

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\  
 Data File : VN064331.D  
 Acq On : 27 Oct 2020 17:15  
 Operator : JC/MD  
 Sample : PB132597TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132597TB

Quant Time: Oct 28 04:27:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 211925   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 376784   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 376751   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 157635   | 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   | 171701   | 50.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.84% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 124611   | 49.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.18%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 468997   | 50.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.92% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 202175   | 55.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.58% |          |

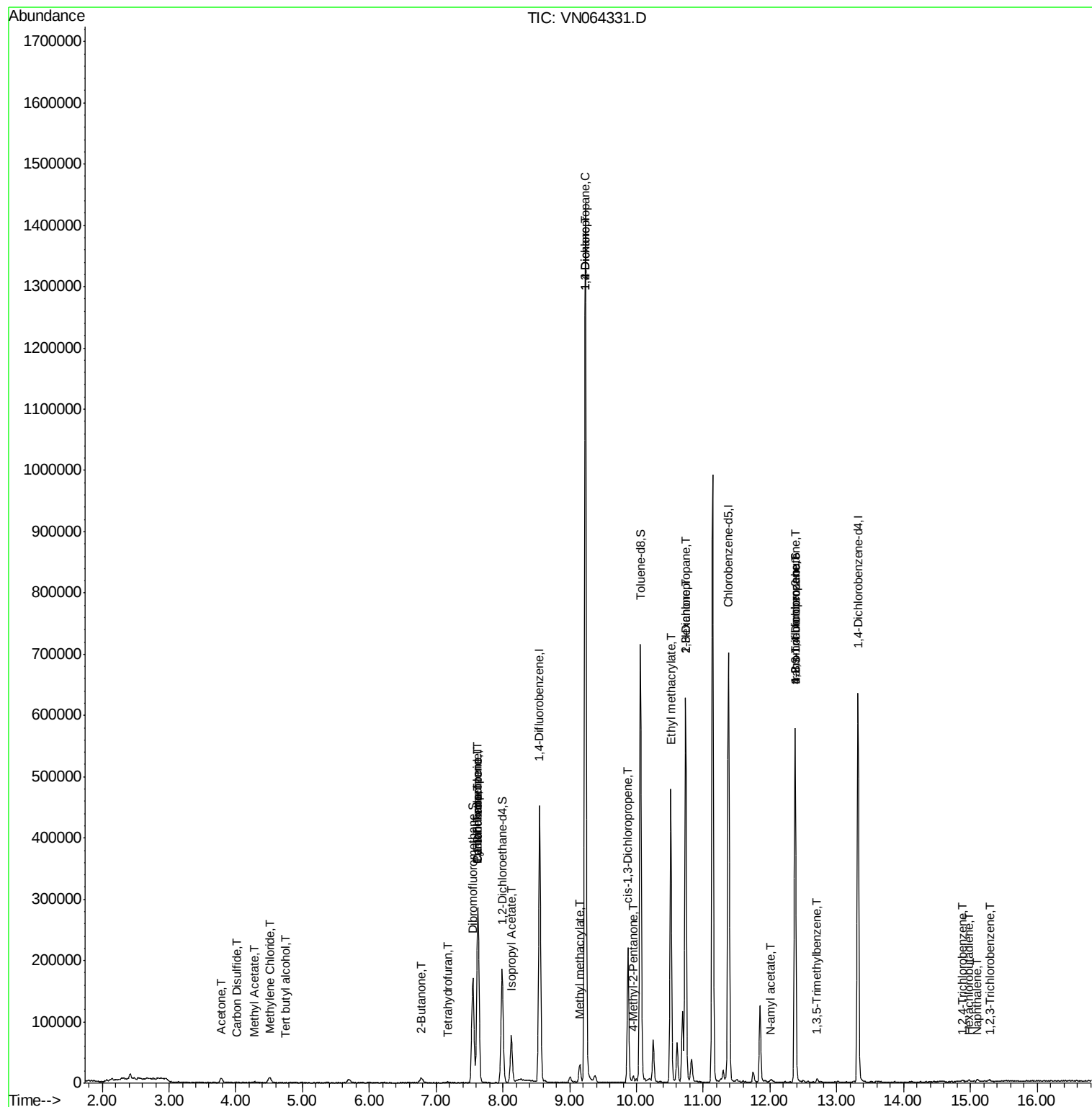
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.76  | 59   | 164      | 0.332  | ug/l # | 70     |
| 16) Acetone                    | 3.79  | 43   | 13168    | 4.116  | ug/l   | 97     |
| 17) Carbon Disulfide           | 4.01  | 76   | 1886     | 0.315  | ug/l # | 75     |
| 18) Methyl Acetate             | 4.28  | 43   | 3382     | 1.322  | ug/l # | 74     |
| 20) Methylene Chloride         | 4.51  | 84   | 6350     | 2.629  | ug/l   | 88     |
| 25) 2-Butanone                 | 6.79  | 43   | 729      | 0.426  | ug/l # | 52     |
| 29) Tetrahydrofuran            | 7.17  | 42   | 536      | 0.483  | ug/l # | 81     |
| 31) Cyclohexane                | 7.63  | 56   | 5740     | 1.452  | ug/l # | 44     |
| 36) 1,1-Dichloropropene        | 7.62  | 75   | 18754    | 4.932  | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.62  | 117  | 24029    | 5.451  | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.13  | 43   | 90007    | 13.708 | ug/l # | 90     |
| 45) 1,2-Dichloropropane        | 9.23  | 63   | 1257     | 0.443  | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.14  | 41   | 4961     | 1.464  | ug/l # | 15     |
| 49) 1,4-Dioxane                | 9.23  | 88   | 102      | 2.043  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.96  | 43   | 7822     | 2.049  | ug/l   | 93     |
| 54) cis-1,3-Dichloropropene    | 9.87  | 75   | 36280    | 7.585  | ug/l # | 64     |
| 56) Ethyl methacrylate         | 10.51 | 69   | 1436     | 0.360  | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.74 | 76   | 6306     | 1.402  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.74 | 43   | 99891    | 35.536 | ug/l # | 52     |
| 74) N-amyl acetate             | 12.00 | 43   | 1887     | 0.363  | ug/l # | 46     |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 112609   | 29.831 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.70 | 105  | 2768     | 0.277  | ug/l   | 89     |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 112609   | 85.928 | ug/l # | 8      |
| 93) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 528      | 2.193  | ug/l # | 68     |
| 94) Hexachlorobutadiene        | 14.97 | 225  | 351      | 0.227  | ug/l # | 69     |
| 95) Naphthalene                | 15.10 | 128  | 3186     | 2.733  | ug/l # | 79     |
| 96) 1,2,3-Trichlorobenzene     | 15.29 | 180  | 921      | 2.498  | ug/l   | 84     |

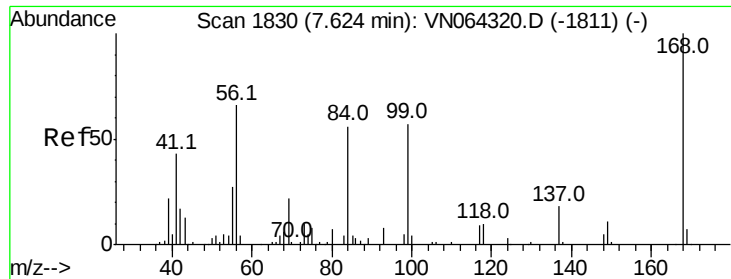
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102720\  
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PB132597TB

Quant Time: Oct 28 04:27:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 27 12:23:17 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: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

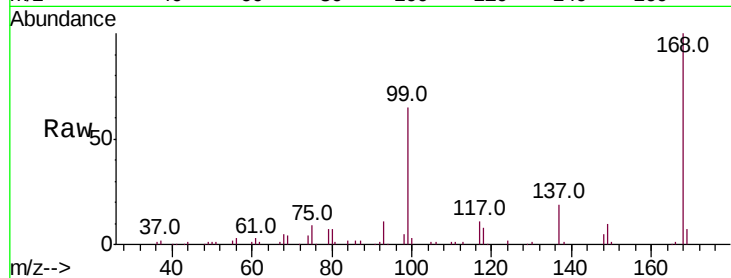
PB132597TB

Tot Ion:168 Resp: 211925

Ion Ratio Lower Upper

168 100

99 65.1 52.7 79.1



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

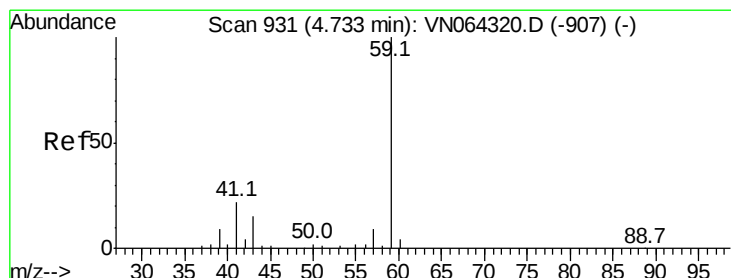
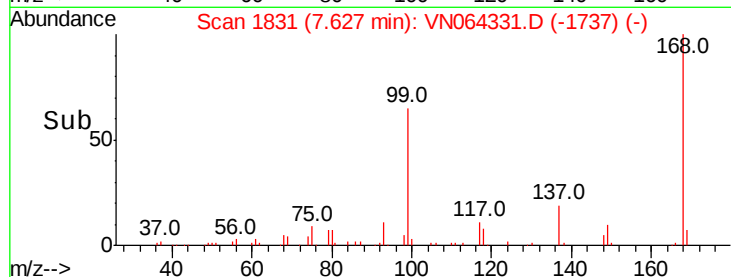
0

Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 0.332 ug/l

RT: 4.76 min Scan# 938

Delta R.T. 0.02 min

Lab File: VN064331.D

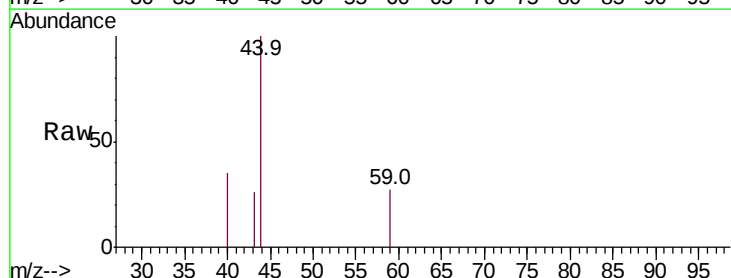
Acq: 27 Oct 2020 17:15

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

200

150

100

50

0

Time-->

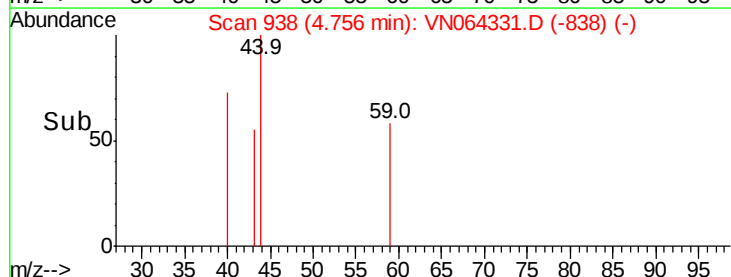
4.73

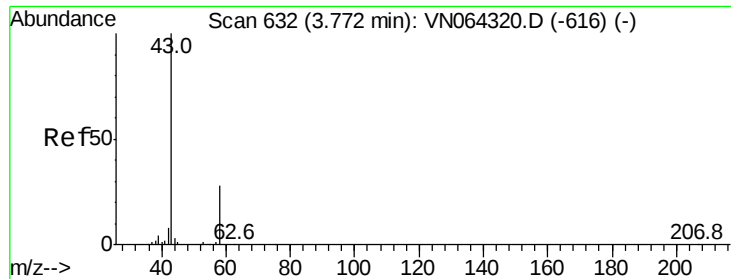
4.74

4.75

4.76

4.77





#16

Acetone

Concen: 4.116 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

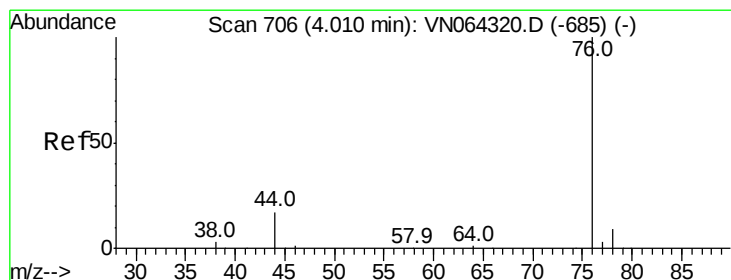
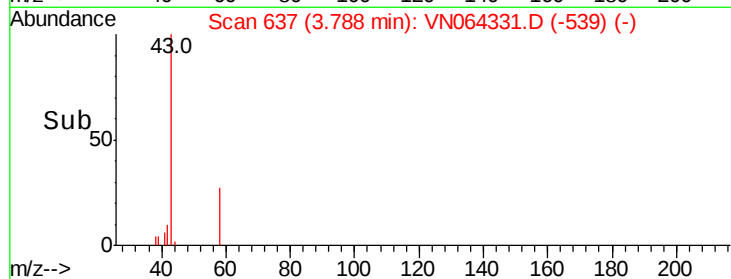
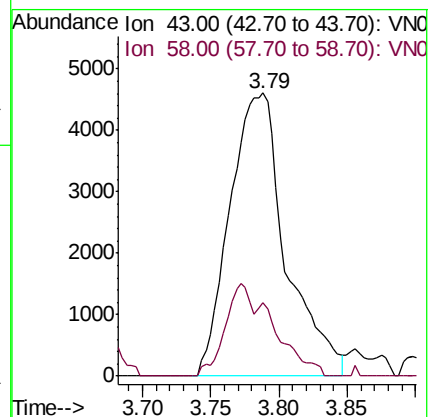
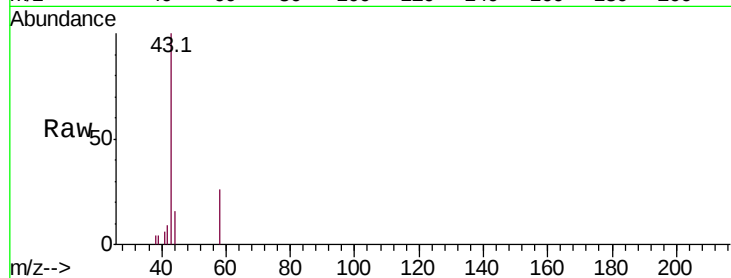
PB132597TB

Tot Ion: 43 Resp: 13168

Ion Ratio Lower Upper

43 100

58 26.2 22.1 33.1



#17

Carbon Disulfide

Concen: 0.315 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064331.D

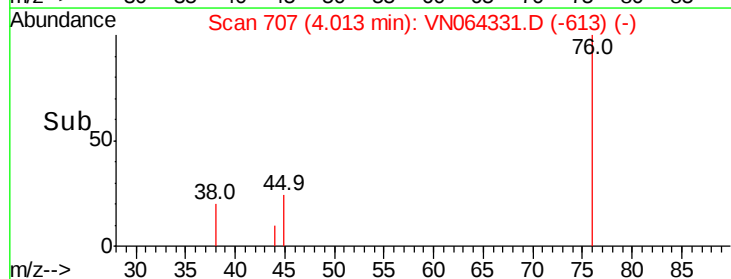
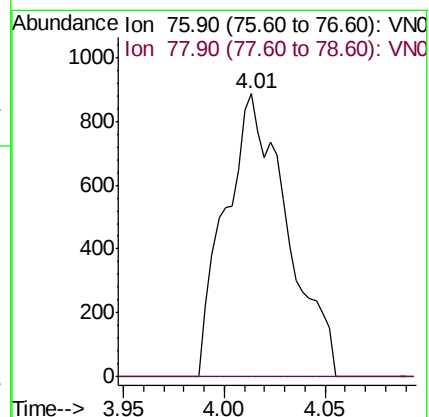
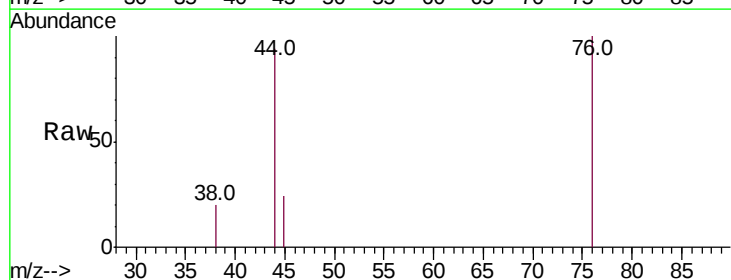
Acq: 27 Oct 2020 17:15

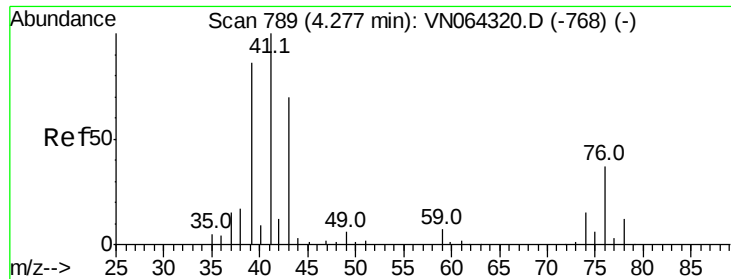
Tgt Ion: 76 Resp: 1886

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

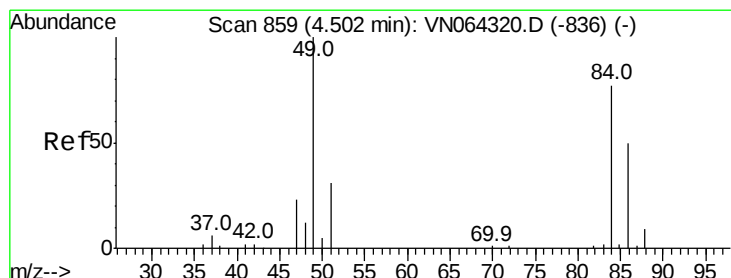
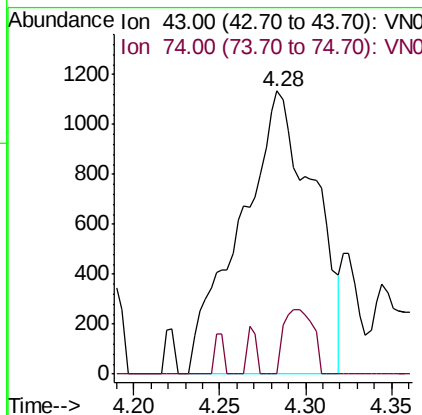
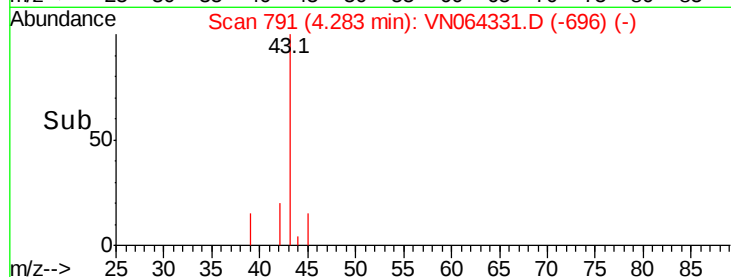
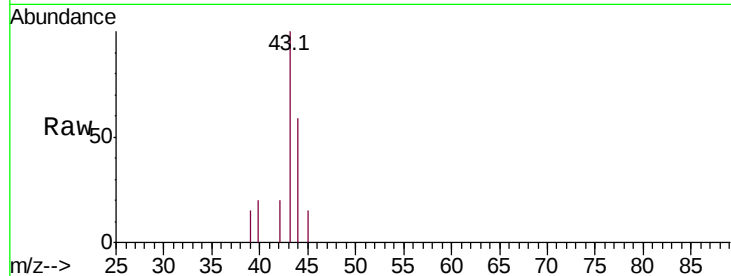




#18  
Methyl Acetate  
Concen: 1.322 ug/l  
RT: 4.28 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

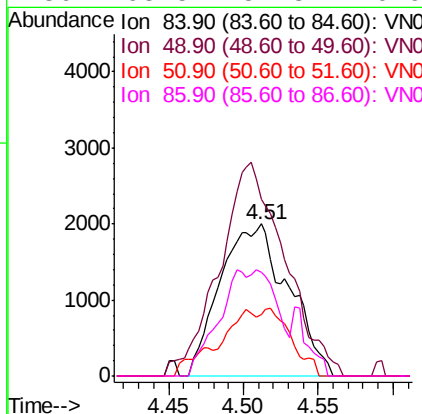
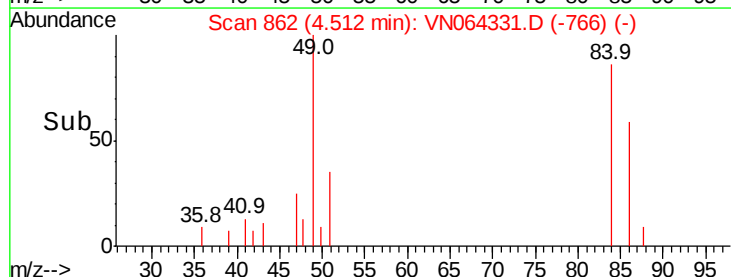
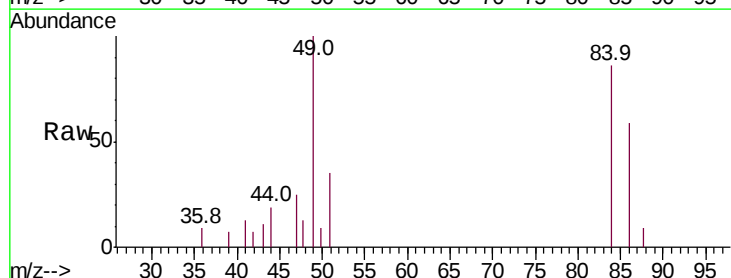
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132597TB

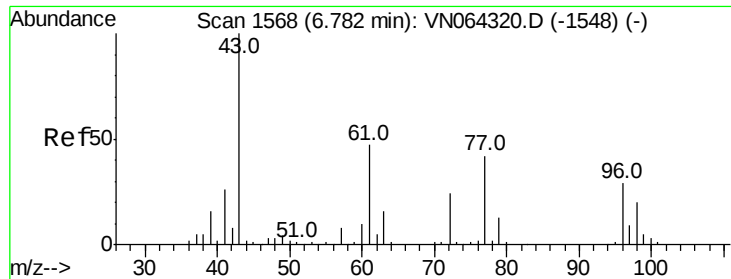
Tot Ion: 43 Resp: 3382  
Ion Ratio Lower Upper  
43 100  
74 9.0 16.7 25.1#



#20  
Methylene Chloride  
Concen: 2.629 ug/l  
RT: 4.51 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

Tgt Ion: 84 Resp: 6350  
Ion Ratio Lower Upper  
84 100  
49 108.1 103.6 155.4  
51 40.0 31.8 47.8  
86 68.5 51.3 76.9





#25

2-Butanone

Concen: 0.426 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampled :

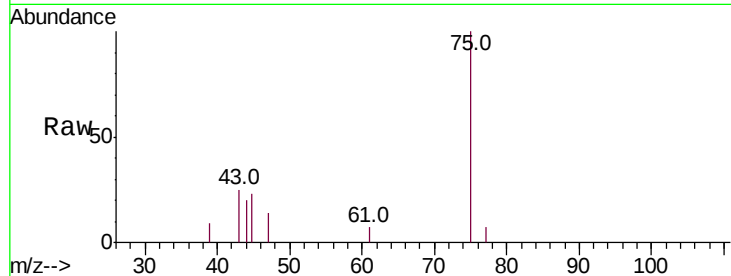
PB132597TB

Tot Ion: 43 Resp: 729

Ion Ratio Lower Upper

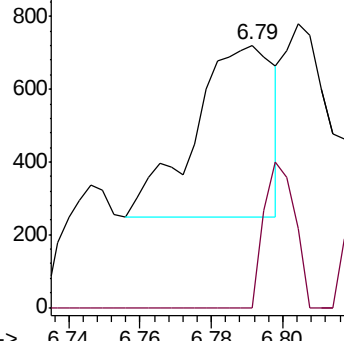
43 100

72 0.0 18.8 28.2#

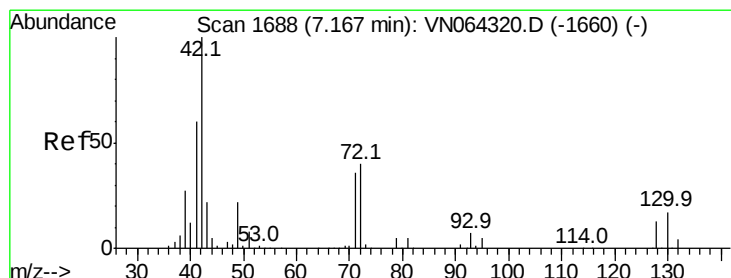
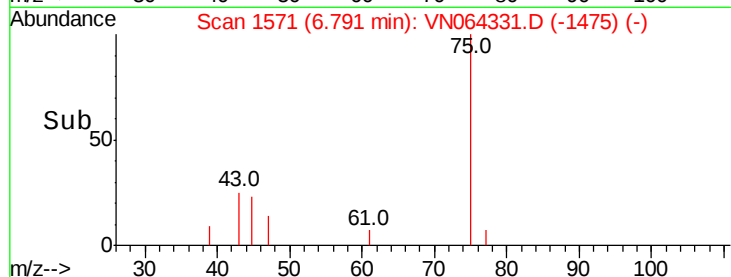


