

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110821\  
 Data File : VY006689.D  
 Acq On : 08 Nov 2021 18:41  
 Operator : SY/MD  
 Sample : M4540-05  
 Misc : 5.04G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: Nov 09 13:07:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

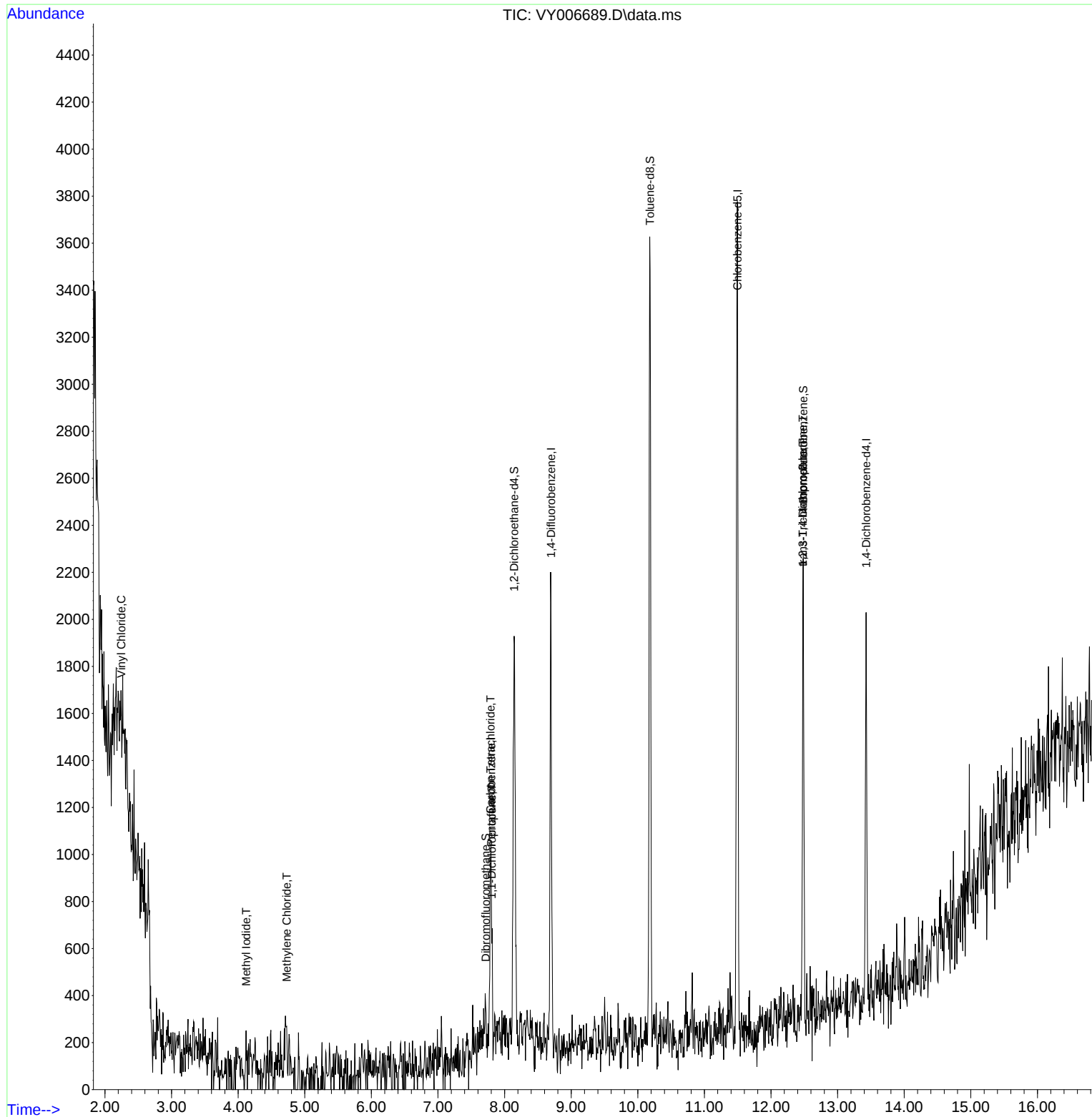
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 925      | 50.000   | ug/l        | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 1836     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 2139     | 50.000   | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 455      | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 1513     | 132.921  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 265.840%# |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 59       | 5.765    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 11.540%#  |          |
| 50) Toluene-d8                | 10.185 | 98    | 2417     | 55.716   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 111.440%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 692      | 47.355   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 94.700%   |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 4) Vinyl Chloride             | 2.247  | 62    | 20       | 1.552    | ug/l #      | 44       |
| 10) Methyl Iodide             | 4.119  | 142   | 55       | 10.485   | ug/l #      | 36       |
| 20) Methylene Chloride        | 4.728  | 84    | 198      | 16.784   | ug/l #      | 37       |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 23       | 1.268    | ug/l #      | 42       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 30       | 1.499    | ug/l #      | 12       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 450      | 95.976   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 450      | 197.036  | ug/l #      | 7        |
| -----                         |        |       |          |          |             |          |

