

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040125\  
 Data File : VN086197.D  
 Acq On : 01 Apr 2025 15:37  
 Operator : JC\MD  
 Sample : Q1659-02 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 3809

Quant Time: Apr 02 01:53:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

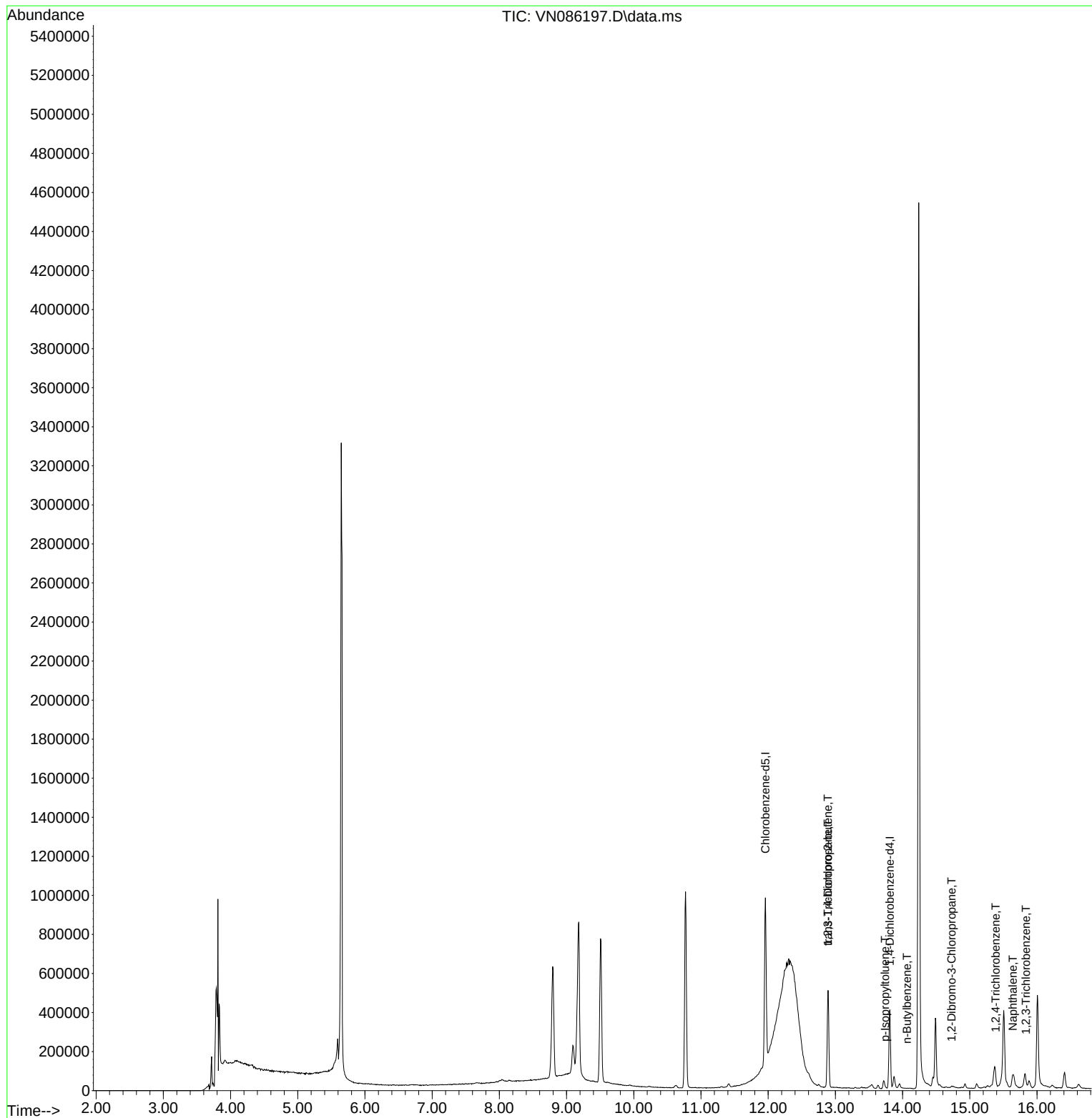
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 0.000  | 168   | 0        | 0.000    | ug/l   | -8.22    |
| 34) 1,4-Difluorobenzene       | 0.000  | 114   | 0        | 0.000    | ug/l   | -9.10    |
| 63) Chlorobenzene-d5          | 11.959 | 117   | 472384   | 50.000   | ug/l   | 0.09     |
| 72) 1,4-Dichlorobenzene-d4    | 13.812 | 152   | 109540   | 50.000   | ug/l   | 0.02     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 0.000  | 65    | 0        | 0.000    | ug/l   |          |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane      | 0.000  | 113   | 0        | 0.000    | ug/l   |          |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8                | 10.771 | 98    | 680915   | 0.000    | ug/l   | 0.21     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene      | 12.888 | 95    | 175840   | 0.000    | ug/l   | 0.04     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 0.000%#  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 76) 1,2,3-Trichloropropane    | 12.888 | 75    | 94788    | 38.651   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.888 | 75    | 94788    | 102.187  | ug/l # | 17       |
| 86) p-Isopropyltoluene        | 13.741 | 119   | 3888     | 0.652    | ug/l # | 69       |
| 89) n-Butylbenzene            | 14.065 | 91    | 1209     | 0.249    | ug/l # | 53       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75    | 130      | 0.257    | ug/l # | 2        |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180   | 664      | 0.353    | ug/l # | 54       |
| 95) Naphthalene               | 15.641 | 128   | 6042     | 1.110    | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180   | 523      | 0.293    | ug/l # | 58       |
| -----                         |        |       |          |          |        |          |