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#29

Tetrahydrofuran

Concen: 0.483 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

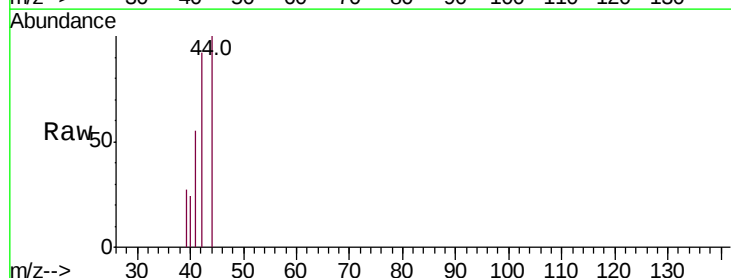
Tgt Ion: 42 Resp: 536

Ion Ratio Lower Upper

42 100

72 26.9 31.6 47.4#

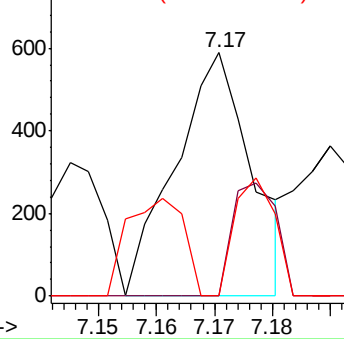
71 25.9 29.4 44.0#



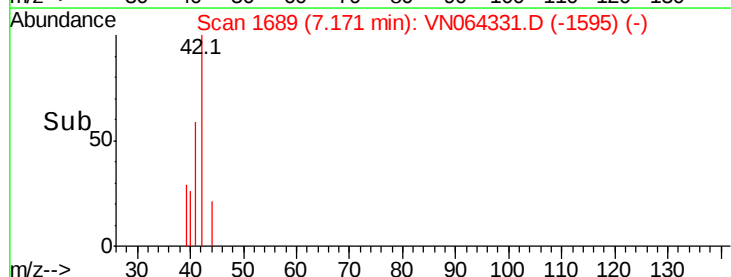
Abundance Ion 42.00 (41.70 to 42.70): VN0

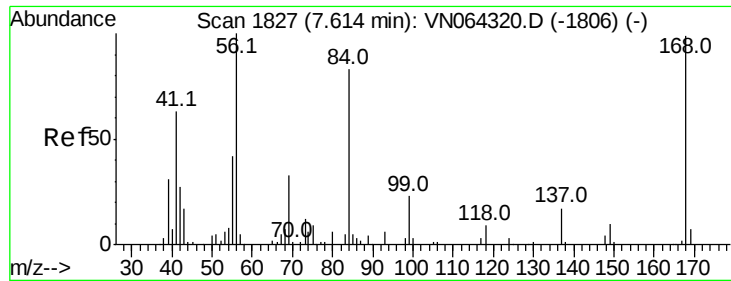
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->

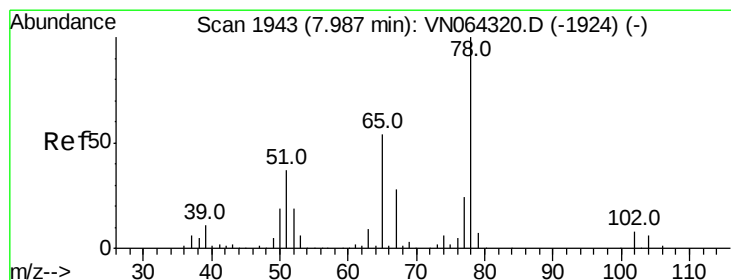
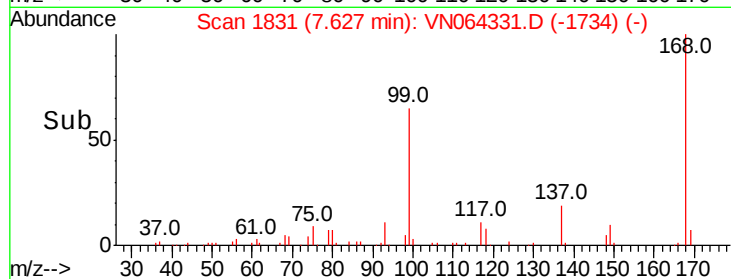
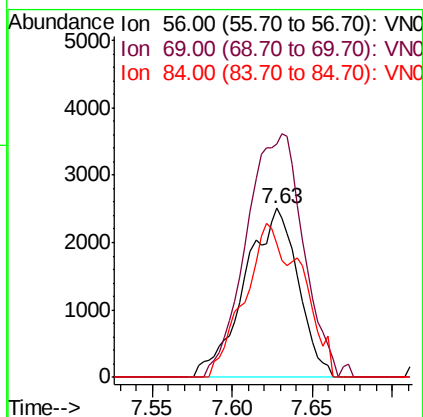
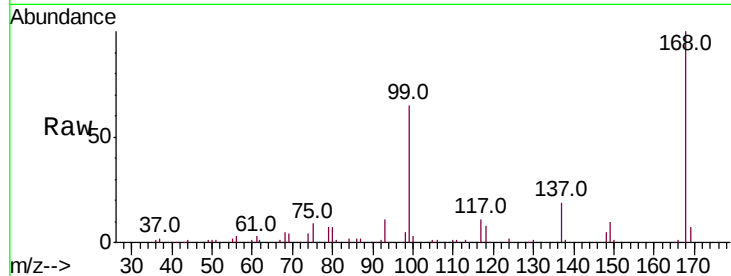




#31  
Cyclohexane  
Concen: 1.452 ug/l  
RT: 7.63 min Scan# 1831  
Delta R.T. 0.01 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

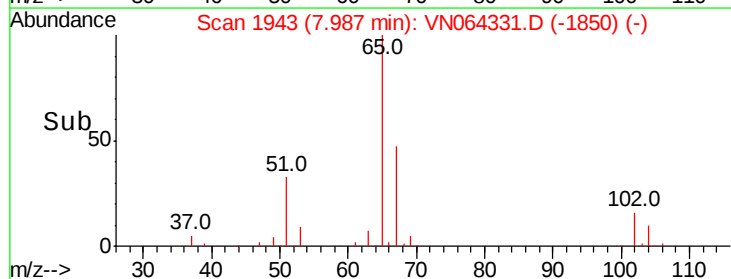
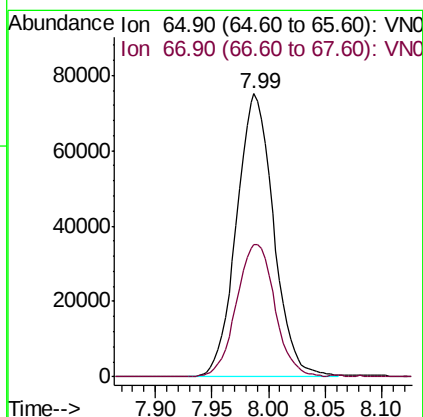
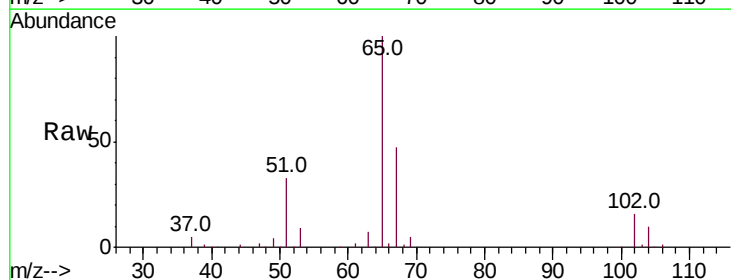
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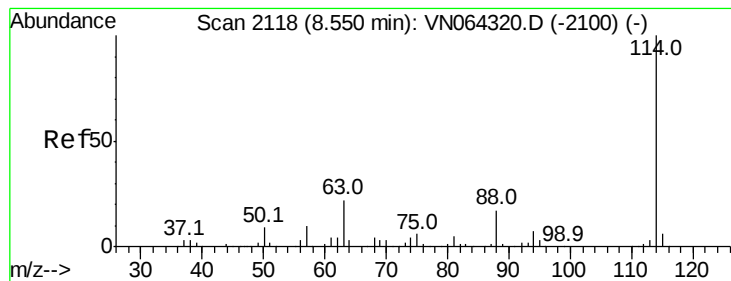
Tot Ion: 56 Resp: 5740  
Ion Ratio Lower Upper  
56 100  
69 138.3 25.8 38.8#  
84 78.7 66.3 99.5



#33  
1,2-Dichloroethane-d4  
Concen: 50.417 ug/l  
RT: 7.99 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

Tgt Ion: 65 Resp: 171701  
Ion Ratio Lower Upper  
65 100  
67 48.4 0.0 99.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

PB132597TB

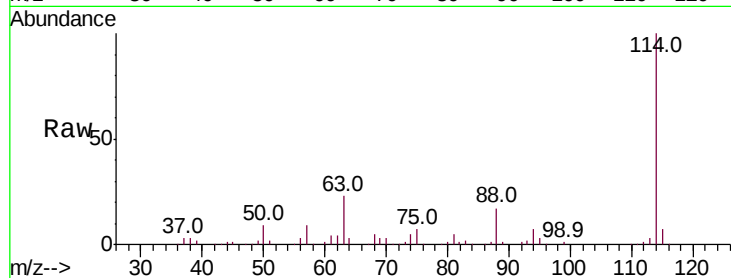
Tot Ion:114 Resp: 376784

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

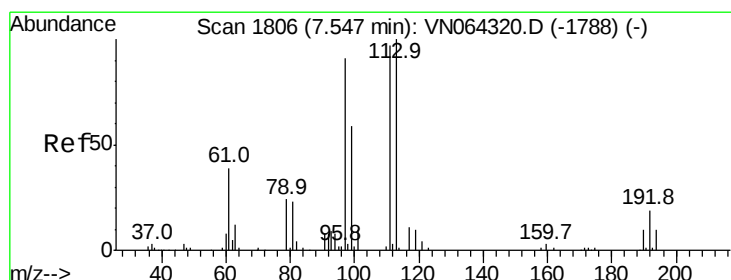
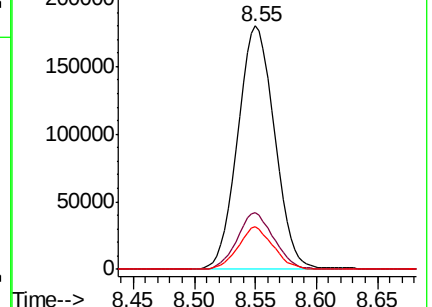
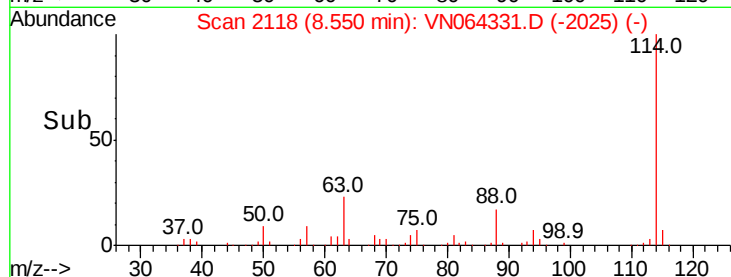
88 17.4 0.0 33.4



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: 49.593 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

