

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020322\  
 Data File : VN070928.D  
 Acq On : 3 Feb 2022 14:25  
 Operator : JC/MD  
 Sample : N1381-03  
 Misc : 6.35g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 04 04:42:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N020222W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 02 15:30:39 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.080  | 168  | 921310   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.965  | 114  | 1472108  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.747 | 117  | 1355383  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.675 | 152  | 601711   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.432  | 65    | 585763   | 46.971   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 93.940%  |
| 35) Dibromofluoromethane    | 8.019  | 113   | 415981   | 47.170   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 94.340%  |
| 50) Toluene-d8              | 10.440 | 98    | 1849725  | 51.085   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 102.160% |
| 62) 4-Bromofluorobenzene    | 12.731 | 95    | 659433   | 50.544   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 101.080% |

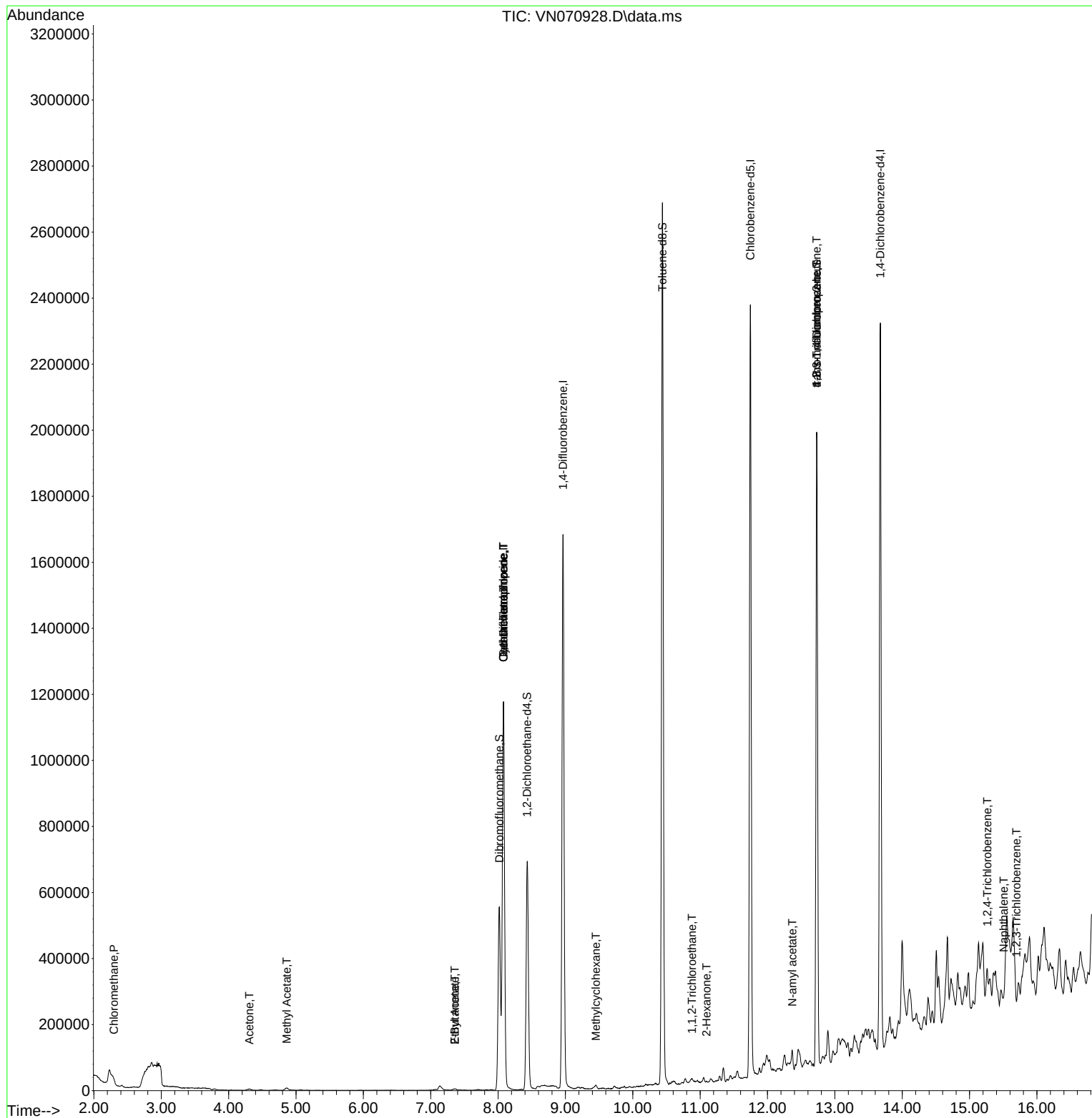
|                               |        |     |        |        |        |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| Target Compounds              |        |     | Qvalue |        |        |    |
| 3) Chloromethane              | 2.295  | 50  | 2623   | 0.203  | ug/l # | 72 |
| 16) Acetone                   | 4.309  | 43  | 3995   | 0.536  | ug/l   | 98 |
| 18) Methyl Acetate            | 4.862  | 43  | 16572  | 0.509  | ug/l # | 80 |
| 25) 2-Butanone                | 7.356  | 43  | 9076   | 0.843  | ug/l   | 91 |
| 31) Cyclohexane               | 8.078  | 56  | 21265  | 1.004  | ug/l # | 9  |
| 36) 1,1-Dichloropropene       | 8.080  | 75  | 73224  | 5.111  | ug/l # | 49 |
| 37) Ethyl Acetate             | 7.356  | 43  | 9076   | 0.460  | ug/l # | 68 |
| 38) Carbon Tetrachloride      | 8.078  | 117 | 90279  | 6.900  | ug/l # | 16 |
| 39) Methylcyclohexane         | 9.453  | 83  | 4391   | 0.249  | ug/l # | 85 |
| 55) 1,1,2-Trichloroethane     | 10.878 | 97  | 3341   | 0.315  | ug/l # | 19 |
| 59) 2-Hexanone                | 11.095 | 43  | 3041   | 0.213  | ug/l   | 84 |
| 74) N-amyl acetate            | 12.369 | 43  | 12770  | 0.543  | ug/l # | 69 |
| 76) 1,2,3-Trichloropropane    | 12.731 | 75  | 346117 | 23.898 | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.731 | 75  | 346117 | 64.779 | ug/l # | 5  |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180 | 4002   | 0.360  | ug/l # | 1  |
| 95) Naphthalene               | 15.507 | 128 | 13648  | 3.946  | ug/l # | 84 |
| 96) 1,2,3-Trichlorobenzene    | 15.697 | 180 | 1646   | 1.851  | ug/l # | 1  |

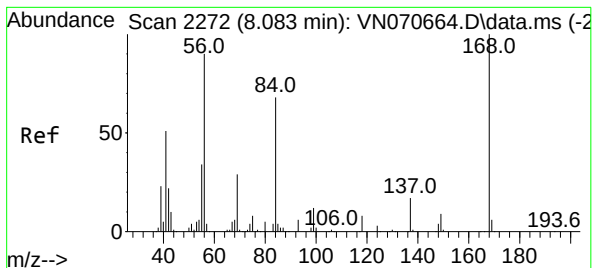
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 02 15:30:39 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

