

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090222\  
 Data File : VY010311.D  
 Acq On : 03 Sep 2022 05:19  
 Operator : KP/MD  
 Sample : N4485-06  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AP-PIPE-2-SOIL

Quant Time: Sep 03 06:14:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 2022  
 Response via : Initial Calibration

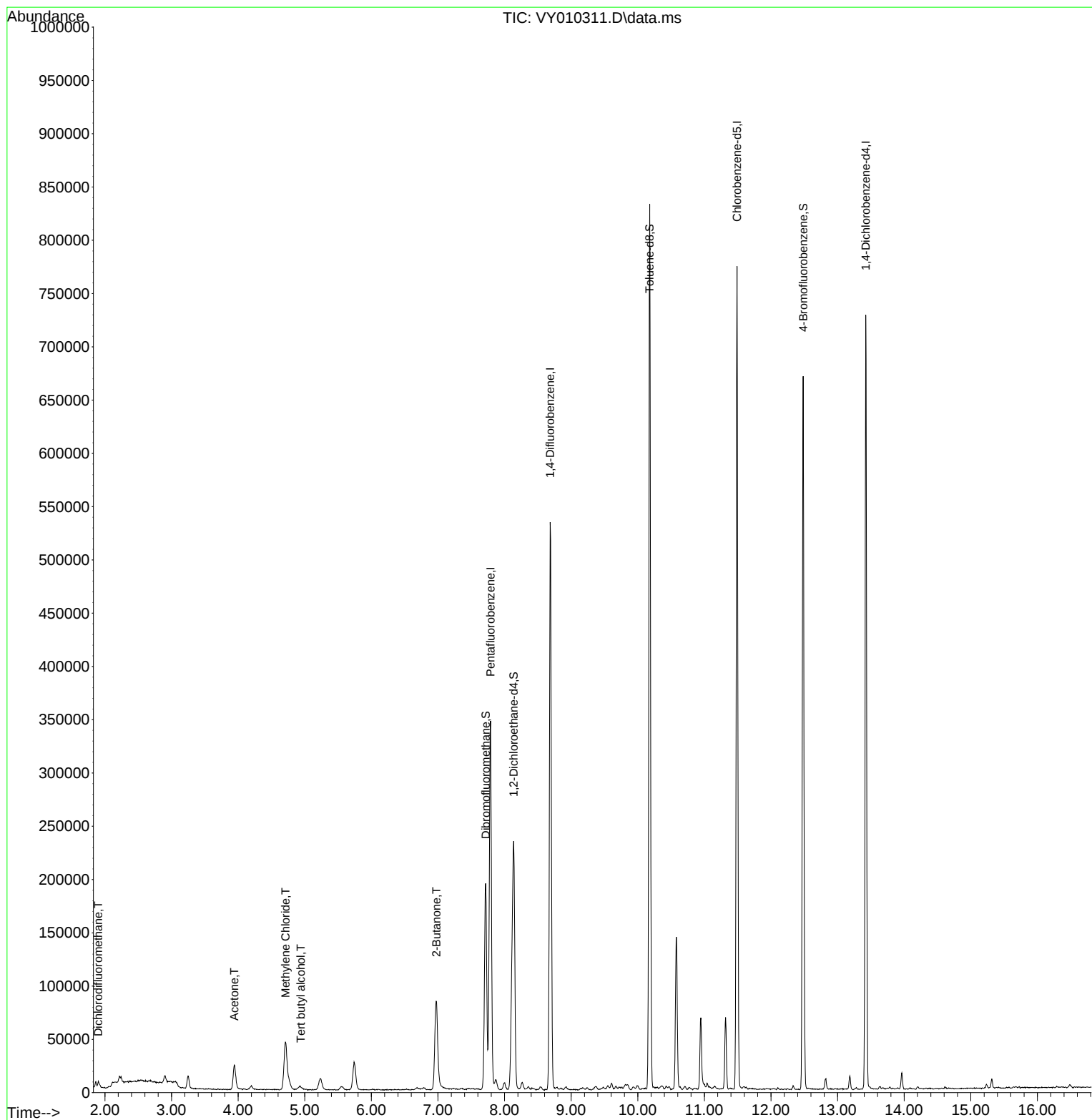
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 271836   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 457855   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 421295   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 189161   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 144344   | 51.785   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 103.560% |          |
| 35) Dibromofluoromethane    | 7.716  | 113   | 138383   | 45.401   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 90.800%  |          |
| 50) Toluene-d8              | 10.179 | 98    | 545789   | 53.483   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 106.960% |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 186047   | 44.876   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 89.760%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane  | 1.900  | 85    | 4074     | 1.877    | ug/l       | 100      |
| 11) Tert butyl alcohol      | 4.942  | 59    | 4165     | 12.490   | ug/l #     | 89       |
| 16) Acetone                 | 3.942  | 43    | 40559    | 58.207   | ug/l       | 93       |
| 20) Methylene Chloride      | 4.710  | 84    | 32215    | 9.580    | ug/l       | 87       |
| 25) 2-Butanone              | 6.978  | 43    | 7095     | 6.204    | ug/l       | 96       |
| -----                       |        |       |          |          |            |          |