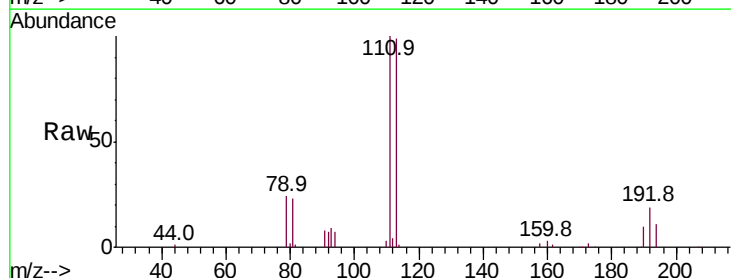
Tgt Ion:113 Resp: 124611

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

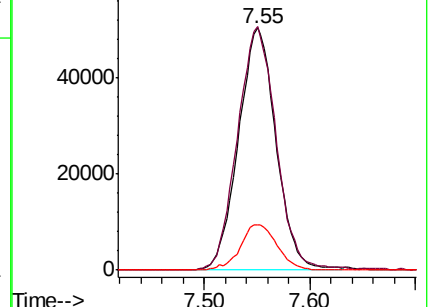
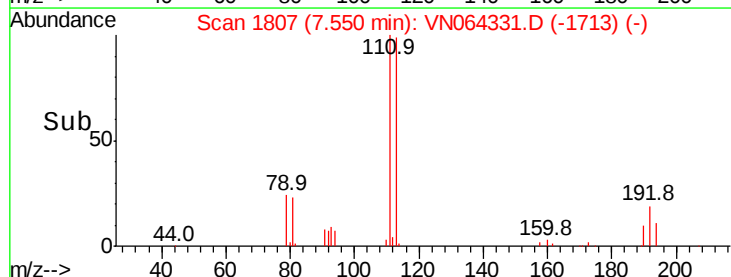
192 18.3 15.0 22.4

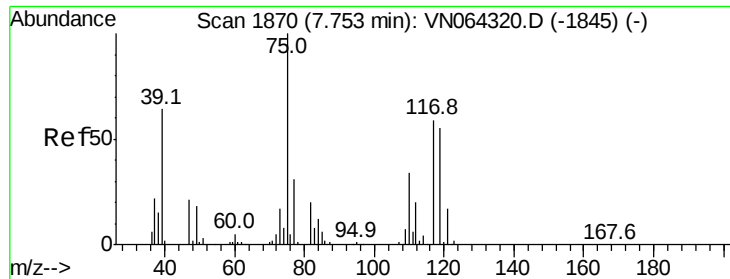


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

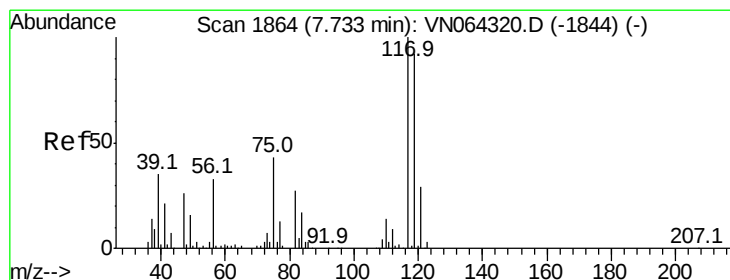
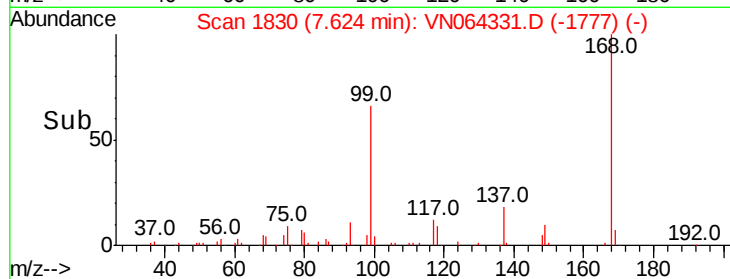
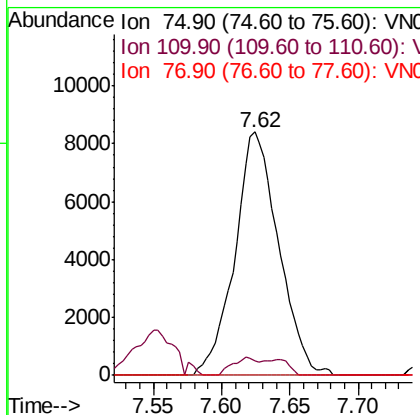
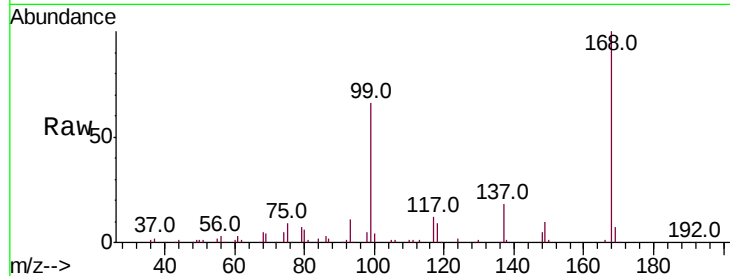




#36  
 1,1-Dichloropropene  
 Concen: 4.932 ug/l  
 RT: 7.62 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

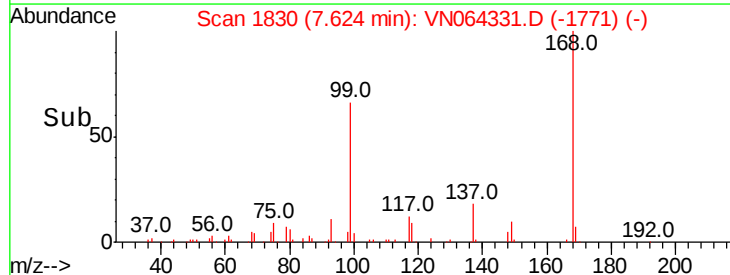
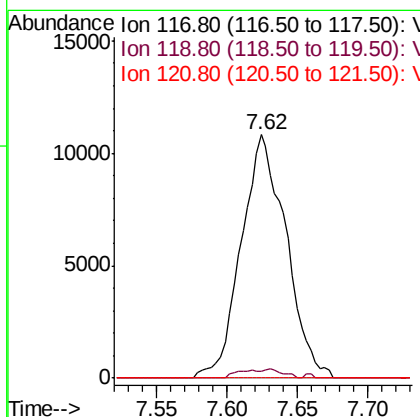
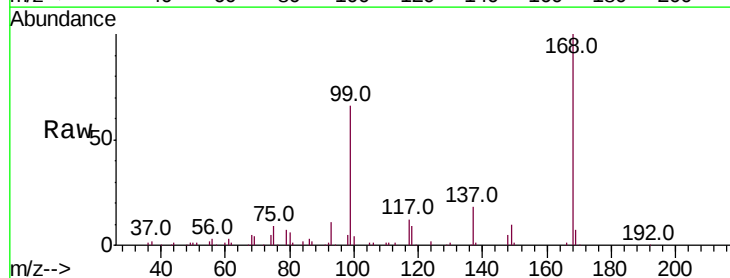
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 PB132597TB

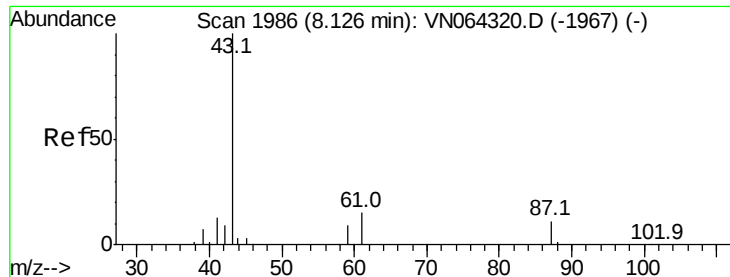
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 4.2   | 16.8  | 50.3# |
| 77      | 0.0   | 24.2  | 36.4# |



#38  
 Carbon Tetrachloride  
 Concen: 5.451 ug/l  
 RT: 7.62 min Scan# 1830  
 Delta R.T. -0.11 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 2.9   | 73.7  | 110.5# |
| 121     | 0.0   | 22.8  | 34.2#  |





#43

Isopropyl Acetate

Concen: 13.708 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

PB132597TB

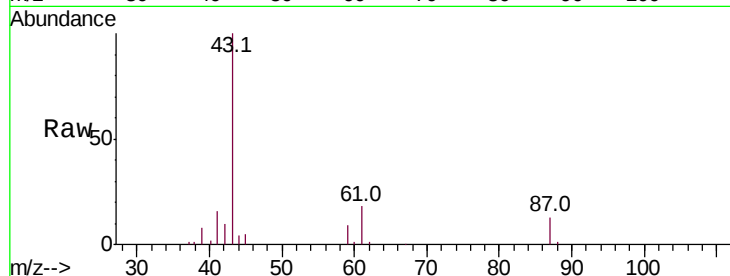
Tot Ion: 43 Resp: 90007

Ion Ratio Lower Upper

43 100

61 16.8 19.1 28.7#

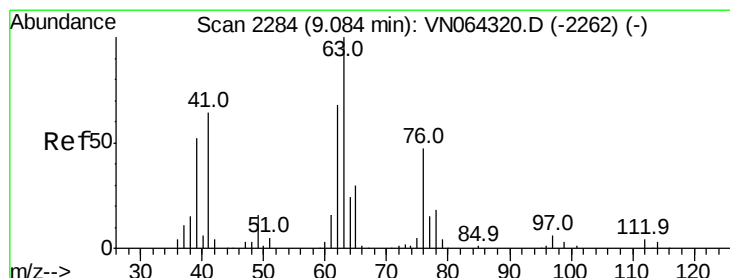
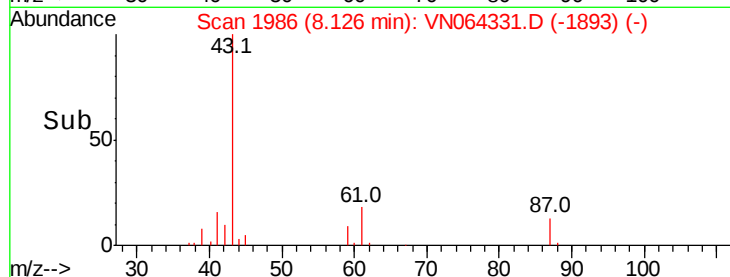
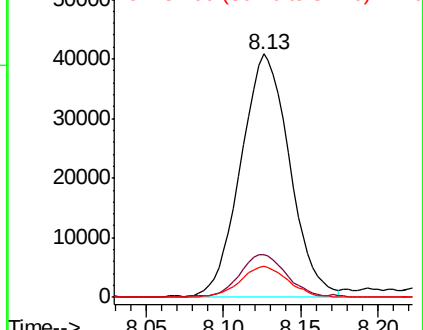
87 12.3 9.3 13.9



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



#45

1,2-Dichloropropane

Concen: 0.443 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN064331.D

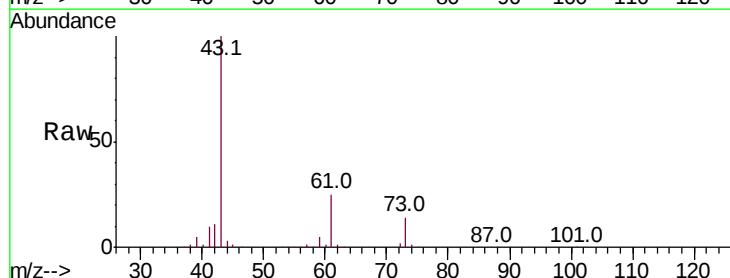
Acq: 27 Oct 2020 17:15

Tgt Ion: 63 Resp: 1257

Ion Ratio Lower Upper

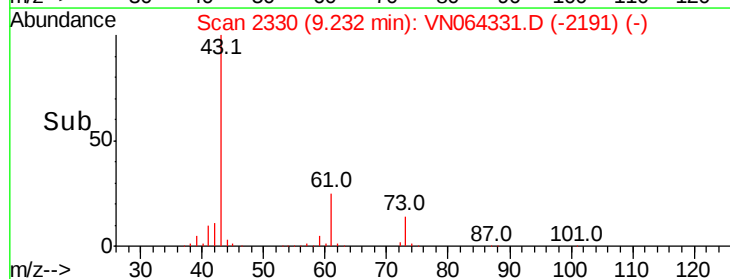
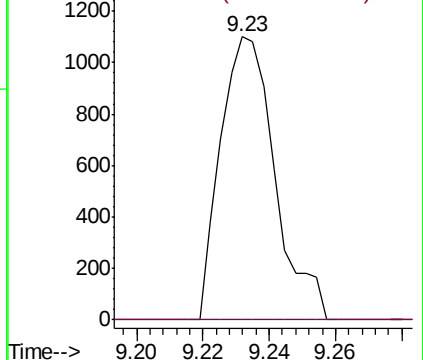
63 100

