

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR080725\  
 Data File : VR026725.D  
 Acq On : 7 Aug 2025 14:00  
 Operator : SY/MD  
 Sample : VR0807WBL01  
 Misc : 5mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VR0807WBL01

Quant Time: Aug 08 01:39:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_R\methods\82R080425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 05 02:27:49 2025  
 Response via : Initial Calibration

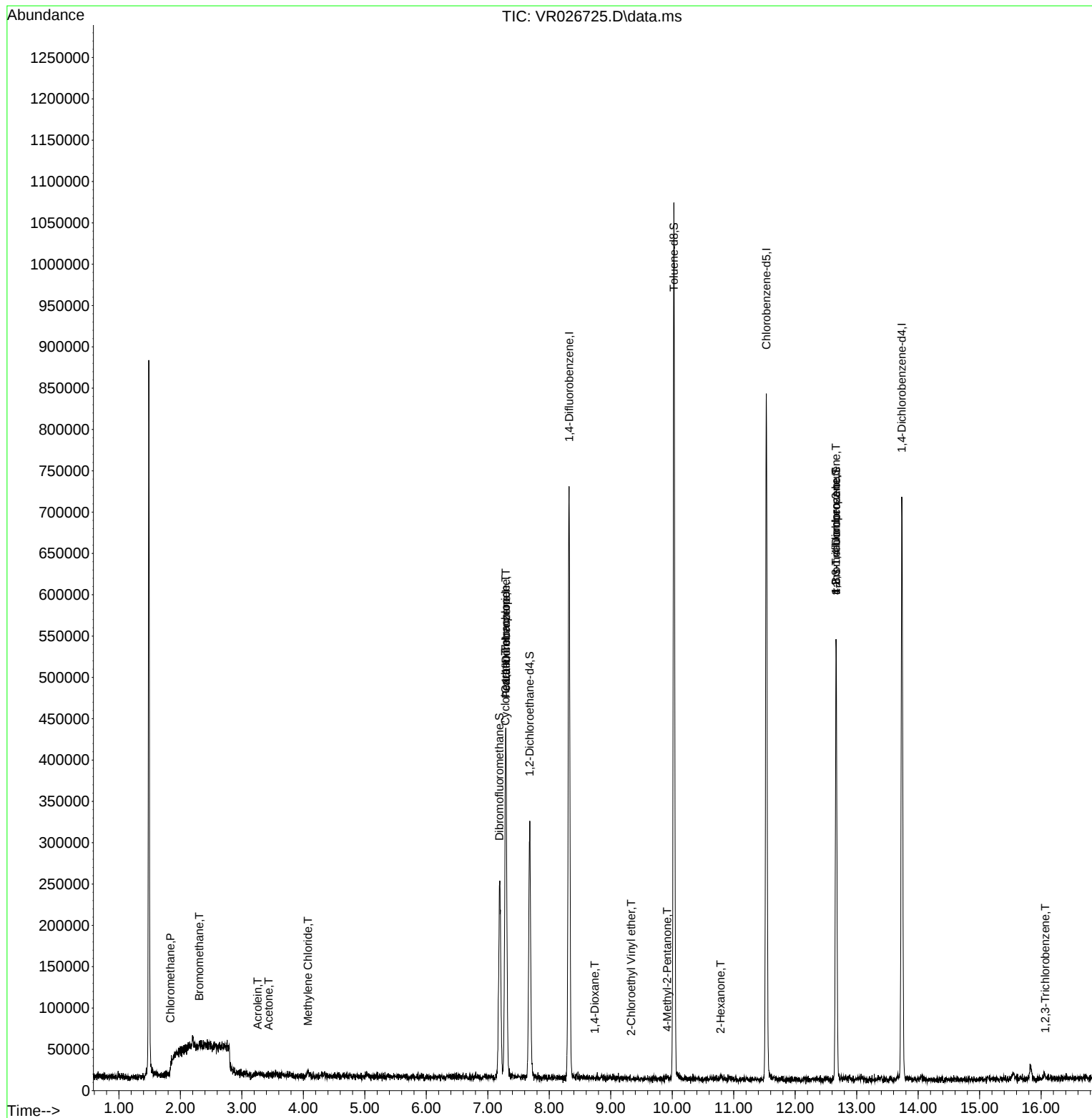
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.295          | 168  | 331889              | 50.000 | ug/l   | 0.00     |
| 33) 1,4-Difluorobenzene       | 8.322          | 114  | 623225              | 50.000 | ug/l   | 0.00     |
| 62) Chlorobenzene-d5          | 11.531         | 117  | 482948              | 50.000 | ug/l   | -0.01    |
| 71) 1,4-Dichlorobenzene-d4    | 13.732         | 152  | 215487              | 50.000 | ug/l   | -0.02    |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 32) 1,2-Dichloroethane-d4     | 7.683          | 65   | 216826              | 51.618 | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 103.240% |        |        |          |
| 34) Dibromofluoromethane      | 7.189          | 113  | 178732              | 46.367 | ug/l   | -0.02    |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 92.740%  |        |        |          |
| 49) Toluene-d8                | 10.026         | 98   | 693945              | 50.249 | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 100.500% |        |        |          |
| 61) 4-Bromofluorobenzene      | 12.663         | 95   | 181643              | 46.244 | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 92.480%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        | Qvalue |          |
| 3) Chloromethane              | 1.837          | 50   | 744                 | 0.207  | ug/l # | 86       |
| 5) Bromomethane               | 2.308          | 94   | 714                 | 0.399  | ug/l # | 4        |
| 13) Acrolein                  | 3.255          | 56   | 465                 | 0.484  | ug/l # | 82       |
| 16) Acetone                   | 3.435          | 43   | 963                 | 0.488  | ug/l # | 34       |
| 20) Methylene Chloride        | 4.076          | 84   | 1625                | 0.347  | ug/l # | 64       |
| 30) Cyclohexane               | 7.285          | 56   | 3172                | 0.477  | ug/l # | 38       |
| 35) 1,1-Dichloropropene       | 7.292          | 75   | 16543               | 3.402  | ug/l # | 56       |
| 37) Carbon Tetrachloride      | 7.289          | 117  | 19277               | 4.867  | ug/l # | 26       |
| 48) 1,4-Dioxane               | 8.739          | 88   | 161                 | 2.440  | ug/l   | 97       |
| 50) 4-Methyl-2-Pentanone      | 9.920          | 43   | 1033                | 0.211  | ug/l # | 54       |
| 57) 2-Chloroethyl Vinyl ether | 9.333          | 63   | 127                 | 0.426  | ug/l   | 91       |
| 58) 2-Hexanone                | 10.786         | 43   | 1015                | 0.308  | ug/l   | 76       |
| 75) 1,2,3-Trichloropropane    | 12.663         | 75   | 88834               | 24.870 | ug/l # | 100      |
| 80) trans-1,4-Dichloro-2-b... | 12.663         | 75   | 88834               | 72.435 | ug/l # | 16       |
| 95) 1,2,3-Trichlorobenzene    | 16.068         | 180  | 868                 | 0.234  | ug/l # | 18       |
| -----                         |                |      |                     |        |        |          |

