

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102025\  
 Data File : VW032386.D  
 Acq On : 20 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : Q3375-04  
 Misc : 3.83g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PR132-S02-010074-20251016

Quant Time: Oct 21 01:27:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W100125S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 02 21:24:16 2025  
 Response via : Initial Calibration

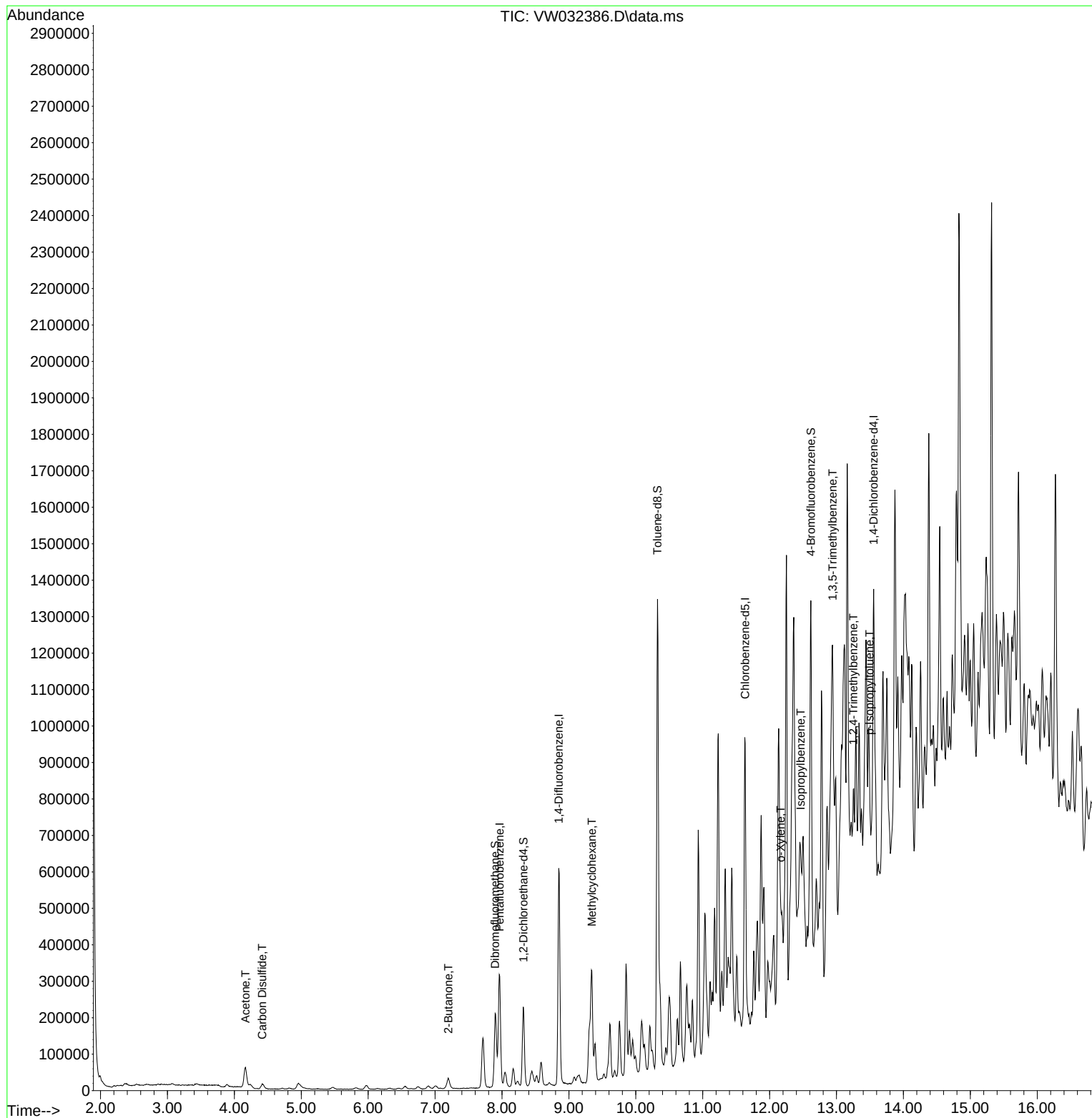
| Compound                    | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                       |                |      |                     |         |       |          |
| Internal Standards          |                |      |                     |         |       |          |
| 1) Pentafluorobenzene       | 7.965          | 168  | 206211              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.849          | 114  | 455416              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.635         | 117  | 446070              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.556         | 152  | 201731              | 50.000  | ug/l  | 0.00     |
|                             |                |      |                     |         |       |          |
| System Monitoring Compounds |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.319          | 65   | 175562              | 58.371  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 63 - 155 |      | Recovery = 116.740% |         |       |          |
| 35) Dibromofluoromethane    | 7.898          | 113  | 153891              | 52.178  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 70 - 134 |      | Recovery = 104.360% |         |       |          |
| 50) Toluene-d8              | 10.324         | 98   | 600394              | 55.156  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 123 |      | Recovery = 110.320% |         |       |          |
| 62) 4-Bromofluorobenzene    | 12.617         | 95   | 253220              | 61.546  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 17 - 146 |      | Recovery = 123.100% |         |       |          |
|                             |                |      |                     |         |       |          |
| Target Compounds            |                |      |                     |         |       | Qvalue   |
| 16) Acetone                 | 4.167          | 43   | 105839              | 127.086 | ug/l  | 100      |
| 17) Carbon Disulfide        | 4.417          | 76   | 32152               | 5.070   | ug/l  | 99       |
| 25) 2-Butanone              | 7.197          | 43   | 42528               | 37.494  | ug/l  | 98       |
| 39) Methylcyclohexane       | 9.343          | 83   | 116306              | 23.165  | ug/l  | 90       |
| 69) o-Xylene                | 12.166         | 106  | 23400               | 3.966   | ug/l  | 88       |
| 73) Isopropylbenzene        | 12.464         | 105  | 84352               | 6.112   | ug/l  | 97       |
| 80) 1,3,5-Trimethylbenzene  | 12.940         | 105  | 56556               | 4.739   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.251         | 105  | 106240              | 8.755   | ug/l  | 100      |
| 86) p-Isopropyltoluene      | 13.495         | 119  | 40794               | 3.286   | ug/l  | 95       |
| -----                       |                |      |                     |         |       |          |