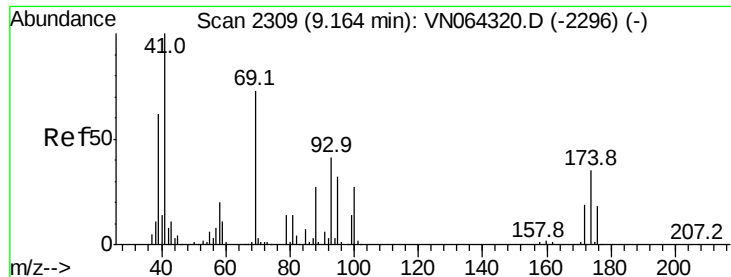
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

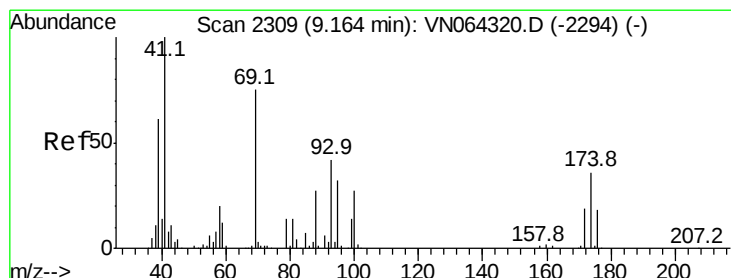
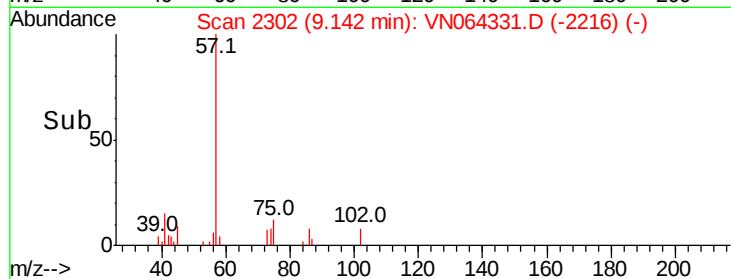
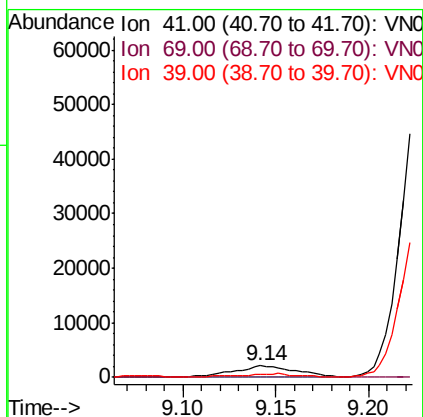
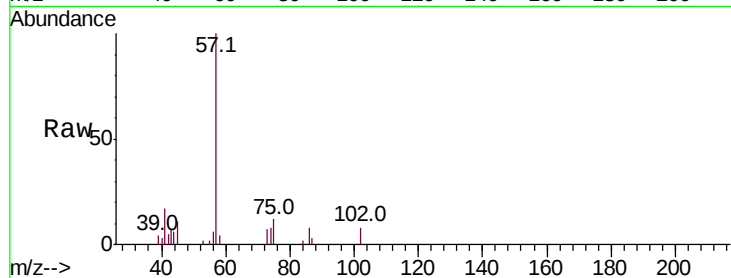




#48  
Methvl methacrylate  
Concen: 1.464 ug/l  
RT: 9.14 min Scan# 2302  
Delta R.T. -0.02 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

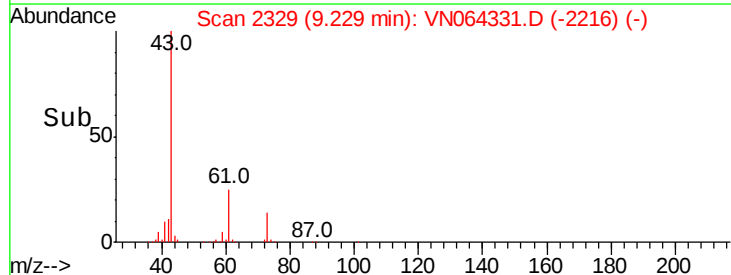
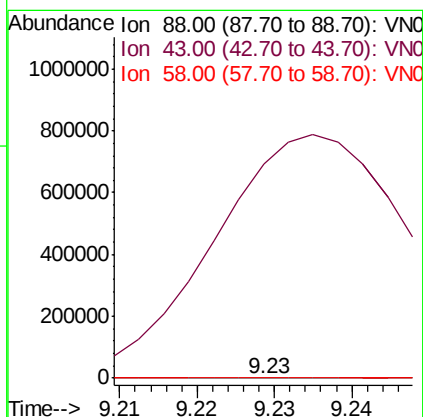
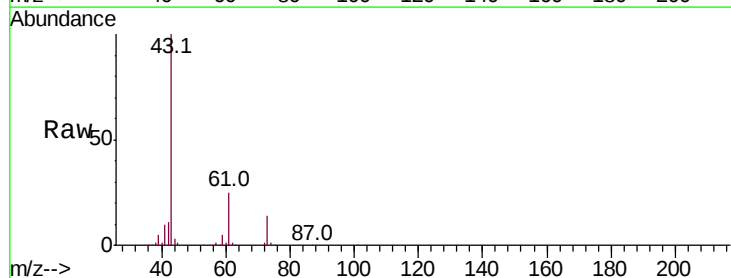
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132597TB

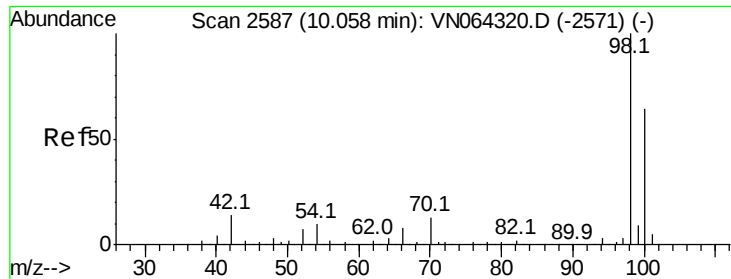
Tot Ion: 41 Resp: 4961  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.1 88.7#  
39 0.0 51.3 76.9#



#49  
1,4-Dioxane  
Concen: 2.043 ug/l  
RT: 9.23 min Scan# 2329  
Delta R.T. 0.06 min  
Lab File: VN064331.D  
Acq: 27 Oct 2020 17:15

Tgt Ion: 88 Resp: 102  
Ion Ratio Lower Upper  
88 100  
43 1428275.5 31.8 47.8#  
58 5270.6 60.3 90.5#





#50

Toluene-d8

Concen: 50.462 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

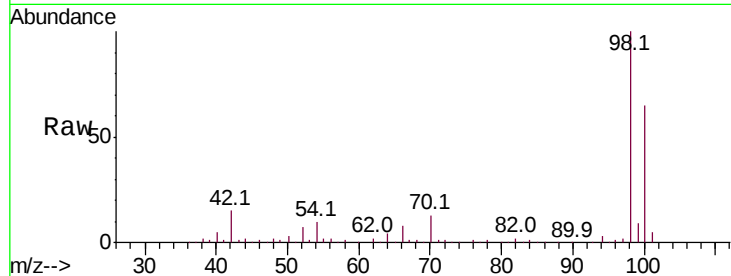
PB132597TB

Tot Ion: 98 Resp: 468997

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064331.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064331.D (-2571) (-)

10.06

250000

200000

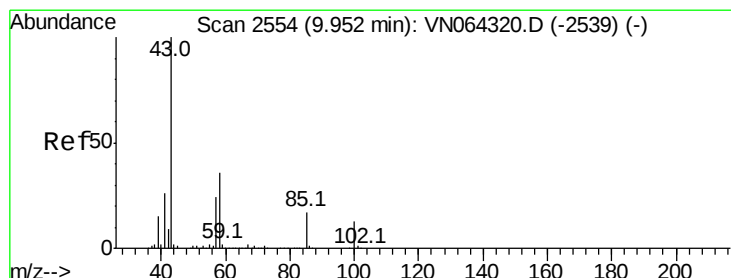
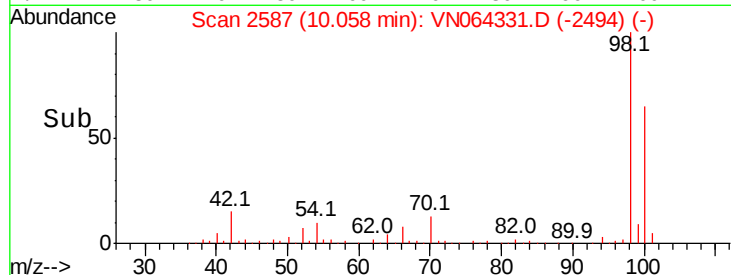
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.049 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064331.D

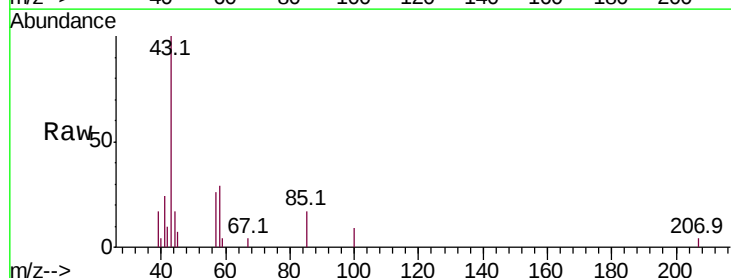
Acq: 27 Oct 2020 17:15

Tgt Ion: 43 Resp: 7822

Ion Ratio Lower Upper

43 100

58 31.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064331.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064331.D (-2461) (-)

9.96

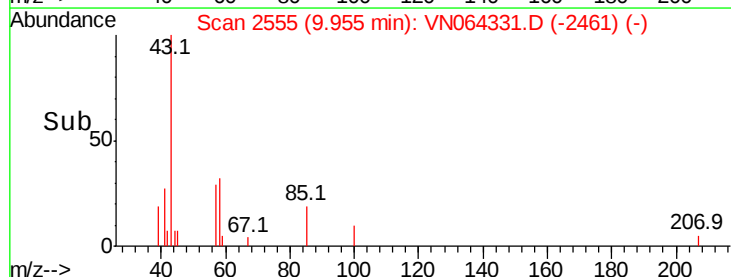
30000

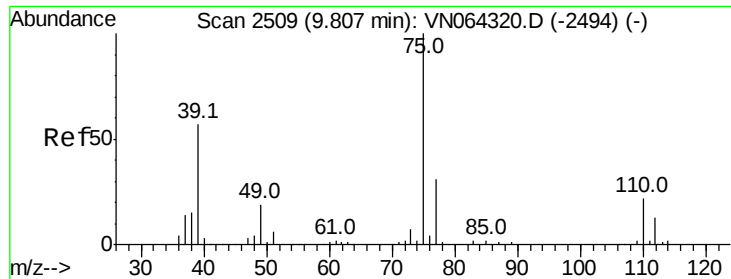
20000

10000

0

Time-->



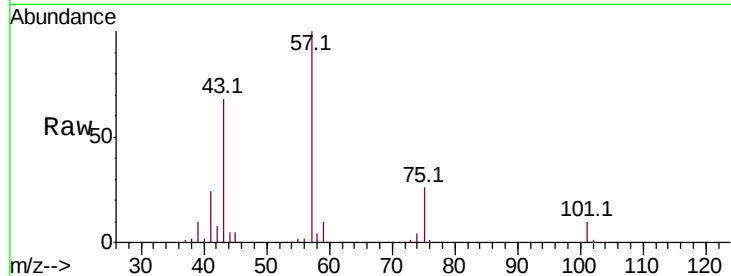


#54

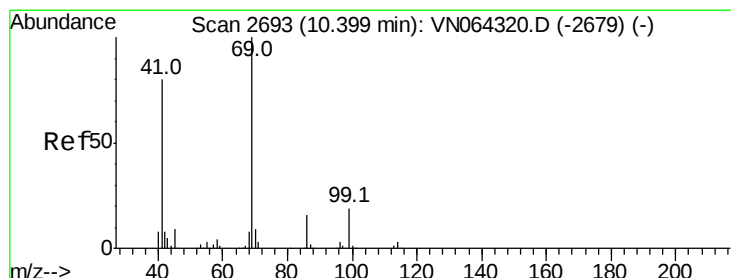
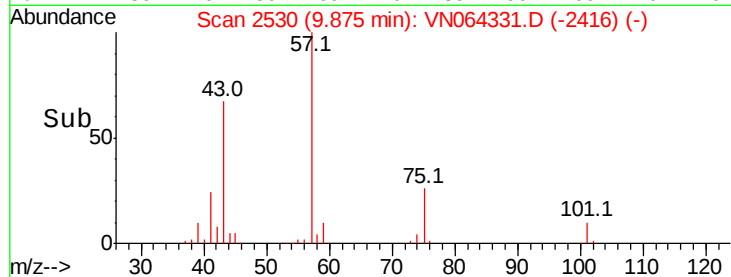
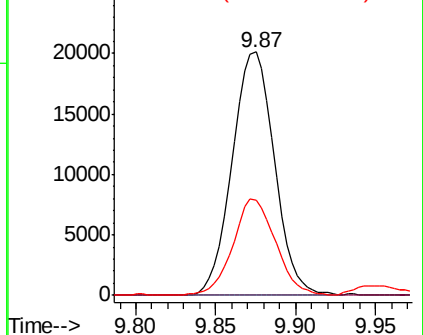
cis-1,3-Dichloropropene  
 Concen: 7.585 ug/l  
 RT: 9.87 min Scan# 2530  
 Delta R.T. 0.07 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PB132597TB