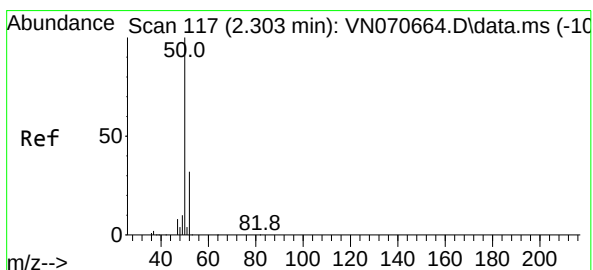
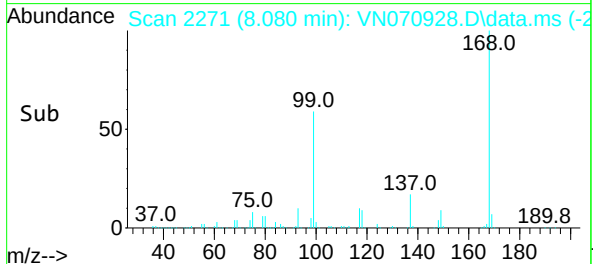
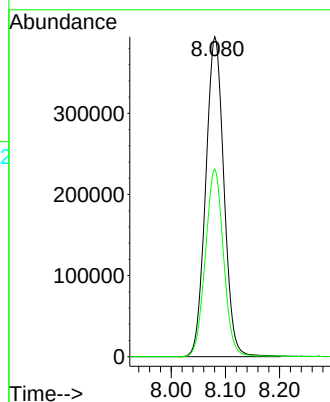
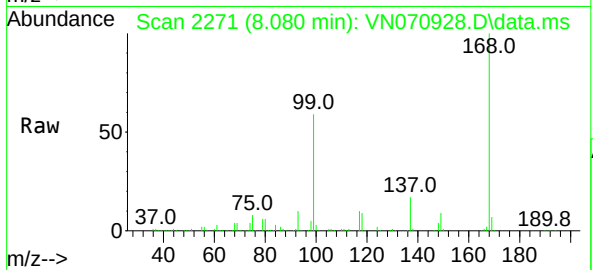
ClientSampleId :

Tgt Ion:168 Resp: 921310

Ion Ratio Lower Upper

168 100

99 58.7 41.3 61.9



#3

Chloromethane

Concen: 0.203 ug/l

RT: 2.295 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN070928.D

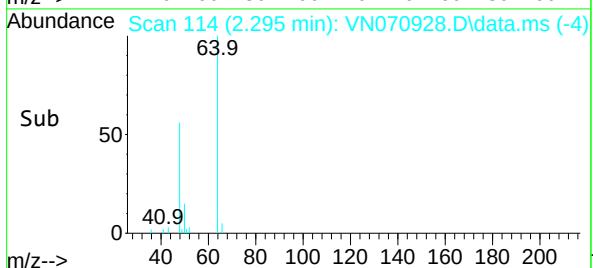
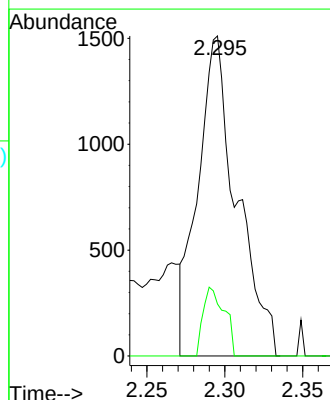
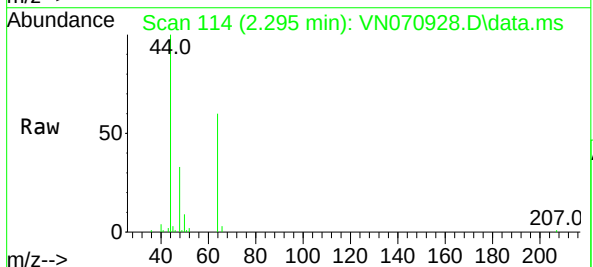
Acq: 3 Feb 2022 14:25

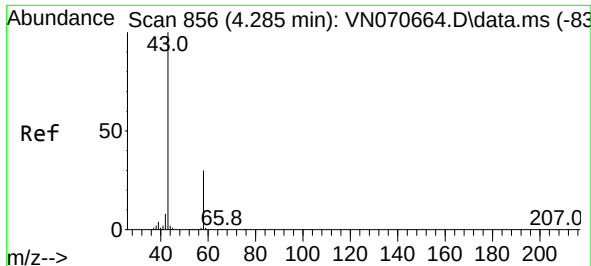
Tgt Ion: 50 Resp: 2623

Ion Ratio Lower Upper

50 100

52 16.3 25.4 38.0#

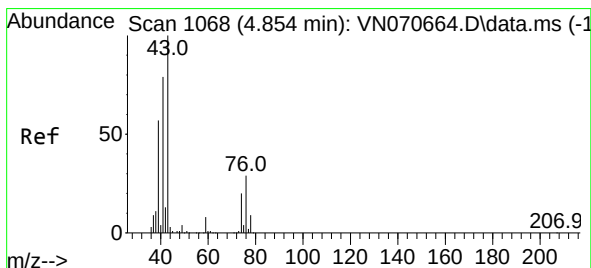
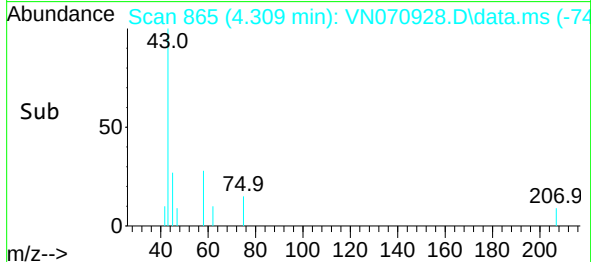
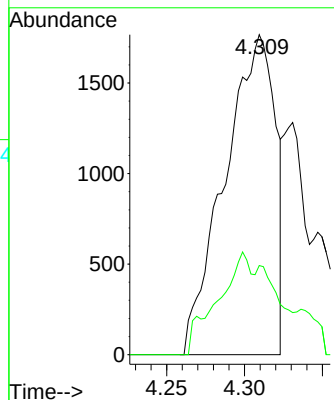
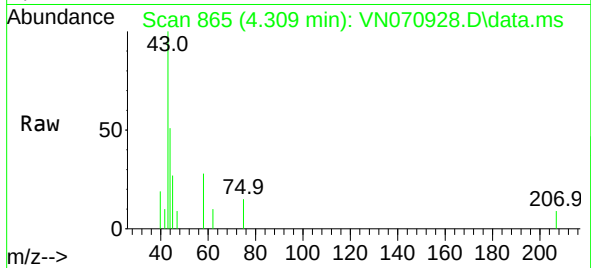




#16  
Acetone  
Concen: 0.536 ug/l  
RT: 4.309 min Scan# 80  
Delta R.T. 0.024 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

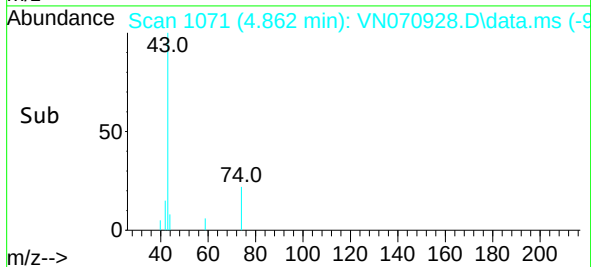
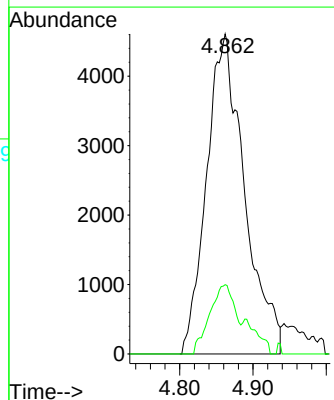
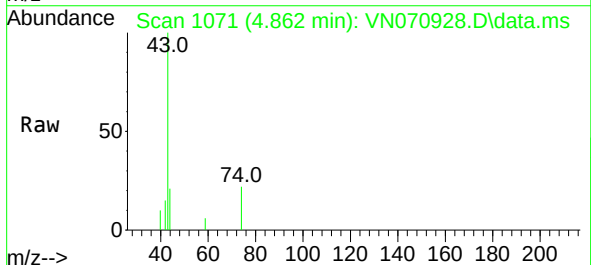
Instrument :  
MSVOA\_N  
ClientSampleId :

