

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111225\  
 Data File : VY023771.D  
 Acq On : 12 Nov 2025 18:05  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Nov 14 03:42:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 2025  
 Response via : Initial Calibration

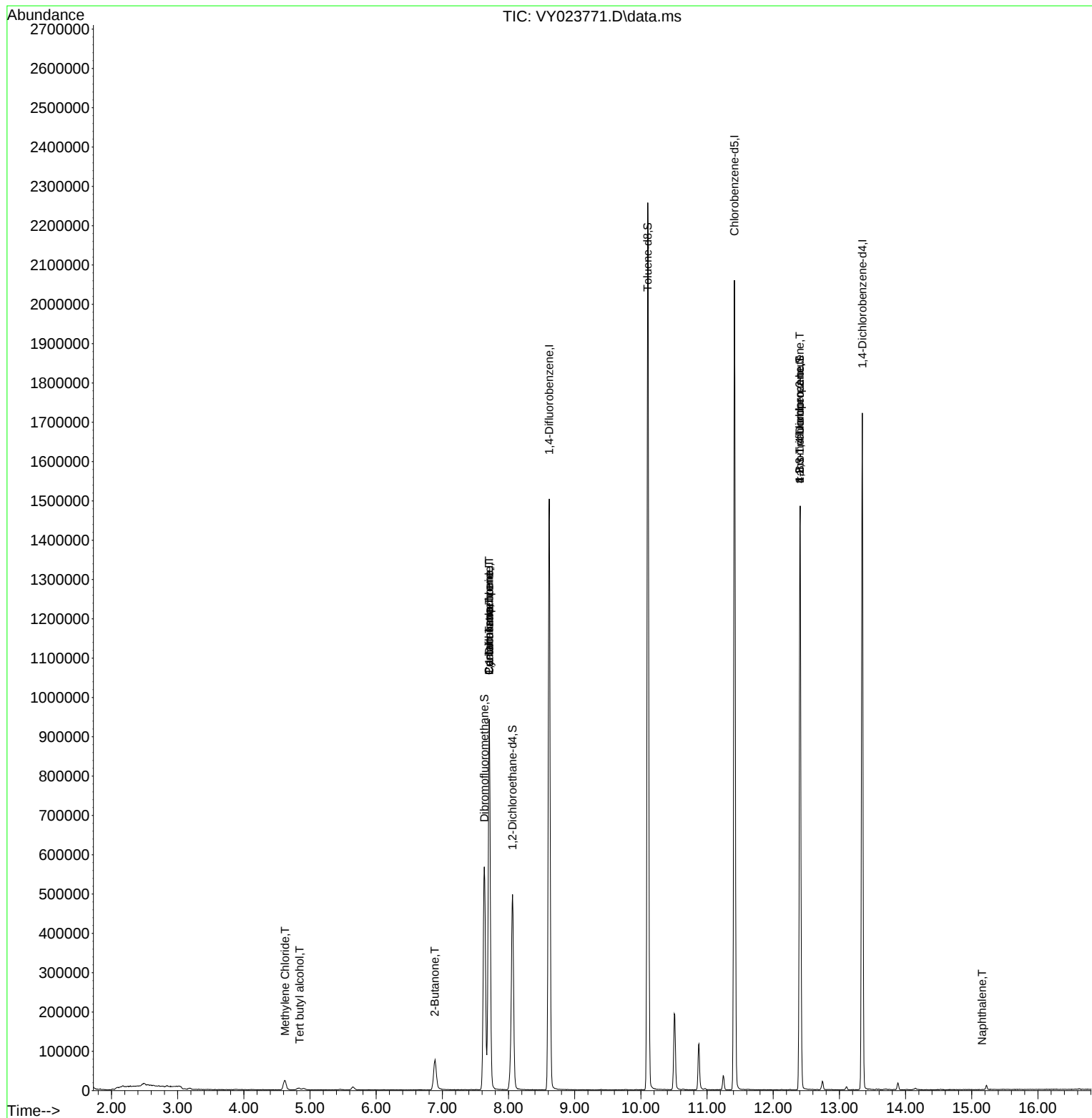
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 763016   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 1334682  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 1130903  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 453681   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 366367   | 56.290   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 112.580% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 419625   | 50.310   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 100.620% |          |
| 50) Toluene-d8                | 10.103 | 98    | 1507805  | 48.529   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 97.060%  |          |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 437009   | 43.493   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 86.980%  |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.842  | 59    | 5197     | 12.383   | ug/l #     | 74       |
| 20) Methylene Chloride        | 4.623  | 84    | 19245    | 2.464    | ug/l       | 89       |
| 25) 2-Butanone                | 6.884  | 43    | 4035     | 2.157    | ug/l #     | 65       |
| 31) Cyclohexane               | 7.707  | 56    | 13367    | 1.246    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 53137    | 4.768    | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 71858    | 5.472    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 215986   | 58.825   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 215986   | 132.940  | ug/l #     | 14       |
| 95) Naphthalene               | 15.157 | 128   | 115      | 5.270    | ug/l #     | 69       |
| -----                         |        |       |          |          |            |          |

