

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\  
 Data File : VN063750.D  
 Acq On : 30 Sep 2020 15:32  
 Operator : JC/MD  
 Sample : L4129-17  
 Misc : 9.52g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

Quant Time: Oct 01 02:14:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 223987   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 404367   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 415775   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 198947   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.98  | 65   | 182142   | 49.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.44%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 128246   | 45.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.42%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 526356   | 49.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 214076   | 53.54 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.08% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 5) Bromomethane                | 2.53  | 94   | 416      | 0.238  | ug/l # | 4      |
| 13) Acrolein                   | 3.59  | 56   | 109      | 0.435  | ug/l # | 14     |
| 16) Acetone                    | 3.78  | 43   | 385      | 0.338  | ug/l # | 47     |
| 17) Carbon Disulfide           | 3.99  | 76   | 5011     | 1.511  | ug/l # | 76     |
| 18) Methyl Acetate             | 4.28  | 43   | 8937     | 3.022  | ug/l # | 78     |
| 20) Methylene Chloride         | 4.51  | 84   | 1204     | 0.559  | ug/l # | 67     |
| 25) 2-Butanone                 | 6.81  | 43   | 5698     | 3.528  | ug/l # | 85     |
| 29) Tetrahydrofuran            | 7.17  | 42   | 290      | 0.268  | ug/l # | 36     |
| 31) Cyclohexane                | 7.61  | 56   | 14819    | 3.449  | ug/l # | 63     |
| 36) 1,1-Dichloropropene        | 7.62  | 75   | 20994    | 5.125  | ug/l # | 51     |
| 37) Ethyl Acetate              | 6.81  | 43   | 5698     | 1.400  | ug/l # | 71     |
| 38) Carbon Tetrachloride       | 7.62  | 117  | 24849    | 5.409  | ug/l # | 14     |
| 39) Methylcyclohexane          | 9.05  | 83   | 20443    | 5.004  | ug/l   | 97     |
| 40) Benzene                    | 7.99  | 78   | 42977    | 3.673  | ug/l   | 96     |
| 51) 4-Methyl-2-Pentanone       | 9.96  | 43   | 829      | 0.210  | ug/l # | 39     |
| 52) Toluene                    | 10.13 | 92   | 84239    | 11.639 | ug/l   | 96     |
| 53) t-1,3-Dichloropropene      | 10.21 | 75   | 995      | 0.207  | ug/l # | 43     |
| 55) 1,1,2-Trichloroethane      | 10.50 | 97   | 2669     | 0.920  | ug/l # | 21     |
| 56) Ethyl methacrylate         | 10.40 | 69   | 1319     | 0.321  | ug/l # | 20     |
| 59) 2-Hexanone                 | 10.69 | 43   | 5924     | 2.024  | ug/l # | 28     |
| 67) Ethyl Benzene              | 11.49 | 91   | 40829    | 2.631  | ug/l   | 98     |
| 68) m/p-Xylenes                | 11.59 | 106  | 74992    | 12.965 | ug/l   | 99     |
| 69) o-Xylene                   | 11.92 | 106  | 36682    | 6.785  | ug/l   | 99     |
| 70) Styrene                    | 11.94 | 104  | 5880     | 0.641  | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.23 | 105  | 7595     | 0.523  | ug/l   | 87     |
| 74) N-amyl acetate             | 12.07 | 43   | 535      | 2.292  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 125440   | 28.603 | ug/l # | 100    |
| 77) Bromobenzene               | 12.42 | 156  | 24940    | 7.004  | ug/l # | 1      |
| 78) n-propylbenzene            | 12.57 | 91   | 14553    | 0.862  | ug/l   | 95     |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 45474    | 3.735  | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 125440   | 82.381 | ug/l # | 6      |
| 84) 1,2,4-Trimethylbenzene     | 13.02 | 105  | 84148    | 6.923  | ug/l   | 97     |
| 85) sec-Butylbenzene           | 13.15 | 105  | 4761     | 0.364  | ug/l # | 58     |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 5748     | 0.497  | ug/l   | 92     |

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Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Time: Oct 01 02:14:15 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 01:46:38 2020  
Response via : Initial Calibration

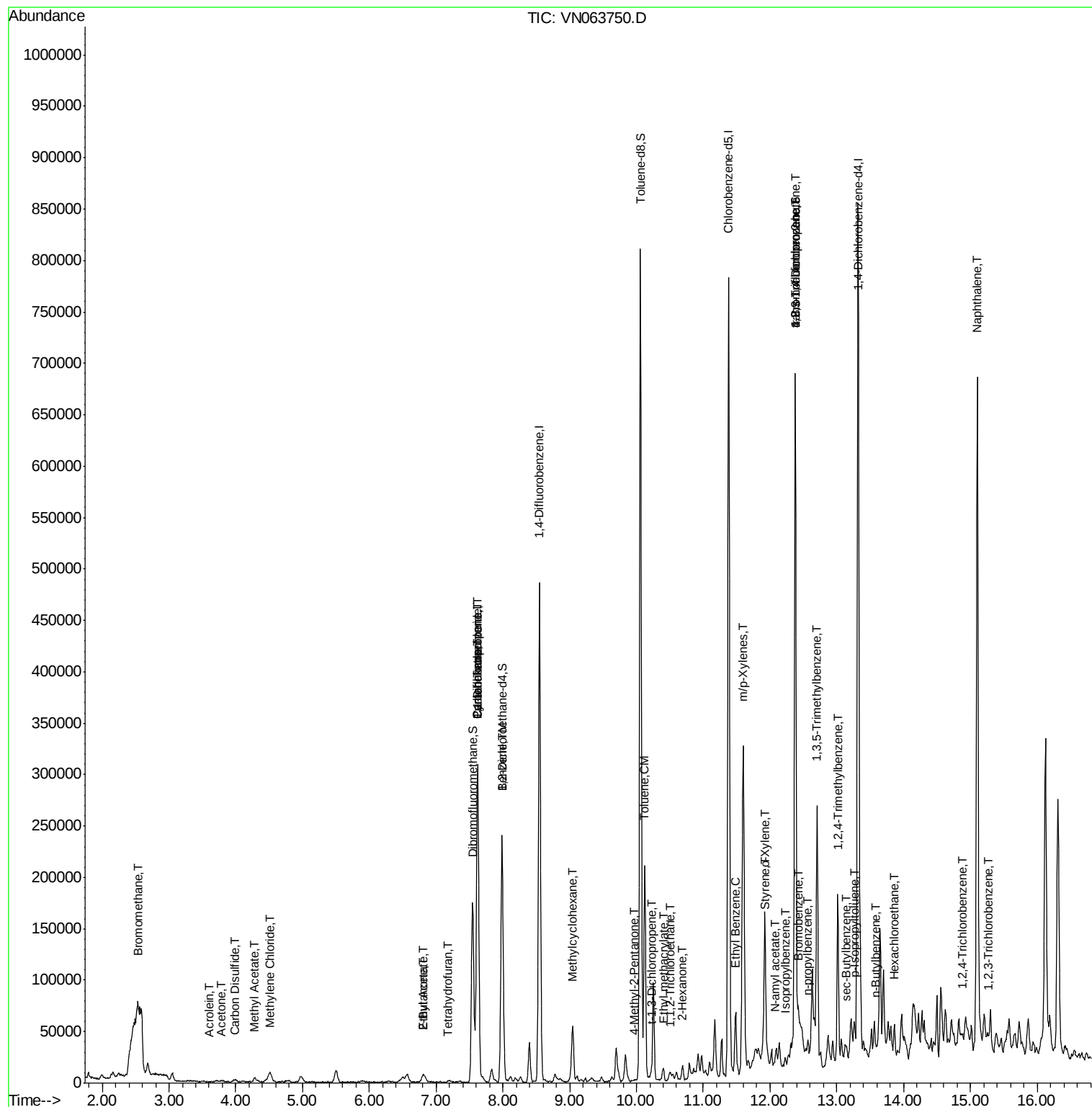
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 89) n-Butylbenzene         | 13.59 | 91   | 4769     | 0.447  | ug/l # | 73       |
| 90) Hexachloroethane       | 13.86 | 117  | 1413     | 0.630  | ug/l # | 14       |
| 93) 1,2,4-Trichlorobenzene | 14.89 | 180  | 565      | 1.894  | ug/l # | 1        |
| 95) Naphthalene            | 15.10 | 128  | 524237   | 48.880 | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.27 | 180  | 273      | 1.647  | ug/l # | 1        |

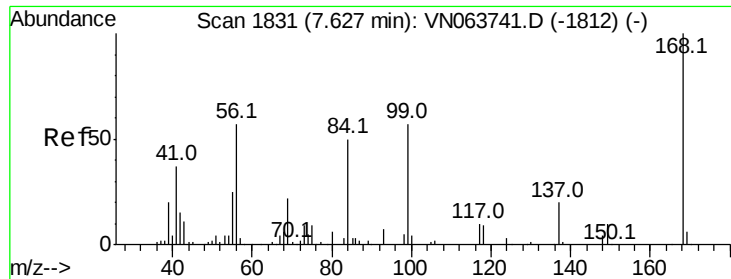
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

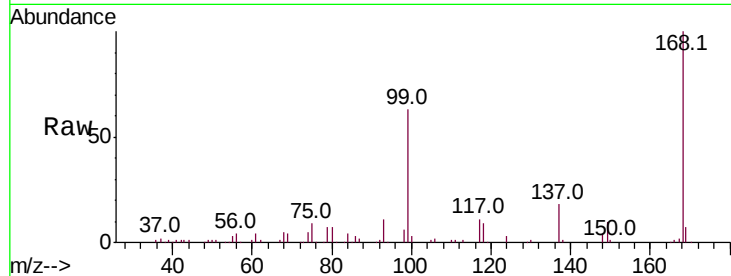
DRUM-COMP-2

Tot Ion:168 Resp: 223987

Ion Ratio Lower Upper

168 100

99 63.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

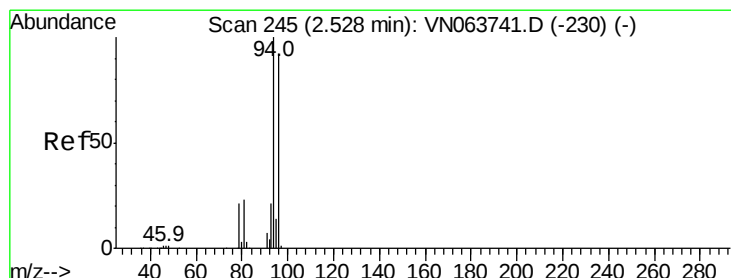
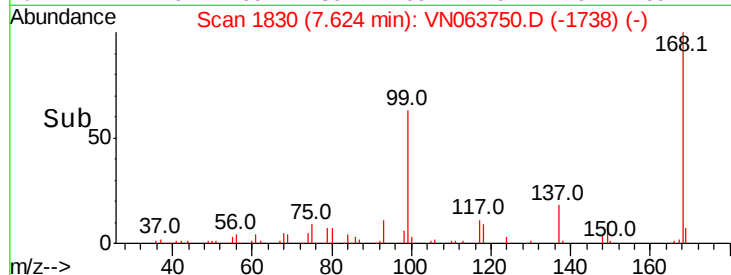
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.238 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063750.D

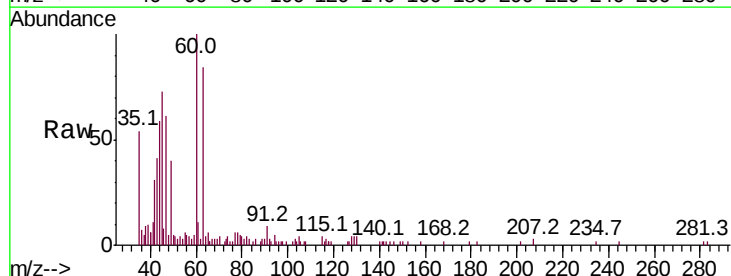
Acq: 30 Sep 2020 15:32

Tgt Ion: 94 Resp: 416

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VN0

2.53

800

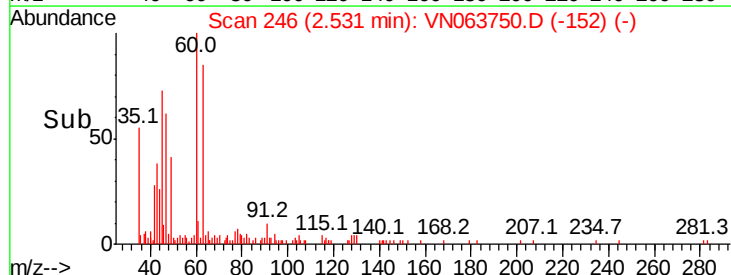
600

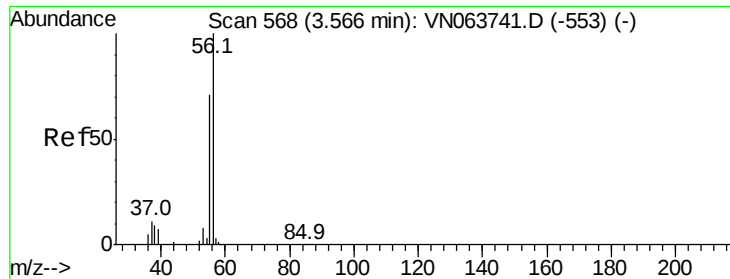
400

200

0

Time--> 2.52 2.53 2.54





#13

Acrolein

Concen: 0.435 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

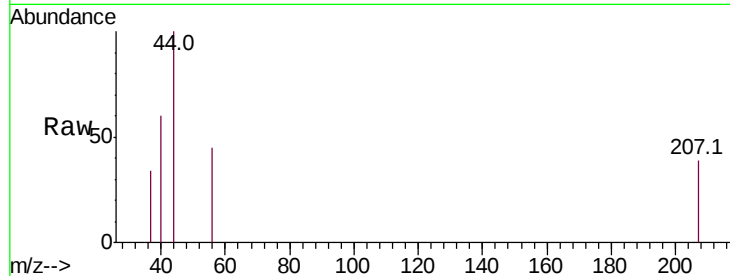
DRUM-COMP-2

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

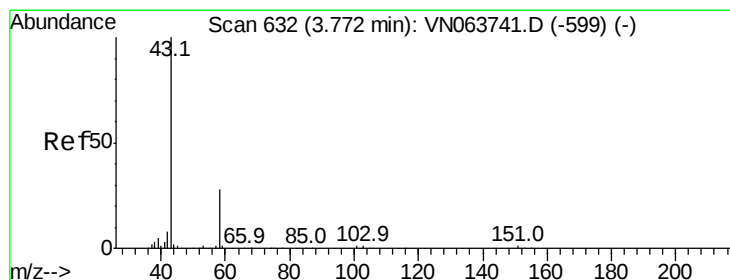
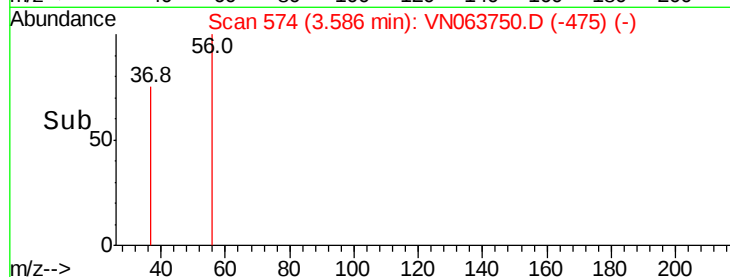
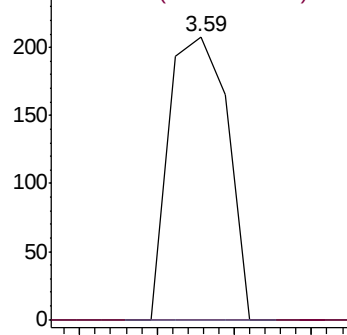
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.338 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063750.D

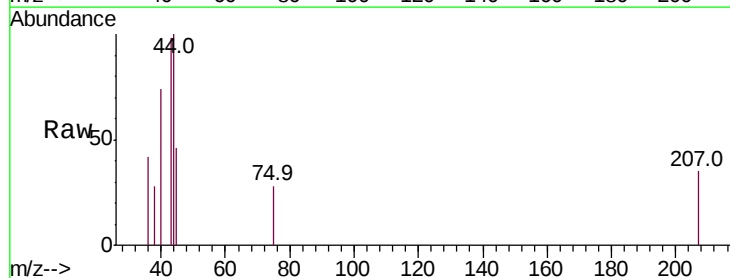
Acq: 30 Sep 2020 15:32

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

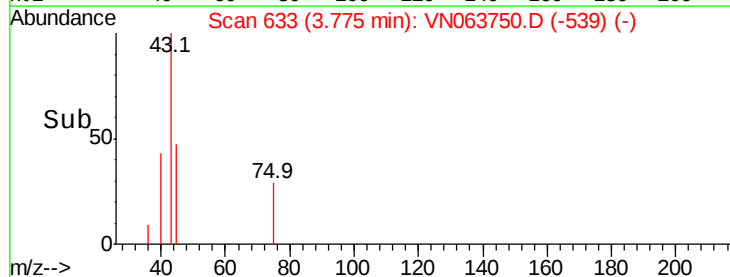
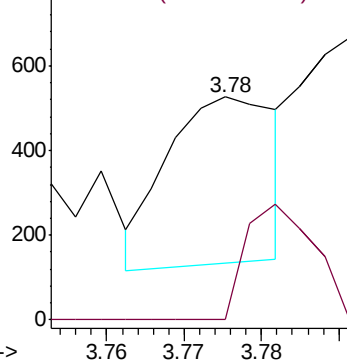
43 100

