

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102025\  
 Data File : VY023496.D  
 Acq On : 20 Oct 2025 09:37  
 Operator : SY/MD  
 Sample : VY1020SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 21 03:54:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

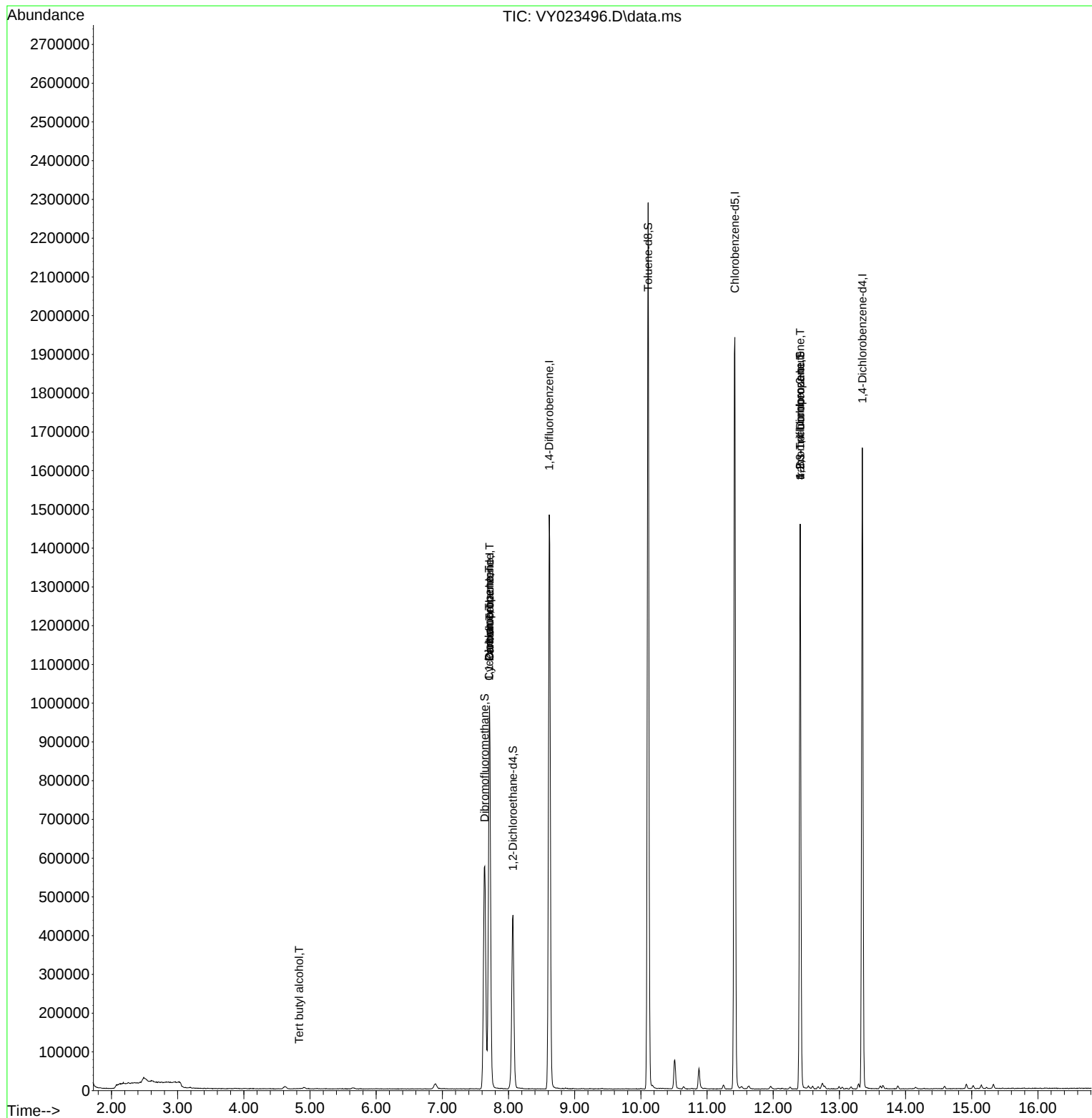
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 824447   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 1344685  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 1118365  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 444219   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 342584   | 49.692   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 99.380%  |
| 35) Dibromofluoromethane      | 7.640  | 113   | 424251   | 51.347   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 102.700% |
| 50) Toluene-d8                | 10.109 | 98    | 1507991  | 49.008   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 98.020%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 412361   | 40.592   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 81.180%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.836  | 59    | 909      | 1.772    | ug/l # | 72       |
| 31) Cyclohexane               | 7.707  | 56    | 13502    | 1.177    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 53029    | 4.848    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 73685    | 5.555    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 198648   | 50.686   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 198648   | 124.291  | ug/l # | 15       |
| -----                         |        |       |          |          |        |          |

