

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121525\  
 Data File : VY023979.D  
 Acq On : 15 Dec 2025 16:18  
 Operator : SY/MD  
 Sample : Q3871-06  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LAW-25-0192-0193-COMP

Quant Time: Dec 16 02:17:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 03:57:51 2025  
 Response via : Initial Calibration

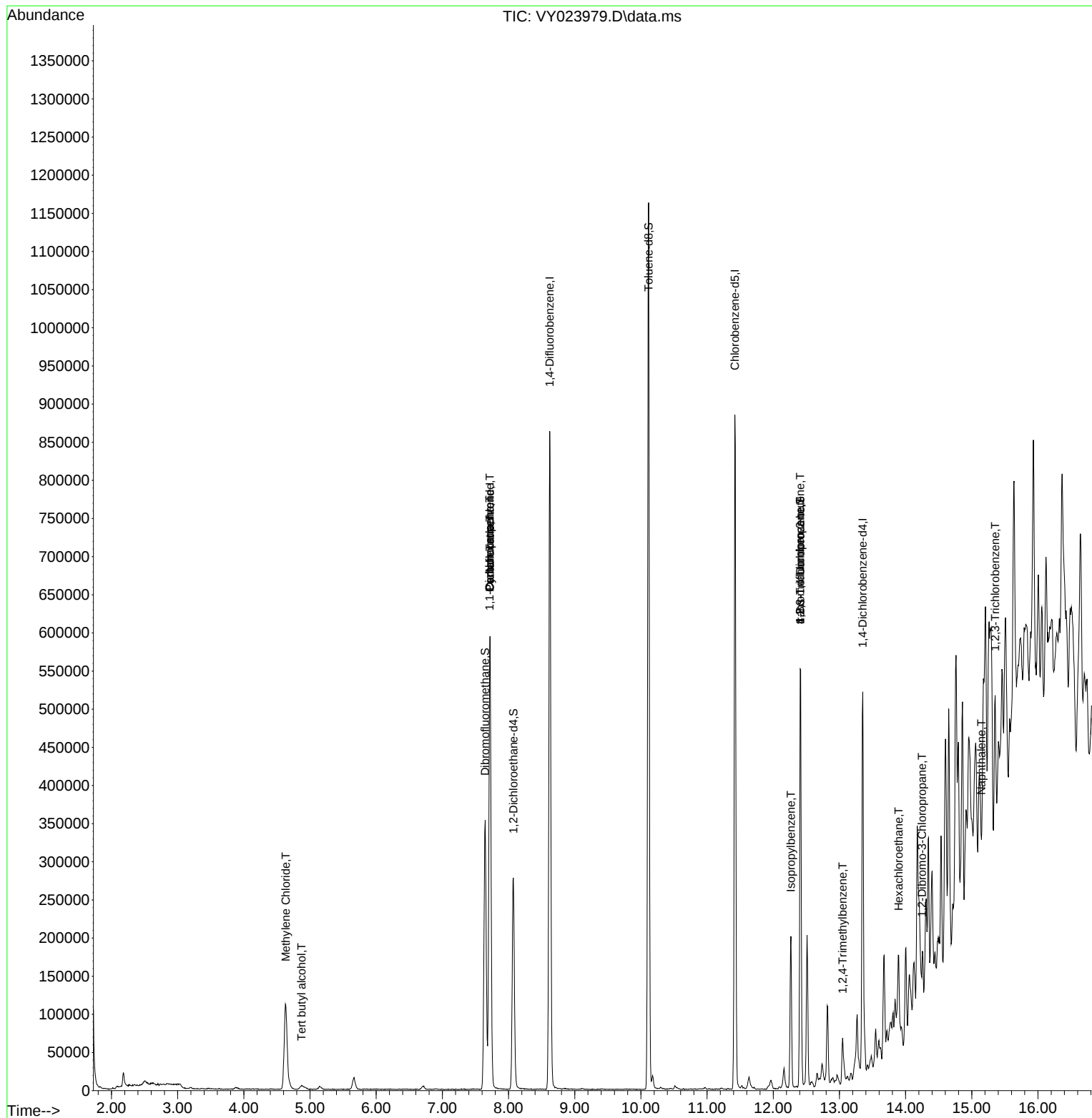
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.719     | 168   | 504532   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622     | 114   | 784860   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 500631   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352    | 152   | 136843   | 50.000    | ug/l       | 0.00     |
|                               |           |       |          |           |            |          |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.073     | 65    | 223139   | 50.022    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 100.040% |          |
| 35) Dibromofluoromethane      | 7.646     | 113   | 254020   | 49.512    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 99.020%  |          |
| 50) Toluene-d8                | 10.115    | 98    | 782112   | 40.945    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 81.880%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 164876   | 25.846    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 51.700%  |          |
|                               |           |       |          |           |            |          |
| Target Compounds              |           |       |          |           |            | Qvalue   |
| 10) Methyl Iodide             | 4.049     | 142   | 397      | Below Cal | #          | 91       |
| 11) Tert butyl alcohol        | 4.872     | 59    | 8921     | 34.536    | ug/l       | 97       |
| 16) Acetone                   | 3.879     | 43    | 4149     | Below Cal |            | 90       |
| 20) Methylene Chloride        | 4.635     | 84    | 90915    | 17.324    | ug/l       | 90       |
| 31) Cyclohexane               | 7.719     | 56    | 8507     | 1.112     | ug/l #     | 24       |
| 36) 1,1-Dichloropropene       | 7.713     | 75    | 31900    | 4.567     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.719     | 117   | 45663    | 5.394     | ug/l #     | 16       |
| 73) Isopropylbenzene          | 12.267    | 105   | 10098    | 1.010     | ug/l #     | 69       |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 82280    | 71.081    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 82280    | 161.798   | ug/l #     | 13       |
| 84) 1,2,4-Trimethylbenzene    | 13.048    | 105   | 30270    | 3.830     | ug/l       | 98       |
| 90) Hexachloroethane          | 13.895    | 117   | 2538     | 1.366     | ug/l #     | 7        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.249    | 75    | 356      | 1.510     | ug/l #     | 21       |
| 95) Naphthalene               | 15.145    | 128   | 9929     | 2.617     | ug/l #     | 80       |
| 96) 1,2,3-Trichlorobenzene    | 15.352    | 180   | 16184    | 7.750     | ug/l #     | 12       |
| -----                         |           |       |          |           |            |          |

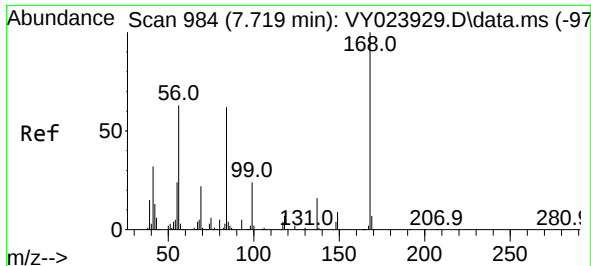
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121525\  
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Sample : Q3871-06  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0192-0193-COMP