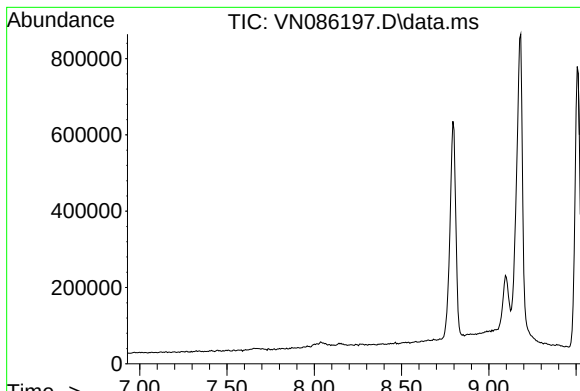
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040125\  
Data File : VN086197.D  
Acq On : 01 Apr 2025 15:37  
Operator : JC\MD  
Sample : Q1659-02 50X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
3809

Quant Time: Apr 02 01:53:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
Response via : Initial Calibration

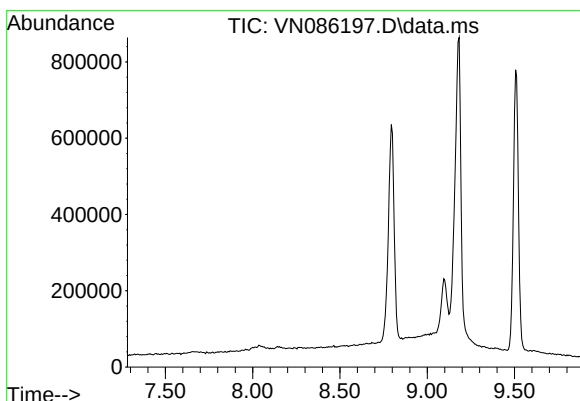
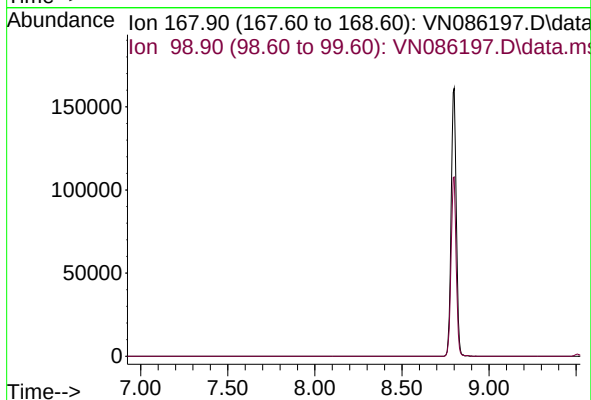




#1  
 Pentafluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 8.22 min  
 Lab File: VN086197.D  
 Acq: 01 Apr 2025 15:37

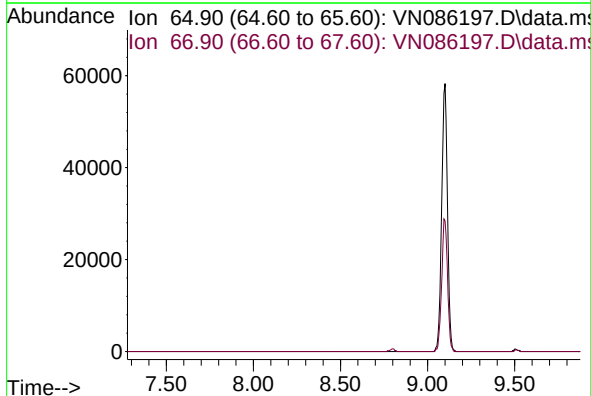
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 3809

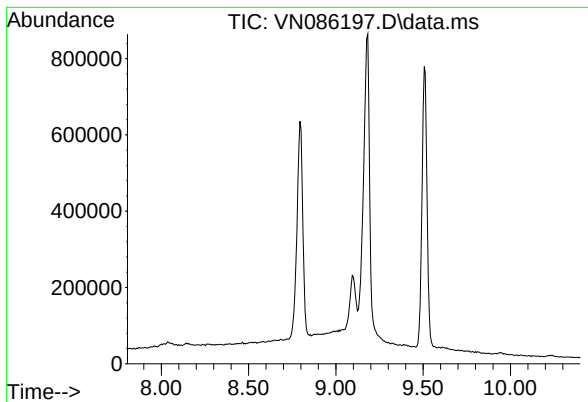
Tgt Ion: 168  
 Sig Exp Ratio  
 168 100  
 99 61.8