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

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MSVOA\_Y  
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Quant Time: Nov 14 03:42:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 05 04:41:50 2025  
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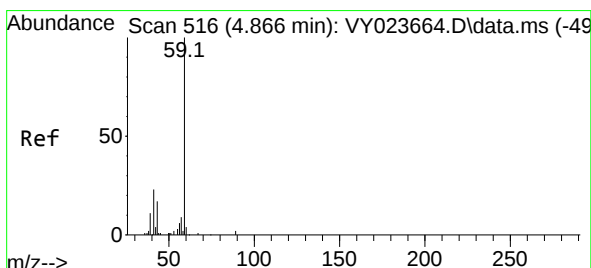
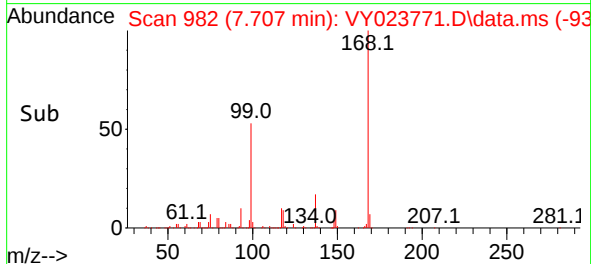
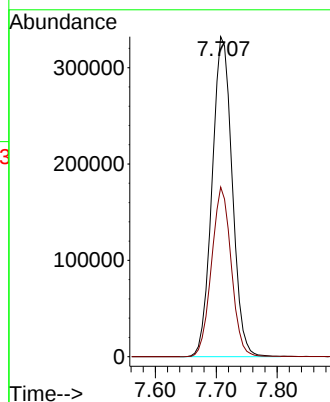
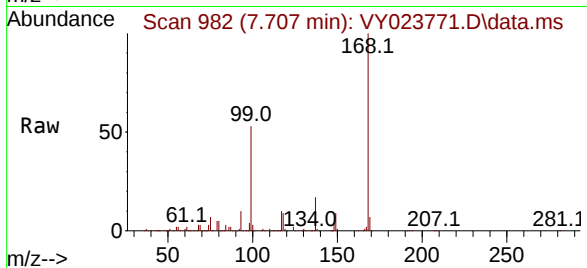




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

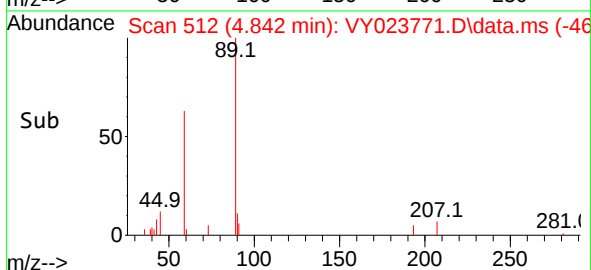
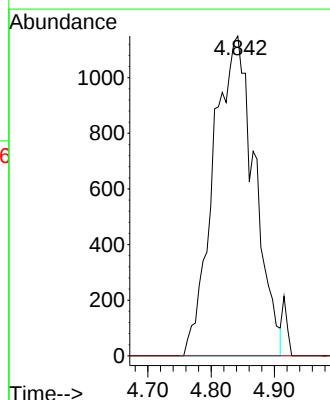
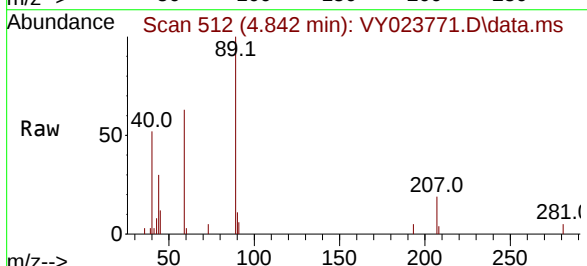
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

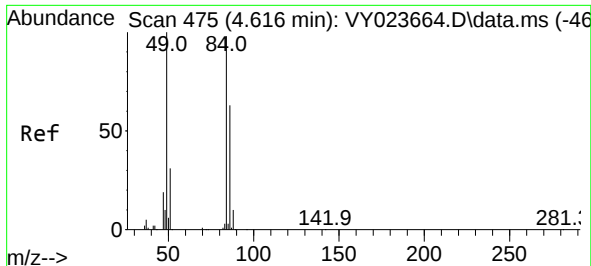
Tgt Ion:168 Resp: 763016  
Ion Ratio Lower Upper  
168 100  
99 53.0 41.0 61.4



#11  
Tert butyl alcohol  
Concen: 12.383 ug/l  
RT: 4.842 min Scan# 512  
Delta R.T. -0.024 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