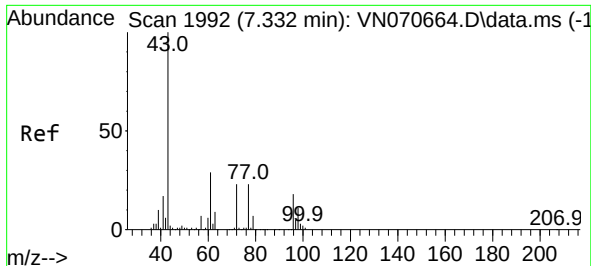
Tgt Ion: 43 Resp: 3995  
Ion Ratio Lower Upper  
43 100  
58 27.8 23.1 34.7



#18  
Methyl Acetate  
Concen: 0.509 ug/l  
RT: 4.862 min Scan# 1071  
Delta R.T. 0.008 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

Tgt Ion: 43 Resp: 16572  
Ion Ratio Lower Upper  
43 100  
74 14.5 19.4 29.2#





#25

2-Butanone

Concen: 0.843 ug/l

RT: 7.356 min Scan# 20

Delta R.T. 0.021 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

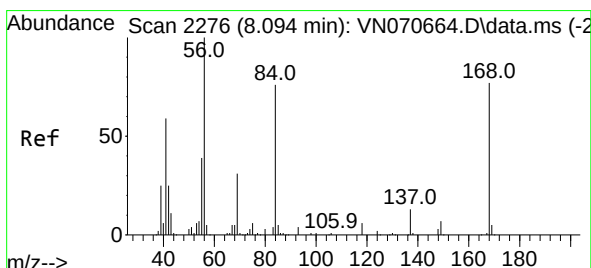
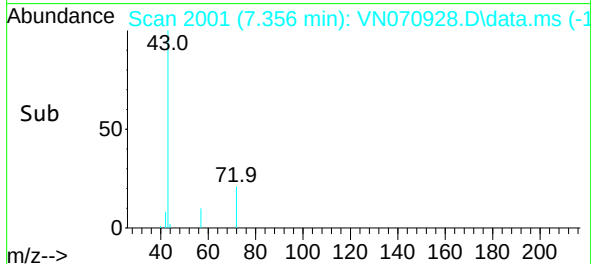
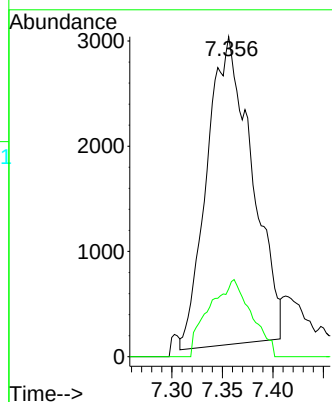
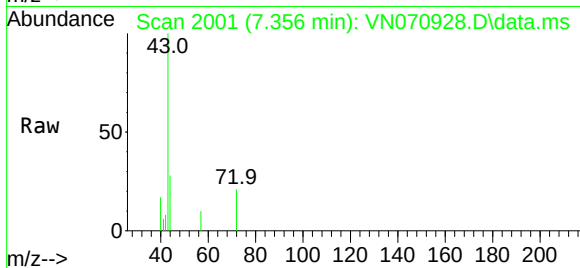
ClientSampleId :

Tgt Ion: 43 Resp: 9076

Ion Ratio Lower Upper

43 100

72 22.5 21.7 32.5



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 8.078 min Scan# 2270

Delta R.T. -0.016 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

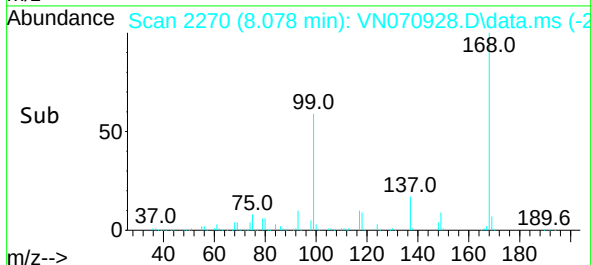
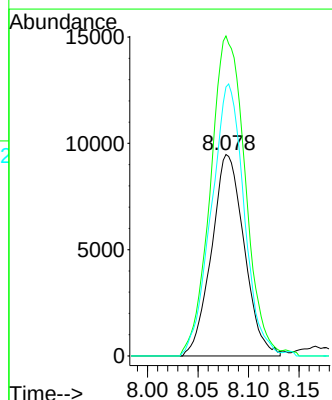
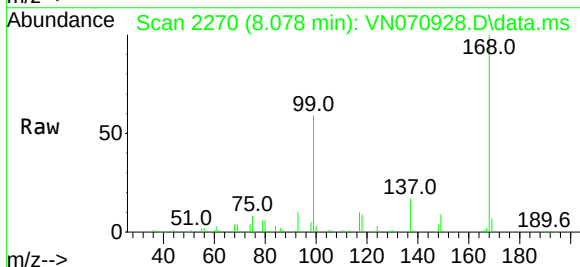
Tgt Ion: 56 Resp: 21265

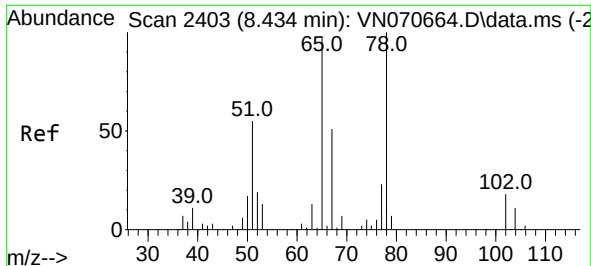
Ion Ratio Lower Upper

56 100

69 158.9 27.1 40.7#

84 133.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 46.971 ug/l

RT: 8.432 min Scan# 2403

Delta R.T. -0.005 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

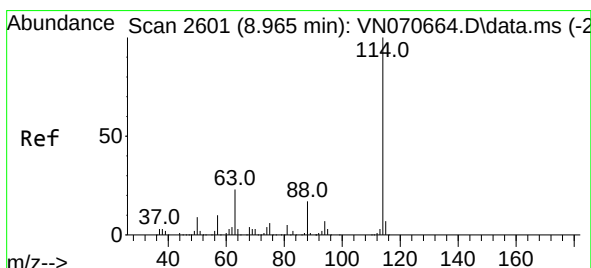
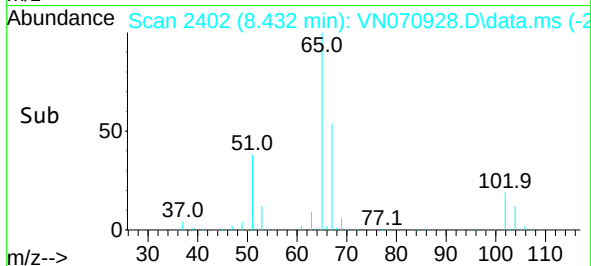
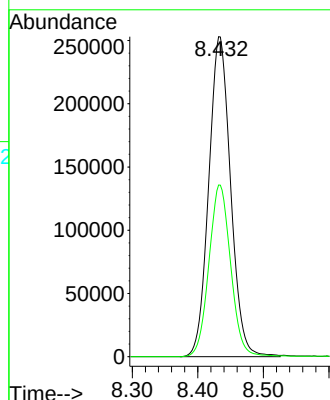
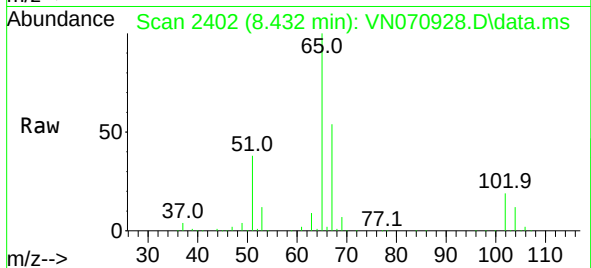
ClientSampleId :

Tgt Ion: 65 Resp: 585763

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.000 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

