

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092925\  
 Data File : VN087981.D  
 Acq On : 29 Sep 2025 14:46  
 Operator : JC\MD  
 Sample : Q3208-12  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-ESM-COMP-02

Quant Time: Sep 30 03:55:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

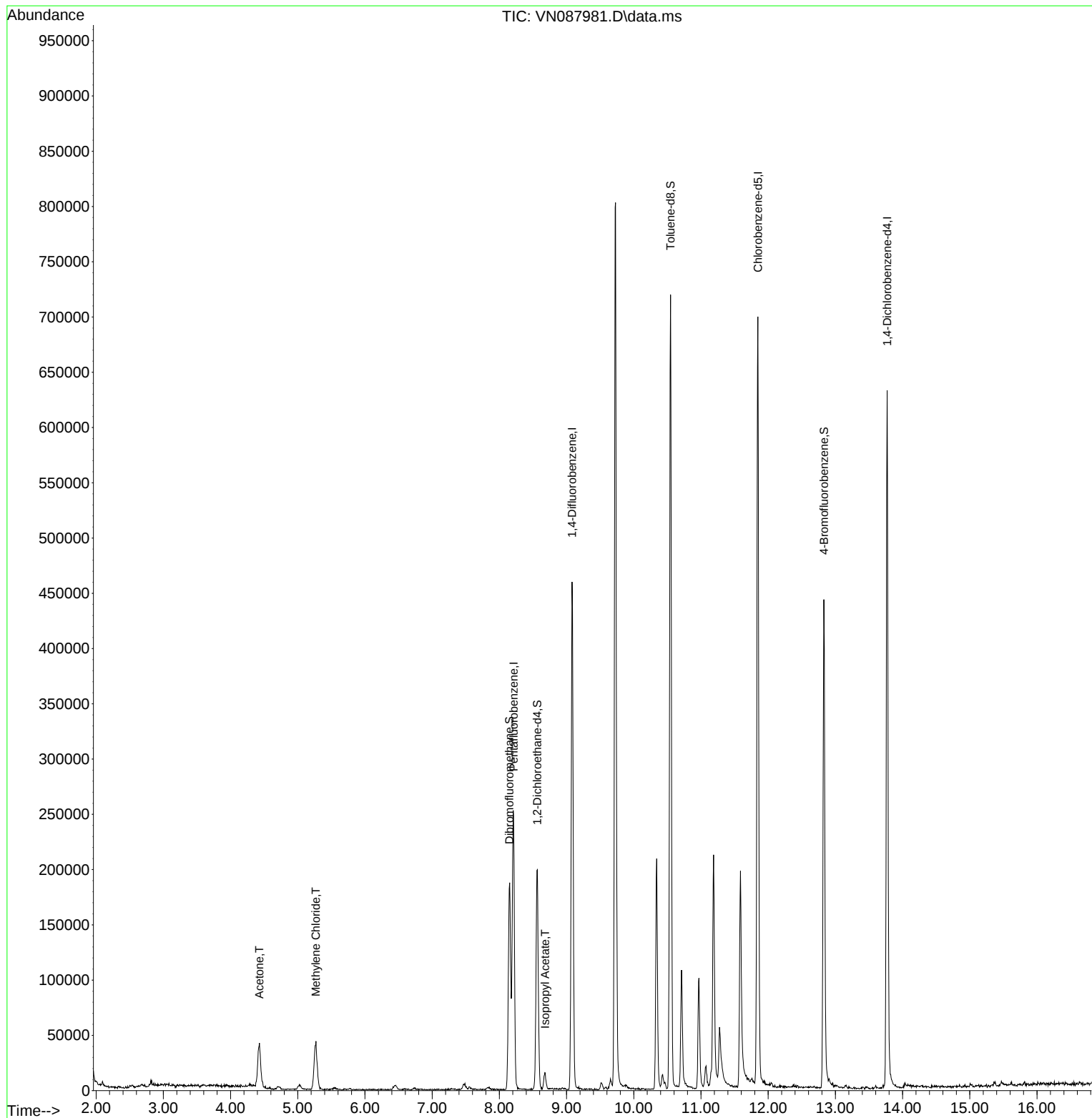
| Compound                    | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                       |           |                |          |            |        |          |
| Internal Standards          |           |                |          |            |        |          |
| 1) Pentafluorobenzene       | 8.212     | 168            | 176898   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.082     | 114            | 386906   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.847    | 117            | 391953   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.770    | 152            | 170658   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.565     | 65             | 163027   | 54.761     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 74 - 125 | Recovery | = 109.520% |        |          |
| 35) Dibromofluoromethane    | 8.147     | 113            | 134087   | 47.732     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 75 - 124 | Recovery | = 95.460%  |        |          |
| 50) Toluene-d8              | 10.547    | 98             | 478748   | 48.463     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 86 - 113 | Recovery | = 96.920%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.829    | 95             | 155741   | 44.106     | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range 77 - 121 | Recovery | = 88.220%  |        |          |
| Target Compounds            |           |                |          |            |        |          |
|                             |           |                |          |            |        | Qvalue   |
| 16) Acetone                 | 4.430     | 43             | 78560    | 64.136     | ug/l   | 93       |
| 20) Methylene Chloride      | 5.271     | 84             | 34052    | 13.734     | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.682     | 43             | 17276    | 2.474      | ug/l # | 88       |
| -----                       |           |                |          |            |        |          |