Tot Ion: 75 Resp: 36280  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.0 37.4#  
 39 38.9 45.5 68.3#



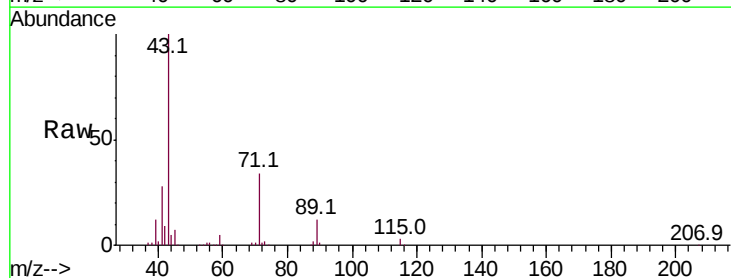
Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 76.90 (76.60 to 77.60): VNO  
 Ion 39.00 (38.70 to 39.70): VNO



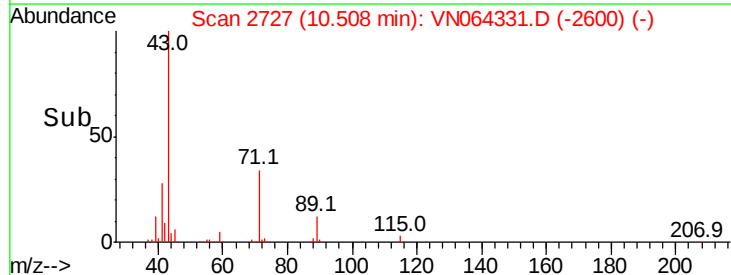
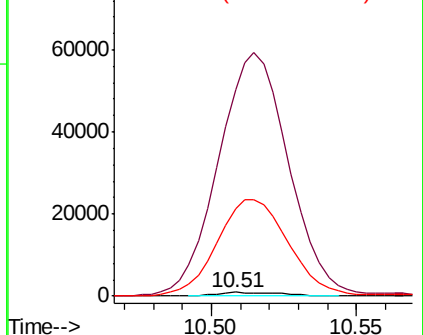
#56

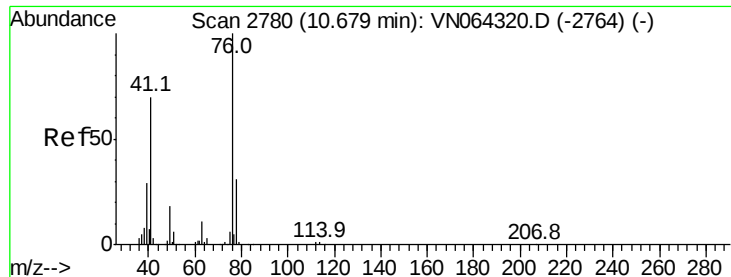
Ethyl methacrylate  
 Concen: 0.360 ug/l  
 RT: 10.51 min Scan# 2727  
 Delta R.T. 0.11 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

Tgt Ion: 69 Resp: 1436  
 Ion Ratio Lower Upper  
 69 100  
 41 6998.3 61.4 92.2#  
 39 2824.3 36.5 54.7#



Abundance Ion 69.00 (68.70 to 69.70): VNO  
 Ion 41.00 (40.70 to 41.70): VNO  
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.402 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

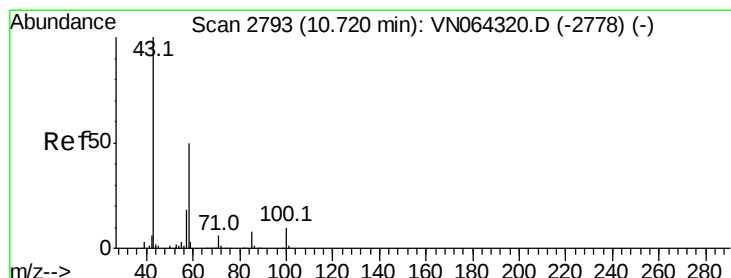
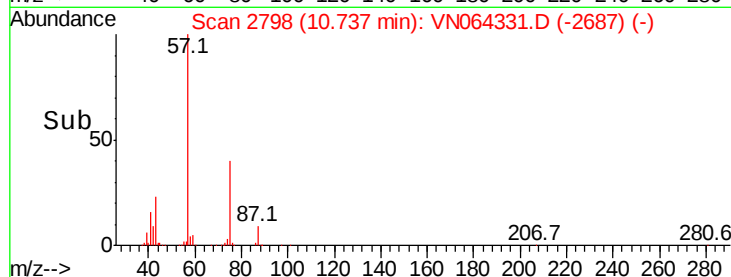
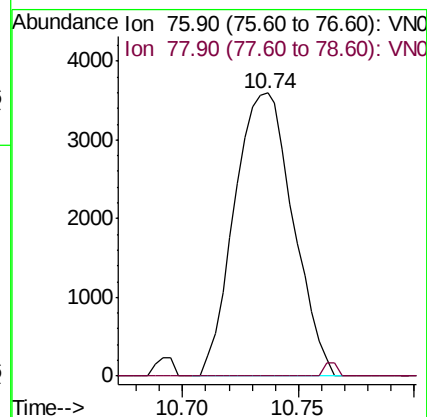
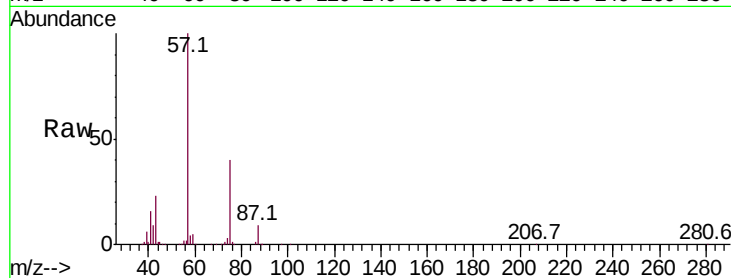
PB132597TB

Tot Ion: 76 Resp: 6306

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.536 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064331.D

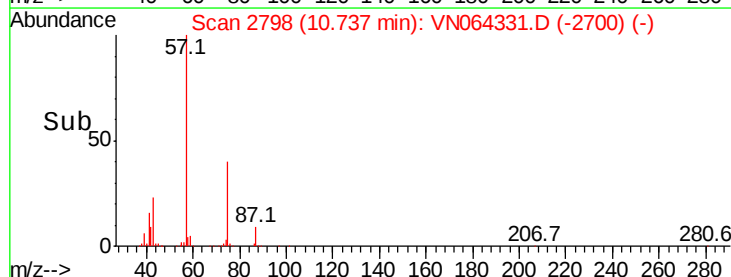
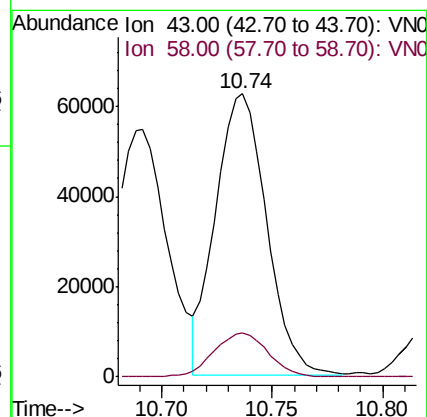
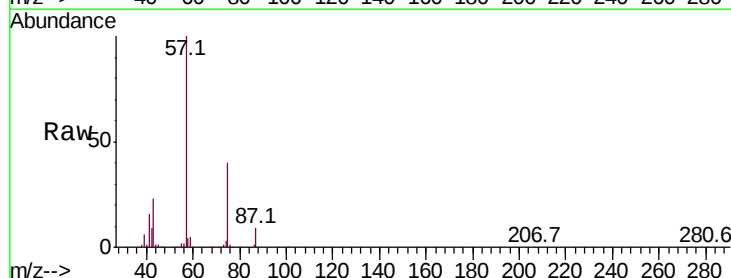
Acq: 27 Oct 2020 17:15

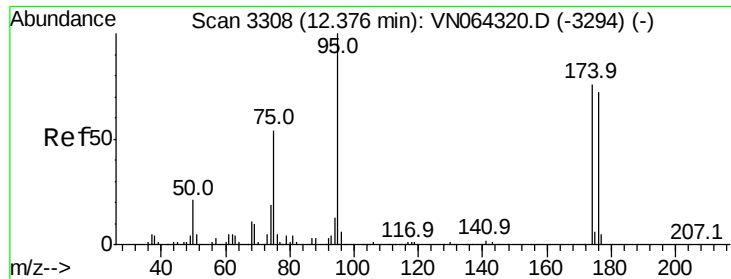
Tgt Ion: 43 Resp: 99891

Ion Ratio Lower Upper

43 100

58 16.8 25.0 75.0#

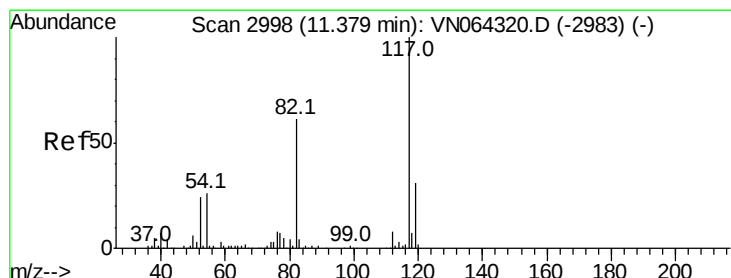
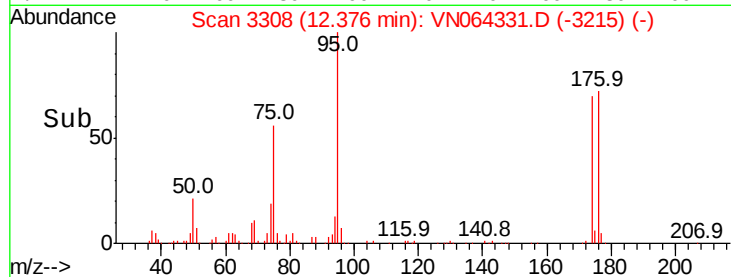
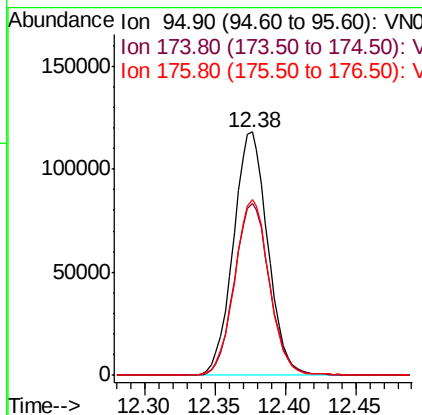
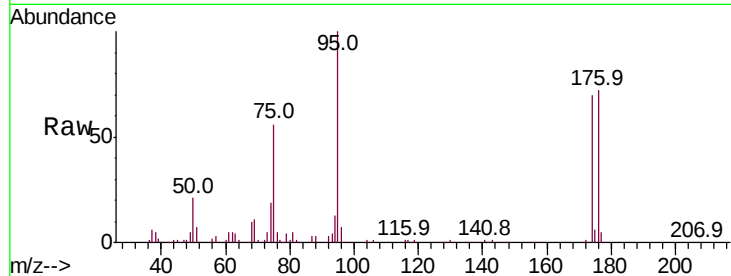




#62  
 4-Bromofluorobenzene  
 Concen: 55.792 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. 0.00 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

