

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\  
 Data File : VN063713.D  
 Acq On : 28 Sep 2020 18:21  
 Operator : JC/MD  
 Sample : L4178-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Sep 29 00:41:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 210961   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 390339   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 398405   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 171836   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 181124   | 50.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.88% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 132787   | 49.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.28%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 503239   | 49.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 201452   | 54.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.16% |          |

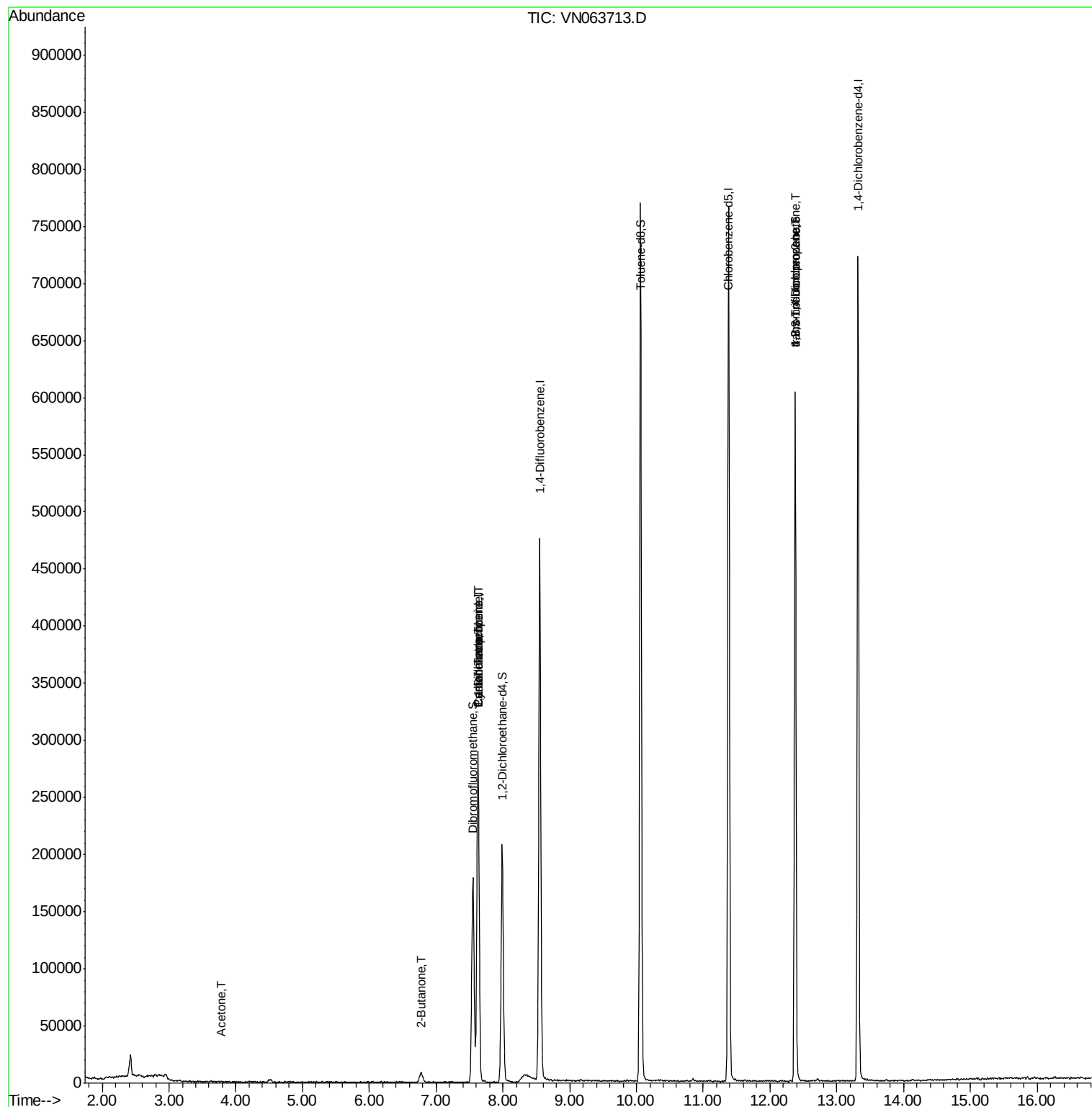
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 3.78  | 43   | 355      | 0.308  | ug/l # | 47     |
| 25) 2-Butanone                 | 6.77  | 43   | 674      | 0.380  | ug/l # | 51     |
| 31) Cyclohexane                | 7.63  | 56   | 5998     | 1.209  | ug/l # | 36     |
| 36) 1,1-Dichloropropene        | 7.62  | 75   | 19300    | 4.641  | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.63  | 117  | 23871    | 5.623  | ug/l # | 18     |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 116031   | 27.281 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 116031   | 74.794 | ug/l # | 7      |

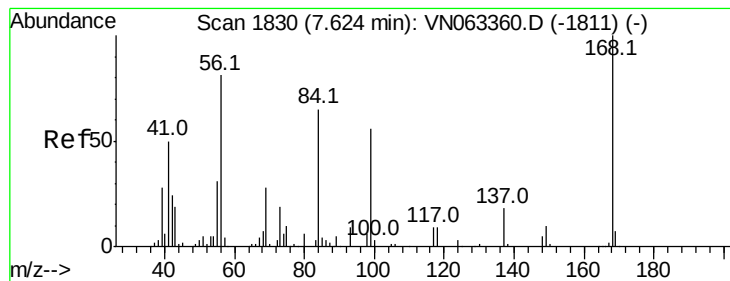
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
TRIP-BLANK