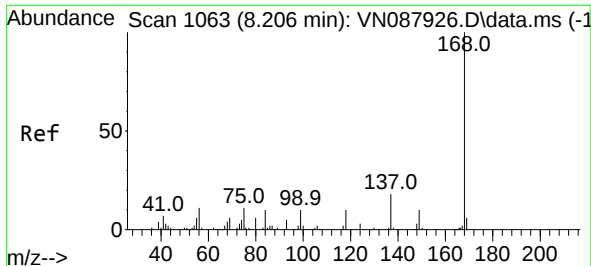
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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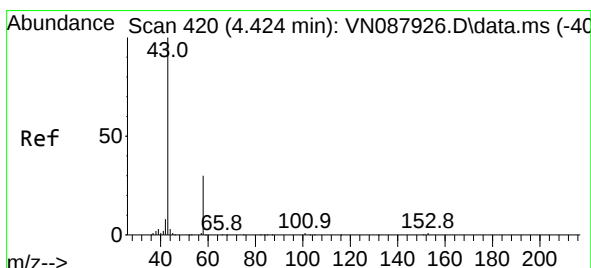
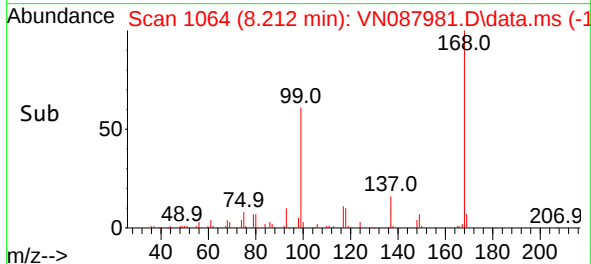
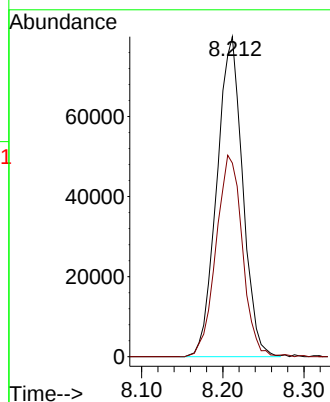
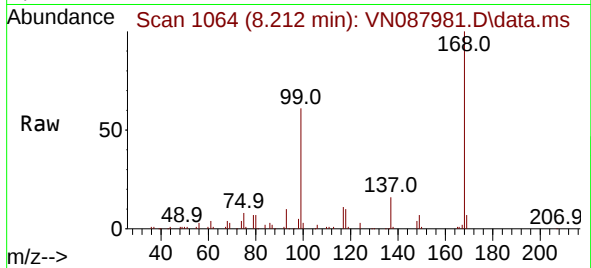




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. 0.006 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