Tgt Ion: 59 Resp: 5197  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

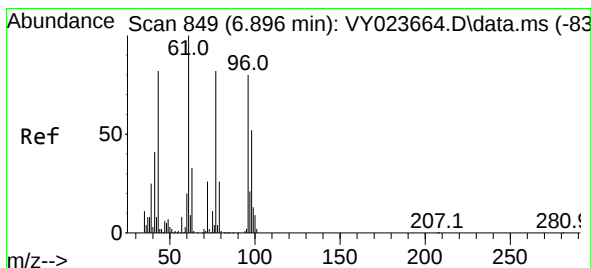
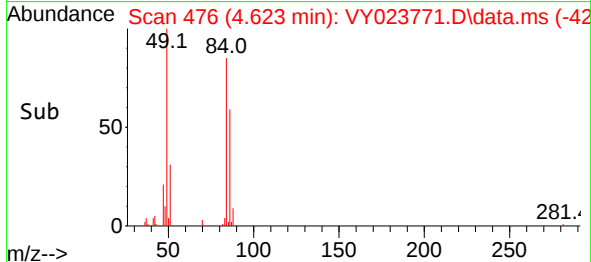
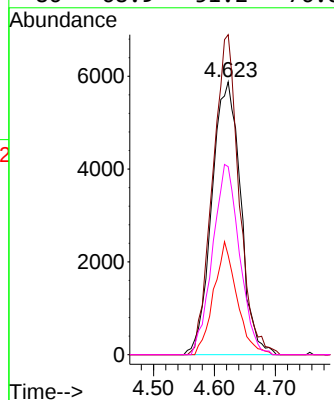
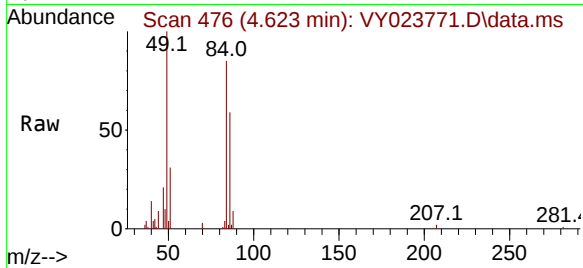




#20  
Methylene Chloride  
Concen: 2.464 ug/l  
RT: 4.623 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

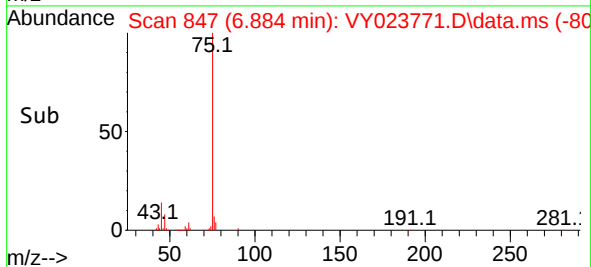
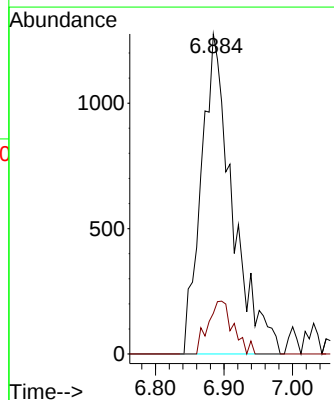
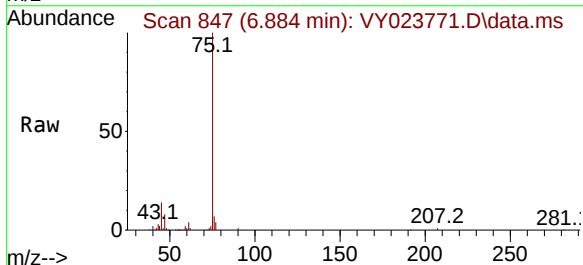
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

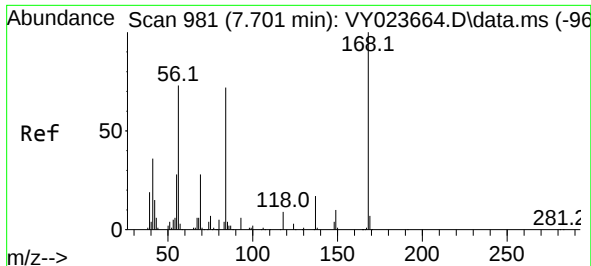
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 19245 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.3 | 81.5  | 122.3 |
| 51       | 36.3  | 25.5  | 38.3  |
| 86       | 68.9  | 51.2  | 76.8  |



#25  
2-Butanone  
Concen: 2.157 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4035  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 12.7  | 25.7  | 38.5# |

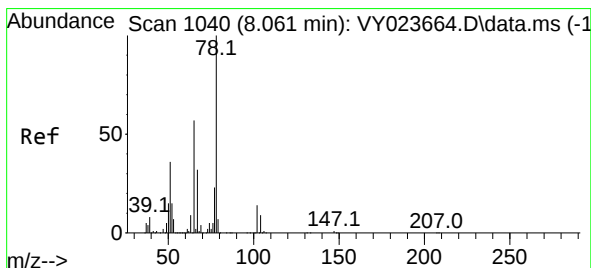
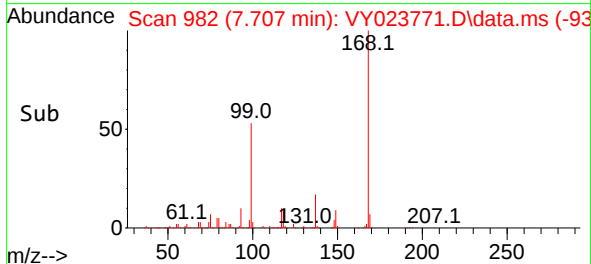
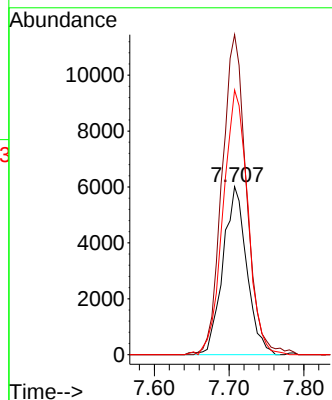
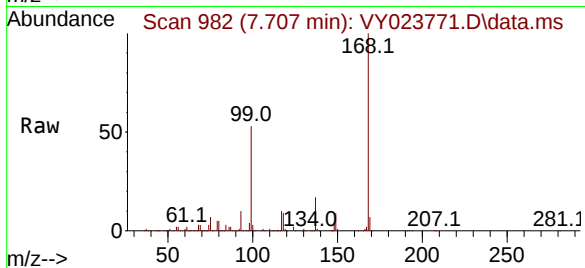