#33  
 1,2-Dichloroethane-d4  
 Concen: 0.000 ug/l  
 Expected RT: 8.58 min  
 Lab File: VN086197.D  
 Acq: 01 Apr 2025 15:37

Tgt Ion: 65  
 Sig Exp Ratio  
 65 100  
 67 51.1



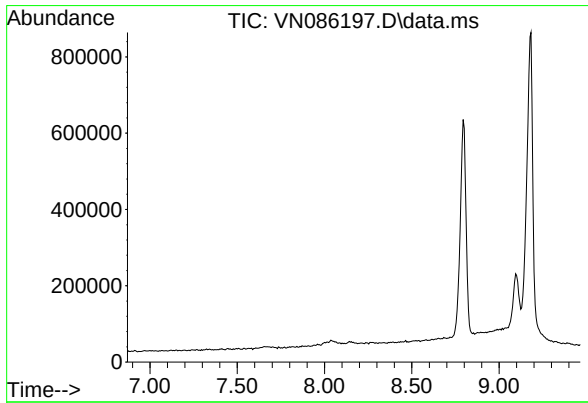
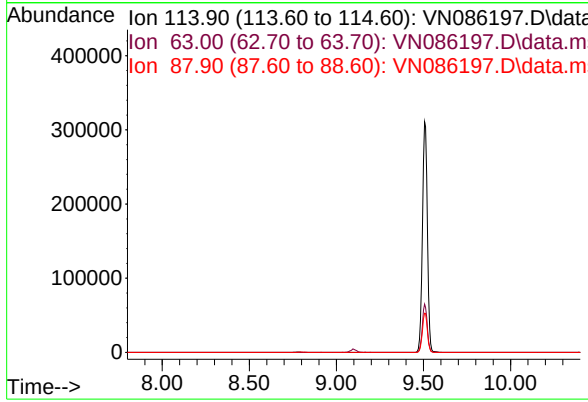


#34  
 1,4-Difluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 9.10 min  
 Lab File: VN086197.D  
 Acq: 01 Apr 2025 15:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 3809

Tgt Ion: 114

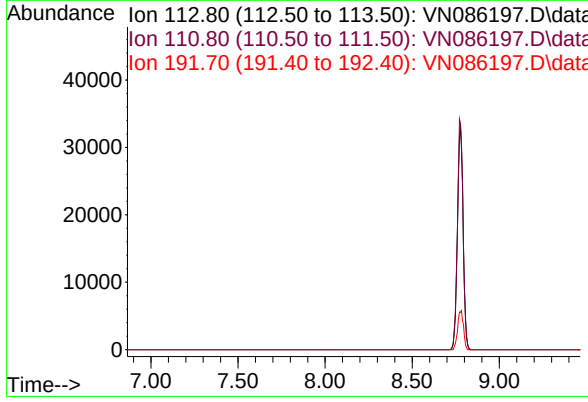
| Sig | Exp Ratio |
|-----|-----------|
| 114 | 100       |
| 63  | 19.8      |
| 88  | 16.3      |

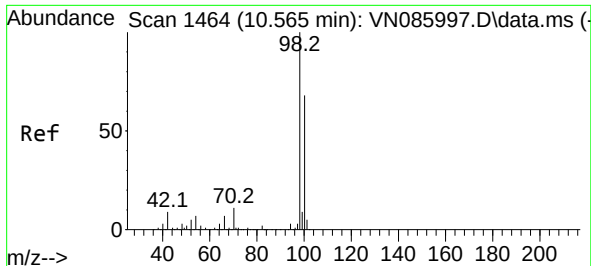


#35  
 Dibromofluoromethane  
 Concen: 0.000 ug/l  
 Expected RT: 8.17 min  
 Lab File: VN086197.D  
 Acq: 01 Apr 2025 15:37

Tgt Ion: 113

| Sig | Exp Ratio |
|-----|-----------|
| 113 | 100       |
| 111 | 102.3     |
| 192 | 19.9      |

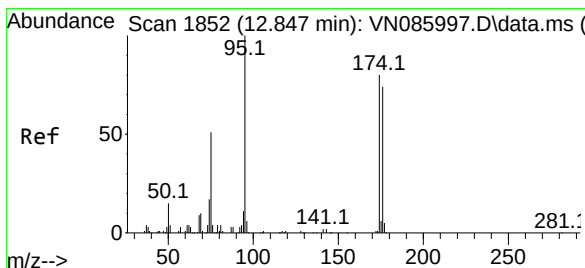
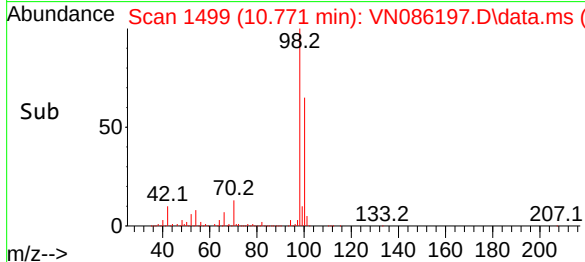
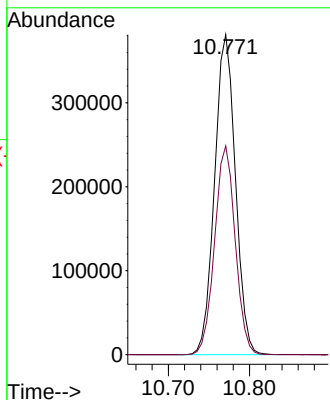
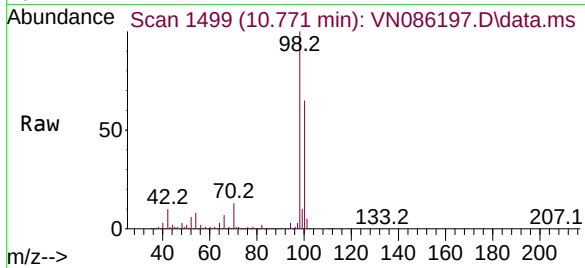




