

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020322\  
 Data File : VY007367.D  
 Acq On : 03 Feb 2022 10:35  
 Operator : SY/MD  
 Sample : VY0203SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 08:38:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

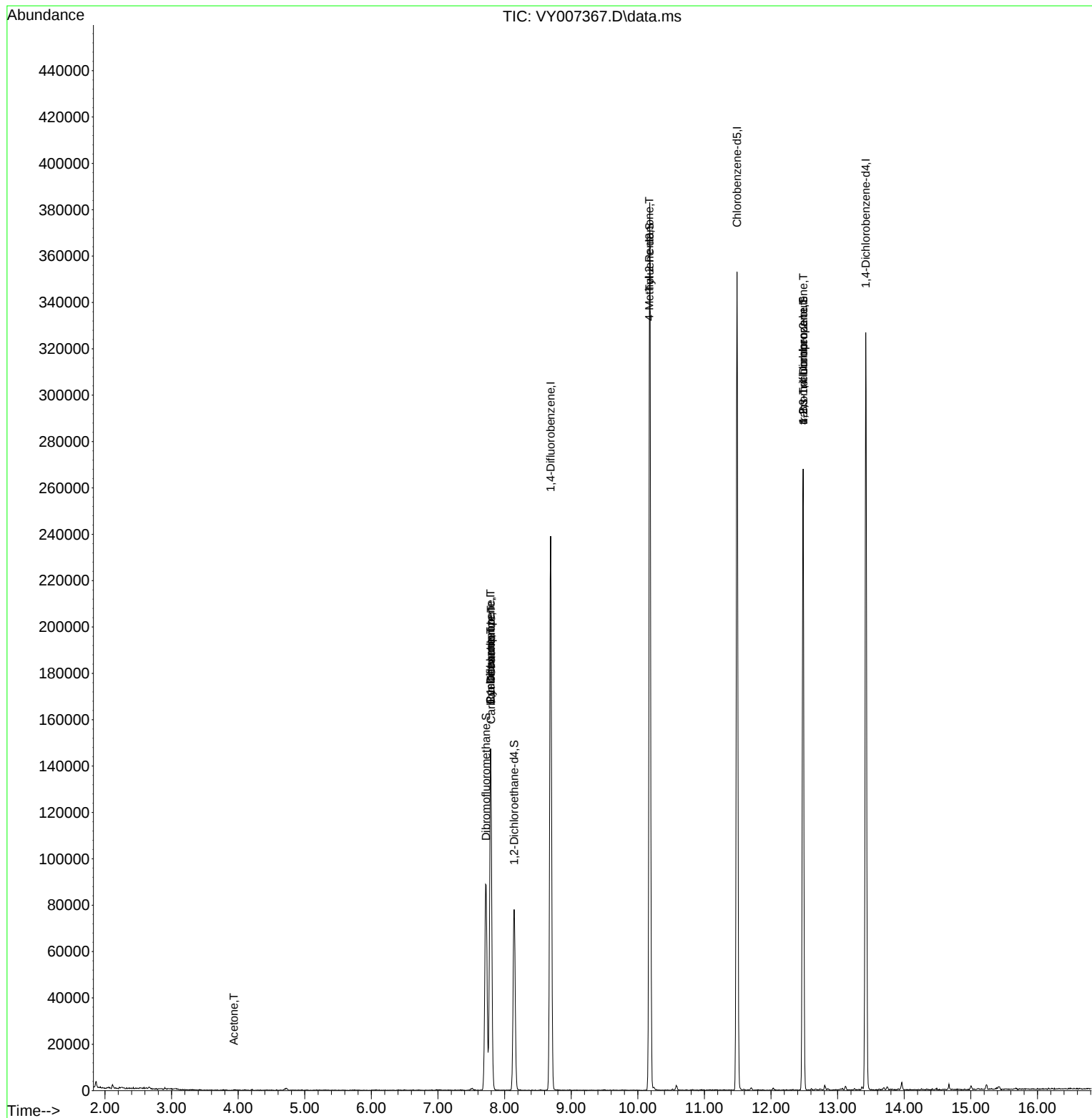
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 105956   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 201698   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 186702   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 78460    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 62119    | 50.969    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 101.940% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 64729    | 49.977    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 99.960%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 246937   | 51.606    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.220% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 83533    | 51.361    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 102.720% |          |
| Target Compounds              |        |       |          |           |            |          |
| 3) Chloromethane              | 2.113  | 50    | 1264     | Below Cal | Qvalue 91  |          |
| 11) Tert butyl alcohol        | 4.930  | 59    | 22       | Below Cal | # 77       |          |
| 16) Acetone                   | 3.936  | 43    | 410      | 1.036     | ug/l       | # 47     |
| 20) Methylene Chloride        | 4.710  | 84    | 606      | Below Cal | # 67       |          |
| 31) Cyclohexane               | 7.789  | 56    | 2425     | 1.020     | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 9253     | 4.087     | ug/l       | # 51     |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11476    | 4.824     | ug/l       | # 14     |
| 51) 4-Methyl-2-Pentanone      | 10.173 | 43    | 1109     | 1.039     | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 45873    | 49.181    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 45873    | 98.530    | ug/l       | # 7      |
| -----                         |        |       |          |           |            |          |

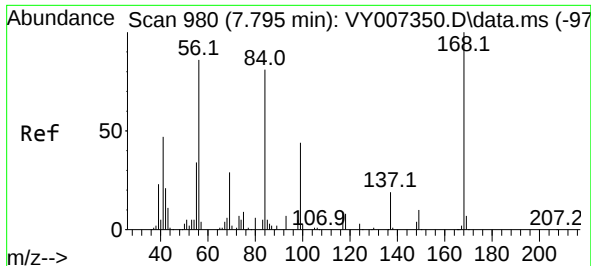
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VY0203SBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 04 08:38:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 03 04:36:48 2022  
Response via : Initial Calibration