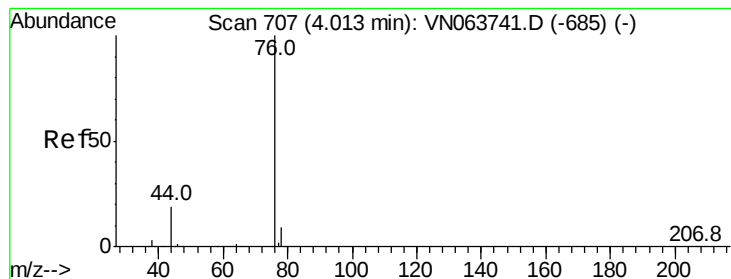
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.511 ug/l

RT: 3.99 min Scan# 700

Delta R.T. -0.02 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

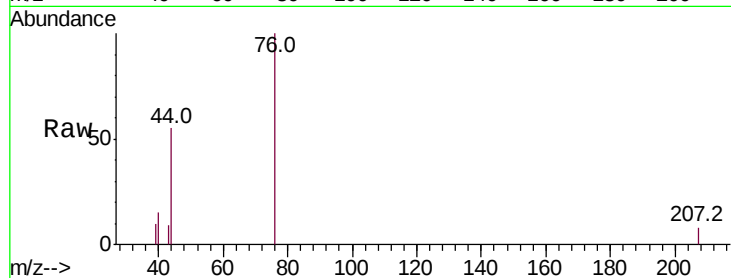
DRUM-COMP-2

Tot Ion: 76 Resp: 5011

Ion Ratio Lower Upper

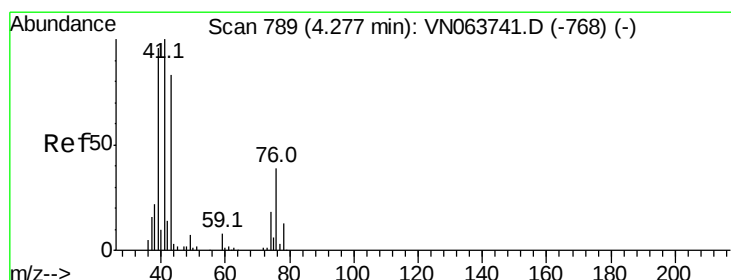
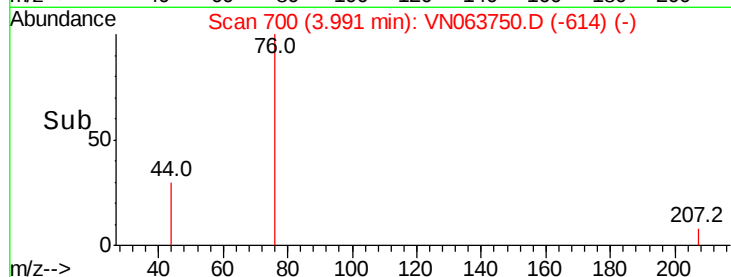
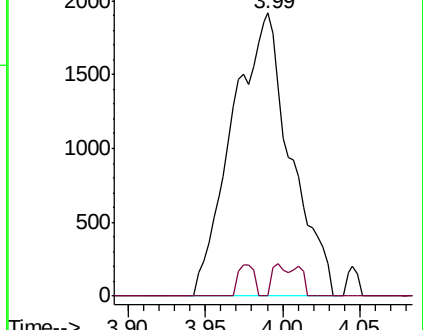
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)



#18

Methyl Acetate

Concen: 3.022 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063750.D

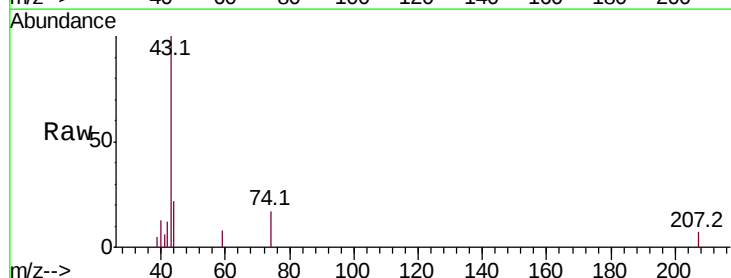
Acq: 30 Sep 2020 15:32

Tgt Ion: 43 Resp: 8937

Ion Ratio Lower Upper

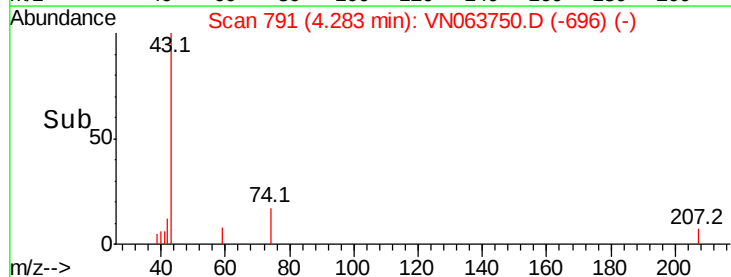
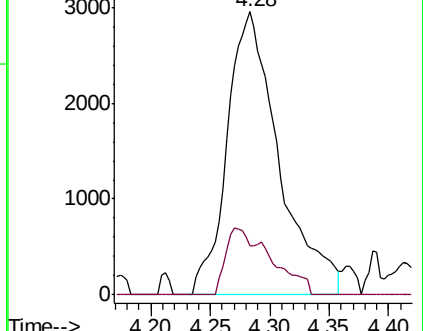
43 100

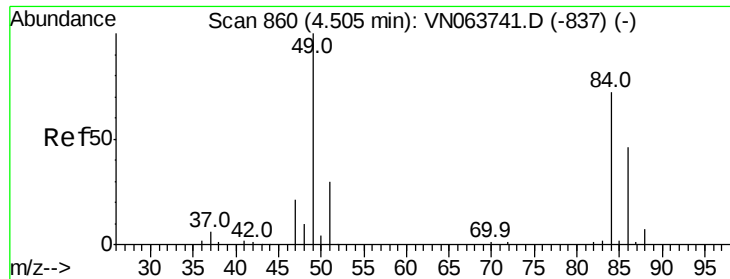
74 11.4 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063750.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN063750.D (-696) (-)

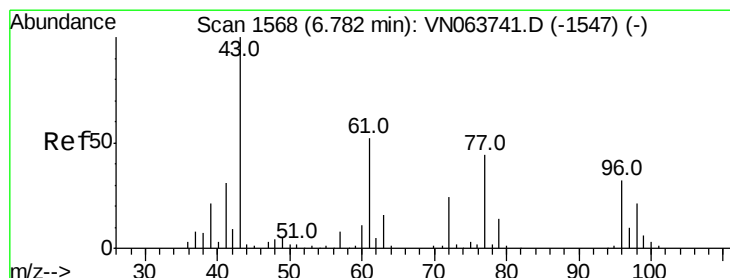
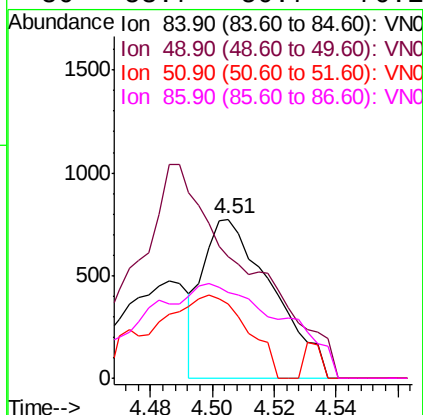
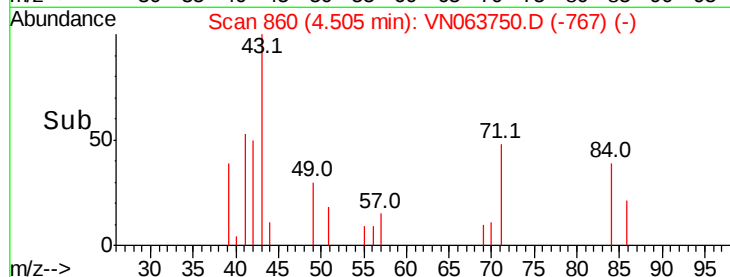
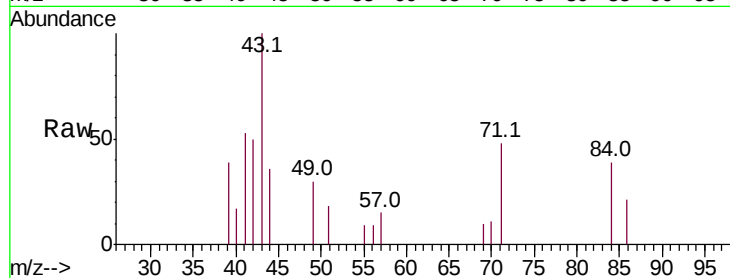




#20  
Methvlene Chloride  
Concen: 0.559 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

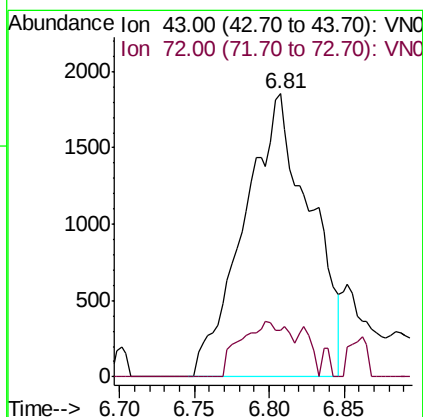
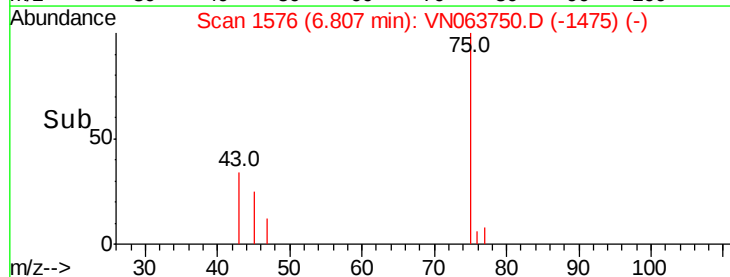
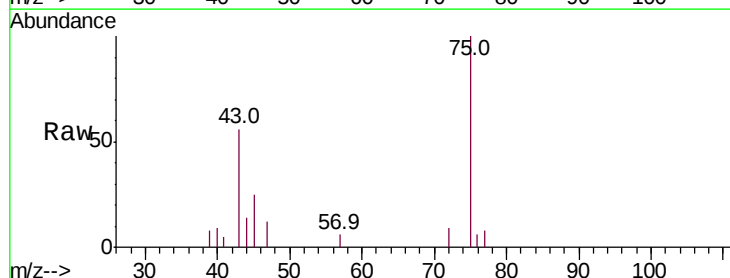
Instrument :  
MSVOA\_N  
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DRUM-COMP-2

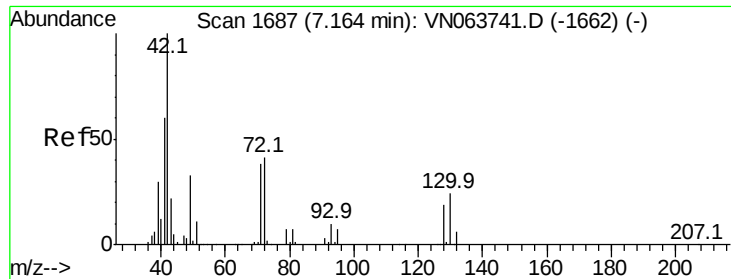
Tot Ion: 84 Resp: 1204  
Ion Ratio Lower Upper  
84 100  
49 76.6 110.4 165.6#  
51 46.6 33.3 49.9  
86 53.7 50.7 76.1



#25  
2-Butanone  
Concen: 3.528 ug/l  
RT: 6.81 min Scan# 1576  
Delta R.T. 0.03 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion: 43 Resp: 5698  
Ion Ratio Lower Upper  
43 100  
72 16.7 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.268 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DRUM-COMP-2

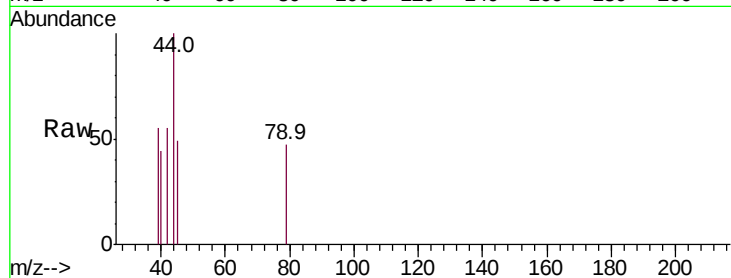
Tot Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

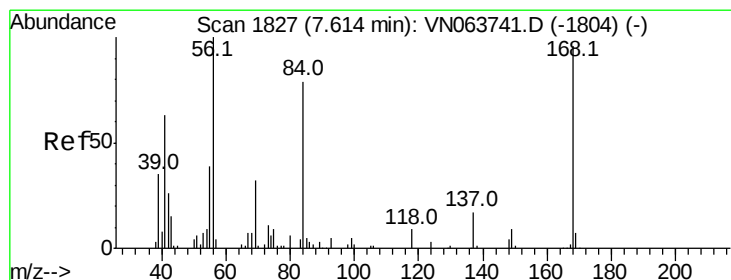
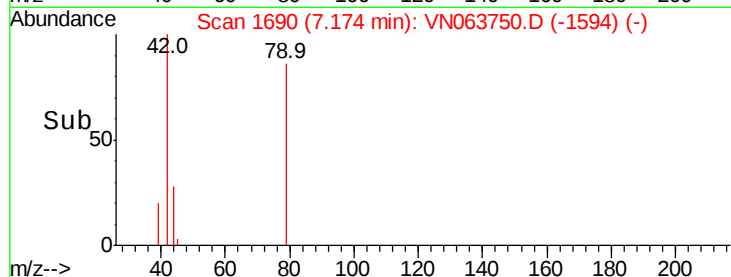
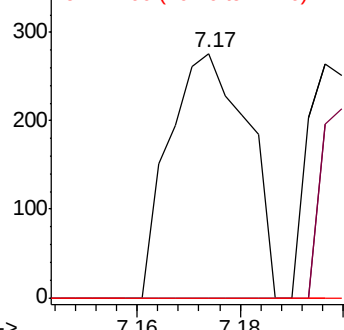
71 0.0 30.6 45.8#



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



#31

Cyclohexane

Concen: 3.449 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

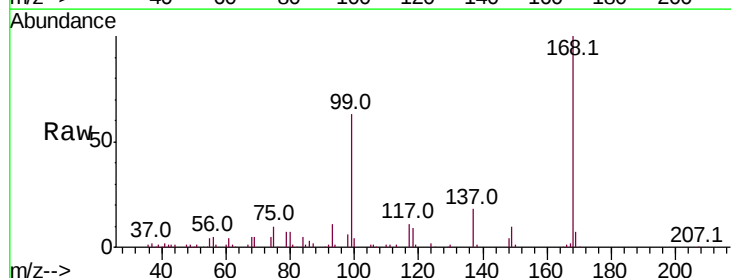
Tgt Ion: 56 Resp: 14819

Ion Ratio Lower Upper

56 100

69 88.9 25.4 38.2#

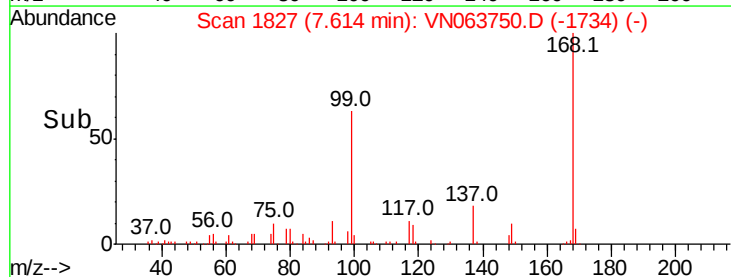
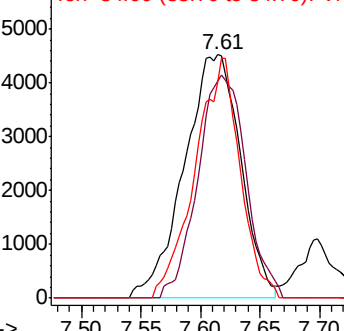
84 88.3 63.3 94.9