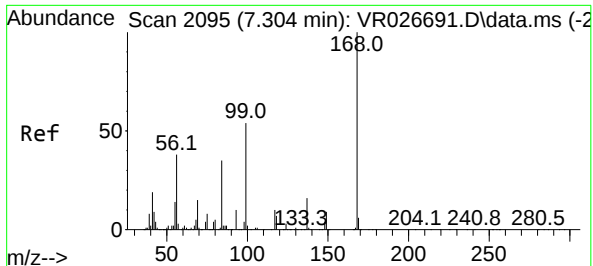
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR080725\  
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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Tue Aug 05 02:27:49 2025  
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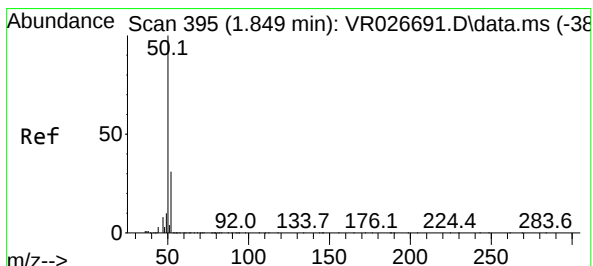
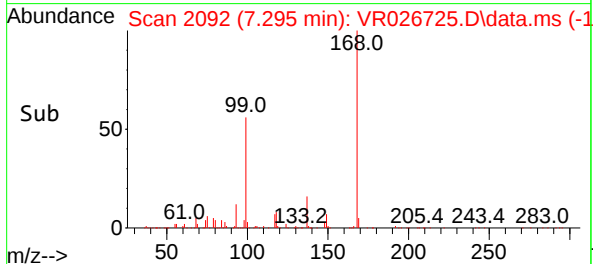
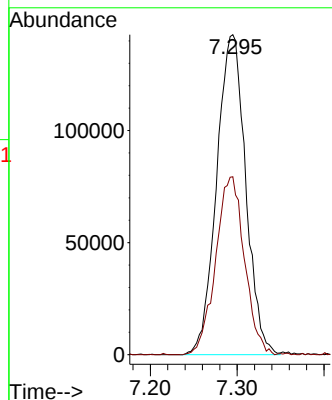
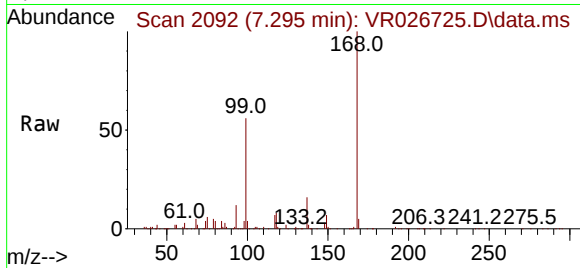




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.295 min Scan# 2095  
Delta R.T. -0.009 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

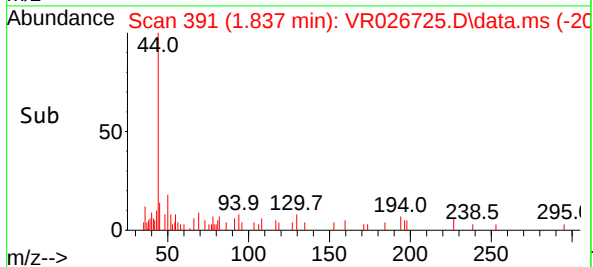
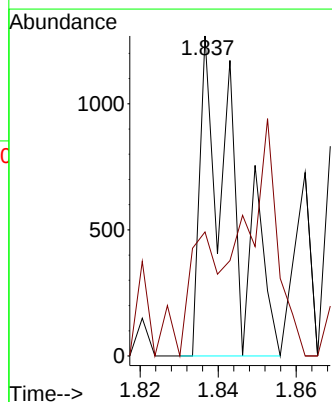
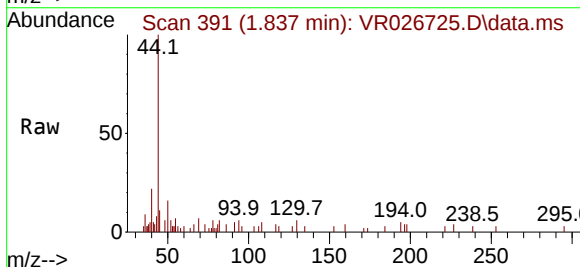
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

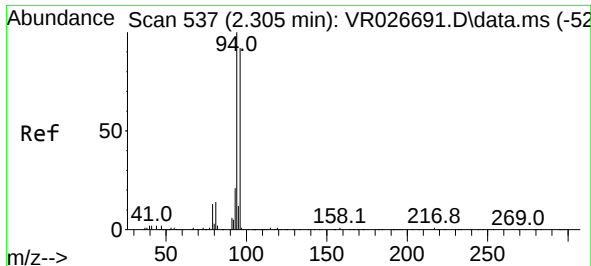
Tgt Ion:168 Resp: 331889  
Ion Ratio Lower Upper  
168 100  
99 55.6 43.8 65.8



#3  
Chloromethane  
Concen: 0.207 ug/l  
RT: 1.837 min Scan# 391  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 50 Resp: 744  
Ion Ratio Lower Upper  
50 100  
52 38.8 25.0 37.4#

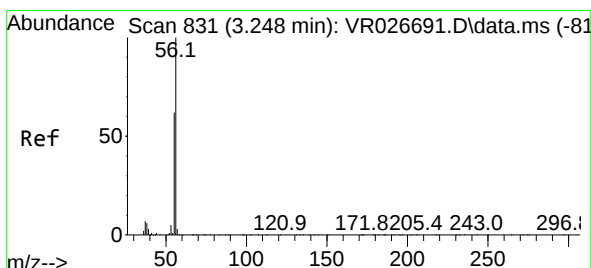
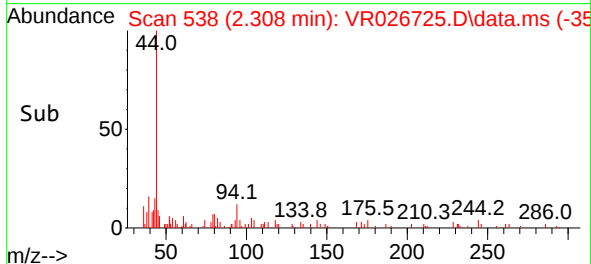
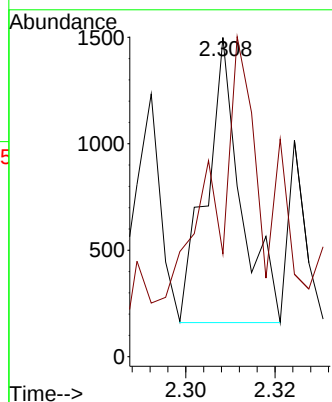
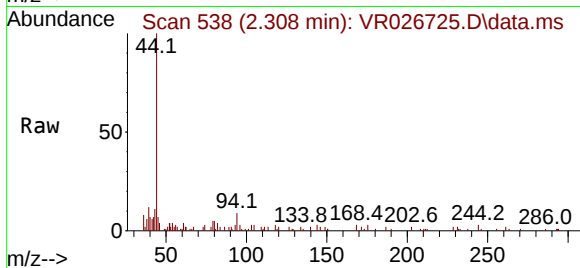




#5  
Bromomethane  
Concen: 0.399 ug/l  
RT: 2.308 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