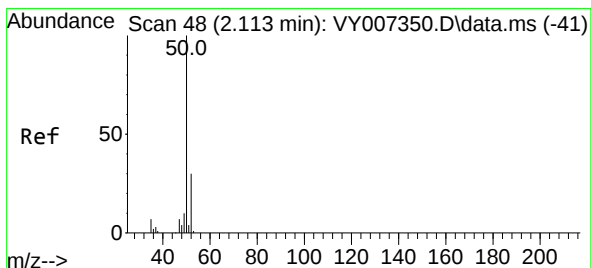
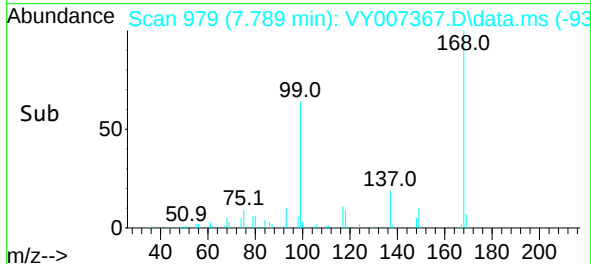
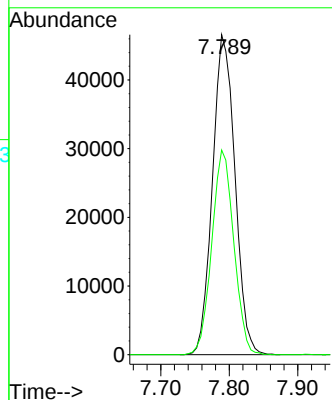
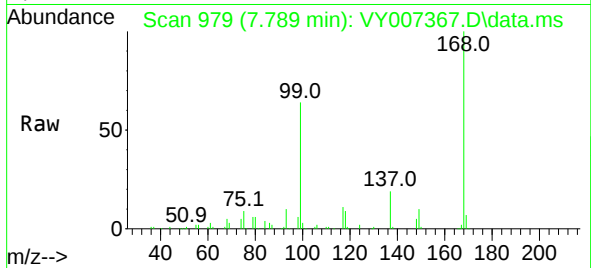




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

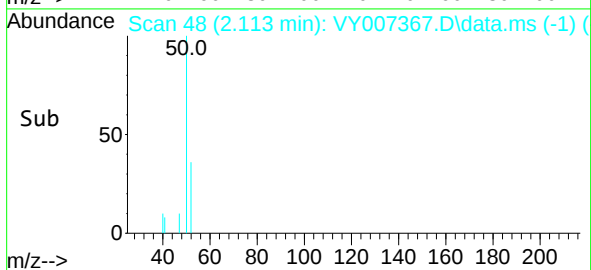
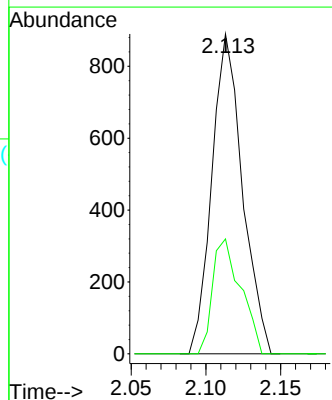
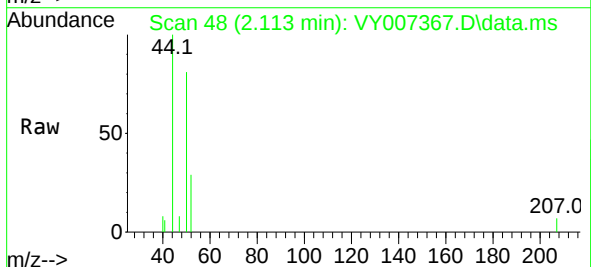
Instrument :  
MSVOA\_Y  
ClientSampleId :

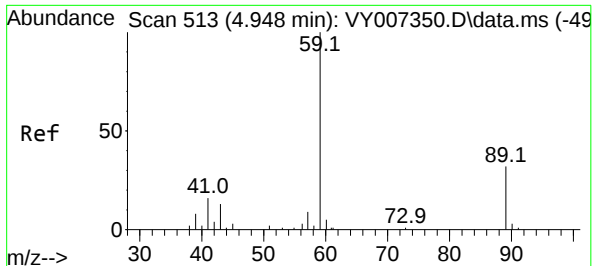
Tgt Ion:168 Resp: 105956  
Ion Ratio Lower Upper  
168 100  
99 63.9 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Tgt Ion: 50 Resp: 1264  
Ion Ratio Lower Upper  
50 100  
52 36.0 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

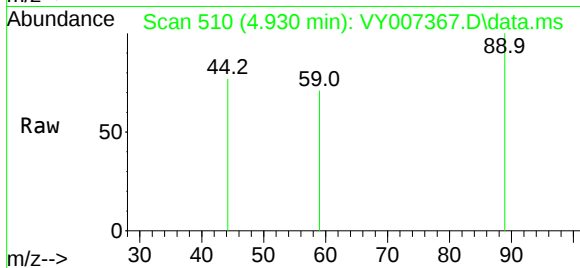
Lab File: VY007367.D

Acq: 03 Feb 2022 10:35

Instrument :

MSVOA\_Y

ClientSampleId :

