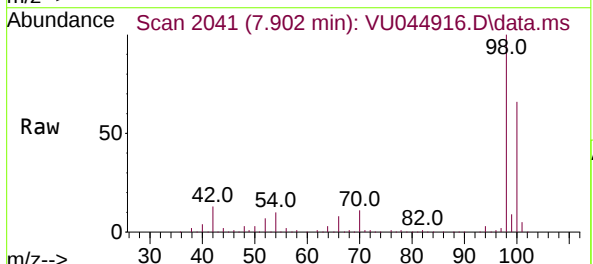
Instrument :  
MSVOA\_U  
ClientSampleId :  
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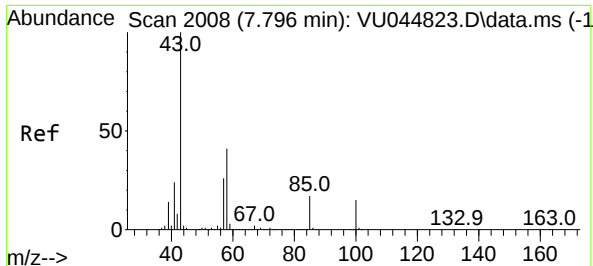
Tgt Ion:130 Resp: 126053  
Ion Ratio Lower Upper  
130 100  
95 104.9 0.0 209.0



#50  
Toluene-d8  
Concen: 47.977 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion: 98 Resp: 439748  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.5 78.7

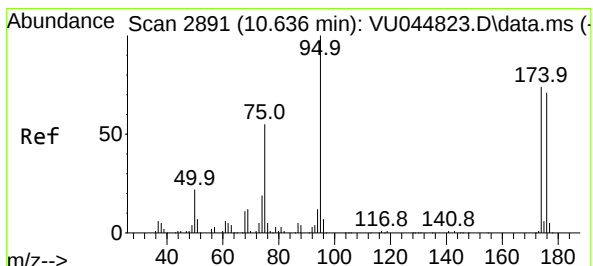
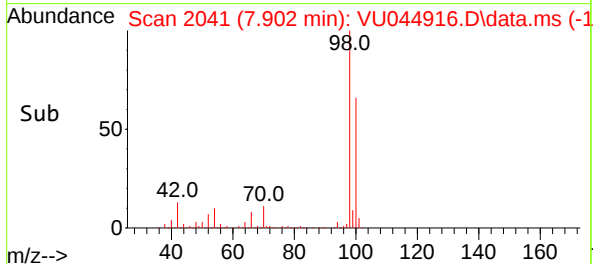
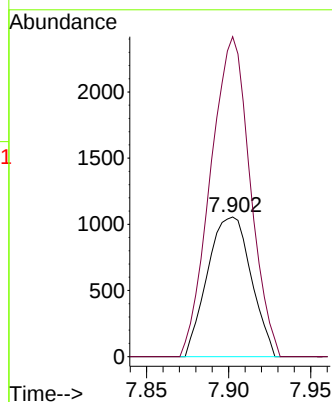
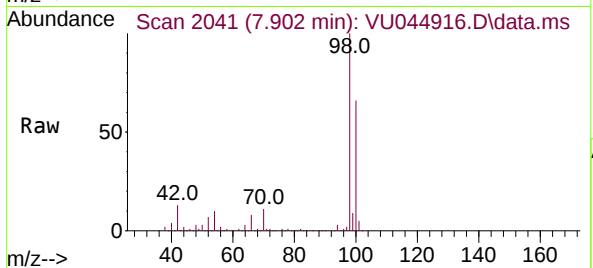




#51  
4-Methyl-2-Pentanone  
Concen: 0.354 ug/l  
RT: 7.902 min Scan# 2041  
Delta R.T. 0.106 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

