

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102524\  
 Data File : VN084508.D  
 Acq On : 25 Oct 2024 11:51  
 Operator : JC\MD  
 Sample : VN1025WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 25 23:30:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 01 07:11:01 2024  
 Response via : Initial Calibration

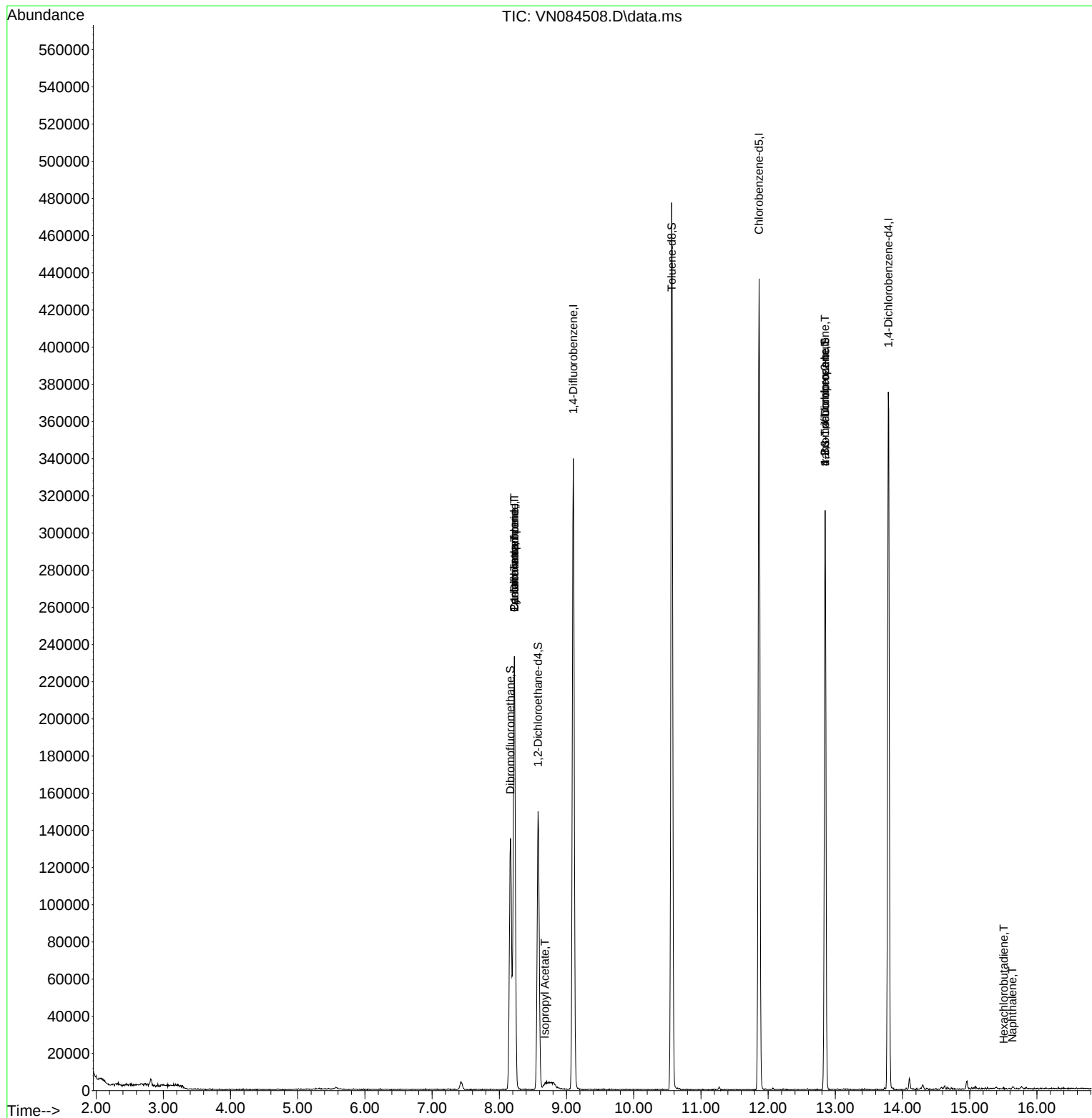
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 8.224  | 168            | 159284   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114            | 289382   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117            | 249149   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152            | 102517   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577  | 65             | 123323   | 52.218     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 125 | Recovery | = 104.440% |        |          |
| 35) Dibromofluoromethane      | 8.165  | 113            | 98022    | 51.380     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 102.760% |        |          |
| 50) Toluene-d8                | 10.565 | 98             | 326081   | 46.457     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 86 - 113 | Recovery | = 92.920%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95             | 110012   | 43.023     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 77 - 121 | Recovery | = 86.040%  |        |          |
| Target Compounds              |        |                |          |            |        |          |
|                               |        |                |          |            | Qvalue |          |
| 31) Cyclohexane               | 8.224  | 56             | 3836     | 1.097      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.224  | 75             | 13716    | 4.950      | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 8.224  | 117            | 17874    | 5.880      | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.677  | 43             | 2627     | 0.472      | ug/l # | 56       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75             | 58256    | 27.835     | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75             | 58256    | 66.733     | ug/l # | 11       |
| 94) Hexachlorobutadiene       | 15.506 | 225            | 180      | 0.211      | ug/l # | 56       |
| 95) Naphthalene               | 15.635 | 128            | 1487     | 0.262      | ug/l # | 69       |
| -----                         |        |                |          |            |        |          |

