

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040821\  
 Data File : VY004333.D  
 Acq On : 08 Apr 2021 14:22  
 Operator : SY/MD  
 Sample : M1969-01  
 Misc : 6.83G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 09 03:16:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 30 06:38:14 2021  
 Response via : Initial Calibration

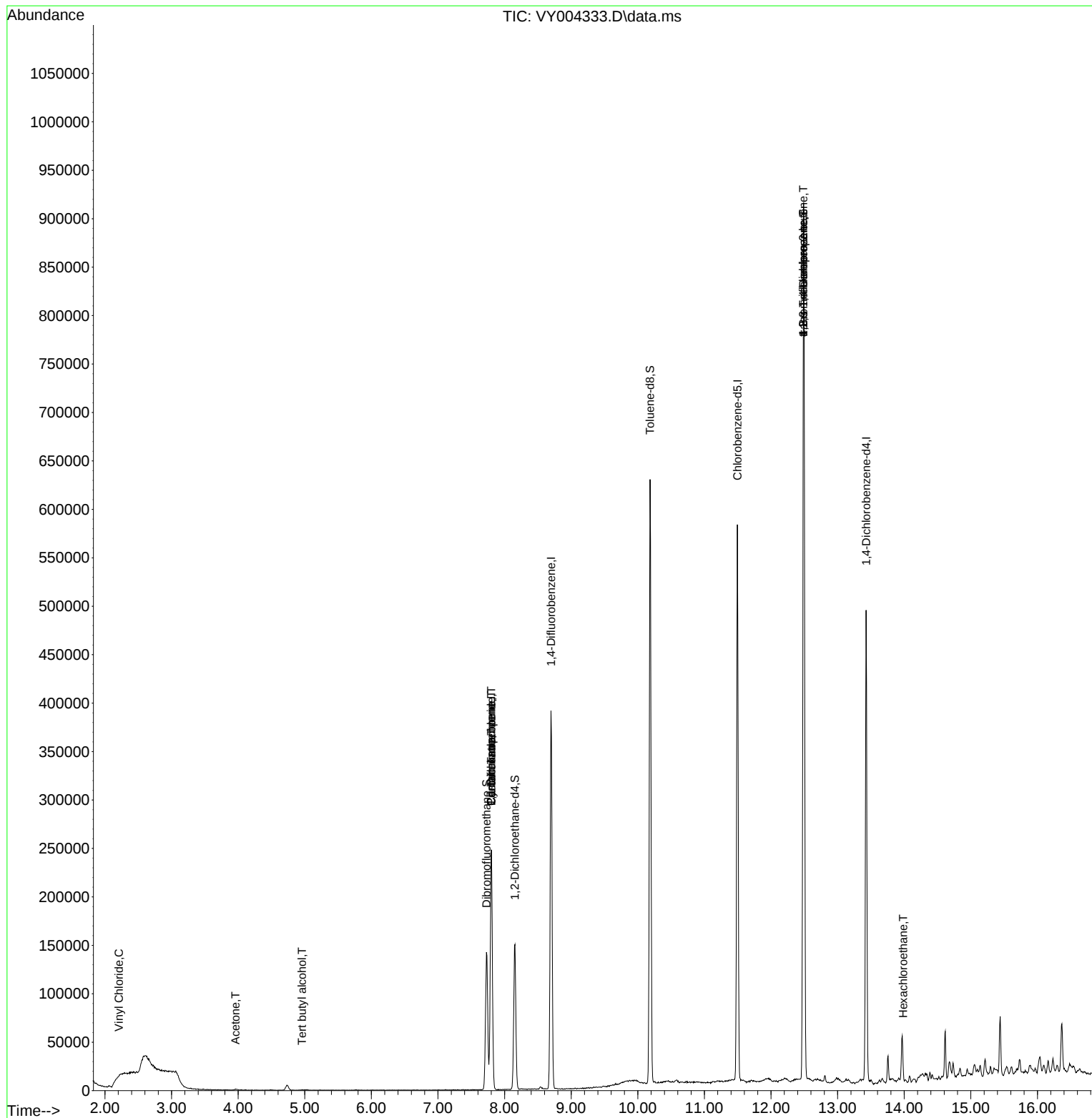
| Compound                      | R.T.   | QIon  | Response | Conc      | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-----------|----------|
| -----                         |        |       |          |           |           |          |
| Internal Standards            |        |       |          |           |           |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 186192   | 50.00     | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 321160   | 50.00     | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 286771   | 50.00     | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 115414   | 50.00     | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |           |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 115640   | 64.61     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 129.22% |          |
| 35) Dibromofluoromethane      | 7.728  | 113   | 97548    | 54.51     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 109.02% |          |
| 50) Toluene-d8                | 10.185 | 98    | 391760   | 58.21     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 116.42% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 126322   | 54.76     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 109.52% |          |
| Target Compounds              |        |       |          |           |           |          |
|                               |        |       |          |           | Qvalue    |          |
| 4) Vinyl Chloride             | 2.211  | 62    | 7152     | 2.95      | ug/l #    | 42       |
| 11) Tert butyl alcohol        | 4.960  | 59    | 579      | 3.98      | ug/l #    | 71       |
| 16) Acetone                   | 3.960  | 43    | 1711     | 4.59      | ug/l      | 93       |
| 20) Methylene Chloride        | 4.741  | 84    | 3727     | Below Cal |           | 87       |
| 31) Cyclohexane               | 7.801  | 56    | 4561     | 1.44      | ug/l #    | 30       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 14687    | 5.01      | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 18243    | 7.16      | ug/l #    | 16       |
| 49) 1,4-Dioxane               | 9.307  | 88    | 33       | Below Cal | #         | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 74328    | 70.92     | ug/l #    | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 74328    | 130.71    | ug/l #    | 11       |
| 90) Hexachloroethane          | 13.983 | 117   | 607      | 8.05      | ug/l #    | 12       |
| -----                         |        |       |          |           |           |          |

