

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\  
 Data File : VN063253.D  
 Acq On : 4 Sep 2020 17:25  
 Operator : JC/MD  
 Sample : L3864-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-090320

Quant Time: Sep 05 07:31:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 01 04:21:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 289243   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 571714   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 586417   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 224887   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 225979   | 47.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.58%  |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 180616   | 49.24 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.48%  |      |
| 50) Toluene-d8            | 10.06  | 98  | 740407   | 52.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.90% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 253349   | 51.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.60% |      |

## Target Compounds

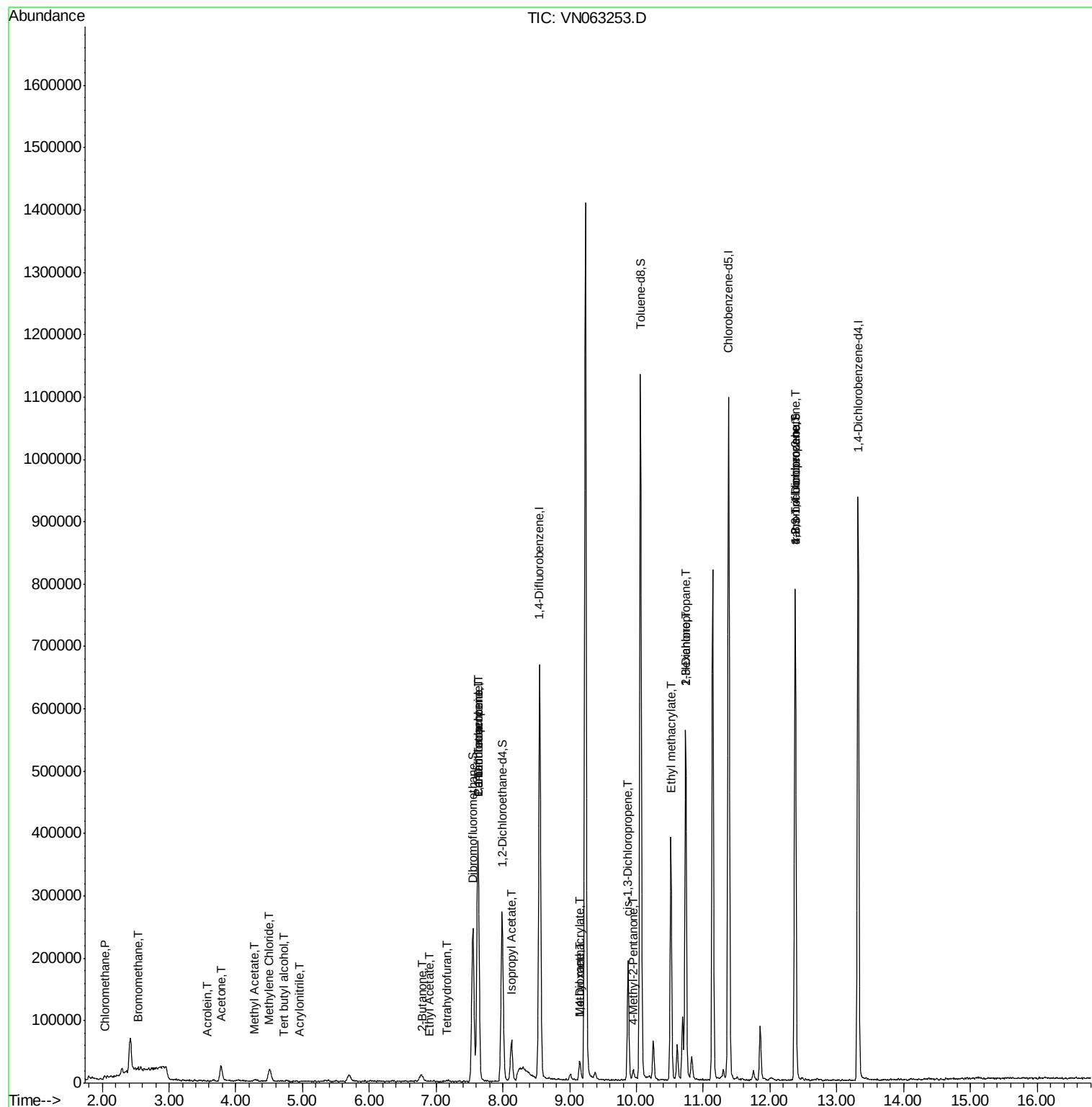
|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 3) Chloromethane               | 2.04  | 50  | 1294   | 0.312     | ug/l # | 86     |
| 5) Bromomethane                | 2.53  | 94  | 900    | 0.233     | ug/l   | 88     |
| 7) Trichlorofluoromethane      | 2.95  | 101 | 77     | Below Cal |        | 84     |
| 11) Tert butyl alcohol         | 4.72  | 59  | 637    | 1.098     | ug/l # | 72     |
| 13) Acrolein                   | 3.58  | 56  | 80     | 16.108    | ug/l # | 1      |
| 15) Acrylonitrile              | 4.95  | 53  | 74     | 2.449     | ug/l # | 17     |
| 16) Acetone                    | 3.78  | 43  | 42410  | 31.552    | ug/l   | 98     |
| 18) Methyl Acetate             | 4.28  | 43  | 2320   | 0.673     | ug/l # | 57     |
| 20) Methylene Chloride         | 4.50  | 84  | 6900   | 1.347     | ug/l # | 90     |
| 25) 2-Butanone                 | 6.80  | 43  | 4176   | 2.007     | ug/l # | 78     |
| 29) Tetrahydrofuran            | 7.16  | 42  | 1596   | 1.109     | ug/l # | 43     |
| 31) Cyclohexane                | 7.63  | 56  | 8204   | Below Cal | #      | 28     |
| 36) 1,1-Dichloropropene        | 7.63  | 75  | 25756  | 4.686     | ug/l # | 46     |
| 37) Ethyl Acetate              | 6.90  | 43  | 259    | 0.430     | ug/l # | 72     |
| 38) Carbon Tetrachloride       | 7.62  | 117 | 30698  | 5.507     | ug/l # | 17     |
| 43) Isopropyl Acetate          | 8.13  | 43  | 82754  | 9.232     | ug/l # | 90     |
| 48) Methyl methacrylate        | 9.14  | 41  | 4511   | 1.116     | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.15  | 88  | 61     | 0.976     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.96  | 43  | 9788   | 2.010     | ug/l   | 96     |
| 54) cis-1,3-Dichloropropene    | 9.87  | 75  | 33762  | 4.841     | ug/l # | 69     |
| 56) Ethyl methacrylate         | 10.51 | 69  | 1793   | 0.306     | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.74 | 76  | 5940   | 0.865     | ug/l # | 45     |
| 59) 2-Hexanone                 | 10.74 | 43  | 84837  | 24.783    | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75  | 147396 | 33.358    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75  | 147396 | 80.627    | ug/l # | 10     |

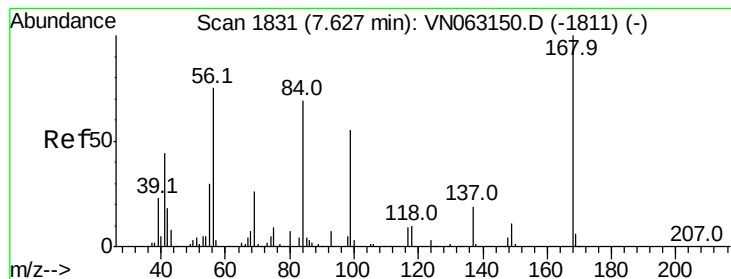
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 01 04:21:28 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: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

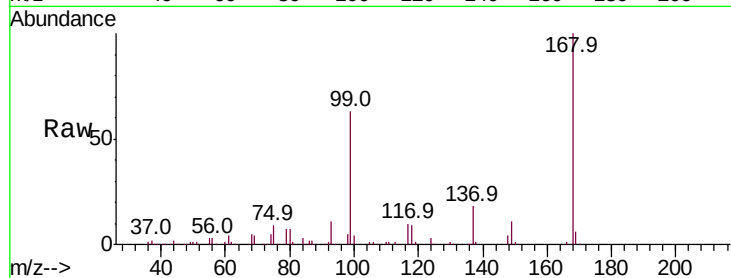
CL-01-090320

Tot Ion:168 Resp: 289243

Ion Ratio Lower Upper

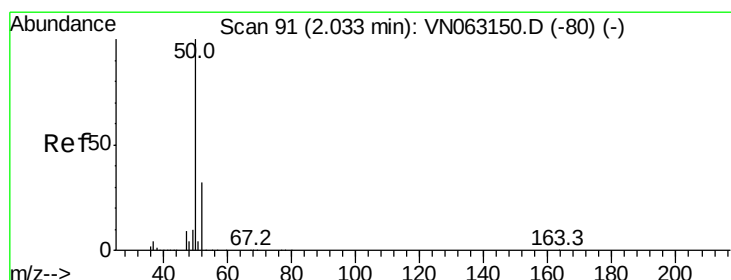
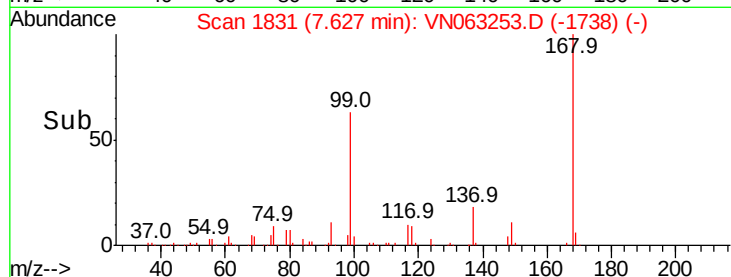
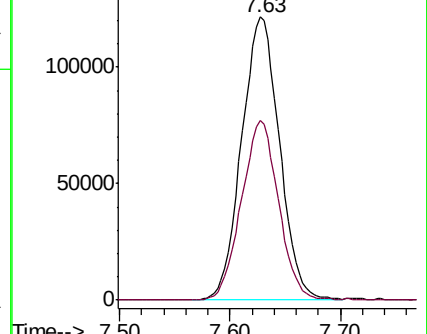
168 100

99 63.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.312 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063253.D

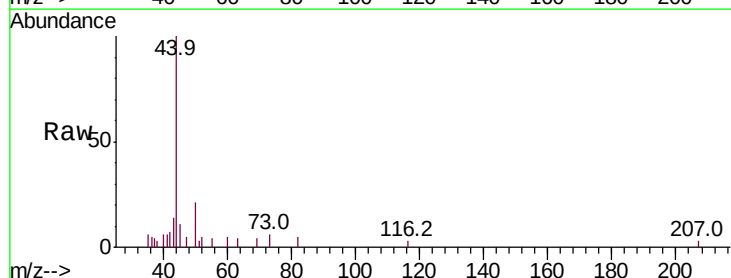
Acq: 4 Sep 2020 17:25

Tgt Ion: 50 Resp: 1294

Ion Ratio Lower Upper

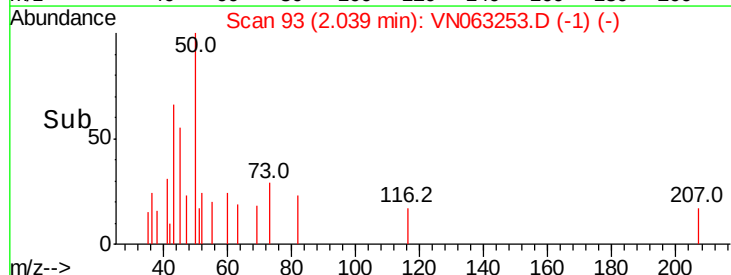
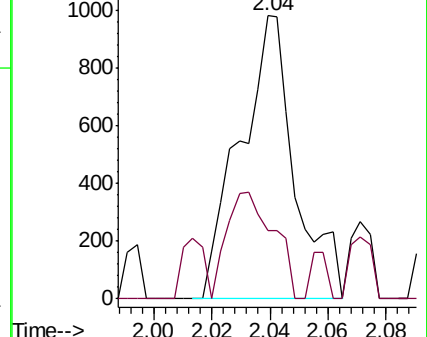
50 100

