

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
 Data File : VN083274.D  
 Acq On : 14 Aug 2024 03:22  
 Operator : JC\MD  
 Sample : VN0813WBL02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 14 04:44:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 03:26:08 2024  
 Response via : Initial Calibration

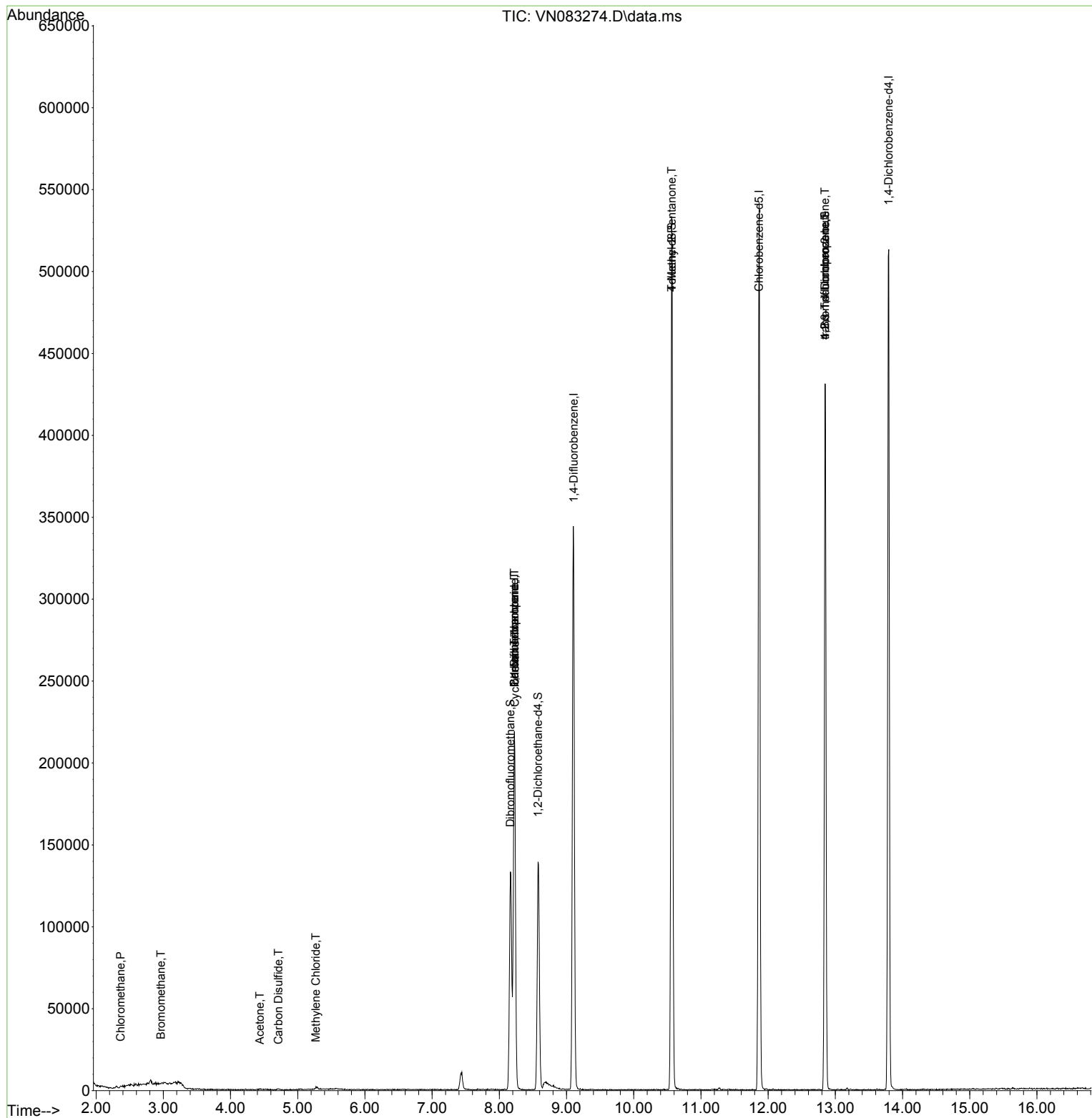
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.224          | 168  | 150257              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 292620              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 300089              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 135334              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 120249              | 56.224    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 112.440% |           |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 95831               | 52.468    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 104.940% |           |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 365836              | 53.695    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 107.400% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 152632              | 57.463    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 64 - 133 |      | Recovery = 114.920% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      | Qvalue              |           |        |          |
| 3) Chloromethane              | 2.365          | 50   | 351                 | 0.201     | ug/l # | 43       |
| 5) Bromomethane               | 2.965          | 94   | 397                 | 0.359     | ug/l # | 1        |
| 16) Acetone                   | 4.436          | 43   | 489                 | 0.584     | ug/l # | 48       |
| 17) Carbon Disulfide          | 4.712          | 76   | 1407                | 0.289     | ug/l # | 75       |
| 20) Methylene Chloride        | 5.271          | 84   | 577                 | 0.300     | ug/l # | 81       |
| 31) Cyclohexane               | 8.230          | 56   | 3867                | 1.220     | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 8.224          | 75   | 13893               | 5.028     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 8.224          | 117  | 17036               | 5.474     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.683          | 43   | 3676                | Below Cal | #      | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.565         | 43   | 1892                | 0.647     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 83756               | 28.198    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 83756               | 61.338    | ug/l # | 6        |
| -----                         |                |      |                     |           |        |          |

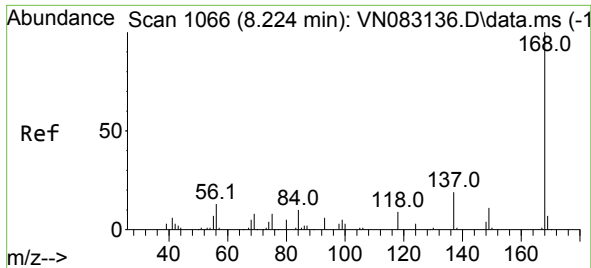
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081324\  
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Sample : VN0813WBL02  
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ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Aug 14 04:44:56 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 14 03:26:08 2024  
Response via : Initial Calibration