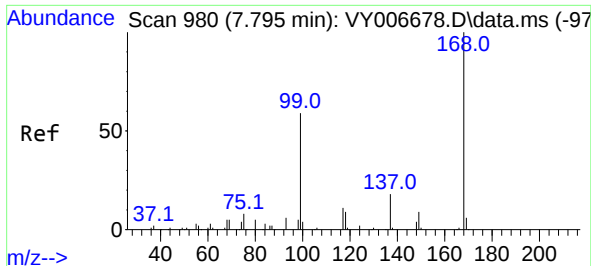
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110821\  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 23 06:59:04 2021  
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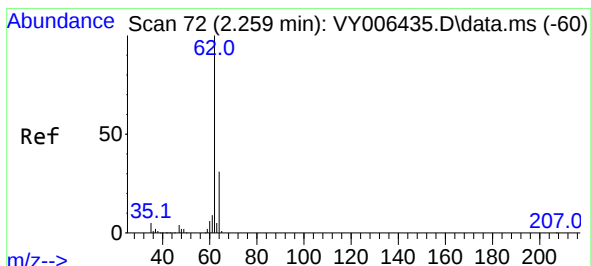
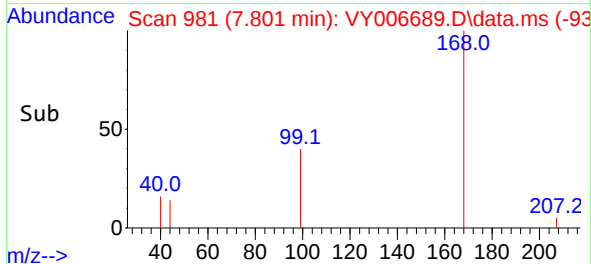
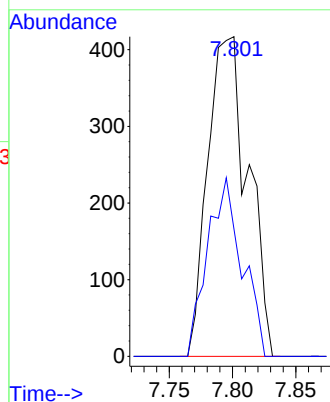
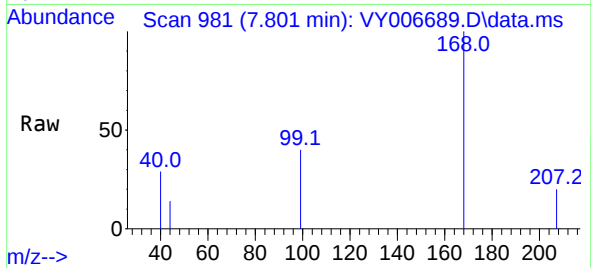




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

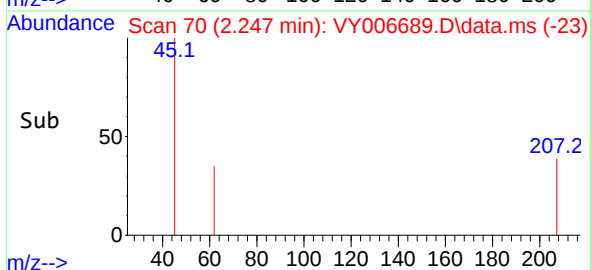
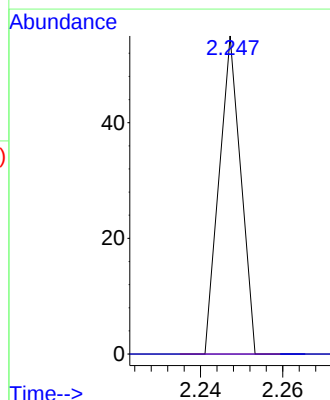
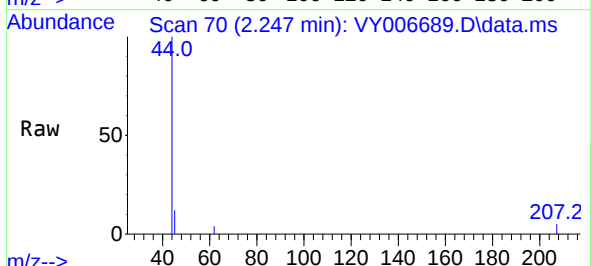
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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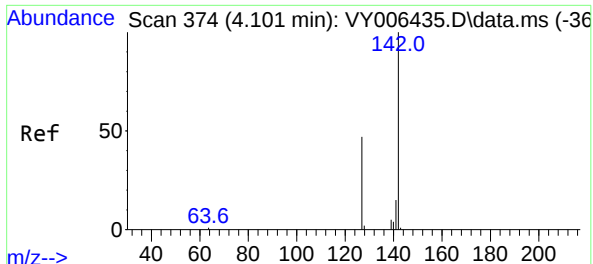
Tgt Ion:168 Resp: 925  
Ion Ratio Lower Upper  
168 100  
99 39.8 44.8 67.2#