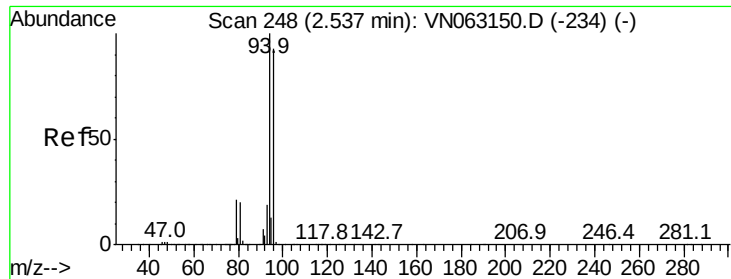
52 24.3 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.233 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

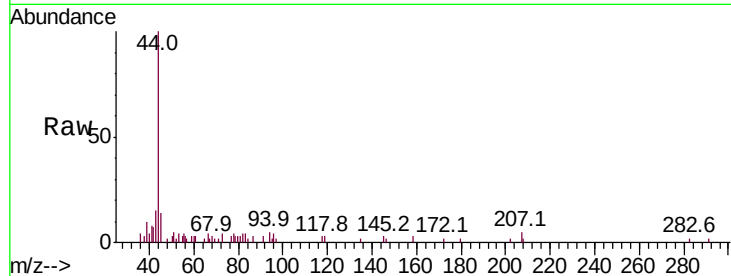
CL-01-090320

Tot Ion: 94 Resp: 900

Ion Ratio Lower Upper

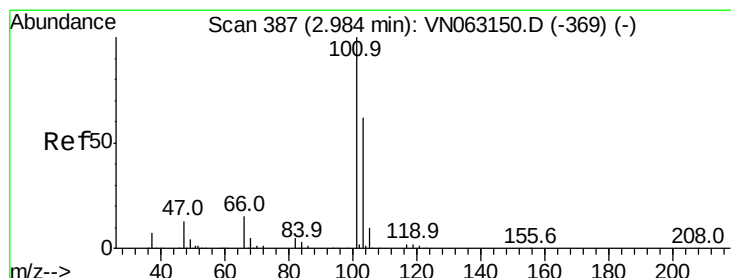
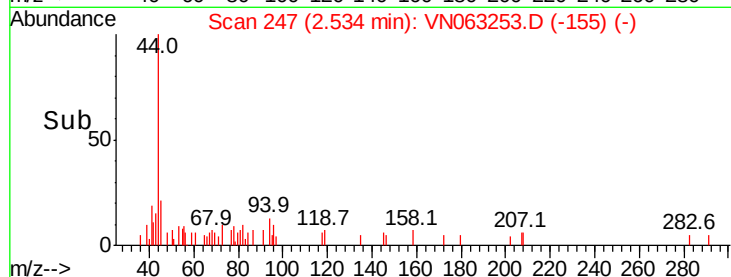
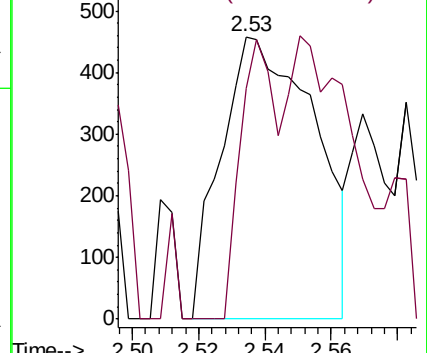
94 100

96 81.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.95 min Scan# 376

Delta R.T. -0.03 min

Lab File: VN063253.D

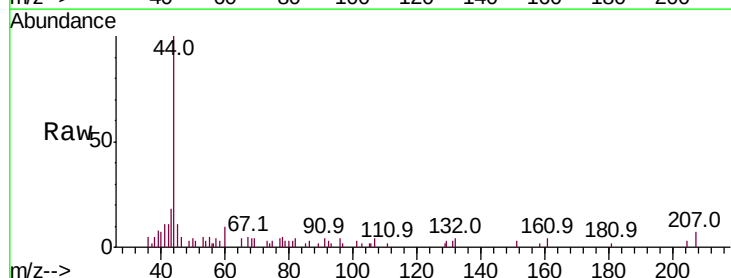
Acq: 4 Sep 2020 17:25

Tgt Ion: 101 Resp: 77

Ion Ratio Lower Upper

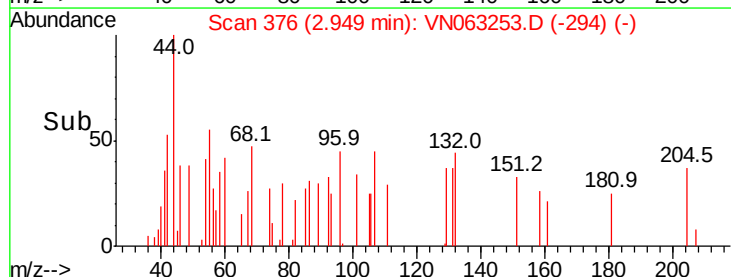
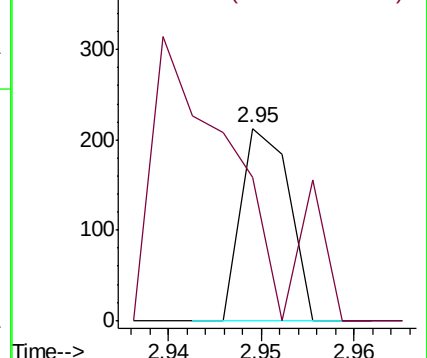
101 100

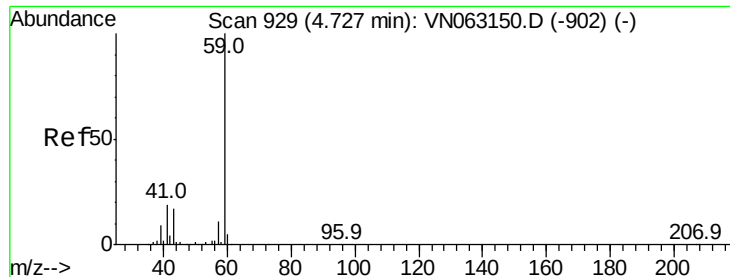
103 74.2 49.7 74.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#11

Tert butyl alcohol

Concen: 1.098 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampled :

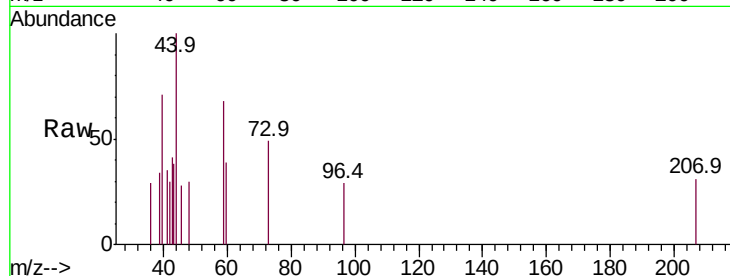
CL-01-090320

Tot Ion: 59 Resp: 637

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



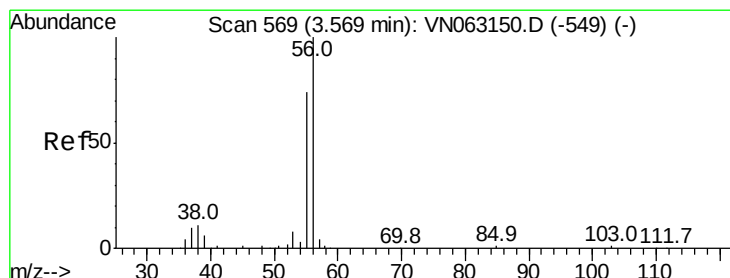
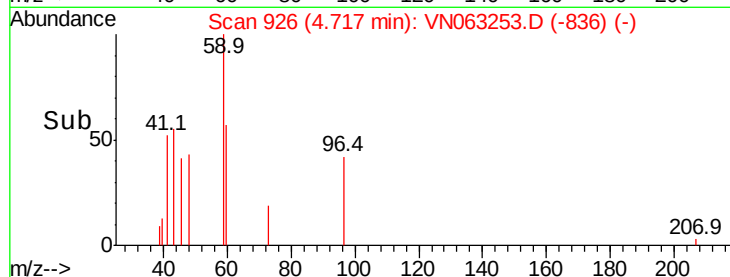
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

