

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041825\  
 Data File : VY021929.D  
 Acq On : 18 Apr 2025 14:33  
 Operator : SY/MD  
 Sample : Q1832-26  
 Misc : 5.60g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-714-VOC-05

Quant Time: Apr 19 01:13:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

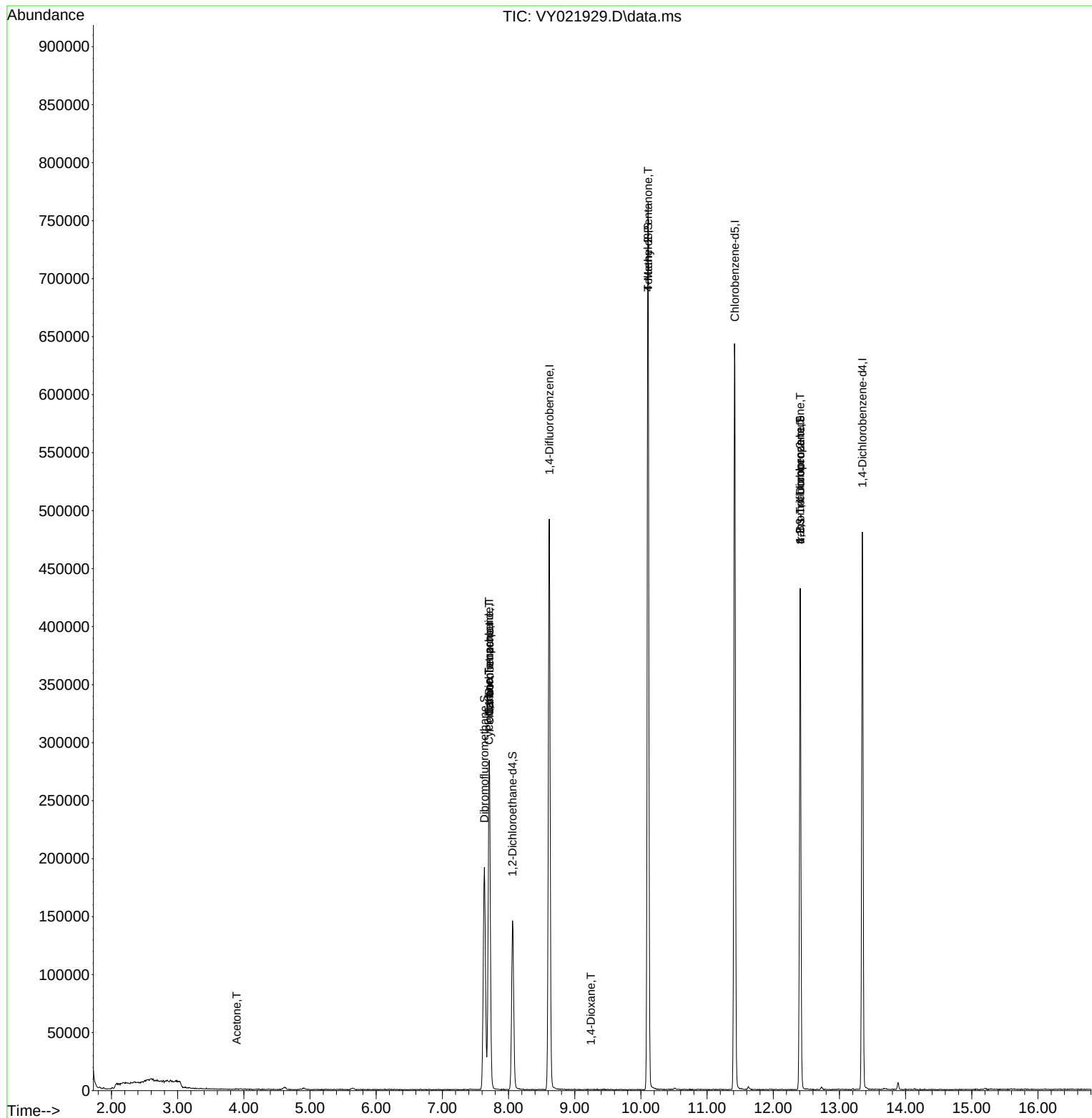
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 213306   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 407980   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 339834   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 119132   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 116136   | 50.251    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 100.500% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 132130   | 49.926    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 99.860%  |          |
| 50) Toluene-d8                | 10.109    | 98    | 487268   | 48.397    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 96.800%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 128454   | 37.720    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 75.440%  |          |
| Target Compounds              |           |       |          |           |            |          |
| 16) Acetone                   | 3.891     | 43    | 556      | 1.175     | ug/l       | 99       |
| 20) Methylene Chloride        | 4.610     | 84    | 1309     | Below Cal | #          | 84       |
| 31) Cyclohexane               | 7.701     | 56    | 4692     | 1.150     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 17303    | 4.292     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 21666    | 4.693     | ug/l #     | 16       |
| 49) 1,4-Dioxane               | 9.244     | 88    | 24       | 1.360     | ug/l #     | 21       |
| 51) 4-Methyl-2-Pentanone      | 10.109    | 43    | 2284     | 1.217     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 67314    | 57.002    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 67314    | 131.342   | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

