

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020425\  
 Data File : VY021065.D  
 Acq On : 04 Feb 2025 17:47  
 Operator : SY/MD  
 Sample : Q1241-09  
 Misc : 10.62g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 05 00:49:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

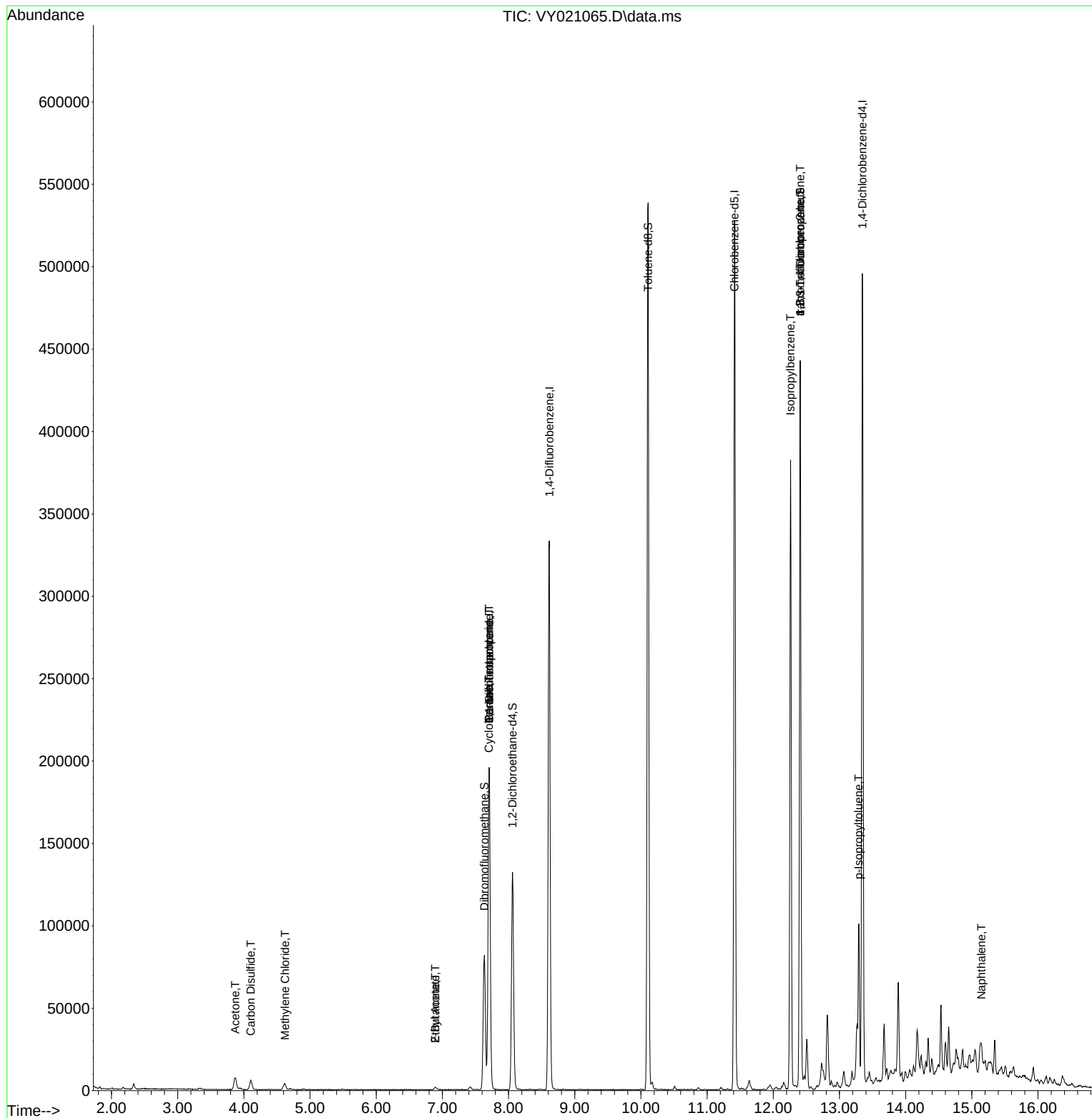
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 146429   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615  | 114   | 279661   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 270362   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 120739   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.060  | 65    | 104258   | 69.492   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 138.980% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 57442    | 32.050   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 64.100%  |          |
| 50) Toluene-d8                | 10.109 | 98    | 347250   | 50.892   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 101.780% |          |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 122654   | 55.024   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 110.040% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.872  | 43    | 13603    | 58.141   | ug/l       | 91       |
| 17) Carbon Disulfide          | 4.104  | 76    | 10095    | 2.306    | ug/l #     | 91       |
| 20) Methylene Chloride        | 4.622  | 84    | 2652     | 1.823    | ug/l #     | 85       |
| 25) 2-Butanone                | 6.890  | 43    | 2146     | 5.582    | ug/l #     | 84       |
| 31) Cyclohexane               | 7.701  | 56    | 3386     | 1.323    | ug/l #     | 11       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 11875    | 4.473    | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.890  | 43    | 2146     | 1.843    | ug/l #     | 69       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 15309    | 4.935    | ug/l #     | 16       |
| 73) Isopropylbenzene          | 12.261 | 105   | 14913    | 1.581    | ug/l #     | 66       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 69453    | 63.413   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 69453    | 129.393  | ug/l #     | 12       |
| 86) p-Isopropyltoluene        | 13.291 | 119   | 49442    | 5.949    | ug/l       | 94       |
| 95) Naphthalene               | 15.145 | 128   | 12154    | 3.742    | ug/l       | 95       |
| -----                         |        |       |          |          |            |          |

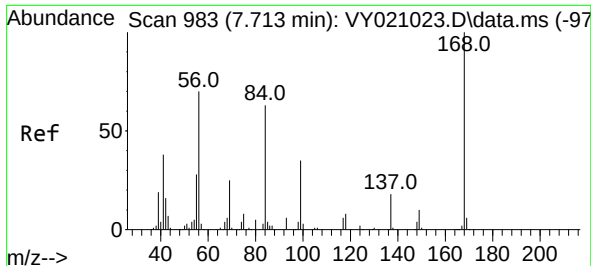
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