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Time: Apr 09 03:16:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 30 06:38:14 2021  
Response via : Initial Calibration

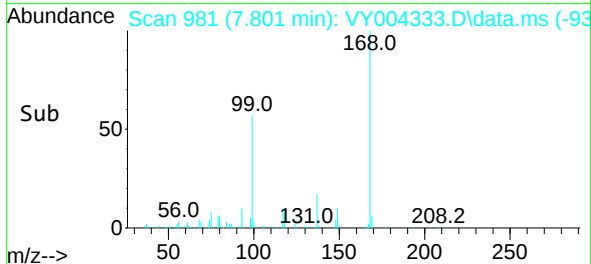
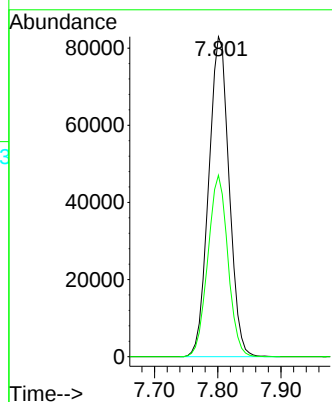
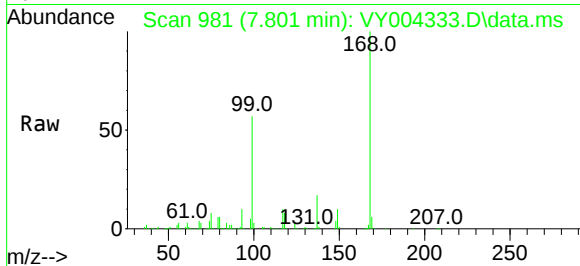




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

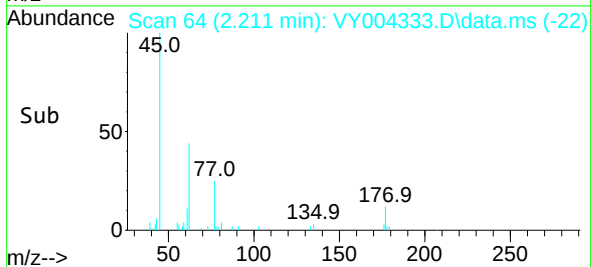
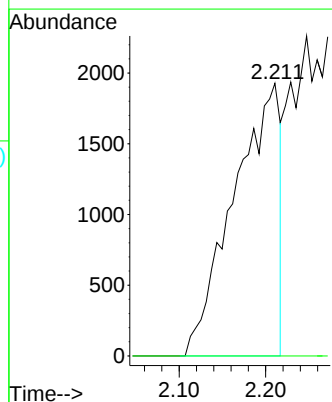
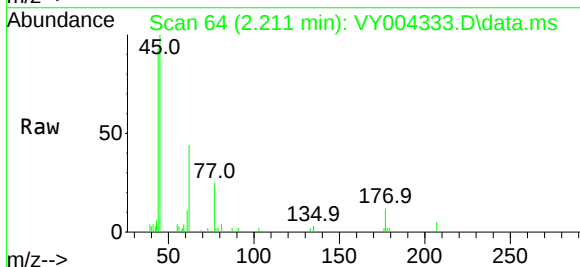
Instrument :  
MSVOA\_Y  
ClientSampled :

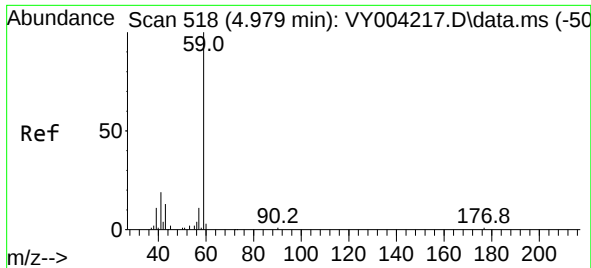
Tgt Ion:168 Resp: 186192  
Ion Ratio Lower Upper  
168 100  
99 56.7 42.6 64.0



#4  
Vinyl Chloride  
Concen: 2.95 ug/l  
RT: 2.211 min Scan# 64  
Delta R.T. -0.043 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion: 62 Resp: 7152  
Ion Ratio Lower Upper  
62 100  
64 0.0 26.0 39.0#