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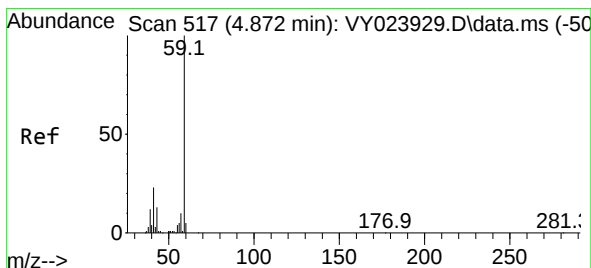
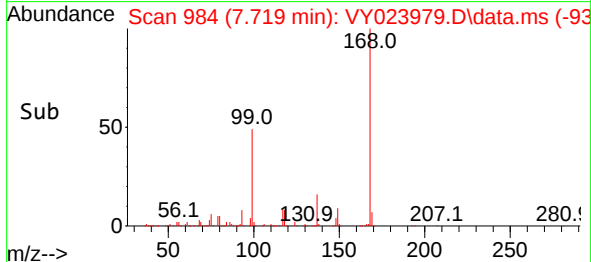
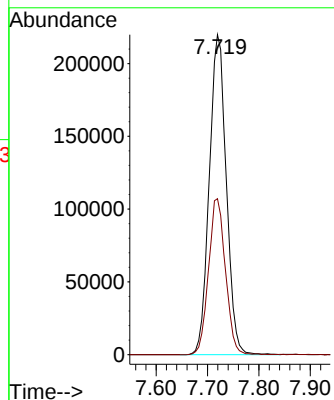
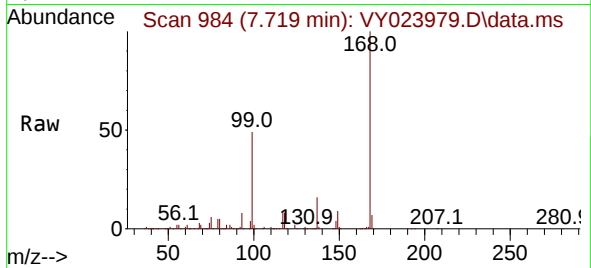




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

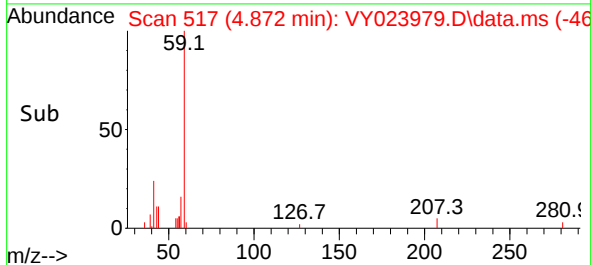
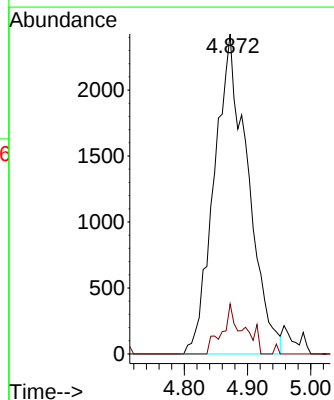
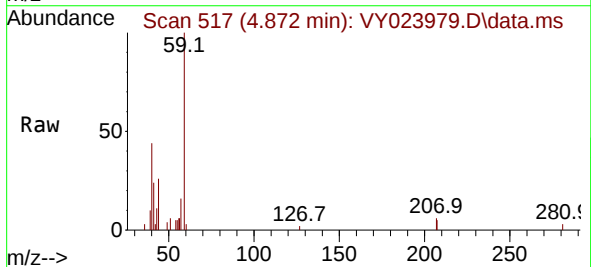
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0192-0193-COMP

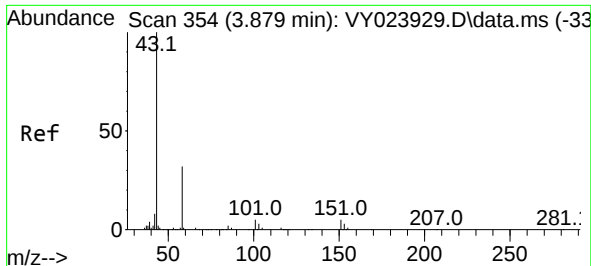
Tgt Ion:168 Resp: 504532  
Ion Ratio Lower Upper  
168 100  
99 48.7 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 34.536 ug/l  
RT: 4.872 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion: 59 Resp: 8921  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.7 13.1

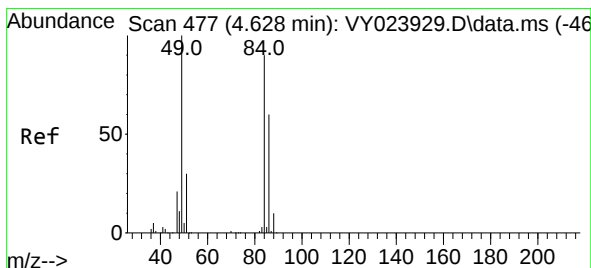
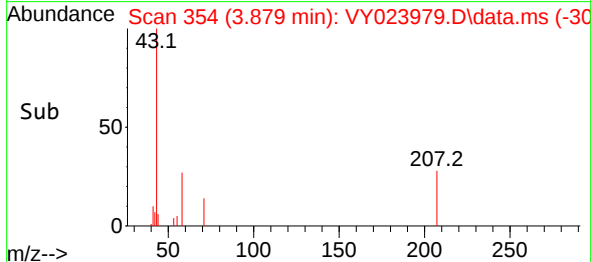
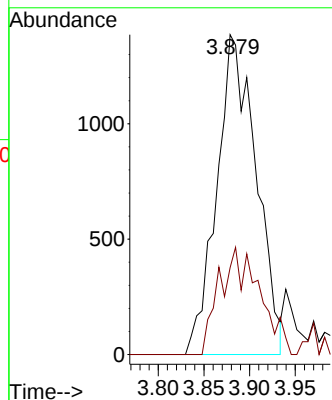
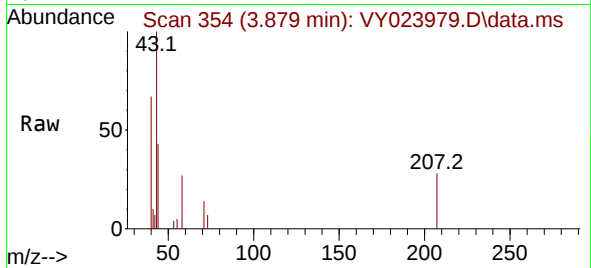




#16  
Acetone  
Concen: Below Cal  
RT: 3.879 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