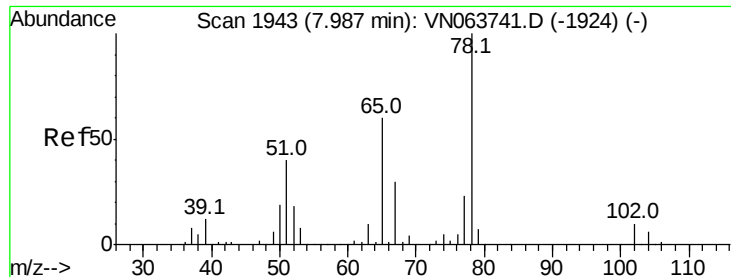


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

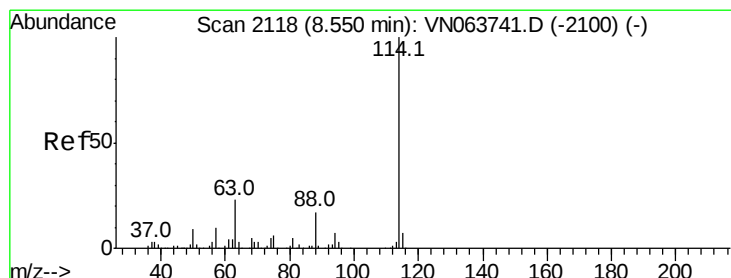
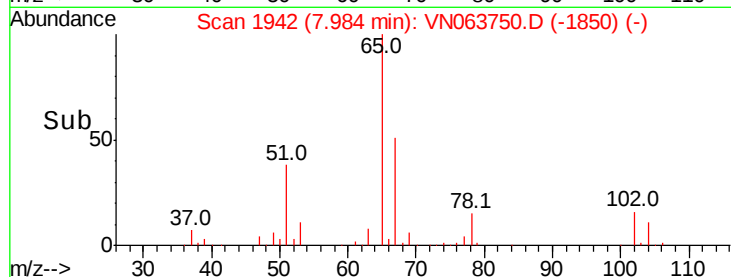
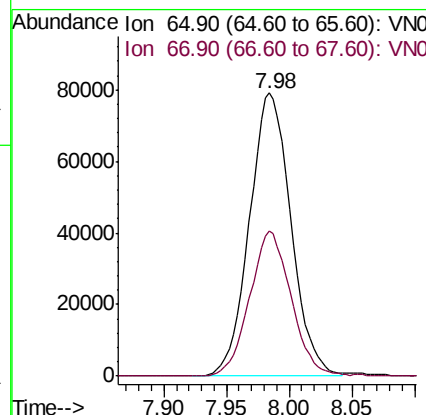
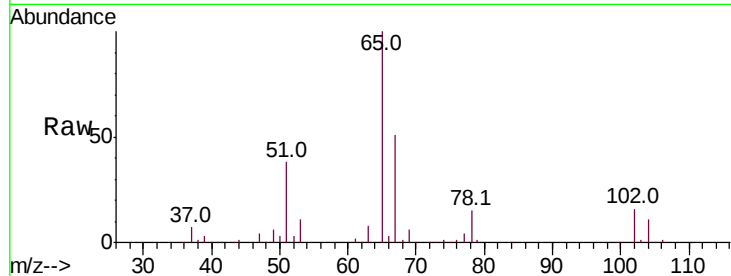




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.222 ug/l  
 RT: 7.98 min Scan# 1942  
 Delta R.T. -0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

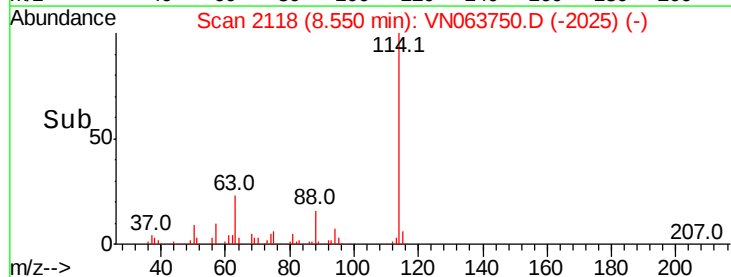
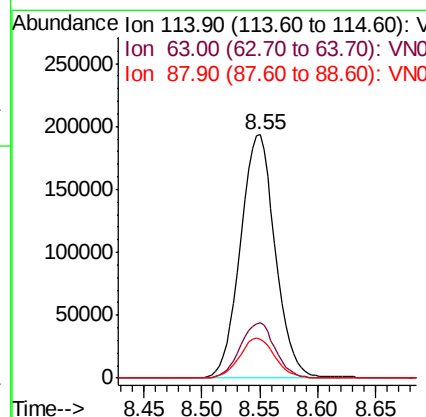
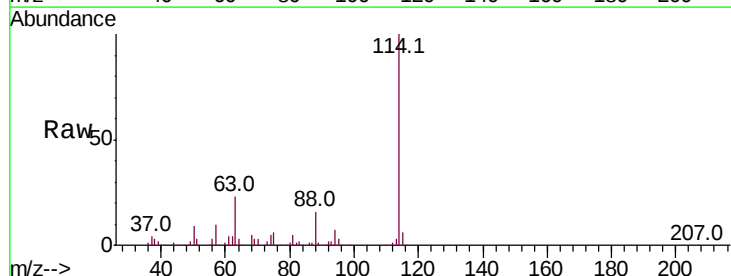
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

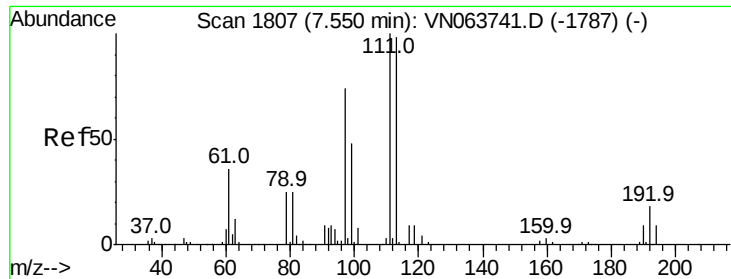
Tot Ion: 65 Resp: 182142  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 99.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Tgt Ion: 114 Resp: 404367  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 45.0  
 88 15.9 0.0 34.0

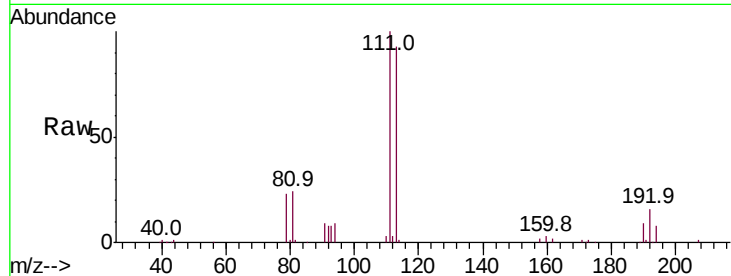




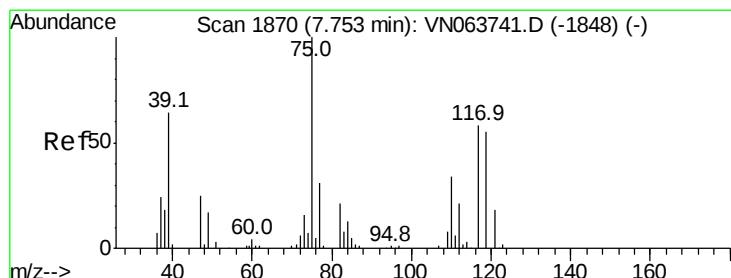
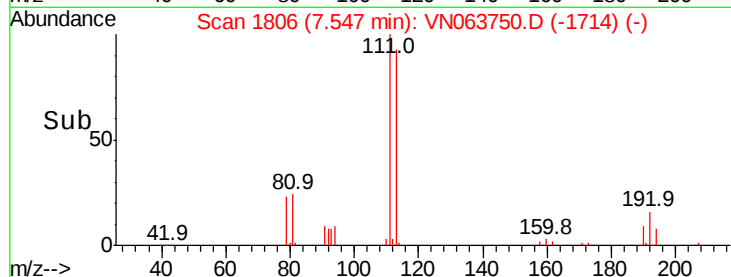
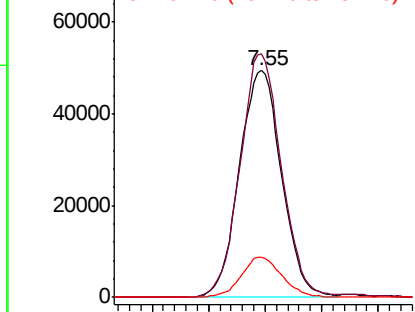
#35  
 Dibromofluoromethane  
 Concen: 45.707 ug/l  
 RT: 7.55 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

Tot Ion:113 Resp: 128246  
 Ion Ratio Lower Upper  
 113 100  
 111 105.1 81.8 122.8  
 192 17.1 14.2 21.2

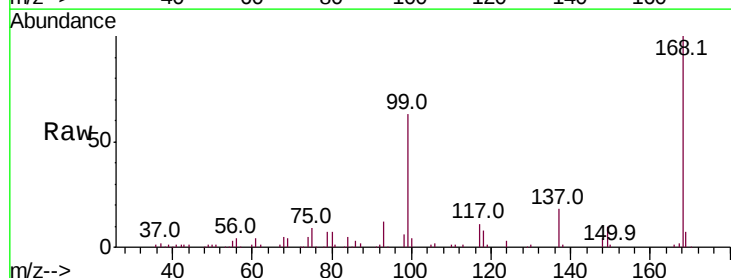


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

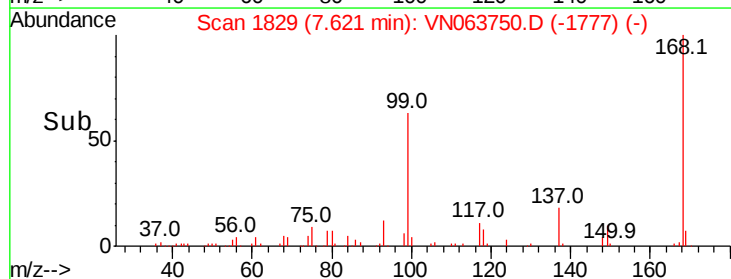
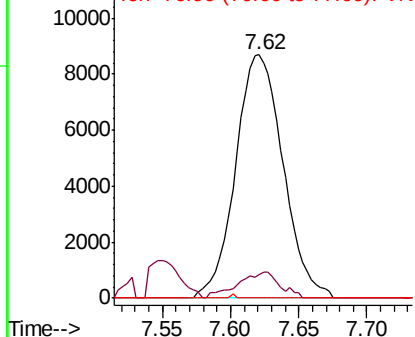


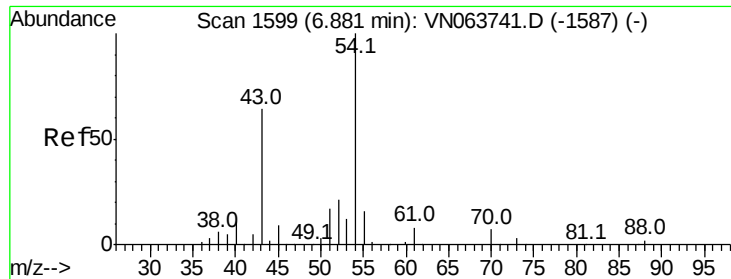
#36  
 1,1-Dichloropropene  
 Concen: 5.125 ug/l  
 RT: 7.62 min Scan# 1829  
 Delta R.T. -0.13 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Tgt Ion: 75 Resp: 20994  
 Ion Ratio Lower Upper  
 75 100  
 110 9.5 16.9 50.6#  
 77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

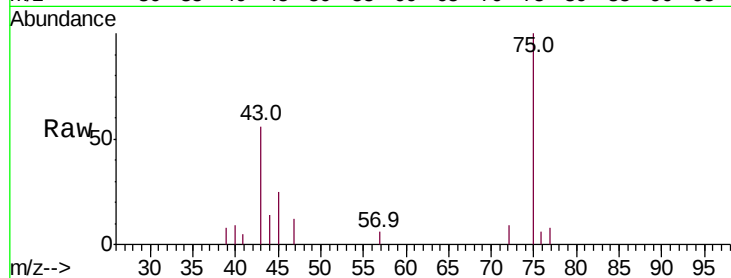




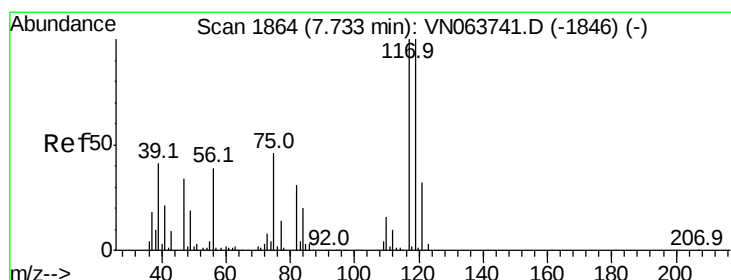
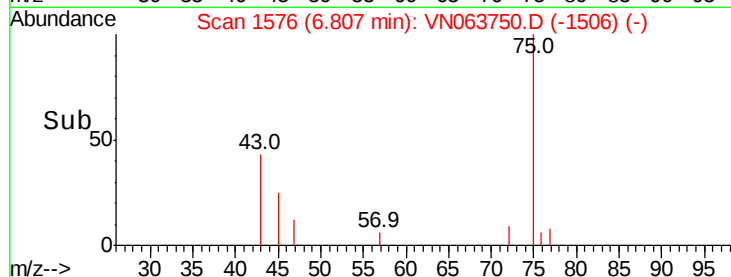
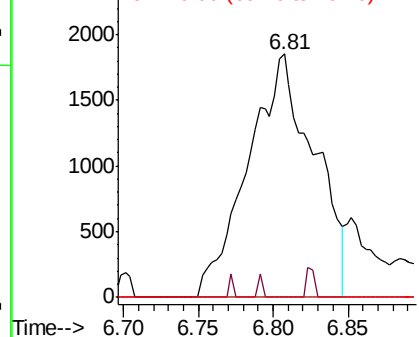
#37  
Ethyl Acetate  
Concen: 1.400 ug/l  
RT: 6.81 min Scan# 1576  
Delta R.T. -0.07 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM-COMP-2

Tot Ion: 43 Resp: 5698  
Ion Ratio Lower Upper  
43 100  
61 0.6 10.4 15.6#  
70 0.0 7.3 10.9#

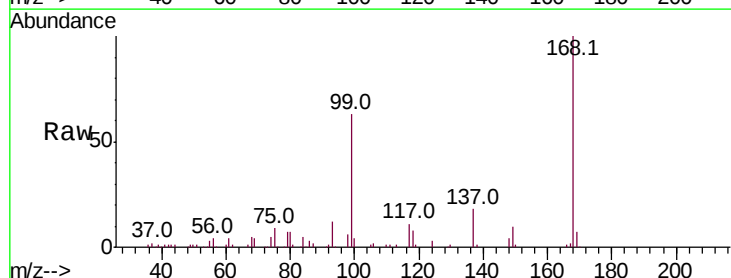


Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1587) (-)  
Ion 60.90 (60.60 to 61.60): VN063741.D (-1587) (-)  
Ion 70.00 (69.70 to 70.70): VN063741.D (-1587) (-)

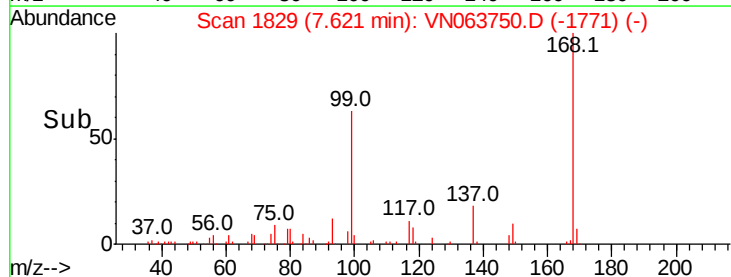
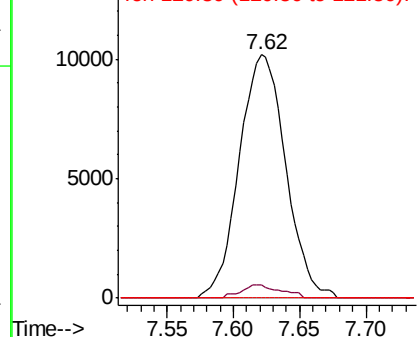