#50  
Toluene-d8  
Concen: 0.000 ug/l  
RT: 10.771 min Scan# 1464  
Delta R.T. 0.206 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

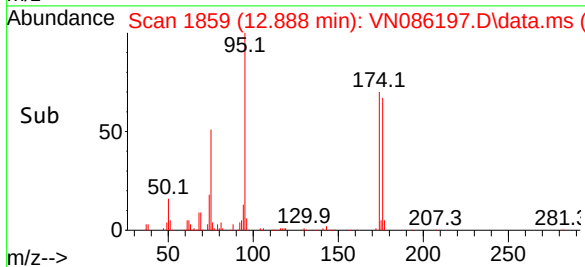
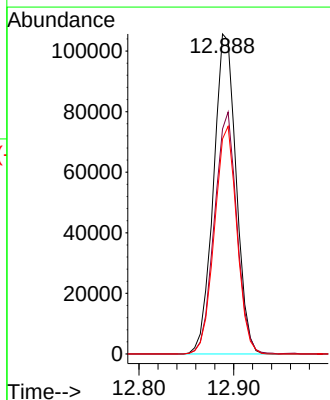
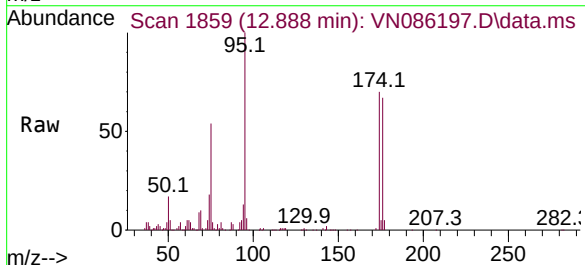
Instrument :  
MSVOA\_N  
ClientSampleId :  
3809

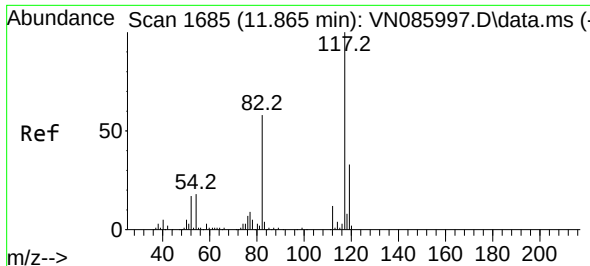
Tgt Ion: 98 Resp: 680915  
Ion Ratio Lower Upper  
98 100  
100 64.5 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
RT: 12.888 min Scan# 1859  
Delta R.T. 0.041 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

Tgt Ion: 95 Resp: 175840  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 156.8  
176 70.1 0.0 152.2

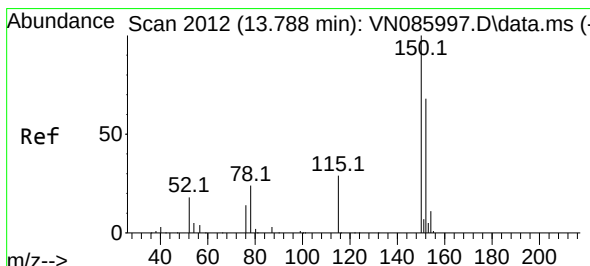
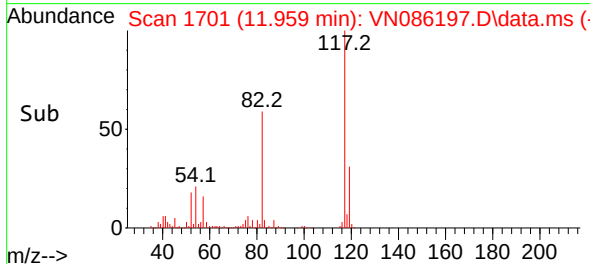
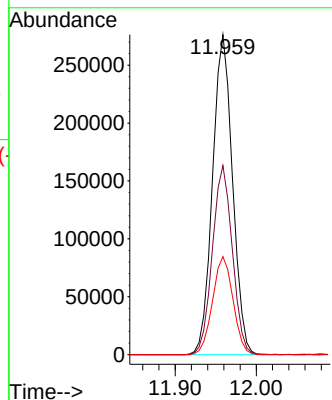
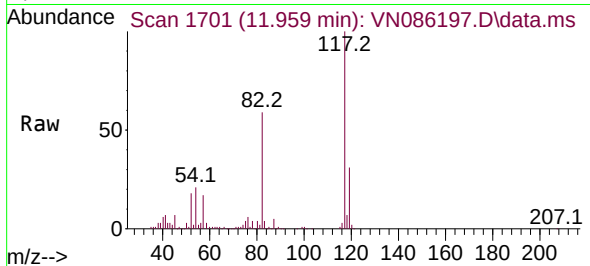