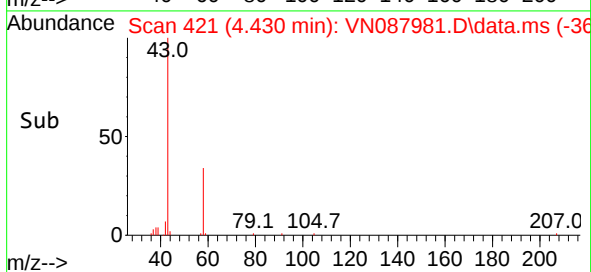
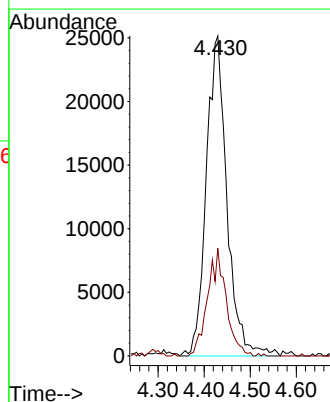
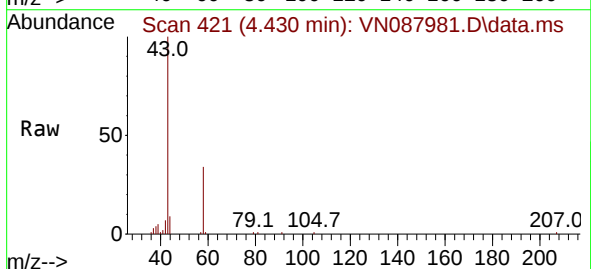
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-ESM-COMP-02

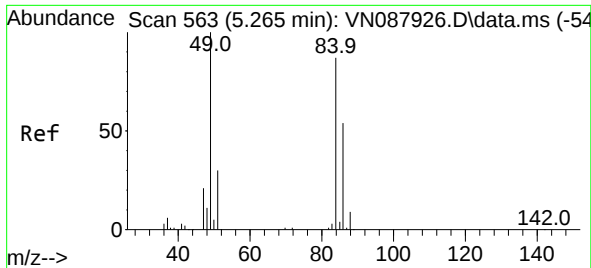
Tgt Ion:168 Resp: 176898  
Ion Ratio Lower Upper  
168 100  
99 60.5 52.2 78.2



#16  
Acetone  
Concen: 64.136 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

Tgt Ion: 43 Resp: 78560  
Ion Ratio Lower Upper  
43 100  
58 33.7 24.1 36.1

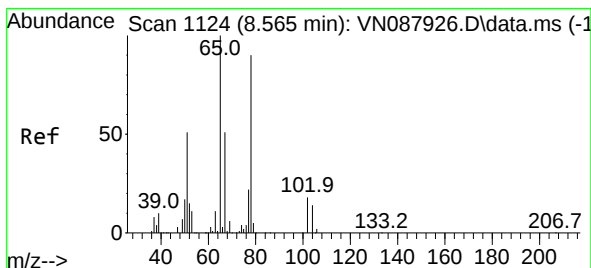
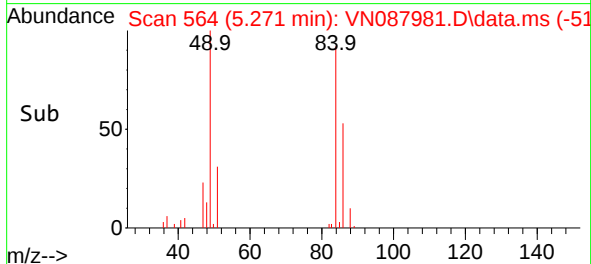
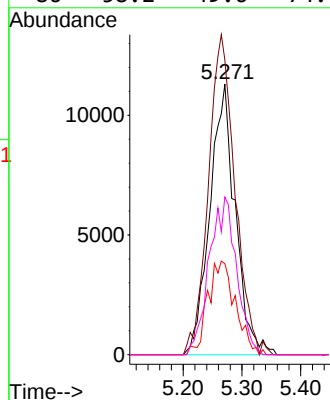
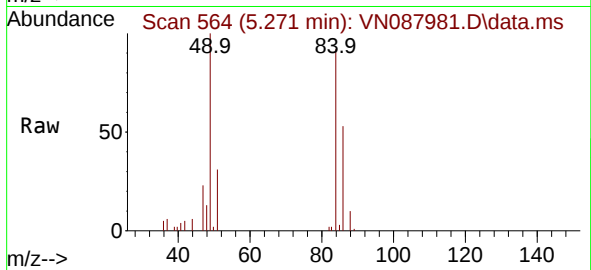




#20  
Methylene Chloride  
Concen: 13.734 ug/l  
RT: 5.271 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