4.74

Time-->



#13

Acrolein

Concen: 16.108 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063253.D

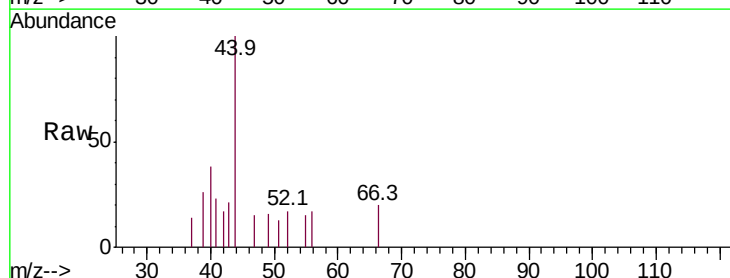
Acq: 4 Sep 2020 17:25

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

56 100

55 235.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250

200

150

100

50

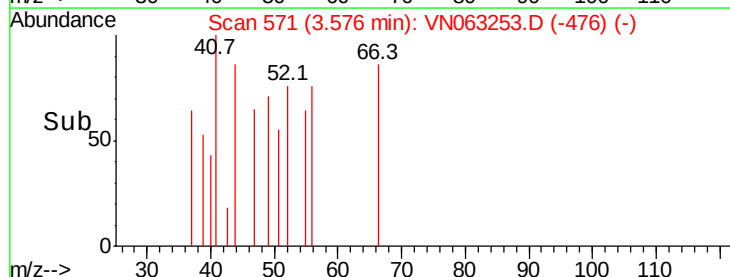
0

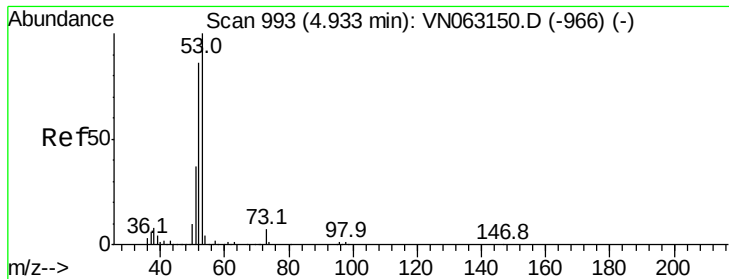
3.57

3.58

3.59

Time-->





#15

Acrylonitrile

Concen: 2.449 ug/l

RT: 4.95 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-090320

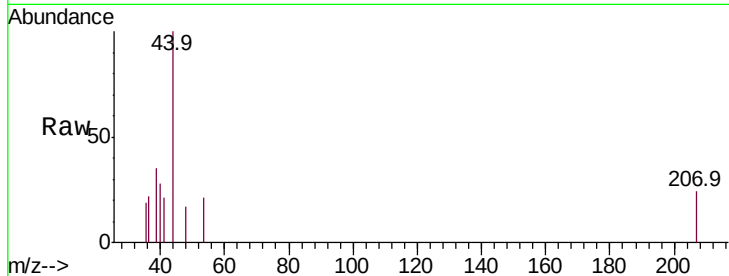
Tot Ion: 53 Resp: 74

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

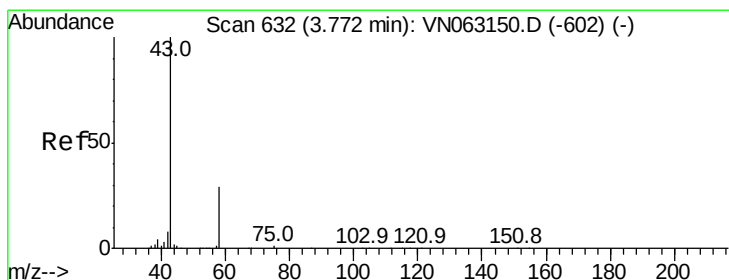
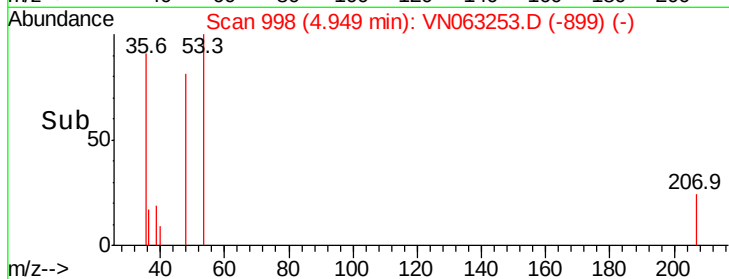
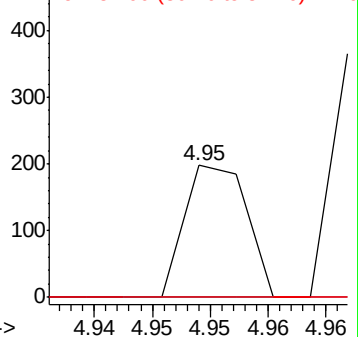
51 0.0 30.2 45.4#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 31.552 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063253.D

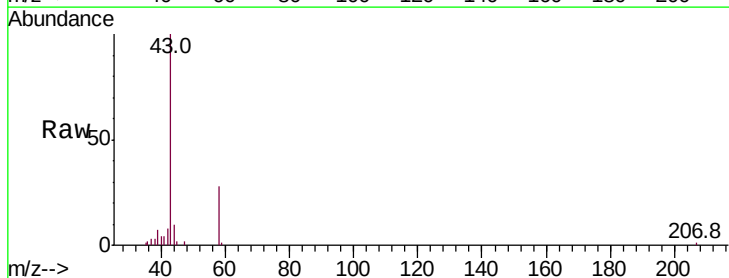
Acq: 4 Sep 2020 17:25

Tgt Ion: 43 Resp: 42410

Ion Ratio Lower Upper

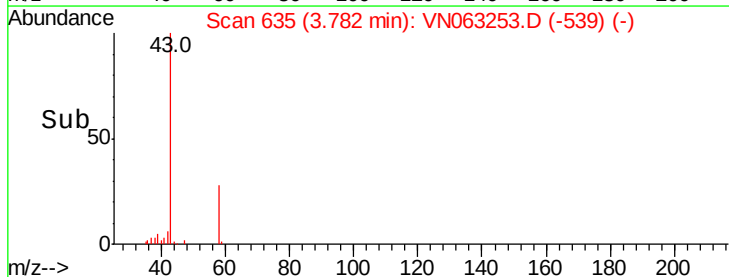
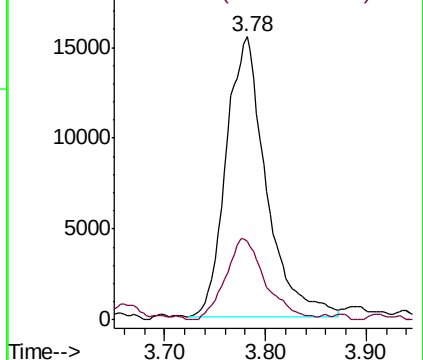
43 100

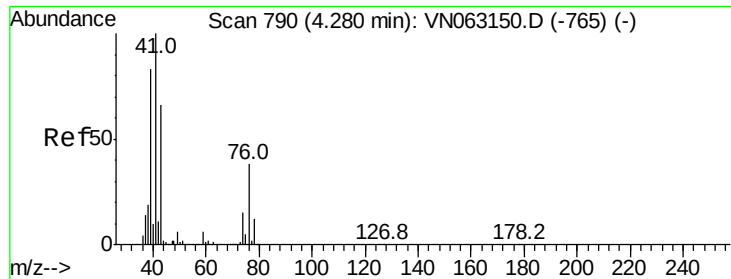
58 28.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

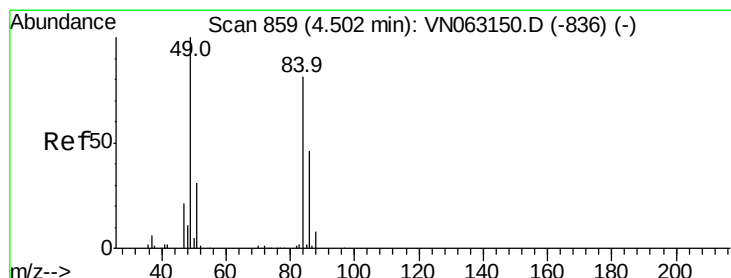
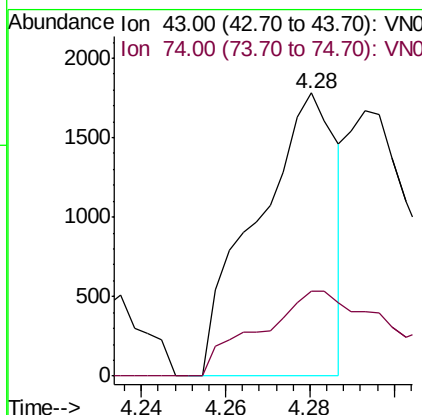
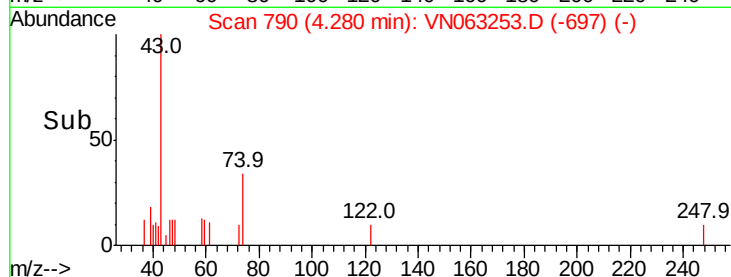
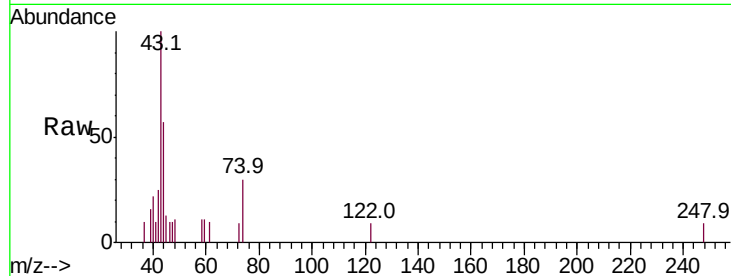




#18  
Methvl Acetate  
Concen: 0.673 ug/l  
RT: 4.28 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

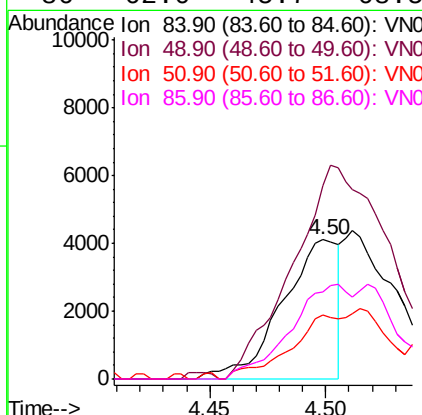
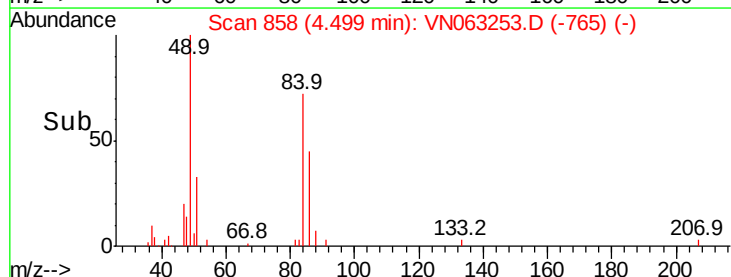
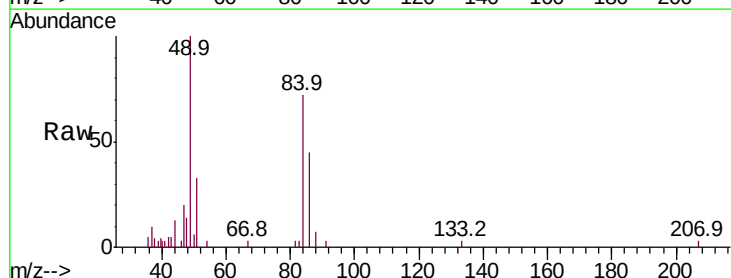
Instrument :  
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ClientSampleId :  
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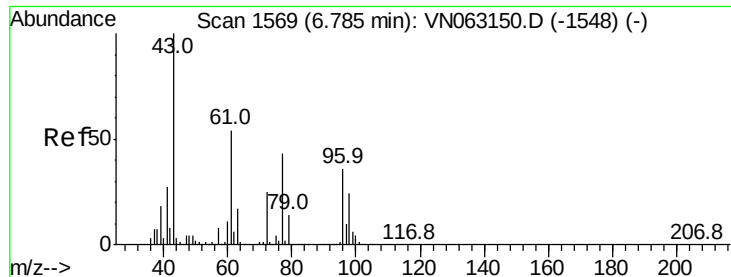
Tot Ion: 43 Resp: 2320  
Ion Ratio Lower Upper  
43 100  
74 44.7 19.0 28.6#



#20  
Methylene Chloride  
Concen: 1.347 ug/l  
RT: 4.50 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

Tgt Ion: 84 Resp: 6900  
Ion Ratio Lower Upper  
84 100  
49 134.3 98.4 147.6  
51 46.1 30.4 45.6#  
86 62.0 45.7 68.5