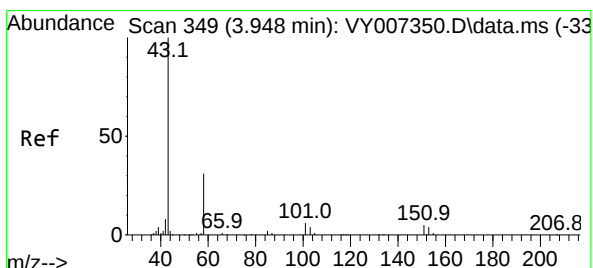
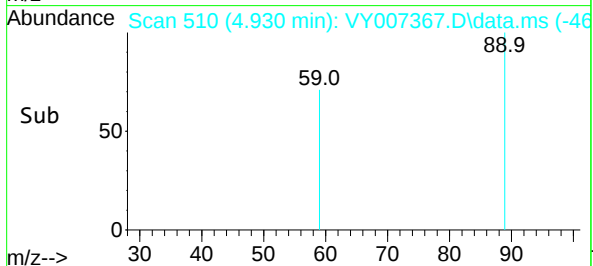
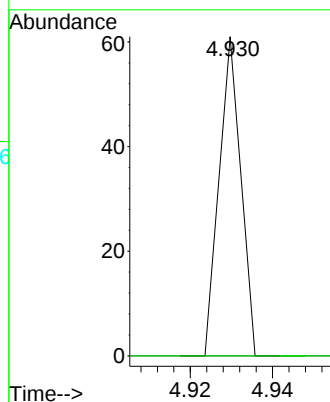


Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.036 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY007367.D

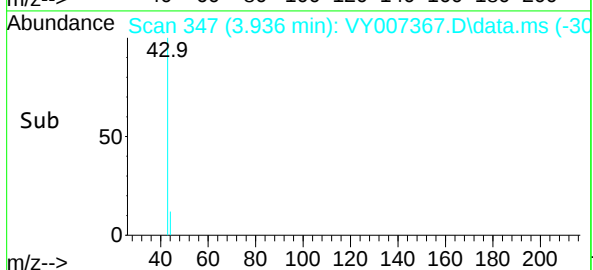
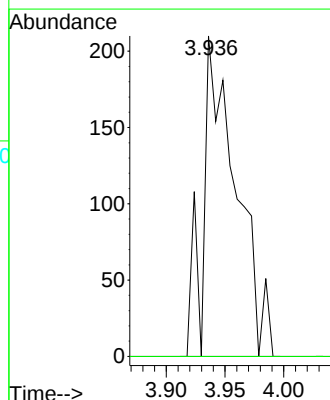
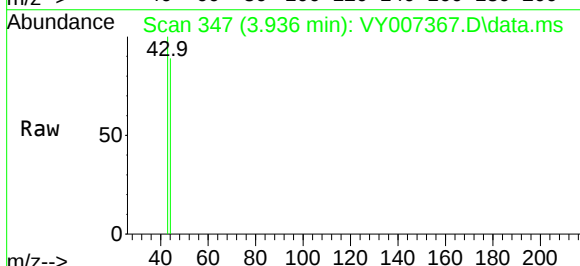
Acq: 03 Feb 2022 10:35

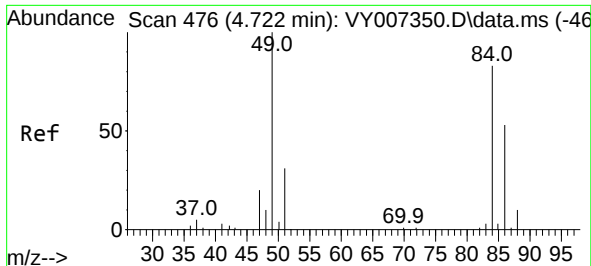
Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.012 min

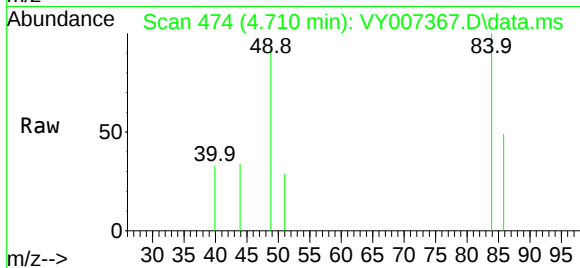
Lab File: VY007367.D

Acq: 03 Feb 2022 10:35

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 606

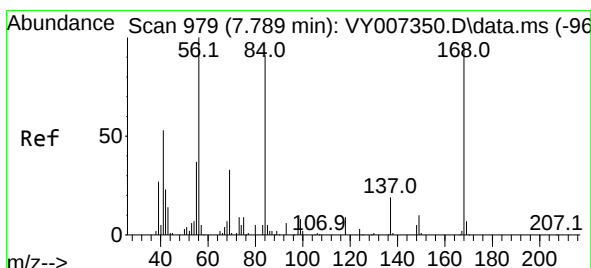
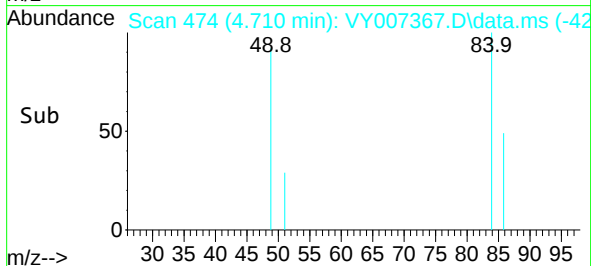
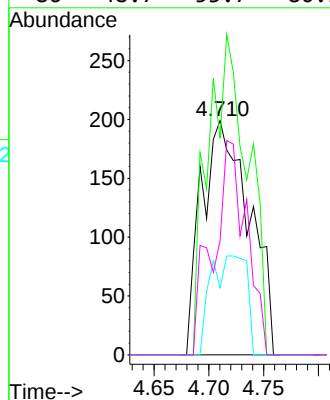
Ion Ratio Lower Upper