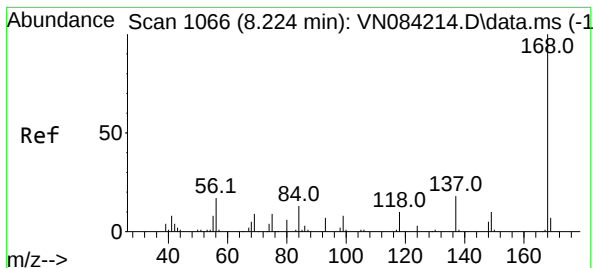
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

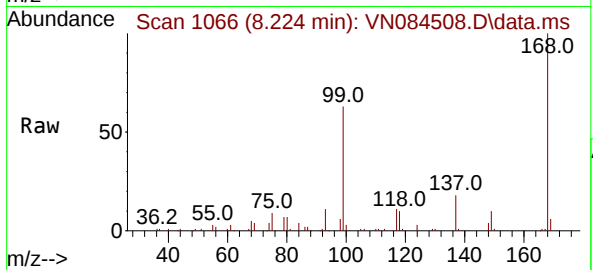
Quant Time: Oct 25 23:30:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N093024W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 01 07:11:01 2024  
Response via : Initial Calibration



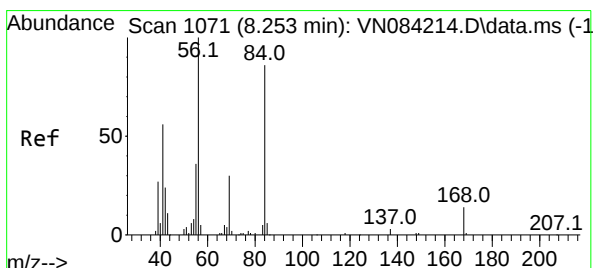
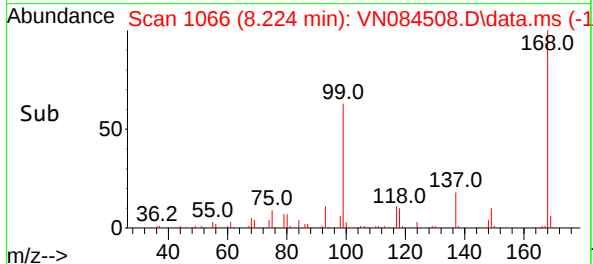
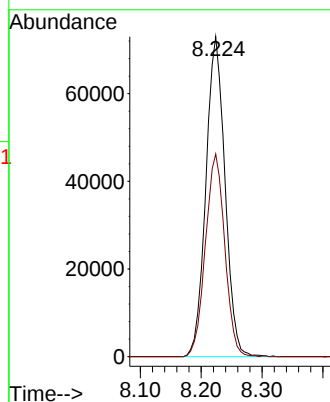


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

Instrument :  
MSVOA\_N  
ClientSampleId :

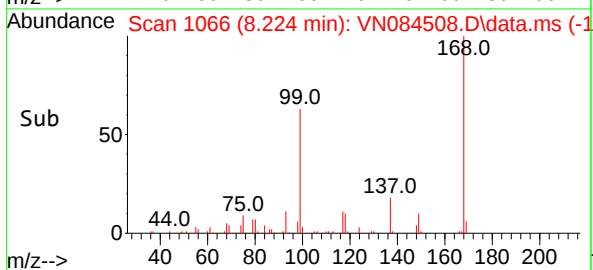
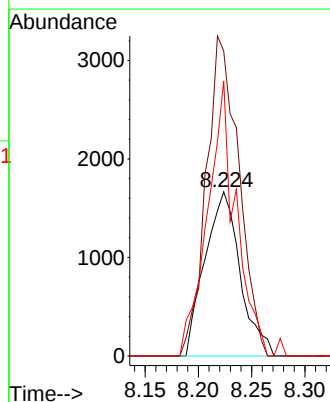
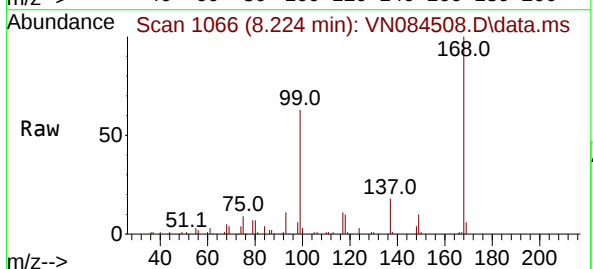


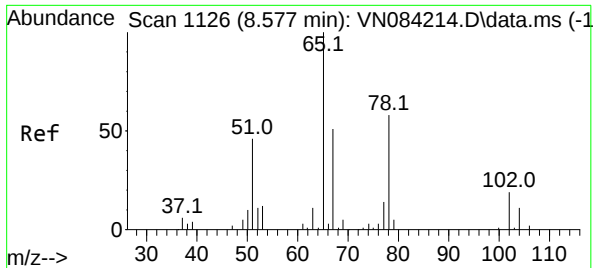
Tgt Ion:168 Resp: 159284  
Ion Ratio Lower Upper  
168 100  
99 63.4 54.2 81.2



