

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010325\  
 Data File : VY020767.D  
 Acq On : 03 Jan 2025 10:51  
 Operator : SY/MD  
 Sample : VY0103SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 03 22:02:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 Response via : Initial Calibration

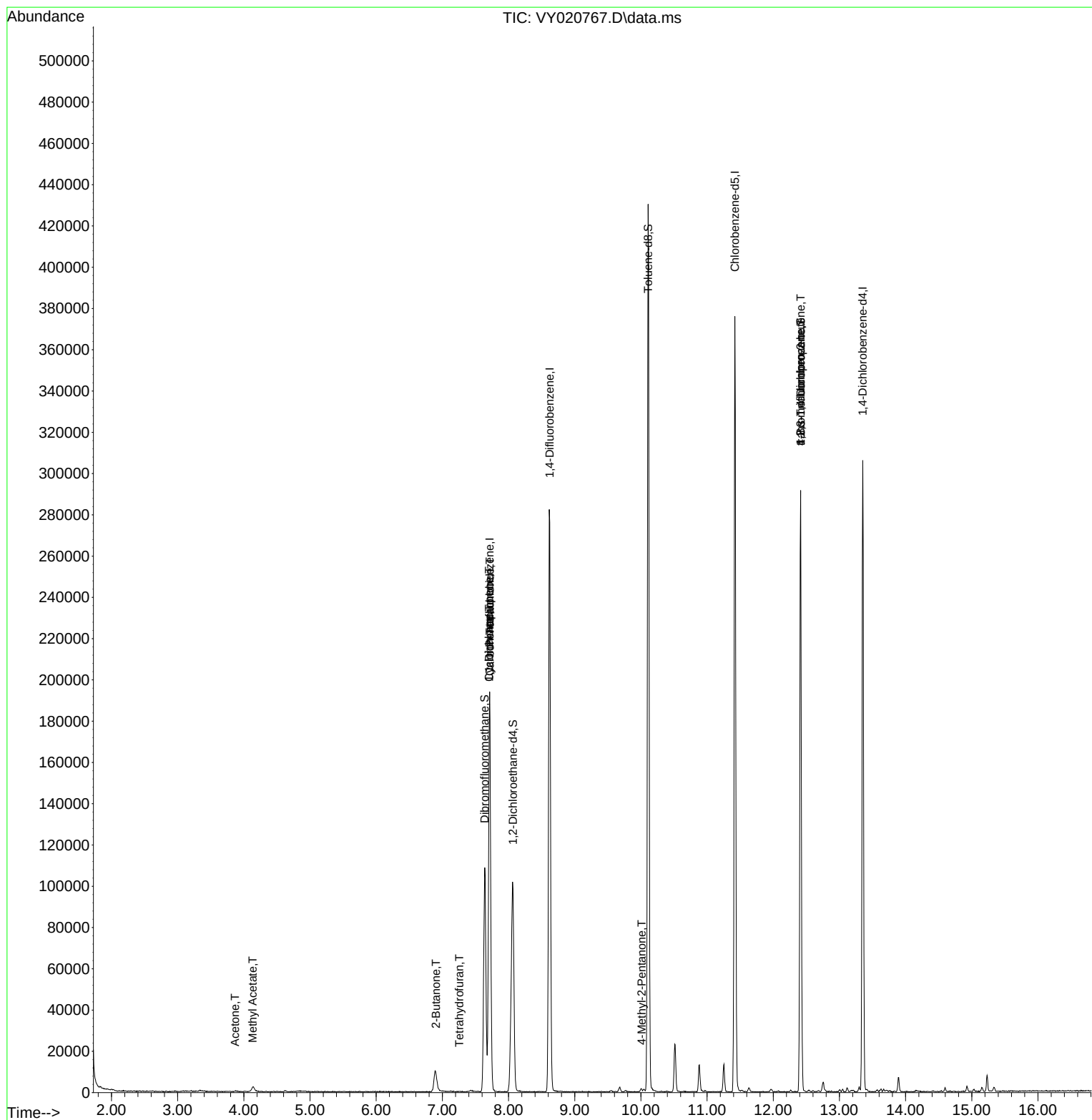
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 153017              | 50.000    | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.622          | 114  | 252510              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420         | 117  | 209480              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352         | 152  | 81586               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067          | 65   | 66625               | 53.158    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 106.320% |           |        |          |
| 35) Dibromofluoromethane      | 7.640          | 113  | 75966               | 54.618    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.240% |           |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 292230              | 52.738    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 105.480% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.414         | 95   | 86459               | 46.775    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 29 - 146 |      | Recovery = 93.540%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.848          | 59   | 468                 | Below Cal | #      | 89       |
| 16) Acetone                   | 3.866          | 43   | 393                 | 2.472     | ug/l # | 43       |
| 18) Methyl Acetate            | 4.135          | 43   | 874                 | 2.031     | ug/l # | 43       |
| 25) 2-Butanone                | 6.902          | 43   | 681                 | 3.171     | ug/l # | 38       |
| 29) Tetrahydrofuran           | 7.256          | 42   | 140                 | 1.062     | ug/l # | 23       |
| 31) Cyclohexane               | 7.707          | 56   | 2645                | 1.643     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 10610               | 5.775     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.719          | 117  | 15438               | 5.103     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.012         | 43   | 1062                | 1.710     | ug/l # | 81       |
| 76) 1,2,3-Trichloropropane    | 12.414         | 75   | 44246               | 85.269    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414         | 75   | 44246               | 168.544   | ug/l # | 8        |
| -----                         |                |      |                     |           |        |          |

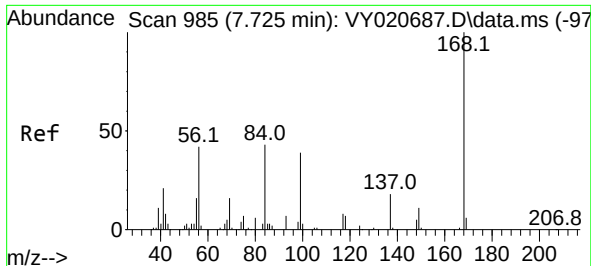
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010325\  
Data File : VY020767.D  
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Operator : SY/MD  
Sample : VY0103SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 03 22:02:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 26 16:12:28 2024  
Response via : Initial Calibration

