

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030725\  
 Data File : VY021459.D  
 Acq On : 07 Mar 2025 14:28  
 Operator : SY/MD  
 Sample : Q1488-07  
 Misc : 7.40g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ENV-102-SB02

Quant Time: Mar 07 22:01:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

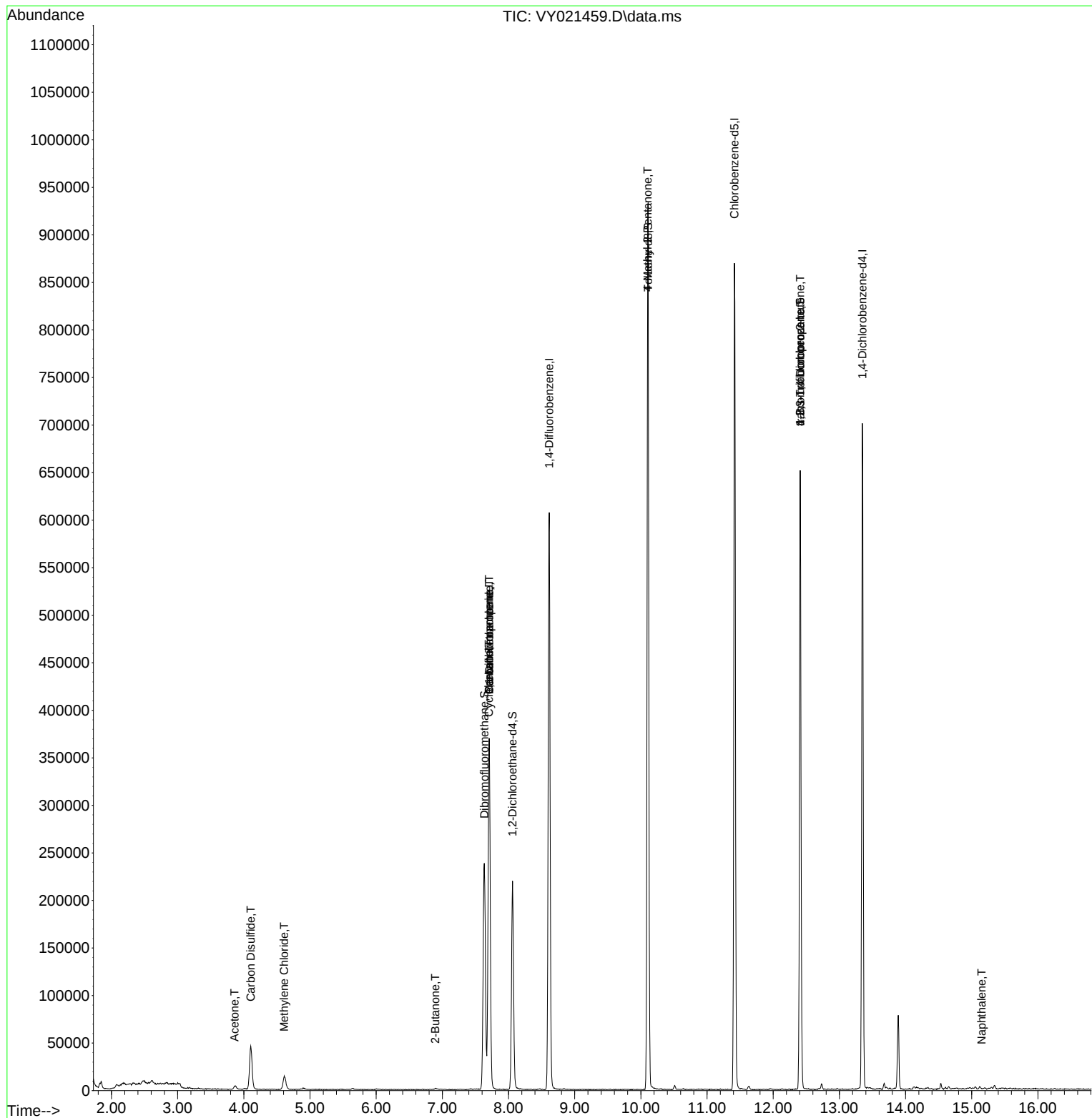
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 280904   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 508130   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 440256   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 168898   | 50.000    | ug/l   | 0.00     |
|                               |           |       |          |           |        |          |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 168912   | 56.892    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 113.780% |
| 35) Dibromofluoromethane      | 7.634     | 113   | 168708   | 50.511    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 101.020% |
| 50) Toluene-d8                | 10.109    | 98    | 605434   | 47.874    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | =      | 95.740%  |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 180735   | 42.014    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | =      | 84.020%  |
|                               |           |       |          |           |        |          |
| Target Compounds              |           |       |          |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.860     | 59    | 254      | Below Cal | #      | 72       |
| 16) Acetone                   | 3.860     | 43    | 3117     | 4.813     | ug/l   | 90       |
| 17) Carbon Disulfide          | 4.104     | 76    | 89720    | 9.921     | ug/l   | 100      |
| 20) Methylene Chloride        | 4.610     | 84    | 9707     | 2.856     | ug/l   | 95       |
| 25) 2-Butanone                | 6.890     | 43    | 1489     | 1.662     | ug/l # | 78       |
| 31) Cyclohexane               | 7.701     | 56    | 6147     | 1.105     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 23482    | 4.491     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 29005    | 4.824     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.103    | 43    | 3048     | 1.317     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 98496    | 57.872    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 98496    | 131.561   | ug/l # | 9        |
| 95) Naphthalene               | 15.151    | 128   | 416      | 1.539     | ug/l # | 69       |
| -----                         |           |       |          |           |        |          |

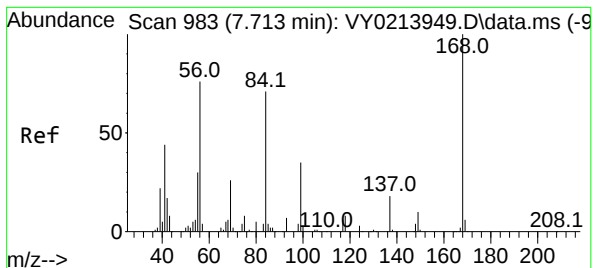
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030725\  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA\_Y