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.959 min Scan# 11  
Delta R.T. 0.094 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

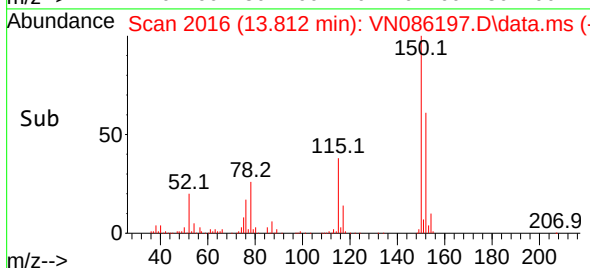
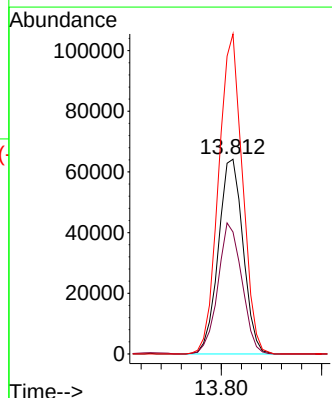
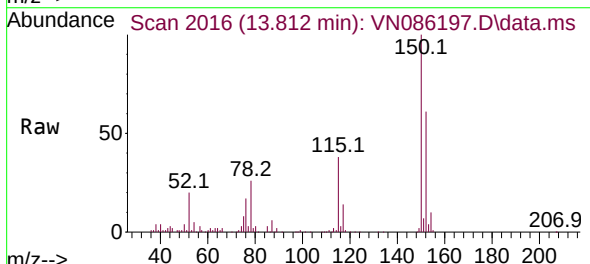
Instrument :  
MSVOA\_N  
ClientSampleId :  
3809

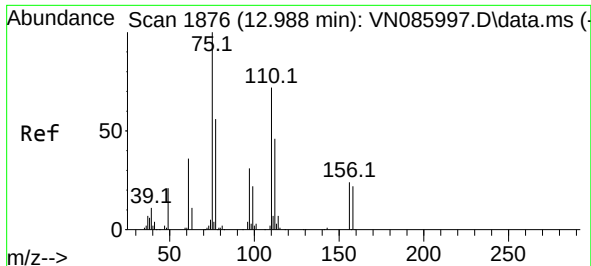
Tgt Ion:117 Resp: 472384  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.7 70.1  
119 30.6 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.023 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

Tgt Ion:152 Resp: 109540  
Ion Ratio Lower Upper  
152 100  
115 65.0 31.1 93.2  
150 158.6 0.0 359.6

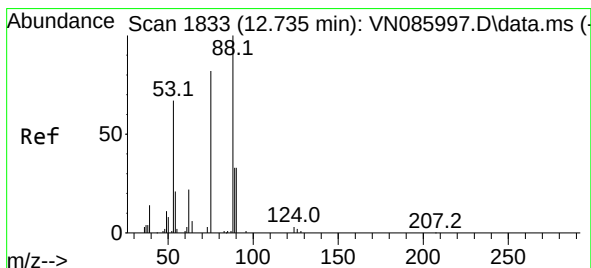
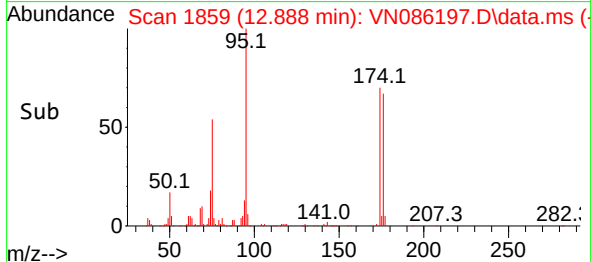
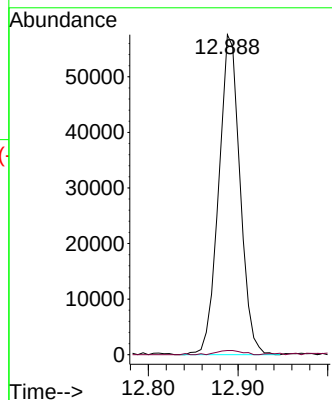
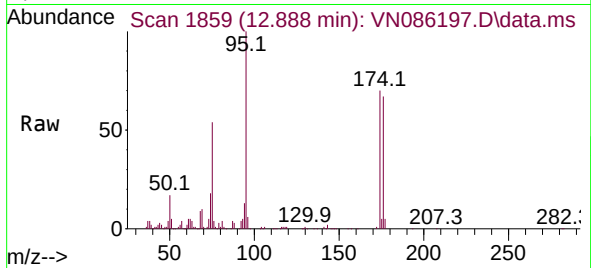