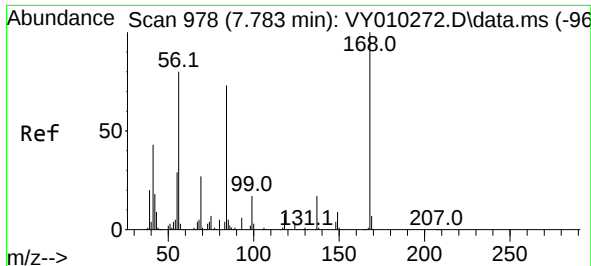
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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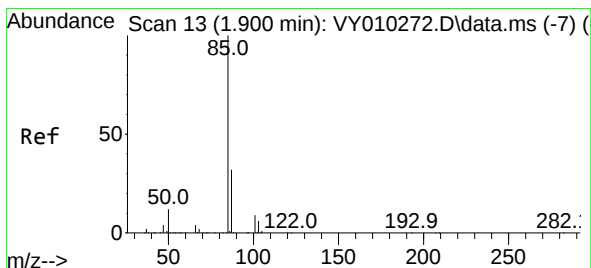
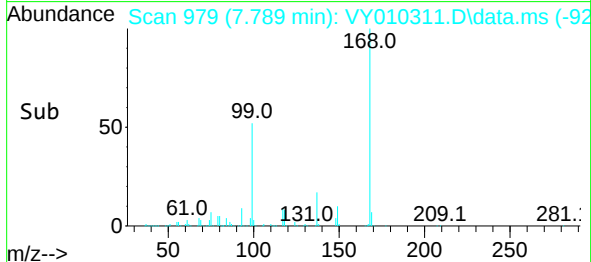
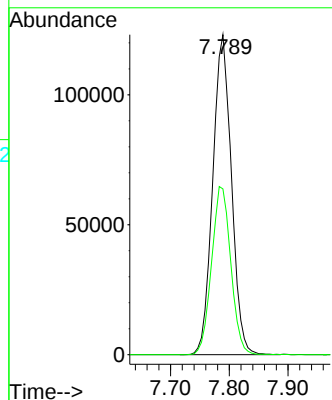
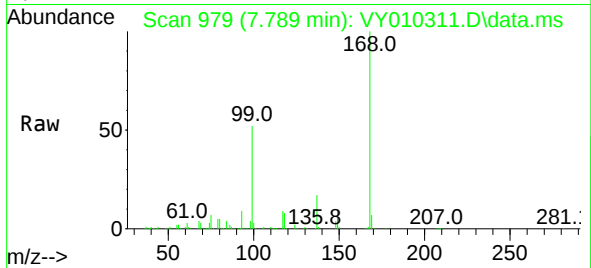