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063713.D

Acq: 28 Sep 2020 18:21

Instrument :

MSVOA\_N

ClientSampleId :

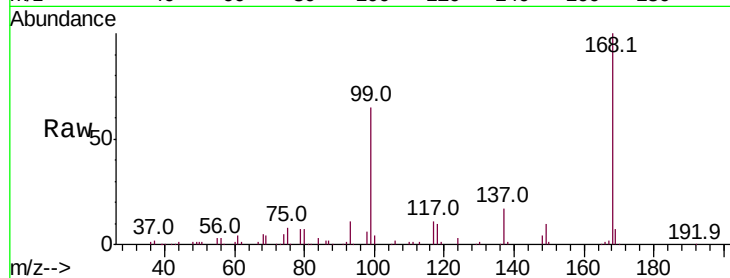
TRIP-BLANK

Tot Ion:168 Resp: 210961

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

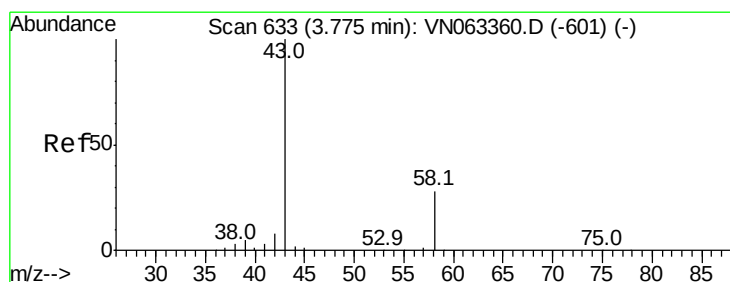
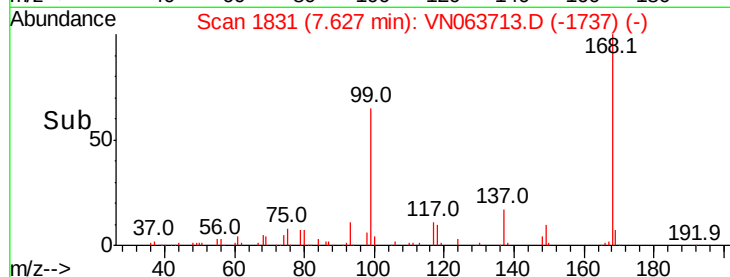
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.308 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063713.D

