

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
 Data File : VY005429.D  
 Acq On : 23 Jul 2021 20:32  
 Operator : SY/MD  
 Sample : M3159-02  
 Misc : 8.92G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210730-42

Quant Time: Jul 24 03:03:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 2021  
 Response via : Initial Calibration

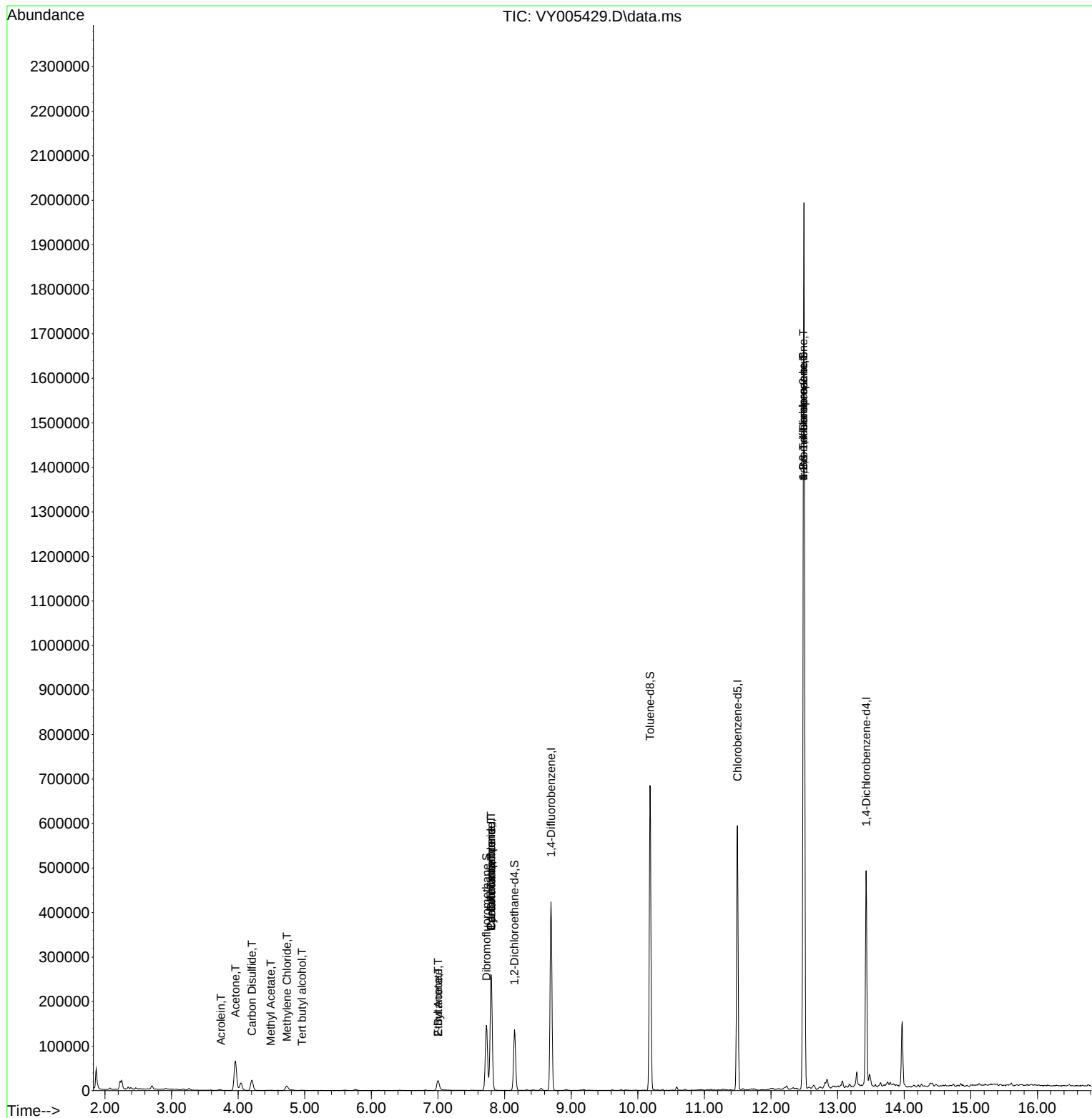
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 212147     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 353315     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 310611     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 123700     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148          | 65   | 110098     | 48.577   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 97.160%  |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 100003     | 49.019   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 98.040%  |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 439870     | 50.872   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 101.740% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 129586     | 45.409   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 90.820%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      | Qvalue     |          |        |          |
| 11) Tert butyl alcohol        | 4.960          | 59   | 1328       | 6.203    | ug/l # | 82       |
| 13) Acrolein                  | 3.741          | 56   | 1472       | 7.508    | ug/l # | 14       |
| 16) Acetone                   | 3.960          | 43   | 115260     | 222.686  | ug/l   | 99       |
| 17) Carbon Disulfide          | 4.204          | 76   | 46589      | 6.946    | ug/l   | 100      |
| 18) Methyl Acetate            | 4.491          | 43   | 1538       | 1.057    | ug/l # | 71       |
| 20) Methylene Chloride        | 4.734          | 84   | 7150       | 1.335    | ug/l   | 94       |
| 25) 2-Butanone                | 7.002          | 43   | 34593      | 44.630   | ug/l   | 95       |
| 31) Cyclohexane               | 7.801          | 56   | 4562       | 1.179    | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 7.795          | 75   | 15460      | 4.525    | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.002          | 43   | 34593      | 16.635   | ug/l # | 70       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 20171      | 5.403    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 80987      | 66.537   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 80987      | 129.195  | ug/l # | 13       |
| -----                         |                |      |            |          |        |          |

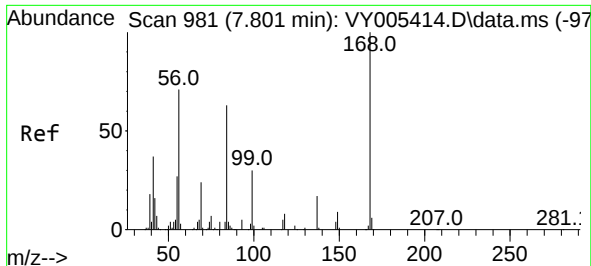
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072321\  
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Sample : M3159-02  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

Quant Time: Jul 24 03:03:35 2021  
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Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:20:14 2021  
Response via : Initial Calibration