#76  
1,2,3-Trichloropropane  
Concen: 38.651 ug/l  
RT: 12.888 min Scan# 1859  
Delta R.T. -0.100 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

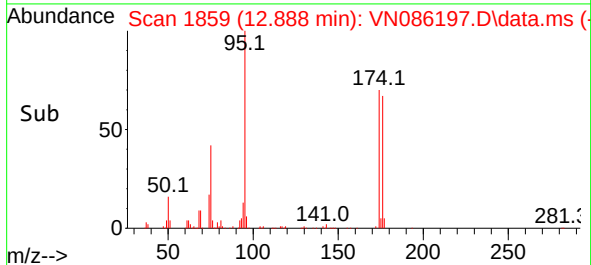
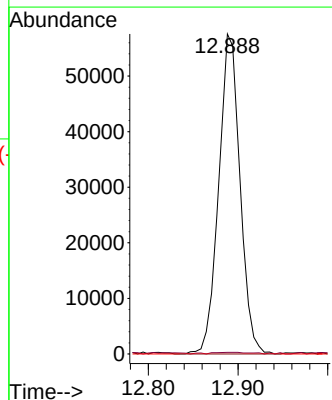
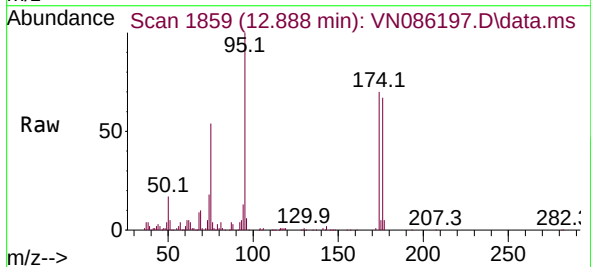
Instrument :  
MSVOA\_N  
ClientSampleId :  
3809

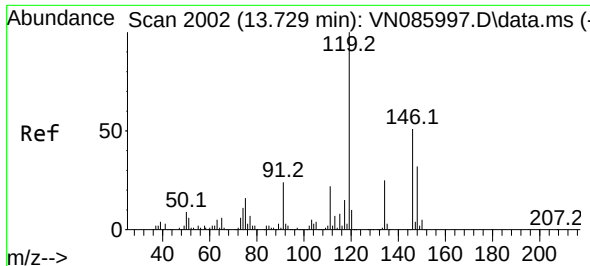
Tgt Ion: 75 Resp: 94788  
Ion Ratio Lower Upper  
75 100  
77 1.6 83.7 251.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.187 ug/l  
RT: 12.888 min Scan# 1859  
Delta R.T. 0.153 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

Tgt Ion: 75 Resp: 94788  
Ion Ratio Lower Upper  
75 100  
53 0.9 66.0 99.0#  
89 0.0 36.9 55.3#

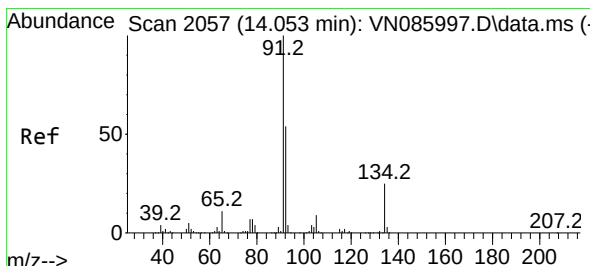
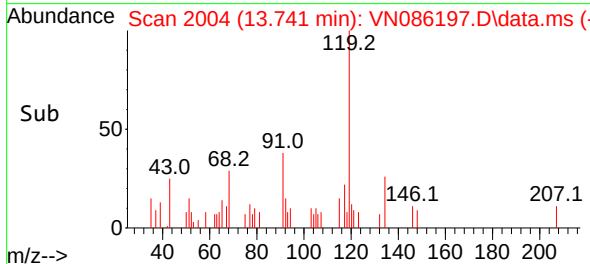
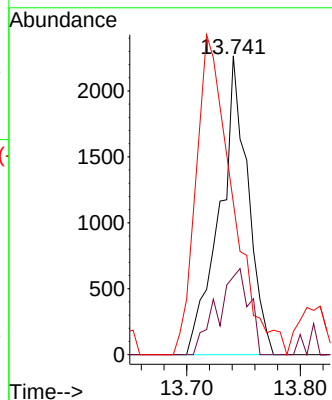
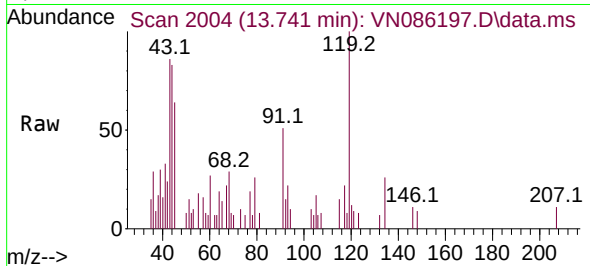




#86  
p-Isopropyltoluene  
Concen: 0.652 ug/l  
RT: 13.741 min Scan# 2004  
Delta R.T. 0.012 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