ClientSampleId :

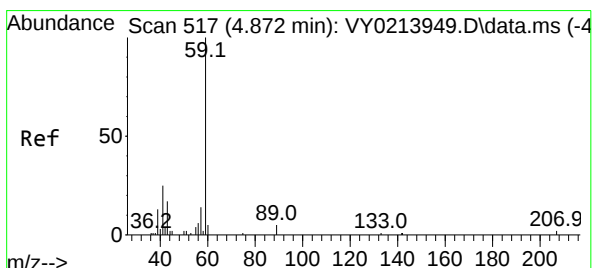
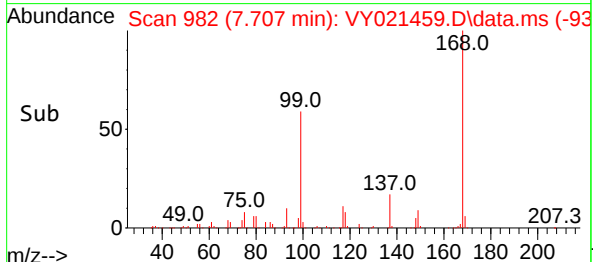
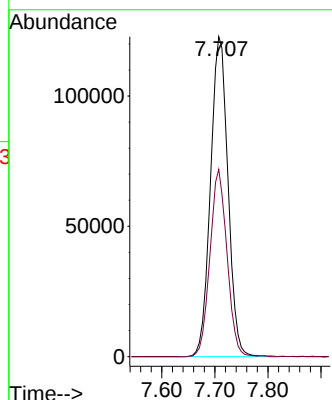
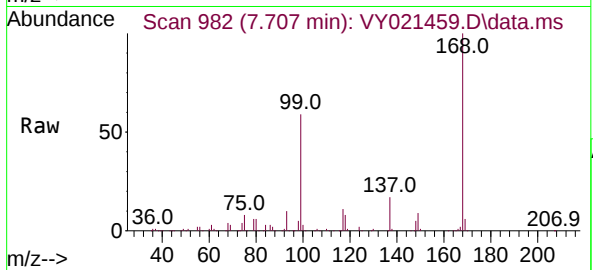
ENV-102-SB02

Tgt Ion:168 Resp: 280904

Ion Ratio Lower Upper

168 100

99 58.5 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 515

Delta R.T. -0.012 min

Lab File: VY021459.D

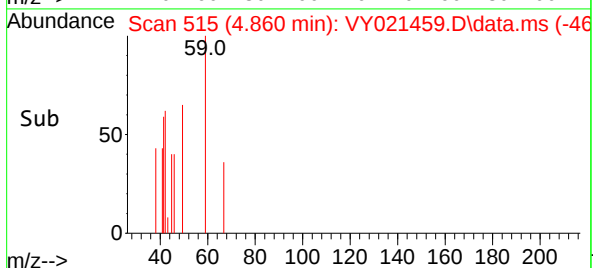
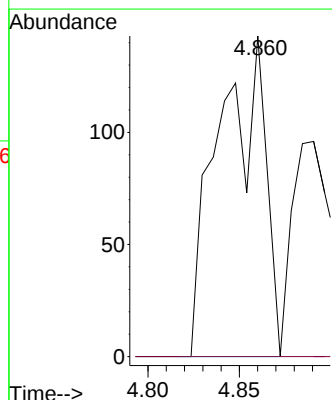
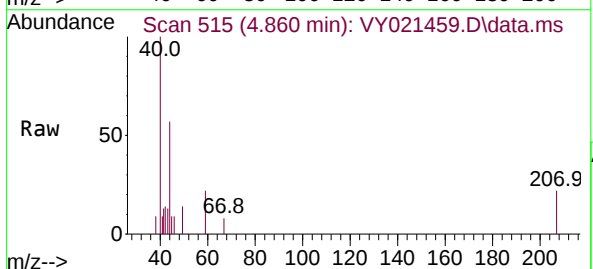
Acq: 07 Mar 2025 14:28

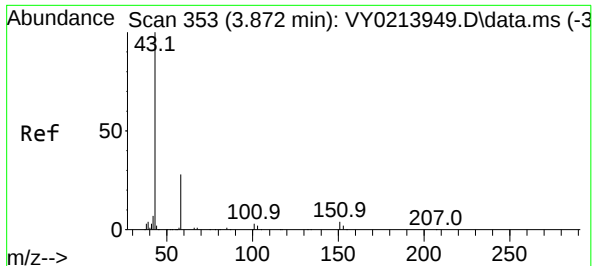
Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

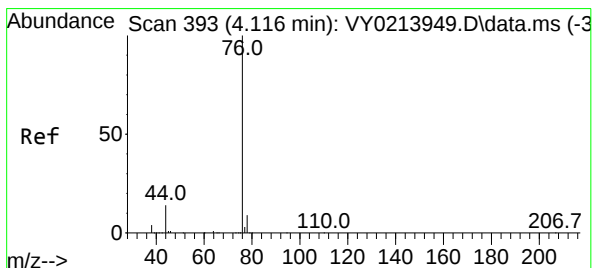
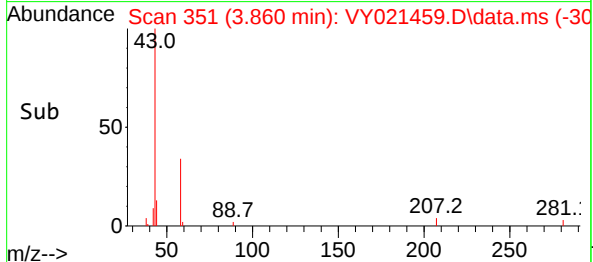
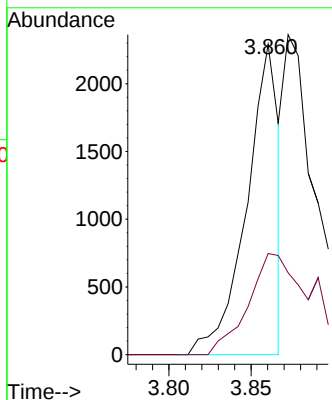
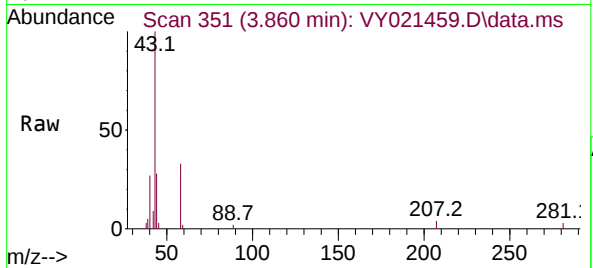