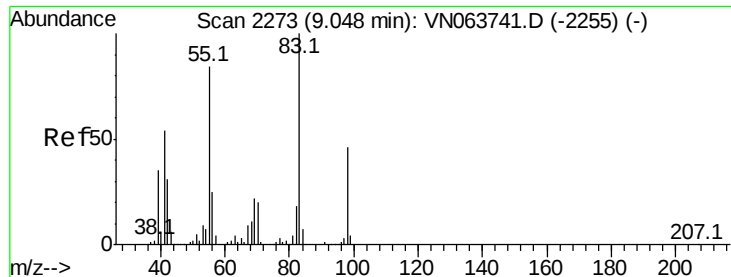
#38  
Carbon Tetrachloride  
Concen: 5.409 ug/l  
RT: 7.62 min Scan# 1829  
Delta R.T. -0.11 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion: 117 Resp: 24849  
Ion Ratio Lower Upper  
117 100  
119 5.2 80.1 120.1#  
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)  
Ion 118.80 (118.50 to 119.50): VN063741.D (-1846) (-)  
Ion 120.80 (120.50 to 121.50): VN063741.D (-1846) (-)

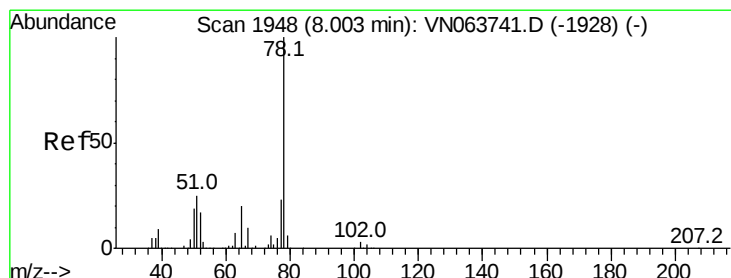
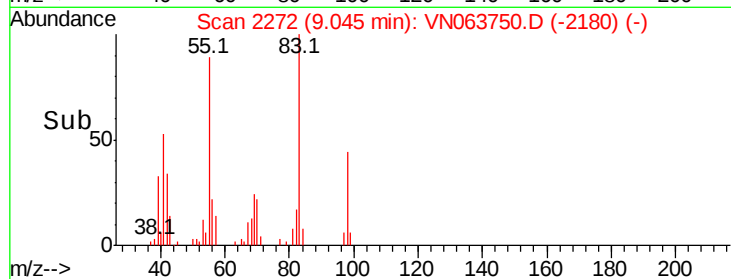
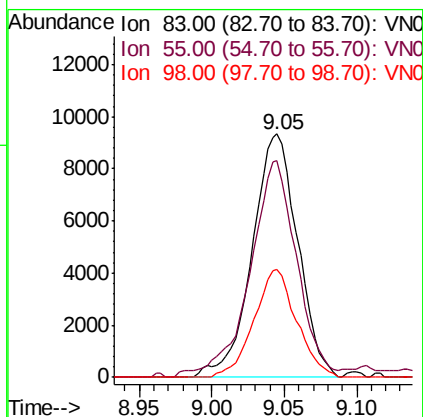
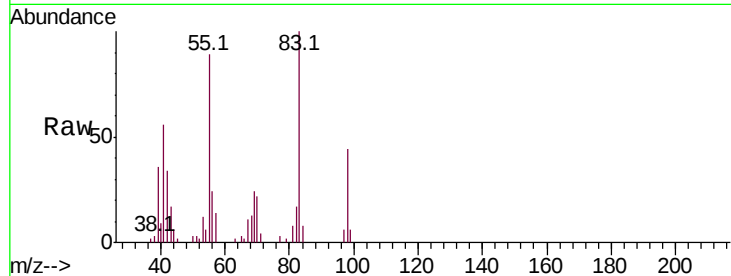




#39  
Methvlcvclohexane  
Concen: 5.004 ug/l  
RT: 9.05 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

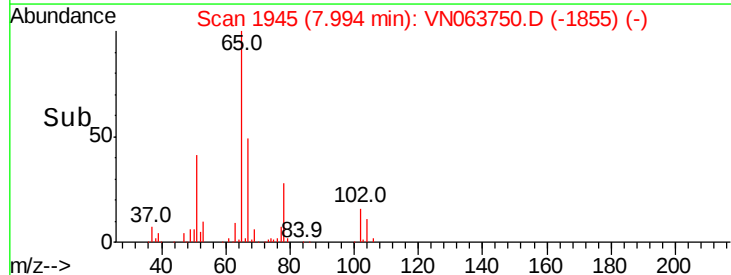
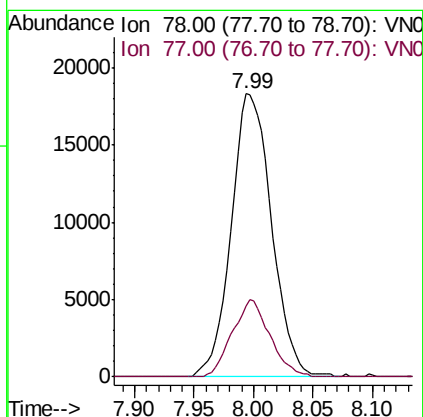
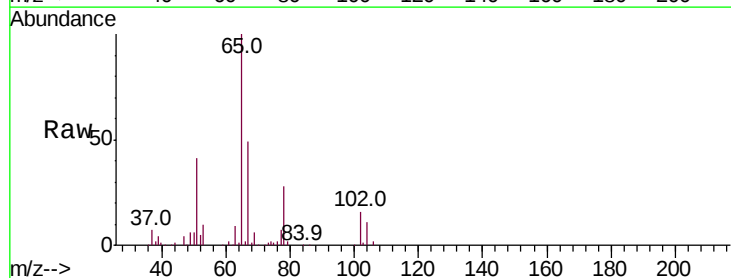
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM-COMP-2

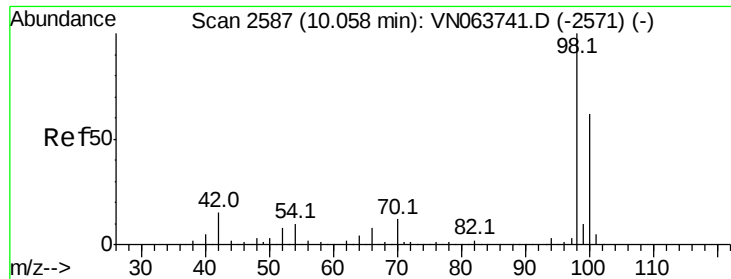
Tot Ion: 83 Resp: 20443  
Ion Ratio Lower Upper  
83 100  
55 86.5 67.1 100.7  
98 44.1 36.6 54.8



#40  
Benzene  
Concen: 3.673 ug/l  
RT: 7.99 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion: 78 Resp: 42977  
Ion Ratio Lower Upper  
78 100  
77 25.2 18.7 28.1





#50

Toluene-d8

Concen: 49.486 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

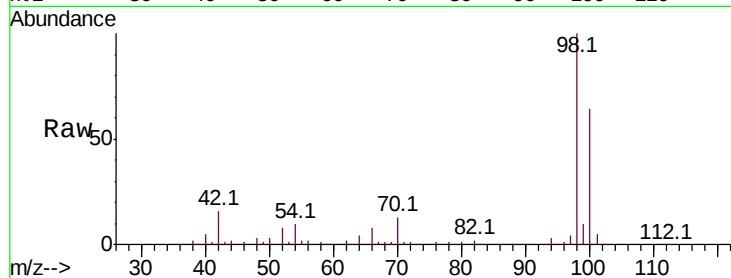
DRUM-COMP-2

Tot Ion: 98 Resp: 526356

Ion Ratio Lower Upper

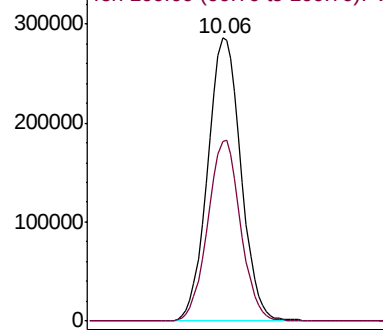
98 100

100 63.1 49.8 74.6

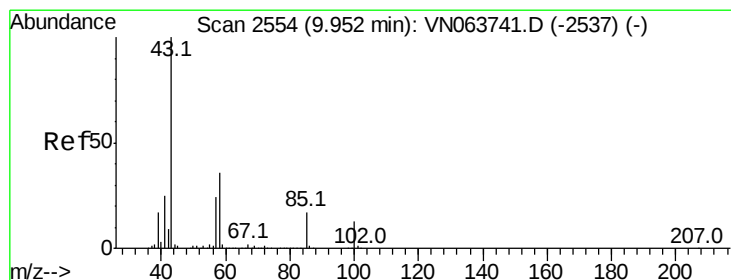
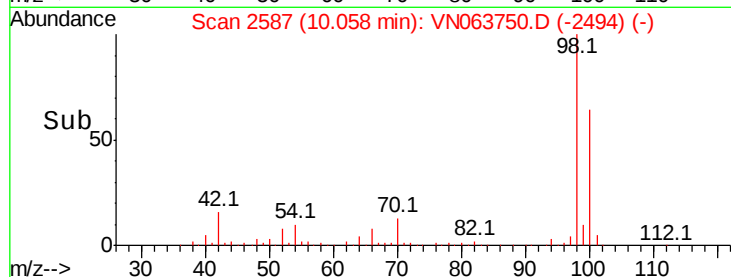


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.210 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063750.D

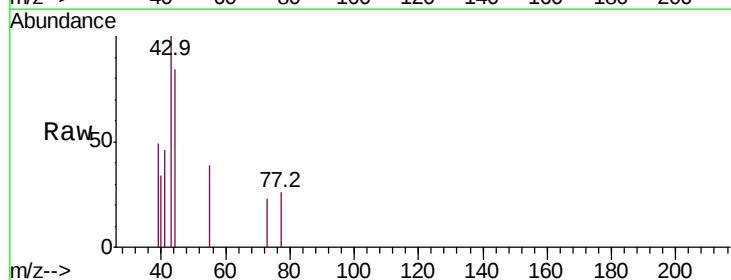
Acq: 30 Sep 2020 15:32

Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

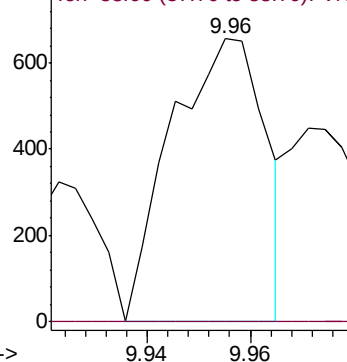
43 100

58 0.0 28.4 42.6#

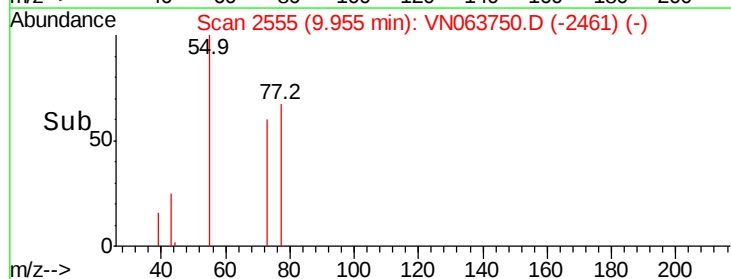


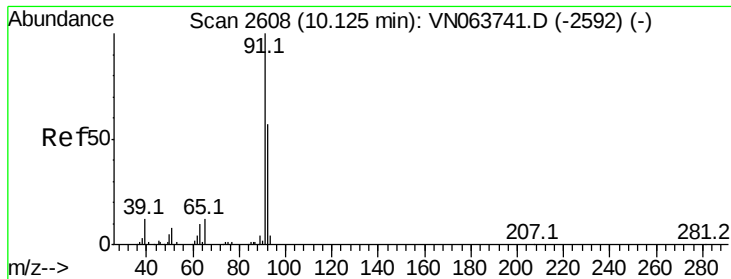
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#52

Toluene

Concen: 11.639 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

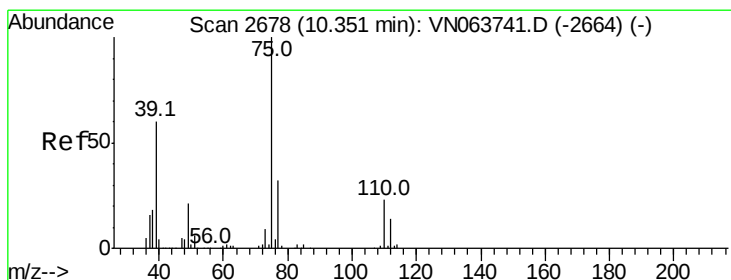
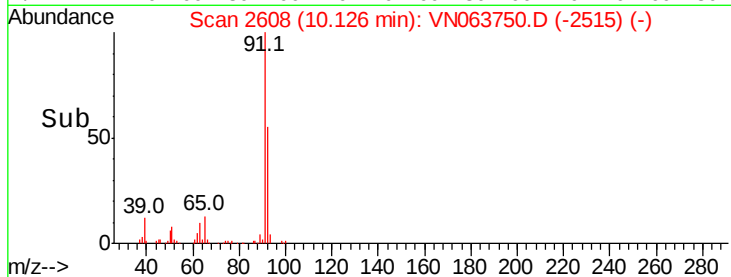
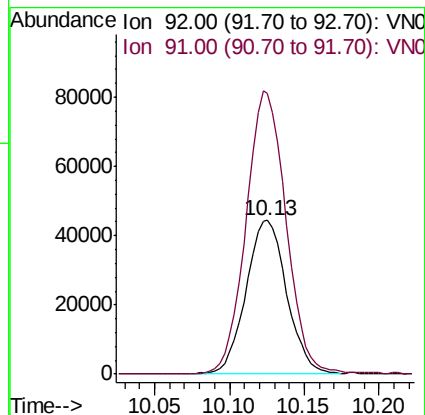
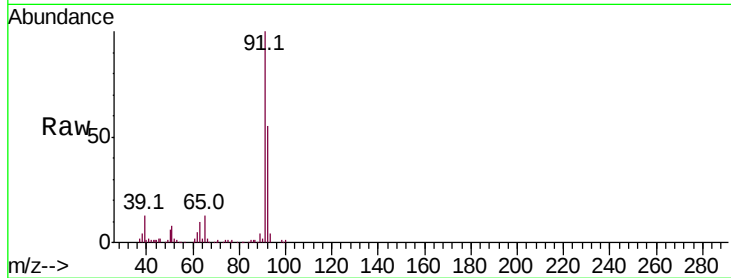
DRUM-COMP-2

Tot Ion: 92 Resp: 84239

Ion Ratio Lower Upper

92 100

91 181.4 140.6 210.8



#53

t-1,3-Dichloropropene

Concen: 0.207 ug/l

RT: 10.21 min Scan# 2635

Delta R.T. -0.14 min

Lab File: VN063750.D

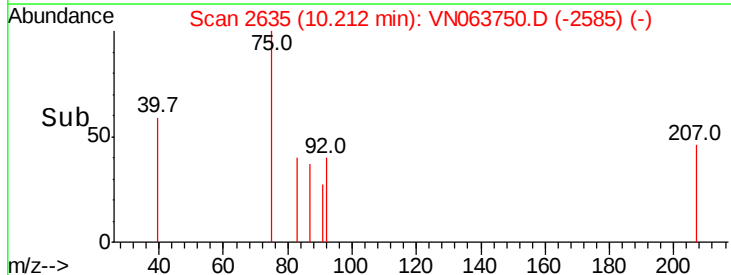
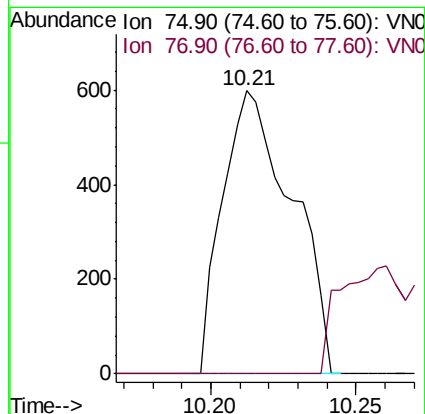
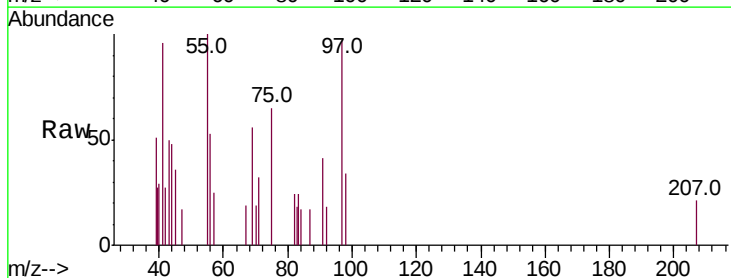
Acq: 30 Sep 2020 15:32