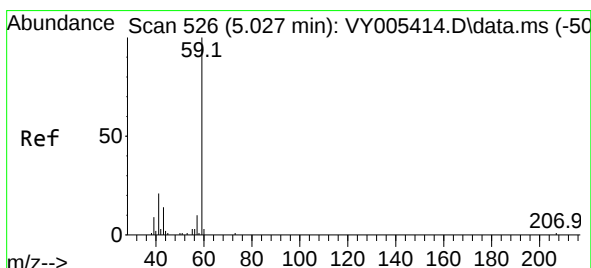
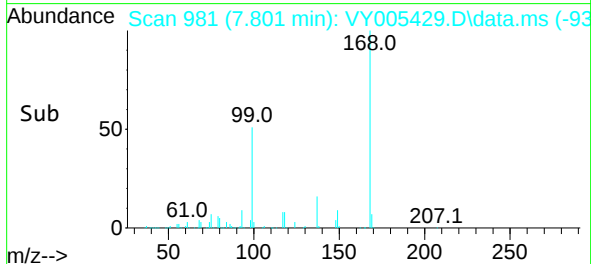
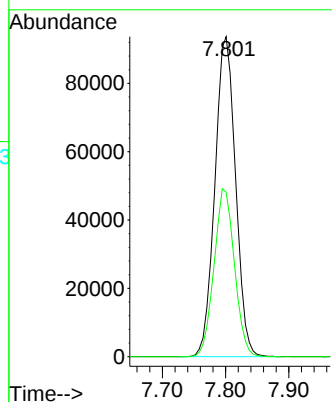
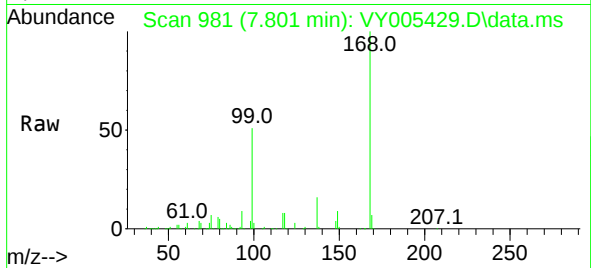




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

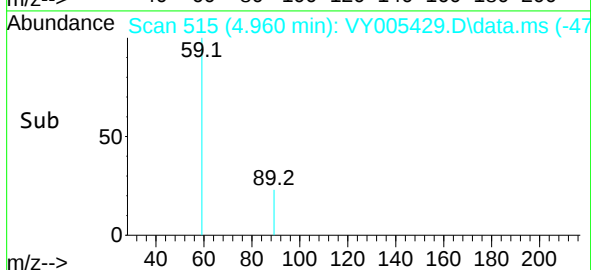
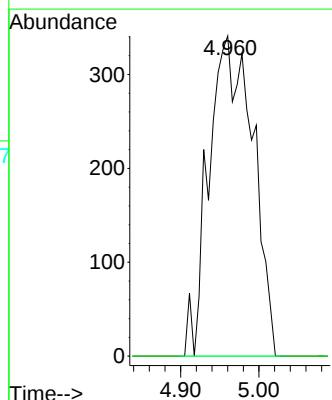
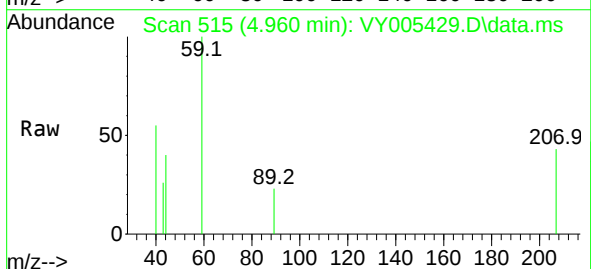
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

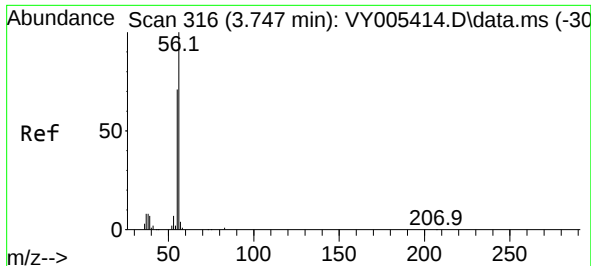
Tgt Ion:168 Resp: 212147  
Ion Ratio Lower Upper  
168 100  
99 51.4 39.8 59.6



#11  
Tert butyl alcohol  
Concen: 6.203 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.067 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion: 59 Resp: 1328  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.7 7.1#

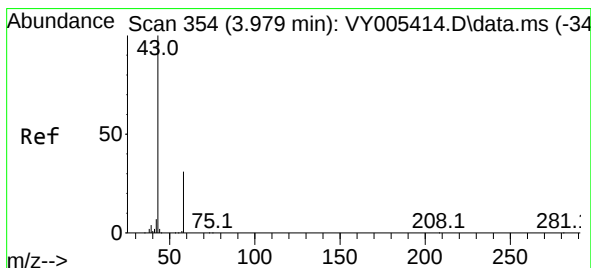
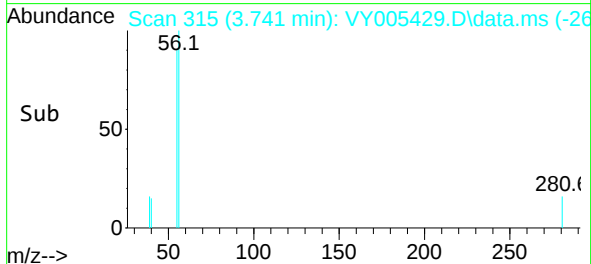
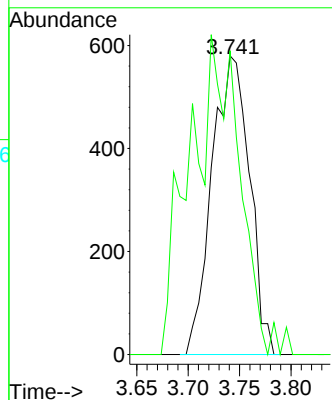
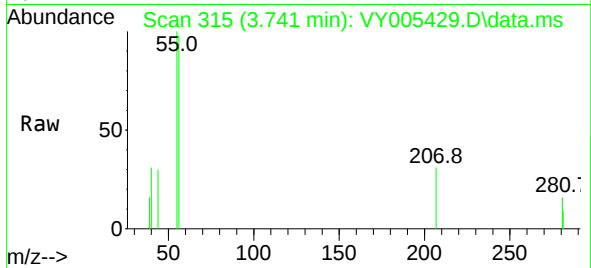




#13  
Acrolein  
Concen: 7.508 ug/l  
RT: 3.741 min Scan# 315  
Delta R.T. -0.006 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

