

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061722\  
 Data File : VY009229.D  
 Acq On : 17 Jun 2022 16:05  
 Operator : KP/MD  
 Sample : N3383-07  
 Misc : 6.47g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 17 22:54:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 2022  
 Response via : Initial Calibration

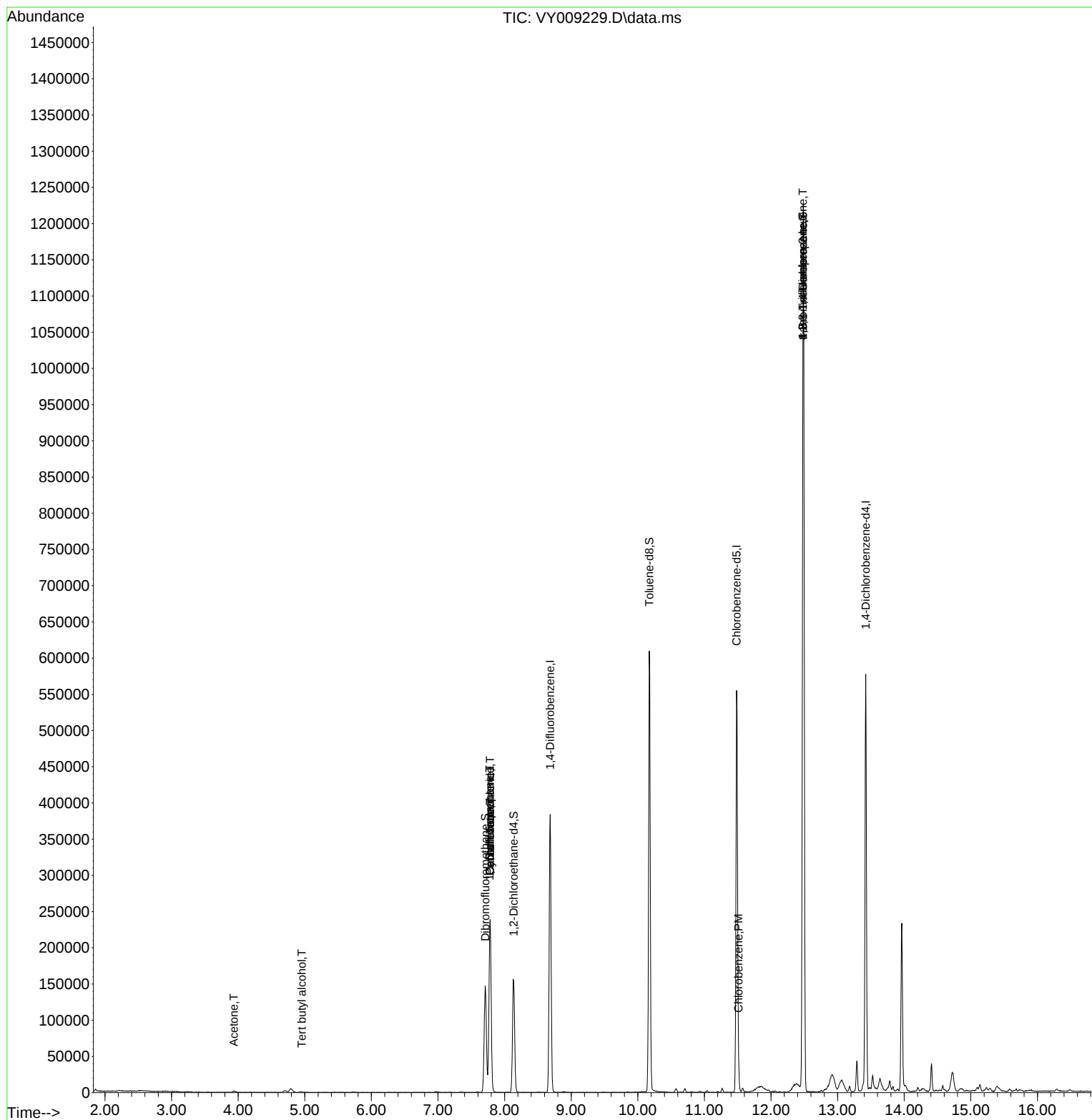
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 191223   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 331089   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 305854   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 145763   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 116667   | 58.406    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 116.820% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 101433   | 48.864    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 97.720%  |          |
| 50) Toluene-d8                | 10.173    | 98    | 388908   | 49.217    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 98.440%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 141483   | 50.386    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 100.780% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.954     | 59    | 1117     | 3.525     | ug/l #     | 94       |
| 13) Acrolein                  | 3.717     | 56    | 24       | Below Cal | #          | 1        |
| 16) Acetone                   | 3.936     | 43    | 2950     | 5.863     | ug/l       | 97       |
| 18) Methyl Acetate            | 4.460     | 43    | 242      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716     | 84    | 1625     | Below Cal | #          | 75       |
| 31) Cyclohexane               | 7.783     | 56    | 3689     | 1.031     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.777     | 75    | 14430    | 4.519     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 18046    | 5.466     | ug/l #     | 14       |
| 65) Chlorobenzene             | 11.514    | 112   | 13759    | 2.077     | ug/l       | 96       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 81560    | 50.675    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 81560    | 100.990   | ug/l #     | 9        |
| -----                         |           |       |          |           |            |          |

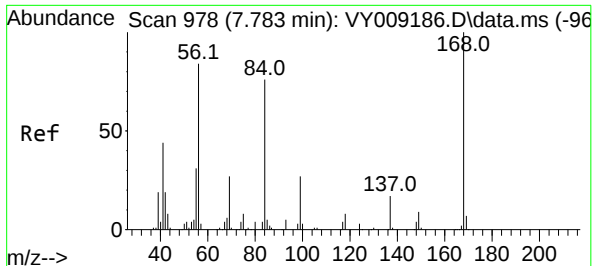
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061722\  
Data File : VY009229.D  
Acq On : 17 Jun 2022 16:05  
Operator : KP/MD  
Sample : N3383-07  
Misc : 6.47g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