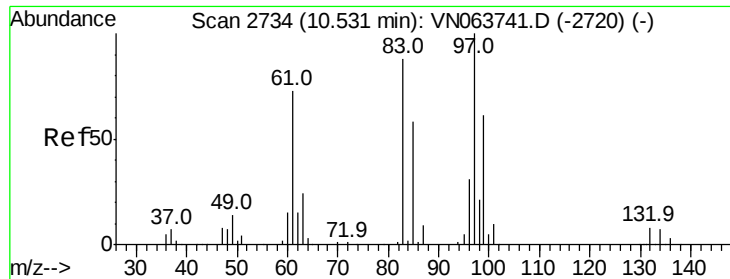
Tgt Ion: 75 Resp: 995

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

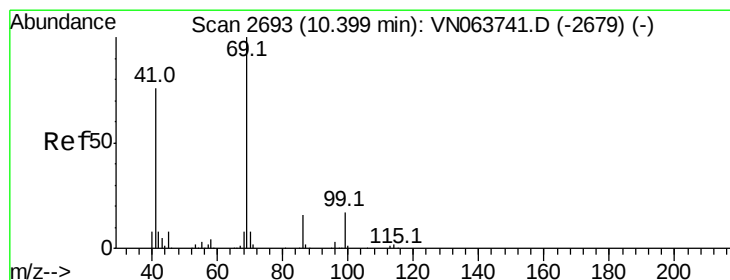
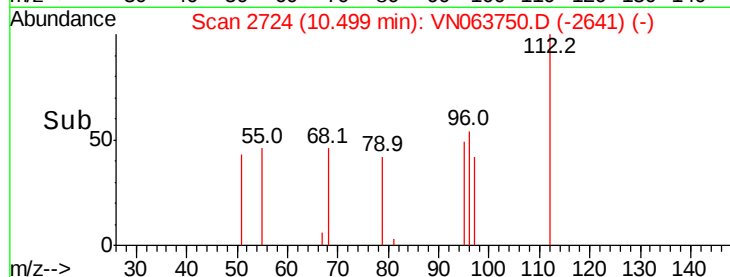
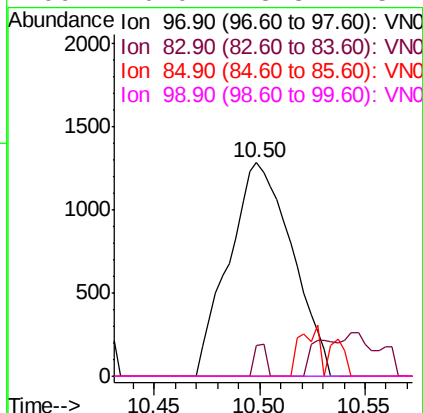
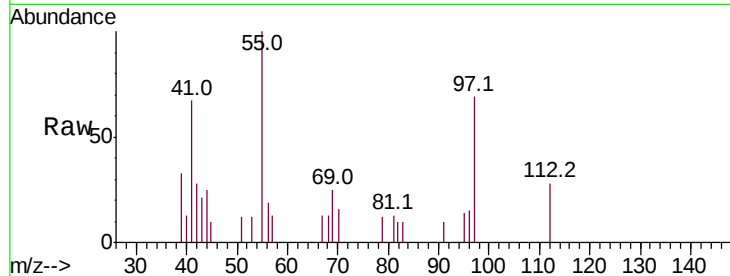




#55  
 1,1,2-Trichloroethane  
 Concen: 0.920 ug/l  
 RT: 10.50 min Scan# 2724  
 Delta R.T. -0.03 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

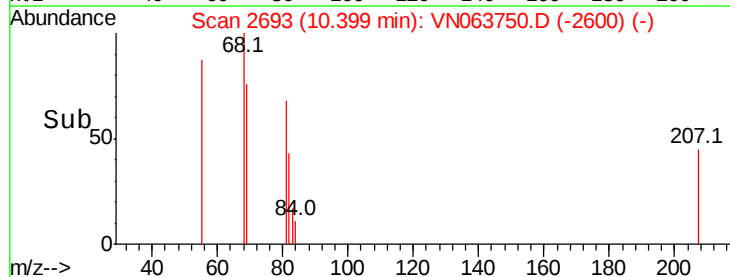
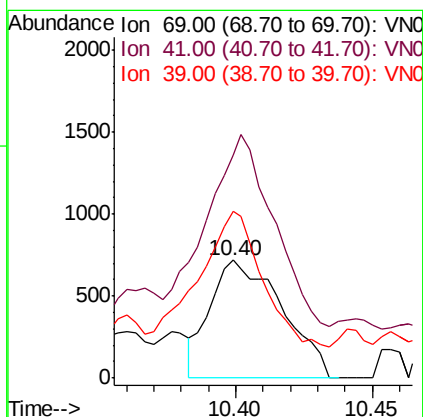
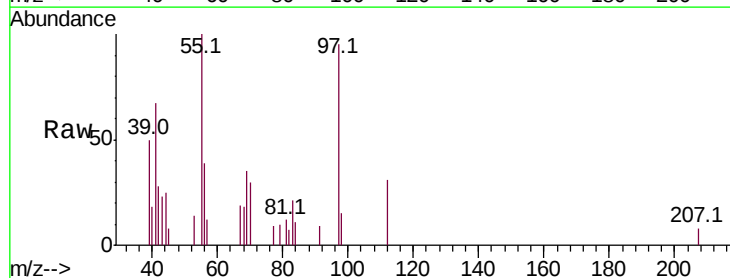
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

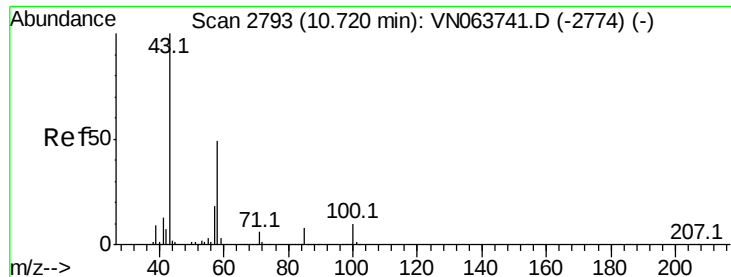
Tot Ion: 97 Resp: 2669  
 Ion Ratio Lower Upper  
 97 100  
 83 14.4 70.7 106.1#  
 85 0.0 46.1 69.1#  
 99 0.0 48.8 73.2#



#56  
 Ethyl methacrylate  
 Concen: 0.321 ug/l  
 RT: 10.40 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Tgt Ion: 69 Resp: 1319  
 Ion Ratio Lower Upper  
 69 100  
 41 151.6 61.1 91.7#  
 39 102.1 42.2 63.4#





#59

2-Hexanone

Concen: 2.024 ug/l

RT: 10.69 min Scan# 2783

Delta R.T. -0.03 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

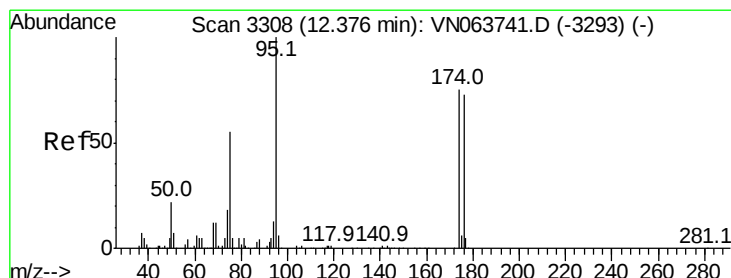
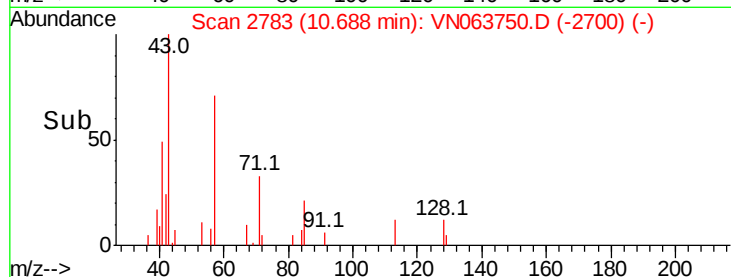
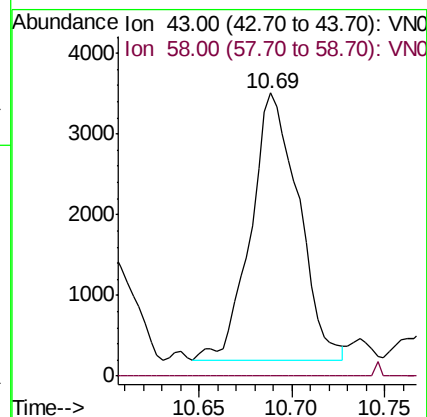
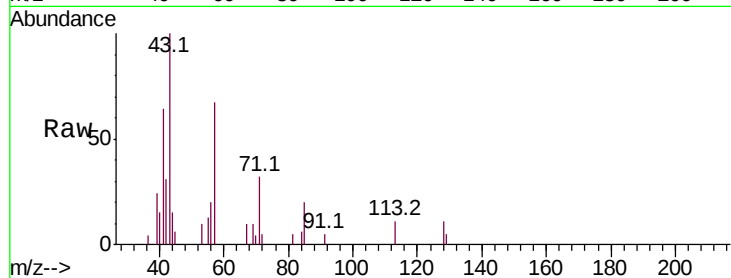
DRUM-COMP-2

Tot Ion: 43 Resp: 5924

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 53.541 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

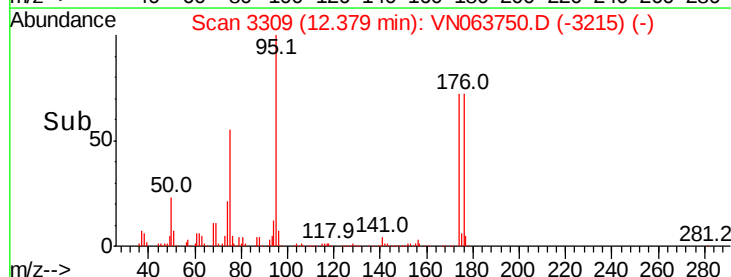
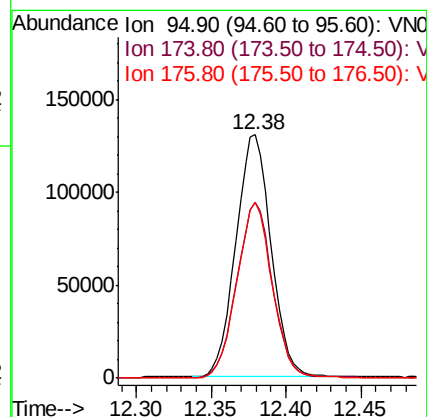
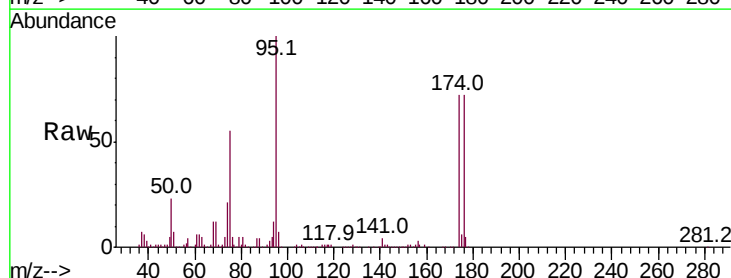
Tgt Ion: 95 Resp: 214076

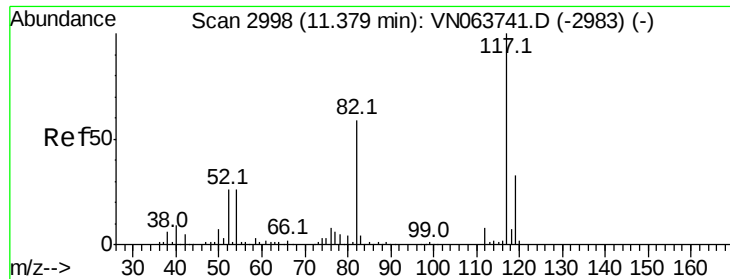
Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.6

176 73.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DRUM-COMP-2

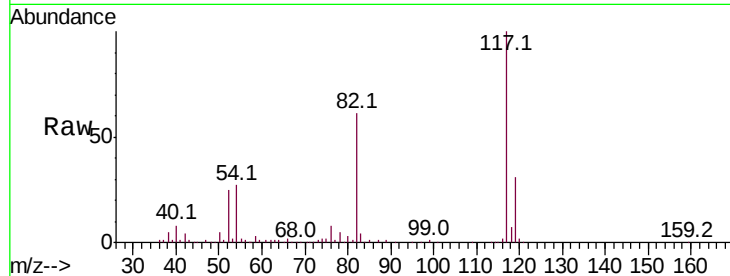
Tot Ion:117 Resp: 415775

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

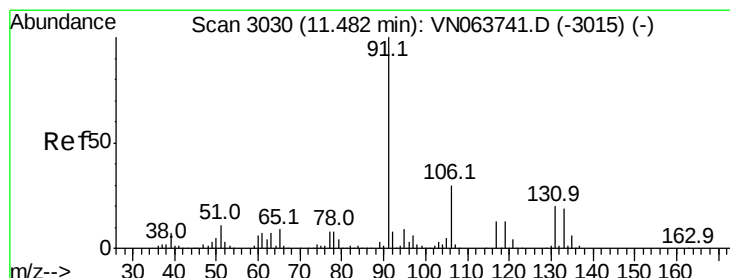
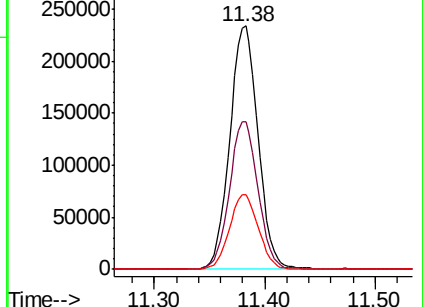
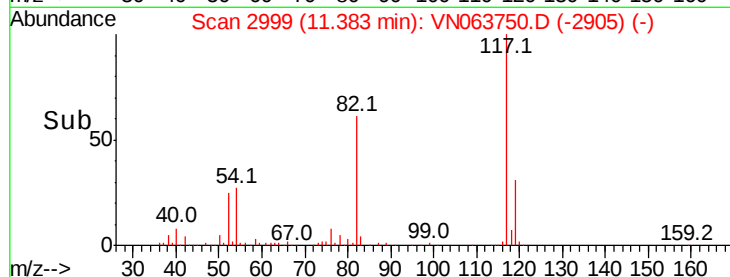
119 30.9 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 2.631 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063750.D

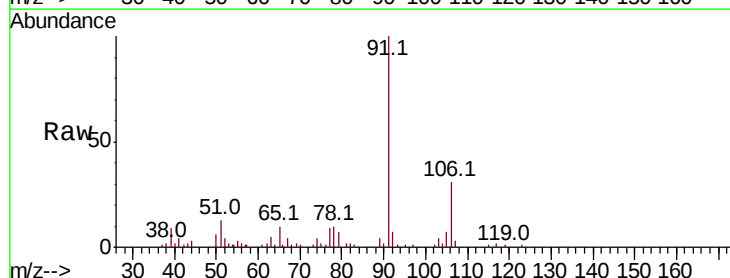
Acq: 30 Sep 2020 15:32

Tgt Ion: 91 Resp: 40829

Ion Ratio Lower Upper

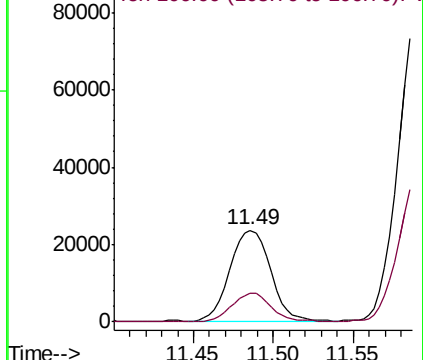
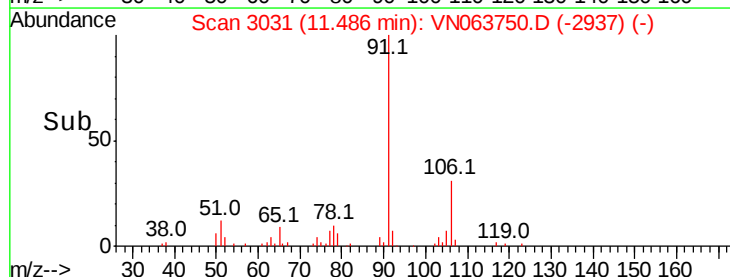
91 100

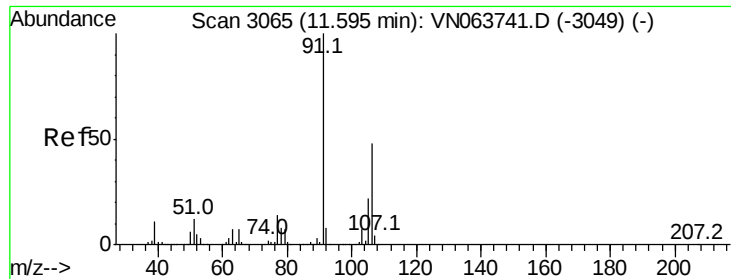
106 31.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

