

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012623\  
 Data File : VN076425.D  
 Acq On : 26 Jan 2023 17:13  
 Operator : JC\MD  
 Sample : 01289-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VNJ209-STOCK

Quant Time: Jan 27 00:39:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

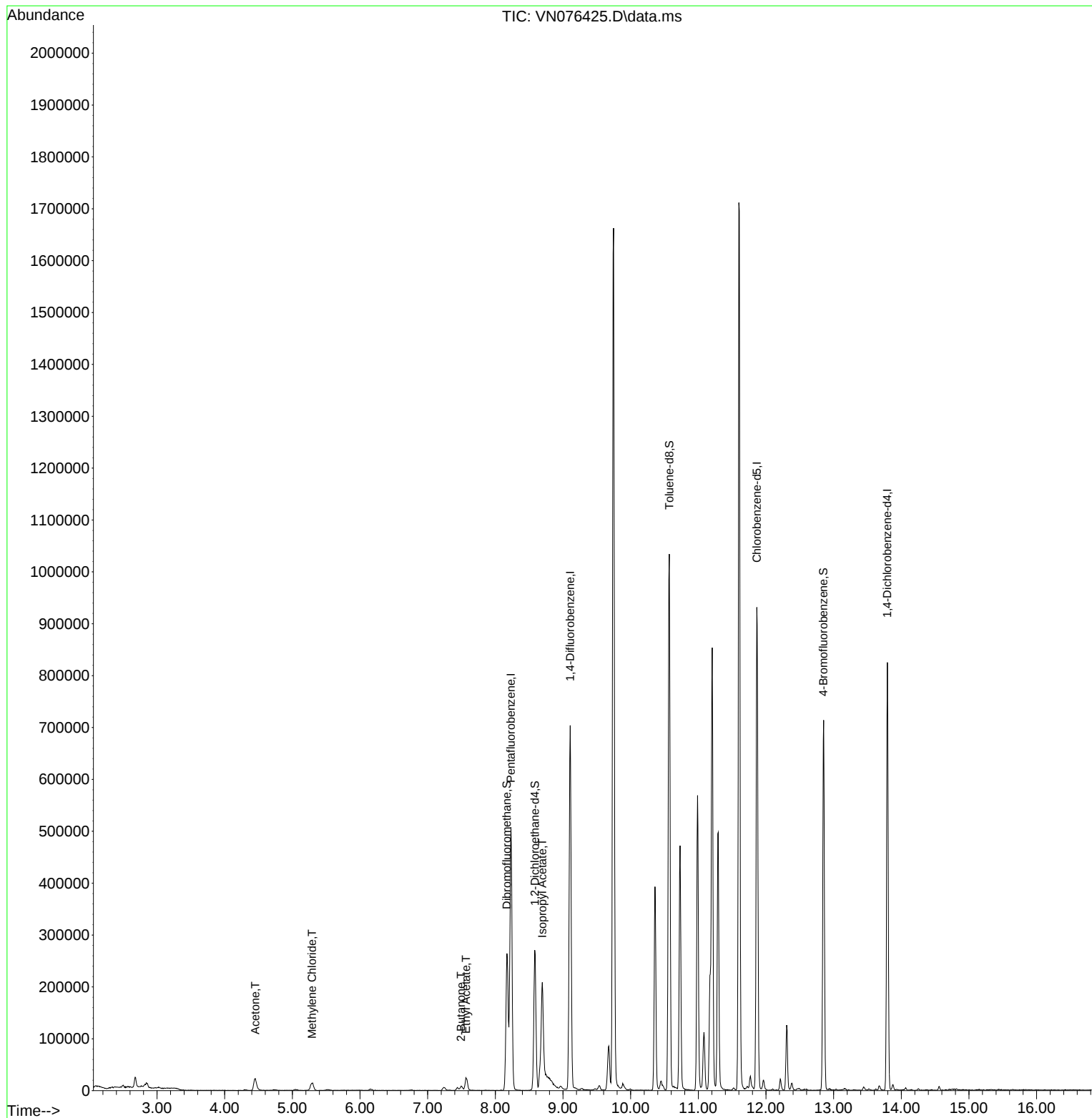
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.230     | 168   | 374063   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106     | 114   | 620822   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.865    | 117   | 556121   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794    | 152   | 222924   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.582     | 65    | 225050   | 53.733   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 74 - 125 | Recovery | = 107.460% |          |
| 35) Dibromofluoromethane    | 8.171     | 113   | 189471   | 48.789   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 97.580%  |          |
| 50) Toluene-d8              | 10.571    | 98    | 732777   | 51.092   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 86 - 113 | Recovery | = 102.180% |          |
| 62) 4-Bromofluorobenzene    | 12.847    | 95    | 233228   | 49.813   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 99.620%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.453     | 43    | 45160    | 33.571   | ug/l       | 98       |
| 20) Methylene Chloride      | 5.289     | 84    | 12590    | 2.598    | ug/l       | 94       |
| 25) 2-Butanone              | 7.494     | 43    | 12830    | 6.257    | ug/l       | 93       |
| 37) Ethyl Acetate           | 7.565     | 43    | 36823    | 8.350    | ug/l #     | 91       |
| 43) Isopropyl Acetate       | 8.694     | 43    | 270758   | 37.602   | ug/l #     | 77       |
| -----                       |           |       |          |          |            |          |