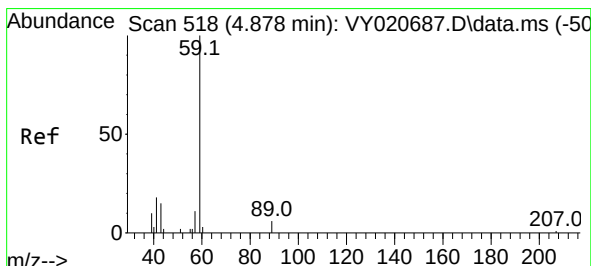
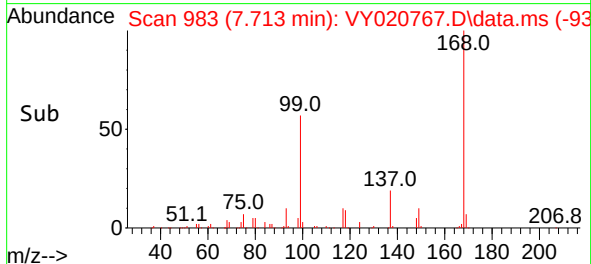
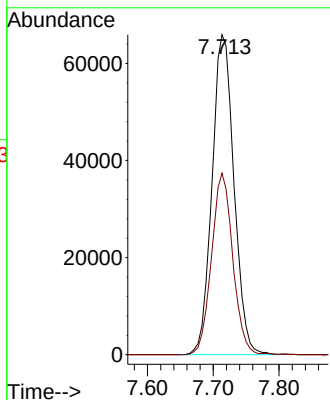
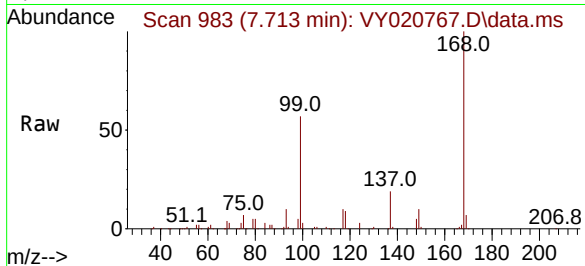




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. -0.012 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

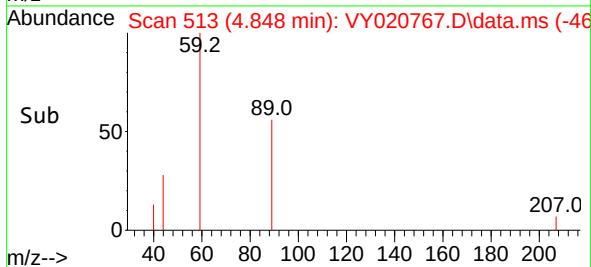
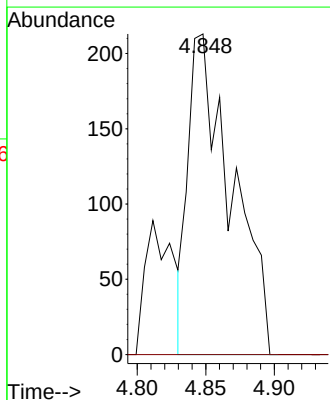
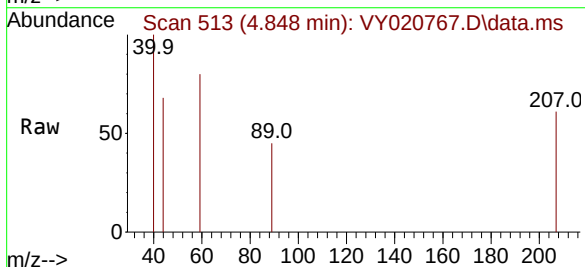
Instrument :  
MSVOA\_Y  
ClientSampleId :

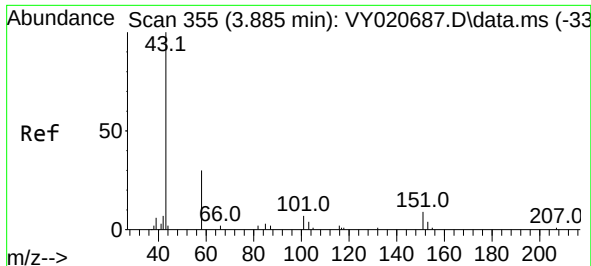
Tgt Ion:168 Resp: 153017  
Ion Ratio Lower Upper  
168 100  
99 56.7 43.8 65.6



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.848 min Scan# 513  
Delta R.T. -0.030 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

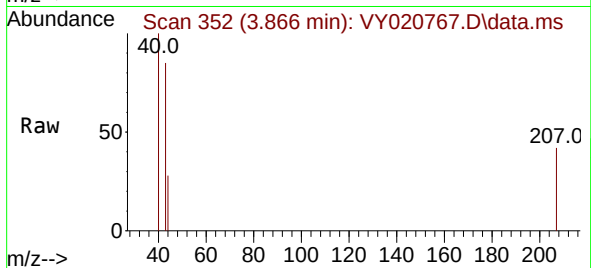
Tgt Ion: 59 Resp: 468  
Ion Ratio Lower Upper  
59 100  
57 0.0 2.8 4.2#



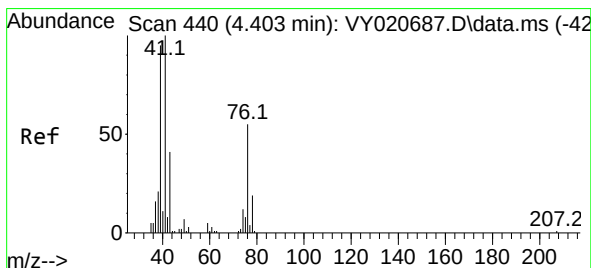
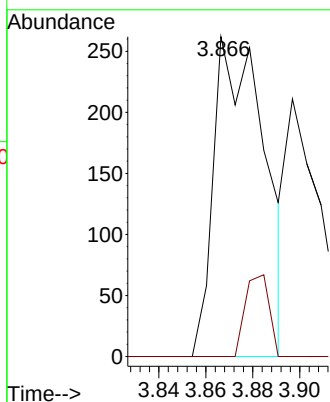
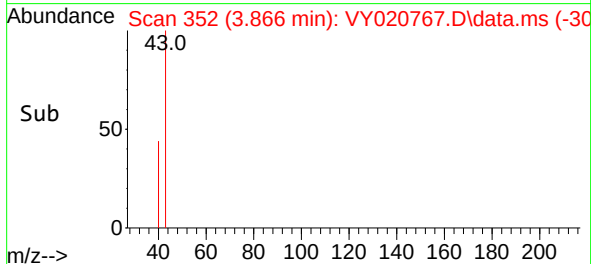


