

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\  
 Data File : VN064655.D  
 Acq On : 16 Nov 2020 12:02  
 Operator : JC/MD  
 Sample : L4706-01MEDL 10X  
 Misc : 1.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-30706-30707-40854ME

Quant Time: Nov 17 04:18:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 12:09:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 244538   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 489468   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 504411   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 213248   | 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   | 230315   | 54.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.14% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 170126   | 51.05 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.10% |          |
| 50) Toluene-d8              | 10.06 | 98   | 621981   | 48.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 255130   | 52.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.74% |          |

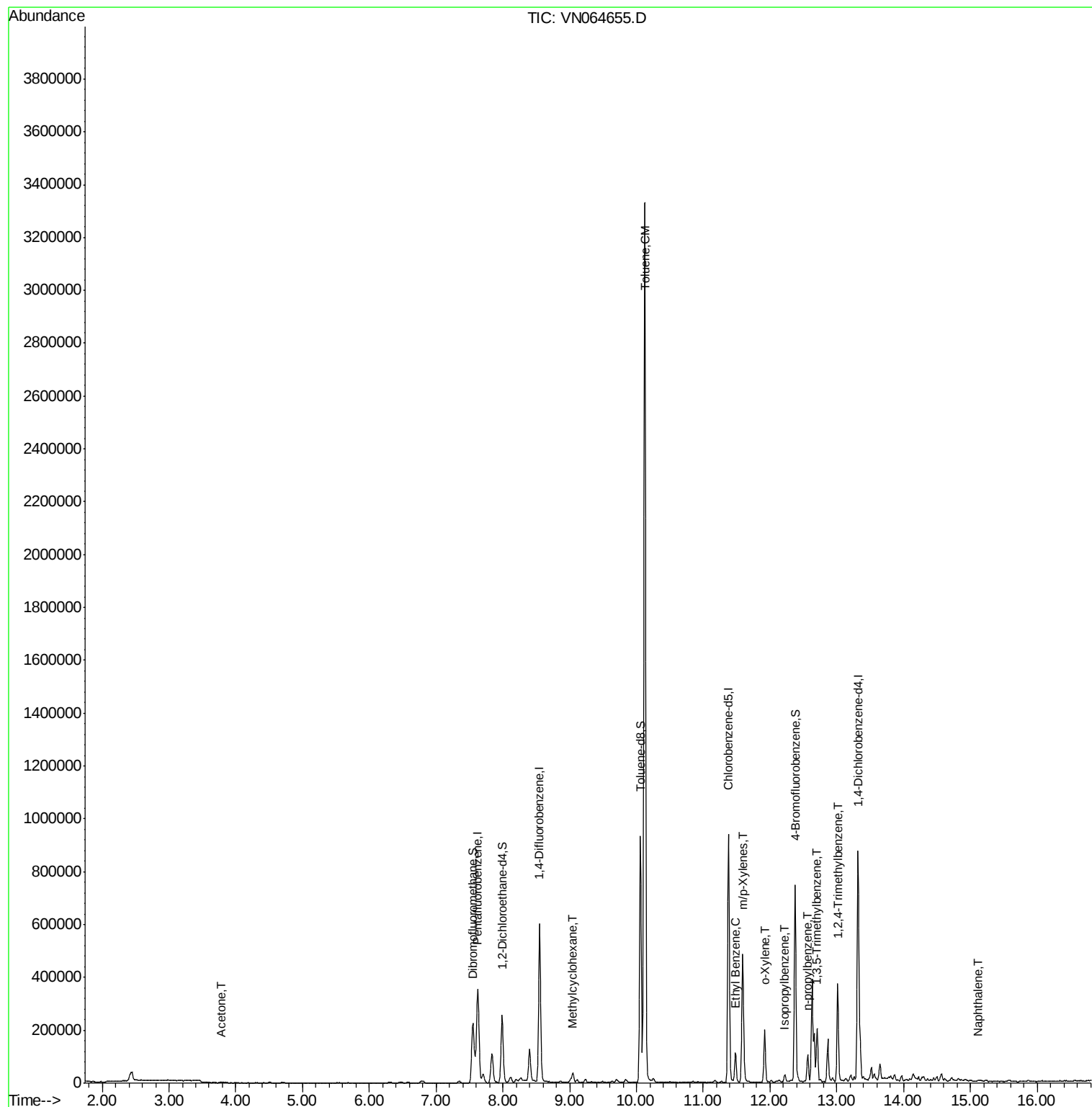
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                | 3.78  | 43   | 6108     | 3.765   | ug/l # | 59     |
| 39) Methylcyclohexane      | 9.05  | 83   | 11051    | 2.384   | ug/l # | 78     |
| 52) Toluene                | 10.13 | 92   | 1400862  | 151.159 | ug/l   | 100    |
| 67) Ethyl Benzene          | 11.48 | 91   | 77184    | 3.924   | ug/l   | 99     |
| 68) m/p-Xylenes            | 11.59 | 106  | 143192   | 20.074  | ug/l   | 98     |
| 69) o-Xylene               | 11.92 | 106  | 50360    | 7.306   | ug/l   | 97     |
| 73) Isopropylbenzene       | 12.23 | 105  | 17515    | 1.033   | ug/l   | 96     |
| 78) n-propylbenzene        | 12.56 | 91   | 76885    | 3.979   | ug/l   | 100    |
| 80) 1,3,5-Trimethylbenzene | 12.71 | 105  | 81279    | 5.813   | ug/l   | 100    |
| 84) 1,2,4-Trimethylbenzene | 13.01 | 105  | 199391   | 14.185  | ug/l   | 100    |
| 95) Naphthalene            | 15.10 | 128  | 3621     | 3.910   | ug/l # | 92     |