#31  
Cyclohexane  
Concen: 1.097 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

Tgt Ion: 56 Resp: 3836  
Ion Ratio Lower Upper  
56 100  
69 185.7 23.8 35.6#  
84 167.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.218 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

Instrument :

MSVOA\_N

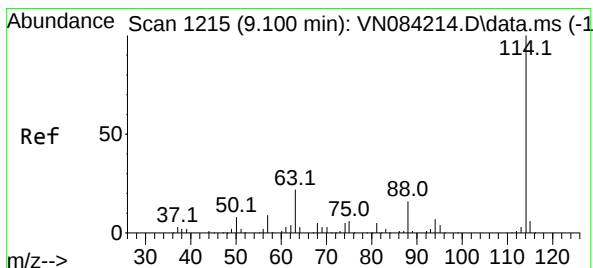
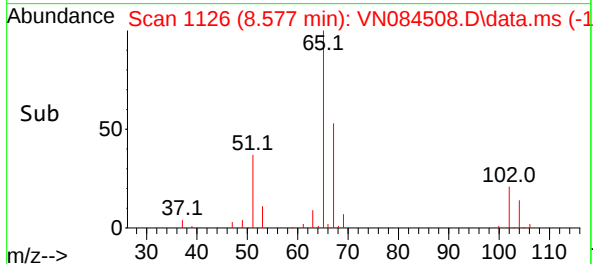
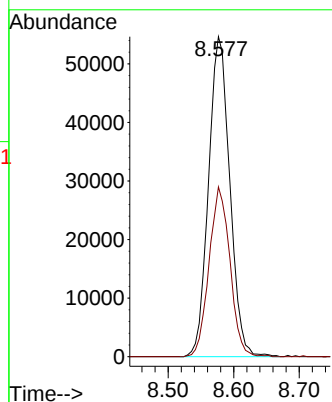
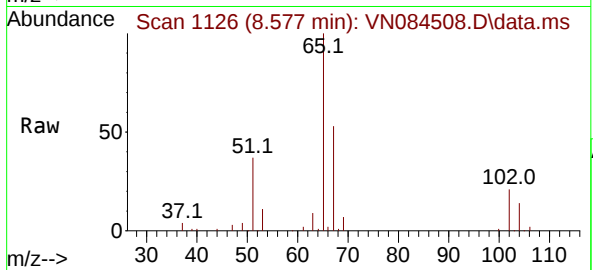
ClientSampleId :

Tgt Ion: 65 Resp: 123323

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

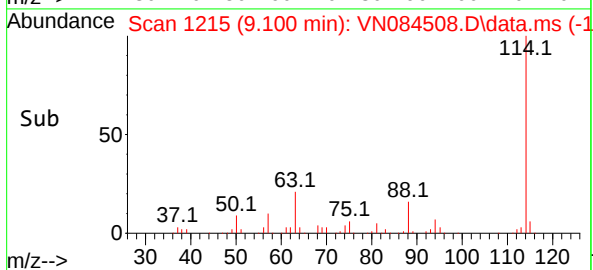
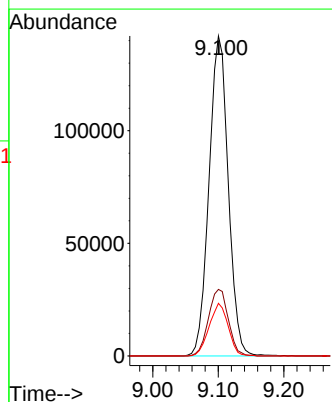
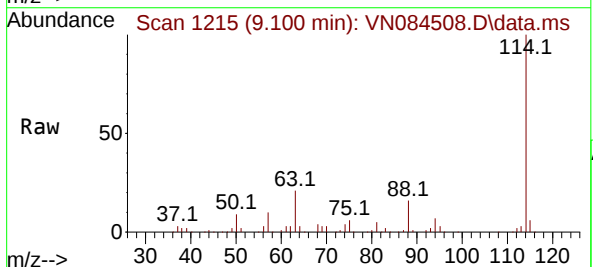
Tgt Ion: 114 Resp: 289382

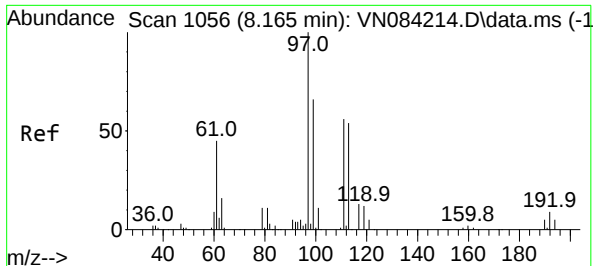
Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.8

88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.380 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

