

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102025\  
 Data File : VW032393.D  
 Acq On : 20 Oct 2025 16:46  
 Operator : SY/MD  
 Sample : Q3393-01  
 Misc : 8.02g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 PR132-S10-000022-20251017

Quant Time: Oct 21 01:31:02 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

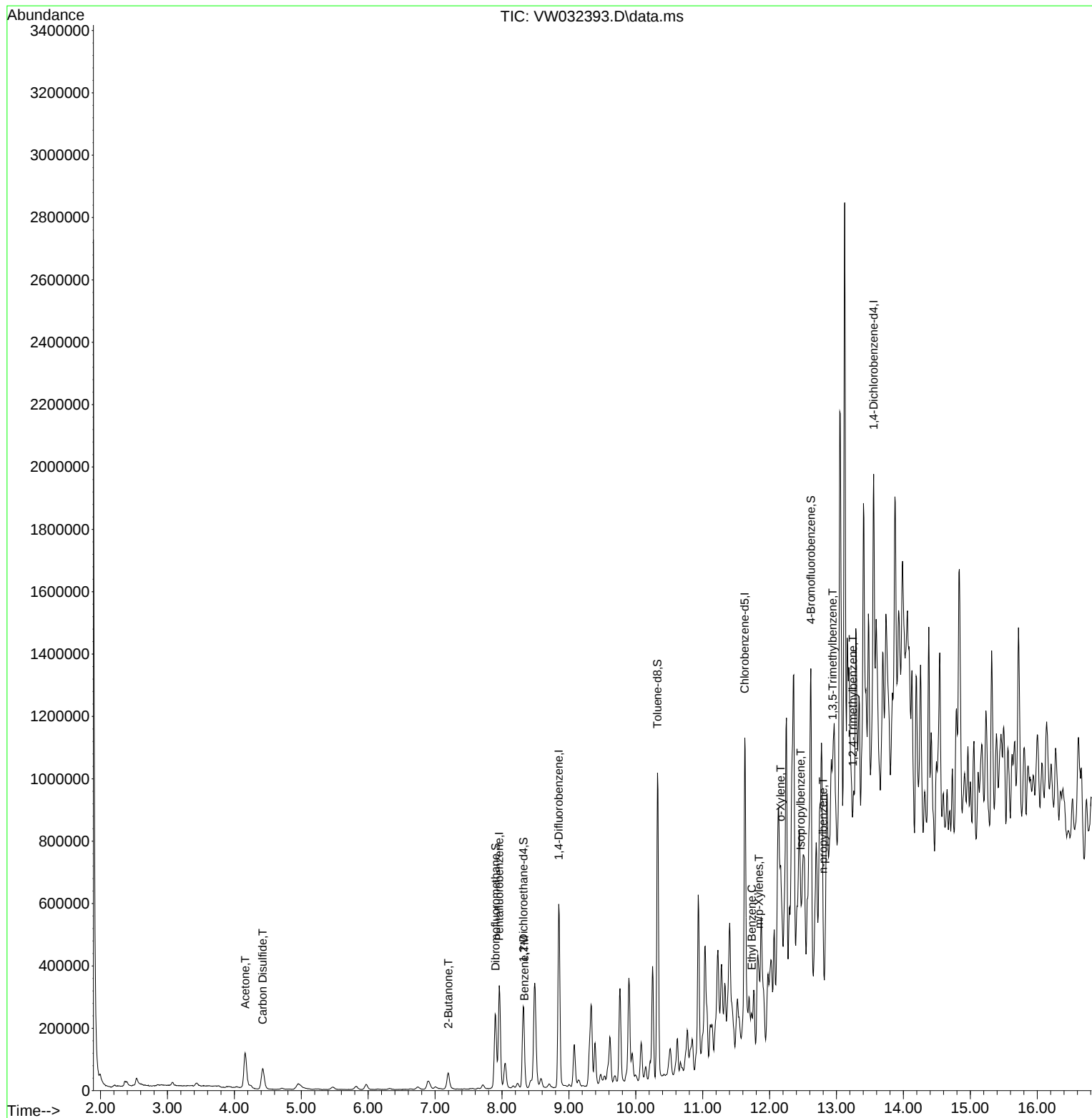
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.959  | 168            | 222878   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.849  | 114            | 495532   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.629 | 117            | 494383   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.555 | 152            | 205827   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65             | 209091   | 64.320     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 63 - 155 | Recovery | = 128.640% |        |          |
| 35) Dibromofluoromethane    | 7.904  | 113            | 176785   | 55.088     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 70 - 134 | Recovery | = 110.180% |        |          |
| 50) Toluene-d8              | 10.324 | 98             | 636458   | 53.736     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 74 - 123 | Recovery | = 107.480% |        |          |
| 62) 4-Bromofluorobenzene    | 12.617 | 95             | 257079   | 57.426     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 17 - 146 | Recovery | = 114.860% |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 4.161  | 43             | 217401   | 241.522    | ug/l   | 100      |
| 17) Carbon Disulfide        | 4.423  | 76             | 160809   | 23.463     | ug/l   | 98       |
| 25) 2-Butanone              | 7.197  | 43             | 80561    | 65.714     | ug/l   | 100      |
| 40) Benzene                 | 8.337  | 78             | 18202    | 1.282      | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.733 | 91             | 35079    | 1.935      | ug/l   | 100      |
| 68) m/p-Xylenes             | 11.842 | 106            | 52085    | 7.449      | ug/l   | 98       |
| 69) o-Xylene                | 12.165 | 106            | 77196    | 11.806     | ug/l   | 95       |
| 73) Isopropylbenzene        | 12.464 | 105            | 30189    | 2.144      | ug/l   | 98       |
| 78) n-propylbenzene         | 12.799 | 91             | 35908    | 2.041      | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.940 | 105            | 27053    | 2.222      | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.245 | 105            | 72770    | 5.877      | ug/l   | 91       |
| -----                       |        |                |          |            |        |          |