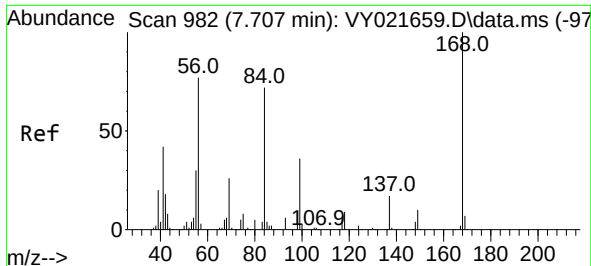
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

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Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

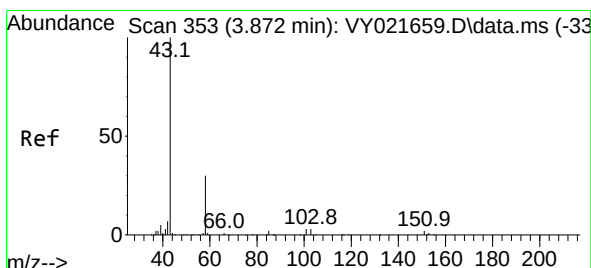
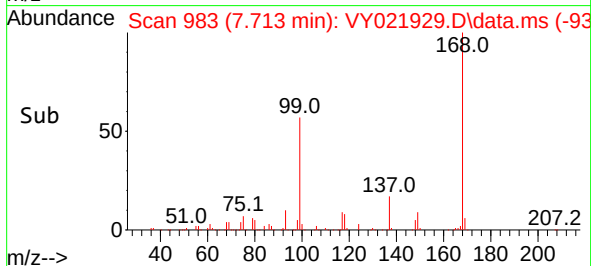
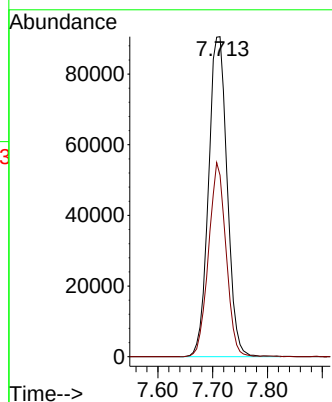
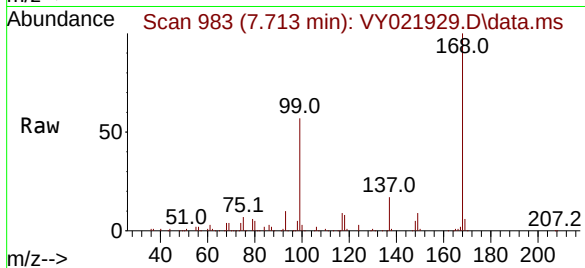




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

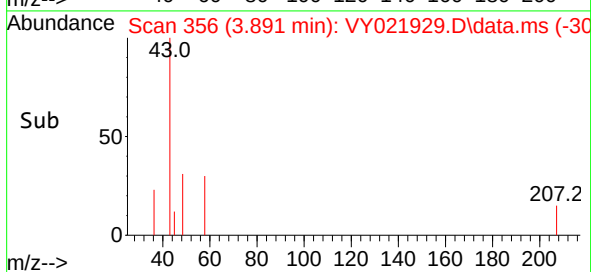
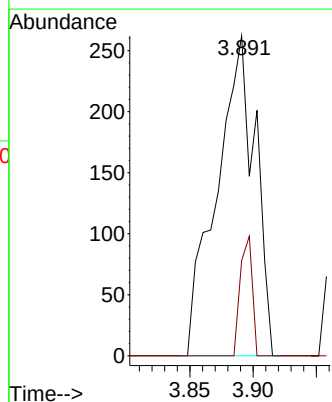
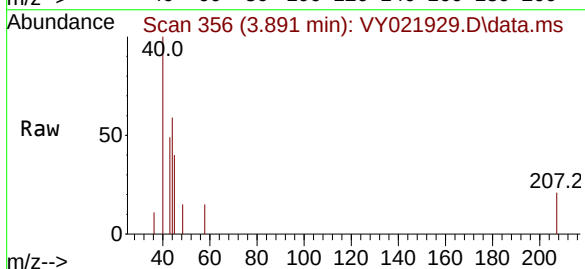
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

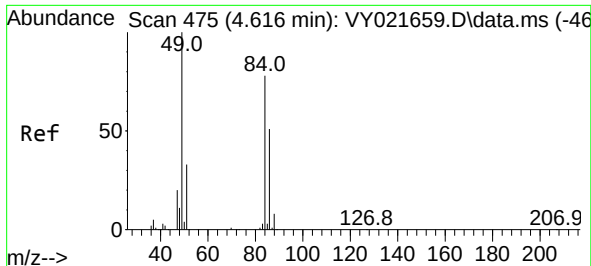
Tgt Ion:168 Resp: 213306  
Ion Ratio Lower Upper  
168 100  
99 56.7 46.7 70.1



#16  
Acetone  
Concen: 1.175 ug/l  
RT: 3.891 min Scan# 356  
Delta R.T. 0.018 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 556  
Ion Ratio Lower Upper  
43 100  
58 29.8 24.2 36.4