#16  
Acetone  
Concen: 4.813 ug/l  
RT: 3.860 min Scan# 311  
Delta R.T. -0.012 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

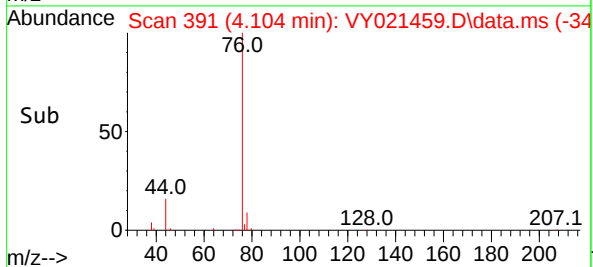
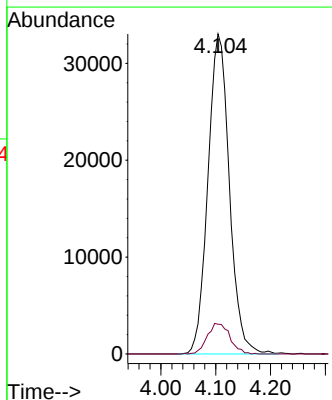
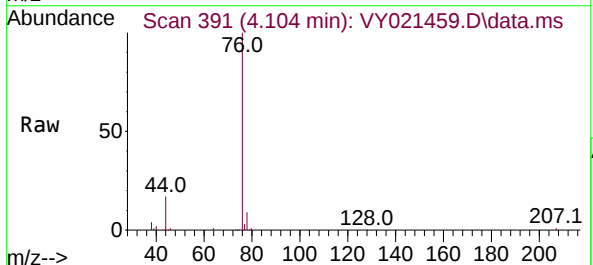
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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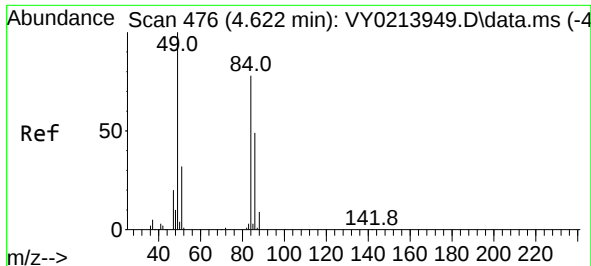
Tgt Ion: 43 Resp: 3117  
Ion Ratio Lower Upper  
43 100  
58 32.6 22.1 33.1



#17  
Carbon Disulfide  
Concen: 9.921 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.012 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion: 76 Resp: 89720  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0





#20

Methylene Chloride

Concen: 2.856 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA\_Y

ClientSampleId :

ENV-102-SB02

Tgt Ion: 84 Resp: 9707

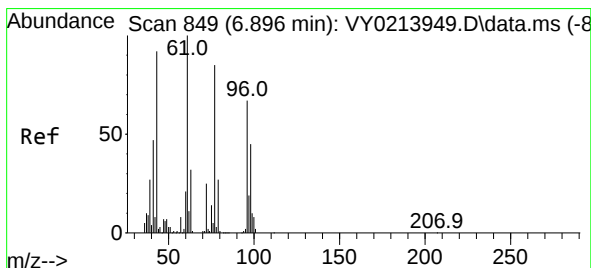
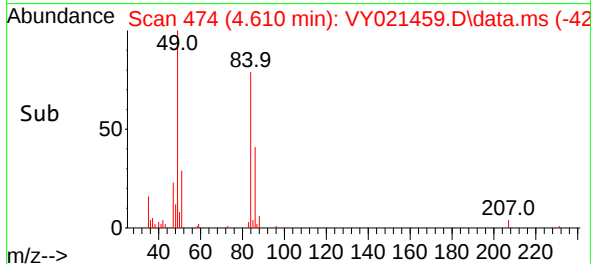
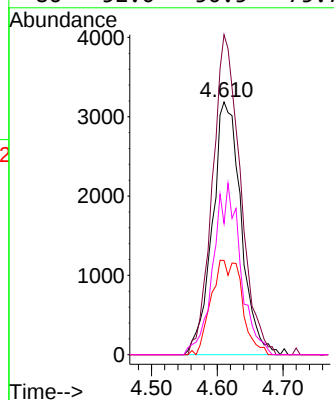
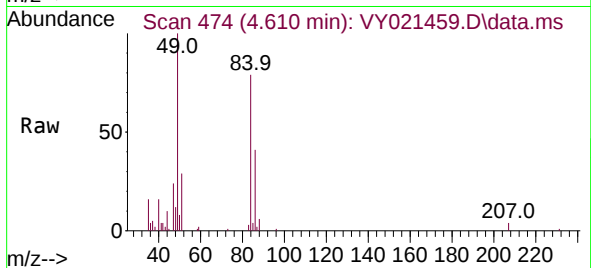
Ion Ratio Lower Upper