#25

2-Butanone

Concen: 2.007 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

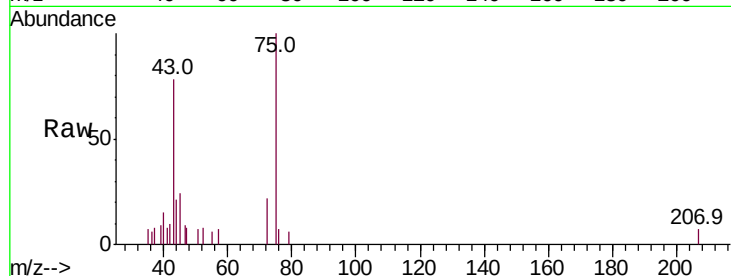
CL-01-090320

Tot Ion: 43 Resp: 4176

Ion Ratio Lower Upper

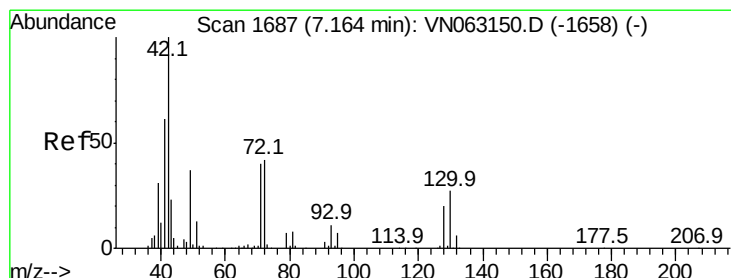
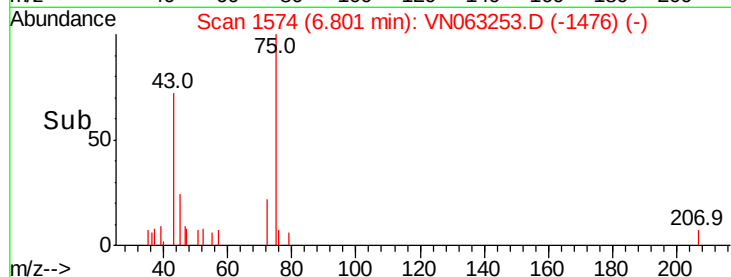
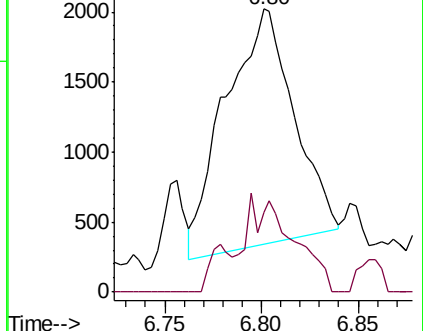
43 100

72 36.6 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN063150.D (-1548) (-)



#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

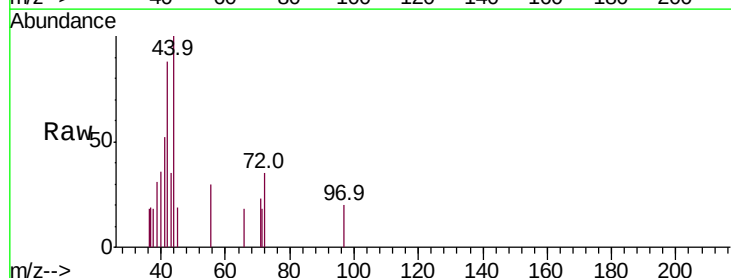
Tgt Ion: 42 Resp: 1596

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

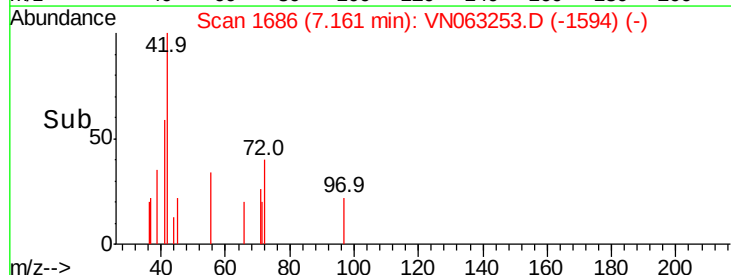
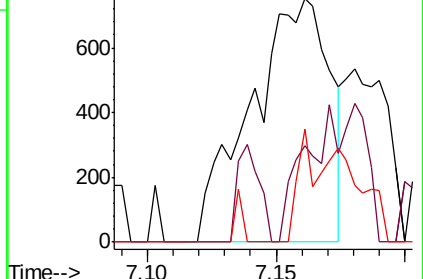
71 11.2 31.9 47.9#



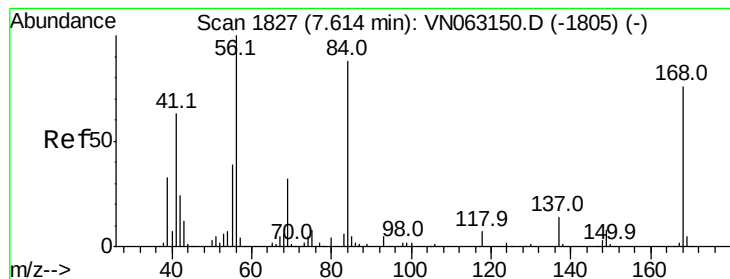
Abundance Ion 42.00 (41.70 to 42.70): VN063150.D (-1658) (-)

Ion 72.00 (71.70 to 72.70): VN063150.D (-1658) (-)

Ion 71.00 (70.70 to 71.70): VN063150.D (-1658) (-)







#31

Cyclohexane

Concen: Below Cal

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063253.D

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CL-01-090320

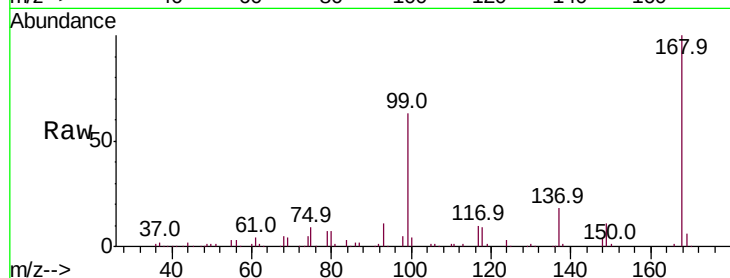
Tot Ion: 56 Resp: 8204

Ion Ratio Lower Upper

56 100

69 126.4 25.4 38.0#

84 121.6 70.2 105.4#

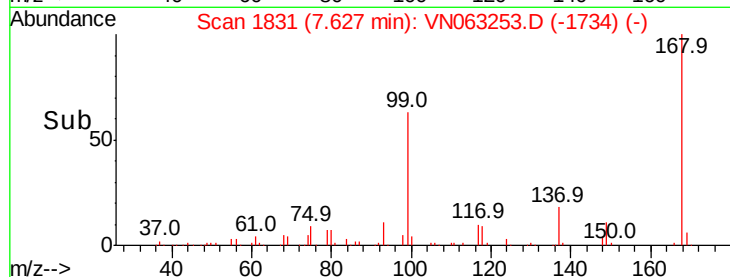


Abundance Ion 56.00 (55.70 to 56.70): VN063150.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063150.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063150.D (-1805) (-)

Time-->

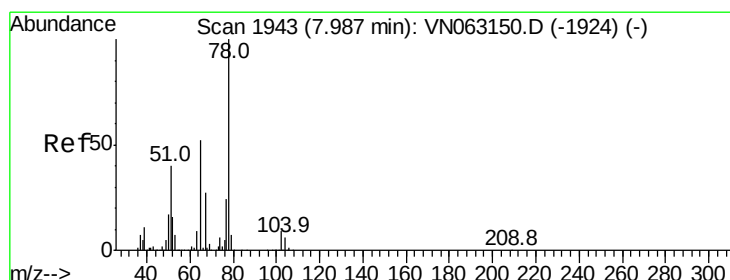


Abundance Ion 56.00 (55.70 to 56.70): VN063253.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063253.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063253.D (-1734) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.793 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063253.D

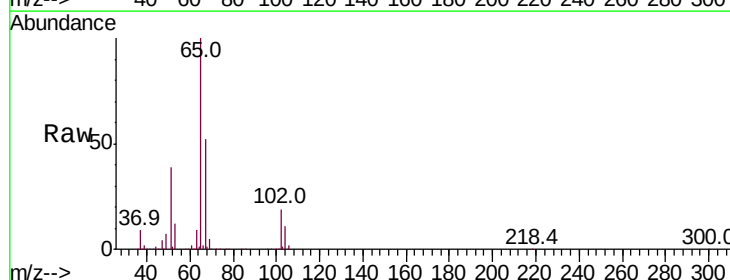
Acq: 4 Sep 2020 17:25

Tgt Ion: 65 Resp: 225979

Ion Ratio Lower Upper

65 100

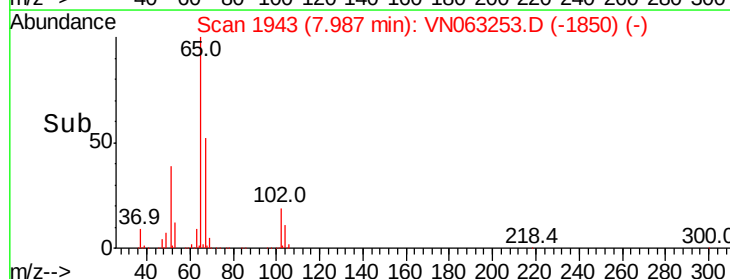
67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063150.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063150.D (-1924) (-)

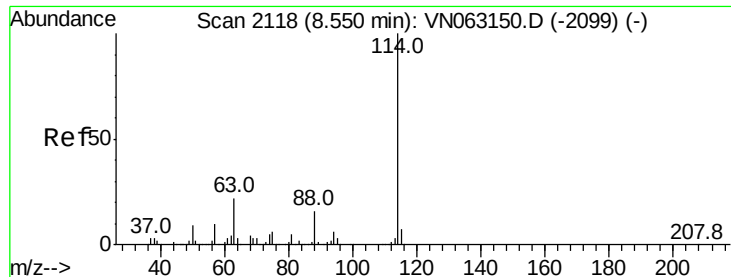
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN063253.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063253.D (-1850) (-)

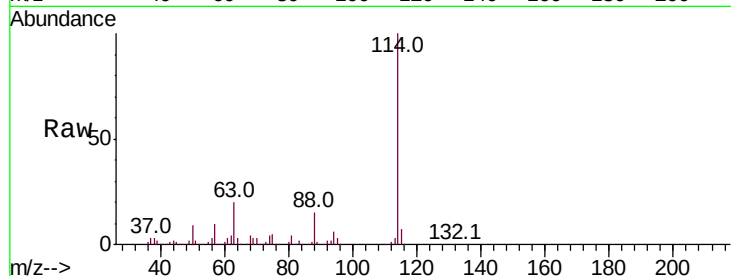
Time-->



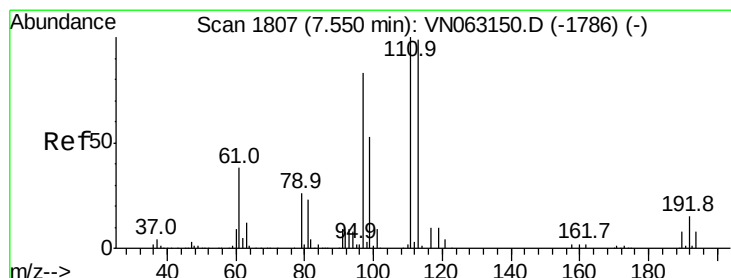
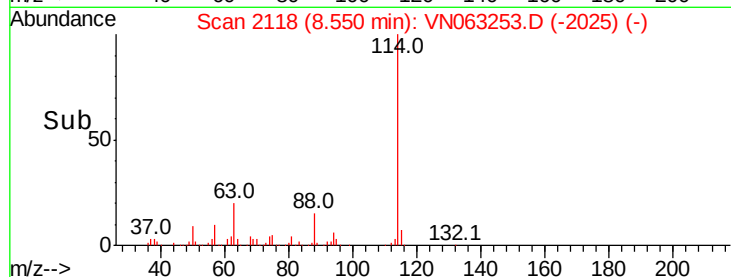
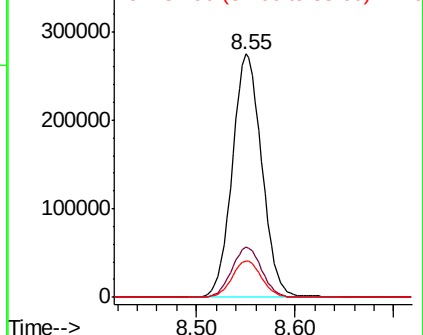
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN063253.D  
 Acq: 4 Sep 2020 17:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-090320

