

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071522\  
 Data File : VX030091.D  
 Acq On : 15 Jul 2022 15:04  
 Operator : JC/MD  
 Sample : N3740-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jul 16 06:02:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X071222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 13 09:05:23 2022  
 Response via : Initial Calibration

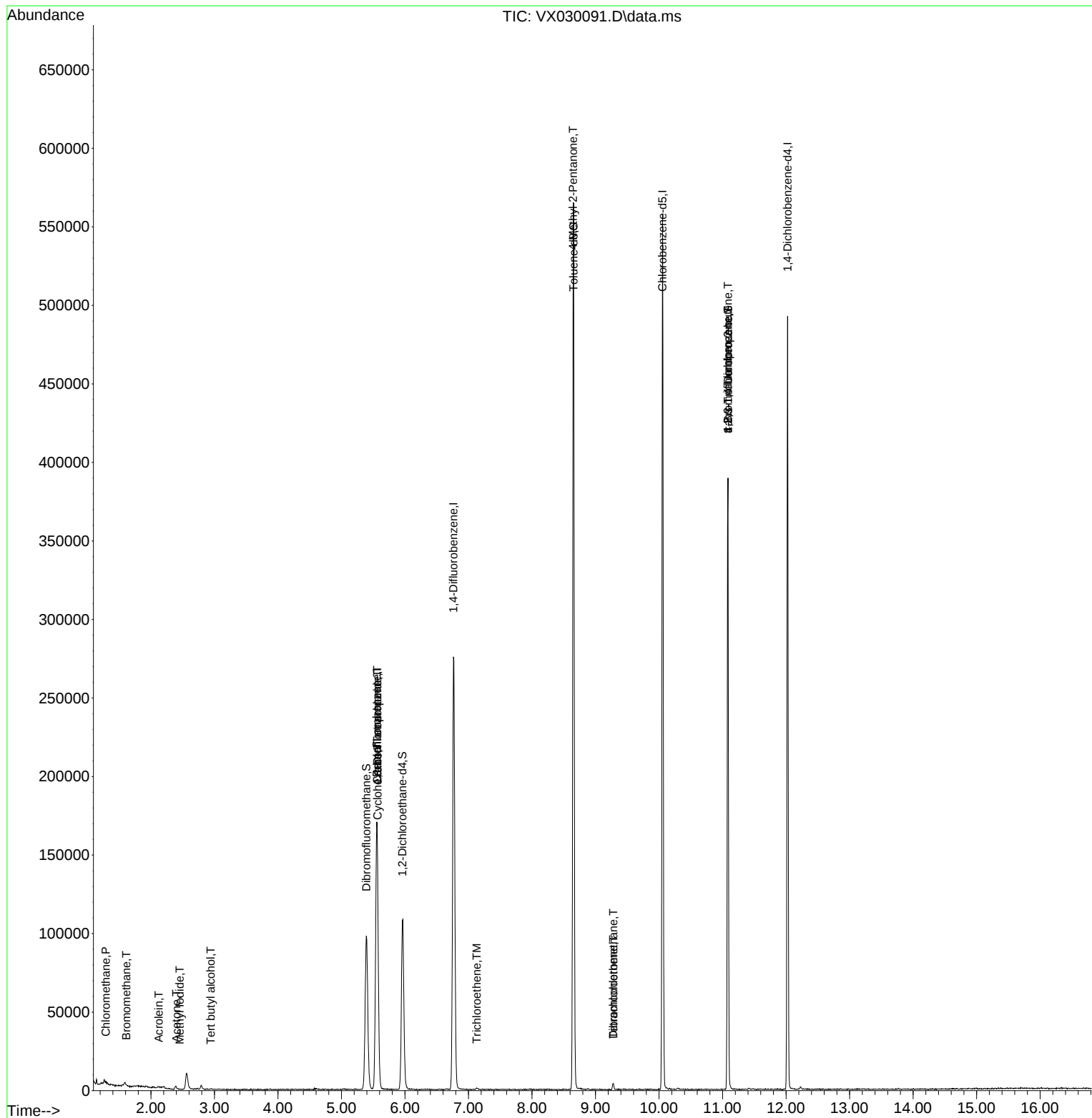
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 164670   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 288243   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 251337   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 99159    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 98436    | 49.112    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 98.220%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 86367    | 46.903    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 93.800%  |
| 50) Toluene-d8                | 8.653  | 98    | 337245   | 48.697    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 97.400%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 105684   | 43.974    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 87.940%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 602      | 0.351     | ug/l # | 63       |
| 5) Bromomethane               | 1.611  | 94    | 247      | 0.305     | ug/l   | 93       |
| 10) Methyl Iodide             | 2.453  | 142   | 101      | 2.466     | ug/l # | 45       |
| 11) Tert butyl alcohol        | 2.940  | 59    | 191      | 0.369     | ug/l # | 74       |
| 13) Acrolein                  | 2.124  | 56    | 65       | 0.631     | ug/l   | 94       |
| 16) Acetone                   | 2.398  | 43    | 2267     | 2.400     | ug/l # | 72       |
| 17) Carbon Disulfide          | 2.526  | 76    | 266      | Below Cal | #      | 74       |
| 20) Methylene Chloride        | 2.794  | 84    | 1004     | Below Cal |        | 93       |
| 31) Cyclohexane               | 5.568  | 56    | 3730     | 1.284     | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 12485    | 5.249     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 16140    | 7.277     | ug/l # | 17       |
| 44) Trichloroethene           | 7.129  | 130   | 454      | 0.208     | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1547     | 0.509     | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.281  | 129   | 827      | 0.433     | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.281  | 164   | 750      | 0.372     | ug/l # | 73       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 51738    | 22.693    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 51738    | 65.492    | ug/l # | 13       |
| -----                         |        |       |          |           |        |          |

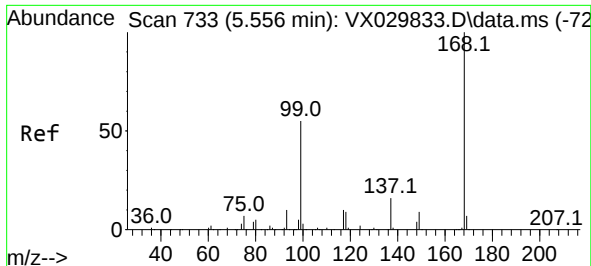
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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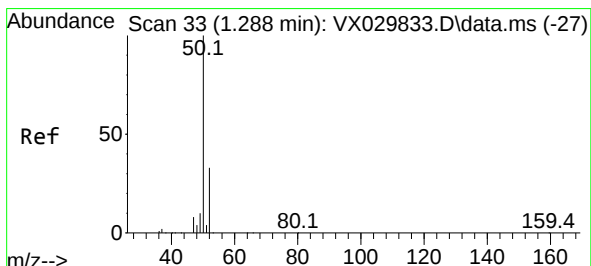
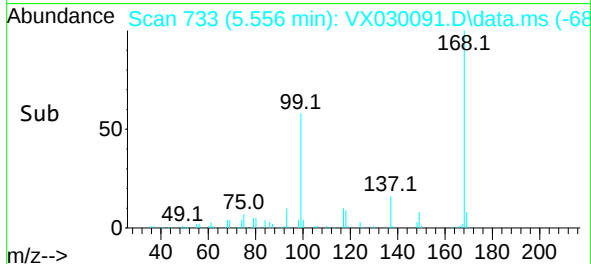
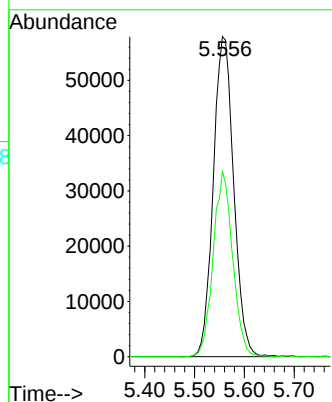
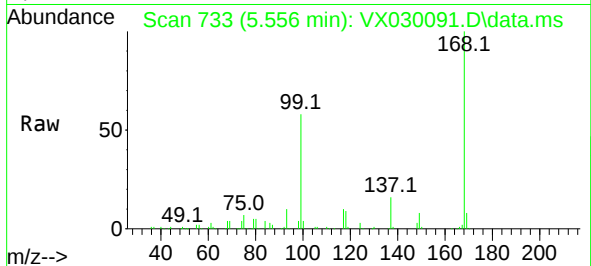




