

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052324\  
 Data File : VN082327.D  
 Acq On : 23 May 2024 17:32  
 Operator : JC\MD  
 Sample : P2562-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: May 24 04:21:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

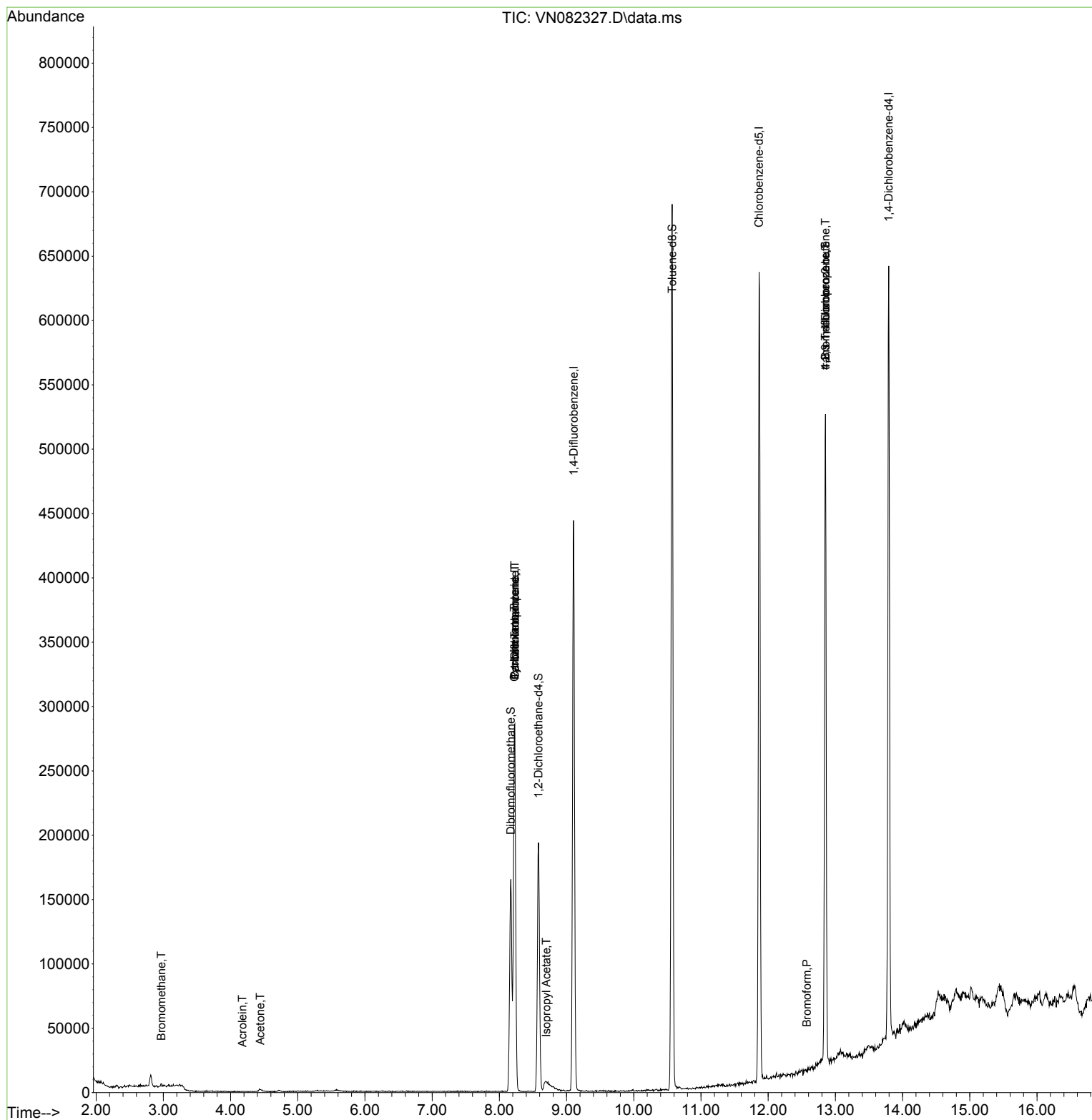
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.230  | 168   | 202212   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106  | 114   | 356470   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.865 | 117   | 336109   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 148430   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 160922   | 50.399   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 100.800% |          |
| 35) Dibromofluoromethane      | 8.171  | 113   | 112159   | 51.148   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 102.300% |          |
| 50) Toluene-d8                | 10.571 | 98    | 448436   | 53.340   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 106.680% |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 164376   | 54.779   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery | = 109.560% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 5) Bromomethane               | 2.971  | 94    | 581      | 0.325    | ug/l #     | 78       |
| 13) Acrolein                  | 4.177  | 56    | 136      | 0.358    | ug/l #     | 15       |
| 16) Acetone                   | 4.442  | 43    | 3914     | 2.988    | ug/l       | 92       |
| 31) Cyclohexane               | 8.224  | 56    | 5601     | 1.098    | ug/l #     | 42       |
| 36) 1,1-Dichloropropene       | 8.230  | 75    | 18148    | 4.935    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 8.230  | 117   | 22961    | 6.159    | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.700  | 43    | 8021     | 1.100    | ug/l #     | 52       |
| 71) Bromoform                 | 12.576 | 173   | 281      | 0.843    | ug/l #     | 28       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 95681    | 30.627   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 95681    | 71.635   | ug/l #     | 13       |
| -----                         |        |       |          |          |            |          |

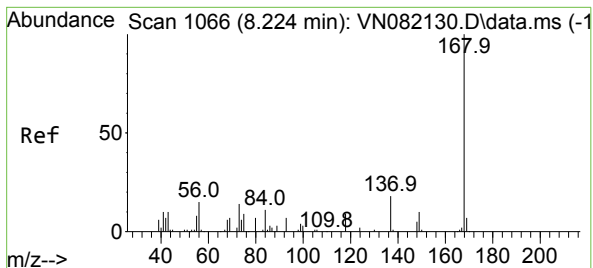
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052324\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: May 24 04:21:49 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082327.D