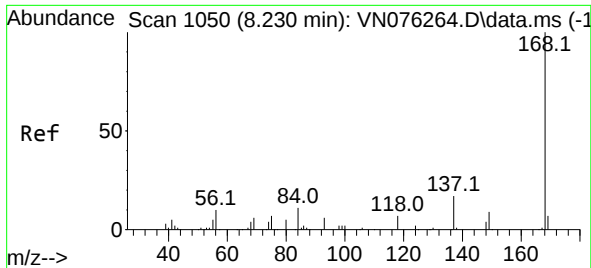
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

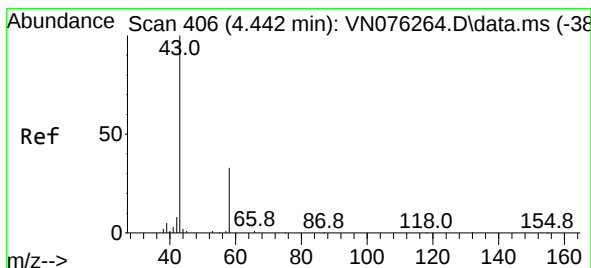
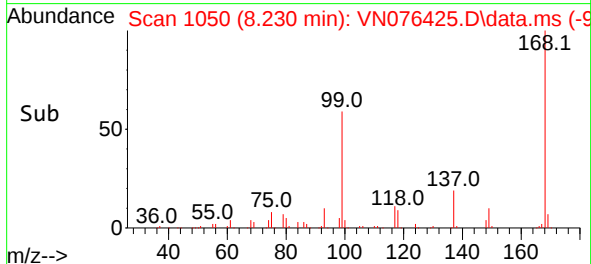
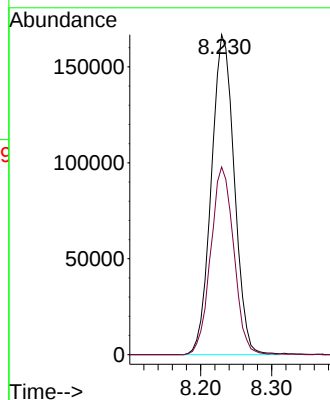
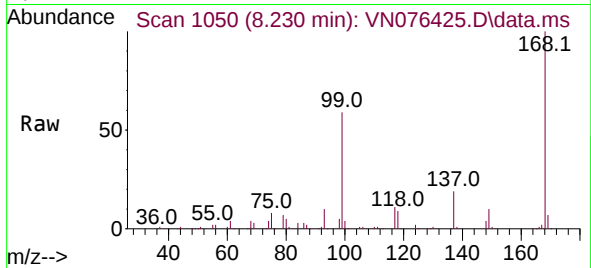




