

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121025\  
 Data File : VN088495.D  
 Acq On : 10 Dec 2025 13:25  
 Operator : JC\MD  
 Sample : Q3770-01DL 50X  
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 4207DL

Quant Time: Dec 10 16:50:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

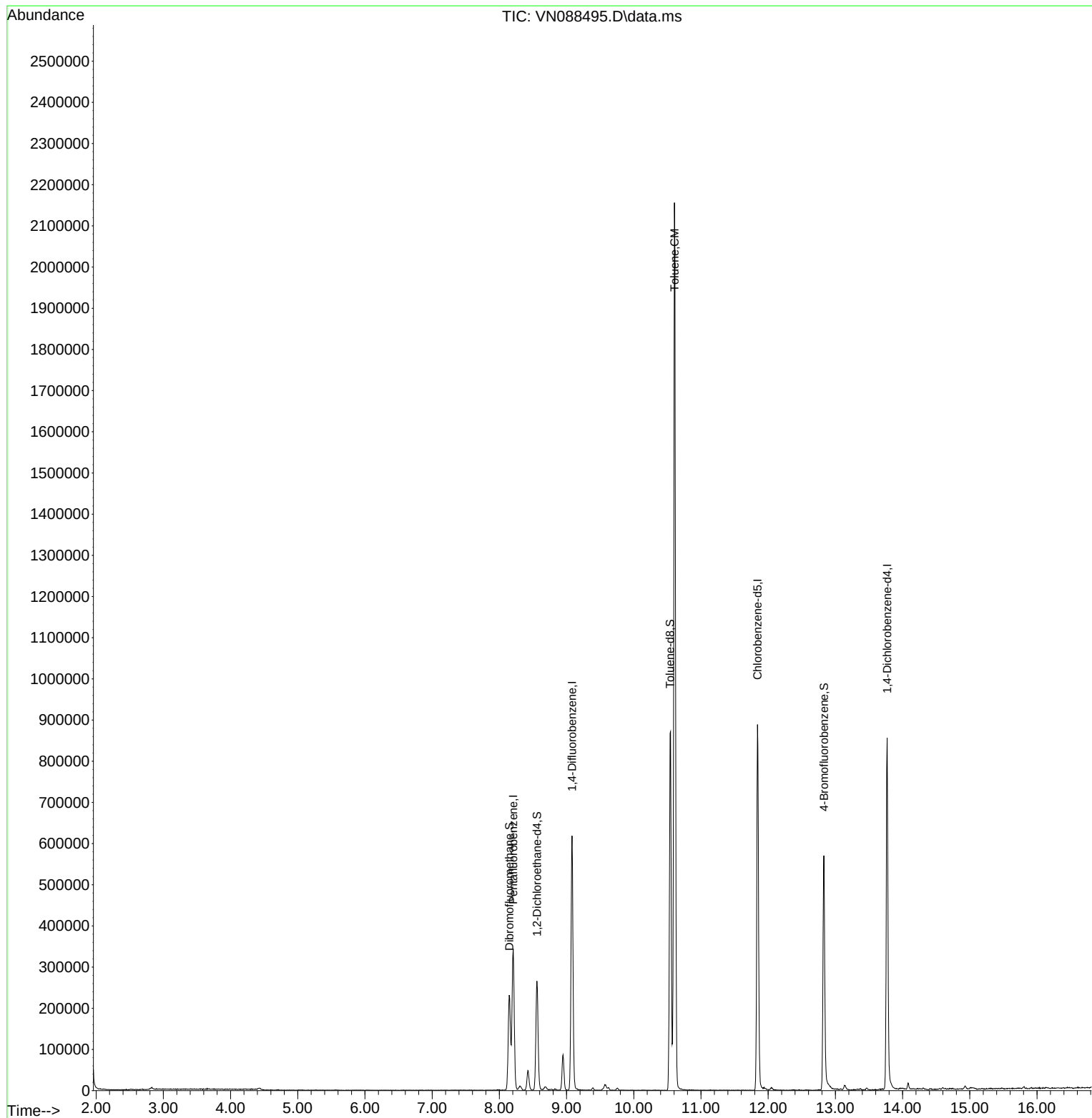
| Compound                    | R.T.           | QIon | Response            | Conc    | Units | Dev(Min)  |
|-----------------------------|----------------|------|---------------------|---------|-------|-----------|
| -----                       |                |      |                     |         |       |           |
| Internal Standards          |                |      |                     |         |       |           |
| 1) Pentafluorobenzene       | 8.206          | 168  | 203941              | 50.000  | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 9.082          | 114  | 485423              | 50.000  | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.841         | 117  | 472806              | 50.000  | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.770         | 152  | 220117              | 50.000  | ug/l  | 0.00      |
|                             |                |      |                     |         |       |           |
| System Monitoring Compounds |                |      |                     |         |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.559          | 65   | 226681              | 59.003  | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 118.000% |         |       |           |
| 35) Dibromofluoromethane    | 8.147          | 113  | 164875              | 49.012  | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 98.020%  |         |       |           |
| 50) Toluene-d8              | 10.541         | 98   | 576022              | 46.021  | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 92.040%  |         |       |           |
| 62) 4-Bromofluorobenzene    | 12.829         | 95   | 210812              | 49.087  | ug/l  | 0.00      |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 98.180%  |         |       |           |
|                             |                |      |                     |         |       |           |
| Target Compounds            |                |      |                     |         |       |           |
| 52) Toluene                 | 10.606         | 92   | 896572              | 101.901 | ug/l  | Qvalue 99 |
| -----                       |                |      |                     |         |       |           |