Acq: 23 May 2024 17:32

Instrument :

MSVOA\_N

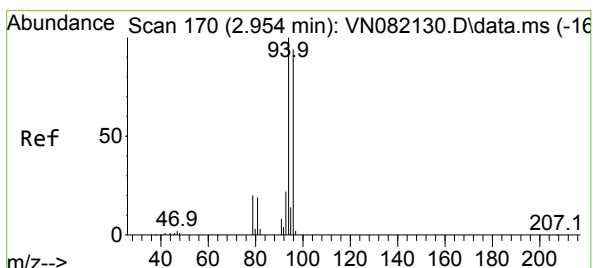
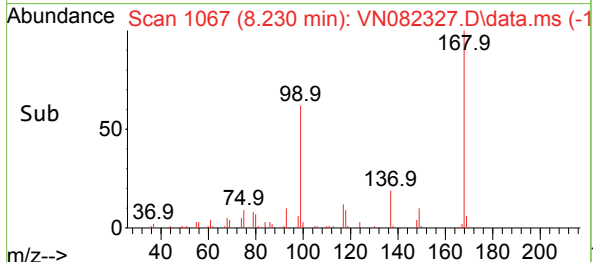
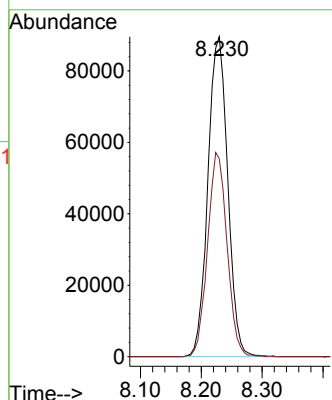
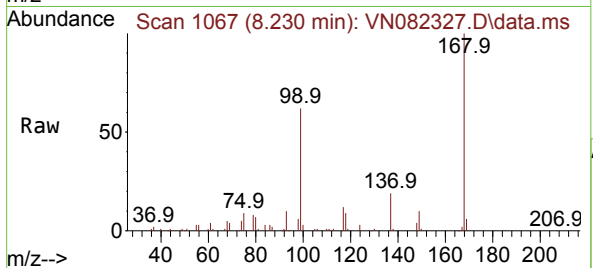
ClientSampleId :

Tgt Ion:168 Resp: 202212

Ion Ratio Lower Upper

168 100

99 61.9 48.2 72.4



#5

Bromomethane

Concen: 0.325 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.018 min

Lab File: VN082327.D

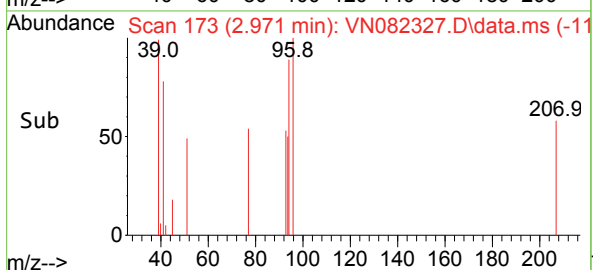
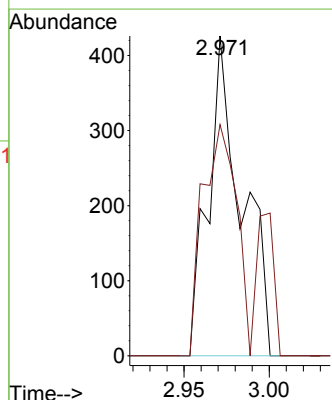
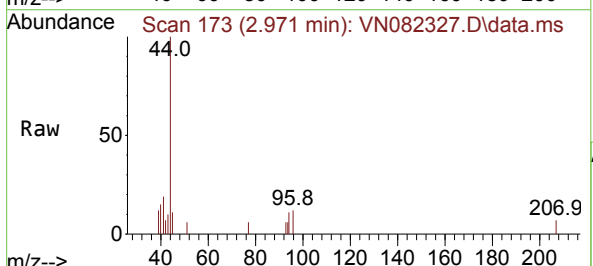
Acq: 23 May 2024 17:32