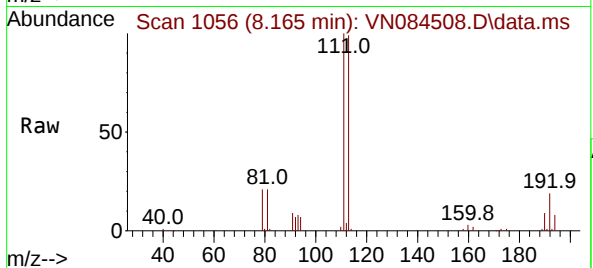
Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

Instrument :

MSVOA\_N

ClientSampleId :



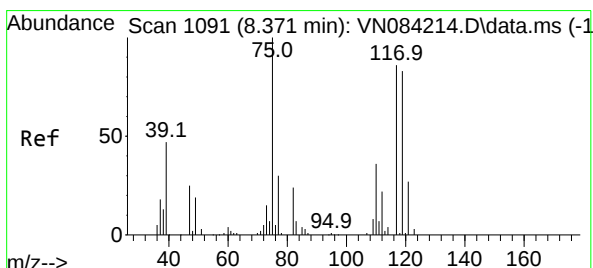
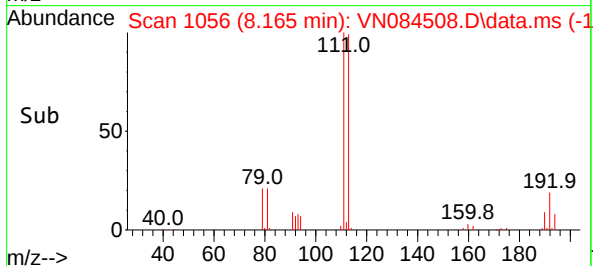
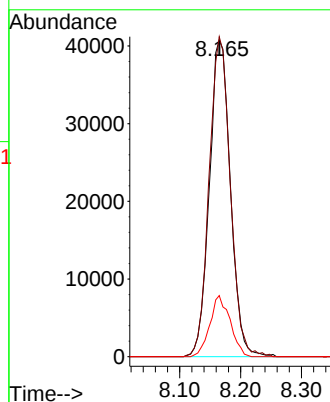
Tgt Ion:113 Resp: 98022

Ion Ratio Lower Upper

113 100

111 101.4 83.3 124.9

192 18.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

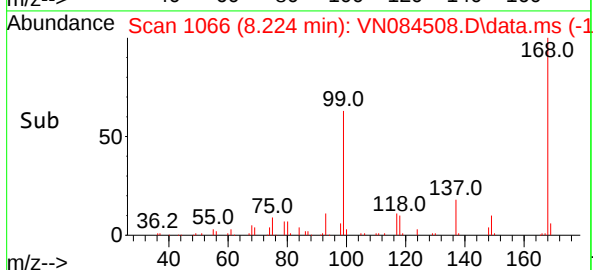
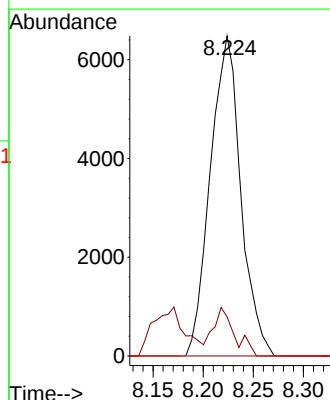
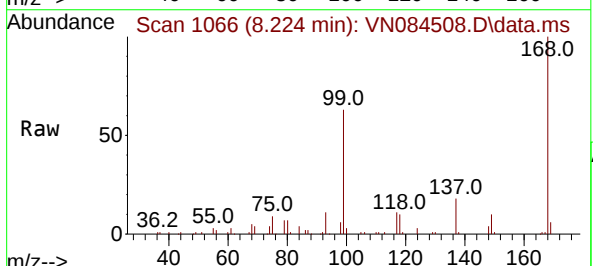
Tgt Ion: 75 Resp: 13716

