

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090924\  
 Data File : VN083731.D  
 Acq On : 09 Sep 2024 21:00  
 Operator : JC\MD  
 Sample : P3841-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BR-04DR-451-090424

Quant Time: Sep 10 02:17:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 00:48:10 2024  
 Response via : Initial Calibration

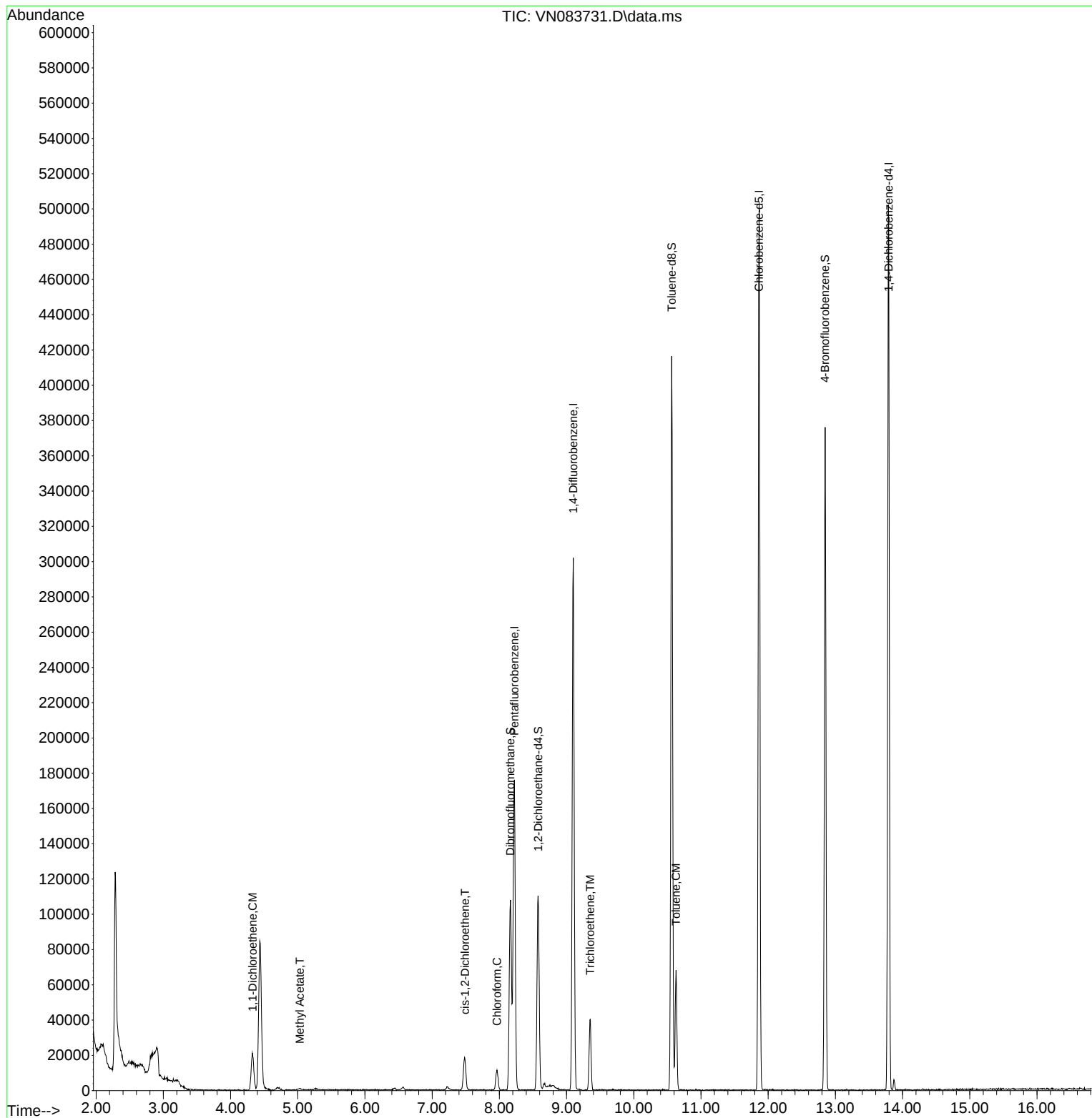
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 119414   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 246587   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 269240   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 127179   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 96986    | 58.113   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 116.220% |          |
| 35) Dibromofluoromethane    | 8.165  | 113   | 76899    | 51.813   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.620% |          |
| 50) Toluene-d8              | 10.565 | 98    | 273784   | 47.379   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.760%  |          |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 127983   | 59.777   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 119.560% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 12) 1,1-Dichloroethene      | 4.330  | 96    | 12311    | 9.411    | ug/l       | 94       |
| 18) Methyl Acetate          | 5.030  | 43    | 1890     | 1.068    | ug/l #     | 69       |
| 27) cis-1,2-Dichloroethene  | 7.489  | 96    | 11199    | 6.887    | ug/l       | 87       |
| 30) Chloroform              | 7.965  | 83    | 11031    | 3.992    | ug/l       | 98       |
| 44) Trichloroethene         | 9.353  | 130   | 13588    | 8.111    | ug/l       | 99       |
| 52) Toluene                 | 10.629 | 92    | 29403    | 6.751    | ug/l       | 100      |
| -----                       |        |       |          |          |            |          |