#31  
Cyclohexane  
Concen: 1.246 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

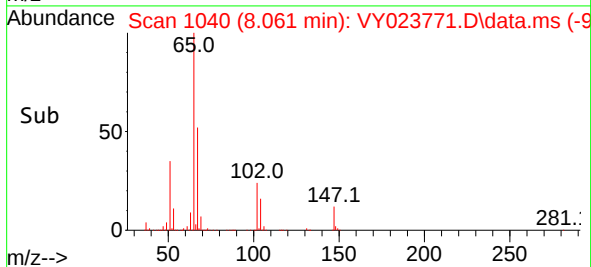
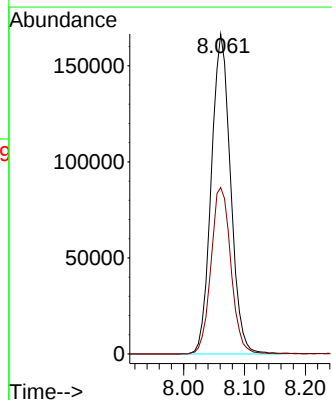
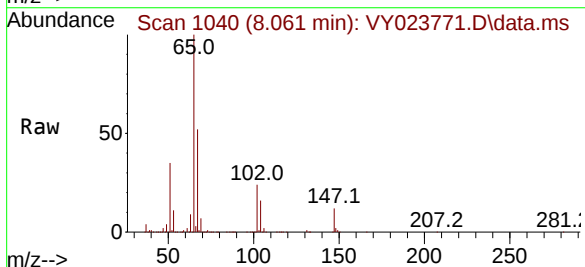
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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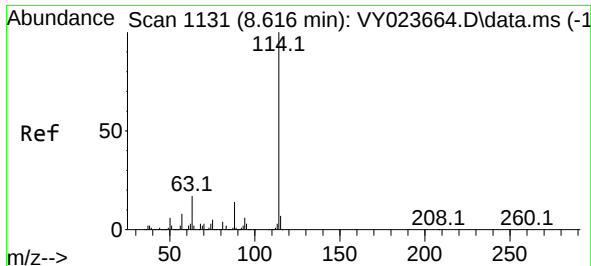
Tgt Ion: 56 Resp: 13367  
Ion Ratio Lower Upper  
56 100  
69 190.4 30.5 45.7#  
84 157.5 79.0 118.4#



#33  
1,2-Dichloroethane-d4  
Concen: 56.290 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

Tgt Ion: 65 Resp: 366367  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 107.4

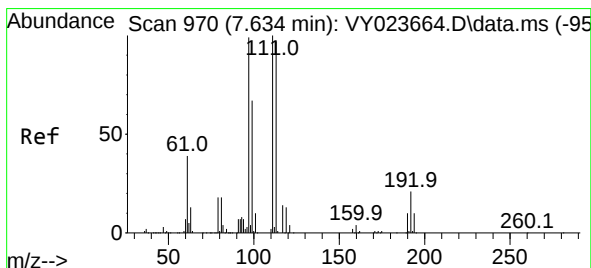
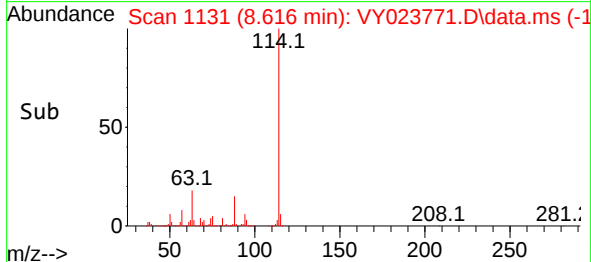
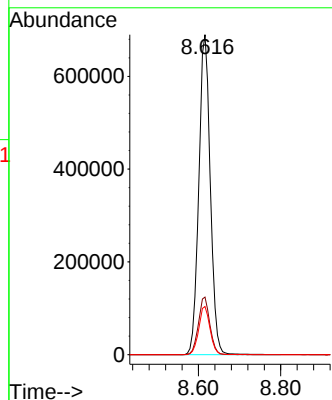
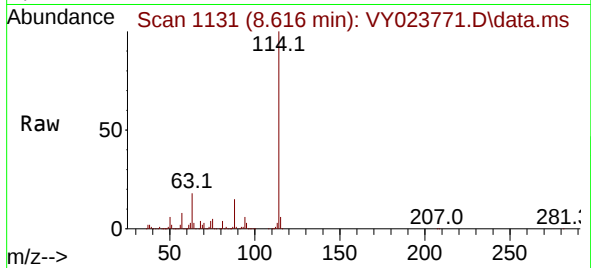




