

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
 Data File : VY006558.D  
 Acq On : 01 Nov 2021 17:41  
 Operator : SY/MD  
 Sample : M4424-02  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 02 03:30:57 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

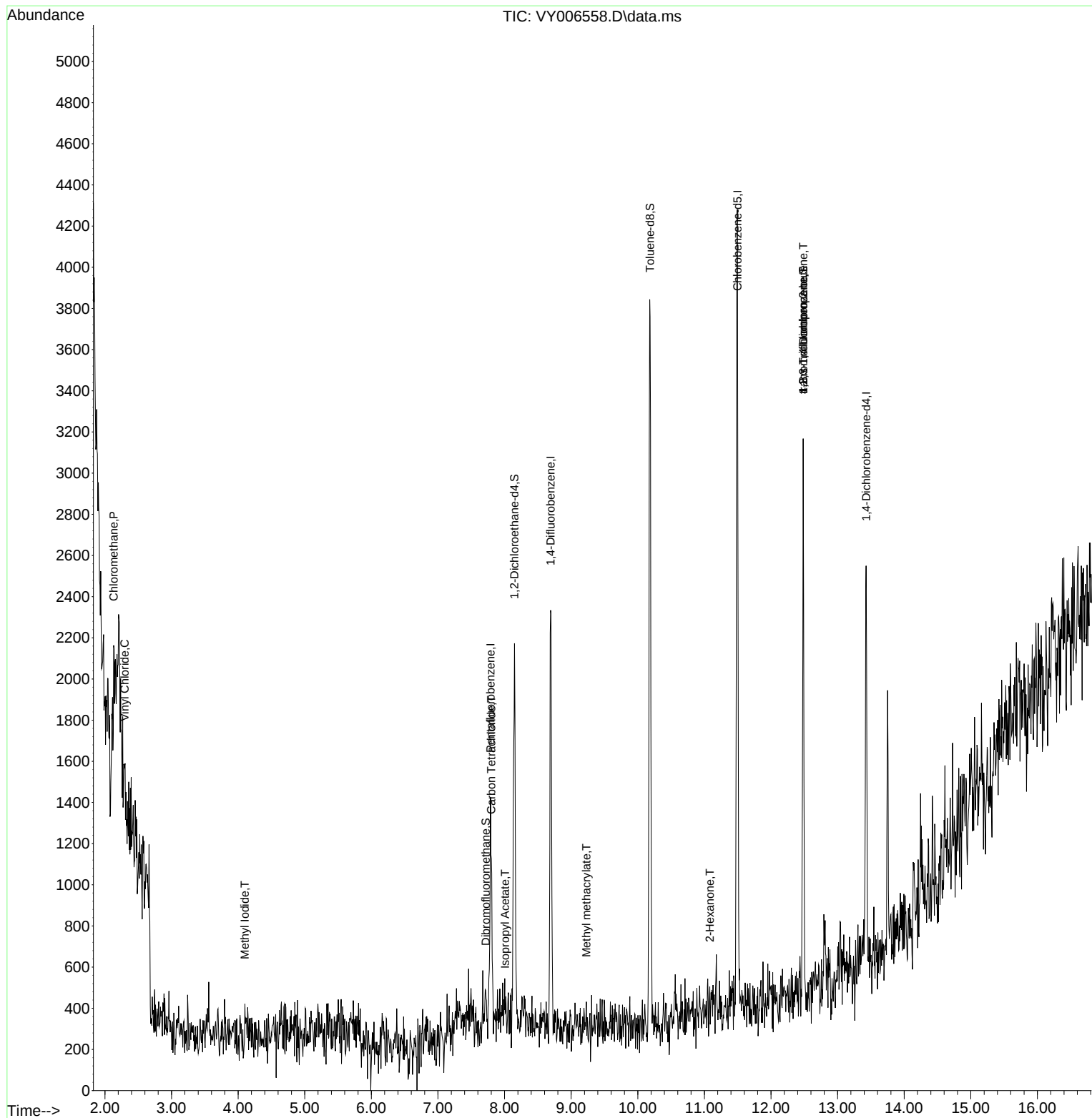
| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 1054     | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 2002     | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 2453     | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 501      | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 1452     | 111.949  | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 223.900%# |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 89       | 7.976    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 15.960%#  |          |
| 50) Toluene-d8                | 10.185 | 98    | 2708     | 57.248   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 114.500%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 858      | 53.846   | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 107.700%  |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 3) Chloromethane              | 2.132  | 50    | 25       | 1.901    | ug/l #      | 43       |
| 4) Vinyl Chloride             | 2.296  | 62    | 134      | 9.124    | ug/l #      | 44       |
| 10) Methyl Iodide             | 4.101  | 142   | 22       | 6.964    | ug/l #      | 36       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 53       | 2.429    | ug/l #      | 12       |
| 43) Isopropyl Acetate         | 8.009  | 43    | 46       | 1.894    | ug/l #      | 56       |
| 48) Methyl methacrylate       | 9.228  | 41    | 29       | 2.576    | ug/l #      | 16       |
| 59) 2-Hexanone                | 11.081 | 43    | 22       | 2.388    | ug/l #      | 28       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 422      | 81.741   | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 422      | 167.810  | ug/l #      | 7        |
| -----                         |        |       |          |          |             |          |

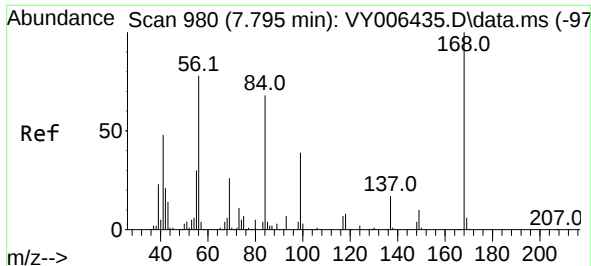
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 02 03:30:57 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