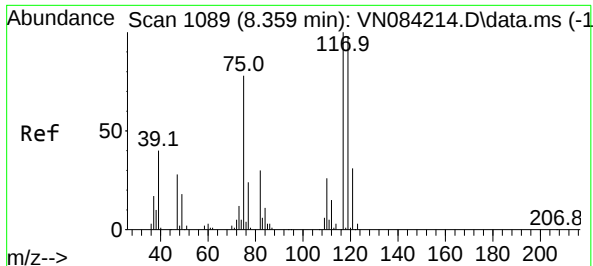
Ion Ratio Lower Upper

75 100

110 10.6 16.9 50.7#

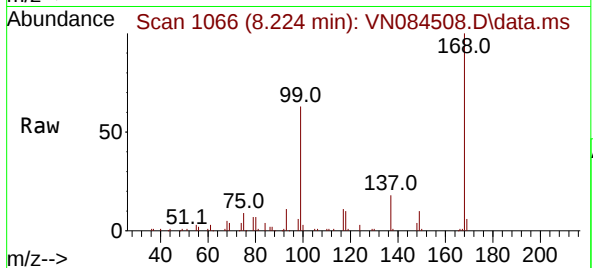
77 0.0 24.7 37.1#



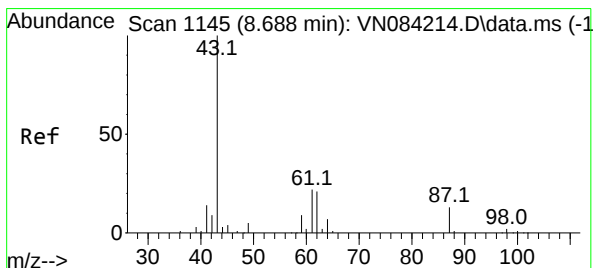
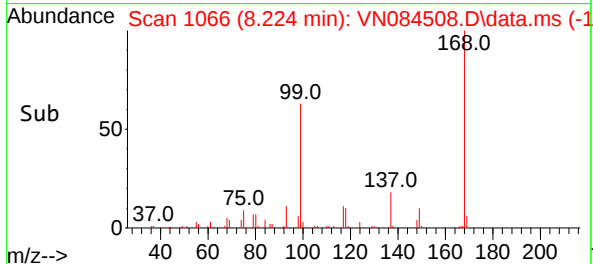
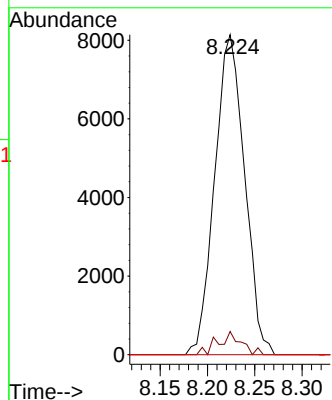


#38  
Carbon Tetrachloride  
Concen: 5.880 ug/l  
RT: 8.224 min Scan# 11066  
Delta R.T. -0.135 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

Instrument :  
MSVOA\_N  
ClientSampleId :

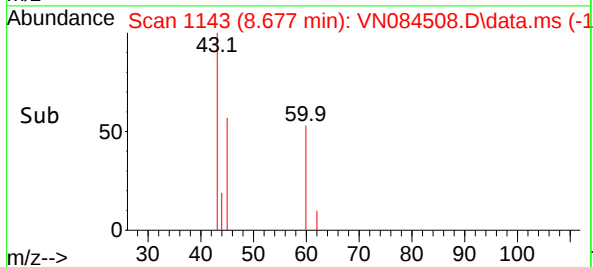
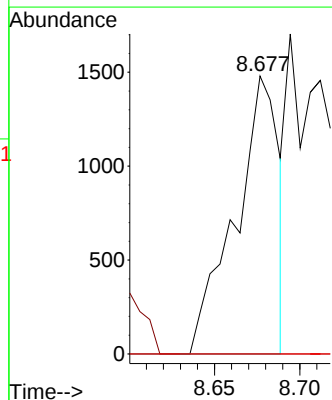
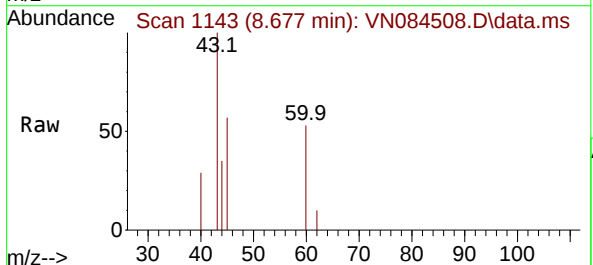


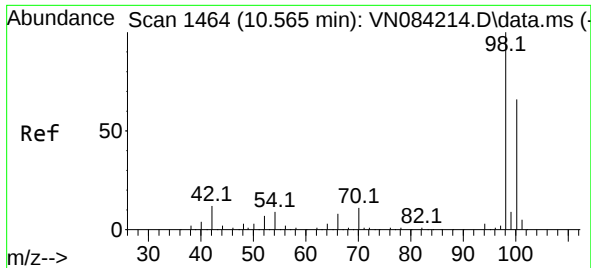
Tgt Ion:117 Resp: 17874  
Ion Ratio Lower Upper  
117 100  
119 7.3 78.7 118.1#  
121 0.0 24.4 36.6#



#43  
Isopropyl Acetate  
Concen: 0.472 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.012 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

Tgt Ion: 43 Resp: 2627  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.3 15.5#

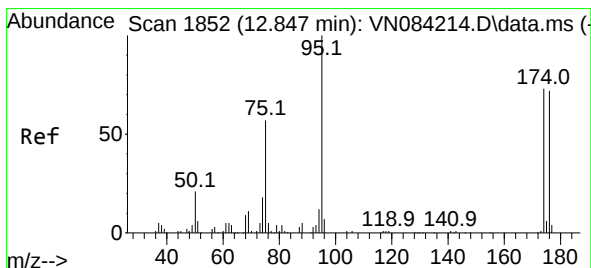
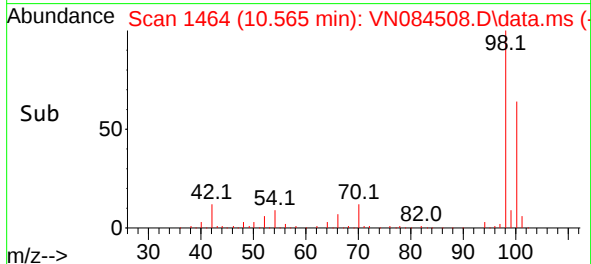
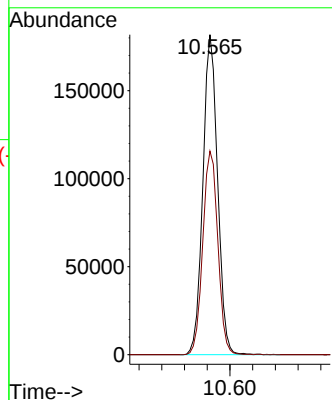
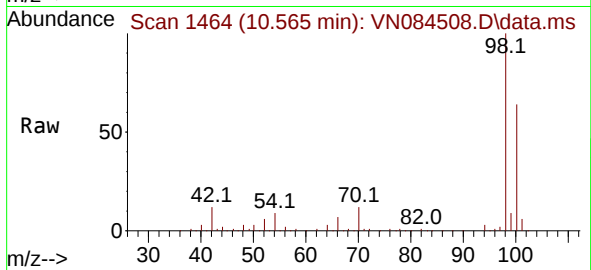