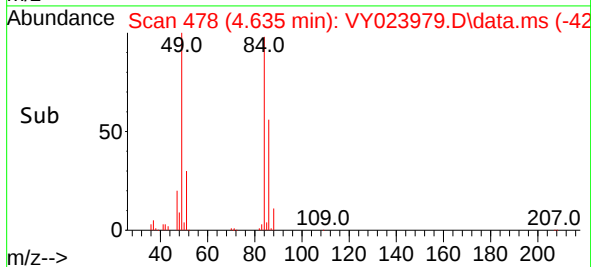
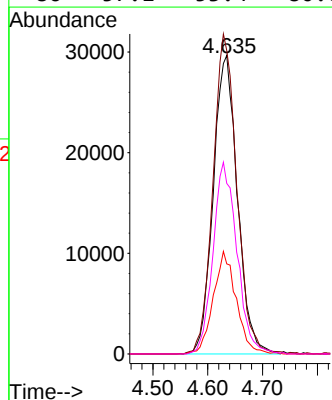
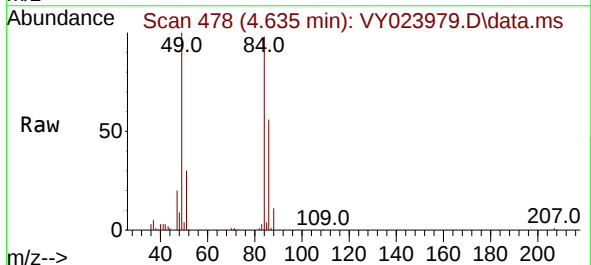
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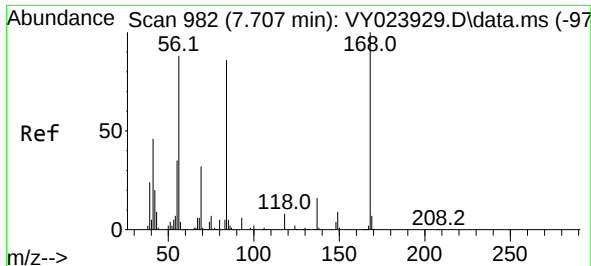
Tgt Ion: 43 Resp: 4149  
Ion Ratio Lower Upper  
43 100  
58 27.2 26.4 39.6



#20  
Methylene Chloride  
Concen: 17.324 ug/l  
RT: 4.635 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion: 84 Resp: 90915  
Ion Ratio Lower Upper  
84 100  
49 101.5 89.1 133.7  
51 30.2 26.6 39.8  
86 57.1 53.4 80.0

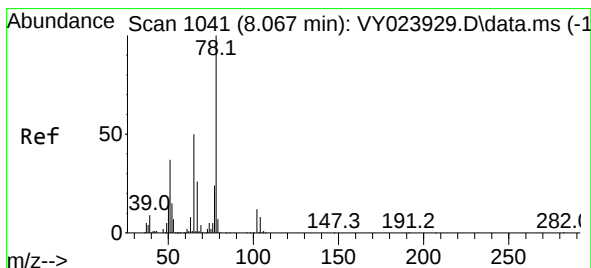
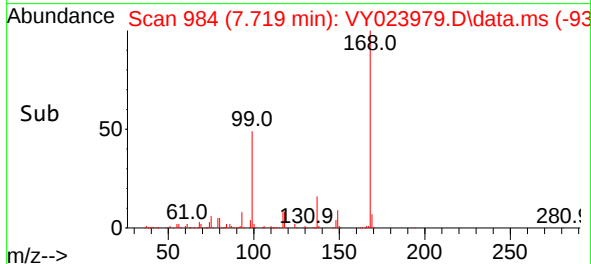
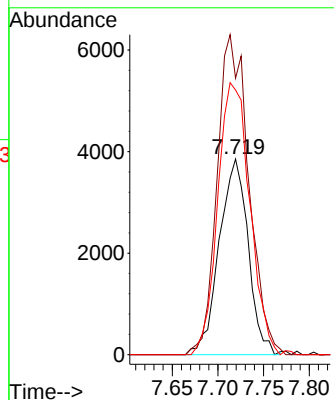
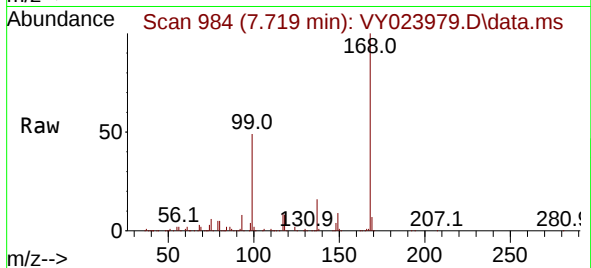




#31  
Cyclohexane  
Concen: 1.112 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. 0.012 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

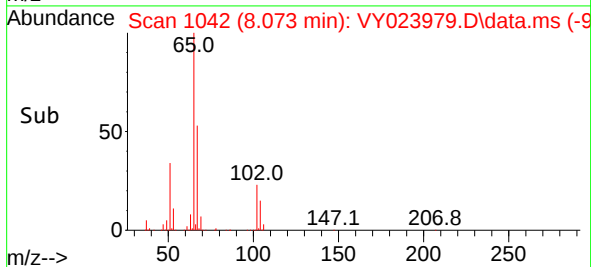
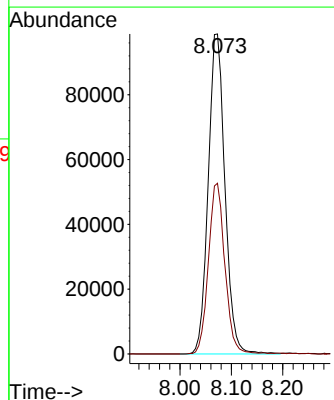
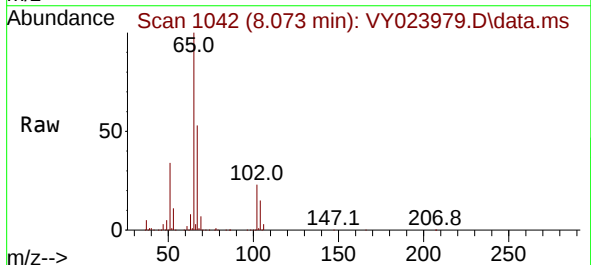
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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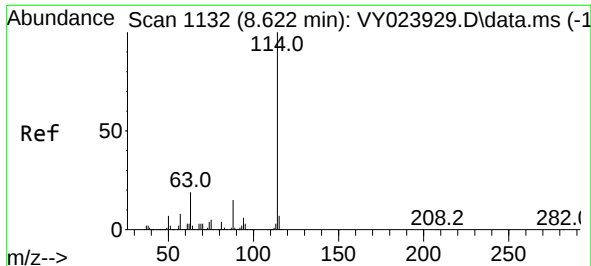
Tgt Ion: 56 Resp: 8507  
Ion Ratio Lower Upper  
56 100  
69 141.3 29.1 43.7#  
84 135.2 77.8 116.8#



#33  
1,2-Dichloroethane-d4  
Concen: 50.022 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. 0.006 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion: 65 Resp: 223139  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 106.2