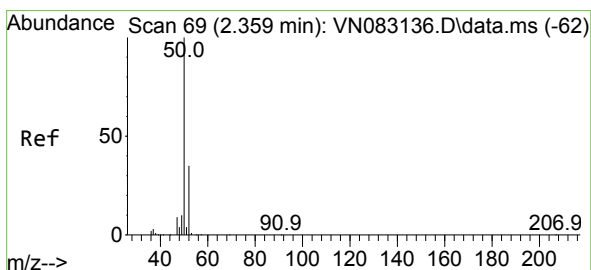
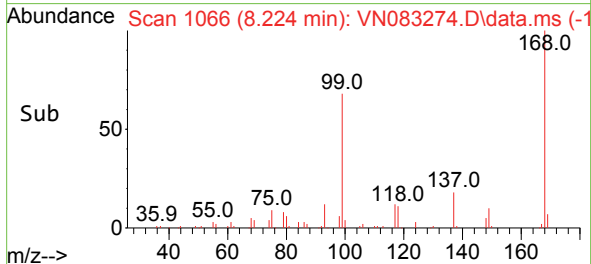
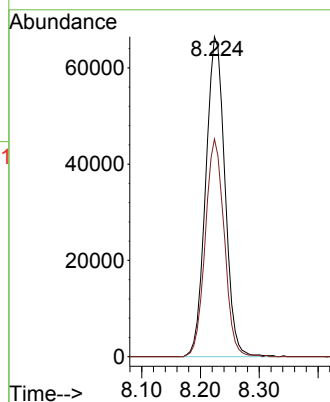
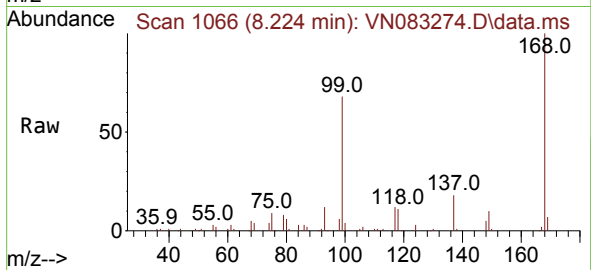




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

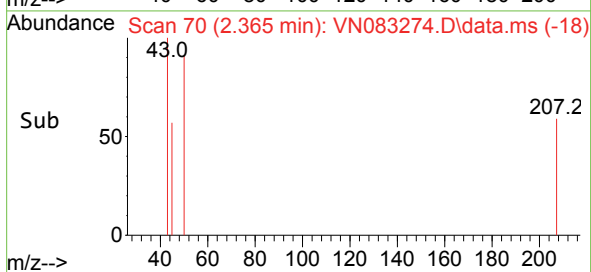
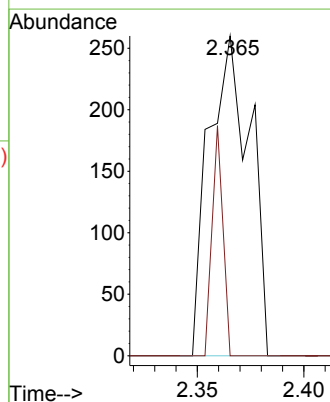
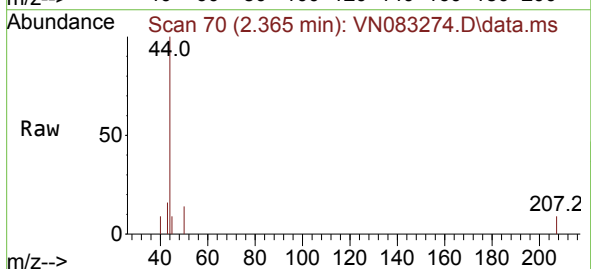
Instrument :  
MSVOA\_N  
ClientSampleId :

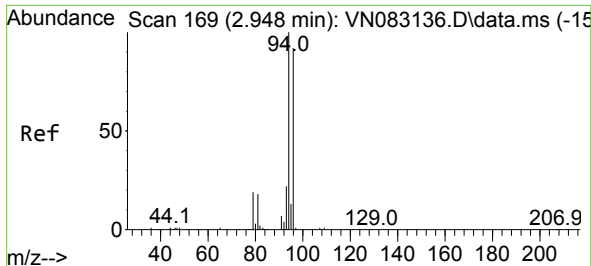
Tgt Ion:168 Resp: 150257  
Ion Ratio Lower Upper  
168 100  
99 68.1 48.2 72.4



#3  
Chloromethane  
Concen: 0.201 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Tgt Ion: 50 Resp: 351  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.0 37.4#

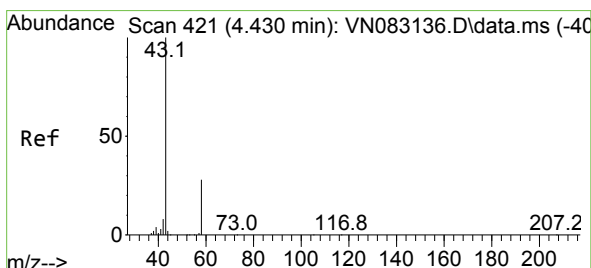
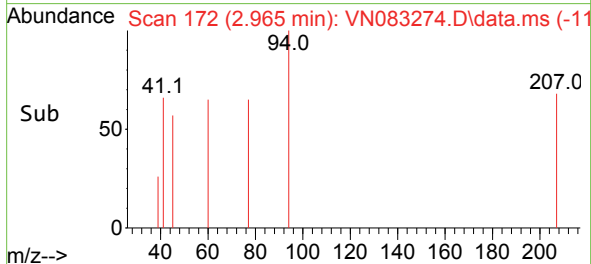
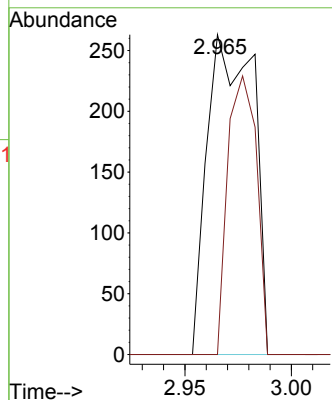
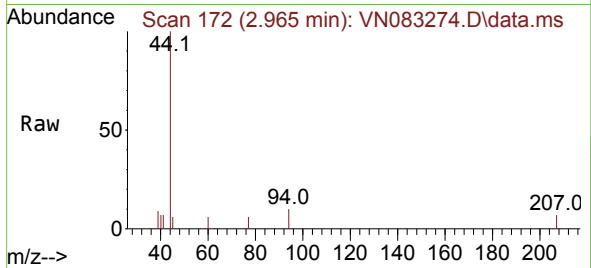




