

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052024\  
 Data File : VN082225.D  
 Acq On : 20 May 2024 21:24  
 Operator : JC\MD  
 Sample : P2537-03 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 449

Quant Time: May 21 03:55:36 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

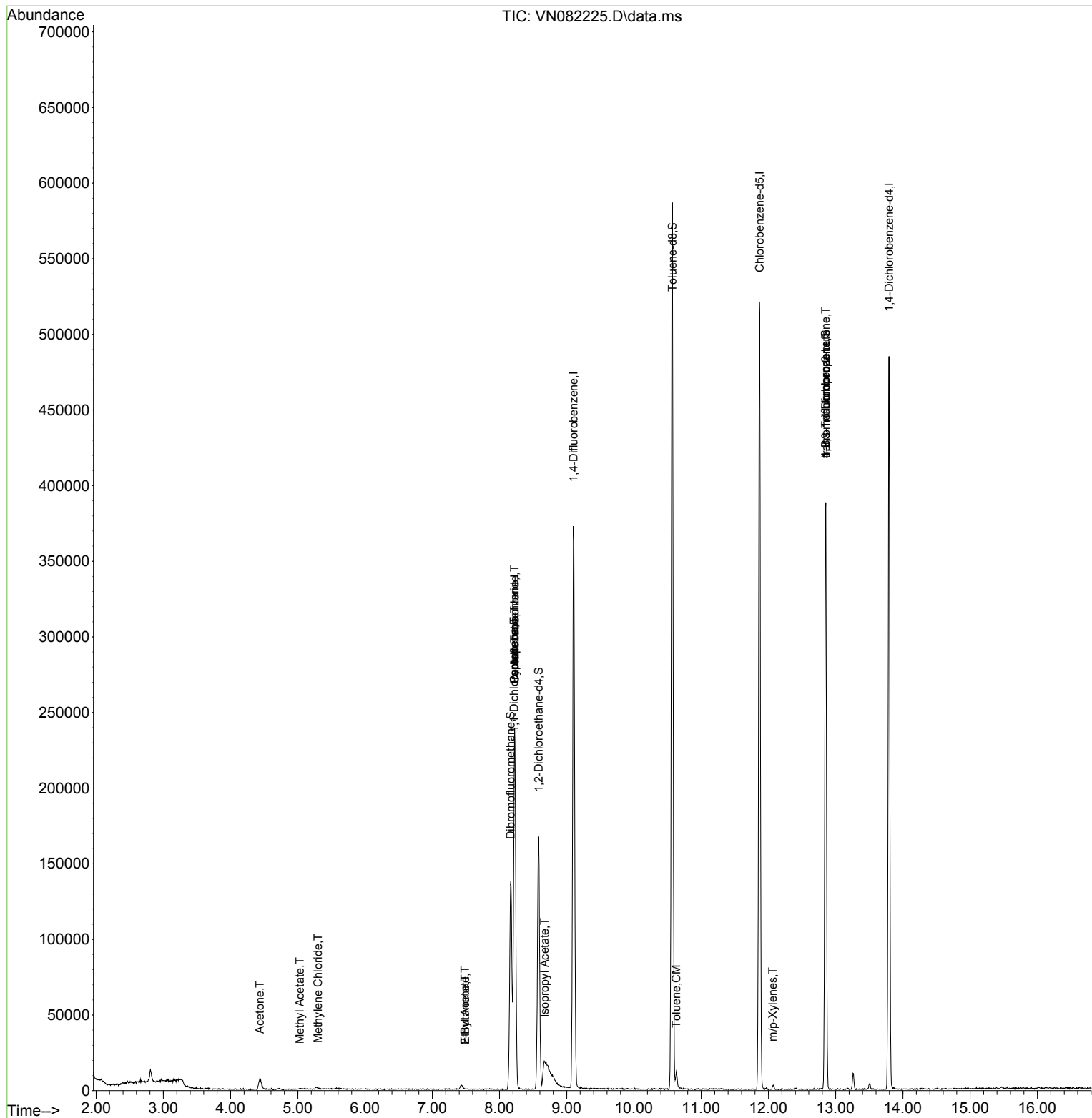
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 8.224  | 168   | 163541   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100  | 114   | 296419   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.871 | 117   | 279240   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794 | 152   | 118315   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.582  | 65    | 139252   | 53.924   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | = 107.840% |          |
| 35) Dibromofluoromethane      | 8.165  | 113   | 95111    | 52.160   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 104.320% |          |
| 50) Toluene-d8                | 10.571 | 98    | 375506   | 53.714   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | = 107.420% |          |
| 62) 4-Bromofluorobenzene      | 12.853 | 95    | 126104   | 50.538   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 64 - 133 | Recovery | = 101.080% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 4.436  | 43    | 14435    | 13.627   | ug/l #     | 84       |
| 18) Methyl Acetate            | 5.030  | 43    | 1114     | 0.422    | ug/l #     | 47       |
| 20) Methylene Chloride        | 5.300  | 84    | 763      | 0.357    | ug/l #     | 64       |
| 25) 2-Butanone                | 7.488  | 43    | 747      | 0.465    | ug/l #     | 43       |
| 31) Cyclohexane               | 8.224  | 56    | 4772     | 1.157    | ug/l #     | 22       |
| 36) 1,1-Dichloropropene       | 8.218  | 75    | 15666    | 5.123    | ug/l #     | 49       |
| 37) Ethyl Acetate             | 7.488  | 43    | 747      | 0.218    | ug/l #     | 68       |
| 38) Carbon Tetrachloride      | 8.224  | 117   | 18806    | 6.066    | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.671  | 43    | 15385    | 2.537    | ug/l #     | 52       |
| 52) Toluene                   | 10.629 | 92    | 4331     | 0.791    | ug/l       | 90       |
| 68) m/p-Xylenes               | 12.065 | 106   | 1050     | 0.260    | ug/l       | 92       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75    | 73781    | 29.628   | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75    | 73781    | 69.299   | ug/l #     | 12       |
| -----                         |        |       |          |          |            |          |

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

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Sample : P2537-03 50X  
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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
449

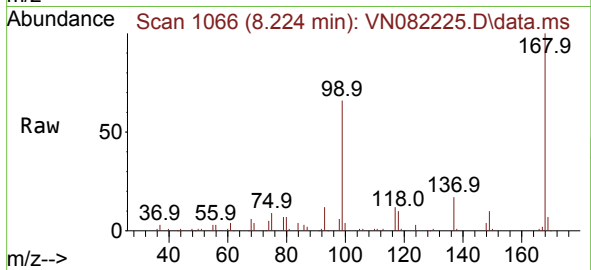
Quant Time: May 21 03:55:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 16 05:21:06 2024  
Response via : Initial Calibration