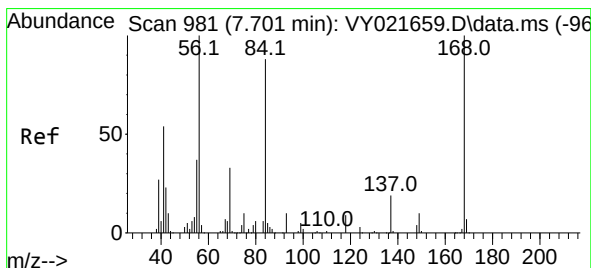
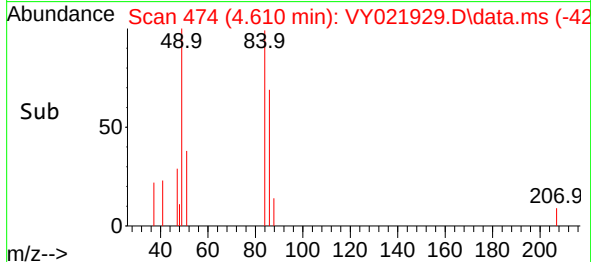
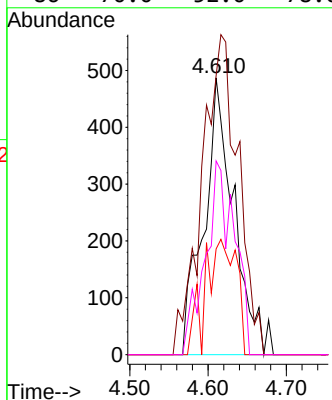
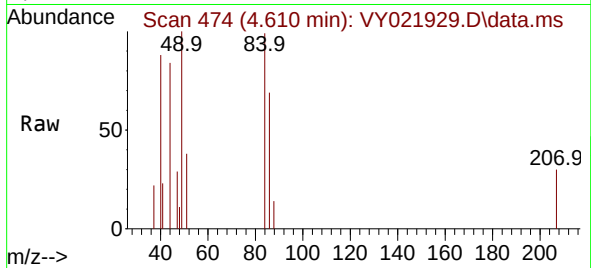


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.610 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

Tgt Ion: 84 Resp: 1309

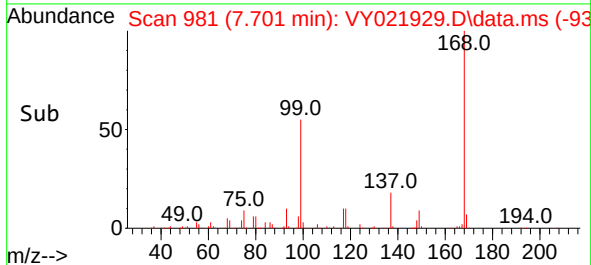
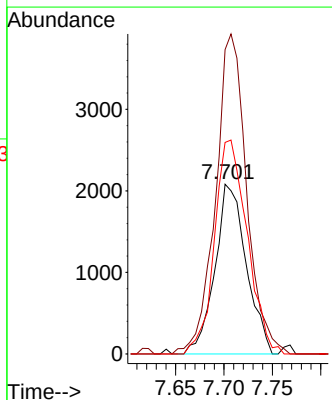
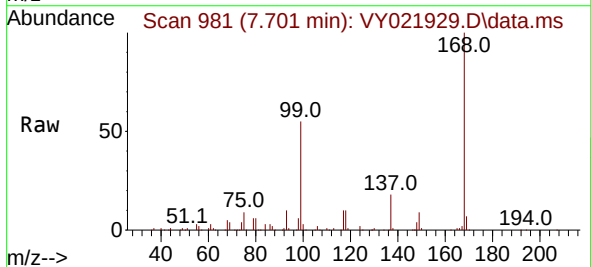
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 100.8 | 102.8 | 154.2# |
| 51  | 38.2  | 33.5  | 50.3   |
| 86  | 70.0  | 52.0  | 78.0   |

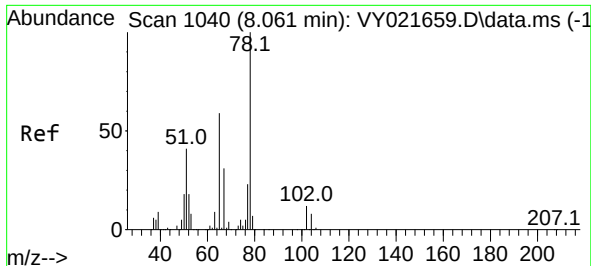


#31  
Cyclohexane  
Concen: 1.150 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Tgt Ion: 56 Resp: 4692

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 176.2 | 26.6  | 40.0#  |
| 84  | 124.6 | 69.0  | 103.4# |

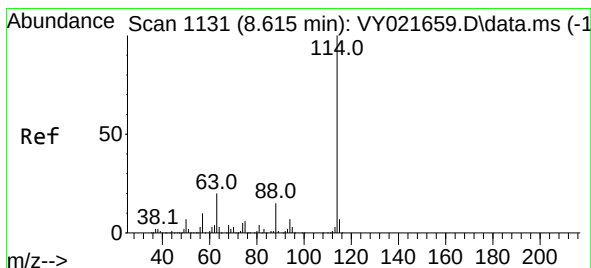
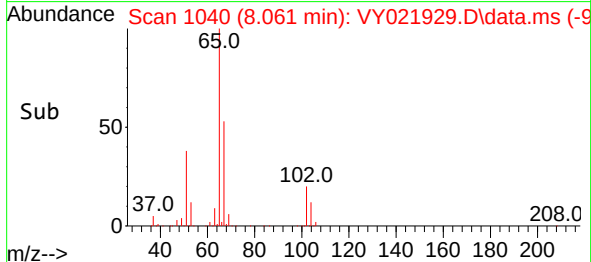
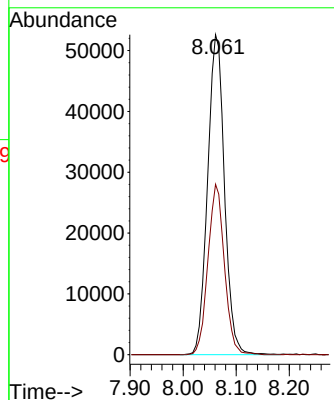
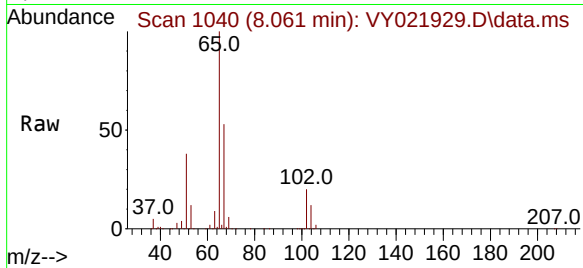




