

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092922\  
 Data File : VY010739.D  
 Acq On : 29 Sep 2022 18:15  
 Operator : KP/MD  
 Sample : N4894-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CRUSHED-MASONRY-PILE-8

Quant Time: Sep 30 08:24:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

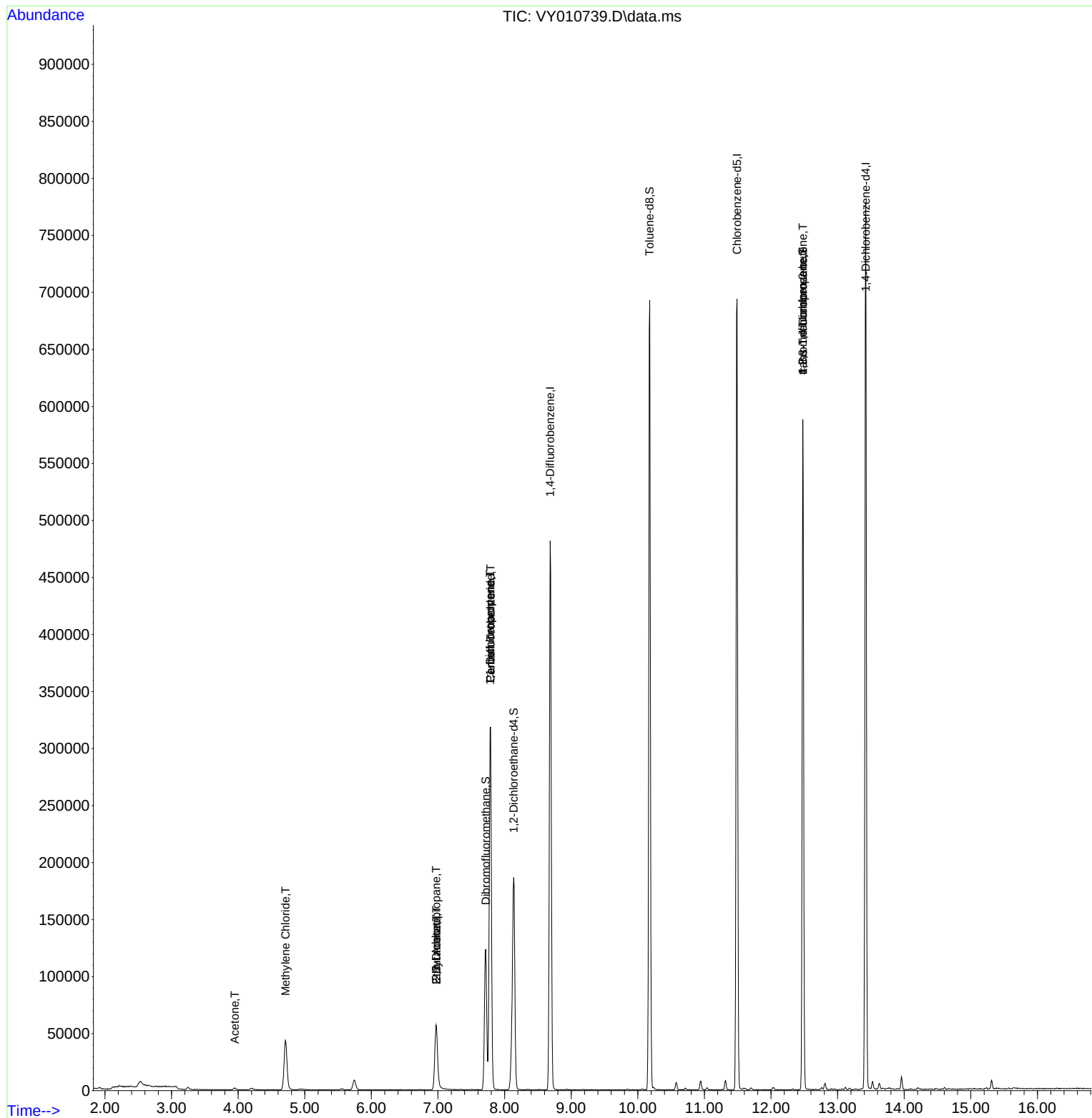
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 251204   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 417692   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 388744   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 199165   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 133303   | 55.480    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 110.960% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 87778    | 32.929    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 65.860%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 455614   | 46.481    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 92.960%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 172504   | 47.019    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 94.040%  |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.906  | 85    | 606      | Below Cal | #          | 71       |
| 3) Chloromethane              | 2.113  | 50    | 430      | Below Cal |            | 93       |
| 4) Vinyl Chloride             | 2.284  | 62    | 42       | Below Cal | #          | 43       |
| 5) Bromomethane               | 2.650  | 94    | 323      | Below Cal |            | 93       |
| 11) Tert butyl alcohol        | 4.930  | 59    | 609      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.948  | 43    | 2955     | 6.031     | ug/l #     | 89       |
| 17) Carbon Disulfide          | 4.192  | 76    | 238      | Below Cal | #          | 75       |
| 18) Methyl Acetate            | 4.284  | 43    | 25       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 33589    | 1.338     | ug/l #     | 84       |
| 25) 2-Butanone                | 6.978  | 43    | 3710     | 4.841     | ug/l #     | 83       |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 4677     | 1.284     | ug/l #     | 55       |
| 31) Cyclohexane               | 7.783  | 56    | 5152     | Below Cal | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 19548    | 6.581     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.978  | 43    | 3710     | 2.163     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 24797    | 7.261     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 89487    | 47.076    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 89487    | 104.671   | ug/l #     | 7        |

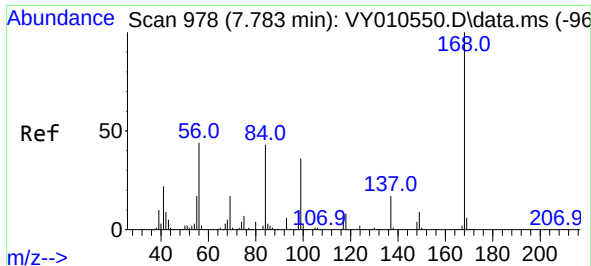
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092922\  
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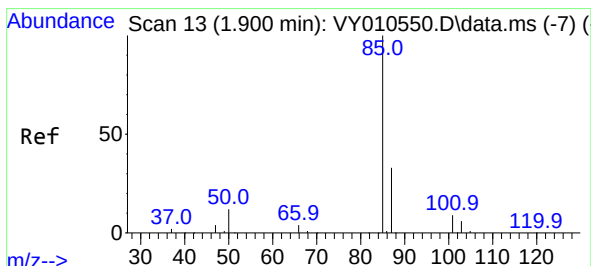
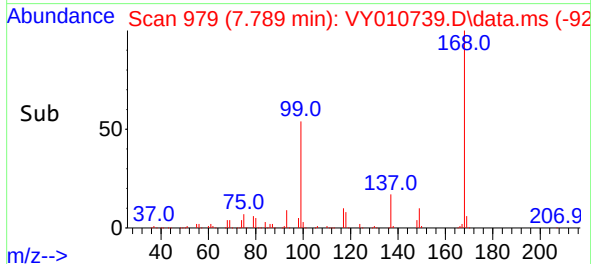
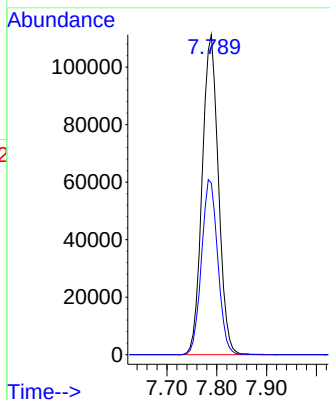
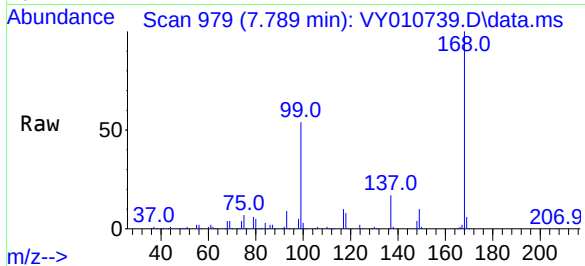