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

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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 21 03:54:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

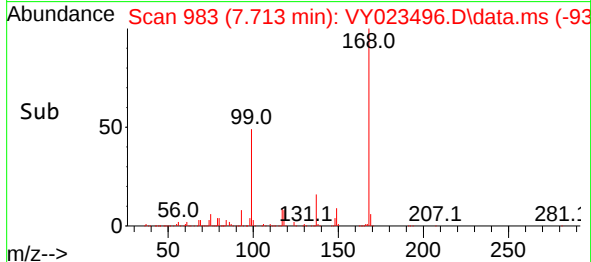
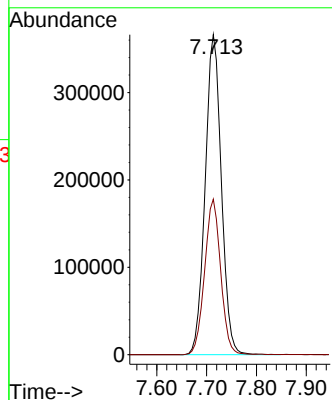
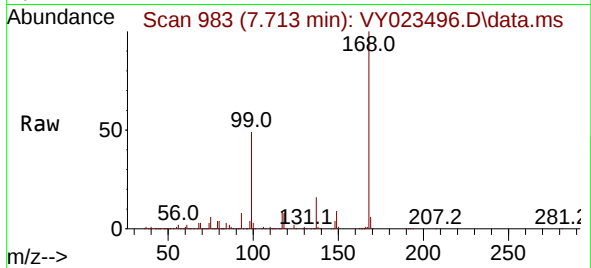




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

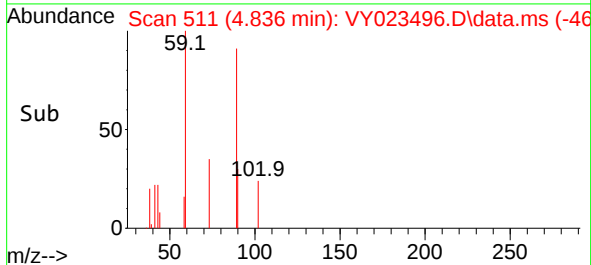
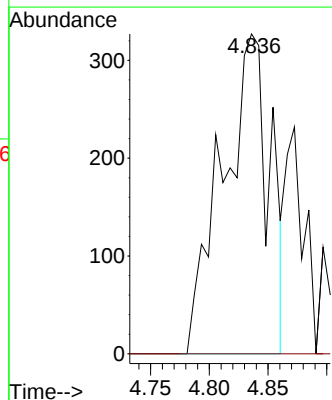
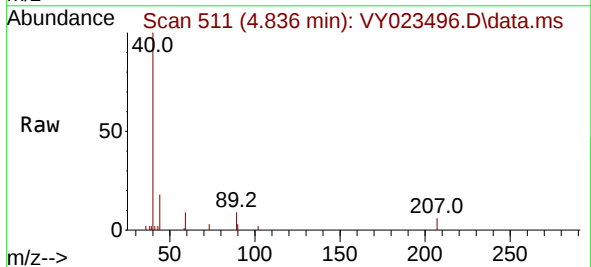
Instrument :  
MSVOA\_Y  
ClientSampleId :

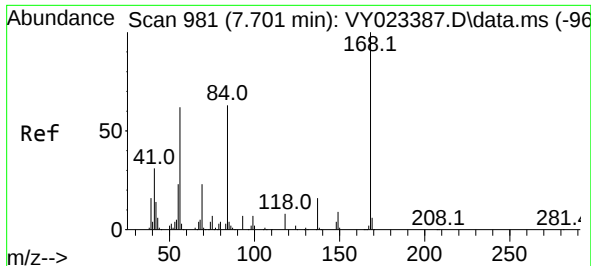
Tgt Ion:168 Resp: 824447  
Ion Ratio Lower Upper  
168 100  
99 48.6 39.7 59.5