#50  
Toluene-d8  
Concen: 46.457 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

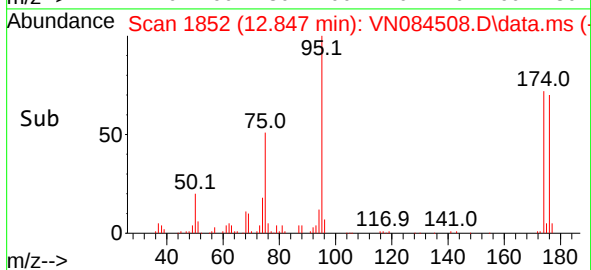
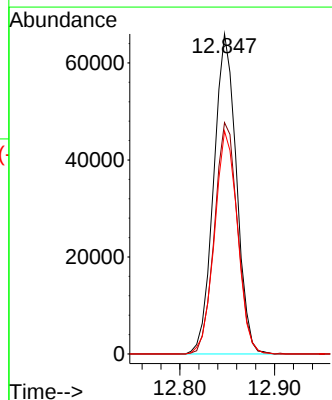
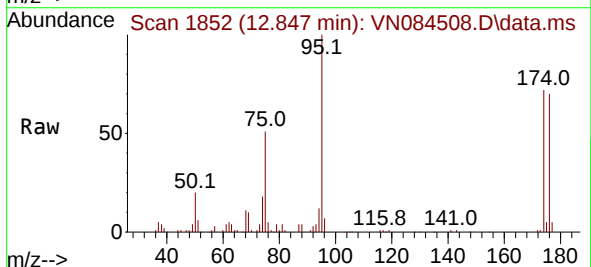
Instrument :  
MSVOA\_N  
ClientSampleId :

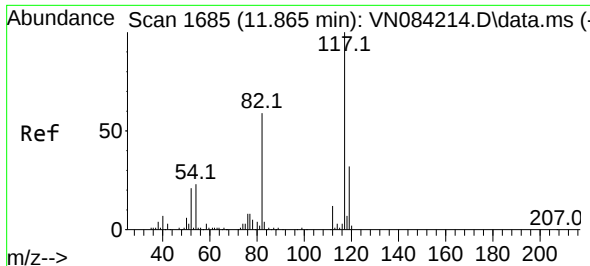
Tgt Ion: 98 Resp: 326081  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 43.023 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

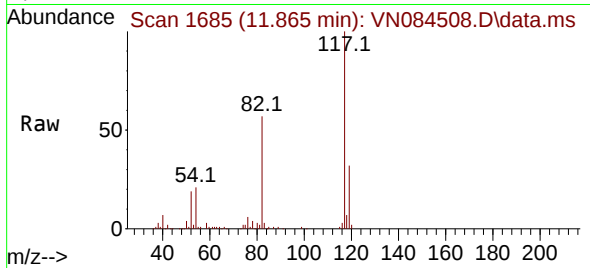
Tgt Ion: 95 Resp: 110012  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 145.2  
176 70.4 0.0 140.0



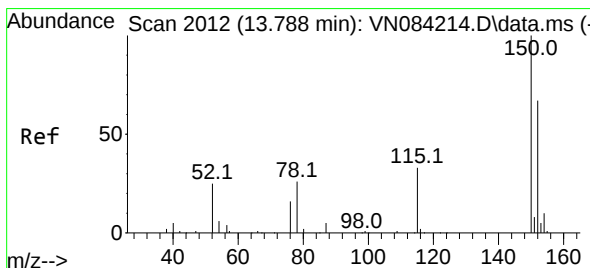
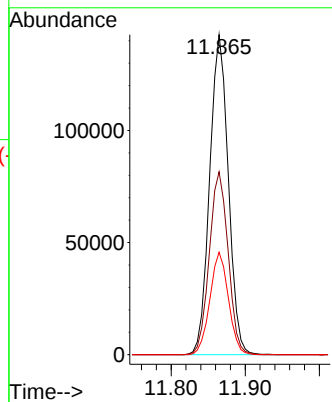
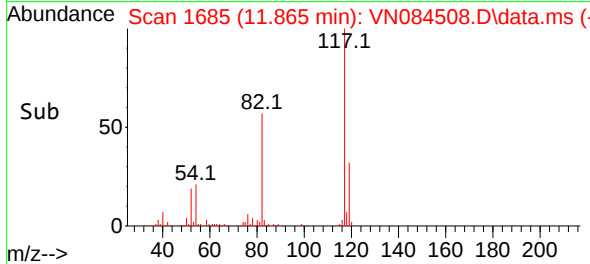