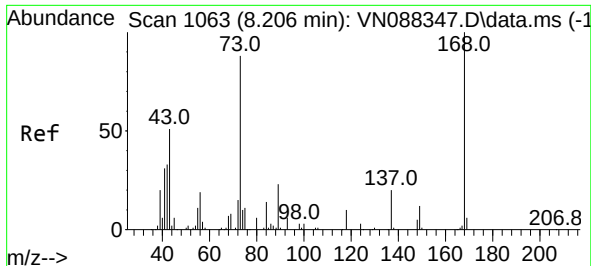
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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QLast Update : Tue Nov 25 01:34:52 2025  
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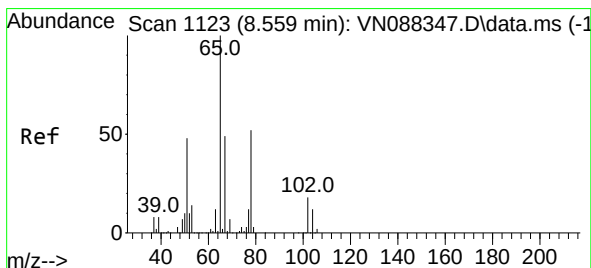
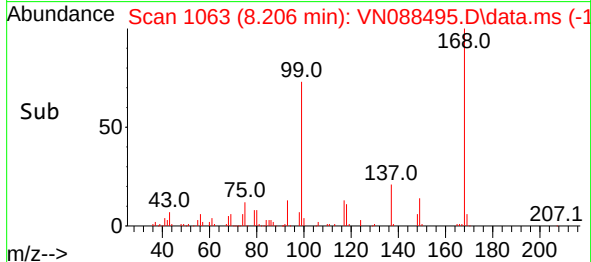
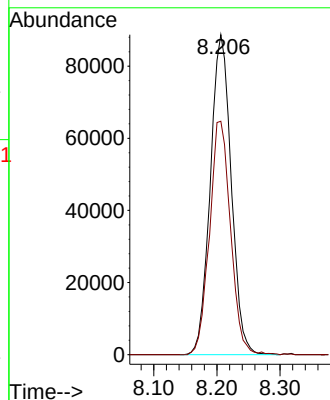
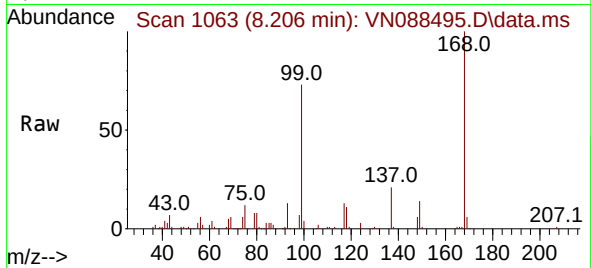