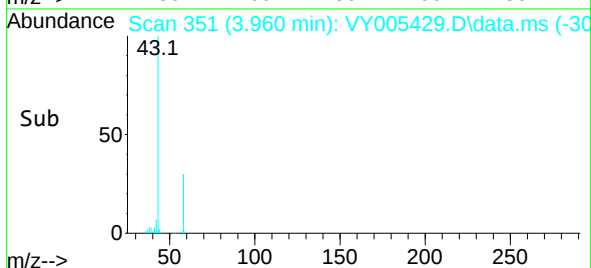
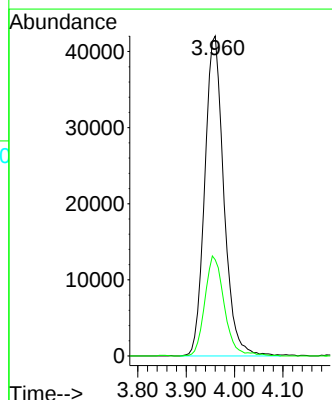
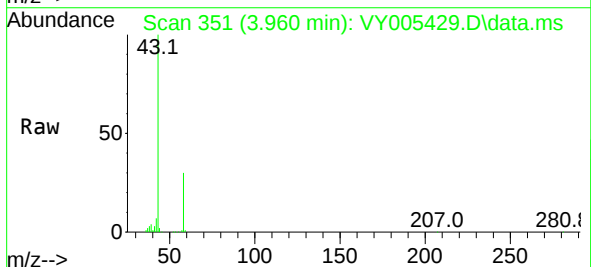
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

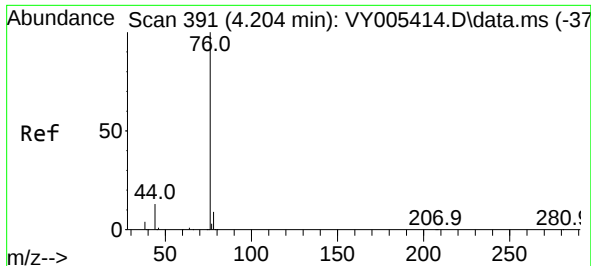
Tgt Ion: 56 Resp: 1472  
Ion Ratio Lower Upper  
56 100  
55 139.1 55.2 82.8#



#16  
Acetone  
Concen: 222.686 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.018 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion: 43 Resp: 115260  
Ion Ratio Lower Upper  
43 100  
58 30.1 24.5 36.7

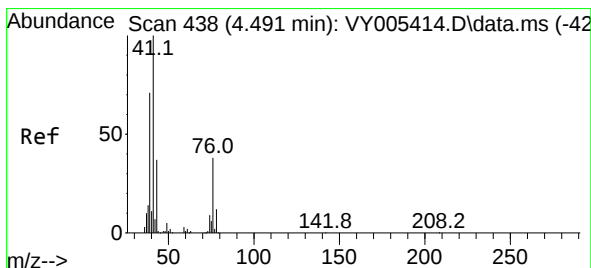
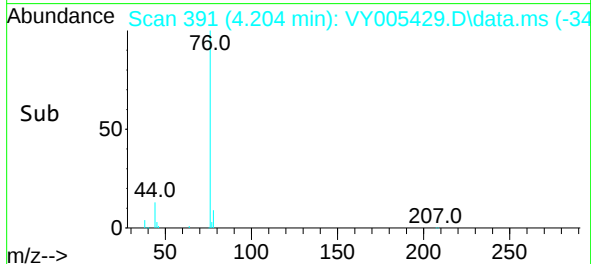
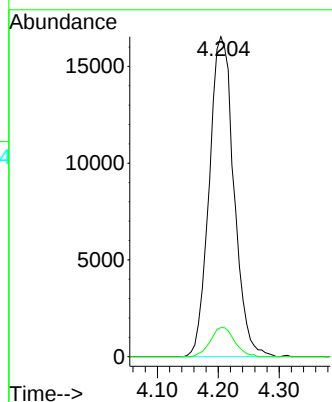
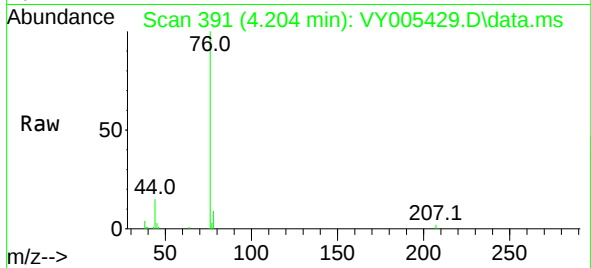




#17  
Carbon Disulfide  
Concen: 6.946 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

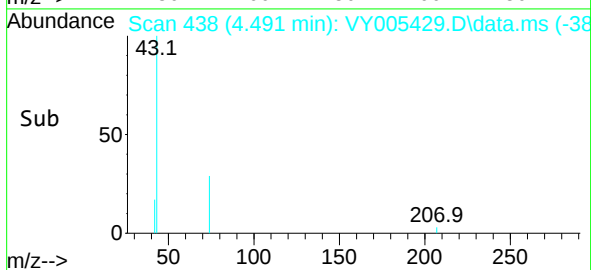
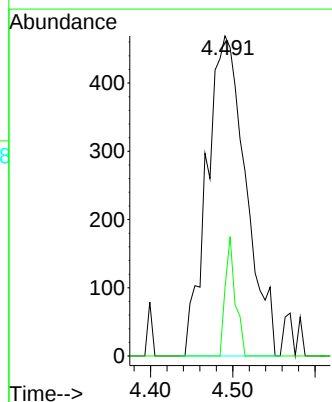
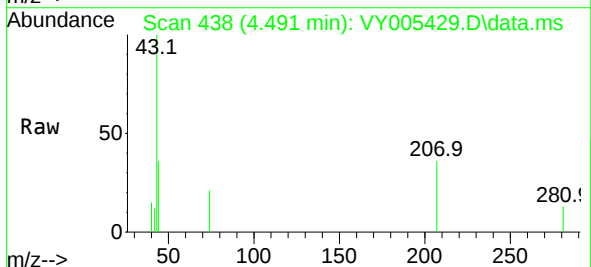
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

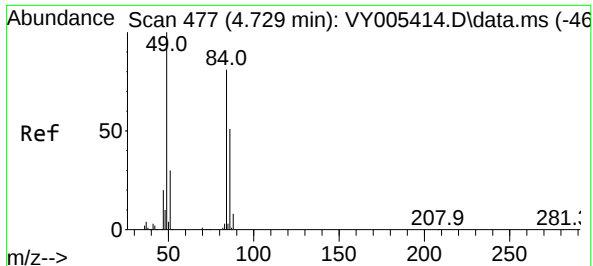
Tgt Ion: 76 Resp: 46589  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.3 10.9