84 100

49 126.6 102.0 153.0

51 37.3 33.0 49.6

86 52.0 50.5 75.7



#25

2-Butanone

Concen: 1.662 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021459.D

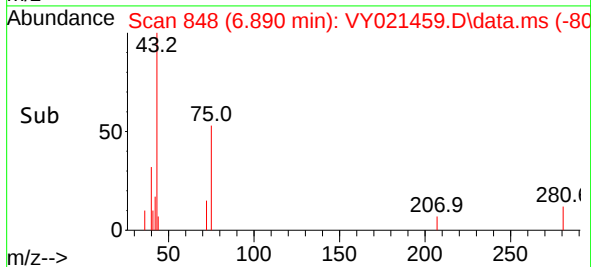
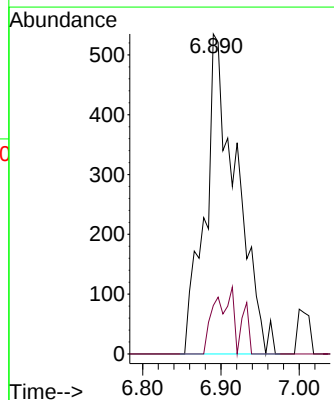
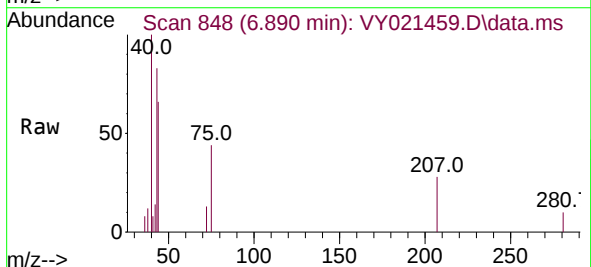
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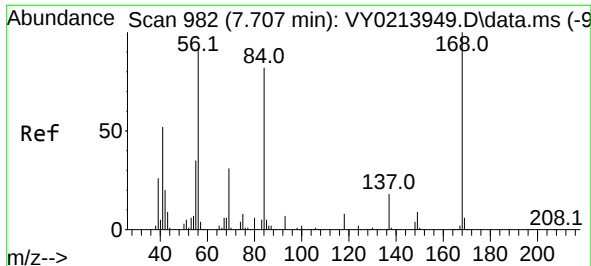
Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

72 15.1 21.4 32.0#

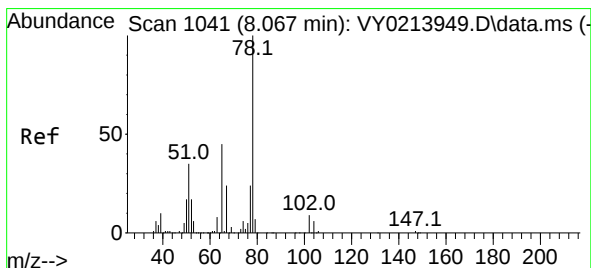
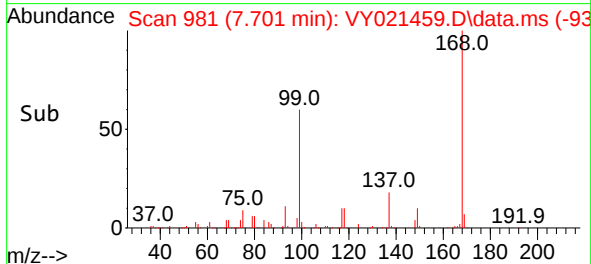
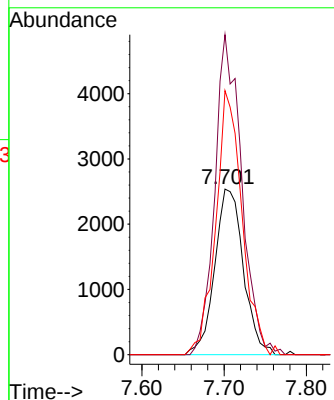
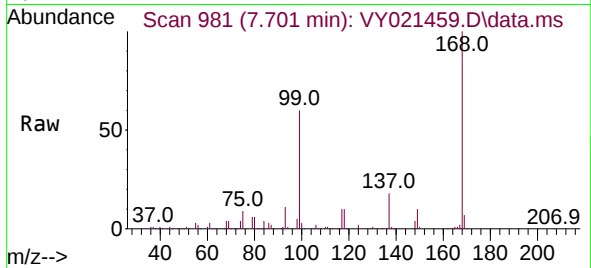




#31  
Cyclohexane  
Concen: 1.105 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

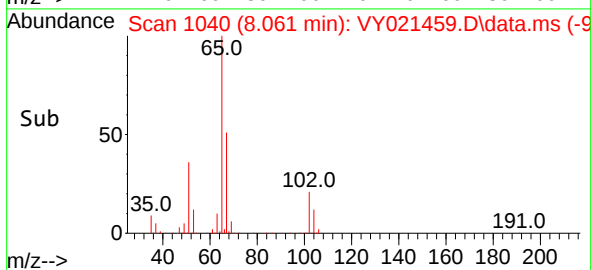
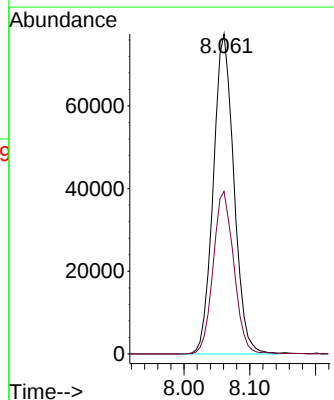
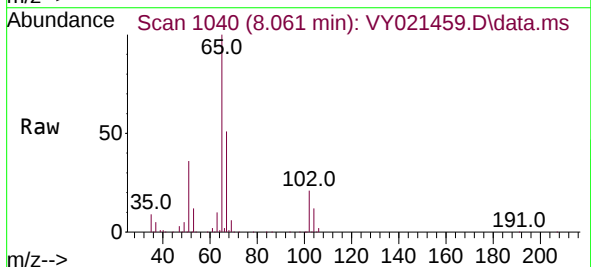
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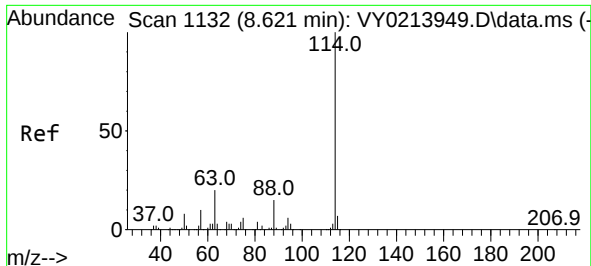
Tgt Ion: 56 Resp: 6147  
Ion Ratio Lower Upper  
56 100  
69 193.3 27.0 40.4#  
84 159.4 71.1 106.7#



#33  
1,2-Dichloroethane-d4  
Concen: 56.892 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion: 65 Resp: 168912  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 102.8