#16  
Acetone  
Concen: 2.472 ug/l  
RT: 3.866 min Scan# 393  
Delta R.T. -0.019 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

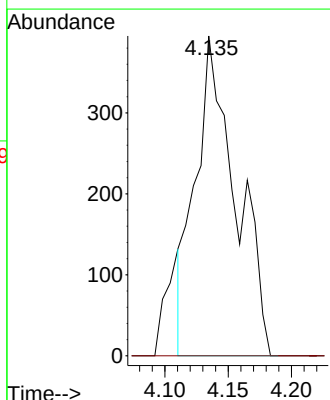
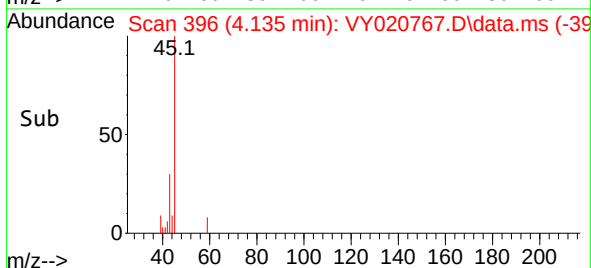
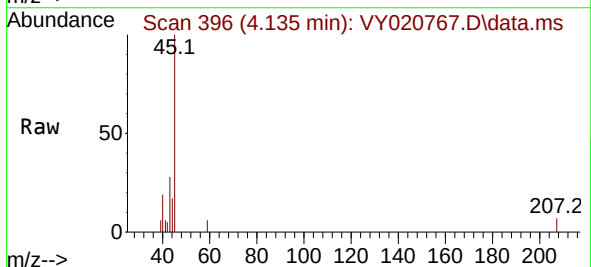


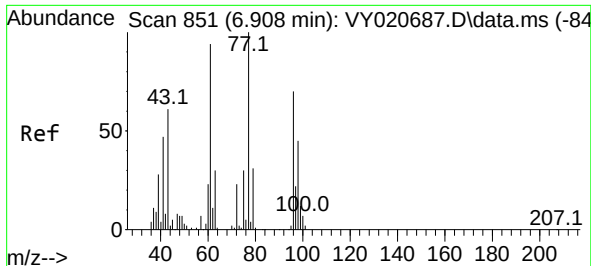
Tgt Ion: 43 Resp: 393  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.0 37.6#



#18  
Methyl Acetate  
Concen: 2.031 ug/l  
RT: 4.135 min Scan# 396  
Delta R.T. -0.268 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

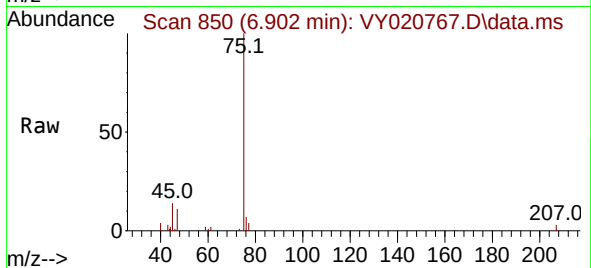
Tgt Ion: 43 Resp: 874  
Ion Ratio Lower Upper  
43 100  
74 0.0 25.3 37.9#



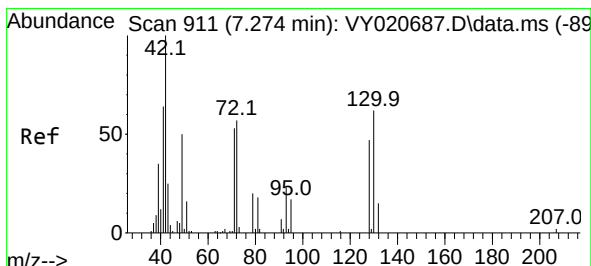
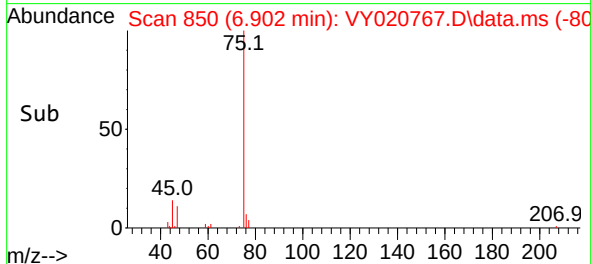
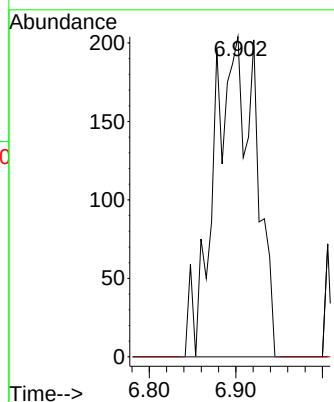


#25  
2-Butanone  
Concen: 3.171 ug/l  
RT: 6.902 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