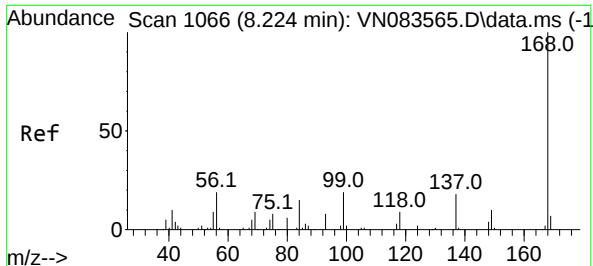
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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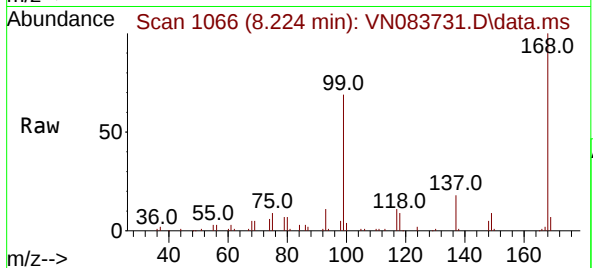
Quant Time: Sep 10 02:17:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N083024W.M  
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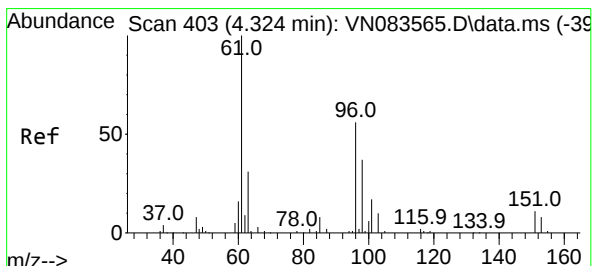
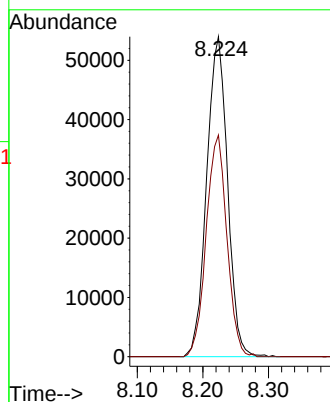
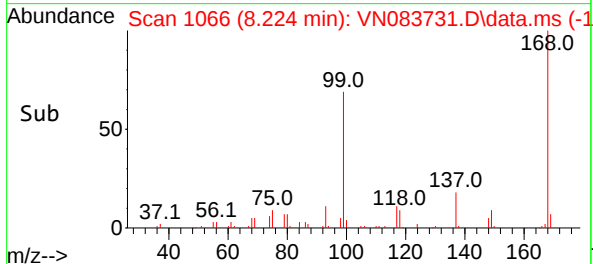


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
BR-04DR-451-090424

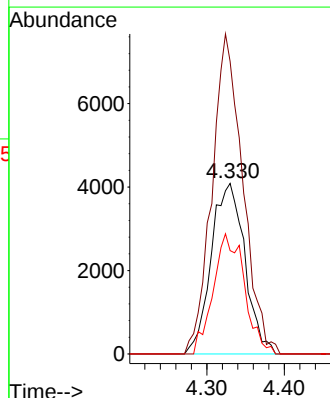
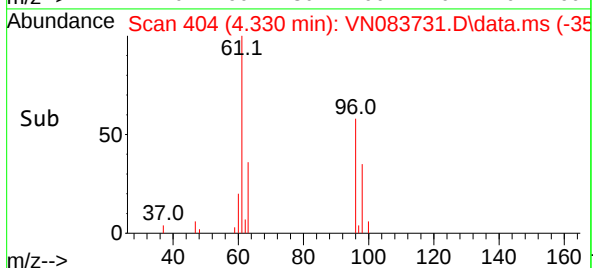
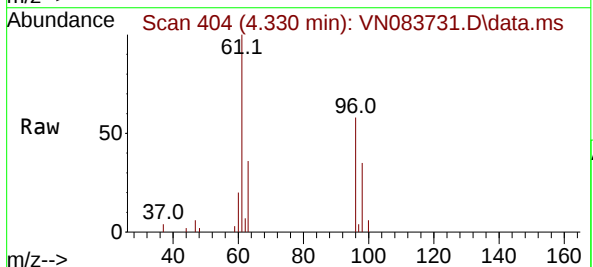