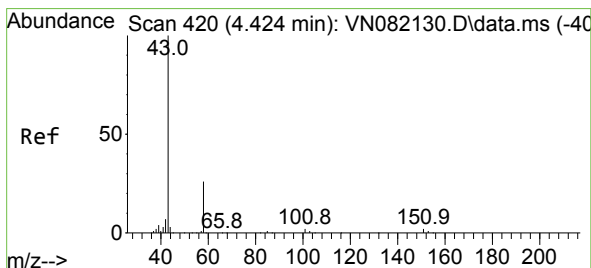
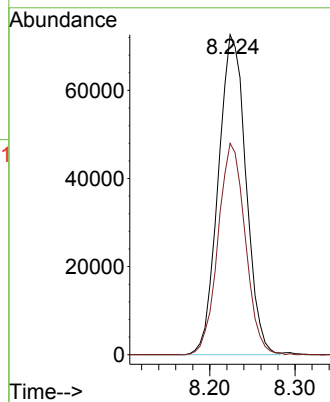
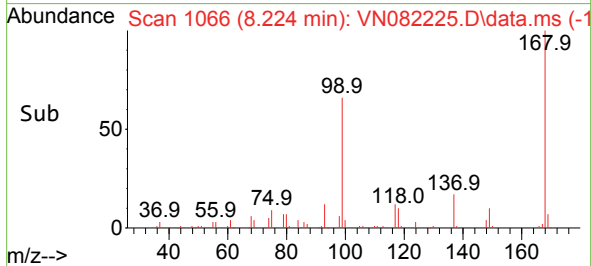


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
449

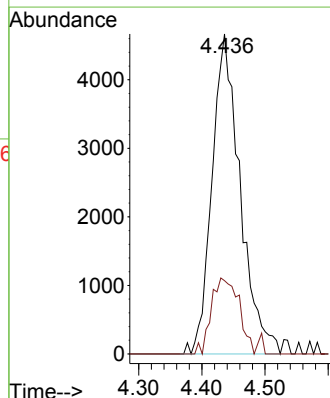
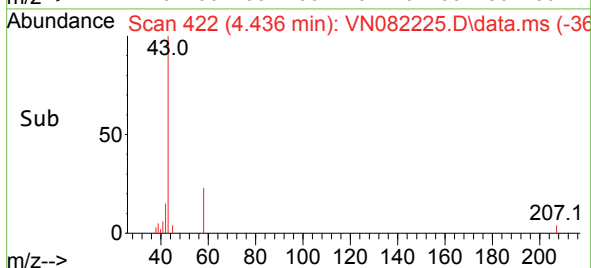
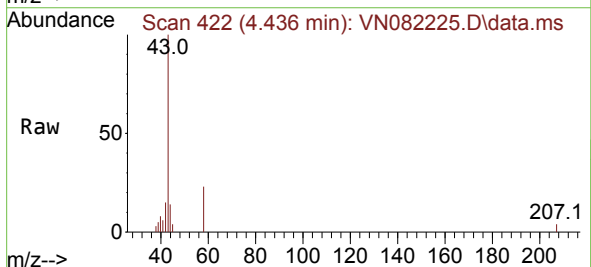


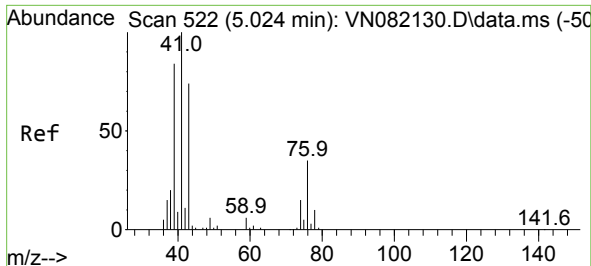
Tgt Ion:168 Resp: 163541  
Ion Ratio Lower Upper  
168 100  
99 66.0 48.2 72.4



#16  
Acetone  
Concen: 13.627 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.012 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion: 43 Resp: 14435  
Ion Ratio Lower Upper  
43 100  
58 22.9 25.2 37.8#

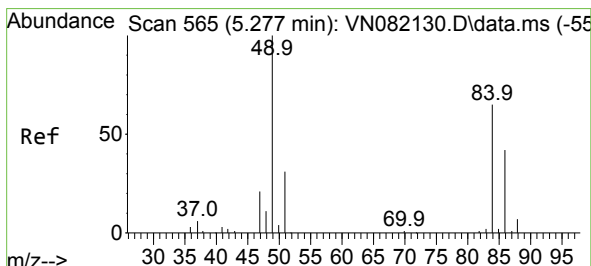
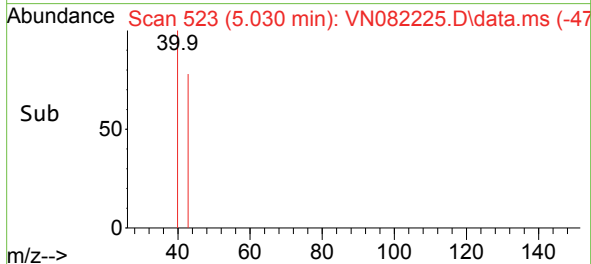
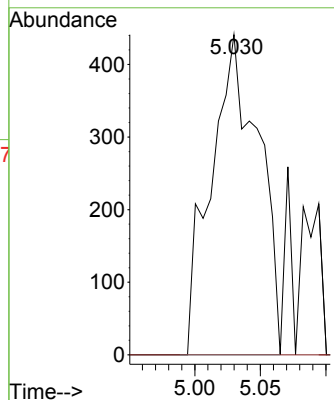
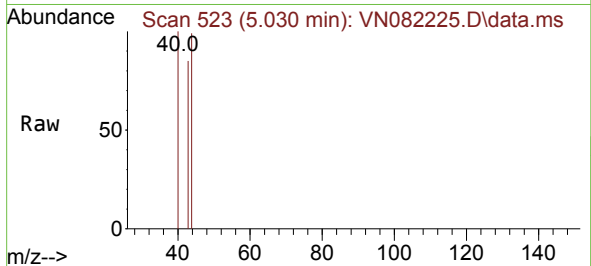




#18  
Methyl Acetate  
Concen: 0.422 ug/l  
RT: 5.030 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