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

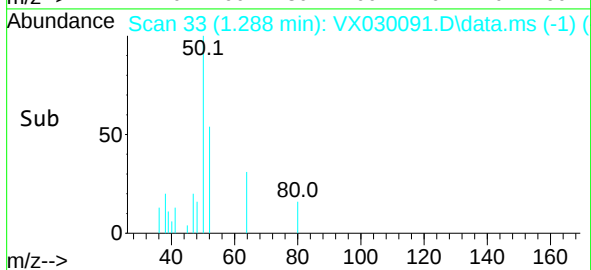
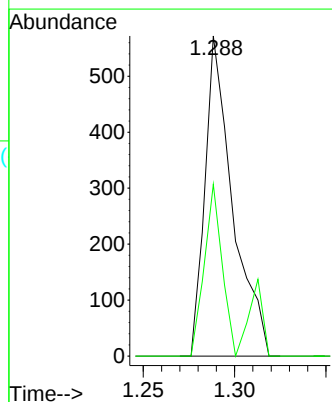
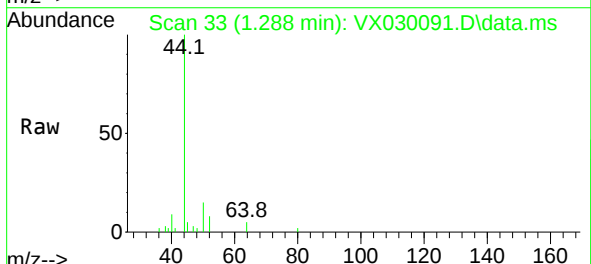
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

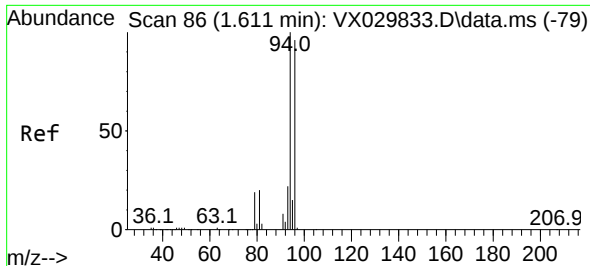
Tgt Ion:168 Resp: 164670  
Ion Ratio Lower Upper  
168 100  
99 57.8 44.0 66.0



#3  
Chloromethane  
Concen: 0.351 ug/l  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 50 Resp: 602  
Ion Ratio Lower Upper  
50 100  
52 53.7 26.3 39.5

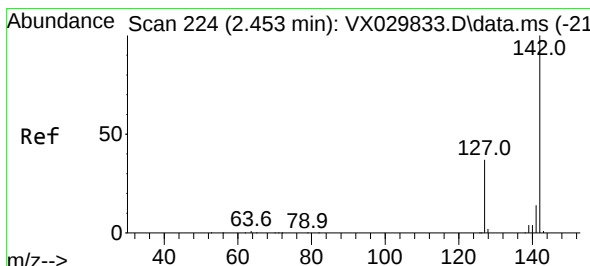
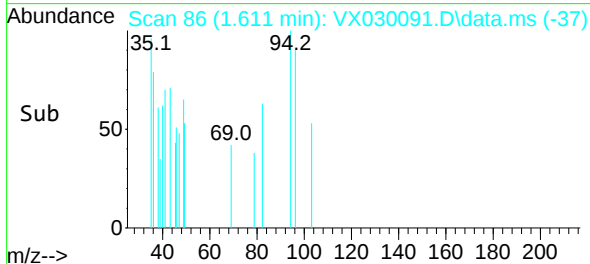
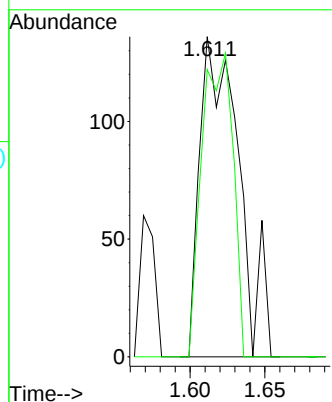
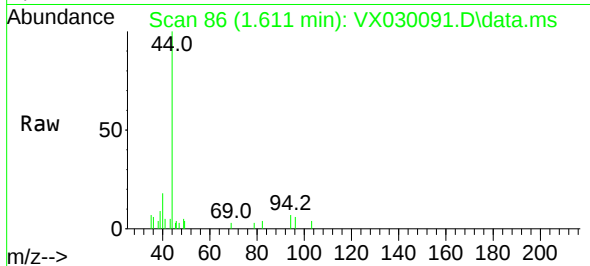




#5  
Bromomethane  
Concen: 0.305 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

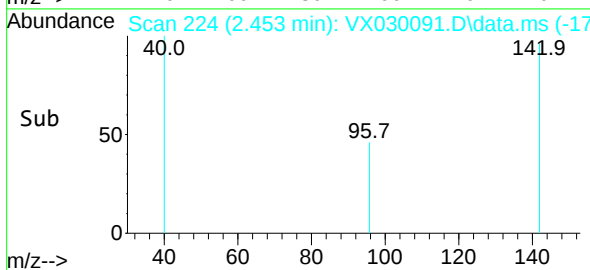
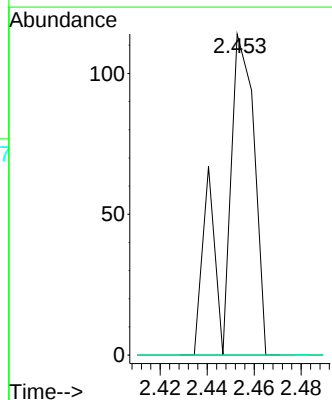
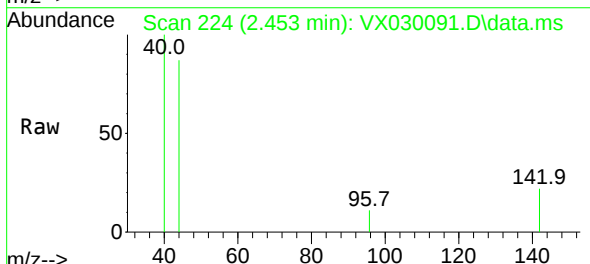
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

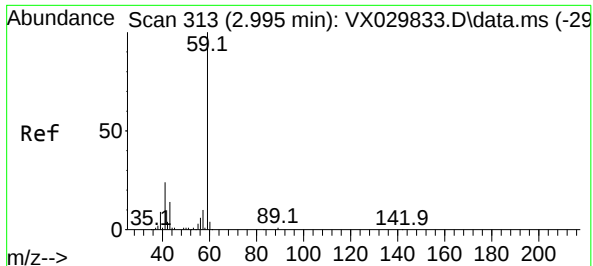
Tgt Ion: 94 Resp: 247  
Ion Ratio Lower Upper  
94 100  
96 89.7 76.9 115.3