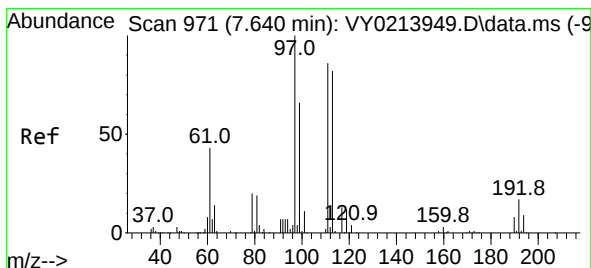
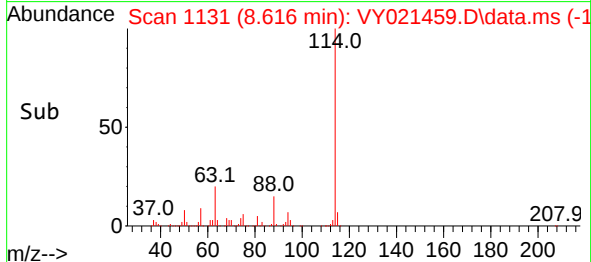
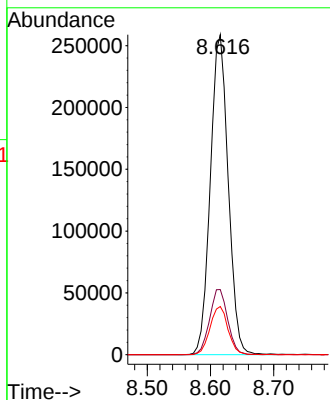
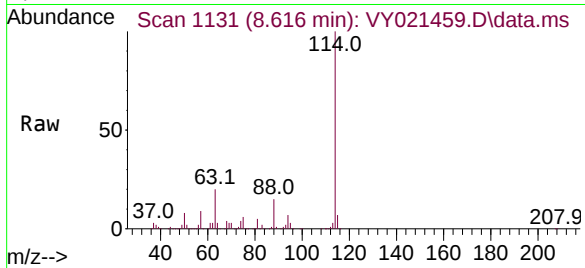




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

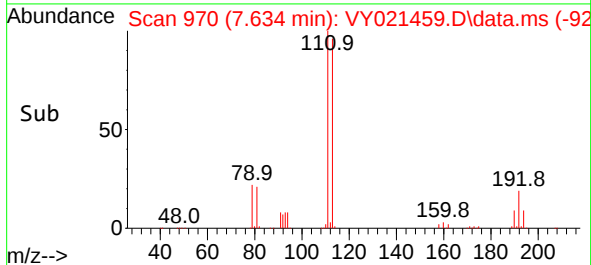
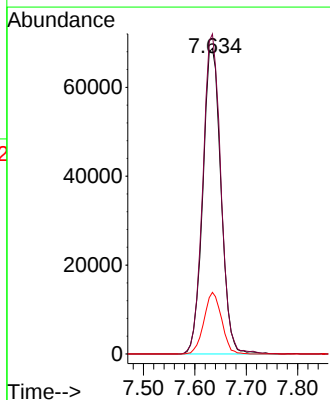
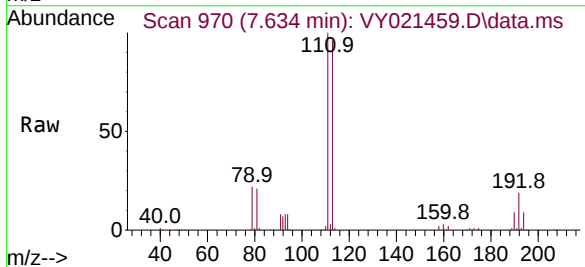
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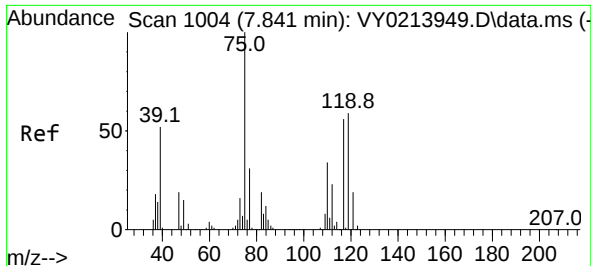
Tgt Ion:114 Resp: 508130  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 15.1 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 50.511 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion:113 Resp: 168708  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.0 123.0  
192 19.6 15.9 23.9

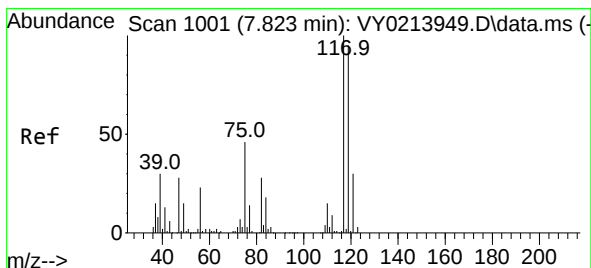
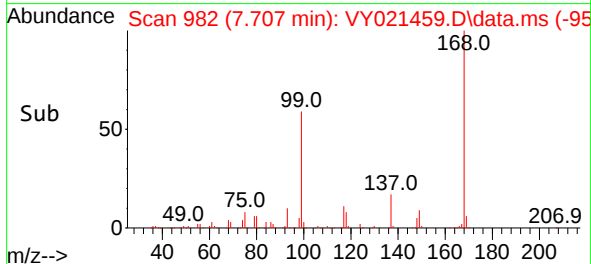
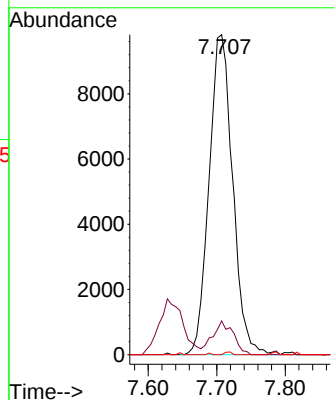
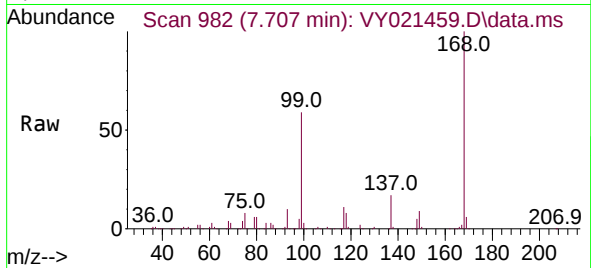