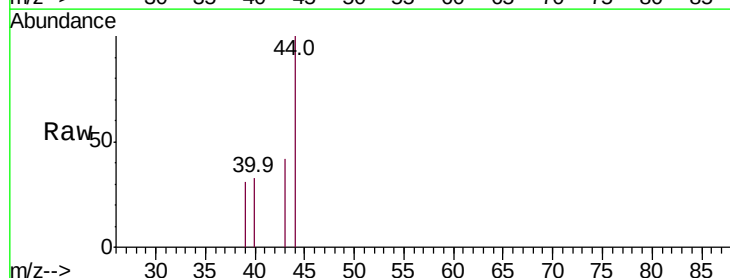
Acq: 28 Sep 2020 18:21

Tgt Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

300

250

200

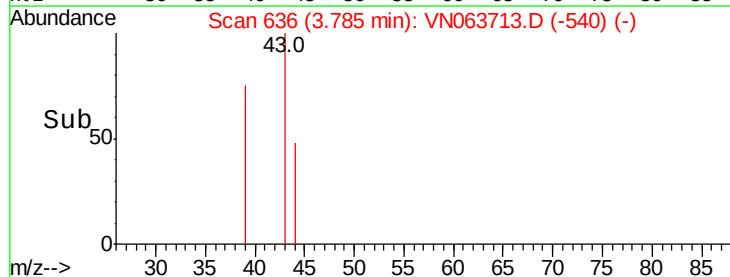
150

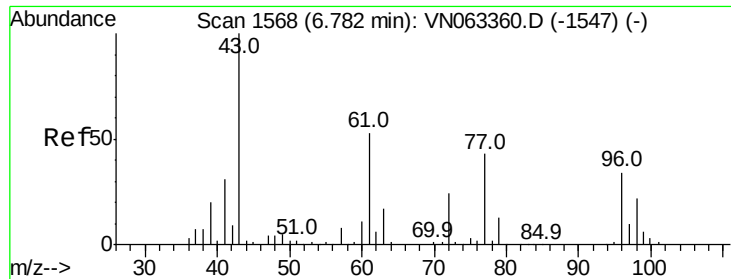
100

50

0

Time--> 3.76 3.77 3.78 3.79 3.80

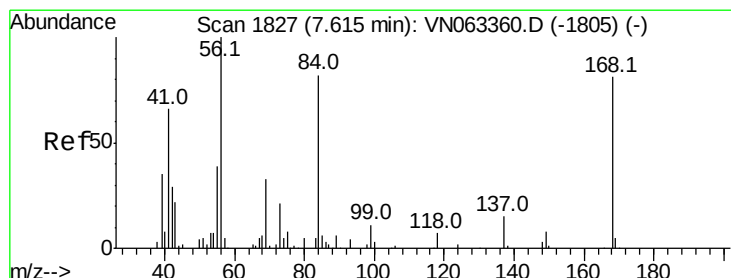
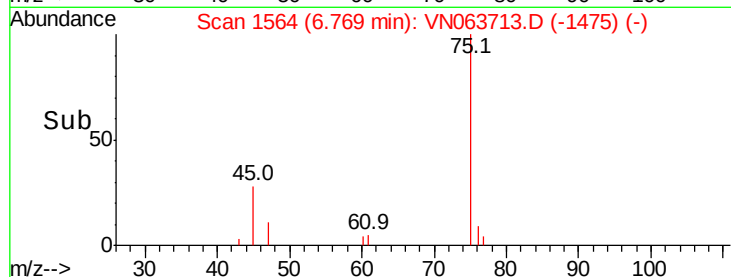
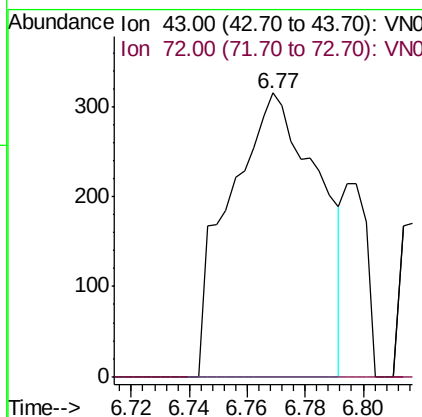
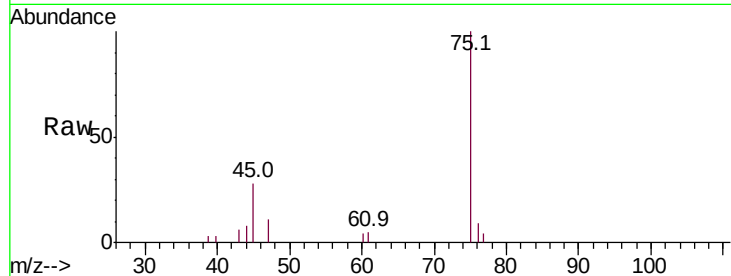




#25  
2-Butanone  
Concen: 0.380 ug/l  
RT: 6.77 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: VN063713.D  
Acq: 28 Sep 2020 18:21

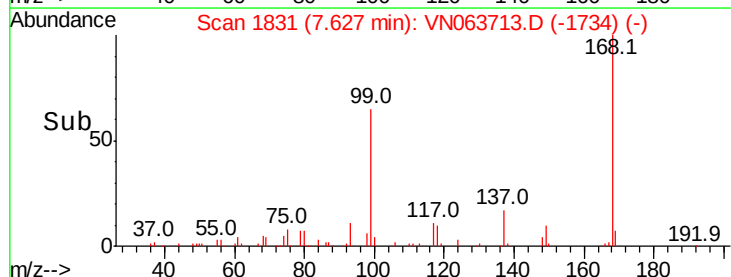
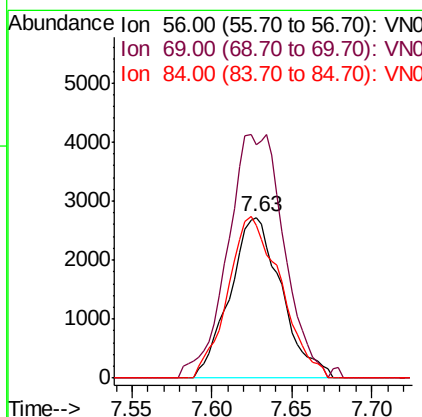
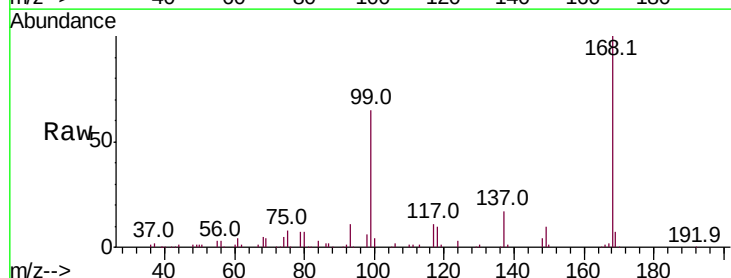
Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

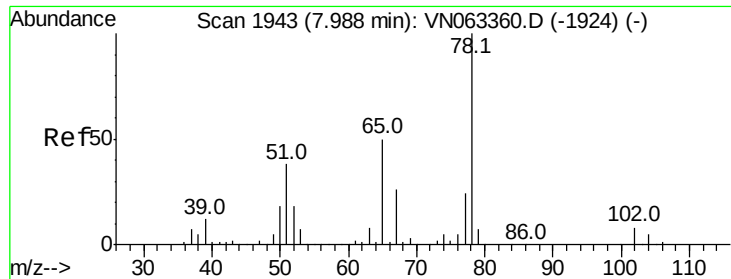
Tot Ion: 43 Resp: 674  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.2 28.8#



#31  
Cyclohexane  
Concen: 1.209 ug/l  
RT: 7.63 min Scan# 1831  
Delta R.T. 0.01 min  
Lab File: VN063713.D  
Acq: 28 Sep 2020 18:21

Tgt Ion: 56 Resp: 5998  
Ion Ratio Lower Upper  
56 100  
69 138.4 26.1 39.1#  
84 95.1 65.4 98.2