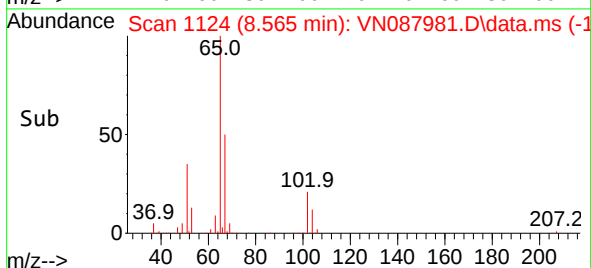
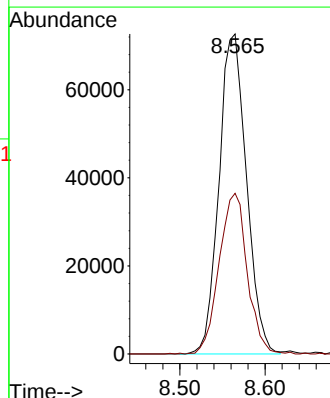
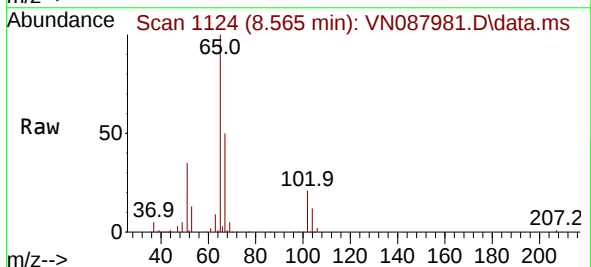
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-ESM-COMP-02

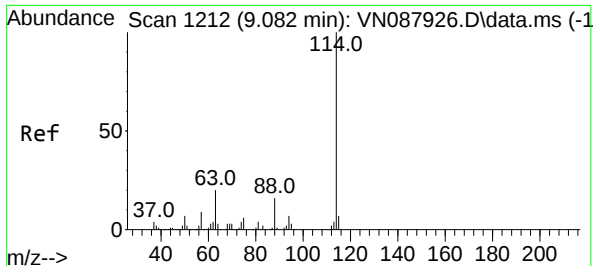
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 34052 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.9 | 92.1  | 138.1 |
| 51       | 33.7  | 27.7  | 41.5  |
| 86       | 58.2  | 49.6  | 74.4  |



#33  
1,2-Dichloroethane-d4  
Concen: 54.761 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. -0.000 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 163027 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.4  | 0.0   | 103.4  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087981.D

Acq: 29 Sep 2025 14:46

Instrument :

MSVOA\_N

ClientSampleId :

SU-ESM-COMP-02

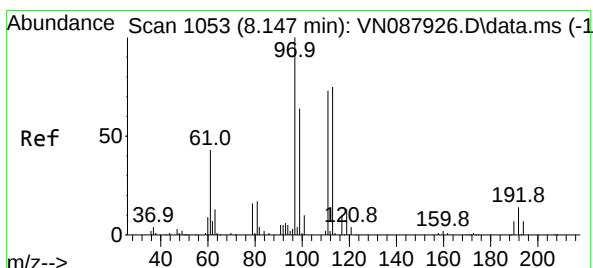
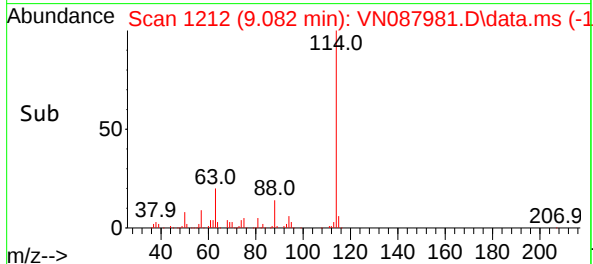
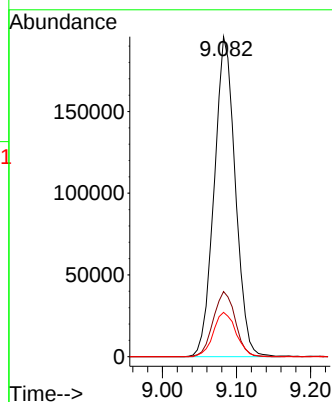
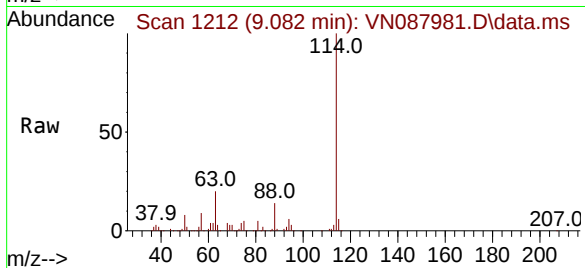
Tgt Ion:114 Resp: 386906