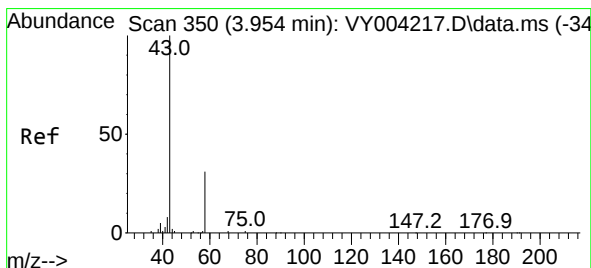
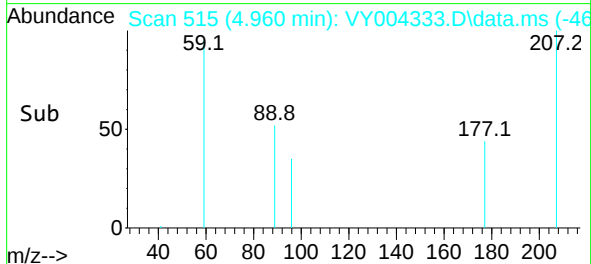
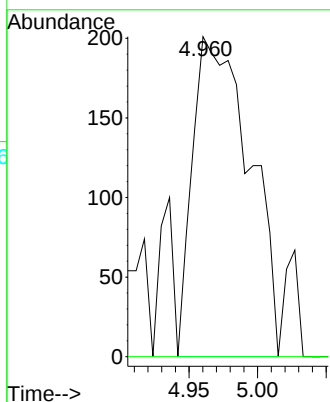
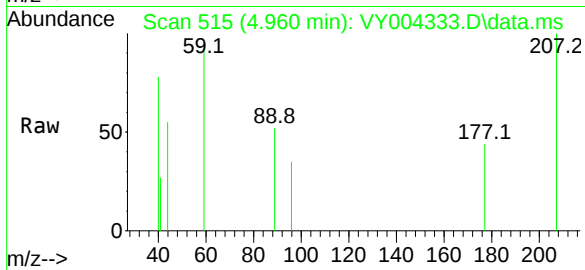


#11

Tert butyl alcohol  
Concen: 3.98 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Instrument :  
MSVOA\_Y  
ClientSampled :

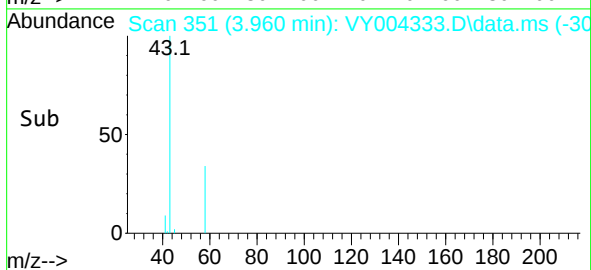
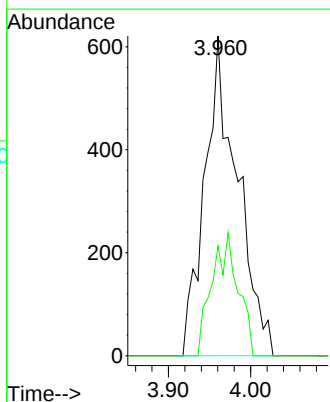
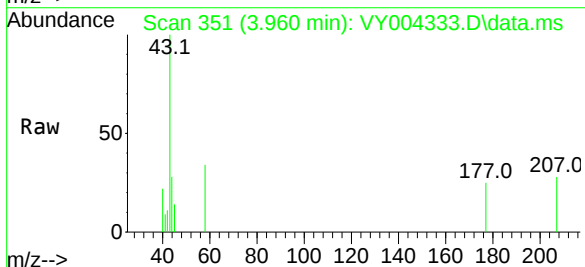
Tgt Ion: 59 Resp: 579  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.9 13.3#

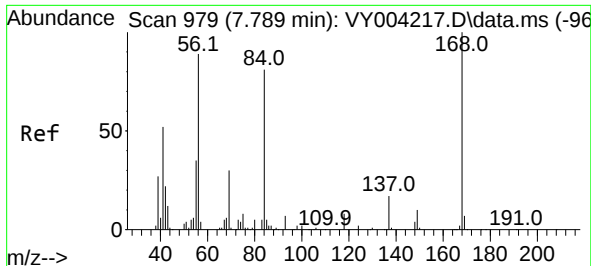


#16

Acetone  
Concen: 4.59 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

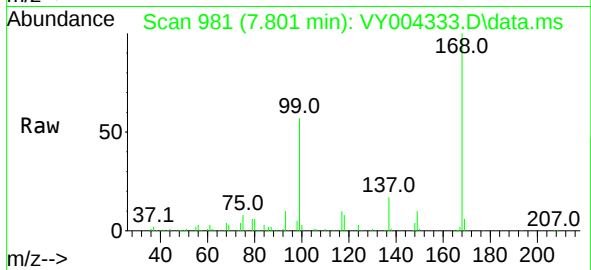
Tgt Ion: 43 Resp: 1711  
Ion Ratio Lower Upper  
43 100  
58 34.3 24.5 36.7



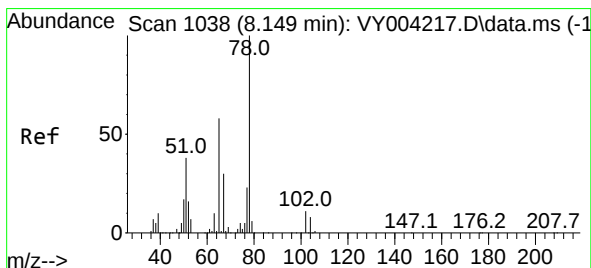
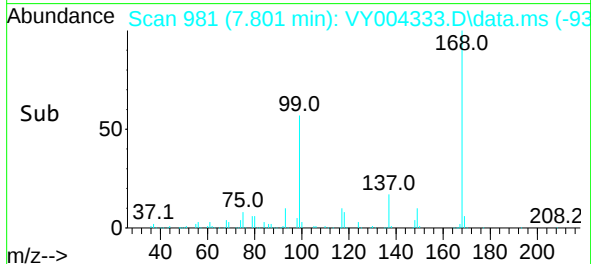
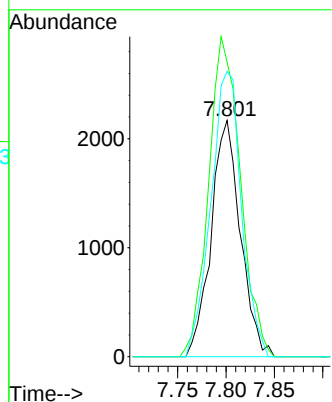