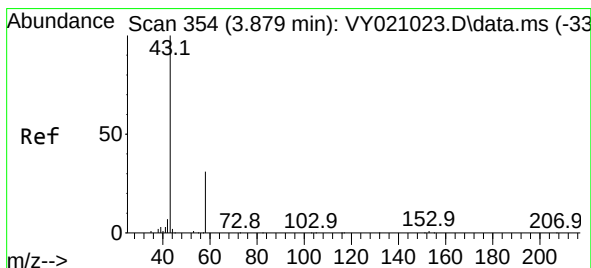
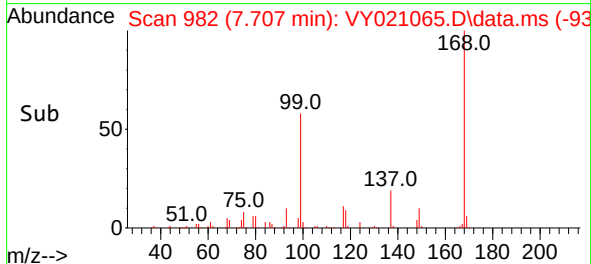
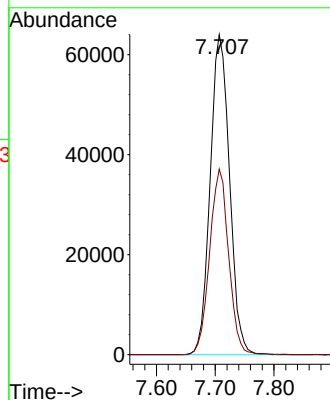
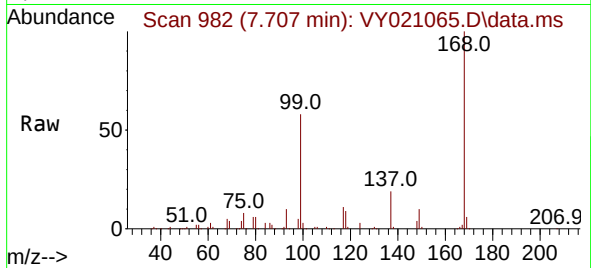




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

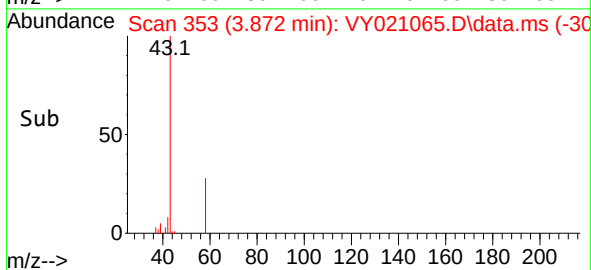
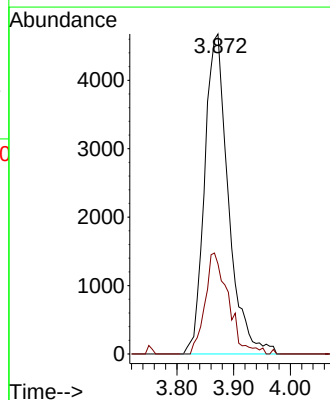
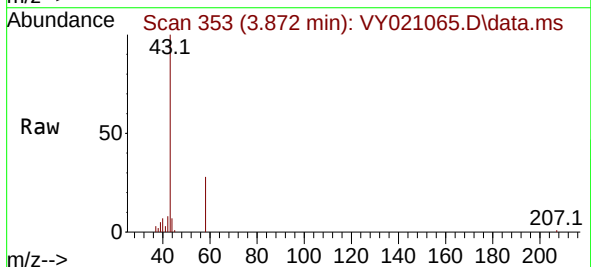
Instrument :  
MSVOA\_Y  
ClientSampleId :

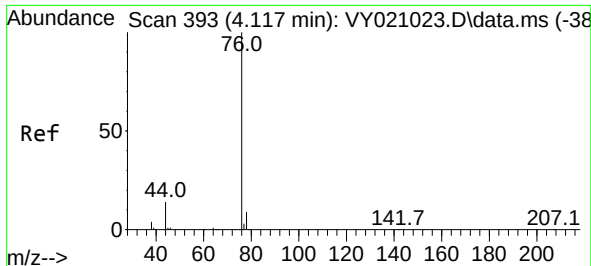
Tgt Ion:168 Resp: 146429  
Ion Ratio Lower Upper  
168 100  
99 58.0 44.2 66.4



#16  
Acetone  
Concen: 58.141 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. -0.007 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Tgt Ion: 43 Resp: 13603  
Ion Ratio Lower Upper  
43 100  
58 28.2 26.6 39.8

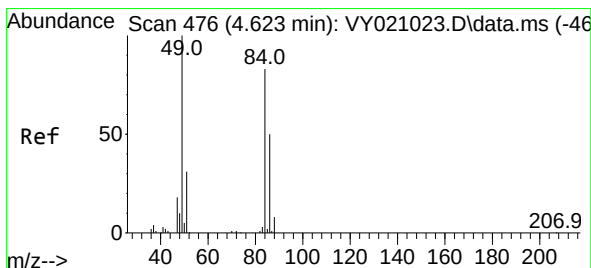
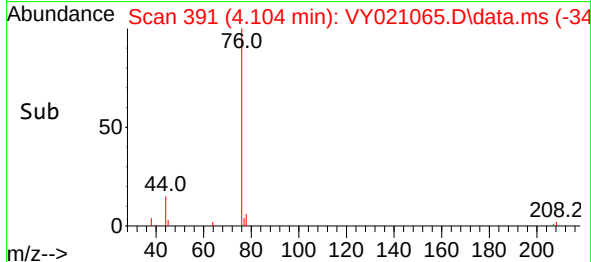
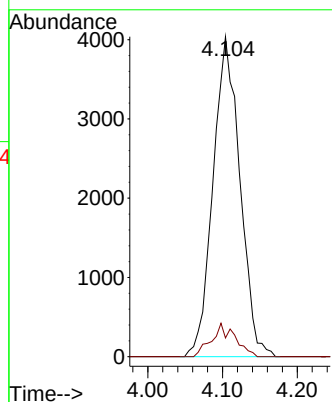
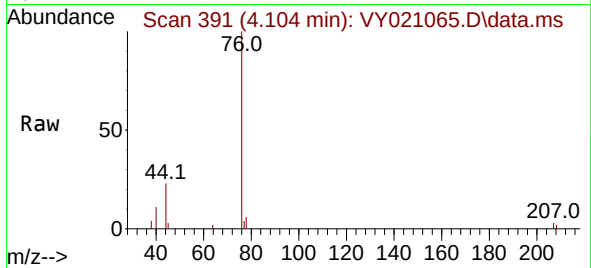




#17  
Carbon Disulfide  
Concen: 2.306 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.013 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