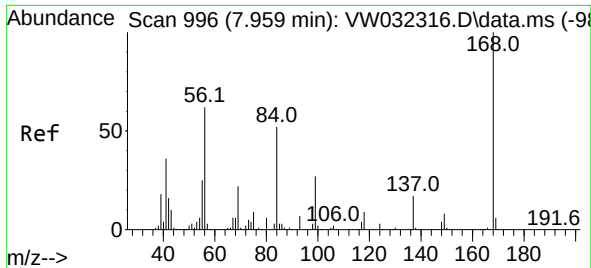
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102025\  
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ALS Vial : 11 Sample Multiplier: 1

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PR132-S02-010074-20251016

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W100125S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 02 21:24:16 2025  
Response via : Initial Calibration

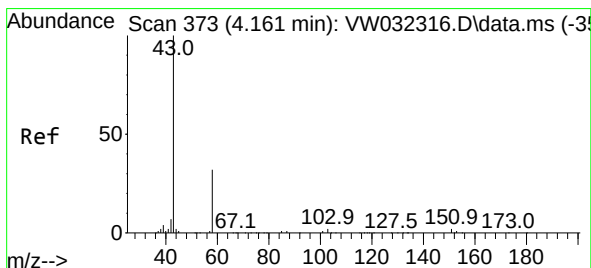
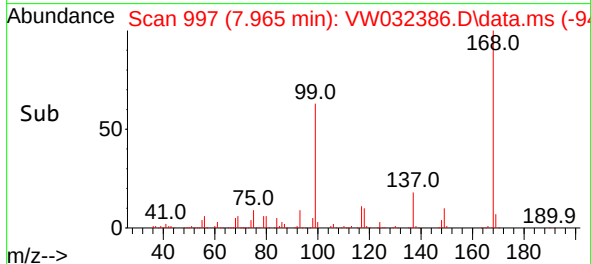
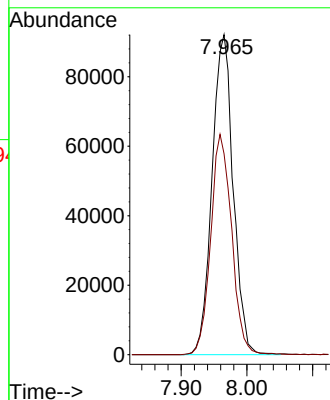
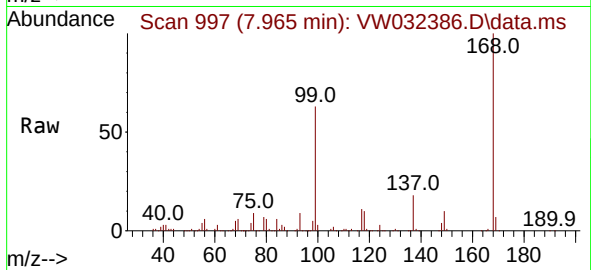




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

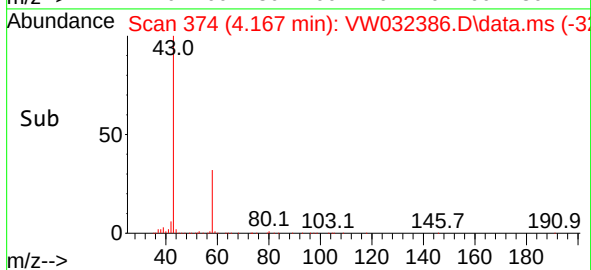
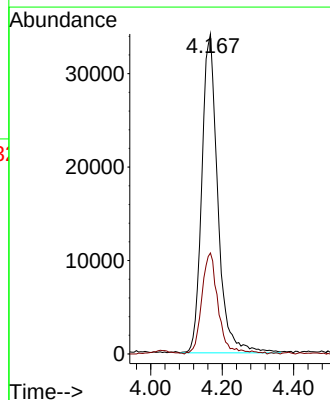
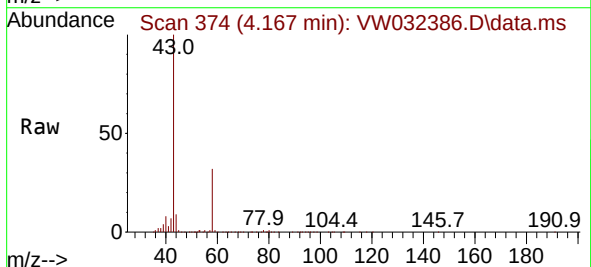
Instrument :  
MSVOA\_W  
ClientSampleId :  
PR132-S02-010074-20251016

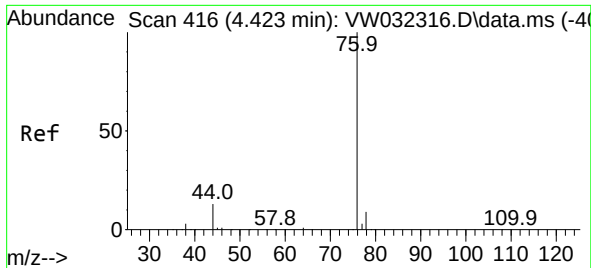
Tgt Ion:168 Resp: 206211  
Ion Ratio Lower Upper  
168 100  
99 62.8 49.3 73.9