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

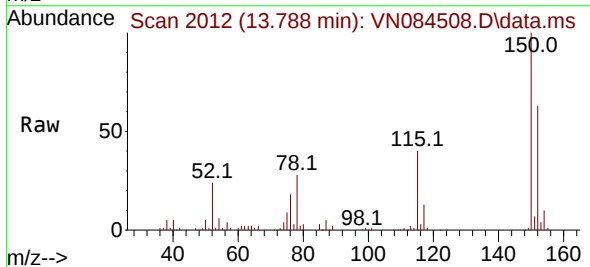
Instrument :  
MSVOA\_N  
ClientSampleId :



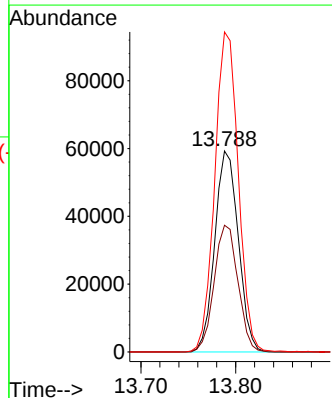
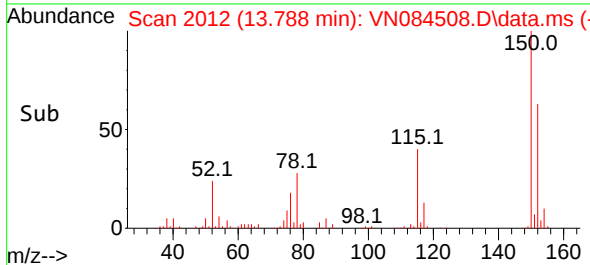
Tgt Ion:117 Resp: 249149  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.2 70.8  
119 32.0 25.4 38.0

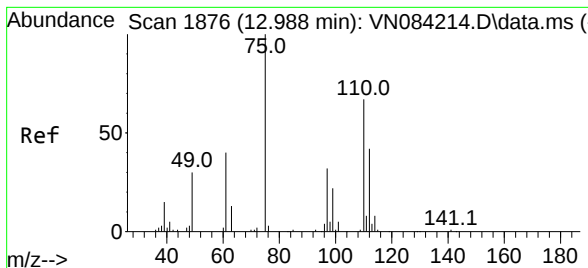


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51



Tgt Ion:152 Resp: 102517  
Ion Ratio Lower Upper  
152 100  
115 63.6 31.3 93.9  
150 159.3 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 27.835 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

Instrument :

MSVOA\_N

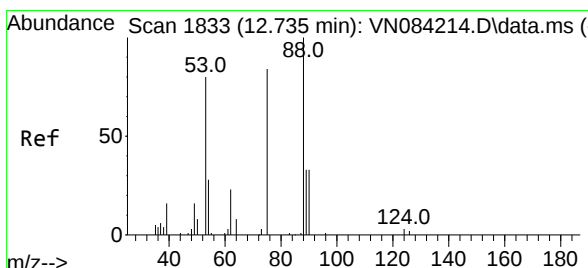
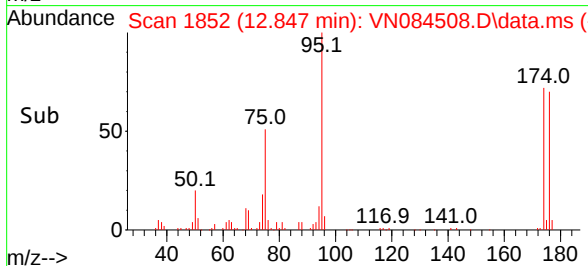
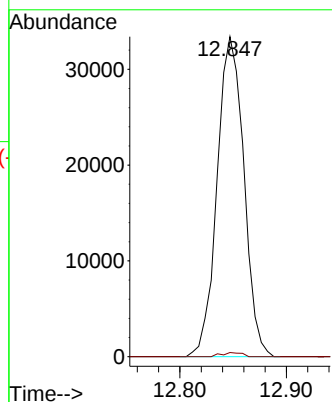
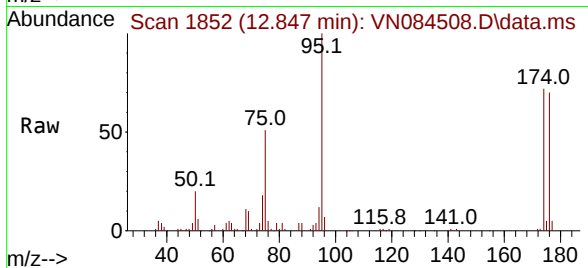
ClientSampleId :

Tgt Ion: 75 Resp: 58256

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.733 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084508.D