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

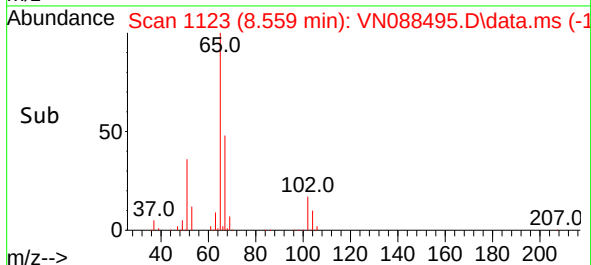
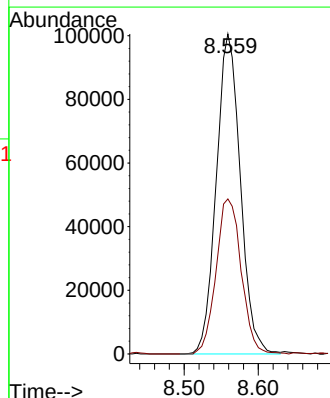
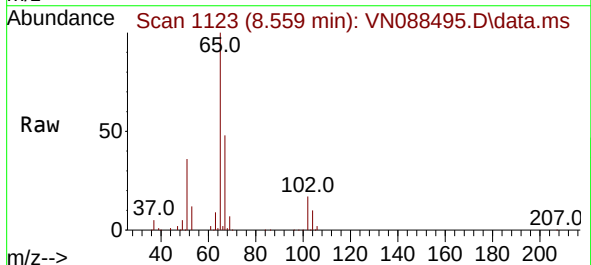
Instrument :  
MSVOA\_N  
ClientSampleId :  
4207DL

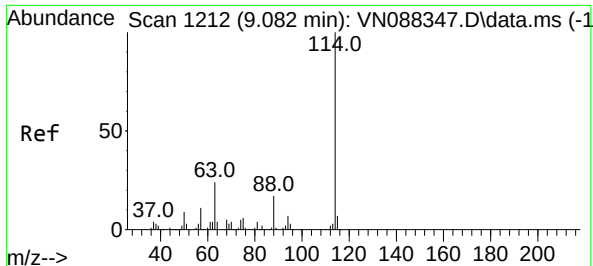
Tgt Ion:168 Resp: 203941  
Ion Ratio Lower Upper  
168 100  
99 73.0 57.1 85.7



#33  
1,2-Dichloroethane-d4  
Concen: 59.003 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

Tgt Ion: 65 Resp: 226681  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.8

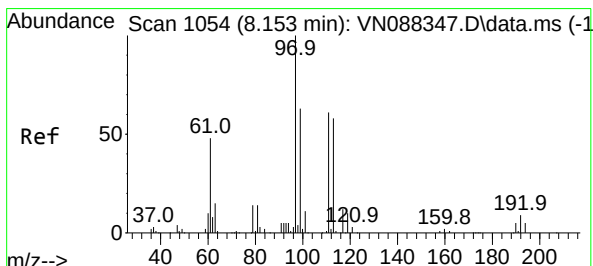
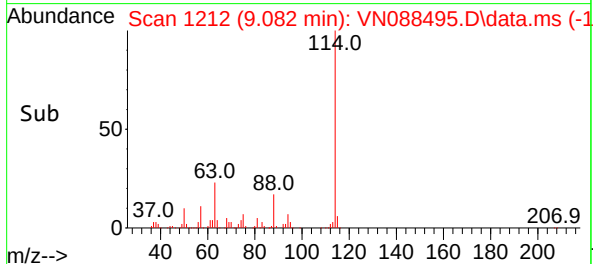
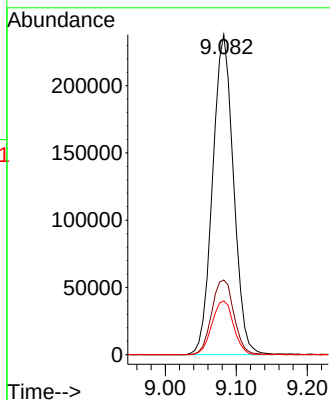
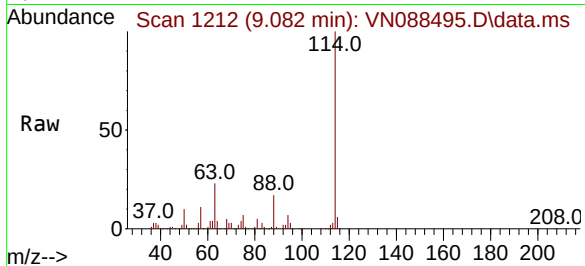




