

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY033022\  
 Data File : VY008119.D  
 Acq On : 30 Mar 2022 18:49  
 Operator : SY/MD  
 Sample : N2149-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PILE-LINDEN-SWITCH

Quant Time: Mar 31 05:02:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 2022  
 Response via : Initial Calibration

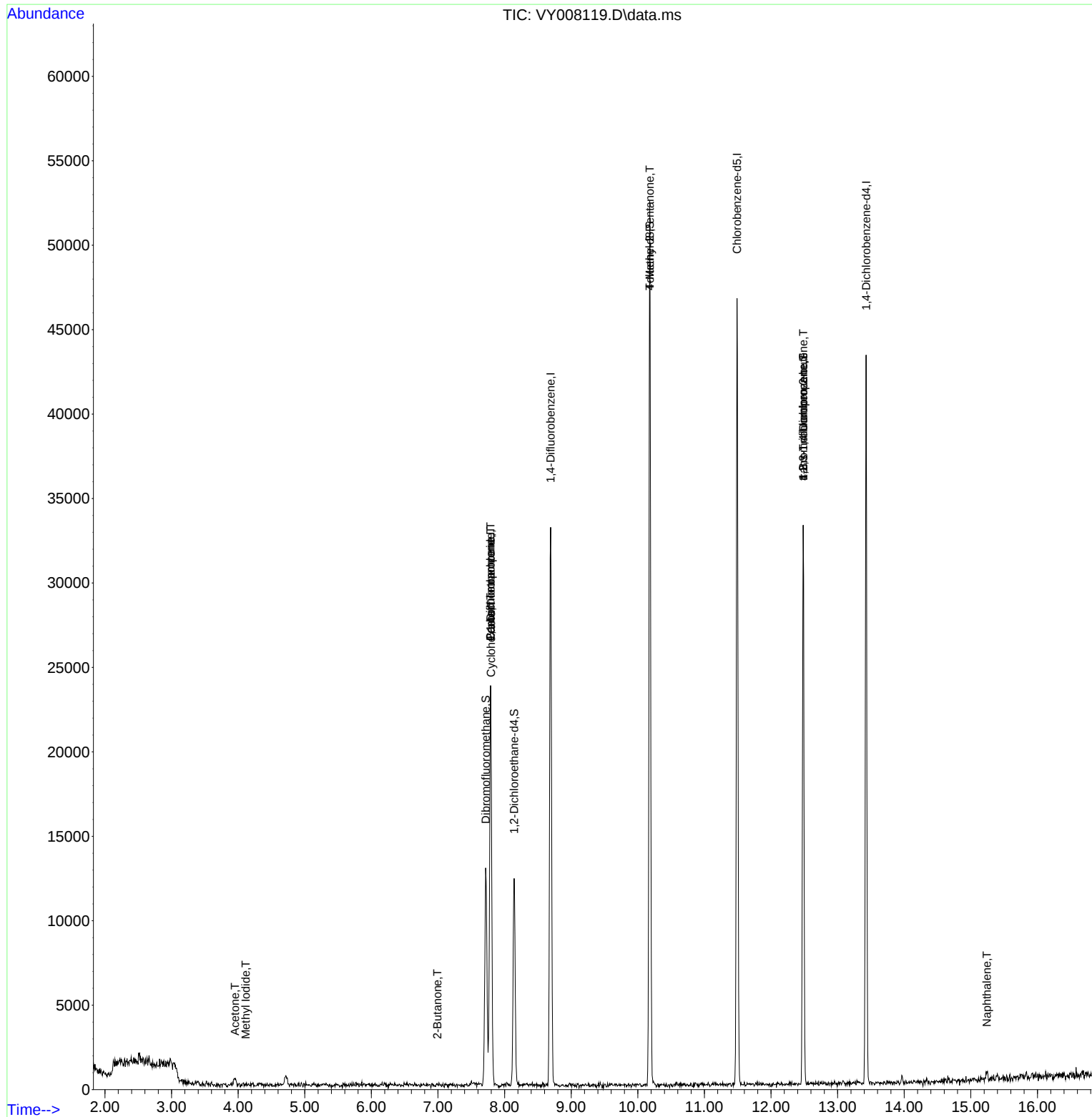
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 17885    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 30566    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 27083    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 10467    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 9604     | 53.522    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 107.040% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 9274     | 48.393    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 96.780%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 35401    | 49.031    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 98.060%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 10888    | 42.744    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 85.480%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 10) Methyl Iodide             | 4.113  | 142   | 30       | 1.818     | ug/l #     | 35       |
| 16) Acetone                   | 3.954  | 43    | 658      | 16.043    | ug/l       | 98       |
| 20) Methylene Chloride        | 4.704  | 84    | 244      | Below Cal | #          | 66       |
| 25) 2-Butanone                | 6.990  | 43    | 70       | 1.122     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.795  | 56    | 364      | 1.085     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 1408     | 4.677     | ug/l #     | 42       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 1856     | 5.658     | ug/l #     | 11       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 155      | 1.113     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 6032     | 47.275    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 6032     | 105.478   | ug/l #     | 7        |
| 95) Naphthalene               | 15.239 | 128   | 762      | 1.664     | ug/l #     | 82       |
| -----                         |        |       |          |           |            |          |

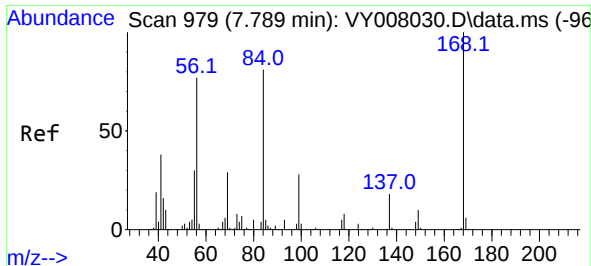
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY033022\  
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Sample : N2149-01  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PILE-LINDEN-SWITCH

Quant Time: Mar 31 05:02:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 26 03:24:51 2022  
Response via : Initial Calibration