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

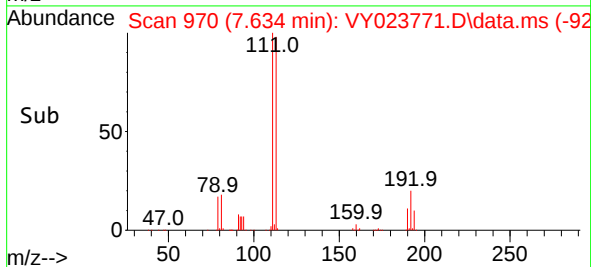
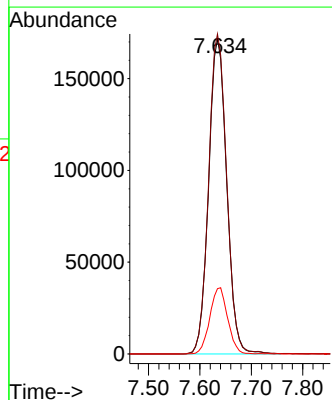
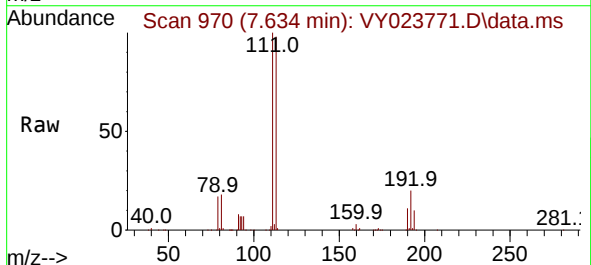
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

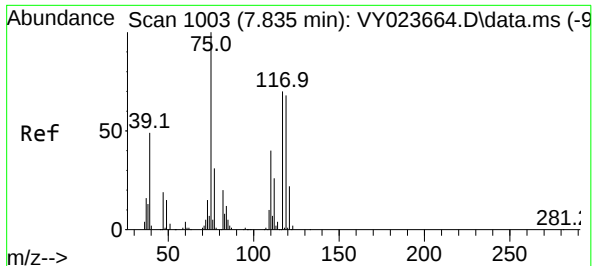
Tgt Ion:114 Resp: 1334682  
Ion Ratio Lower Upper  
114 100  
63 18.0 0.0 33.8  
88 15.0 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 50.310 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

Tgt Ion:113 Resp: 419625  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.2 123.4  
192 20.7 17.3 25.9





#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

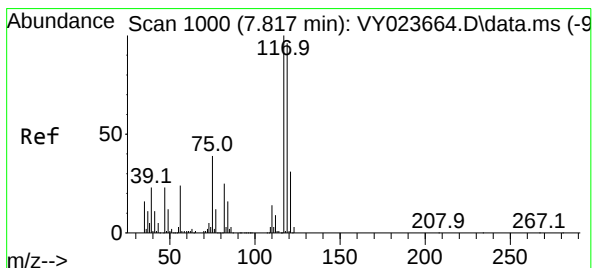
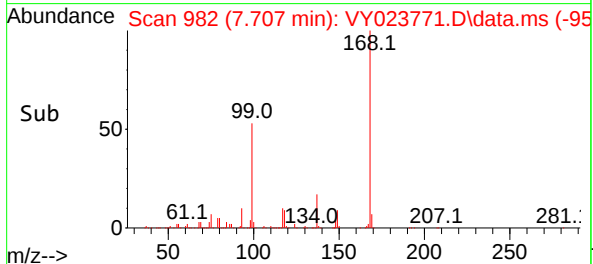
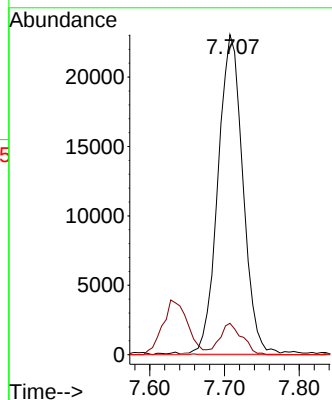
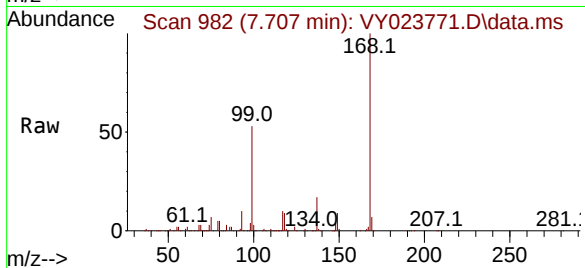
Tgt Ion: 75 Resp: 53137

Ion Ratio Lower Upper

75 100

110 8.8 19.7 59.0#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.472 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