#4  
Vinyl Chloride  
Concen: 1.552 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.012 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Tgt Ion: 62 Resp: 20  
Ion Ratio Lower Upper  
62 100  
64 0.0 24.7 37.1#



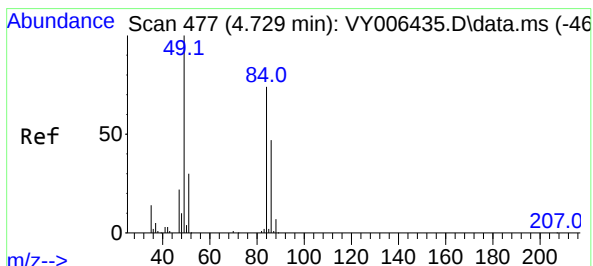
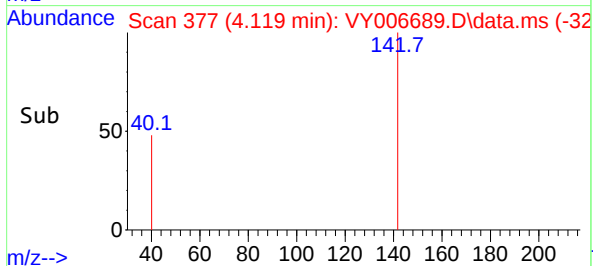
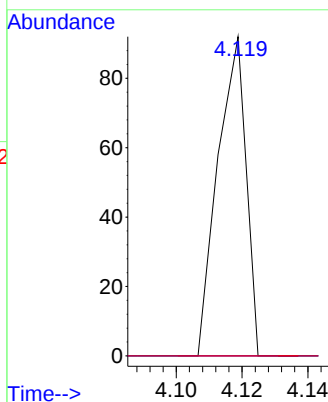
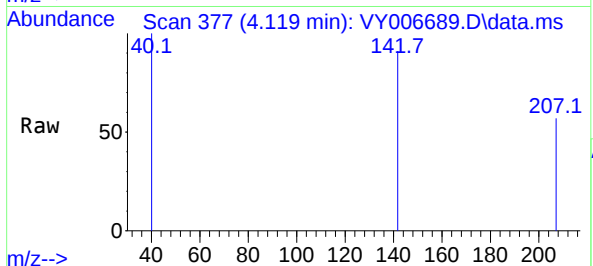


#10  
Methyl Iodide  
Concen: 10.485 ug/l  
RT: 4.119 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:142 Resp: 55

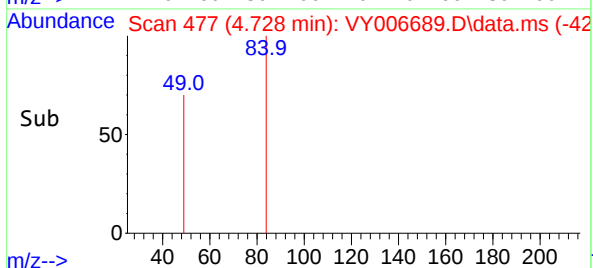
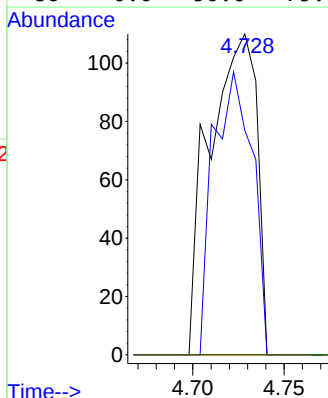
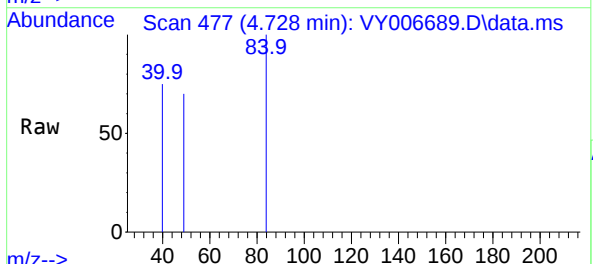
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 0.0   | 40.1  | 60.1# |
| 141 | 0.0   | 12.5  | 18.7# |