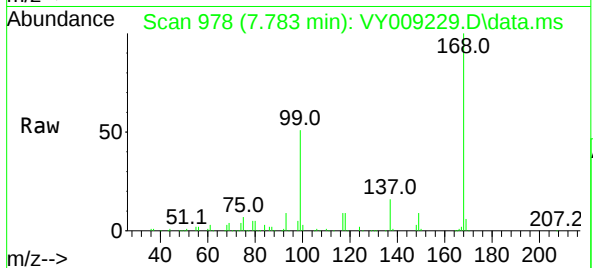
Quant Time: Jun 17 22:54:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 16 02:54:06 2022  
Response via : Initial Calibration



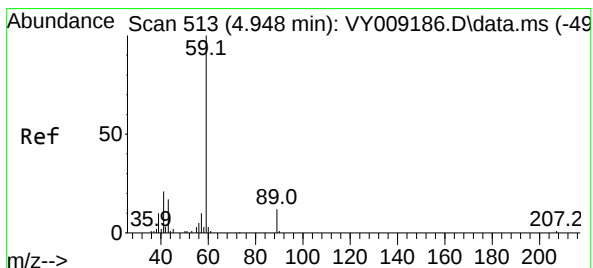
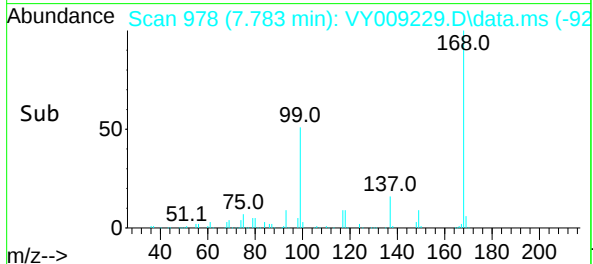
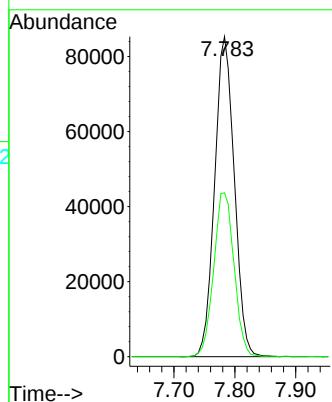


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

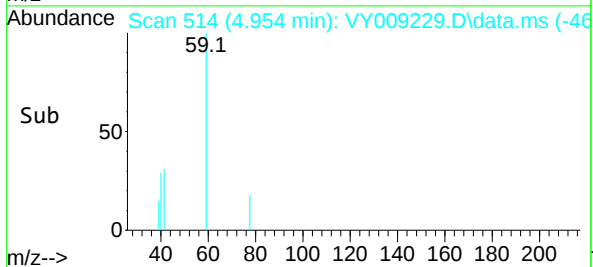
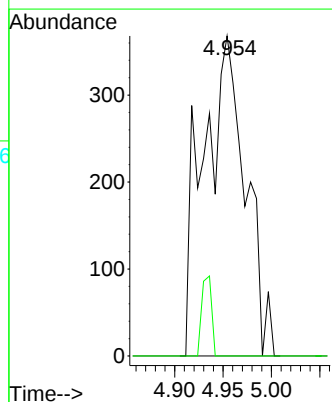
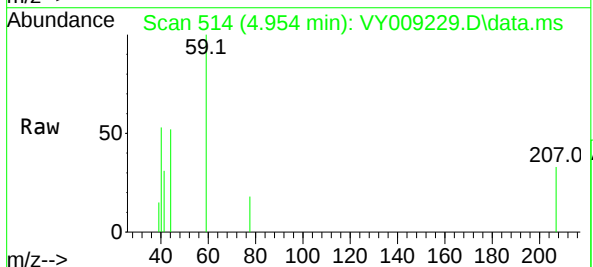


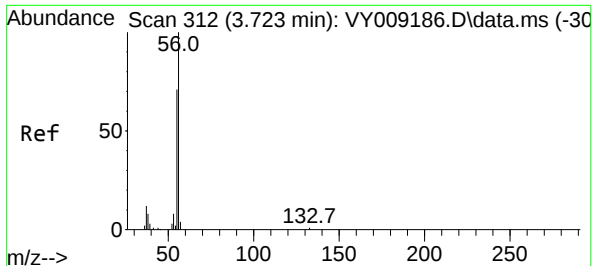
Tgt Ion:168 Resp: 191223  
Ion Ratio Lower Upper  
168 100  
99 51.2 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 3.525 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

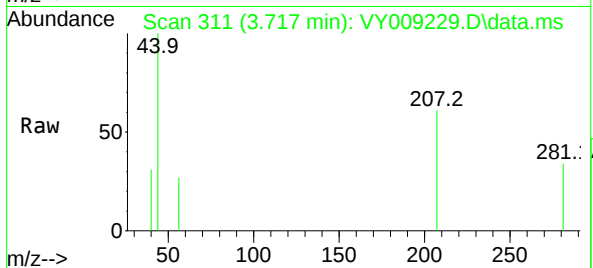
Tgt Ion: 59 Resp: 1117  
Ion Ratio Lower Upper  
59 100  
57 5.8 6.4 9.6#



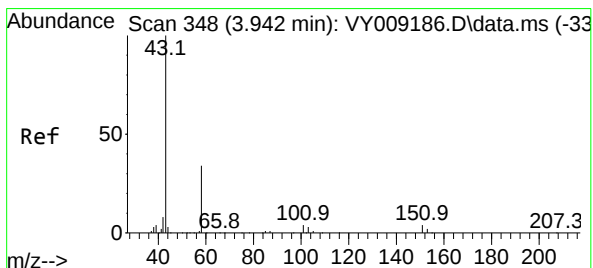
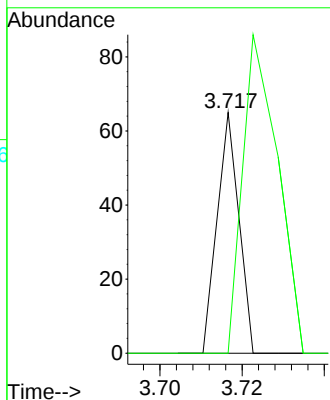
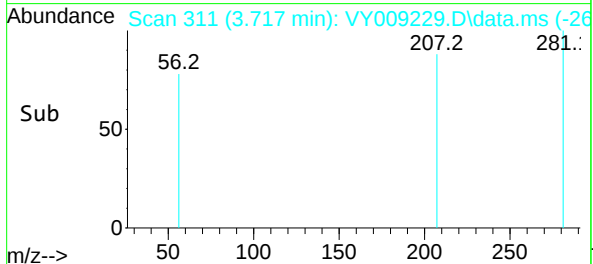