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.5  | 0.0   | 43.0  |
| 88      | 15.1  | 0.0   | 31.6  |

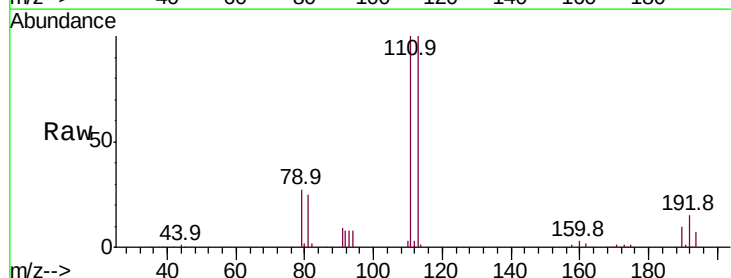


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

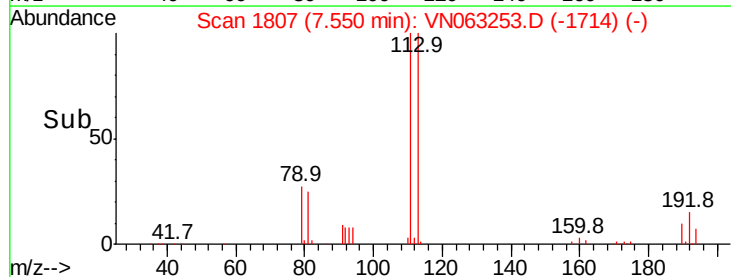
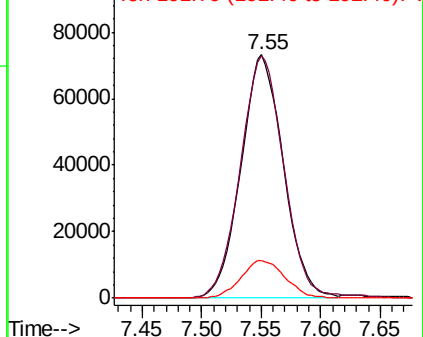


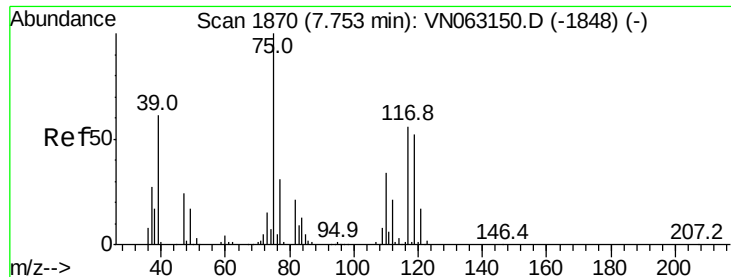
#35  
 Dibromofluoromethane  
 Concen: 49.243 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063253.D  
 Acq: 4 Sep 2020 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 80.7  | 121.1 |
| 192     | 16.3  | 12.6  | 19.0  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-090320

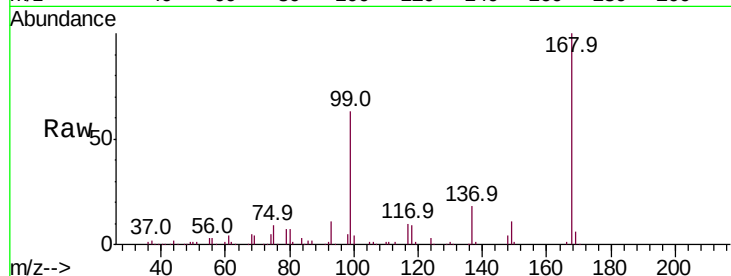
Tot Ion: 75 Resp: 25756

Ion Ratio Lower Upper

75 100

110 3.8 16.6 49.8#

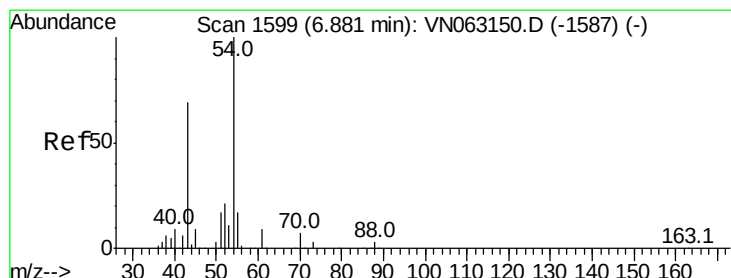
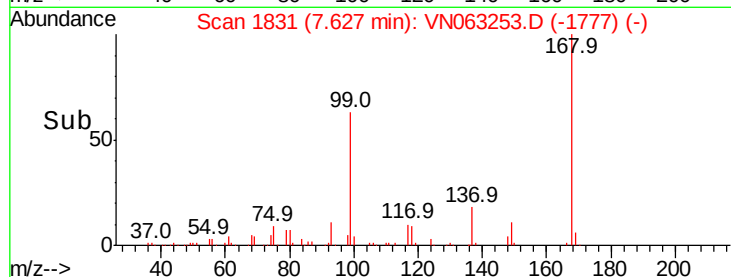
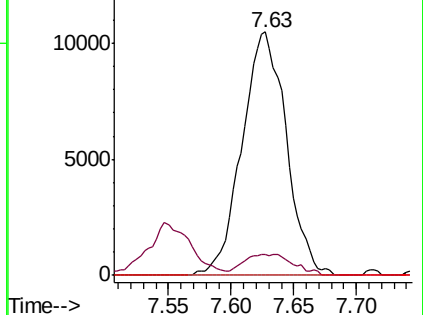
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.430 ug/l

RT: 6.90 min Scan# 1606

Delta R.T. 0.02 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

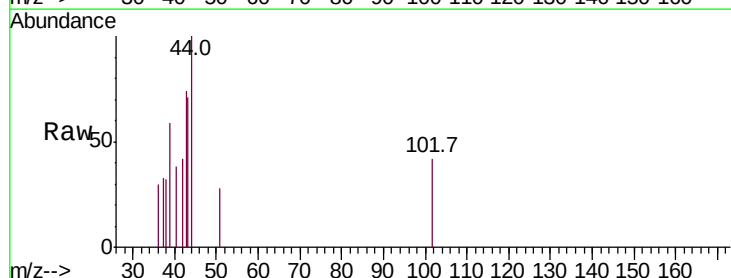
Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

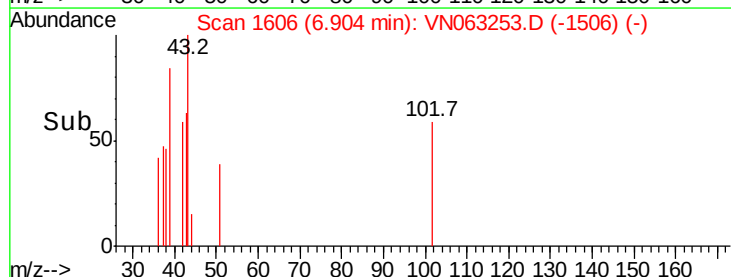
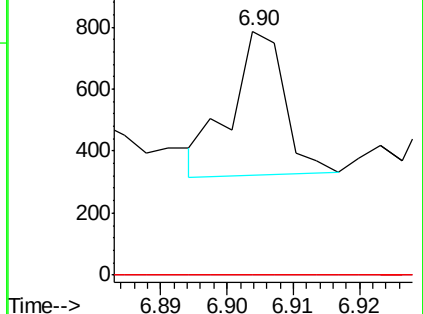
70 0.0 3.0 4.6#

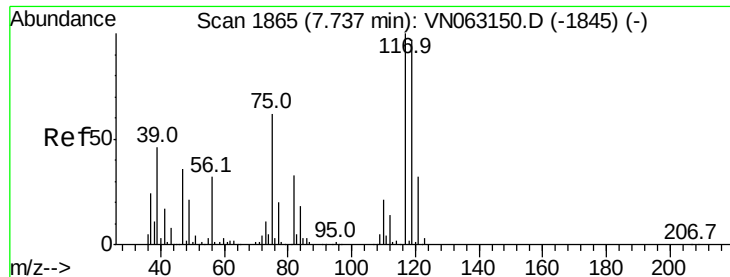


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.507 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-090320

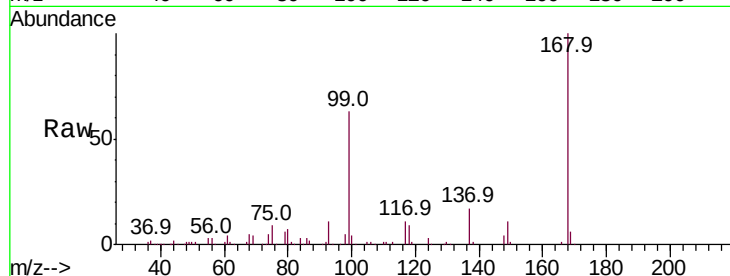
Tot Ion:117 Resp: 30698

Ion Ratio Lower Upper

117 100

119 7.0 77.2 115.8#

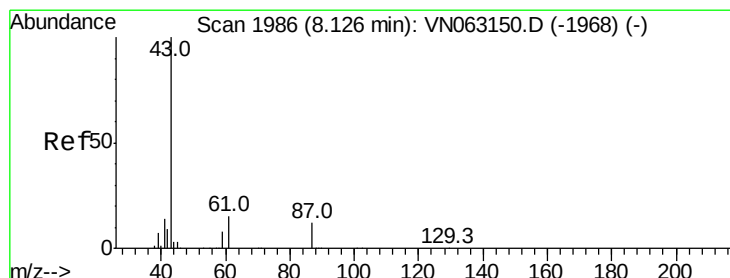
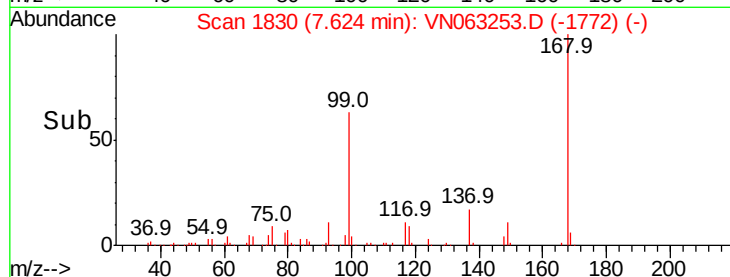
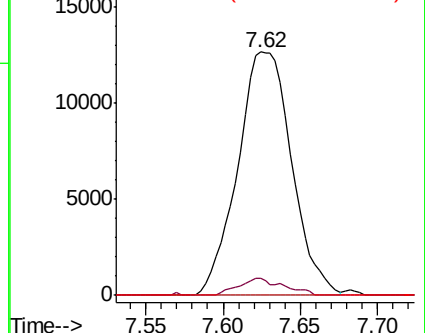
121 0.0 25.6 38.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.232 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