#5  
Bromomethane  
Concen: 0.359 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

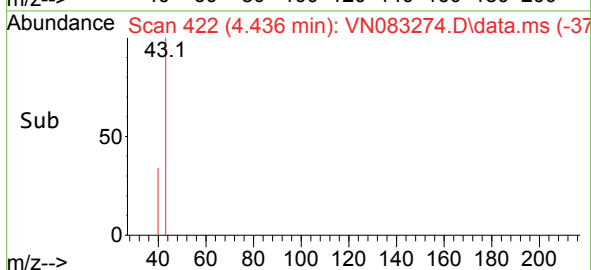
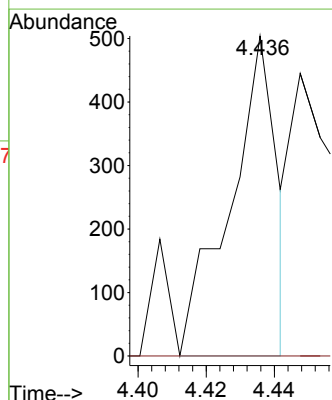
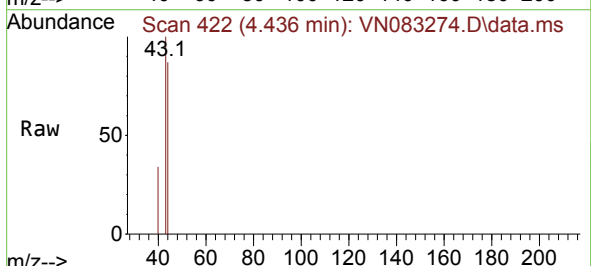
Instrument :  
MSVOA\_N  
ClientSampleId :

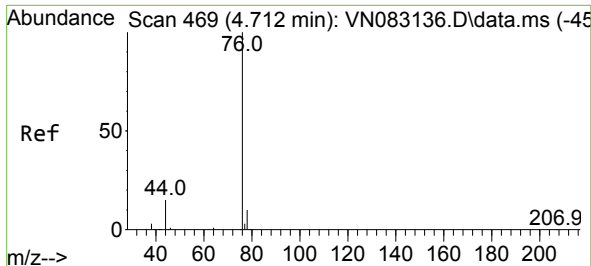
Tgt Ion: 94 Resp: 397  
Ion Ratio Lower Upper  
94 100  
96 0.0 78.0 117.0#



#16  
Acetone  
Concen: 0.584 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Tgt Ion: 43 Resp: 489  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#

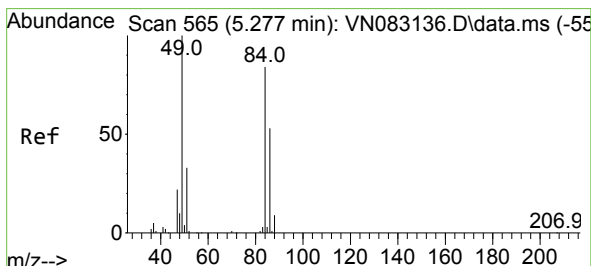
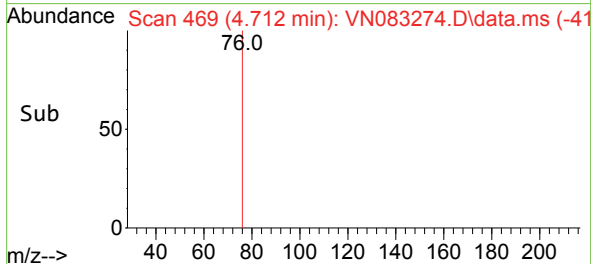
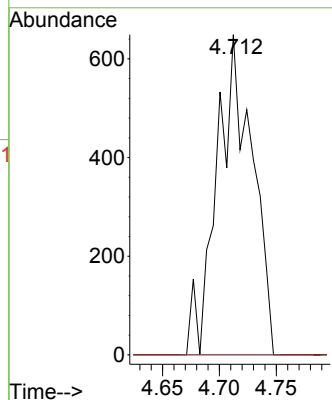
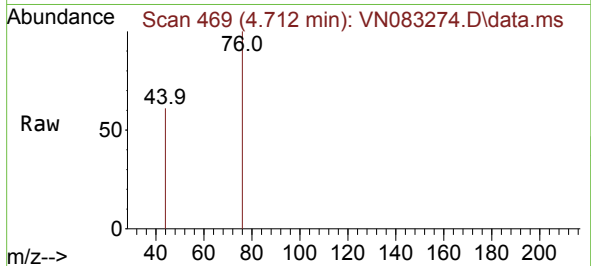




#17  
Carbon Disulfide  
Concen: 0.289 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

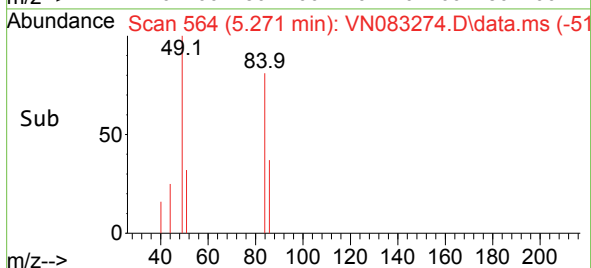
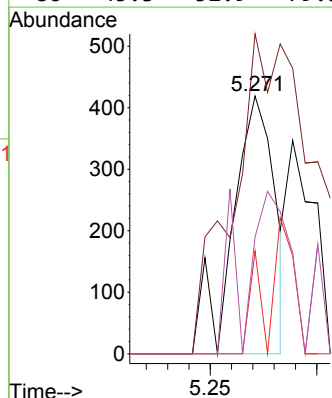
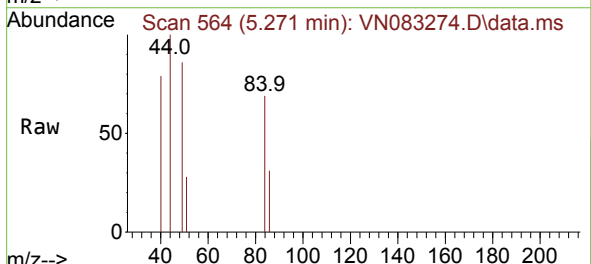
Instrument :  
MSVOA\_N  
ClientSampleId :