#18  
Methyl Acetate  
Concen: 1.057 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion: 43 Resp: 1538  
Ion Ratio Lower Upper  
43 100  
74 9.7 19.2 28.8#

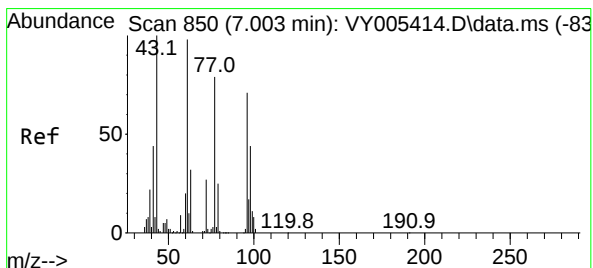
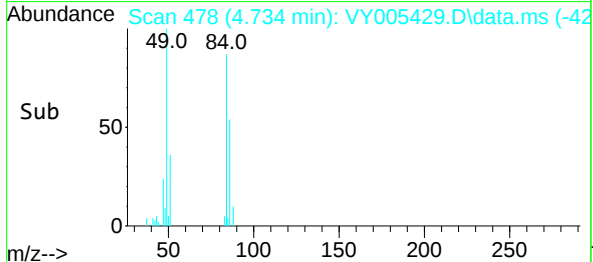
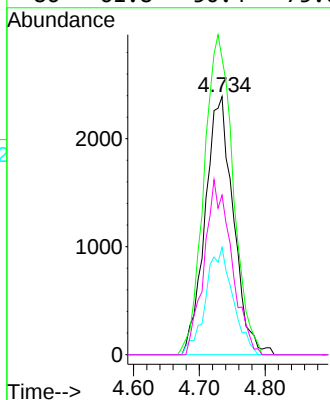
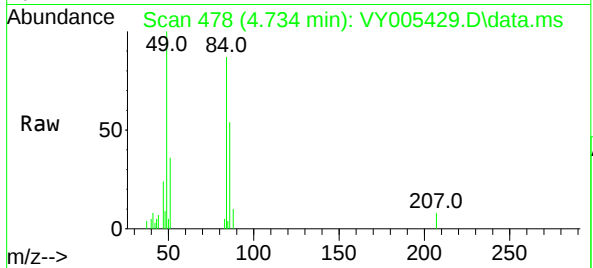




#20  
Methylene Chloride  
Concen: 1.335 ug/l  
RT: 4.734 min Scan# 478  
Delta R.T. 0.005 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

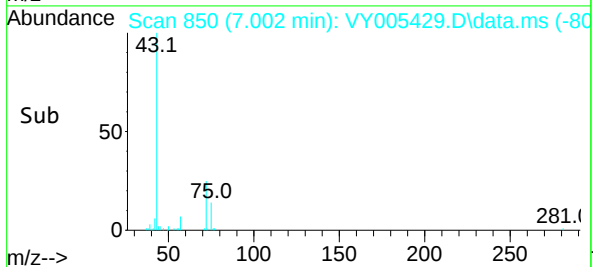
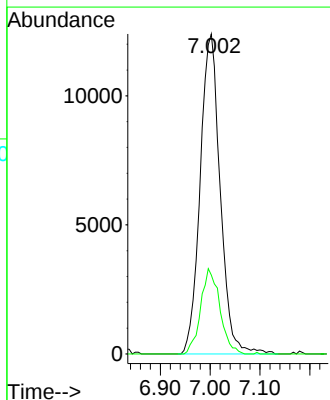
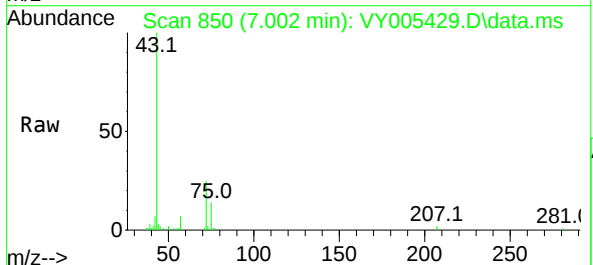
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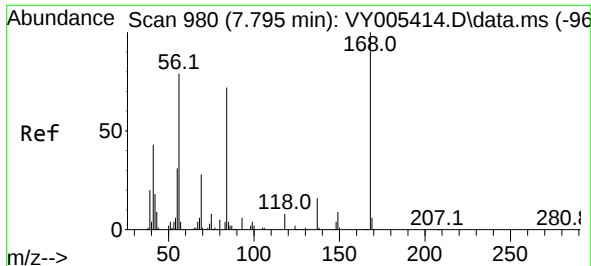
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 7150  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.9 | 98.9  | 148.3 |
| 51       | 41.6  | 30.0  | 45.0  |
| 86       | 61.8  | 50.4  | 75.6  |



#25  
2-Butanone  
Concen: 44.630 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34593 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 24.6  | 21.9  | 32.9  |

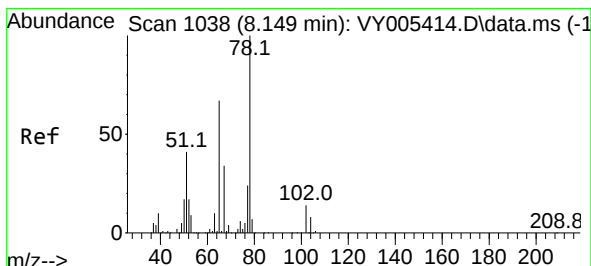
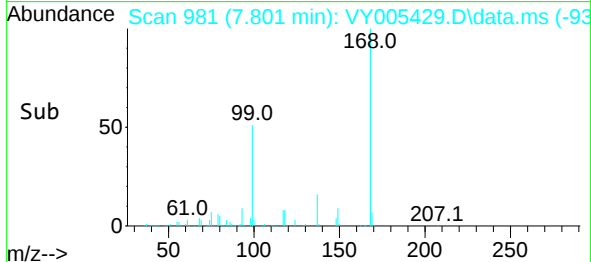
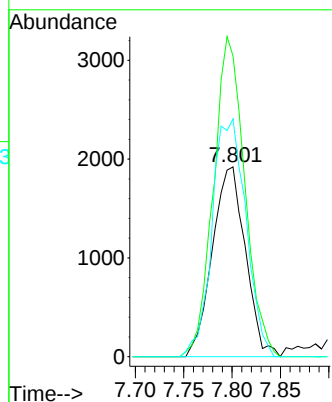
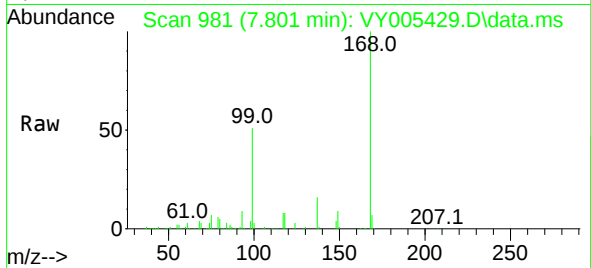