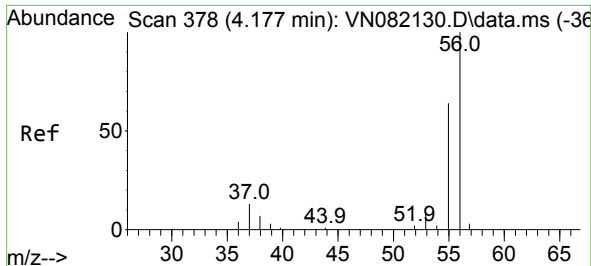
Tgt Ion: 94 Resp: 581

Ion Ratio Lower Upper

94 100

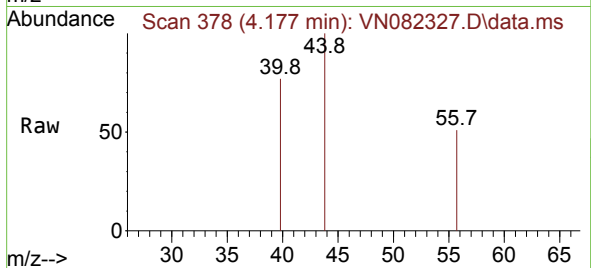
96 72.3 74.8 112.2#



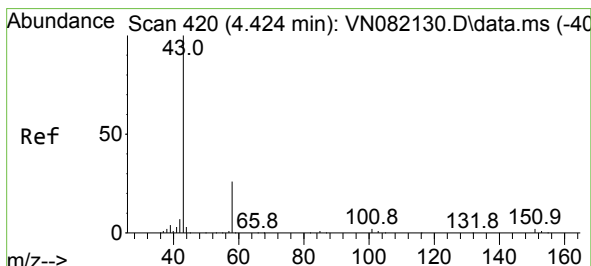
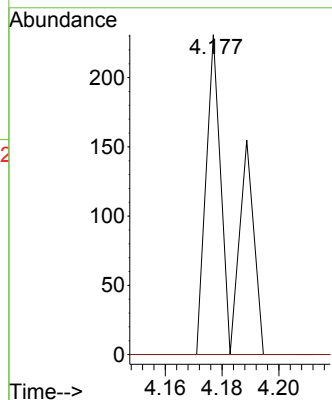
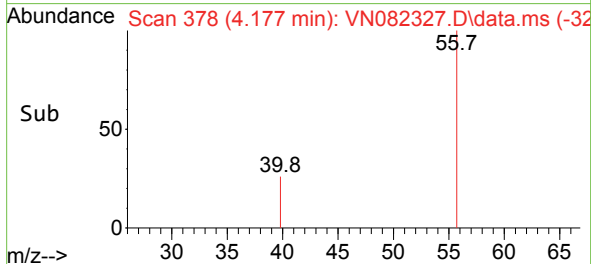


#13  
Acrolein  
Concen: 0.358 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

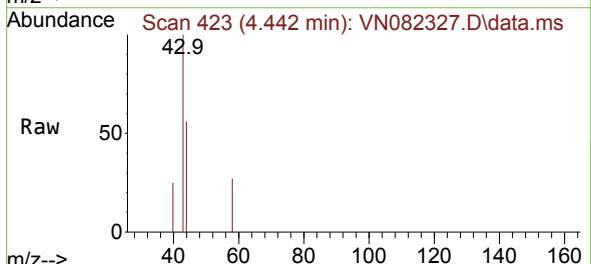
Instrument :  
MSVOA\_N  
ClientSampleId :



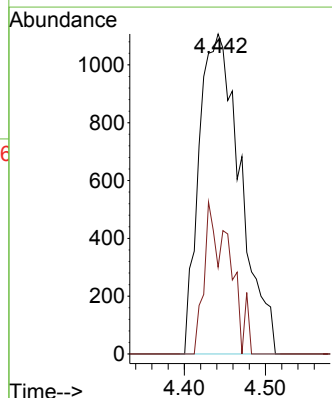
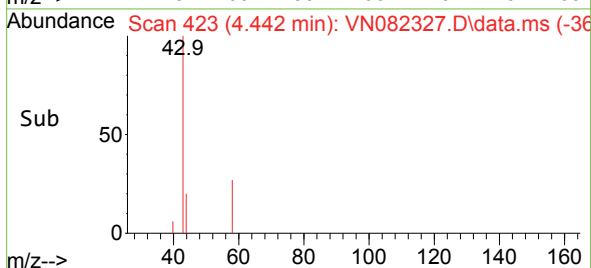
Tgt Ion: 56 Resp: 136  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.8 83.8#

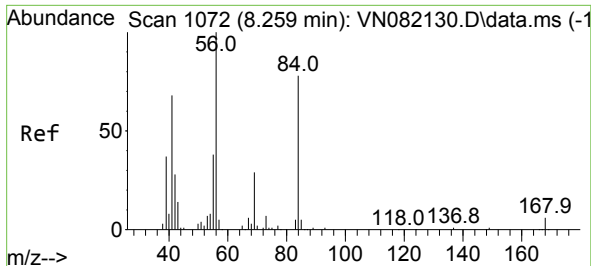


#16  
Acetone  
Concen: 2.988 ug/l  
RT: 4.442 min Scan# 423  
Delta R.T. 0.018 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32



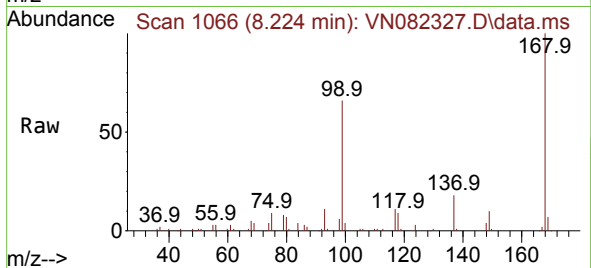
Tgt Ion: 43 Resp: 3914  
Ion Ratio Lower Upper  
43 100  
58 27.1 25.2 37.8



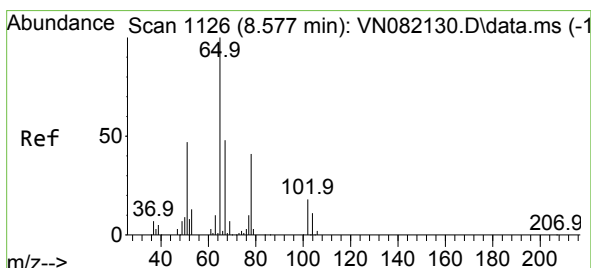
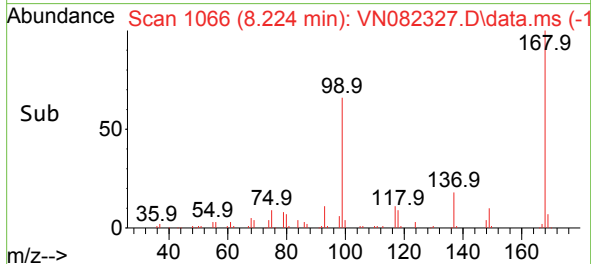
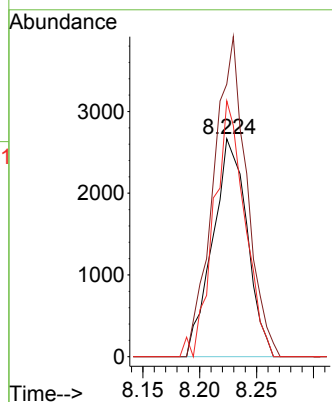