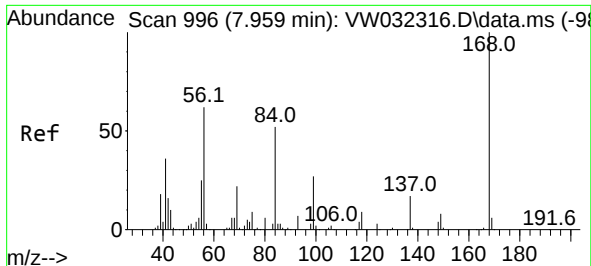
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PR132-S10-000022-20251017

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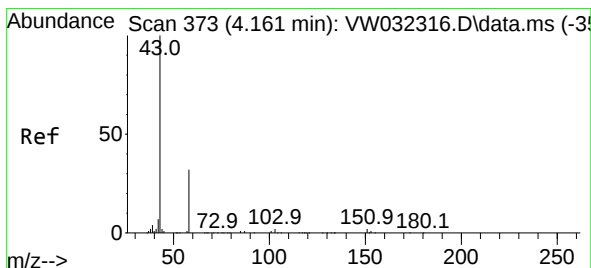
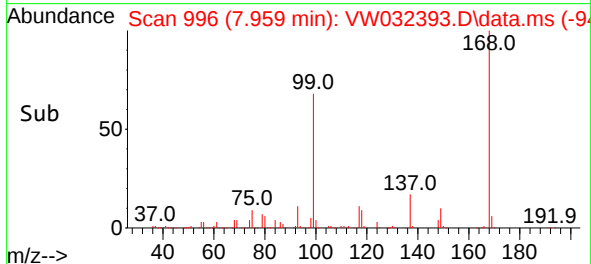
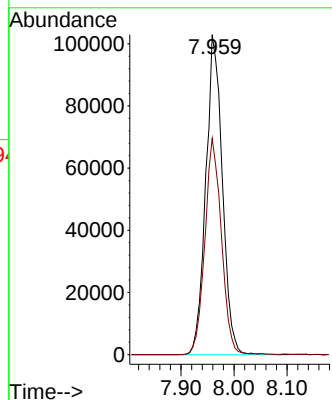
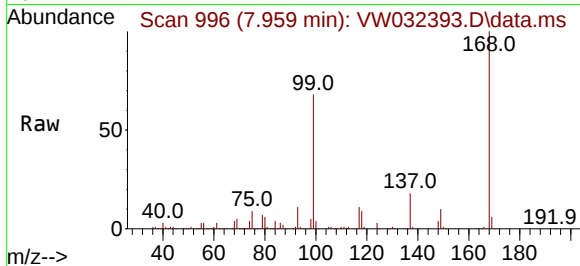




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

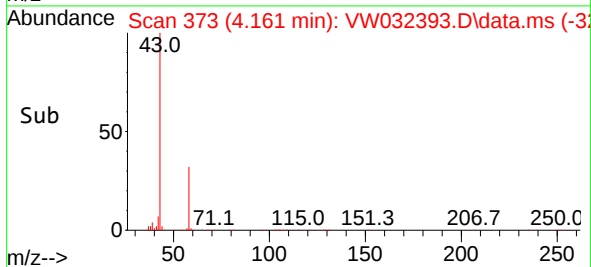
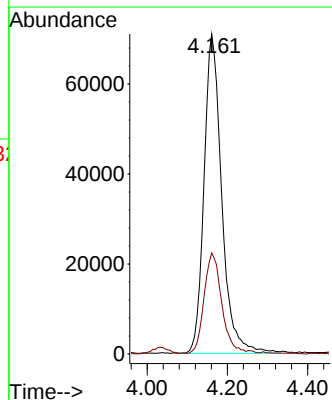
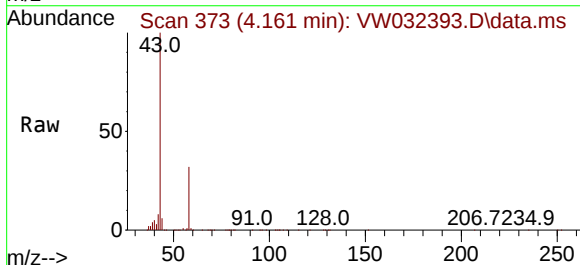
Instrument :  
MSVOA\_W  
ClientSampleId :  
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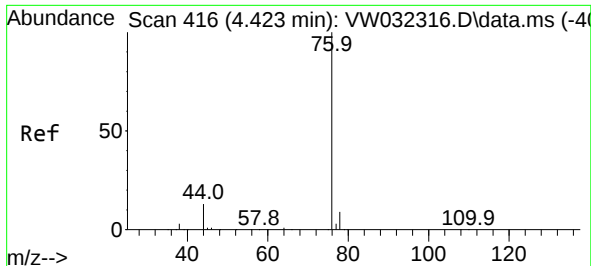
Tgt Ion:168 Resp: 222878  
Ion Ratio Lower Upper  
168 100  
99 67.5 49.3 73.9



#16  
Acetone  
Concen: 241.522 ug/l  
RT: 4.161 min Scan# 373  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion: 43 Resp: 217401  
Ion Ratio Lower Upper  
43 100  
58 31.4 25.3 37.9

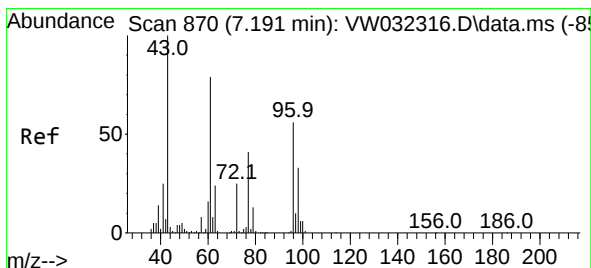
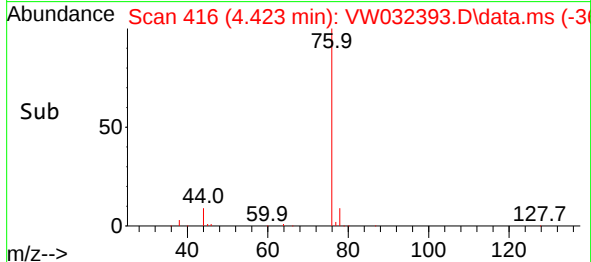
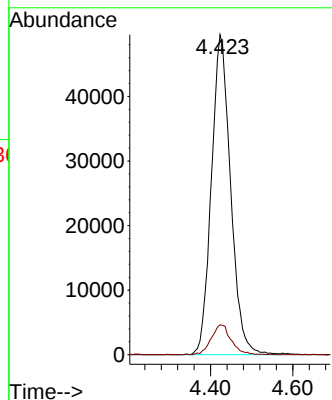
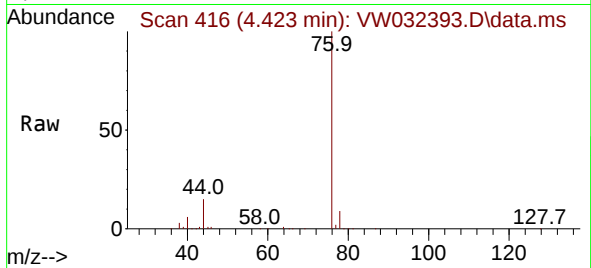