#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

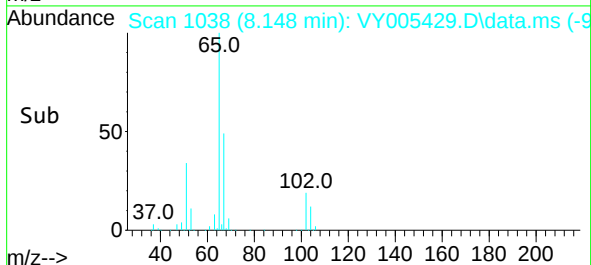
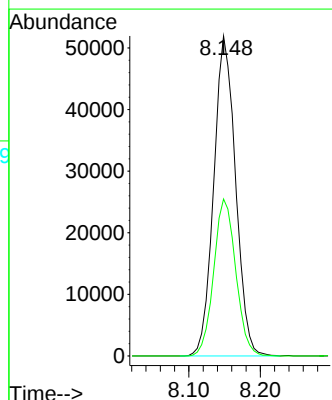
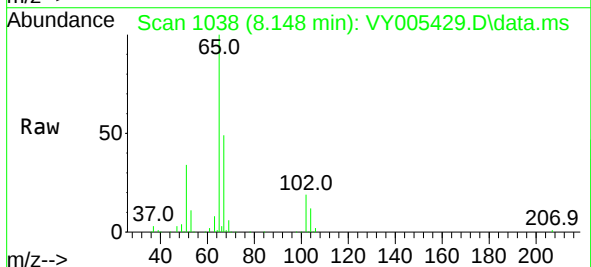
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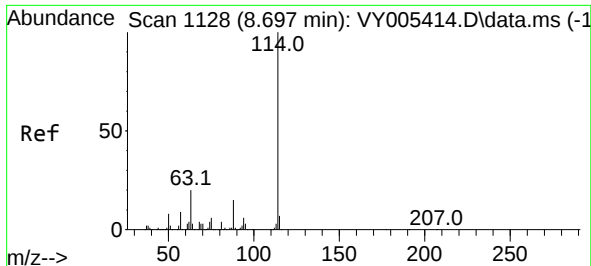
Tgt Ion: 56 Resp: 4562  
Ion Ratio Lower Upper  
56 100  
69 158.5 28.7 43.1#  
84 130.8 73.0 109.6#



#33  
1,2-Dichloroethane-d4  
Concen: 48.577 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion: 65 Resp: 110098  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 102.2

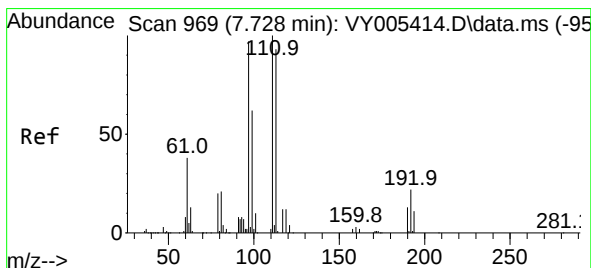
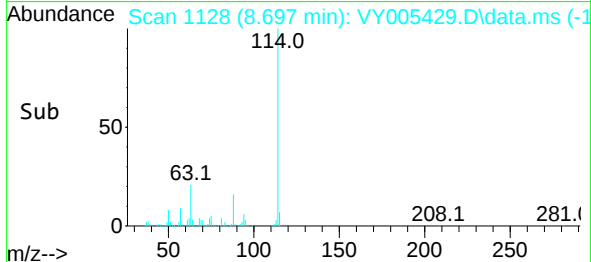
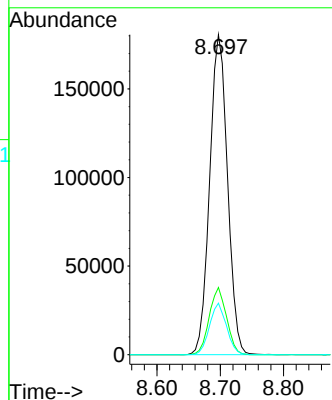
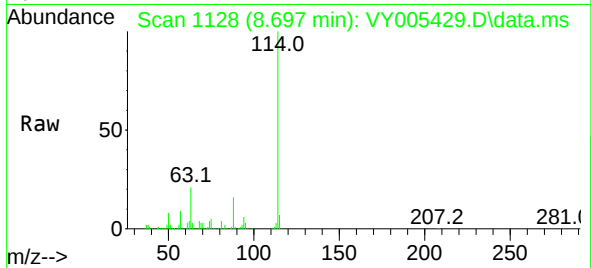




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

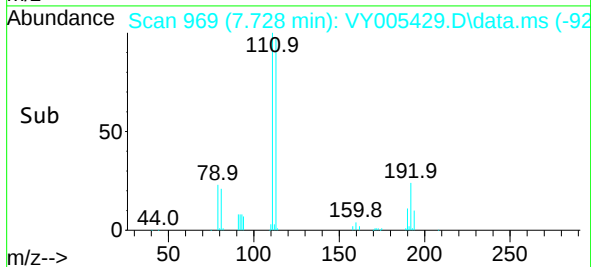
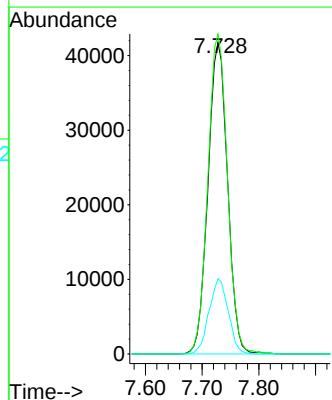
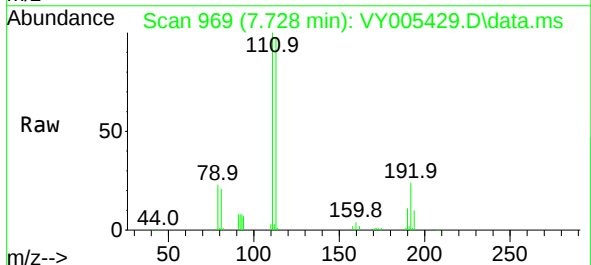
Instrument :  
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20210730-42