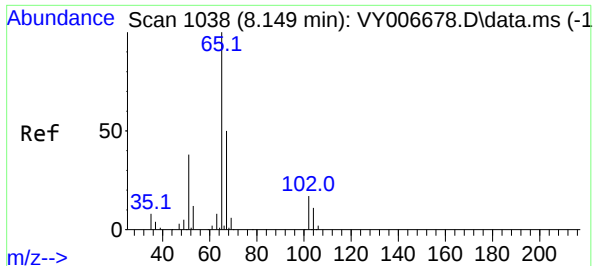


#20  
Methylene Chloride  
Concen: 16.784 ug/l  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Tgt Ion: 84 Resp: 198

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 70.0  | 107.8 | 161.8# |
| 51  | 0.0   | 32.8  | 49.2#  |
| 86  | 0.0   | 50.6  | 75.8#  |





#33

1,2-Dichloroethane-d4

Concen: 132.921 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY006689.D

Acq: 08 Nov 2021 18:41

Instrument :

MSVOA\_Y

ClientSampleId :

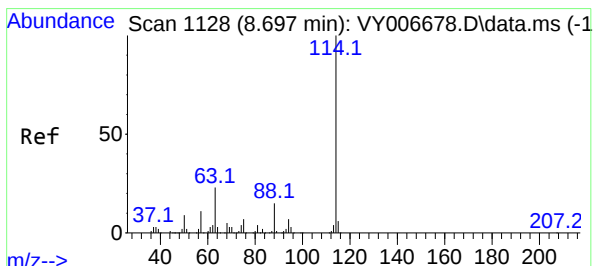
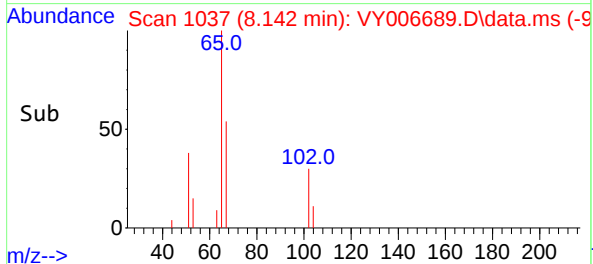
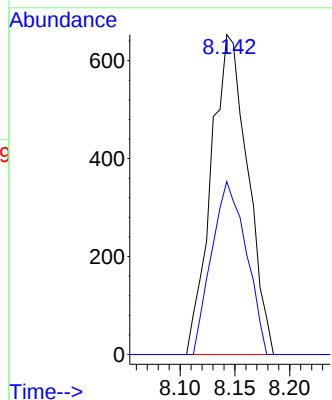
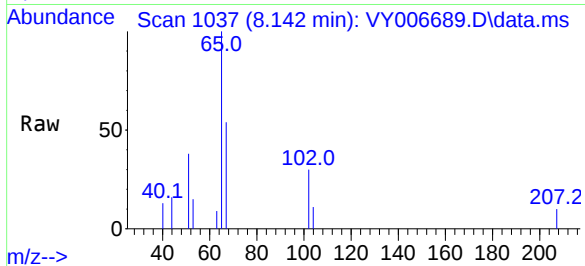
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Tgt Ion: 65 Resp: 1513

Ion Ratio Lower Upper

65 100

67 51.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY006689.D

Acq: 08 Nov 2021 18:41

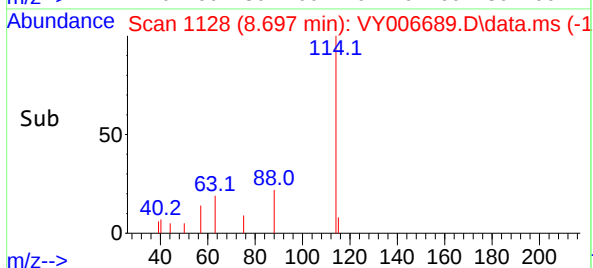
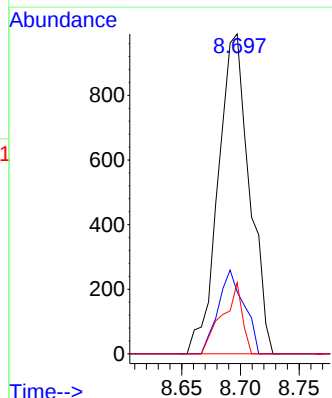
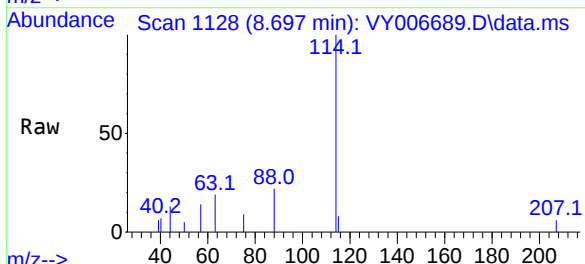
Tgt Ion: 114 Resp: 1836