#16  
Acetone  
Concen: 127.086 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. 0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion: 43 Resp: 105839  
Ion Ratio Lower Upper  
43 100  
58 31.7 25.3 37.9

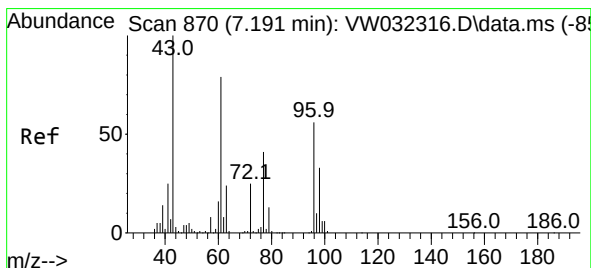
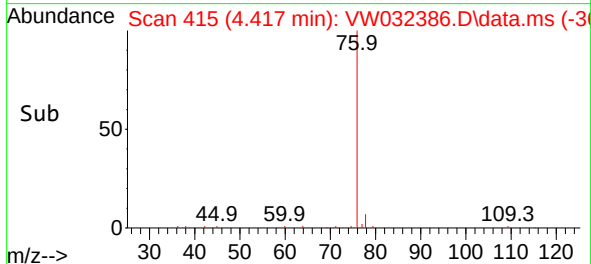
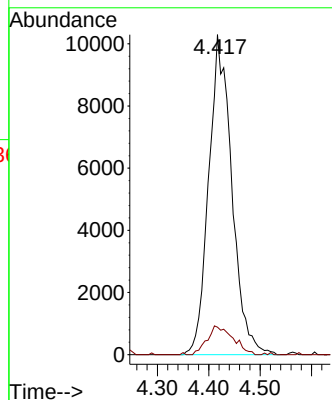
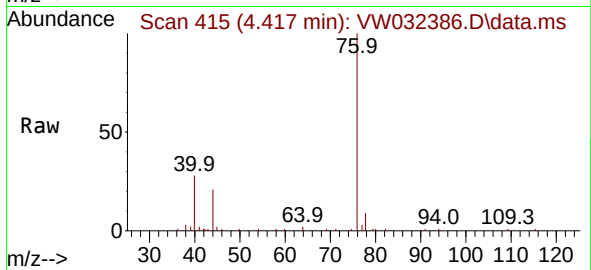




#17  
Carbon Disulfide  
Concen: 5.070 ug/l  
RT: 4.417 min Scan# 416  
Delta R.T. -0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

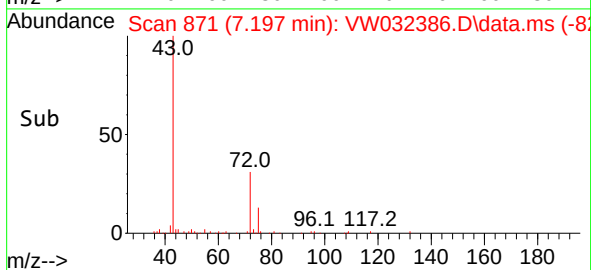
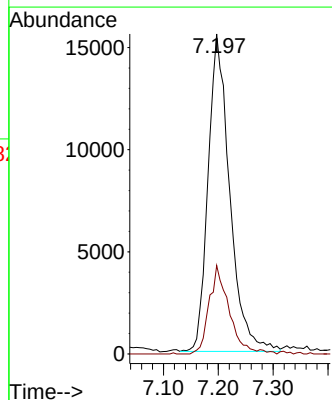
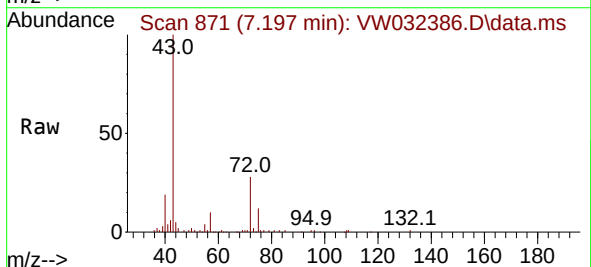
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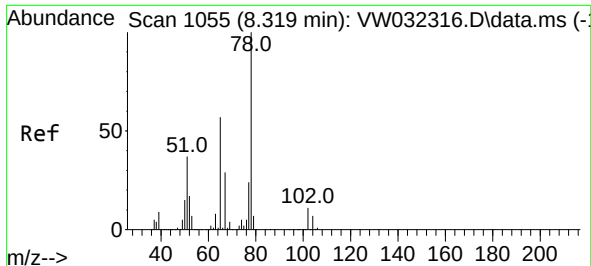
Tgt Ion: 76 Resp: 32152  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.6



#25  
2-Butanone  
Concen: 37.494 ug/l  
RT: 7.197 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion: 43 Resp: 42528  
Ion Ratio Lower Upper  
43 100  
72 27.9 21.4 32.2





#33

1,2-Dichloroethane-d4

Concen: 58.371 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032386.D

Acq: 20 Oct 2025 14:12

Instrument :

MSVOA\_W

ClientSampleId :