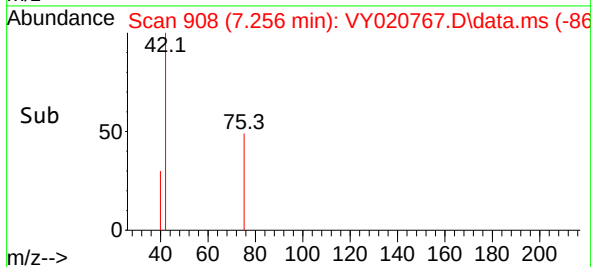
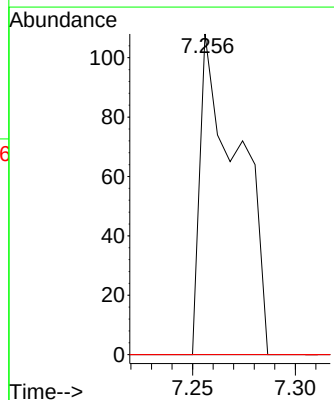
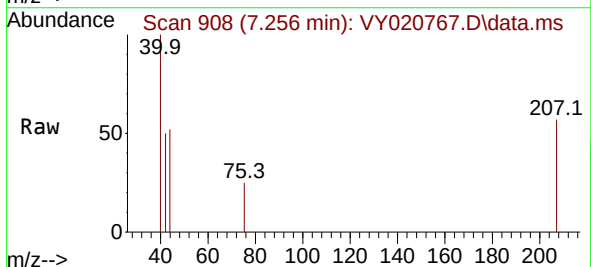


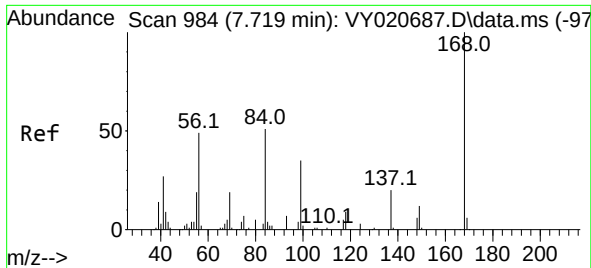
Tgt Ion: 43 Resp: 681  
Ion Ratio Lower Upper  
43 100  
72 0.0 29.5 44.3#



#29  
Tetrahydrofuran  
Concen: 1.062 ug/l  
RT: 7.256 min Scan# 908  
Delta R.T. -0.018 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

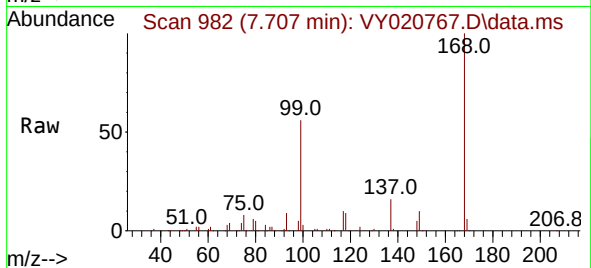
Tgt Ion: 42 Resp: 140  
Ion Ratio Lower Upper  
42 100  
72 0.0 47.4 71.0#  
71 0.0 42.8 64.2#



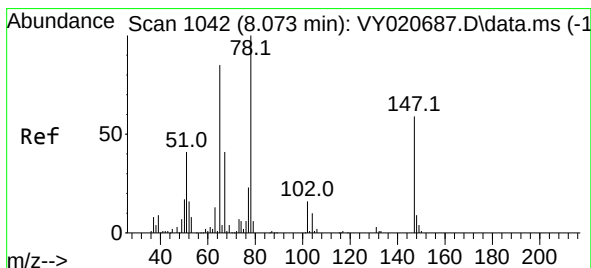
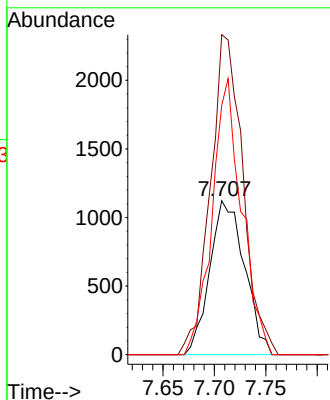
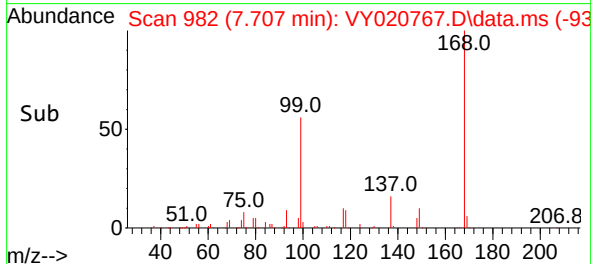


#31  
Cyclohexane  
Concen: 1.643 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

Instrument :  
MSVOA\_Y  
ClientSampleId :

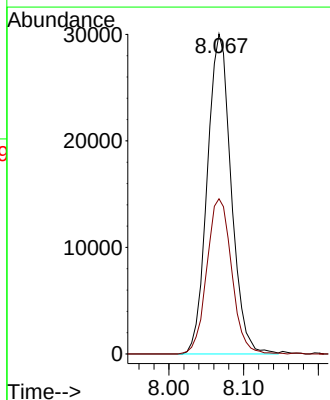
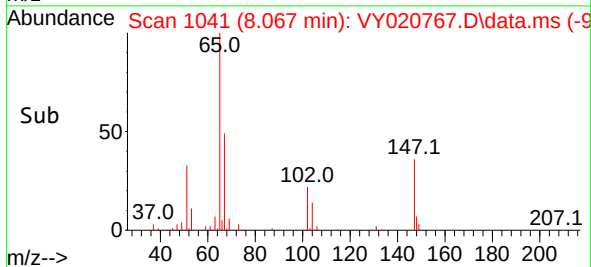
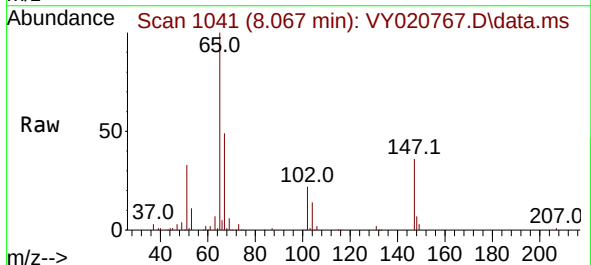