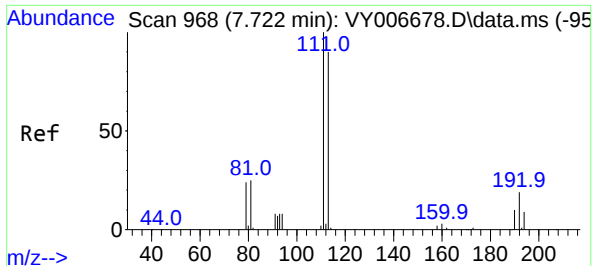
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 22.2 0.0 30.6

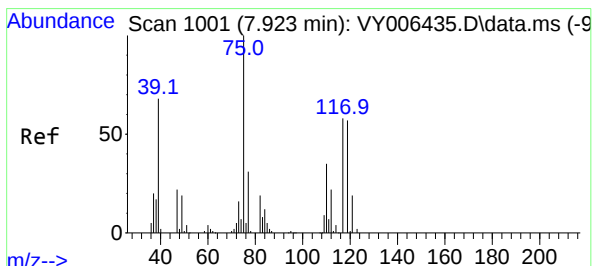
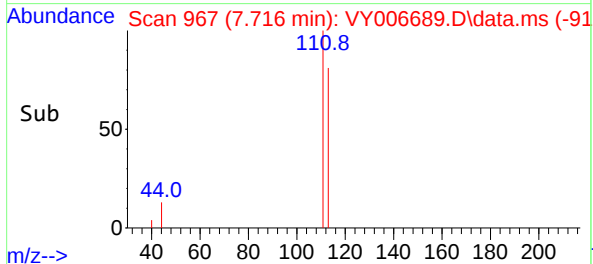
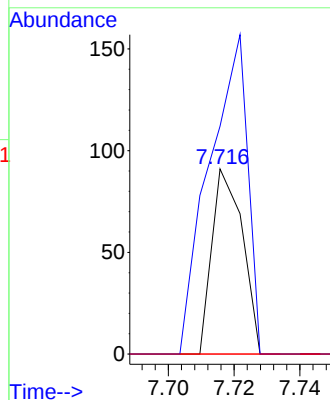
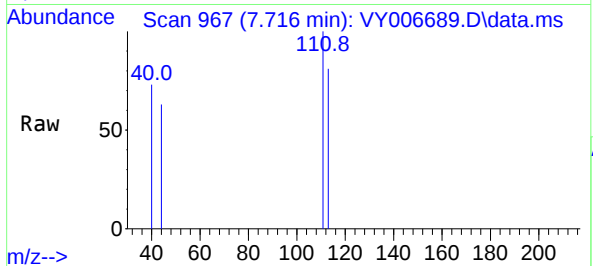




#35  
Dibromofluoromethane  
Concen: 5.765 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

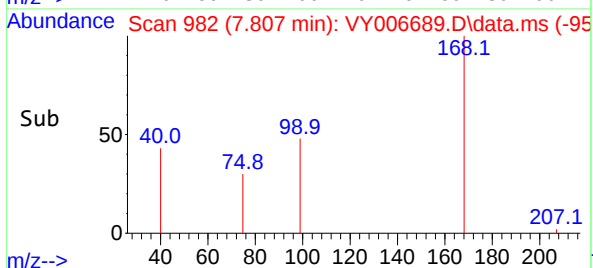
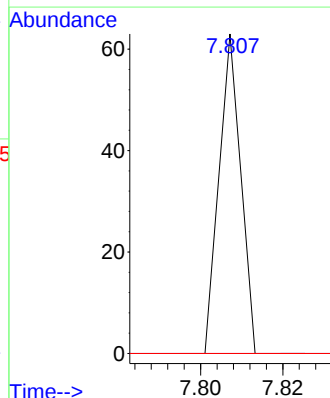
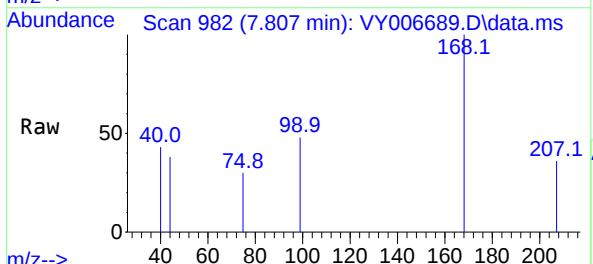
Instrument :  
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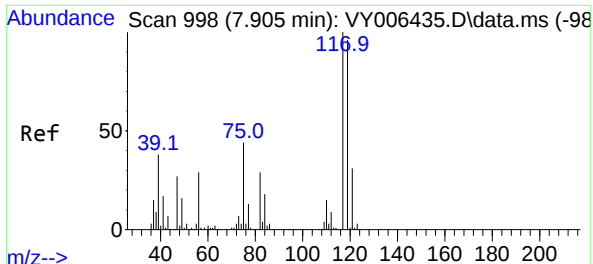
Tgt Ion:113 Resp: 59  
Ion Ratio Lower Upper  
113 100  
111 215.3 82.3 123.5#  
192 0.0 17.4 26.2#