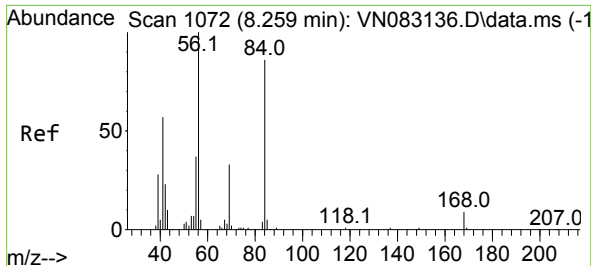
Tgt Ion: 76 Resp: 1407  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#



#20  
Methylene Chloride  
Concen: 0.300 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.006 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

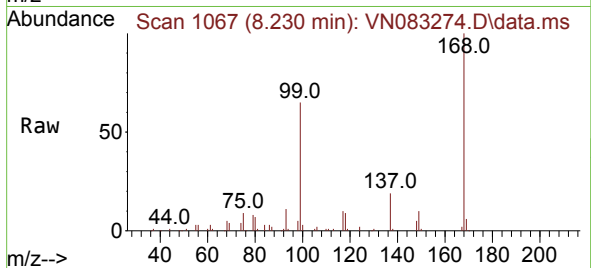
Tgt Ion: 84 Resp: 577  
Ion Ratio Lower Upper  
84 100  
49 124.1 119.6 179.4  
51 39.9 34.8 52.2  
86 45.3 52.9 79.3#



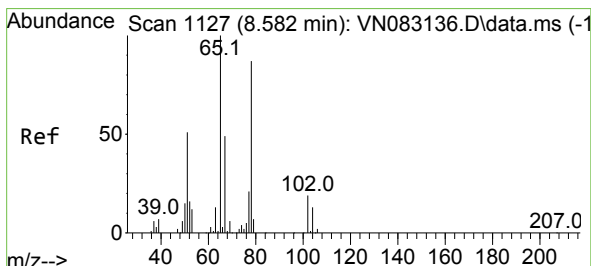
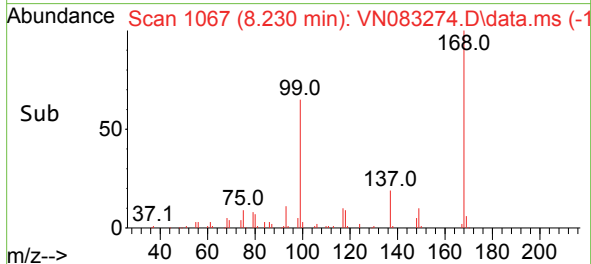
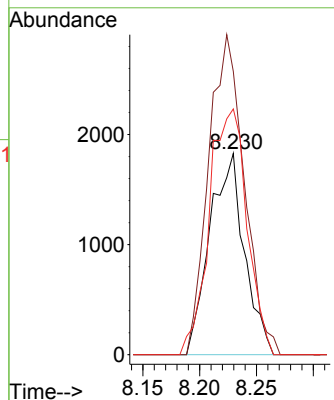


#31  
Cyclohexane  
Concen: 1.220 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. -0.029 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Instrument :  
MSVOA\_N  
ClientSampleId :

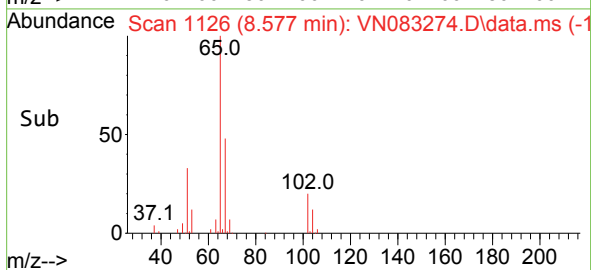
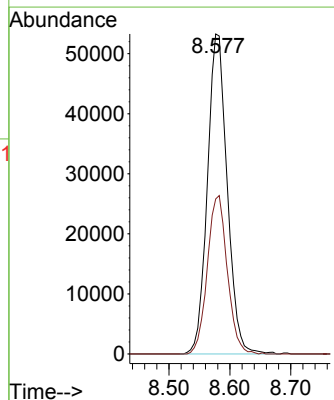
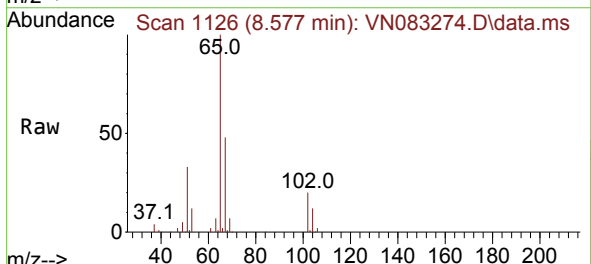


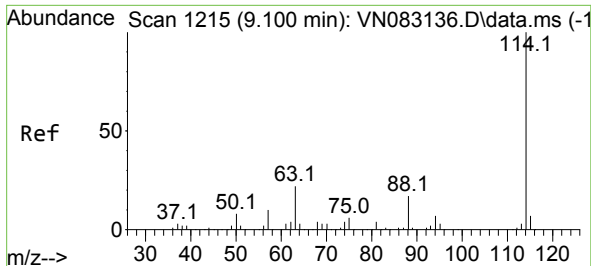
Tgt Ion: 56 Resp: 3867  
Ion Ratio Lower Upper  
56 100  
69 140.8 24.5 36.7#  
84 122.1 66.0 99.0#



#33  
1,2-Dichloroethane-d4  
Concen: 56.224 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Tgt Ion: 65 Resp: 120249  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

Instrument :

MSVOA\_N

ClientSampleId :