#31  
Cyclohexane  
Concen: 1.44 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Instrument :  
MSVOA\_Y  
ClientSampleId :

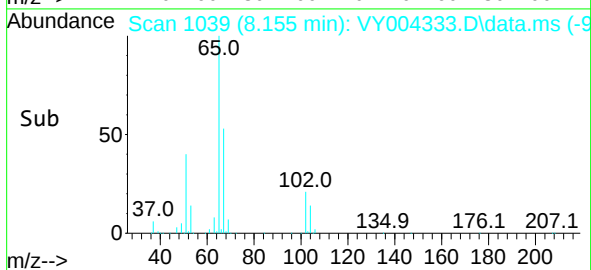
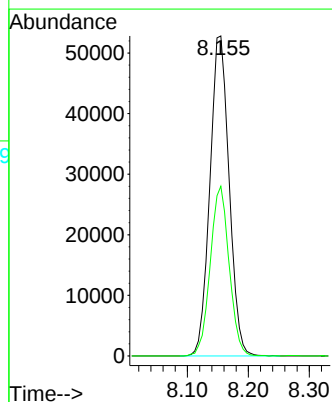
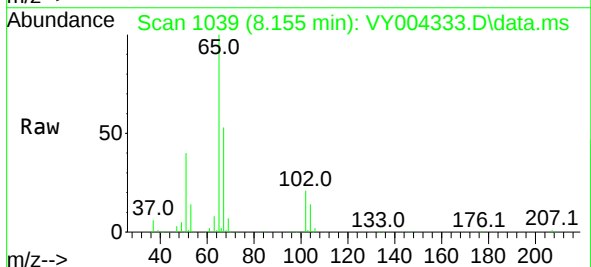


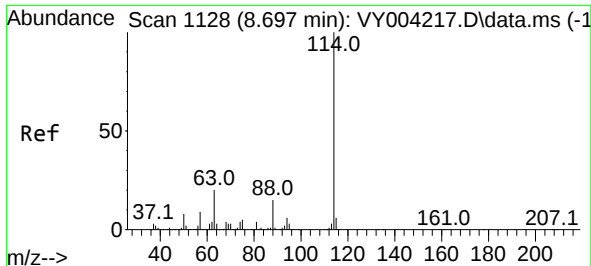
Tgt Ion: 56 Resp: 4561  
Ion Ratio Lower Upper  
56 100  
69 124.7 26.6 40.0#  
84 125.1 72.3 108.5#



#33  
1,2-Dichloroethane-d4  
Concen: 64.61 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion: 65 Resp: 115640  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 103.2

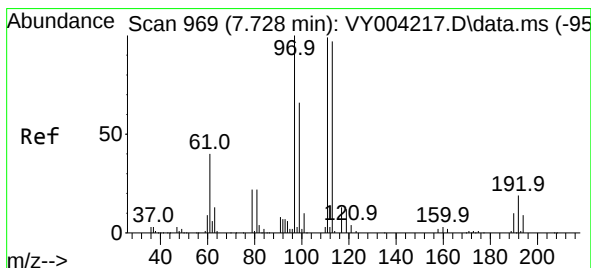
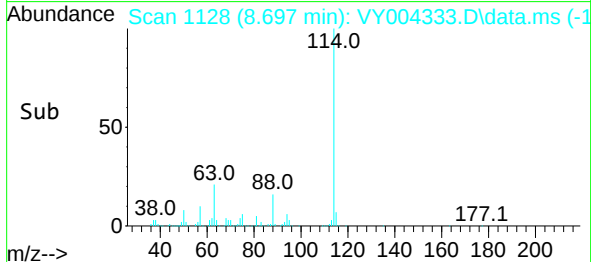
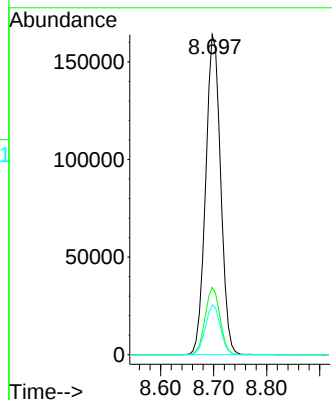
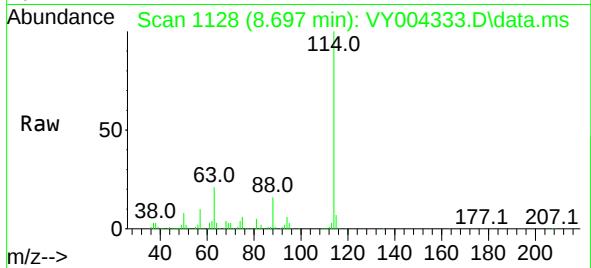