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

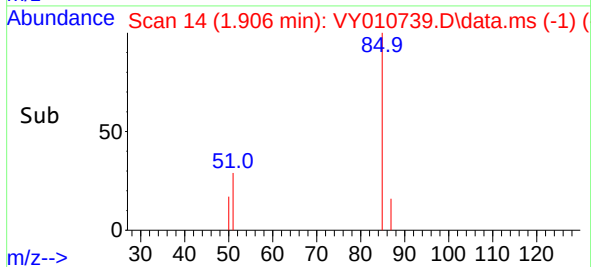
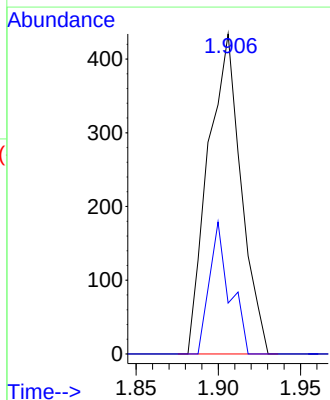
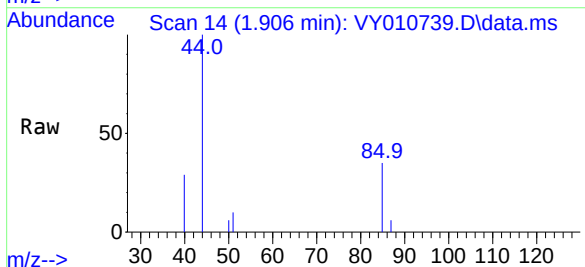
Instrument :  
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ClientSampleId :  
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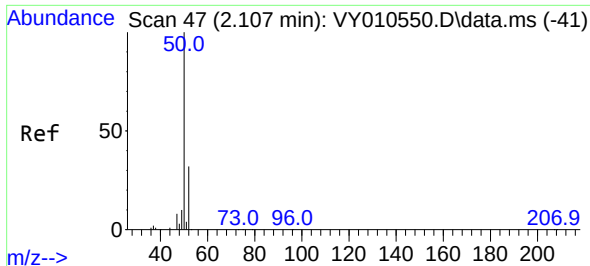
Tgt Ion:168 Resp: 251204  
Ion Ratio Lower Upper  
168 100  
99 53.6 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 85 Resp: 606  
Ion Ratio Lower Upper  
85 100  
87 15.9 16.1 48.2#

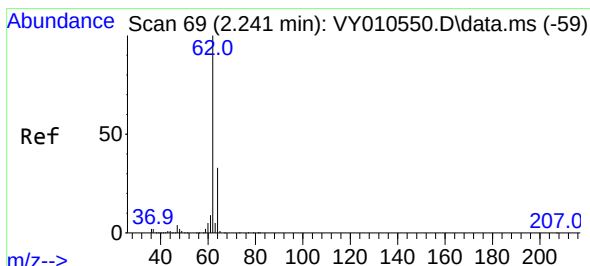
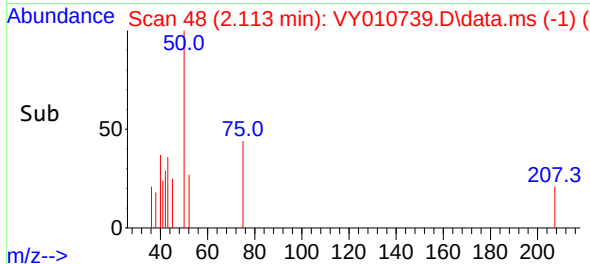
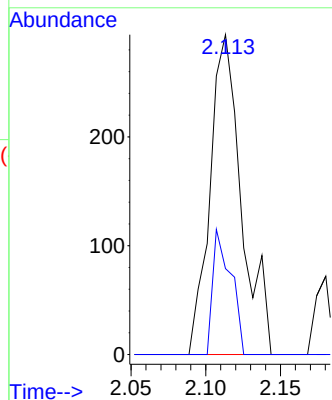
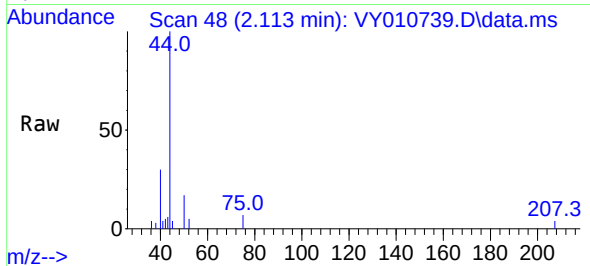




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

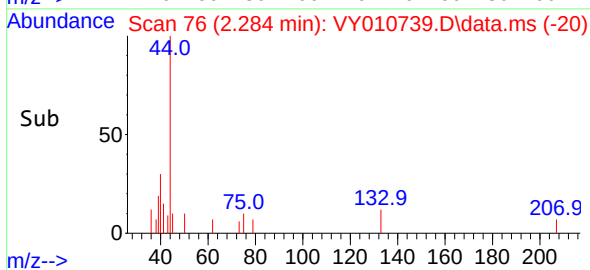
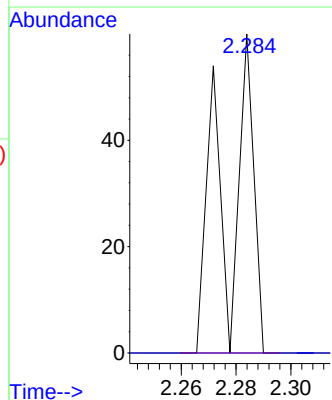
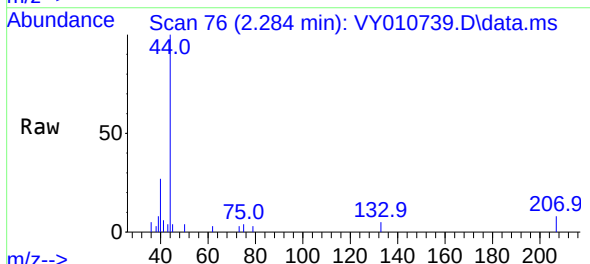
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

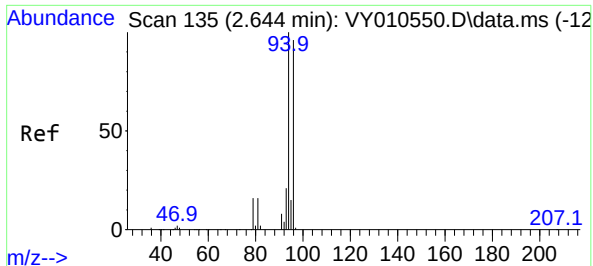
Tgt Ion: 50 Resp: 430  
Ion Ratio Lower Upper  
50 100  
52 26.9 24.6 37.0



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.284 min Scan# 76  
Delta R.T. 0.043 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 62 Resp: 42  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