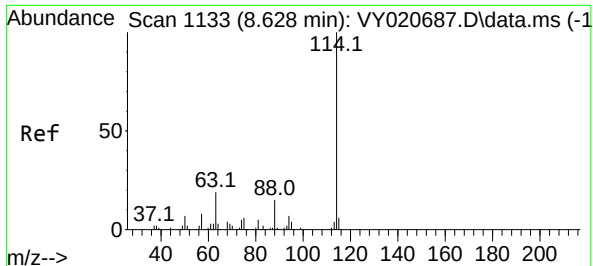
Tgt Ion: 56 Resp: 2645  
Ion Ratio Lower Upper  
56 100  
69 207.9 31.3 46.9#  
84 168.8 83.9 125.9#



#33  
1,2-Dichloroethane-d4  
Concen: 53.158 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

Tgt Ion: 65 Resp: 66625  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VY020767.D

Acq: 03 Jan 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

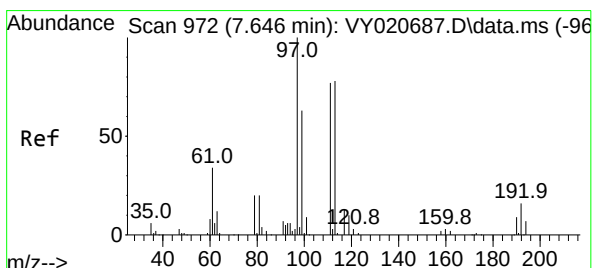
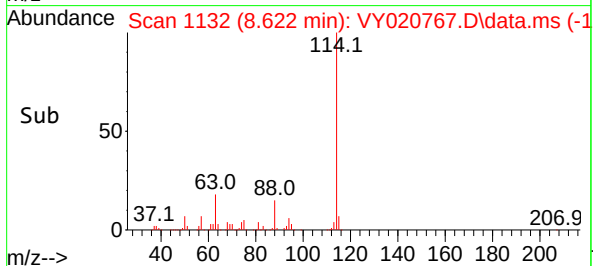
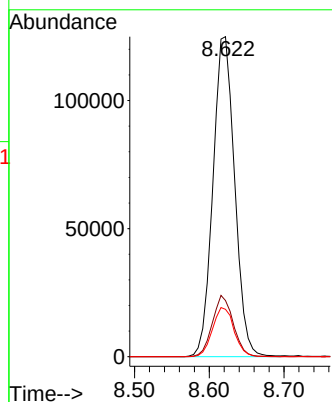
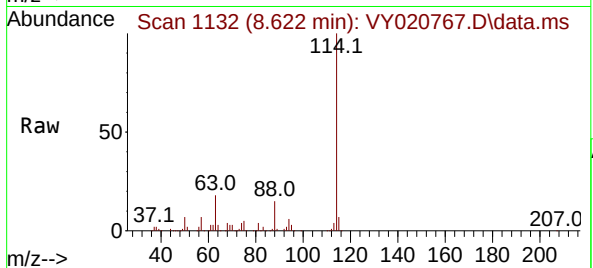
Tgt Ion:114 Resp: 252510

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.8 0.0 30.4



#35

Dibromofluoromethane

Concen: 54.618 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY020767.D

Acq: 03 Jan 2025 10:51

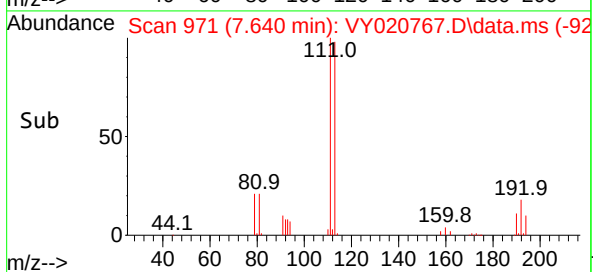
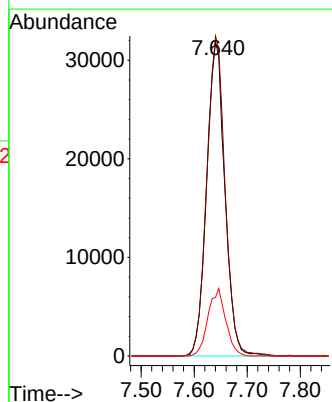
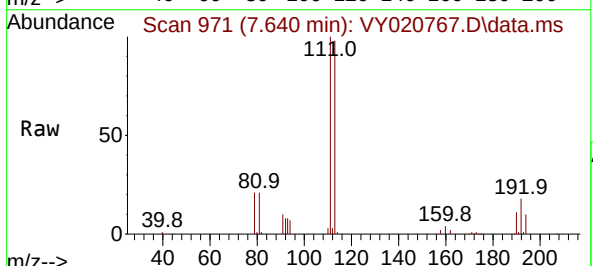
Tgt Ion:113 Resp: 75966

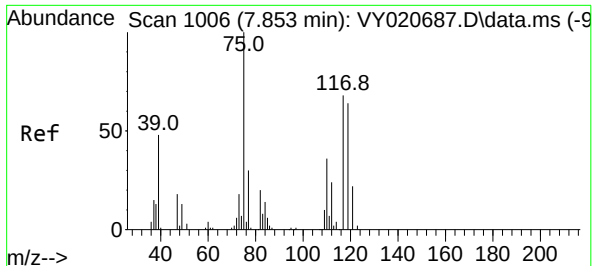
Ion Ratio Lower Upper

113 100

111 102.2 79.8 119.8

192 20.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.775 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.146 min