#36  
1,1-Dichloropropene  
Concen: 4.491 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

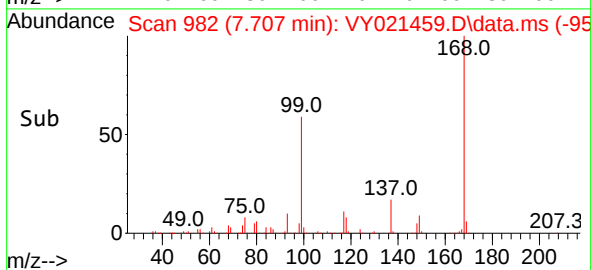
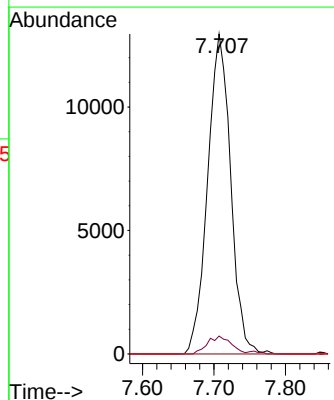
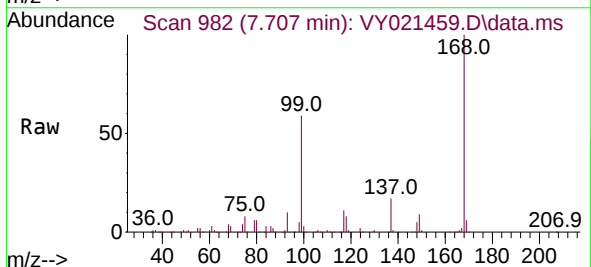
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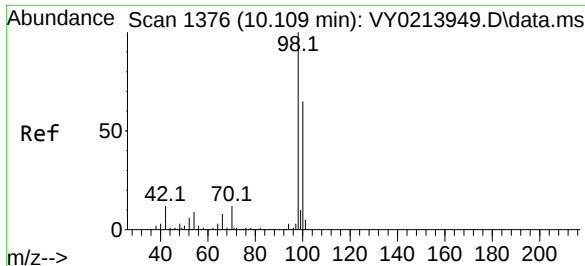
Tgt Ion: 75 Resp: 23482  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.3 51.7#  
77 0.3 25.4 38.2#



#38  
Carbon Tetrachloride  
Concen: 4.824 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion: 117 Resp: 29005  
Ion Ratio Lower Upper  
117 100  
119 5.6 75.8 113.8#  
121 0.0 23.9 35.9#

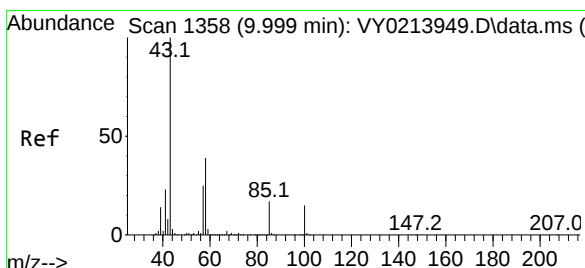
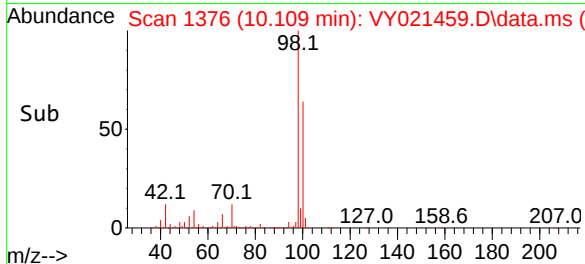
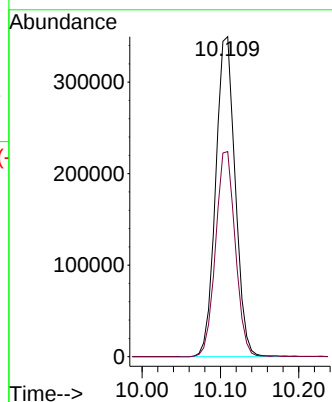
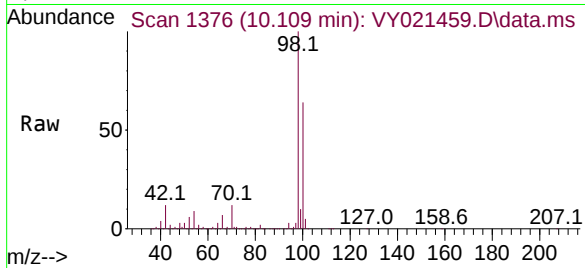




#50  
Toluene-d8  
Concen: 47.874 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

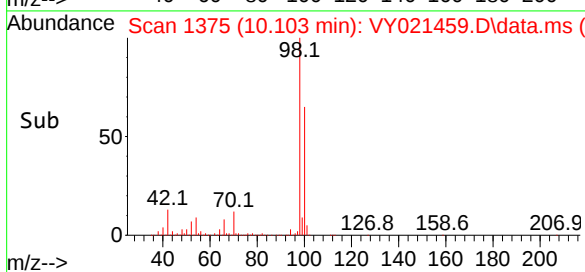
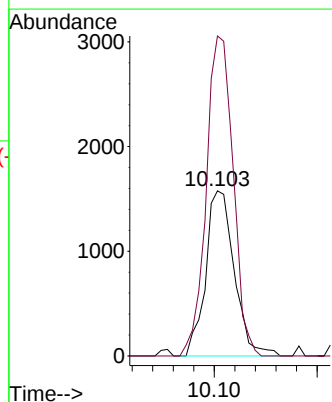
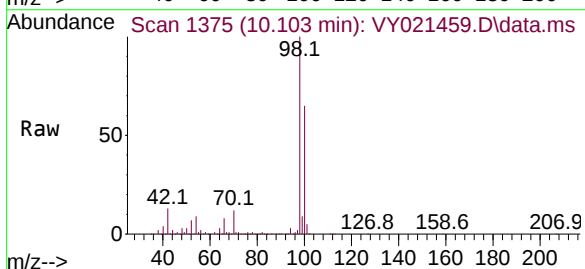
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-102-SB02