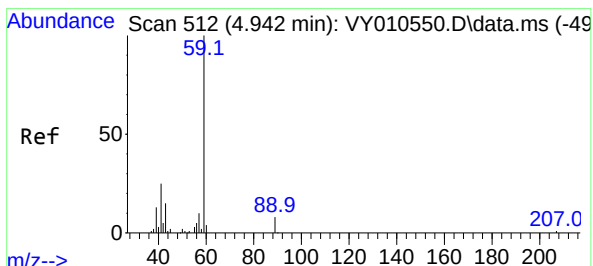
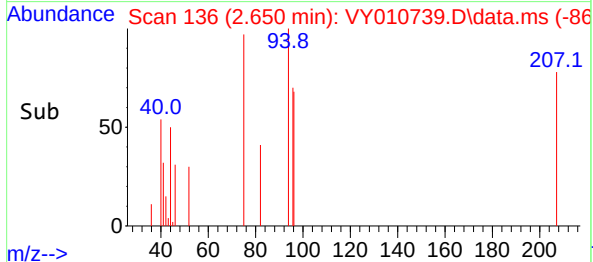
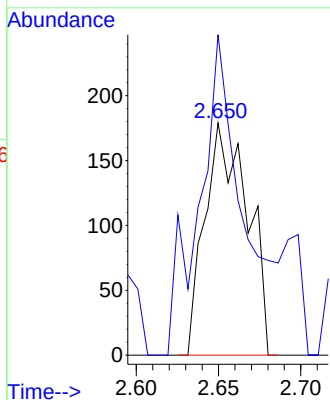
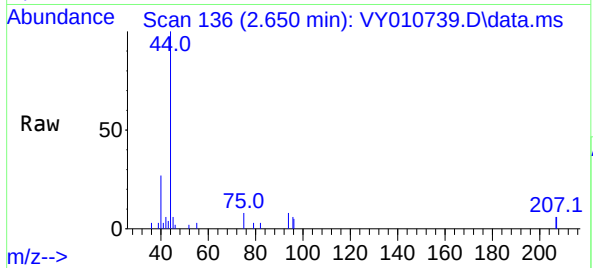




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.650 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

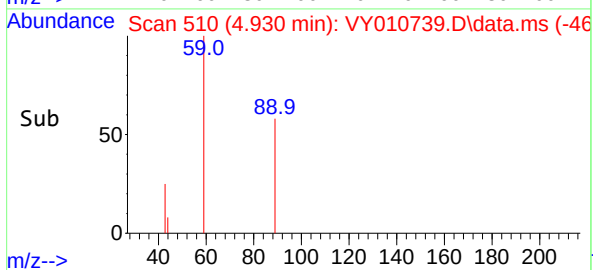
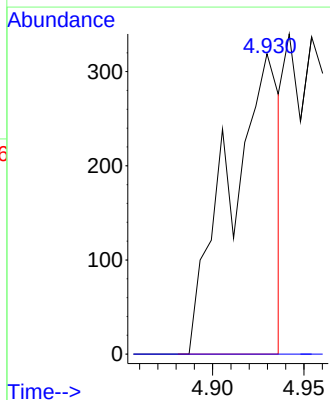
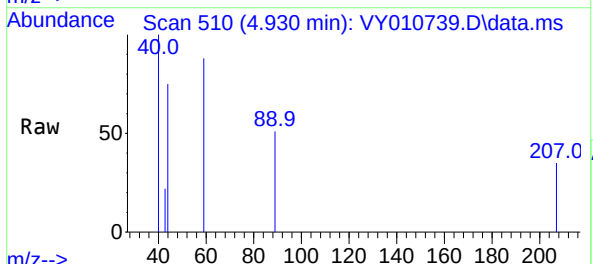
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

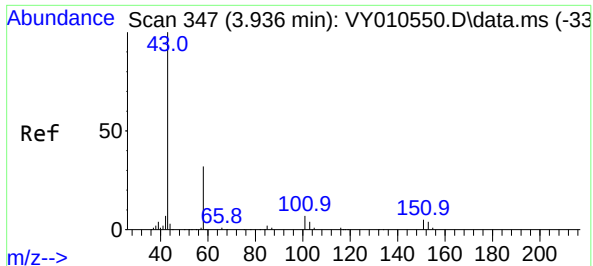
Tgt Ion: 94 Resp: 323  
Ion Ratio Lower Upper  
94 100  
96 98.3 73.5 110.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 510  
Delta R.T. -0.012 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 59 Resp: 609  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

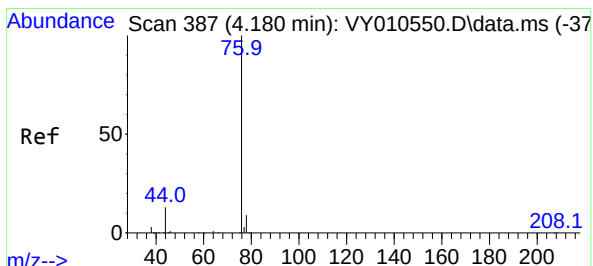
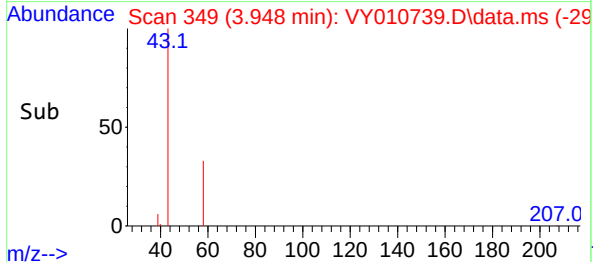
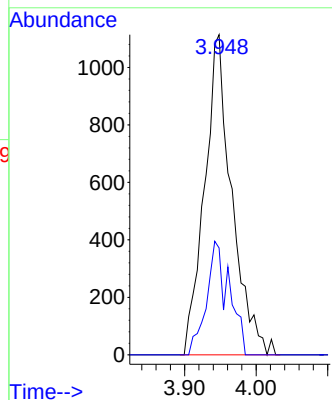
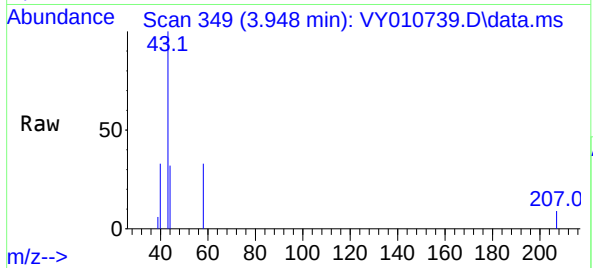




#16  
Acetone  
Concen: 6.031 ug/l  
RT: 3.948 min Scan# 347  
Delta R.T. 0.012 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