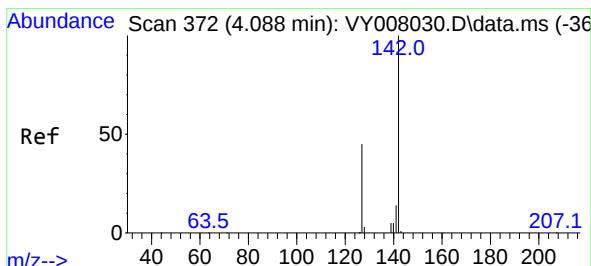
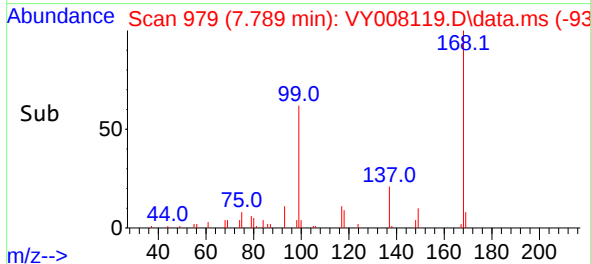
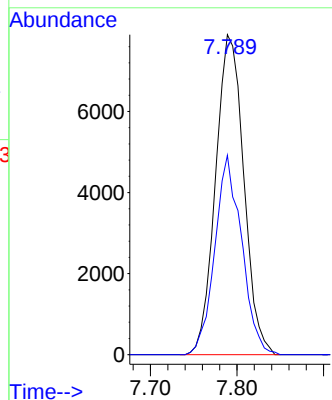
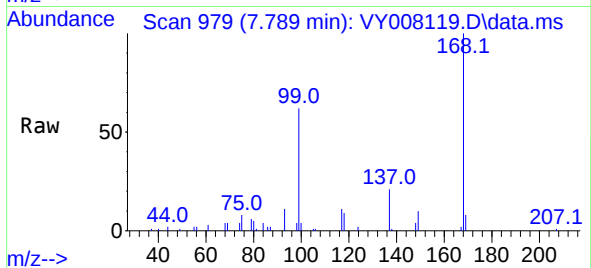




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

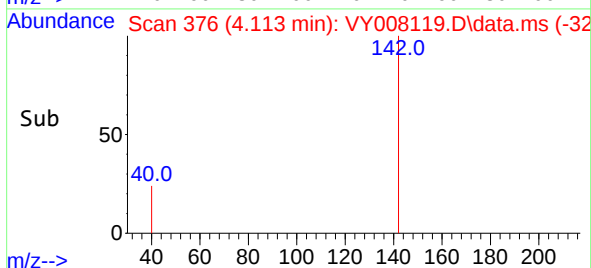
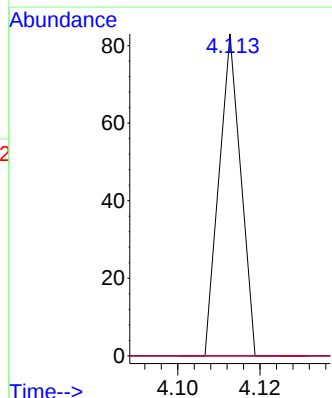
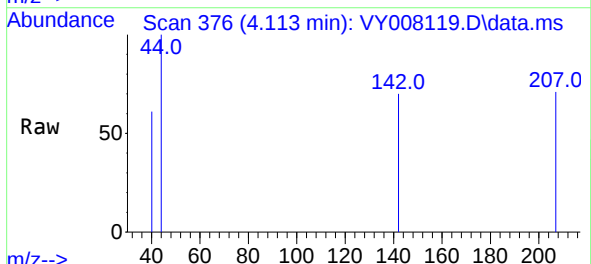
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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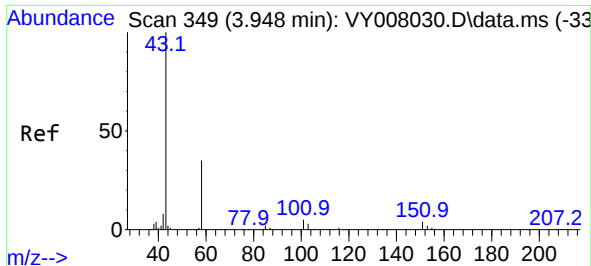
Tgt Ion:168 Resp: 17885  
Ion Ratio Lower Upper  
168 100  
99 62.3 46.9 70.3



#10  
Methyl Iodide  
Concen: 1.818 ug/l  
RT: 4.113 min Scan# 376  
Delta R.T. 0.025 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion:142 Resp: 30  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

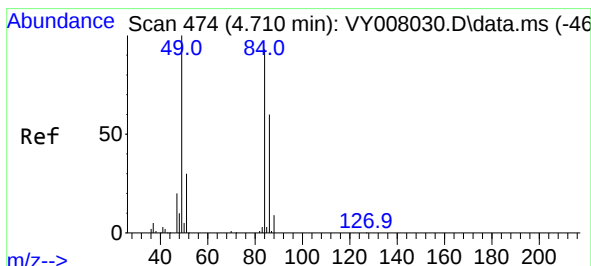
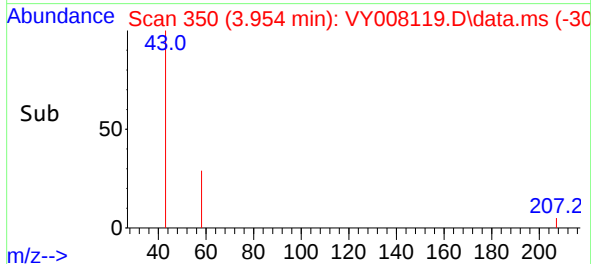
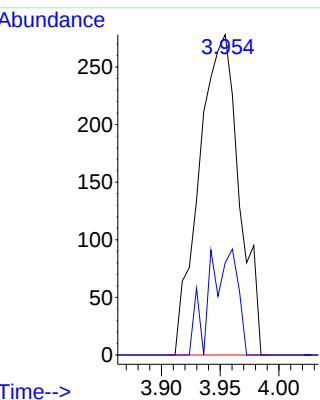
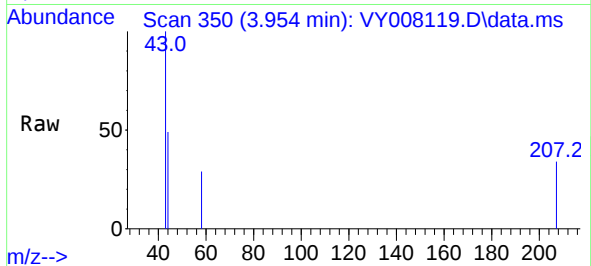