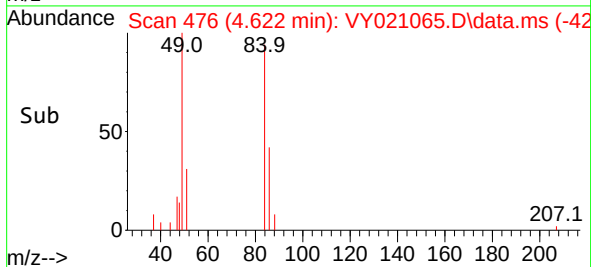
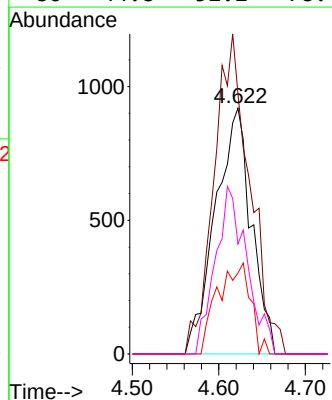
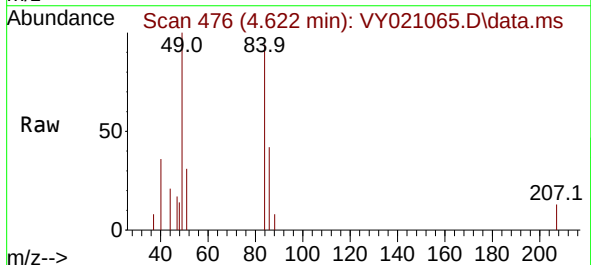
Instrument :  
MSVOA\_Y  
ClientSampleId :

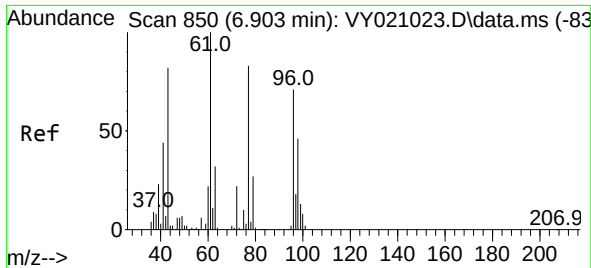
Tgt Ion: 76 Resp: 10095  
Ion Ratio Lower Upper  
76 100  
78 5.8 7.4 11.0#



#20  
Methylene Chloride  
Concen: 1.823 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. -0.000 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

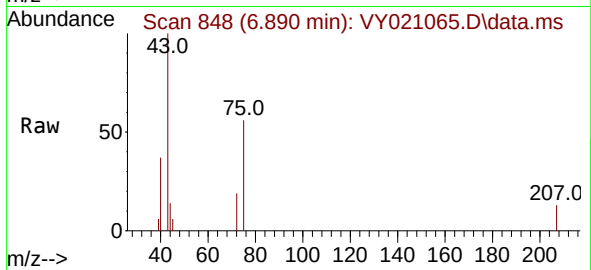
Tgt Ion: 84 Resp: 2652  
Ion Ratio Lower Upper  
84 100  
49 105.9 95.2 142.8  
51 33.0 29.9 44.9  
86 44.8 52.2 78.4#



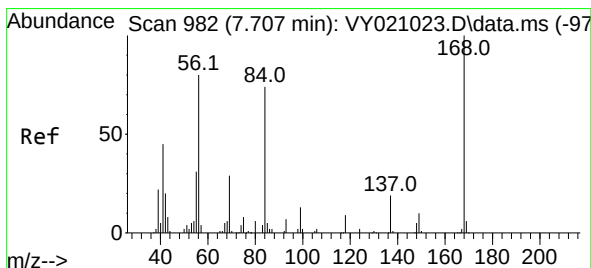
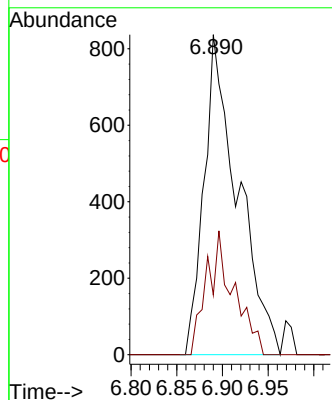
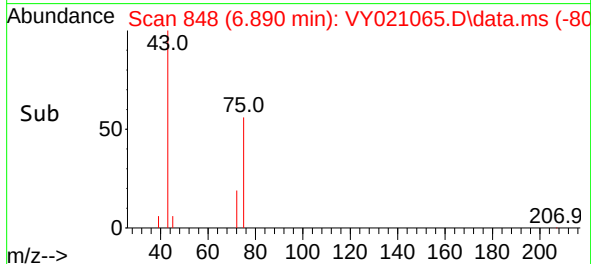


#25  
2-Butanone  
Concen: 5.582 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. -0.013 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

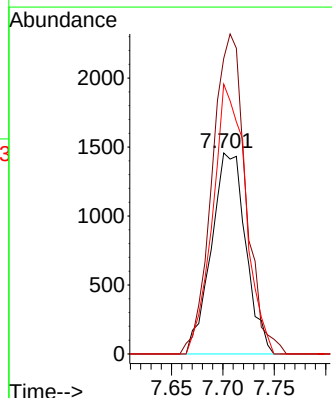
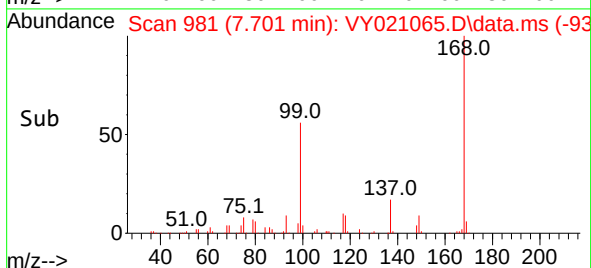
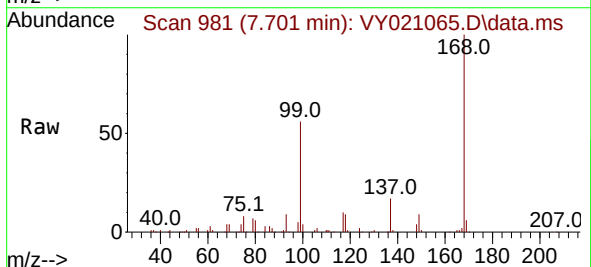


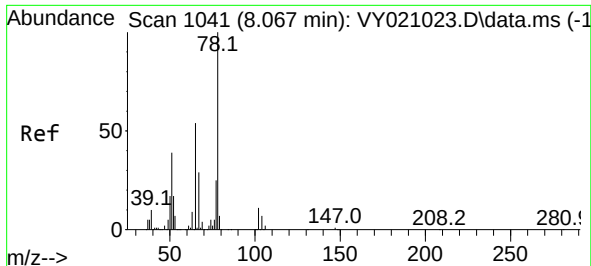
Tgt Ion: 43 Resp: 2146  
Ion Ratio Lower Upper  
43 100  
72 18.6 21.4 32.2#