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

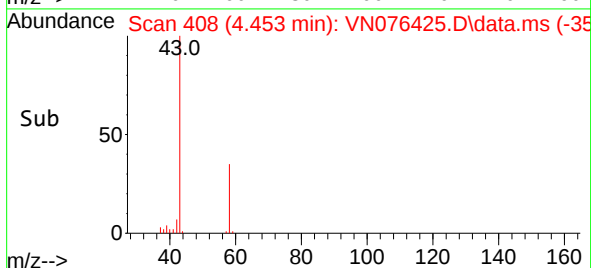
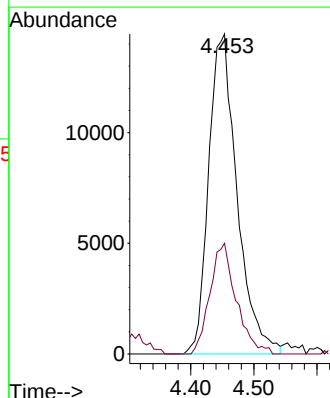
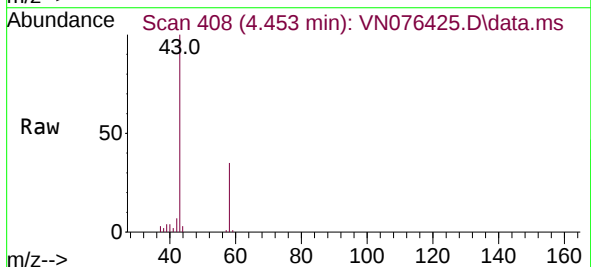
Instrument :  
MSVOA\_N  
ClientSampleId :  
VNJ209-STOCK

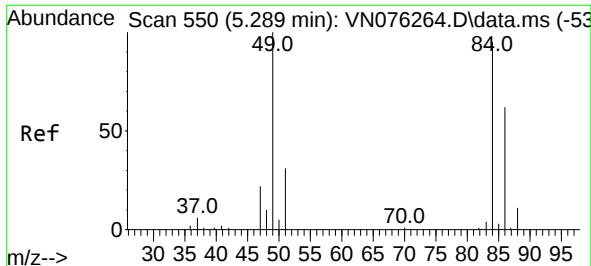
Tgt Ion:168 Resp: 374063  
Ion Ratio Lower Upper  
168 100  
99 58.6 41.6 62.4



#16  
Acetone  
Concen: 33.571 ug/l  
RT: 4.453 min Scan# 408  
Delta R.T. 0.011 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

Tgt Ion: 43 Resp: 45160  
Ion Ratio Lower Upper  
43 100  
58 34.6 26.7 40.1

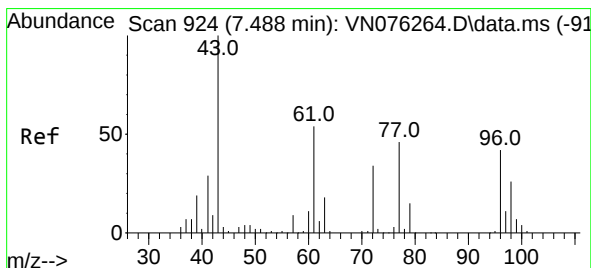
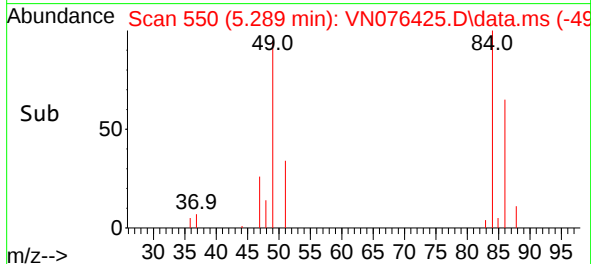
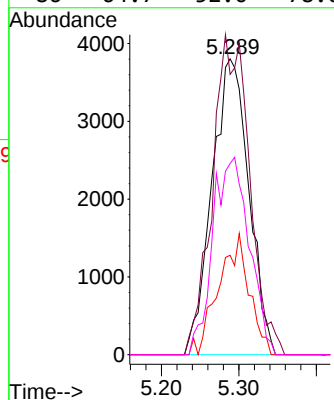
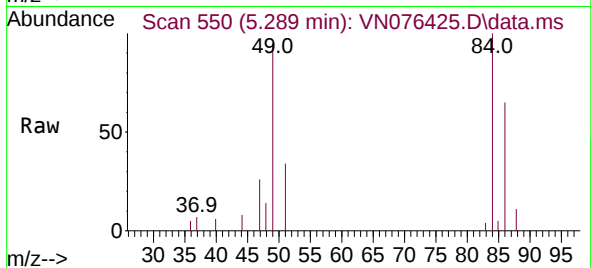




#20  
Methylene Chloride  
Concen: 2.598 ug/l  
RT: 5.289 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