#16  
Acetone  
Concen: 16.043 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

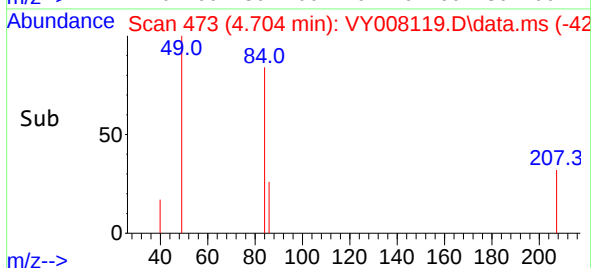
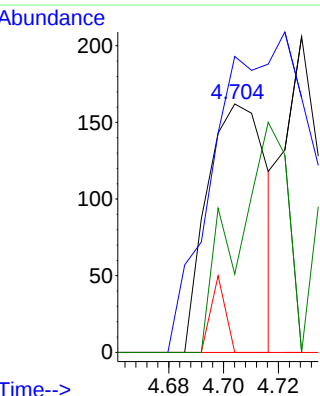
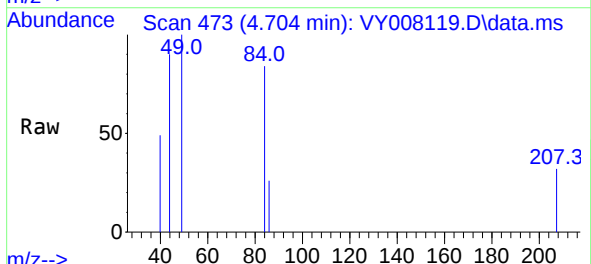
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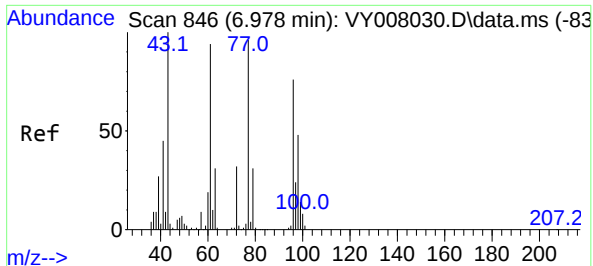
Tgt Ion: 43 Resp: 658  
Ion Ratio Lower Upper  
43 100  
58 28.8 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion: 84 Resp: 244  
Ion Ratio Lower Upper  
84 100  
49 119.1 114.4 171.6  
51 0.0 35.3 52.9#  
86 31.5 53.7 80.5#

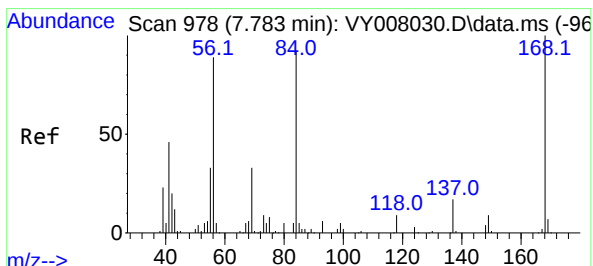
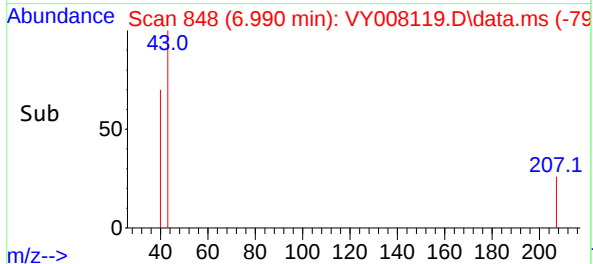
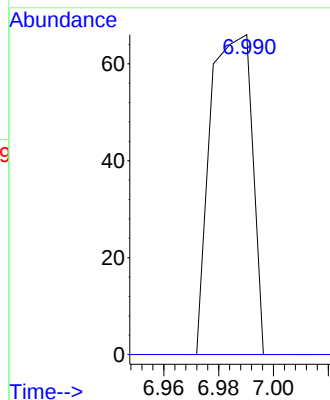
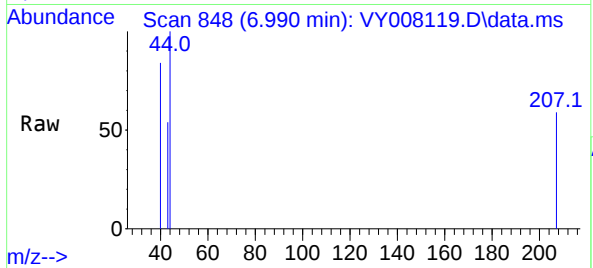




#25  
2-Butanone  
Concen: 1.122 ug/l  
RT: 6.990 min Scan# 84  
Delta R.T. 0.012 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