#11  
Tert butyl alcohol  
Concen: 1.772 ug/l  
RT: 4.836 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

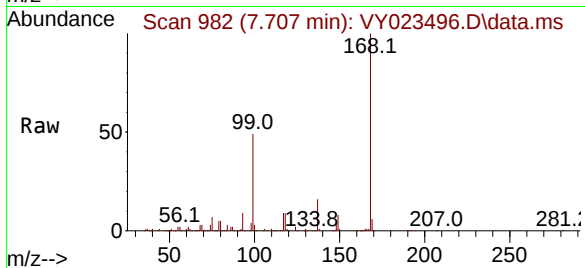
Tgt Ion: 59 Resp: 909  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



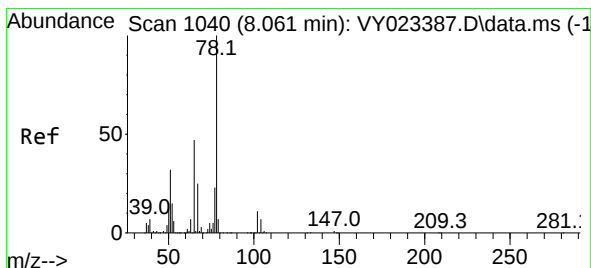
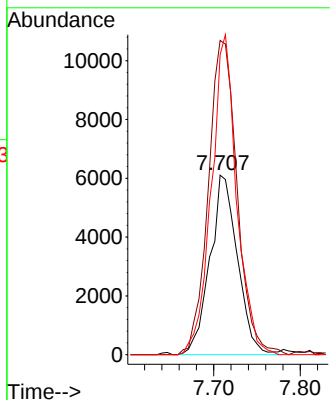
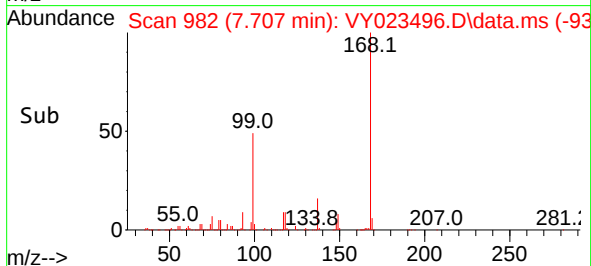


#31  
Cyclohexane  
Concen: 1.177 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

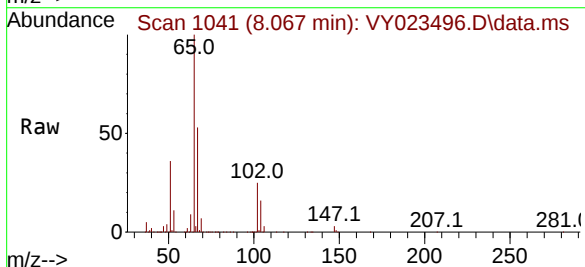
Instrument :  
MSVOA\_Y  
ClientSampleId :



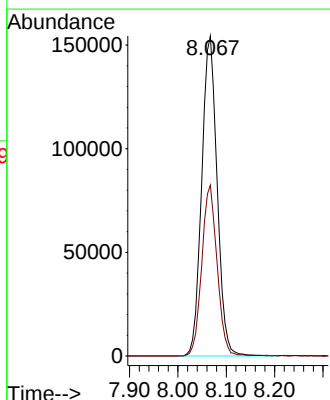
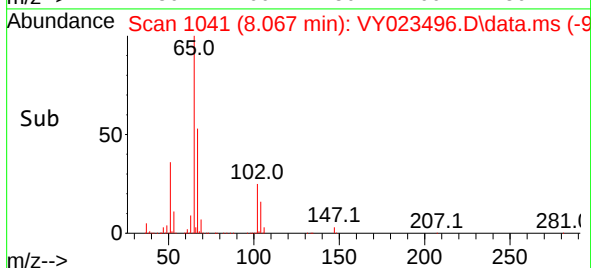
Tgt Ion: 56 Resp: 13502  
Ion Ratio Lower Upper  
56 100  
69 175.1 30.0 45.0#  
84 167.1 81.2 121.8#