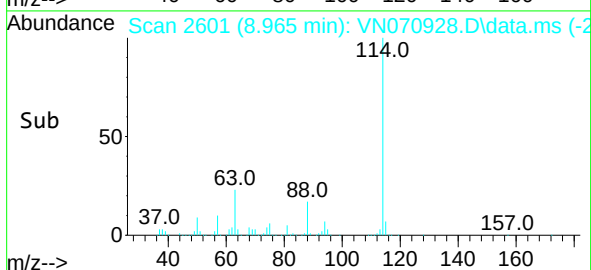
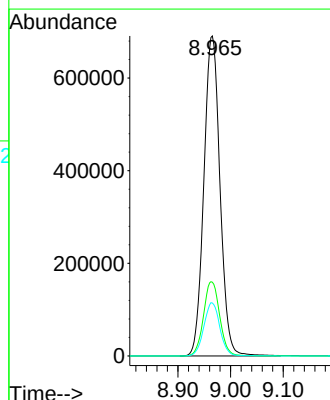
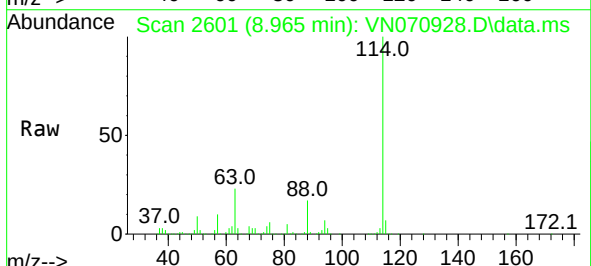
Tgt Ion: 114 Resp: 1472108

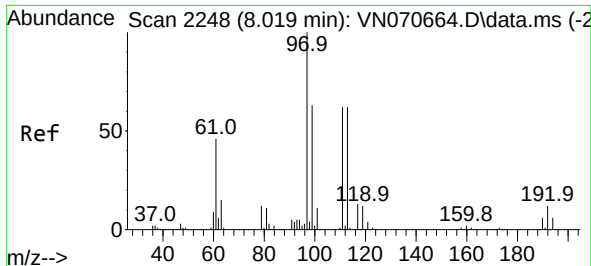
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 16.6 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.170 ug/l

RT: 8.019 min Scan# 2248

Delta R.T. -0.002 min

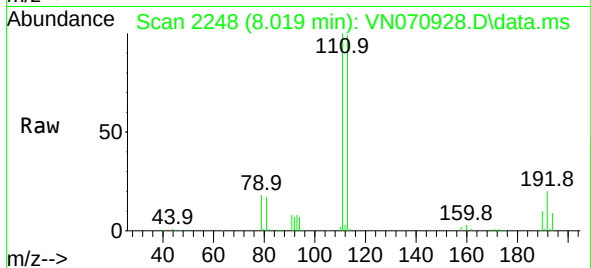
Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

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ClientSampleId :



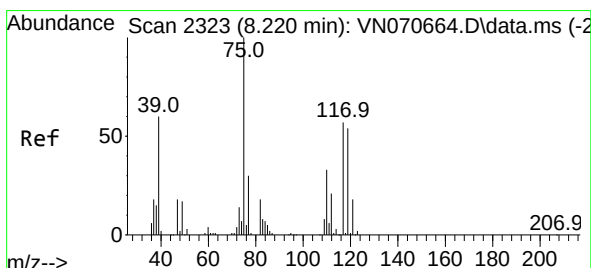
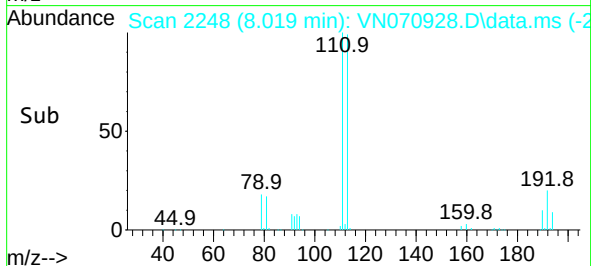
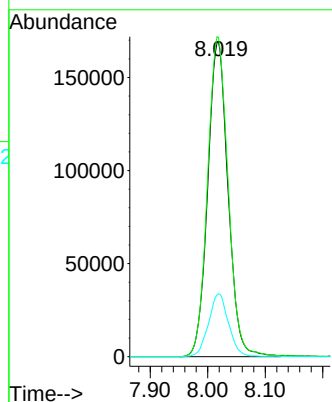
Tgt Ion:113 Resp: 415981

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.111 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.140 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

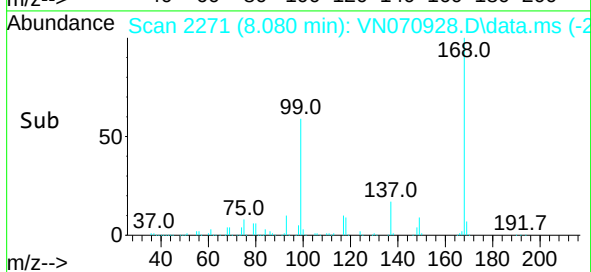
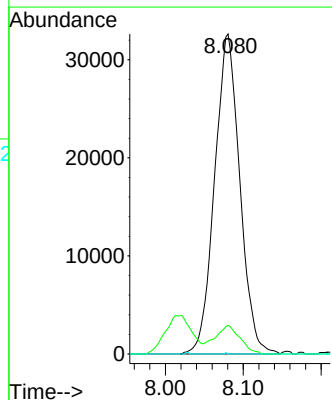
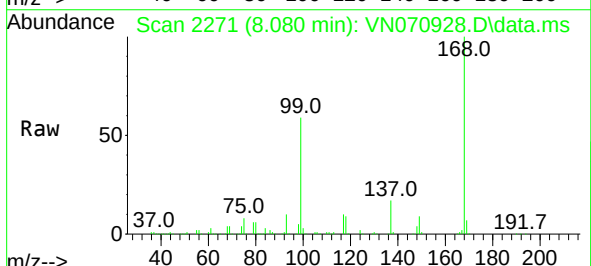
Tgt Ion: 75 Resp: 73224

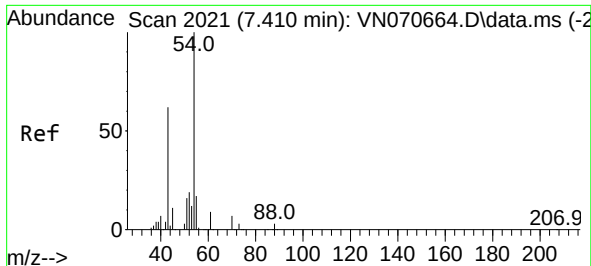
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.460 ug/l

RT: 7.356 min Scan# 20

Delta R.T. -0.057 min

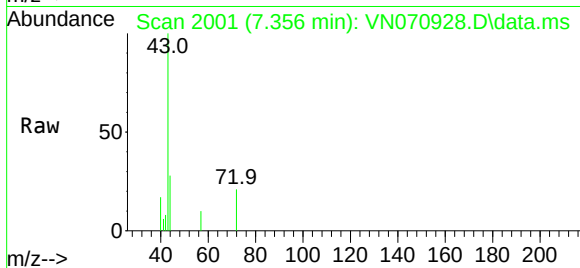
Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

ClientSampleId :



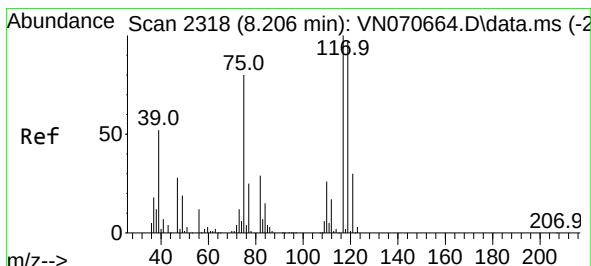
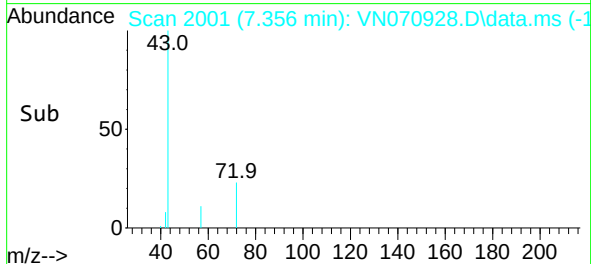
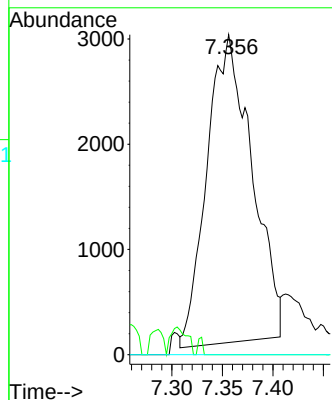
Tgt Ion: 43 Resp: 9076