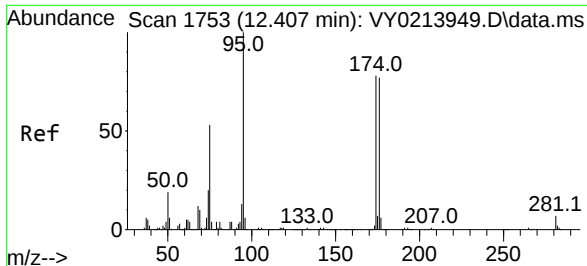
Tgt Ion: 98 Resp: 605434  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 1.317 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.104 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion: 43 Resp: 3048  
Ion Ratio Lower Upper  
43 100  
58 182.1 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 42.014 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA\_Y

ClientSampleId :

ENV-102-SB02

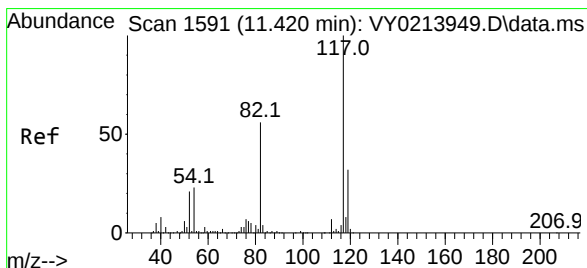
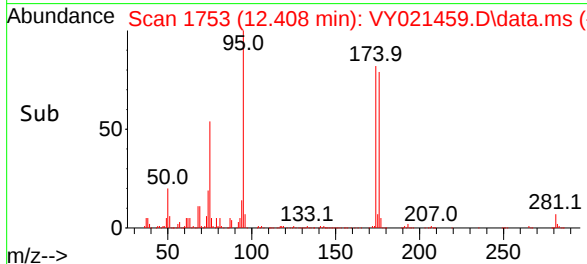
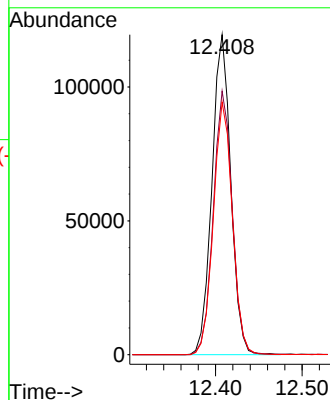
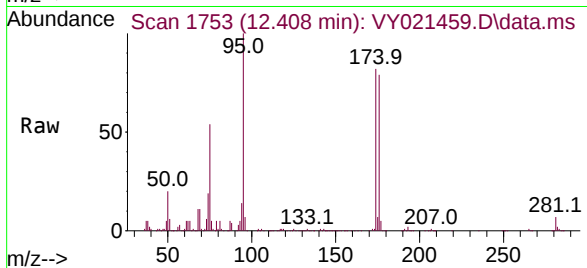
Tgt Ion: 95 Resp: 180735

Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.0

176 79.6 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

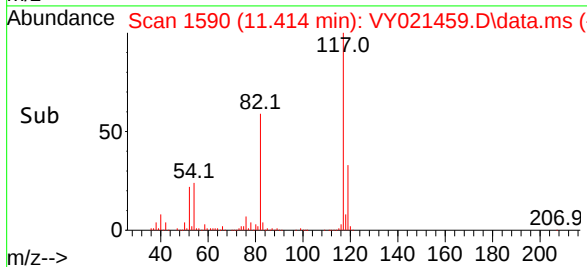
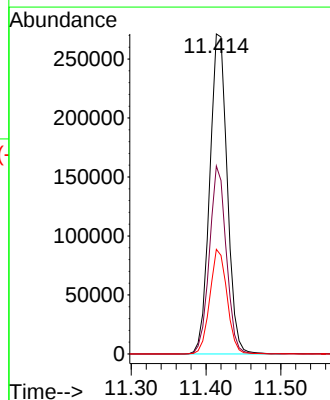
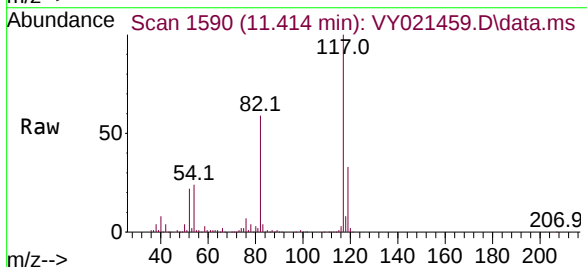
Tgt Ion: 117 Resp: 440256

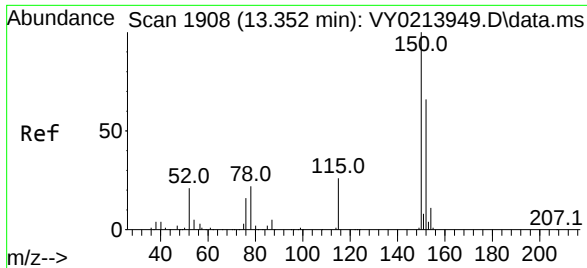
Ion Ratio Lower Upper

117 100

82 58.8 44.6 67.0

119 32.7 25.4 38.0

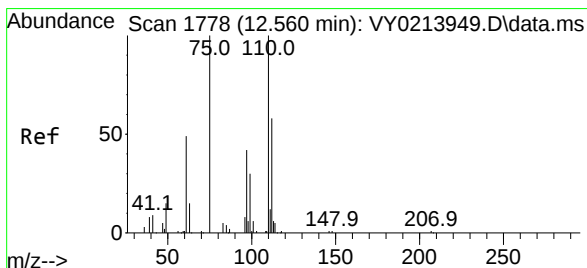
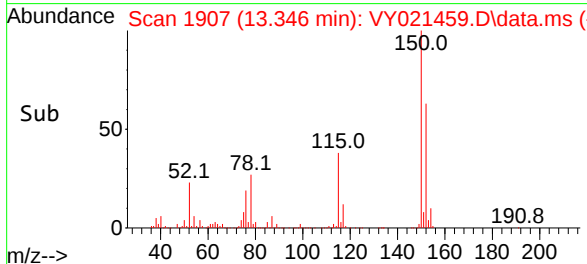
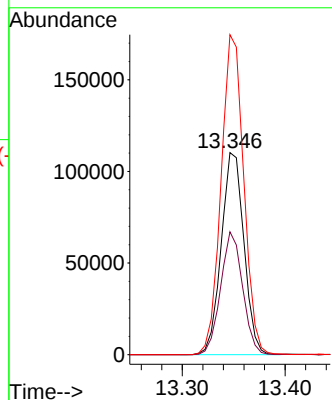
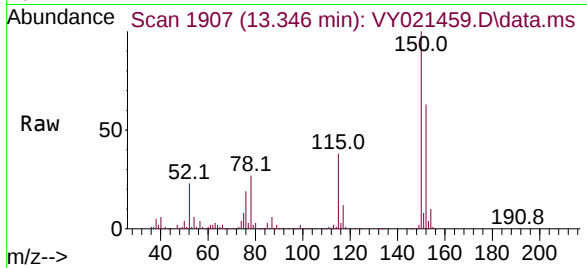