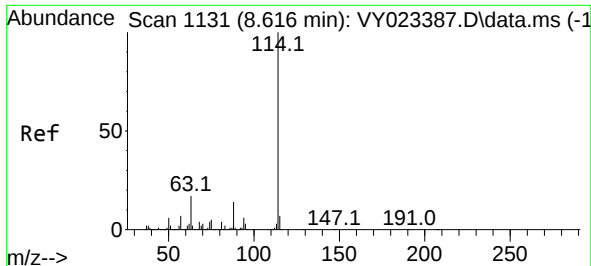


#33  
1,2-Dichloroethane-d4  
Concen: 49.692 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37



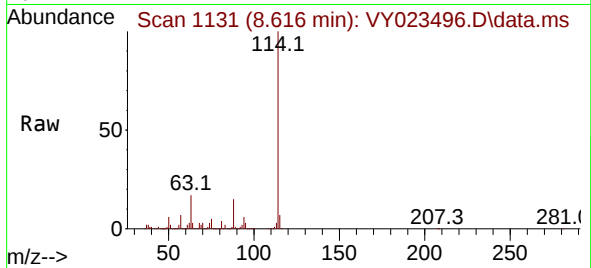
Tgt Ion: 65 Resp: 342584  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.8



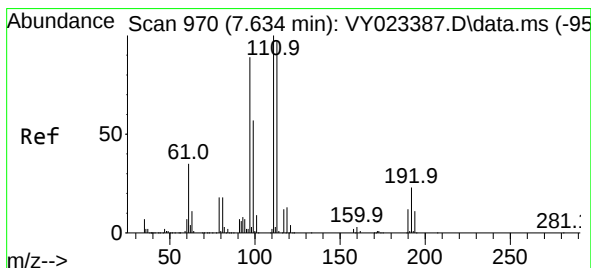
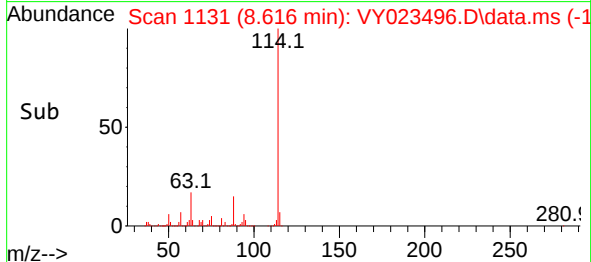
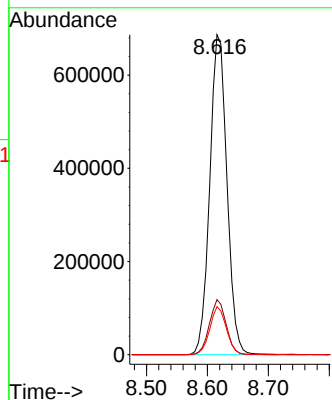


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

Instrument :  
MSVOA\_Y  
ClientSampleId :

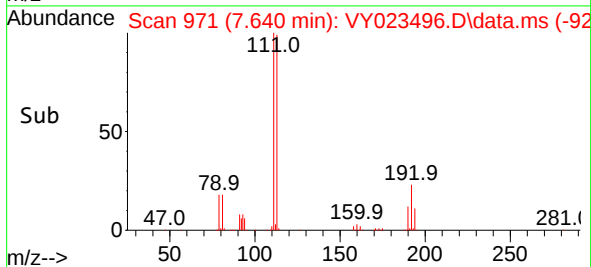
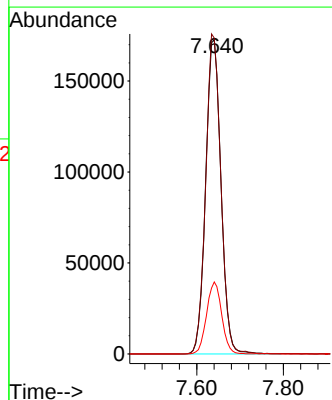
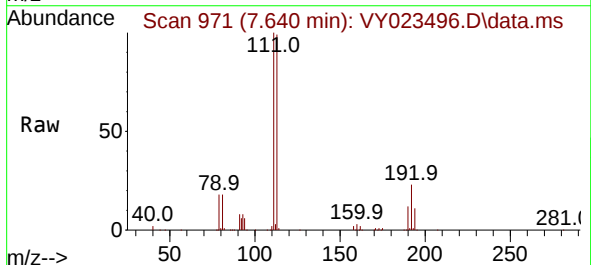