#31  
Cyclohexane  
Concen: 1.323 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.007 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Tgt Ion: 56 Resp: 3386  
Ion Ratio Lower Upper  
56 100  
69 147.1 27.0 40.6#  
84 134.2 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 69.492 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY021065.D

Acq: 04 Feb 2025 17:47

Instrument :

MSVOA\_Y

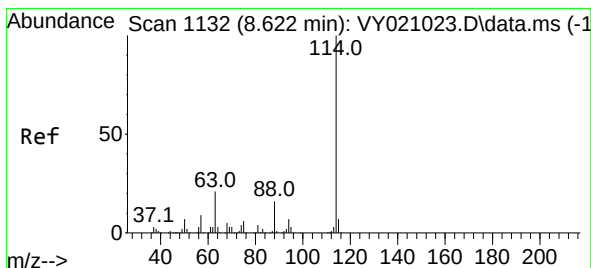
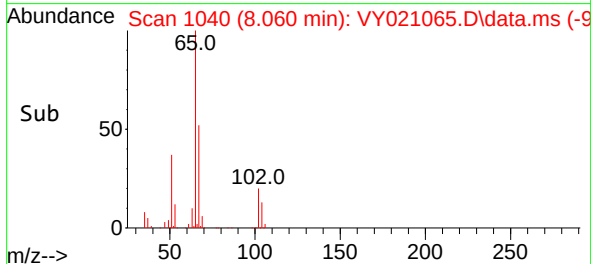
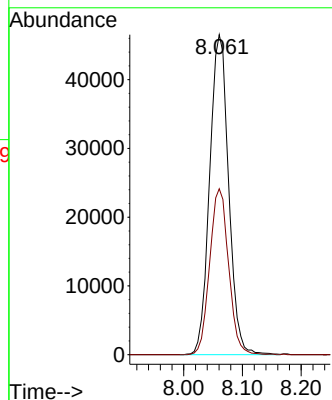
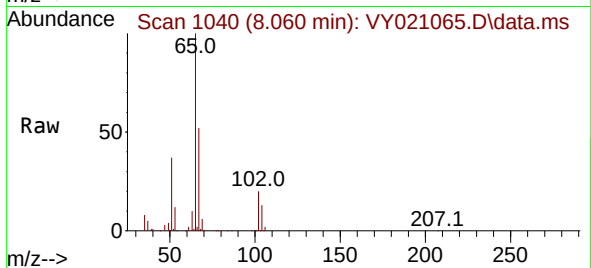
ClientSampleId :

Tgt Ion: 65 Resp: 104258

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.007 min

Lab File: VY021065.D

Acq: 04 Feb 2025 17:47

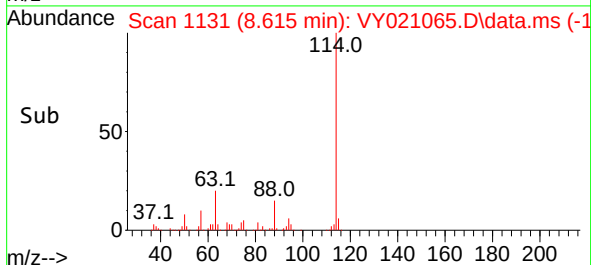
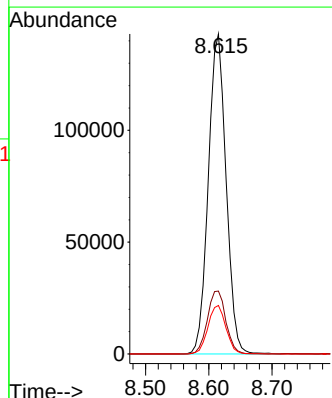
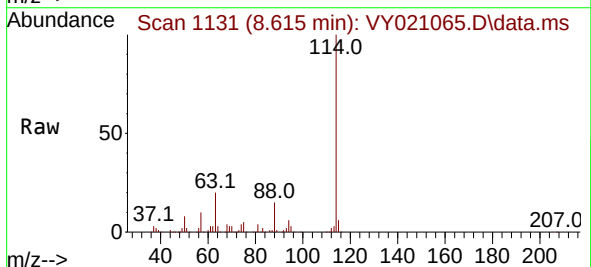
Tgt Ion: 114 Resp: 279661

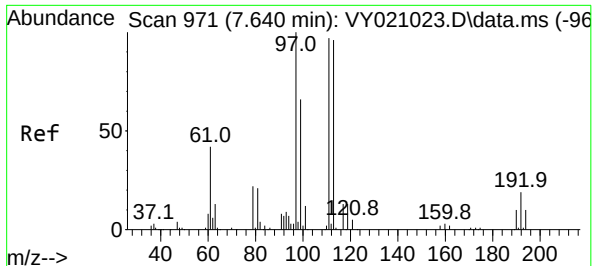
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

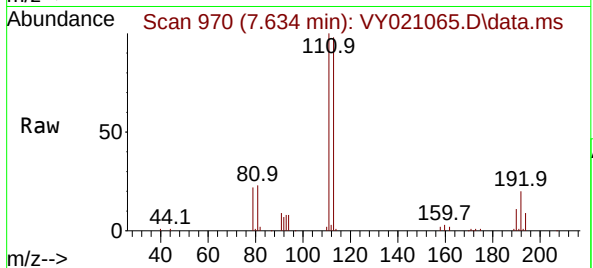
88 15.2 0.0 29.0



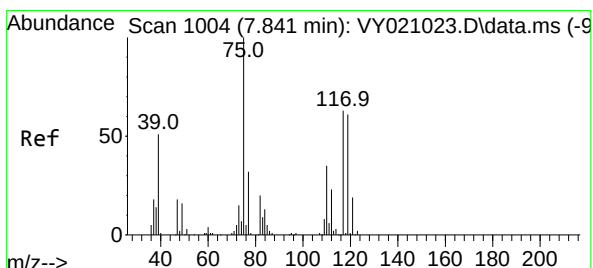
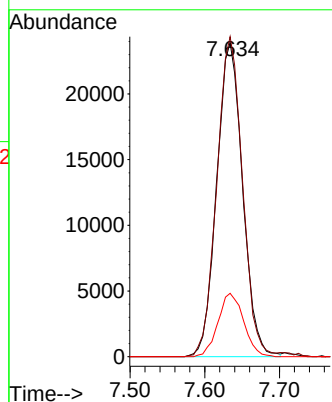
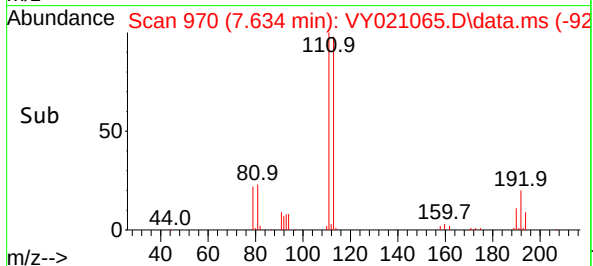