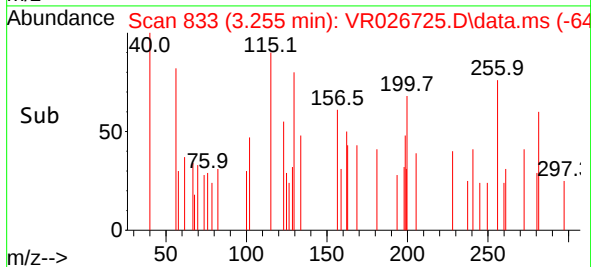
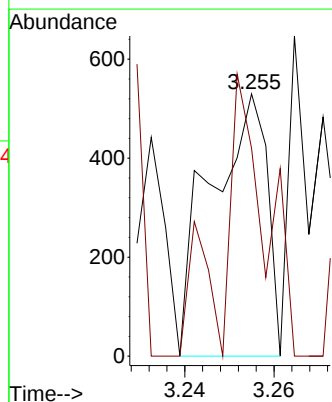
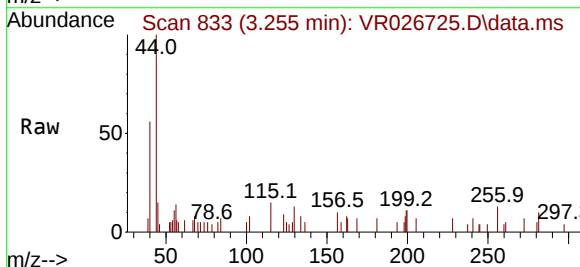
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

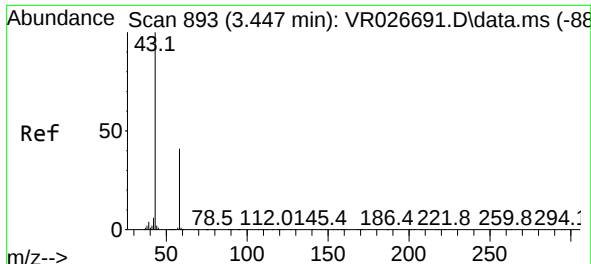
Tgt Ion: 94 Resp: 714  
Ion Ratio Lower Upper  
94 100  
96 0.0 73.3 109.9#



#13  
Acrolein  
Concen: 0.484 ug/l  
RT: 3.255 min Scan# 833  
Delta R.T. 0.007 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 56 Resp: 465  
Ion Ratio Lower Upper  
56 100  
55 81.7 53.8 80.8#

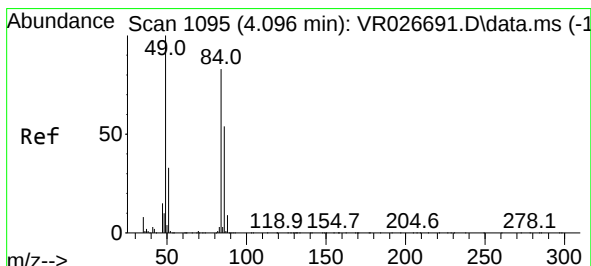
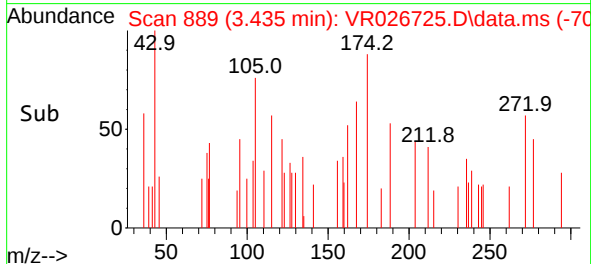
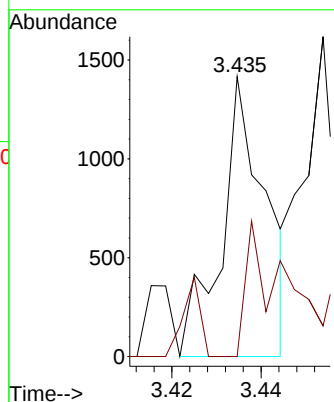
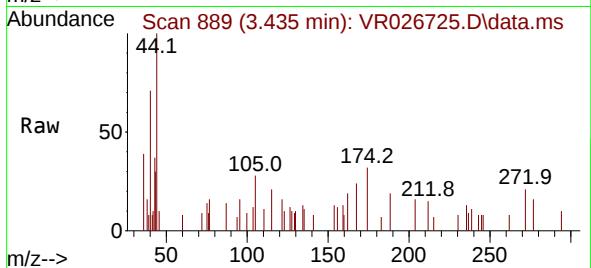




#16  
Acetone  
Concen: 0.488 ug/l  
RT: 3.435 min Scan# 893  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

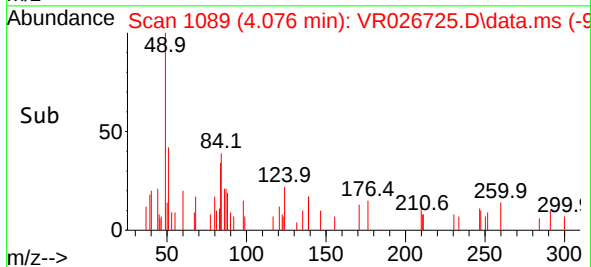
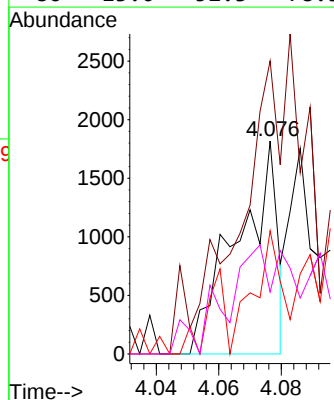
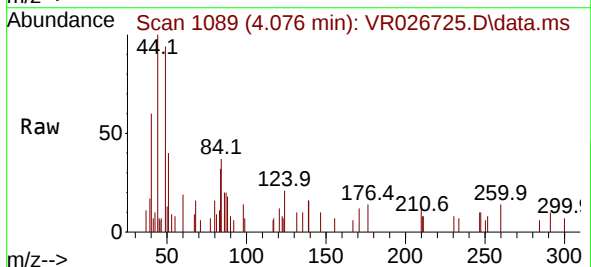
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

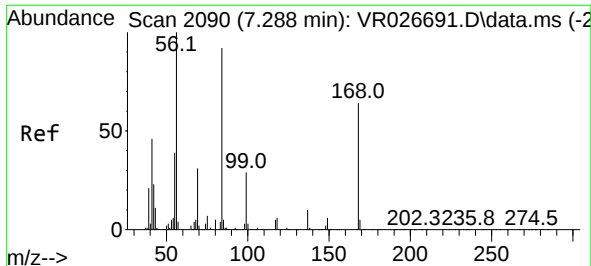
Tgt Ion: 43 Resp: 963  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.9 49.3#



#20  
Methylene Chloride  
Concen: 0.347 ug/l  
RT: 4.076 min Scan# 1089  
Delta R.T. -0.019 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 84 Resp: 1625  
Ion Ratio Lower Upper  
84 100  
49 96.0 96.2 144.4#  
51 57.9 31.8 47.6#  
86 13.0 52.3 78.5#

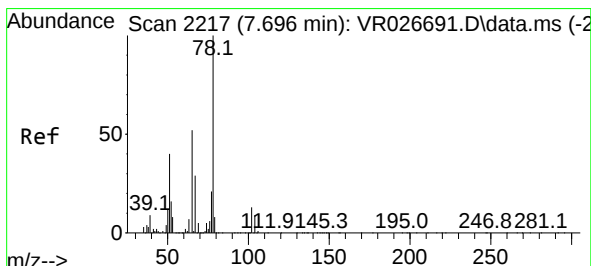
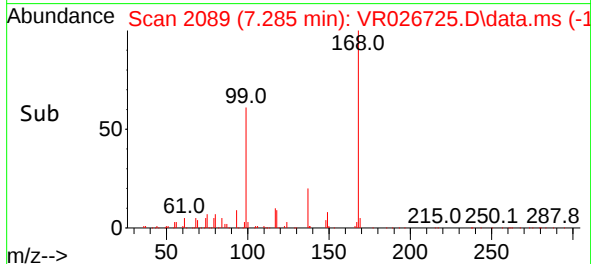
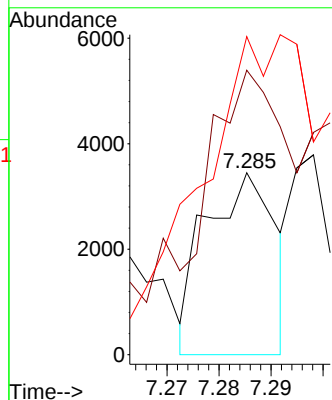
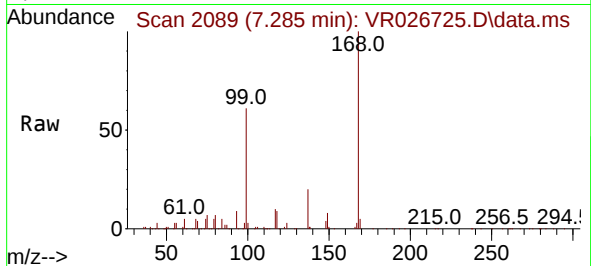