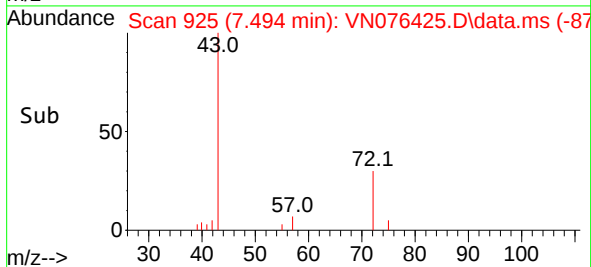
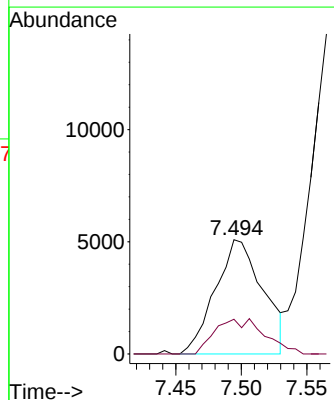
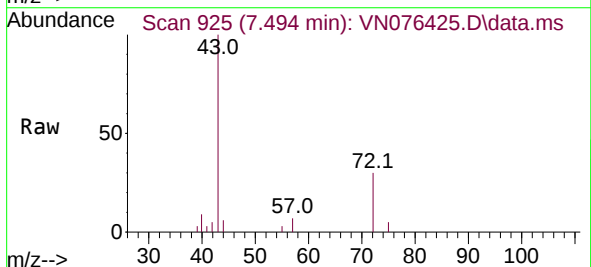
Instrument :  
MSVOA\_N  
ClientSampleId :  
VNJ209-STOCK

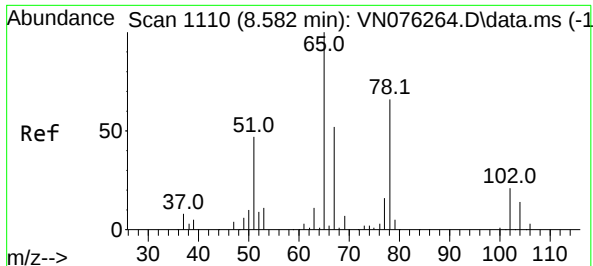
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12590 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 94.8  | 84.5  | 126.7 |
| 51       | 33.6  | 26.0  | 39.0  |
| 86       | 64.7  | 52.0  | 78.0  |



#25  
2-Butanone  
Concen: 6.257 ug/l  
RT: 7.494 min Scan# 925  
Delta R.T. 0.006 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 12830 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 30.5  | 27.4  | 41.2  |





#33

1,2-Dichloroethane-d4

Concen: 53.733 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

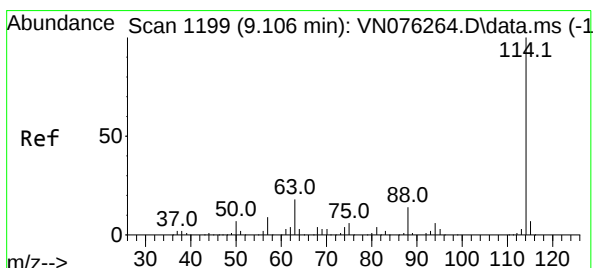
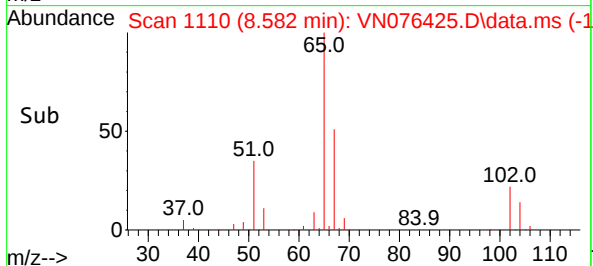
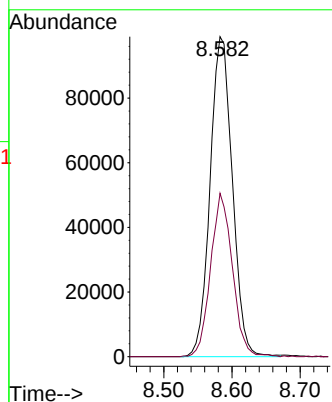
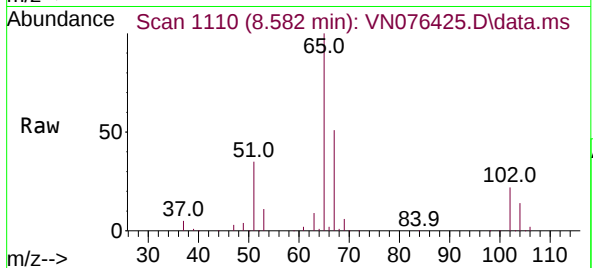
VNJ209-STOCK