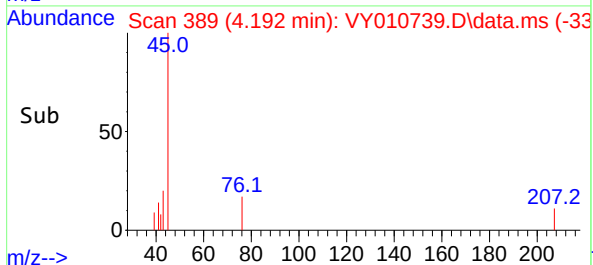
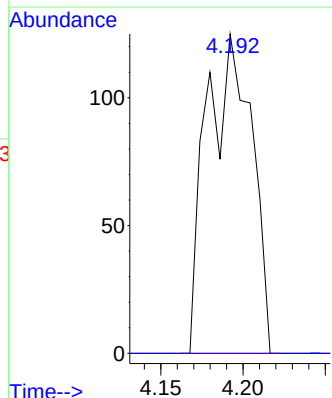
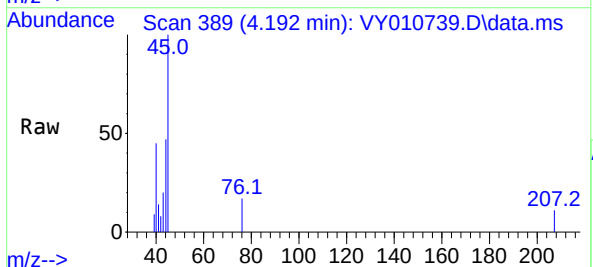
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

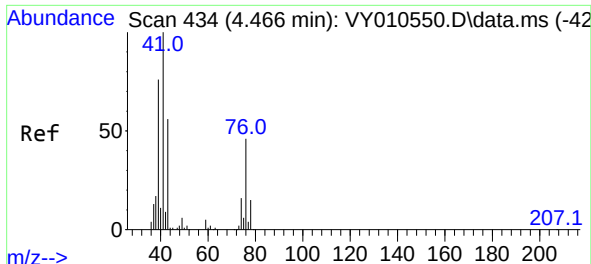
Tgt Ion: 43 Resp: 2955  
Ion Ratio Lower Upper  
43 100  
58 33.4 22.0 33.0#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.192 min Scan# 389  
Delta R.T. 0.012 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 76 Resp: 238  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#

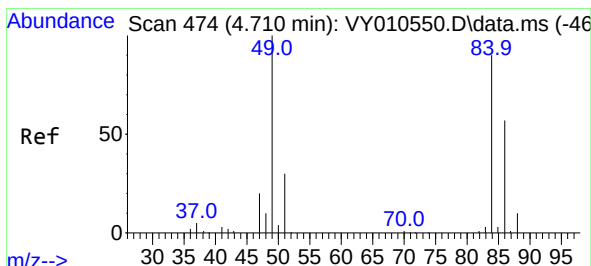
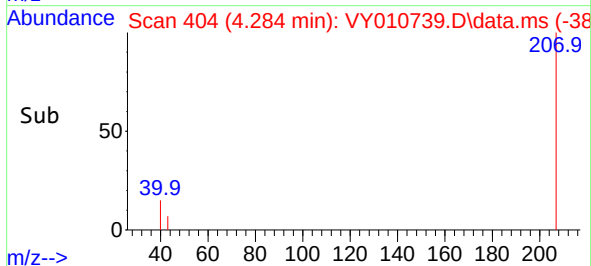
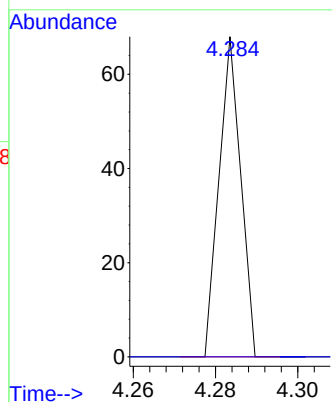
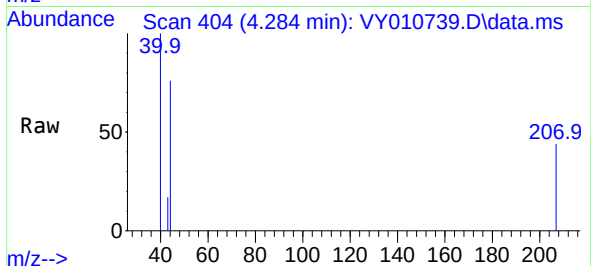




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.284 min Scan# 404  
Delta R.T. -0.182 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

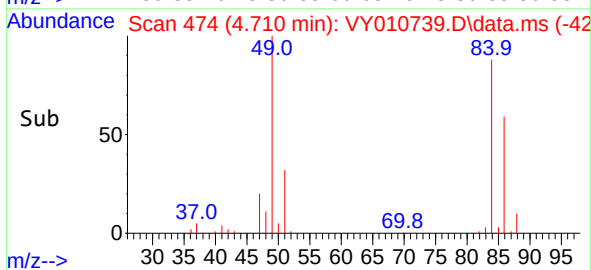
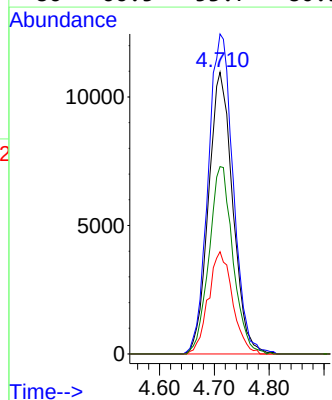
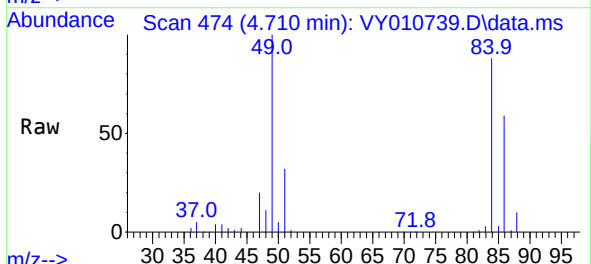
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ClientSampleId :  
CRUSHED-MASONRY-PILE-8

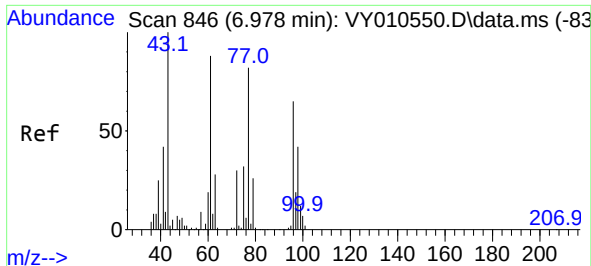
Tgt Ion: 43 Resp: 25  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: 1.338 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 84 Resp: 33589  
Ion Ratio Lower Upper  
84 100  
49 113.6 114.4 171.6#  
51 36.3 35.3 52.9  
86 66.5 53.7 80.5





#25

2-Butanone

Concen: 4.841 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010739.D

Acq: 29 Sep 2022 18:15

Instrument :

MSVOA\_Y

ClientSampleId :

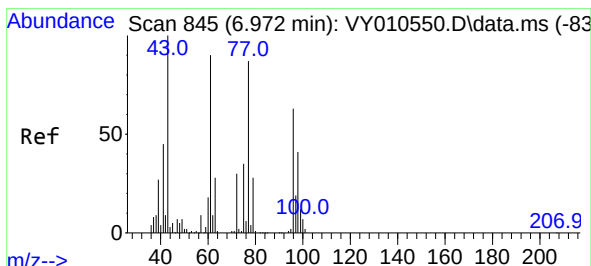
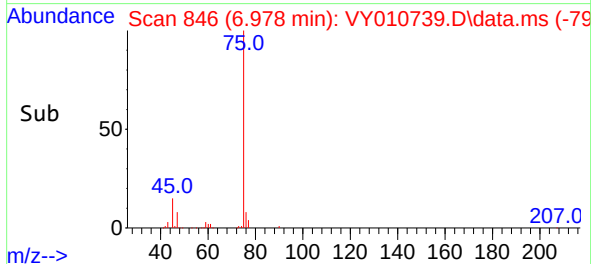
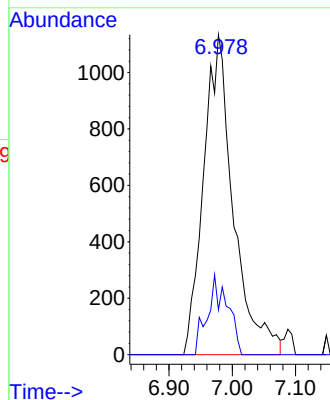
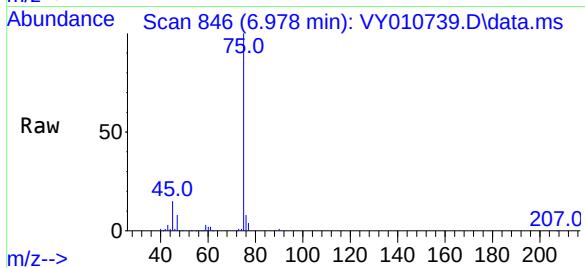
CRUSHED-MASONRY-PILE-8