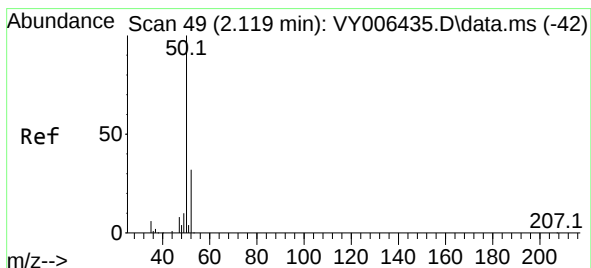
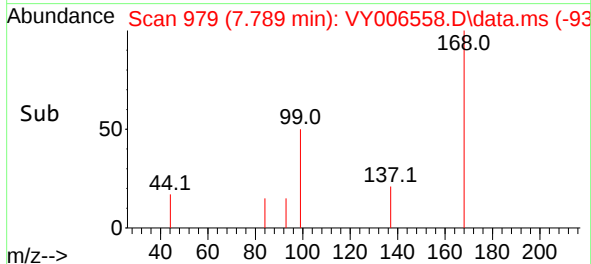
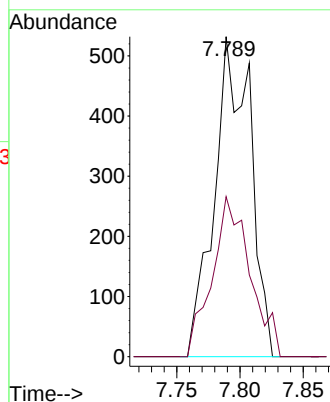
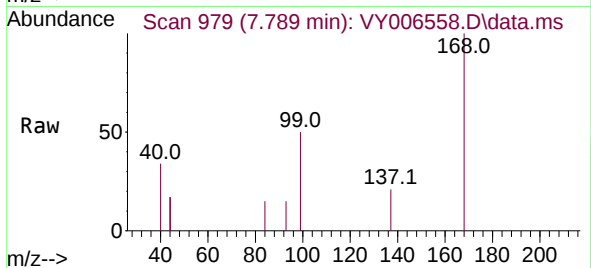




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

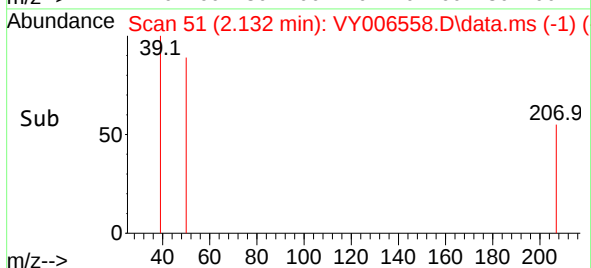
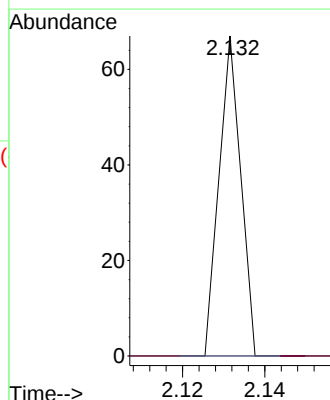
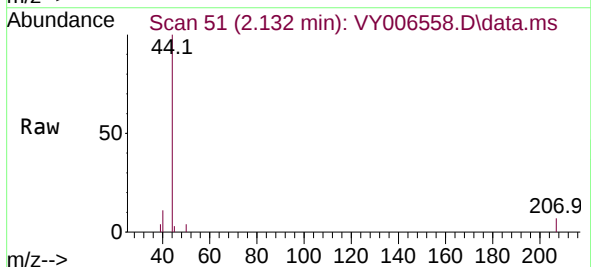
Instrument :  
MSVOA\_Y  
ClientSampleId :

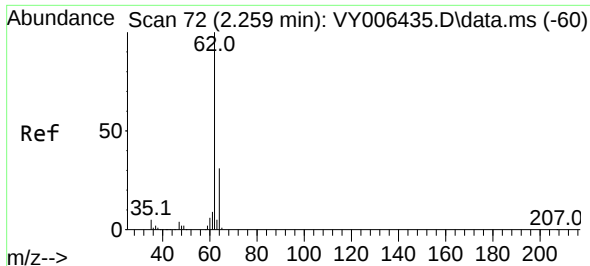
Tgt Ion:168 Resp: 1054  
Ion Ratio Lower Upper  
168 100  
99 50.0 44.8 67.2



#3  
Chloromethane  
Concen: 1.901 ug/l  
RT: 2.132 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