#10  
Methyl Iodide  
Concen: 2.466 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 142 Resp: 101  
Ion Ratio Lower Upper  
142 100  
127 0.0 30.2 45.2#  
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.369 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX030091.D

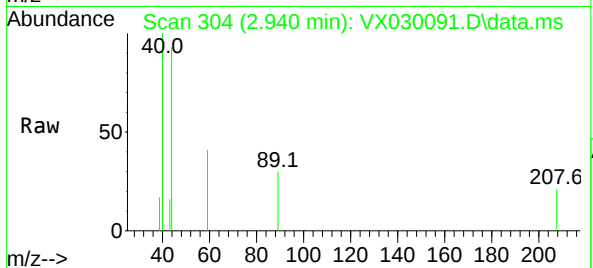
Acq: 15 Jul 2022 15:04

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

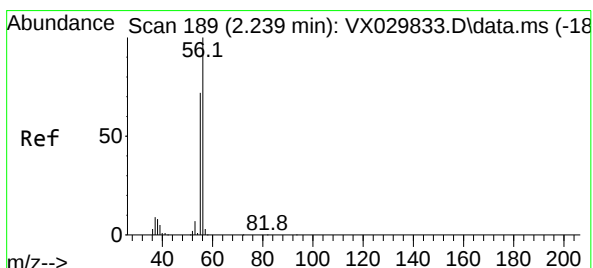
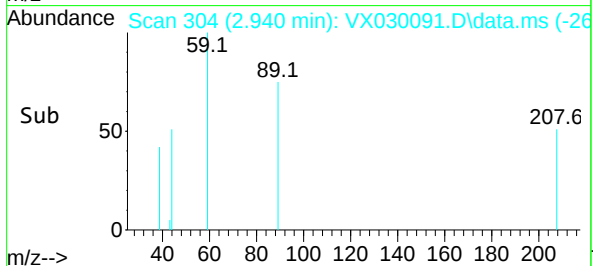
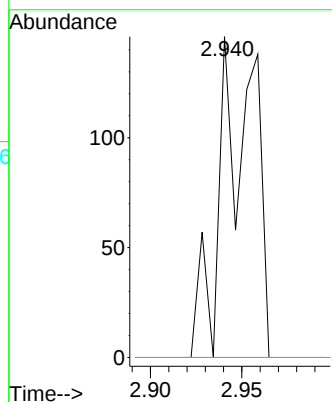


Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.631 ug/l

RT: 2.124 min Scan# 170

Delta R.T. -0.115 min

Lab File: VX030091.D

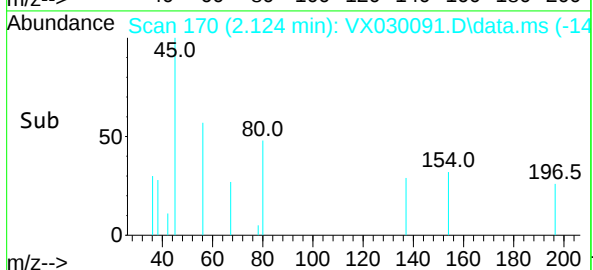
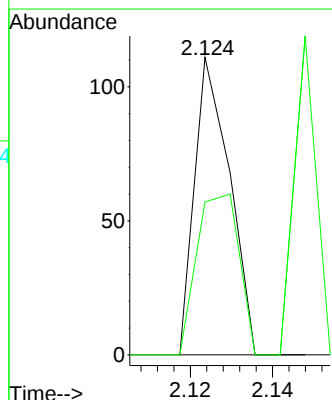
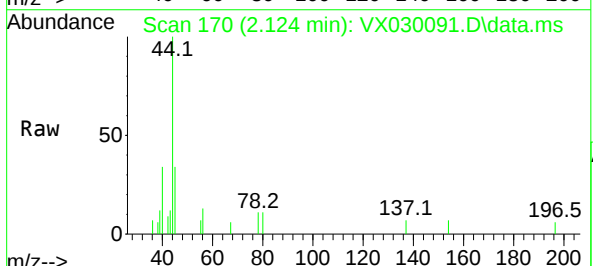
Acq: 15 Jul 2022 15:04

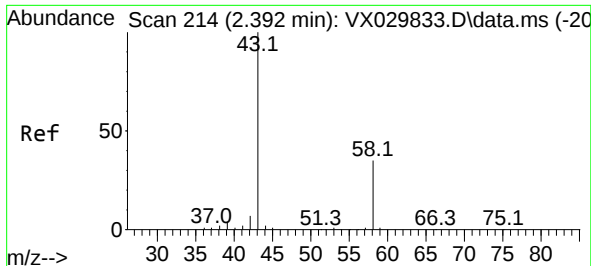
Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 66.2 56.6 84.8

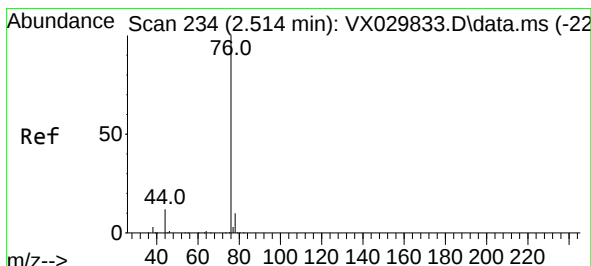
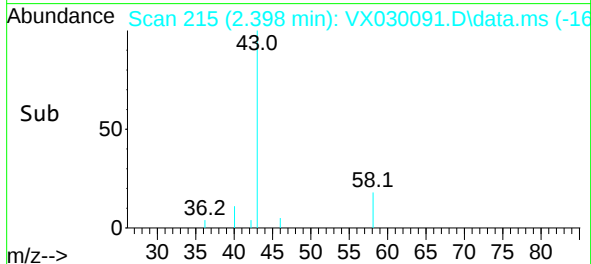
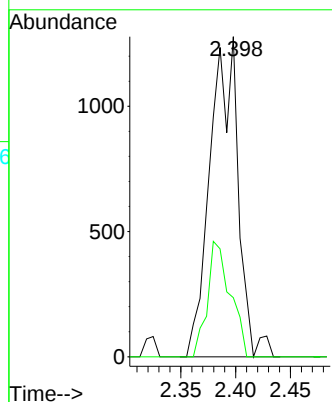
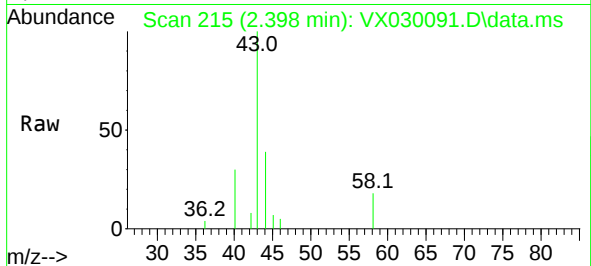




#16  
Acetone  
Concen: 2.400 ug/l  
RT: 2.398 min Scan# 214  
Delta R.T. 0.006 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

