

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021925\  
 Data File : VN085784.D  
 Acq On : 19 Feb 2025 11:49  
 Operator : JC\MD  
 Sample : VN0219WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 20 00:45:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:43:32 2025  
 Response via : Initial Calibration

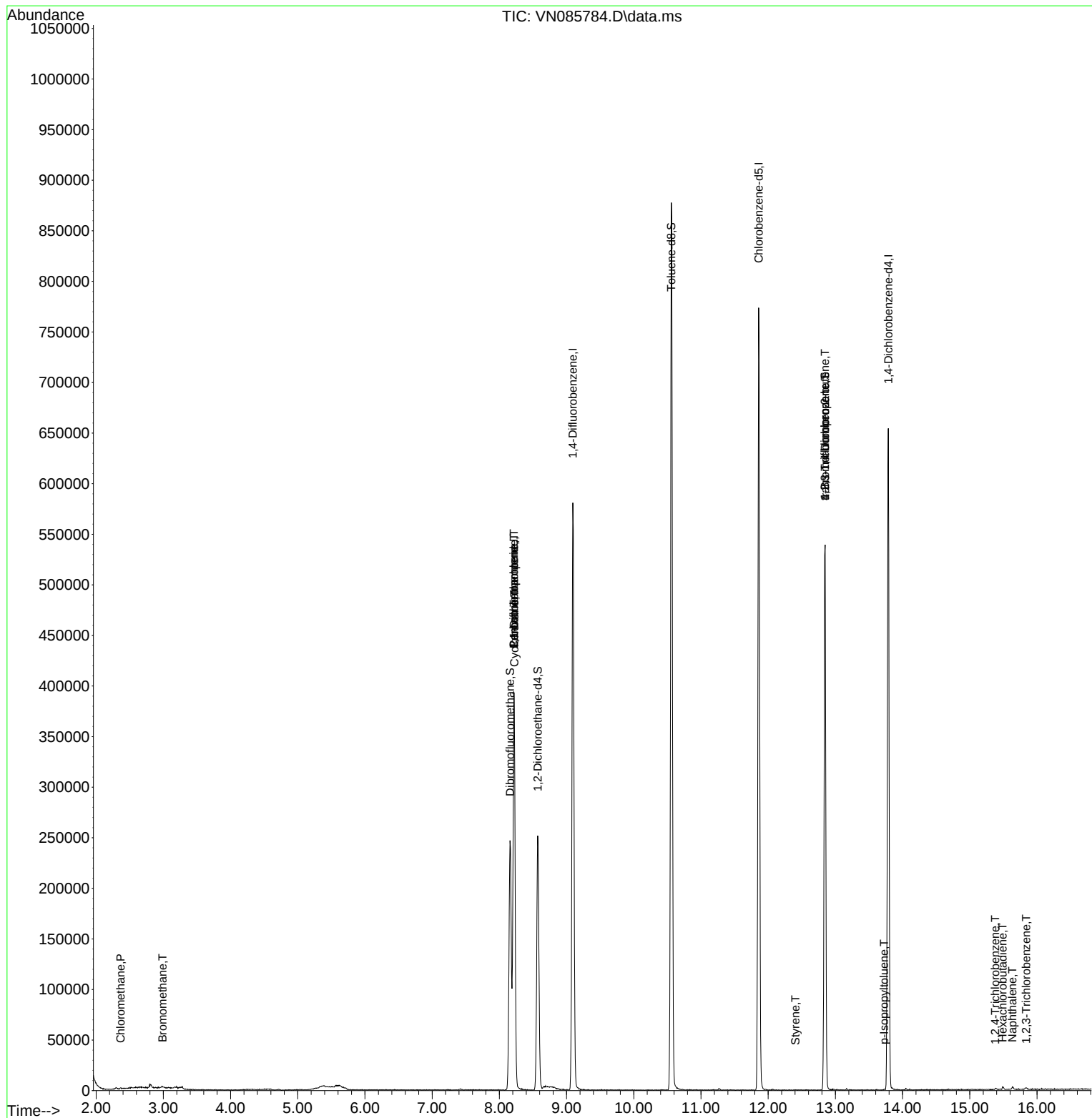
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 8.218  | 168   | 286037   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.094  | 114   | 514740   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.859 | 117   | 457806   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788 | 152   | 185142   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.571  | 65    | 207977   | 56.083    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | = 112.160% |          |
| 35) Dibromofluoromethane      | 8.159  | 113   | 183991   | 54.626    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | = 109.260% |          |
| 50) Toluene-d8                | 10.559 | 98    | 636245   | 51.919    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | = 103.840% |          |
| 62) 4-Bromofluorobenzene      | 12.847 | 95    | 194403   | 48.148    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery  | = 96.300%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           |            | Qvalue   |
| 3) Chloromethane              | 2.365  | 50    | 887      | 0.227     | ug/l       | 99       |
| 5) Bromomethane               | 2.989  | 94    | 847      | 0.320     | ug/l #     | 71       |
| 31) Cyclohexane               | 8.224  | 56    | 6068     | 1.146     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 23377    | 4.904     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.218  | 117   | 30503    | 5.385     | ug/l #     | 18       |
| 43) Isopropyl Acetate         | 8.688  | 43    | 2873     | Below Cal | #          | 53       |
| 70) Styrene                   | 12.406 | 104   | 60       | 0.590     | ug/l #     | 26       |
| 76) 1,2,3-Trichloropropane    | 12.847 | 75    | 96399    | 23.440    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847 | 75    | 96399    | 68.392    | ug/l #     | 12       |
| 86) p-Isopropyltoluene        | 13.723 | 119   | 132      | 0.638     | ug/l #     | 50       |
| 93) 1,2,4-Trichlorobenzene    | 15.376 | 180   | 735      | 0.250     | ug/l #     | 71       |
| 94) Hexachlorobutadiene       | 15.488 | 225   | 748      | 0.418     | ug/l       | 87       |
| 95) Naphthalene               | 15.635 | 128   | 3387     | 0.419     | ug/l #     | 89       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180   | 883      | 0.299     | ug/l #     | 57       |
| -----                         |        |       |          |           |            |          |

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

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Sample : VN0219WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 20 00:45:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:43:32 2025  
Response via : Initial Calibration