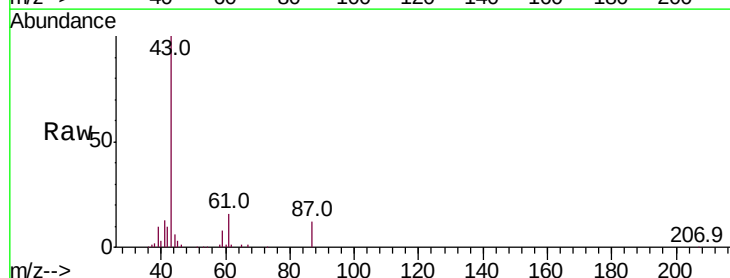
Tgt Ion: 43 Resp: 82754

Ion Ratio Lower Upper

43 100

61 18.3 20.2 30.4#

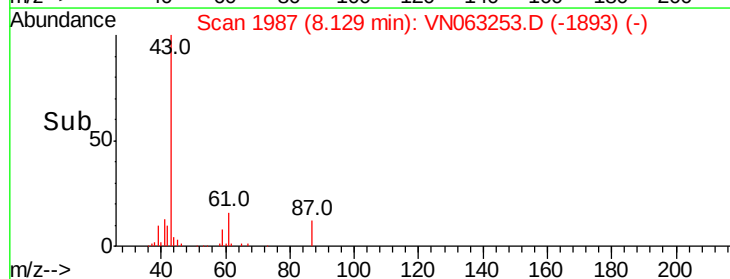
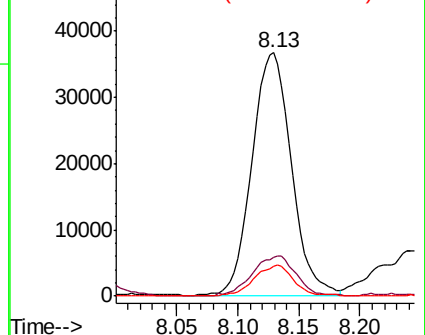
87 12.6 9.8 14.6

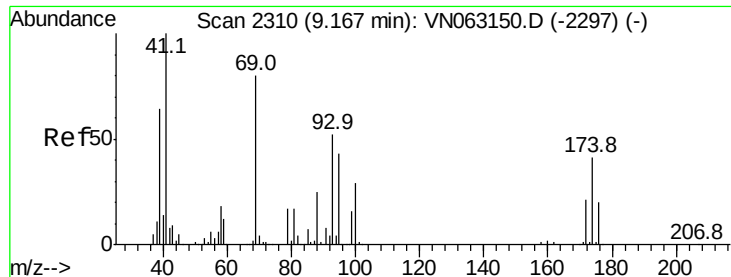


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

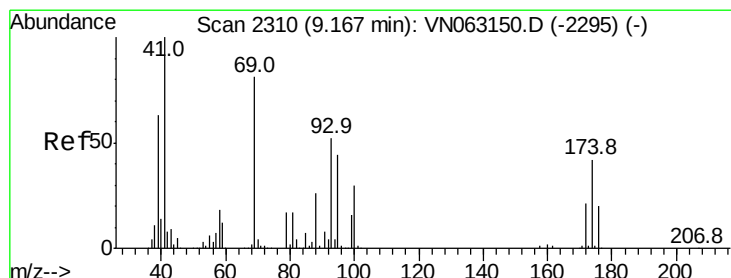
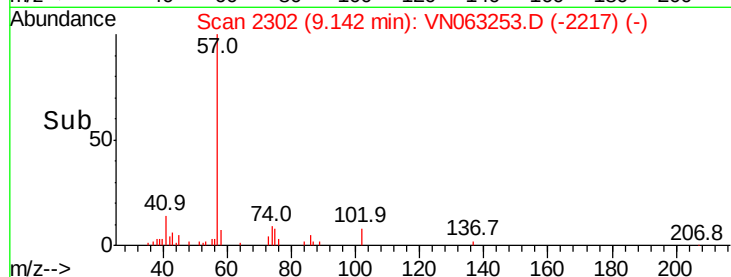
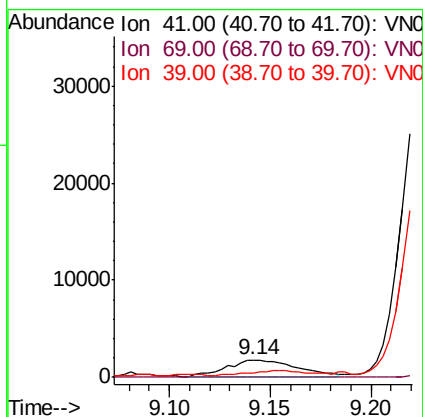
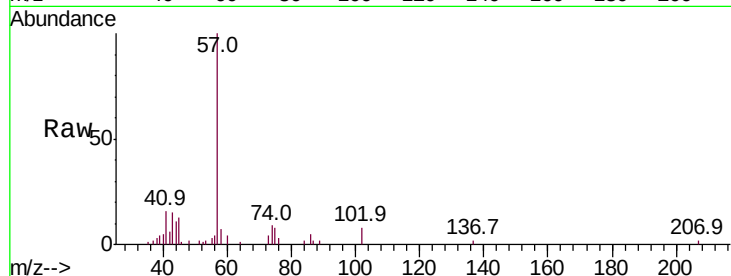




#48  
Methvl methacrylate  
Concen: 1.116 ug/l  
RT: 9.14 min Scan# 2302  
Delta R.T. -0.03 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

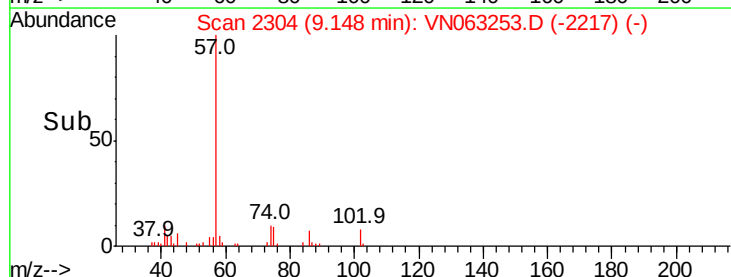
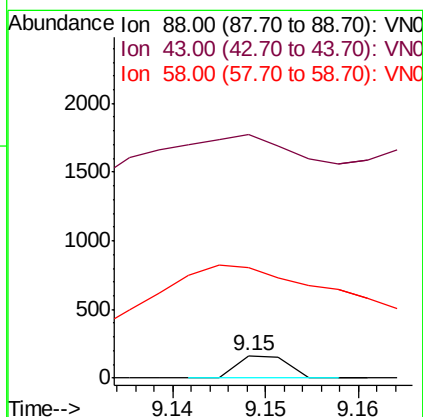
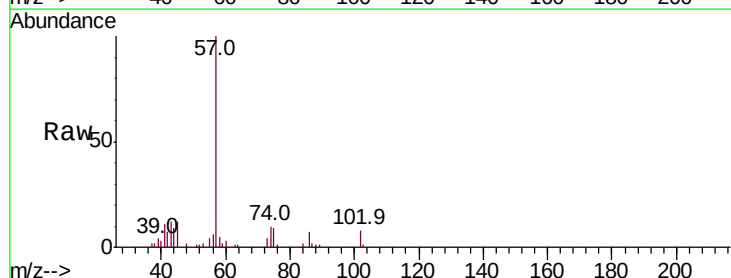
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-090320

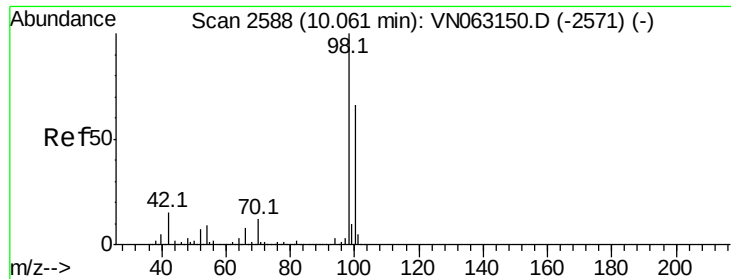
Tot Ion: 41 Resp: 4511  
Ion Ratio Lower Upper  
41 100  
69 0.0 65.9 98.9#  
39 0.0 52.0 78.0#



#49  
1,4-Dioxane  
Concen: 0.976 ug/l  
RT: 9.15 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

Tgt Ion: 88 Resp: 61  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.6 42.8#  
58 2788.5 53.2 79.8#

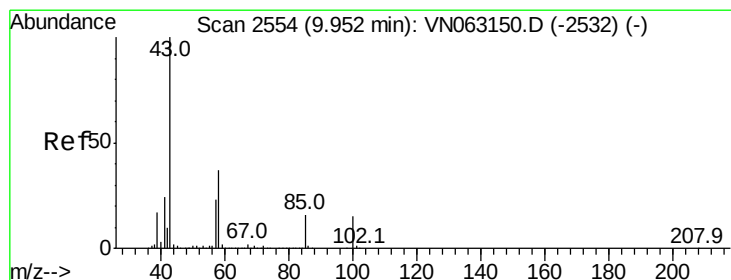
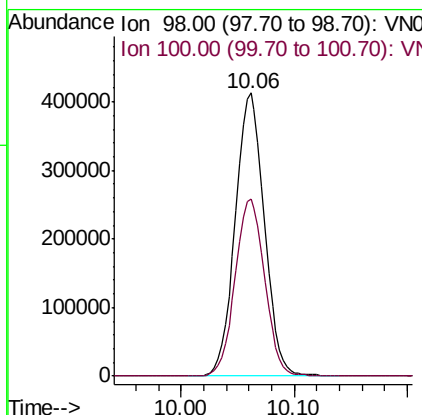
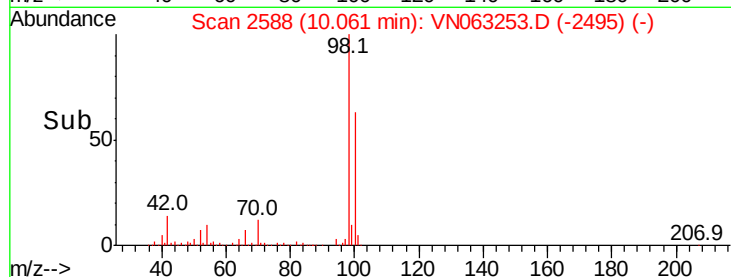
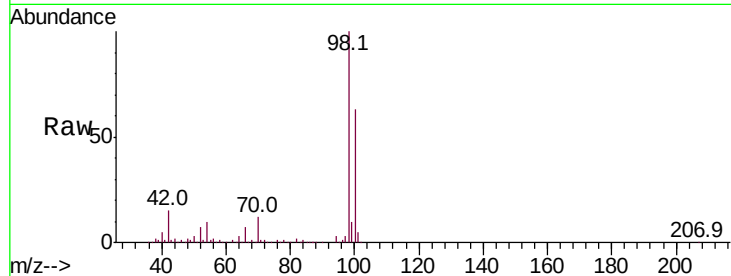




#50  
Toluene-d8  
Concen: 52.446 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

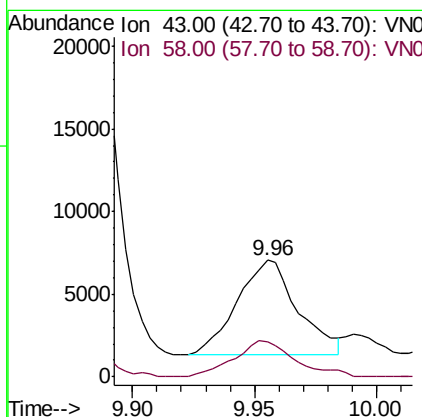
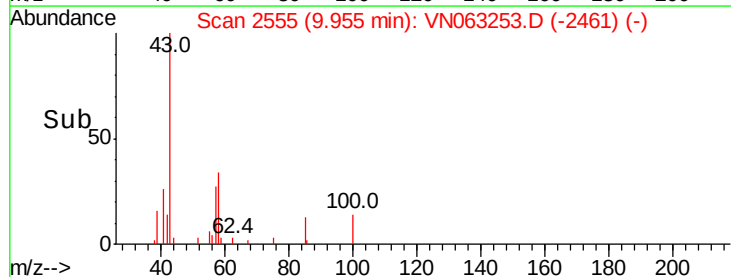
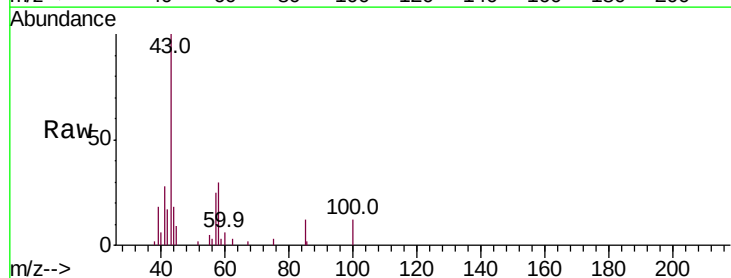
Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-090320