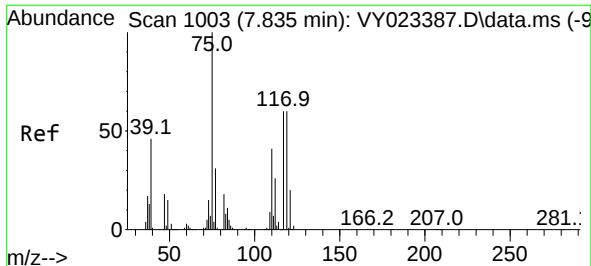
Tgt Ion:114 Resp: 1344685  
Ion Ratio Lower Upper  
114 100  
63 17.2 0.0 34.2  
88 15.0 0.0 28.4



#35  
Dibromofluoromethane  
Concen: 51.347 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

Tgt Ion:113 Resp: 424251  
Ion Ratio Lower Upper  
113 100  
111 100.9 81.8 122.6  
192 22.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023496.D

Acq: 20 Oct 2025 09:37

Instrument :

MSVOA\_Y

ClientSampleId :

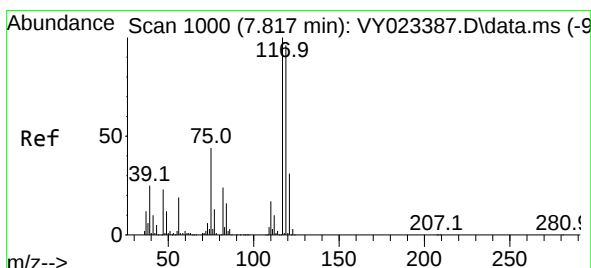
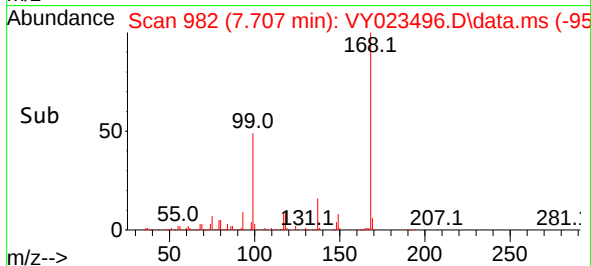
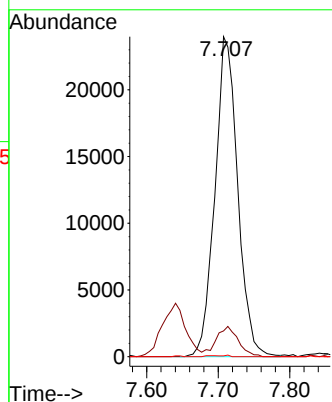
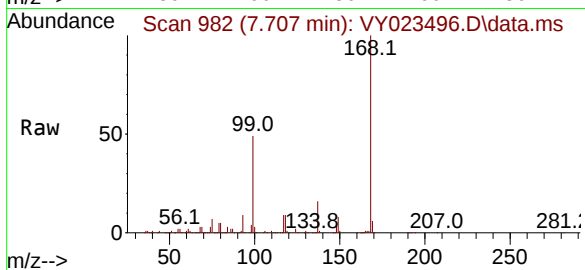
Tgt Ion: 75 Resp: 53029

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023496.D

Acq: 20 Oct 2025 09:37

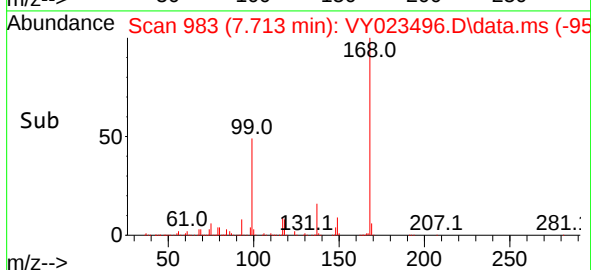
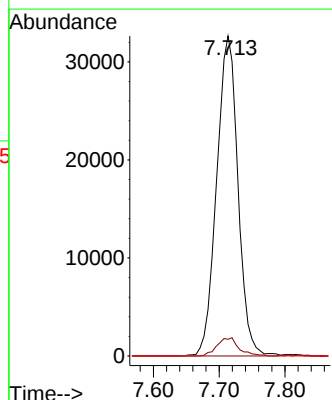
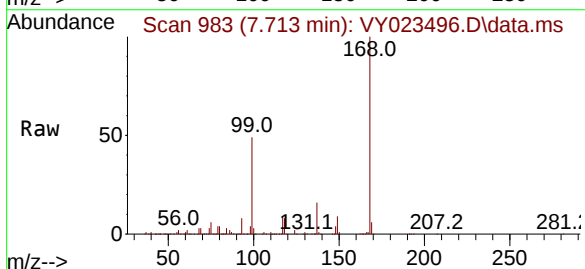
Tgt Ion: 117 Resp: 73685