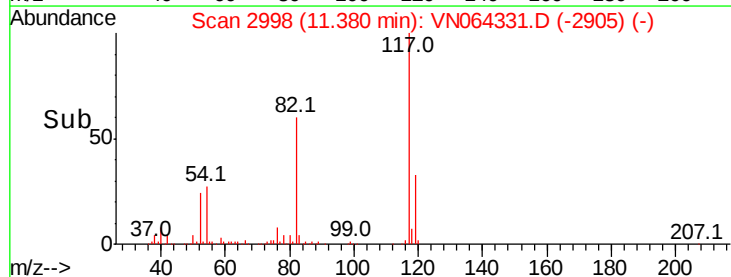
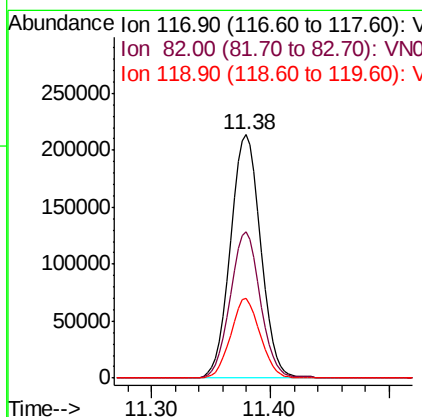
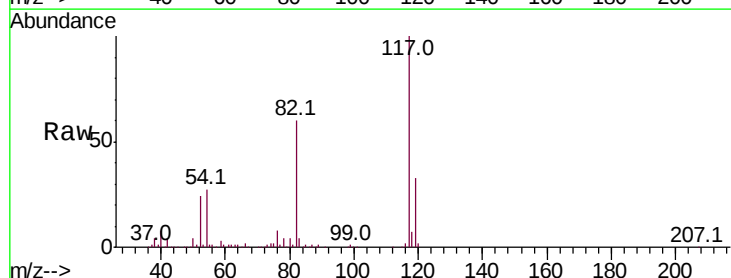
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132597TB

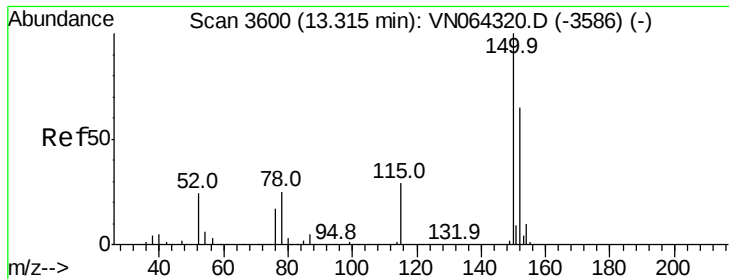
| Tot Ion   | 95    | Resp  | 202175 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 71.9  | 0.0   | 147.4  |
| 176       | 72.3  | 0.0   | 143.6  |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.38 min Scan# 2998  
 Delta R.T. 0.00 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

| Tgt Ion   | 117   | Resp  | 376751 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 60.1  | 48.8  | 73.2   |
| 119       | 32.7  | 25.1  | 37.7   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

PB132597TB

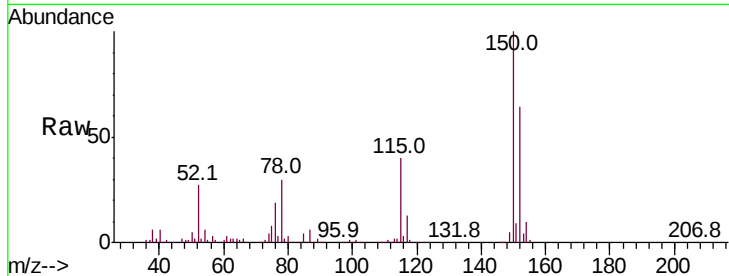
Tot Ion:152 Resp: 157635

Ion Ratio Lower Upper

152 100

115 64.4 31.5 94.5

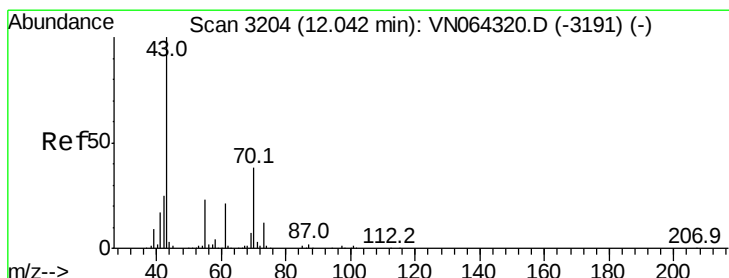
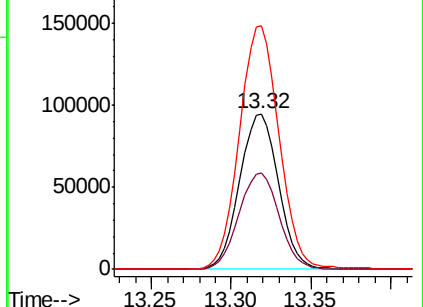
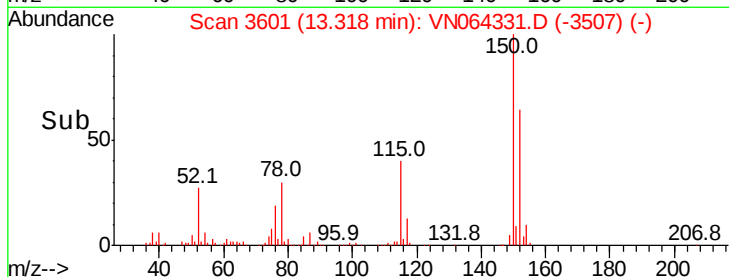
150 160.7 0.0 346.2



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



#74

N-ethyl acetate

Concen: 0.363 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Tgt Ion: 43 Resp: 1887

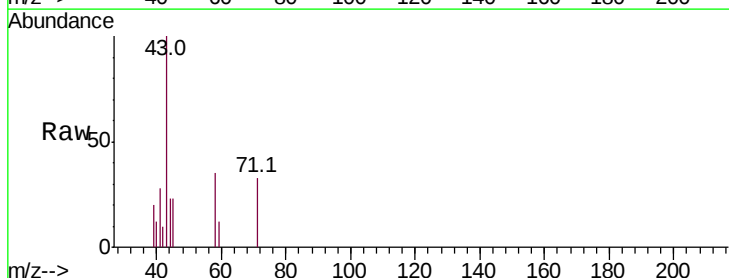
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.2 27.4#

61 0.0 17.6 26.4#

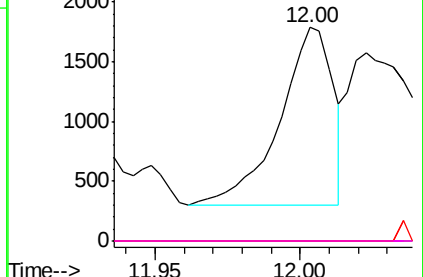
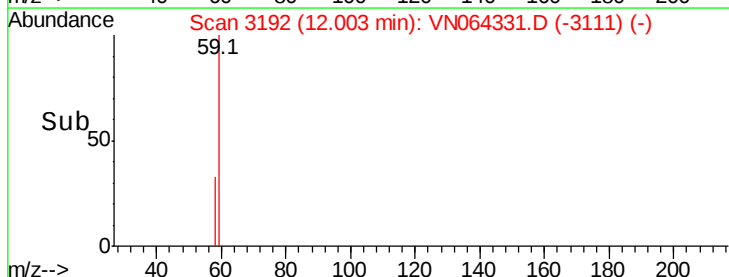


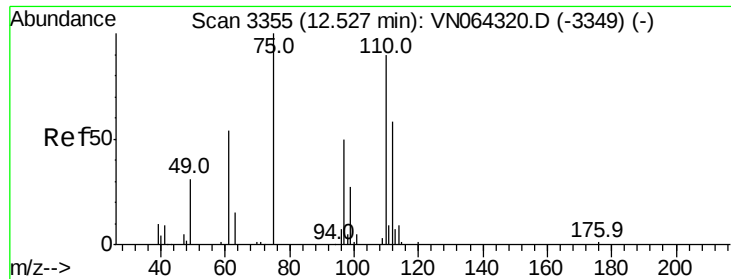
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.831 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

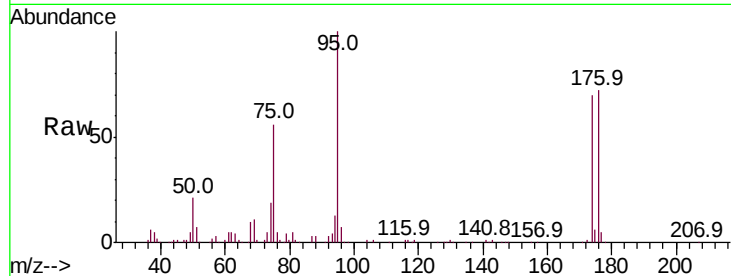
PB132597TB

Tot Ion: 75 Resp: 112609

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064331.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064331.D (-3262) (-)

12.38

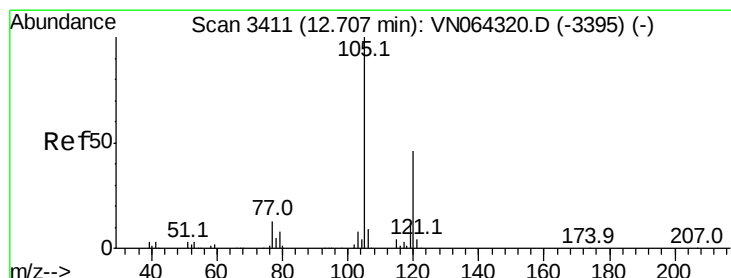
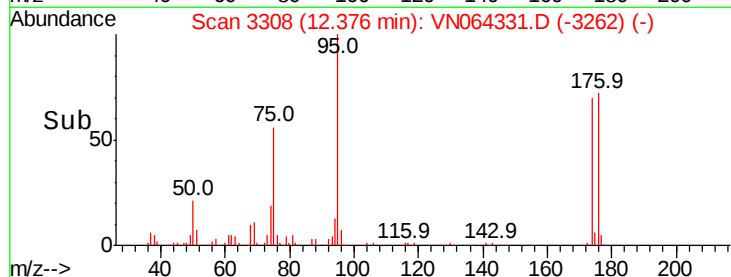
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.277 ug/l

RT: 12.70 min Scan# 3409

Delta R.T. -0.01 min

Lab File: VN064331.D

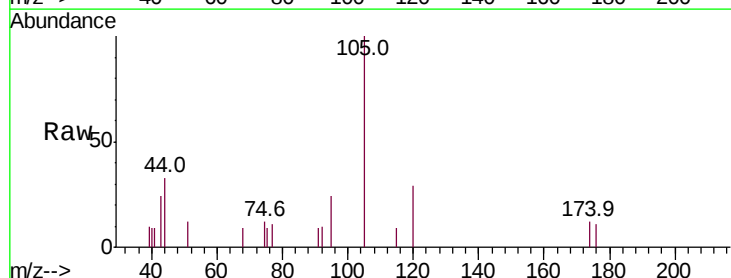
Acq: 27 Oct 2020 17:15

Tgt Ion: 105 Resp: 2768

Ion Ratio Lower Upper

105 100

120 38.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064331.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064331.D (-3318) (-)

12.70

2000

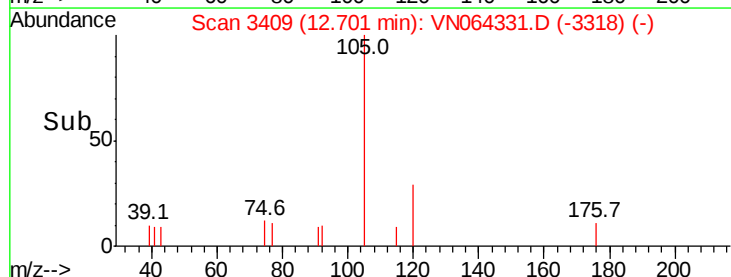
1500

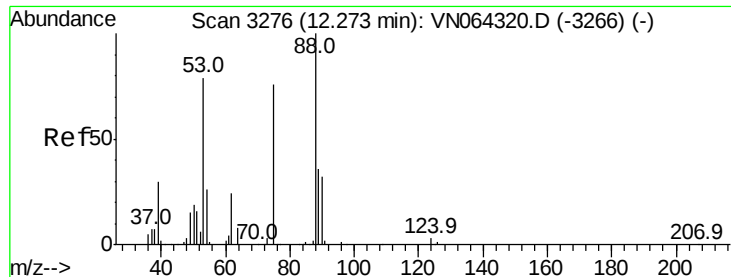
1000

500

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 85.928 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampleId :