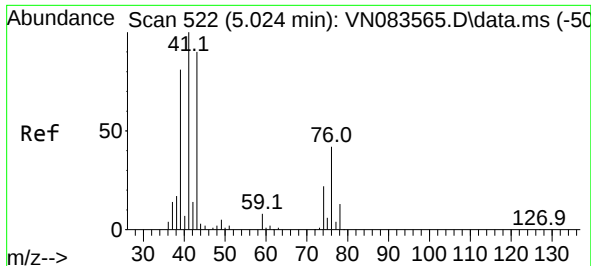
Tgt Ion:168 Resp: 119414  
Ion Ratio Lower Upper  
168 100  
99 69.3 54.2 81.2



#12  
1,1-Dichloroethene  
Concen: 9.411 ug/l  
RT: 4.330 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion: 96 Resp: 12311  
Ion Ratio Lower Upper  
96 100  
61 171.4 143.4 215.0  
98 60.6 52.7 79.1

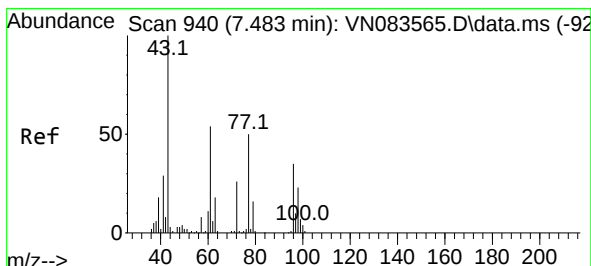
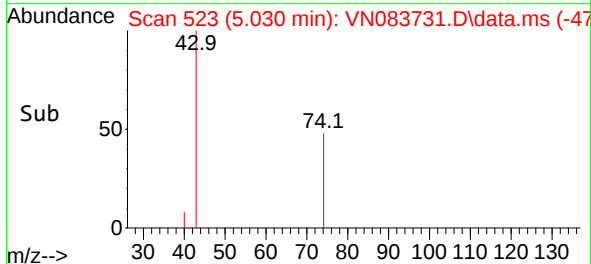
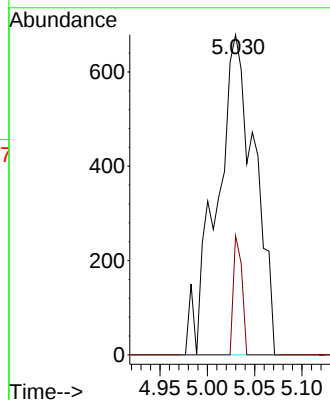
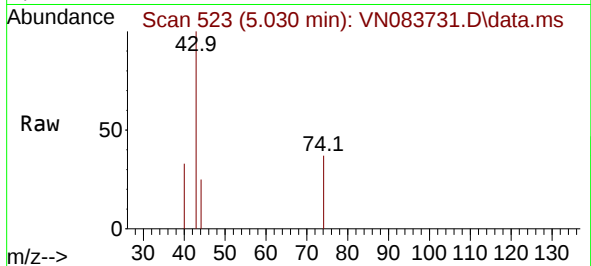




#18  
Methyl Acetate  
Concen: 1.068 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