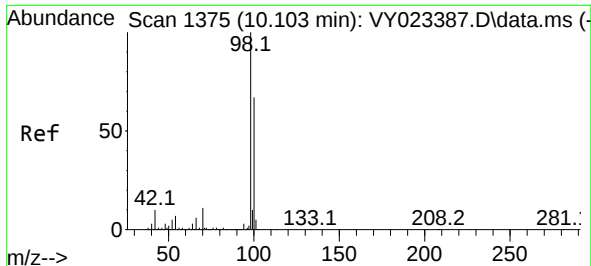
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#

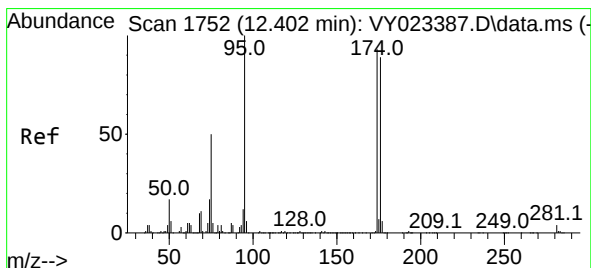
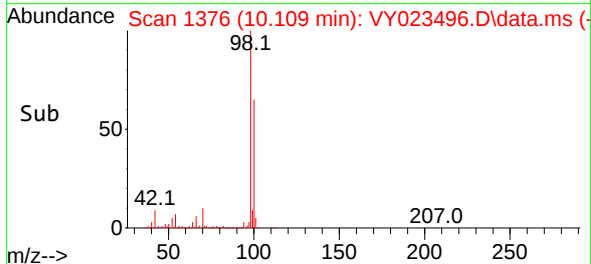
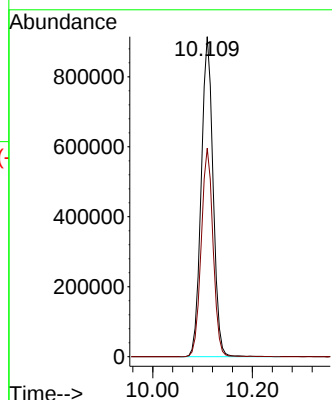
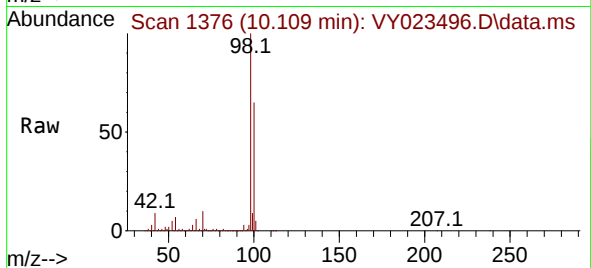




#50  
Toluene-d8  
Concen: 49.008 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

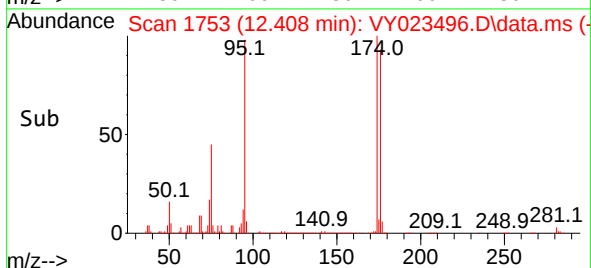
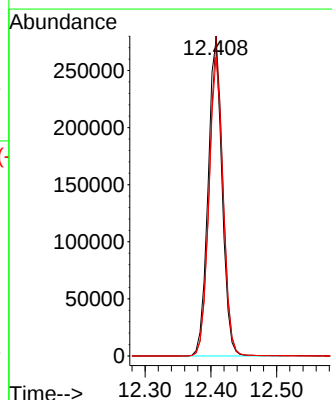
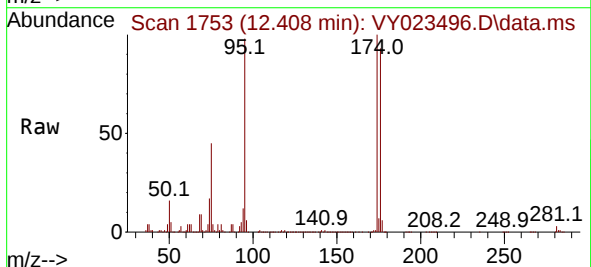
Instrument :  
MSVOA\_Y  
ClientSampleId :