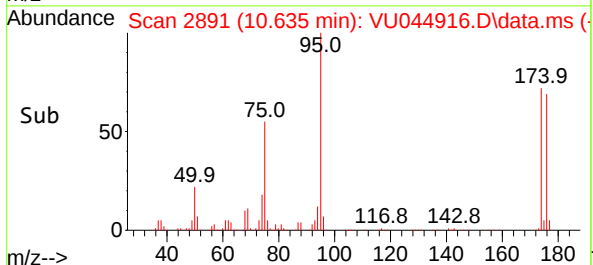
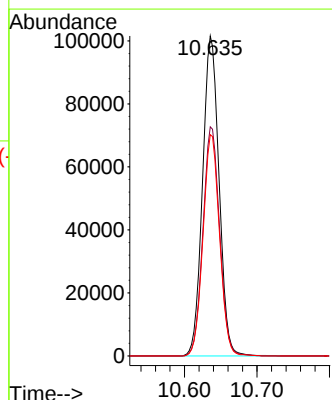
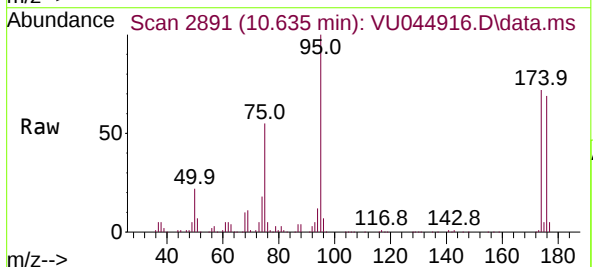
Instrument :  
MSVOA\_U  
ClientSampleId :  
RE108D2-20210917DL

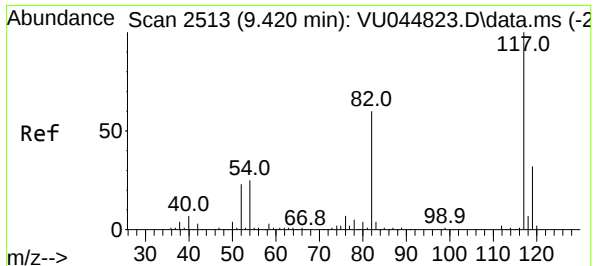
Tgt Ion: 43 Resp: 1945  
Ion Ratio Lower Upper  
43 100  
58 208.1 32.4 48.6#



#62  
4-Bromofluorobenzene  
Concen: 47.085 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion: 95 Resp: 160295  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 146.6  
176 69.2 0.0 141.2

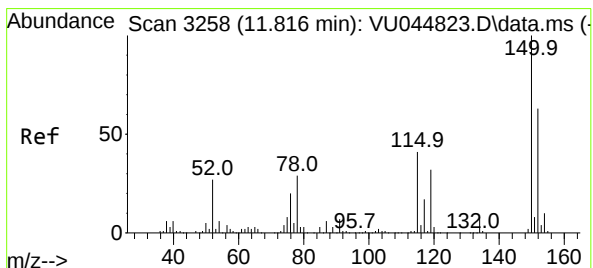
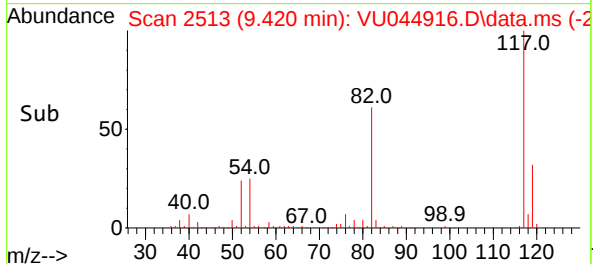
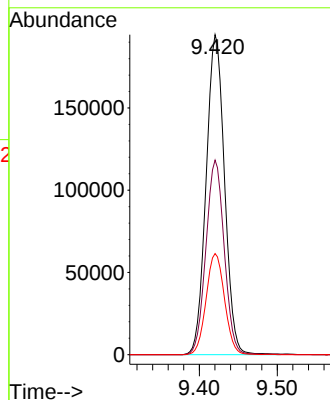
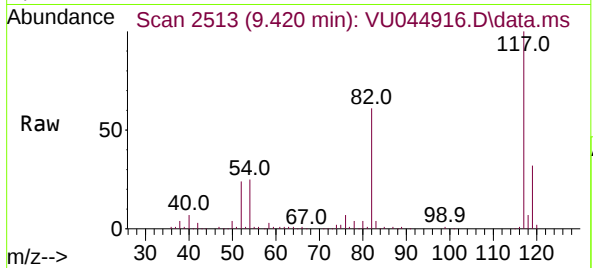