PB132597TB

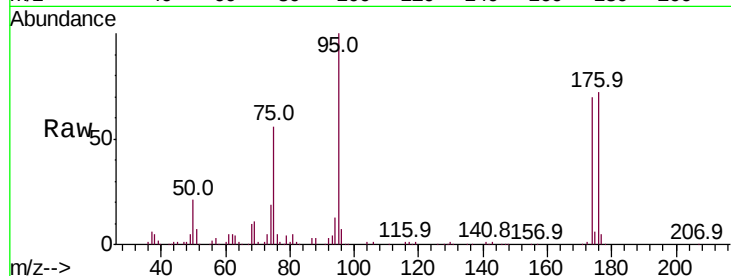
Tot Ion: 75 Resp: 112609

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

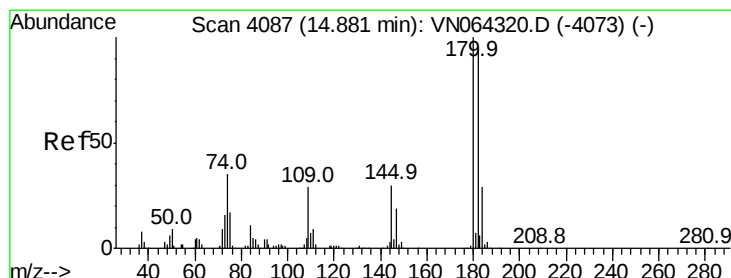
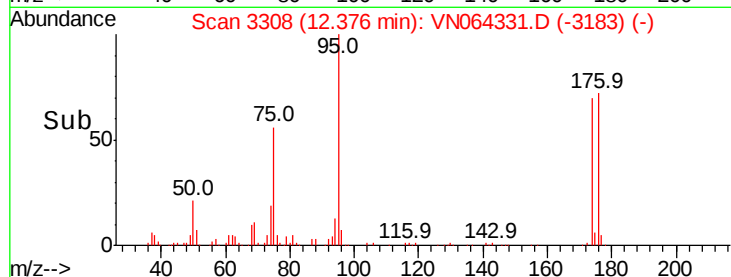
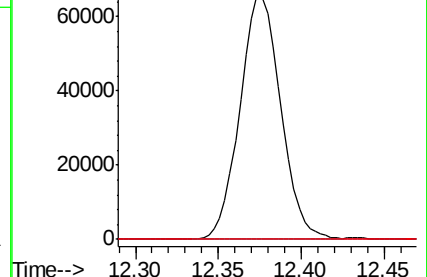
89 0.1 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN064331.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064331.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064331.D (-3183) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.193 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

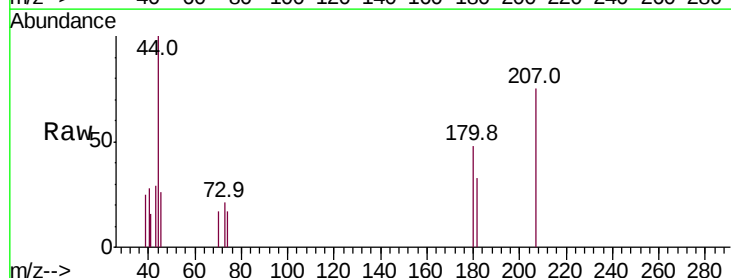
Tgt Ion:180 Resp: 528

Ion Ratio Lower Upper

180 100

182 122.7 46.6 139.7

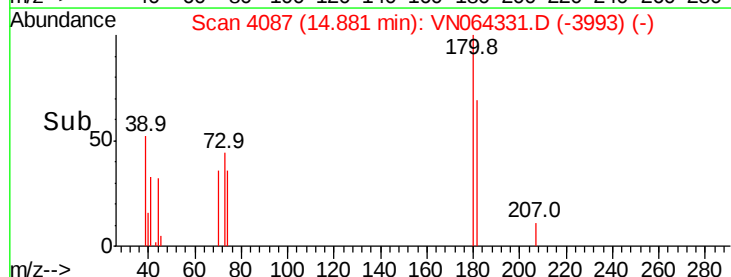
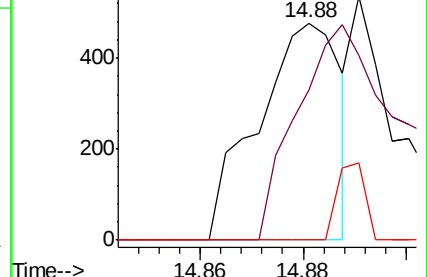
145 12.1 15.3 45.9#

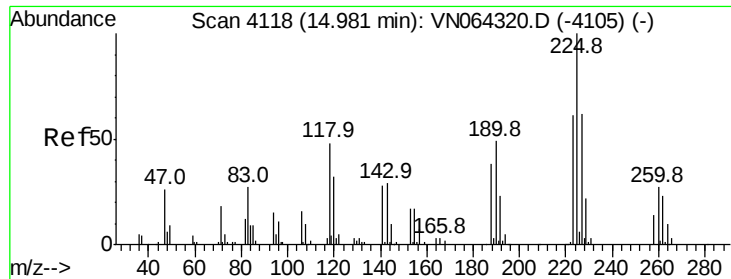


Abundance Ion 179.80 (179.50 to 180.50): VN064331.D (-3993) (-)

Ion 181.80 (181.50 to 182.50): VN064331.D (-3993) (-)

Ion 144.80 (144.50 to 145.50): VN064331.D (-3993) (-)





#94

Hexachlorobutadiene

Concen: 0.227 ug/l

RT: 14.97 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

Instrument :

MSVOA\_N

ClientSampled :

PB132597TB

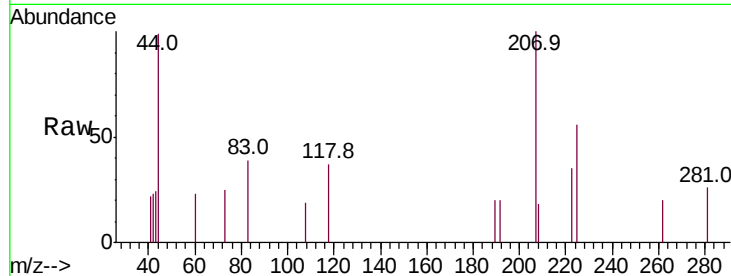
Tot Ion:225 Resp: 351

Ion Ratio Lower Upper

225 100

223 103.4 31.3 93.8#

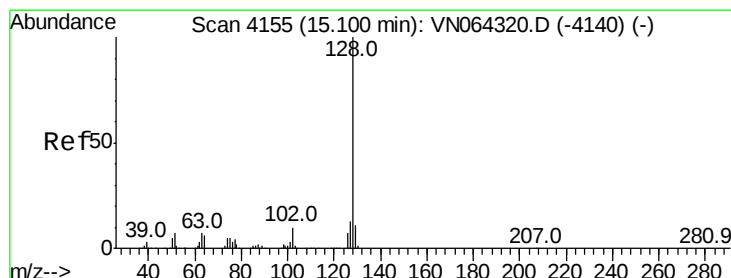
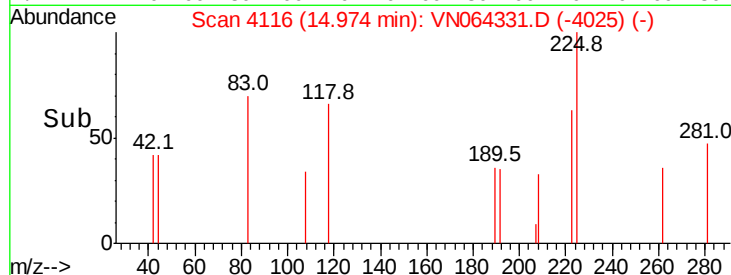
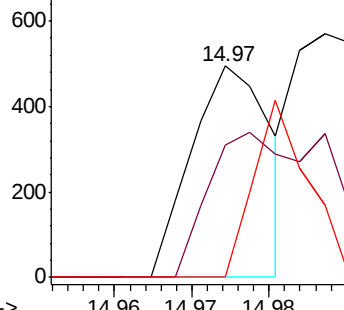
227 57.0 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.733 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064331.D

Acq: 27 Oct 2020 17:15

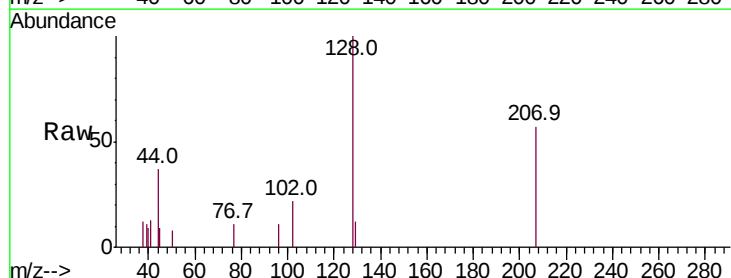
Tgt Ion:128 Resp: 3186

Ion Ratio Lower Upper

128 100

127 4.1 10.4 15.6#

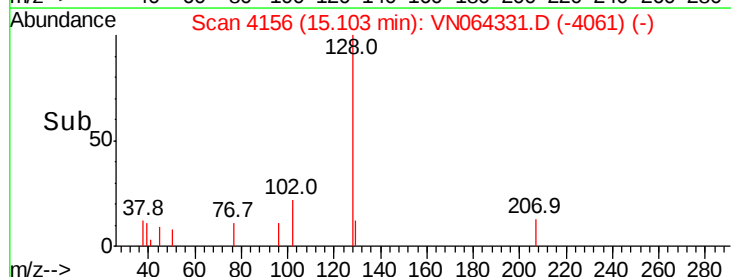
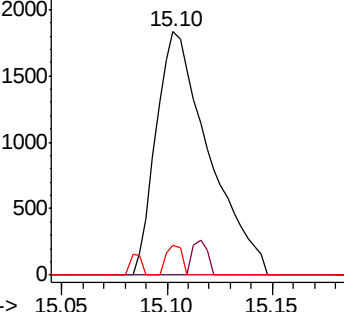
129 3.6 8.6 13.0#

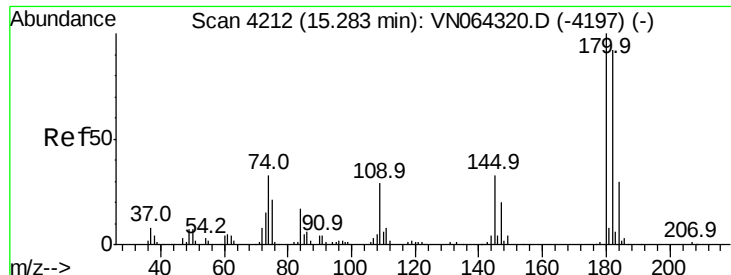


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

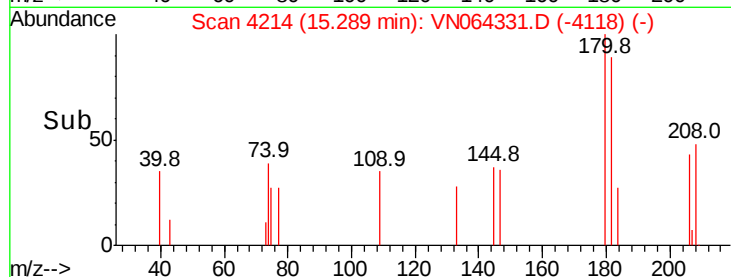
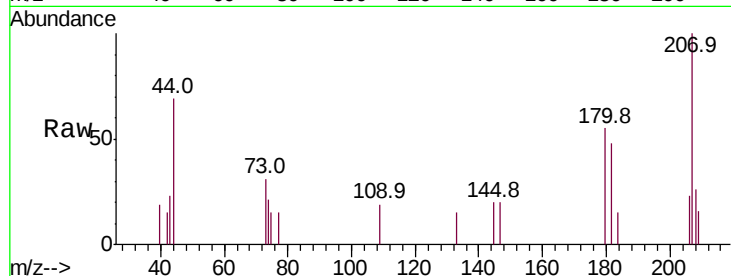




#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.498 ug/l  
 RT: 15.29 min Scan# 4214  
 Delta R.T. 0.01 min  
 Lab File: VN064331.D  
 Acq: 27 Oct 2020 17:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132597TB

Tot Ion:180 Resp: 921  
 Ion Ratio Lower Upper  
 180 100  
 182 104.8 46.1 138.3  
 145 18.0 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.90 (144.60 to 145.60): V