#13  
Acrolein  
Concen: Below Cal  
RT: 3.717 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

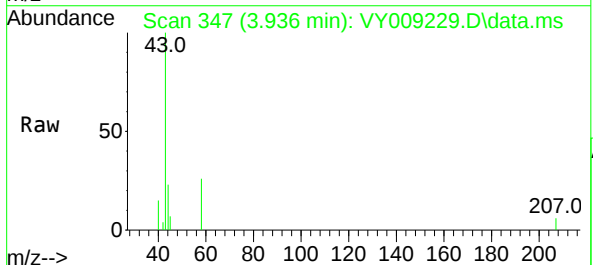
Instrument :  
MSVOA\_Y  
ClientSampleId :



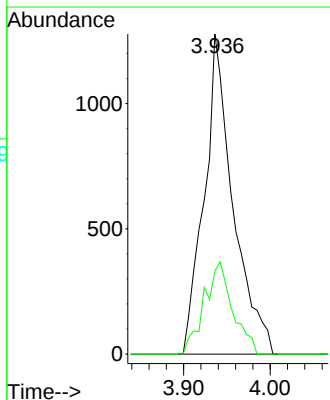
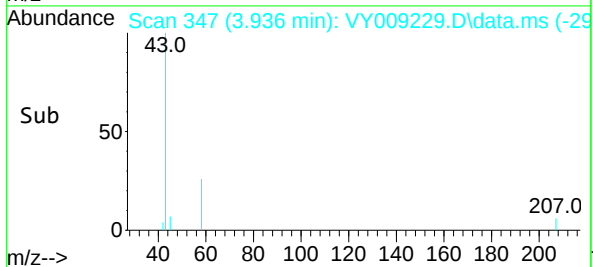
Tgt Ion: 56 Resp: 24  
Ion Ratio Lower Upper  
56 100  
55 212.5 57.6 86.4#

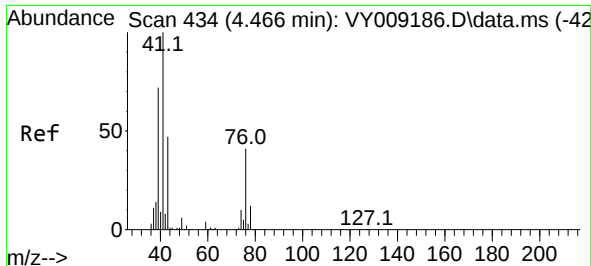


#16  
Acetone  
Concen: 5.863 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05



Tgt Ion: 43 Resp: 2950  
Ion Ratio Lower Upper  
43 100  
58 25.9 22.0 33.0

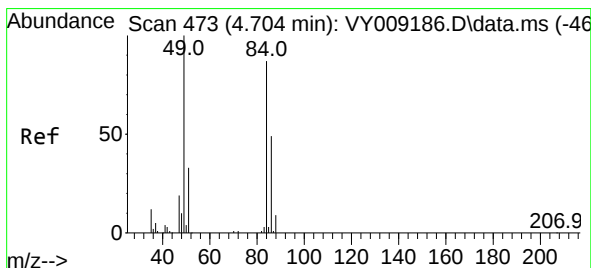
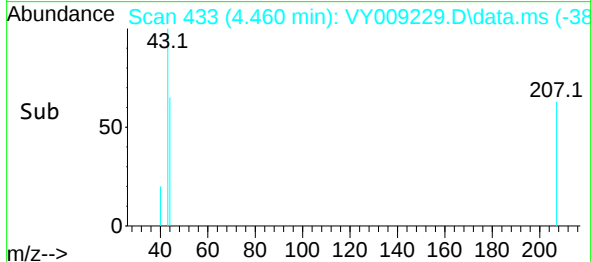
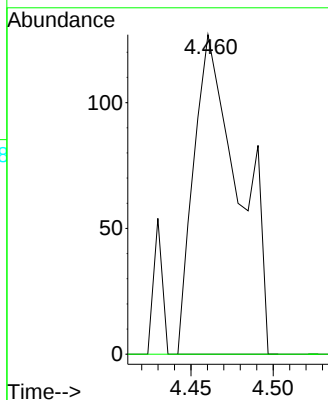
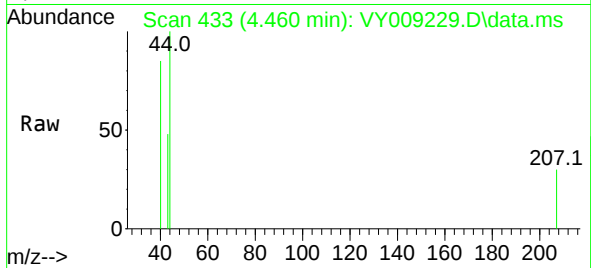




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.460 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