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

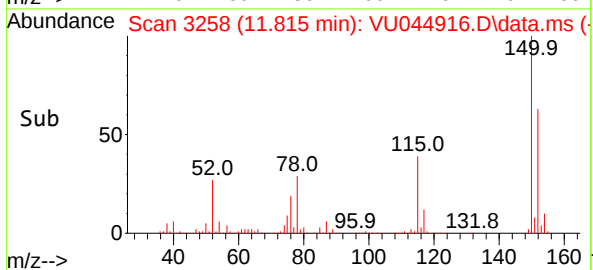
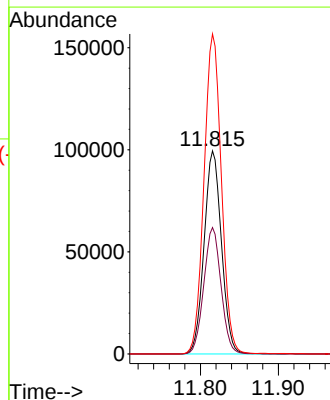
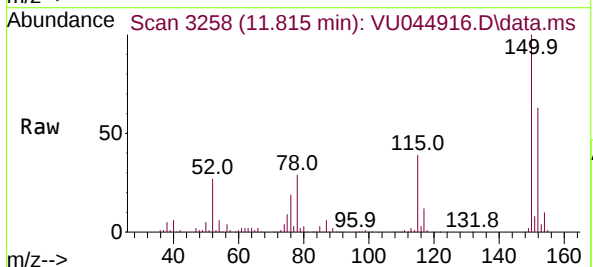
Instrument :  
MSVOA\_U  
ClientSampleId :  
RE108D2-20210917DL

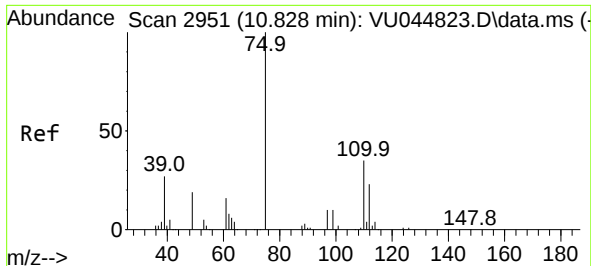
Tgt Ion:117 Resp: 319235  
Ion Ratio Lower Upper  
117 100  
82 60.8 47.8 71.8  
119 31.6 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.815 min Scan# 3258  
Delta R.T. -0.000 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Tgt Ion:152 Resp: 153811  
Ion Ratio Lower Upper  
152 100  
115 61.6 43.5 130.7  
150 157.4 0.0 350.0

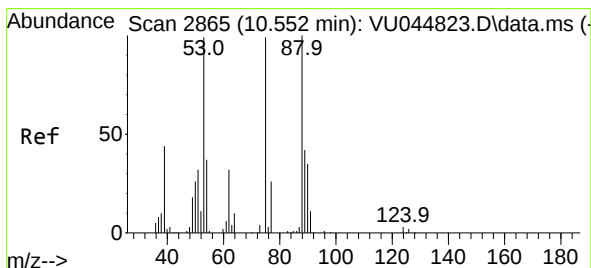
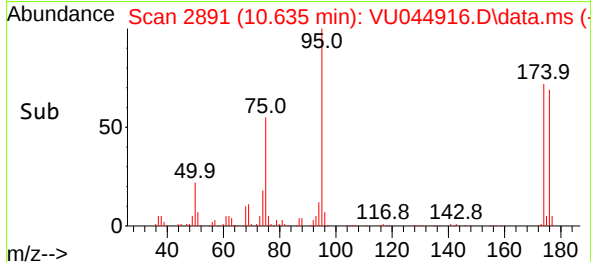
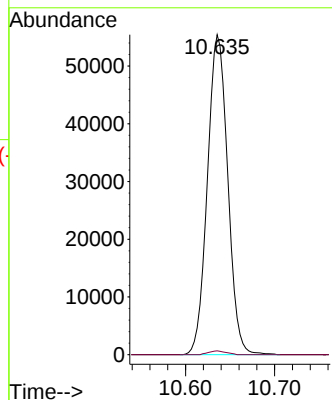
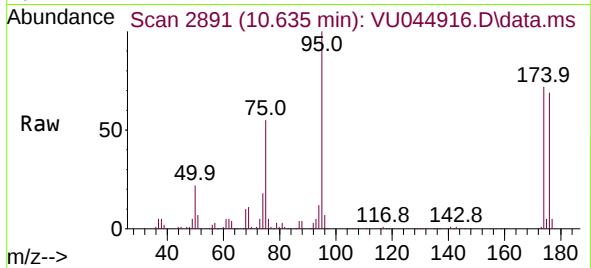