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.900 ug/l

RT: 8.078 min Scan# 2270

Delta R.T. -0.128 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

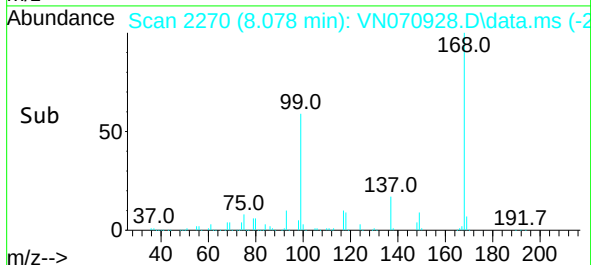
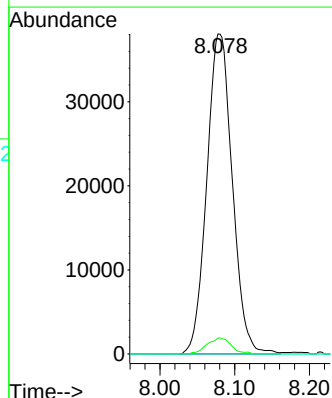
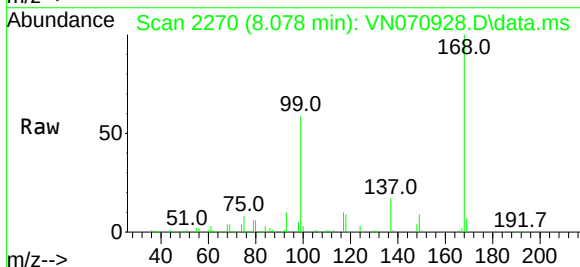
Tgt Ion: 117 Resp: 90279

Ion Ratio Lower Upper

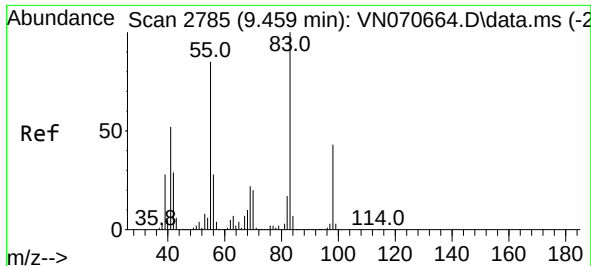
117 100

119 5.0 76.1 114.1#

121 0.0 24.2 36.2#







#39

Methylcyclohexane

Concen: 0.249 ug/l

RT: 9.453 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

ClientSampleId :

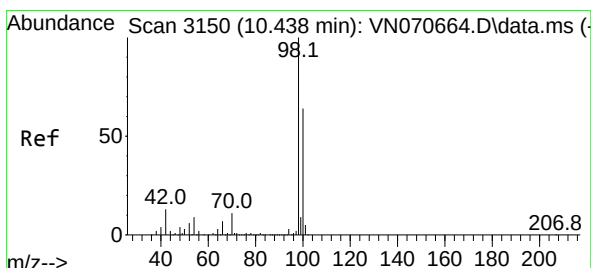
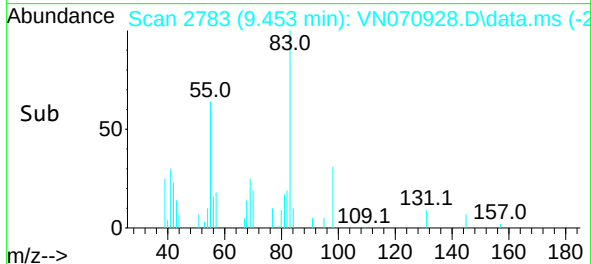
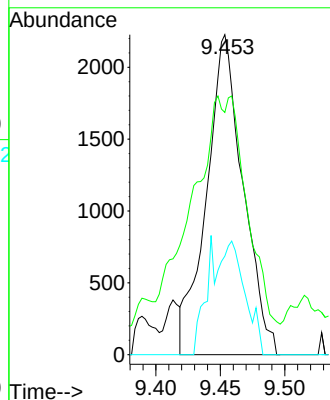
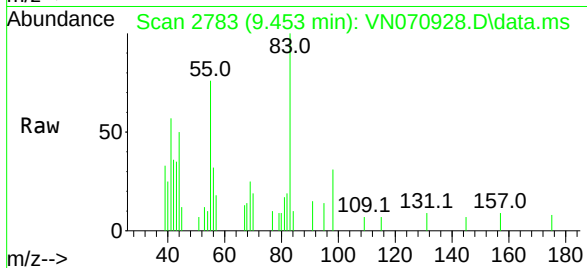
Tgt Ion: 83 Resp: 4391

Ion Ratio Lower Upper

83 100

55 66.1 58.1 87.1

98 30.8 38.4 57.6#



#50

Toluene-d8

Concen: 51.085 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.001 min

Lab File: VN070928.D

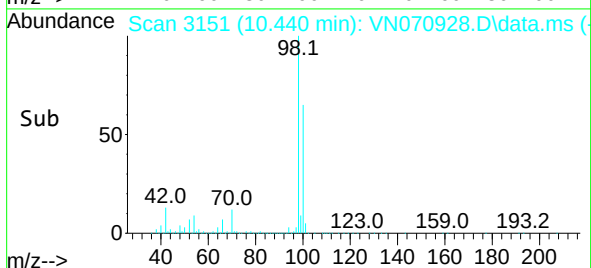
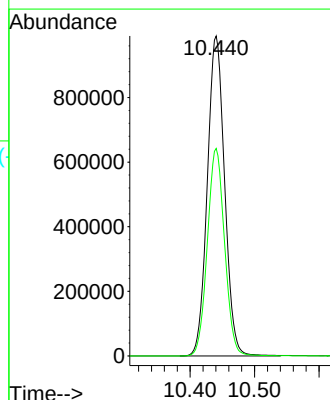
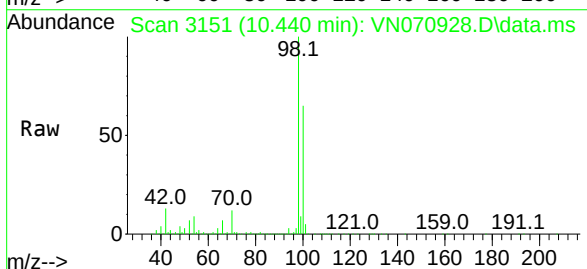
Acq: 3 Feb 2022 14:25

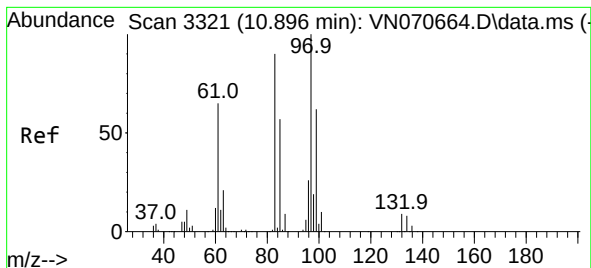
Tgt Ion: 98 Resp: 1849725

Ion Ratio Lower Upper

98 100

100 64.6 50.4 75.6





#55

1,1,2-Trichloroethane

Concen: 0.315 ug/l

RT: 10.878 min Scan# 3341

Delta R.T. -0.018 min

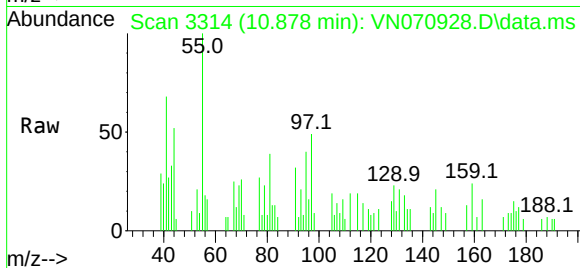
Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 3341