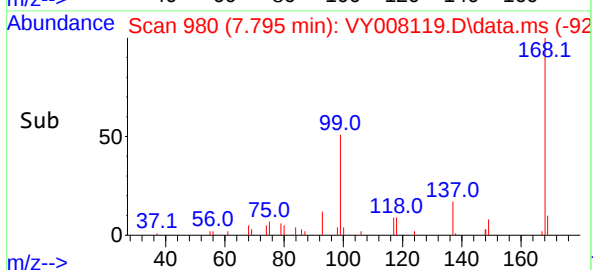
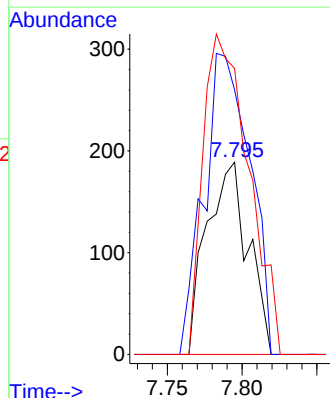
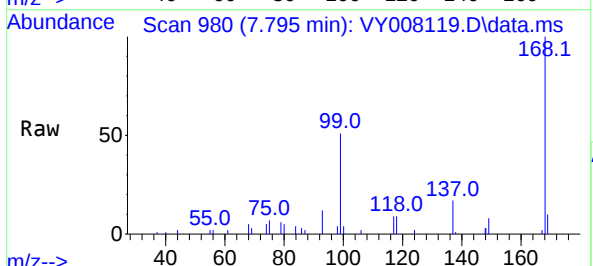
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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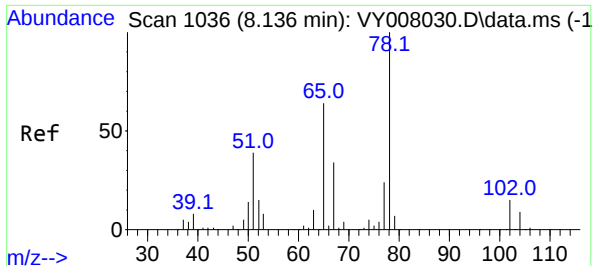
Tgt Ion: 43 Resp: 70  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#31  
Cyclohexane  
Concen: 1.085 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.012 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion: 56 Resp: 364  
Ion Ratio Lower Upper  
56 100  
69 137.6 26.7 40.1#  
84 148.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.522 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY008119.D

Acq: 30 Mar 2022 18:49

Instrument :

MSVOA\_Y

ClientSampleId :

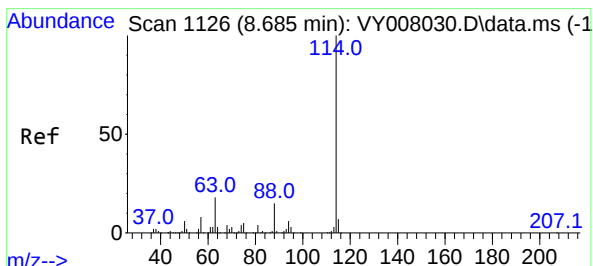
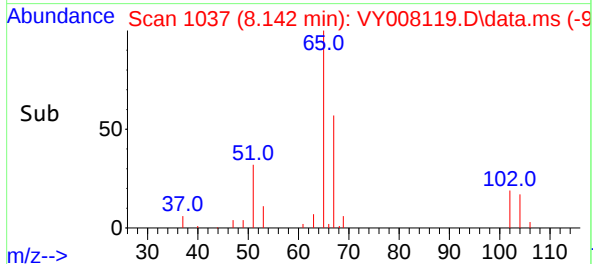
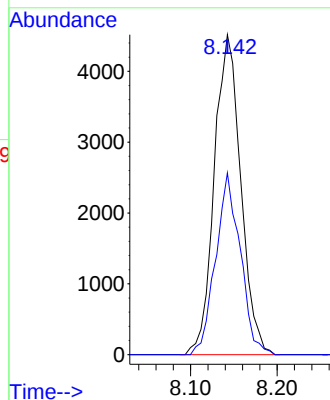
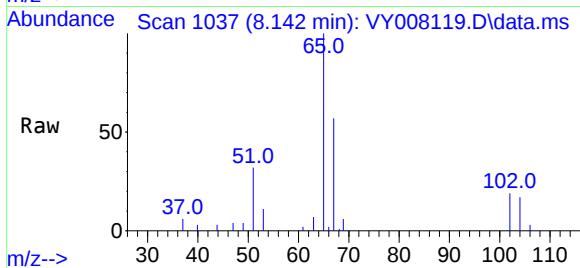
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Tgt Ion: 65 Resp: 9604

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008119.D

Acq: 30 Mar 2022 18:49

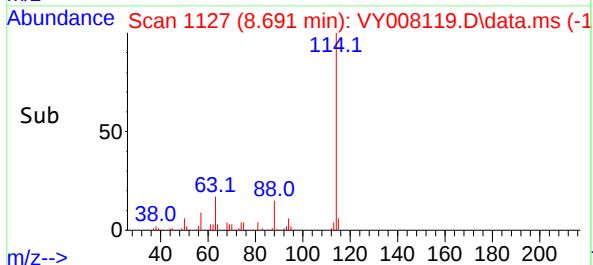
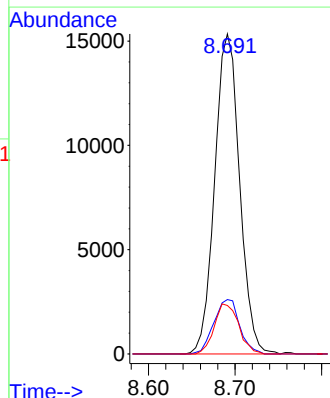
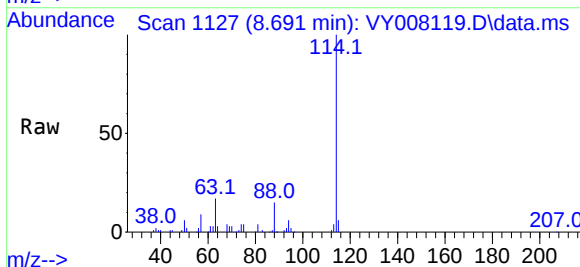
Tgt Ion: 114 Resp: 30566