Tgt Ion: 65 Resp: 225050

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

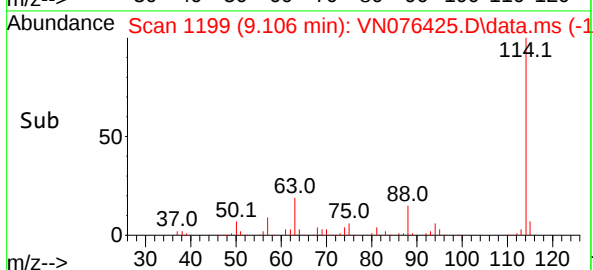
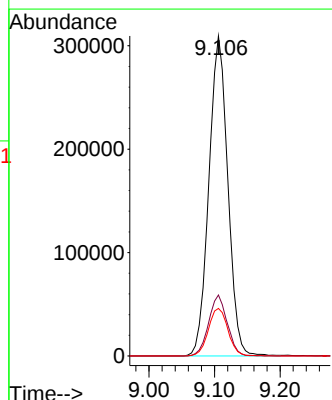
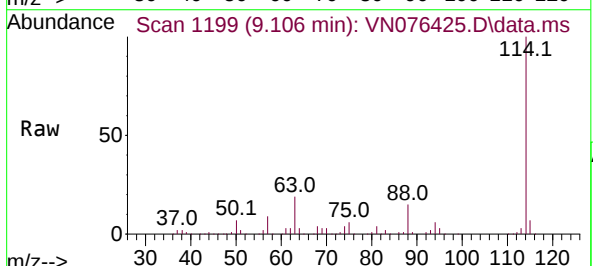
Tgt Ion: 114 Resp: 620822

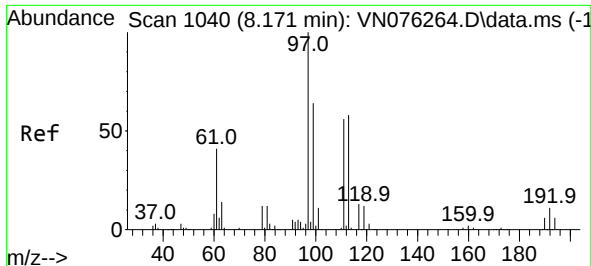
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.8

88 14.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.789 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076425.D

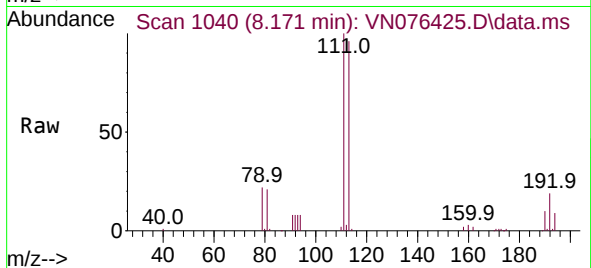
Acq: 26 Jan 2023 17:13

Instrument :

MSVOA\_N

ClientSampleId :

VNJ209-STOCK



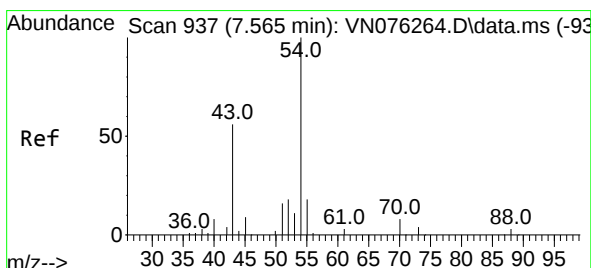
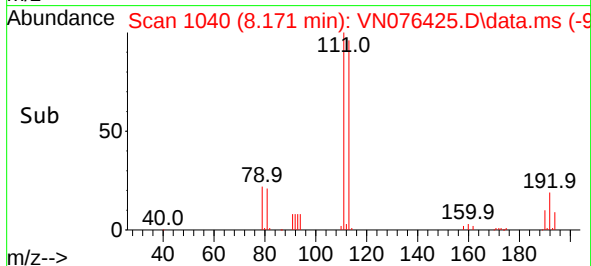
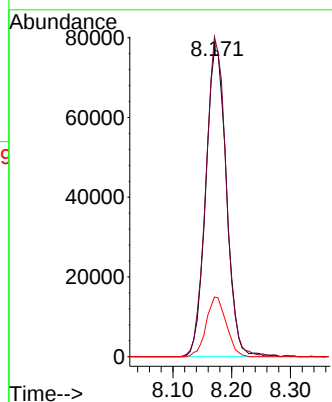
Tgt Ion:113 Resp: 189471