#31  
Cyclohexane  
Concen: 1.098 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Instrument :  
MSVOA\_N  
ClientSampleId :

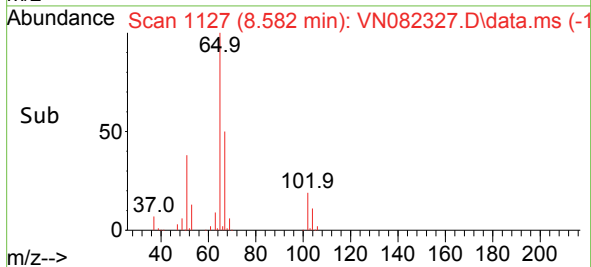
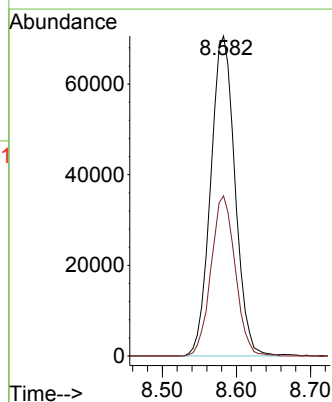
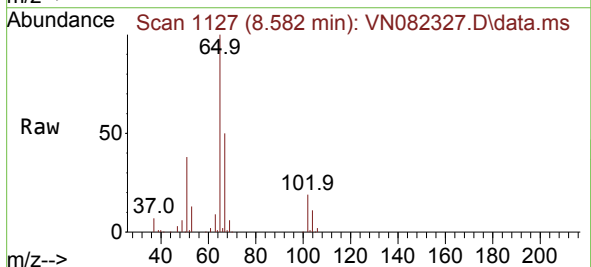


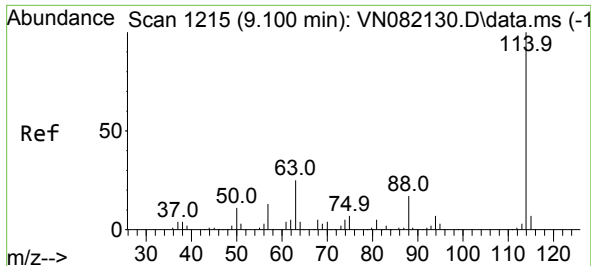
Tgt Ion: 56 Resp: 5601  
Ion Ratio Lower Upper  
56 100  
69 125.0 24.4 36.6#  
84 117.4 77.0 115.4#



#33  
1,2-Dichloroethane-d4  
Concen: 50.399 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Tgt Ion: 65 Resp: 160922  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 103.0

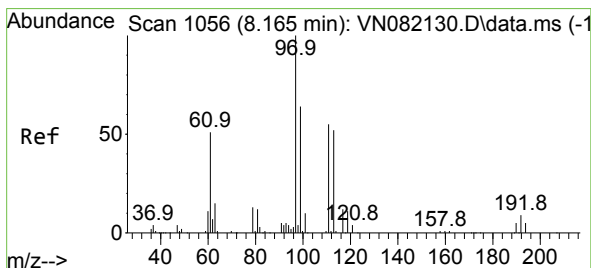
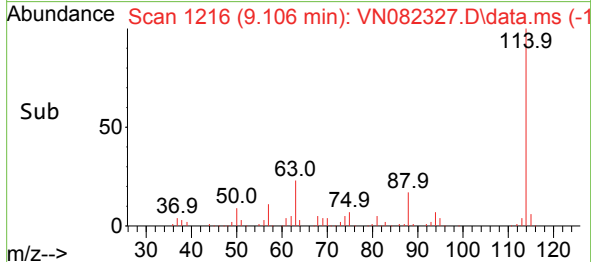
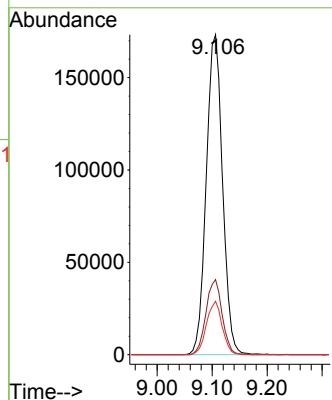
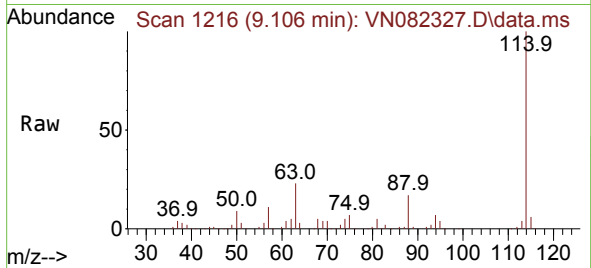