#30  
Cyclohexane  
Concen: 0.477 ug/l  
RT: 7.285 min Scan# 2090  
Delta R.T. -0.003 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

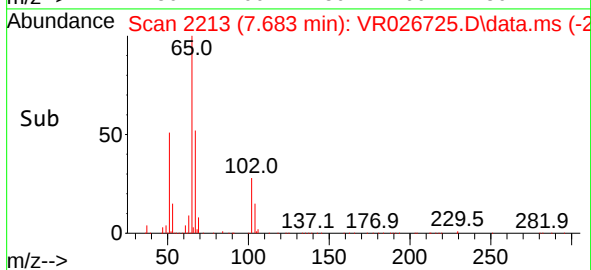
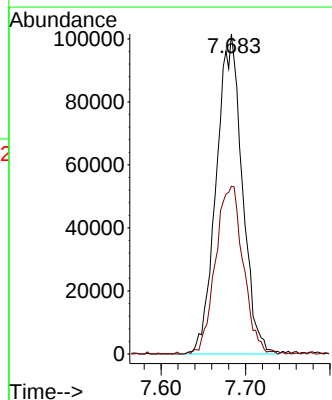
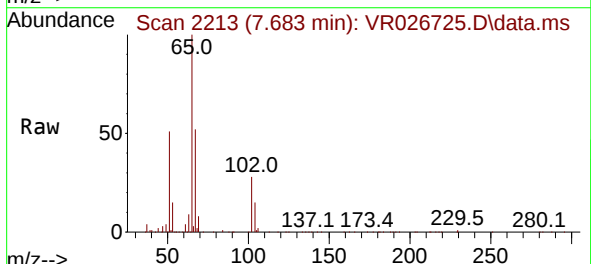
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

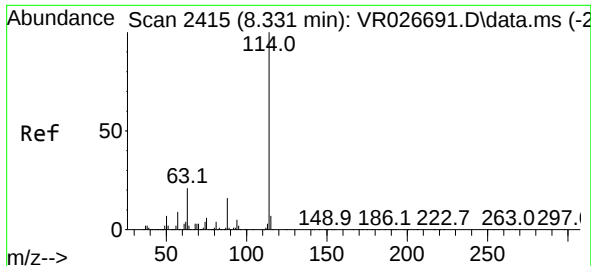
Tgt Ion: 56 Resp: 3172  
Ion Ratio Lower Upper  
56 100  
69 133.0 24.8 37.2#  
84 111.1 73.1 109.7#



#32  
1,2-Dichloroethane-d4  
Concen: 51.618 ug/l  
RT: 7.683 min Scan# 2213  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 65 Resp: 216826  
Ion Ratio Lower Upper  
65 100  
67 55.9 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.322 min Scan# 2415

Delta R.T. -0.010 min

Lab File: VR026725.D

Acq: 7 Aug 2025 14:00

Instrument :

MSVOA\_R

ClientSampleId :

VR0807WBL01

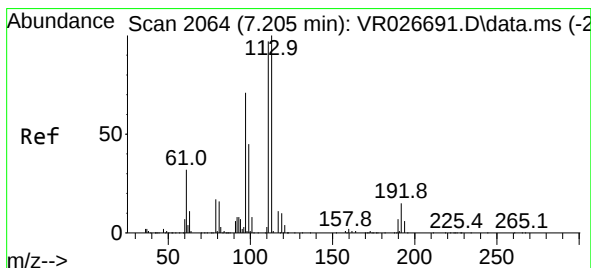
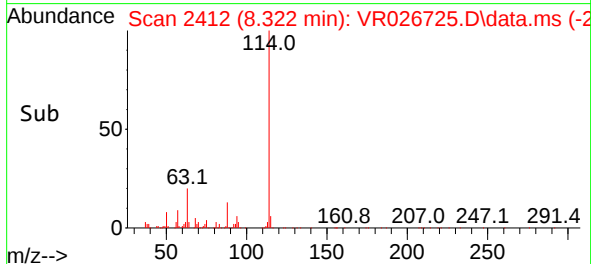
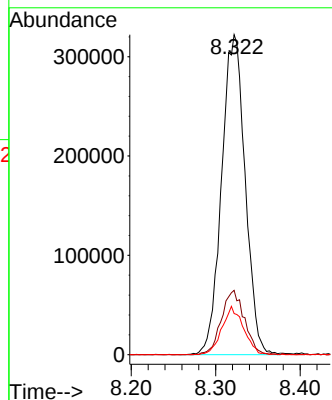
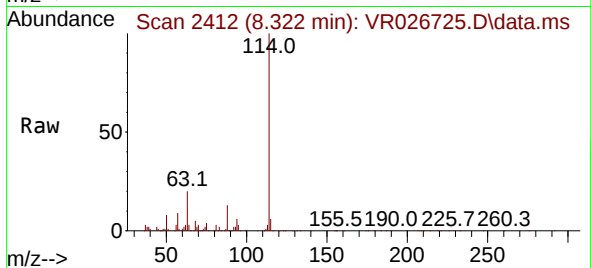
Tgt Ion:114 Resp: 623225

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

88 12.8 0.0 32.6



#34

Dibromofluoromethane

Concen: 46.367 ug/l

RT: 7.189 min Scan# 2059

Delta R.T. -0.016 min

Lab File: VR026725.D

Acq: 7 Aug 2025 14:00

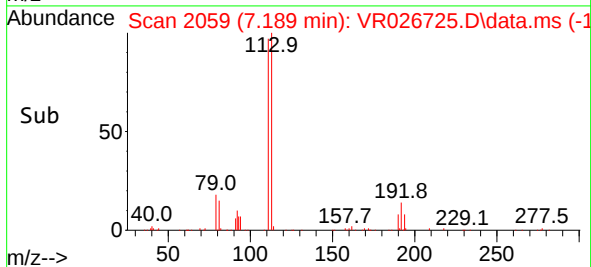
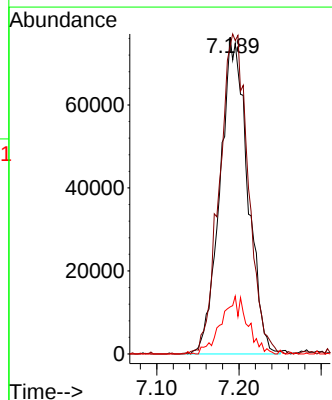
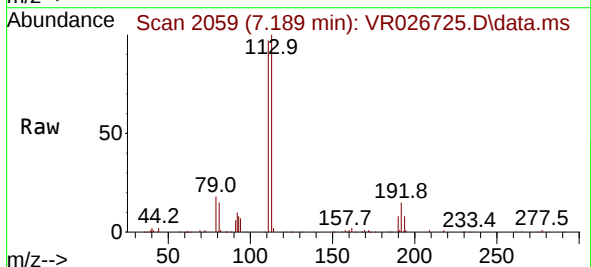
Tgt Ion:113 Resp: 178732