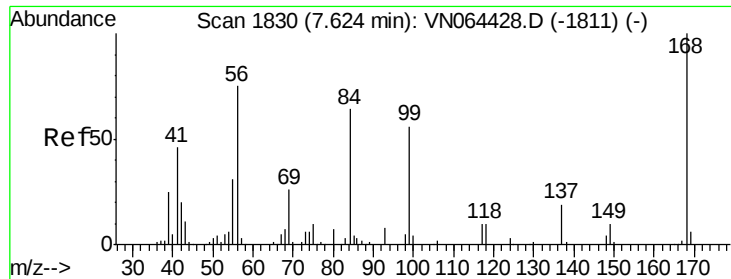
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\  
Data File : VN064655.D  
Acq On : 16 Nov 2020 12:02  
Operator : JC/MD  
Sample : L4706-01MEDL 10X  
Misc : 1.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

Quant Time: Nov 17 04:18:24 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 12:09:03 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: VN064655.D

Acq: 16 Nov 2020 12:02

Instrument :

MSVOA\_N

ClientSampleId :

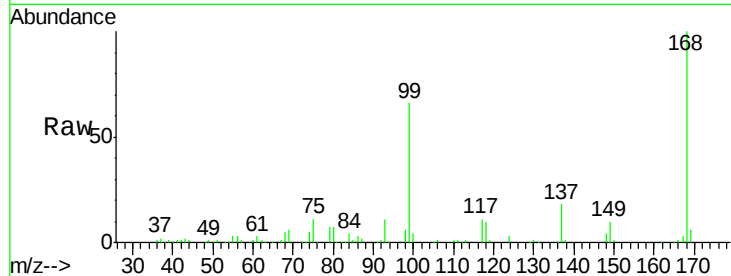
COMP-30706-30707-40854ME

Tot Ion:168 Resp: 244538

Ion Ratio Lower Upper

168 100

99 66.2 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

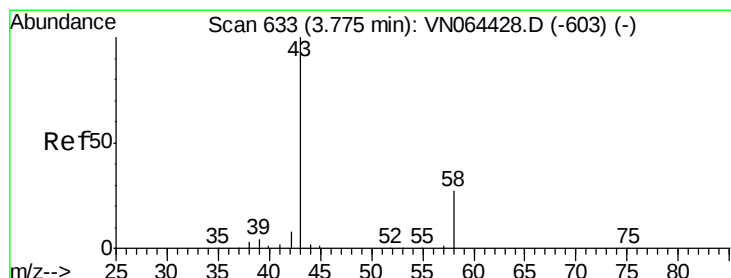
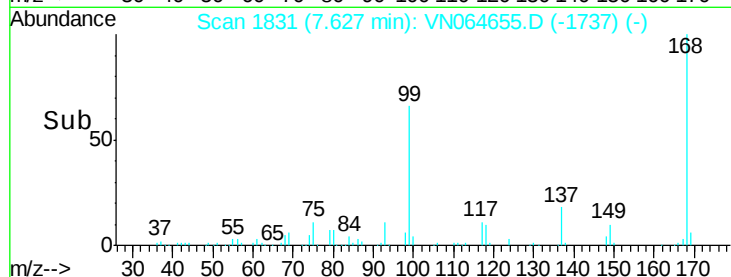
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 3.765 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064655.D