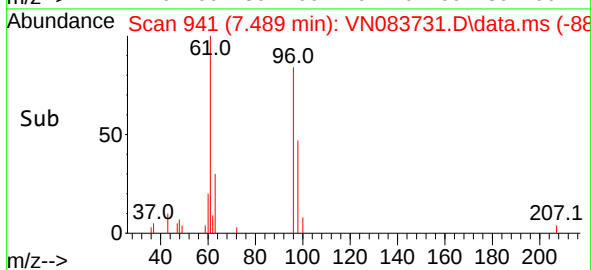
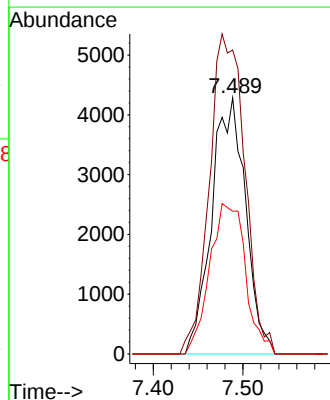
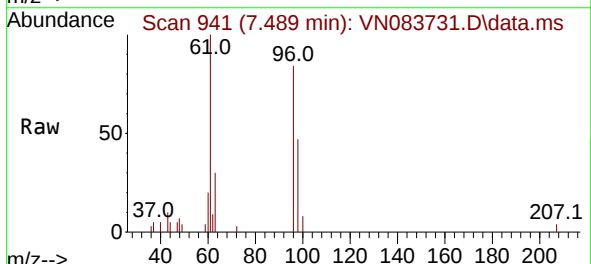
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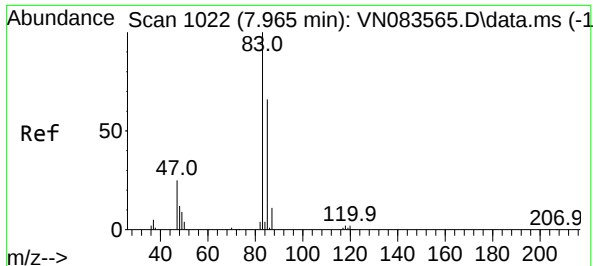
Tgt Ion: 43 Resp: 1890  
Ion Ratio Lower Upper  
43 100  
74 8.4 19.0 28.4#



#27  
cis-1,2-Dichloroethene  
Concen: 6.887 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion: 96 Resp: 11199  
Ion Ratio Lower Upper  
96 100  
61 130.8 0.0 306.2  
98 62.2 0.0 128.6

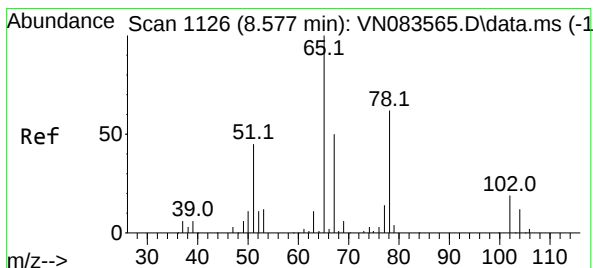
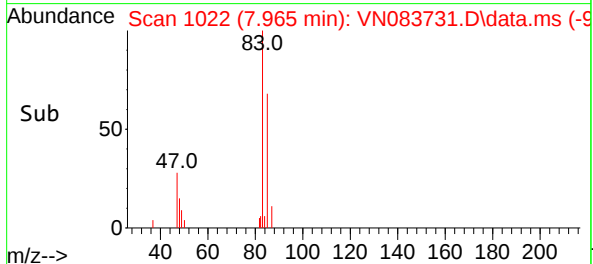
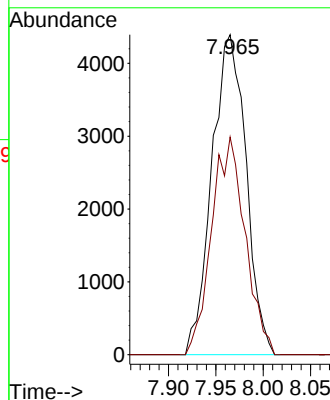
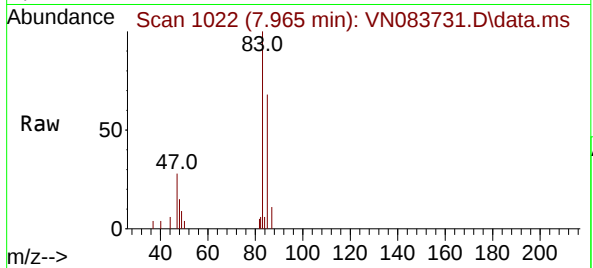




#30  
Chloroform  
Concen: 3.992 ug/l  
RT: 7.965 min Scan# 11031  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