84 100

49 92.5 114.4 171.6#

51 28.6 35.3 52.9#

86 48.7 53.7 80.5#



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY007367.D

Acq: 03 Feb 2022 10:35

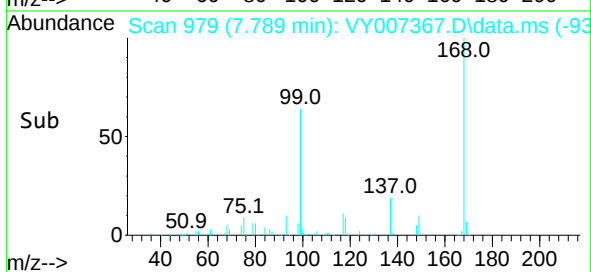
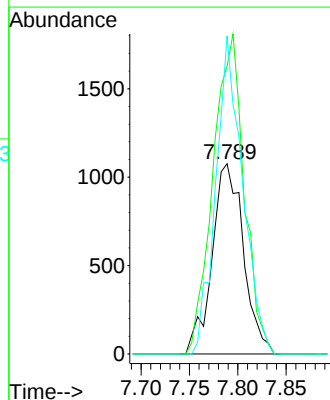
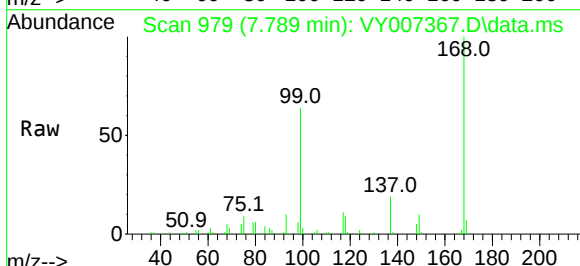
Tgt Ion: 56 Resp: 2425

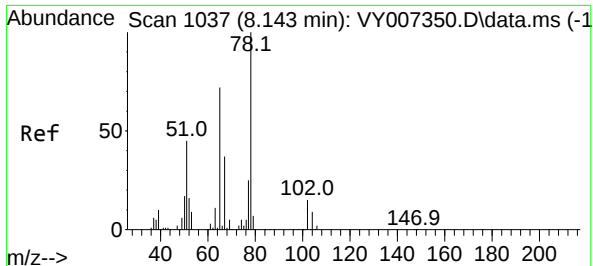
Ion Ratio Lower Upper

56 100

69 151.3 26.7 40.1#

84 167.2 67.2 100.8#

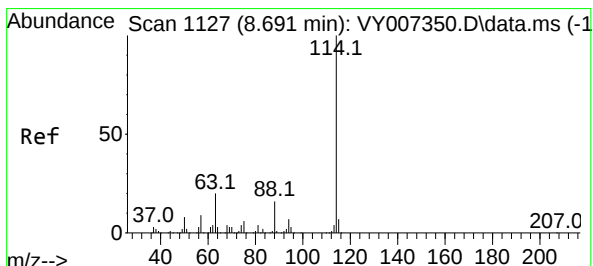
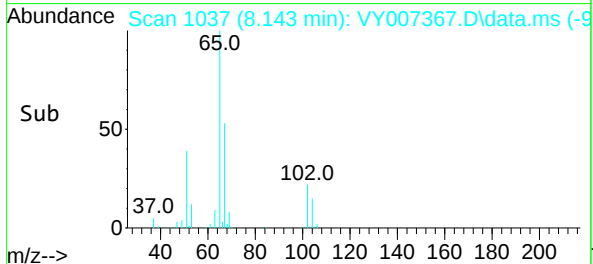
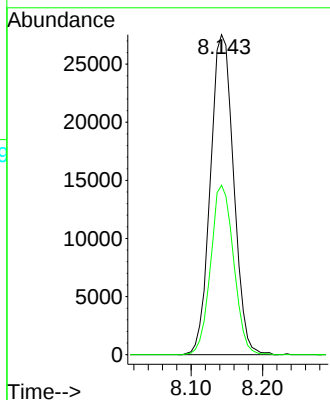
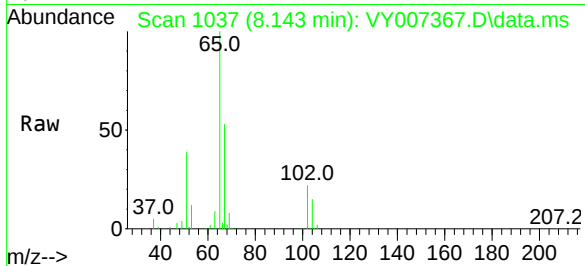




#33  
1,2-Dichloroethane-d4  
Concen: 50.969 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