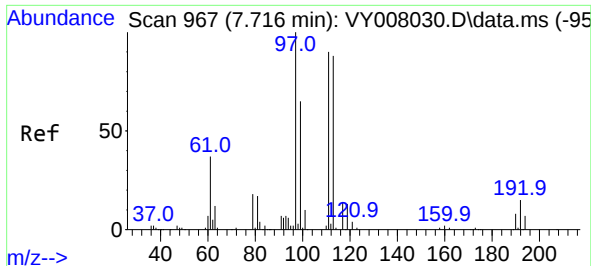
Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 15.1 0.0 31.8

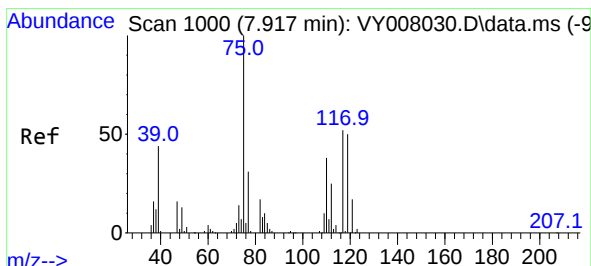
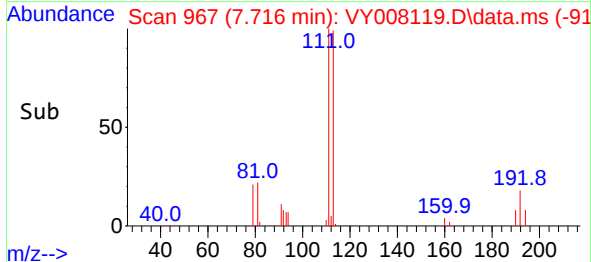
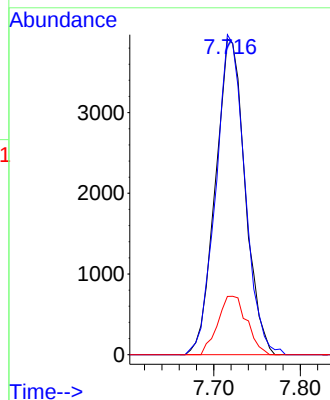
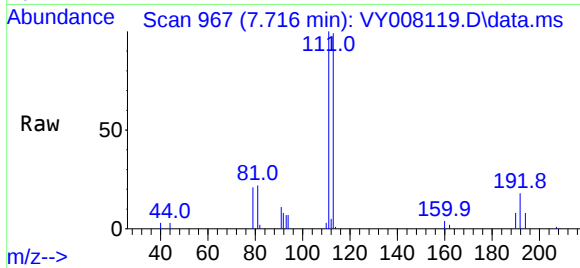




#35  
Dibromofluoromethane  
Concen: 48.393 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

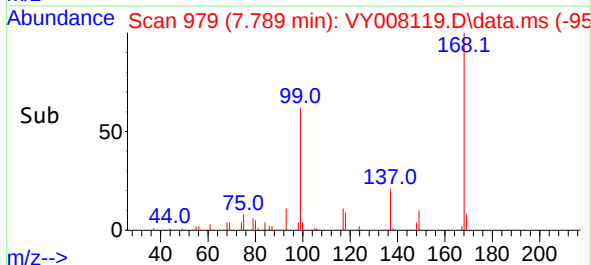
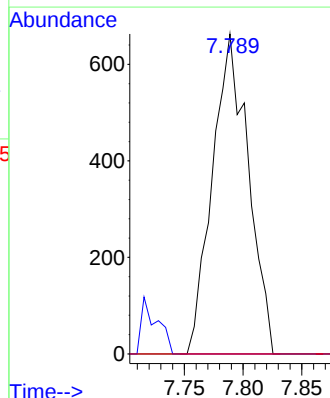
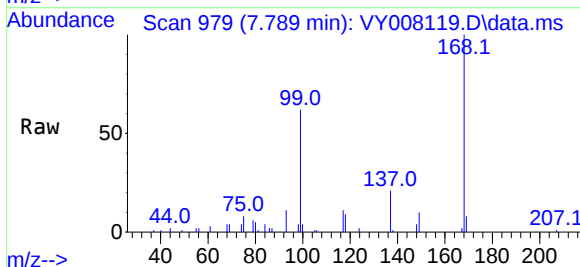
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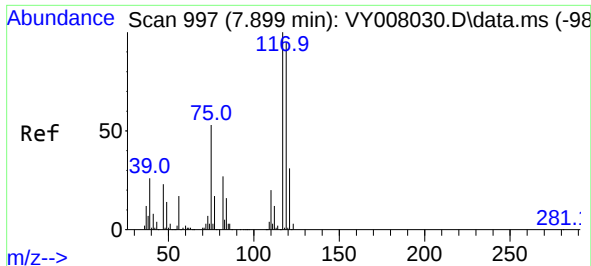
Tgt Ion:113 Resp: 9274  
Ion Ratio Lower Upper  
113 100  
111 99.2 82.6 124.0  
192 18.2 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.677 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion: 75 Resp: 1408  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.1 51.2#  
77 0.0 24.4 36.6#