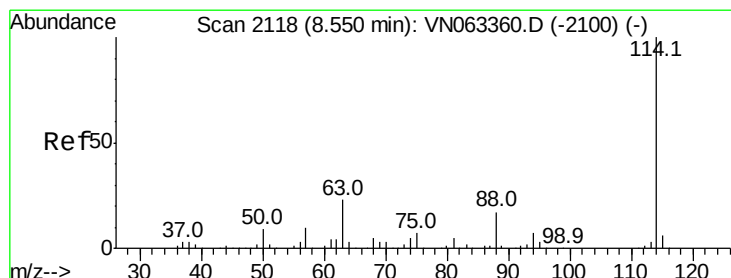
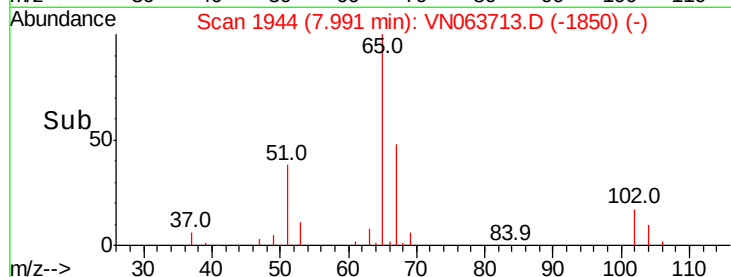
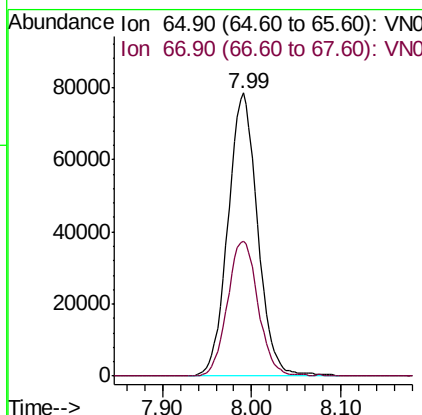
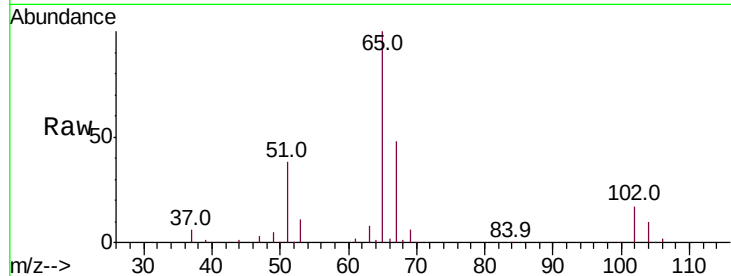




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.437 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN063713.D  
 Acq: 28 Sep 2020 18:21

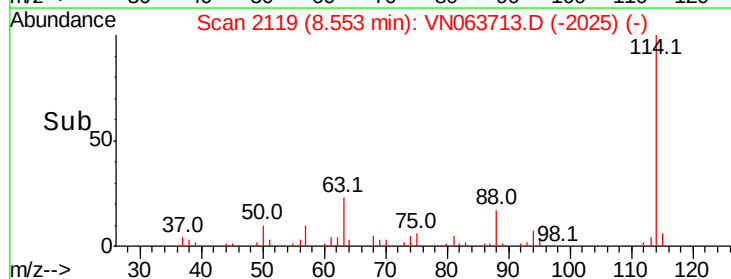
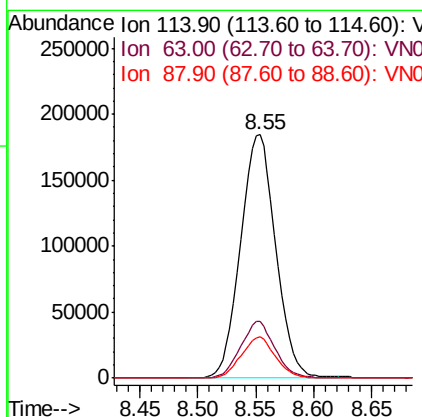
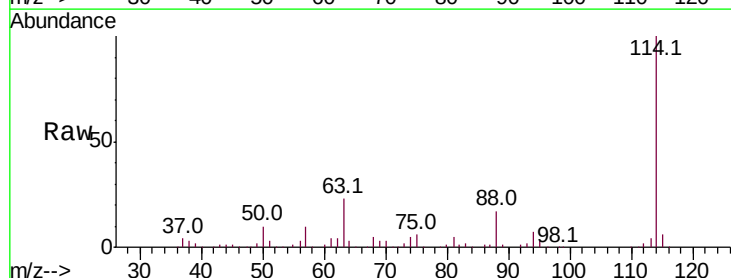
Instrument :  
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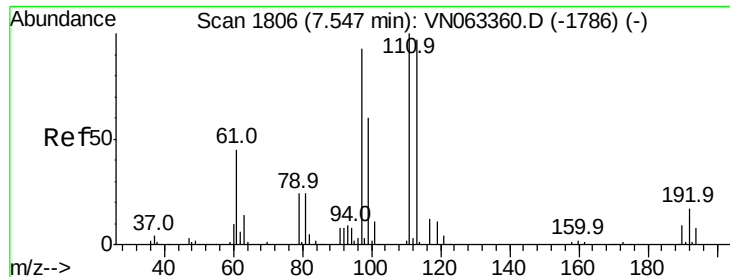
Tot Ion: 65 Resp: 181124  
 Ion Ratio Lower Upper  
 65 100  
 67 49.1 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN063713.D  
 Acq: 28 Sep 2020 18:21

Tgt Ion: 114 Resp: 390339  
 Ion Ratio Lower Upper  
 114 100  
 63 23.2 0.0 46.4  
 88 16.8 0.0 33.2