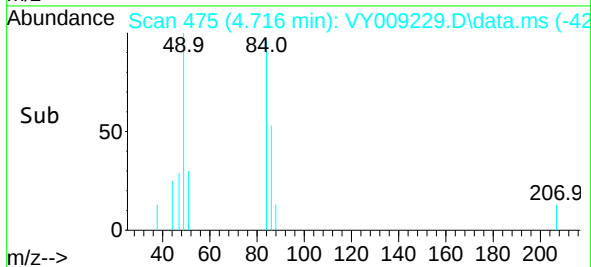
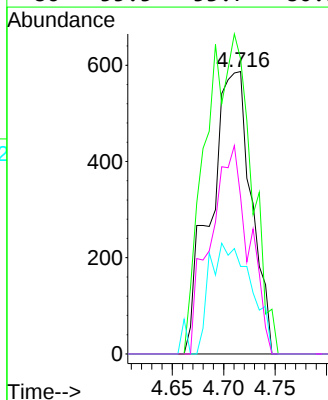
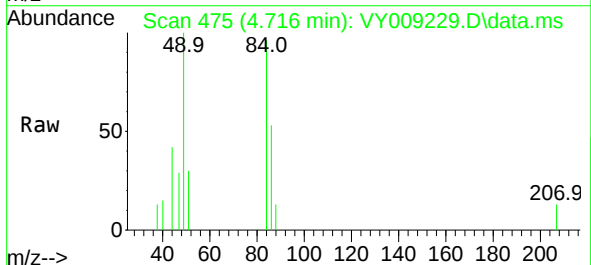
Instrument :  
MSVOA\_Y  
ClientSampleId :

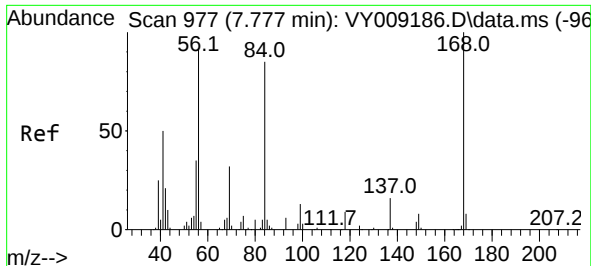
Tgt Ion: 43 Resp: 242  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

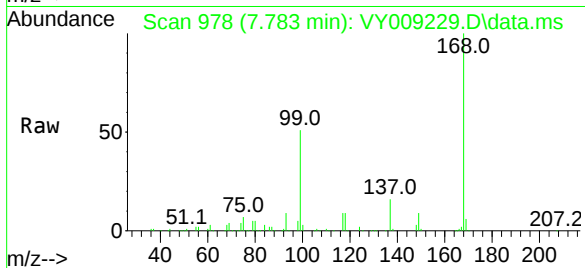
Tgt Ion: 84 Resp: 1625  
Ion Ratio Lower Upper  
84 100  
49 104.4 114.4 171.6#  
51 31.0 35.3 52.9#  
86 55.5 53.7 80.5



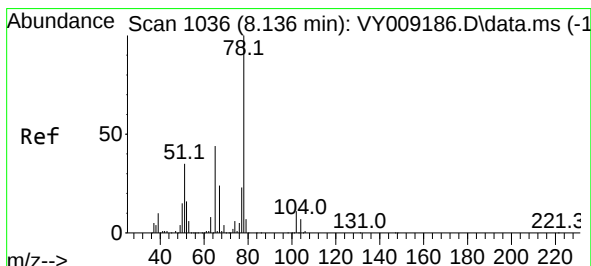
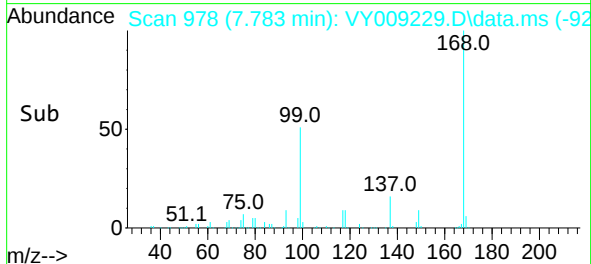
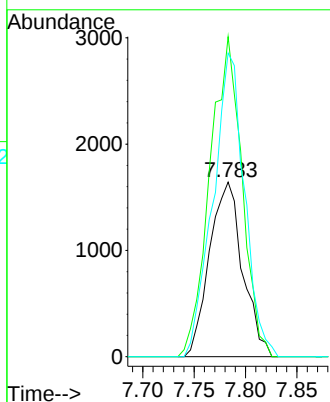


#31  
Cyclohexane  
Concen: 1.031 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

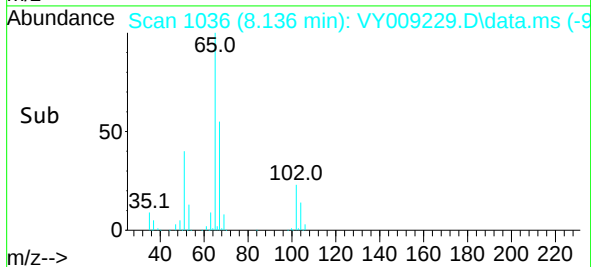
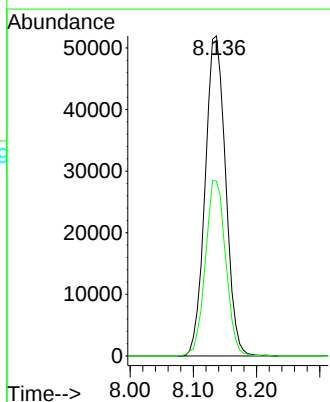
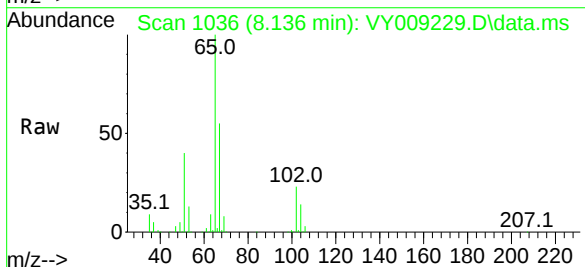