Tgt Ion: 50 Resp: 25  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#

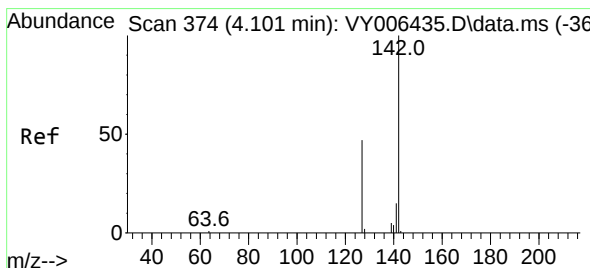
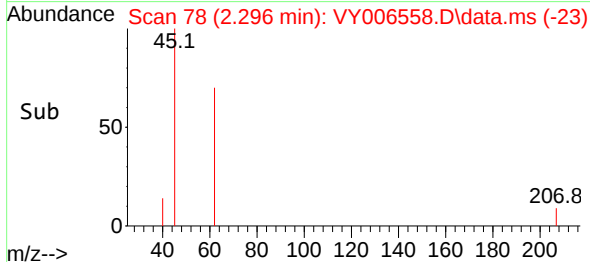
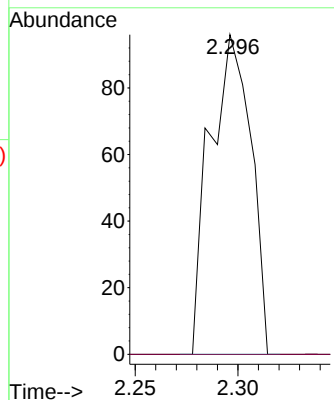
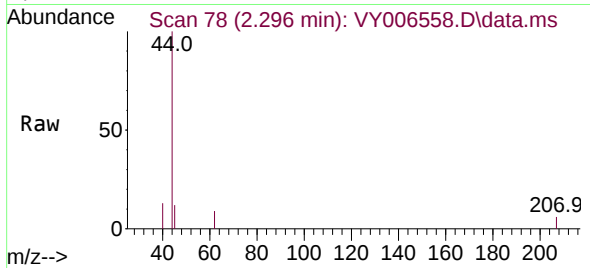




#4  
 Vinyl Chloride  
 Concen: 9.124 ug/l  
 RT: 2.296 min Scan# 71  
 Delta R.T. 0.037 min  
 Lab File: VY006558.D  
 Acq: 01 Nov 2021 17:41

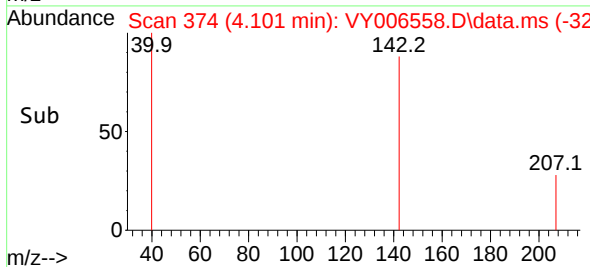
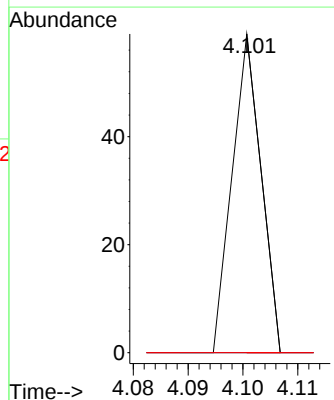
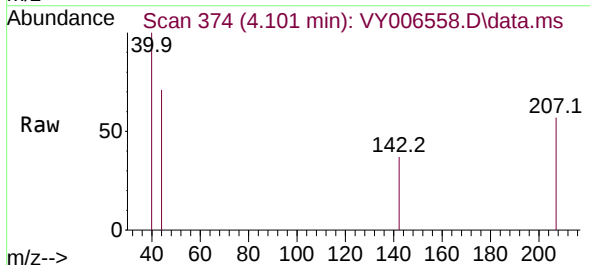
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

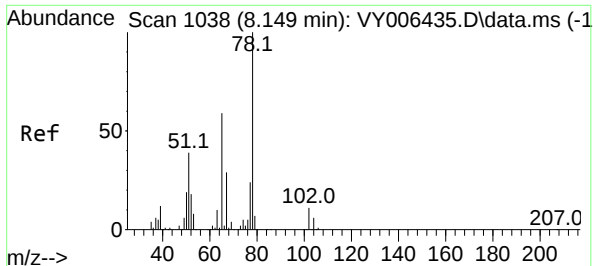
Tgt Ion: 62 Resp: 134  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 24.7 37.1#



#10  
 Methyl Iodide  
 Concen: 6.964 ug/l  
 RT: 4.101 min Scan# 374  
 Delta R.T. -0.000 min  
 Lab File: VY006558.D  
 Acq: 01 Nov 2021 17:41

Tgt Ion: 142 Resp: 22  
 Ion Ratio Lower Upper  
 142 100  
 127 0.0 40.1 60.1#  
 141 0.0 12.5 18.7#





#33

1,2-Dichloroethane-d4

Concen: 111.949 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY006558.D

Acq: 01 Nov 2021 17:41

Instrument :

MSVOA\_Y

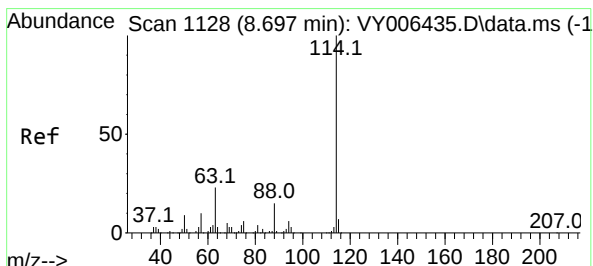
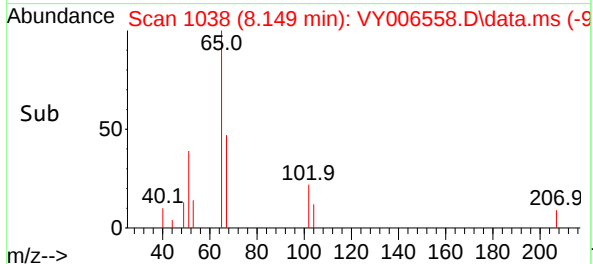
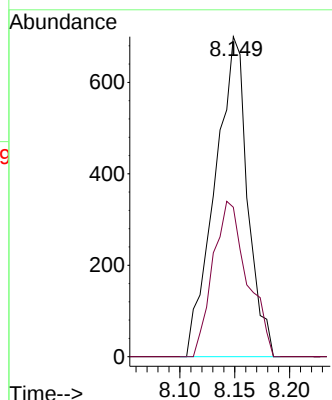
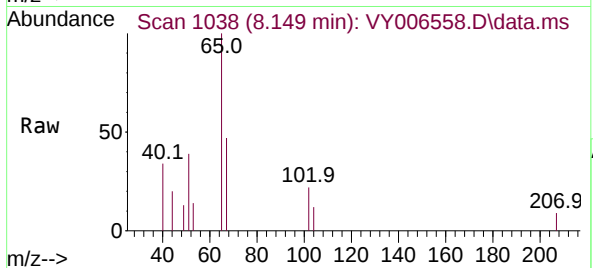
ClientSampleId :