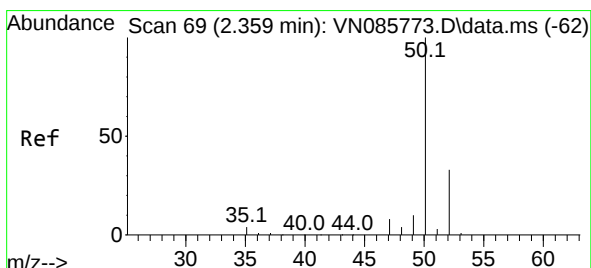
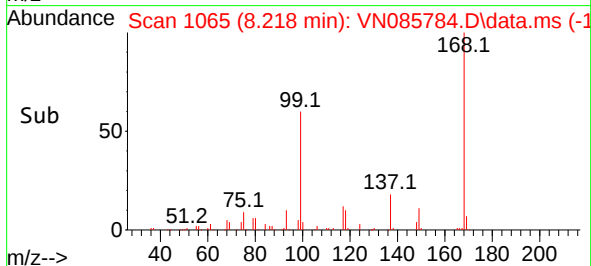
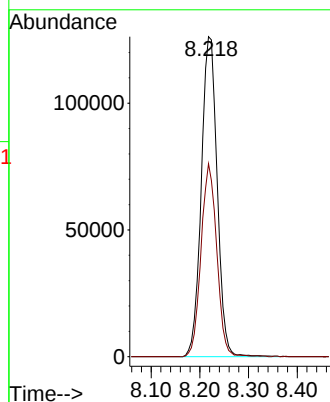
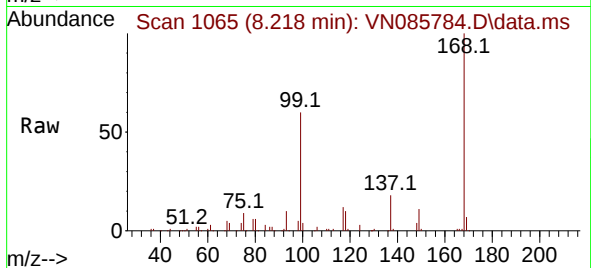




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

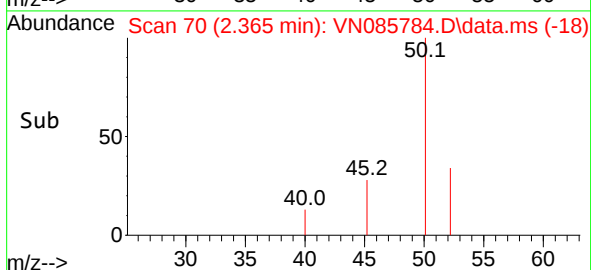
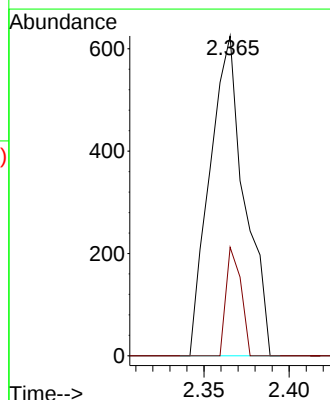
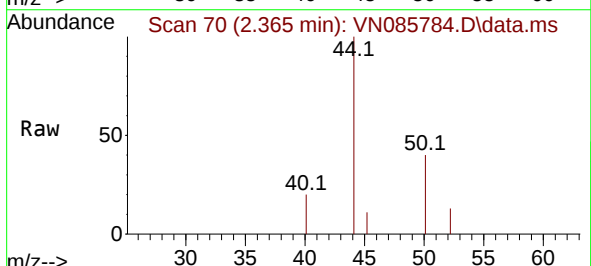
Instrument :  
MSVOA\_N  
ClientSampleId :

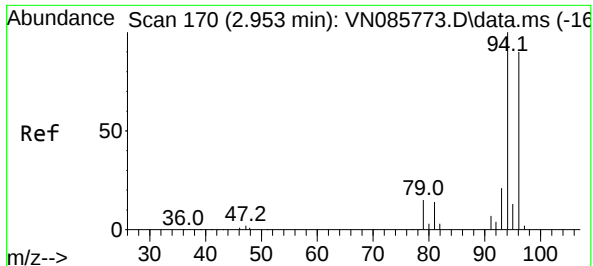
Tgt Ion:168 Resp: 286037  
Ion Ratio Lower Upper  
168 100  
99 60.3 47.9 71.9



#3  
Chloromethane  
Concen: 0.227 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

Tgt Ion: 50 Resp: 887  
Ion Ratio Lower Upper  
50 100  
52 33.9 26.7 40.1

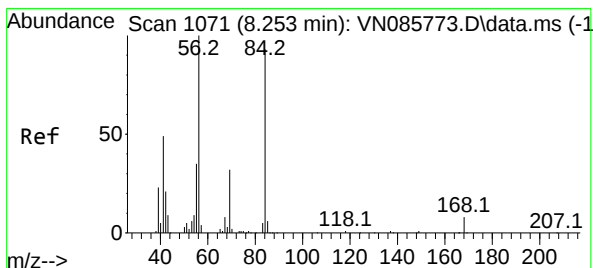
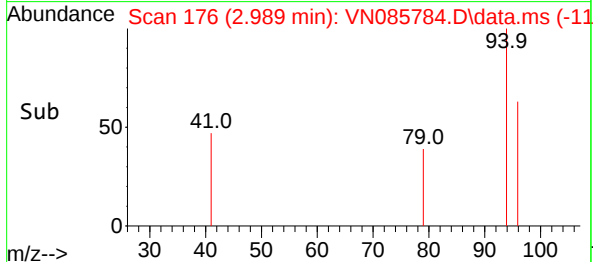
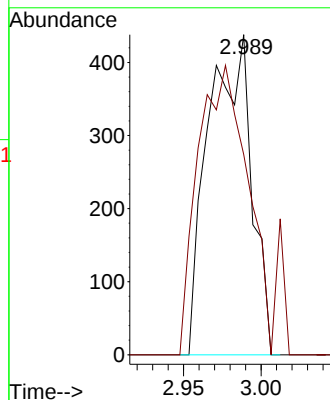
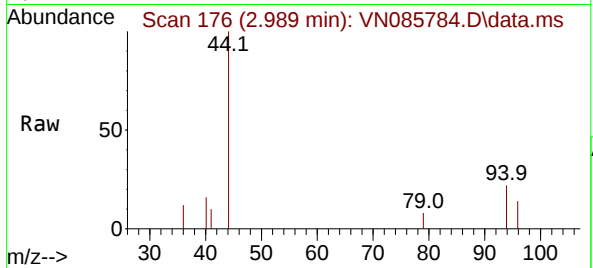




#5  
Bromomethane  
Concen: 0.320 ug/l  
RT: 2.989 min Scan# 11  
Delta R.T. 0.035 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