Lab File: VY020767.D

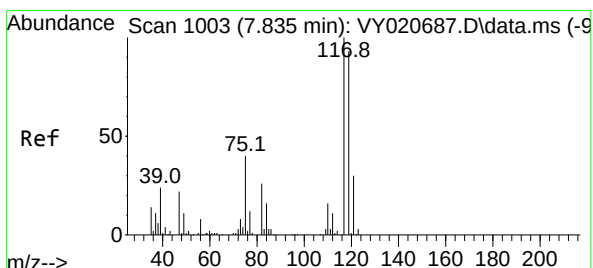
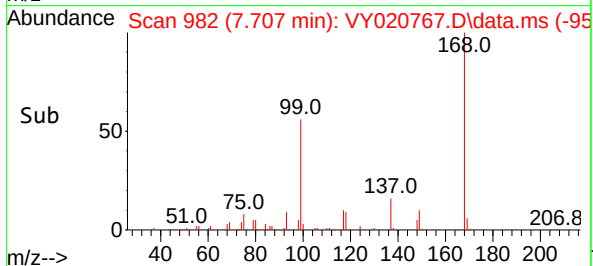
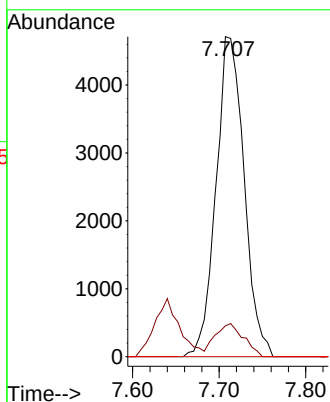
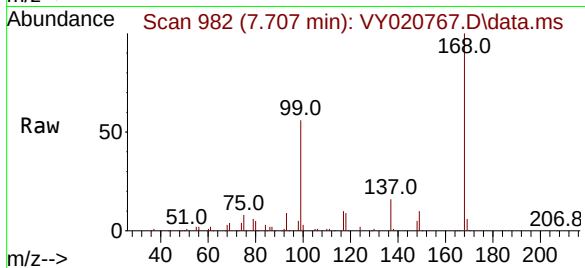
Acq: 03 Jan 2025 10:51

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10610 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 10.5  | 19.6  | 58.7# |
| 77       | 0.0   | 25.1  | 37.7# |



#38

Carbon Tetrachloride

Concen: 5.103 ug/l

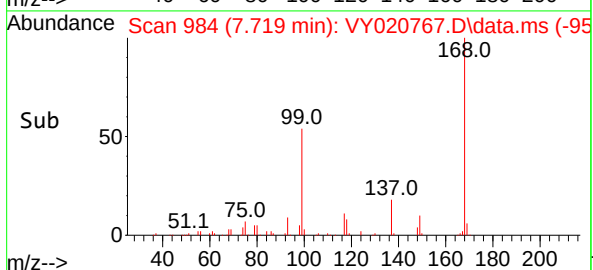
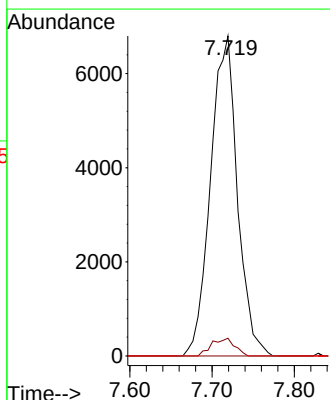
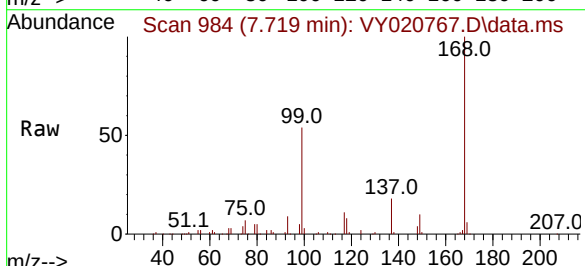
RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

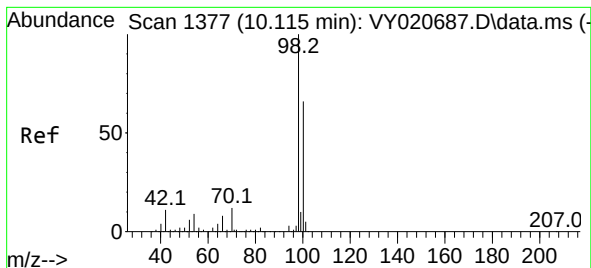
Lab File: VY020767.D

Acq: 03 Jan 2025 10:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 15438  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.5   | 74.4  | 111.6# |
| 121      | 0.0   | 24.2  | 36.2#  |







#50

Toluene-d8

Concen: 52.738 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020767.D

Acq: 03 Jan 2025 10:51

Instrument :

MSVOA\_Y

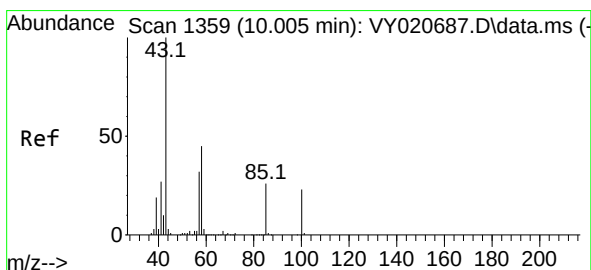
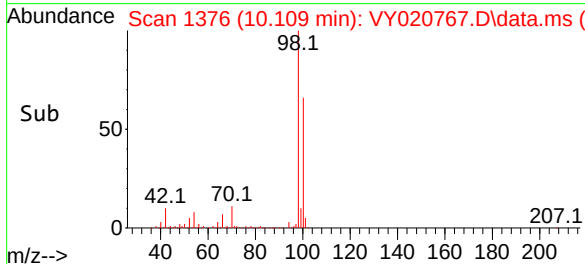
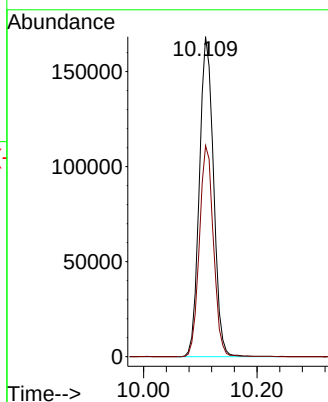
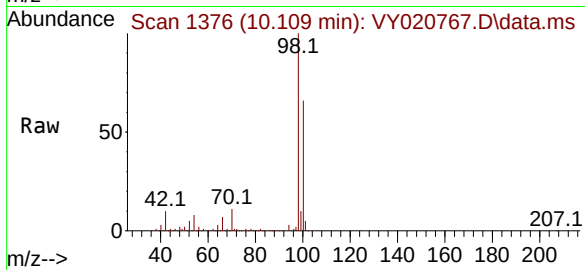
ClientSampleId :