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.251 ug/l  
 RT: 8.061 min Scan# 11040  
 Delta R.T. 0.000 min  
 Lab File: VY021929.D  
 Acq: 18 Apr 2025 14:33

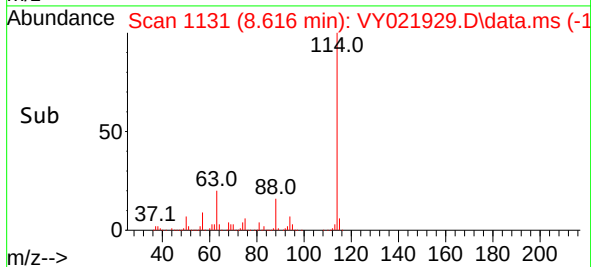
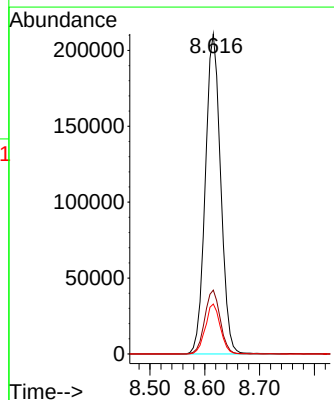
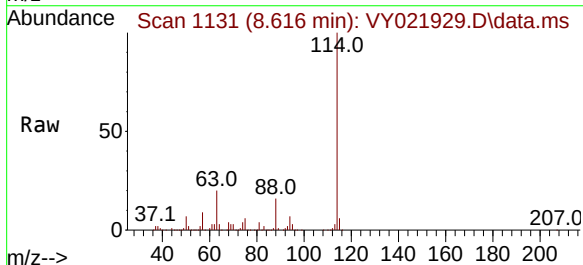
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-714-VOC-05

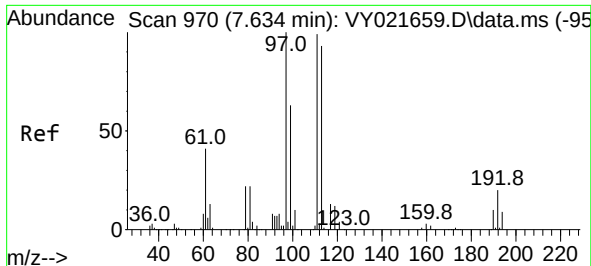
Tgt Ion: 65 Resp: 116136  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY021929.D  
 Acq: 18 Apr 2025 14:33

Tgt Ion: 114 Resp: 407980  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 40.2  
 88 15.6 0.0 29.8

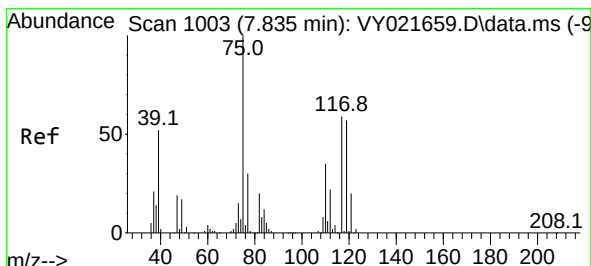
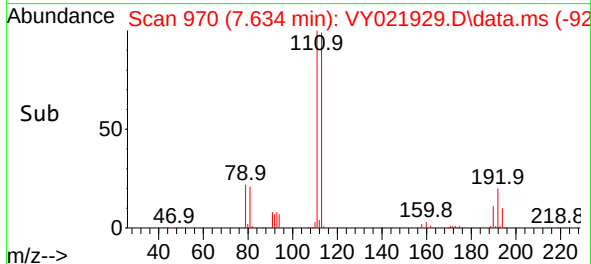
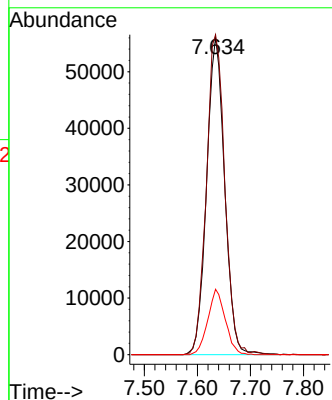
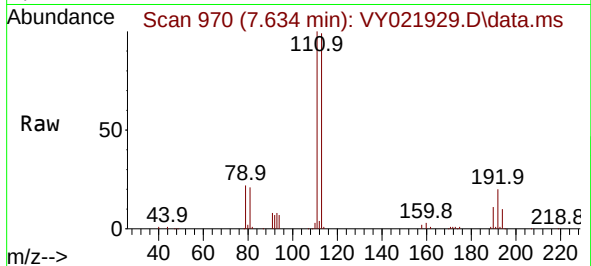