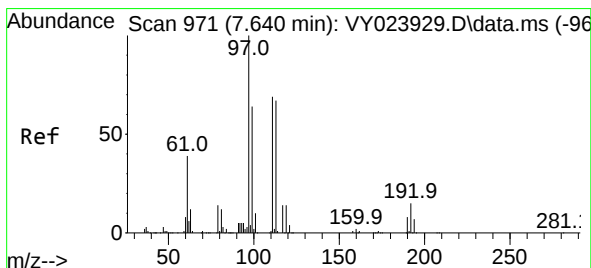
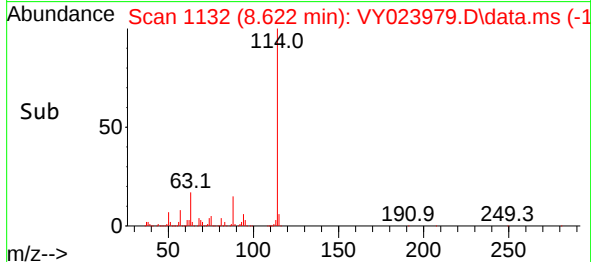
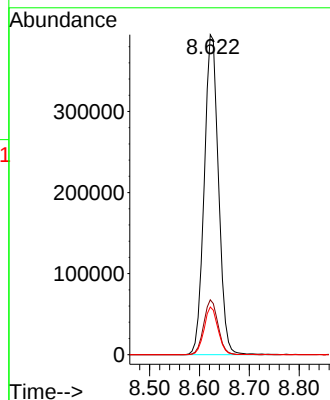
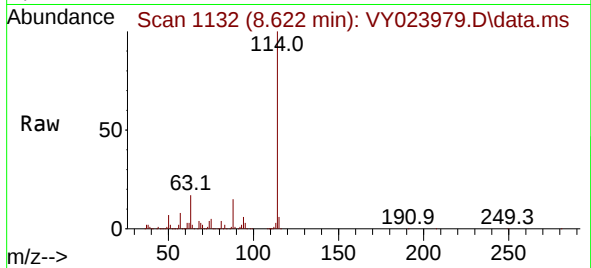




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.622 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

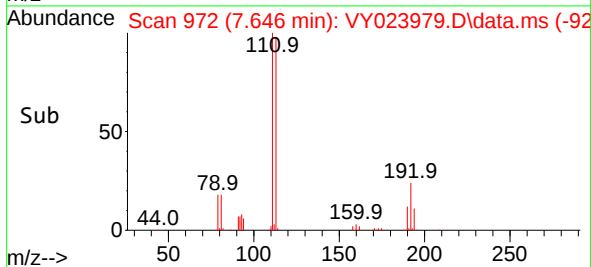
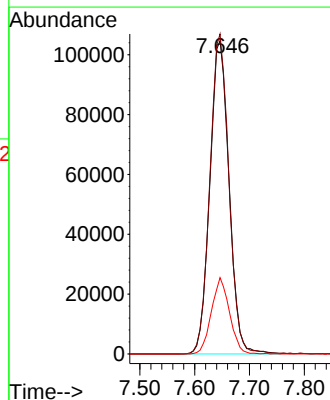
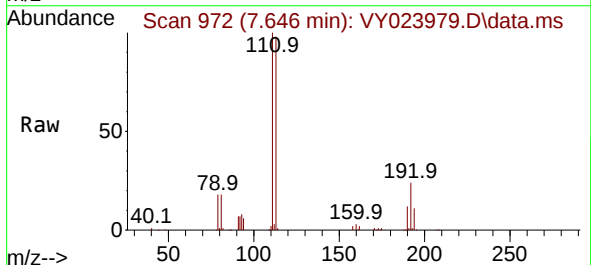
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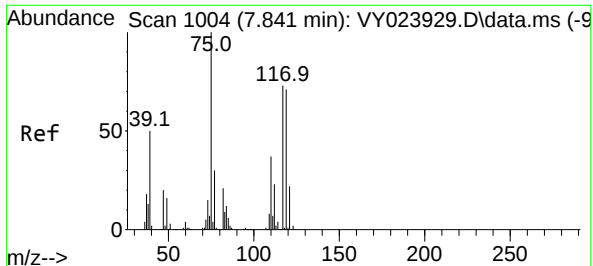
Tgt Ion:114 Resp: 784860  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 37.2  
88 14.9 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 49.512 ug/l  
RT: 7.646 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion:113 Resp: 254020  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.4 123.6  
192 23.0 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.567 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

Instrument :

MSVOA\_Y

ClientSampleId :

LAW-25-0192-0193-COMP

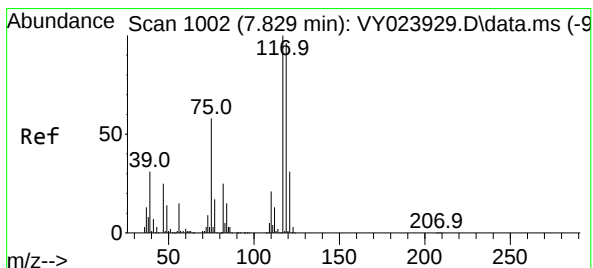
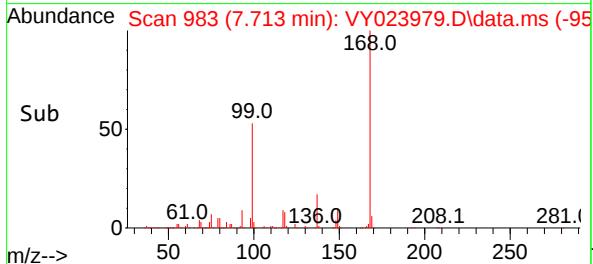
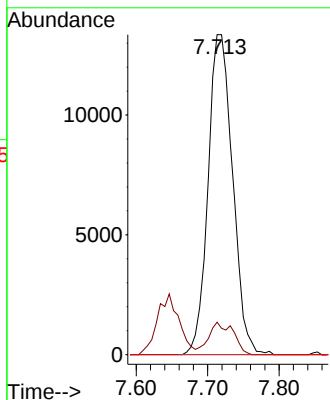
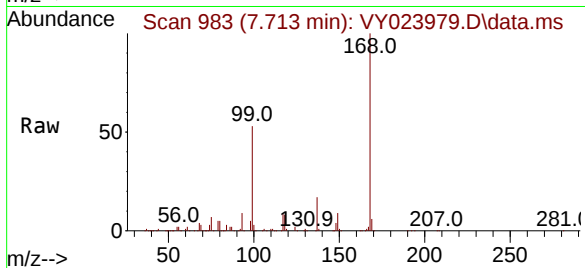
Tgt Ion: 75 Resp: 31900

Ion Ratio Lower Upper

75 100

110 10.2 19.2 57.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.394 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