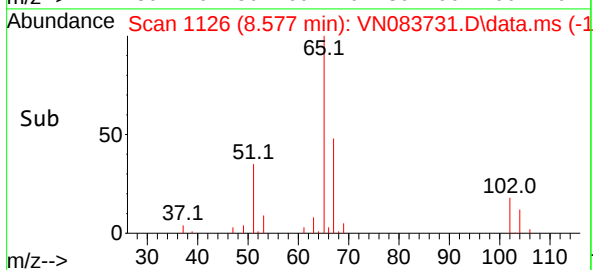
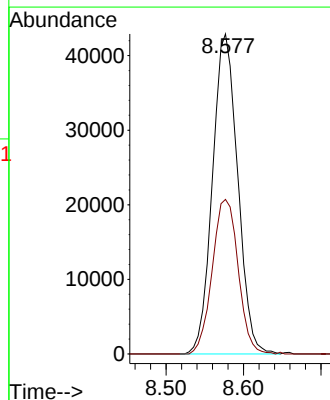
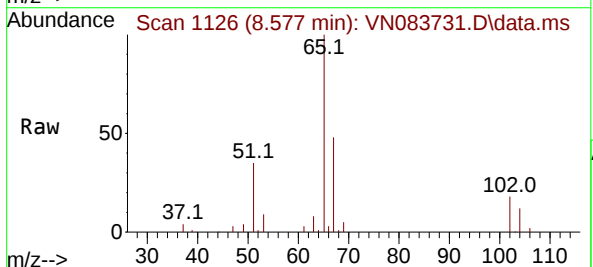
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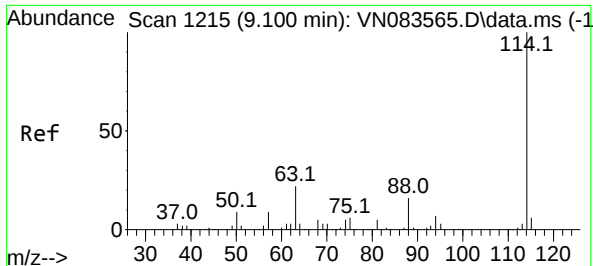
Tgt Ion: 83 Resp: 11031  
Ion Ratio Lower Upper  
83 100  
85 68.0 52.8 79.2



#33  
1,2-Dichloroethane-d4  
Concen: 58.113 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion: 65 Resp: 96986  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 100.8

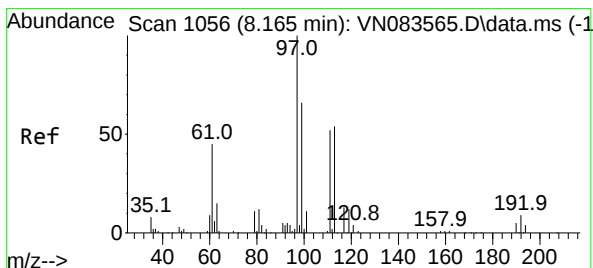
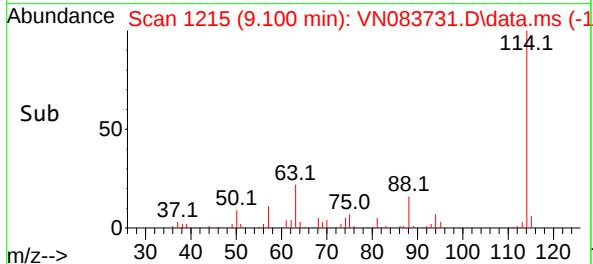
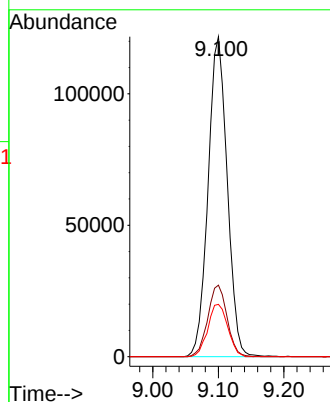
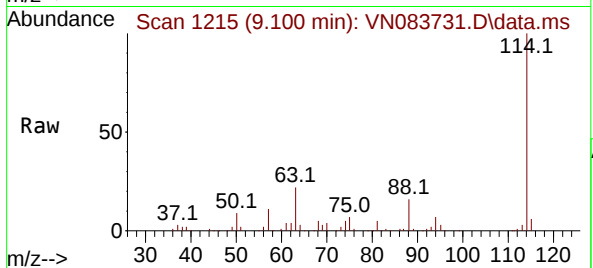