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

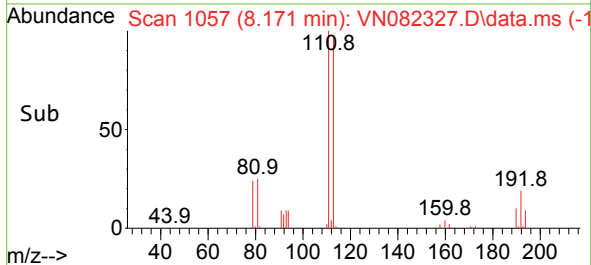
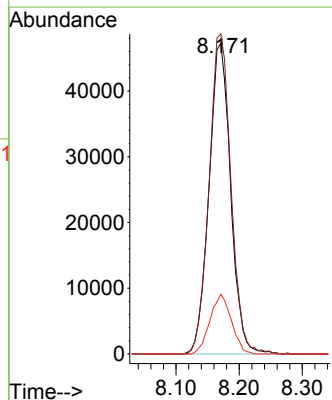
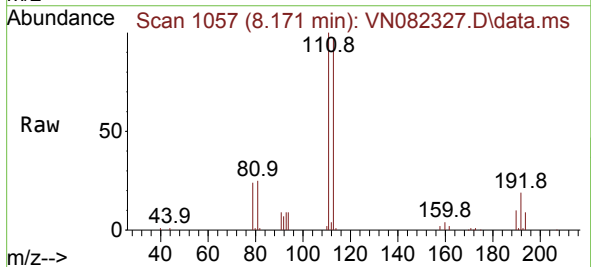
Instrument :  
MSVOA\_N  
ClientSampleId :

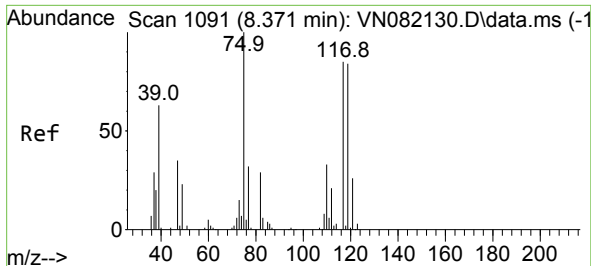
Tgt Ion:114 Resp: 356470  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 41.0  
88 16.7 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 51.148 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Tgt Ion:113 Resp: 112159  
Ion Ratio Lower Upper  
113 100  
111 104.5 83.4 125.2  
192 19.1 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.935 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

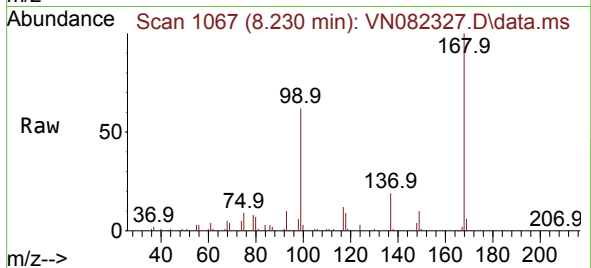
Lab File: VN082327.D

Acq: 23 May 2024 17:32

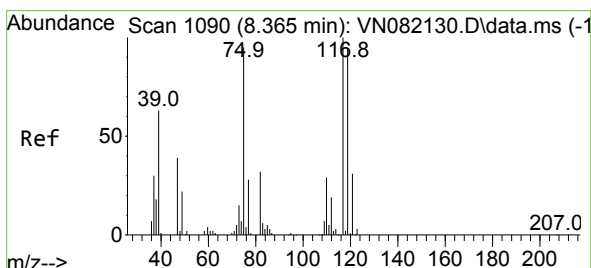
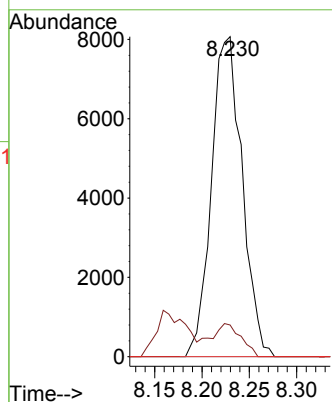
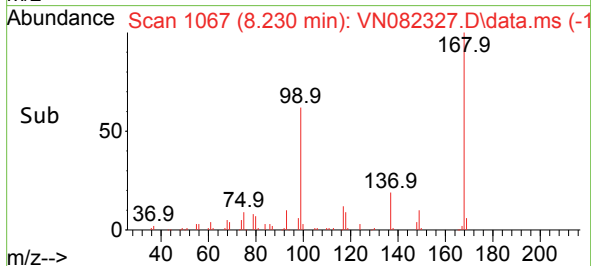
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 18148 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.5   | 17.8  | 53.5# |
| 77       | 0.0   | 25.0  | 37.4# |



#38

Carbon Tetrachloride

Concen: 6.159 ug/l

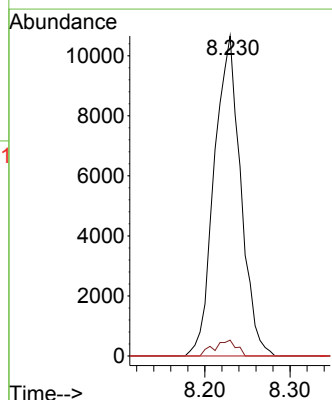
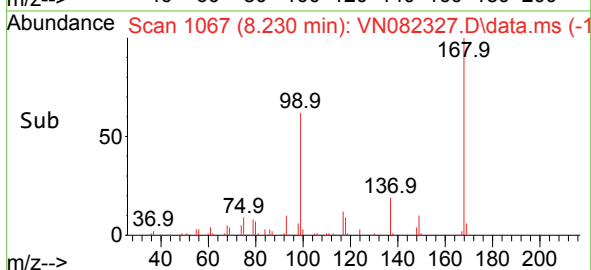
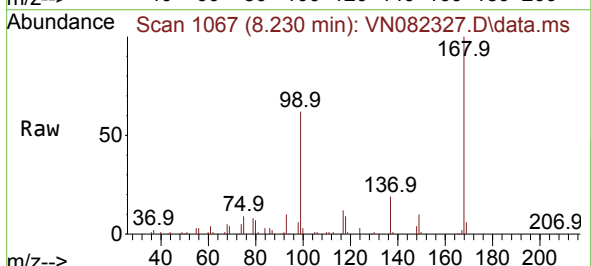
RT: 8.230 min Scan# 1067