#17  
Carbon Disulfide  
Concen: 23.463 ug/l  
RT: 4.423 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

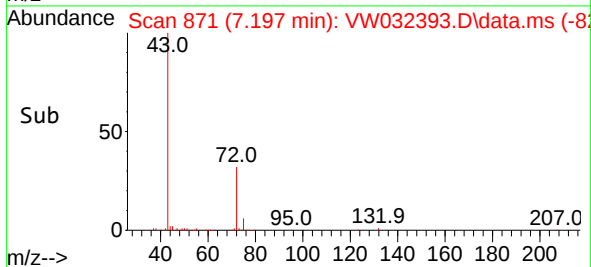
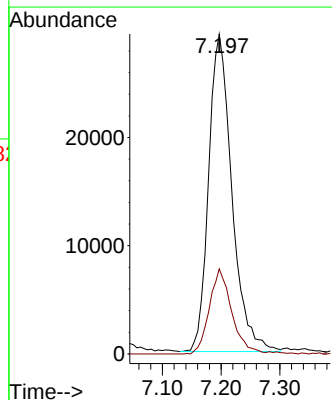
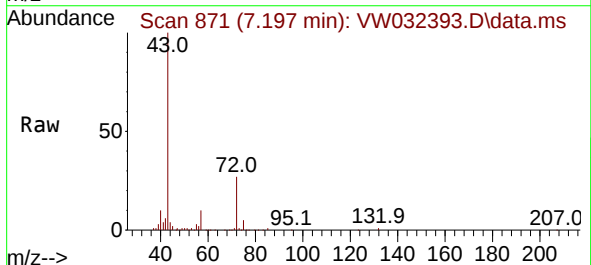
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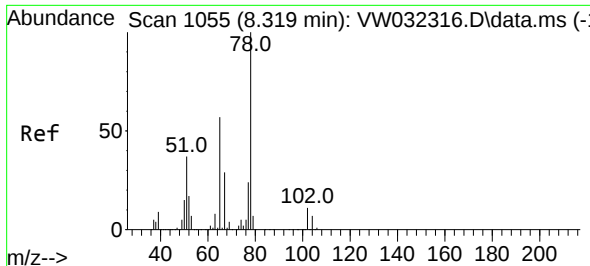
Tgt Ion: 76 Resp: 160809  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6



#25  
2-Butanone  
Concen: 65.714 ug/l  
RT: 7.197 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion: 43 Resp: 80561  
Ion Ratio Lower Upper  
43 100  
72 26.8 21.4 32.2

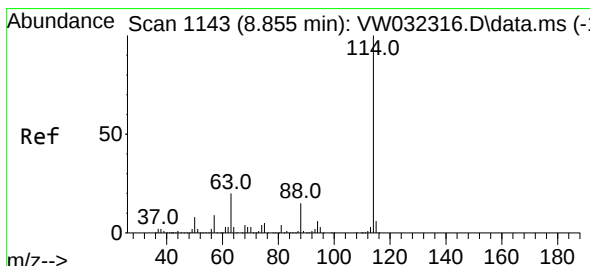
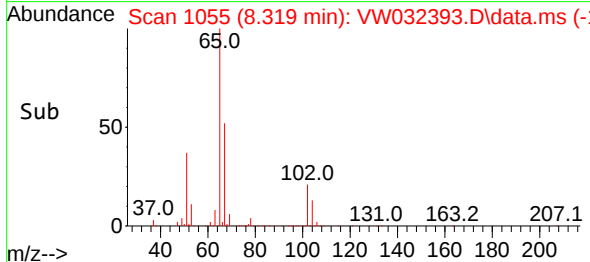
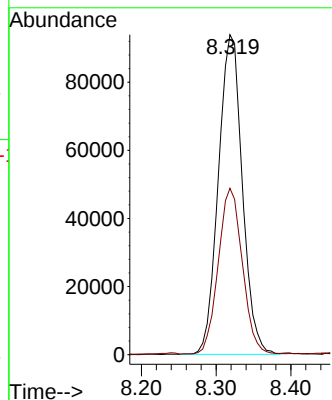
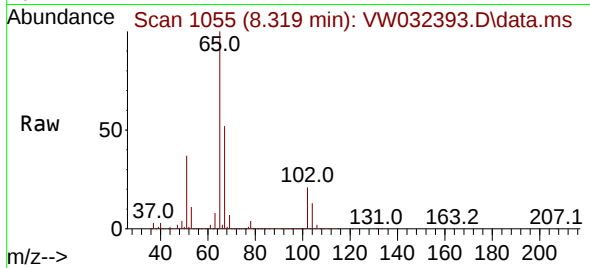




#33  
 1,2-Dichloroethane-d4  
 Concen: 64.320 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. -0.000 min  
 Lab File: VW032393.D  
 Acq: 20 Oct 2025 16:46