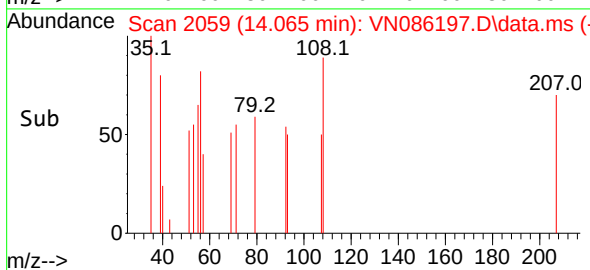
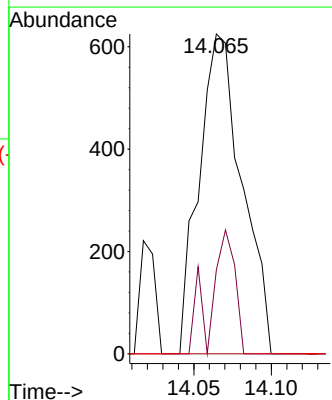
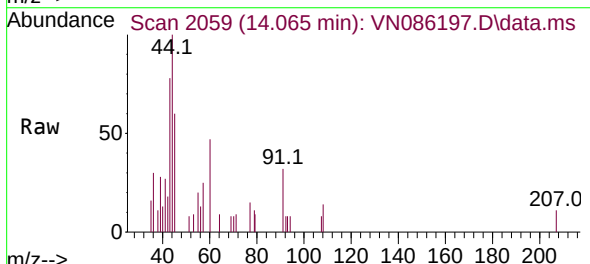
Instrument :  
MSVOA\_N  
ClientSampleId :  
3809

Tgt Ion:119 Resp: 3888  
Ion Ratio Lower Upper  
119 100  
134 32.3 12.6 37.8  
91 0.0 12.3 36.8#

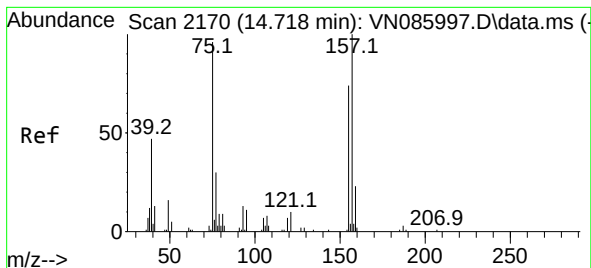


#89  
n-Butylbenzene  
Concen: 0.249 ug/l  
RT: 14.065 min Scan# 2059  
Delta R.T. 0.012 min  
Lab File: VN086197.D  
Acq: 01 Apr 2025 15:37

Tgt Ion: 91 Resp: 1209  
Ion Ratio Lower Upper  
91 100  
92 21.9 26.9 80.6#  
134 0.0 13.0 39.0#







#92

1,2-Dibromo-3-Chloropropane

Concen: 0.257 ug/l

RT: 14.729 min Scan# 2170

Delta R.T. 0.012 min

Lab File: VN086197.D

Acq: 01 Apr 2025 15:37

Instrument :

MSVOA\_N

ClientSampleId :

3809

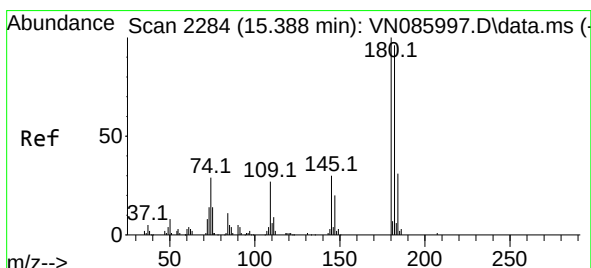
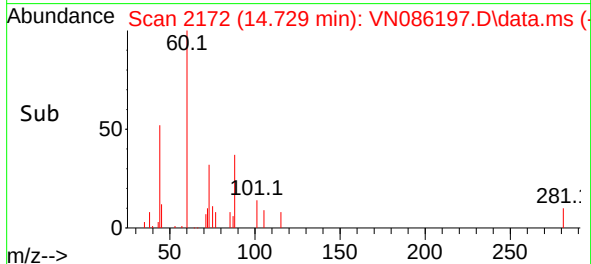
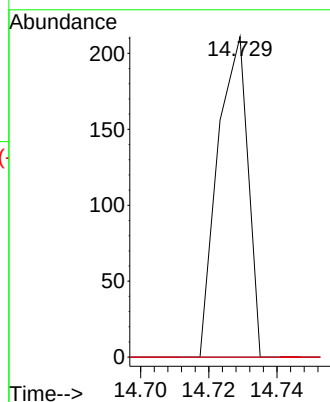
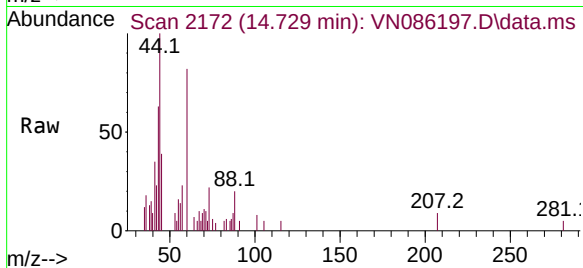
Tgt Ion: 75 Resp: 130