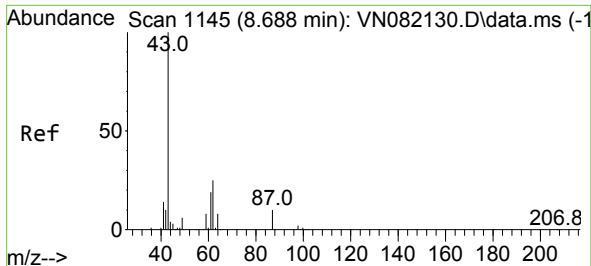
Delta R.T. -0.135 min

Lab File: VN082327.D

Acq: 23 May 2024 17:32

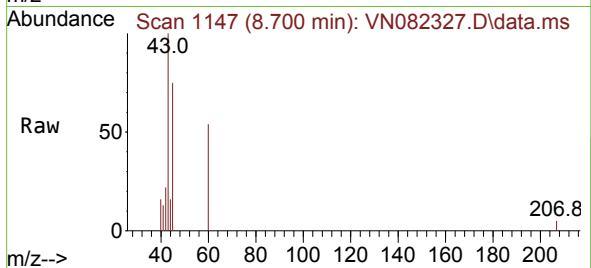
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 22961  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.0   | 76.5  | 114.7# |
| 121      | 0.0   | 23.9  | 35.9#  |



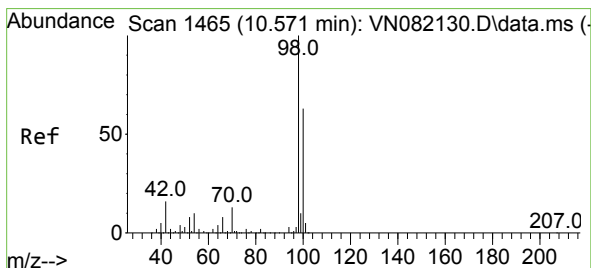
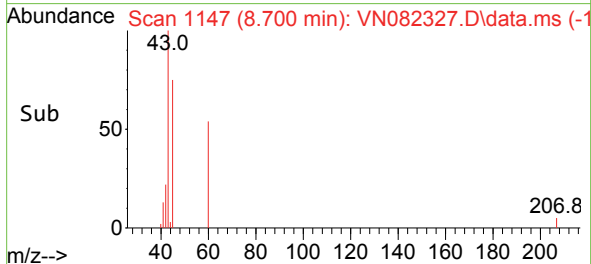
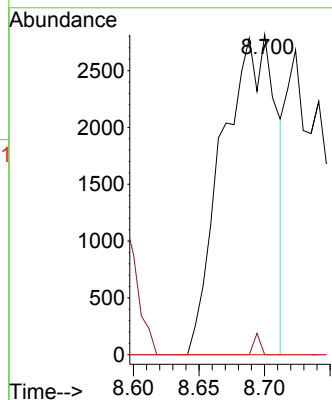


#43  
Isopropyl Acetate  
Concen: 1.100 ug/l  
RT: 8.700 min Scan# 1145  
Delta R.T. 0.012 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Instrument :  
MSVOA\_N  
ClientSampleId :

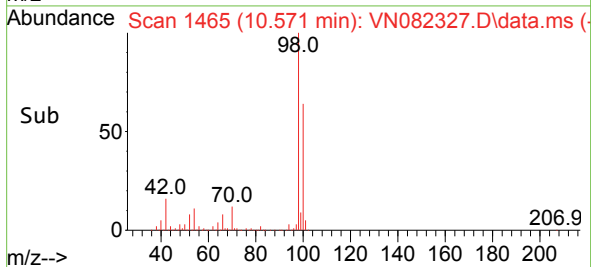
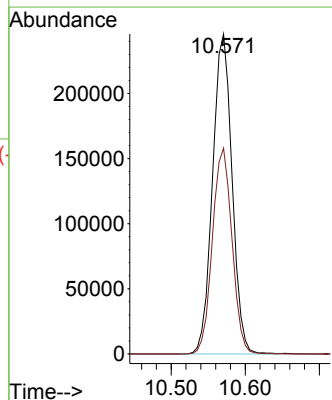
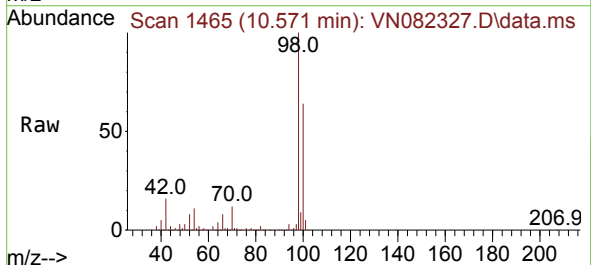


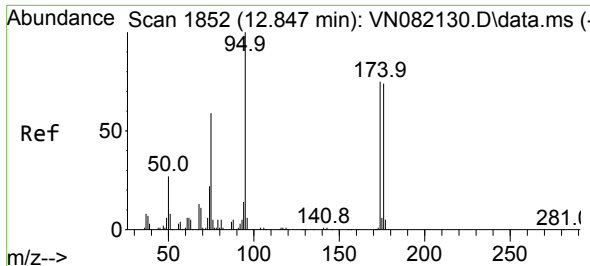
Tgt Ion: 43 Resp: 8021  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 53.340 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Tgt Ion: 98 Resp: 448436  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6