Ion Ratio Lower Upper

113 100

111 101.7 82.7 124.1

192 18.7 15.6 23.4



#37

Ethyl Acetate

Concen: 8.350 ug/l

RT: 7.565 min Scan# 937

Delta R.T. -0.000 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

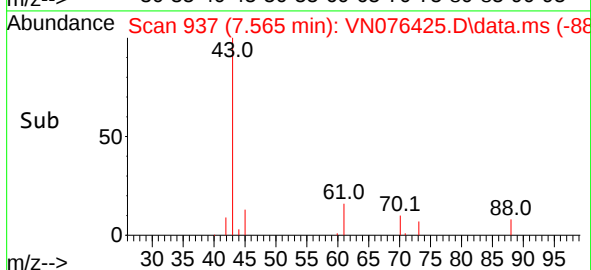
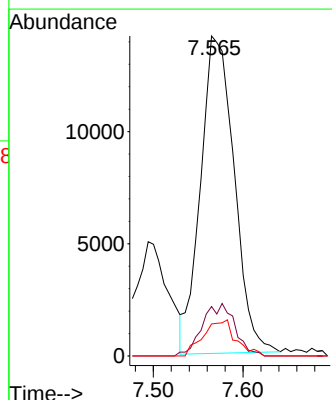
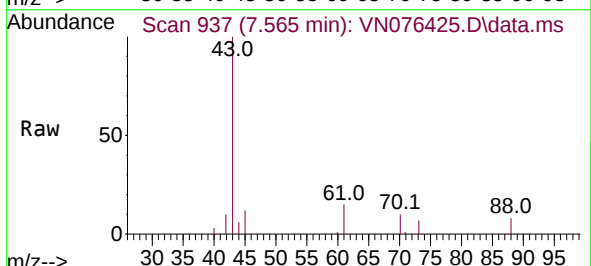
Tgt Ion: 43 Resp: 36823

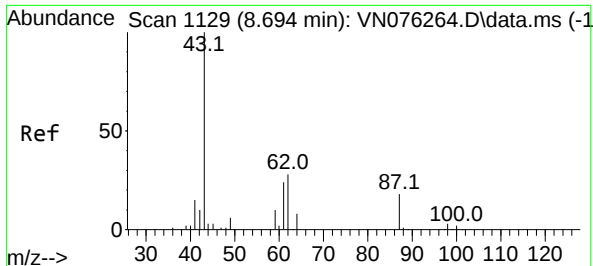
Ion Ratio Lower Upper

43 100

61 8.2 11.1 16.7#

70 10.9 10.0 15.0

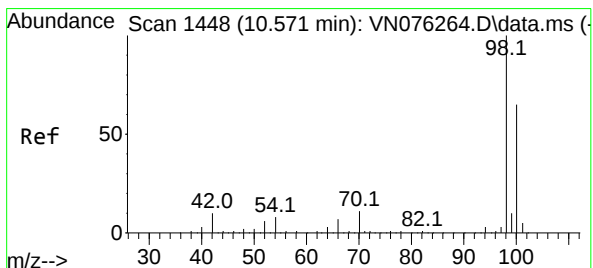
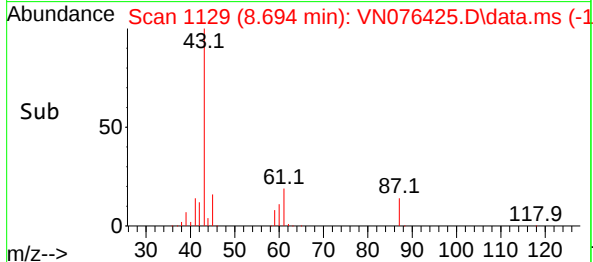
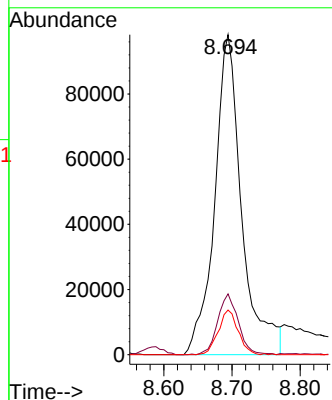
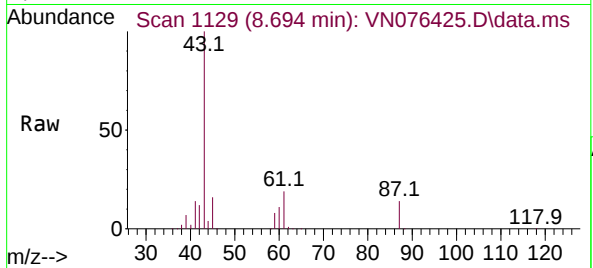