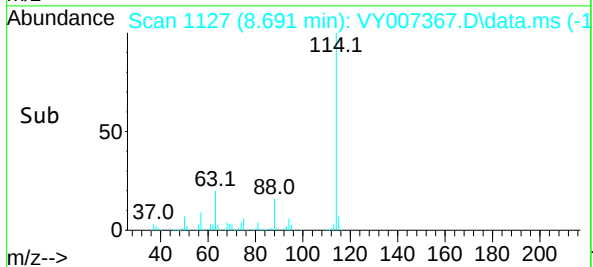
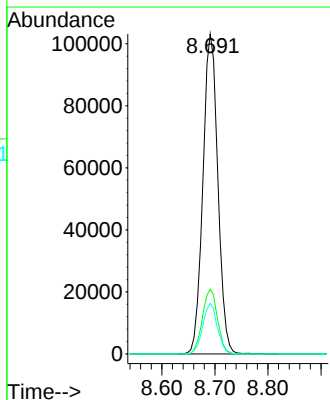
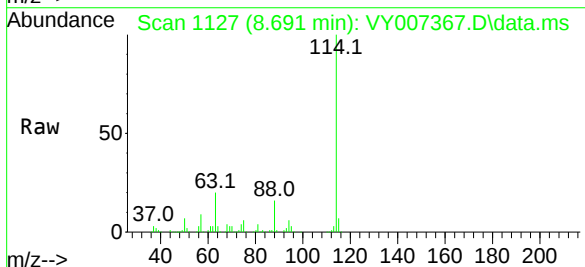
Instrument :  
MSVOA\_Y  
ClientSampleId :

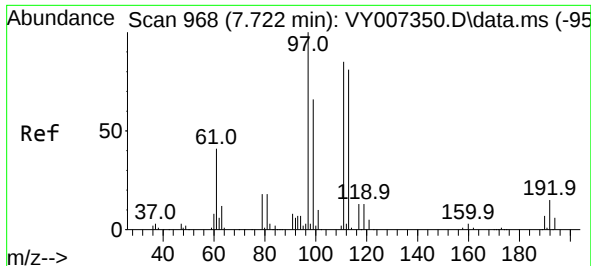
Tgt Ion: 65 Resp: 62119  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

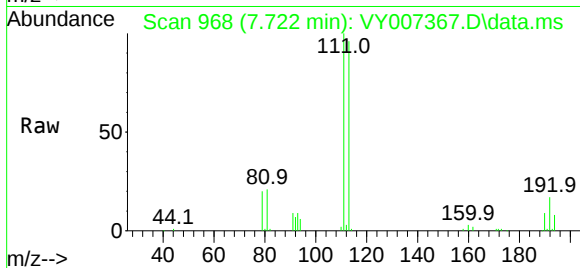
Tgt Ion: 114 Resp: 201698  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 43.2  
88 15.8 0.0 31.8



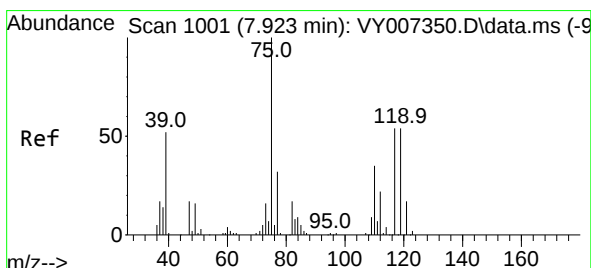
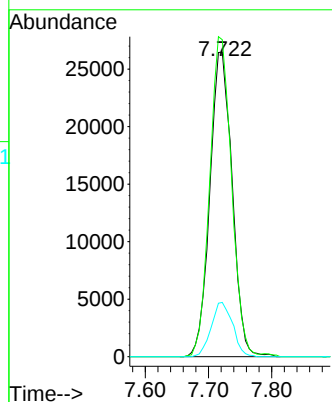
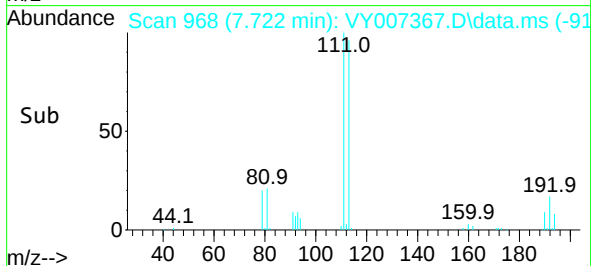


#35  
Dibromofluoromethane  
Concen: 49.977 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

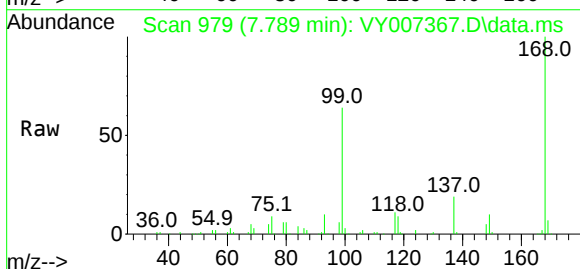
Instrument :  
MSVOA\_Y  
ClientSampleId :



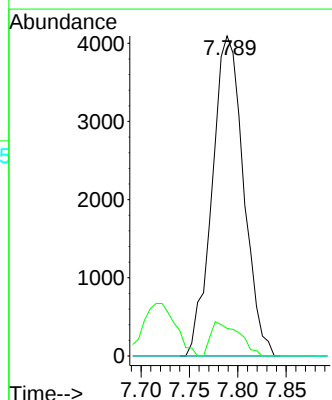
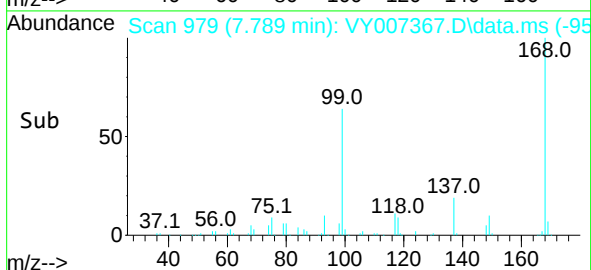
Tgt Ion:113 Resp: 64729  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 17.1 17.6 26.4#