Tgt Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

72 14.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.284 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010739.D

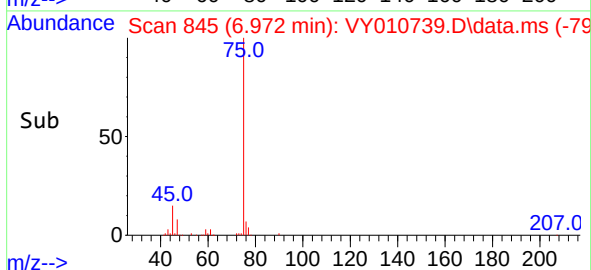
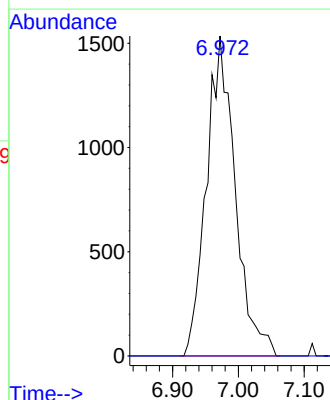
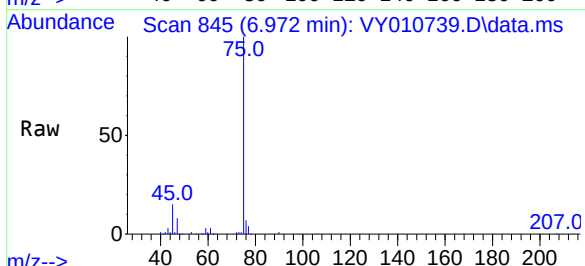
Acq: 29 Sep 2022 18:15

Tgt Ion: 77 Resp: 4677

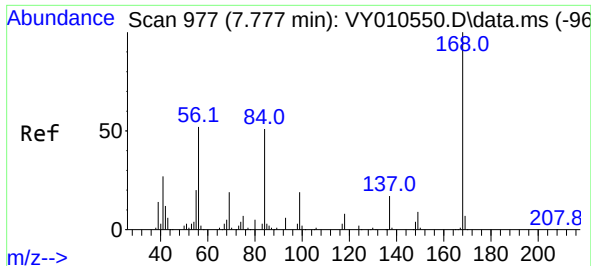
Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



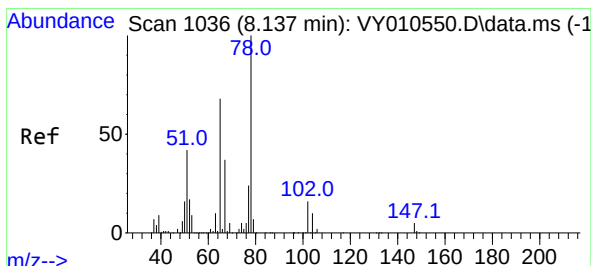
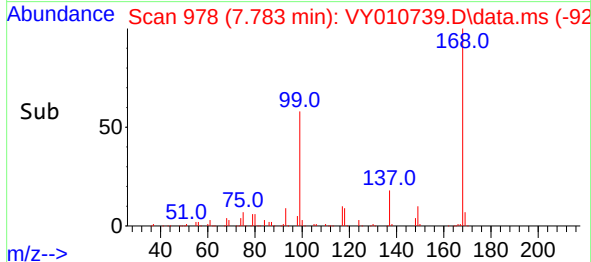
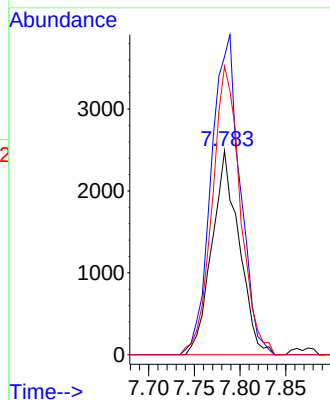
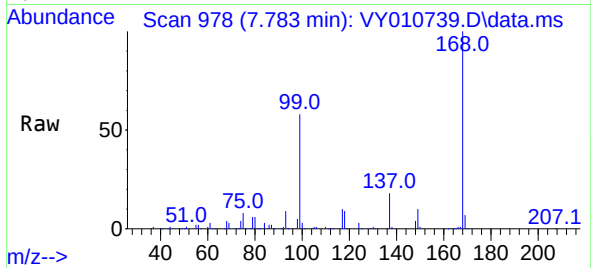




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

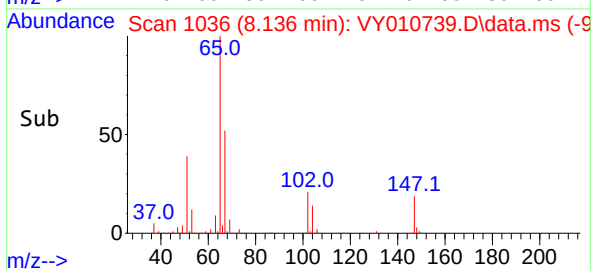
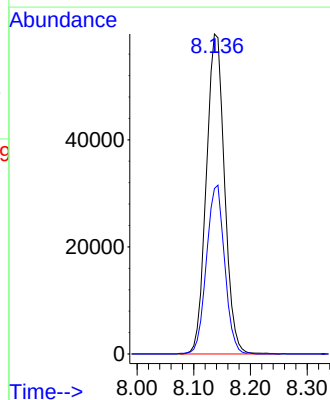
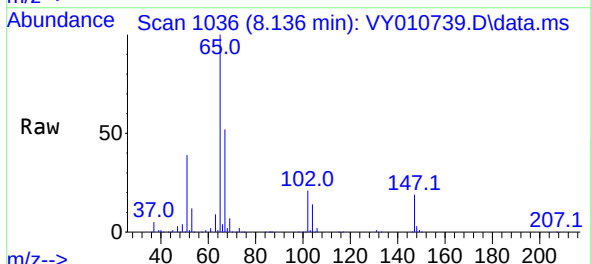
Instrument :  
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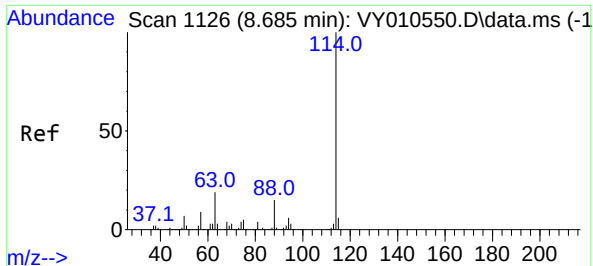
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Ion Ratio Lower Upper  
56 100  
69 146.0 26.7 40.1#  
84 141.3 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 55.480 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 65 Resp: 133303  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010739.D