#43  
Isopropyl Acetate  
Concen: 37.602 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

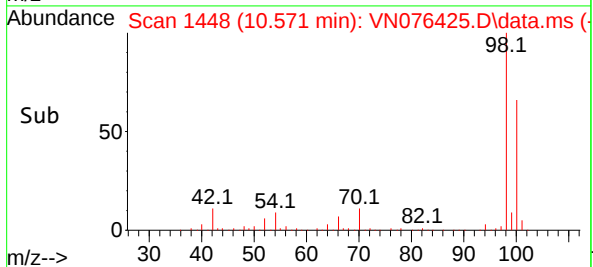
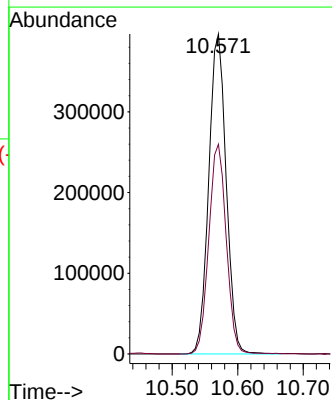
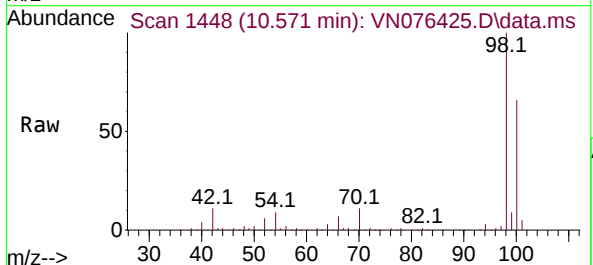
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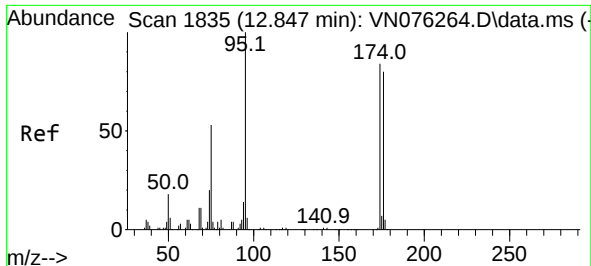
Tgt Ion: 43 Resp: 270758  
Ion Ratio Lower Upper  
43 100  
61 14.5 23.5 35.3#  
87 10.2 13.8 20.6#



#50  
Toluene-d8  
Concen: 51.092 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

Tgt Ion: 98 Resp: 732777  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.2 78.4

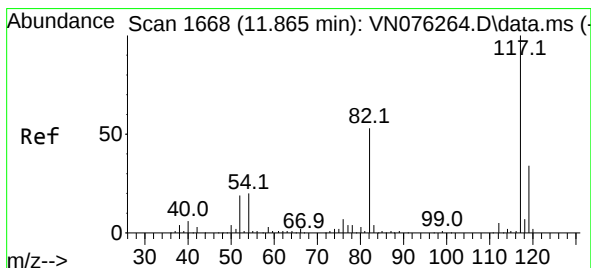
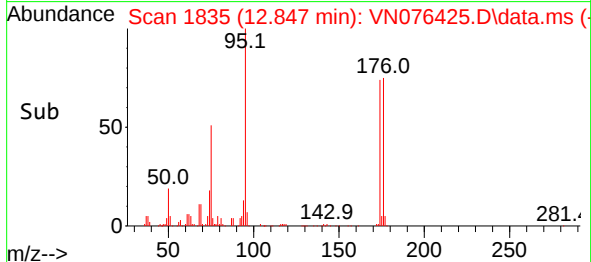
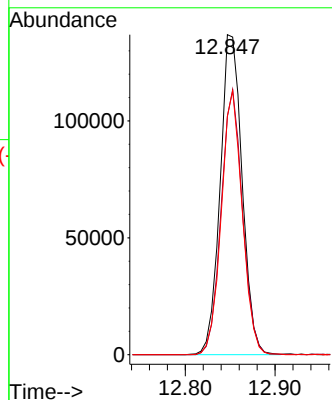
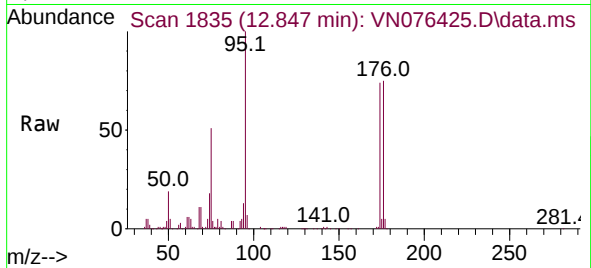