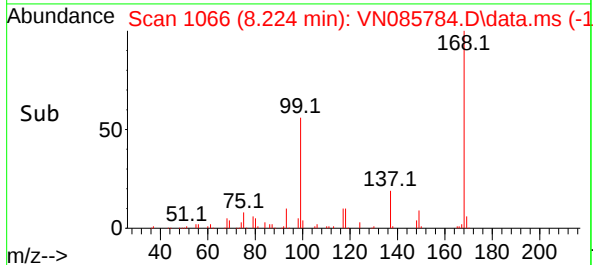
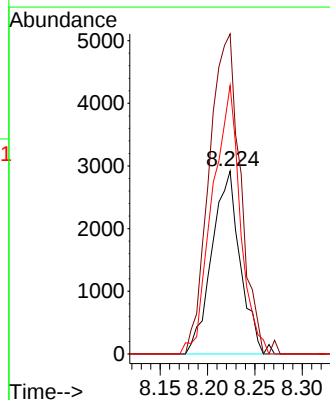
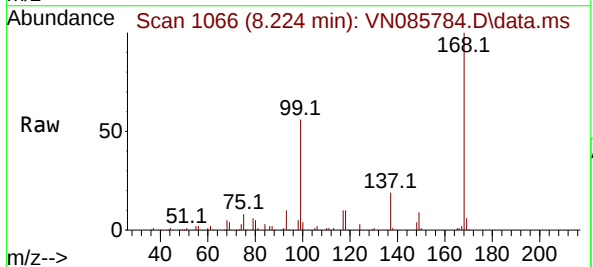
Instrument :  
MSVOA\_N  
ClientSampleId :

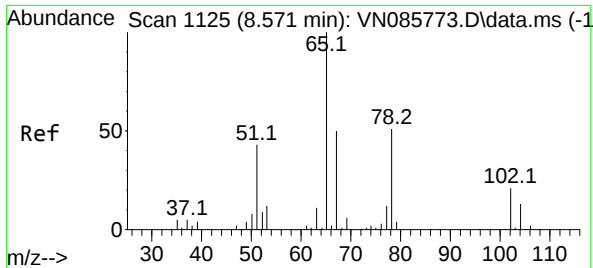
Tgt Ion: 94 Resp: 847  
Ion Ratio Lower Upper  
94 100  
96 62.6 71.7 107.5#



#31  
Cyclohexane  
Concen: 1.146 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.029 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

Tgt Ion: 56 Resp: 6068  
Ion Ratio Lower Upper  
56 100  
69 175.0 25.8 38.6#  
84 146.8 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 56.083 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

Instrument :

MSVOA\_N

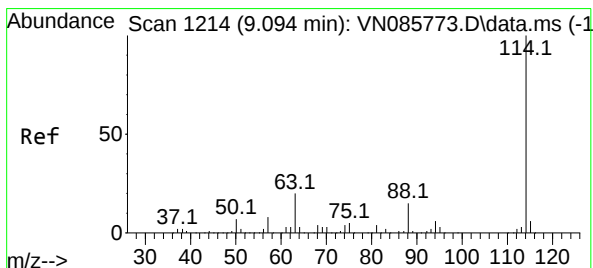
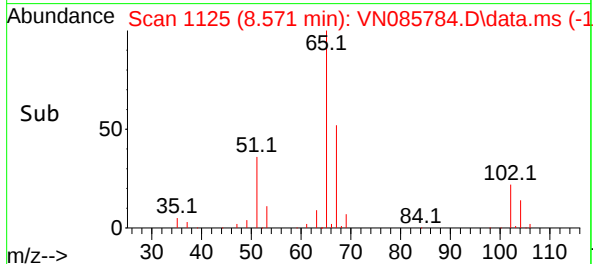
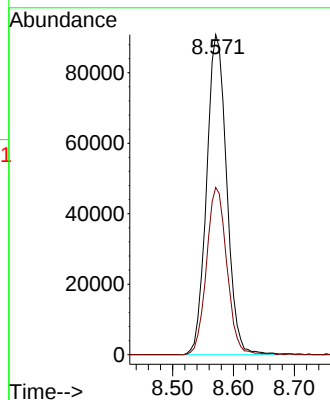
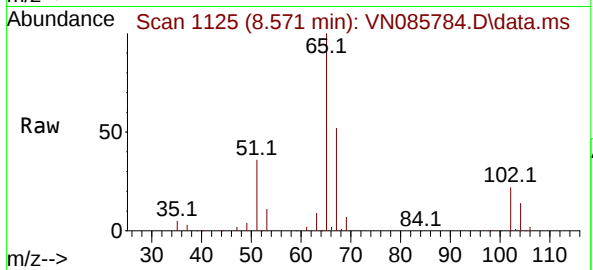
ClientSampleId :

Tgt Ion: 65 Resp: 207977

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

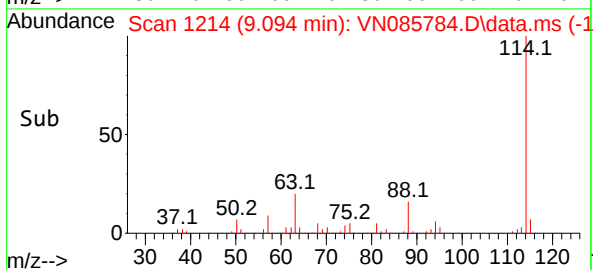
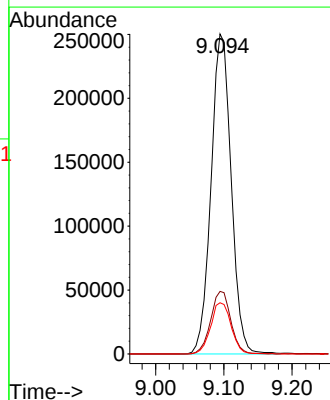
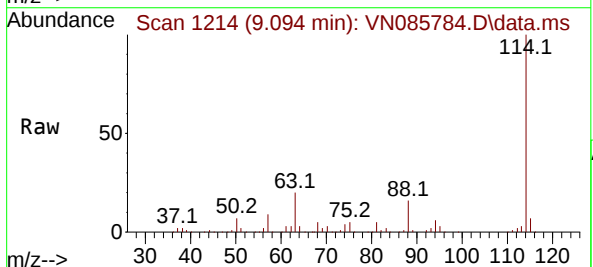
Tgt Ion: 114 Resp: 514740

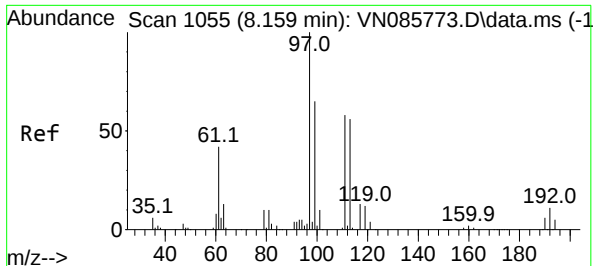
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 16.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.626 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

Instrument :

MSVOA\_N

ClientSampleId :