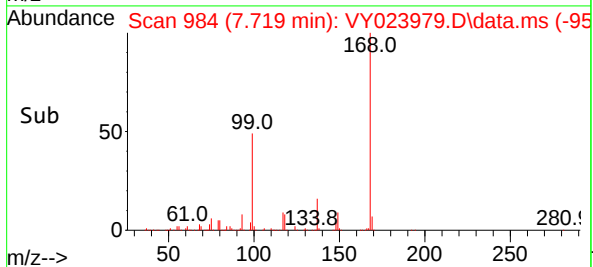
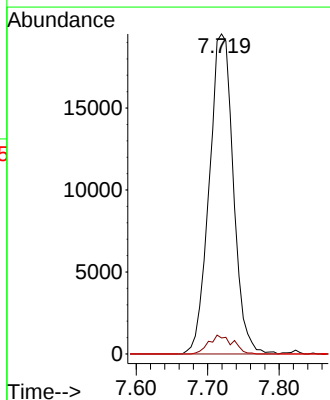
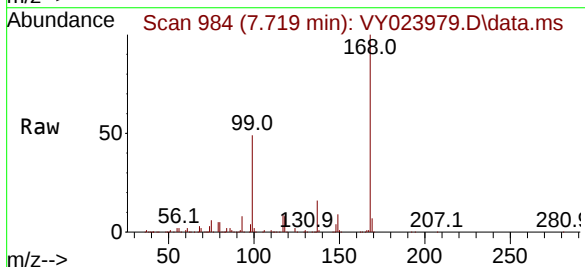
Tgt Ion: 117 Resp: 45663

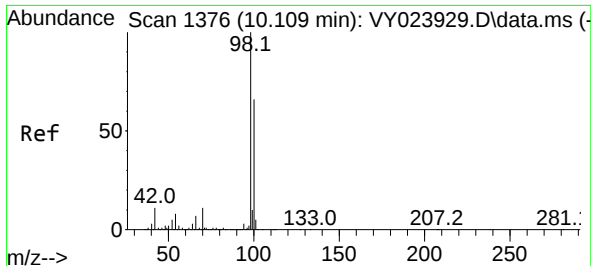
Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

121 0.0 24.8 37.2#

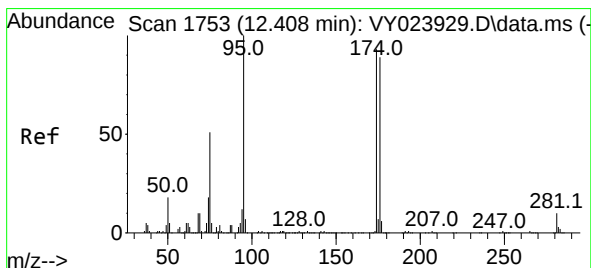
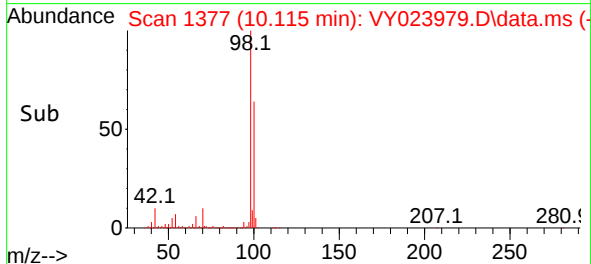
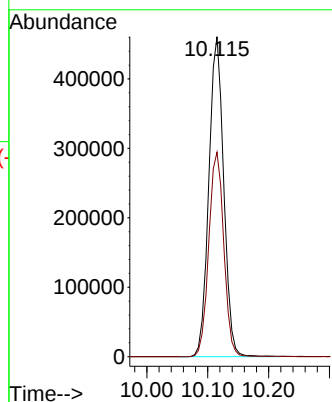
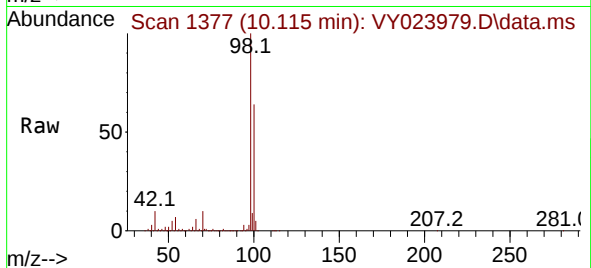




#50  
Toluene-d8  
Concen: 40.945 ug/l  
RT: 10.115 min Scan# 1377  
Delta R.T. 0.006 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

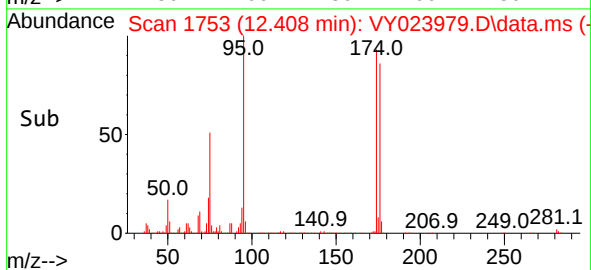
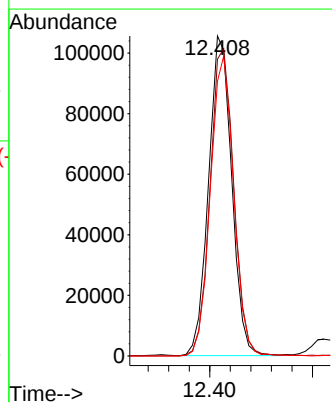
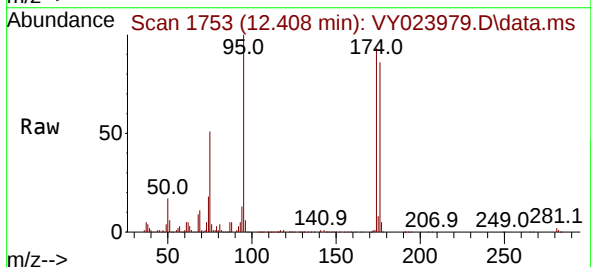
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0192-0193-COMP

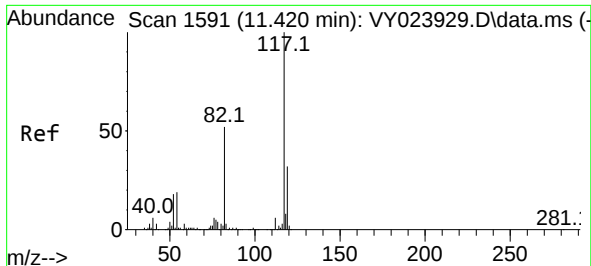
Tgt Ion: 98 Resp: 782112  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 25.846 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion: 95 Resp: 164876  
Ion Ratio Lower Upper  
95 100  
174 98.5 0.0 187.4  
176 94.2 0.0 179.6