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

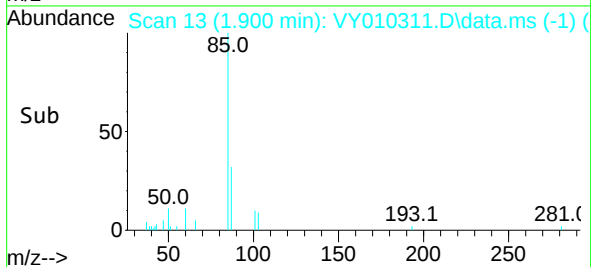
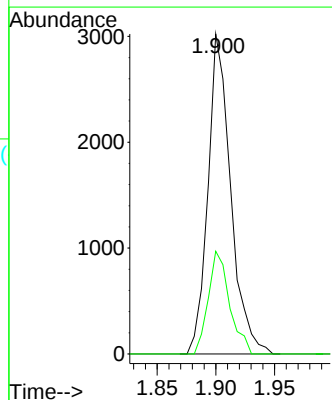
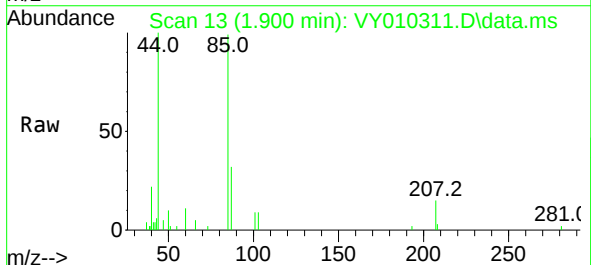
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AP-PIPE-2-SOIL

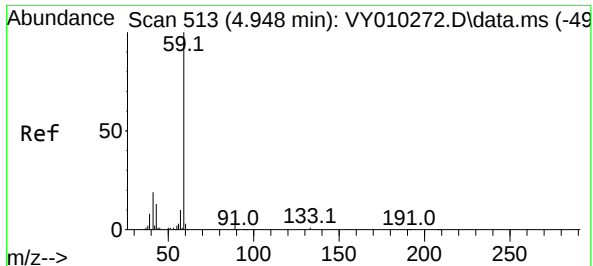
Tgt Ion:168 Resp: 271836  
Ion Ratio Lower Upper  
168 100  
99 51.8 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 1.877 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

Tgt Ion: 85 Resp: 4074  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.1 48.2





#11

Tert butyl alcohol

Concen: 12.490 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA\_Y

ClientSampleId :

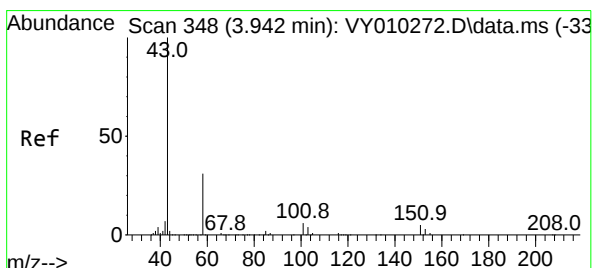
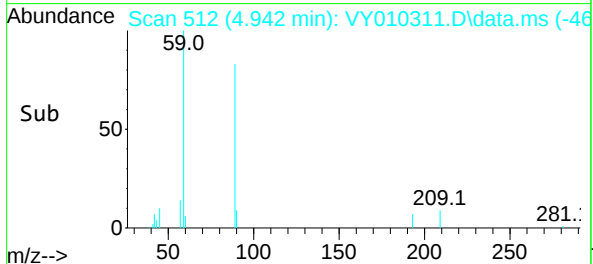
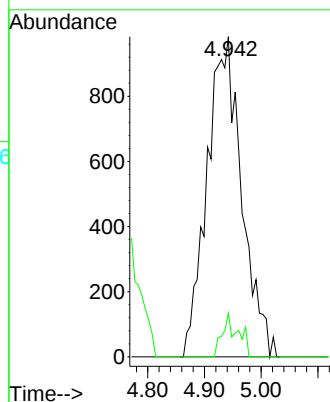
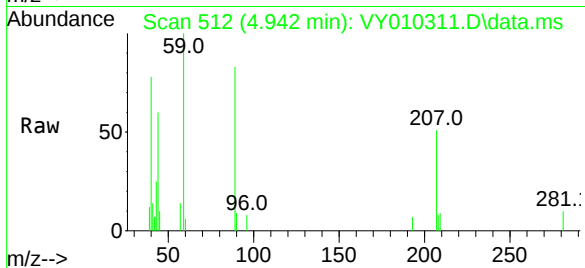
AP-PIPE-2-SOIL