#35  
Dibromofluoromethane  
Concen: 32.050 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.007 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Instrument :  
MSVOA\_Y  
ClientSampleId :

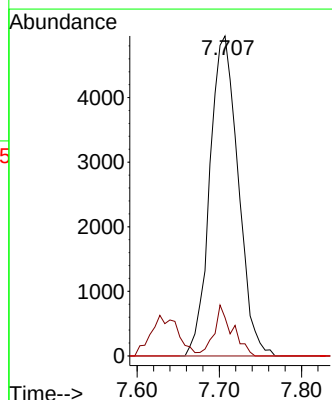
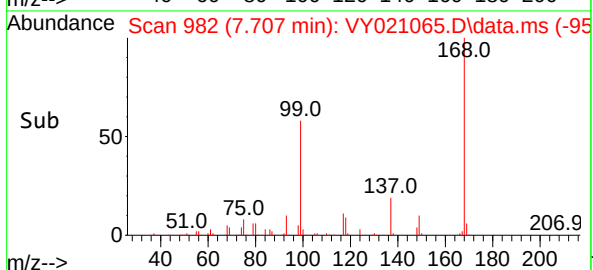
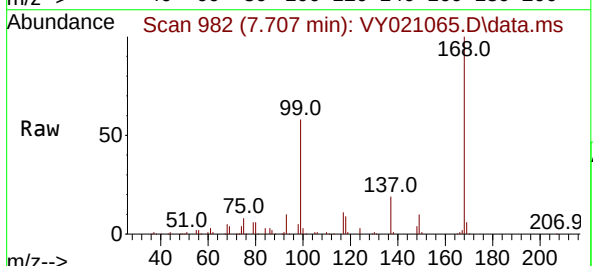


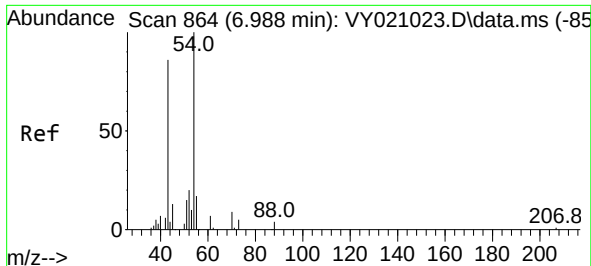
Tgt Ion:113 Resp: 57442  
Ion Ratio Lower Upper  
113 100  
111 101.0 83.8 125.6  
192 20.1 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.473 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.135 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Tgt Ion: 75 Resp: 11875  
Ion Ratio Lower Upper  
75 100  
110 10.4 17.4 52.3#  
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.843 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.098 min

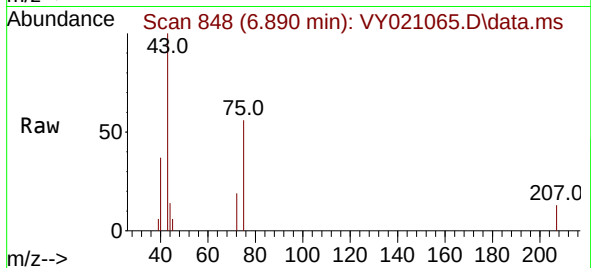
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Acq: 04 Feb 2025 17:47

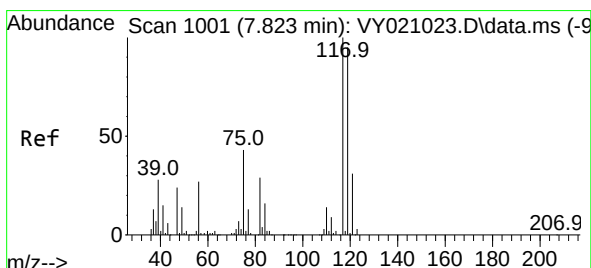
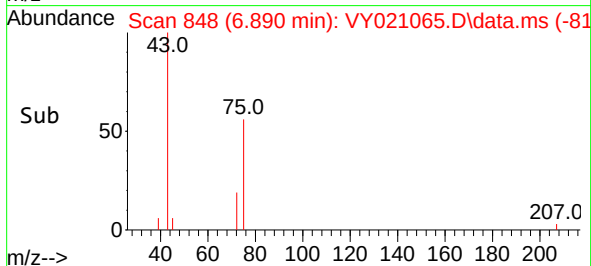
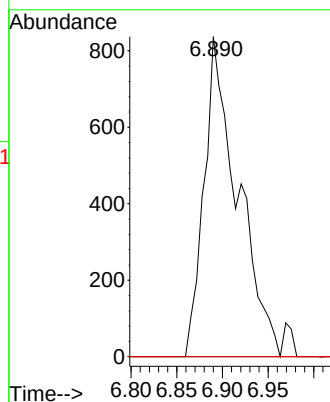
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2146  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 11.0  | 16.6# |
| 70       | 0.0   | 8.1   | 12.1# |



#38

Carbon Tetrachloride

Concen: 4.935 ug/l

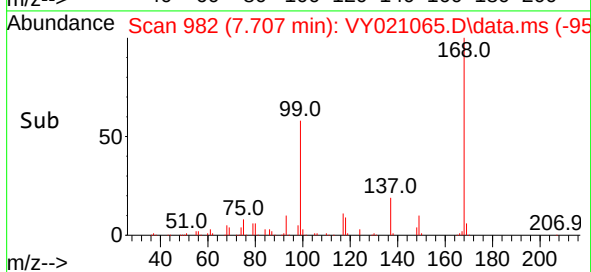
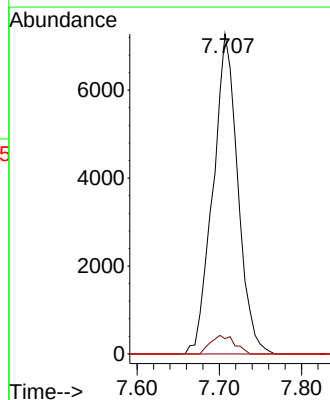
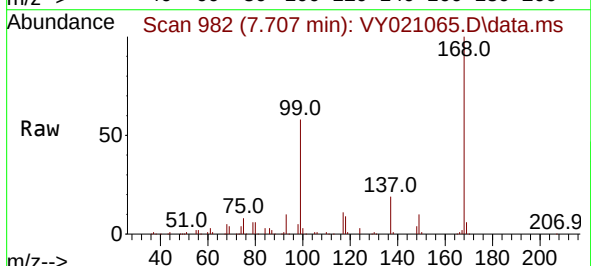
RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