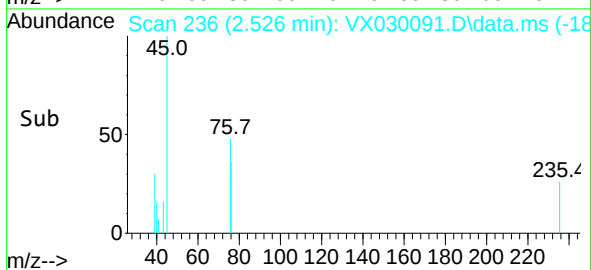
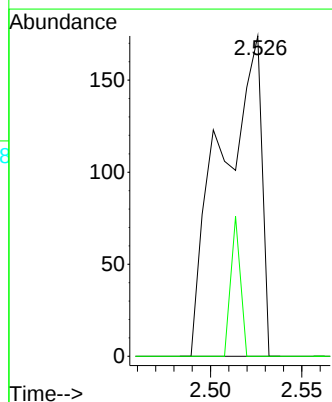
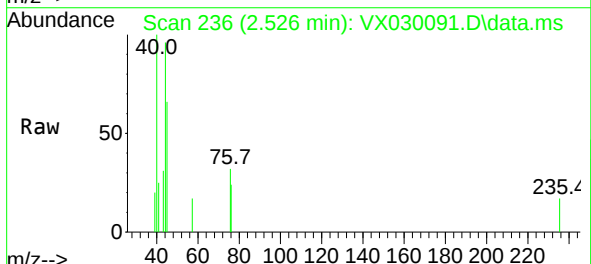
Instrument :  
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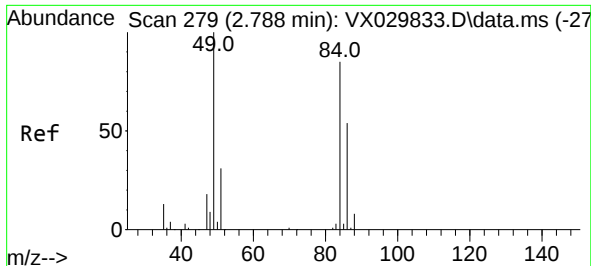
Tgt Ion: 43 Resp: 2267  
Ion Ratio Lower Upper  
43 100  
58 18.5 27.7 41.5#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 2.526 min Scan# 236  
Delta R.T. 0.012 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 76 Resp: 266  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.8 11.6#

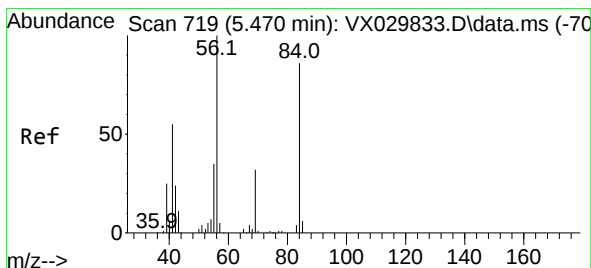
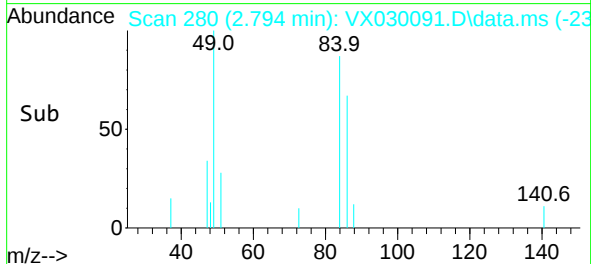
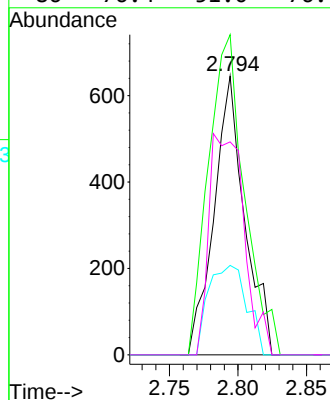
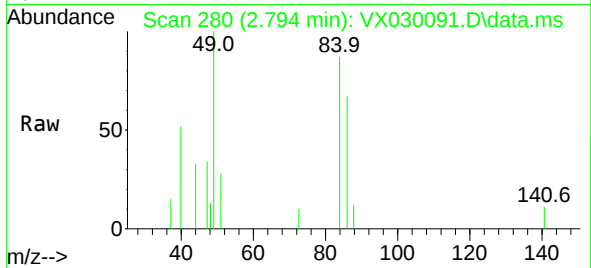




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

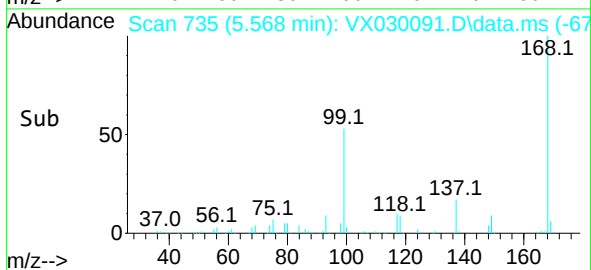
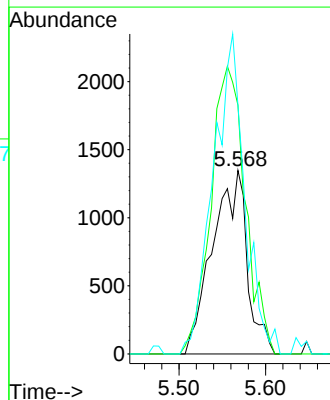
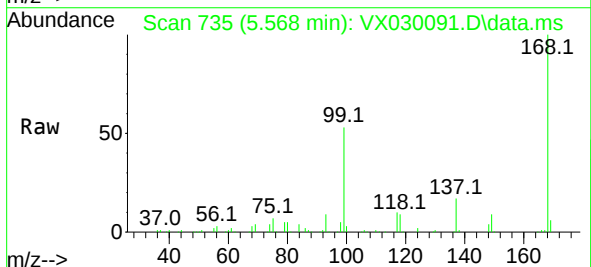
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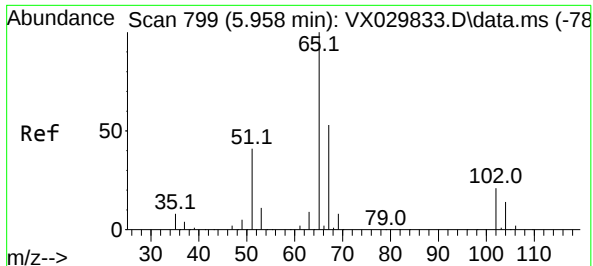
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1004  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.9 | 93.8  | 140.6 |
| 51       | 32.1  | 29.4  | 44.0  |
| 86       | 76.4  | 51.0  | 76.4  |



#31  
Cyclohexane  
Concen: 1.284 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.098 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3730   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 135.6 | 25.4  | 38.0#  |
| 84       | 135.6 | 68.9  | 103.3# |





#33

1,2-Dichloroethane-d4

Concen: 49.112 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030091.D

Acq: 15 Jul 2022 15:04

Instrument :

MSVOA\_X

ClientSampleId :

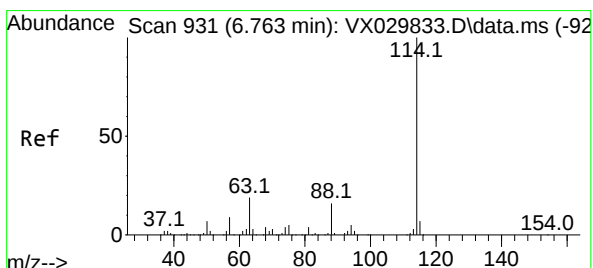
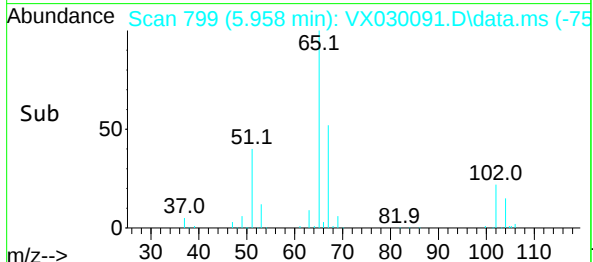
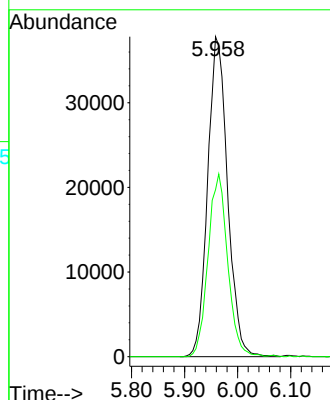
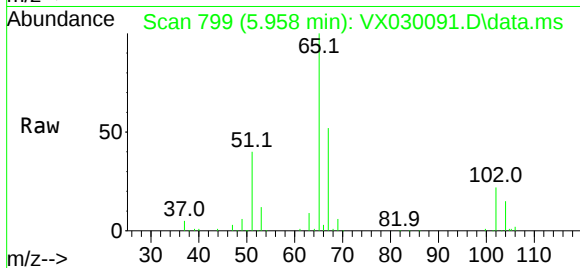
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 65 Resp: 98436