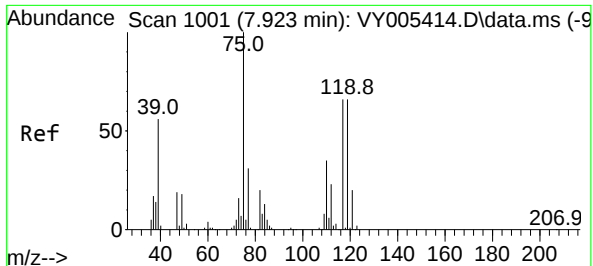
Tgt Ion:114 Resp: 353315  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 39.0  
88 16.1 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 49.019 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion:113 Resp: 100003  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 23.8 18.9 28.3





#36

1,1-Dichloropropene

Concen: 4.525 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005429.D

Acq: 23 Jul 2021 20:32

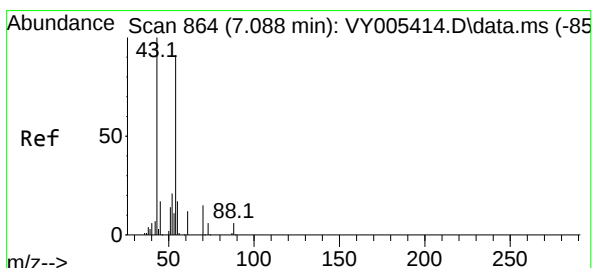
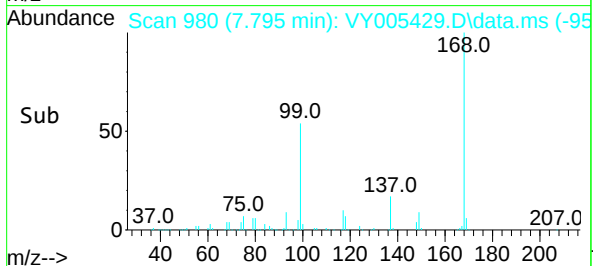
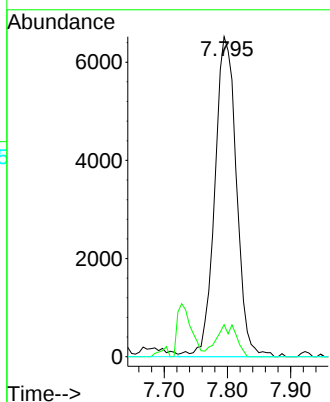
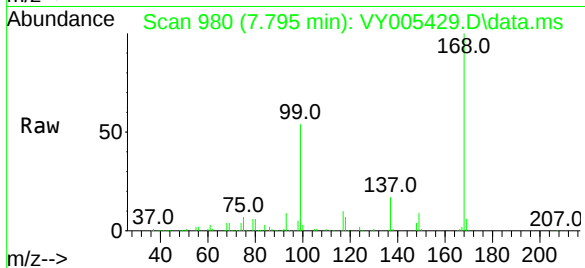
Instrument :

MSVOA\_Y

ClientSampleId :

20210730-42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15460 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.2   | 17.6  | 52.9# |
| 77       | 0.0   | 24.6  | 37.0# |



#37

Ethyl Acetate

Concen: 16.635 ug/l

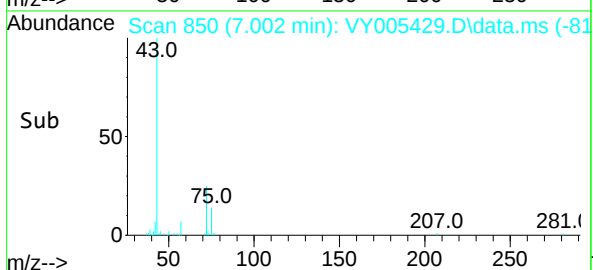
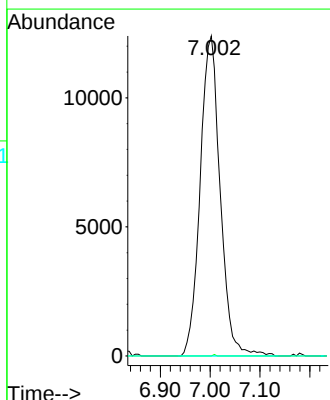
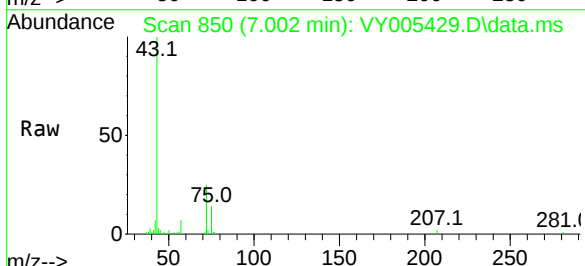
RT: 7.002 min Scan# 850

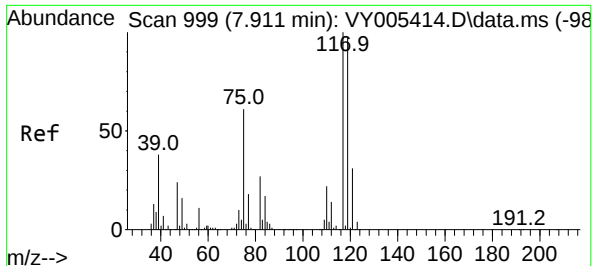
Delta R.T. -0.086 min

Lab File: VY005429.D

Acq: 23 Jul 2021 20:32

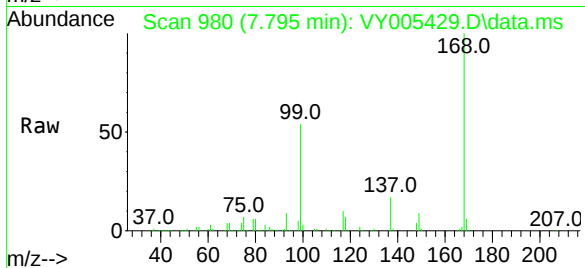
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34593 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.1   | 10.3  | 15.5# |
| 70       | 0.0   | 7.9   | 11.9# |