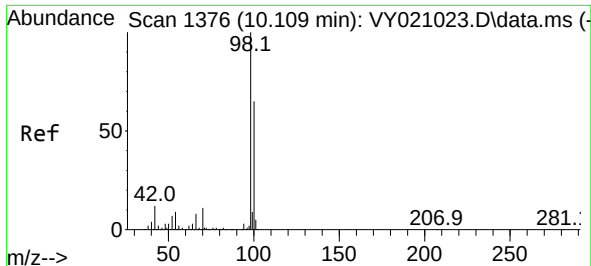
Lab File: VY021065.D

Acq: 04 Feb 2025 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 15309  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.8   | 76.0  | 114.0# |
| 121      | 0.0   | 24.2  | 36.2#  |



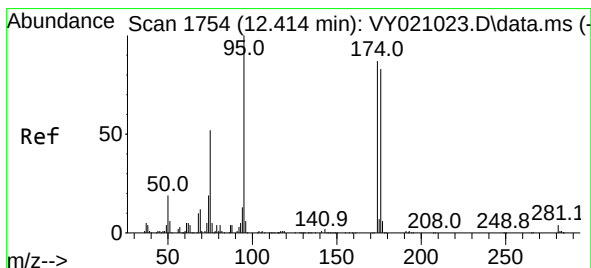
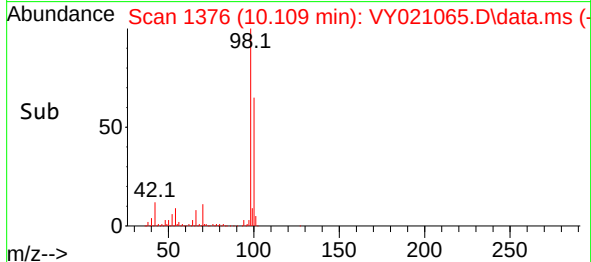
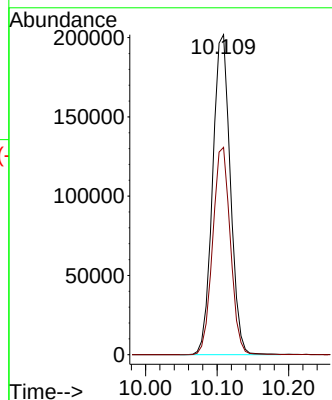
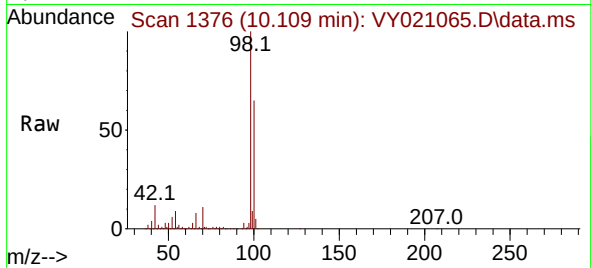




#50  
Toluene-d8  
Concen: 50.892 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

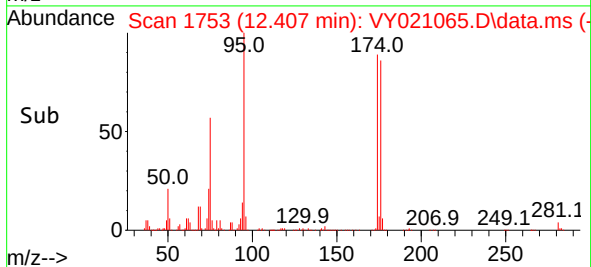
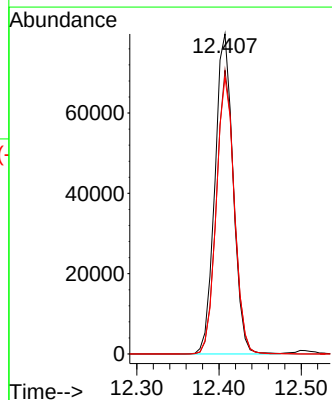
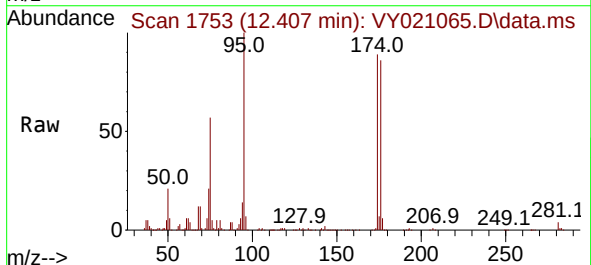
Instrument :  
MSVOA\_Y  
ClientSampleId :

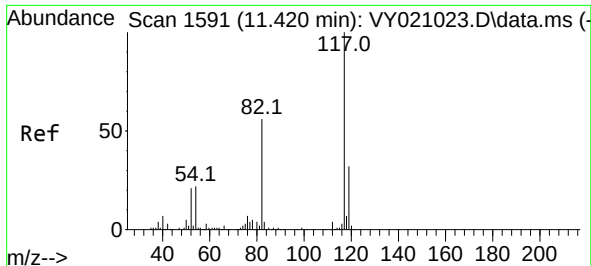
Tgt Ion: 98 Resp: 347250  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 55.024 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.007 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Tgt Ion: 95 Resp: 122654  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 160.0  
176 85.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.007 min

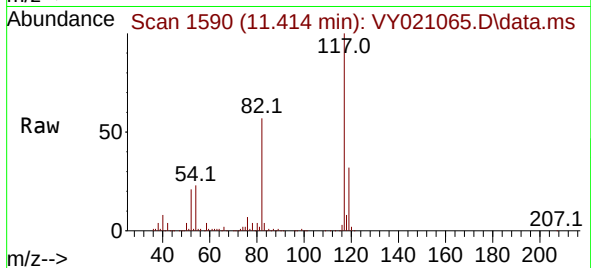
Lab File: VY021065.D

Acq: 04 Feb 2025 17:47

Instrument :

MSVOA\_Y

ClientSampleId :



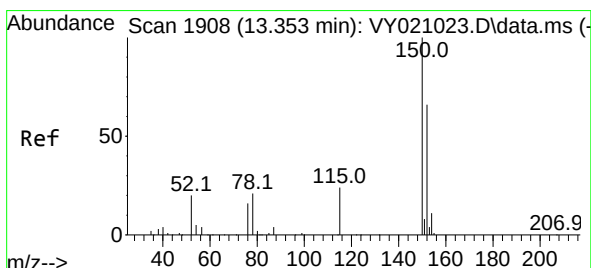
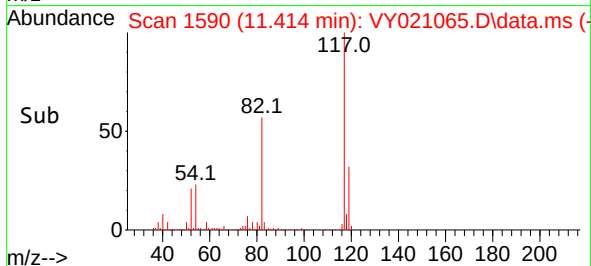
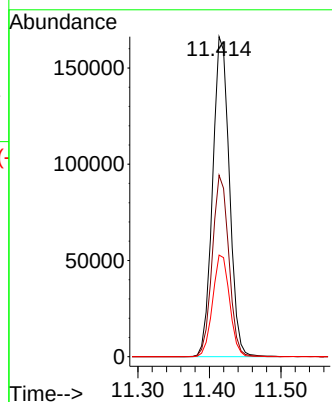
Tgt Ion:117 Resp: 270362