Ion Ratio Lower Upper

65 100

67 56.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX030091.D

Acq: 15 Jul 2022 15:04

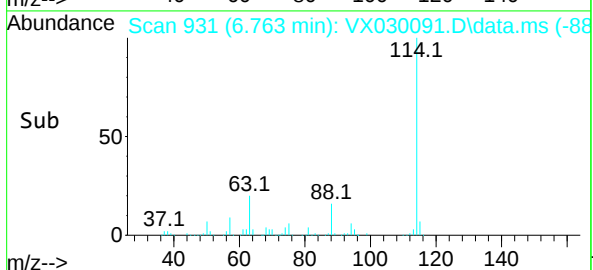
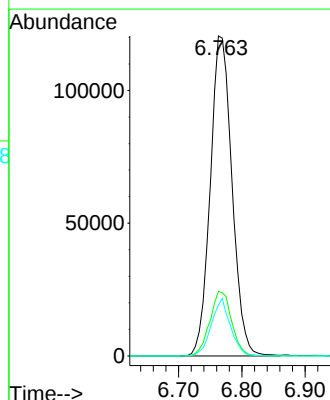
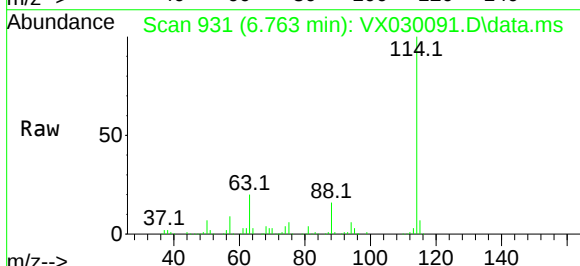
Tgt Ion: 114 Resp: 288243

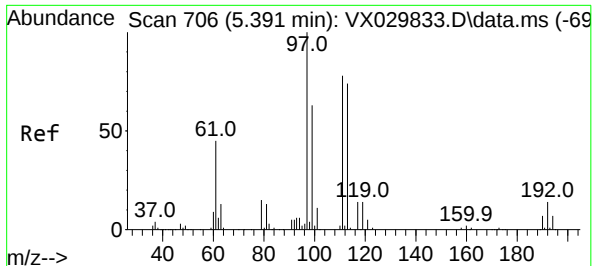
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.903 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030091.D

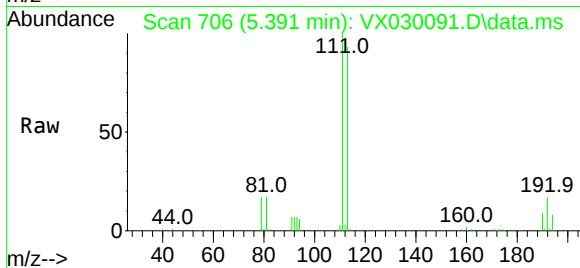
Acq: 15 Jul 2022 15:04

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



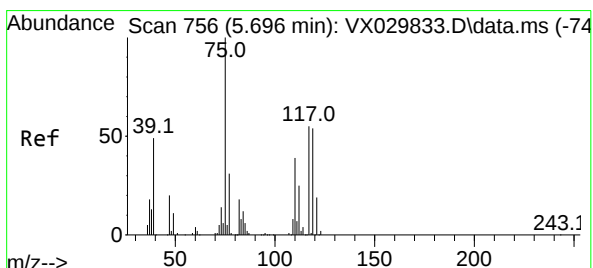
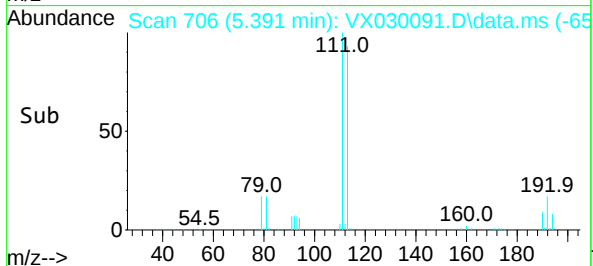
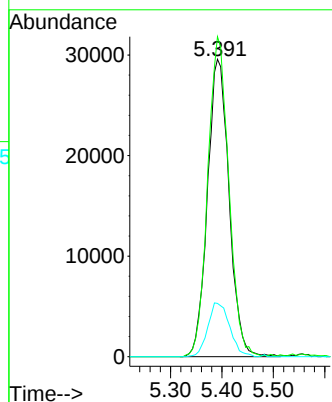
Tgt Ion:113 Resp: 86367

Ion Ratio Lower Upper

113 100

111 104.7 83.2 124.8

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.249 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030091.D

Acq: 15 Jul 2022 15:04

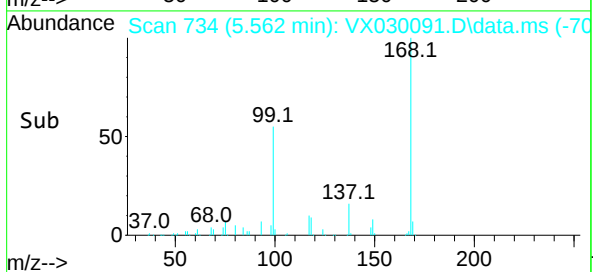
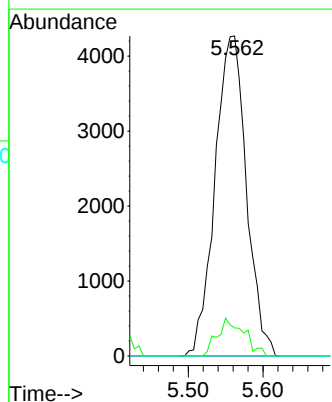
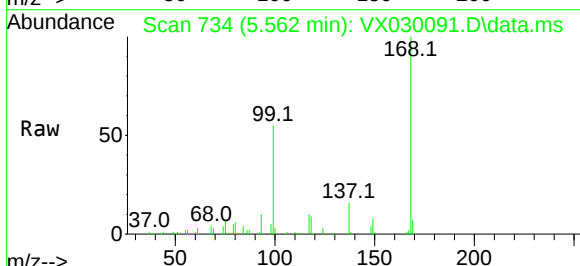
Tgt Ion: 75 Resp: 12485