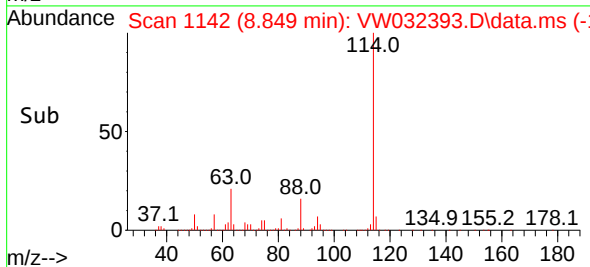
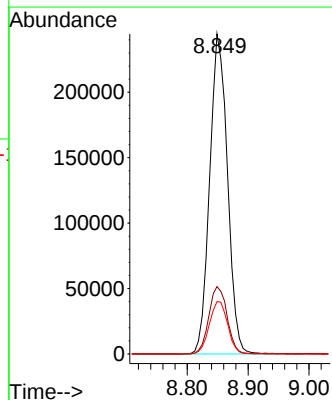
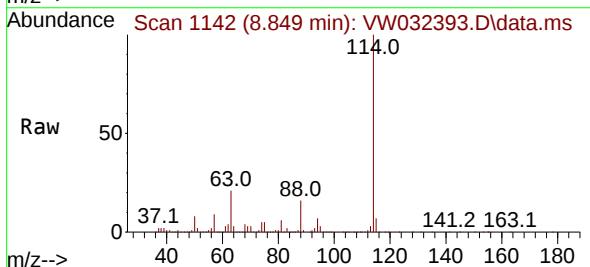
Instrument : MSVOA\_W  
 ClientSampleId : PR132-S10-000022-20251017

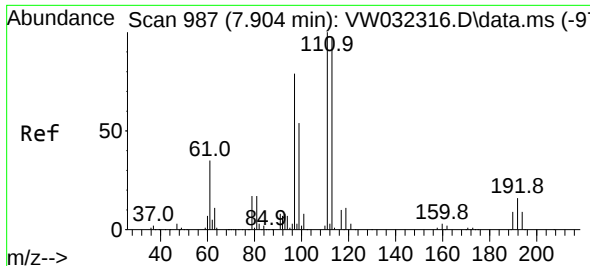
Tgt Ion: 65 Resp: 209091  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 99.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. -0.007 min  
 Lab File: VW032393.D  
 Acq: 20 Oct 2025 16:46

Tgt Ion: 114 Resp: 495532  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 40.4  
 88 16.4 0.0 32.0

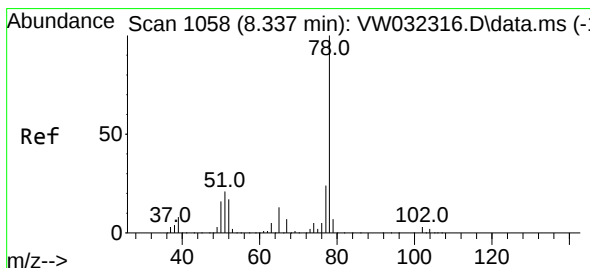
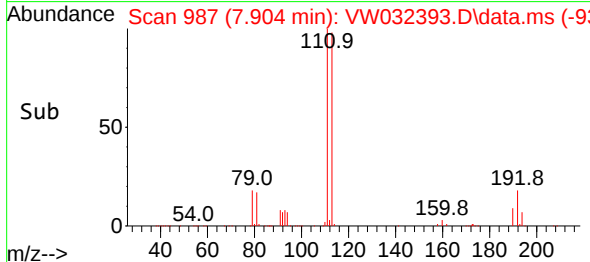
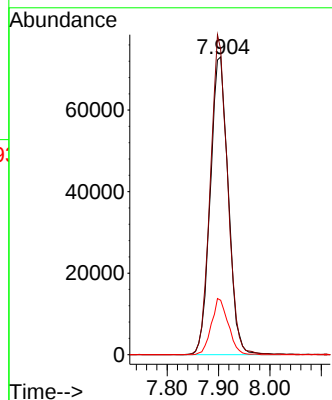
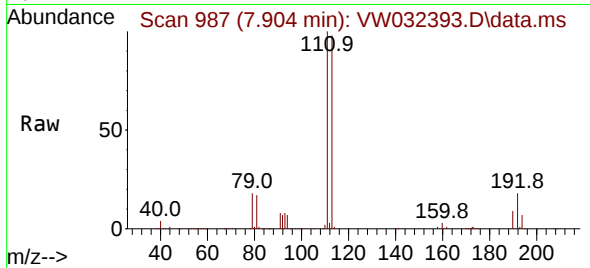




#35  
 Dibromofluoromethane  
 Concen: 55.088 ug/l  
 RT: 7.904 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VW032393.D  
 Acq: 20 Oct 2025 16:46

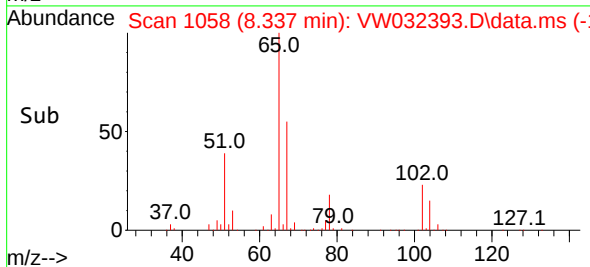
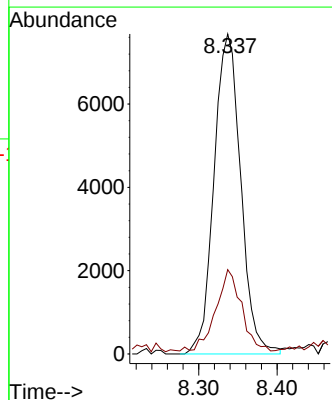
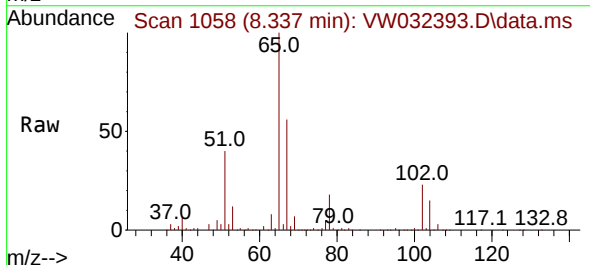
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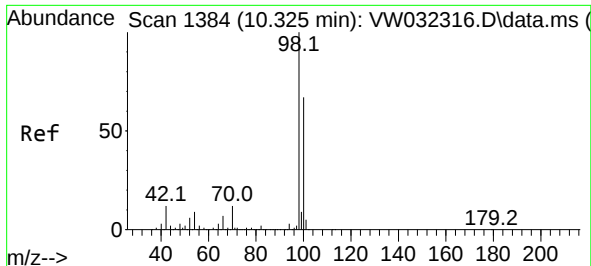
Tgt Ion:113 Resp: 176785  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 83.9 125.9  
 192 17.7 14.6 21.8