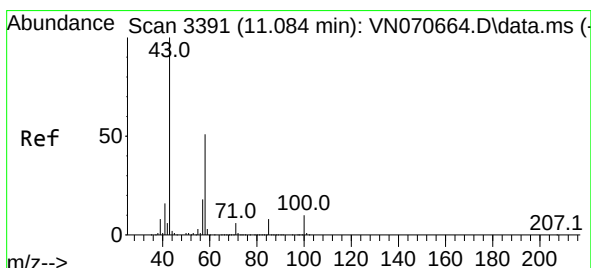
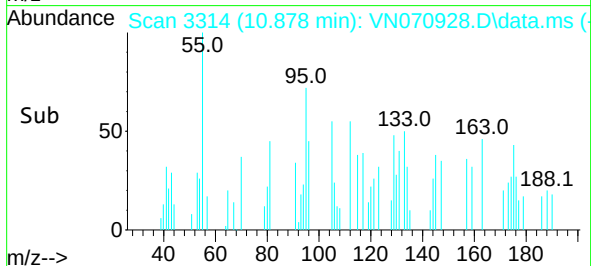
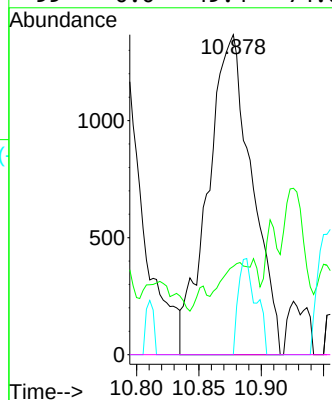
Ion Ratio Lower Upper

97 100

83 9.2 67.8 101.6#

85 0.0 45.4 68.2#

99 0.0 49.4 74.0#



#59

2-Hexanone

Concen: 0.213 ug/l

RT: 11.095 min Scan# 3395

Delta R.T. 0.011 min

Lab File: VN070928.D

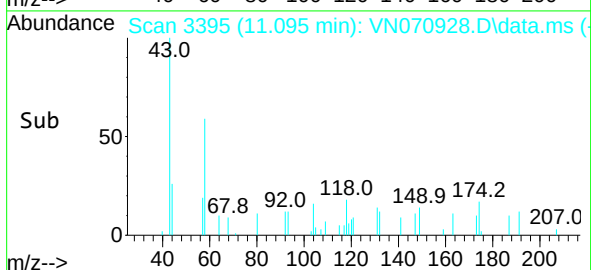
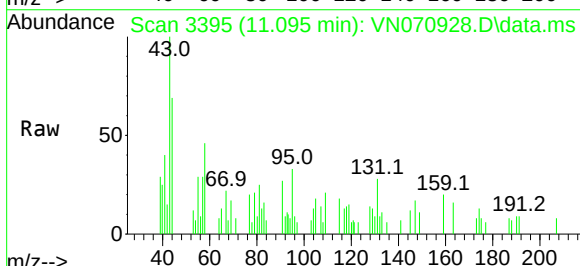
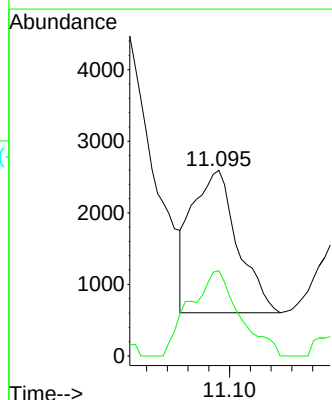
Acq: 3 Feb 2022 14:25

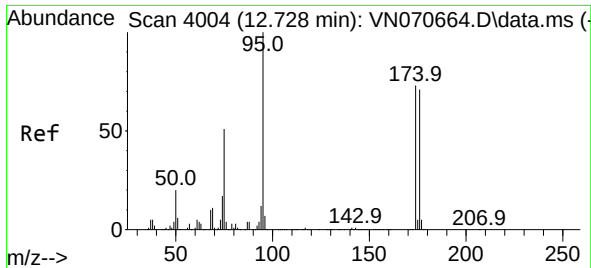
Tgt Ion: 43 Resp: 3041

Ion Ratio Lower Upper

43 100

58 65.2 26.9 80.7

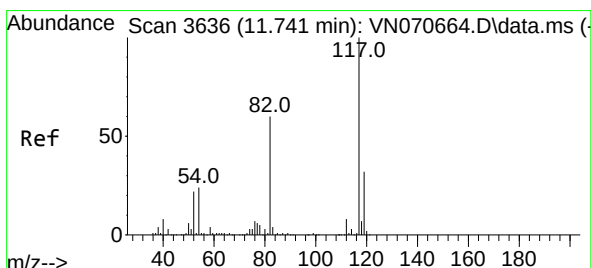
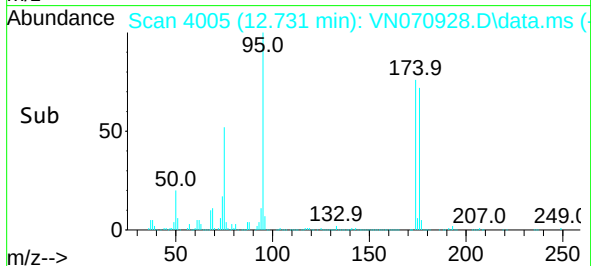
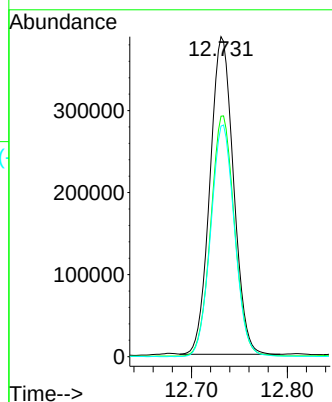
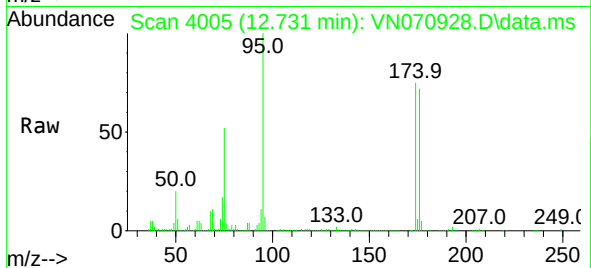




#62  
4-Bromofluorobenzene  
Concen: 50.544 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

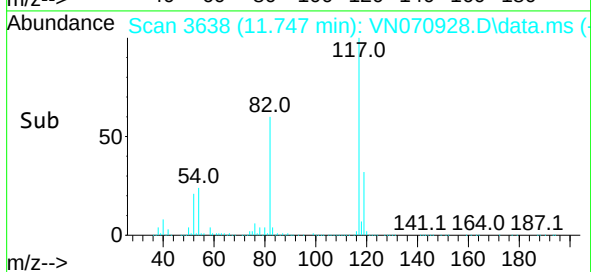
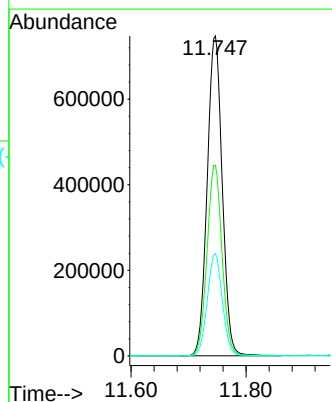
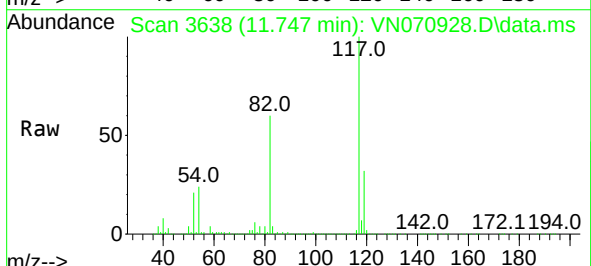
Instrument :  
MSVOA\_N  
ClientSampleId :