Tgt Ion: 98 Resp: 292230

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.710 ug/l

RT: 10.012 min Scan# 1360

Delta R.T. 0.007 min

Lab File: VY020767.D

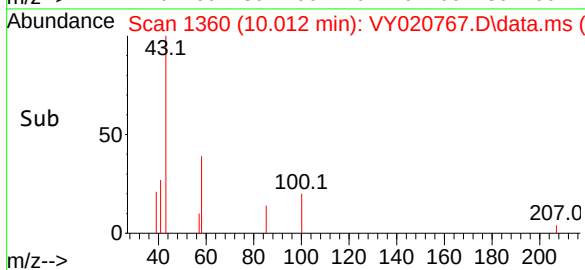
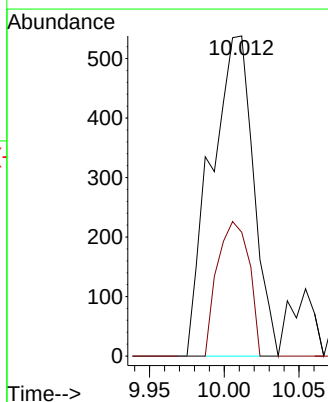
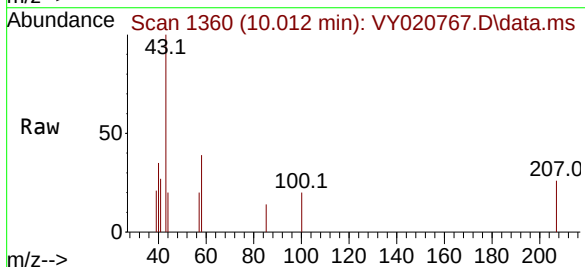
Acq: 03 Jan 2025 10:51

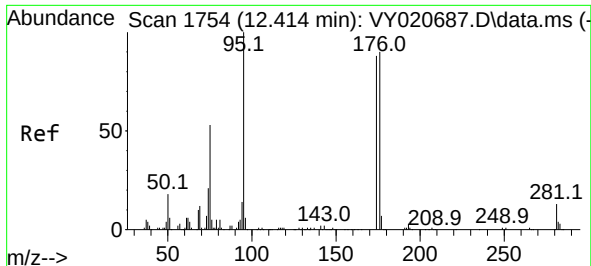
Tgt Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

58 31.4 35.1 52.7#

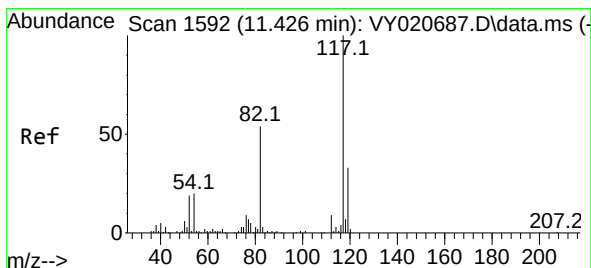
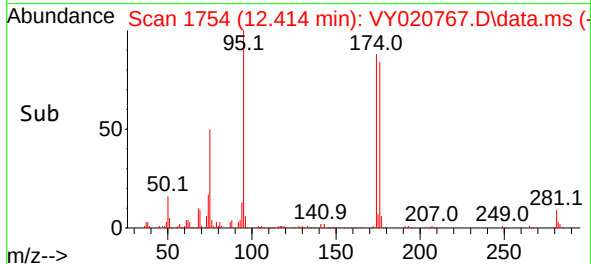
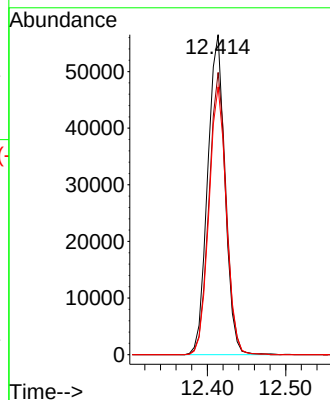
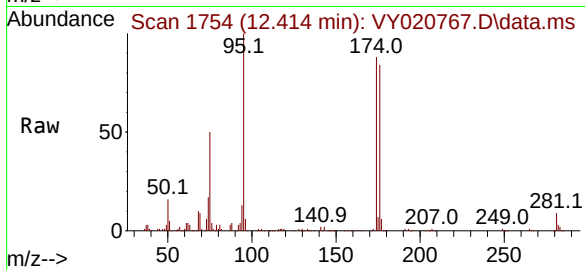




#62  
4-Bromofluorobenzene  
Concen: 46.775 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

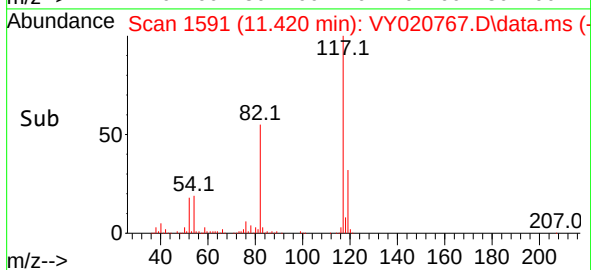
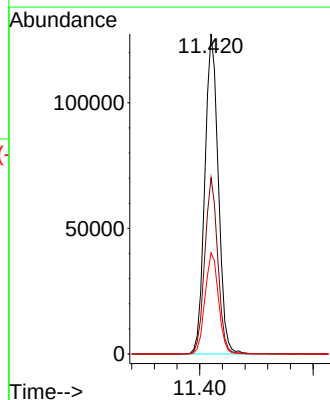
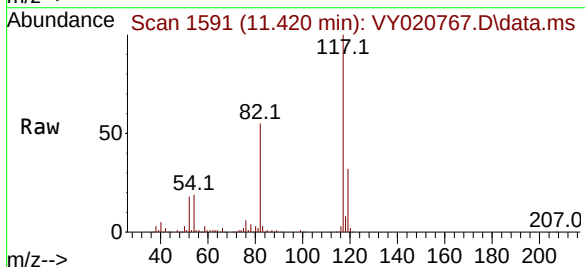
Instrument :  
MSVOA\_Y  
ClientSampleId :