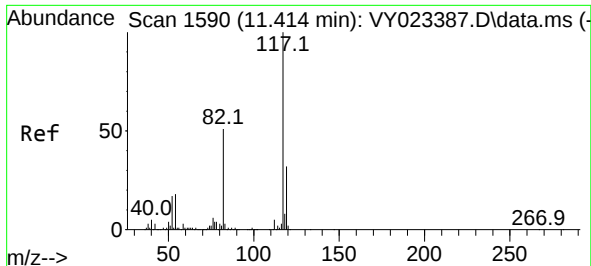
Tgt Ion: 98 Resp: 1507991  
Ion Ratio Lower Upper  
98 100  
100 65.1 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 40.592 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

Tgt Ion: 95 Resp: 412361  
Ion Ratio Lower Upper  
95 100  
174 98.7 0.0 192.8  
176 94.5 0.0 187.6

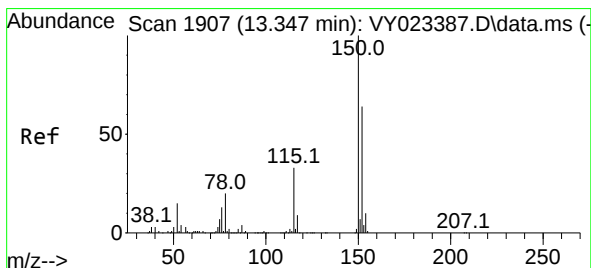
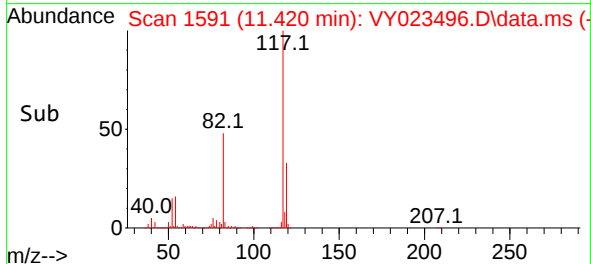
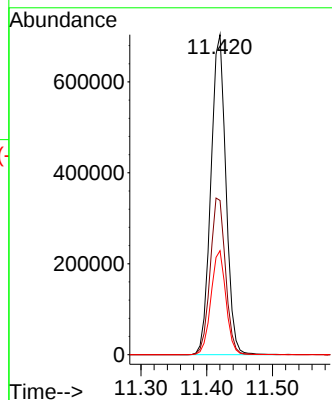
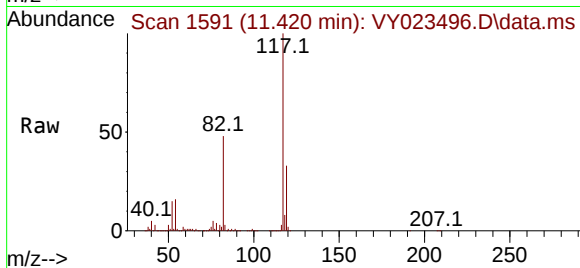