Acq: 29 Sep 2022 18:15

Instrument :

MSVOA\_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-8

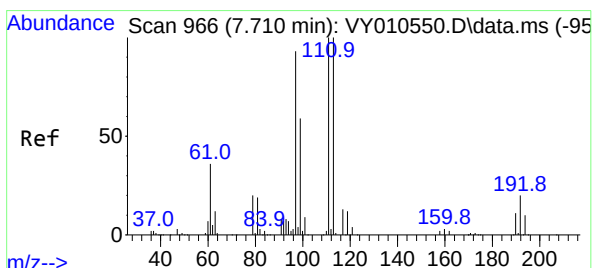
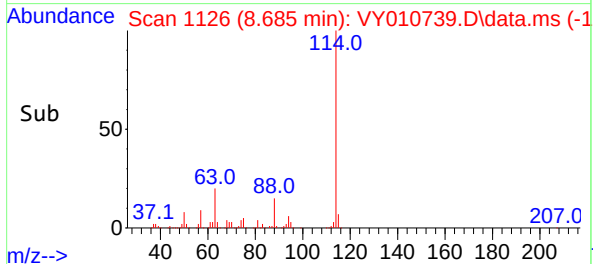
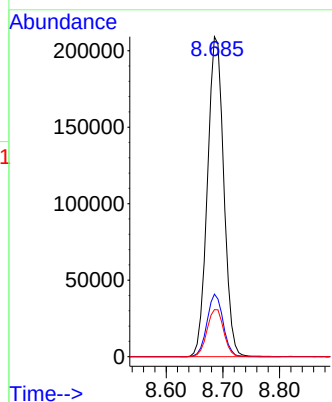
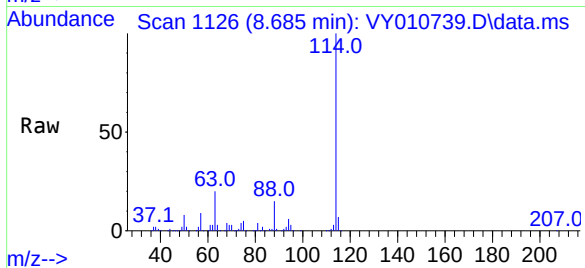
Tgt Ion:114 Resp: 417692

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 32.929 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010739.D

Acq: 29 Sep 2022 18:15

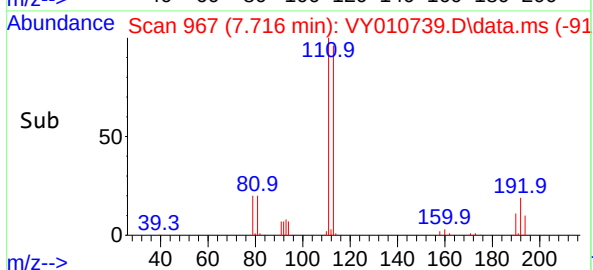
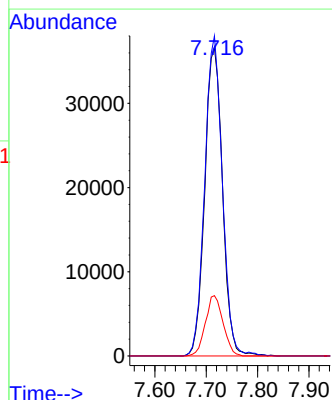
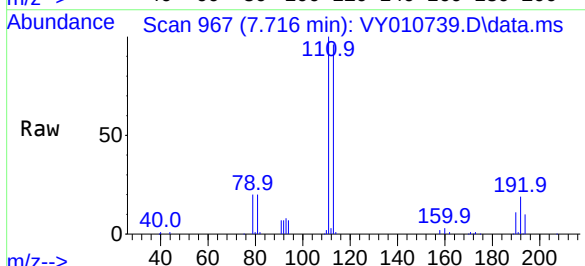
Tgt Ion:113 Resp: 87778

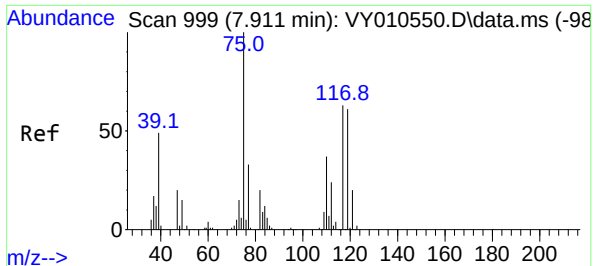
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.581 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010739.D

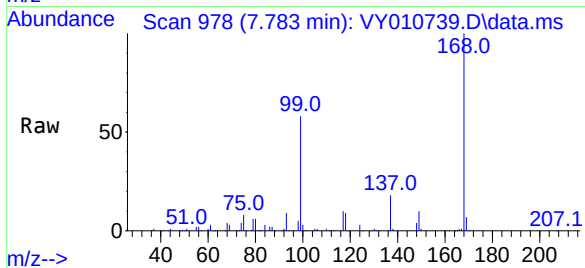
Acq: 29 Sep 2022 18:15

Instrument :

MSVOA\_Y

ClientSampleId :

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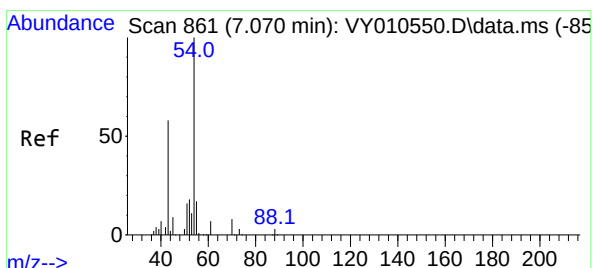
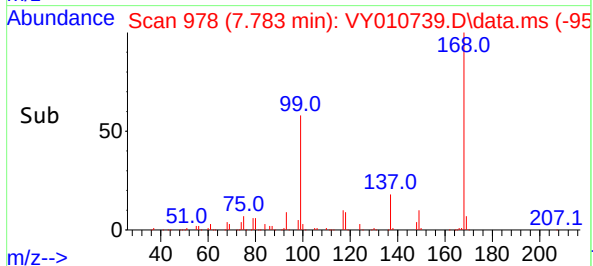
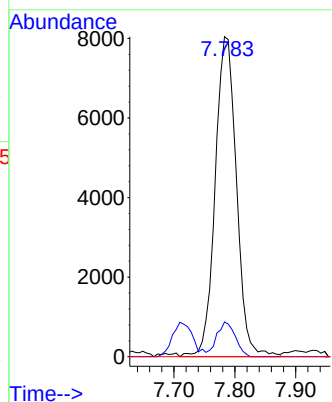
Tgt Ion: 75 Resp: 19548

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.163 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY010739.D