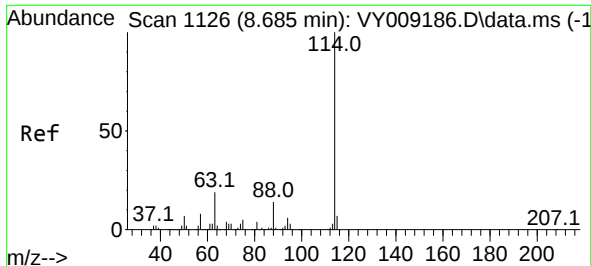
Tgt Ion: 56 Resp: 3689  
Ion Ratio Lower Upper  
56 100  
69 183.3 26.7 40.1#  
84 174.0 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 58.406 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Tgt Ion: 65 Resp: 116667  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 99.4

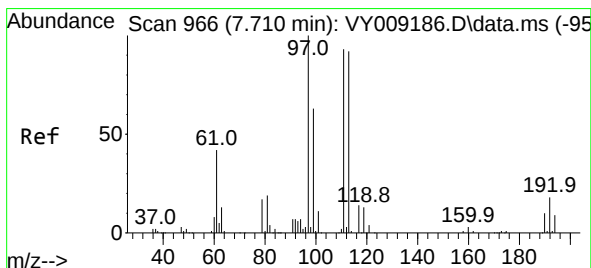
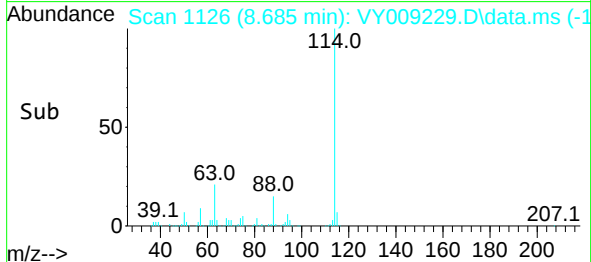
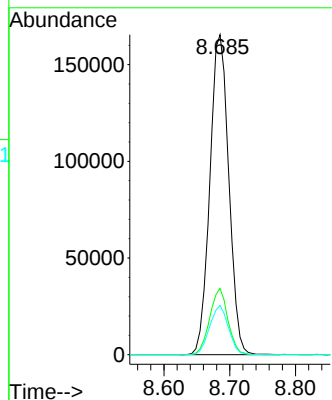
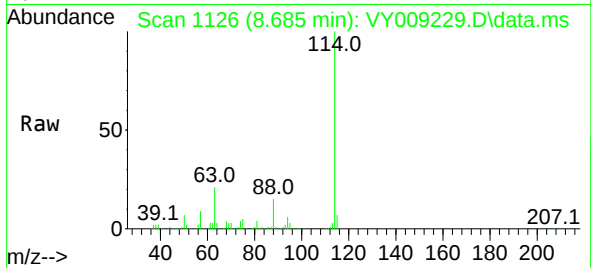




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

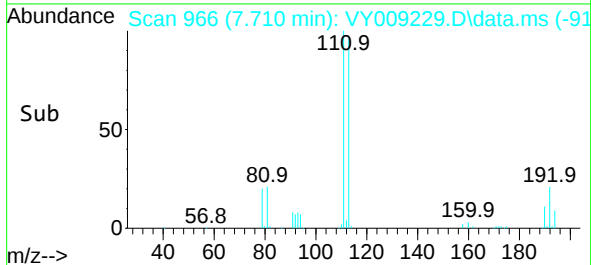
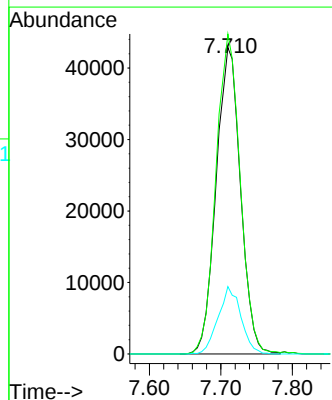
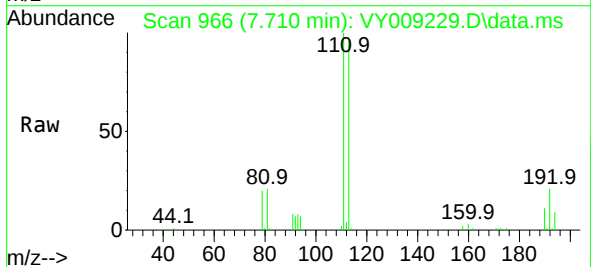
Instrument :  
MSVOA\_Y  
ClientSampleId :

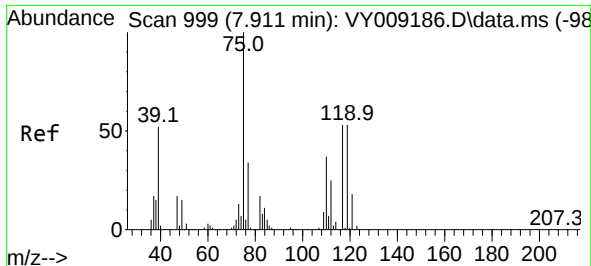
Tgt Ion:114 Resp: 331089  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.2  
88 15.4 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.864 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Tgt Ion:113 Resp: 101433  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.6 124.0  
192 20.6 17.6 26.4

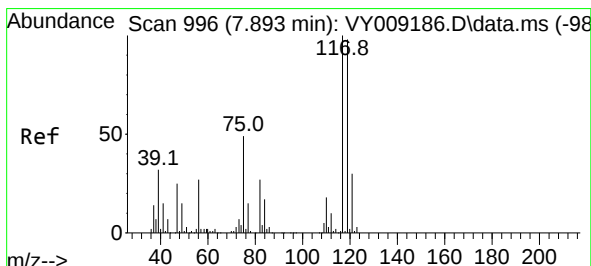
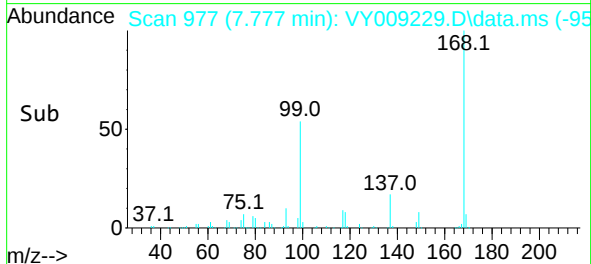
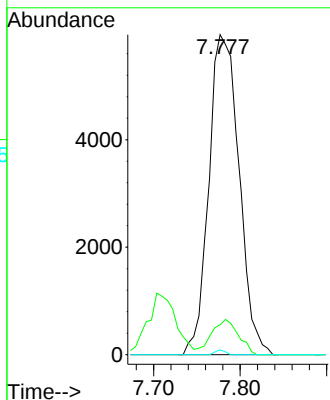
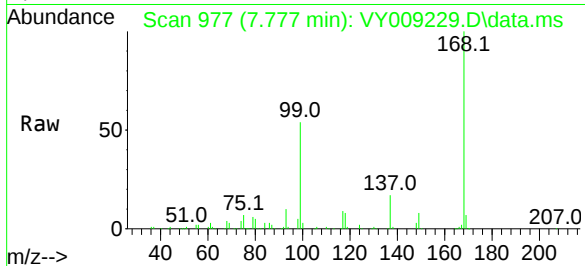