Ion Ratio Lower Upper

117 100

82 56.7 43.8 65.8

119 31.7 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.007 min

Lab File: VY021065.D

Acq: 04 Feb 2025 17:47

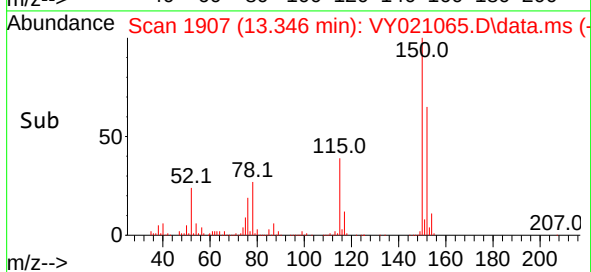
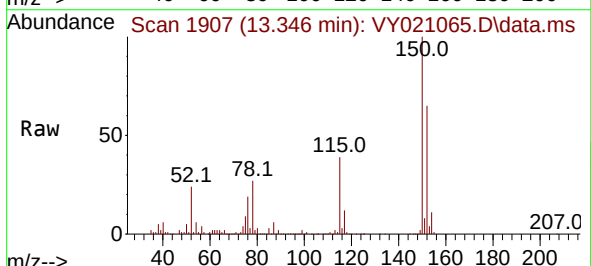
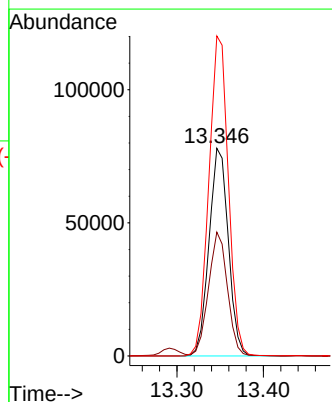
Tgt Ion:152 Resp: 120739

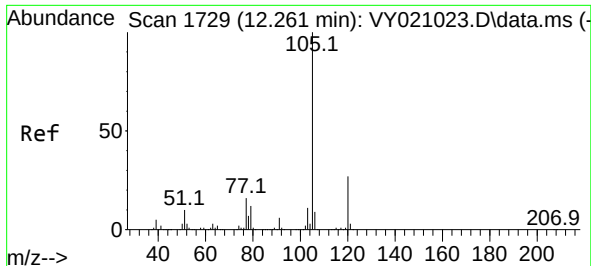
Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

150 155.5 0.0 344.6

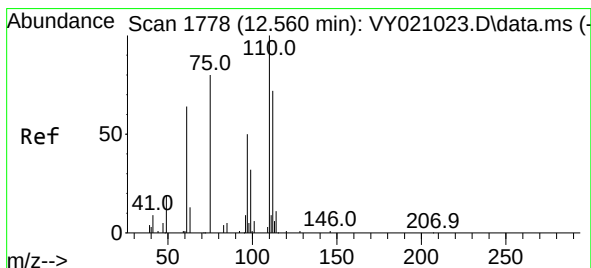
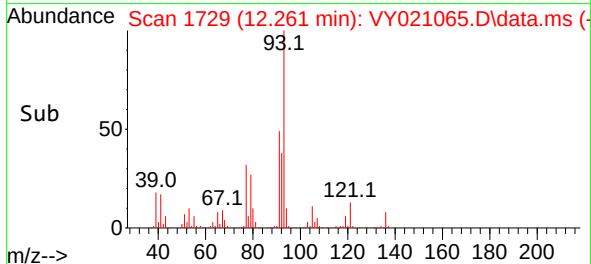
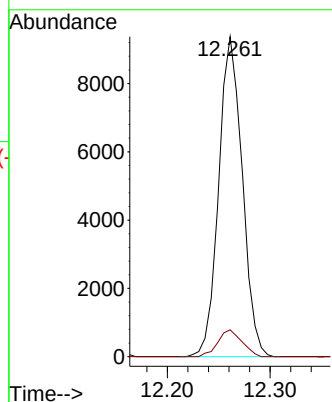
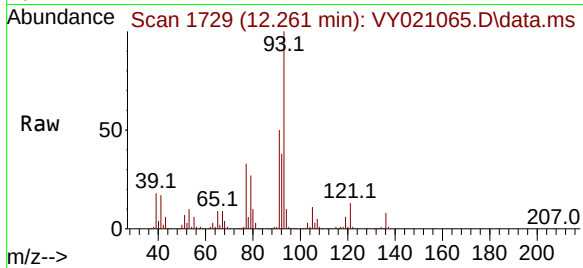




#73  
Isopropylbenzene  
Concen: 1.581 ug/l  
RT: 12.261 min Scan# 1729  
Delta R.T. -0.000 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

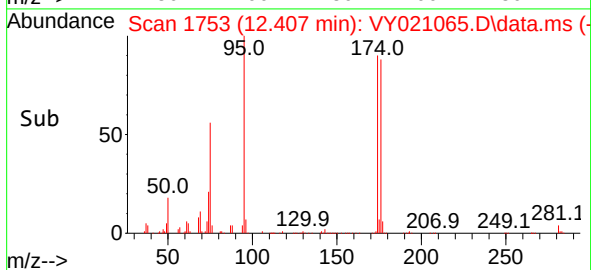
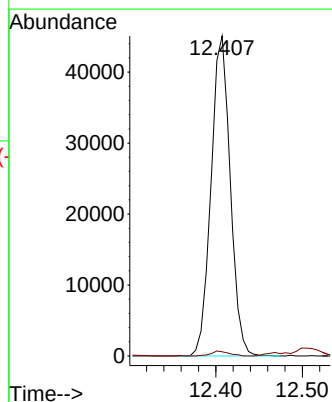
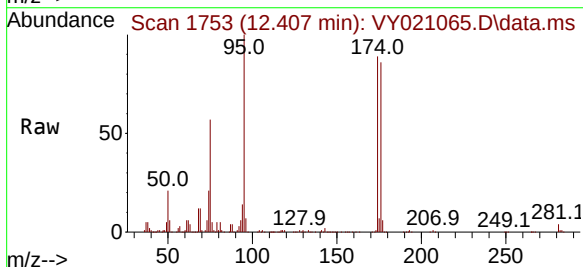
Instrument :  
MSVOA\_Y  
ClientSampleId :