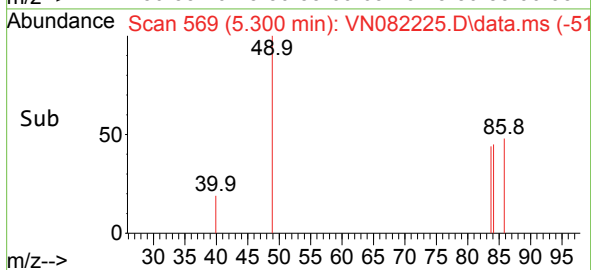
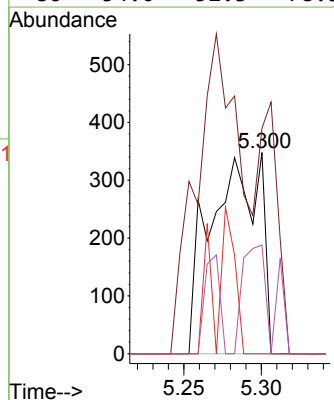
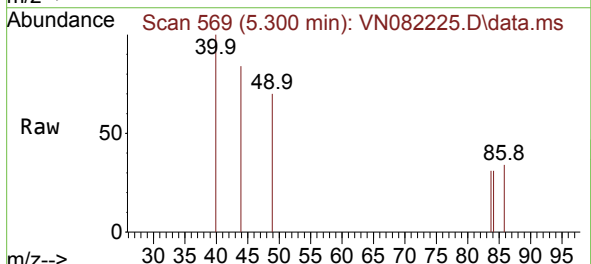
Instrument :  
MSVOA\_N  
ClientSampleId :  
449

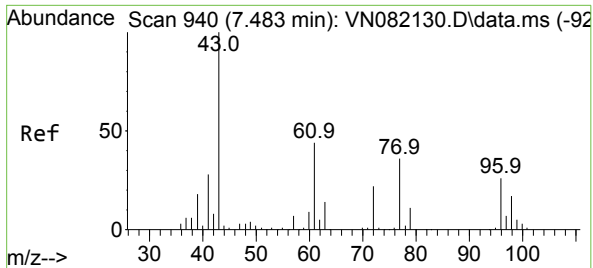
Tgt Ion: 43 Resp: 1114  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.2 33.2#



#20  
Methylene Chloride  
Concen: 0.357 ug/l  
RT: 5.300 min Scan# 569  
Delta R.T. 0.023 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion: 84 Resp: 763  
Ion Ratio Lower Upper  
84 100  
49 62.4 84.9 127.3#  
51 0.0 27.0 40.6#  
86 54.0 52.3 78.5

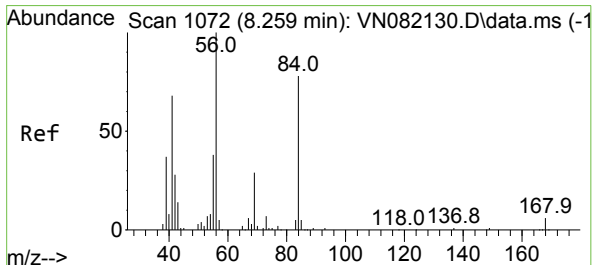
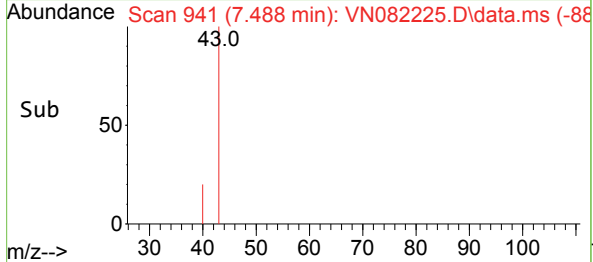
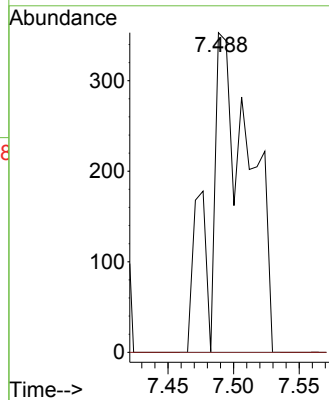
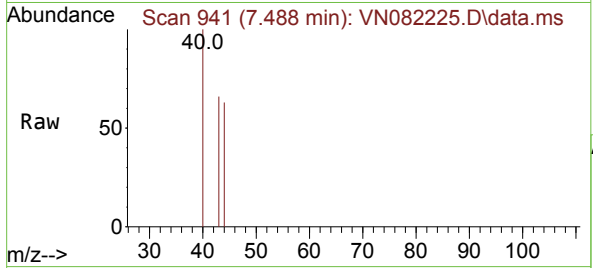




#25  
2-Butanone  
Concen: 0.465 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

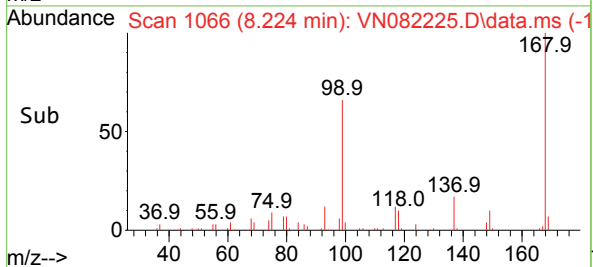
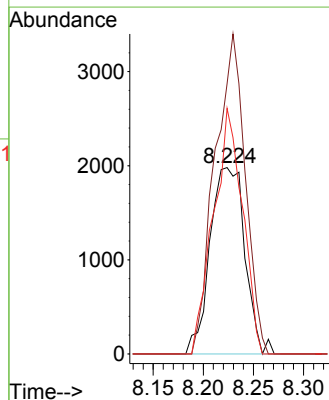
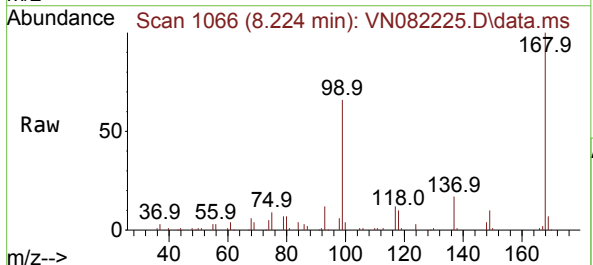
Instrument :  
MSVOA\_N  
ClientSampleId :  
449

Tgt Ion: 43 Resp: 747  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.3 37.9#



#31  
Cyclohexane  
Concen: 1.157 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.035 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion: 56 Resp: 4772  
Ion Ratio Lower Upper  
56 100  
69 145.0 24.4 36.6#  
84 131.8 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.924 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082225.D

Acq: 20 May 2024 21:24

Instrument :

MSVOA\_N

ClientSampleId :