Ion Ratio Lower Upper

75 100

155 0.0 41.0 123.0#

157 0.0 53.7 161.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.353 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086197.D

Acq: 01 Apr 2025 15:37

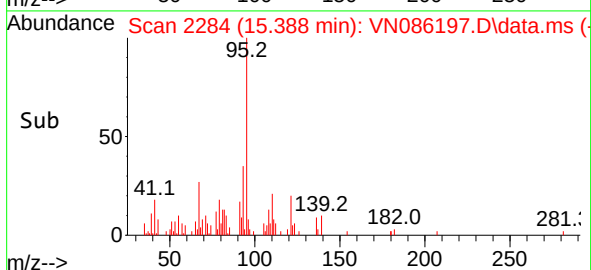
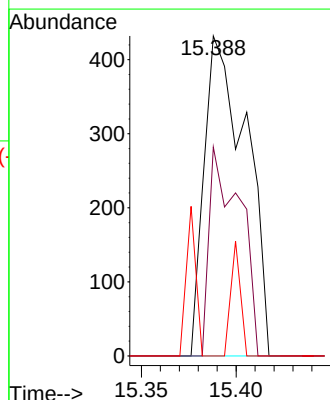
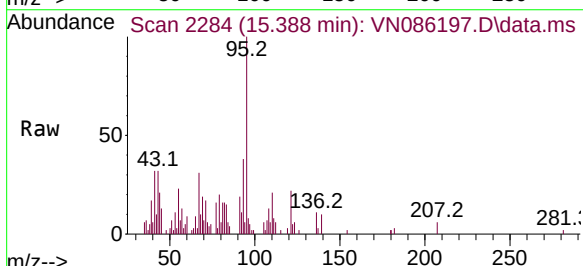
Tgt Ion: 180 Resp: 664

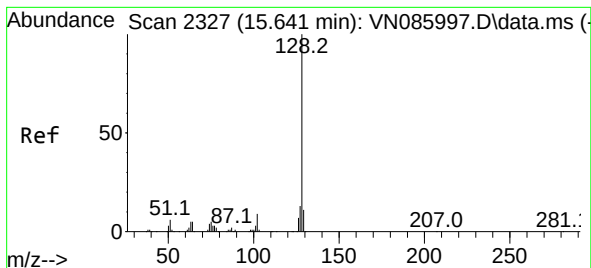
Ion Ratio Lower Upper

180 100

182 47.9 47.0 141.0

145 8.3 15.5 46.5#





#95

Naphthalene

Concen: 1.110 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086197.D

Acq: 01 Apr 2025 15:37

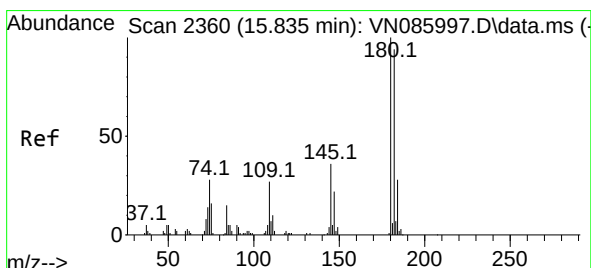
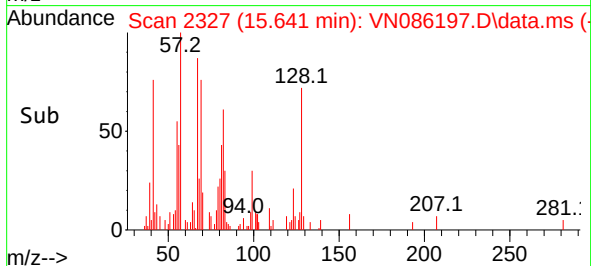
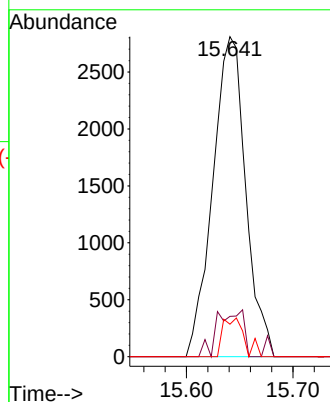
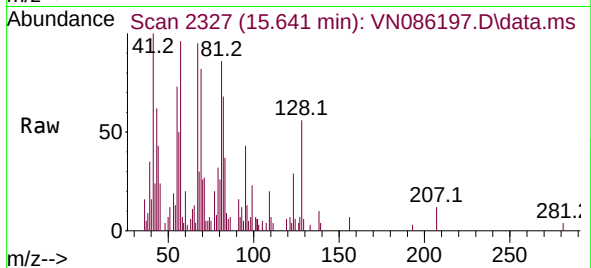
Instrument :

MSVOA\_N

ClientSampleId :

3809

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 6042      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 11.6  | 10.2 15.4 |
| 129         | 7.8   | 9.0 13.6# |



#96

1,2,3-Trichlorobenzene

Concen: 0.293 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086197.D

Acq: 01 Apr 2025 15:37

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 523        |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 128.5 | 47.5 142.5 |
| 145         | 0.0   | 17.7 53.1# |