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

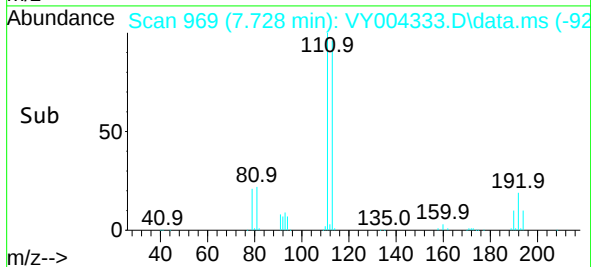
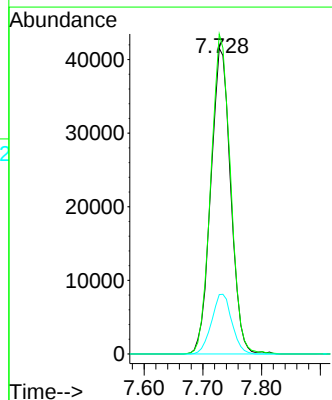
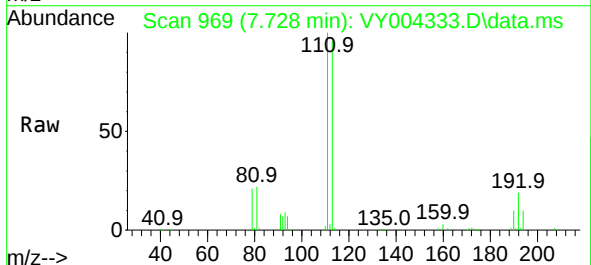
Instrument :  
MSVOA\_Y  
ClientSampleId :

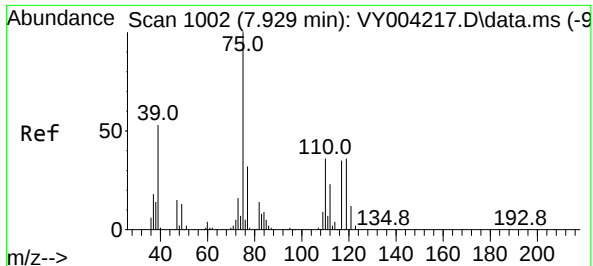
Tgt Ion:114 Resp: 321160  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 40.4  
88 15.6 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 54.51 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion:113 Resp: 97548  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 124.0  
192 19.9 16.4 24.6

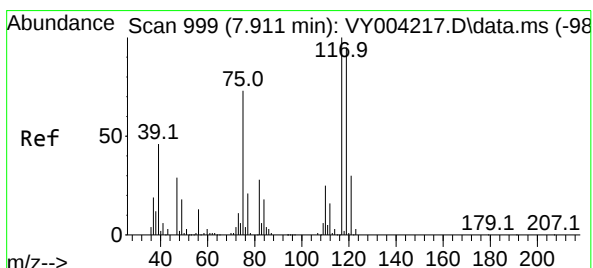
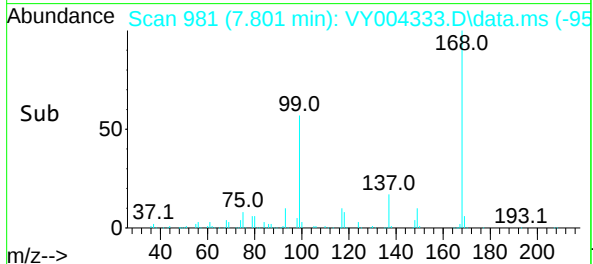
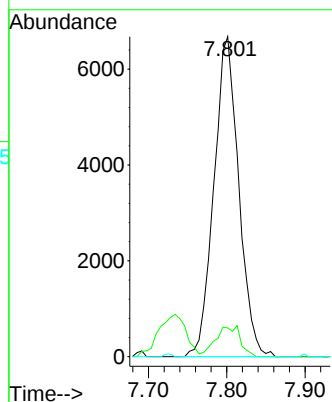
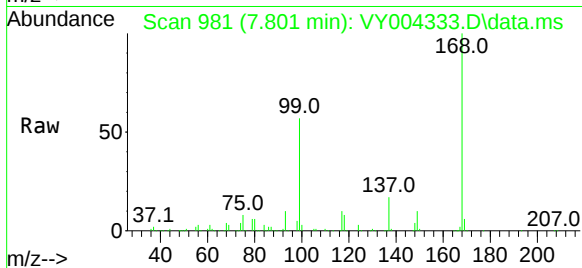




#36  
1,1-Dichloropropene  
Concen: 5.01 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

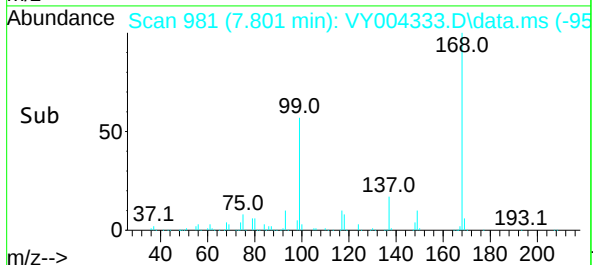
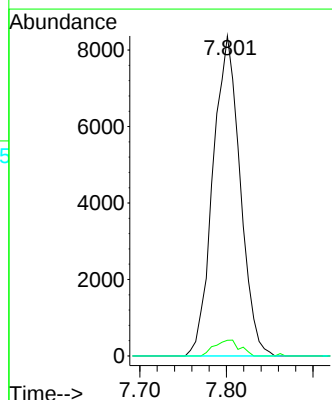
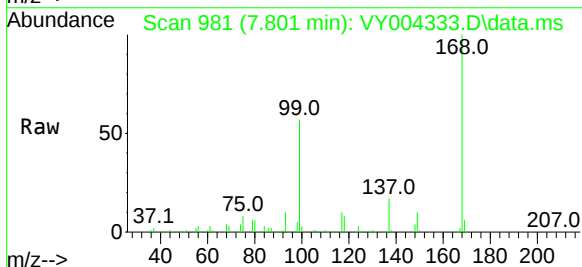
Instrument :  
MSVOA\_Y  
ClientSampleId :