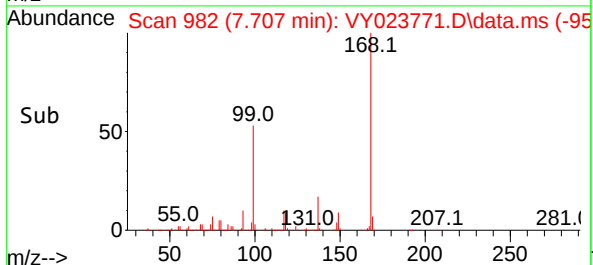
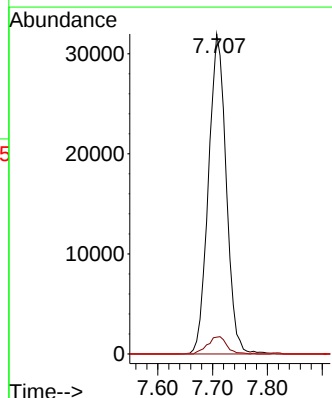
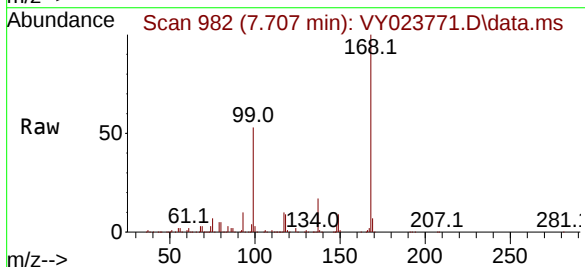
Tgt Ion: 117 Resp: 71858

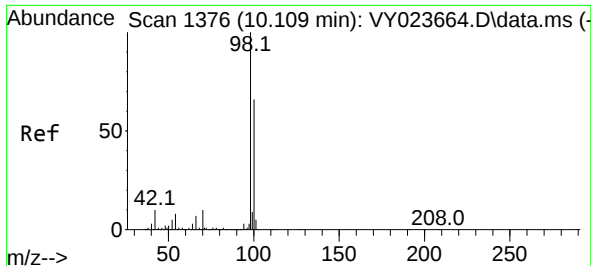
Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

121 0.0 24.8 37.2#

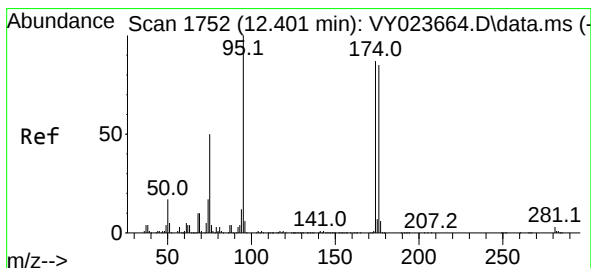
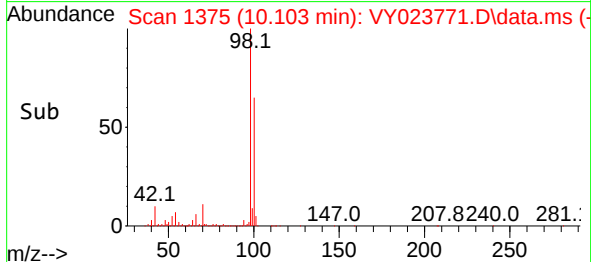
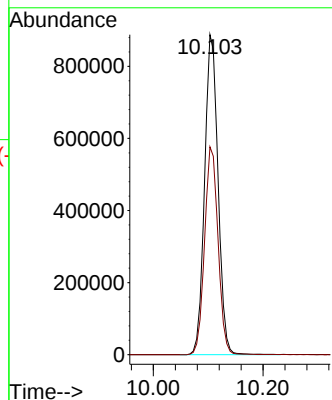
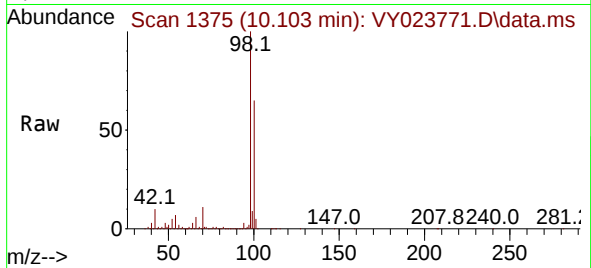




#50  
Toluene-d8  
Concen: 48.529 ug/l  
RT: 10.103 min Scan# 1376  
Delta R.T. -0.006 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

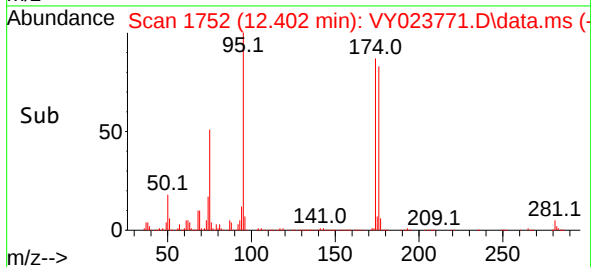
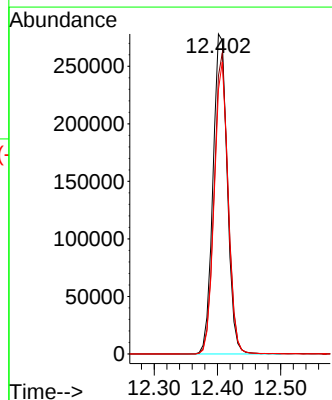
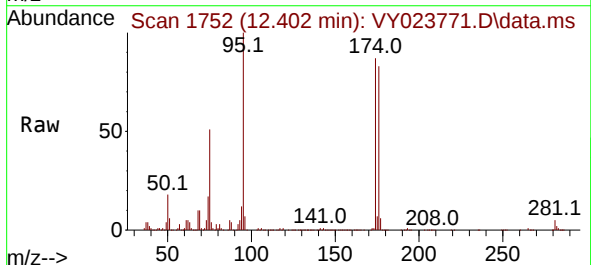
Instrument :  
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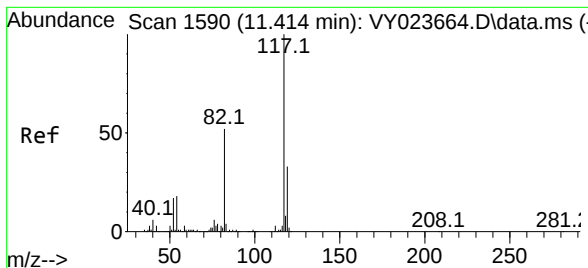
Tgt Ion: 98 Resp: 1507805  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 43.493 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