#40  
 Benzene  
 Concen: 1.282 ug/l  
 RT: 8.337 min Scan# 1058  
 Delta R.T. -0.000 min  
 Lab File: VW032393.D  
 Acq: 20 Oct 2025 16:46

Tgt Ion: 78 Resp: 18202  
 Ion Ratio Lower Upper  
 78 100  
 77 25.4 20.7 31.1

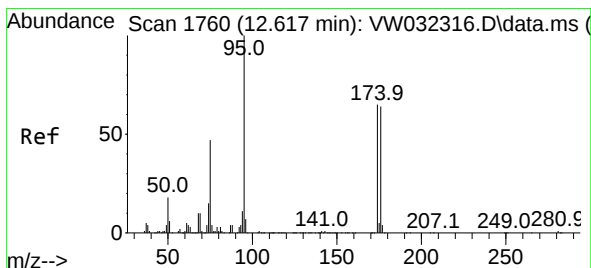
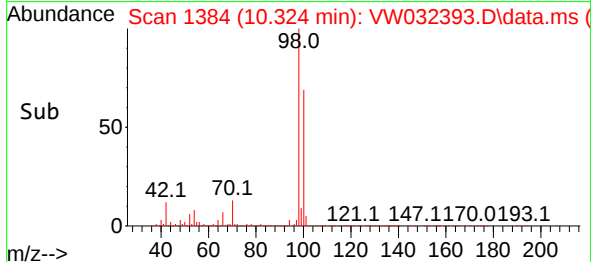
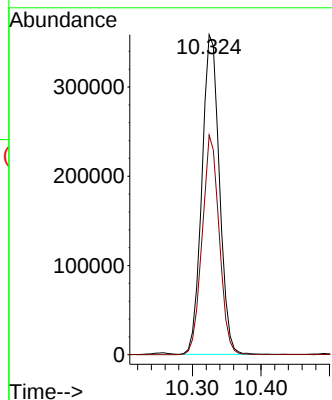
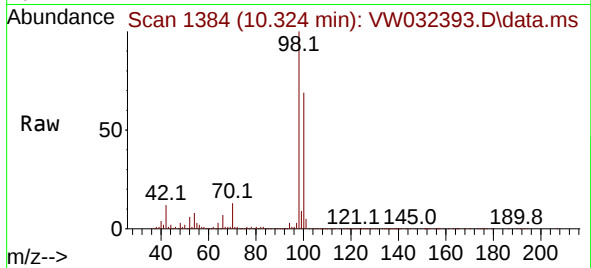




#50  
Toluene-d8  
Concen: 53.736 ug/l  
RT: 10.324 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

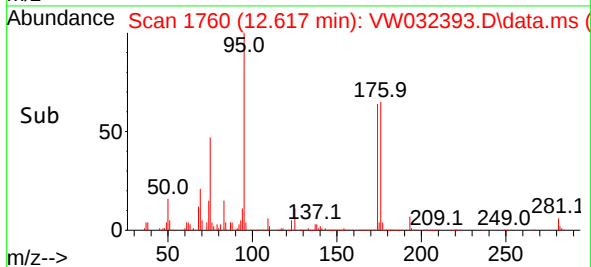
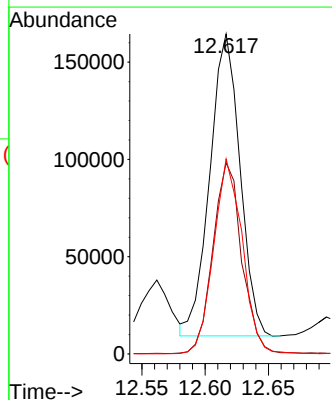
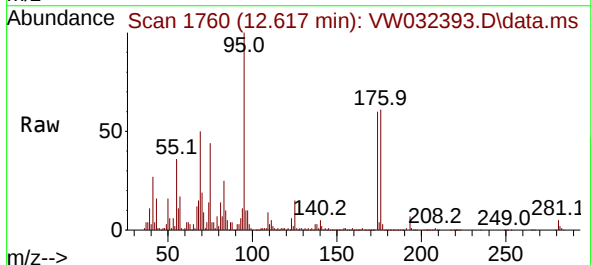
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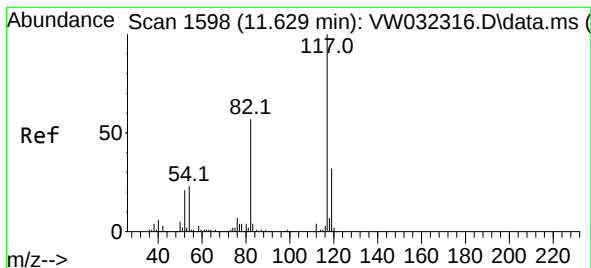
Tgt Ion: 98 Resp: 636458  
Ion Ratio Lower Upper  
98 100  
100 67.0 51.4 77.2



#62  
4-Bromofluorobenzene  
Concen: 57.426 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion: 95 Resp: 257079  
Ion Ratio Lower Upper  
95 100  
174 61.2 0.0 145.6  
176 61.8 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032393.D

Acq: 20 Oct 2025 16:46

Instrument :

MSVOA\_W

ClientSampleId :