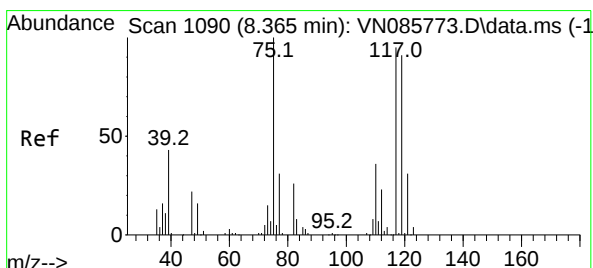
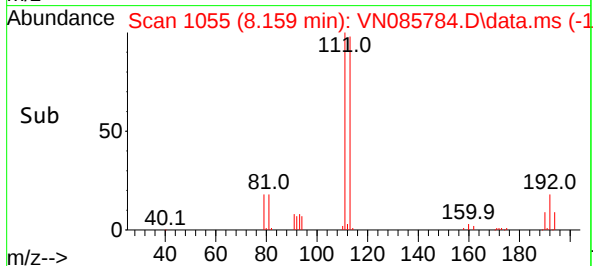
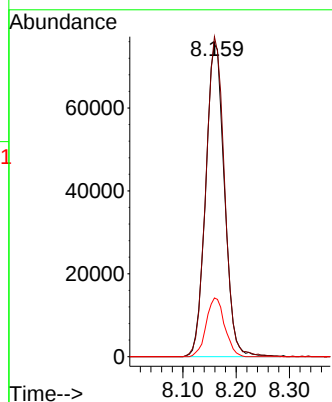
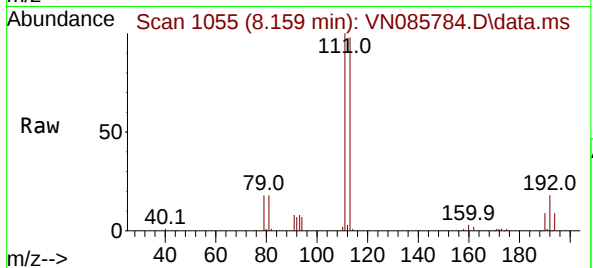
Tgt Ion:113 Resp: 183991

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 18.5 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.904 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085784.D

Acq: 19 Feb 2025 11:49

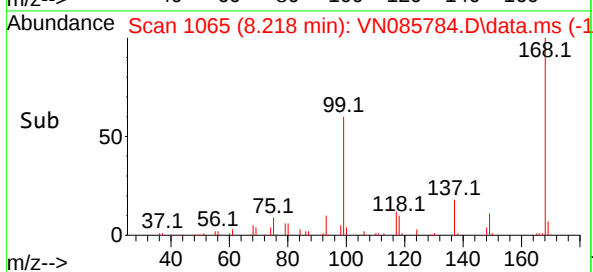
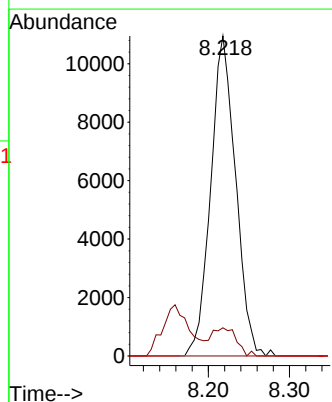
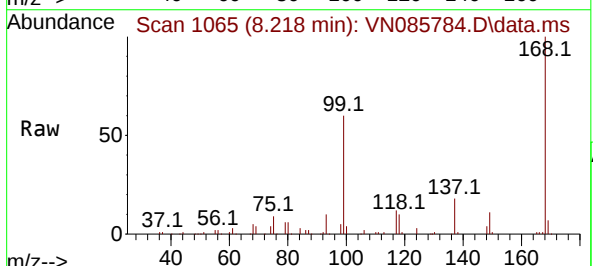
Tgt Ion: 75 Resp: 23377

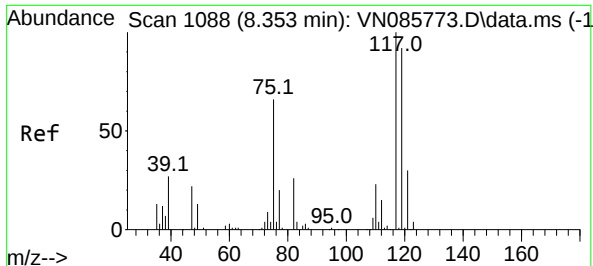
Ion Ratio Lower Upper

75 100

110 9.0 17.3 52.0#

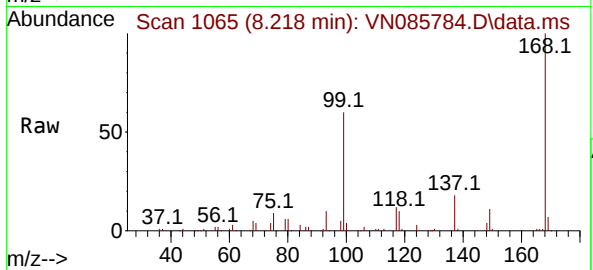
77 0.0 24.6 37.0#



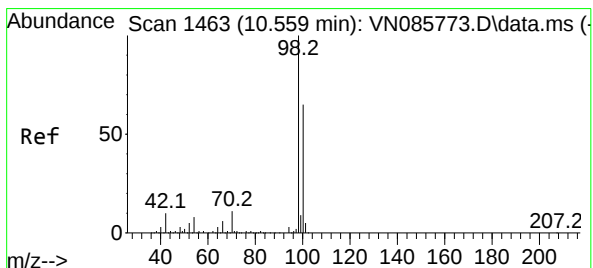
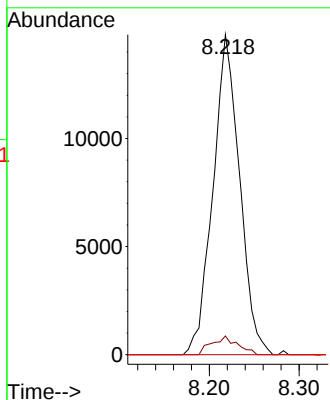
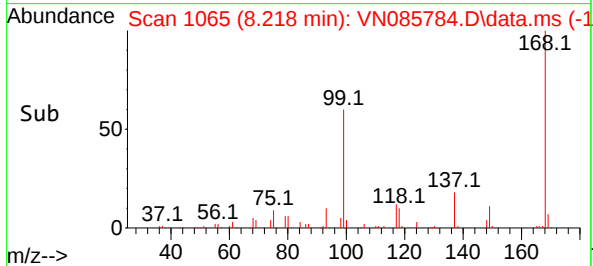


#38  
Carbon Tetrachloride  
Concen: 5.385 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.135 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

Instrument :  
MSVOA\_N  
ClientSampleId :