#35  
Dibromofluoromethane  
Concen: 49.926 ug/l  
RT: 7.634 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

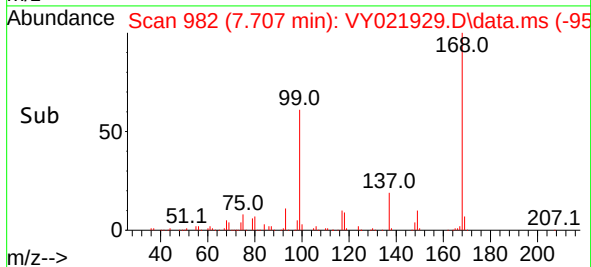
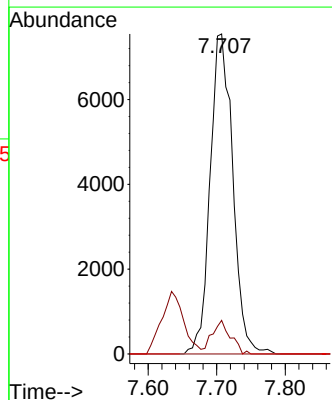
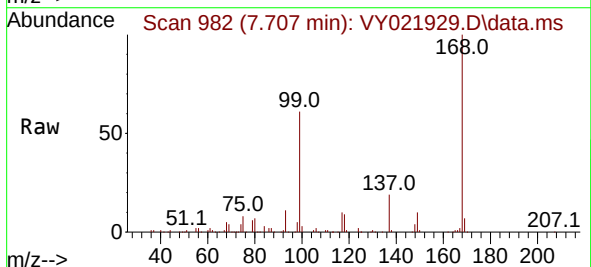
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

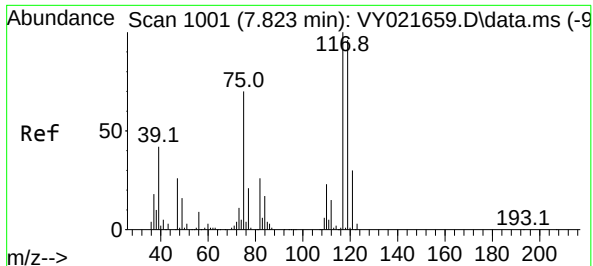
Tgt Ion:113 Resp: 132130  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 123.8  
192 20.0 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 4.292 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Tgt Ion: 75 Resp: 17303  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.0 50.9#  
77 0.0 24.8 37.2#

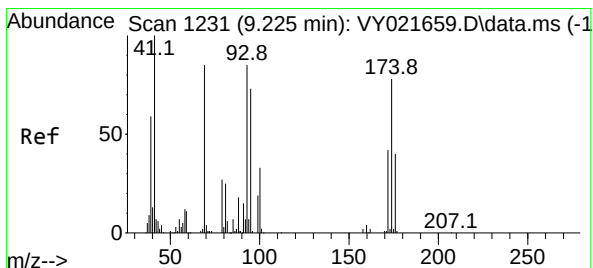
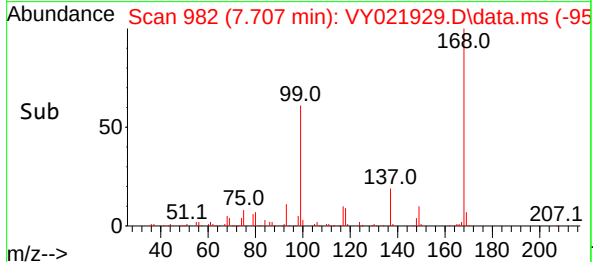
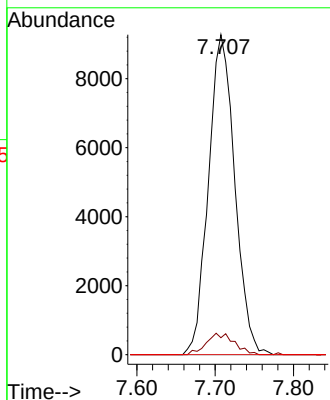
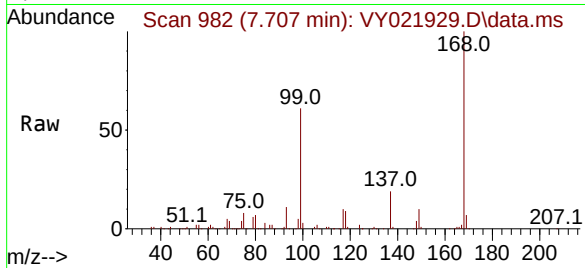




#38  
Carbon Tetrachloride  
Concen: 4.693 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