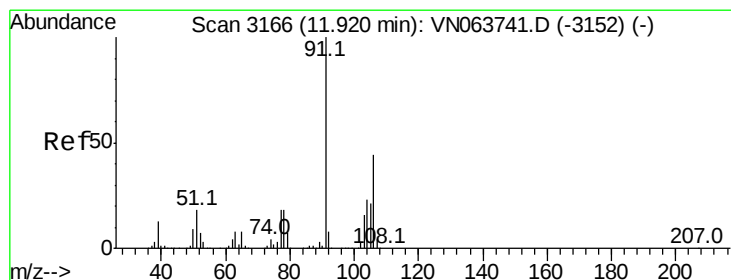
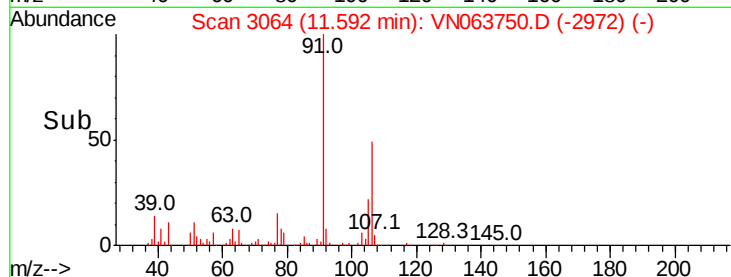
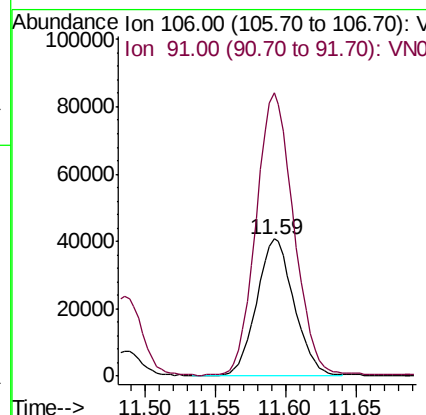
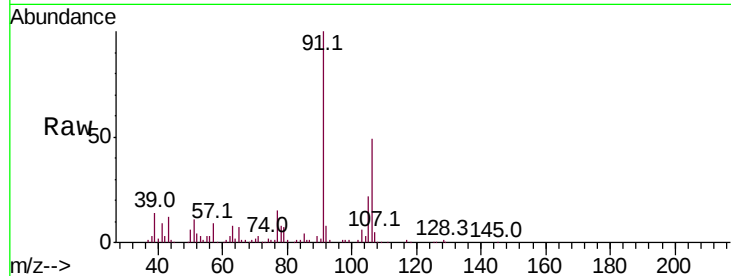




#68  
m/p-Xylenes  
Concen: 12.965 ug/l  
RT: 11.59 min Scan# 3064  
Delta R.T. -0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

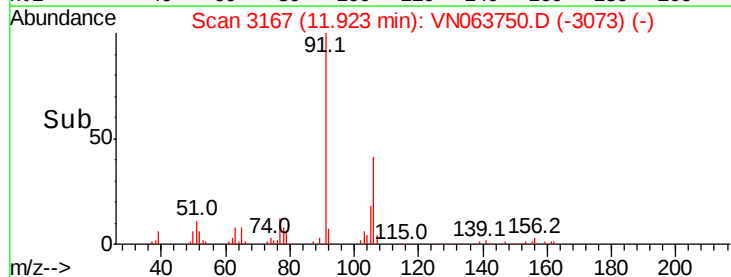
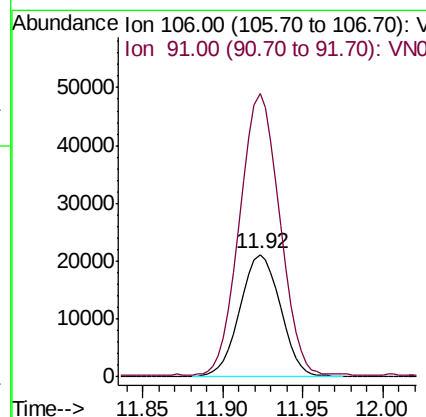
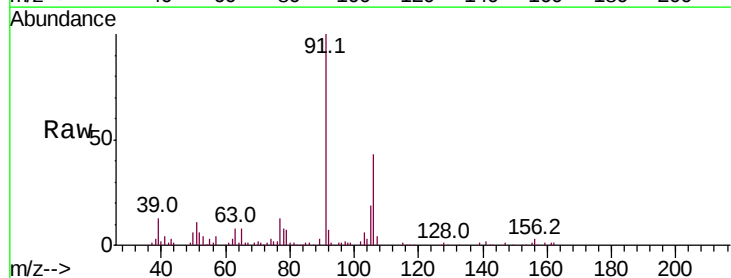
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM-COMP-2

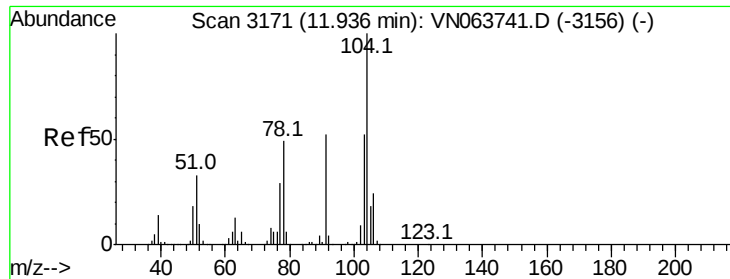
Tot Ion:106 Resp: 74992  
Ion Ratio Lower Upper  
106 100  
91 208.8 168.0 252.0



#69  
o-Xylene  
Concen: 6.785 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion:106 Resp: 36682  
Ion Ratio Lower Upper  
106 100  
91 226.2 112.7 338.0

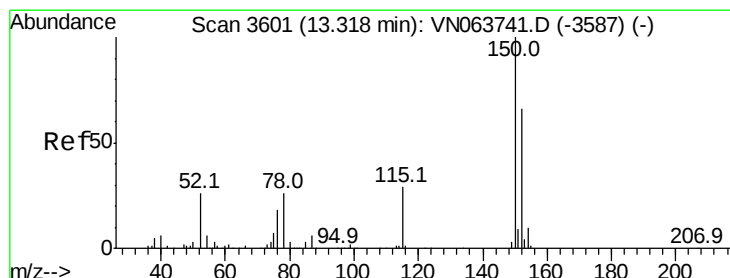
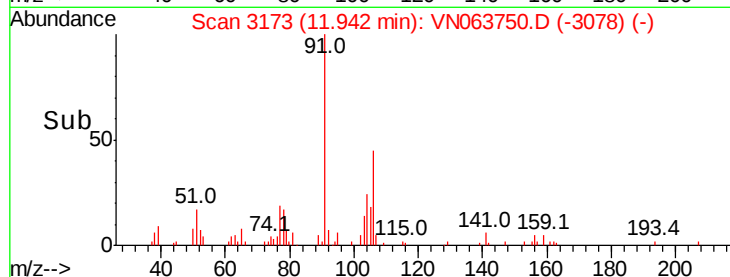
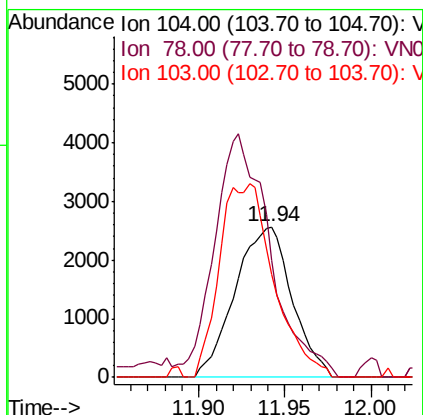
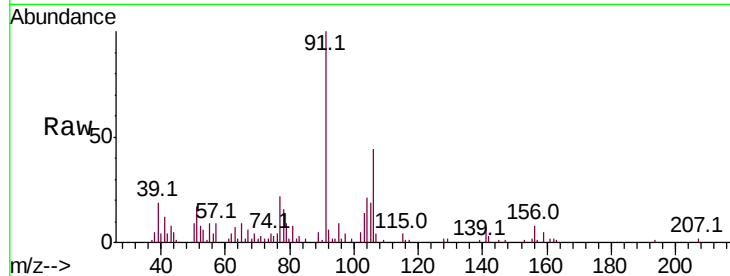




#70  
Stvrene  
Concen: 0.641 ug/l  
RT: 11.94 min Scan# 3173  
Delta R.T. 0.01 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

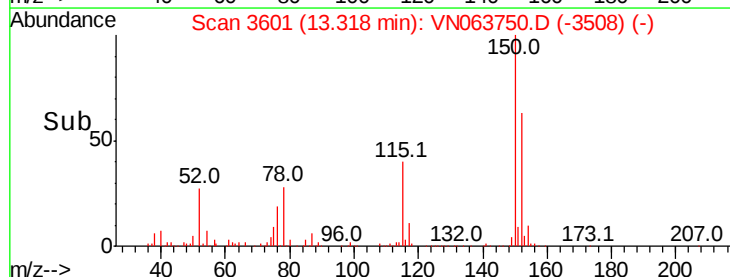
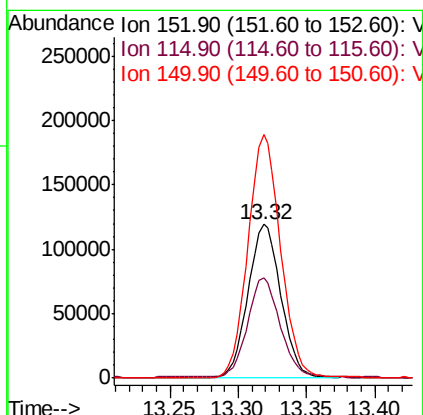
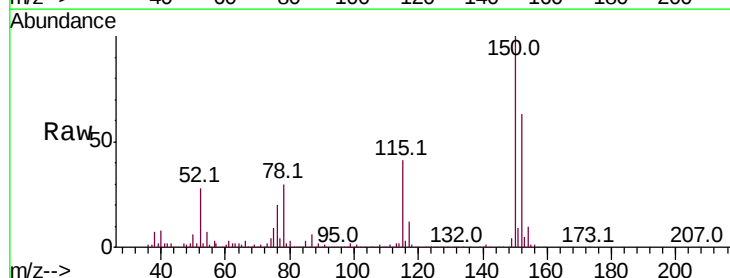
Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM-COMP-2

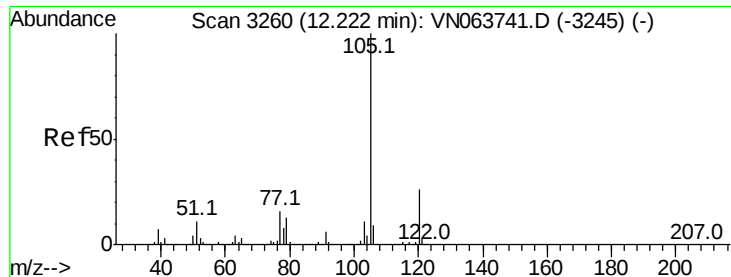
Tot Ion:104 Resp: 5880  
Ion Ratio Lower Upper  
104 100  
78 159.1 44.1 66.1#  
103 123.4 44.3 66.5#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion:152 Resp: 198947  
Ion Ratio Lower Upper  
152 100  
115 64.3 31.3 93.8  
150 157.9 0.0 341.8





#73

Isopropylbenzene

Concen: 0.523 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

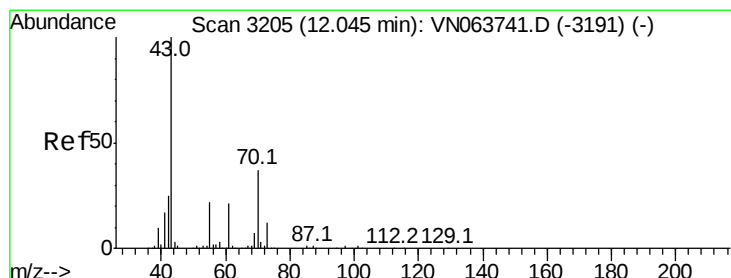
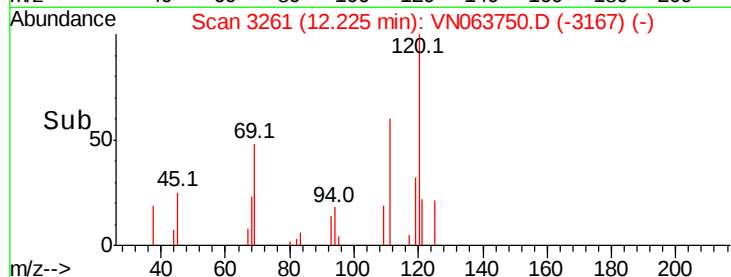
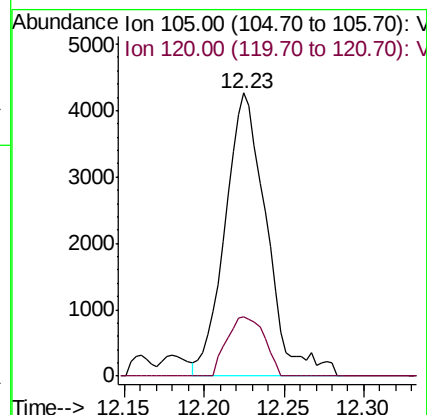
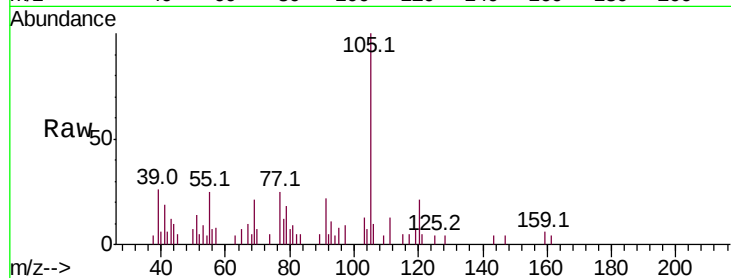
DRUM-COMP-2

Tot Ion:105 Resp: 7595

Ion Ratio Lower Upper

105 100

120 18.6 12.6 37.8



#74

N-ethyl acetate

Concen: 2.292 ug/l

RT: 12.07 min Scan# 3212

Delta R.T. 0.02 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Tgt Ion: 43 Resp: 535

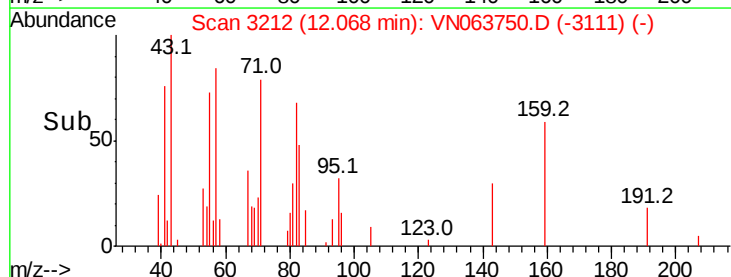
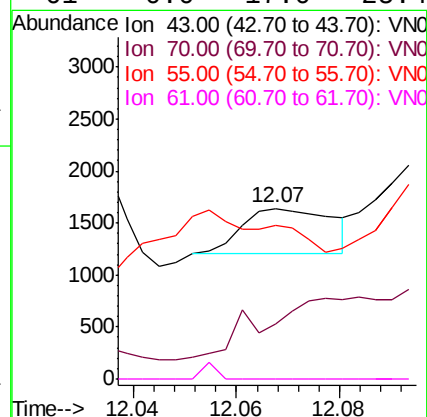
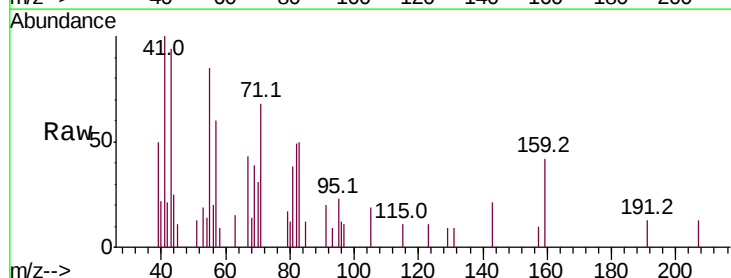
Ion Ratio Lower Upper