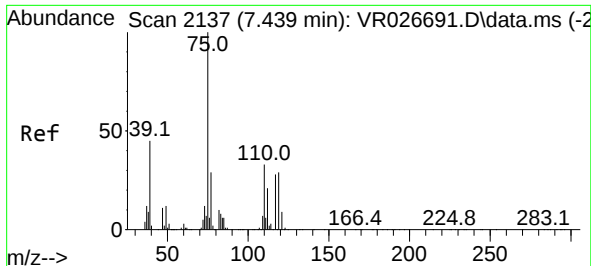
Ion Ratio Lower Upper

113 100

111 105.2 81.7 122.5

192 17.2 12.3 18.5

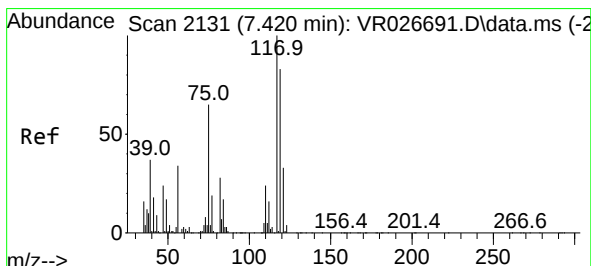
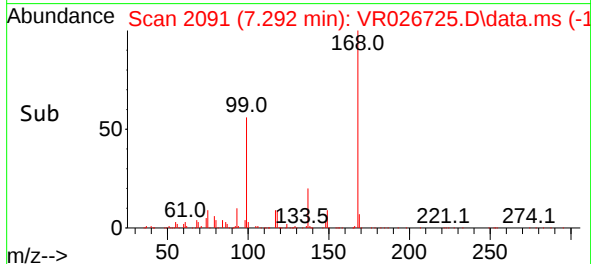
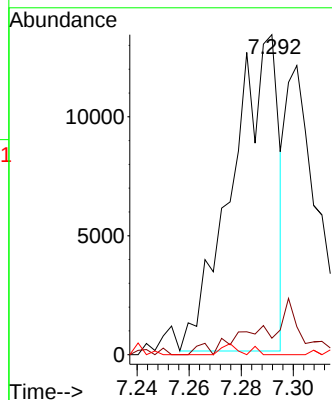
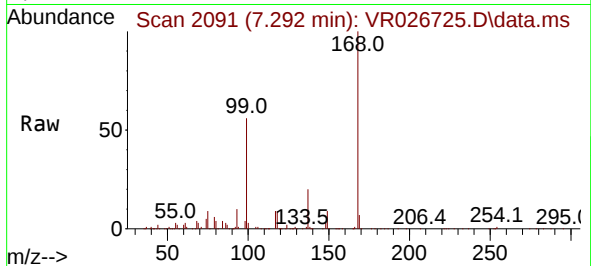




#35  
1,1-Dichloropropene  
Concen: 3.402 ug/l  
RT: 7.292 min Scan# 2091  
Delta R.T. -0.147 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

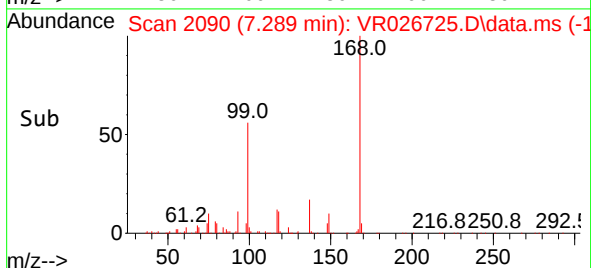
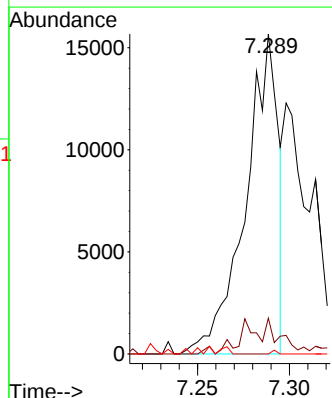
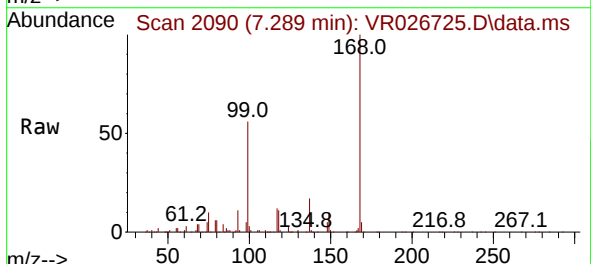
Instrument :  
MSVOA\_R  
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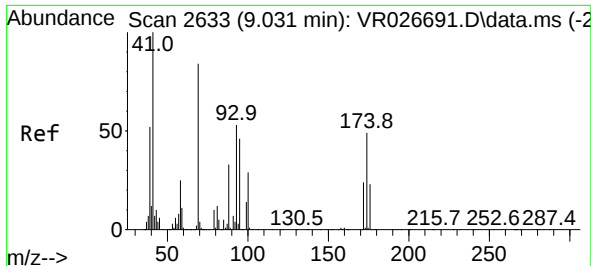
Tgt Ion: 75 Resp: 16543  
Ion Ratio Lower Upper  
75 100  
110 15.0 17.0 50.9#  
77 0.4 24.6 37.0#



#37  
Carbon Tetrachloride  
Concen: 4.867 ug/l  
RT: 7.289 min Scan# 2090  
Delta R.T. -0.131 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 117 Resp: 19277  
Ion Ratio Lower Upper  
117 100  
119 11.2 67.0 100.4#  
121 0.0 26.3 39.5#

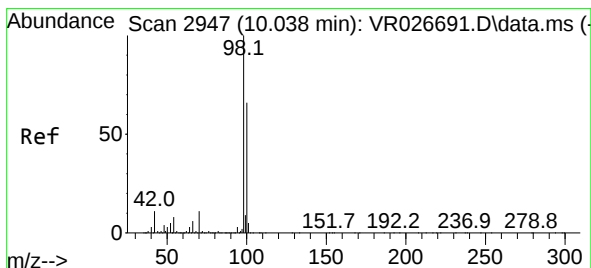
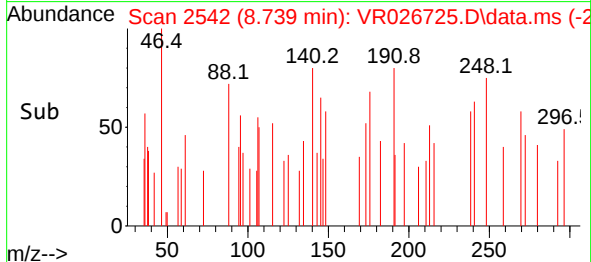
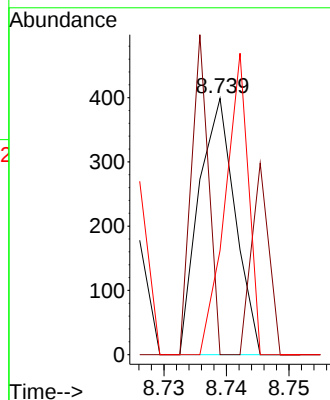
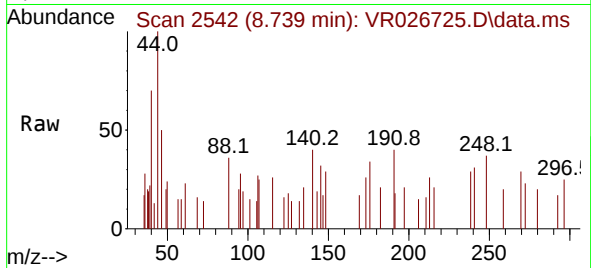