#36  
1,1-Dichloropropene  
Concen: 4.519 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

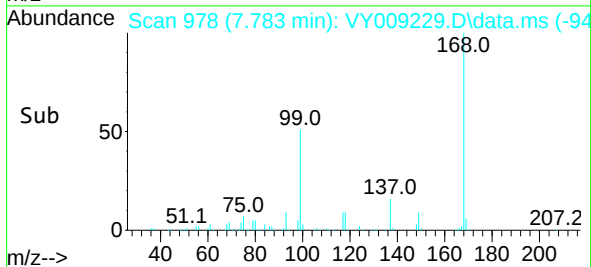
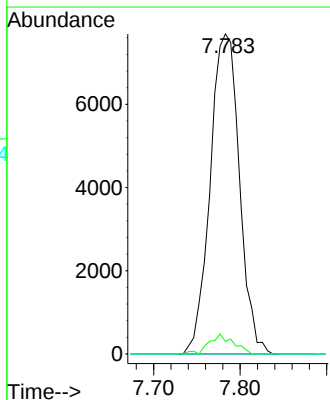
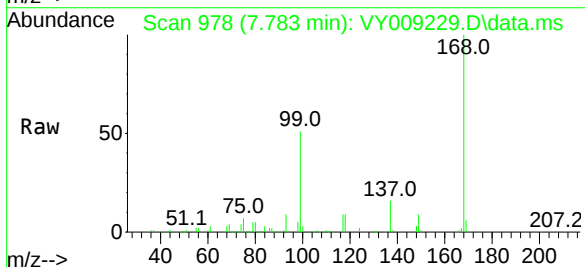
Instrument :  
MSVOA\_Y  
ClientSampleId :

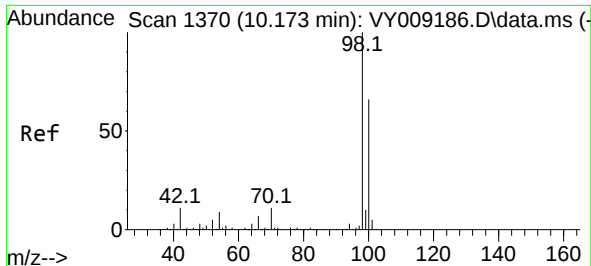
Tgt Ion: 75 Resp: 14430  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.1 51.2#  
77 0.5 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 5.466 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Tgt Ion: 117 Resp: 18046  
Ion Ratio Lower Upper  
117 100  
119 3.9 77.9 116.9#  
121 0.0 24.8 37.2#

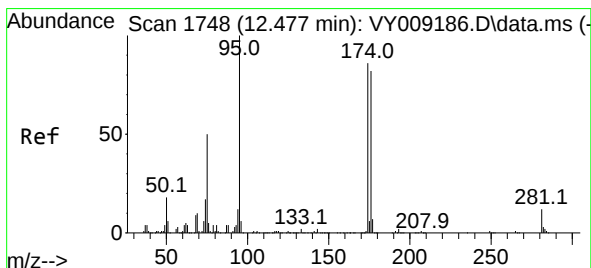
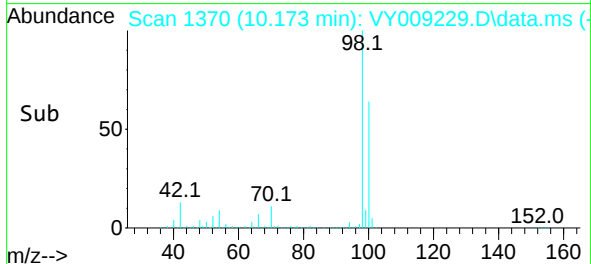
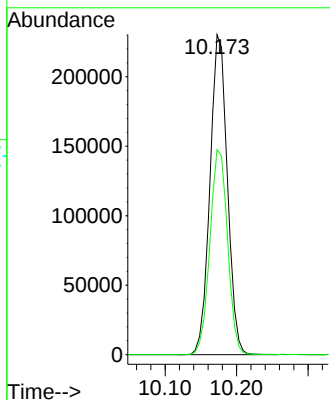
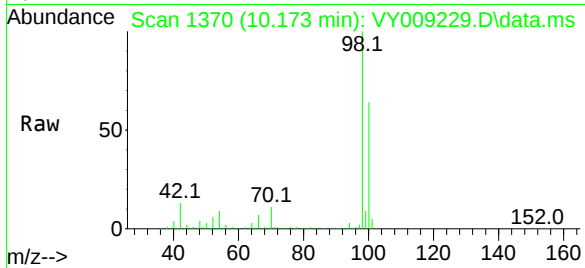




#50  
Toluene-d8  
Concen: 49.217 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