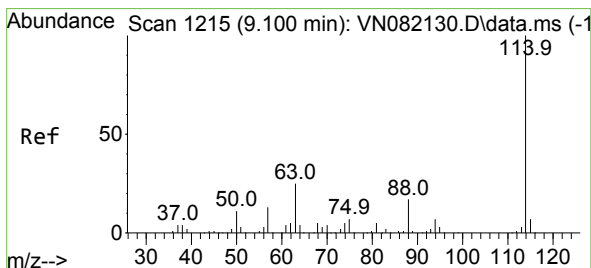
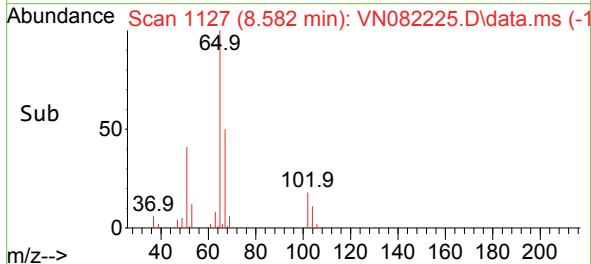
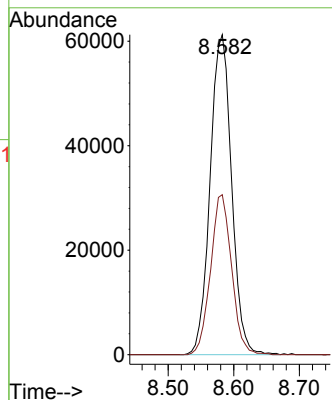
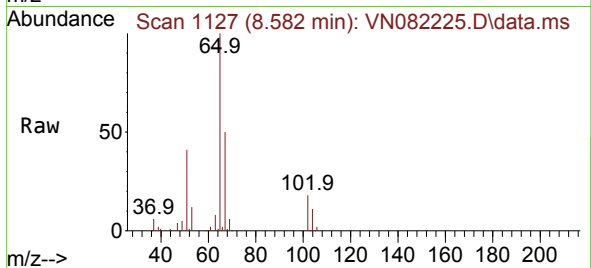
449

Tgt Ion: 65 Resp: 139252

Ion Ratio Lower Upper

65 100

67 49.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082225.D

Acq: 20 May 2024 21:24

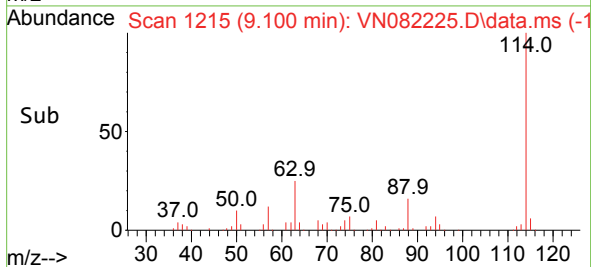
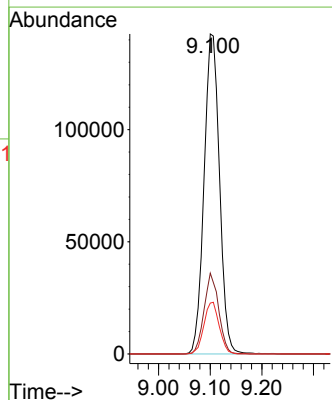
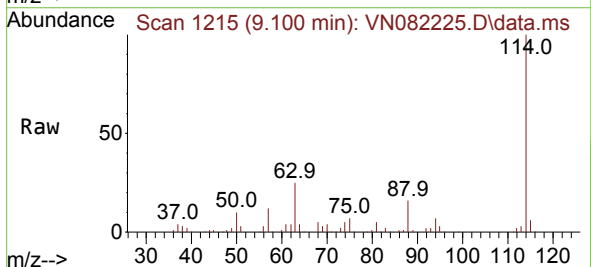
Tgt Ion: 114 Resp: 296419

Ion Ratio Lower Upper

114 100

63 25.2 0.0 41.0

88 15.9 0.0 31.4

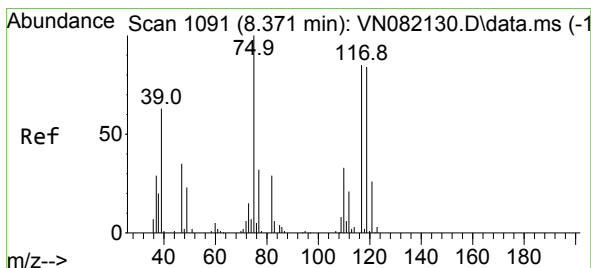
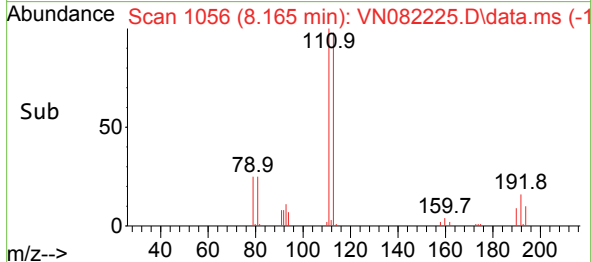
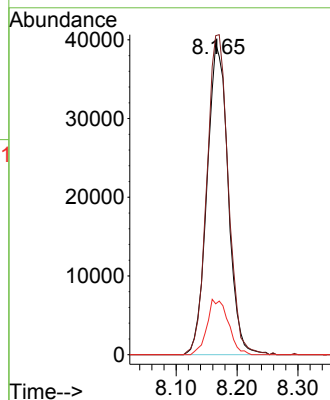
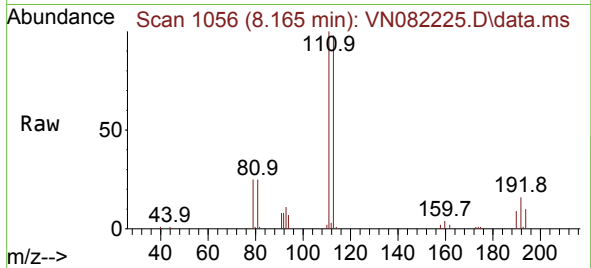




#35  
Dibromofluoromethane  
Concen: 52.160 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