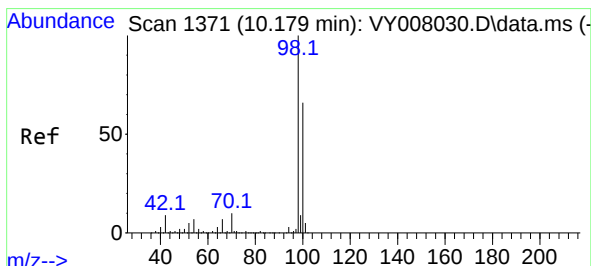
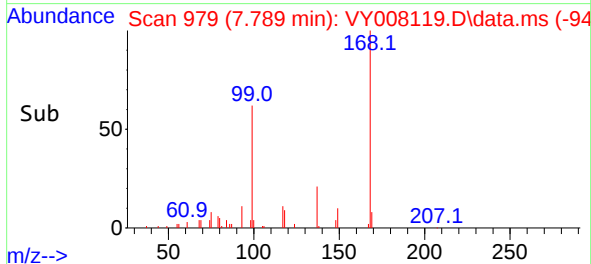
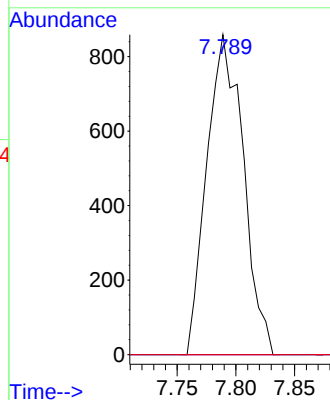
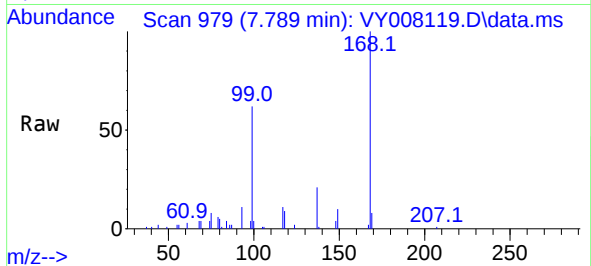




#38  
Carbon Tetrachloride  
Concen: 5.658 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

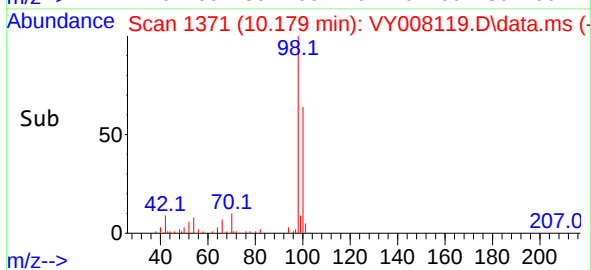
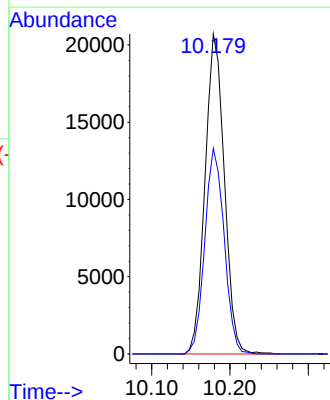
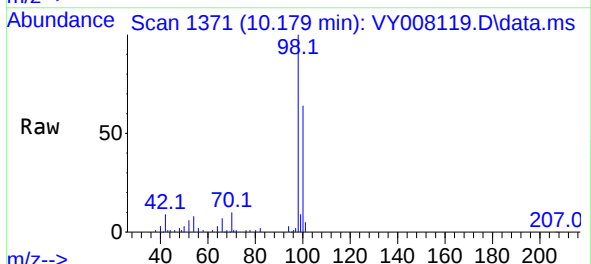
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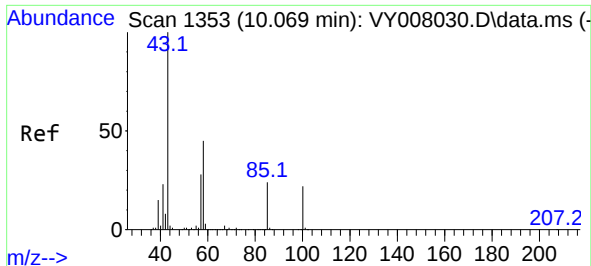
Tgt Ion:117 Resp: 1856  
Ion Ratio Lower Upper  
117 100  
119 0.0 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 49.031 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion: 98 Resp: 35401  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2

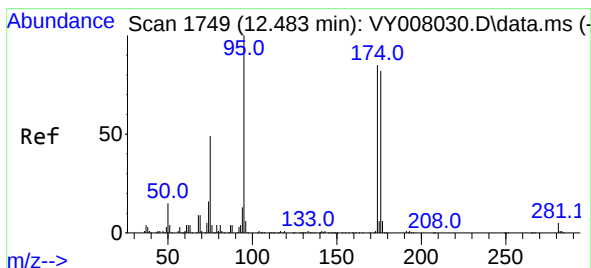
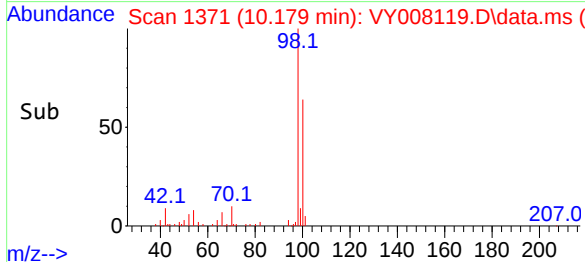
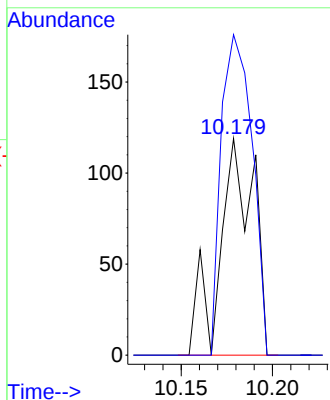
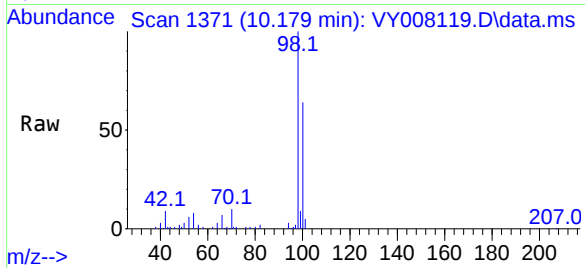




#51  
4-Methyl-2-Pentanone  
Concen: 1.113 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.110 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