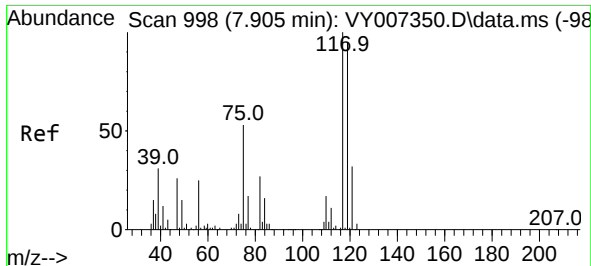


#36  
1,1-Dichloropropene  
Concen: 4.087 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35



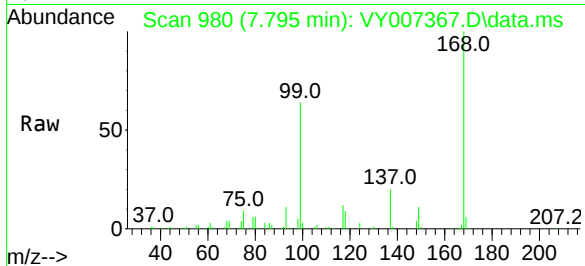
Tgt Ion: 75 Resp: 9253  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.1 51.2#  
77 0.0 24.4 36.6#



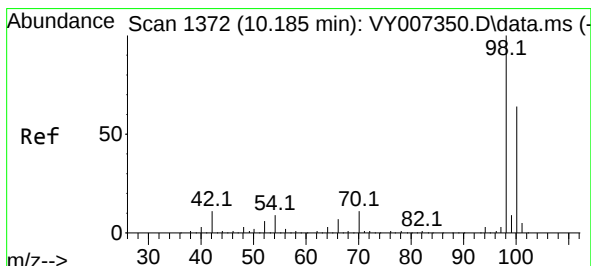
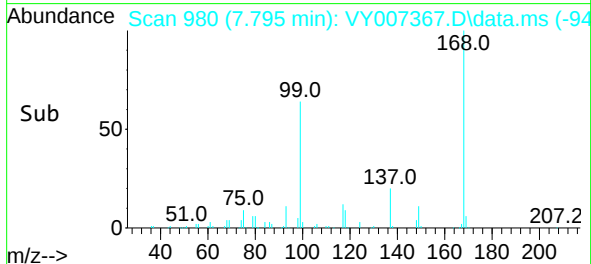
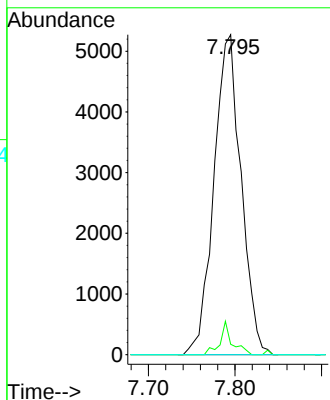


#38  
Carbon Tetrachloride  
Concen: 4.824 ug/l  
RT: 7.795 min Scan# 998  
Delta R.T. -0.110 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

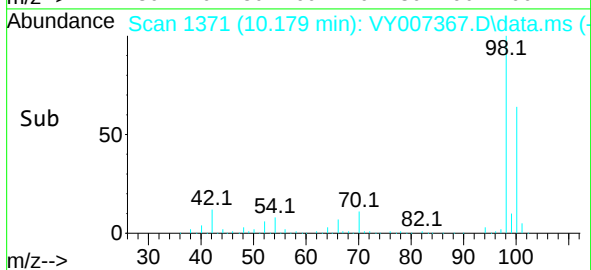
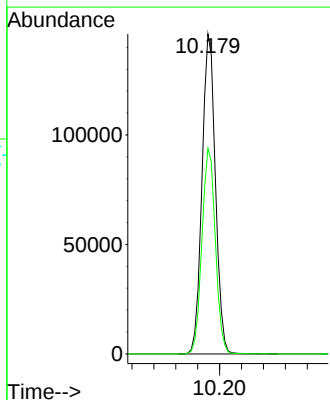
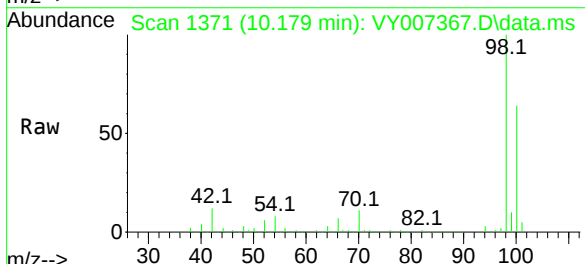


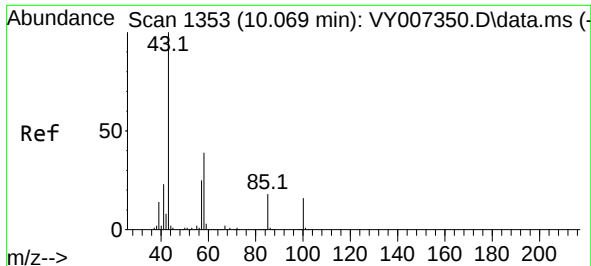
Tgt Ion:117 Resp: 11476  
Ion Ratio Lower Upper  
117 100  
119 3.3 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.606 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Tgt Ion: 98 Resp: 246937  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2