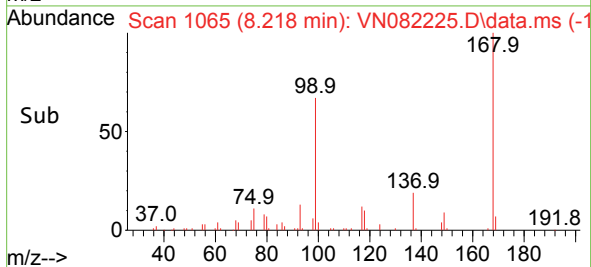
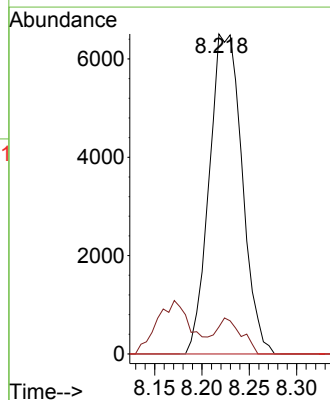
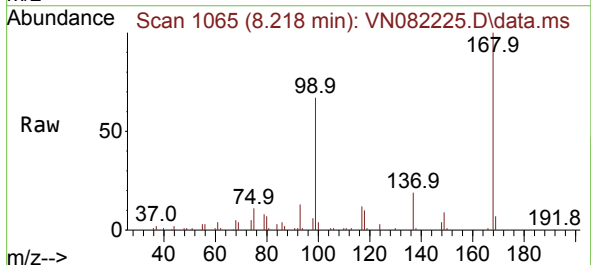
Instrument :  
MSVOA\_N  
ClientSampleId :  
449

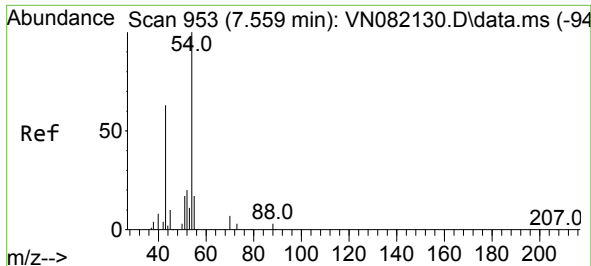
Tgt Ion:113 Resp: 95111  
Ion Ratio Lower Upper  
113 100  
111 104.3 83.4 125.2  
192 17.9 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 5.123 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.153 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

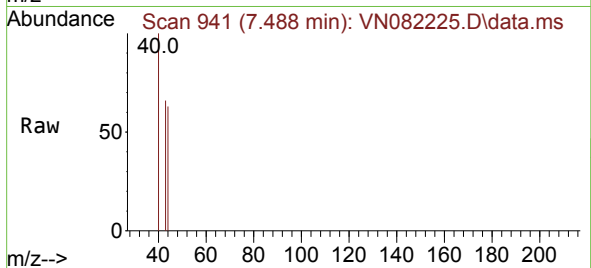
Tgt Ion: 75 Resp: 15666  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.8 53.5#  
77 0.0 25.0 37.4#



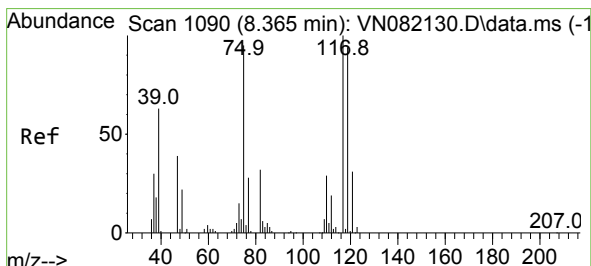
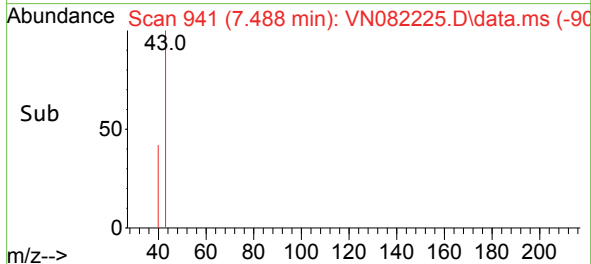
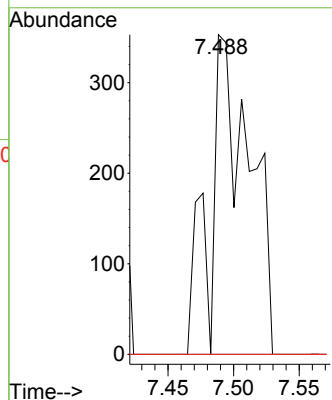


#37  
Ethyl Acetate  
Concen: 0.218 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.071 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Instrument :  
MSVOA\_N  
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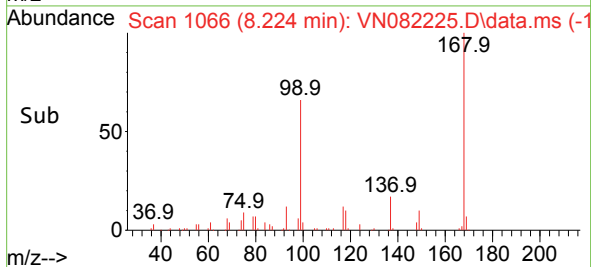
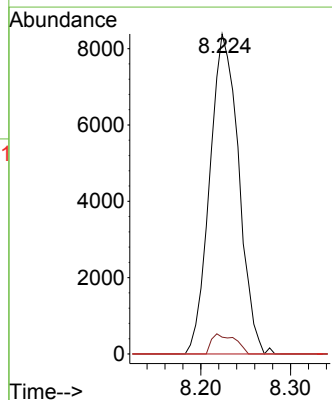
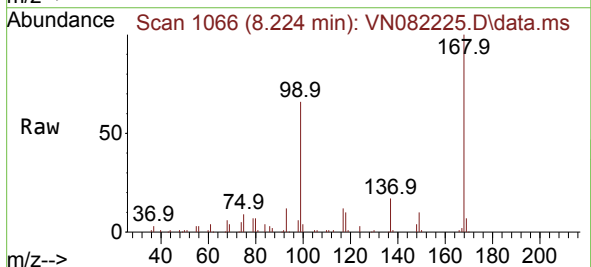


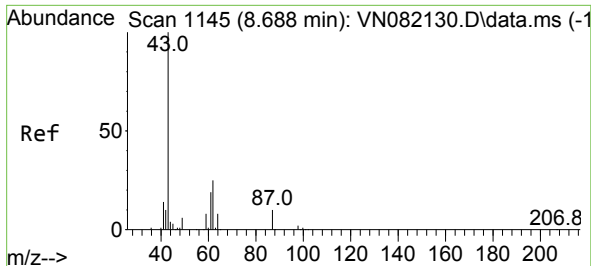
Tgt Ion: 43 Resp: 747  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.3 16.9#  
70 0.0 8.7 13.1#