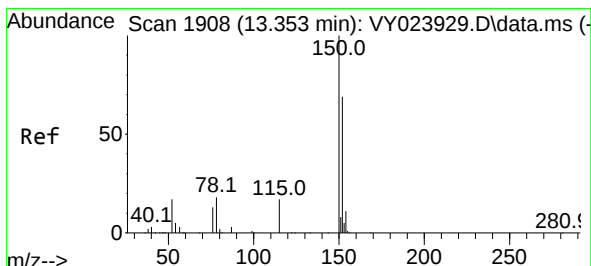
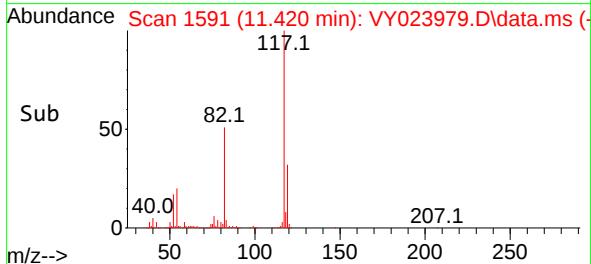
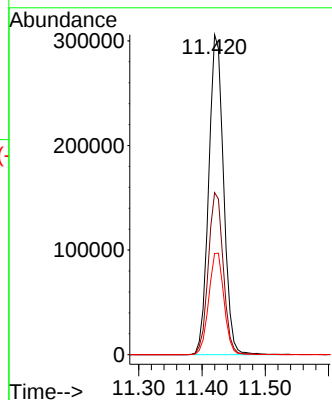
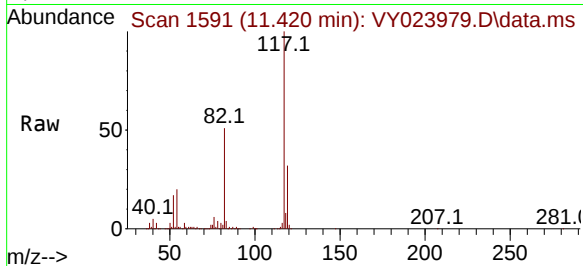




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

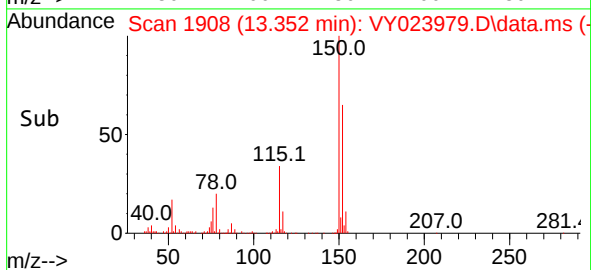
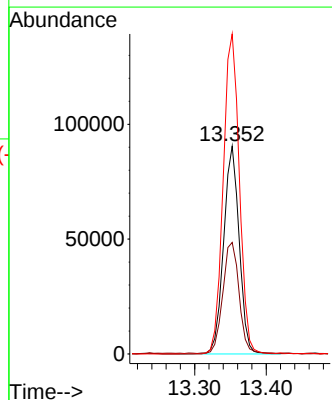
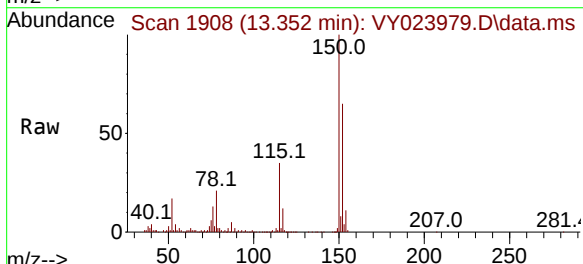
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0192-0193-COMP

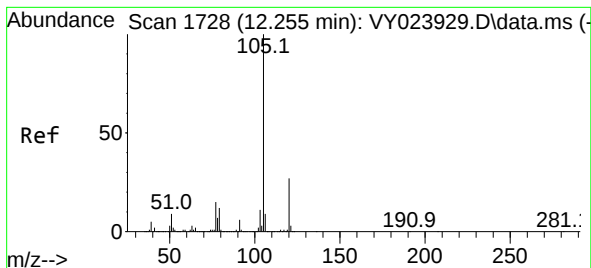
Tgt Ion:117 Resp: 500631  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.4 62.2  
119 31.6 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion:152 Resp: 136843  
Ion Ratio Lower Upper  
152 100  
115 56.0 27.3 81.9  
150 159.2 0.0 347.6





#73

Isopropylbenzene

Concen: 1.010 ug/l

RT: 12.267 min Scan# 1730

Delta R.T. 0.012 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

Instrument :

MSVOA\_Y

ClientSampleId :

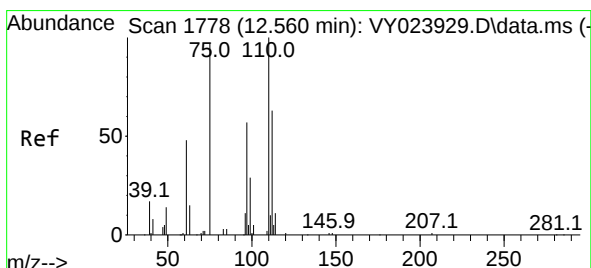
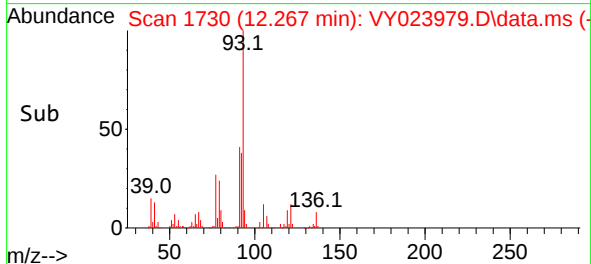
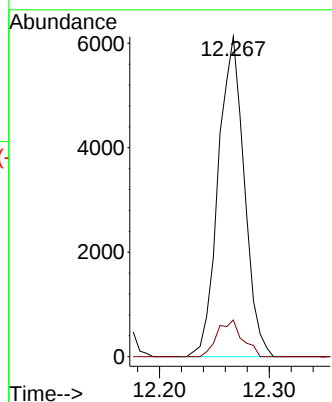
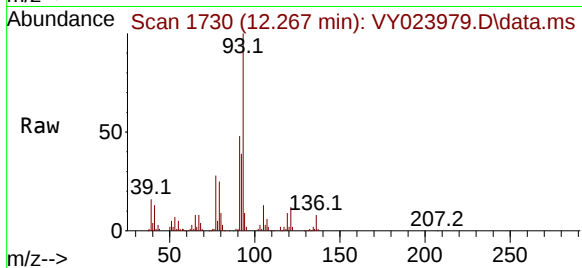
LAW-25-0192-0193-COMP