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

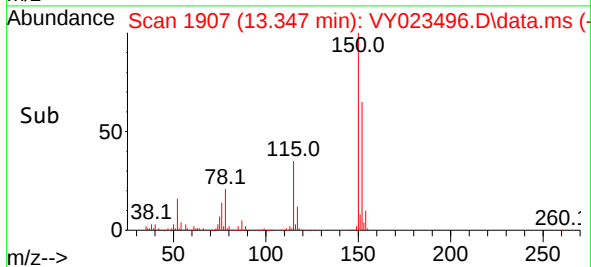
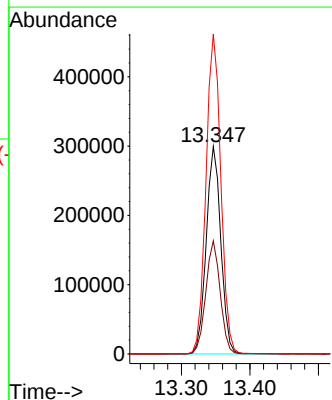
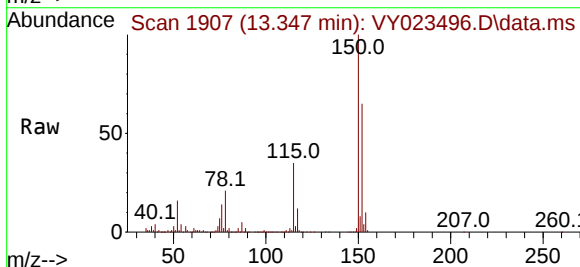
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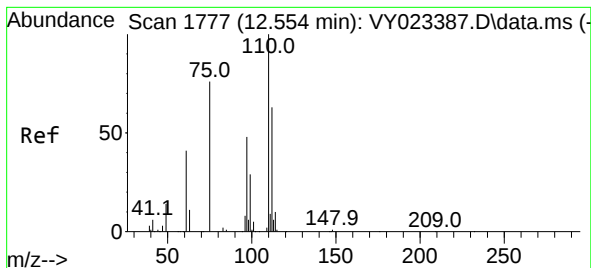
Tgt Ion:117 Resp: 1118365  
Ion Ratio Lower Upper  
117 100  
82 48.2 41.0 61.4  
119 32.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY023496.D  
Acq: 20 Oct 2025 09:37

Tgt Ion:152 Resp: 444219  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.1 81.2  
150 156.7 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 50.686 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023496.D

Acq: 20 Oct 2025 09:37

Instrument :

MSVOA\_Y

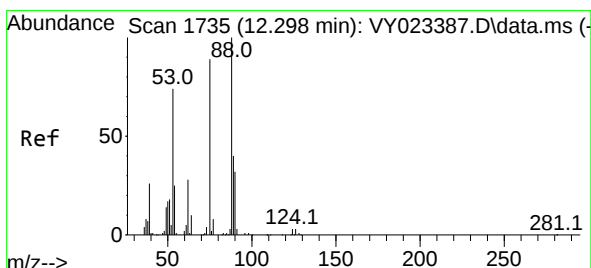
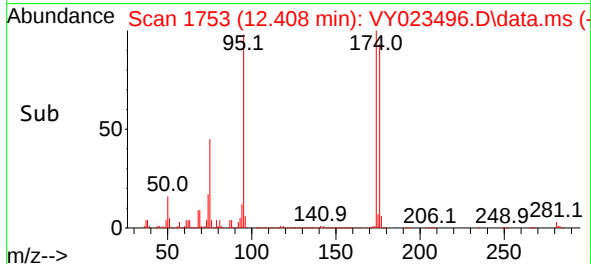
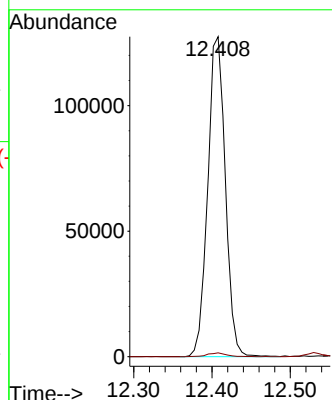
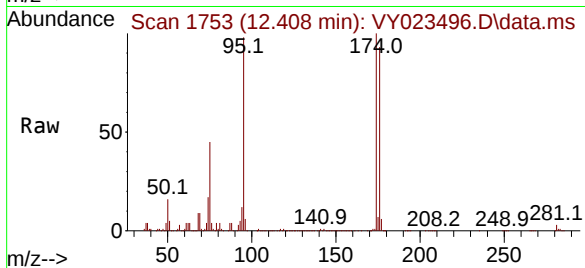
ClientSampleId :

Tgt Ion: 75 Resp: 198648

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.291 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023496.D

Acq: 20 Oct 2025 09:37

Tgt Ion: 75 Resp: 198648

Ion Ratio Lower Upper

75 100

53 0.2 68.6 102.8#

89 0.1 39.0 58.4#