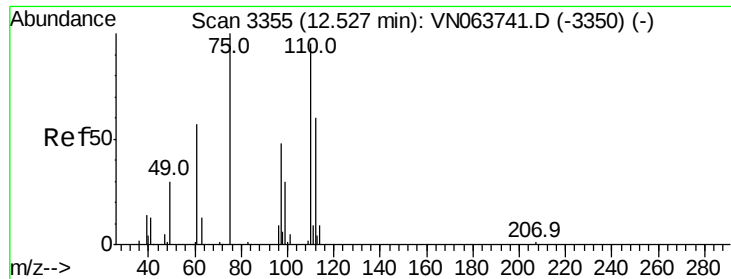
43 100

70 0.0 29.8 44.8#

55 305.6 17.9 26.9#

61 0.0 17.0 25.4#





#76

1,2,3-Trichloropropane

Concen: 28.603 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

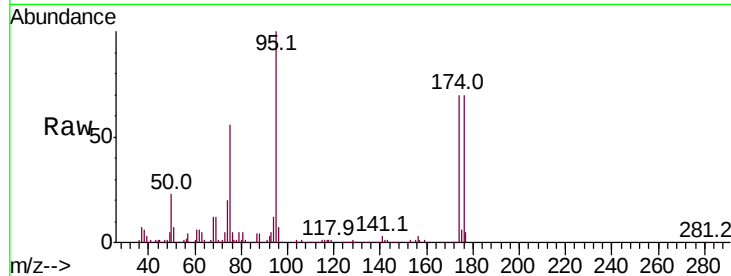
DRUM-COMP-2

Tot Ion: 75 Resp: 125440

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

60000

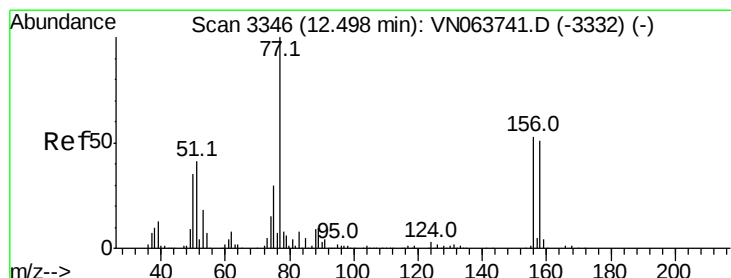
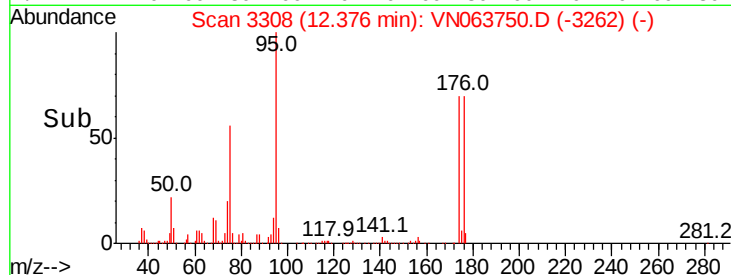
40000

20000

0

Time-->

12.30 12.35 12.40 12.45



#77

Bromobenzene

Concen: 7.004 ug/l

RT: 12.42 min Scan# 3322

Delta R.T. -0.08 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

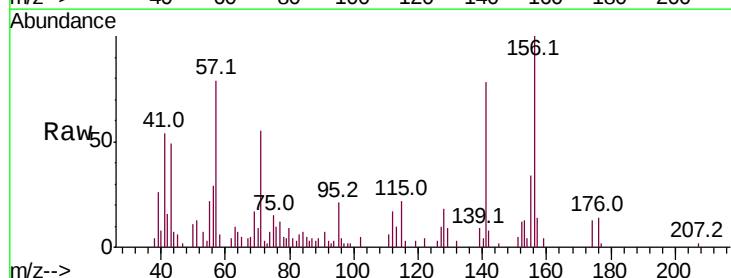
Tgt Ion: 156 Resp: 24940

Ion Ratio Lower Upper

156 100

77 1.6 110.9 332.7#

158 0.3 47.7 143.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

10000

8000

6000

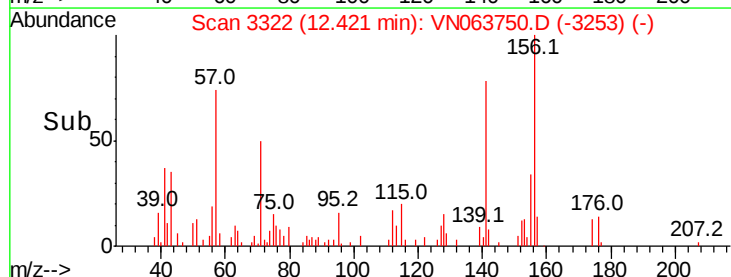
4000

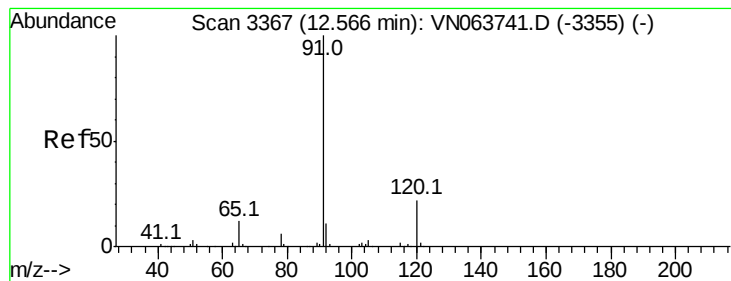
2000

0

Time-->

12.30 12.40





#78

n-propylbenzene

Concen: 0.862 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

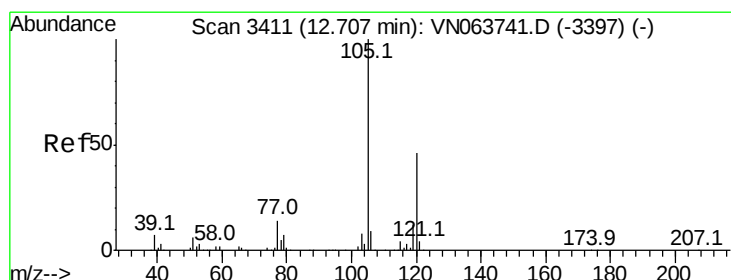
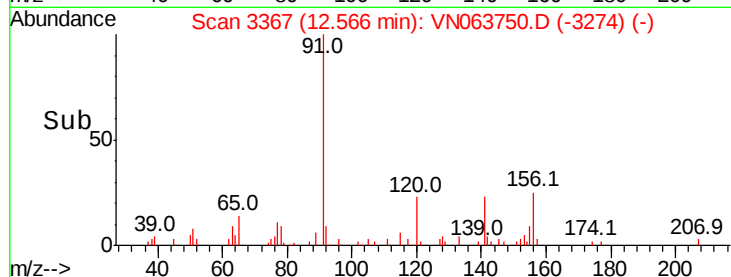
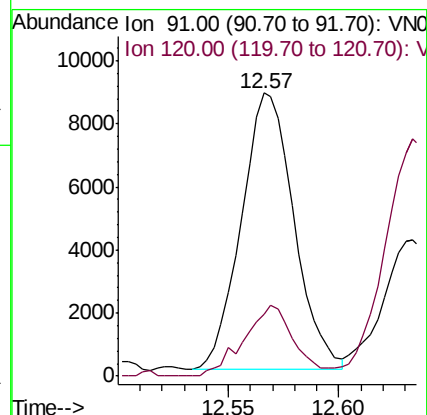
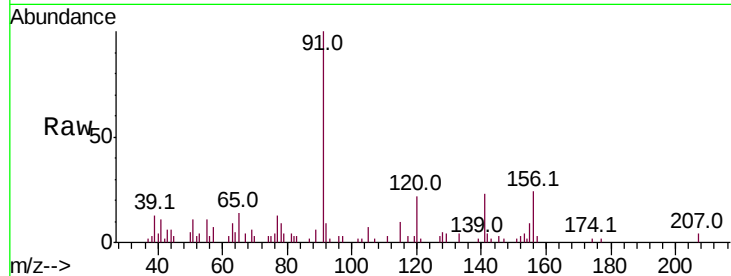
DRUM-COMP-2

Tot Ion: 91 Resp: 14553

Ion Ratio Lower Upper

91 100

120 24.3 11.1 33.1



#80

1,3,5-Trimethylbenzene

Concen: 3.735 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063750.D

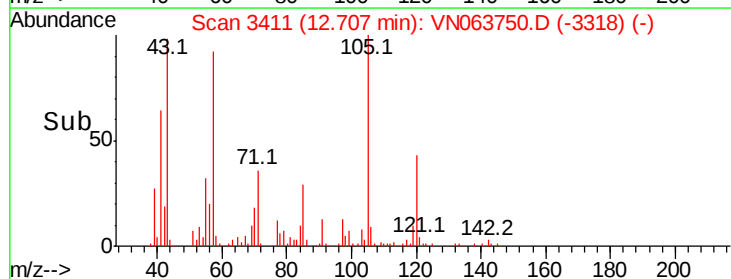
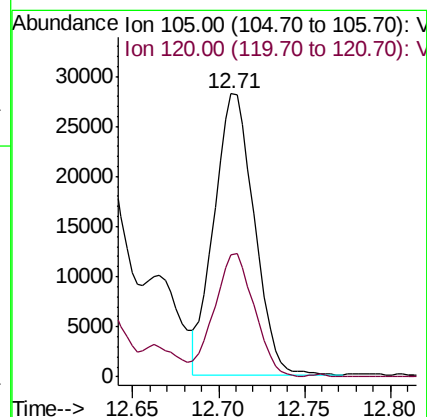
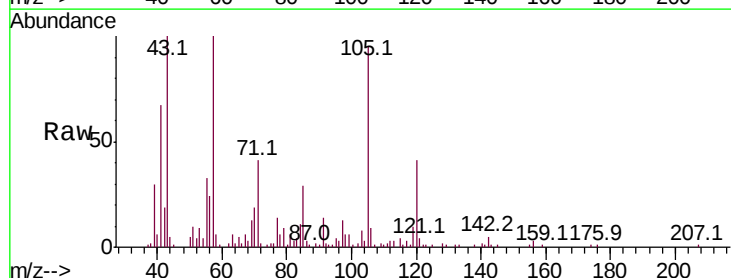
Acq: 30 Sep 2020 15:32

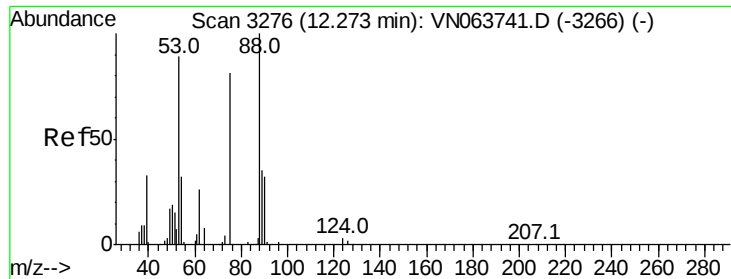
Tgt Ion: 105 Resp: 45474

Ion Ratio Lower Upper

105 100

120 44.5 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 82.381 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DRUM-COMP-2

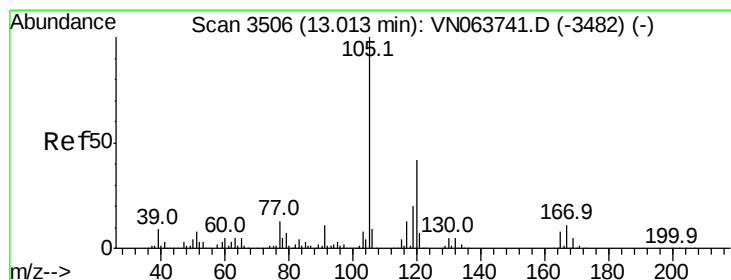
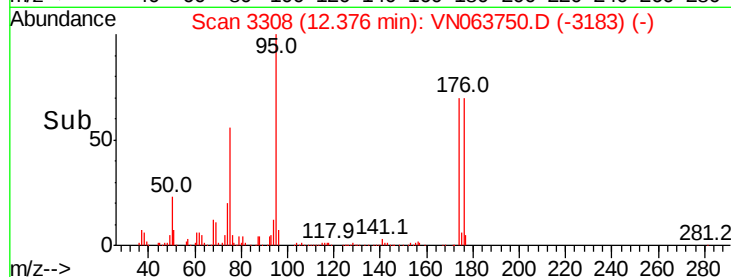
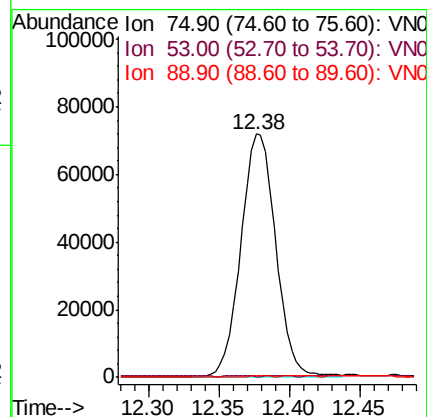
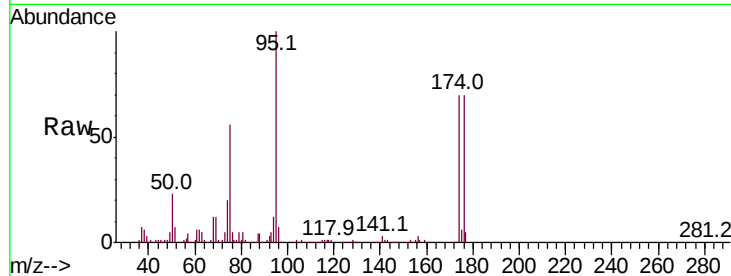
Tot Ion: 75 Resp: 125440

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.2 36.0 54.0#



#84

1,2,4-Trimethylbenzene

Concen: 6.923 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063750.D

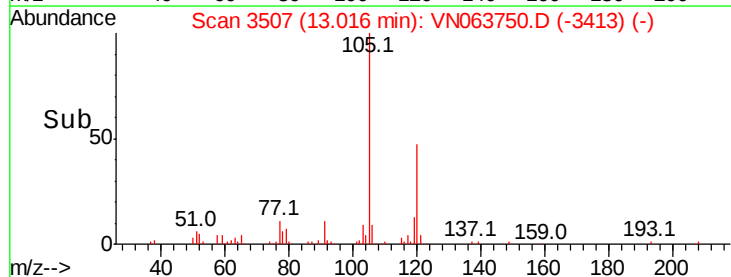
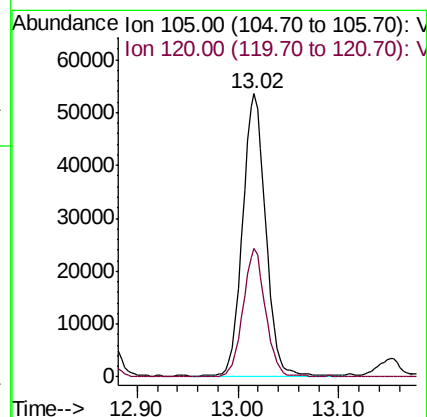
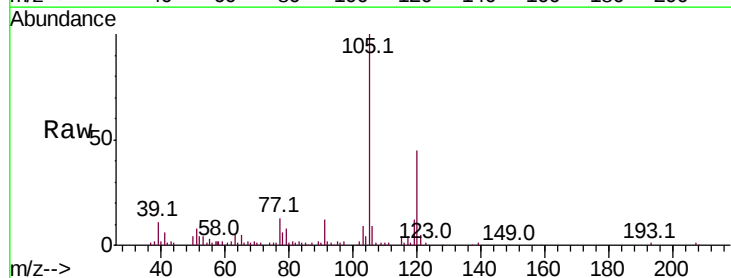
Acq: 30 Sep 2020 15:32