Tgt Ion: 95 Resp: 437009  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 184.8  
176 88.5 0.0 181.6

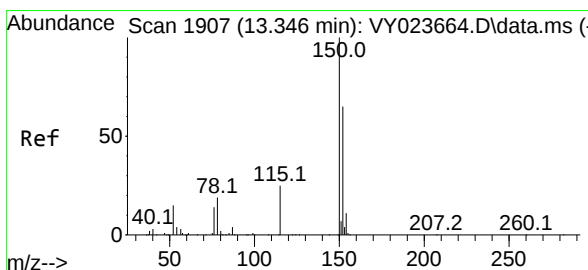
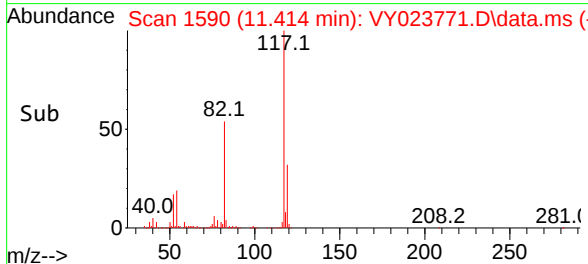
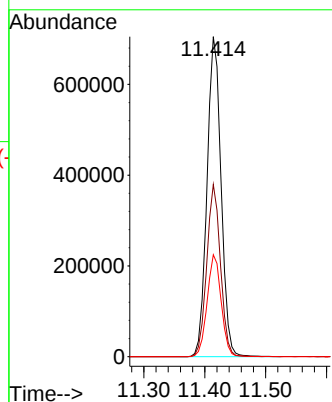
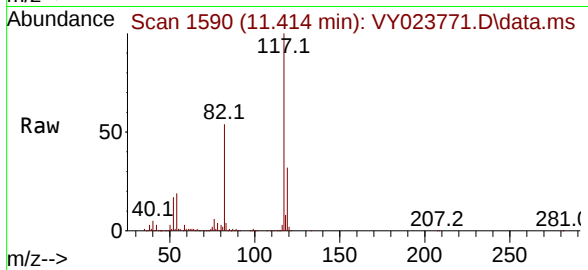




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

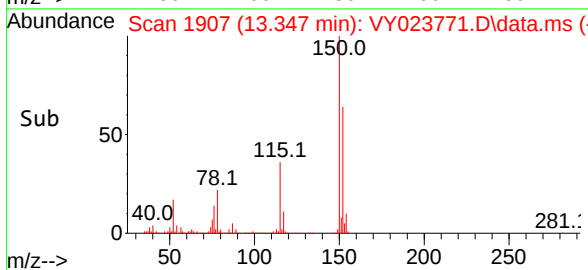
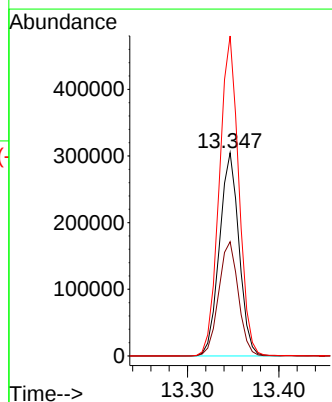
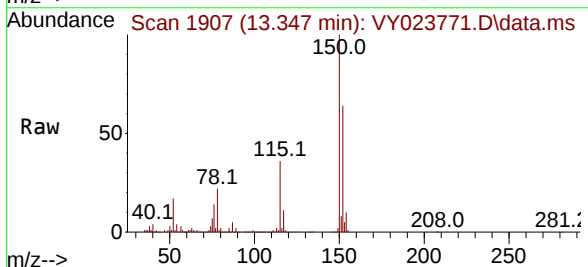
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

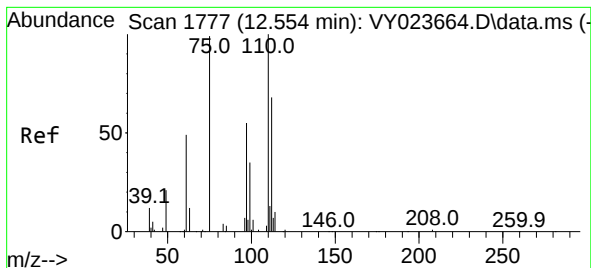
Tgt Ion:117 Resp: 1130903  
Ion Ratio Lower Upper  
117 100  
82 53.8 41.2 61.8  
119 31.8 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY023771.D  
Acq: 12 Nov 2025 18:05

Tgt Ion:152 Resp: 453681  
Ion Ratio Lower Upper  
152 100  
115 56.6 27.5 82.5  
150 156.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.825 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