#48  
1,4-Dioxane  
Concen: 2.440 ug/l  
RT: 8.739 min Scan# 21  
Delta R.T. -0.292 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

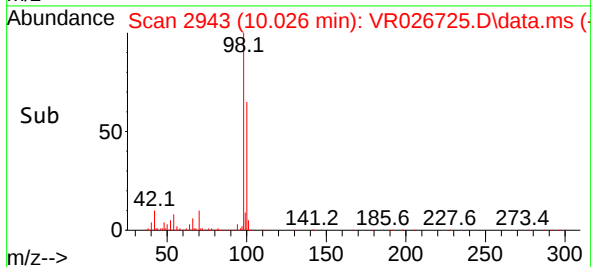
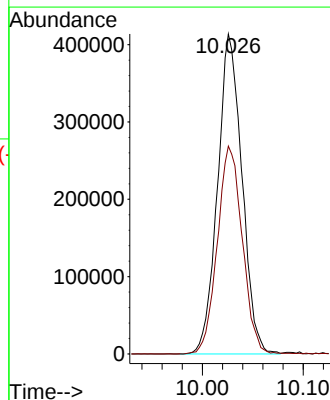
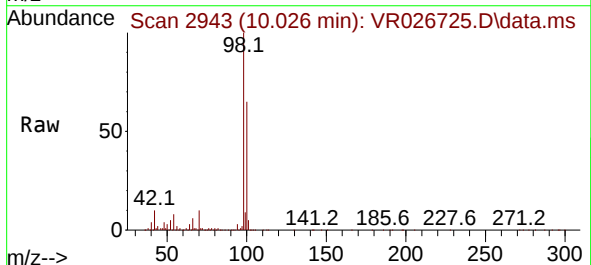
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

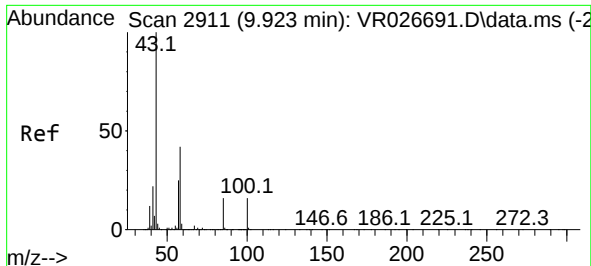
Tgt Ion: 88 Resp: 161  
Ion Ratio Lower Upper  
88 100  
43 35.4 25.2 37.8  
58 75.2 60.8 91.2



#49  
Toluene-d8  
Concen: 50.249 ug/l  
RT: 10.026 min Scan# 2943  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 98 Resp: 693945  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.9 80.9

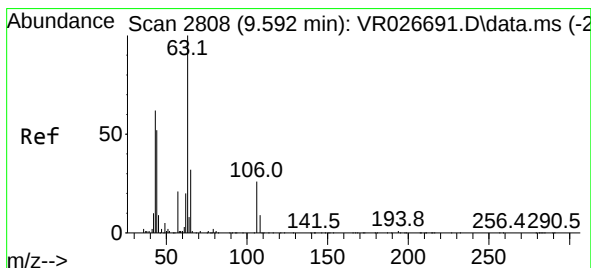
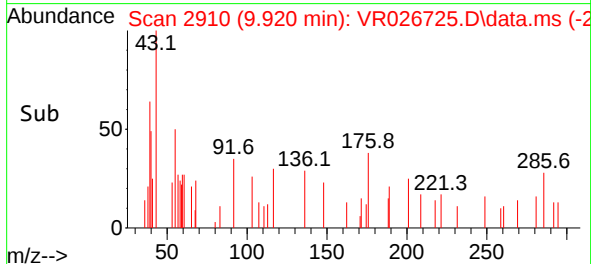
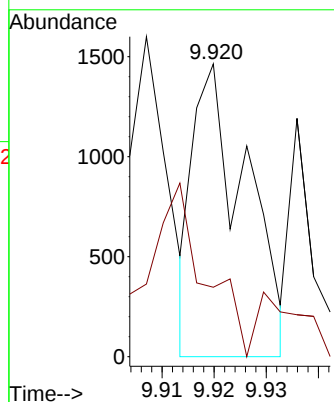
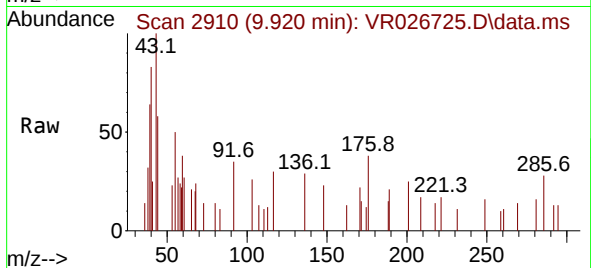




#50  
4-Methyl-2-Pentanone  
Concen: 0.211 ug/l  
RT: 9.920 min Scan# 2911  
Delta R.T. -0.003 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

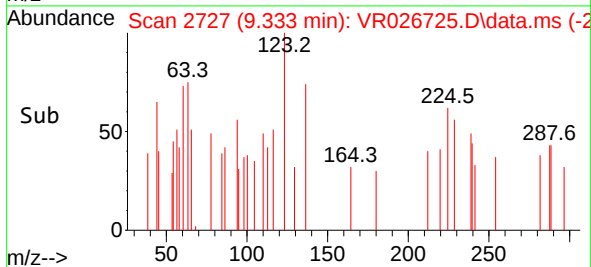
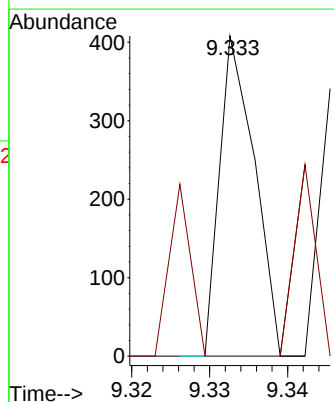
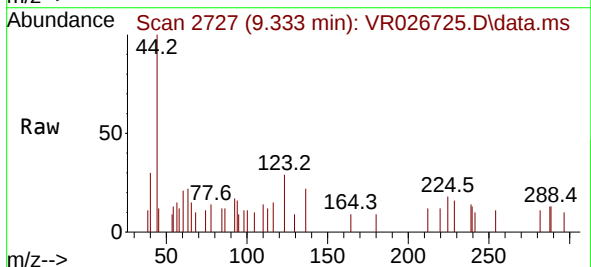
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

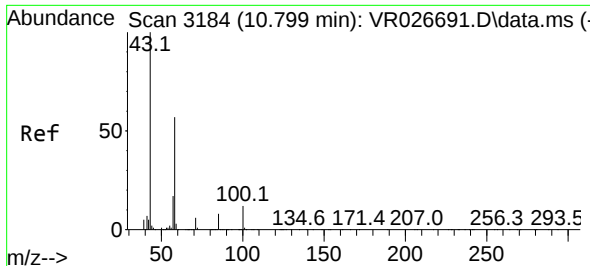
Tgt Ion: 43 Resp: 1033  
Ion Ratio Lower Upper  
43 100  
58 71.3 33.7 50.5#



#57  
2-Chloroethyl Vinyl ether  
Concen: 0.426 ug/l  
RT: 9.333 min Scan# 2727  
Delta R.T. -0.260 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 63 Resp: 127  
Ion Ratio Lower Upper  
63 100  
106 33.1 22.5 33.7