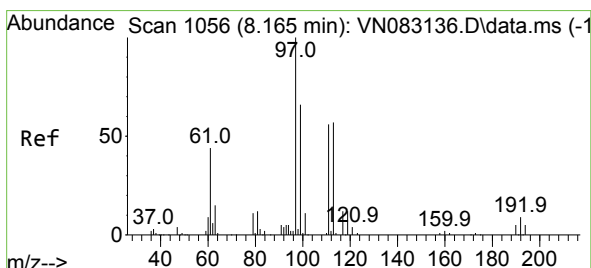
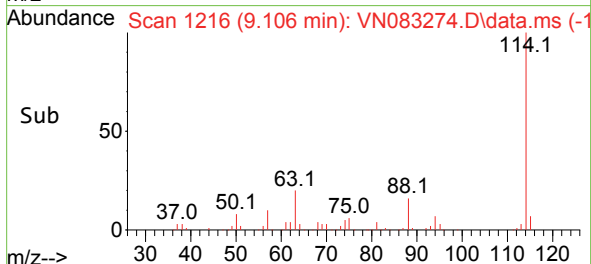
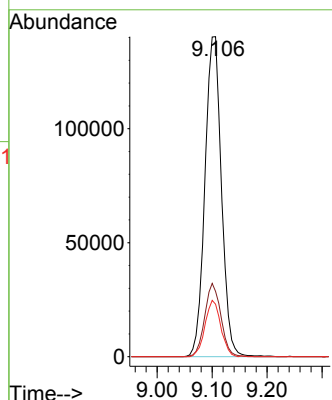
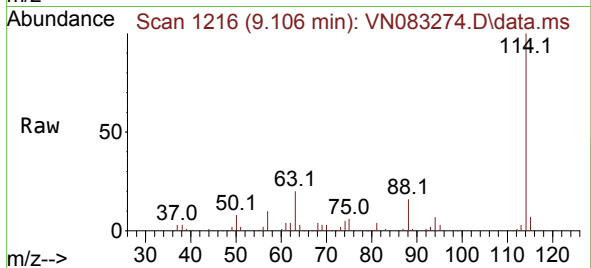
Tgt Ion:114 Resp: 292620

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.6

88 16.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.468 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

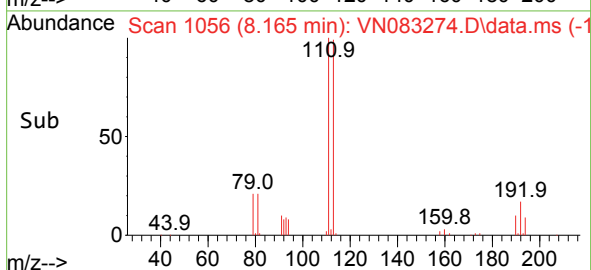
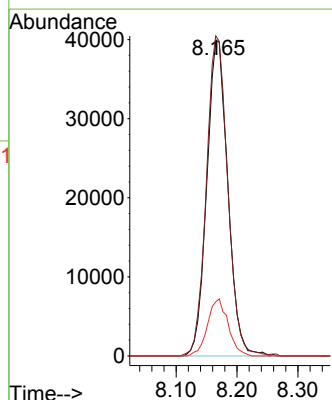
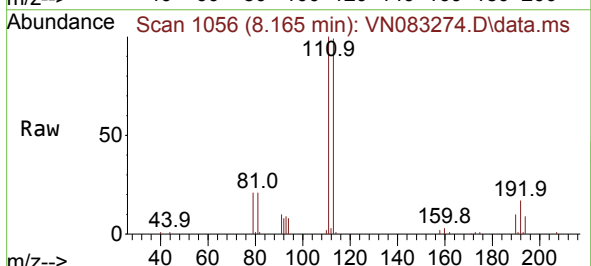
Tgt Ion:113 Resp: 95831

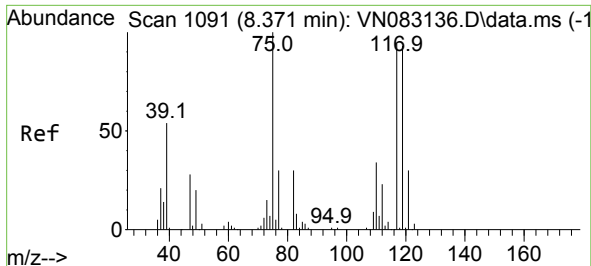
Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 17.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.028 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

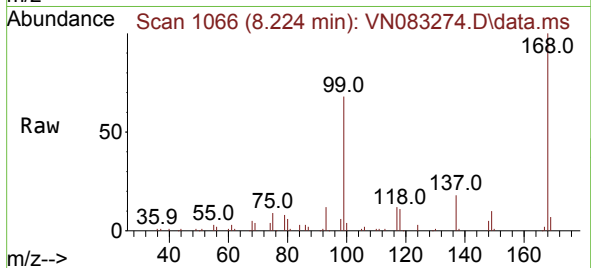
Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

Instrument :

MSVOA\_N

ClientSampleId :



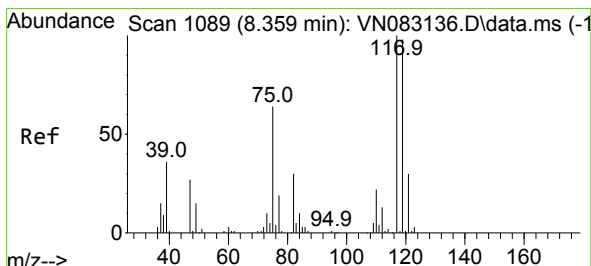
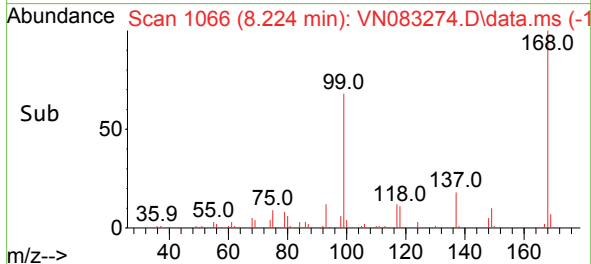
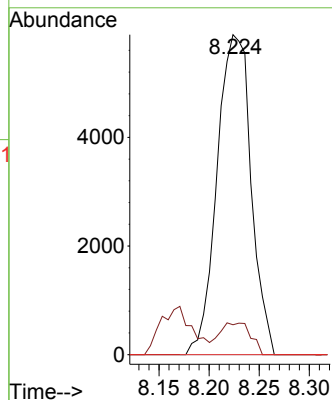
Tgt Ion: 75 Resp: 13893