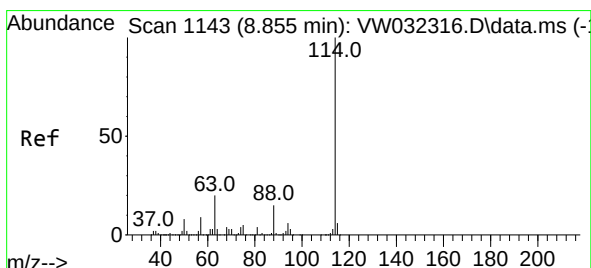
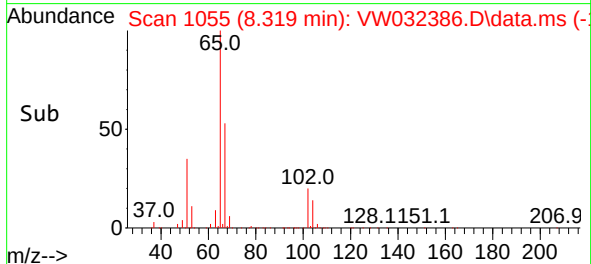
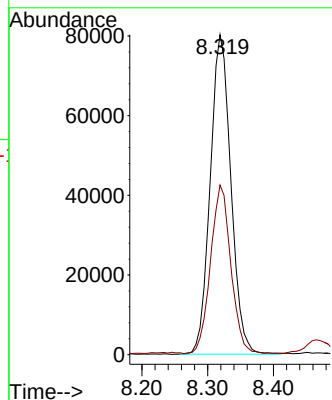
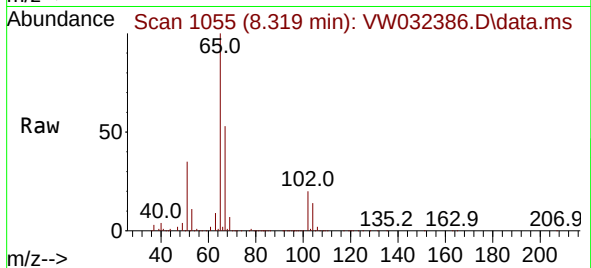
PR132-S02-010074-20251016

Tgt Ion: 65 Resp: 175562

Ion Ratio Lower Upper

65 100

67 51.7 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032386.D

Acq: 20 Oct 2025 14:12

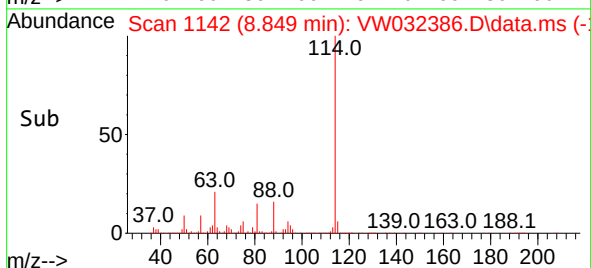
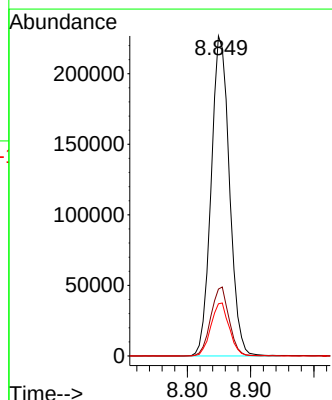
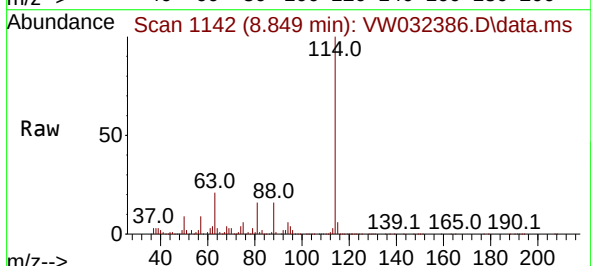
Tgt Ion: 114 Resp: 455416

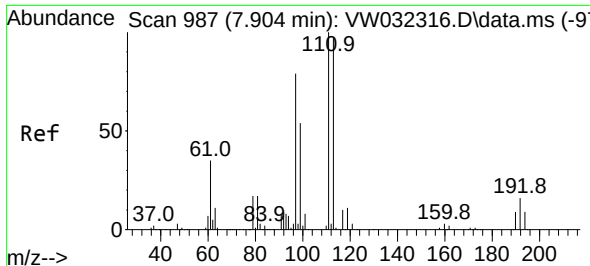
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.4

88 16.3 0.0 32.0

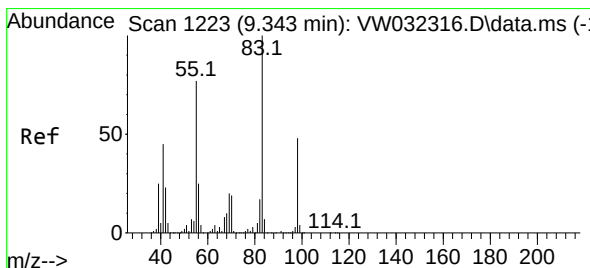
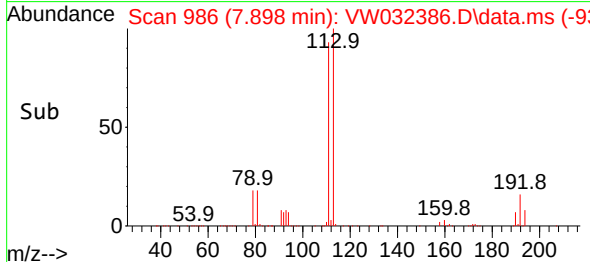
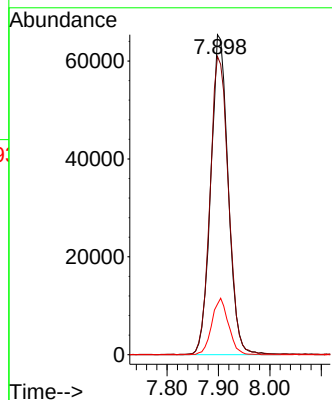
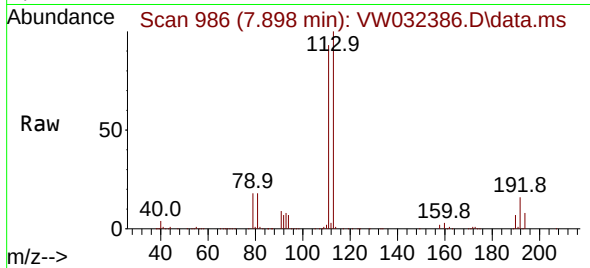