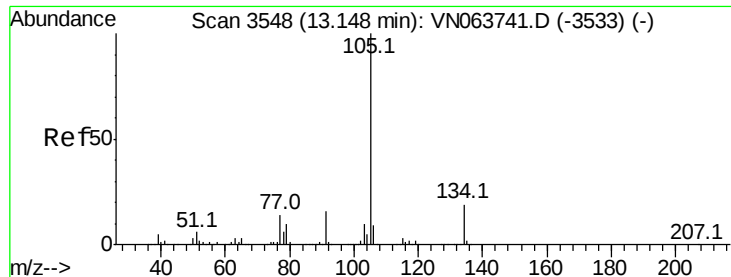
Tgt Ion: 105 Resp: 84148

Ion Ratio Lower Upper

105 100

120 44.0 20.9 62.7

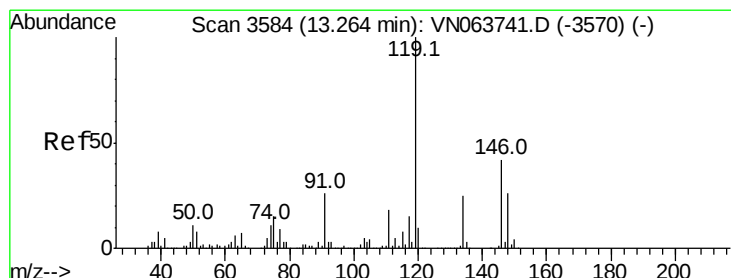
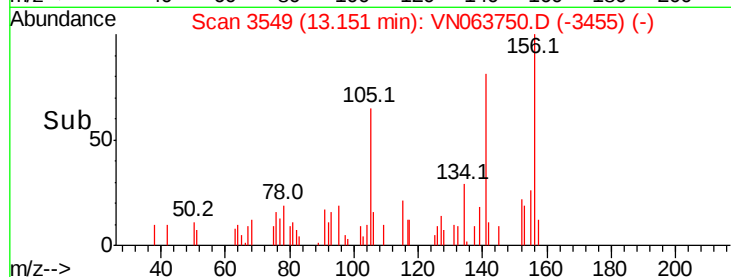
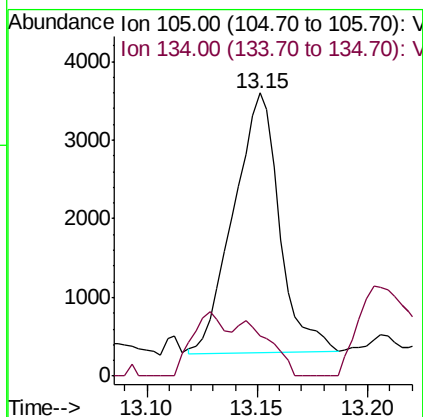
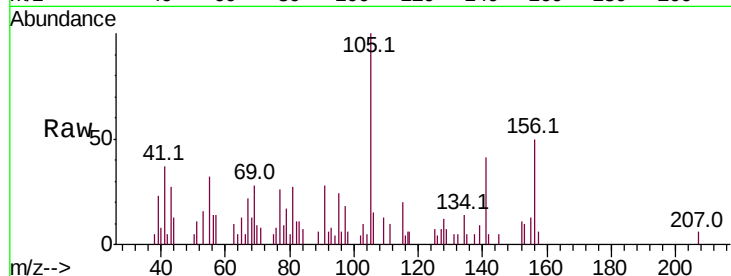




#85  
 sec-Butylbenzene  
 Concen: 0.364 ug/l  
 RT: 13.15 min Scan# 3549  
 Delta R.T. 0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

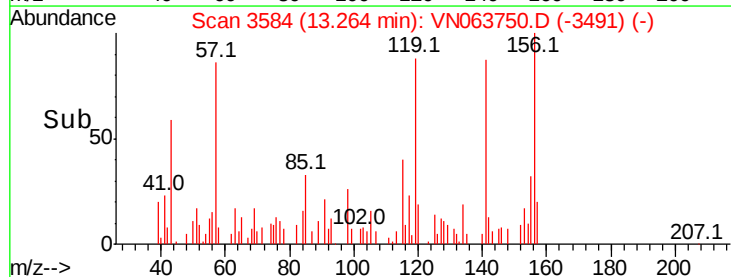
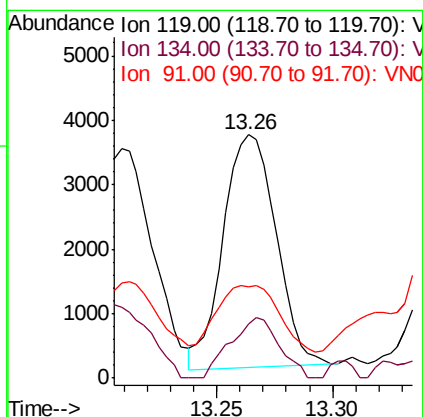
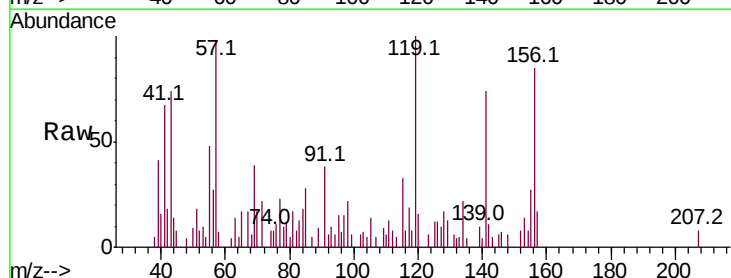
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

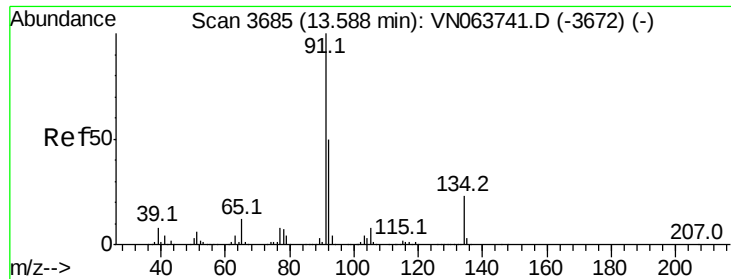
Tot Ion:105 Resp: 4761  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 9.5 28.5#



#86  
 p-Isopropyltoluene  
 Concen: 0.497 ug/l  
 RT: 13.26 min Scan# 3584  
 Delta R.T. 0.00 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Tgt Ion:119 Resp: 5748  
 Ion Ratio Lower Upper  
 119 100  
 134 23.9 12.6 37.8  
 91 33.3 13.4 40.2

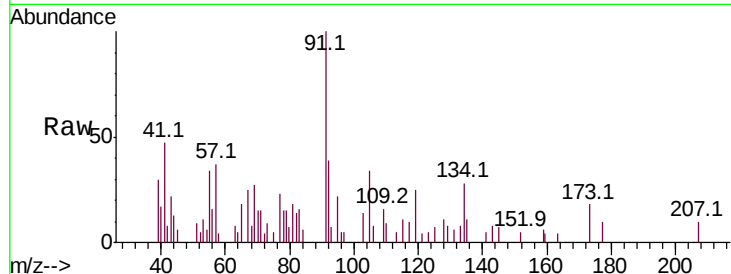




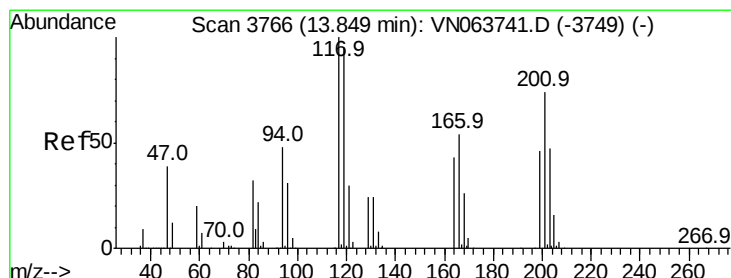
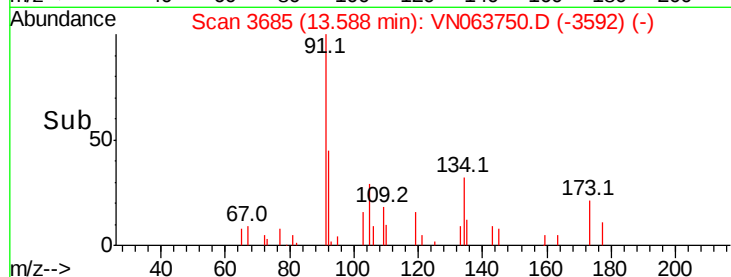
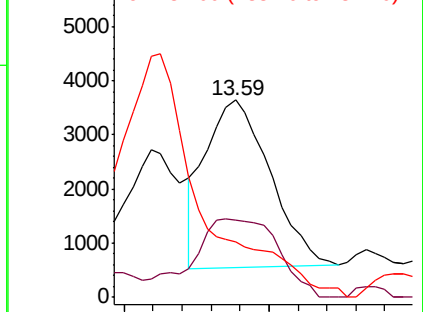
#89  
n-Butylbenzene  
Concen: 0.447 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
DRUM-COMP-2

Tot Ion: 91 Resp: 4769  
Ion Ratio Lower Upper  
91 100  
92 62.9 25.4 76.4  
134 0.0 11.7 35.1#

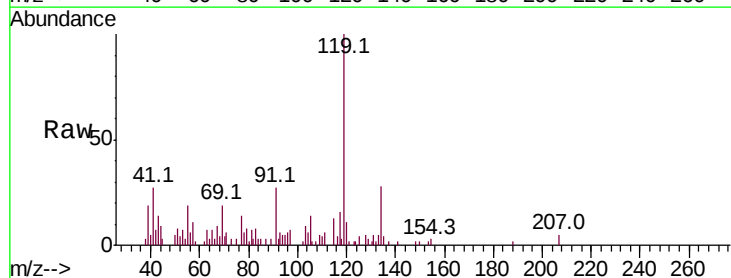


Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 92.00 (91.70 to 92.70): VN0  
Ion 134.00 (133.70 to 134.70): V

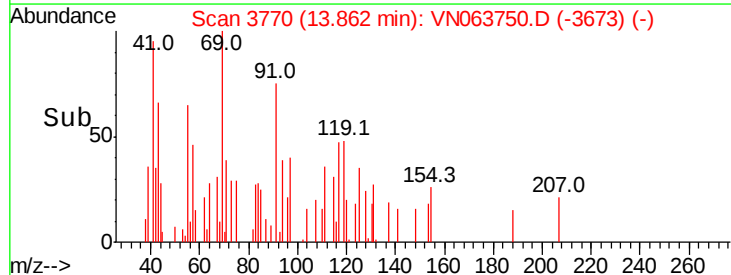
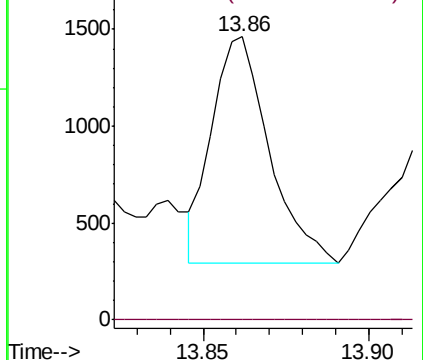


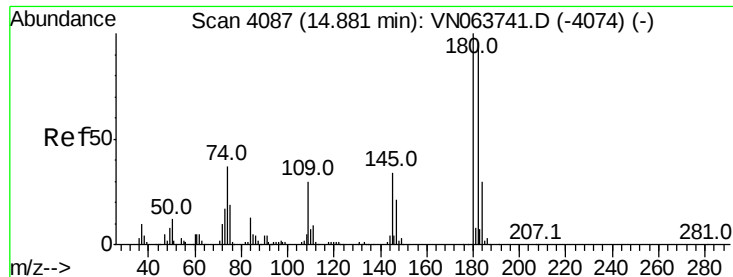
#90  
Hexachloroethane  
Concen: 0.630 ug/l  
RT: 13.86 min Scan# 3770  
Delta R.T. 0.01 min  
Lab File: VN063750.D  
Acq: 30 Sep 2020 15:32

Tgt Ion: 117 Resp: 1413  
Ion Ratio Lower Upper  
117 100  
201 0.0 36.0 108.0#



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V





#93

1,2,4-Trichlorobenzene

Concen: 1.894 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

Instrument :

MSVOA\_N

ClientSampleId :

DRUM-COMP-2

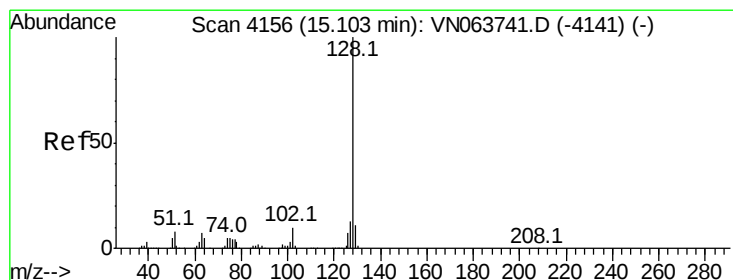
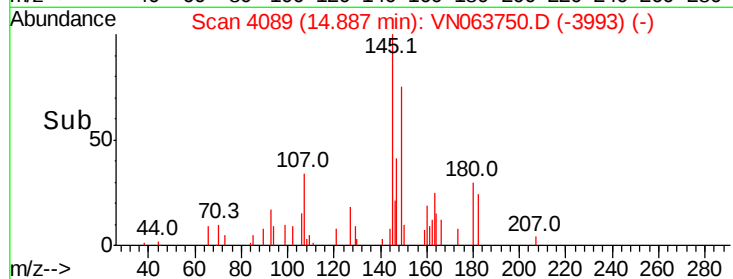
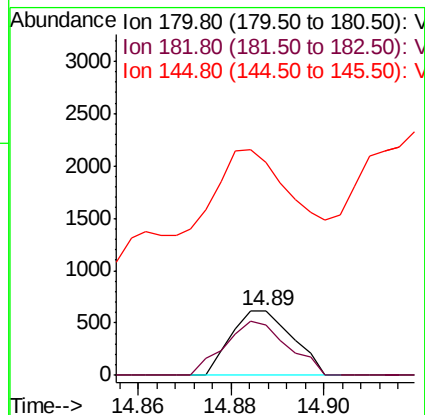
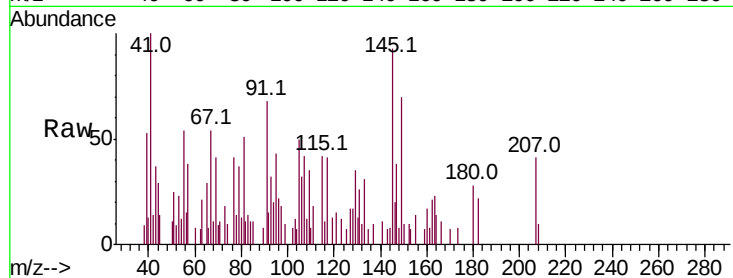
Tot Ion:180 Resp: 565

Ion Ratio Lower Upper

180 100

182 85.7 48.2 144.6

145 502.1 17.1 51.2#



#95

Naphthalene

Concen: 48.880 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063750.D

Acq: 30 Sep 2020 15:32

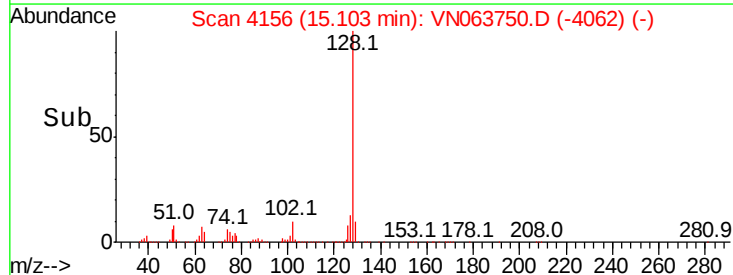
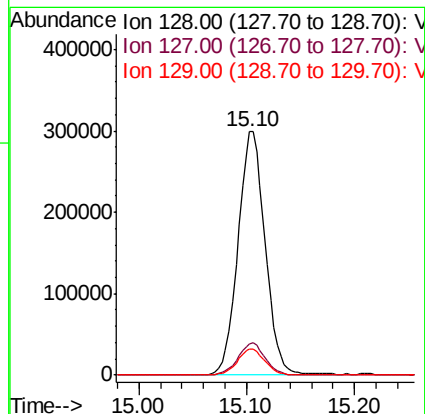
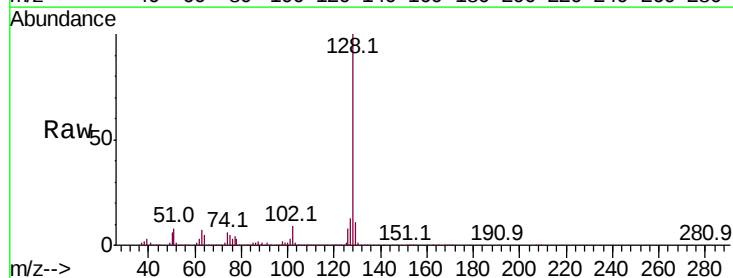
Tgt Ion:128 Resp: 524237

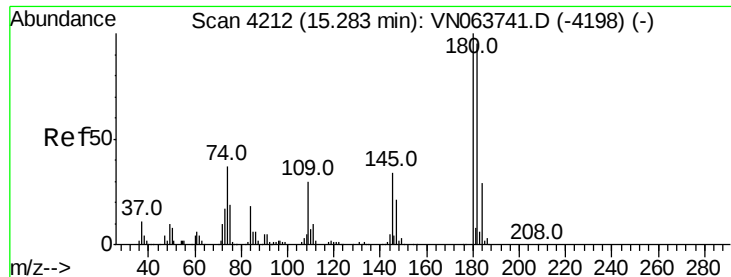
Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.7 8.7 13.1





#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.647 ug/l  
 RT: 15.27 min Scan# 4209  
 Delta R.T. -0.01 min  
 Lab File: VN063750.D  
 Acq: 30 Sep 2020 15:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DRUM-COMP-2

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 528.2 | 47.9  | 143.6# |
| 145     | 376.2 | 17.2  | 51.5#  |