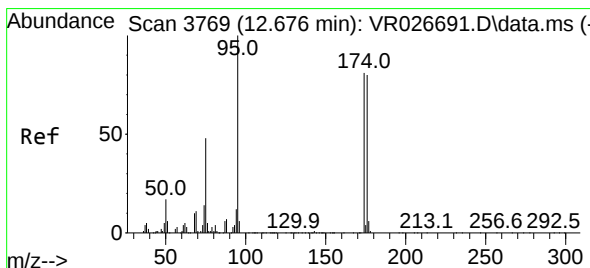
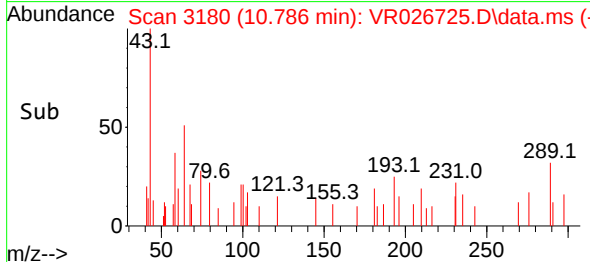
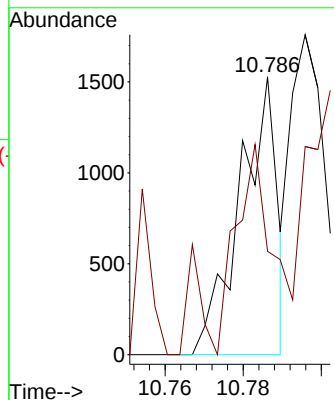
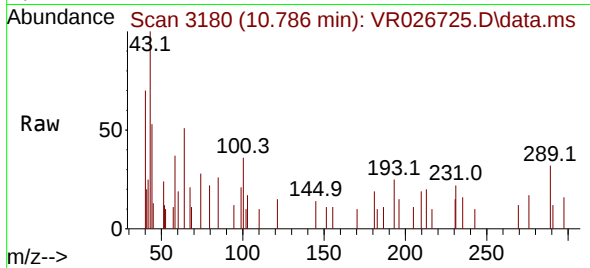




#58  
2-Hexanone  
Concen: 0.308 ug/l  
RT: 10.786 min Scan# 3184  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

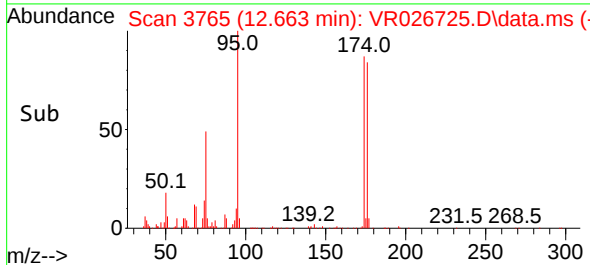
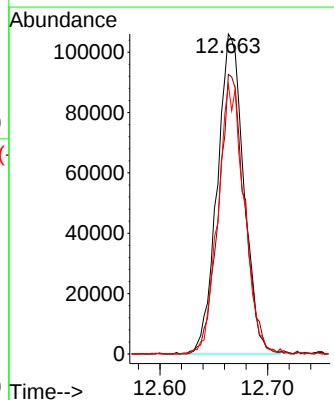
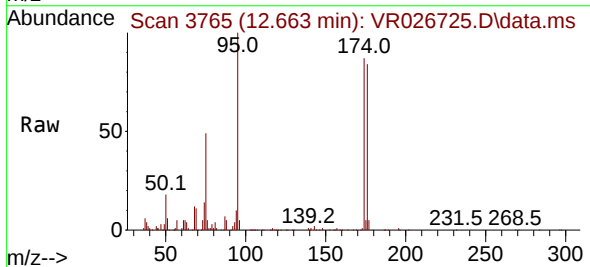
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

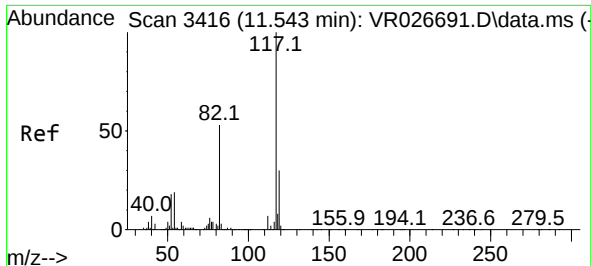
Tgt Ion: 43 Resp: 1015  
Ion Ratio Lower Upper  
43 100  
58 75.4 28.8 86.4



#61  
4-Bromofluorobenzene  
Concen: 46.244 ug/l  
RT: 12.663 min Scan# 3765  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 95 Resp: 181643  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 158.4  
176 83.3 0.0 149.0

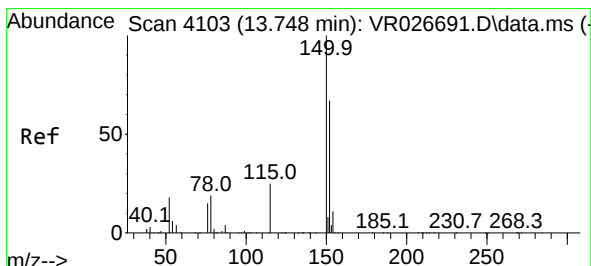
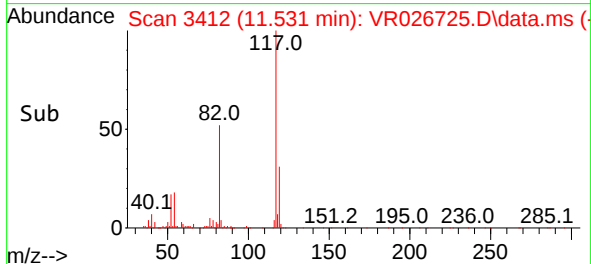
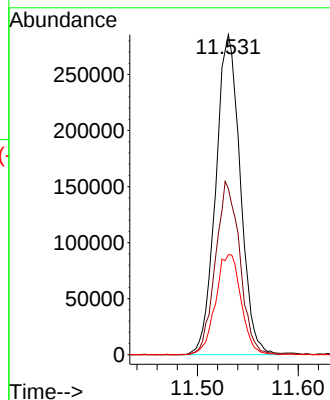
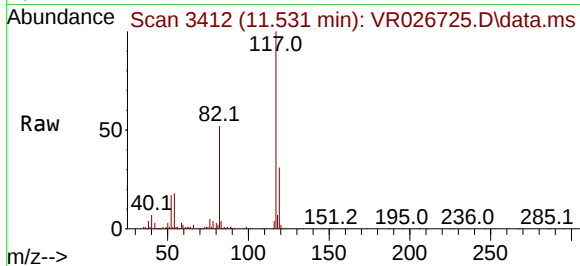




#62  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.531 min Scan# 3416  
Delta R.T. -0.013 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