Tgt Ion: 59 Resp: 4165

Ion Ratio Lower Upper

59 100

57 4.1 6.4 9.6#



#16

Acetone

Concen: 58.207 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010311.D

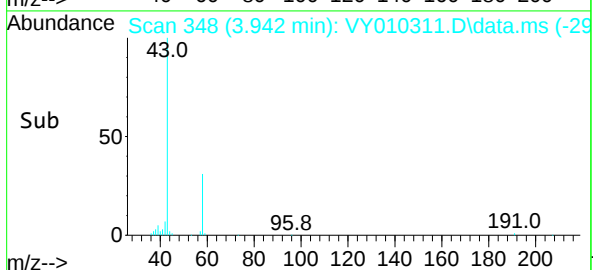
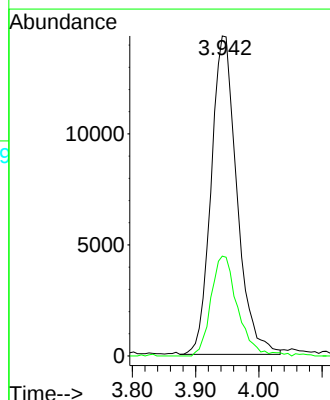
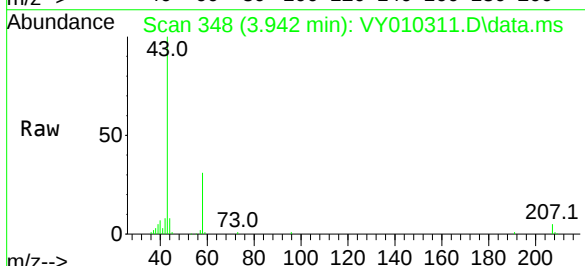
Acq: 03 Sep 2022 05:19

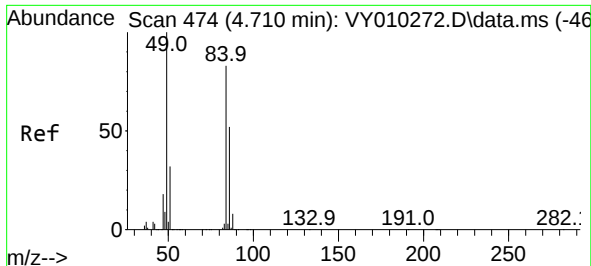
Tgt Ion: 43 Resp: 40559

Ion Ratio Lower Upper

43 100

58 31.4 22.0 33.0



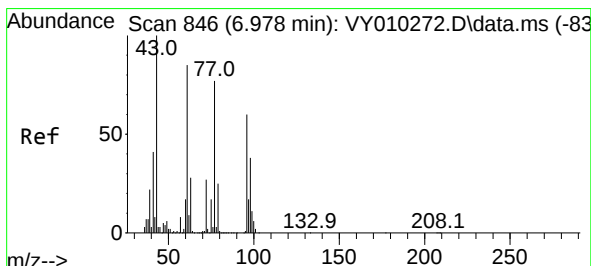
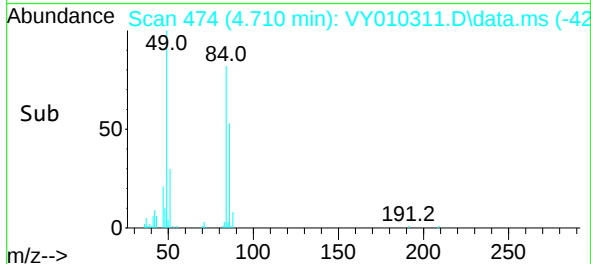
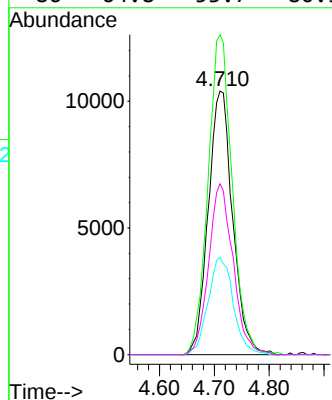
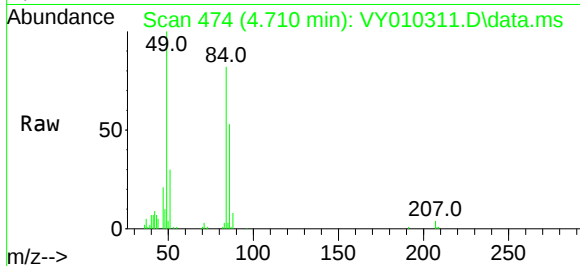