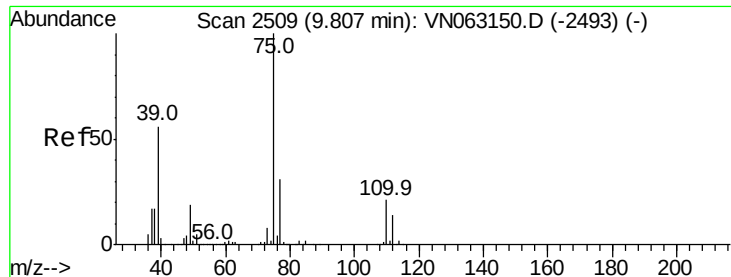
Tot Ion: 98 Resp: 740407  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 2.010 ug/l  
RT: 9.96 min Scan# 2555  
Delta R.T. 0.00 min  
Lab File: VN063253.D  
Acq: 4 Sep 2020 17:25

Tgt Ion: 43 Resp: 9788  
Ion Ratio Lower Upper  
43 100  
58 39.1 29.2 43.8





#54

cis-1,3-Dichloropropene

Concen: 4.841 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampled :

CL-01-090320

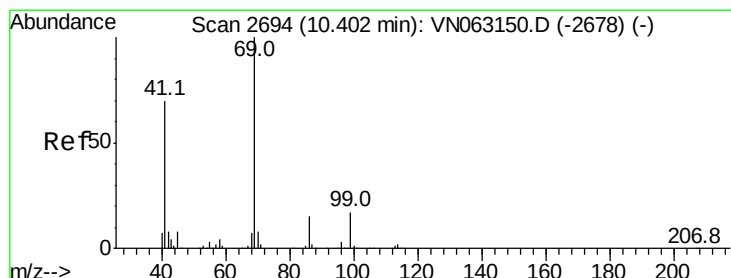
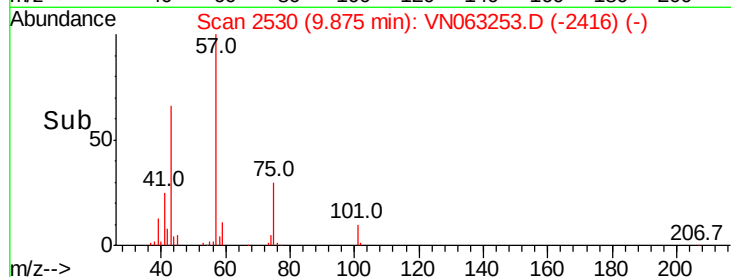
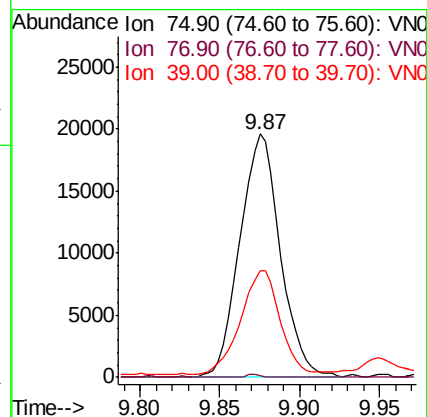
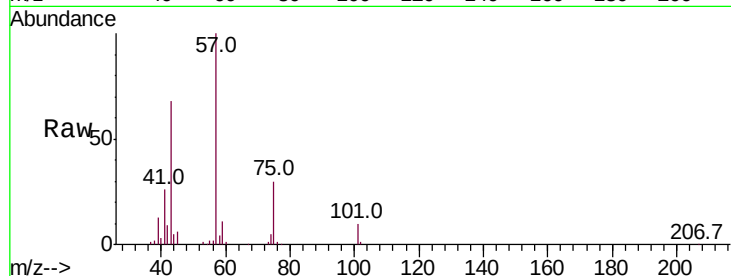
Tot Ion: 75 Resp: 33762

Ion Ratio Lower Upper

75 100

77 0.9 24.8 37.2#

39 42.8 45.0 67.6#



#56

Ethyl methacrylate

Concen: 0.306 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

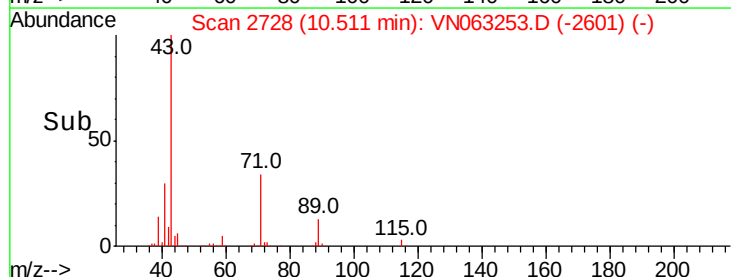
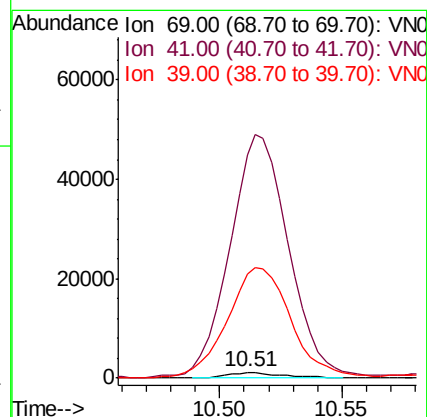
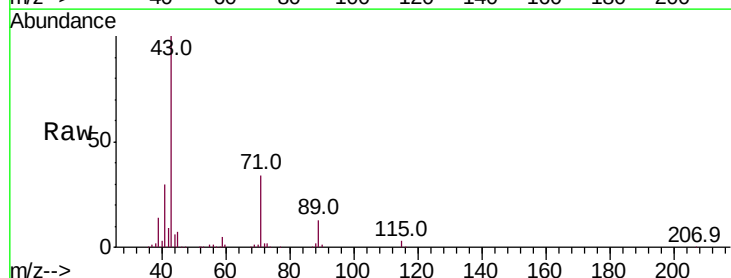
Tgt Ion: 69 Resp: 1793

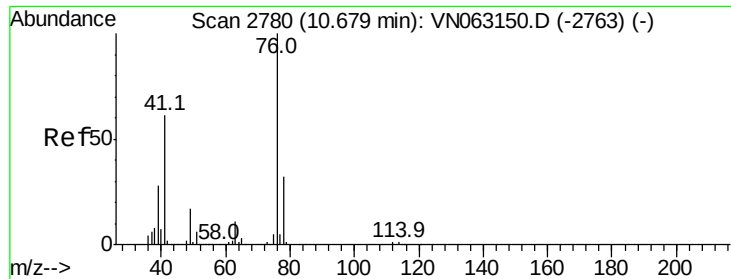
Ion Ratio Lower Upper

69 100

41 4541.9 55.5 83.3#

39 2253.9 38.2 57.2#





#57

1,3-Dichloropropane

Concen: 0.865 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

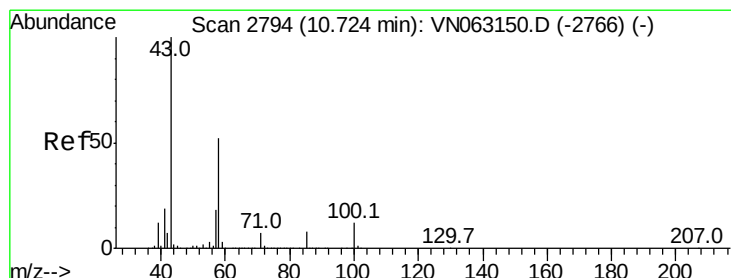
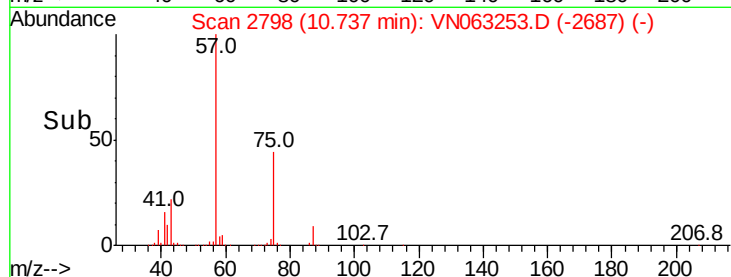
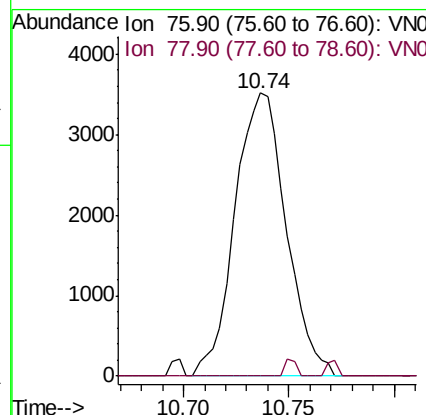
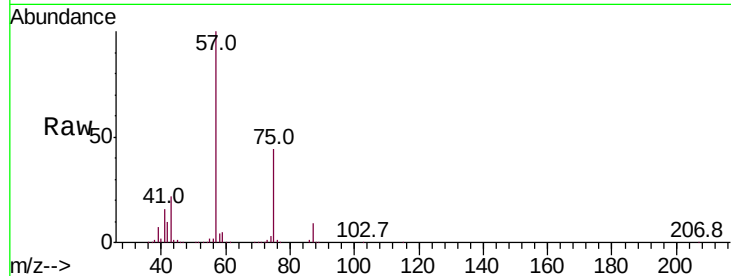
Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
CL-01-090320

Tot Ion: 76 Resp: 5940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 1.3   | 25.5  | 38.3# |



#59

2-Hexanone

Concen: 24.783 ug/l

RT: 10.74 min Scan# 2798

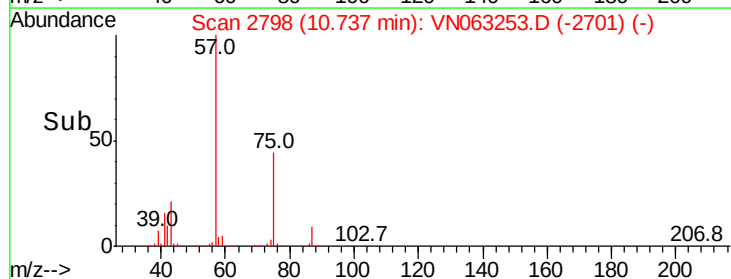
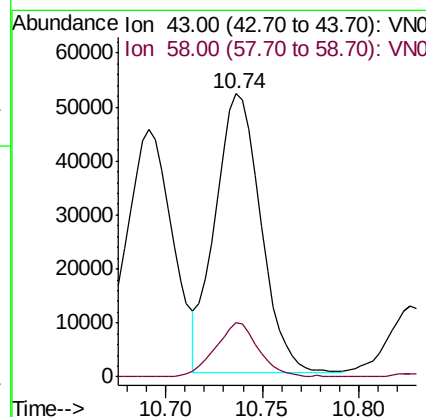
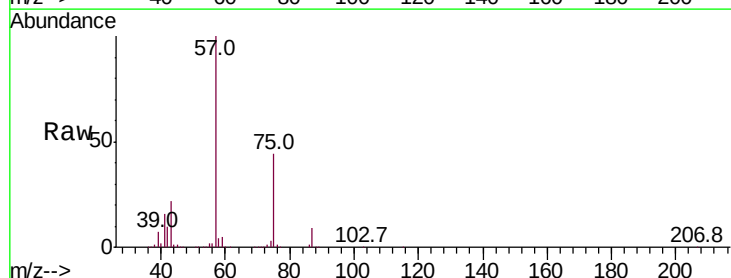
Delta R.T. 0.01 min