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

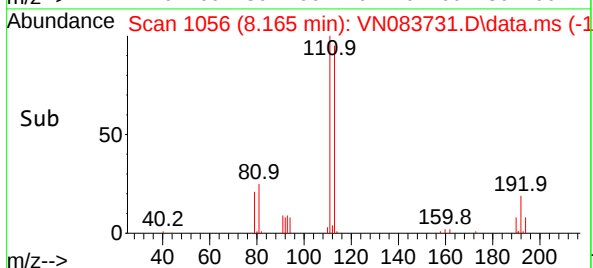
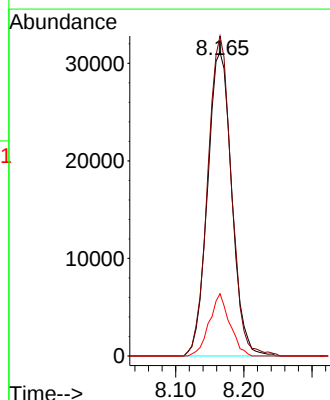
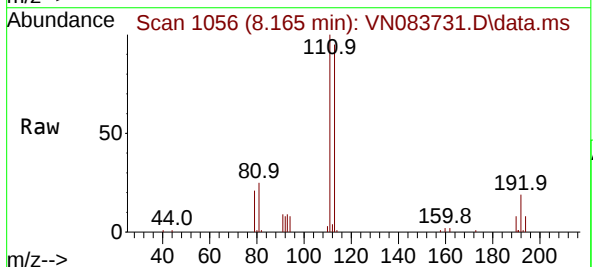
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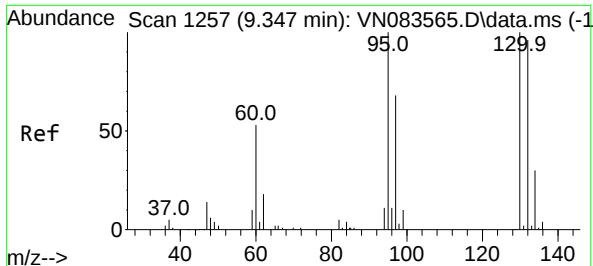
Tgt Ion:114 Resp: 246587  
Ion Ratio Lower Upper  
114 100  
63 22.3 0.0 43.4  
88 16.3 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 51.813 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion:113 Resp: 76899  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 124.0  
192 17.3 14.3 21.5

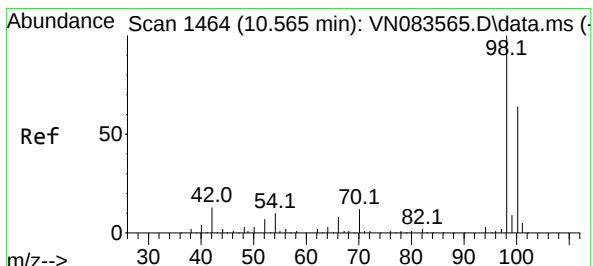
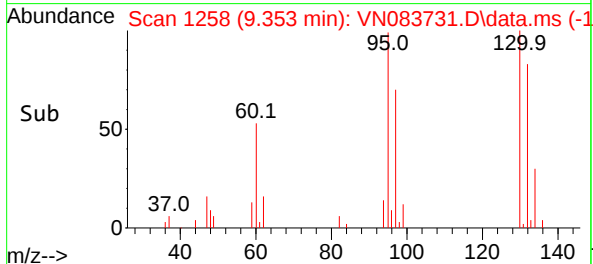
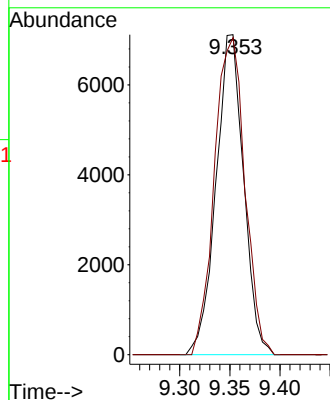
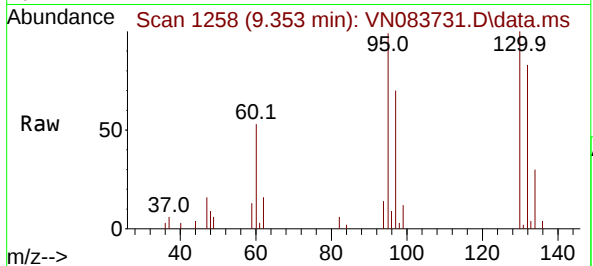




#44  
Trichloroethene  
Concen: 8.111 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