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.732 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VN087981.D

Acq: 29 Sep 2025 14:46

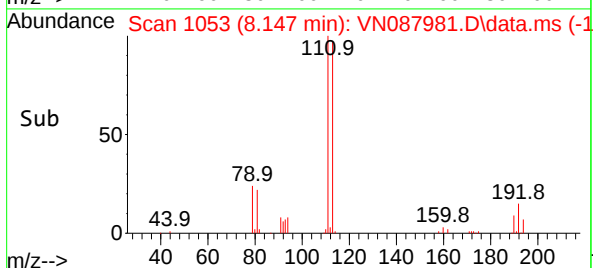
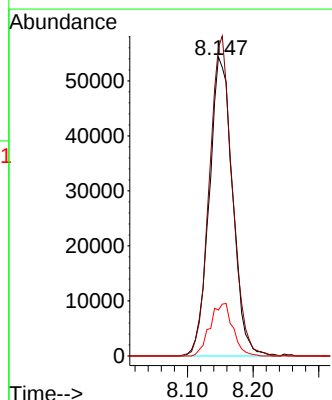
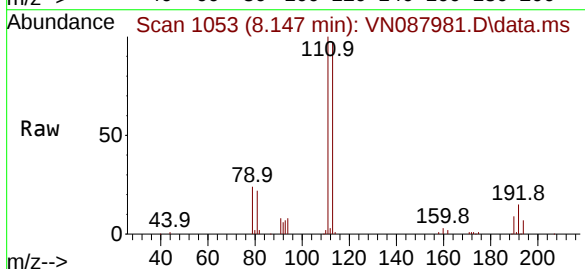
Tgt Ion:113 Resp: 134087

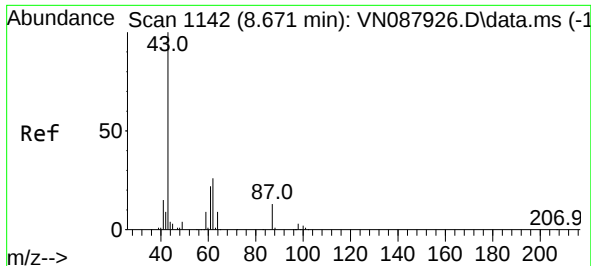
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.2

192 17.2 14.2 21.2





#43

Isopropyl Acetate

Concen: 2.474 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN087981.D

Acq: 29 Sep 2025 14:46

Instrument :

MSVOA\_N

ClientSampleId :

SU-ESM-COMP-02

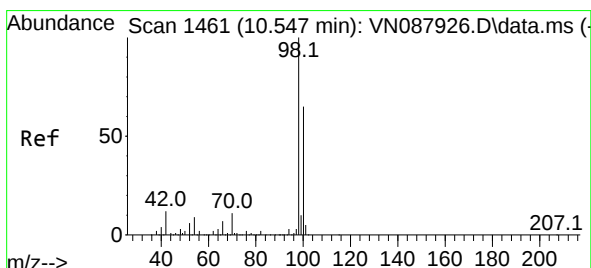
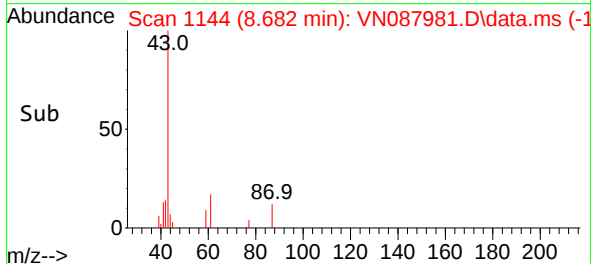
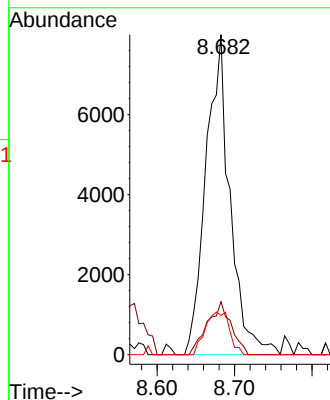
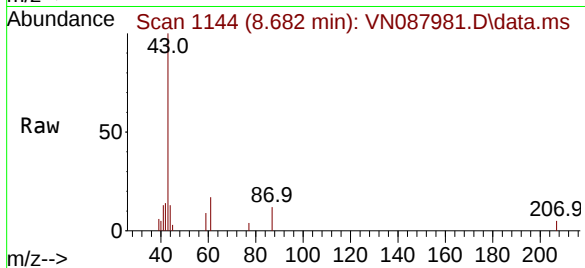
Tgt Ion: 43 Resp: 17276