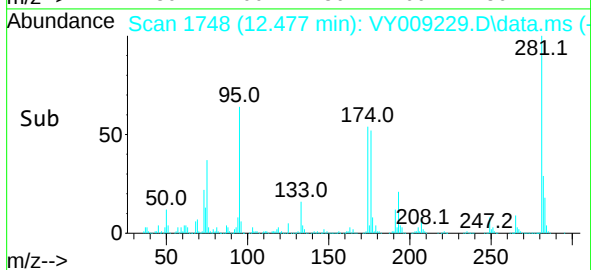
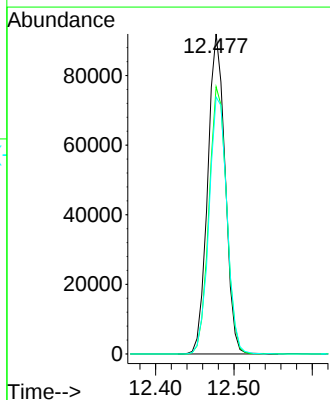
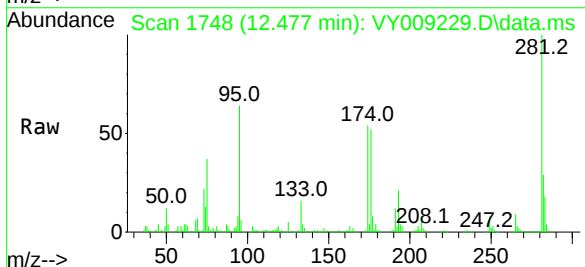
Instrument :  
MSVOA\_Y  
ClientSampleId :

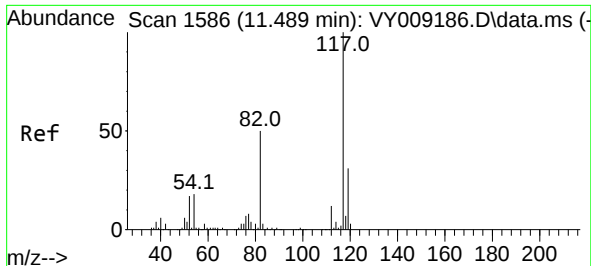
Tgt Ion: 98 Resp: 388908  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 50.386 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

Tgt Ion: 95 Resp: 141483  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 82.9 0.0 175.8

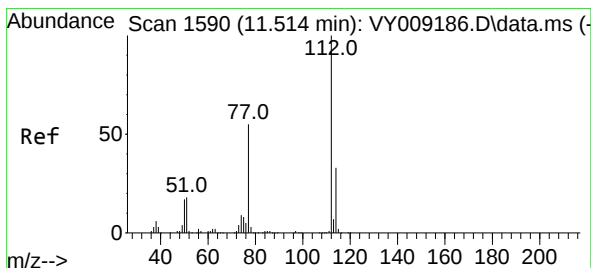
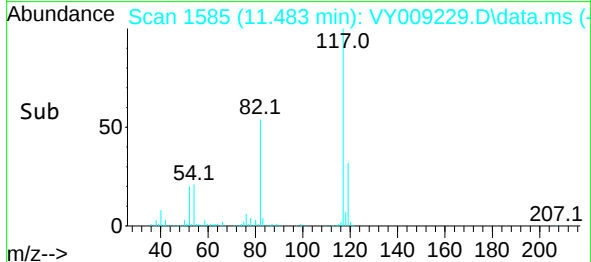
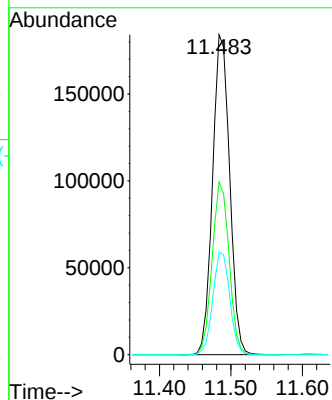
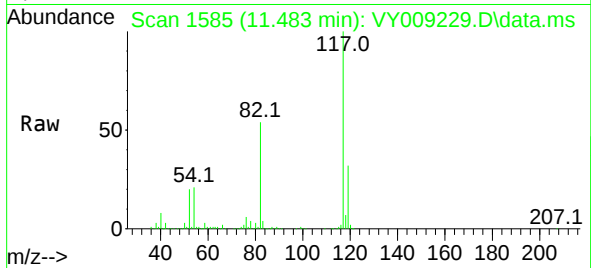




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

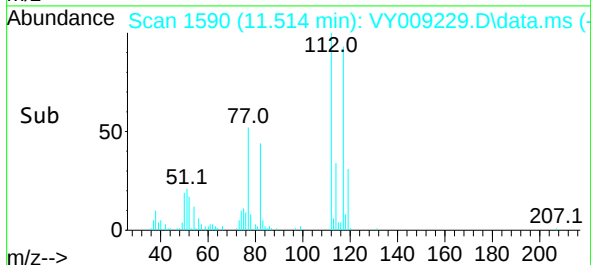
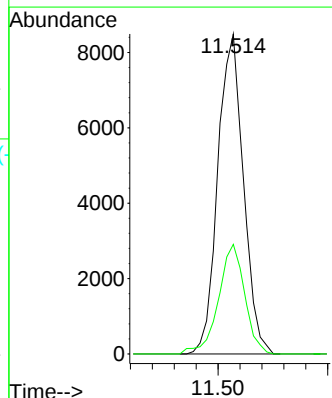
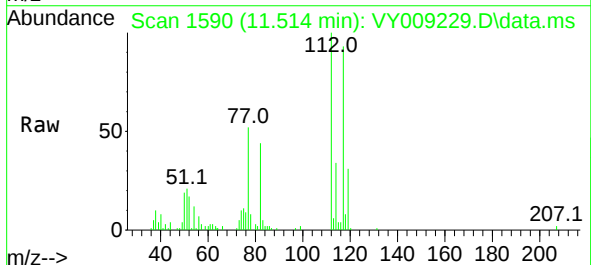
Instrument :  
MSVOA\_Y  
ClientSampleId :