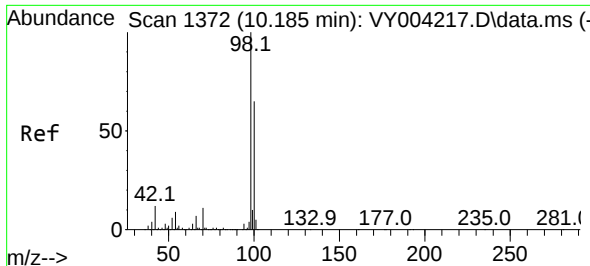
Tgt Ion: 75 Resp: 14687  
Ion Ratio Lower Upper  
75 100  
110 9.5 18.1 54.3#  
77 0.0 25.1 37.7#



#38  
Carbon Tetrachloride  
Concen: 7.16 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion: 117 Resp: 18243  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.6 113.4#  
121 0.0 24.3 36.5#

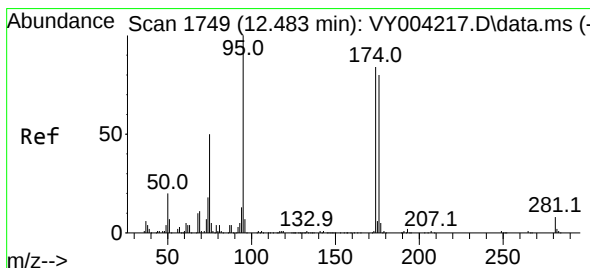
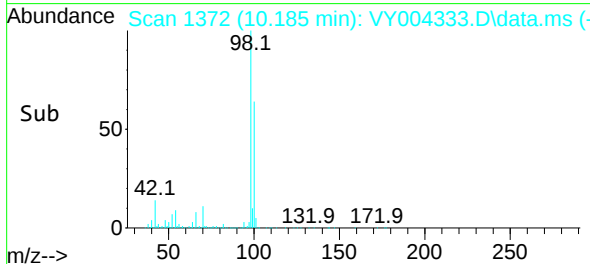
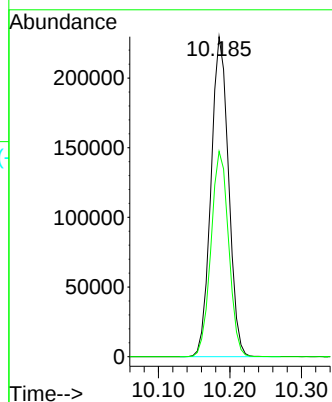
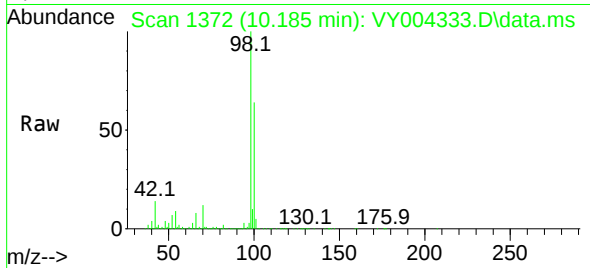




#50  
Toluene-d8  
Concen: 58.21 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

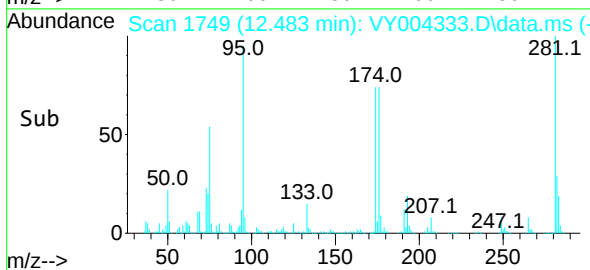
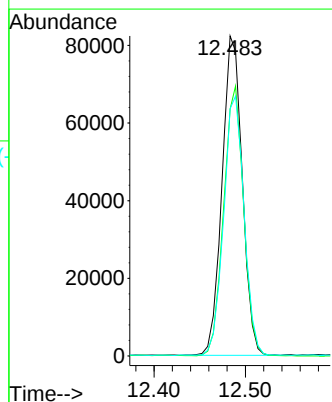
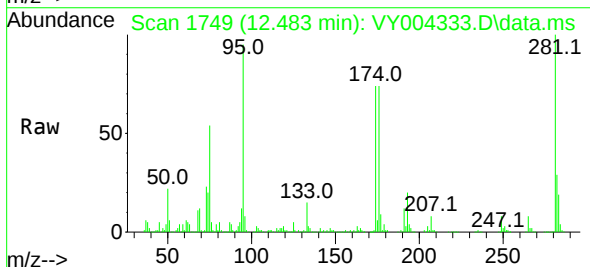
Instrument :  
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ClientSampleId :