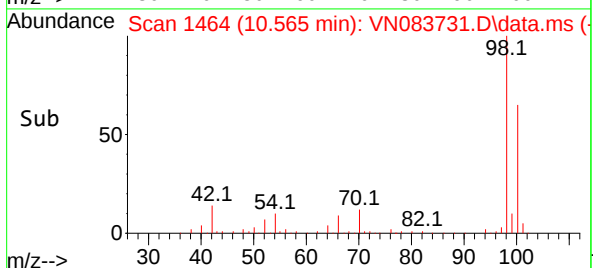
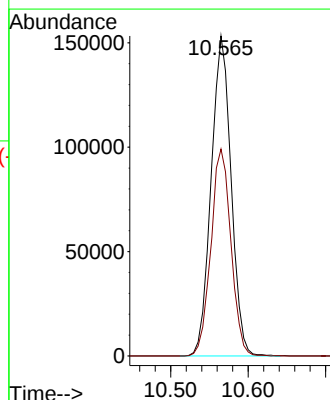
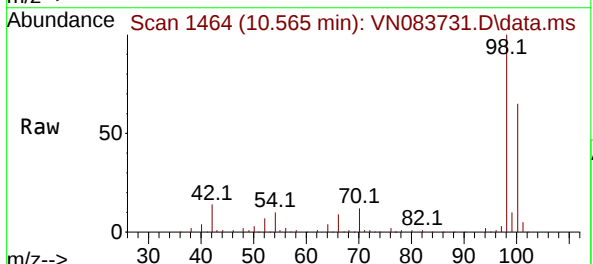
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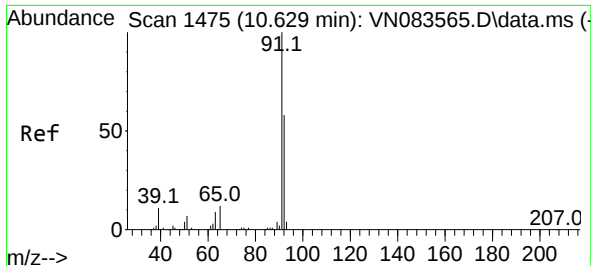
Tgt Ion:130 Resp: 13588  
Ion Ratio Lower Upper  
130 100  
95 99.1 0.0 200.4



#50  
Toluene-d8  
Concen: 47.379 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion: 98 Resp: 273784  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.0 78.0

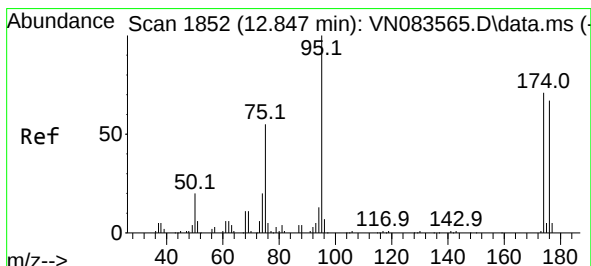
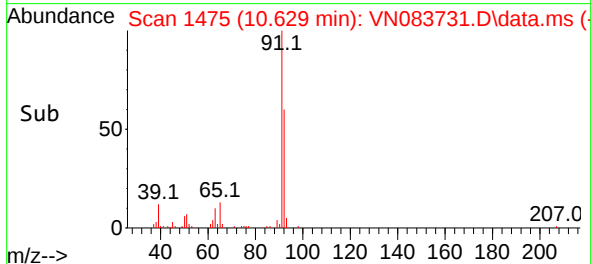
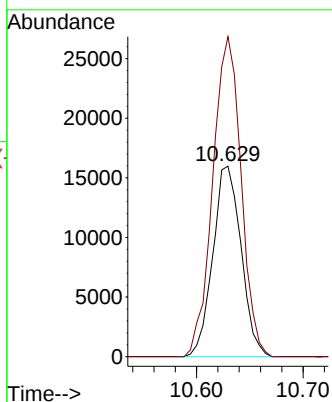
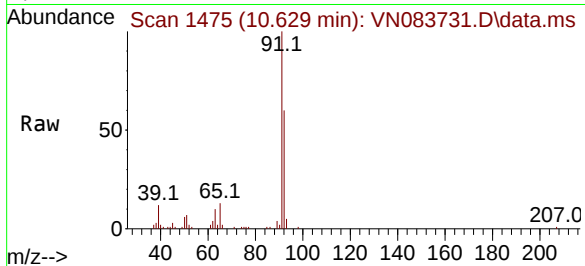




#52  
Toluene  
Concen: 6.751 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