Acq: 29 Sep 2022 18:15

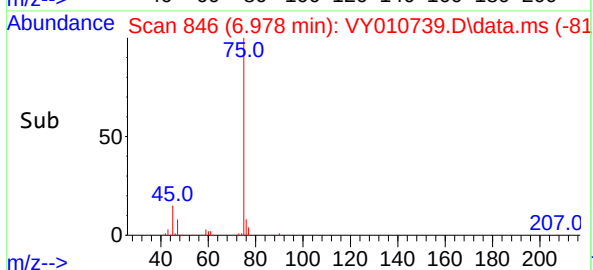
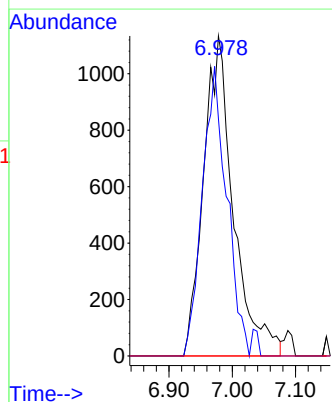
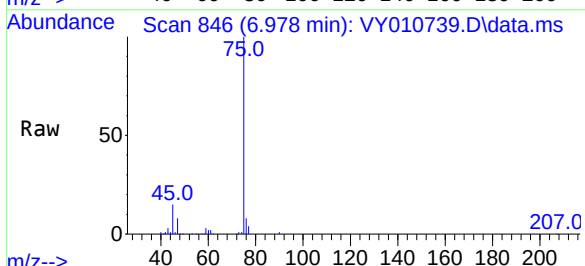
Tgt Ion: 43 Resp: 3710

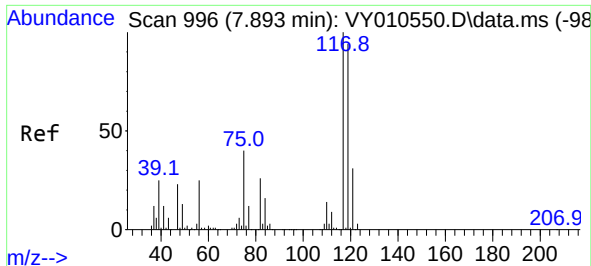
Ion Ratio Lower Upper

43 100

61 74.3 9.7 14.5#

70 0.0 7.1 10.7#

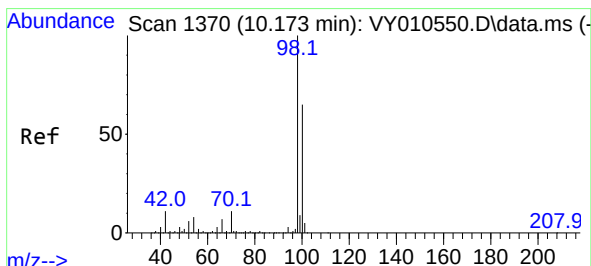
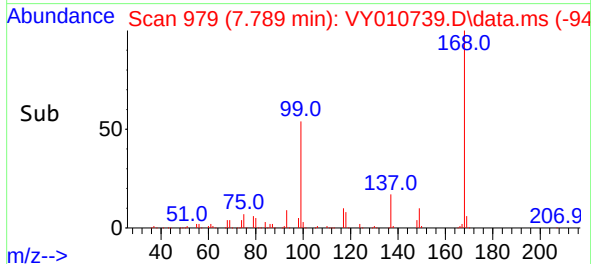
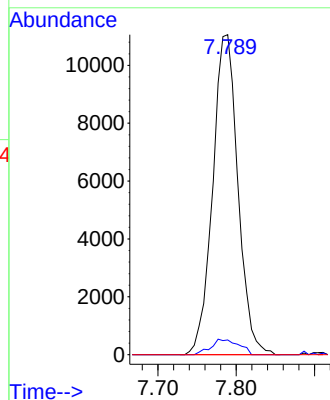
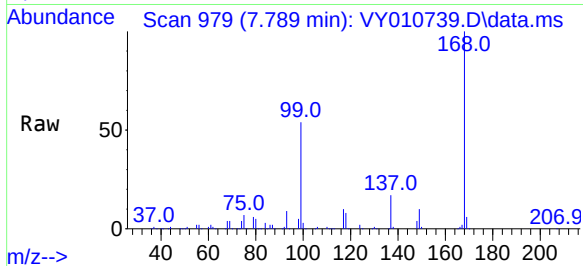




#38  
Carbon Tetrachloride  
Concen: 7.261 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

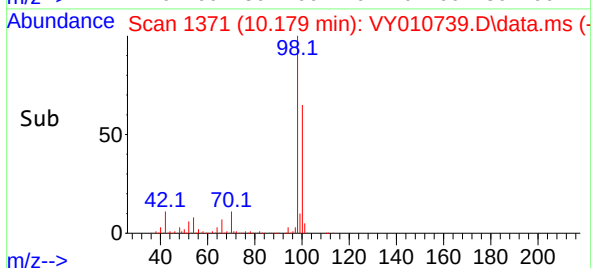
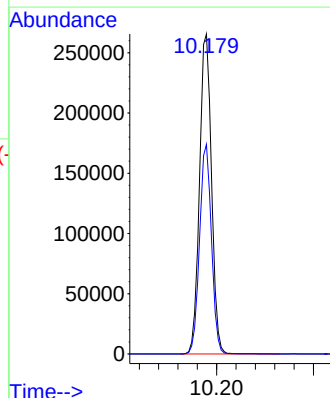
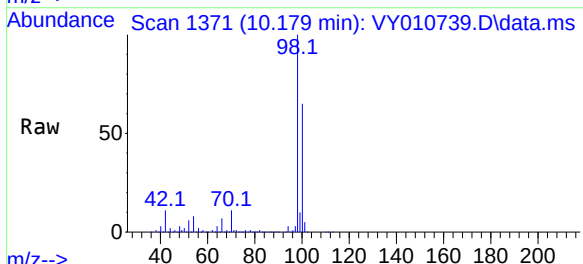
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

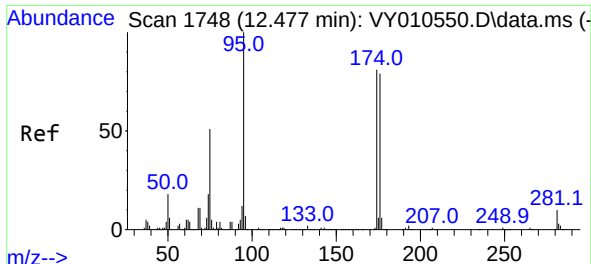
Tgt Ion:117 Resp: 24797  
Ion Ratio Lower Upper  
117 100  
119 4.6 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 46.481 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 98 Resp: 455614  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2

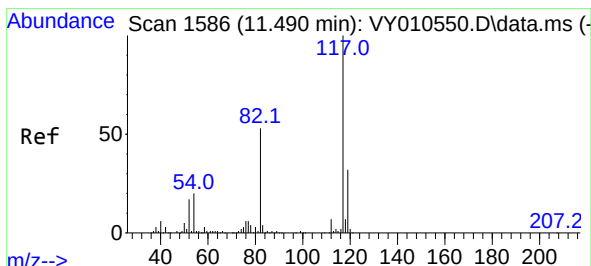
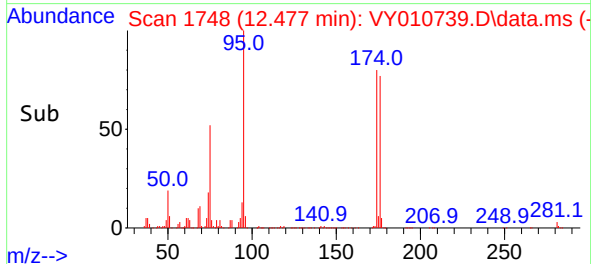
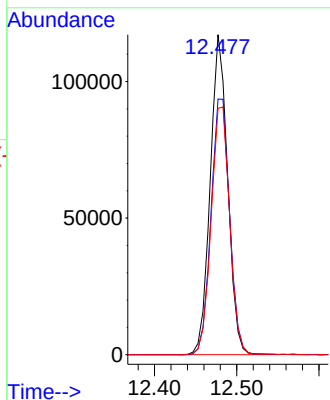
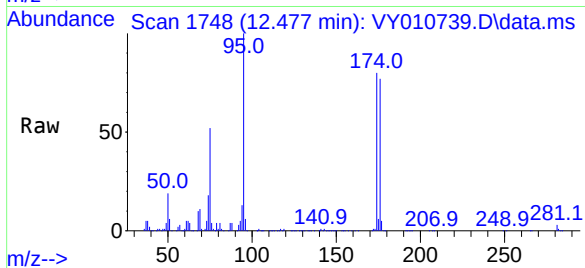