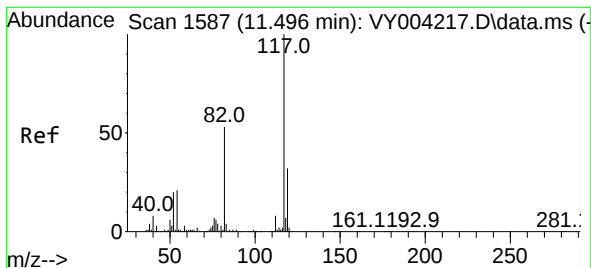
Tgt Ion: 98 Resp: 391760  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 54.76 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion: 95 Resp: 126322  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 171.4  
176 81.9 0.0 165.6

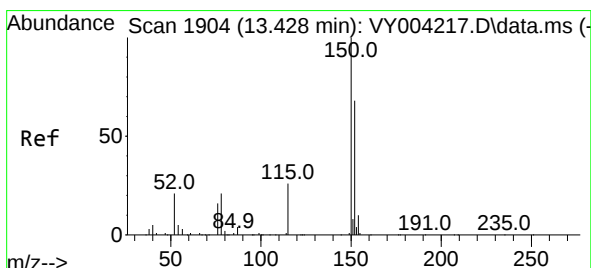
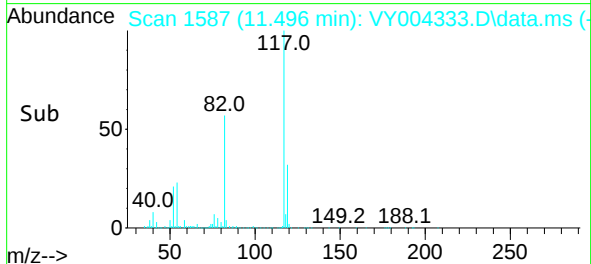
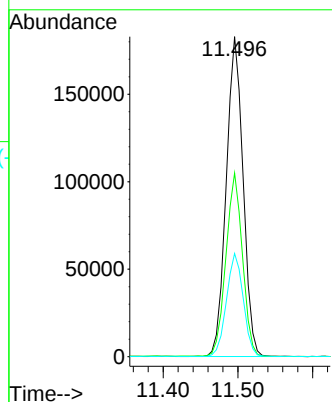
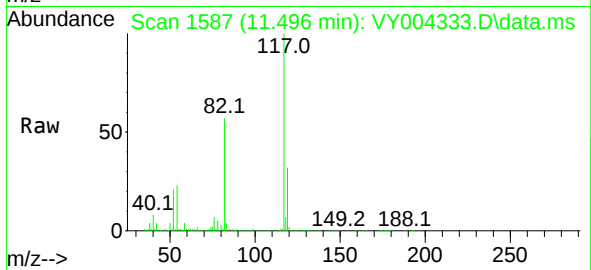




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

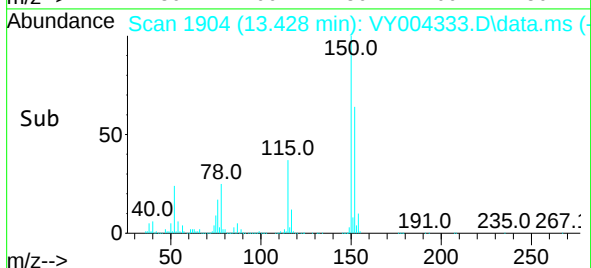
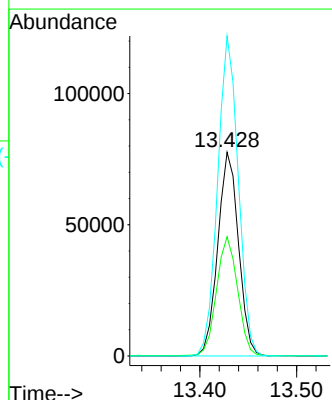
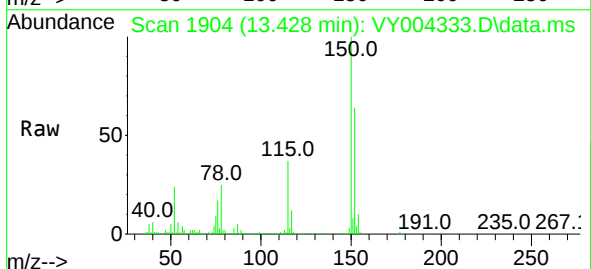
Instrument :  
MSVOA\_Y  
ClientSampleId :

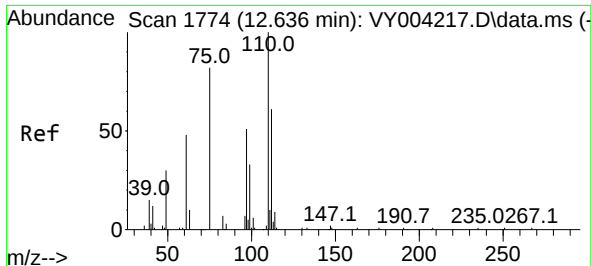
Tgt Ion:117 Resp: 286771  
Ion Ratio Lower Upper  
117 100  
82 57.3 42.7 64.1  
119 32.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

Tgt Ion:152 Resp: 115414  
Ion Ratio Lower Upper  
152 100  
115 59.2 29.0 87.1  
150 156.4 0.0 347.4