#20  
Methylene Chloride  
Concen: 9.580 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AP-PIPE-2-SOIL

Tgt Ion: 84 Resp: 32215

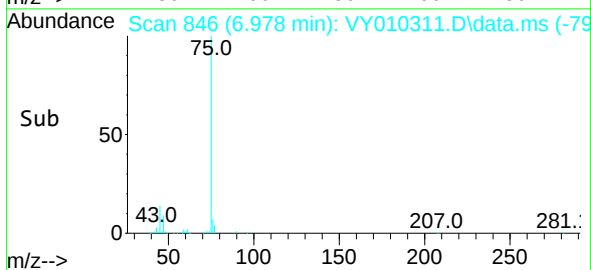
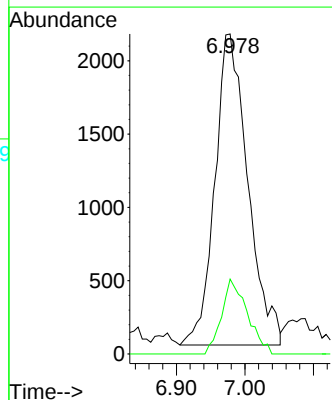
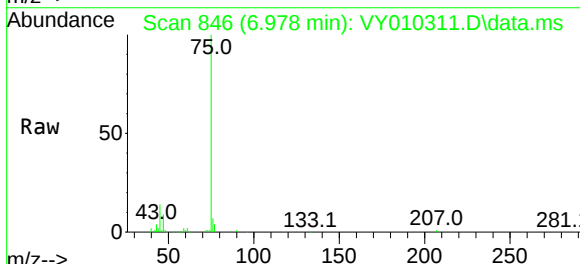
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 121.4 | 114.4 | 171.6 |
| 51  | 37.0  | 35.3  | 52.9  |
| 86  | 64.8  | 53.7  | 80.5  |

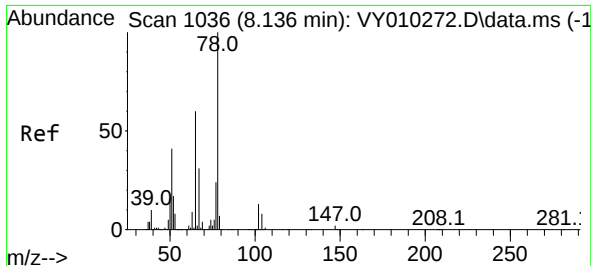


#25  
2-Butanone  
Concen: 6.204 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

Tgt Ion: 43 Resp: 7095

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 24.1  | 17.7  | 26.5  |





#33

1,2-Dichloroethane-d4

Concen: 51.785 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010311.D

Acq: 03 Sep 2022 05:19

Instrument :

MSVOA\_Y

ClientSampleId :

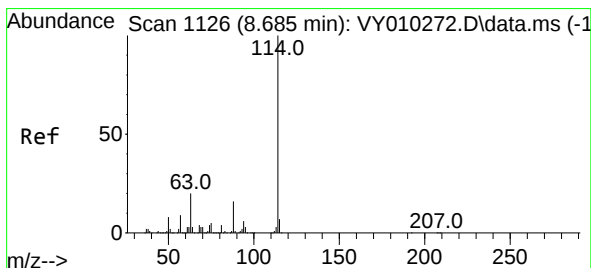
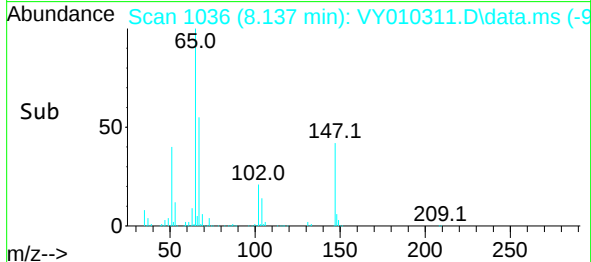
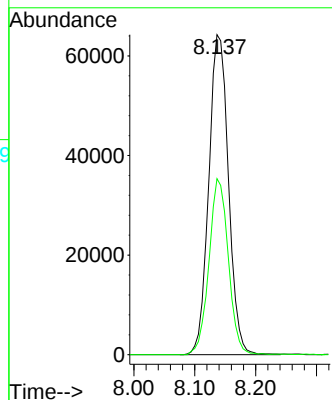
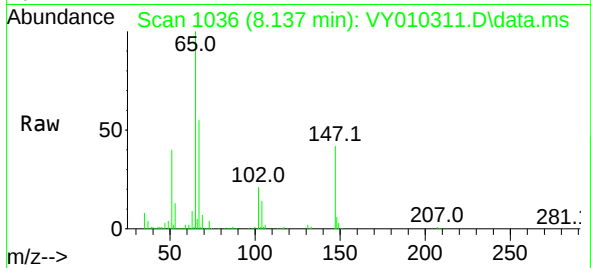
AP-PIPE-2-SOIL