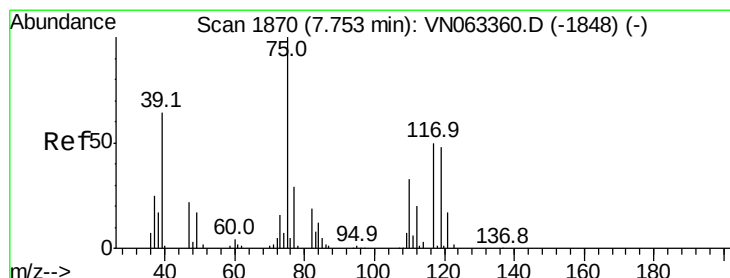
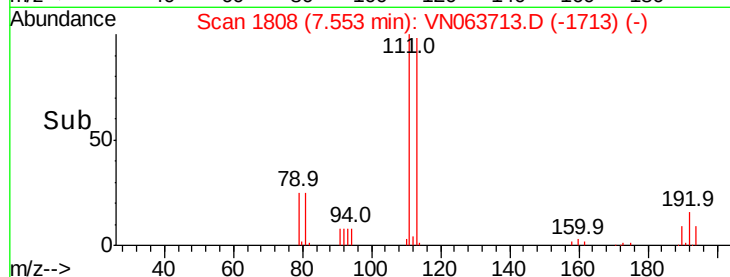
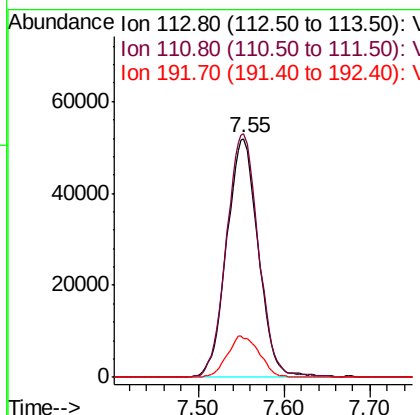
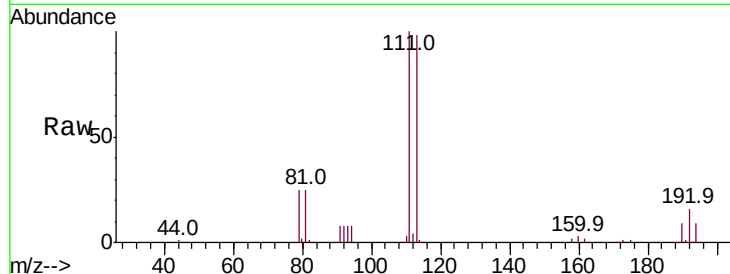




#35  
 Dibromofluoromethane  
 Concen: 49.140 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN063713.D  
 Acq: 28 Sep 2020 18:21

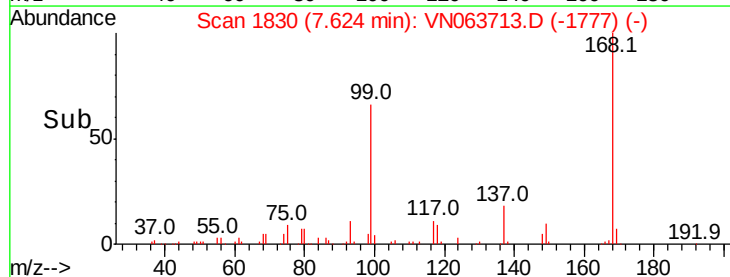
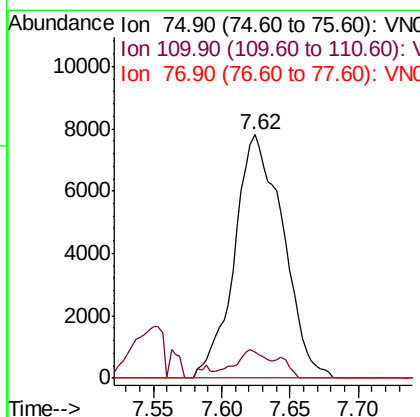
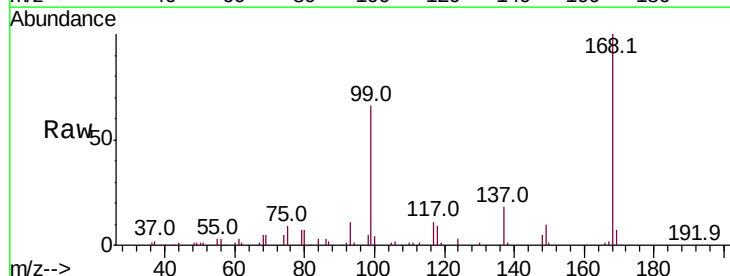
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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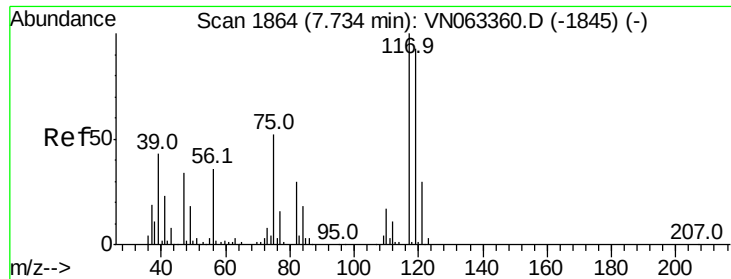
Tot Ion:113 Resp: 132787  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 82.9 124.3  
 192 17.5 13.9 20.9



#36  
 1,1-Dichloropropene  
 Concen: 4.641 ug/l  
 RT: 7.62 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN063713.D  
 Acq: 28 Sep 2020 18:21

Tgt Ion: 75 Resp: 19300  
 Ion Ratio Lower Upper  
 75 100  
 110 4.4 16.5 49.5#  
 77 0.0 24.6 36.8#