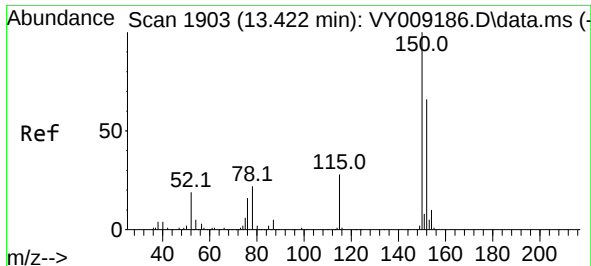
Tgt Ion:117 Resp: 305854  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.4  
119 32.1 25.4 38.0



#65  
Chlorobenzene  
Concen: 2.077 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY009229.D  
Acq: 17 Jun 2022 16:05

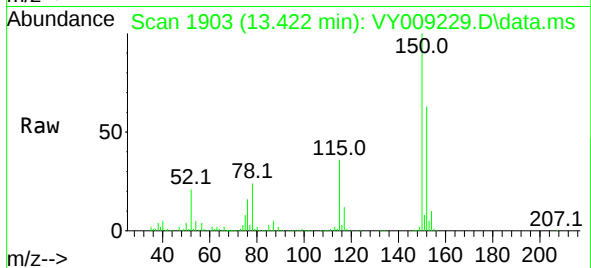
Tgt Ion:112 Resp: 13759  
Ion Ratio Lower Upper  
112 100  
114 34.3 25.8 38.6



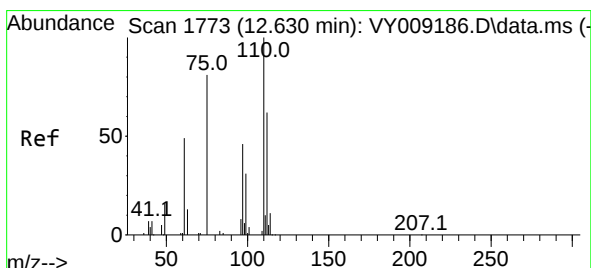
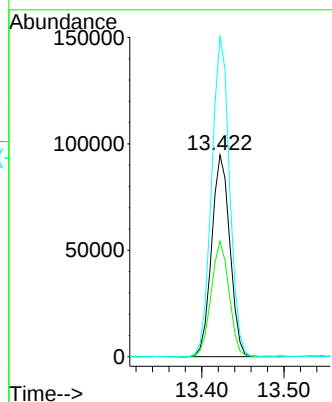
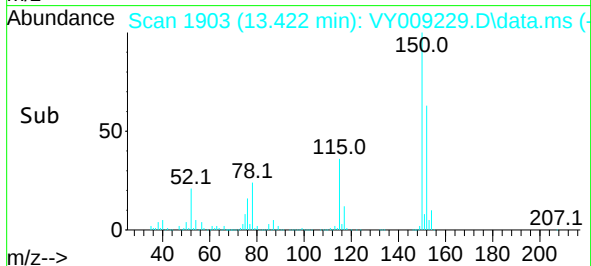


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY009229.D  
 Acq: 17 Jun 2022 16:05

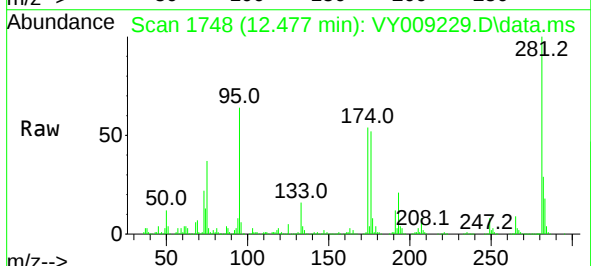
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



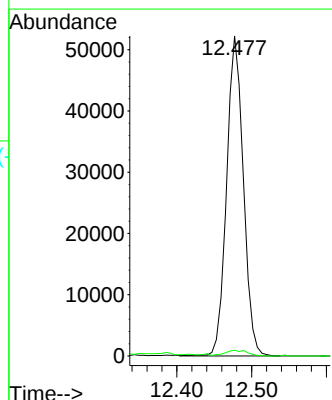
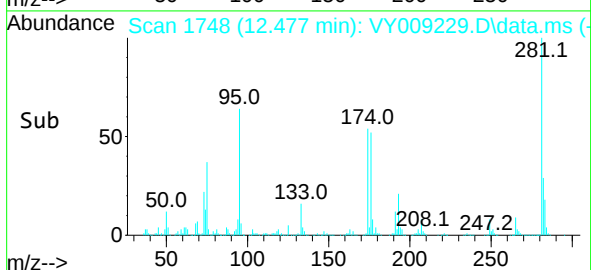
Tgt Ion:152 Resp: 145763  
 Ion Ratio Lower Upper  
 152 100  
 115 56.1 28.2 84.7  
 150 156.4 0.0 347.6

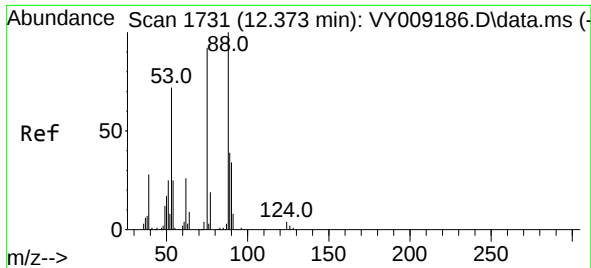


#76  
 1,2,3-Trichloropropane  
 Concen: 50.675 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY009229.D  
 Acq: 17 Jun 2022 16:05



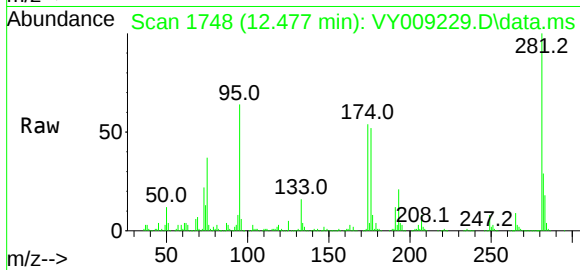
Tgt Ion: 75 Resp: 81560  
 Ion Ratio Lower Upper  
 75 100  
 77 2.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.990 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009229.D  
 Acq: 17 Jun 2022 16:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 81560  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 3.5 37.0 55.4#