Ion Ratio Lower Upper

75 100

110 9.2 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.474 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

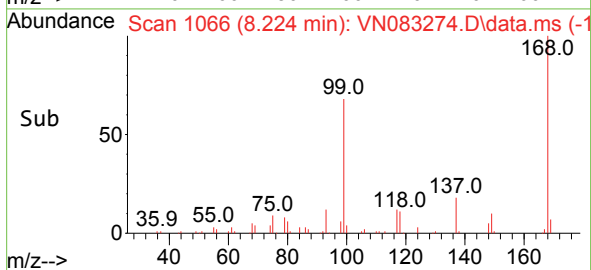
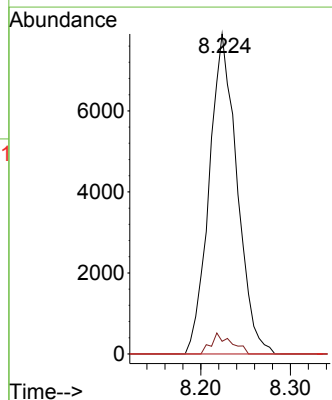
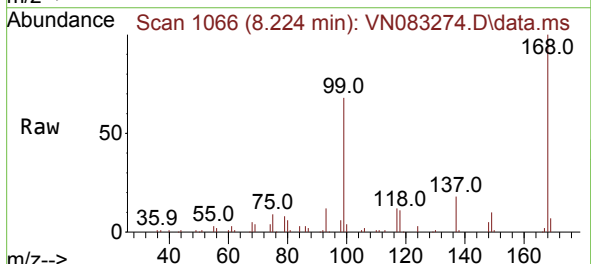
Tgt Ion: 117 Resp: 17036

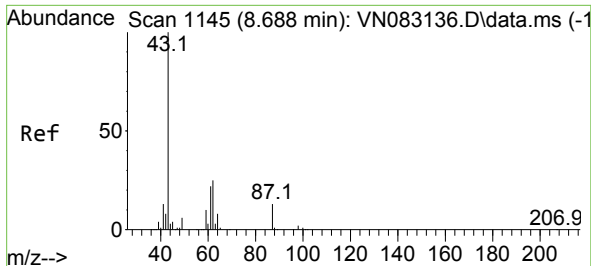
Ion Ratio Lower Upper

117 100

119 3.9 74.9 112.3#

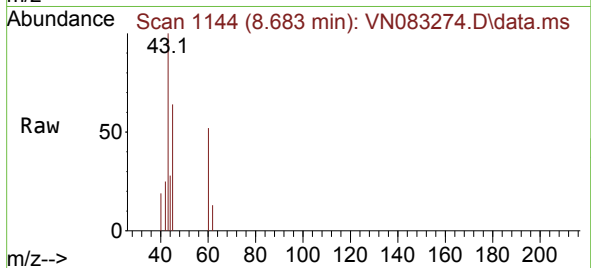
121 0.0 24.3 36.5#



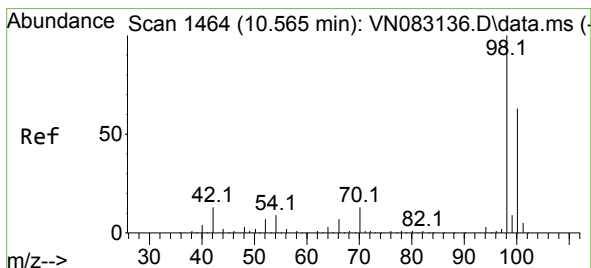
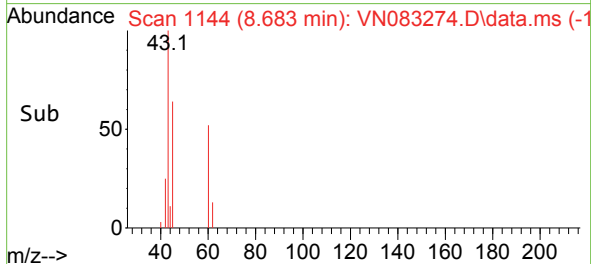
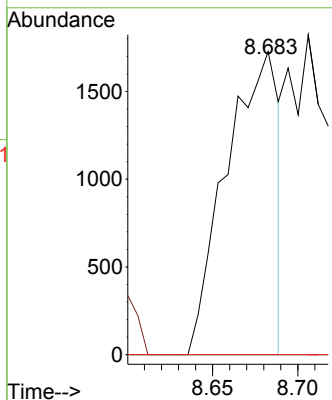


#43  
Isopropyl Acetate  
Concen: Below Cal  
RT: 8.683 min Scan# 1145  
Delta R.T. -0.005 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Instrument :  
MSVOA\_N  
ClientSampleId :

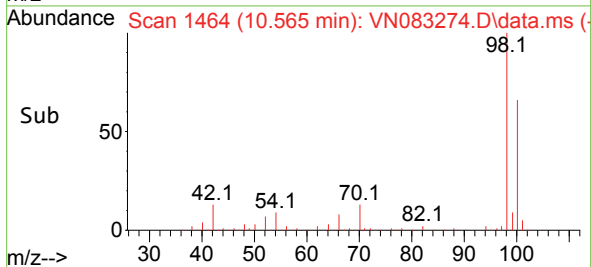
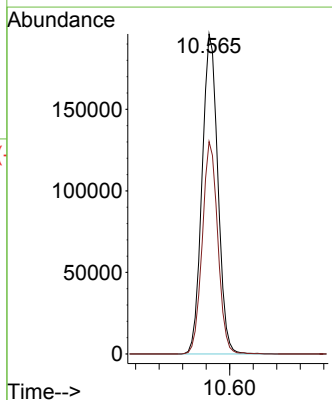
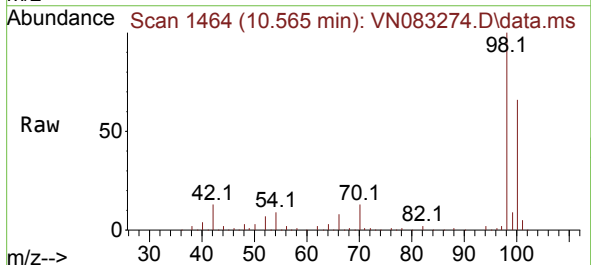