#36  
1,1-Dichloropropene  
Concen: 1.268 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Tgt Ion: 75 Resp: 23  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.1 51.3#  
77 0.0 24.9 37.3#

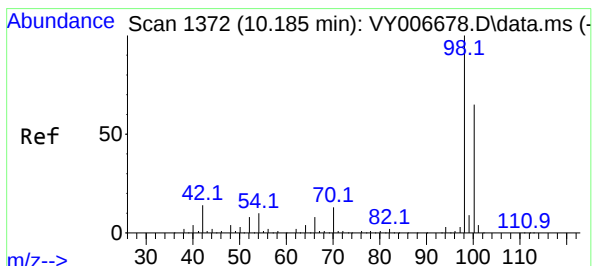
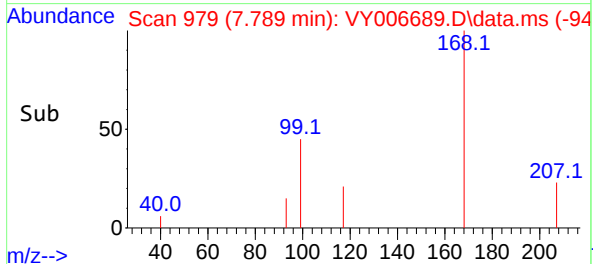
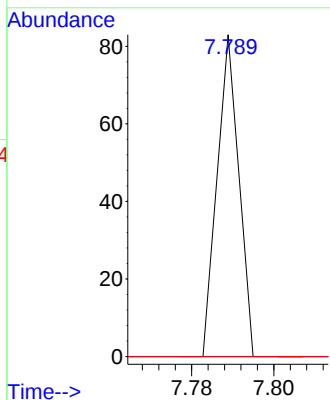
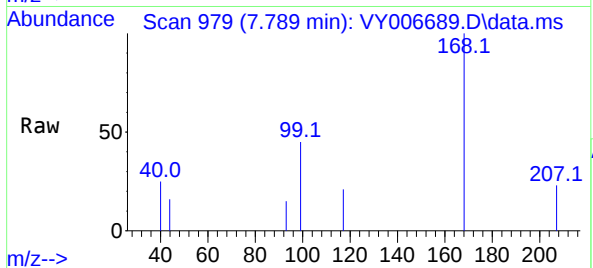




#38  
Carbon Tetrachloride  
Concen: 1.499 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

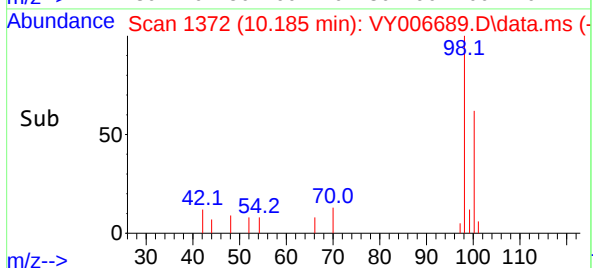
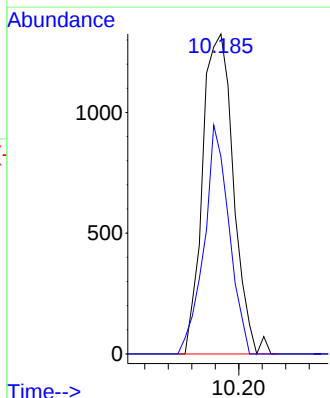
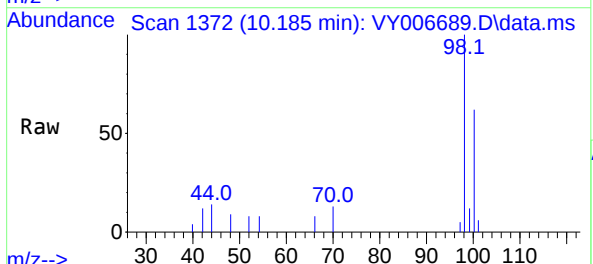
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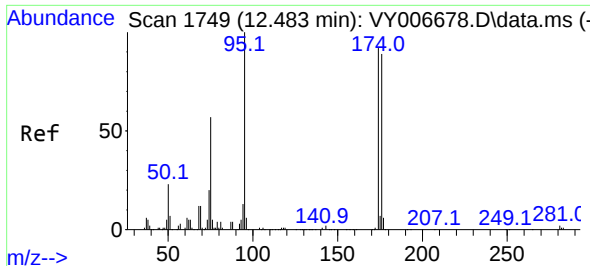
Tgt Ion:117 Resp: 30  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.6 115.0#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 55.716 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Tgt Ion: 98 Resp: 2417  
Ion Ratio Lower Upper  
98 100  
100 57.8 50.9 76.3