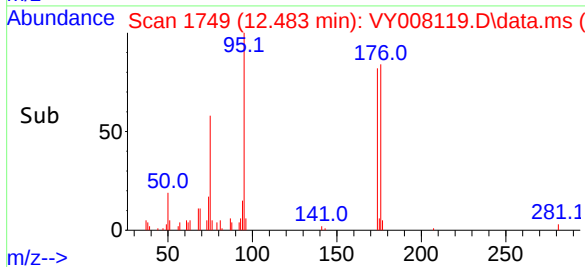
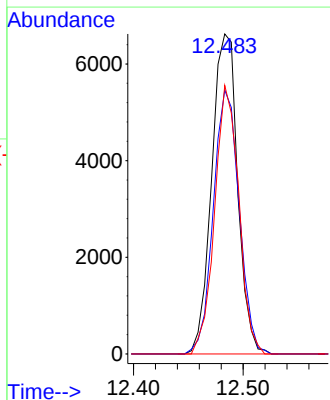
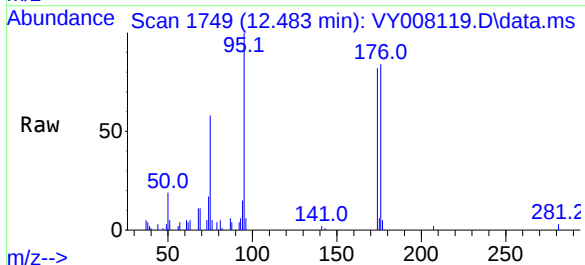
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PILE-LINDEN-SWICH

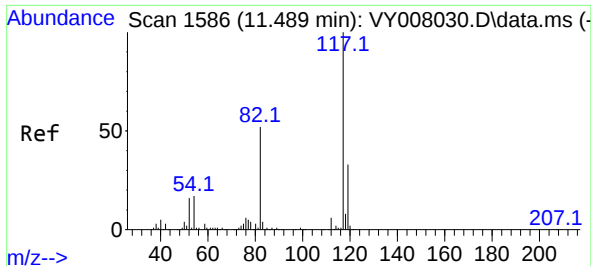
Tgt Ion: 43 Resp: 155  
Ion Ratio Lower Upper  
43 100  
58 134.2 28.1 42.1#



#62  
4-Bromofluorobenzene  
Concen: 42.744 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Tgt Ion: 95 Resp: 10888  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 177.0  
176 78.1 0.0 175.8

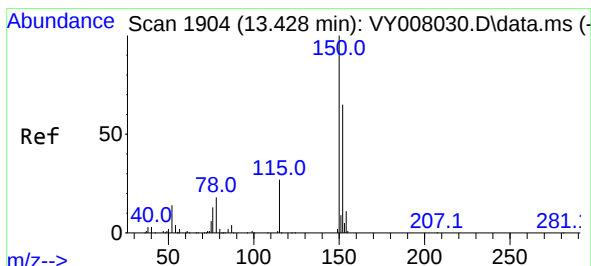
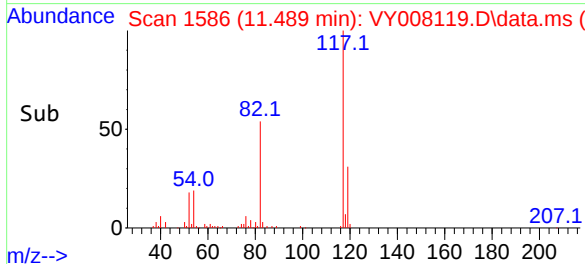
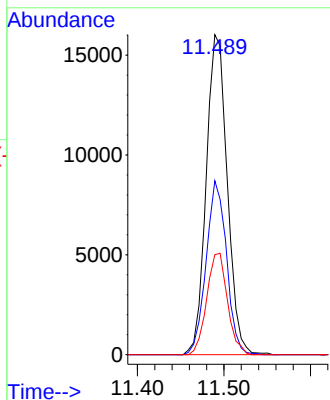
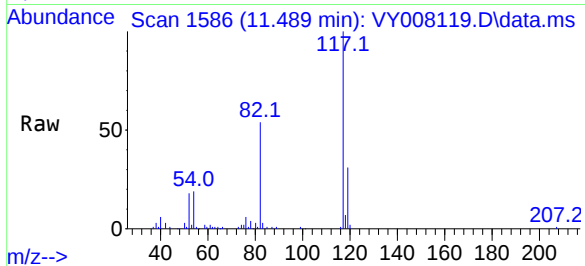




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

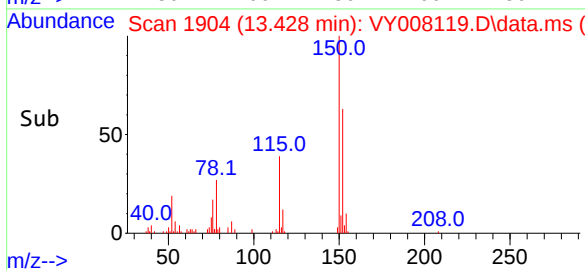
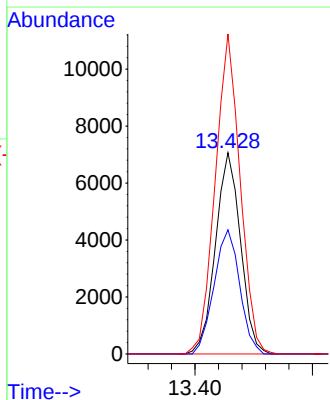
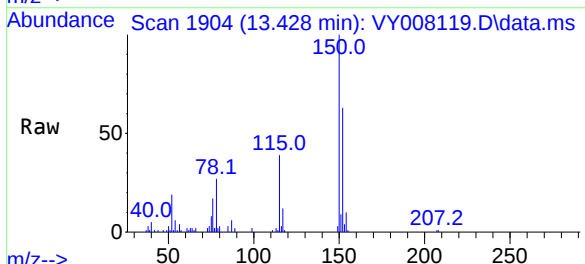
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PILE-LINDEN-SWITCH