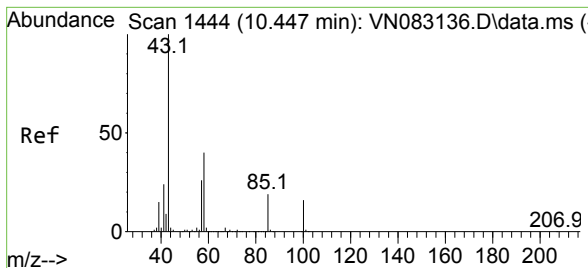
Tgt Ion: 43 Resp: 3676  
Ion Ratio Lower Upper  
43 100  
61 0.0 17.8 26.6#  
87 0.0 8.2 12.2#



#50  
Toluene-d8  
Concen: 53.695 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

Tgt Ion: 98 Resp: 365836  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.5 77.3

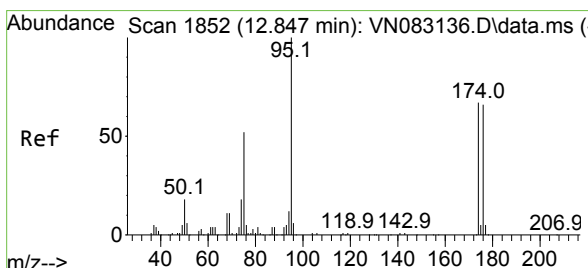
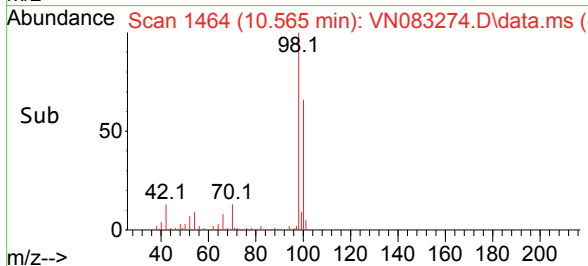
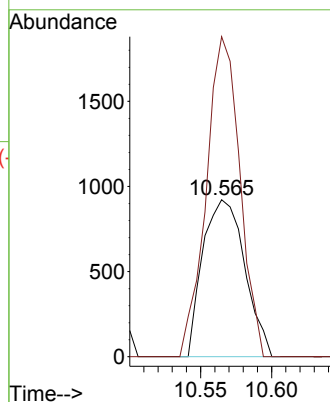
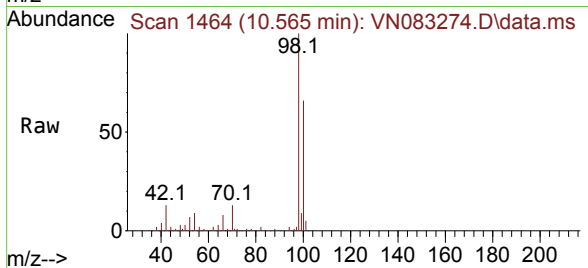




#51  
4-Methyl-2-Pentanone  
Concen: 0.647 ug/l  
RT: 10.565 min Scan# 1444  
Delta R.T. 0.118 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

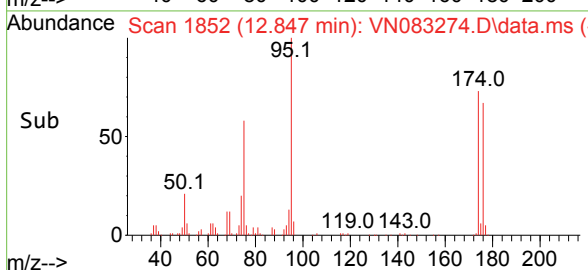
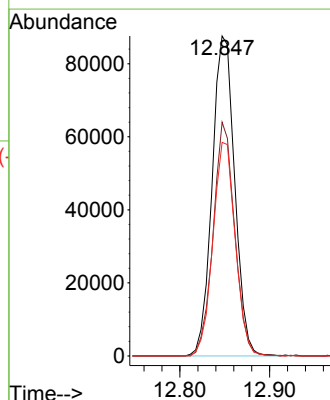
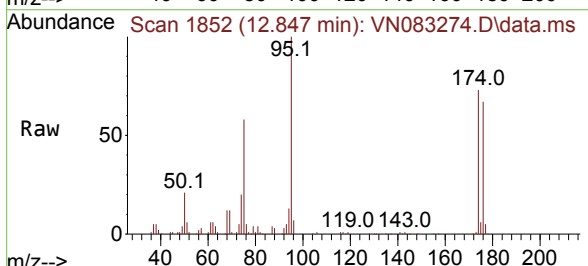
Instrument :  
MSVOA\_N  
ClientSampleId :

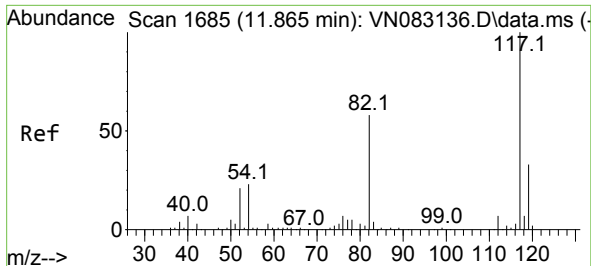
Tgt Ion: 43 Resp: 1892  
Ion Ratio Lower Upper  
43 100  
58 163.7 28.2 42.4#



#62  
4-Bromofluorobenzene  
Concen: 57.463 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

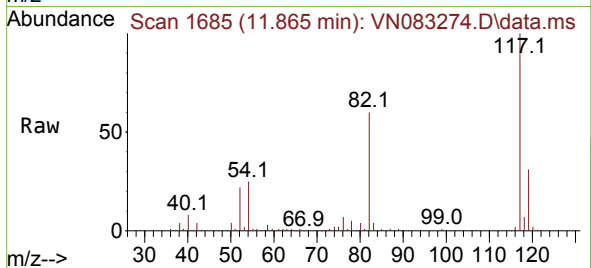
Tgt Ion: 95 Resp: 152632  
Ion Ratio Lower Upper  
95 100  
174 69.6 0.0 159.2  
176 66.3 0.0 147.6