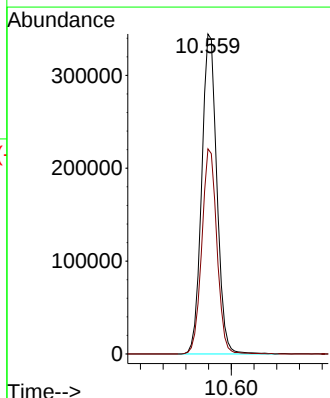
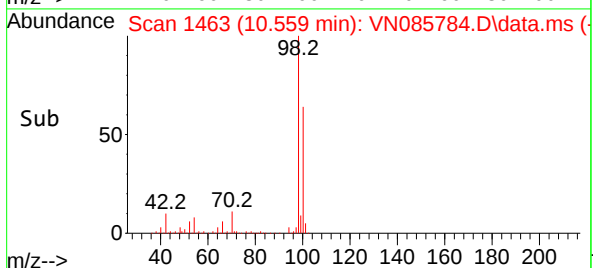
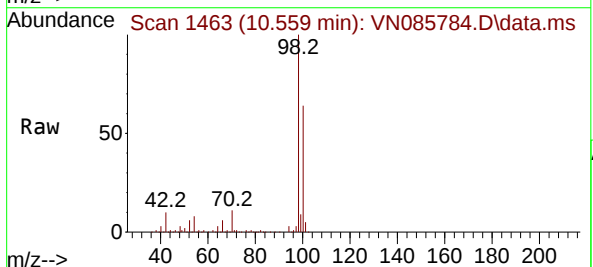


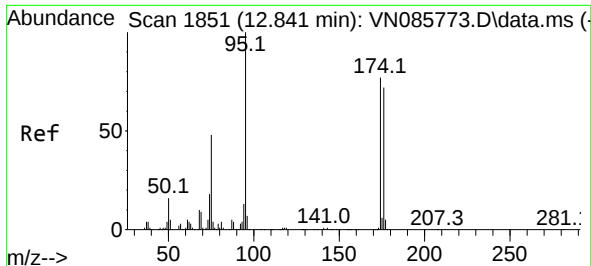
Tgt Ion:117 Resp: 30503  
Ion Ratio Lower Upper  
117 100  
119 5.8 73.8 110.6#  
121 0.0 24.3 36.5#



#50  
Toluene-d8  
Concen: 51.919 ug/l  
RT: 10.559 min Scan# 1463  
Delta R.T. 0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

Tgt Ion: 98 Resp: 636245  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.1 78.1

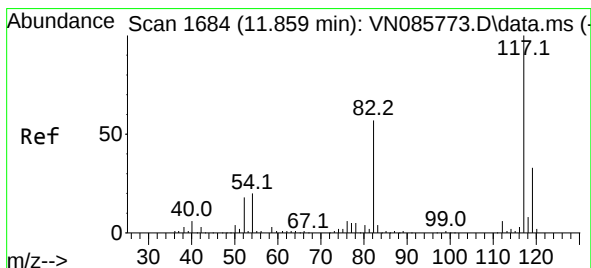
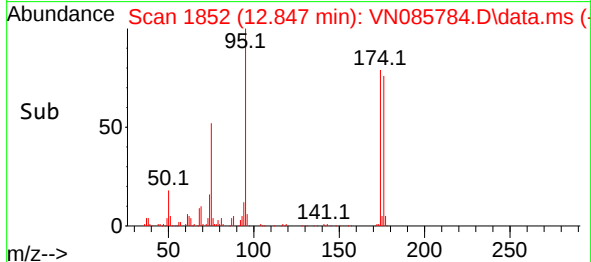
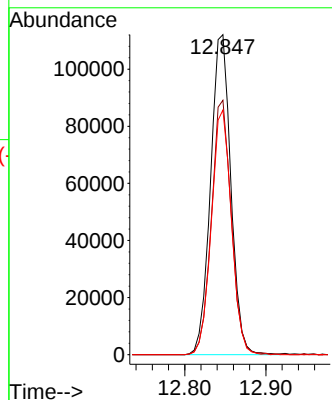
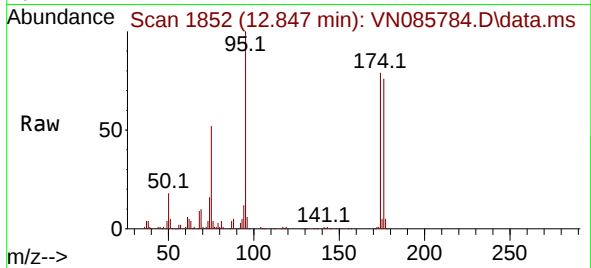




#62  
4-Bromofluorobenzene  
Concen: 48.148 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

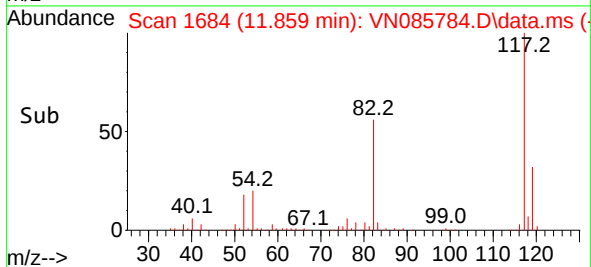
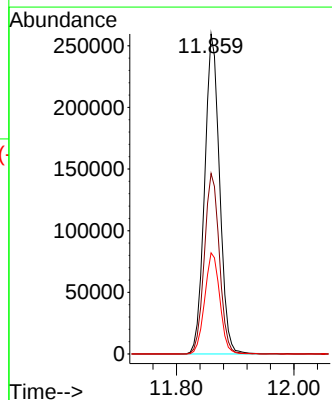
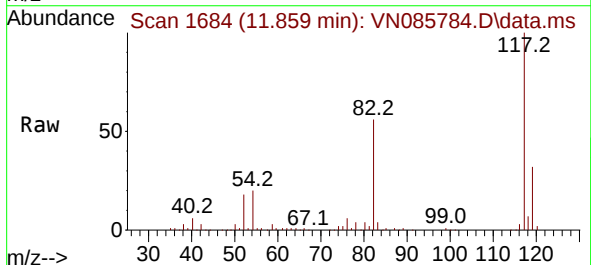
Instrument :  
MSVOA\_N  
ClientSampleId :

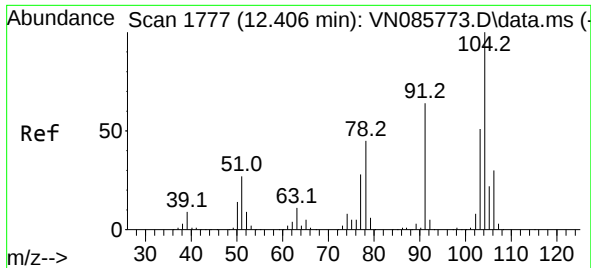
Tgt Ion: 95 Resp: 194403  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 152.4  
176 75.6 0.0 146.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.859 min Scan# 1684  
Delta R.T. 0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