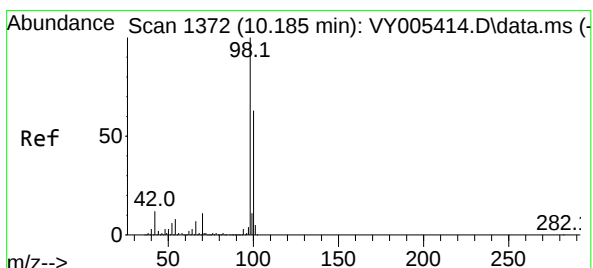
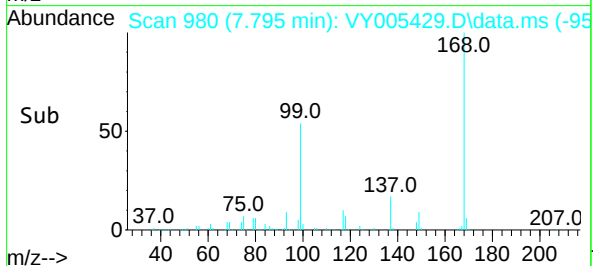
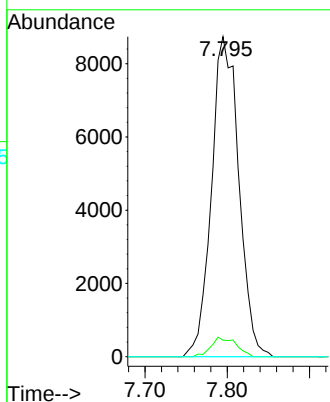


#38  
Carbon Tetrachloride  
Concen: 5.403 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

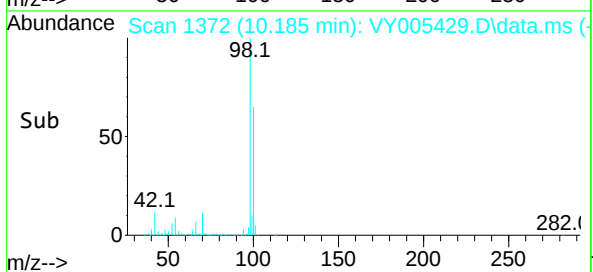
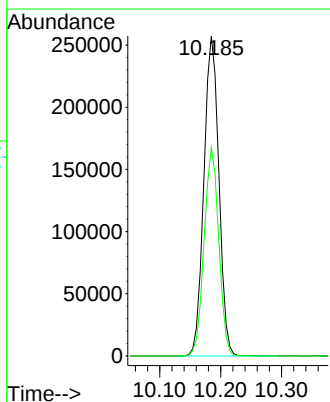
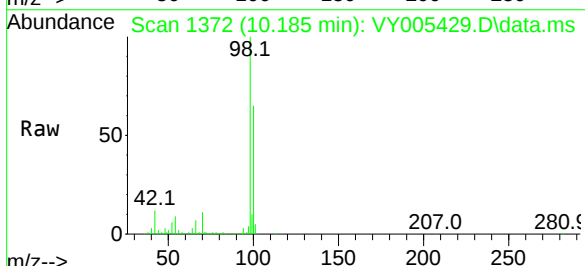


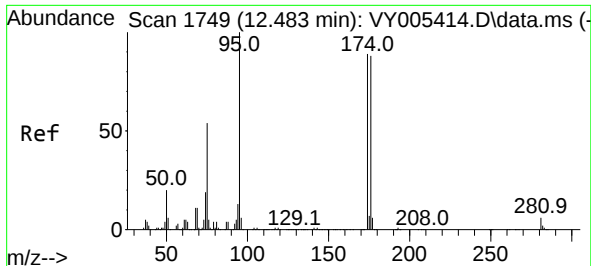
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 5.2   | 77.2  | 115.8# |
| 121     | 0.0   | 25.1  | 37.7#  |



#50  
Toluene-d8  
Concen: 50.872 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 50.9  | 76.3  |

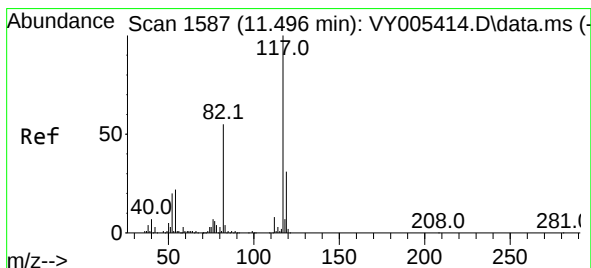
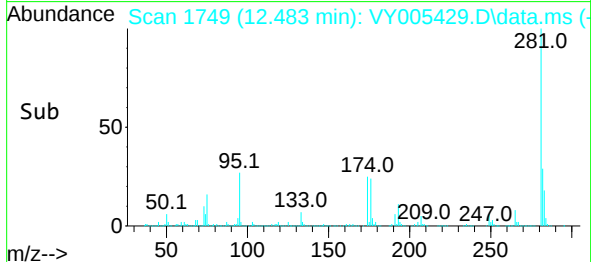
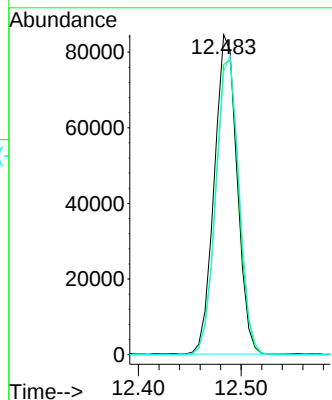
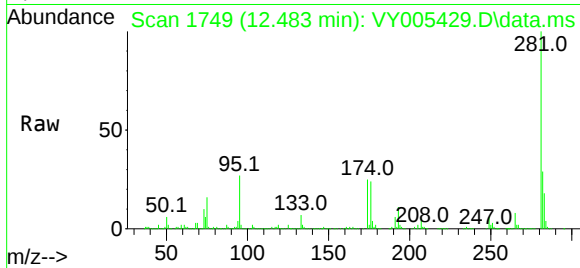




#62  
4-Bromofluorobenzene  
Concen: 45.409 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

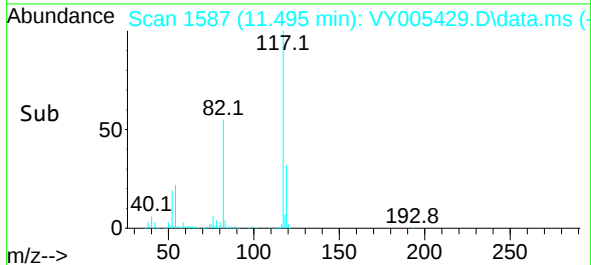
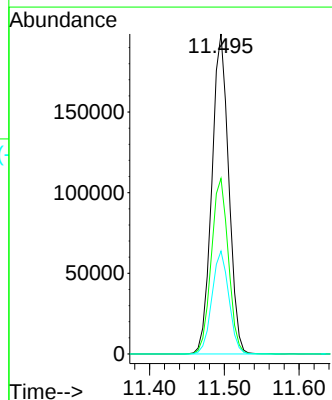
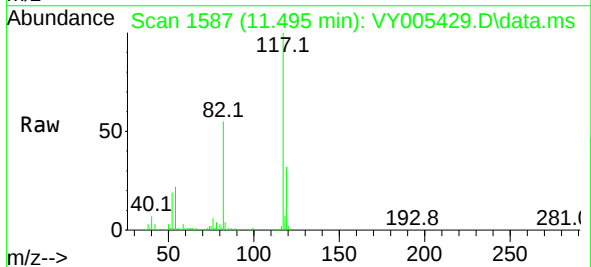
Instrument :  
MSVOA\_Y  
ClientSampleId :  
20210730-42