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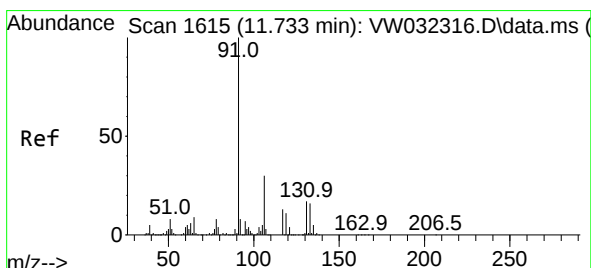
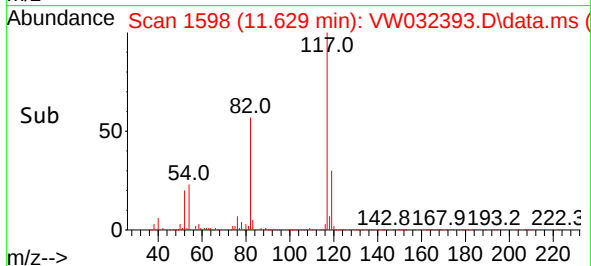
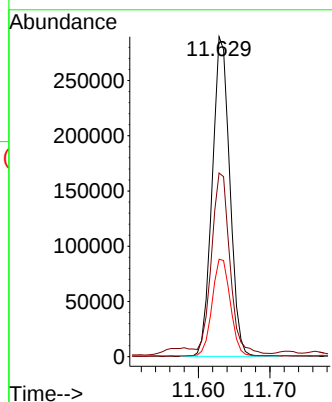
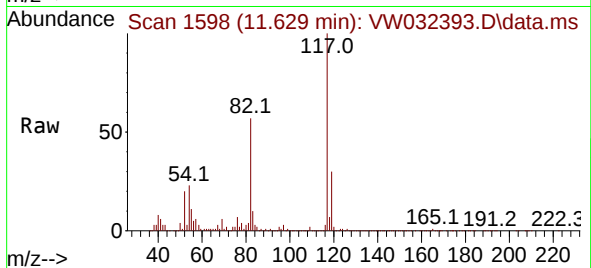
Tgt Ion:117 Resp: 494383

Ion Ratio Lower Upper

117 100

82 55.9 42.7 64.1

119 30.2 25.2 37.8



#67

Ethyl Benzene

Concen: 1.935 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. -0.000 min

Lab File: VW032393.D

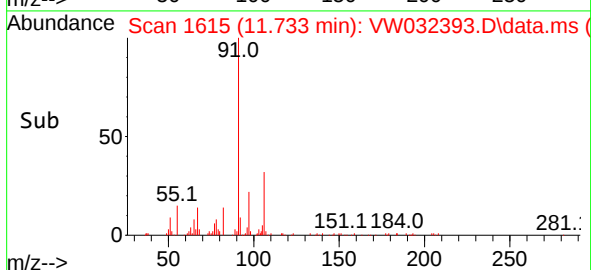
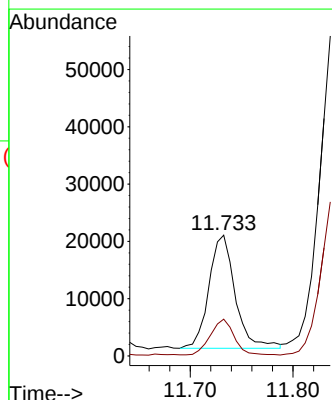
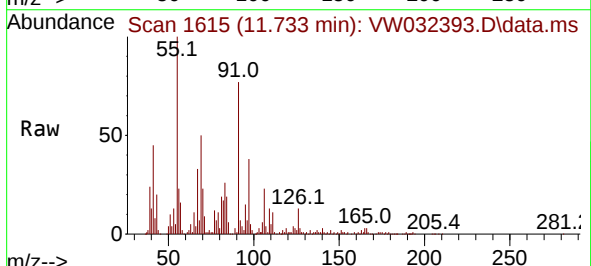
Acq: 20 Oct 2025 16:46

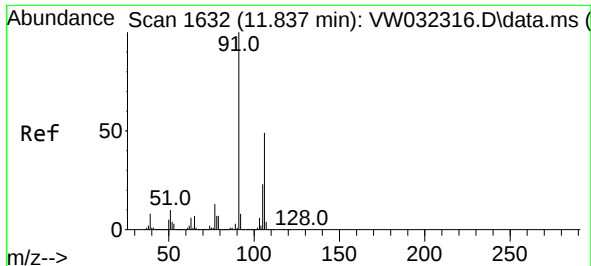
Tgt Ion: 91 Resp: 35079

Ion Ratio Lower Upper

91 100

106 31.6 25.3 37.9

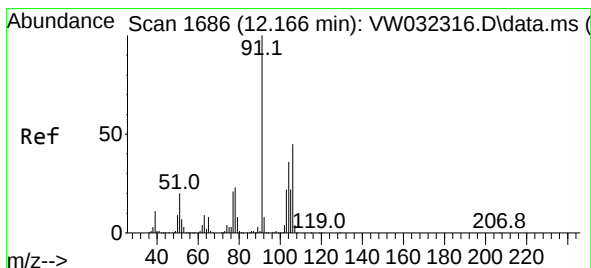
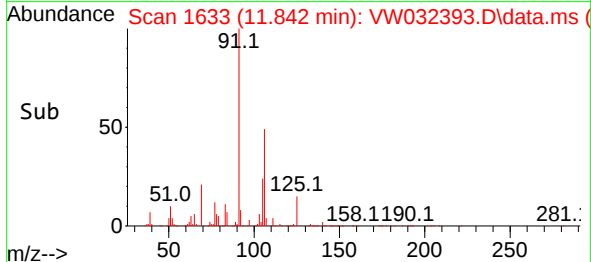
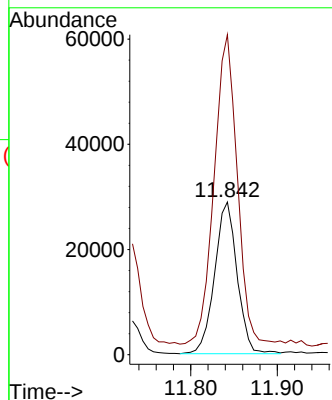
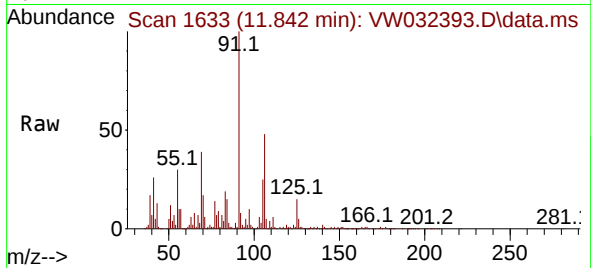




#68  
m/p-Xylenes  
Concen: 7.449 ug/l  
RT: 11.842 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