Acq: 25 Oct 2024 11:51

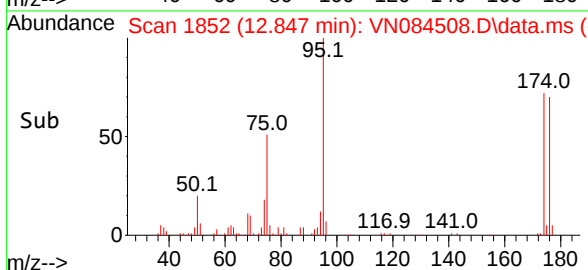
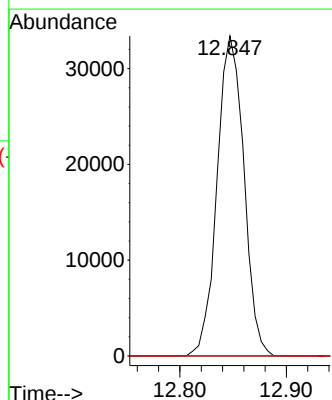
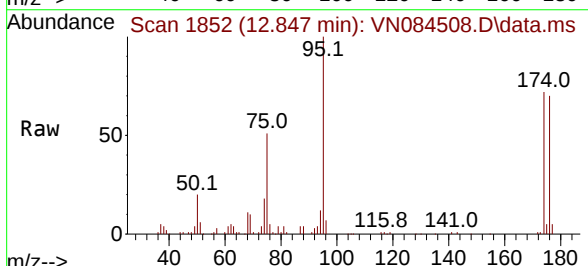
Tgt Ion: 75 Resp: 58256

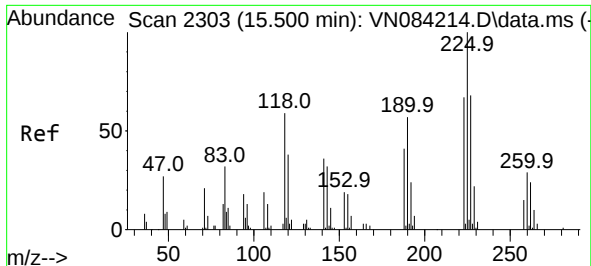
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

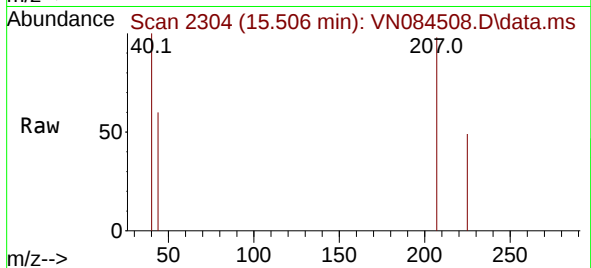
89 0.0 35.5 53.3#



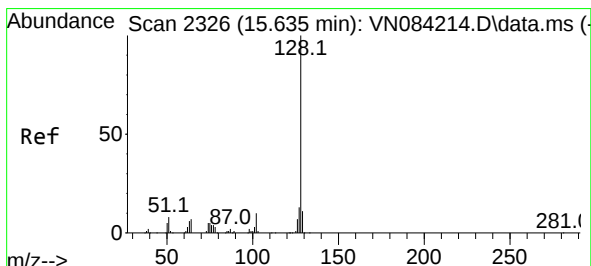
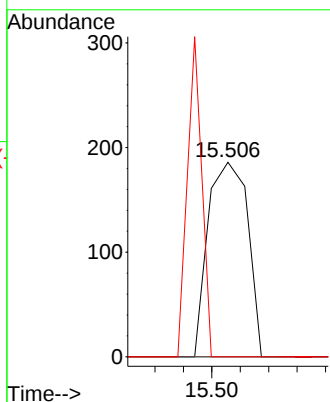
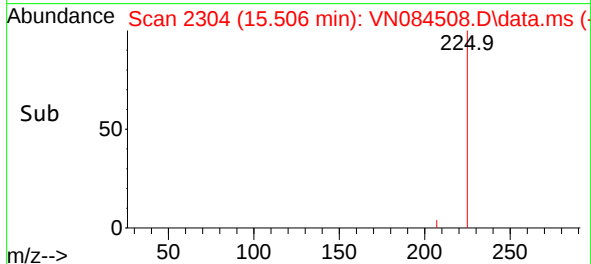


#94  
Hexachlorobutadiene  
Concen: 0.211 ug/l  
RT: 15.506 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51

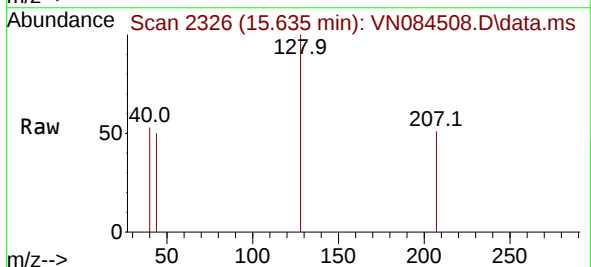
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:225 Resp: 180  
Ion Ratio Lower Upper  
225 100  
223 0.0 32.4 97.2#  
227 60.0 32.4 97.0



#95  
Naphthalene  
Concen: 0.262 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN084508.D  
Acq: 25 Oct 2024 11:51



Tgt Ion:128 Resp: 1487  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.5 15.7#  
129 0.0 8.7 13.1#