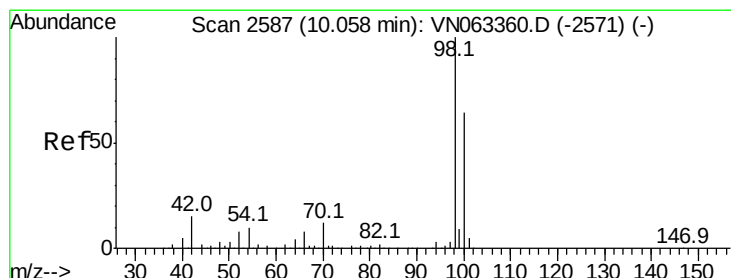
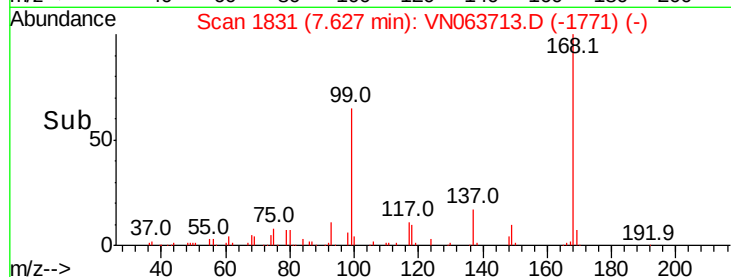
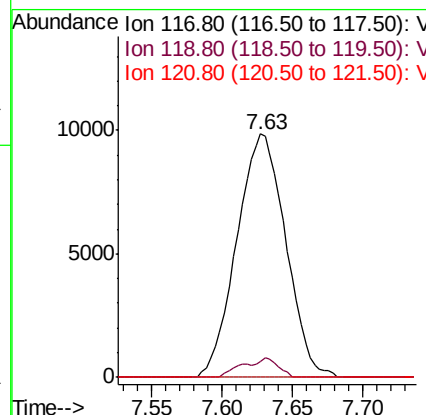
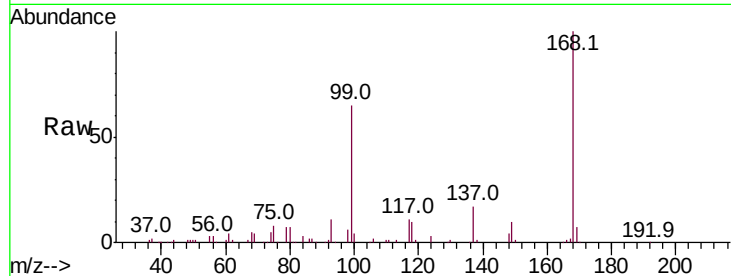




#38  
Carbon Tetrachloride  
Concen: 5.623 ug/l  
RT: 7.63 min Scan# 1831  
Delta R.T. -0.11 min  
Lab File: VN063713.D  
Acq: 28 Sep 2020 18:21

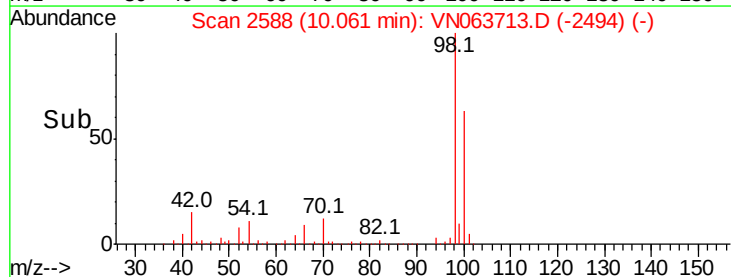
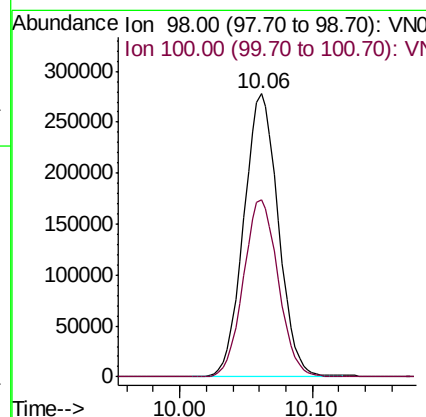
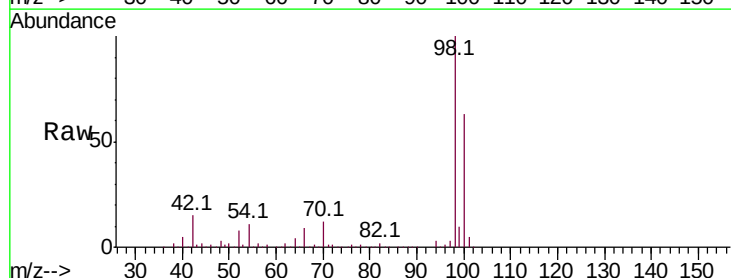
Instrument :  
MSVOA\_N  
ClientSampleId :  
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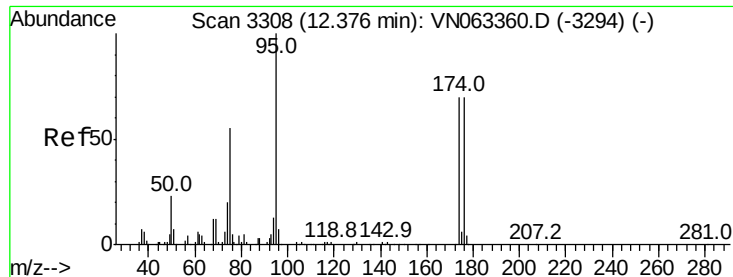
Tot Ion:117 Resp: 23871  
Ion Ratio Lower Upper  
117 100  
119 6.7 74.5 111.7#  
121 0.0 24.1 36.1#



#50  
Toluene-d8  
Concen: 49.527 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN063713.D  
Acq: 28 Sep 2020 18:21

Tgt Ion: 98 Resp: 503239  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 54.084 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063713.D

Acq: 28 Sep 2020 18:21

Instrument :

MSVOA\_N

ClientSampleId :