Tgt Ion: 65 Resp: 1452

Ion Ratio Lower Upper

65 100

67 51.2 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006558.D

Acq: 01 Nov 2021 17:41

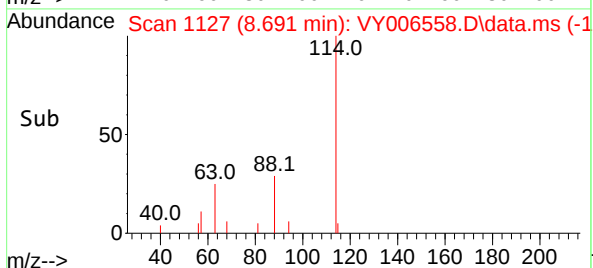
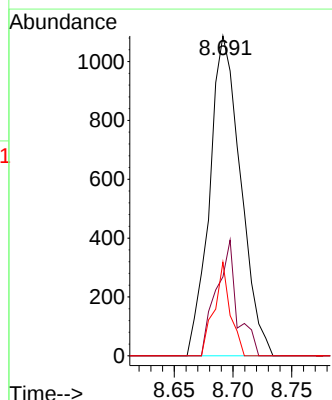
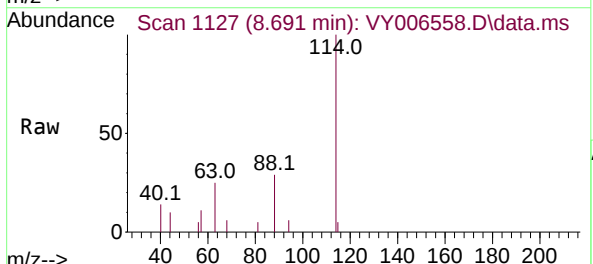
Tgt Ion: 114 Resp: 2002

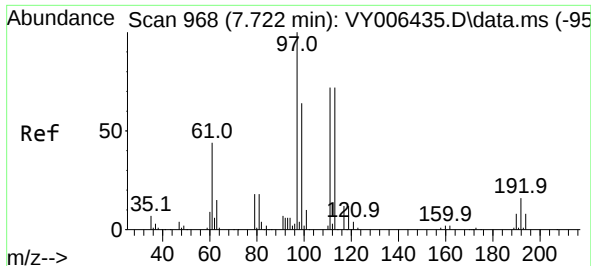
Ion Ratio Lower Upper

114 100

63 24.7 0.0 45.0

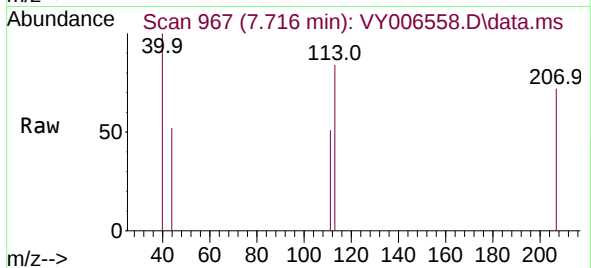
88 29.3 0.0 30.6



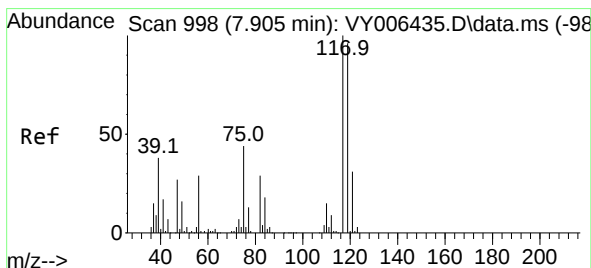
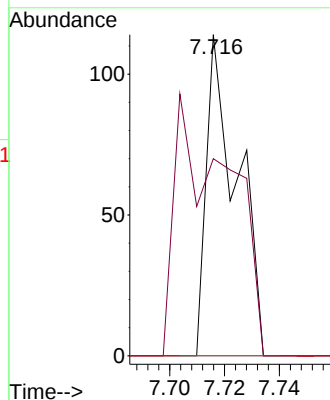
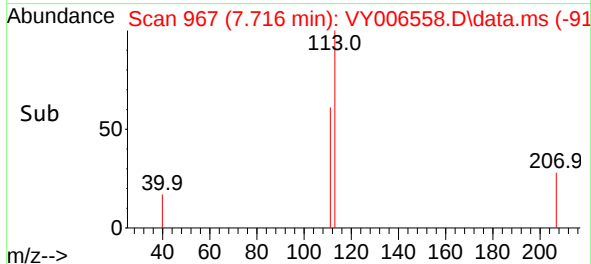