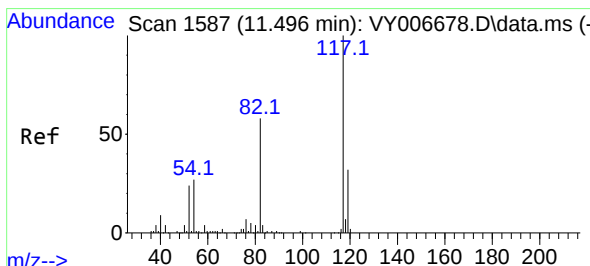
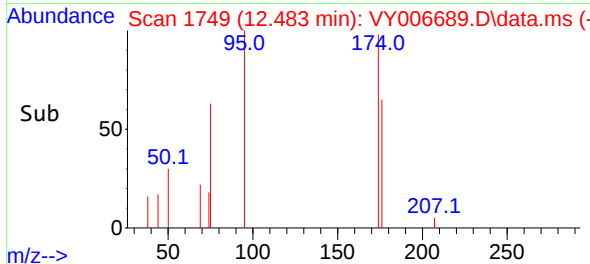
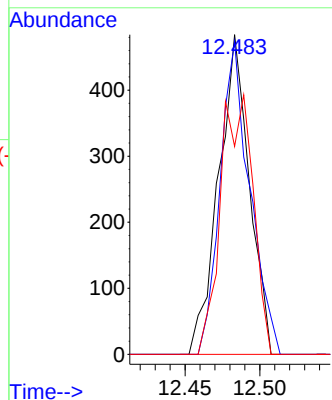
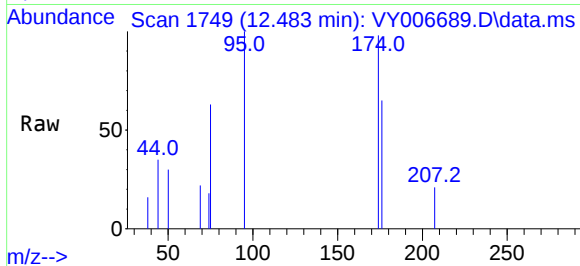




#62  
4-Bromofluorobenzene  
Concen: 47.355 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

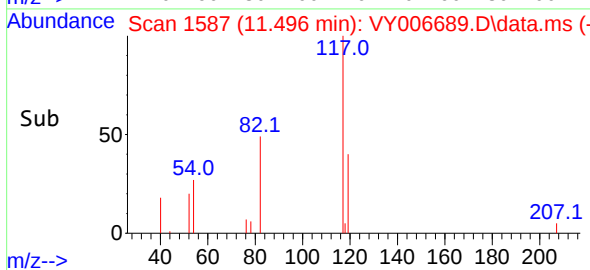
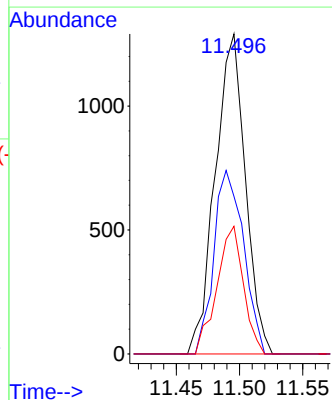
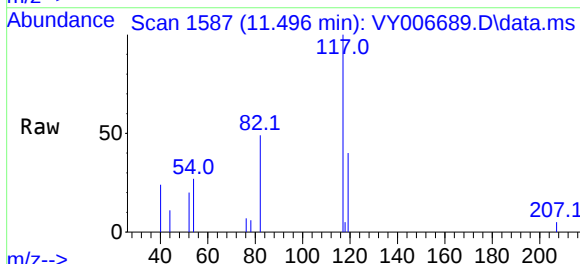
Instrument :  
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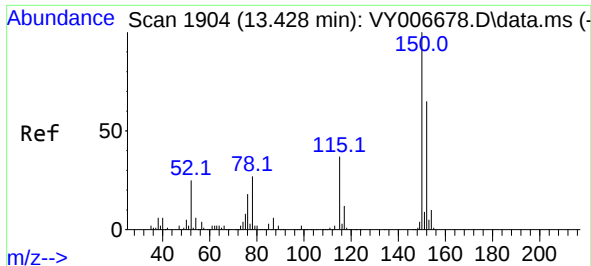
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 692   |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 94.5  | 0.0   | 177.0 |
| 176      | 85.8  | 0.0   | 169.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2139  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 49.3  | 45.7  | 68.5  |
| 119      | 39.9  | 25.5  | 38.3  |