#62  
4-Bromofluorobenzene  
Concen: 49.813 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

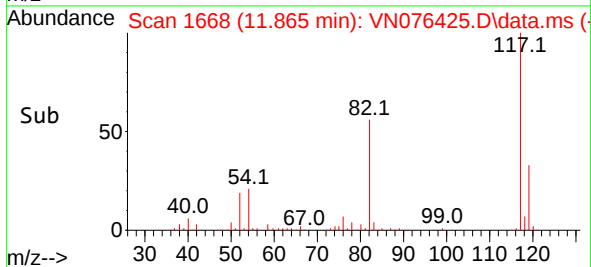
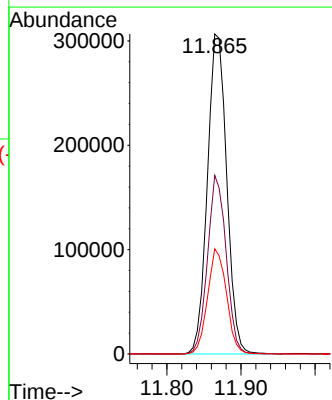
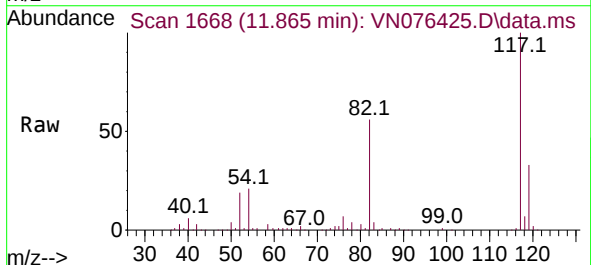
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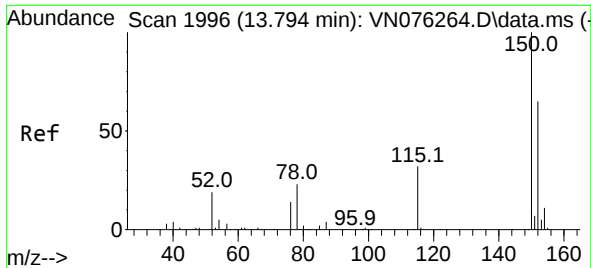
Tgt Ion: 95 Resp: 233228  
Ion Ratio Lower Upper  
95 100  
174 80.5 0.0 174.6  
176 78.5 0.0 167.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VN076425.D  
Acq: 26 Jan 2023 17:13

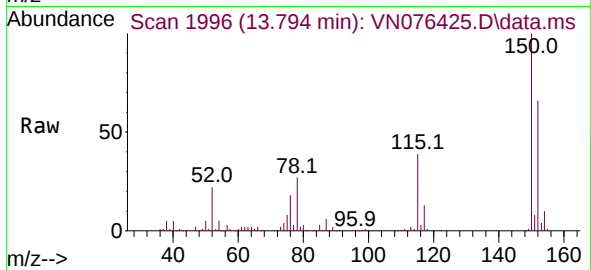
Tgt Ion: 117 Resp: 556121  
Ion Ratio Lower Upper  
117 100  
82 55.8 42.2 63.2  
119 32.8 26.9 40.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 1996  
 Delta R.T. -0.000 min  
 Lab File: VN076425.D  
 Acq: 26 Jan 2023 17:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VNJ209-STOCK



Tgt Ion:152 Resp: 222924  
 Ion Ratio Lower Upper  
 152 100  
 115 59.5 29.6 88.9  
 150 155.2 0.0 351.4