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.082 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

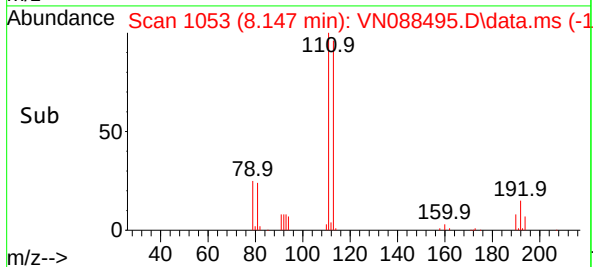
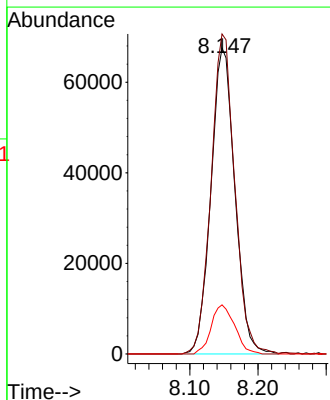
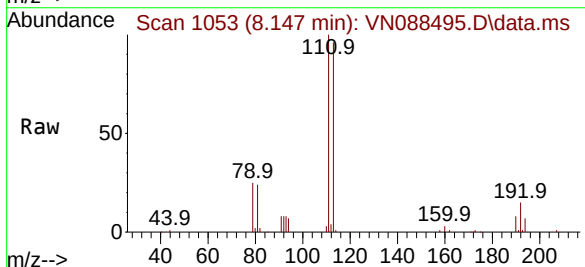
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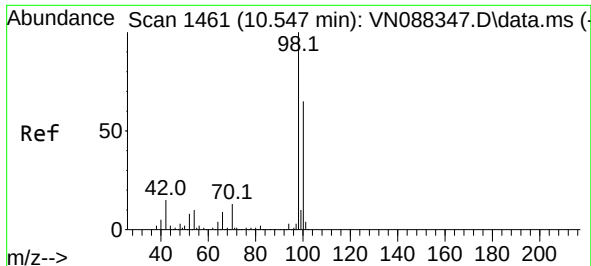
Tgt Ion:114 Resp: 485423  
Ion Ratio Lower Upper  
114 100  
63 23.3 0.0 49.0  
88 16.8 0.0 34.0



#35  
Dibromofluoromethane  
Concen: 49.012 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

Tgt Ion:113 Resp: 164875  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.5 123.7  
192 15.8 12.8 19.2

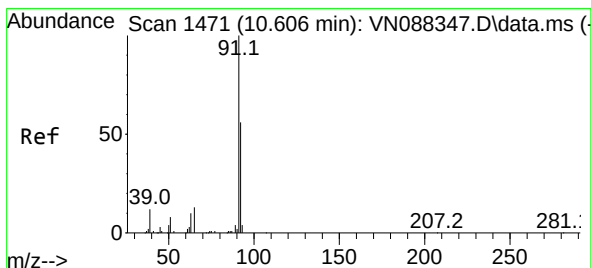
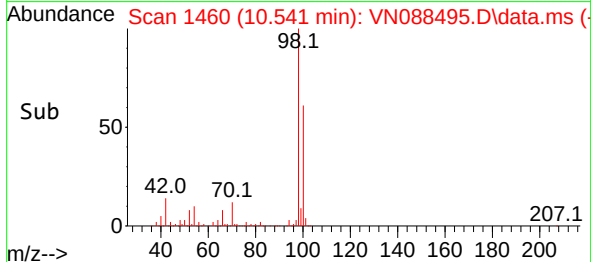
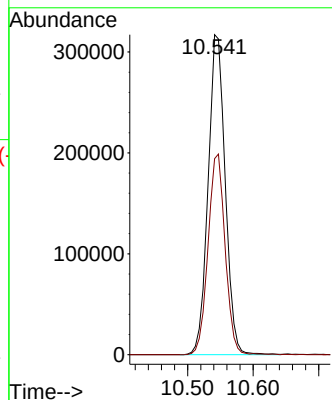
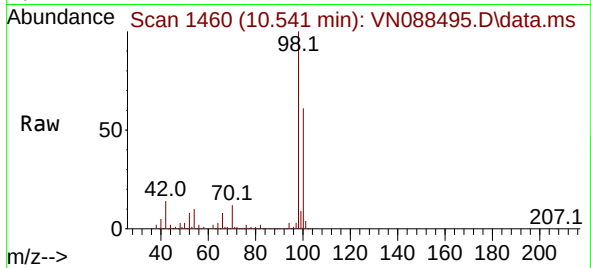