Ion Ratio Lower Upper

43 100

61 16.4 20.2 30.2#

87 13.5 10.9 16.3



#50

Toluene-d8

Concen: 48.463 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087981.D

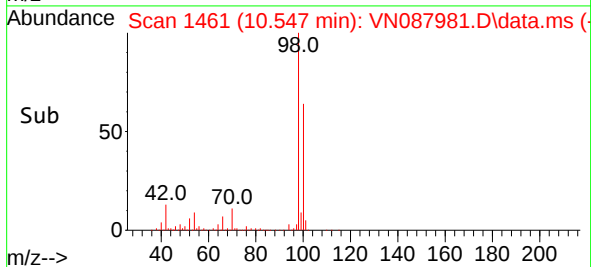
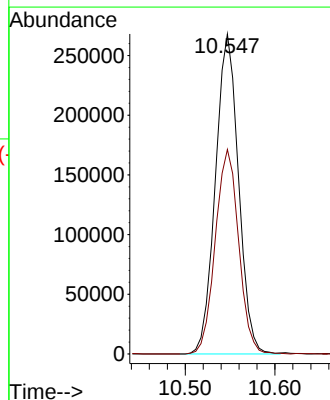
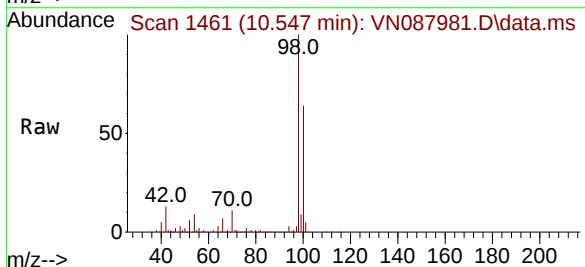
Acq: 29 Sep 2025 14:46

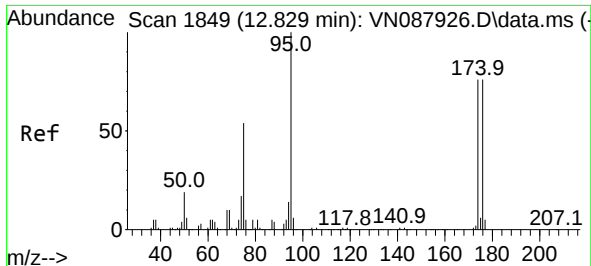
Tgt Ion: 98 Resp: 478748

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

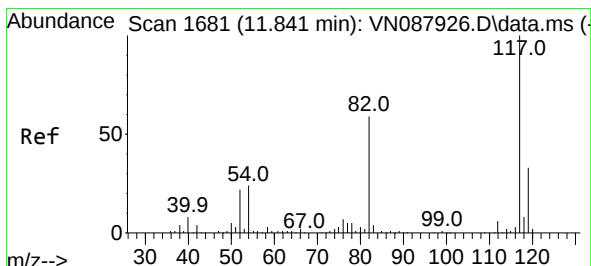
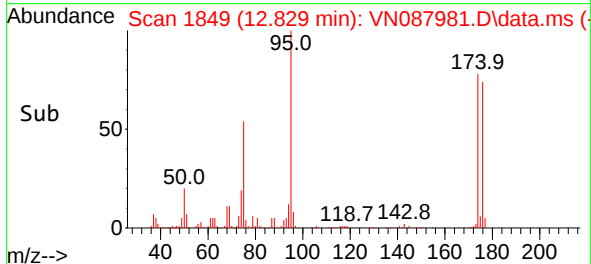
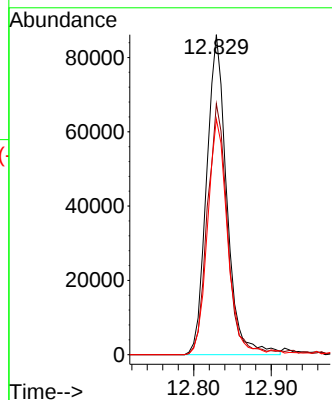
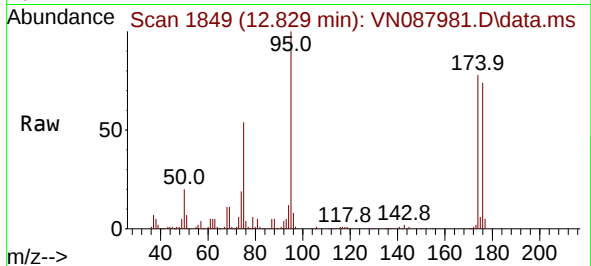