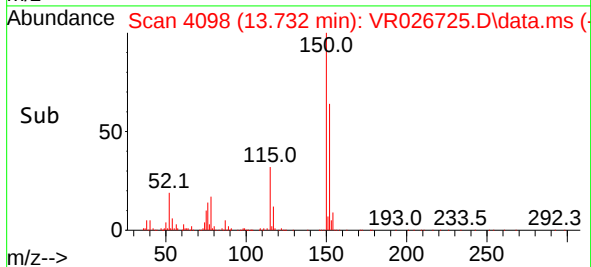
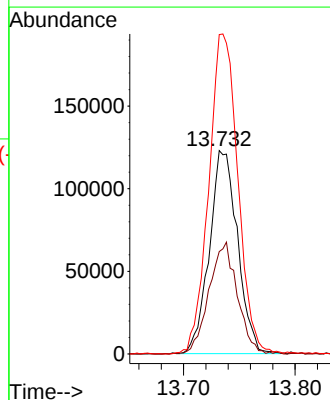
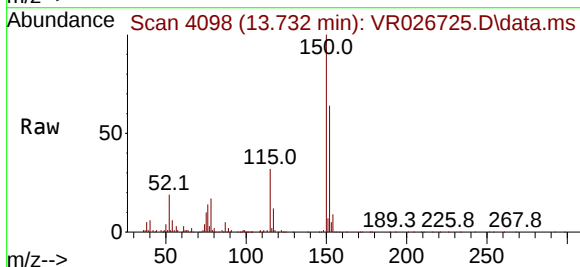
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

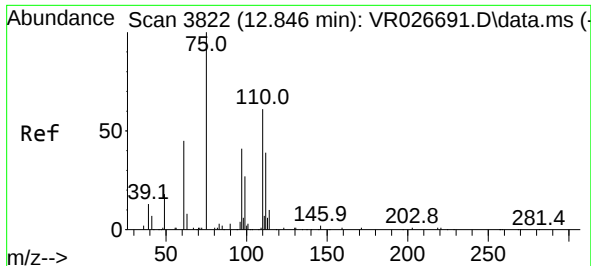
Tgt Ion:117 Resp: 482948  
Ion Ratio Lower Upper  
117 100  
82 51.8 42.0 63.0  
119 31.3 23.9 35.9



#71  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.732 min Scan# 4098  
Delta R.T. -0.016 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion:152 Resp: 215487  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.8 83.4  
150 163.0 0.0 350.4

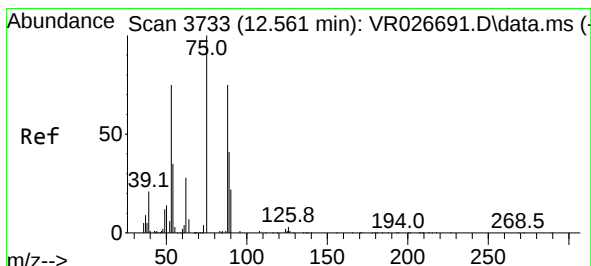
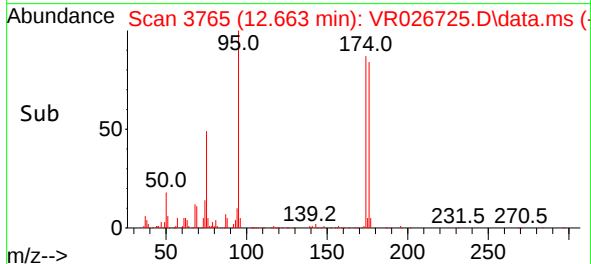
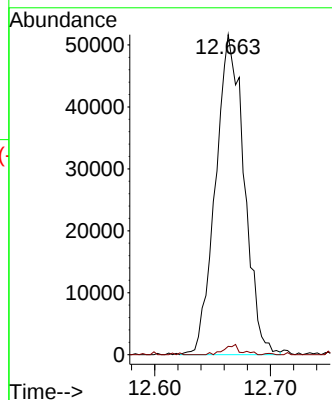
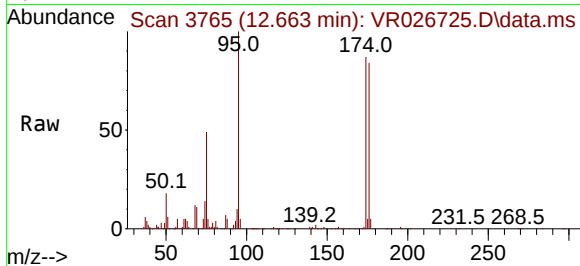




#75  
1,2,3-Trichloropropane  
Concen: 24.870 ug/l  
RT: 12.663 min Scan# 3765  
Delta R.T. -0.183 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

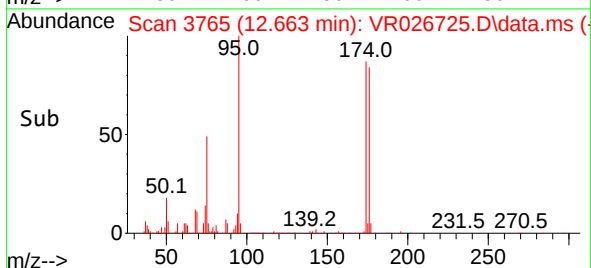
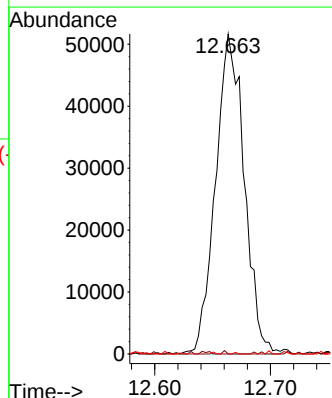
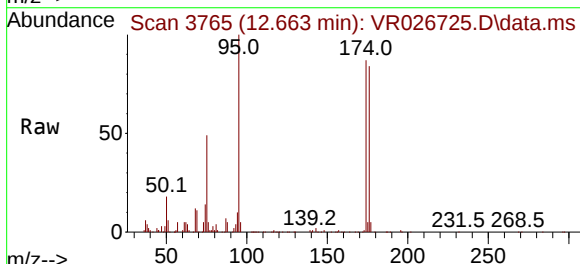
Instrument :  
MSVOA\_R  
ClientSampleId :  
VR0807WBL01

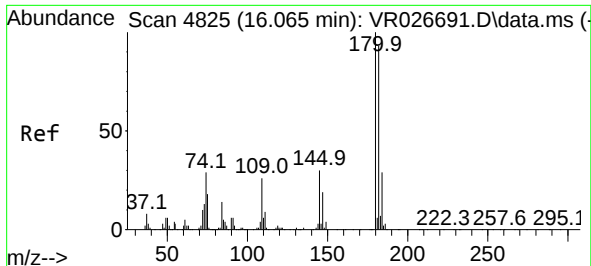
Tgt Ion: 75 Resp: 88834  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#80  
trans-1,4-Dichloro-2-butene  
Concen: 72.435 ug/l  
RT: 12.663 min Scan# 3765  
Delta R.T. 0.103 min  
Lab File: VR026725.D  
Acq: 7 Aug 2025 14:00

Tgt Ion: 75 Resp: 88834  
Ion Ratio Lower Upper  
75 100  
53 0.1 67.8 101.6#  
89 0.1 34.6 52.0#





#95

1,2,3-Trichlorobenzene

Concen: 0.234 ug/l

RT: 16.068 min Scan# 41

Delta R.T. 0.003 min

Lab File: VR026725.D

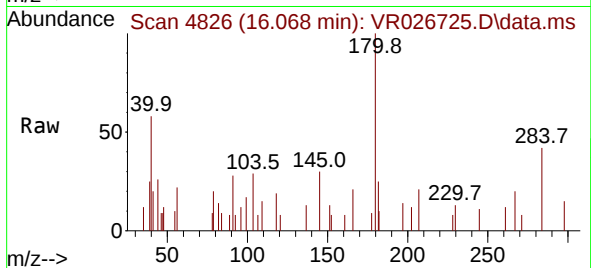
Acq: 7 Aug 2025 14:00

Instrument :

MSVOA\_R

ClientSampleId :

VR0807WBL01



Tgt Ion:180 Resp: 868

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 180 | 100   |       |        |
| 182 | 0.0   | 47.2  | 141.6# |
| 145 | 13.0  | 15.5  | 46.5#  |