#35  
 Dibromofluoromethane  
 Concen: 52.178 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW032386.D  
 Acq: 20 Oct 2025 14:12

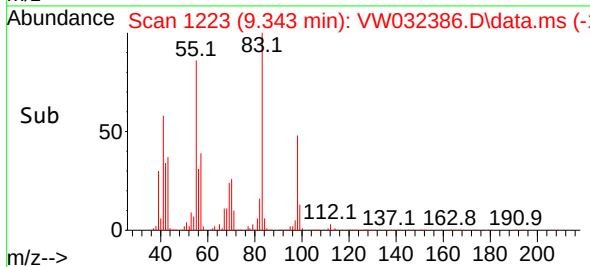
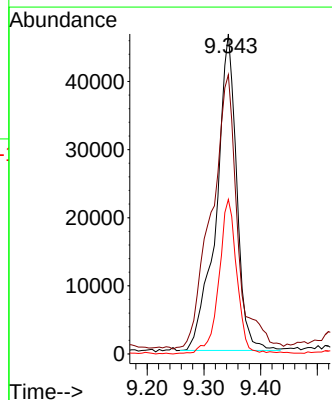
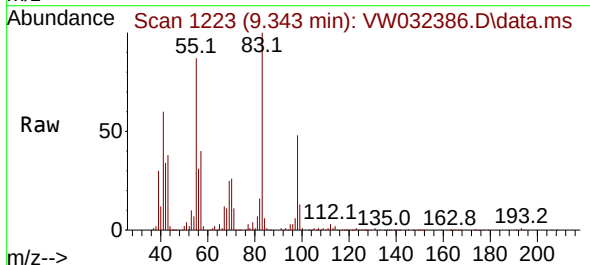
Instrument :  
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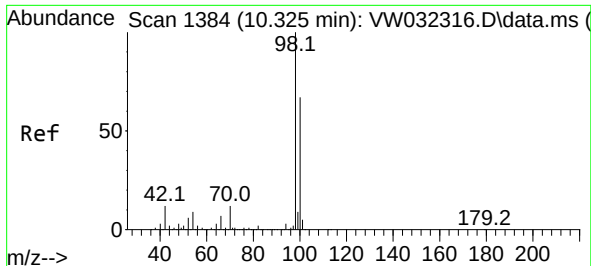
Tgt Ion:113 Resp: 153891  
 Ion Ratio Lower Upper  
 113 100  
 111 98.5 83.9 125.9  
 192 16.9 14.6 21.8



#39  
 Methylcyclohexane  
 Concen: 23.165 ug/l  
 RT: 9.343 min Scan# 1223  
 Delta R.T. -0.000 min  
 Lab File: VW032386.D  
 Acq: 20 Oct 2025 14:12

Tgt Ion: 83 Resp: 116306  
 Ion Ratio Lower Upper  
 83 100  
 55 86.0 58.4 87.6  
 98 48.6 39.4 59.2

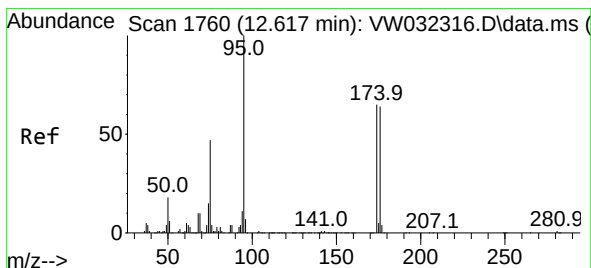
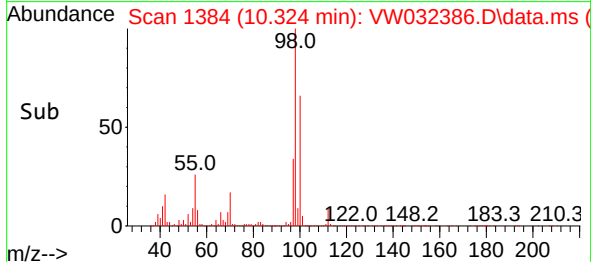
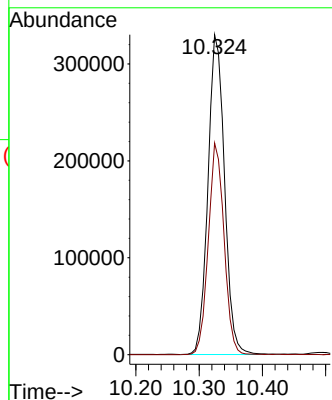
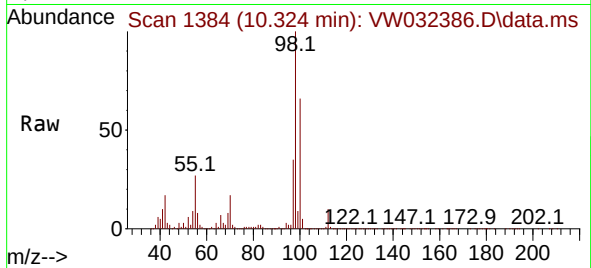