#62  
4-Bromofluorobenzene  
Concen: 44.106 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

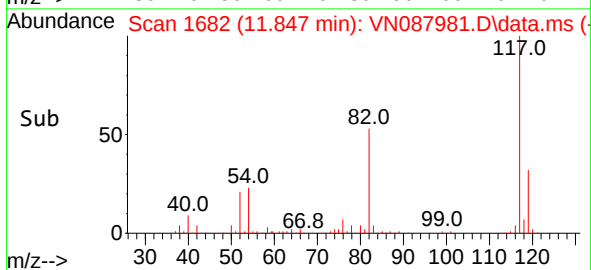
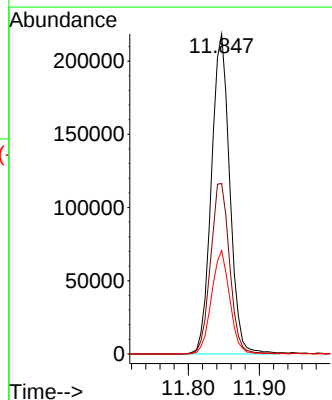
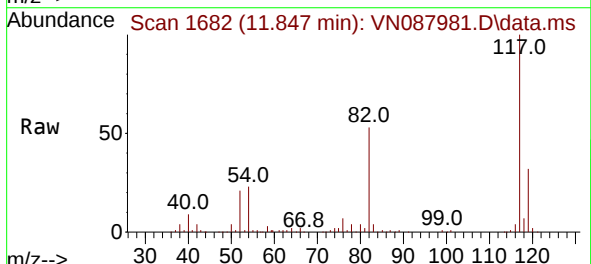
Instrument :  
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SU-ESM-COMP-02

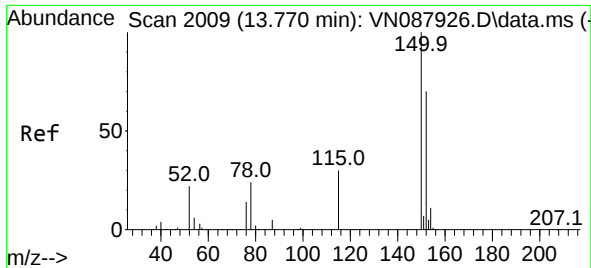
Tgt Ion: 95 Resp: 155741  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 159.2  
176 72.7 0.0 152.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. 0.006 min  
Lab File: VN087981.D  
Acq: 29 Sep 2025 14:46

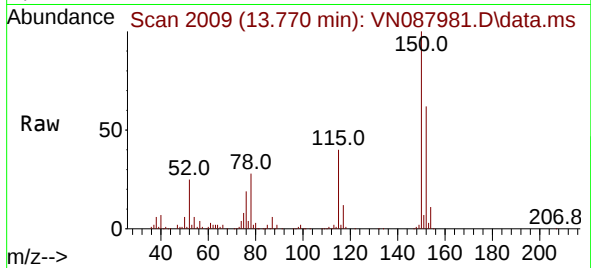
Tgt Ion: 117 Resp: 391953  
Ion Ratio Lower Upper  
117 100  
82 53.3 47.0 70.4  
119 32.3 26.1 39.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.770 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN087981.D  
 Acq: 29 Sep 2025 14:46

Instrument :  
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Tgt Ion:152 Resp: 170658  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 62.3  | 29.9  | 89.7  |
| 150 | 162.9 | 0.0   | 335.0 |