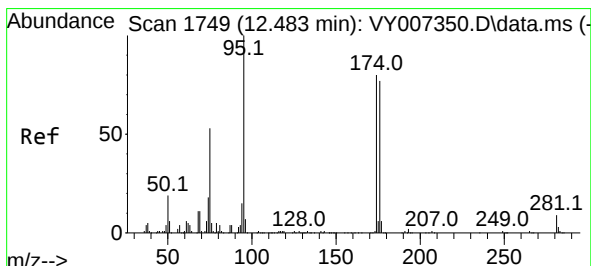
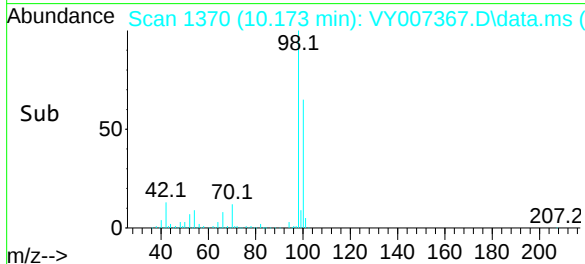
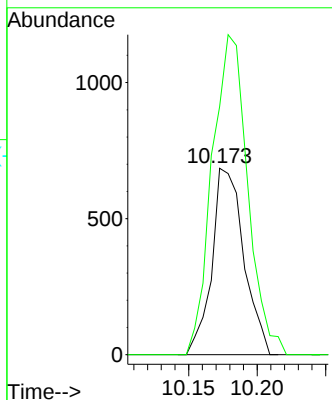
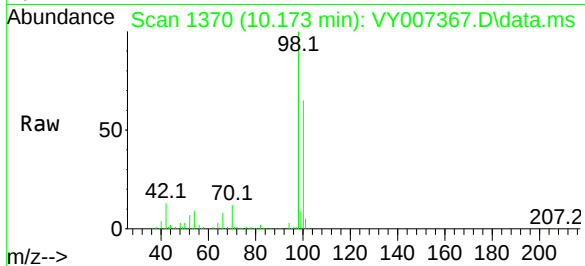




#51  
4-Methyl-2-Pentanone  
Concen: 1.039 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

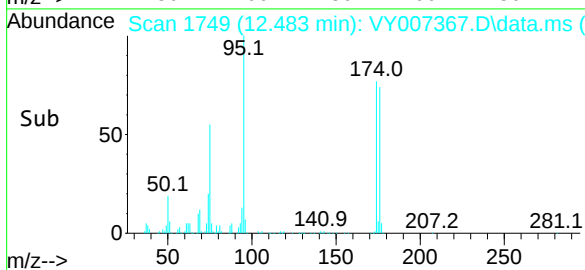
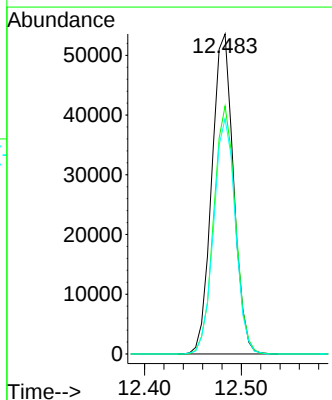
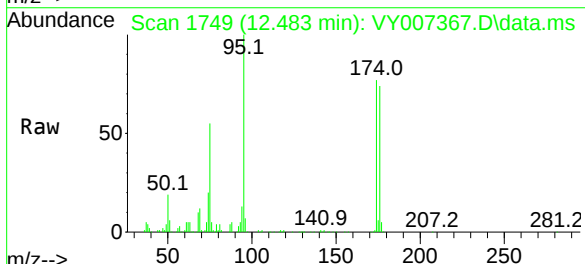
Instrument :  
MSVOA\_Y  
ClientSampleId :

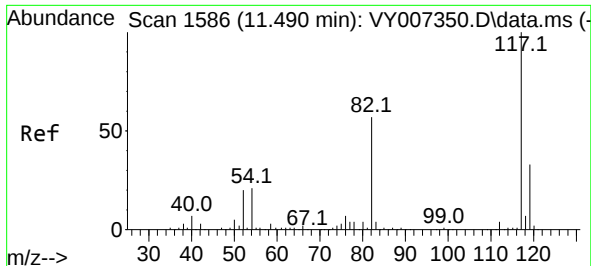
Tgt Ion: 43 Resp: 1109  
Ion Ratio Lower Upper  
43 100  
58 191.2 28.1 42.1#



#62  
4-Bromofluorobenzene  
Concen: 51.361 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Tgt Ion: 95 Resp: 83533  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 177.0  
176 73.5 0.0 175.8

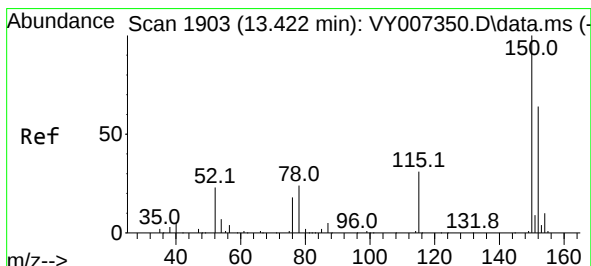
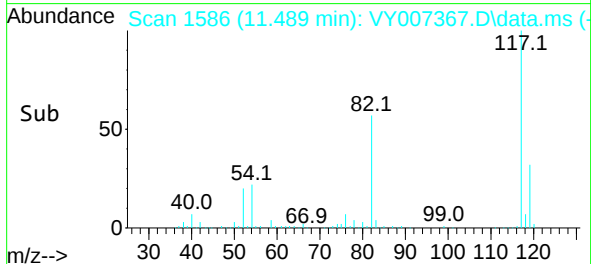
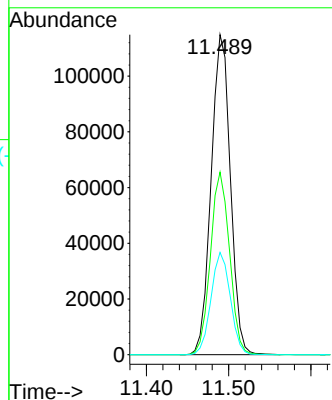
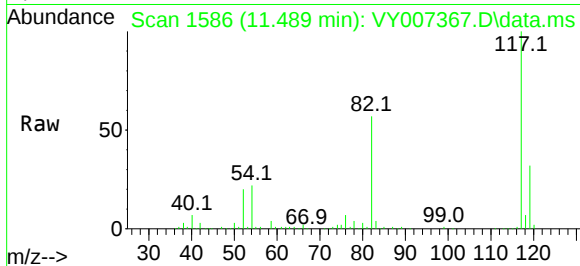