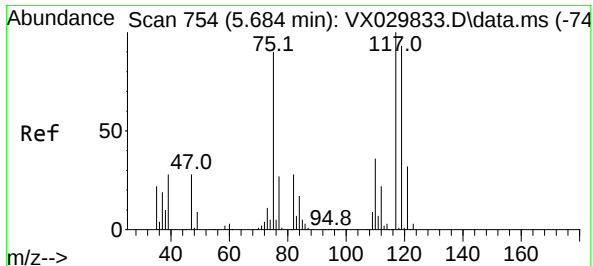
Ion Ratio Lower Upper

75 100

110 10.1 19.3 57.9#

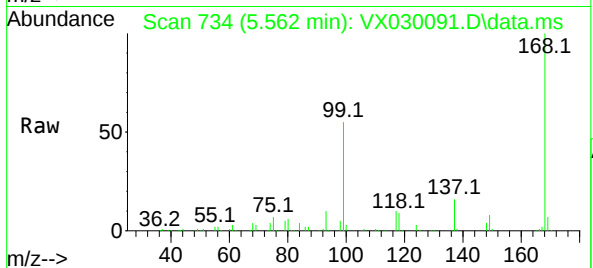
77 0.0 24.4 36.6#



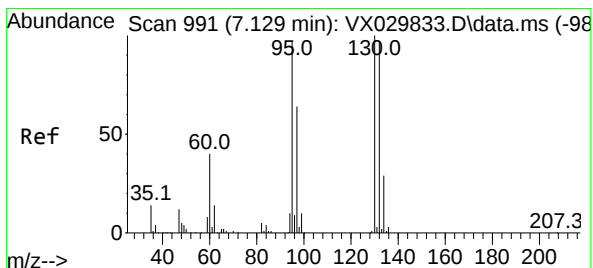
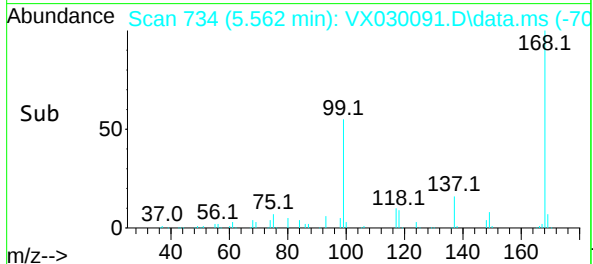
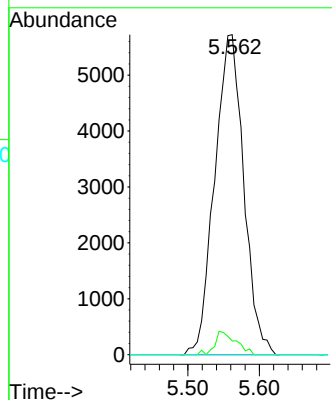


#38  
Carbon Tetrachloride  
Concen: 7.277 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

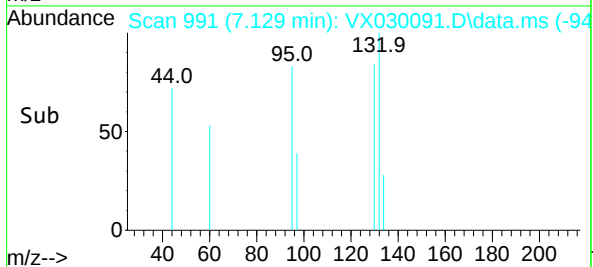
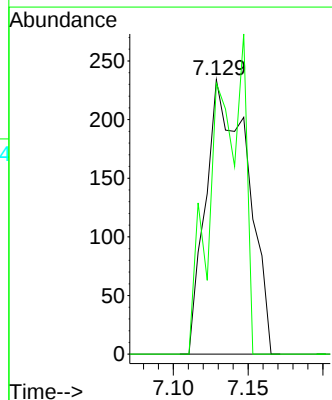
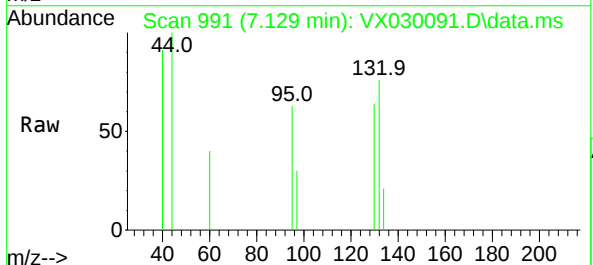


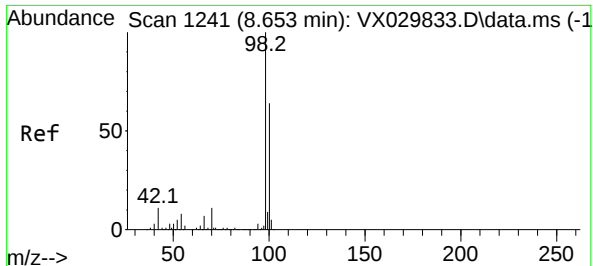
Tgt Ion:117 Resp: 16140  
Ion Ratio Lower Upper  
117 100  
119 4.3 74.1 111.1#  
121 0.0 25.8 38.8#



#44  
Trichloroethene  
Concen: 0.208 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion:130 Resp: 454  
Ion Ratio Lower Upper  
130 100  
95 98.7 0.0 194.8

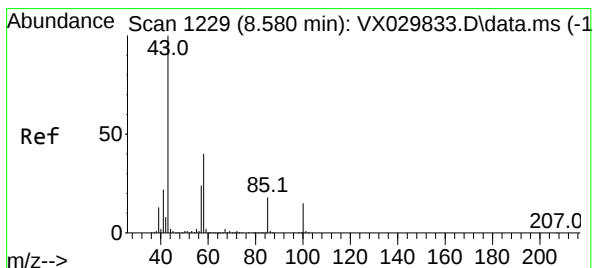
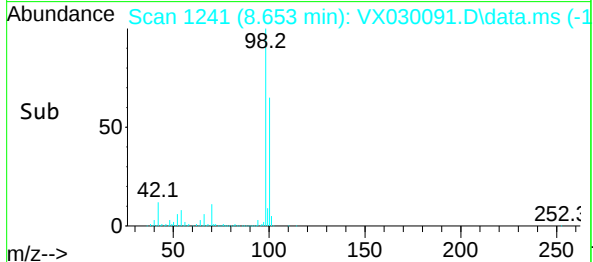
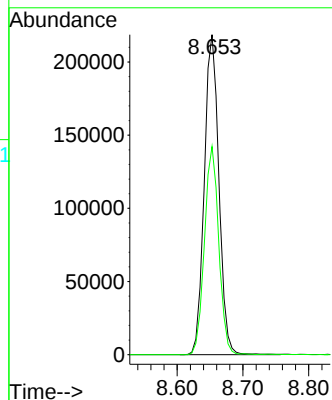
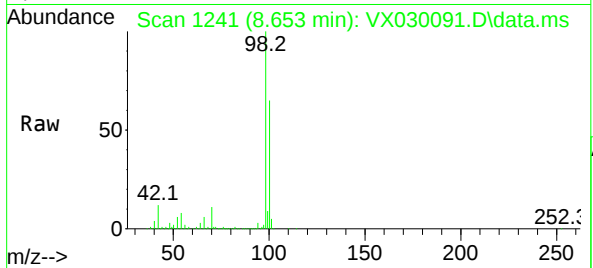




#50  
Toluene-d8  
Concen: 48.697 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

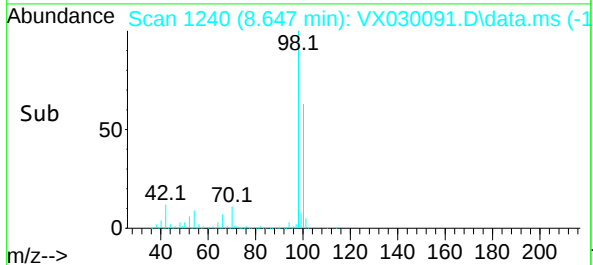
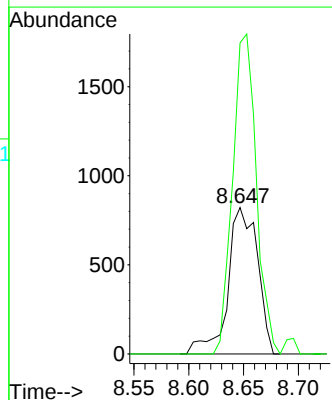
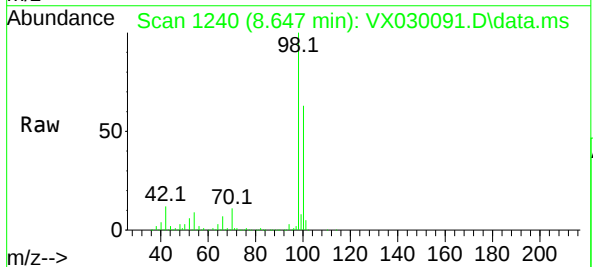
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MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