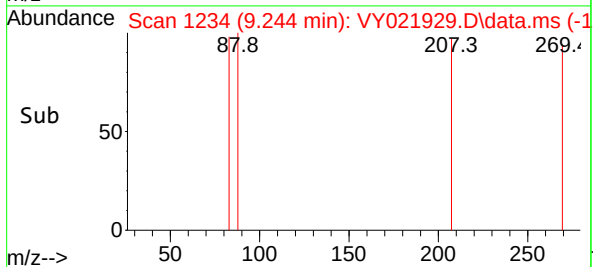
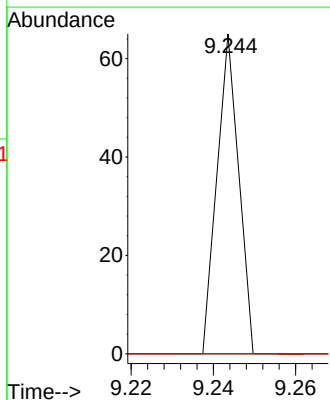
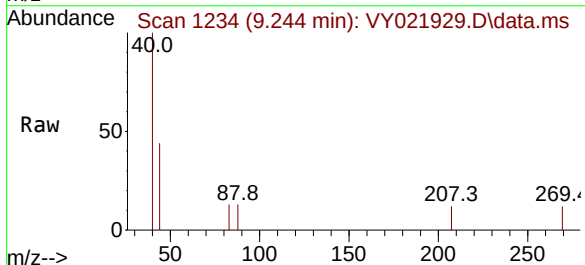
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

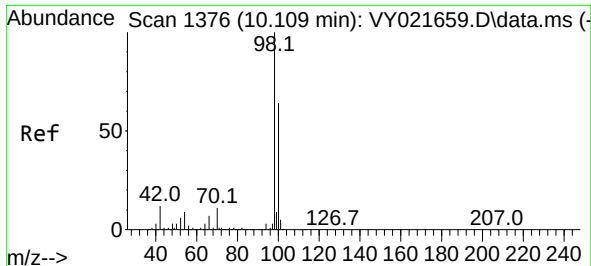
Tgt Ion:117 Resp: 21666  
Ion Ratio Lower Upper  
117 100  
119 5.3 76.2 114.4#  
121 0.0 24.2 36.4#



#49  
1,4-Dioxane  
Concen: 1.360 ug/l  
RT: 9.244 min Scan# 1234  
Delta R.T. 0.018 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Tgt Ion: 88 Resp: 24  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.8 43.2#  
58 0.0 59.4 89.2#

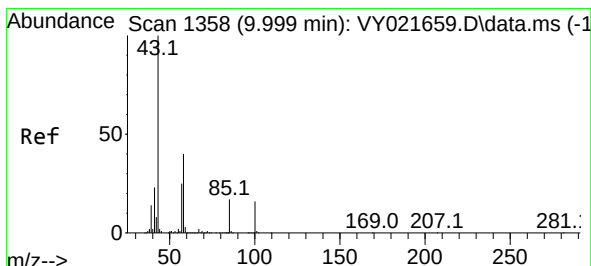
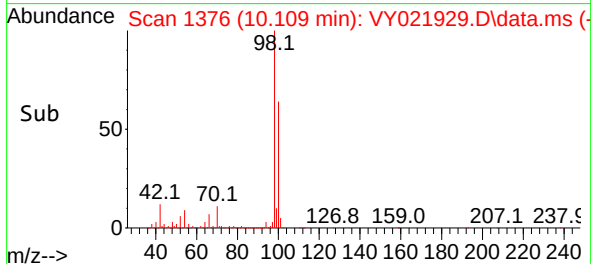
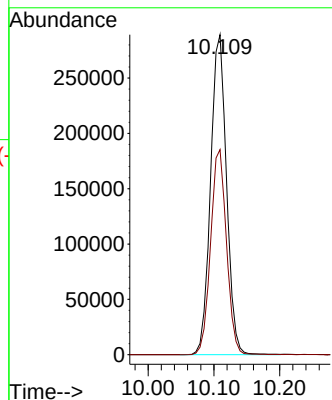
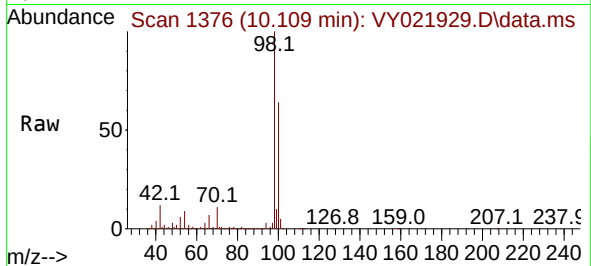




#50  
Toluene-d8  
Concen: 48.397 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

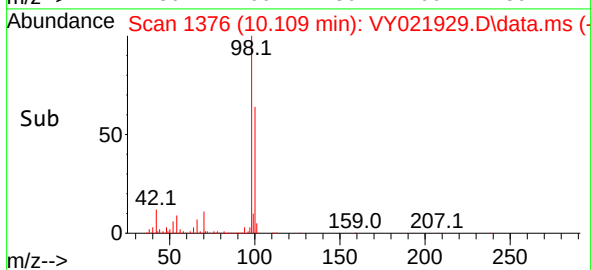
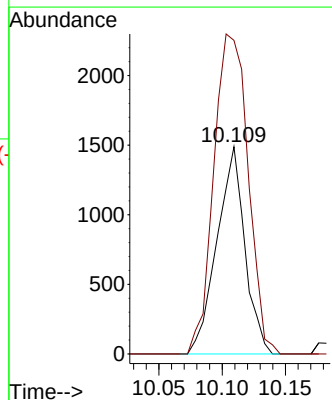
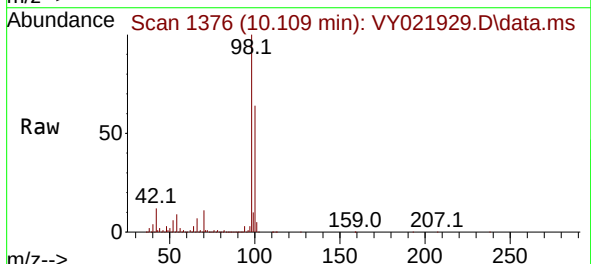
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-714-VOC-05