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

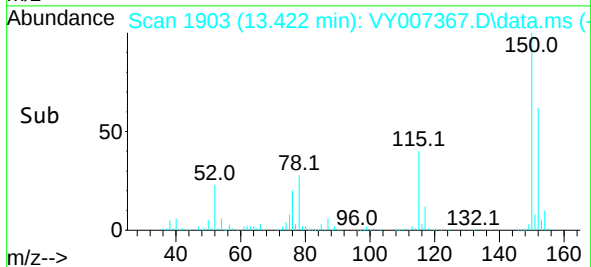
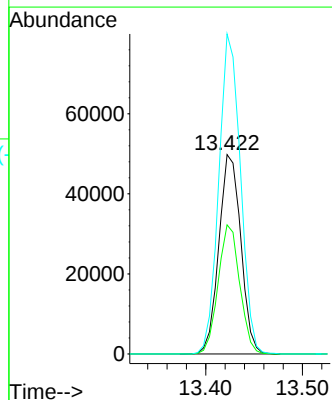
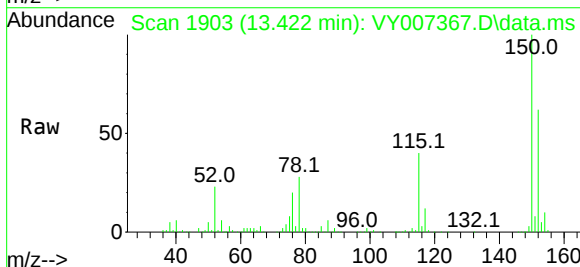
Instrument :  
MSVOA\_Y  
ClientSampleId :

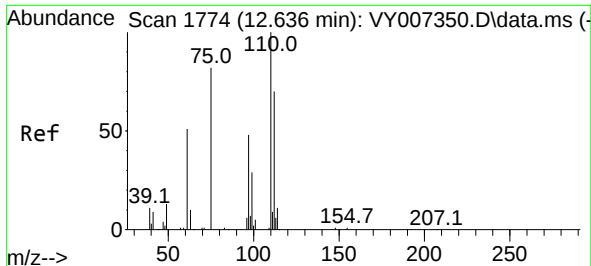
Tgt Ion:117 Resp: 186702  
Ion Ratio Lower Upper  
117 100  
82 57.1 43.0 64.4  
119 31.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Tgt Ion:152 Resp: 78460  
Ion Ratio Lower Upper  
152 100  
115 63.7 28.2 84.7  
150 158.3 0.0 347.6

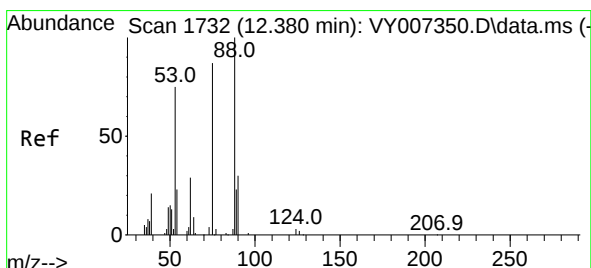
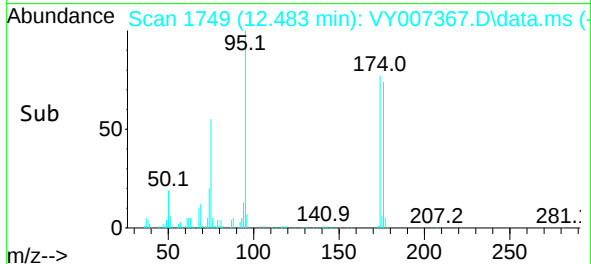
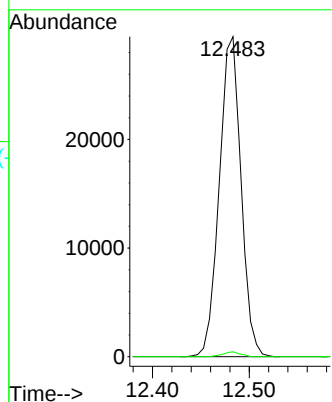
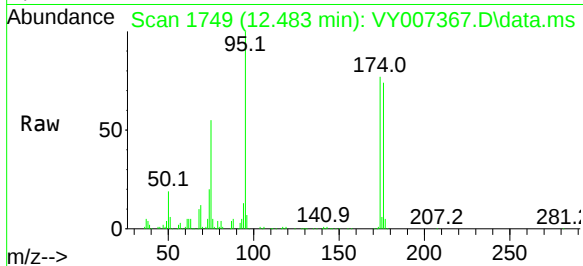




#76  
1,2,3-Trichloropropane  
Concen: 49.181 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 45873  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 98.530 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY007367.D  
Acq: 03 Feb 2022 10:35

Tgt Ion: 75 Resp: 45873  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