#50  
Toluene-d8  
Concen: 55.156 ug/l  
RT: 10.324 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

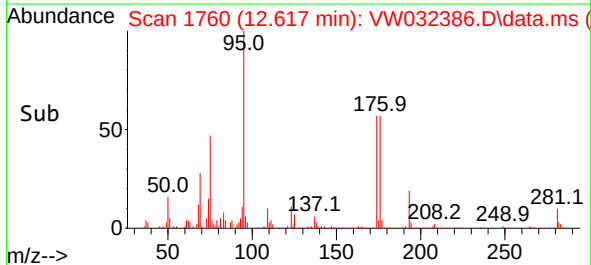
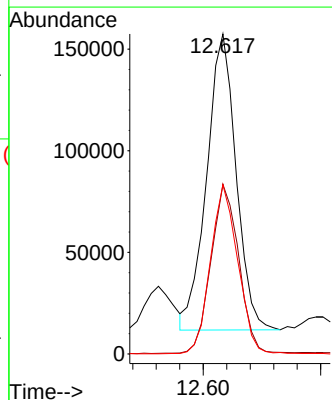
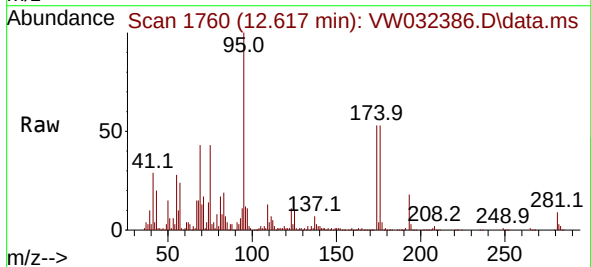
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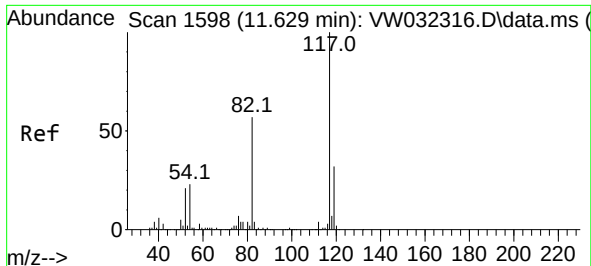
Tgt Ion: 98 Resp: 600394  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.4 77.2



#62  
4-Bromofluorobenzene  
Concen: 61.546 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion: 95 Resp: 253220  
Ion Ratio Lower Upper  
95 100  
174 54.3 0.0 145.6  
176 53.3 0.0 140.8

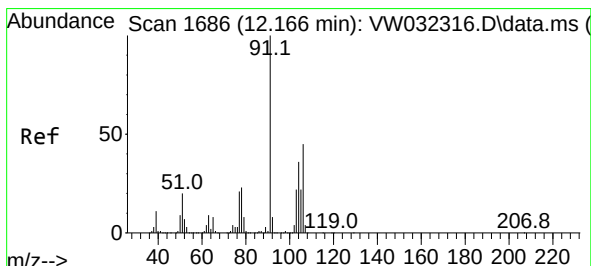
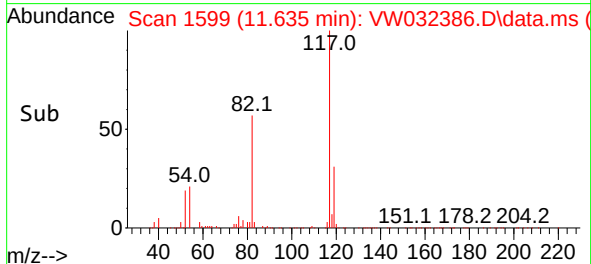
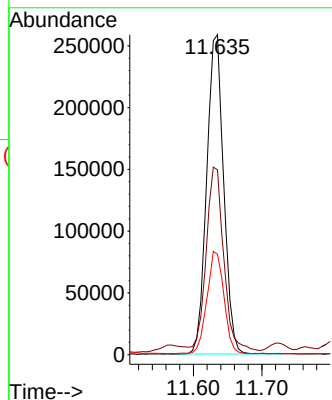
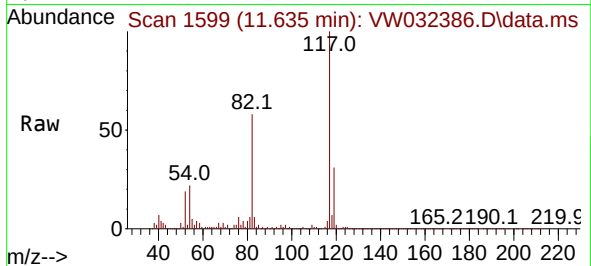




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

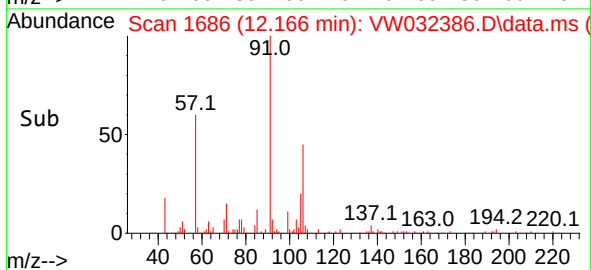
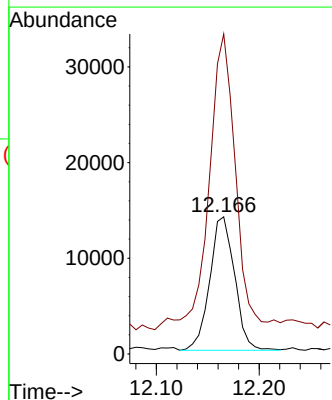
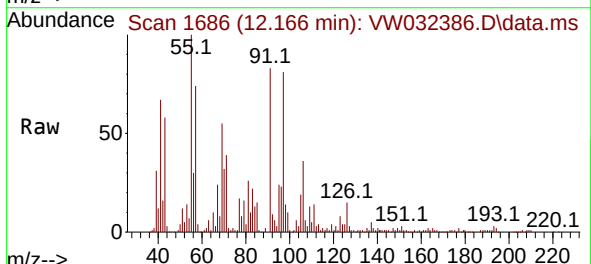
Instrument :  
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PR132-S02-010074-20251016