#35  
Dibromofluoromethane  
Concen: 7.976 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

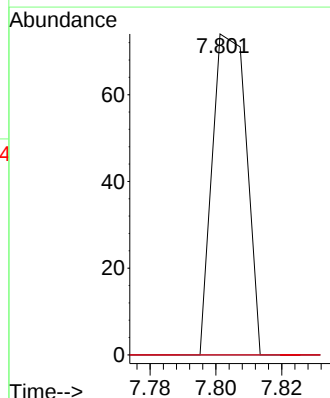
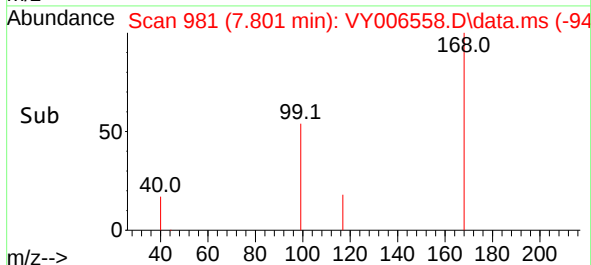
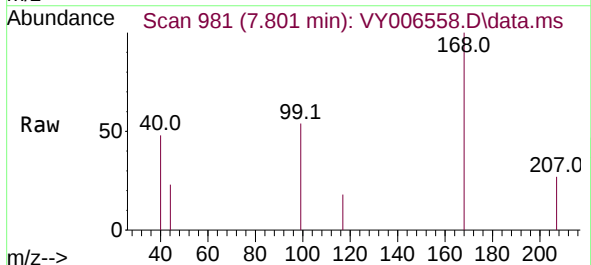


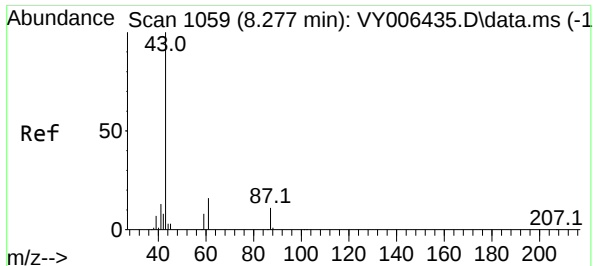
Tgt Ion:113 Resp: 89  
Ion Ratio Lower Upper  
113 100  
111 141.6 82.3 123.5#  
192 0.0 17.4 26.2#



#38  
Carbon Tetrachloride  
Concen: 2.429 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.104 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

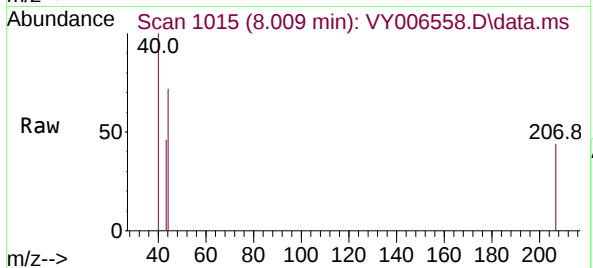
Tgt Ion:117 Resp: 53  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.6 115.0#  
121 0.0 24.7 37.1#



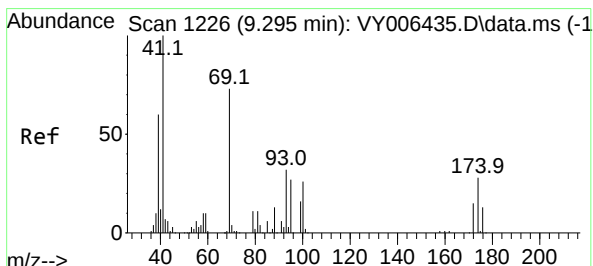
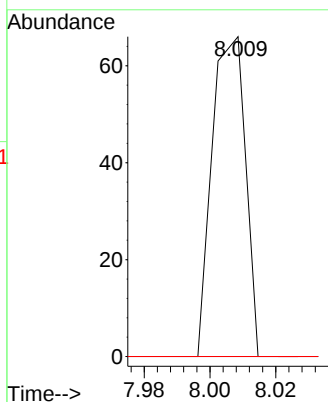
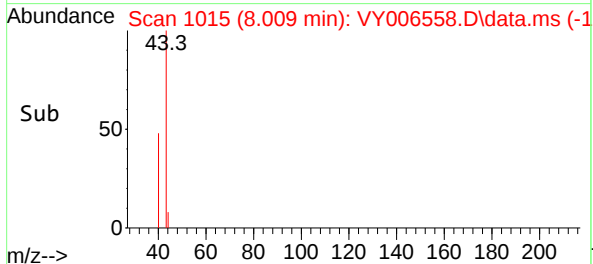


#43  
Isopropyl Acetate  
Concen: 1.894 ug/l  
RT: 8.009 min Scan# 11  
Delta R.T. -0.268 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

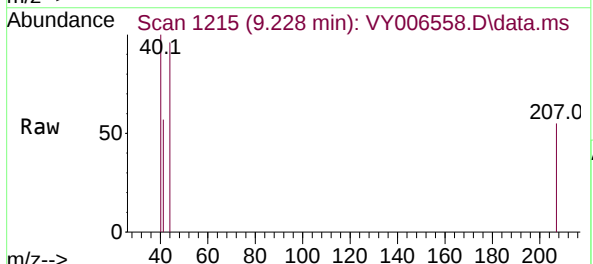
Instrument :  
MSVOA\_Y  
ClientSampleId :