TRIP-BLANK

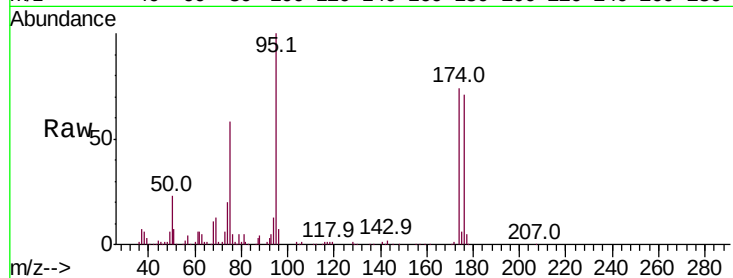
Tot Ion: 95 Resp: 201452

Ion Ratio Lower Upper

95 100

174 74.1 0.0 140.8

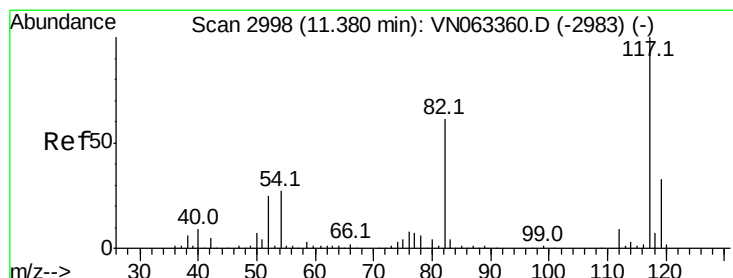
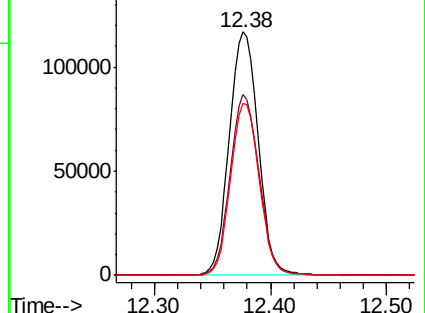
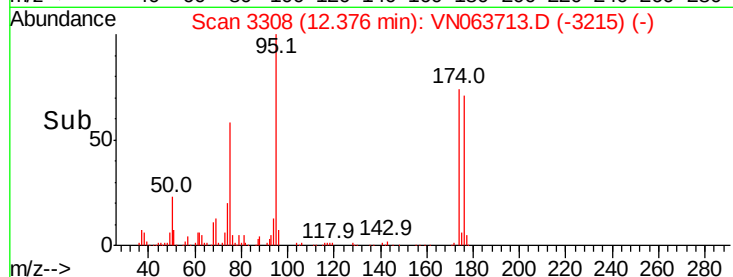
176 70.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063713.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063713.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063713.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063713.D

Acq: 28 Sep 2020 18:21

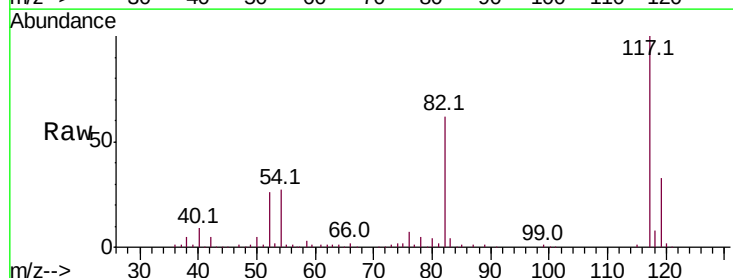
Tgt Ion: 117 Resp: 398405

Ion Ratio Lower Upper

117 100

82 61.7 49.2 73.8

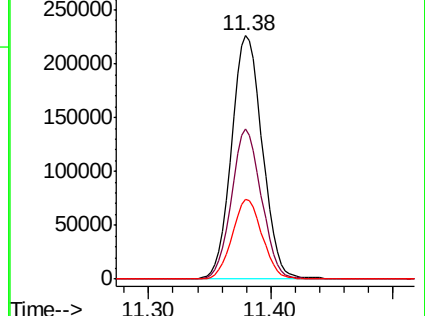
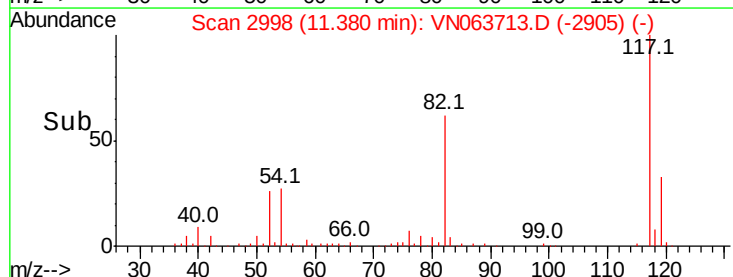
119 32.7 26.2 39.4



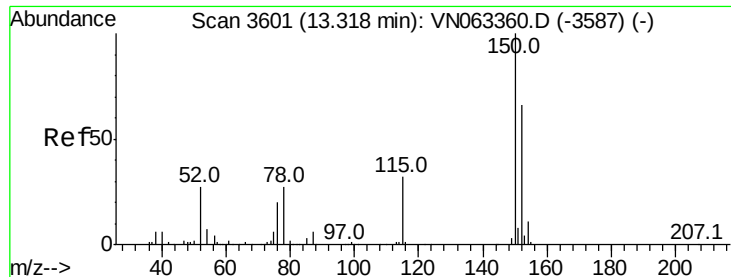
Abundance Ion 116.90 (116.60 to 117.60): VN063713.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063713.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063713.D (-2905) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063713.D

Acq: 28 Sep 2020 18:21

Instrument :