Tgt Ion:117 Resp: 446070  
Ion Ratio Lower Upper  
117 100  
82 55.3 42.7 64.1  
119 31.1 25.2 37.8

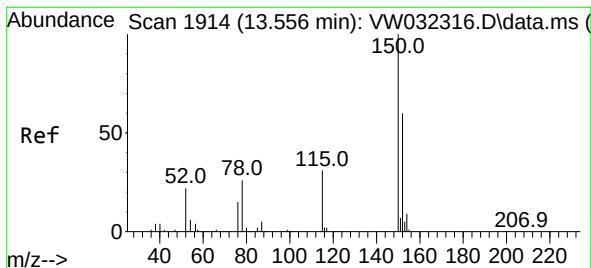


#69  
o-Xylene  
Concen: 3.966 ug/l  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion:106 Resp: 23400  
Ion Ratio Lower Upper  
106 100  
91 236.1 108.7 326.3



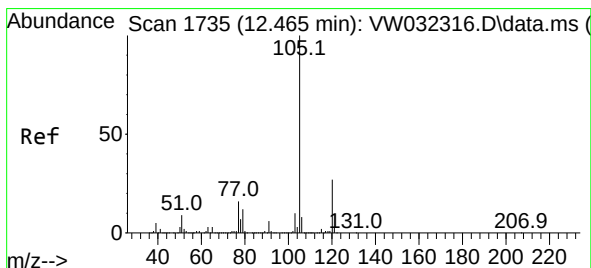
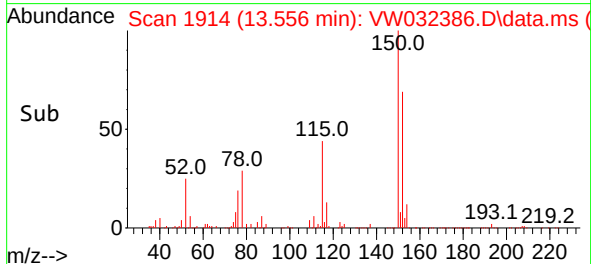
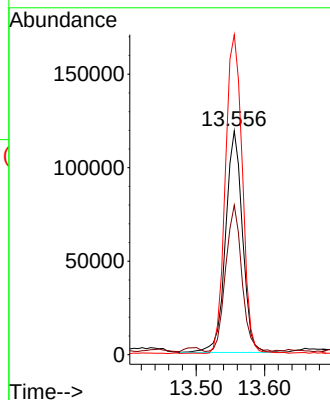
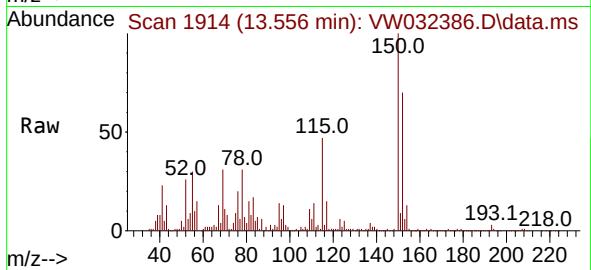




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

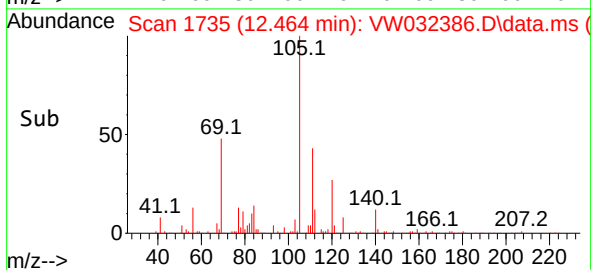
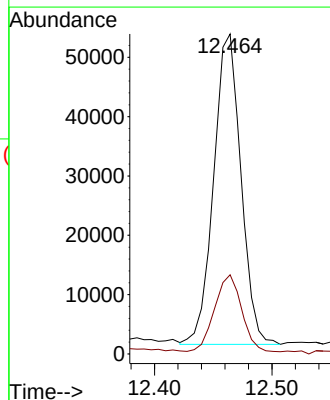
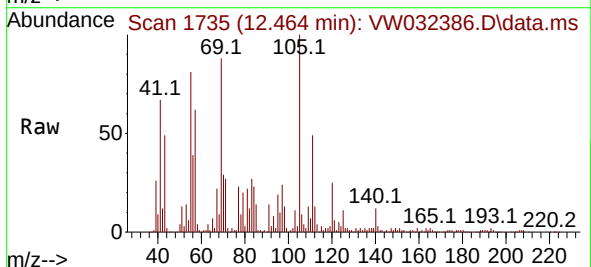
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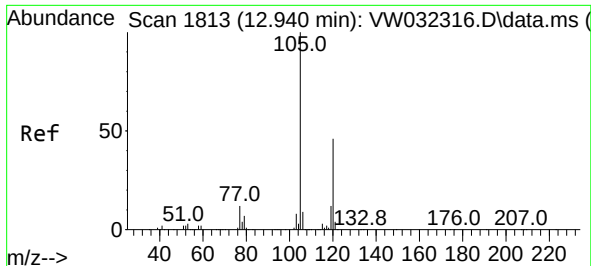
Tgt Ion:152 Resp: 201731  
Ion Ratio Lower Upper  
152 100  
115 63.2 31.8 95.4  
150 144.5 0.0 343.0