Tgt Ion:105 Resp: 10098

Ion Ratio Lower Upper

105 100

120 11.0 13.7 41.0#



#76

1,2,3-Trichloropropane

Concen: 71.081 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY023979.D

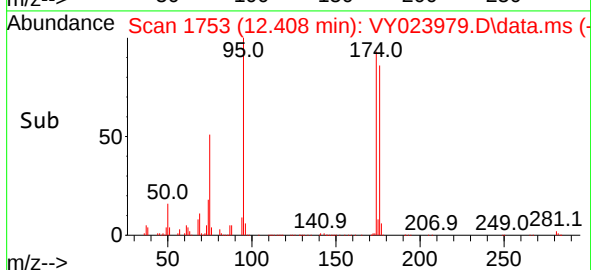
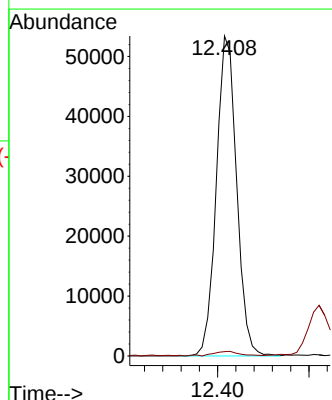
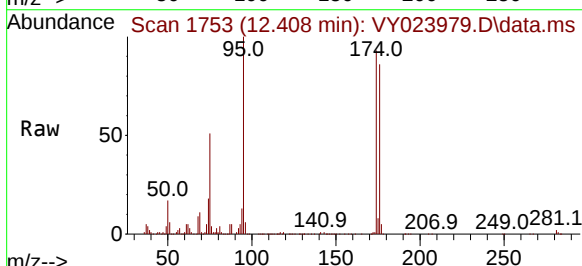
Acq: 15 Dec 2025 16:18

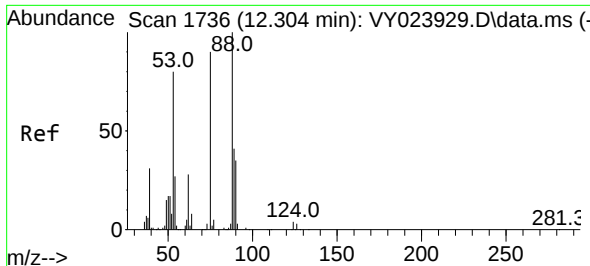
Tgt Ion: 75 Resp: 82280

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

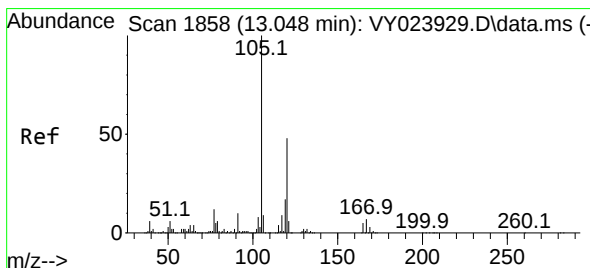
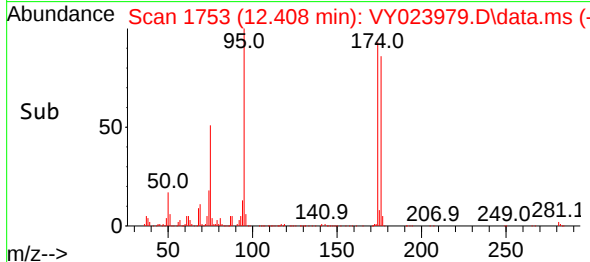
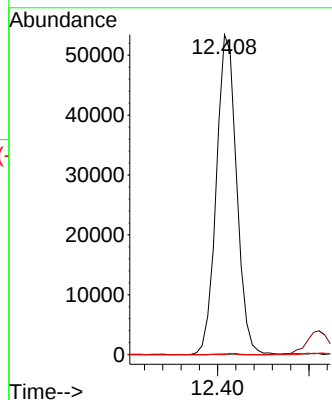
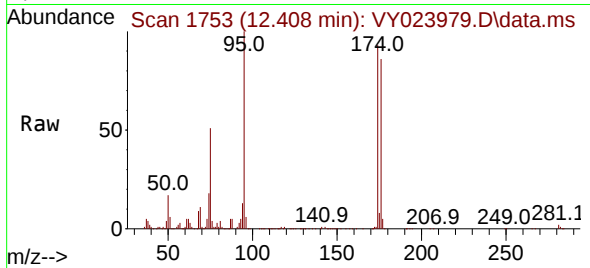




#81  
trans-1,4-Dichloro-2-butene  
Concen: 161.798 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

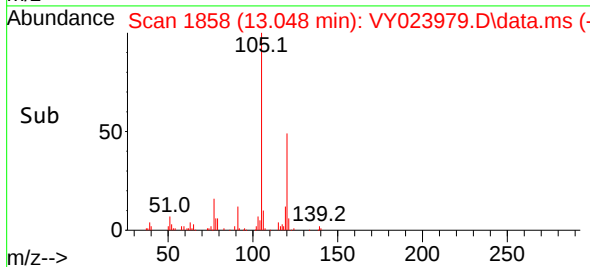
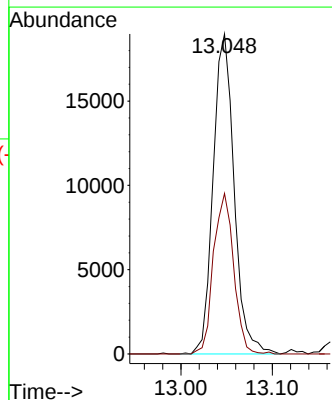
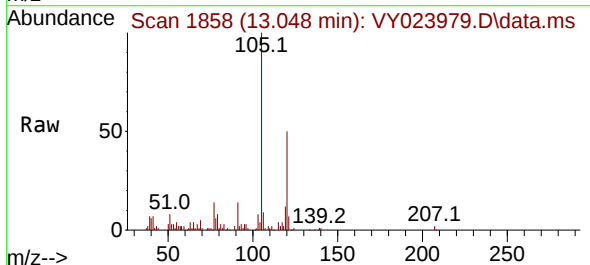
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LAW-25-0192-0193-COMP

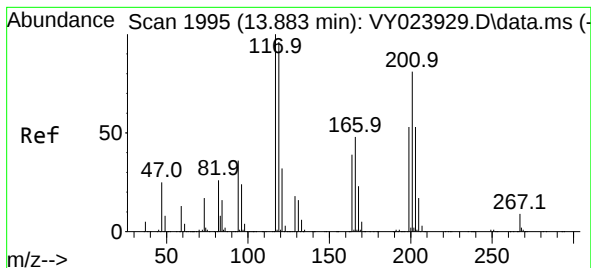
Tgt Ion: 75 Resp: 82280  
Ion Ratio Lower Upper  
75 100  
53 0.3 73.4 110.0#  
89 0.2 38.9 58.3#



#84  
1,2,4-Trimethylbenzene  
Concen: 3.830 ug/l  
RT: 13.048 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: VY023979.D  
Acq: 15 Dec 2025 16:18

Tgt Ion:105 Resp: 30270  
Ion Ratio Lower Upper  
105 100  
120 48.3 23.4 70.3





#90

Hexachloroethane

Concen: 1.366 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.012 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

Instrument :

MSVOA\_Y

ClientSampleId :