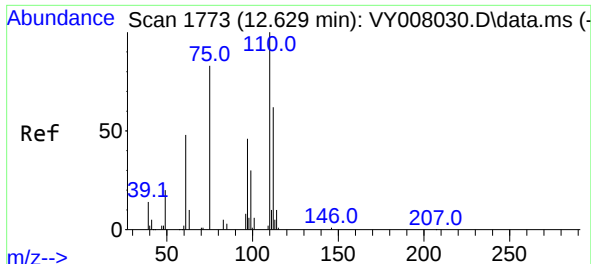
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 27083 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.3  | 43.0  | 64.4  |
| 119      | 31.3  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 10467 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.2  | 28.2  | 84.7  |
| 150      | 158.0 | 0.0   | 347.6 |





#76

1,2,3-Trichloropropane

Concen: 47.275 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY008119.D

Acq: 30 Mar 2022 18:49

Instrument :

MSVOA\_Y

ClientSampleId :

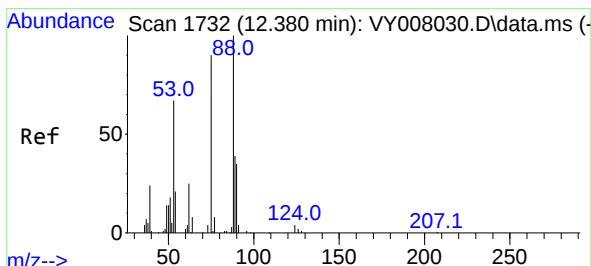
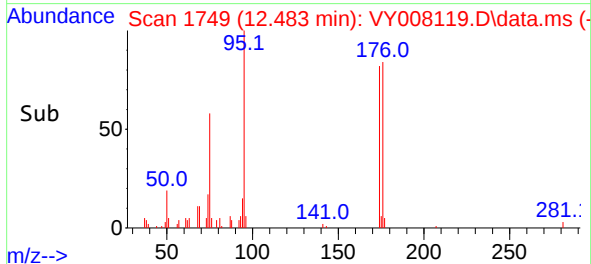
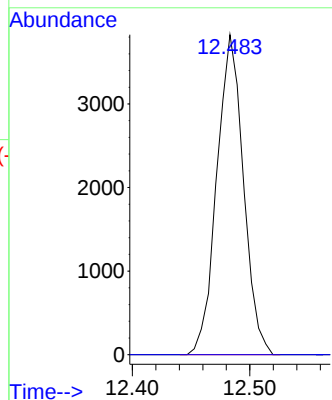
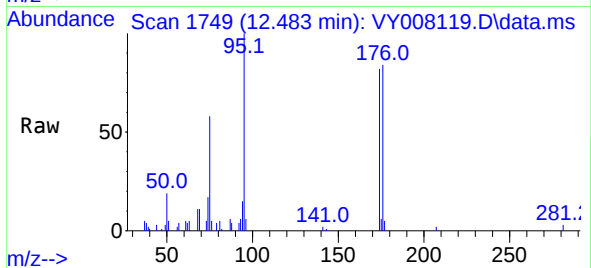
PILE-LINDEN-SWICH

Tgt Ion: 75 Resp: 6032

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 105.478 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY008119.D

Acq: 30 Mar 2022 18:49

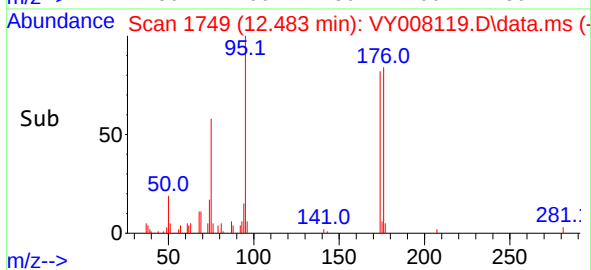
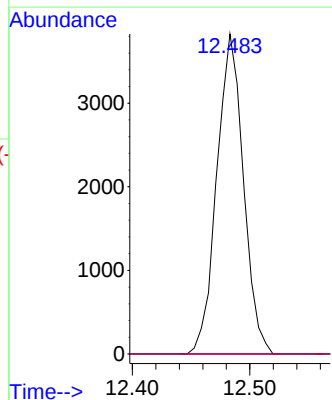
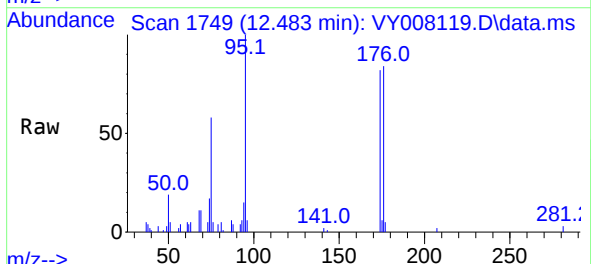
Tgt Ion: 75 Resp: 6032

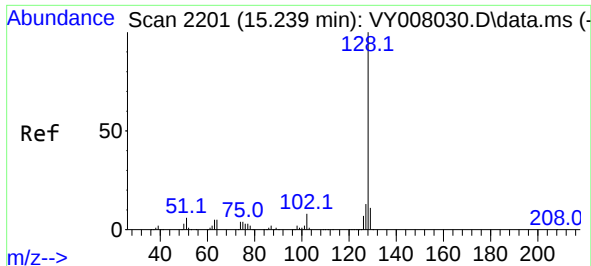
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

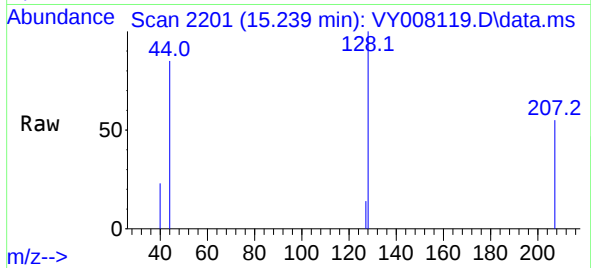
89 0.0 37.0 55.4#





#95  
Naphthalene  
Concen: 1.664 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY008119.D  
Acq: 30 Mar 2022 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PILE-LINDEN-SWITCH



Tgt Ion:128 Resp: 762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 9.4   | 11.0  | 16.4# |
| 129 | 0.0   | 8.4   | 12.6# |