#50  
Toluene-d8  
Concen: 46.021 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

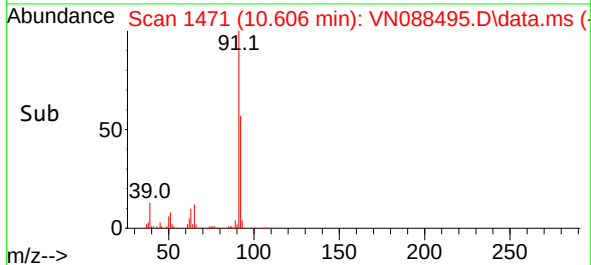
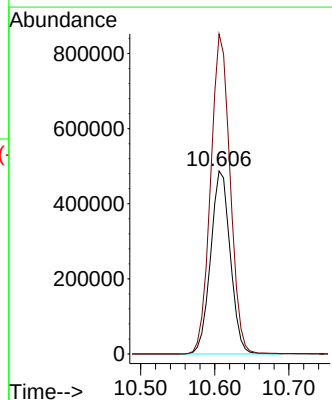
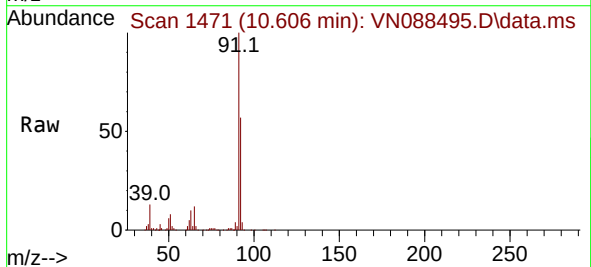
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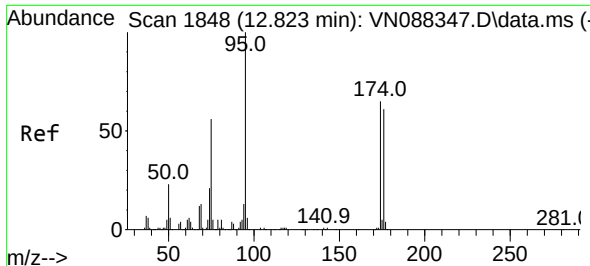
Tgt Ion: 98 Resp: 576022  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.2 78.2



#52  
Toluene  
Concen: 101.901 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

Tgt Ion: 92 Resp: 896572  
Ion Ratio Lower Upper  
92 100  
91 173.8 140.2 210.2

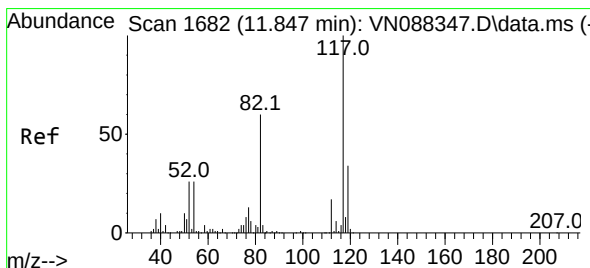
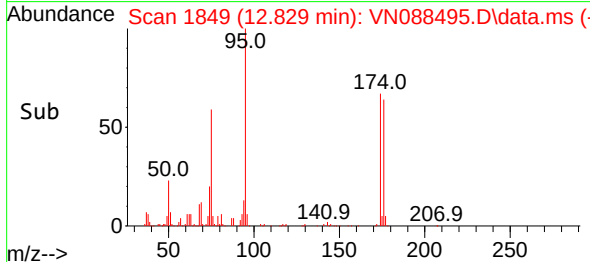
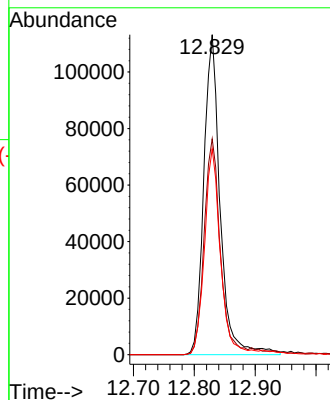
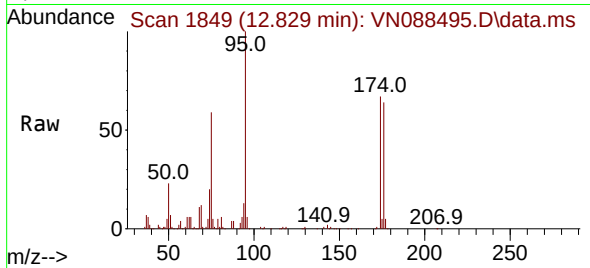