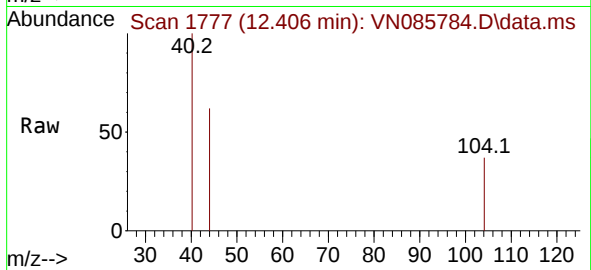
Tgt Ion: 117 Resp: 457806  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.7 68.5  
119 31.6 26.2 39.2



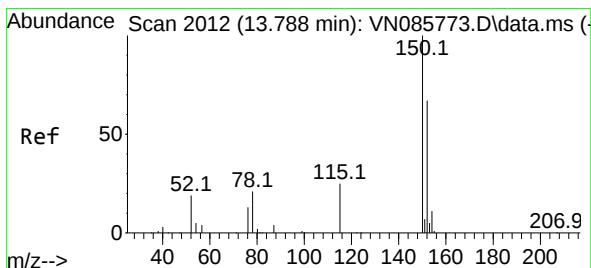
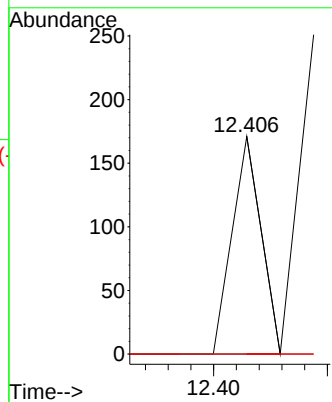
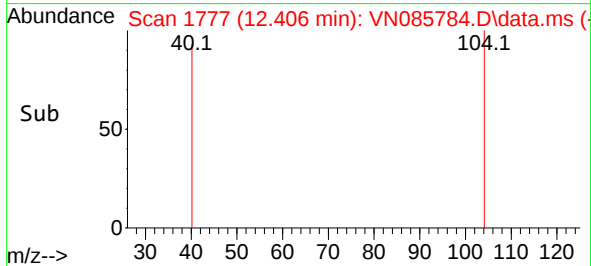


#70  
Styrene  
Concen: 0.590 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

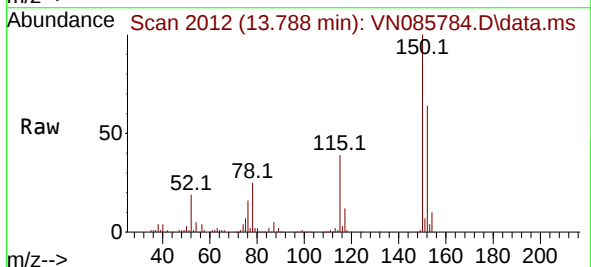
Instrument :  
MSVOA\_N  
ClientSampleId :



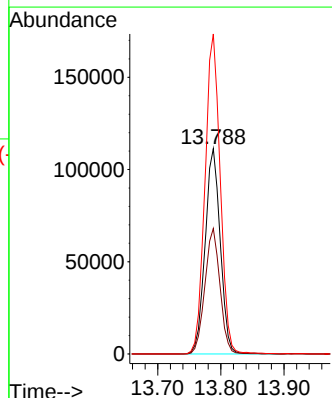
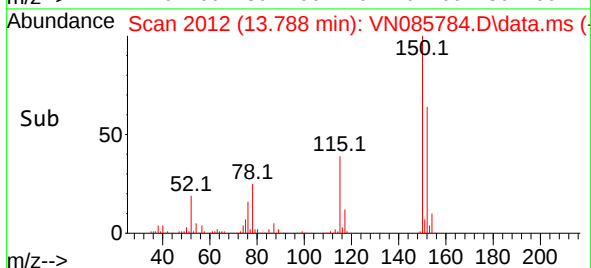
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Ion Ratio Lower Upper  
104 100  
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103 0.0 43.3 64.9#

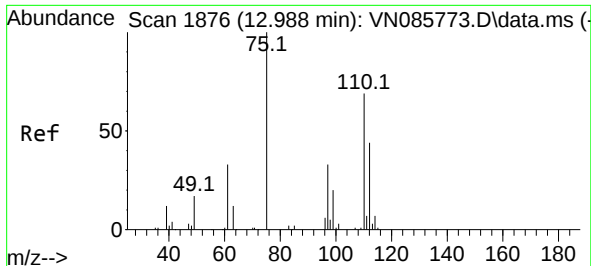


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49



Tgt Ion:152 Resp: 185142  
Ion Ratio Lower Upper  
152 100  
115 60.8 30.4 91.3  
150 156.7 0.0 345.4

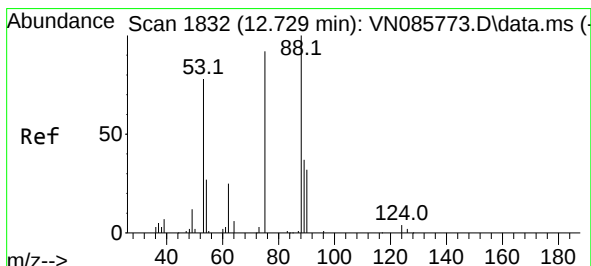
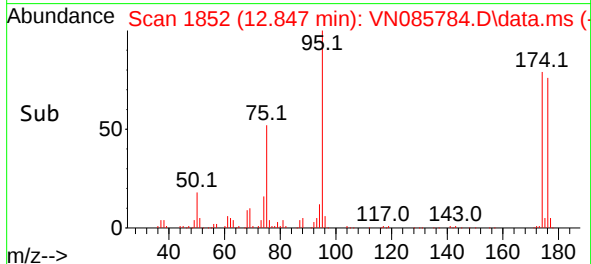
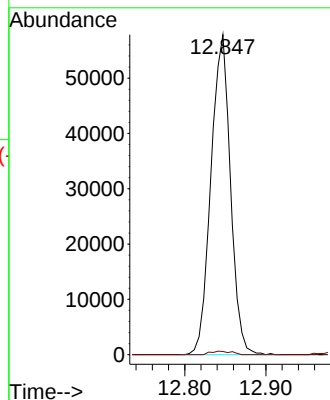
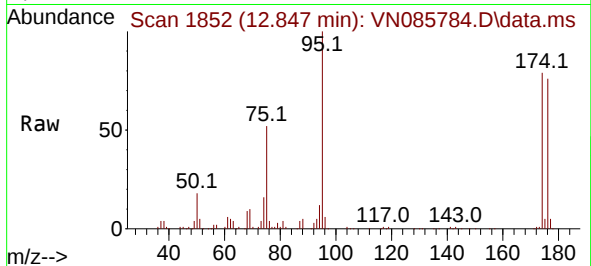