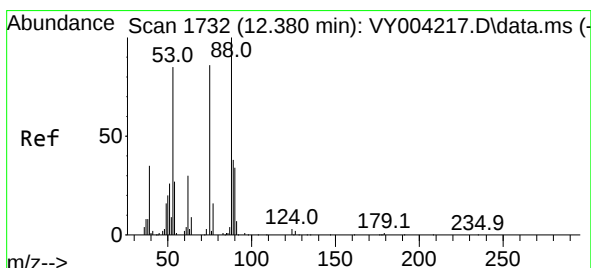
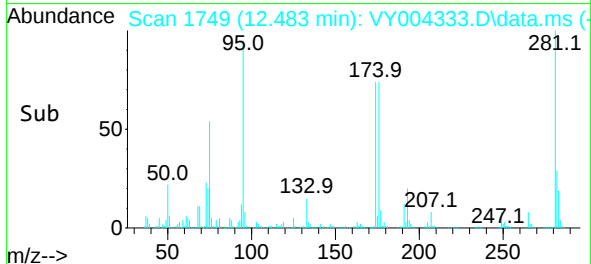
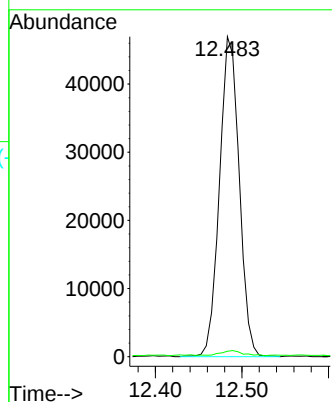
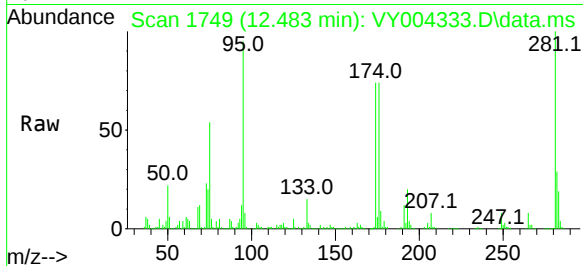




#76  
1,2,3-Trichloropropane  
Concen: 70.92 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

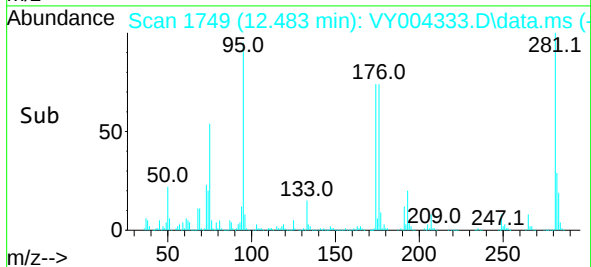
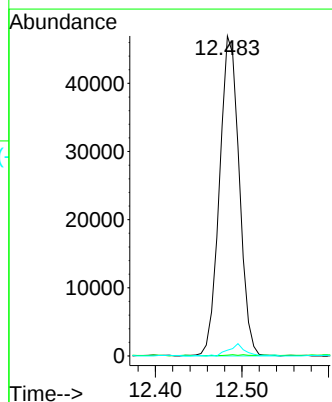
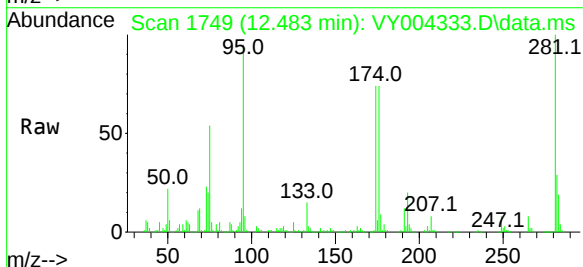
Instrument :  
MSVOA\_Y  
ClientSampled :

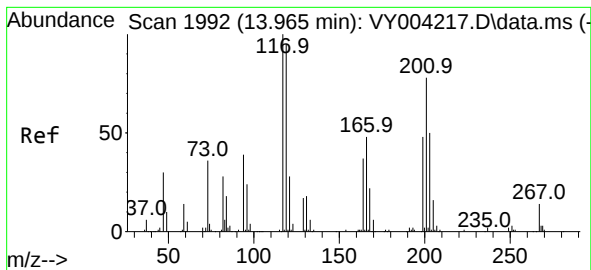
Tgt Ion: 75 Resp: 74328  
Ion Ratio Lower Upper  
75 100  
77 1.9 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 130.71 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY004333.D  
Acq: 08 Apr 2021 14:22

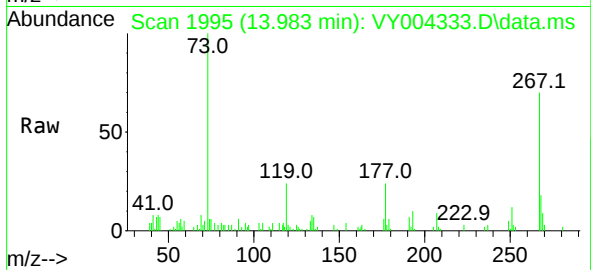
Tgt Ion: 75 Resp: 74328  
Ion Ratio Lower Upper  
75 100  
53 0.2 79.3 118.9#  
89 3.2 39.4 59.2#





#90  
 Hexachloroethane  
 Concen: 8.05 ug/l  
 RT: 13.983 min Scan# 1995  
 Delta R.T. 0.018 min  
 Lab File: VY004333.D  
 Acq: 08 Apr 2021 14:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:117 Resp: 607  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 37.6 112.9#