#62  
4-Bromofluorobenzene  
Concen: 49.087 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

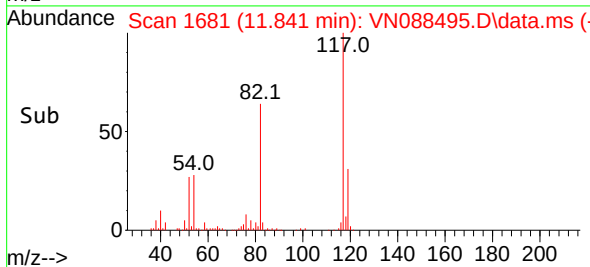
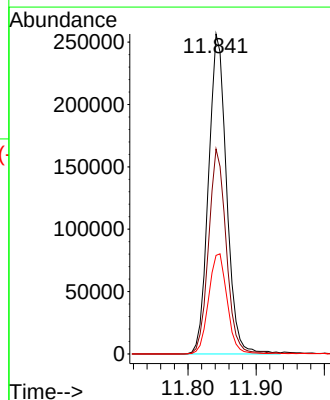
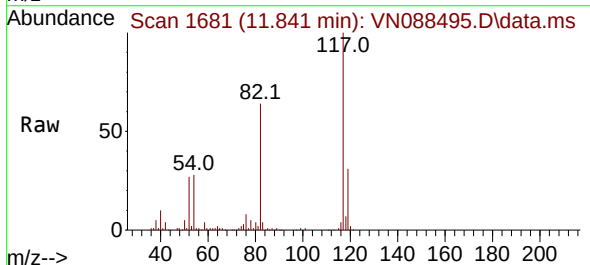
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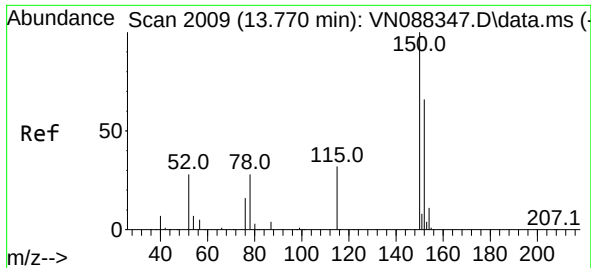
Tgt Ion: 95 Resp: 210812  
Ion Ratio Lower Upper  
95 100  
174 66.6 0.0 139.0  
176 62.8 0.0 132.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VN088495.D  
Acq: 10 Dec 2025 13:25

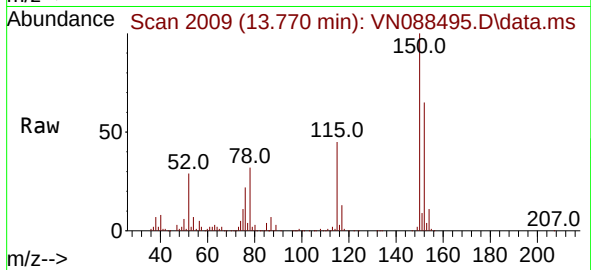
Tgt Ion: 117 Resp: 472806  
Ion Ratio Lower Upper  
117 100  
82 64.1 47.8 71.8  
119 30.8 26.9 40.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN088495.D  
 Acq: 10 Dec 2025 13:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:152 Resp: 220117  
 Ion Ratio Lower Upper  
 152 100  
 115 66.1 33.0 98.9  
 150 157.0 0.0 349.0