Tgt Ion: 98 Resp: 487268  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.1 78.1

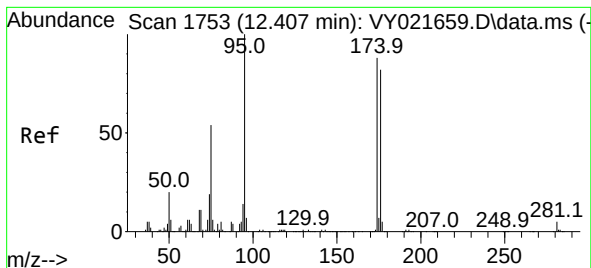


#51  
4-Methyl-2-Pentanone  
Concen: 1.217 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.110 min  
Lab File: VY021929.D  
Acq: 18 Apr 2025 14:33

Tgt Ion: 43 Resp: 2284  
Ion Ratio Lower Upper  
43 100  
58 190.0 31.5 47.3#







#62

4-Bromofluorobenzene

Concen: 37.720 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021929.D

Acq: 18 Apr 2025 14:33

Instrument :

MSVOA\_Y

ClientSampleId :

PL-714-VOC-05

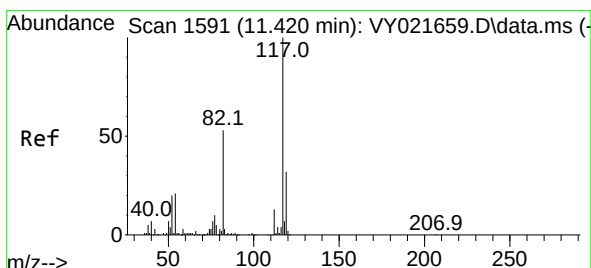
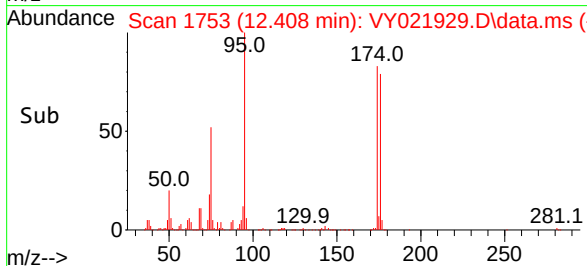
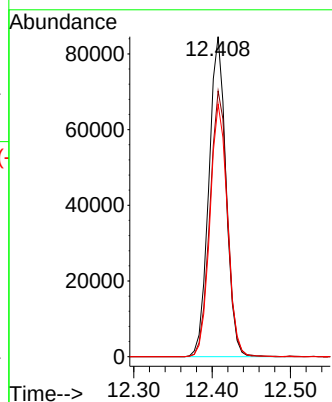
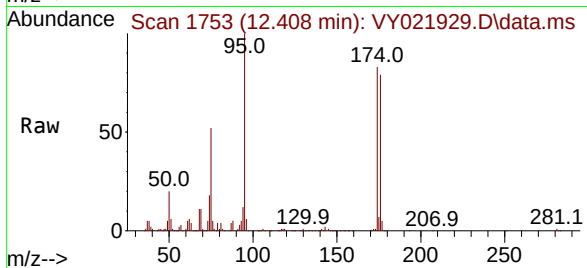
Tgt Ion: 95 Resp: 128454

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.8

176 80.4 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021929.D

Acq: 18 Apr 2025 14:33

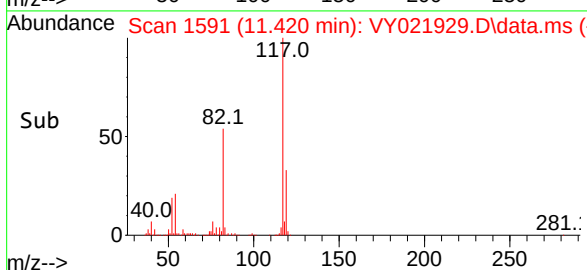
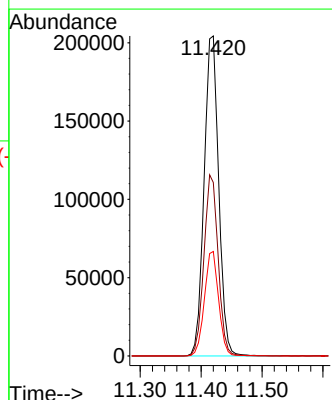
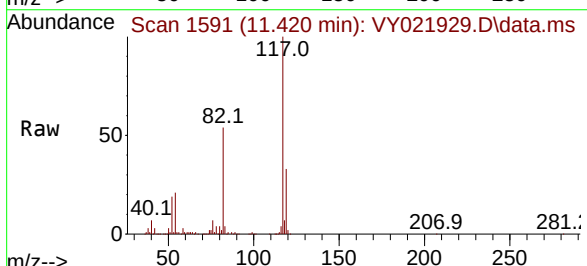
Tgt Ion: 117 Resp: 339834