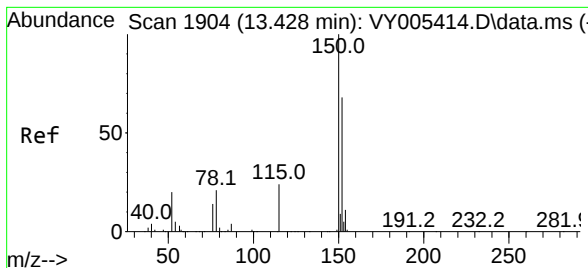
Tgt Ion: 95 Resp: 129586  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 186.6  
176 94.8 0.0 182.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005429.D  
Acq: 23 Jul 2021 20:32

Tgt Ion: 117 Resp: 310611  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.8 65.6  
119 32.1 24.8 37.2

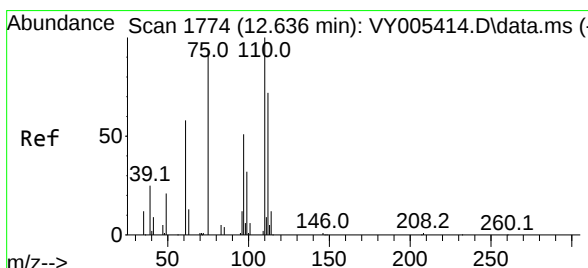
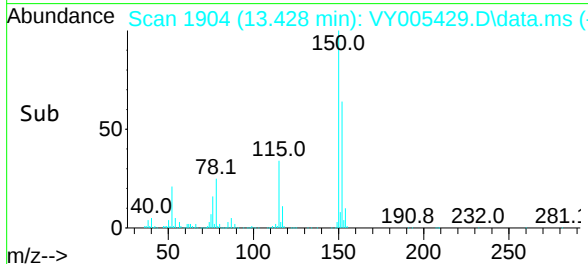
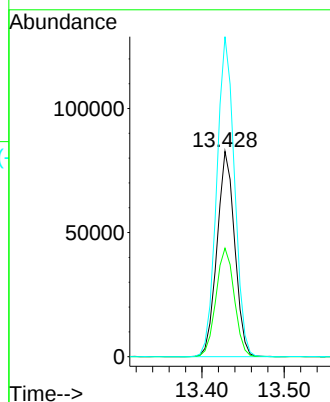
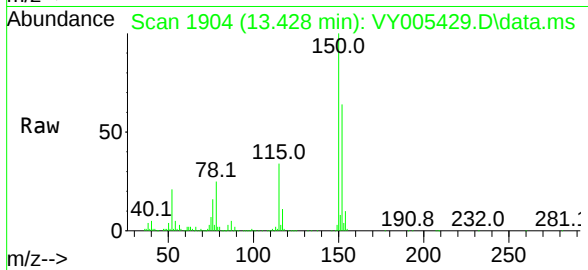




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005429.D  
 Acq: 23 Jul 2021 20:32

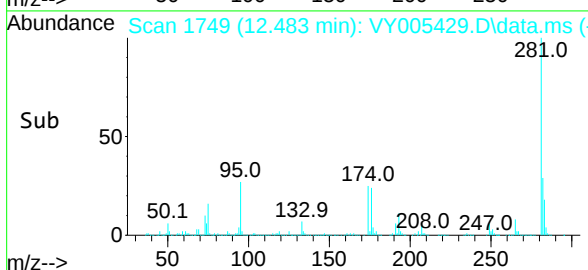
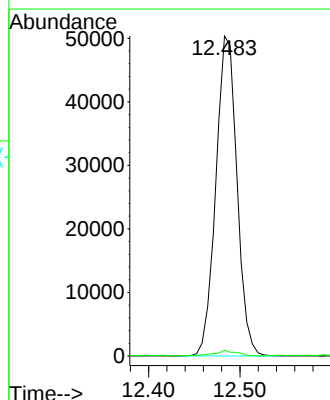
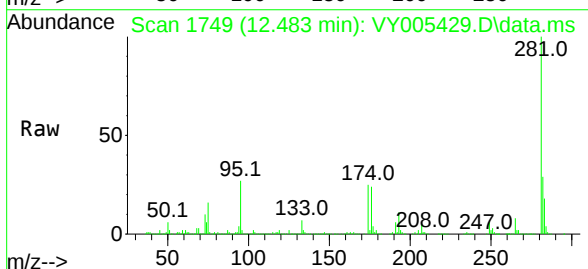
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210730-42

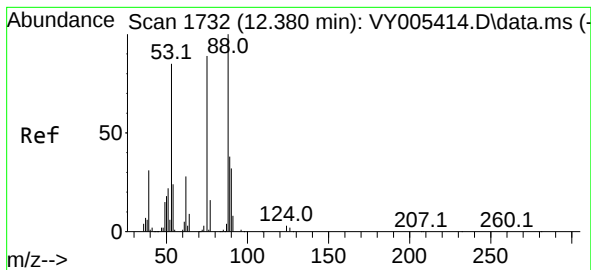
Tgt Ion:152 Resp: 123700  
 Ion Ratio Lower Upper  
 152 100  
 115 54.6 27.7 83.1  
 150 156.8 0.0 349.6



#76  
 1,2,3-Trichloropropane  
 Concen: 66.537 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY005429.D  
 Acq: 23 Jul 2021 20:32

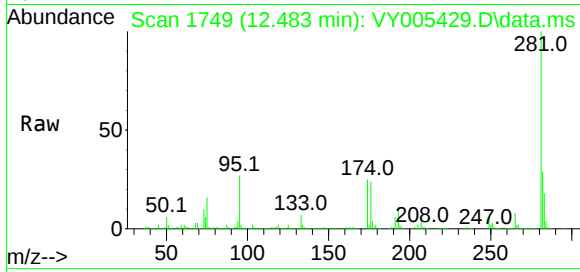
Tgt Ion: 75 Resp: 80987  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 129.195 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.103 min  
 Lab File: VY005429.D  
 Acq: 23 Jul 2021 20:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20210730-42



Tgt Ion: 75 Resp: 80987  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 76.1 114.1#  
 89 3.9 36.9 55.3#