MSVOA\_N

ClientSampled :

TRIP-BLANK

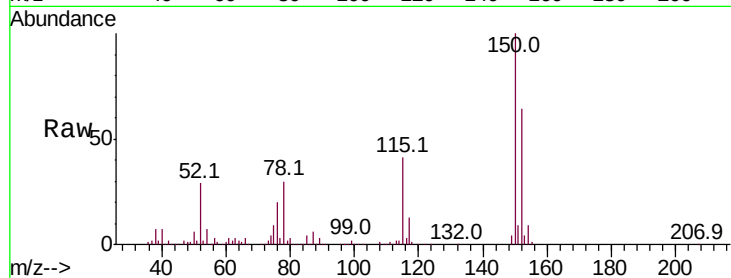
Tot Ion:152 Resp: 171836

Ion Ratio Lower Upper

152 100

115 63.0 32.2 96.6

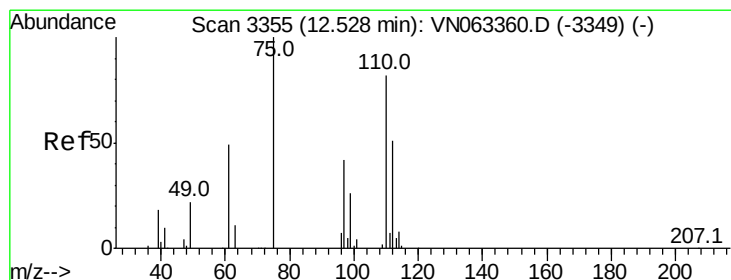
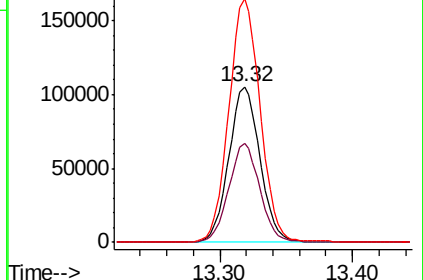
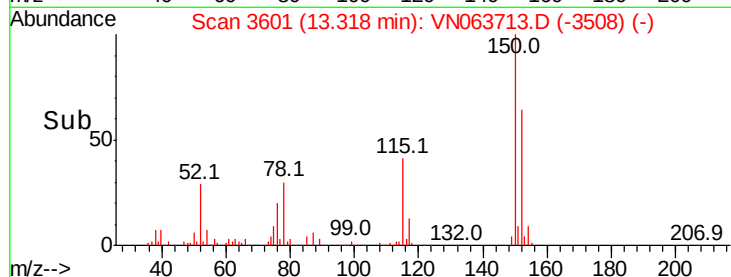
150 156.8 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.281 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063713.D

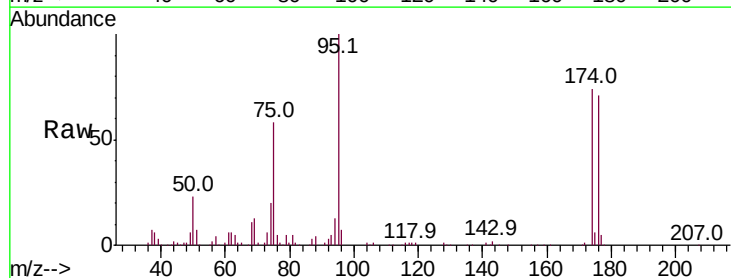
Acq: 28 Sep 2020 18:21

Tgt Ion: 75 Resp: 116031

Ion Ratio Lower Upper

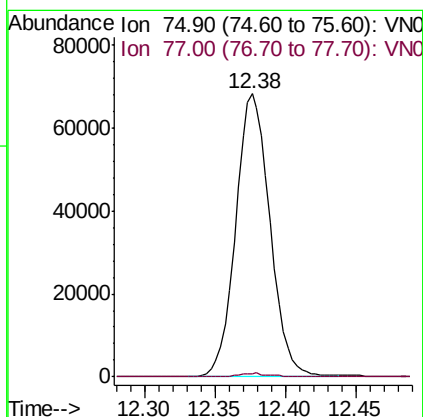
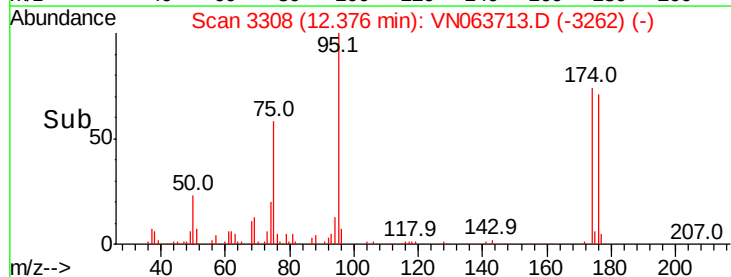
75 100

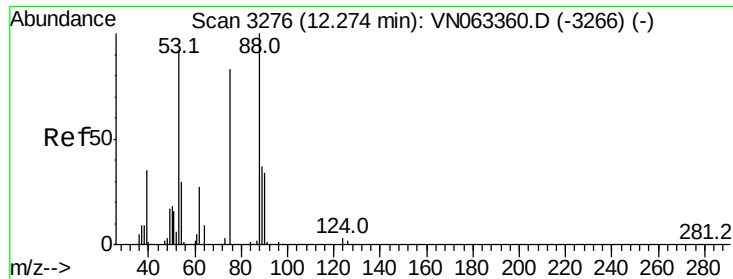
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.794 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063713.D

Acq: 28 Sep 2020 18:21

Instrument :

MSVOA\_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 75 Resp: 116031

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