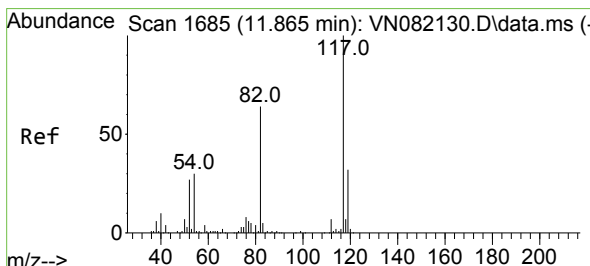
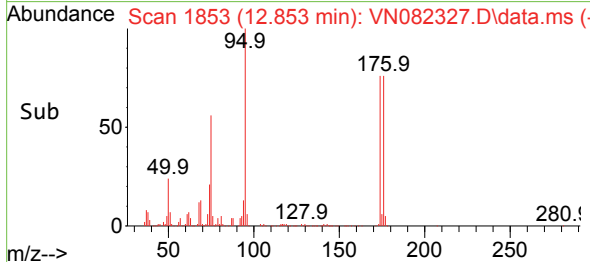
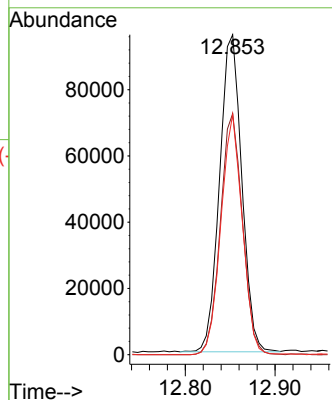
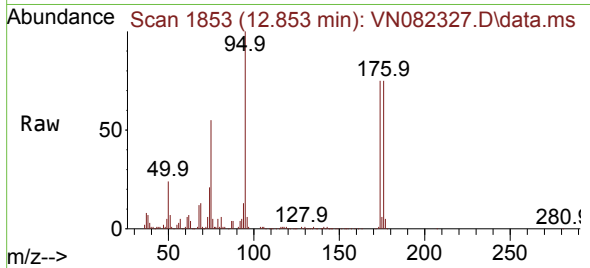




#62  
4-Bromofluorobenzene  
Concen: 54.779 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

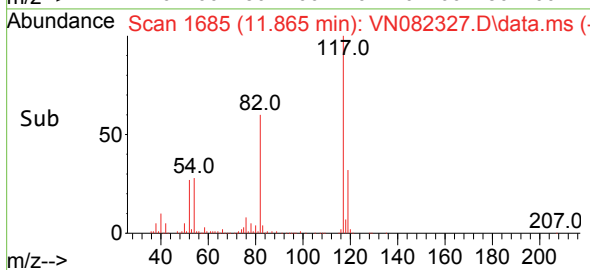
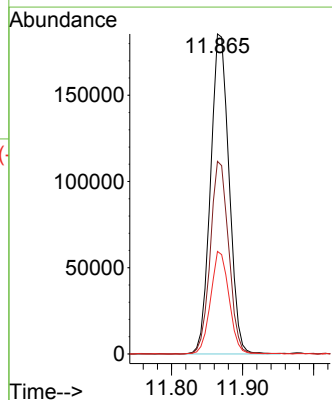
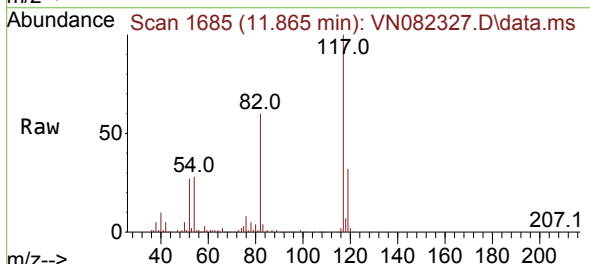
Instrument :  
MSVOA\_N  
ClientSampleId :

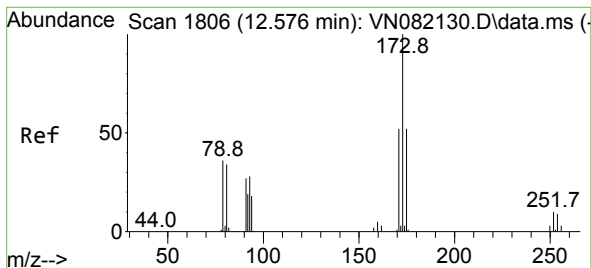
Tgt Ion: 95 Resp: 164376  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 160.6  
176 73.1 0.0 152.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN082327.D  
Acq: 23 May 2024 17:32

Tgt Ion: 117 Resp: 336109  
Ion Ratio Lower Upper  
117 100  
82 60.2 44.6 66.8  
119 32.1 25.9 38.9





#71

Bromoform

Concen: 0.843 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN082327.D

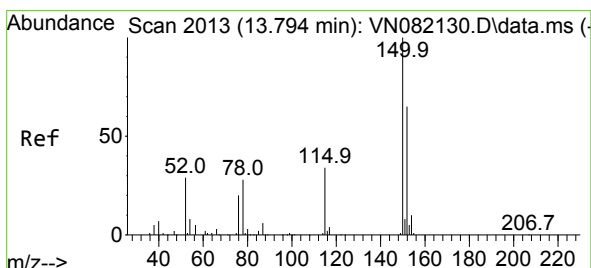
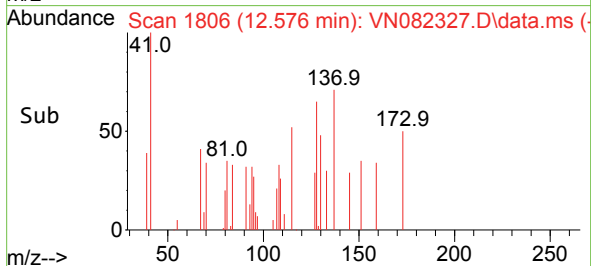
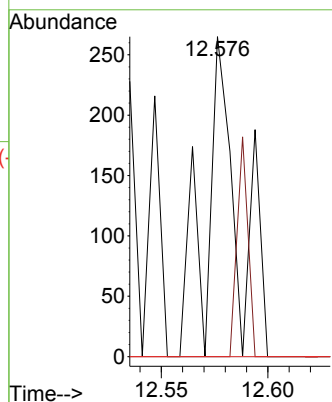
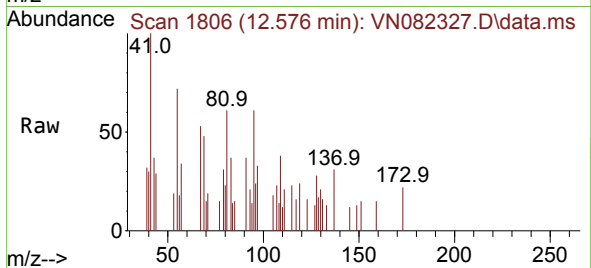
Acq: 23 May 2024 17:32