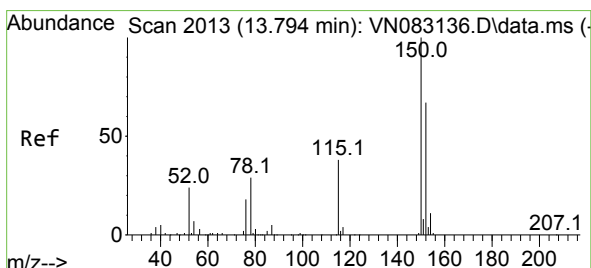
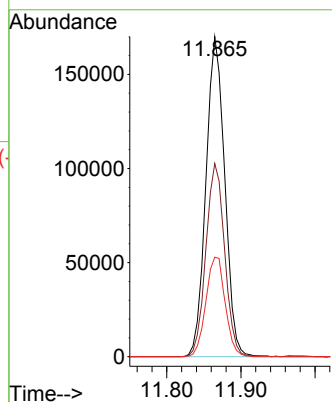
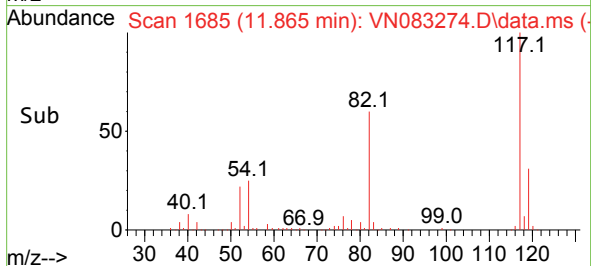


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22

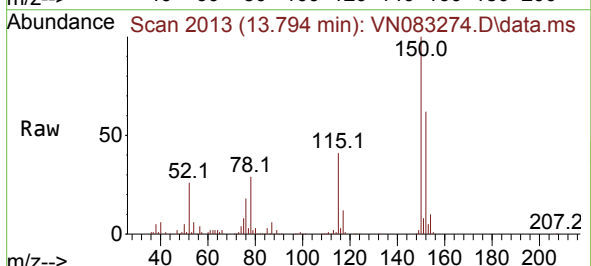
Instrument :  
MSVOA\_N  
ClientSampleId :



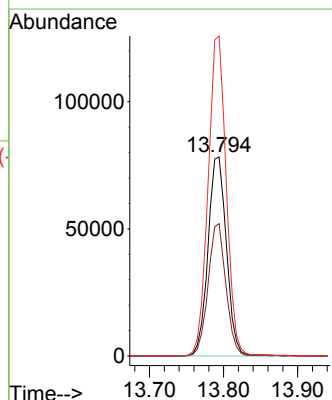
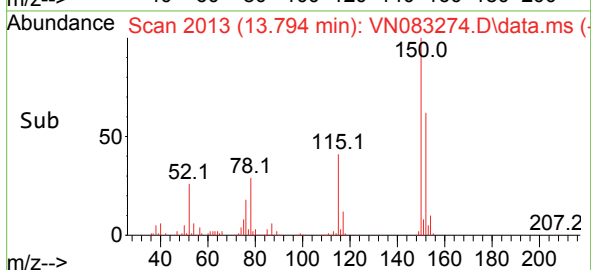
Tgt Ion:117 Resp: 300089  
Ion Ratio Lower Upper  
117 100  
82 60.3 47.5 71.3  
119 31.1 25.6 38.4

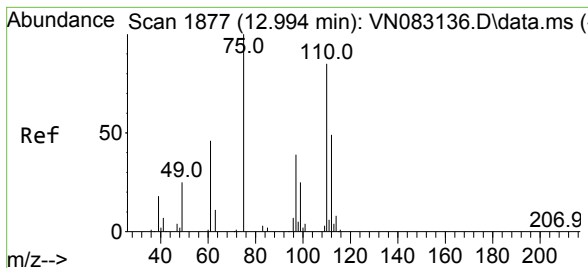


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN083274.D  
Acq: 14 Aug 2024 03:22



Tgt Ion:152 Resp: 135334  
Ion Ratio Lower Upper  
152 100  
115 64.2 30.6 91.6  
150 158.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 28.198 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

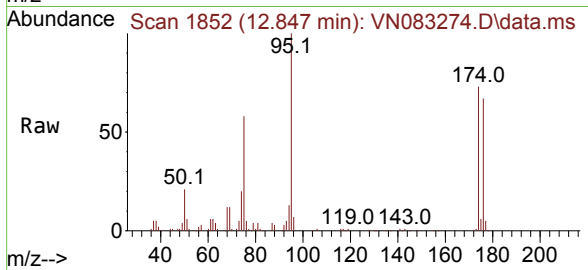
Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

Instrument :

MSVOA\_N

ClientSampleId :

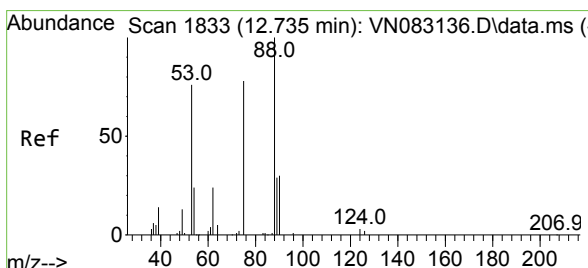
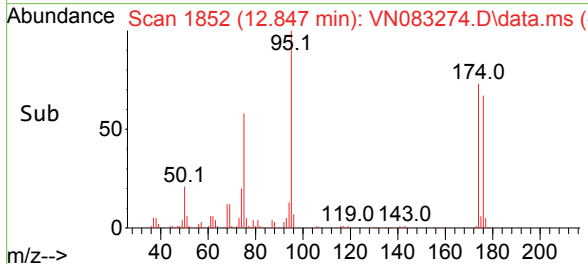
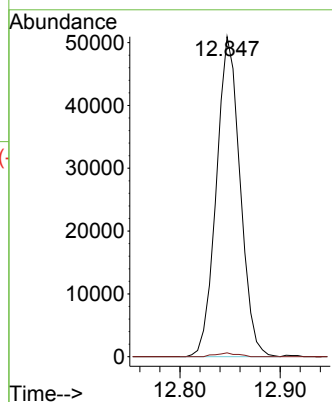


Tgt Ion: 75 Resp: 83756

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.338 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083274.D

Acq: 14 Aug 2024 03:22

Tgt Ion: 75 Resp: 83756

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