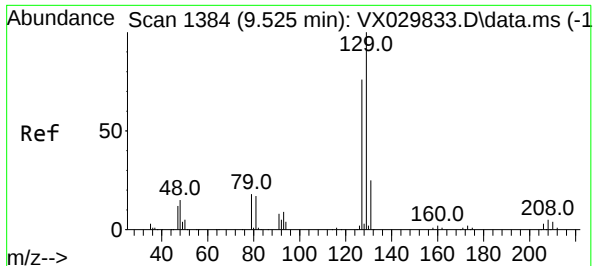
Tgt Ion: 98 Resp: 337245  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.3 78.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.509 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 43 Resp: 1547  
Ion Ratio Lower Upper  
43 100  
58 174.5 31.4 47.2#

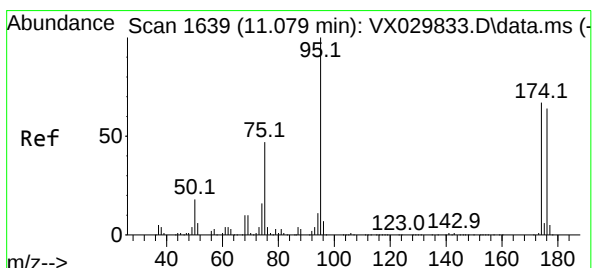
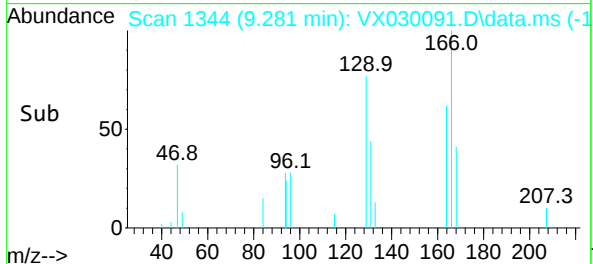
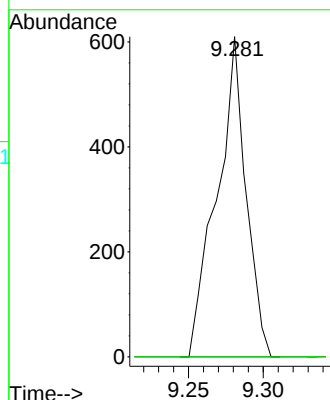
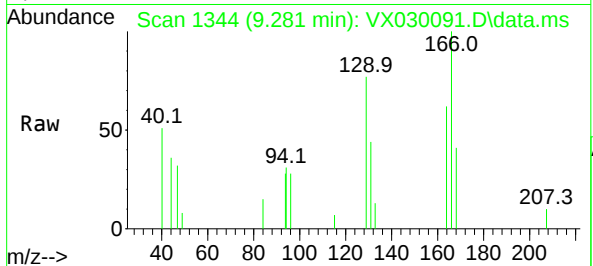




#60  
Dibromochloromethane  
Concen: 0.433 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

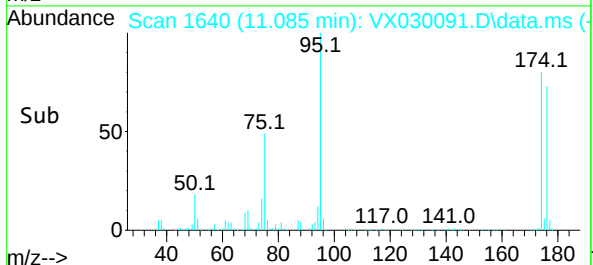
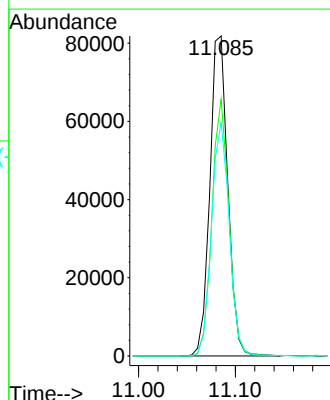
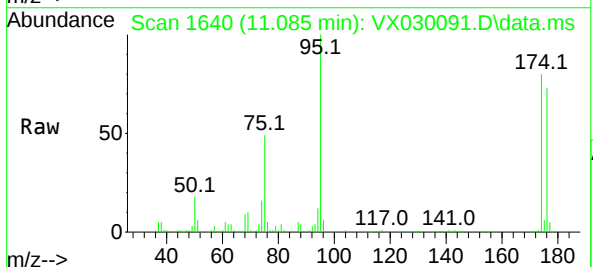
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

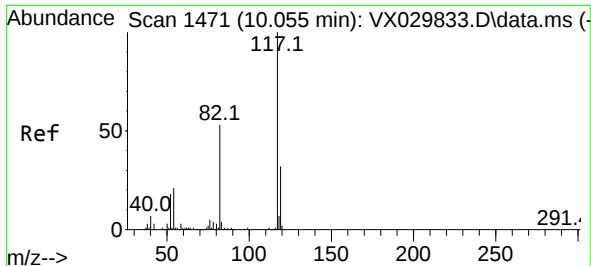
Tgt Ion:129 Resp: 827  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 43.974 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 95 Resp: 105684  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 149.0  
176 72.3 0.0 146.0

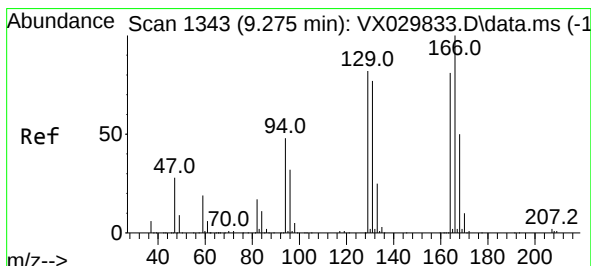
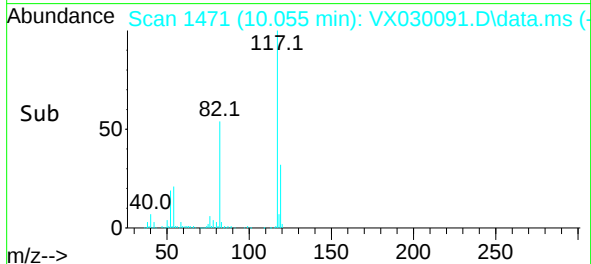
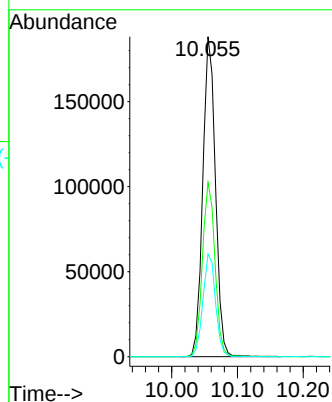
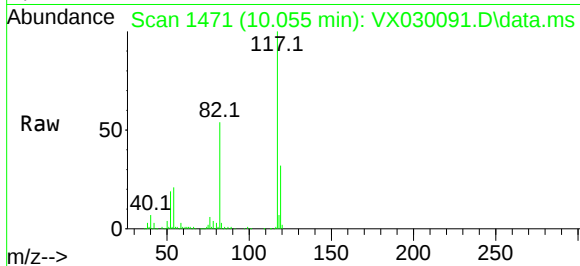