Tgt Ion: 65 Resp: 144344

Ion Ratio Lower Upper

65 100

67 54.1 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: VY010311.D

Acq: 03 Sep 2022 05:19

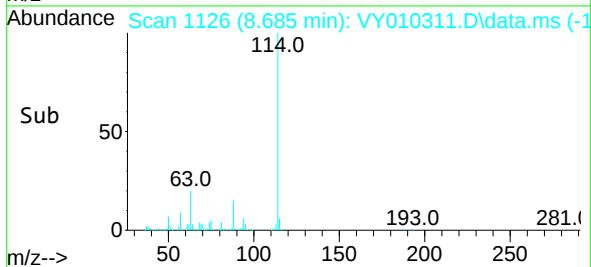
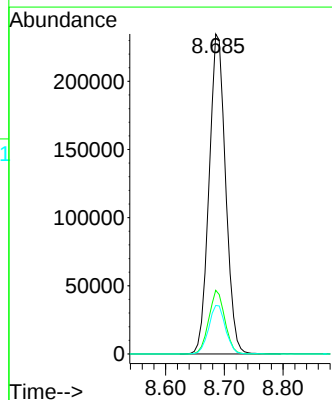
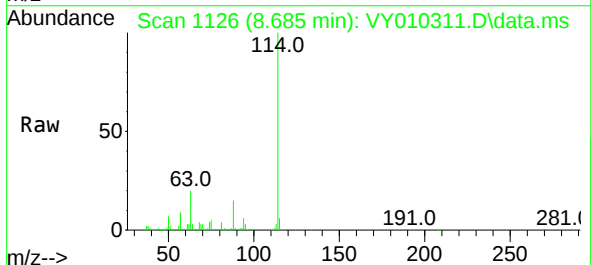
Tgt Ion: 114 Resp: 457855

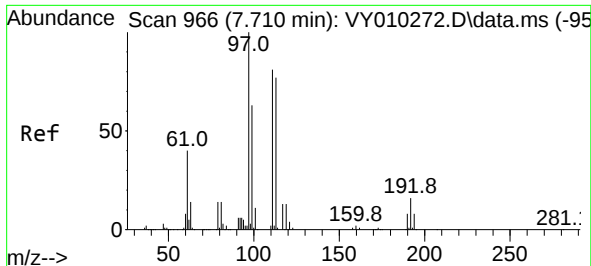
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.1 0.0 31.8