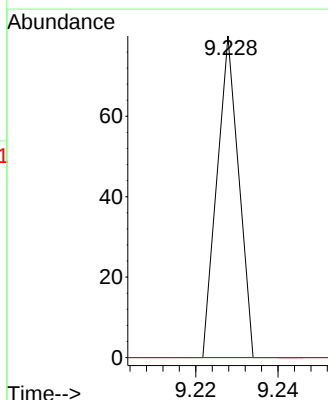
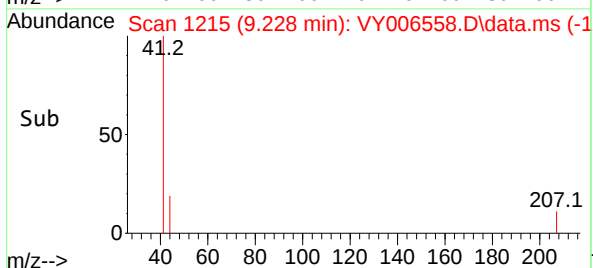
Tgt Ion: 43 Resp: 46  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.5 30.7#  
87 0.0 9.0 13.6#

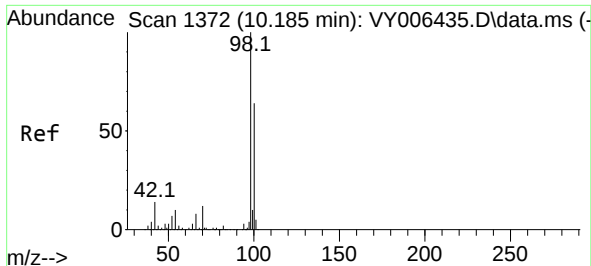


#48  
Methyl methacrylate  
Concen: 2.576 ug/l  
RT: 9.228 min Scan# 1215  
Delta R.T. -0.067 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41



Tgt Ion: 41 Resp: 29  
Ion Ratio Lower Upper  
41 100  
69 0.0 60.4 90.6#  
39 0.0 48.2 72.2#

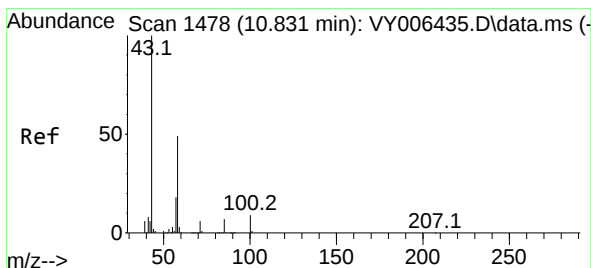
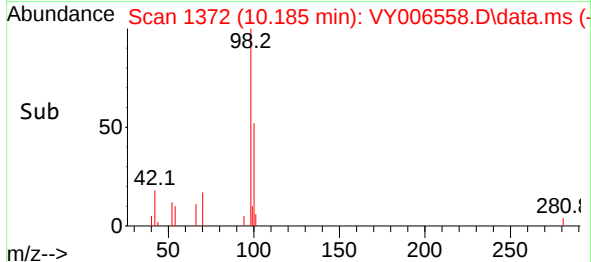
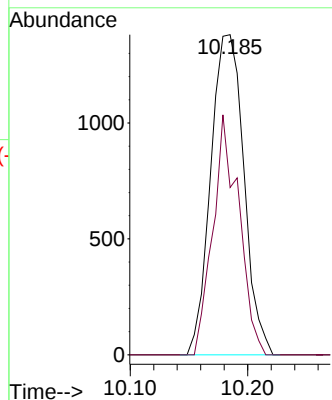
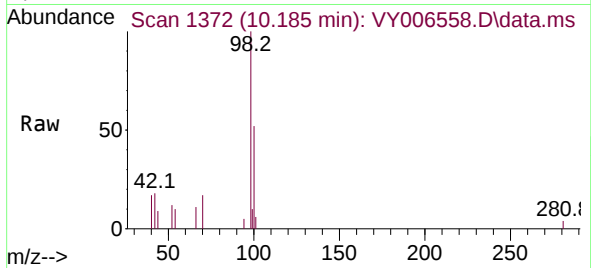




#50  
Toluene-d8  
Concen: 57.248 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

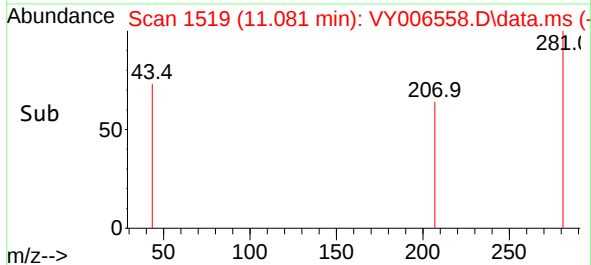
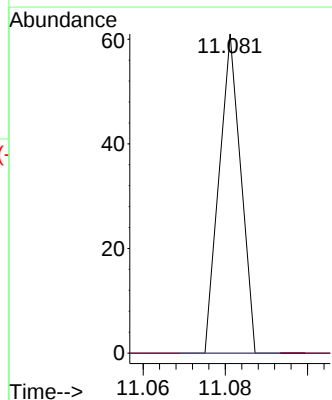
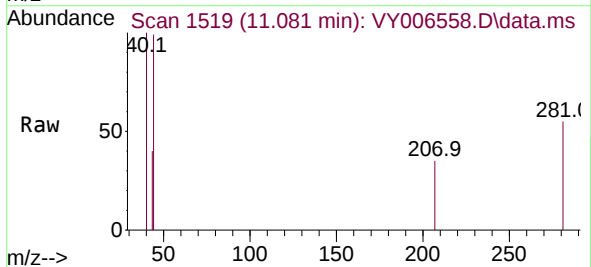
Instrument :  
MSVOA\_Y  
ClientSampleId :