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

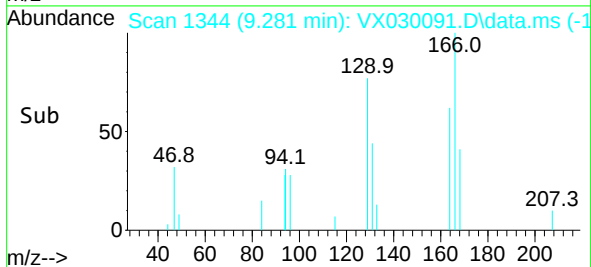
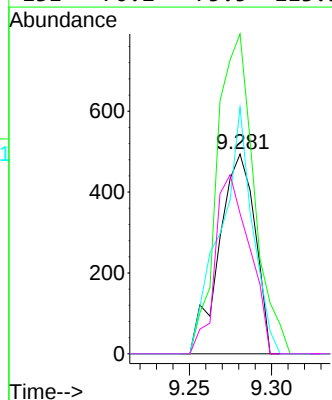
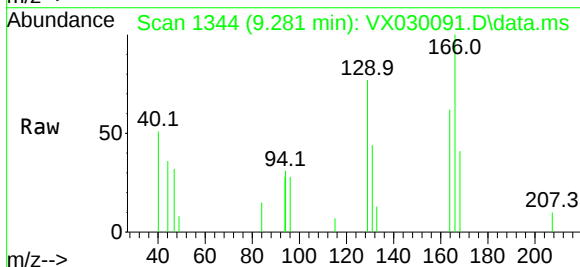
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

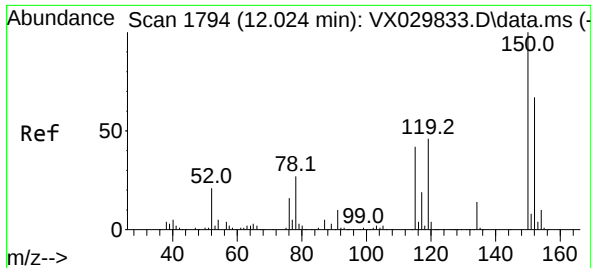
Tgt Ion:117 Resp: 251337  
Ion Ratio Lower Upper  
117 100  
82 54.4 42.7 64.1  
119 32.1 25.4 38.2



#64  
Tetrachloroethene  
Concen: 0.372 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. 0.006 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion:164 Resp: 750  
Ion Ratio Lower Upper  
164 100  
166 160.1 98.2 147.4#  
129 123.5 80.8 121.2#  
131 70.2 75.5 113.3#

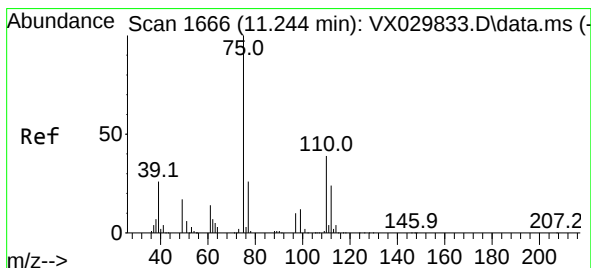
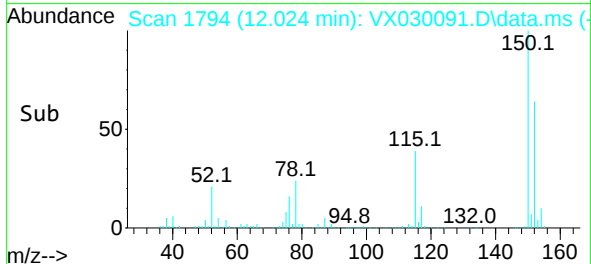
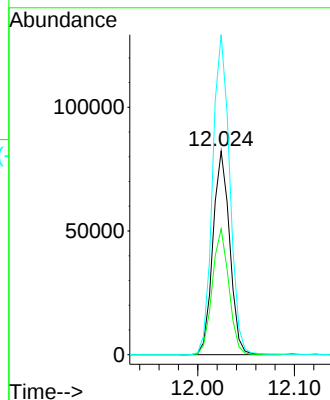
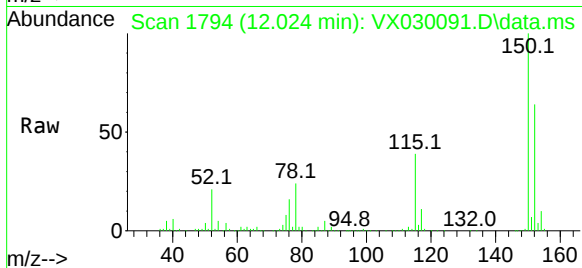




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

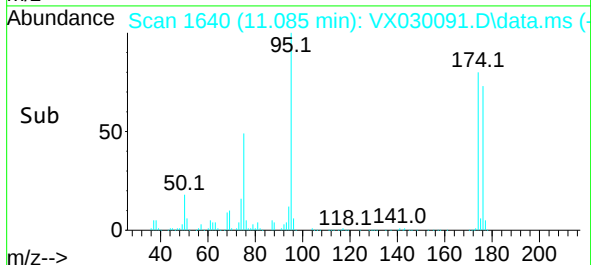
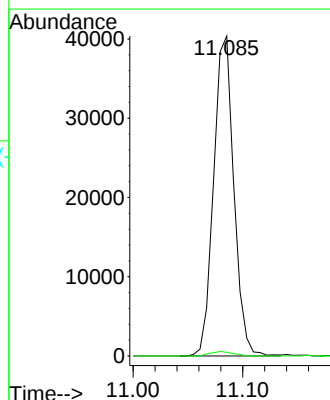
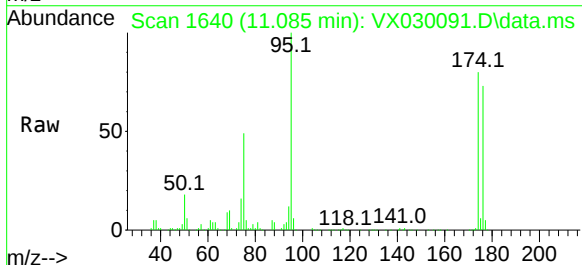
Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SOIL-REF-6

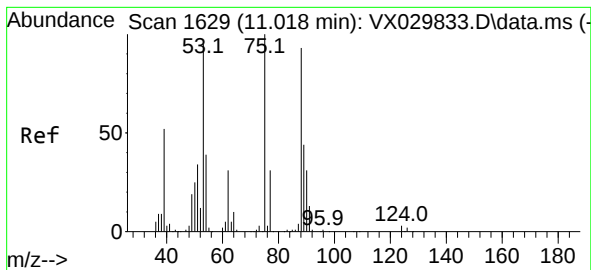
Tgt Ion:152 Resp: 99159  
Ion Ratio Lower Upper  
152 100  
115 61.0 40.5 121.5  
150 160.0 0.0 347.0



#76  
1,2,3-Trichloropropane  
Concen: 22.693 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.159 min  
Lab File: VX030091.D  
Acq: 15 Jul 2022 15:04

Tgt Ion: 75 Resp: 51738  
Ion Ratio Lower Upper  
75 100  
77 1.6 19.8 59.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 65.492 ug/l  
 RT: 11.085 min Scan# 1  
 Delta R.T. 0.067 min  
 Lab File: VX030091.D  
 Acq: 15 Jul 2022 15:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 51738  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.2 111.4#  
 89 0.1 34.8 52.2#