#38  
Carbon Tetrachloride  
Concen: 6.066 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.141 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion: 117 Resp: 18806  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.5 114.7#  
121 0.0 23.9 35.9#

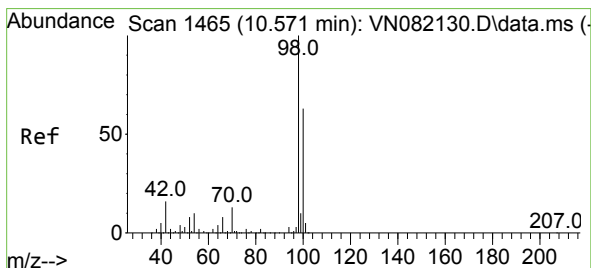
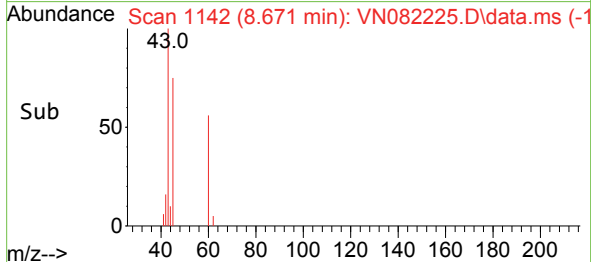
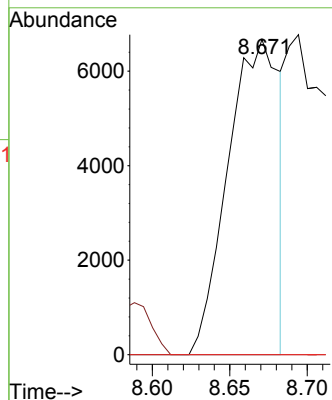
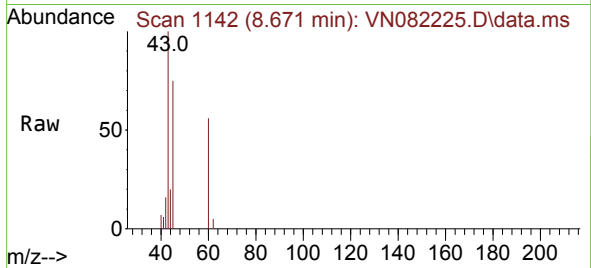




#43  
Isopropyl Acetate  
Concen: 2.537 ug/l  
RT: 8.671 min Scan# 1145  
Delta R.T. -0.018 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

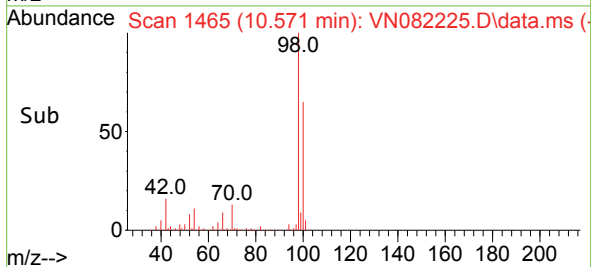
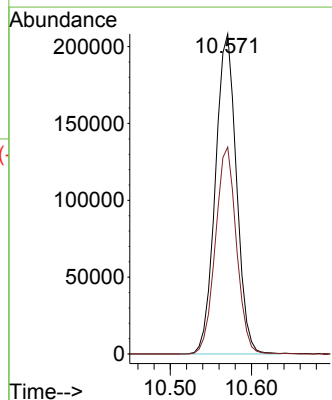
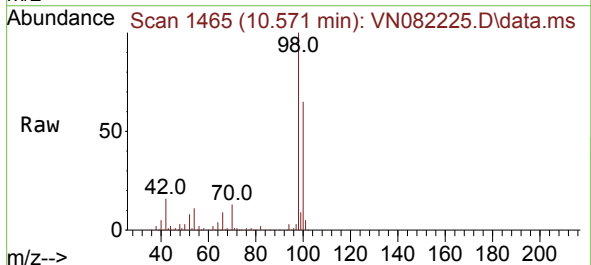
Instrument :  
MSVOA\_N  
ClientSampleId :  
449

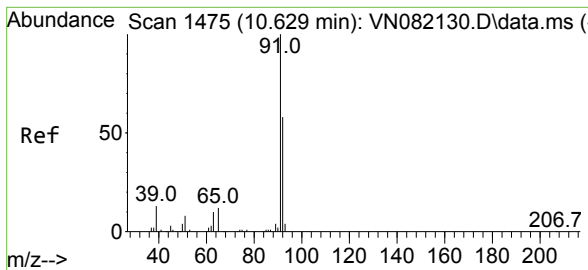
Tgt Ion: 43 Resp: 15385  
Ion Ratio Lower Upper  
43 100  
61 0.0 22.8 34.2#  
87 0.0 12.0 18.0#



#50  
Toluene-d8  
Concen: 53.714 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion: 98 Resp: 375506  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6

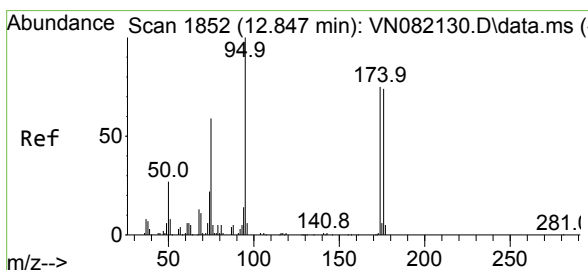
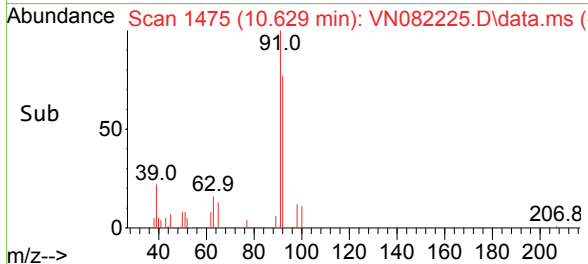
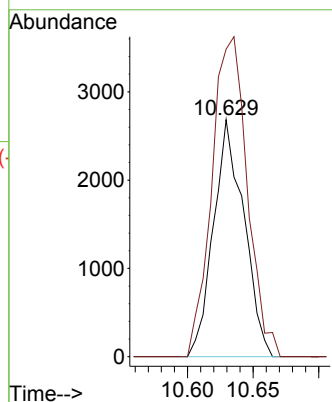
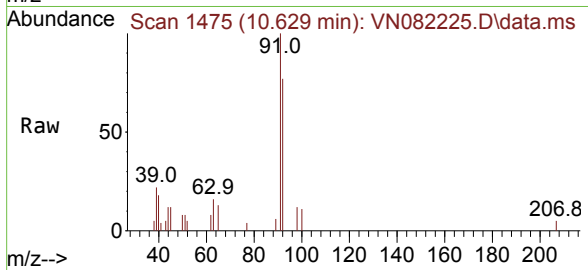