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1908  
 Delta R.T. -0.006 min  
 Lab File: VY021459.D  
 Acq: 07 Mar 2025 14:28

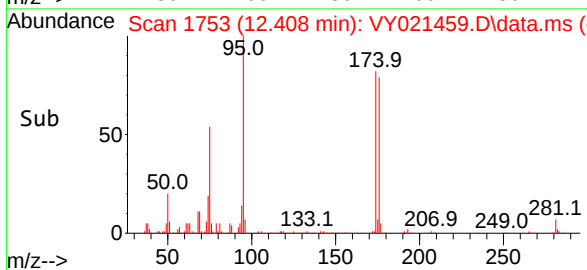
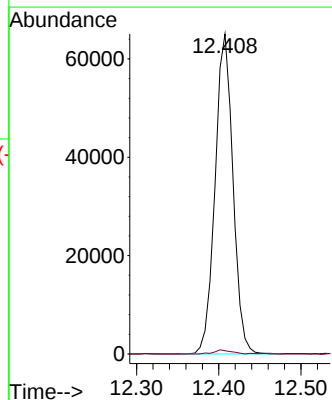
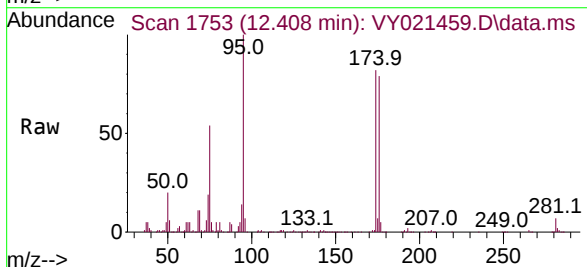
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ENV-102-SB02

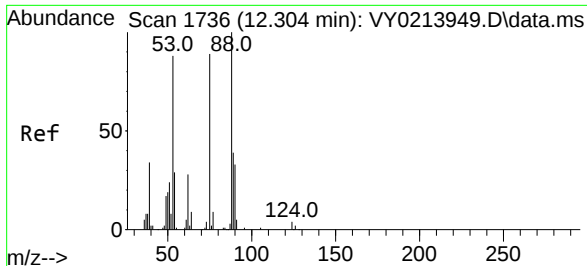
Tgt Ion:152 Resp: 168898  
 Ion Ratio Lower Upper  
 152 100  
 115 58.9 29.0 87.0  
 150 157.9 0.0 347.2



#76  
 1,2,3-Trichloropropane  
 Concen: 57.872 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.152 min  
 Lab File: VY021459.D  
 Acq: 07 Mar 2025 14:28

Tgt Ion: 75 Resp: 98496  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#

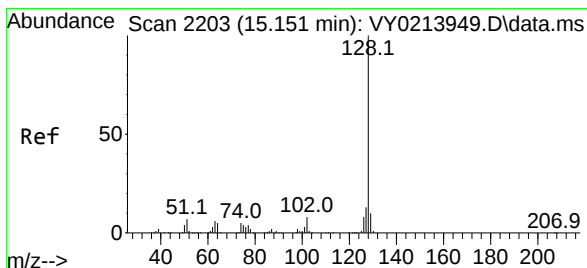
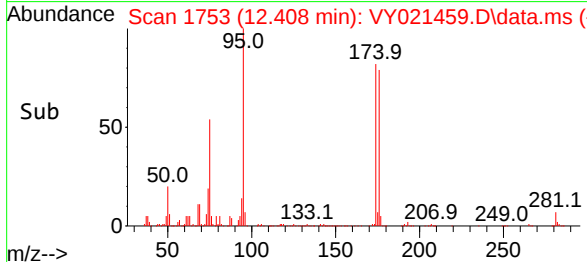
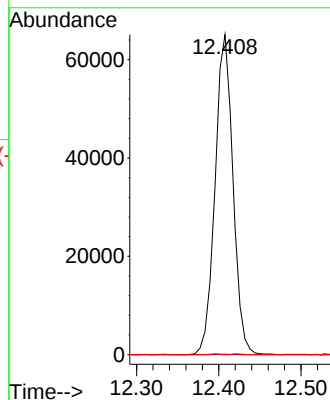
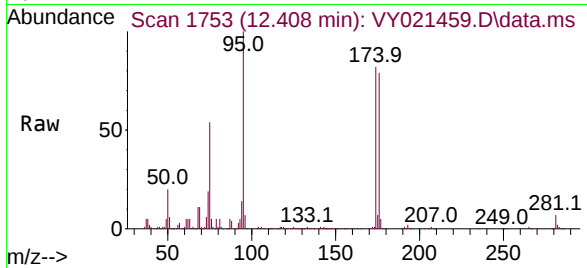




#81  
trans-1,4-Dichloro-2-butene  
Concen: 131.561 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-102-SB02

Tgt Ion: 75 Resp: 98496  
Ion Ratio Lower Upper  
75 100  
53 0.2 81.0 121.4#  
89 0.1 36.9 55.3#



#95  
Naphthalene  
Concen: 1.539 ug/l  
RT: 15.151 min Scan# 2203  
Delta R.T. -0.000 min  
Lab File: VY021459.D  
Acq: 07 Mar 2025 14:28

Tgt Ion: 128 Resp: 416  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 15.8#  
129 0.0 8.6 13.0#