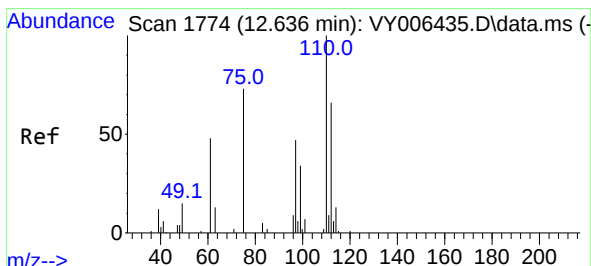
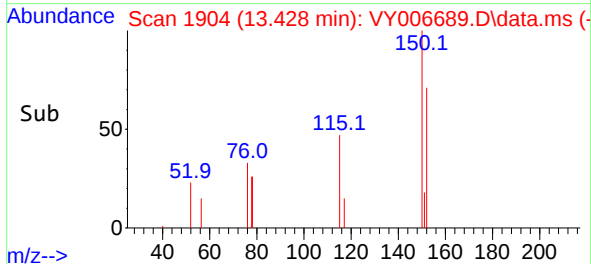
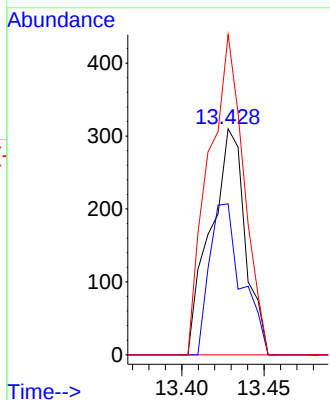
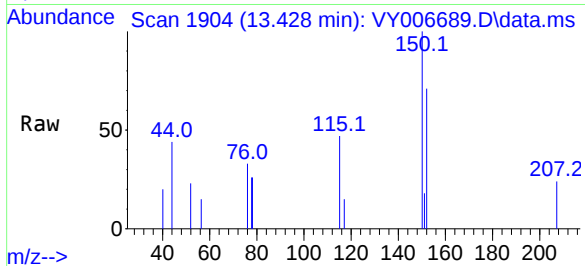




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

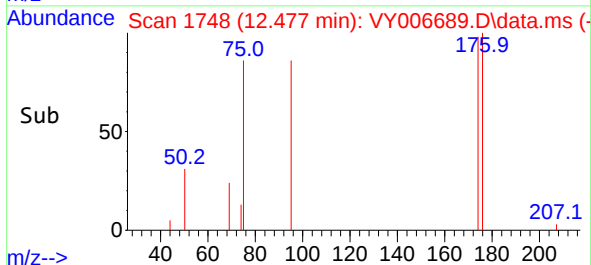
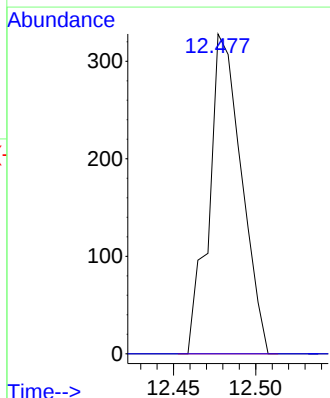
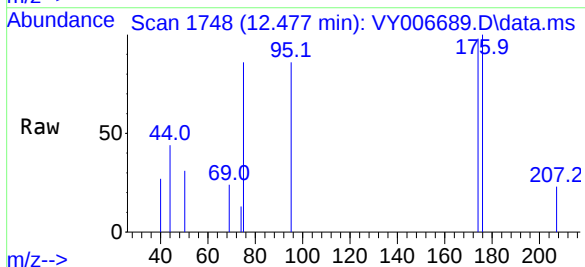
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

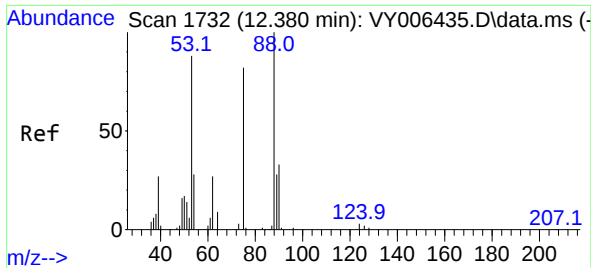
Tgt Ion:152 Resp: 455  
Ion Ratio Lower Upper  
152 100  
115 62.0 28.5 85.5  
150 143.3 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 95.976 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.159 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

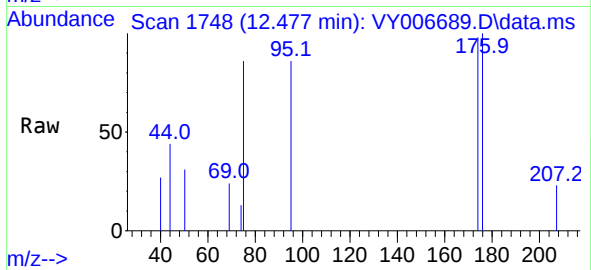
Tgt Ion: 75 Resp: 450  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
trans-1,4-Dichloro-2-butene  
Concen: 197.036 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY006689.D  
Acq: 08 Nov 2021 18:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3



Tgt Ion: 75 Resp: 450  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.0 39.3 58.9#