Lab File: VN063253.D

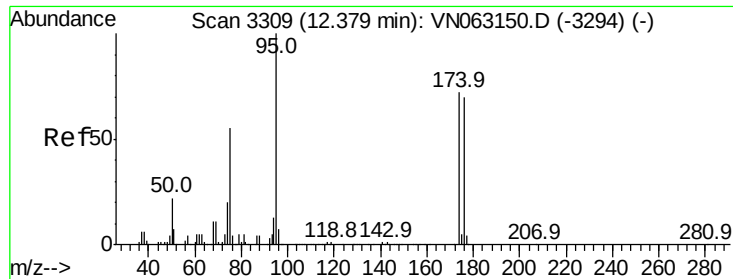
Acq: 4 Sep 2020 17:25

Tgt Ion: 43 Resp: 84837

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 18.4  | 25.9  | 77.8# |







#62

4-Bromofluorobenzene

Concen: 51.302 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-090320

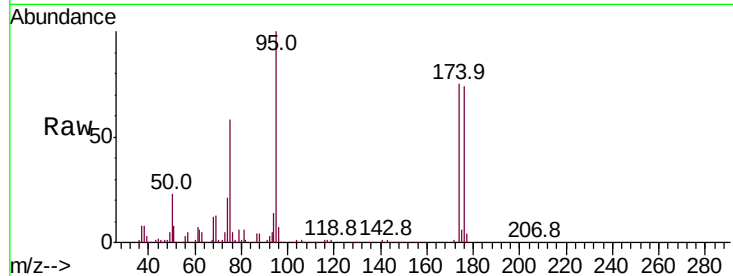
Tot Ion: 95 Resp: 253349

Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.8

176 73.3 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

200000

150000

100000

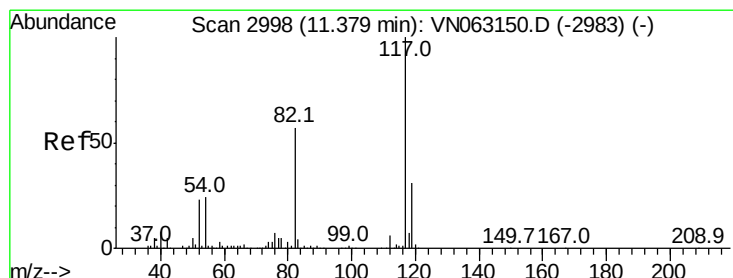
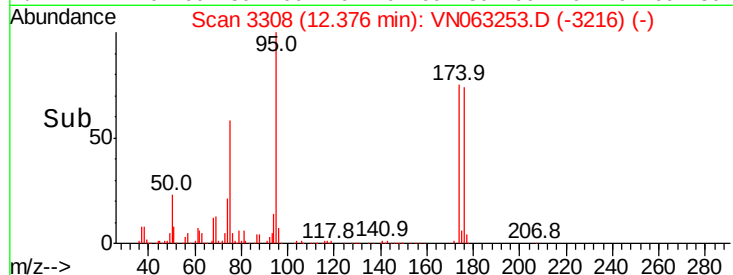
50000

0

12.30

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

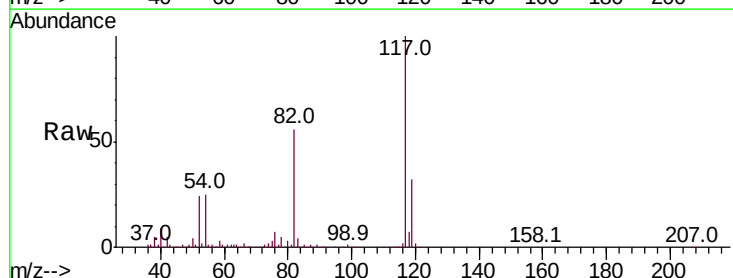
Tgt Ion: 117 Resp: 586417

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.0

119 32.3 24.6 37.0



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

400000

300000

200000

100000

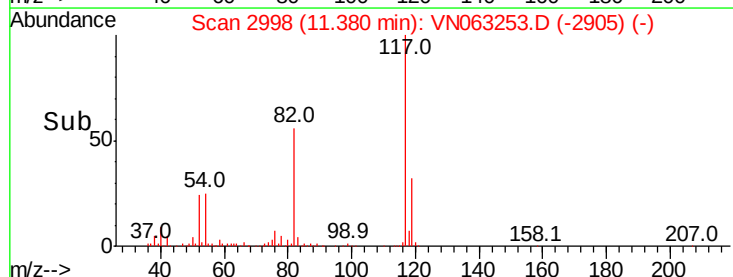
0

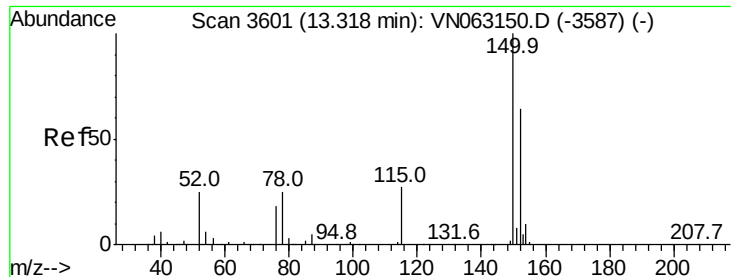
11.30

11.40

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampled :

CL-01-090320

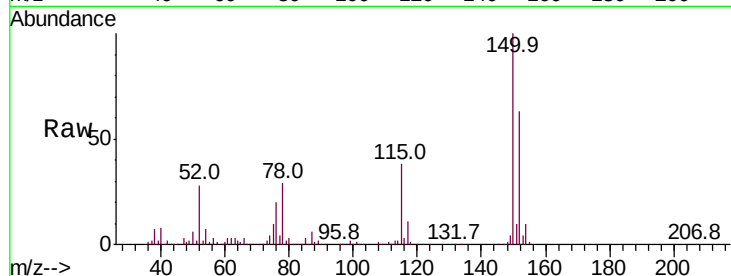
Tot Ion:152 Resp: 224887

Ion Ratio Lower Upper

152 100

115 60.8 32.0 96.2

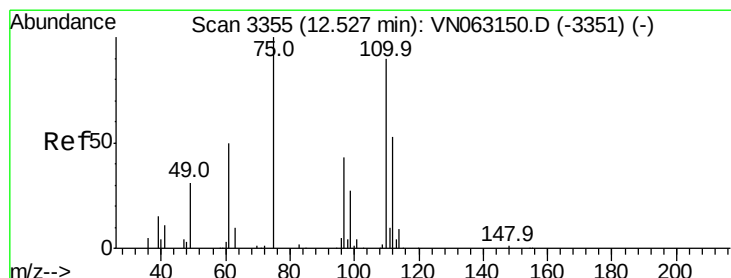
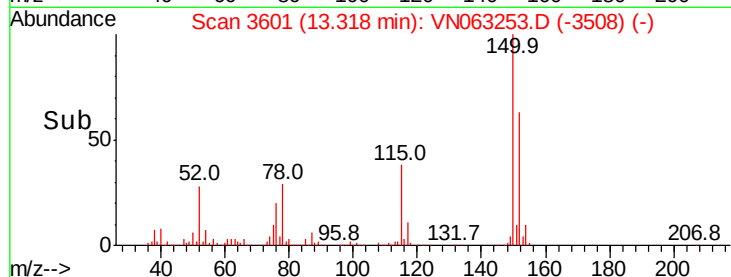
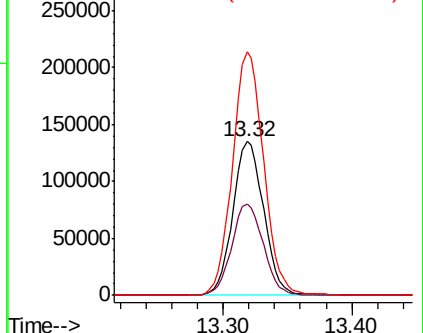
150 160.2 0.0 353.0



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: 33.358 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063253.D

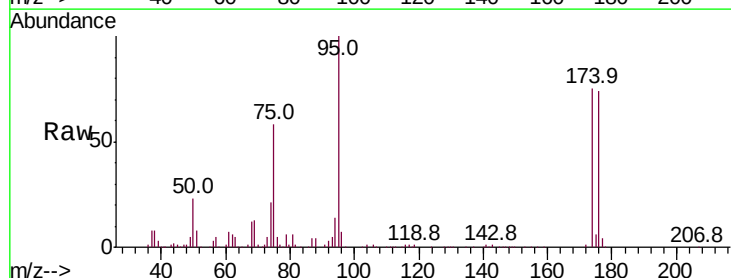
Acq: 4 Sep 2020 17:25

Tgt Ion: 75 Resp: 147396

Ion Ratio Lower Upper

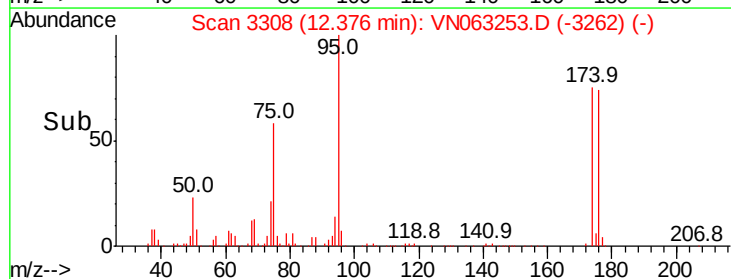
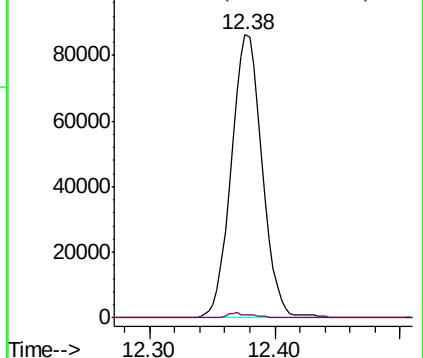
75 100

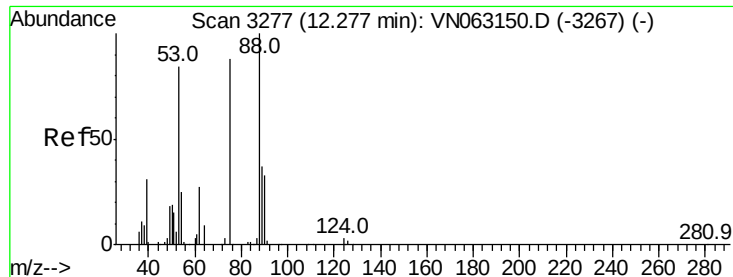
77 1.6 0.0 0.0#



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: 80.627 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063253.D

Acq: 4 Sep 2020 17:25

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-090320

Tot Ion: 75 Resp: 147396

Ion Ratio Lower Upper

75 100

53 0.0 78.7 118.1#

89 0.1 35.3 52.9#