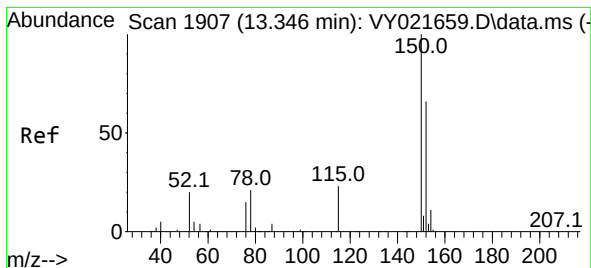
Ion Ratio Lower Upper

117 100

82 54.2 42.8 64.2

119 32.6 25.7 38.5

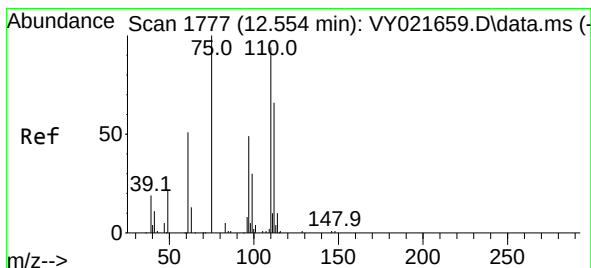
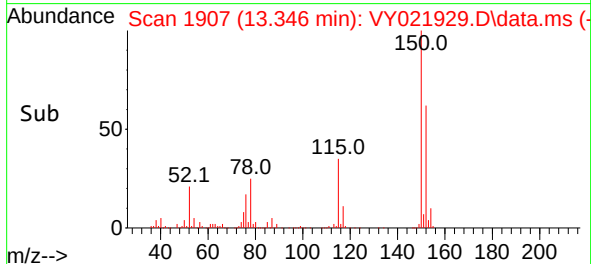
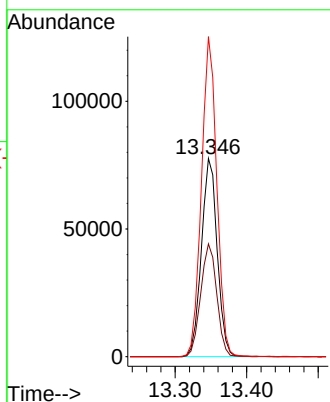
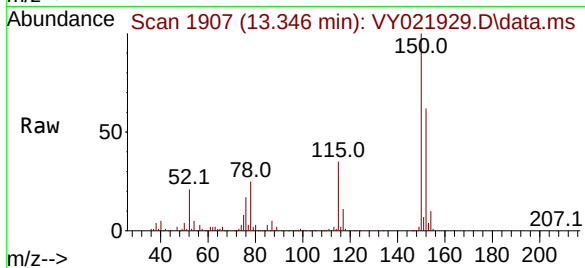




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY021929.D  
 Acq: 18 Apr 2025 14:33

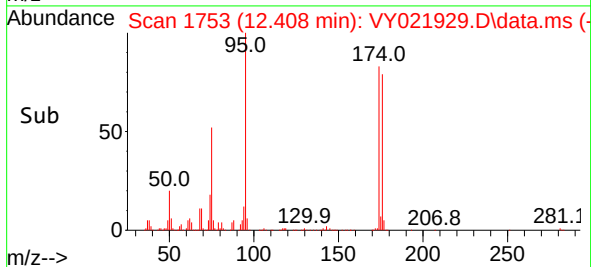
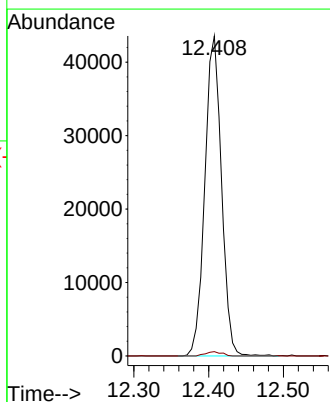
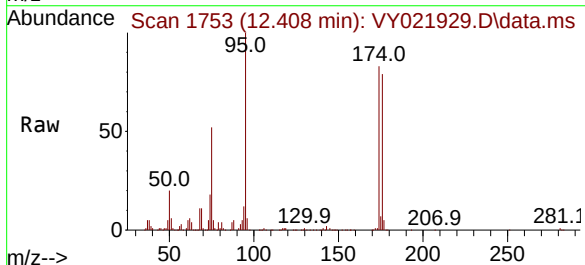
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-714-VOC-05

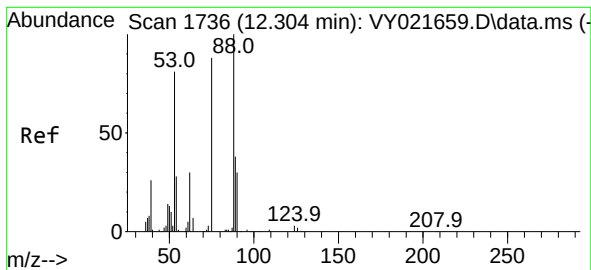
Tgt Ion:152 Resp: 119132  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 28.8 86.5  
 150 156.8 0.0 348.4



#76  
 1,2,3-Trichloropropane  
 Concen: 57.002 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY021929.D  
 Acq: 18 Apr 2025 14:33

Tgt Ion: 75 Resp: 67314  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.342 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY021929.D  
 Acq: 18 Apr 2025 14:33

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-714-VOC-05

Tgt Ion: 75 Resp: 67314  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 76.1 114.1#  
 89 0.1 36.2 54.4#