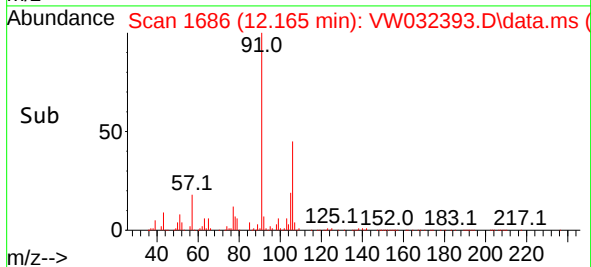
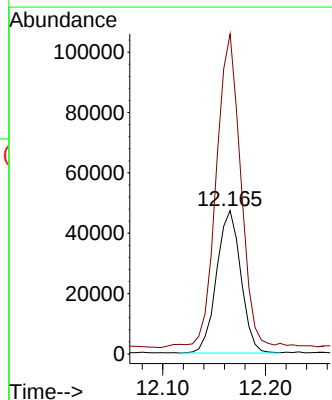
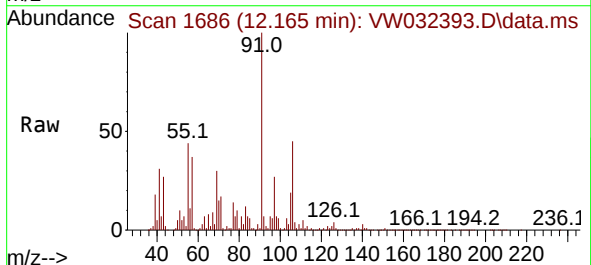
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ClientSampleId :  
PR132-S10-000022-20251017

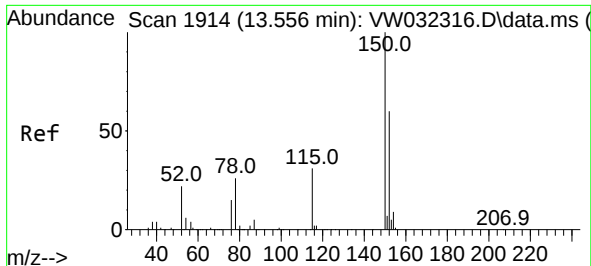
Tgt Ion:106 Resp: 52085  
Ion Ratio Lower Upper  
106 100  
91 208.5 164.2 246.2



#69  
o-Xylene  
Concen: 11.806 ug/l  
RT: 12.165 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion:106 Resp: 77196  
Ion Ratio Lower Upper  
106 100  
91 225.1 108.7 326.3

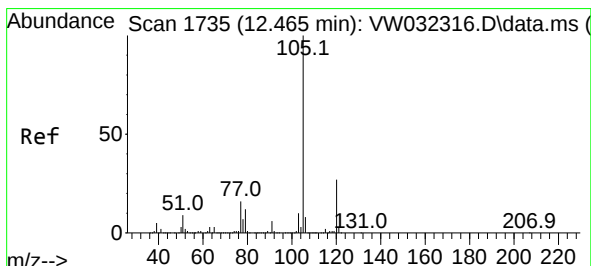
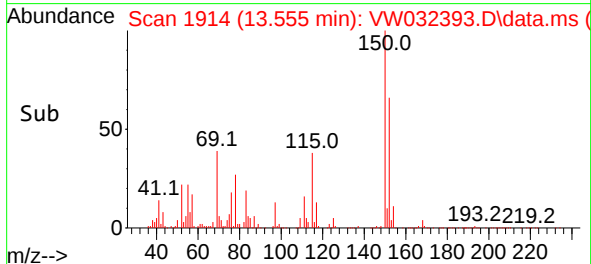
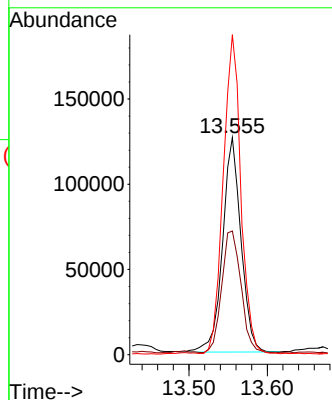
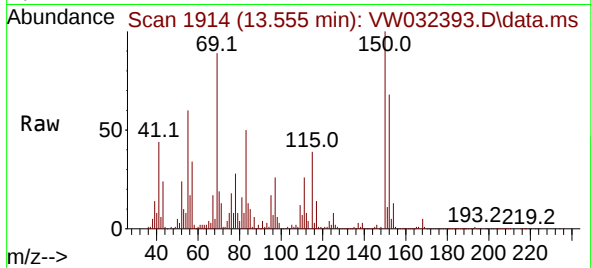




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.555 min Scan# 1914  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

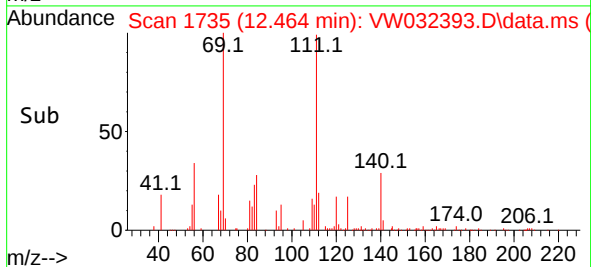
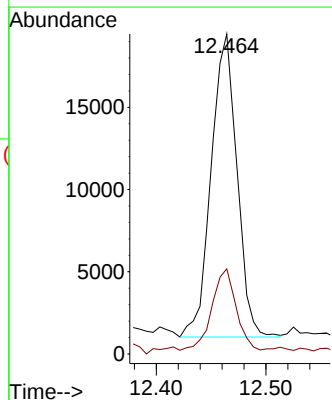
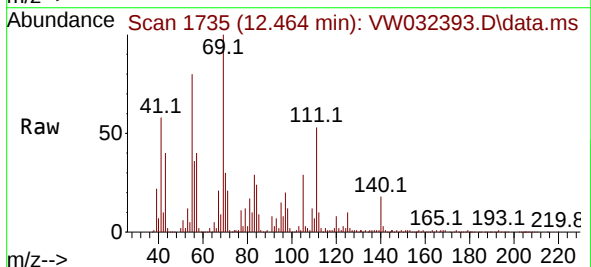
Instrument :  
MSVOA\_W  
ClientSampleId :  
PR132-S10-000022-20251017