#73  
Isopropylbenzene  
Concen: 6.112 ug/l  
RT: 12.464 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion:105 Resp: 84352  
Ion Ratio Lower Upper  
105 100  
120 24.5 13.0 38.9

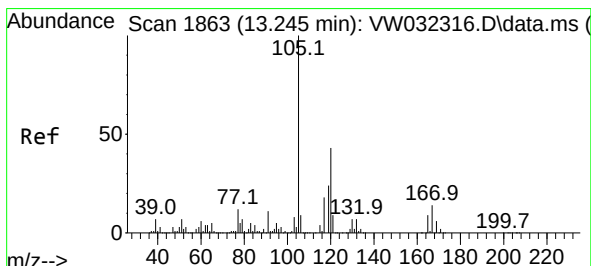
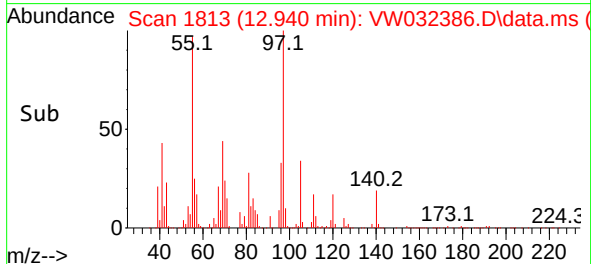
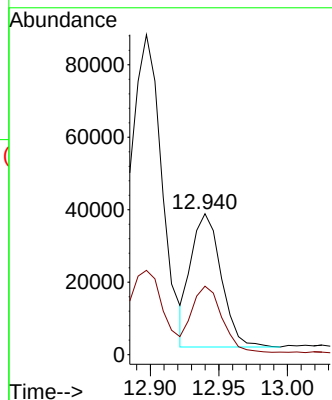
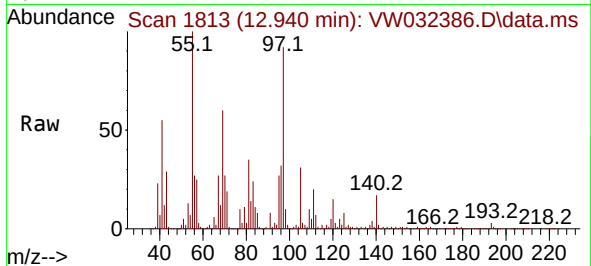




#80  
1,3,5-Trimethylbenzene  
Concen: 4.739 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

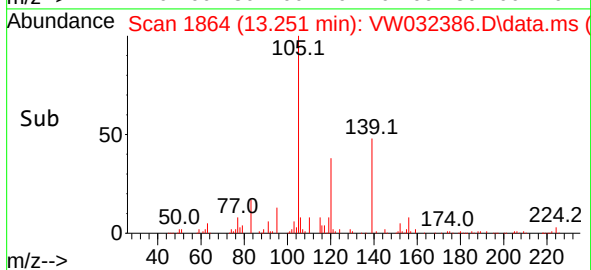
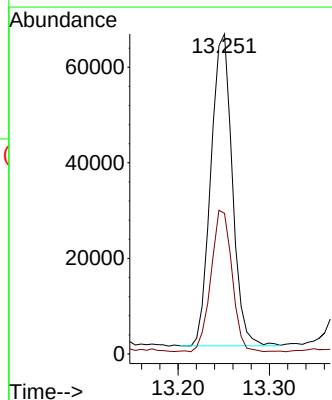
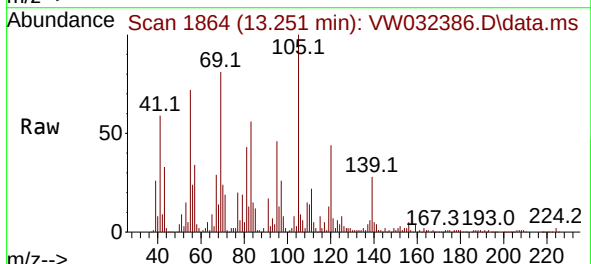
Instrument : MSVOA\_W  
ClientSampleId : PR132-S02-010074-20251016

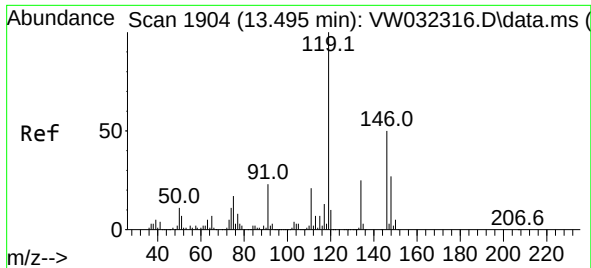
Tgt Ion:105 Resp: 56556  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.8 74.4



#84  
1,2,4-Trimethylbenzene  
Concen: 8.755 ug/l  
RT: 13.251 min Scan# 1864  
Delta R.T. 0.006 min  
Lab File: VW032386.D  
Acq: 20 Oct 2025 14:12

Tgt Ion:105 Resp: 106240  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.1 66.3





#86  
 p-Isopropyltoluene  
 Concen: 3.286 ug/l  
 RT: 13.495 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VW032386.D  
 Acq: 20 Oct 2025 14:12

Instrument : MSVOA\_W  
 ClientSampleId : PR132-S02-010074-20251016

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 40794 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 134       | 29.8  | 12.6  | 37.6  |
| 91        | 24.6  | 12.4  | 37.0  |