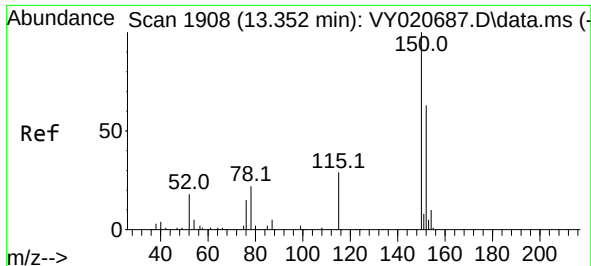
Tgt Ion: 95 Resp: 86459  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 179.2  
176 84.1 0.0 179.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.006 min  
Lab File: VY020767.D  
Acq: 03 Jan 2025 10:51

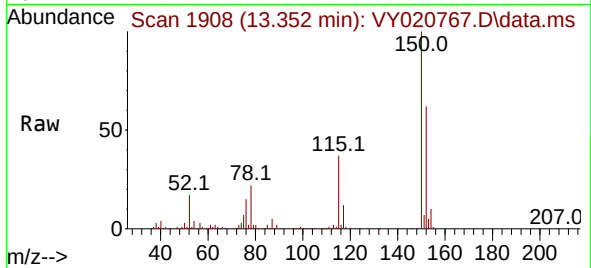
Tgt Ion: 117 Resp: 209480  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.4 65.2  
119 31.6 26.6 39.8



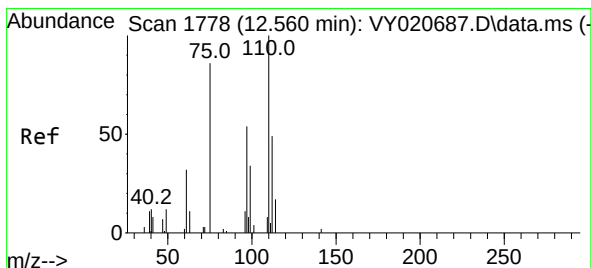
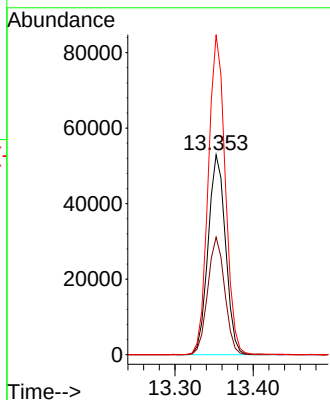
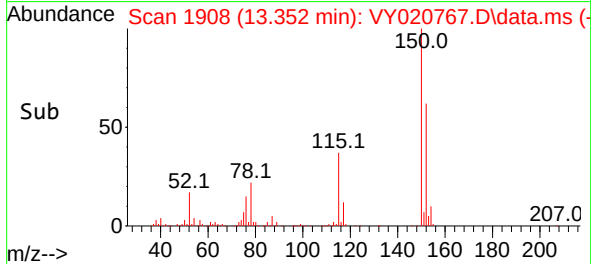


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1908  
 Delta R.T. 0.000 min  
 Lab File: VY020767.D  
 Acq: 03 Jan 2025 10:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

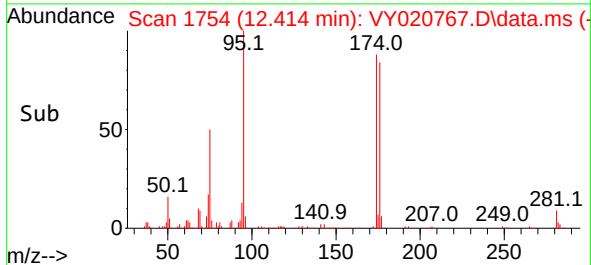
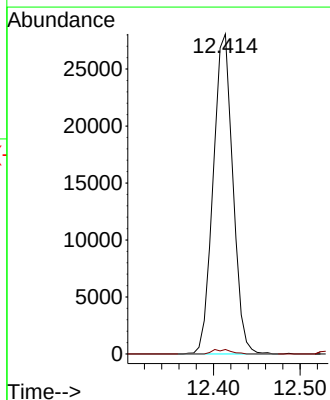
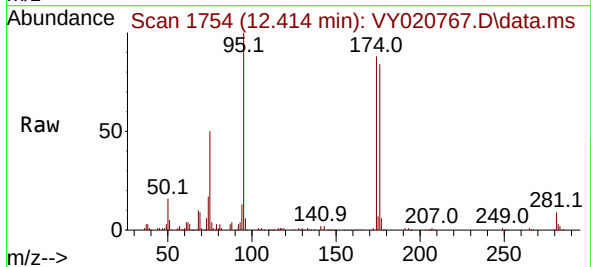


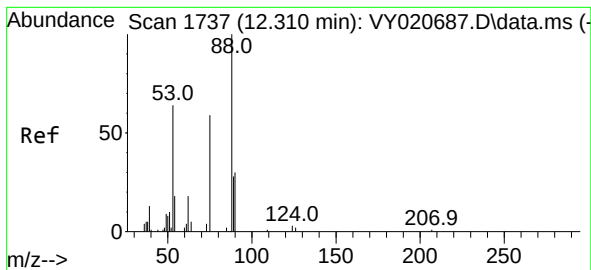
Tgt Ion:152 Resp: 81586  
 Ion Ratio Lower Upper  
 152 100  
 115 57.3 30.3 90.9  
 150 156.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 85.269 ug/l  
 RT: 12.414 min Scan# 1754  
 Delta R.T. -0.146 min  
 Lab File: VY020767.D  
 Acq: 03 Jan 2025 10:51

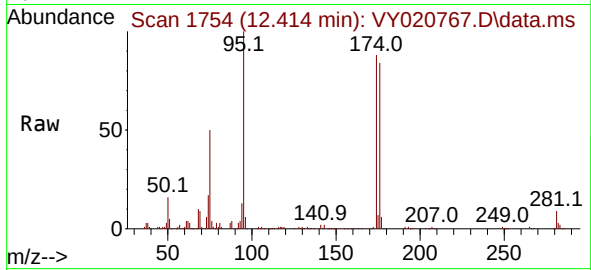
Tgt Ion: 75 Resp: 44246  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 168.544 ug/l  
 RT: 12.414 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY020767.D  
 Acq: 03 Jan 2025 10:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 44246  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.1 124.7#  
 89 0.0 40.6 61.0#