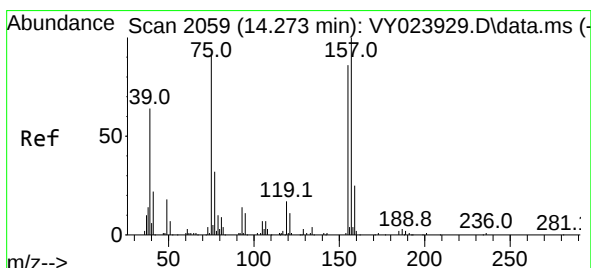
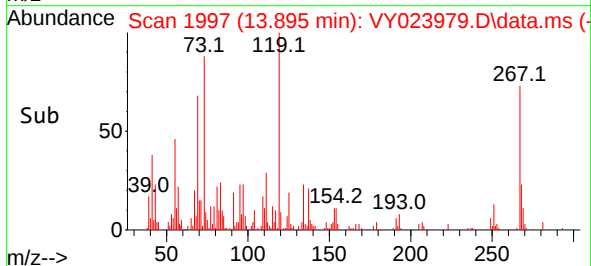
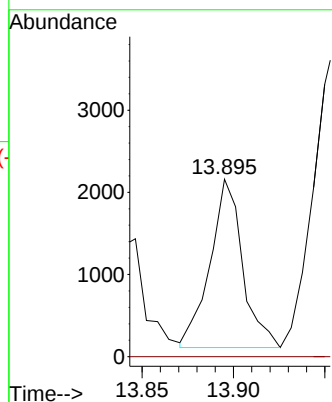
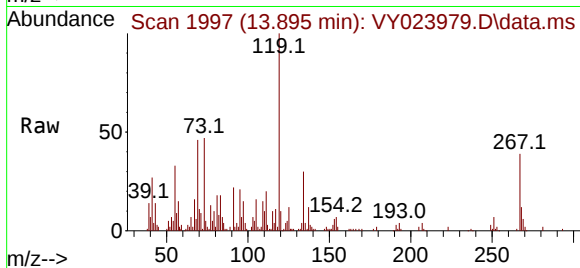
LAW-25-0192-0193-COMP

Tgt Ion:117 Resp: 2538

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.510 ug/l

RT: 14.249 min Scan# 2055

Delta R.T. -0.024 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

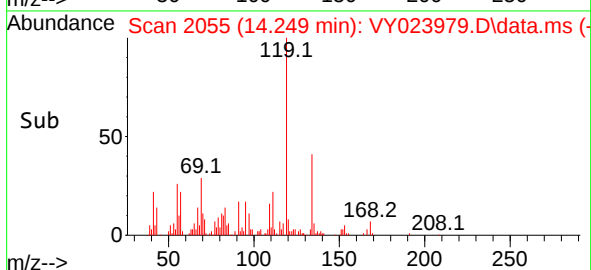
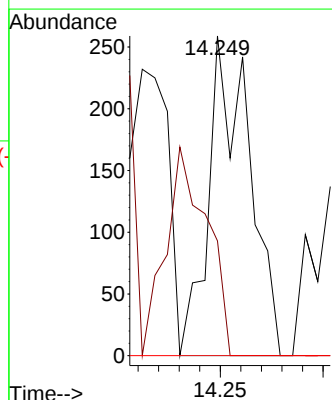
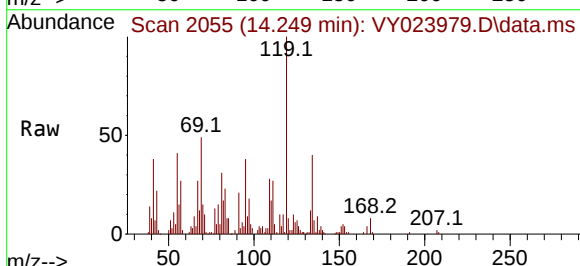
Tgt Ion: 75 Resp: 356

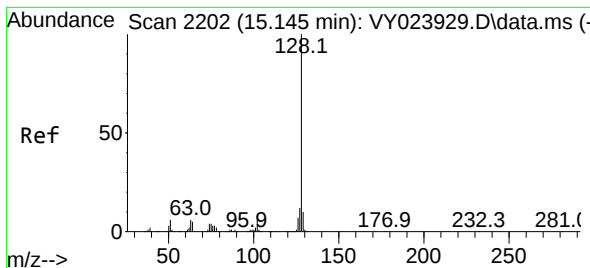
Ion Ratio Lower Upper

75 100

155 59.6 50.2 150.7

157 0.0 62.8 188.5#





#95

Naphthalene

Concen: 2.617 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

Instrument :

MSVOA\_Y

ClientSampleId :

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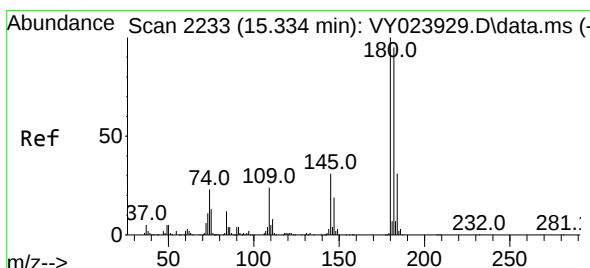
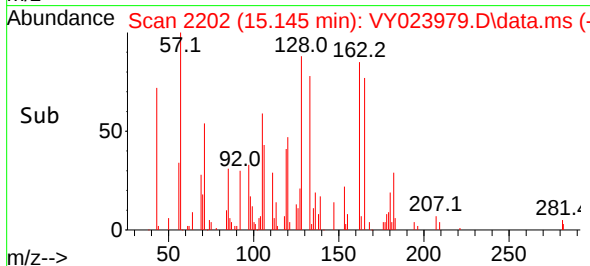
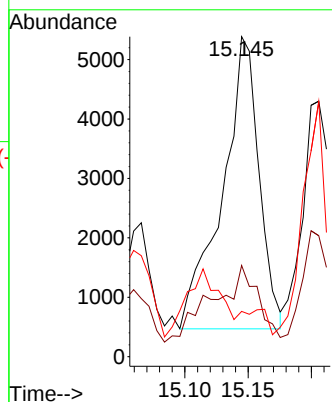
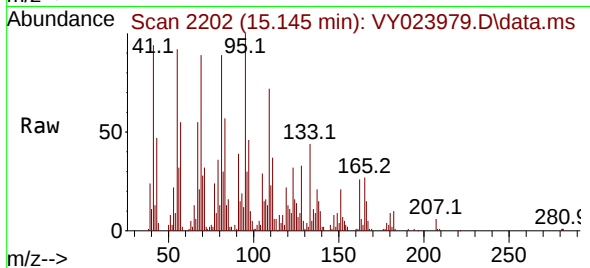
Tgt Ion:128 Resp: 9929

Ion Ratio Lower Upper

128 100

127 17.7 10.2 15.2#

129 0.0 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 7.750 ug/l

RT: 15.352 min Scan# 2236

Delta R.T. 0.018 min

Lab File: VY023979.D

Acq: 15 Dec 2025 16:18

Tgt Ion:180 Resp: 16184

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

145 0.0 15.6 46.8#