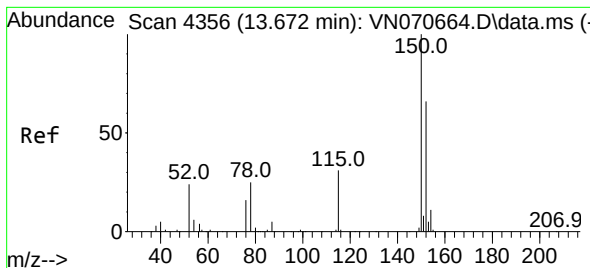
Tgt Ion: 95 Resp: 659433  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 187.2  
176 74.1 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.003 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

Tgt Ion:117 Resp: 1355383  
Ion Ratio Lower Upper  
117 100  
82 59.5 42.4 63.6  
119 31.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. 0.003 min

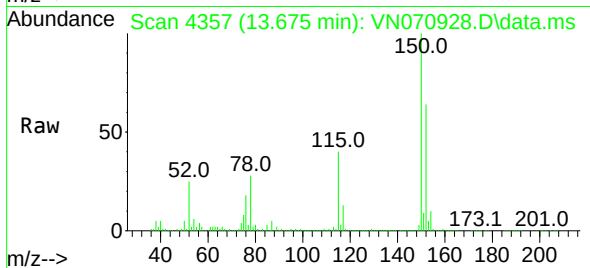
Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Instrument :

MSVOA\_N

ClientSampleId :



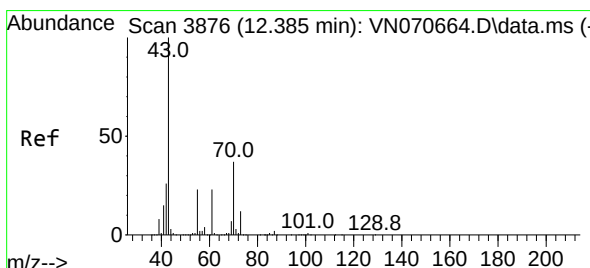
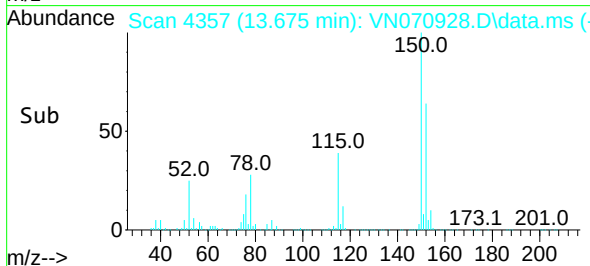
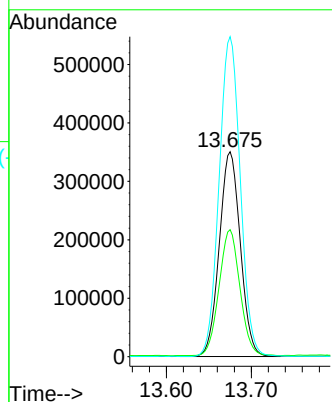
Tgt Ion:152 Resp: 601711

Ion Ratio Lower Upper

152 100

115 61.0 27.5 82.5

150 157.5 0.0 344.4



#74

N-ethyl acetate

Concen: 0.543 ug/l

RT: 12.369 min Scan# 3870

Delta R.T. -0.019 min

Lab File: VN070928.D

Acq: 3 Feb 2022 14:25

Tgt Ion: 43 Resp: 12770

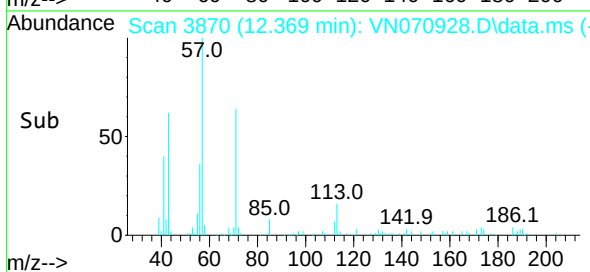
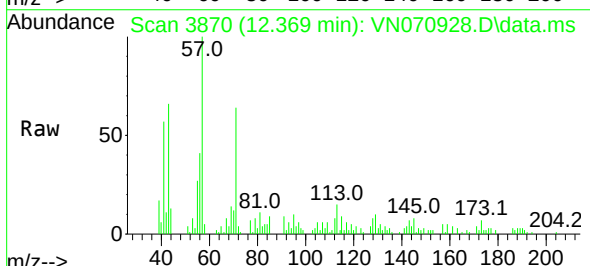
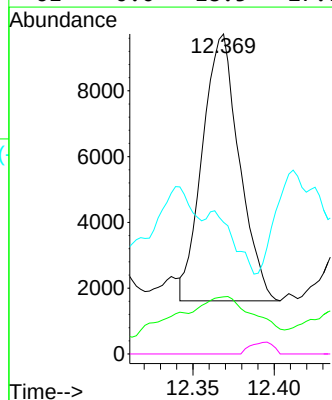
Ion Ratio Lower Upper

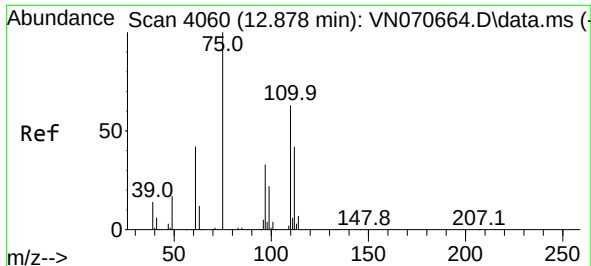
43 100

70 34.8 33.4 50.0

55 0.0 19.3 28.9#

61 0.0 18.5 27.7#

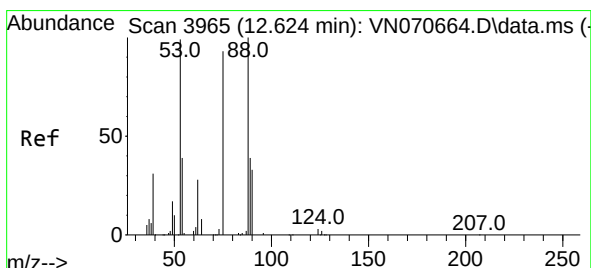
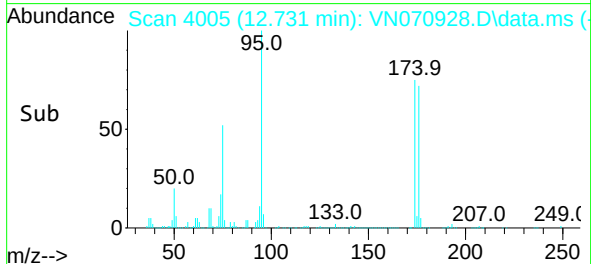
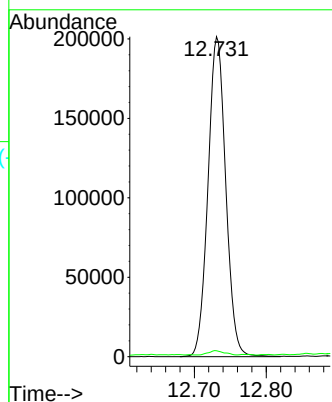
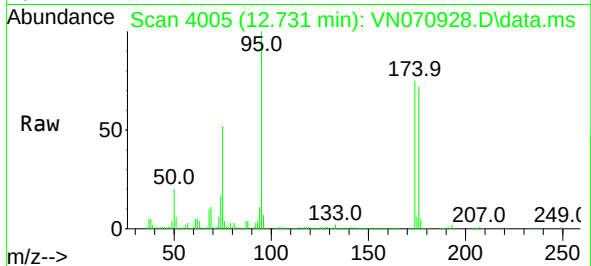




#76  
1,2,3-Trichloropropane  
Concen: 23.898 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.147 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