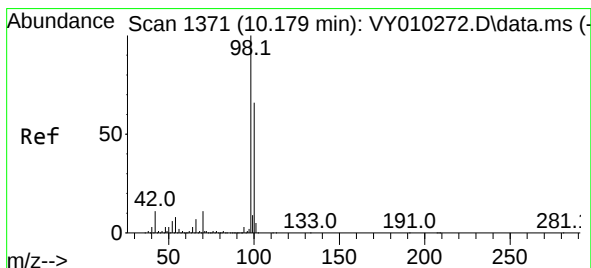
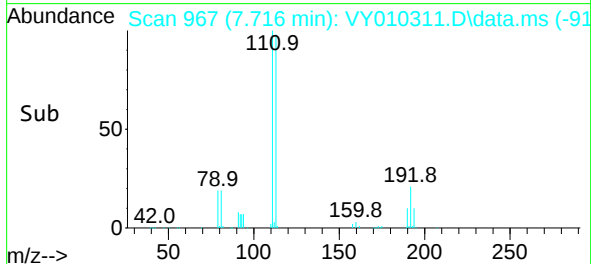
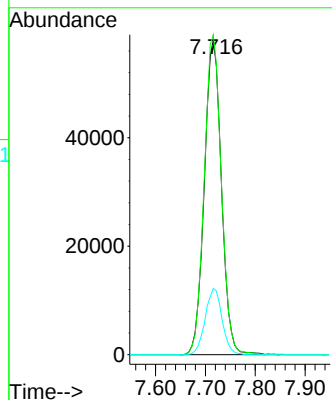
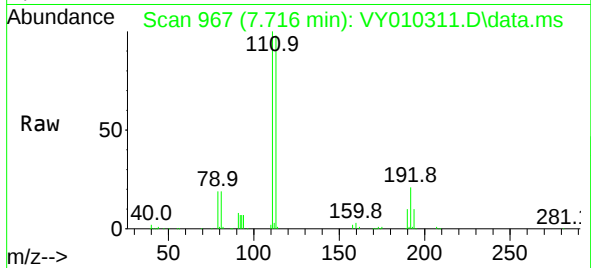




#35  
Dibromofluoromethane  
Concen: 45.401 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

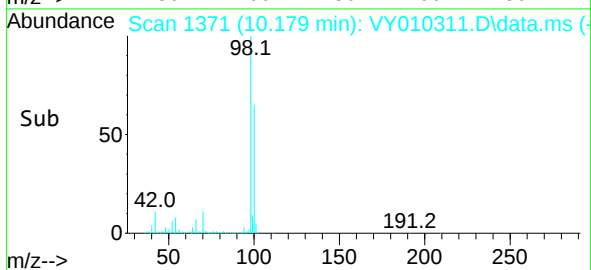
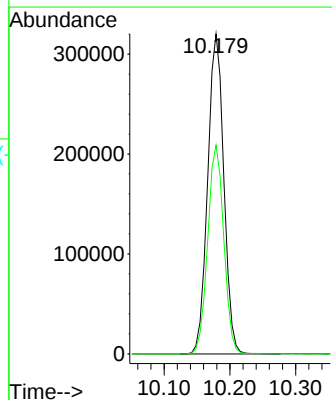
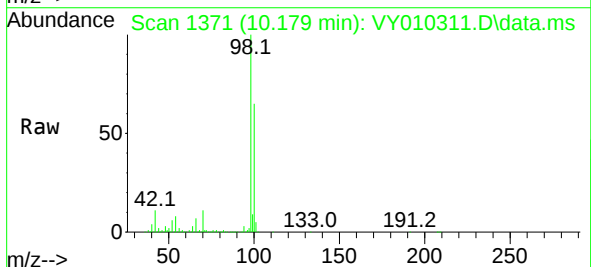
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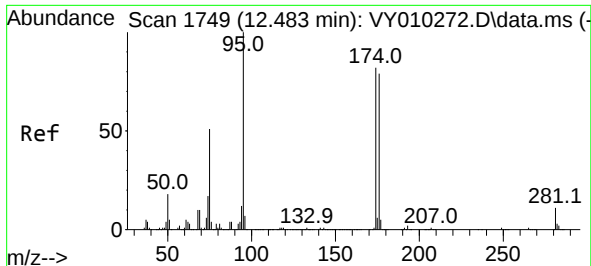
Tgt Ion:113 Resp: 138383  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.6 124.0  
192 20.7 17.6 26.4



#50  
Toluene-d8  
Concen: 53.483 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