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 281   |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 0.0   | 24.6  | 74.0# |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

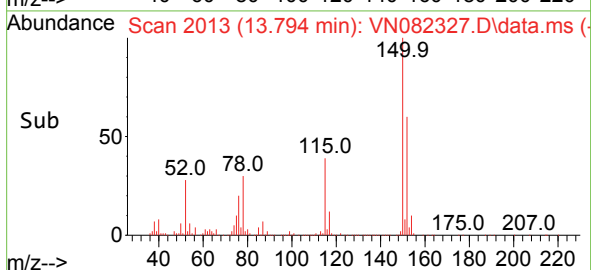
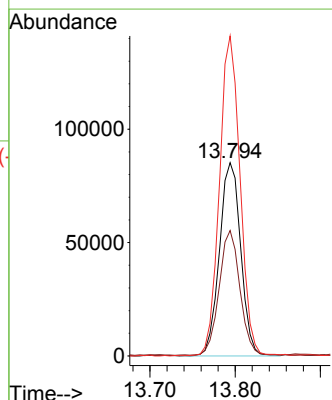
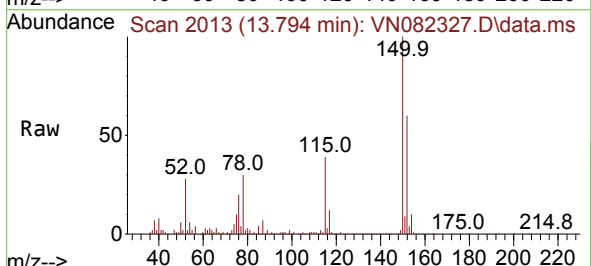
RT: 13.794 min Scan# 2013

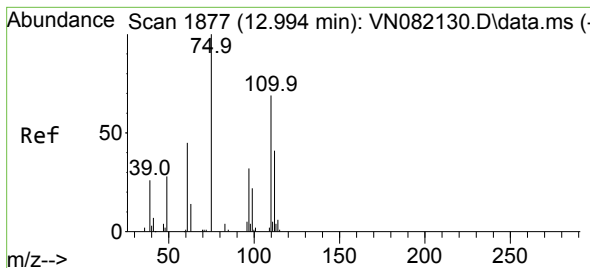
Delta R.T. -0.000 min

Lab File: VN082327.D

Acq: 23 May 2024 17:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 148430 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.8  | 30.4  | 91.3   |
| 150       | 160.5 | 0.0   | 353.2  |





#76

1,2,3-Trichloropropane

Concen: 30.627 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082327.D

Acq: 23 May 2024 17:32

Instrument :

MSVOA\_N

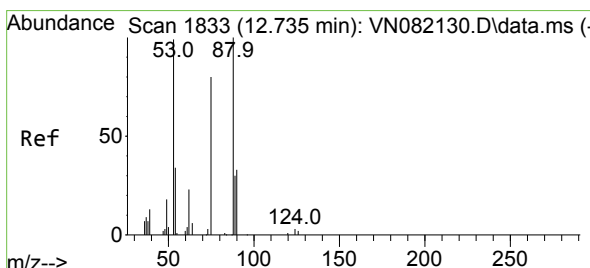
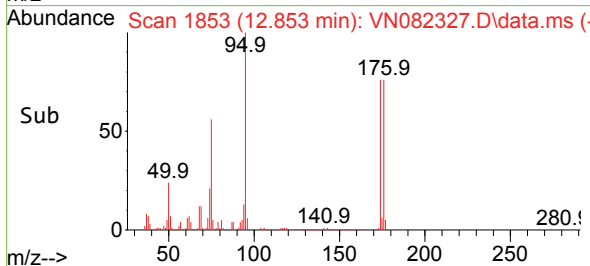
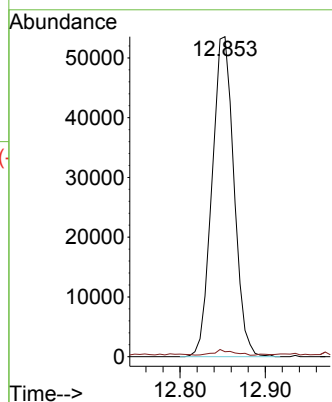
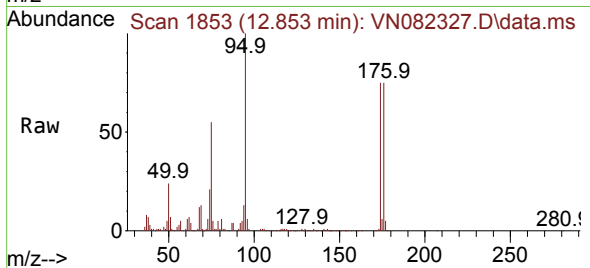
ClientSampleId :

Tgt Ion: 75 Resp: 95681

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.635 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082327.D

Acq: 23 May 2024 17:32

Tgt Ion: 75 Resp: 95681

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#