#76  
1,2,3-Trichloropropane  
Concen: 23.440 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

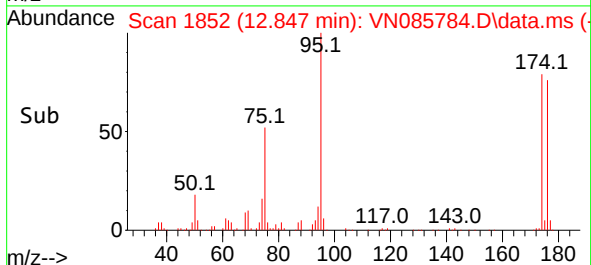
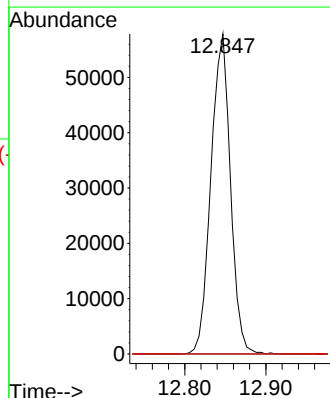
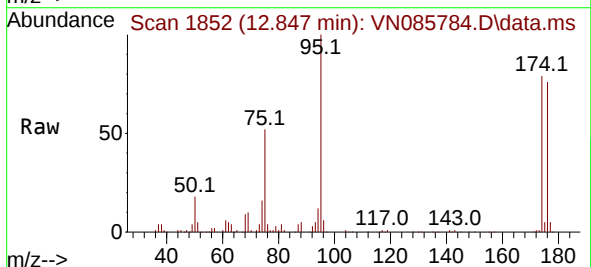
Instrument :  
MSVOA\_N  
ClientSampleId :

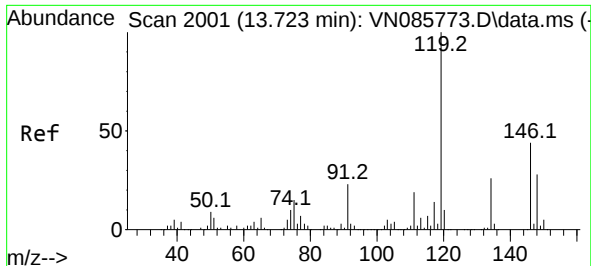
Tgt Ion: 75 Resp: 96399  
Ion Ratio Lower Upper  
75 100  
77 1.2 100.0 300.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.392 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.118 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

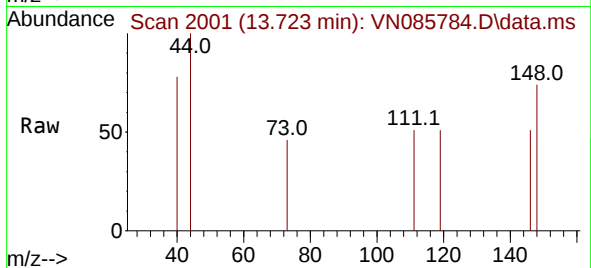
Tgt Ion: 75 Resp: 96399  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.2 111.4#  
89 0.0 34.9 52.3#



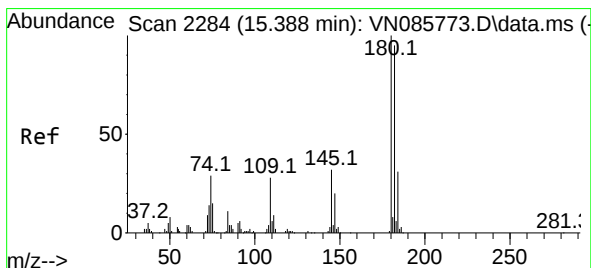
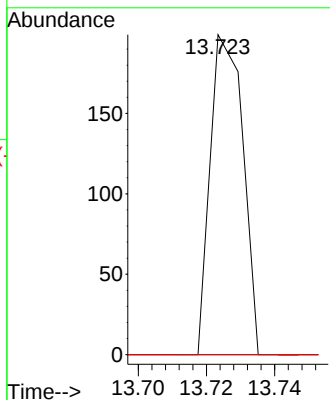
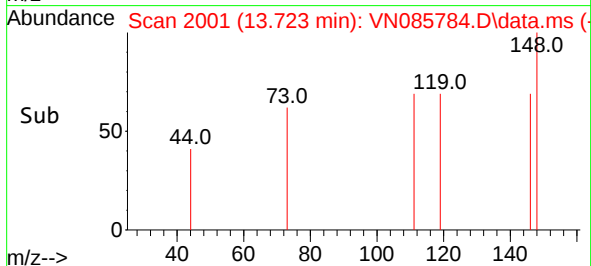


#86  
 p-Isopropyltoluene  
 Concen: 0.638 ug/l  
 RT: 13.723 min Scan# 2001  
 Delta R.T. 0.000 min  
 Lab File: VN085784.D  
 Acq: 19 Feb 2025 11:49

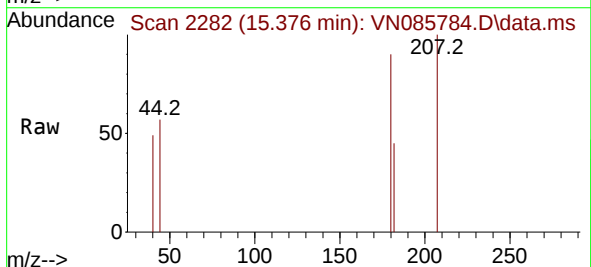
Instrument :  
 MSVOA\_N  
 ClientSampleId :



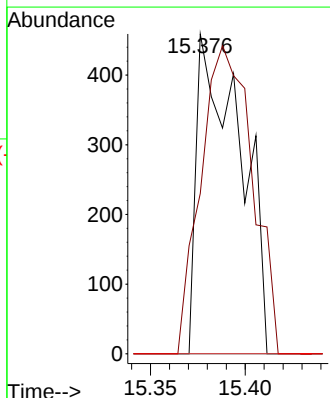
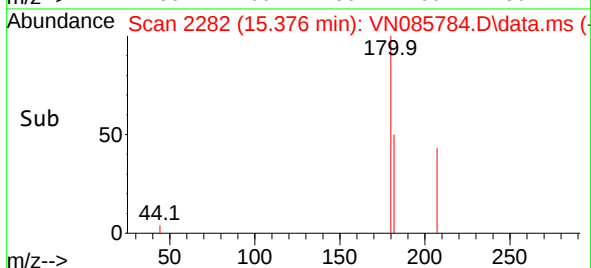
Tgt Ion:119 Resp: 132  
 Ion Ratio Lower Upper  
 119 100  
 134 0.0 13.0 39.0#  
 91 0.0 11.7 35.1#