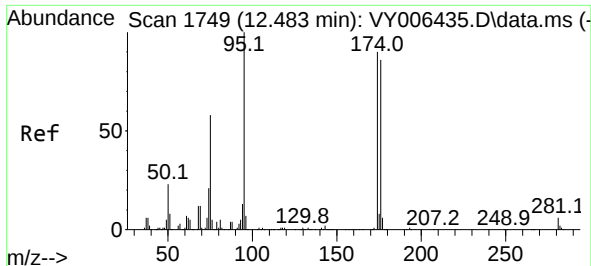
Tgt Ion: 98 Resp: 2708  
Ion Ratio Lower Upper  
98 100  
100 58.8 50.9 76.3



#59  
2-Hexanone  
Concen: 2.388 ug/l  
RT: 11.081 min Scan# 1519  
Delta R.T. 0.250 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

Tgt Ion: 43 Resp: 22  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.6 73.6#

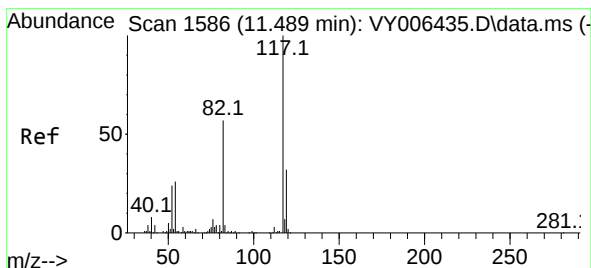
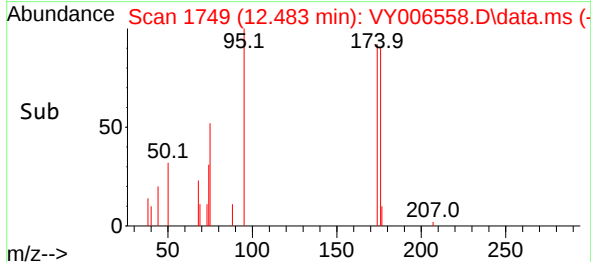
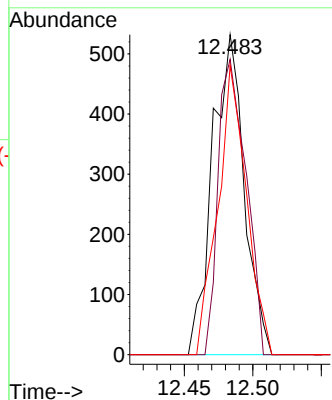
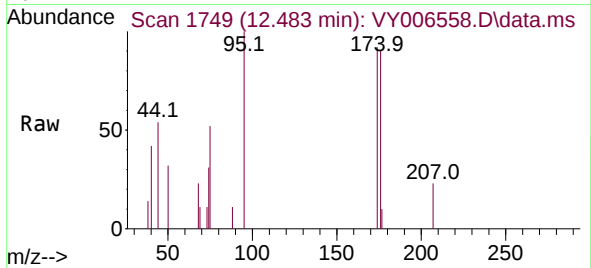




#62  
4-Bromofluorobenzene  
Concen: 53.846 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

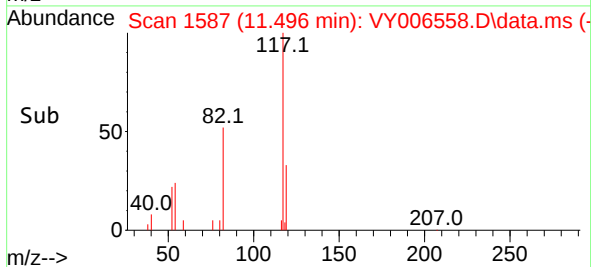
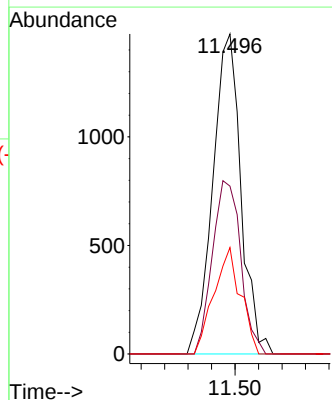
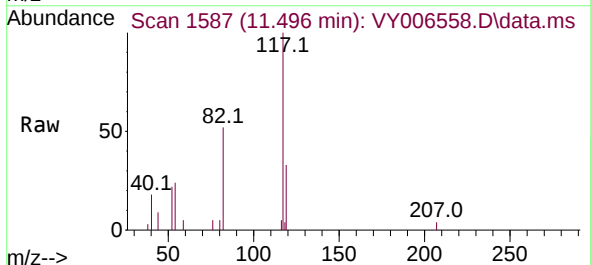
Instrument :  
MSVOA\_Y  
ClientSampleId :

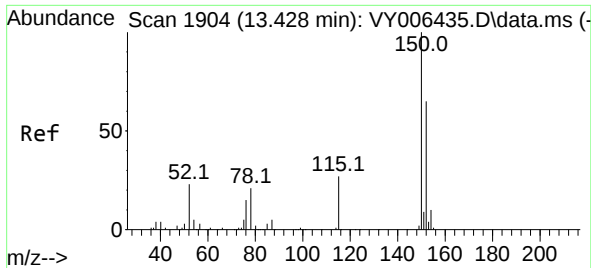
Tgt Ion: 95 Resp: 858  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 177.0  
176 81.6 0.0 169.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY006558.D  
Acq: 01 Nov 2021 17:41