#52  
Toluene  
Concen: 0.791 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

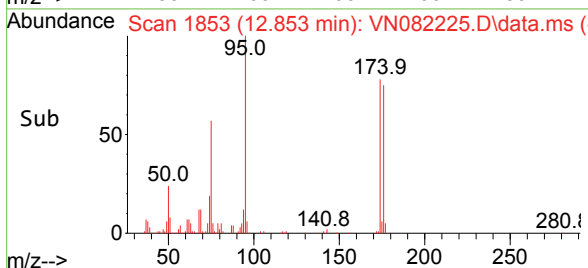
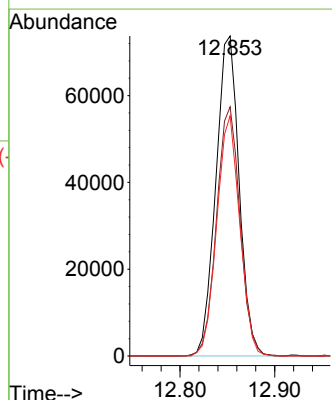
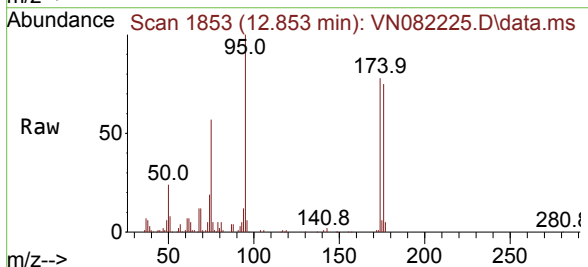
Instrument : MSVOA\_N  
ClientSampleId : 449

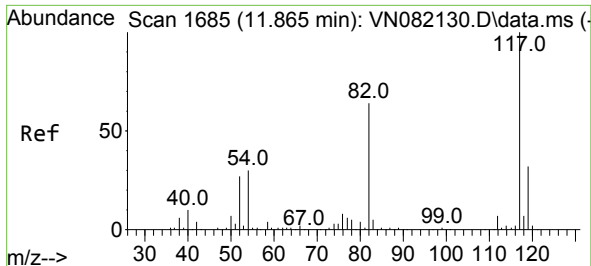
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 157.3 | 136.7 | 205.1 |



#62  
4-Bromofluorobenzene  
Concen: 50.538 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.2  | 0.0   | 160.6 |
| 176     | 73.9  | 0.0   | 152.8 |

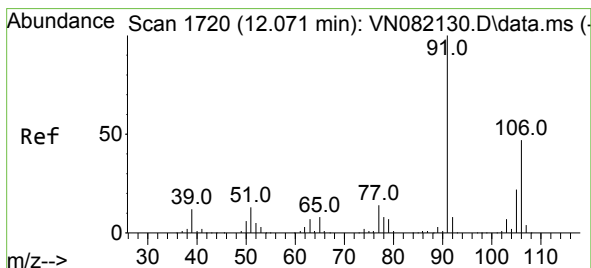
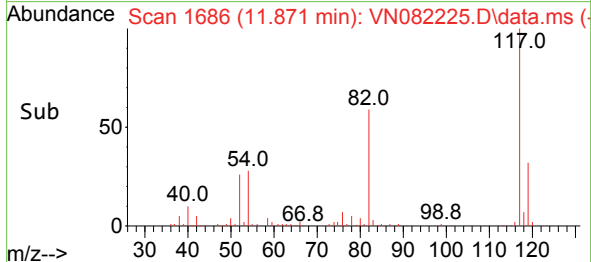
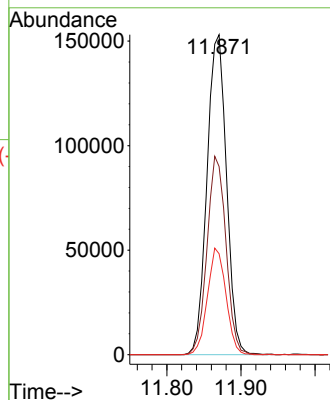
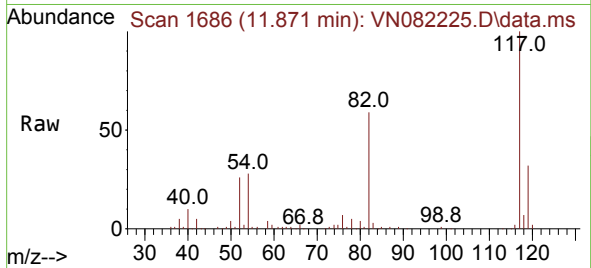




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1171  
Delta R.T. 0.006 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

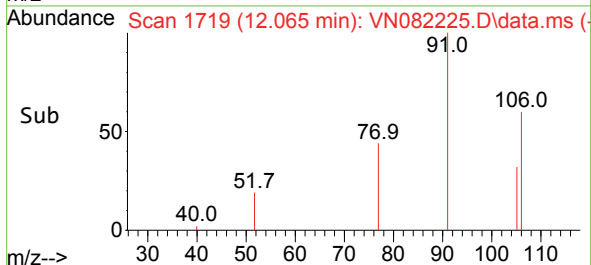
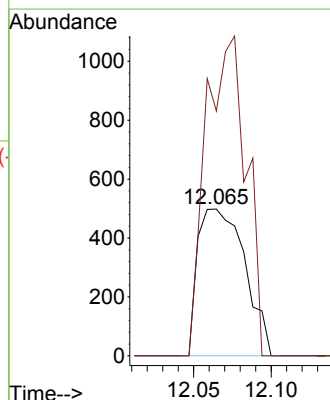
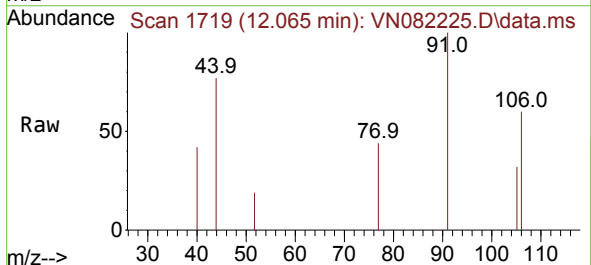
Instrument :  
MSVOA\_N  
ClientSampleId :  
449