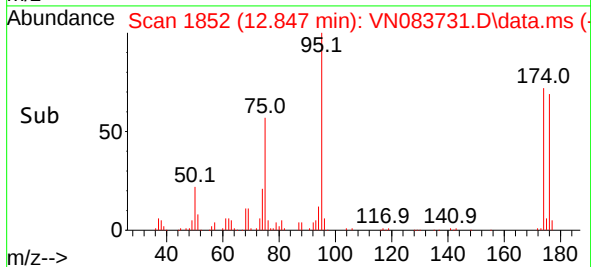
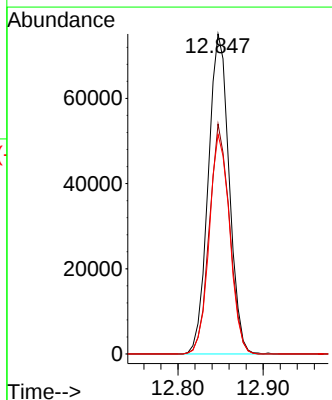
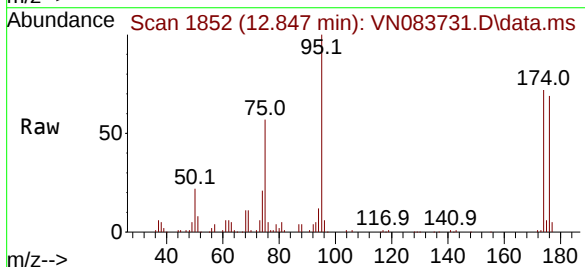
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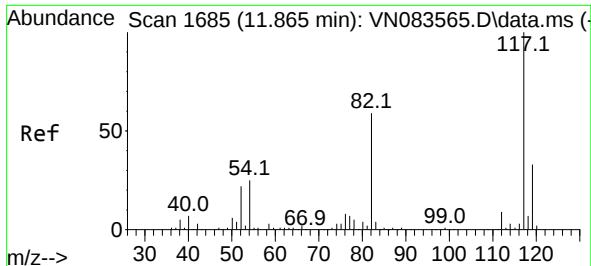
Tgt Ion: 92 Resp: 29403  
Ion Ratio Lower Upper  
92 100  
91 168.8 134.7 202.1



#62  
4-Bromofluorobenzene  
Concen: 59.777 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion: 95 Resp: 127983  
Ion Ratio Lower Upper  
95 100  
174 69.5 0.0 139.8  
176 67.1 0.0 131.4

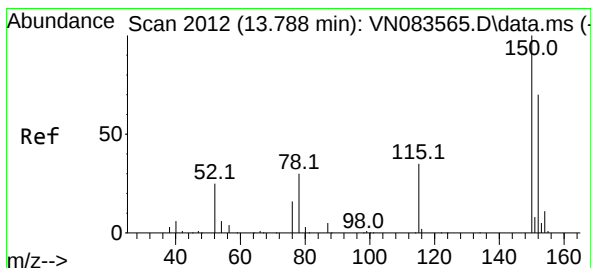
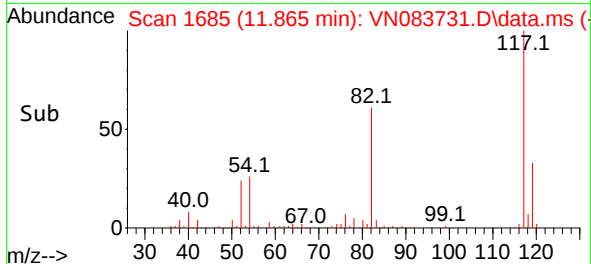
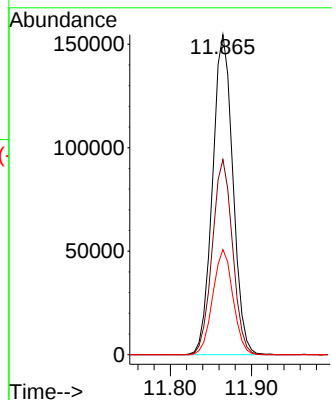
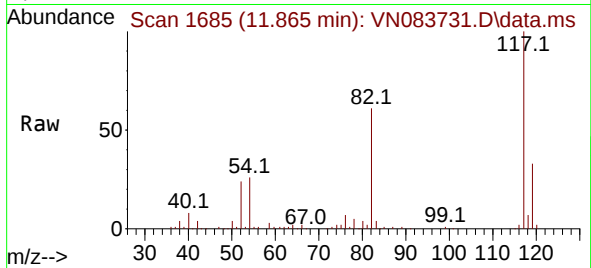




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 269240  
Ion Ratio Lower Upper  
117 100  
82 61.0 47.4 71.0  
119 32.8 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.006 min  
Lab File: VN083731.D  
Acq: 09 Sep 2024 21:00

Tgt Ion:152 Resp: 127179  
Ion Ratio Lower Upper  
152 100  
115 64.0 32.2 96.6  
150 157.7 0.0 348.6