#76  
1,2,3-Trichloropropane  
Concen: 18.863 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. -0.193 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

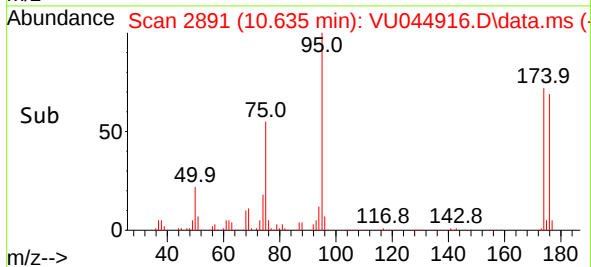
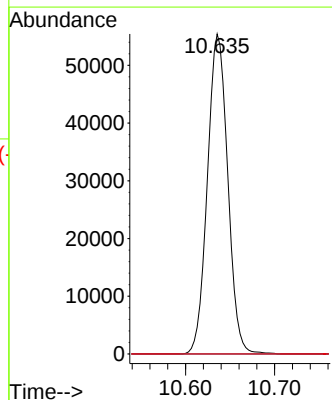
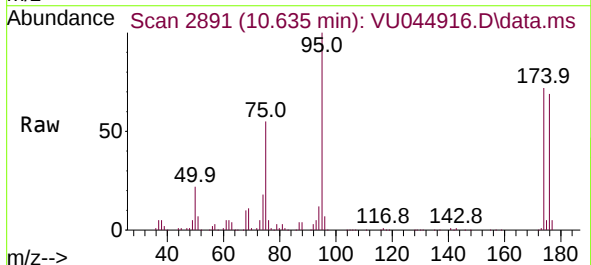
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ClientSampleId :  
RE108D2-20210917DL

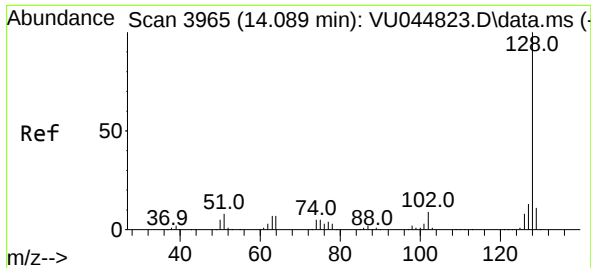
Tgt Ion: 75 Resp: 87859  
Ion Ratio Lower Upper  
75 100  
77 1.0 17.9 53.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 61.107 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.084 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

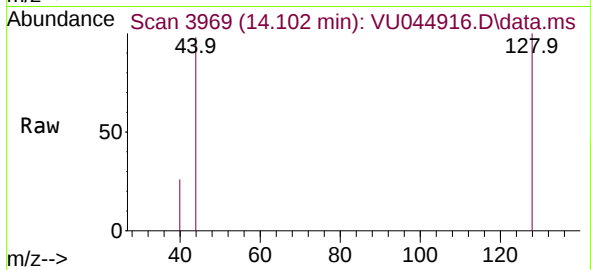
Tgt Ion: 75 Resp: 87859  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.0 123.0#  
89 0.0 34.2 51.4#





#95  
Naphthalene  
Concen: 1.000 ug/l  
RT: 14.102 min Scan# 3969  
Delta R.T. 0.013 min  
Lab File: VU044916.D  
Acq: 28 Sep 2021 03:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion:128 Resp: 681  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.4 15.6#  
129 0.0 8.6 13.0#