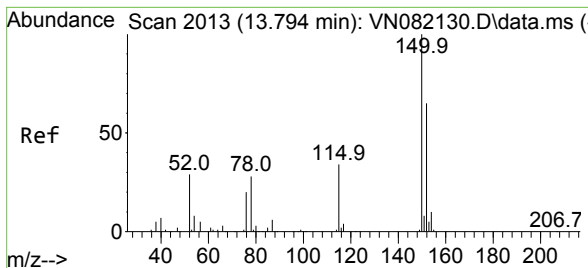
Tgt Ion:117 Resp: 279240  
Ion Ratio Lower Upper  
117 100  
82 58.8 44.6 66.8  
119 31.6 25.9 38.9



#68  
m/p-Xylenes  
Concen: 0.260 ug/l  
RT: 12.065 min Scan# 1719  
Delta R.T. -0.006 min  
Lab File: VN082225.D  
Acq: 20 May 2024 21:24

Tgt Ion:106 Resp: 1050  
Ion Ratio Lower Upper  
106 100  
91 187.1 159.4 239.0

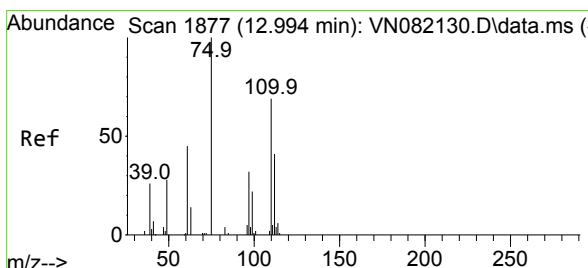
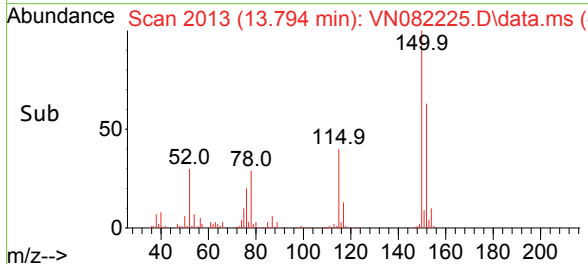
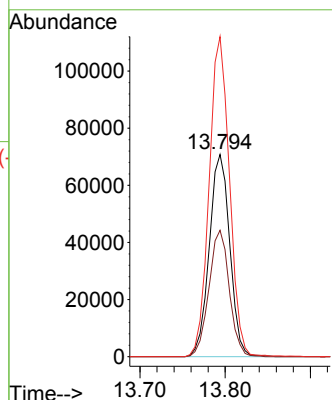
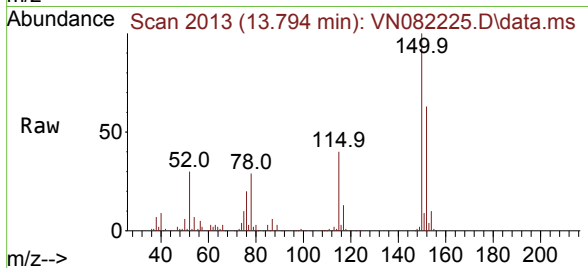




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 2013  
 Delta R.T. -0.000 min  
 Lab File: VN082225.D  
 Acq: 20 May 2024 21:24

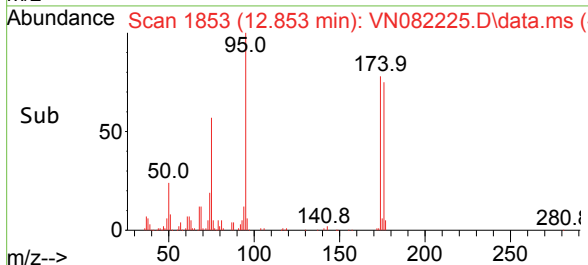
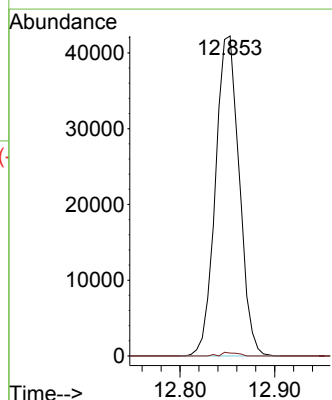
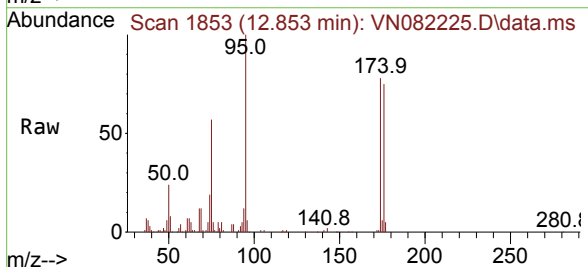
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 449

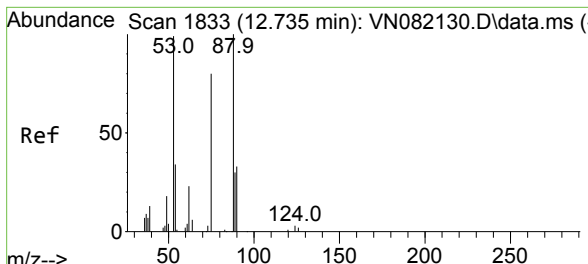
Tgt Ion:152 Resp: 118315  
 Ion Ratio Lower Upper  
 152 100  
 115 62.0 30.4 91.3  
 150 156.9 0.0 353.2



#76  
 1,2,3-Trichloropropane  
 Concen: 29.628 ug/l  
 RT: 12.853 min Scan# 1853  
 Delta R.T. -0.141 min  
 Lab File: VN082225.D  
 Acq: 20 May 2024 21:24

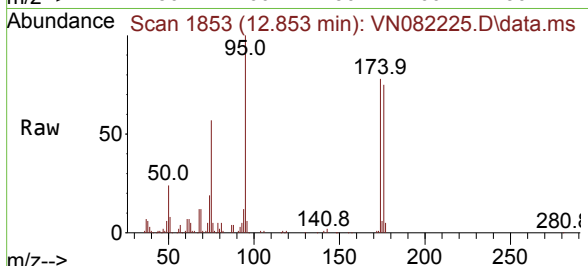
Tgt Ion: 75 Resp: 73781  
 Ion Ratio Lower Upper  
 75 100  
 77 0.8 90.5 271.3#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.299 ug/l  
 RT: 12.853 min Scan# 11  
 Delta R.T. 0.118 min  
 Lab File: VN082225.D  
 Acq: 20 May 2024 21:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 449



Tgt Ion: 75 Resp: 73781  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.9 109.3#  
 89 0.0 39.1 58.7#