Instrument :

MSVOA\_Y

ClientSampleId :

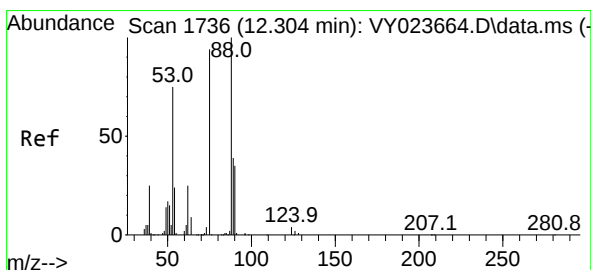
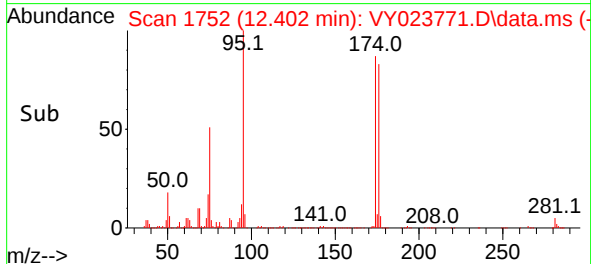
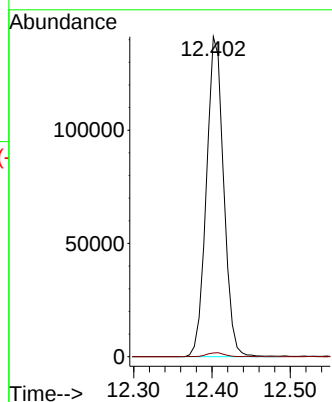
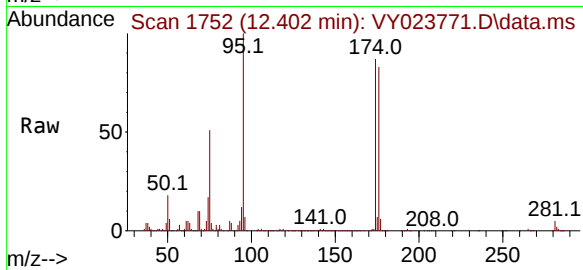
VIBLK

Tgt Ion: 75 Resp: 215986

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.940 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY023771.D

Acq: 12 Nov 2025 18:05

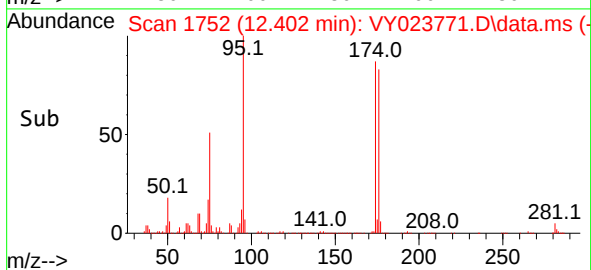
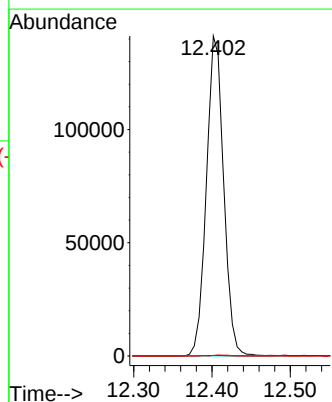
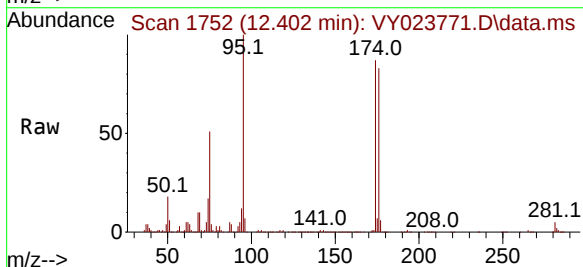
Tgt Ion: 75 Resp: 215986

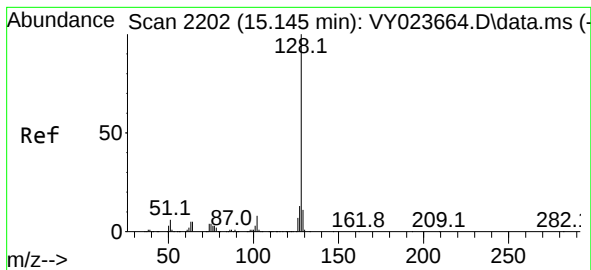
Ion Ratio Lower Upper

75 100

53 0.2 69.6 104.4#

89 0.3 38.2 57.4#





#95

Naphthalene

Concen: 5.270 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY023771.D

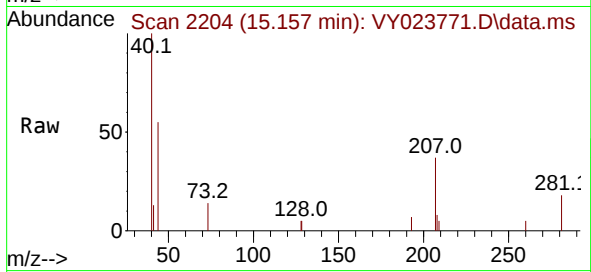
Acq: 12 Nov 2025 18:05

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 115

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#