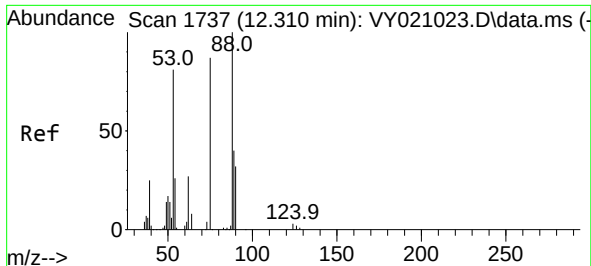
Tgt Ion:105 Resp: 14913  
Ion Ratio Lower Upper  
105 100  
120 8.6 13.0 39.0#



#76  
1,2,3-Trichloropropane  
Concen: 63.413 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.153 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

Tgt Ion: 75 Resp: 69453  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#

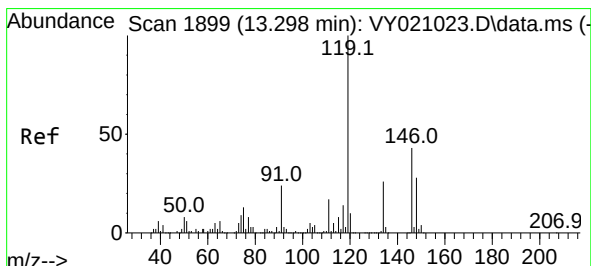
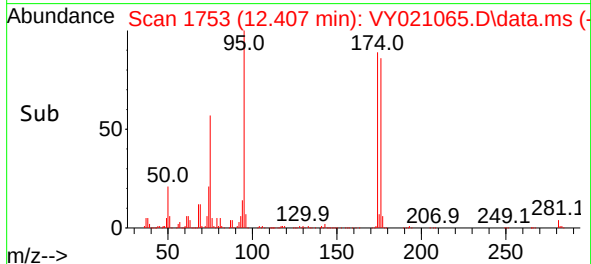
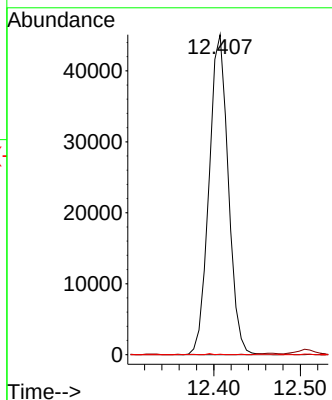
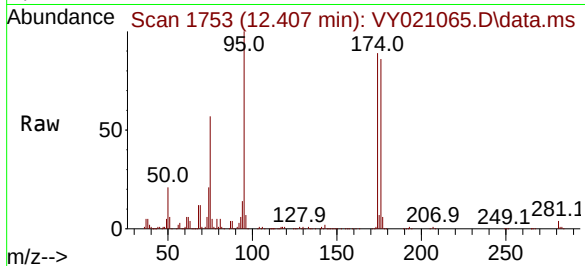




#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.393 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.097 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

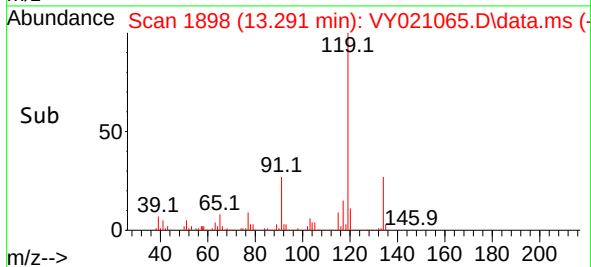
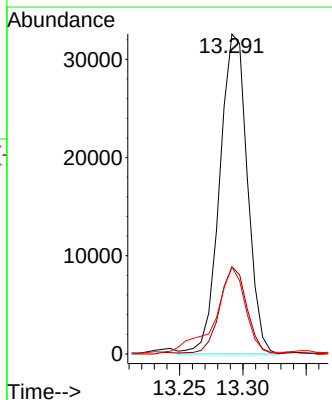
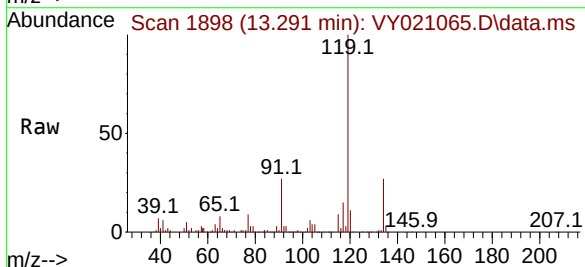
Instrument :  
MSVOA\_Y  
ClientSampleId :

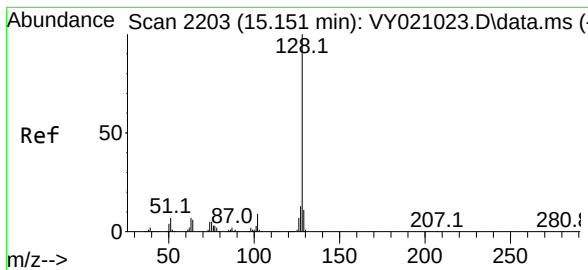
Tgt Ion: 75 Resp: 69453  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.1 36.5 54.7#



#86  
p-Isopropyltoluene  
Concen: 5.949 ug/l  
RT: 13.291 min Scan# 1898  
Delta R.T. -0.007 min  
Lab File: VY021065.D  
Acq: 04 Feb 2025 17:47

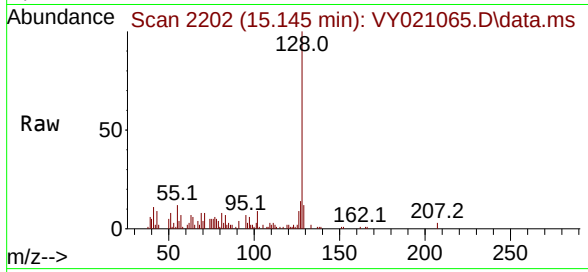
Tgt Ion: 119 Resp: 49442  
Ion Ratio Lower Upper  
119 100  
134 26.1 13.1 39.1  
91 29.9 11.7 35.0





#95  
 Naphthalene  
 Concen: 3.742 ug/l  
 RT: 15.145 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: VY021065.D  
 Acq: 04 Feb 2025 17:47

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 12154 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.4  | 10.2  | 15.4  |
| 129      | 12.7  | 8.6   | 12.8  |