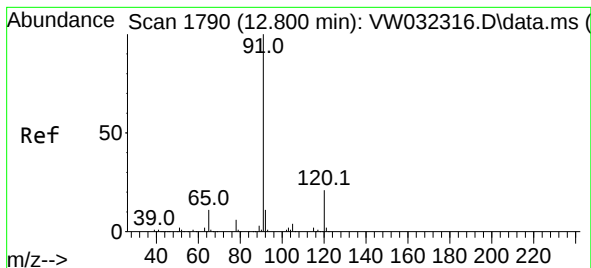
Tgt Ion:152 Resp: 205827  
Ion Ratio Lower Upper  
152 100  
115 59.1 31.8 95.4  
150 142.5 0.0 343.0



#73  
Isopropylbenzene  
Concen: 2.144 ug/l  
RT: 12.464 min Scan# 1735  
Delta R.T. 0.006 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion:105 Resp: 30189  
Ion Ratio Lower Upper  
105 100  
120 25.1 13.0 38.9

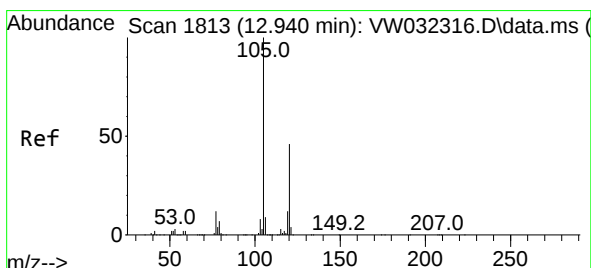
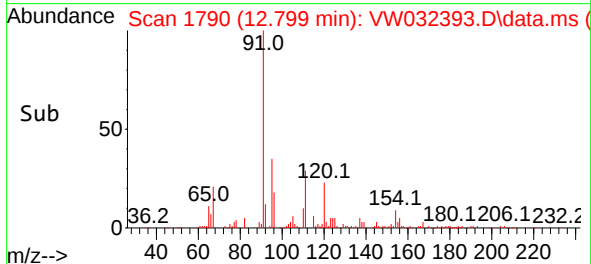
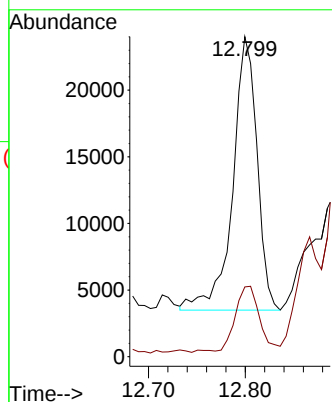
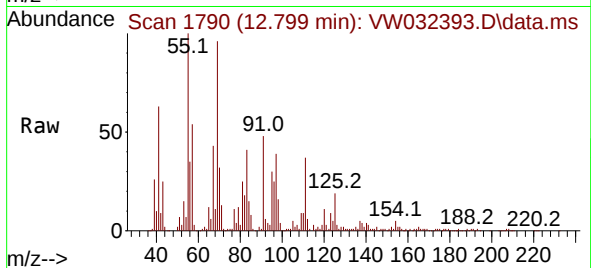




#78  
n-propylbenzene  
Concen: 2.041 ug/l  
RT: 12.799 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

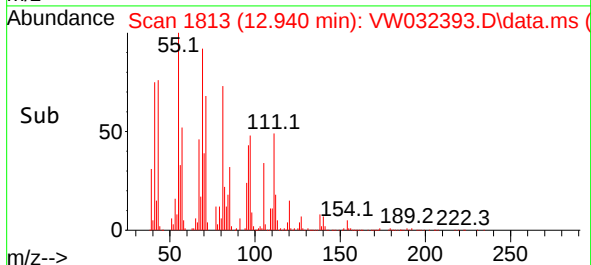
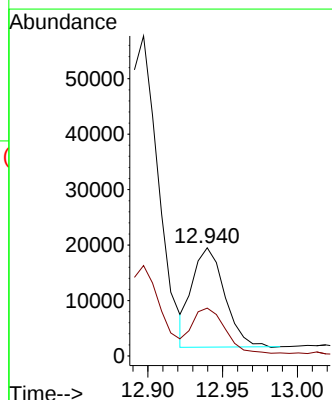
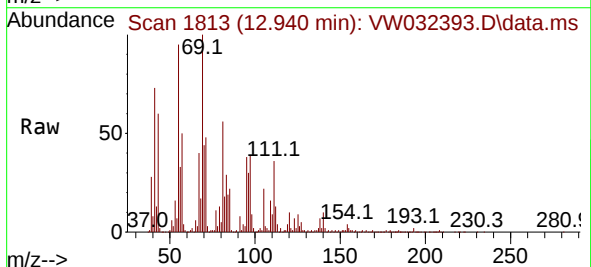
Instrument :  
MSVOA\_W  
ClientSampleId :  
PR132-S10-000022-20251017

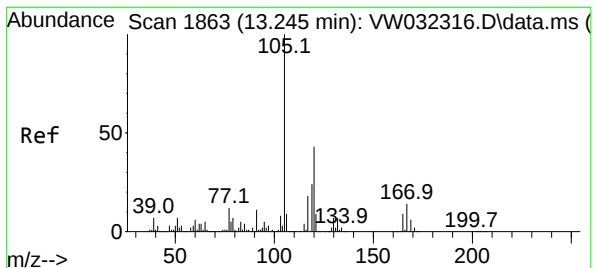
Tgt Ion: 91 Resp: 35908  
Ion Ratio Lower Upper  
91 100  
120 23.3 11.8 35.4



#80  
1,3,5-Trimethylbenzene  
Concen: 2.222 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW032393.D  
Acq: 20 Oct 2025 16:46

Tgt Ion: 105 Resp: 27053  
Ion Ratio Lower Upper  
105 100  
120 46.4 24.8 74.4





#84  
 1,2,4-Trimethylbenzene  
 Concen: 5.877 ug/l  
 RT: 13.245 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW032393.D  
 Acq: 20 Oct 2025 16:46

Instrument : MSVOA\_W  
 ClientSampleId : PR132-S10-000022-20251017

Tgt Ion:105 Resp: 72770  
 Ion Ratio Lower Upper  
 105 100  
 120 38.5 22.1 66.3