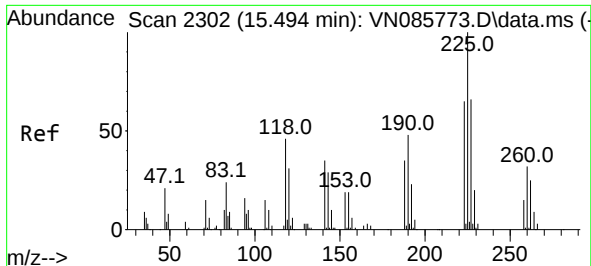


#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.250 ug/l  
 RT: 15.376 min Scan# 2282  
 Delta R.T. -0.012 min  
 Lab File: VN085784.D  
 Acq: 19 Feb 2025 11:49



Tgt Ion:180 Resp: 735  
 Ion Ratio Lower Upper  
 180 100  
 182 113.6 47.3 141.9  
 145 0.0 16.2 48.5#

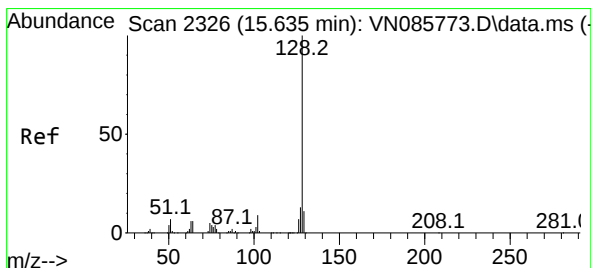
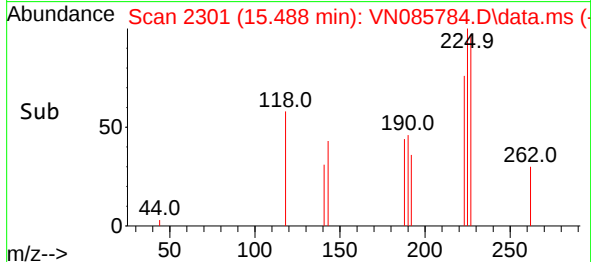
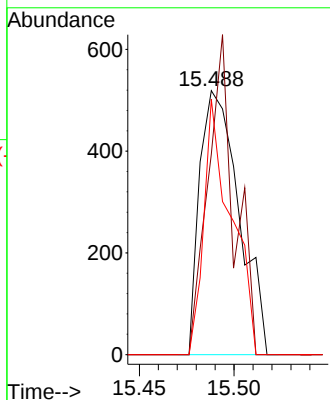
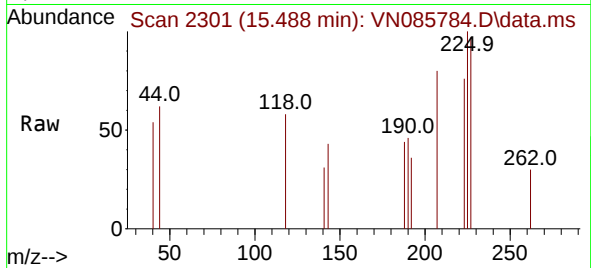




#94  
Hexachlorobutadiene  
Concen: 0.418 ug/l  
RT: 15.488 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

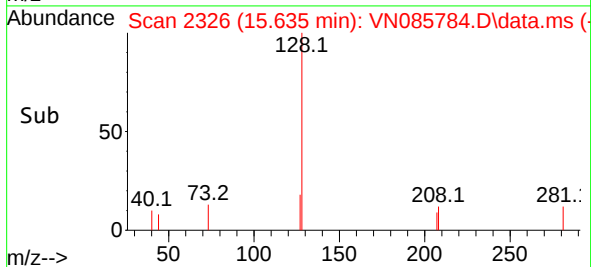
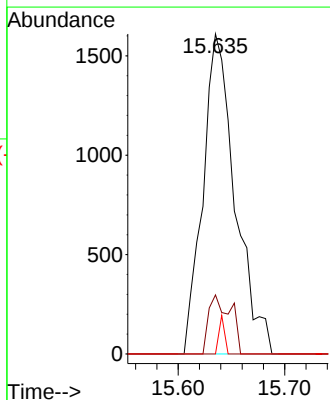
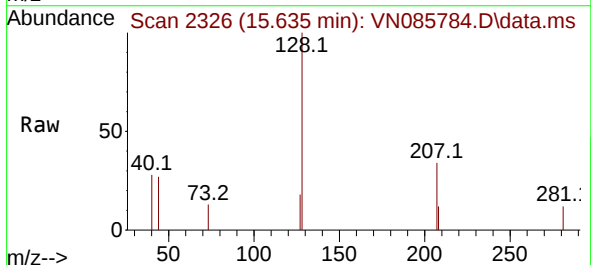
Instrument :  
MSVOA\_N  
ClientSampleId :

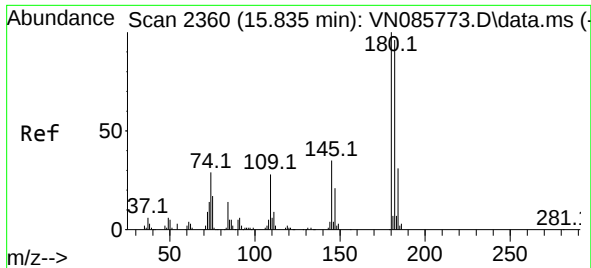
Tgt Ion:225 Resp: 748  
Ion Ratio Lower Upper  
225 100  
223 81.6 31.9 95.5  
227 67.5 32.2 96.6



#95  
Naphthalene  
Concen: 0.419 ug/l  
RT: 15.635 min Scan# 2326  
Delta R.T. 0.000 min  
Lab File: VN085784.D  
Acq: 19 Feb 2025 11:49

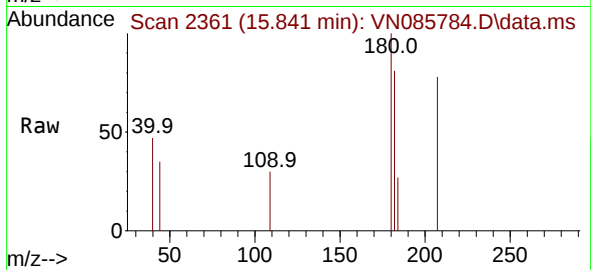
Tgt Ion:128 Resp: 3387  
Ion Ratio Lower Upper  
128 100  
127 12.4 10.2 15.2  
129 2.0 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.299 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN085784.D  
 Acq: 19 Feb 2025 11:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:180 Resp: 883  
 Ion Ratio Lower Upper  
 180 100  
 182 134.8 47.3 141.8  
 145 7.0 16.9 50.6#