#62  
4-Bromofluorobenzene  
Concen: 47.019 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

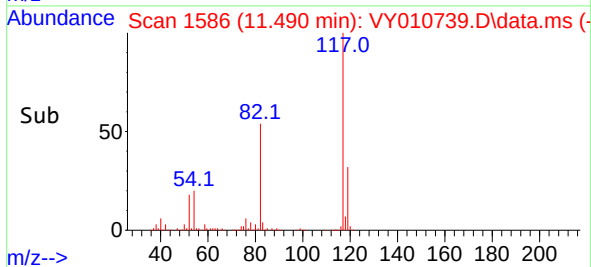
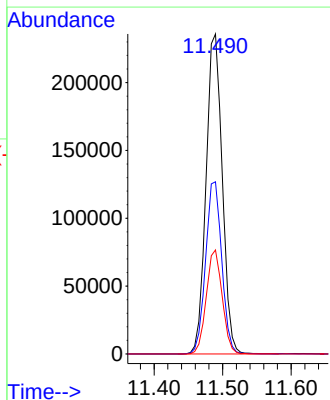
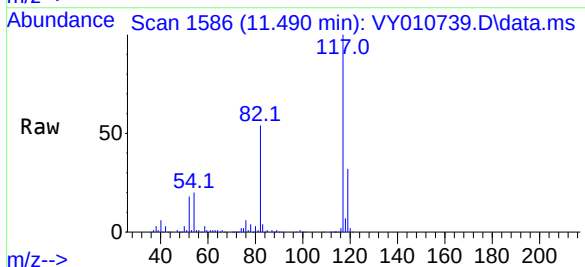
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

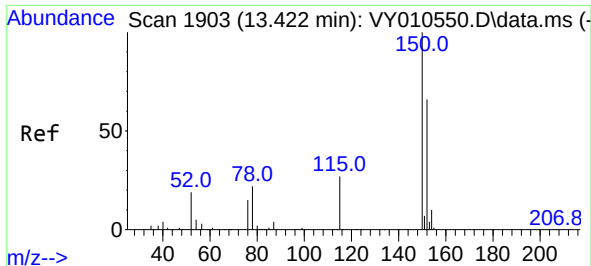
Tgt Ion: 95 Resp: 172504  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 177.0  
176 82.4 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 117 Resp: 388744  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.0 64.4  
119 32.5 25.4 38.0

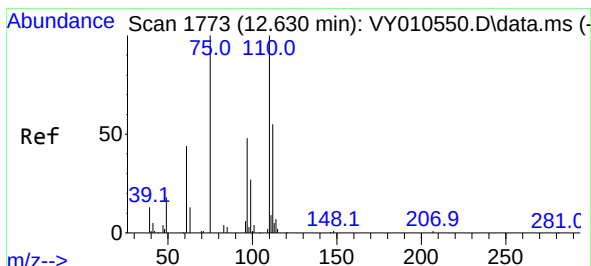
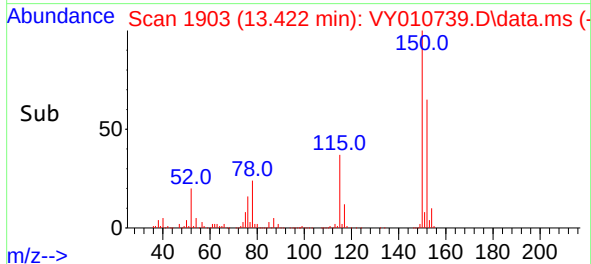
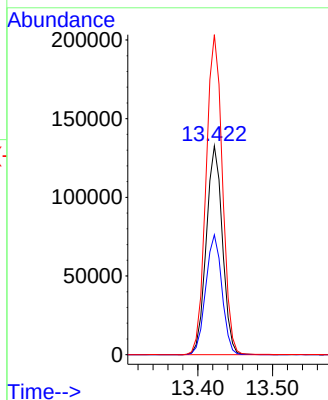
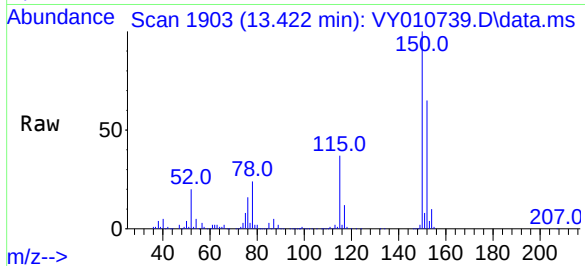




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

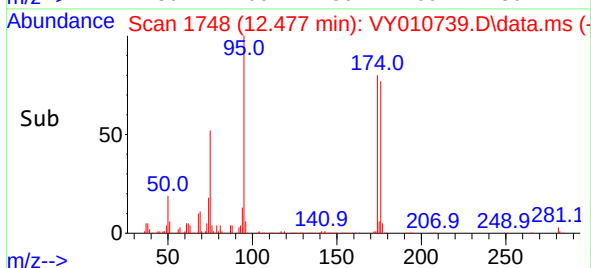
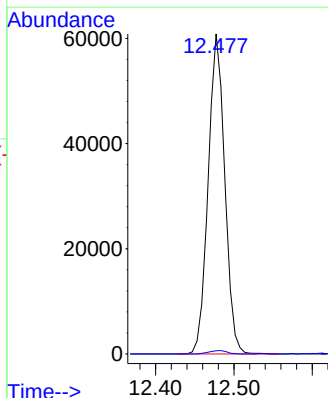
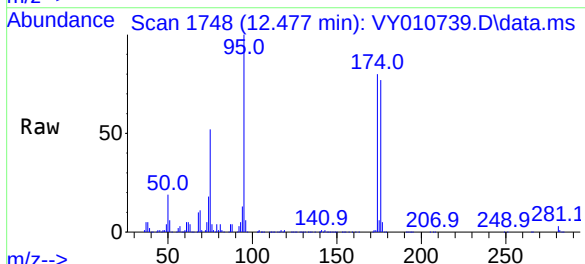
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

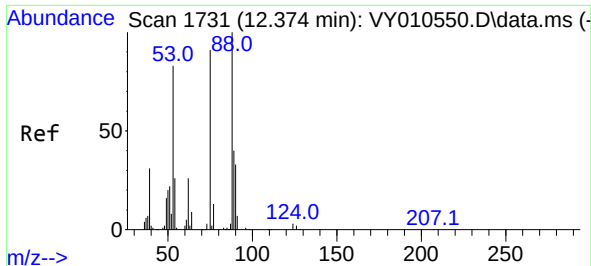
Tgt Ion:152 Resp: 199165  
Ion Ratio Lower Upper  
152 100  
115 57.6 28.2 84.7  
150 155.5 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 47.076 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Tgt Ion: 75 Resp: 89487  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.671 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY010739.D  
Acq: 29 Sep 2022 18:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

Tgt Ion: 75 Resp: 89487  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