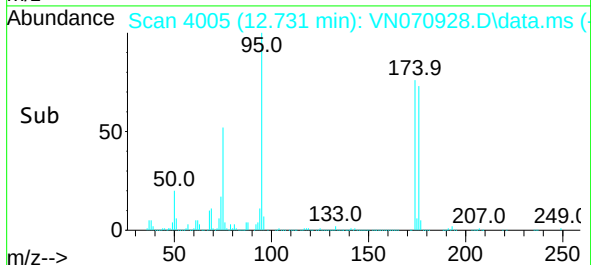
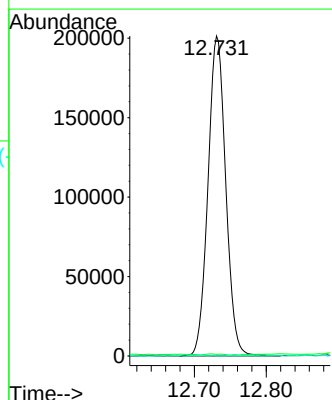
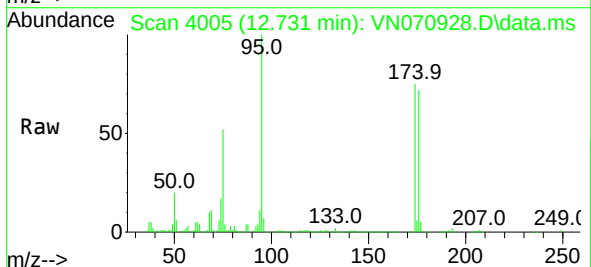
Instrument :  
MSVOA\_N  
ClientSampleId :

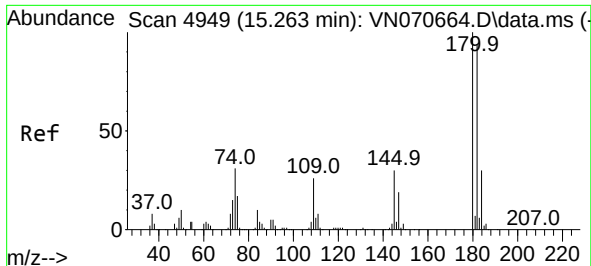
Tgt Ion: 75 Resp: 346117  
Ion Ratio Lower Upper  
75 100  
77 1.2 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.779 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.107 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

Tgt Ion: 75 Resp: 346117  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#

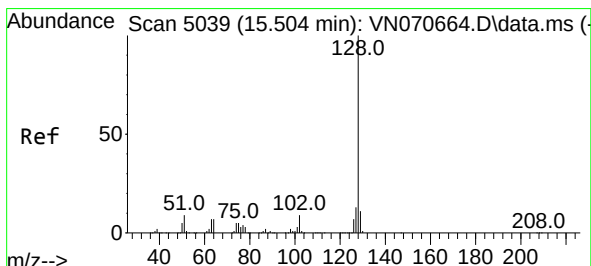
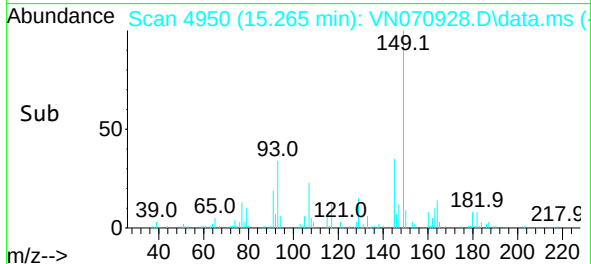
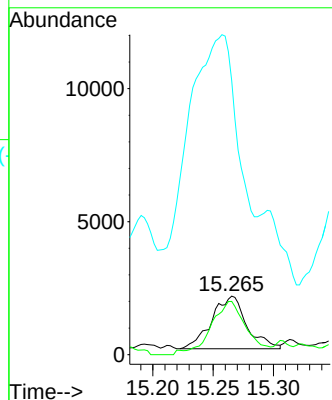
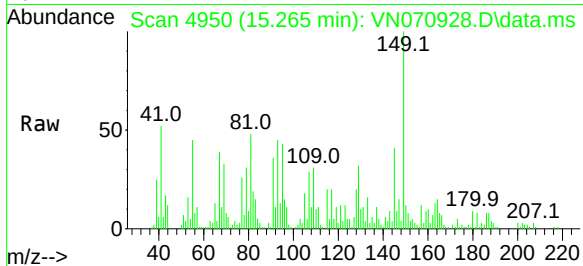




#93  
1,2,4-Trichlorobenzene  
Concen: 0.360 ug/l  
RT: 15.265 min Scan# 4949  
Delta R.T. 0.002 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

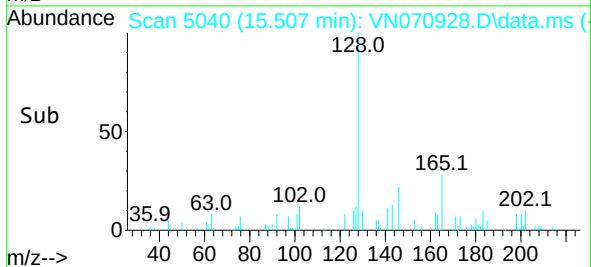
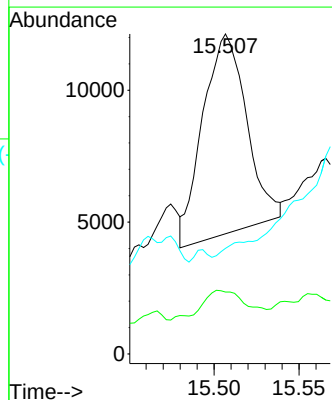
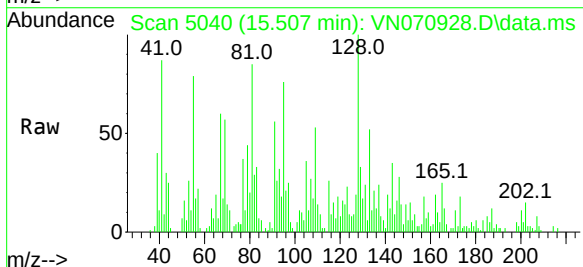
Instrument :  
MSVOA\_N  
ClientSampleId :

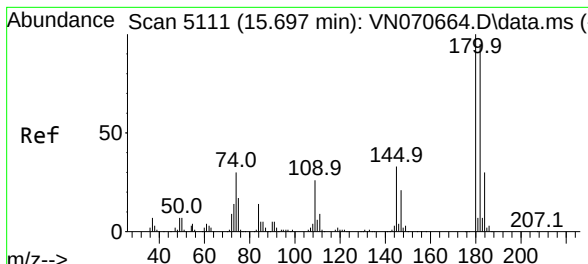
Tgt Ion:180 Resp: 4002  
Ion Ratio Lower Upper  
180 100  
182 87.7 48.3 144.9  
145 566.4 14.5 43.5#



#95  
Naphthalene  
Concen: 3.946 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. 0.003 min  
Lab File: VN070928.D  
Acq: 3 Feb 2022 14:25

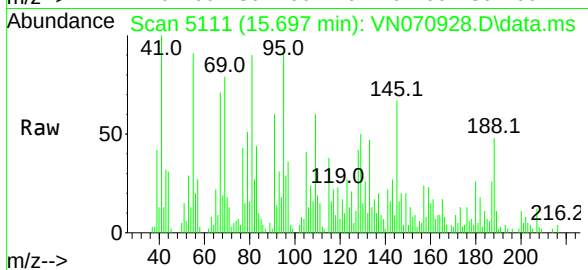
Tgt Ion:128 Resp: 13648  
Ion Ratio Lower Upper  
128 100  
127 15.2 10.5 15.7  
129 0.0 8.7 13.1#





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.851 ug/l  
 RT: 15.697 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: VN070928.D  
 Acq: 3 Feb 2022 14:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :



Tgt Ion:180 Resp: 1646  
 Ion Ratio Lower Upper  
 180 100  
 182 209.0 47.4 142.2#  
 145 0.0 15.0 45.1#