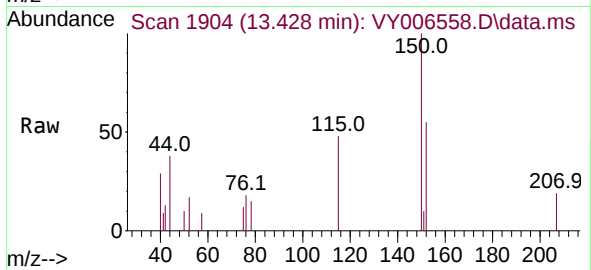
Tgt Ion: 117 Resp: 2453  
Ion Ratio Lower Upper  
117 100  
82 52.4 45.7 68.5  
119 33.2 25.5 38.3



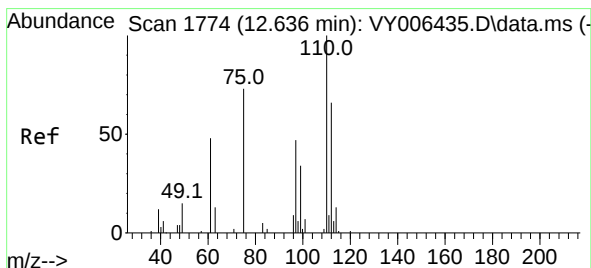
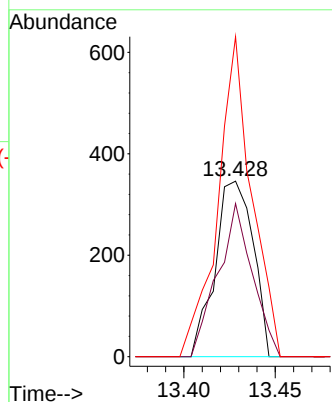
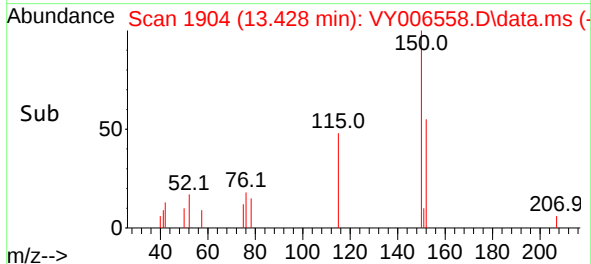


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006558.D  
 Acq: 01 Nov 2021 17:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

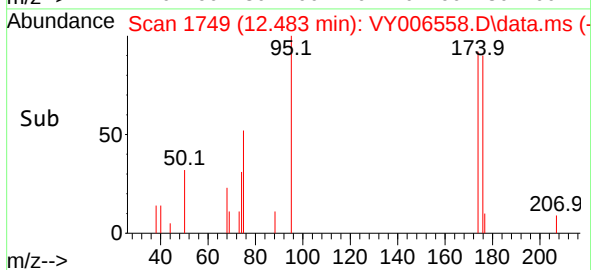
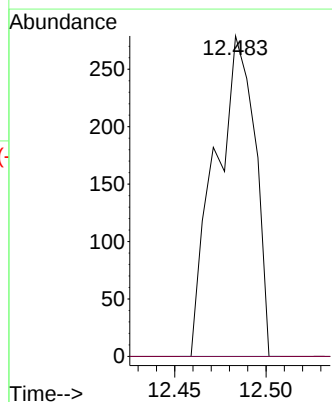
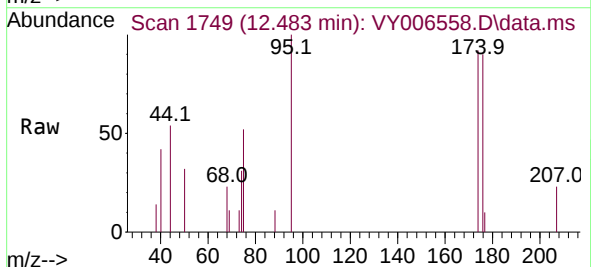


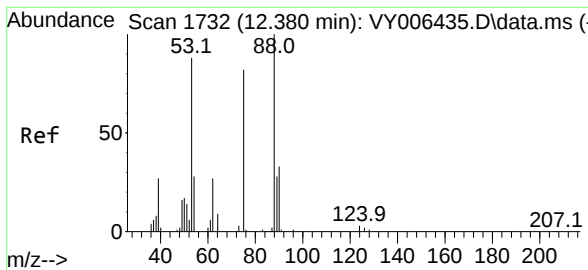
Tgt Ion:152 Resp: 501  
 Ion Ratio Lower Upper  
 152 100  
 115 79.4 28.5 85.5  
 150 162.3 0.0 348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 81.741 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY006558.D  
 Acq: 01 Nov 2021 17:41

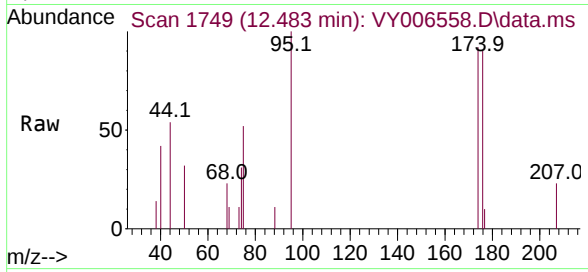
Tgt Ion: 75 Resp: 422  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 167.810 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY006558.D  
 Acq: 01 Nov 2021 17:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 422

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 85.8  | 128.6# |
| 89  | 0.0   | 39.3  | 58.9#  |