Tgt Ion: 98 Resp: 545789  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2

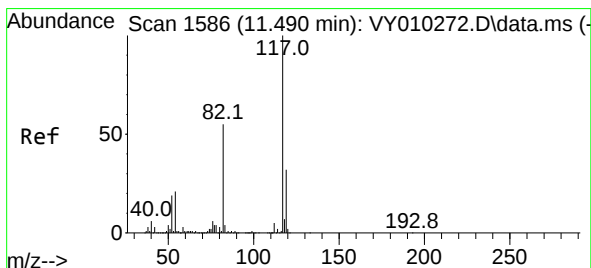
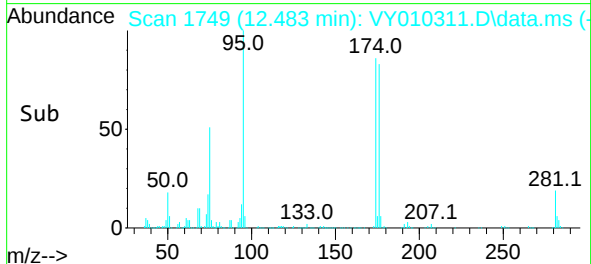
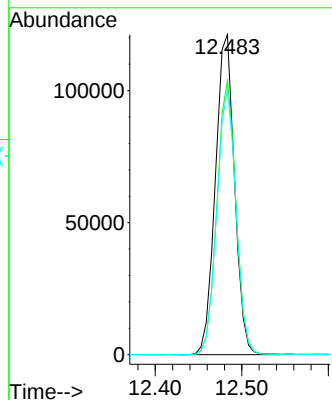
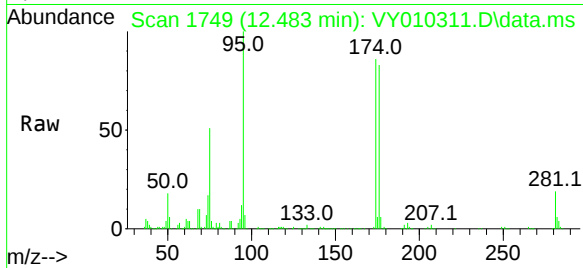




#62  
4-Bromofluorobenzene  
Concen: 44.876 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

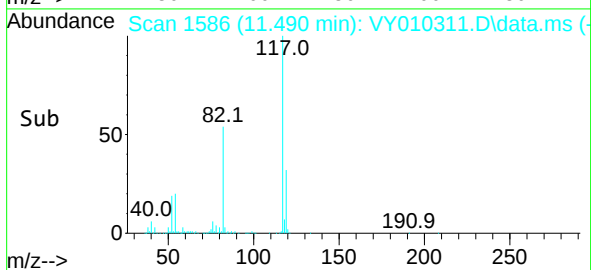
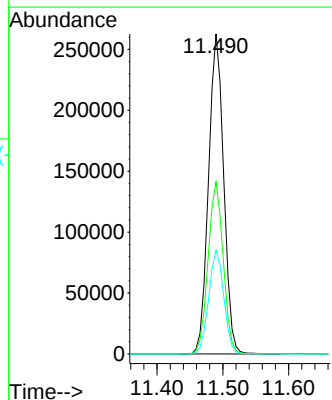
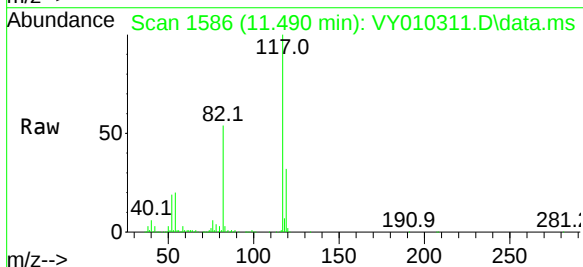
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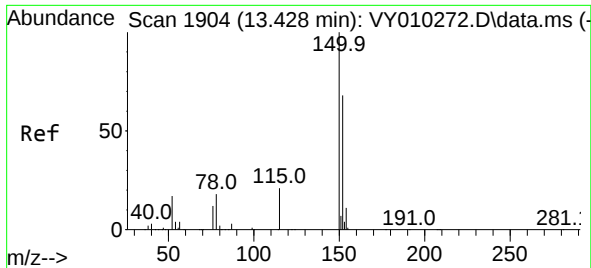
Tgt Ion: 95 Resp: 186047  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 177.0  
176 82.9 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010311.D  
Acq: 03 Sep 2022 05:19

Tgt Ion: 117 Resp: 421295  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.0 64.4  
119 32.4 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.006 min  
 Lab File: VY010311.D  
 Acq: 03 Sep 2022 05:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AP-PIPE-2-SOIL

Tgt Ion:152 Resp: 189161  
 Ion Ratio Lower Upper  
 152 100  
 115 58.1 28.2 84.7  
 150 157.0 0.0 347.6