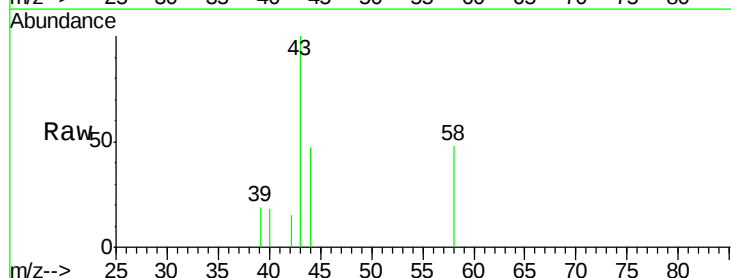
Acq: 16 Nov 2020 12:02

Tgt Ion: 43 Resp: 6108

Ion Ratio Lower Upper

43 100

58 48.1 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

2000

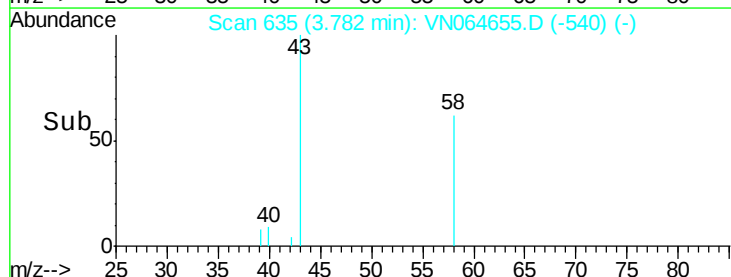
1500

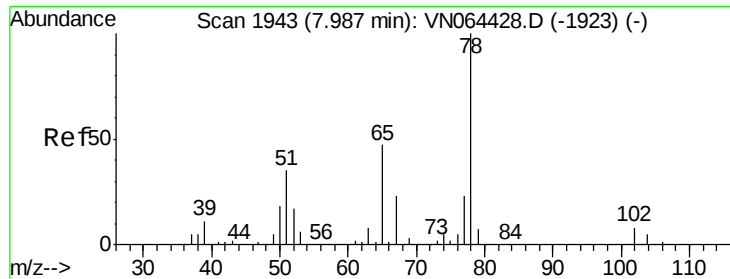
1000

500

0

Time-->

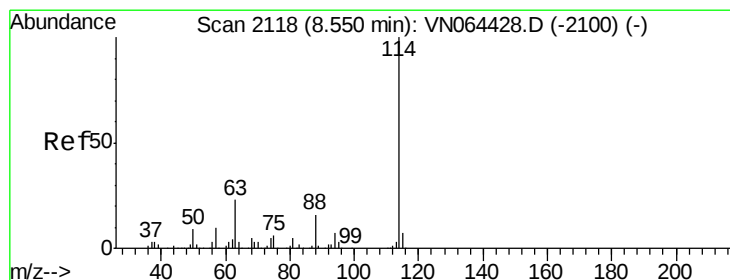
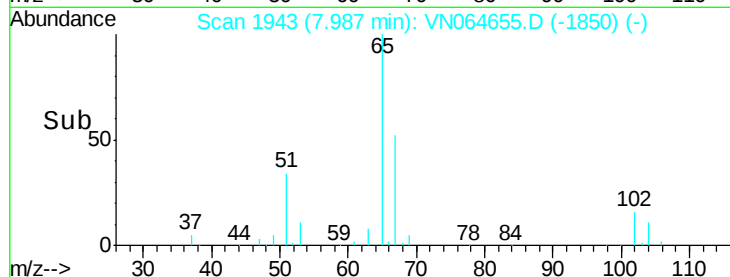
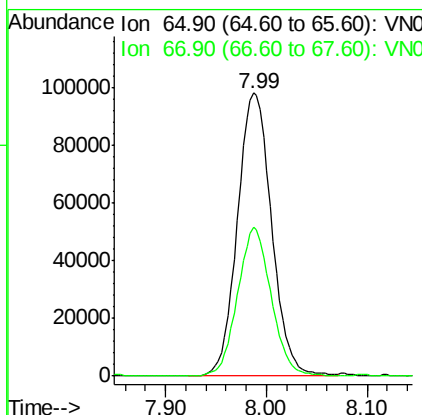
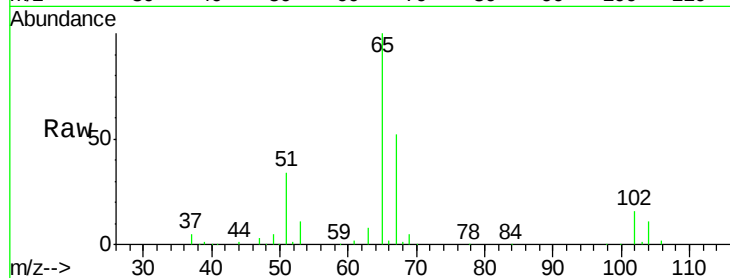




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.071 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN064655.D  
 Acq: 16 Nov 2020 12:02

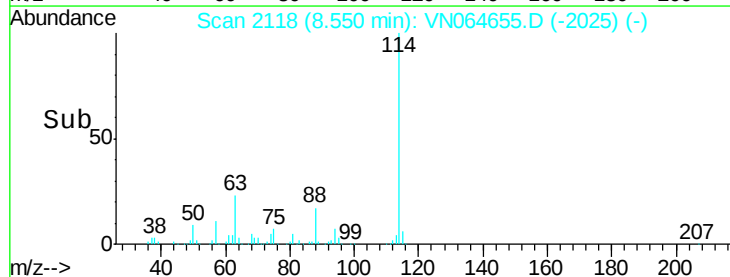
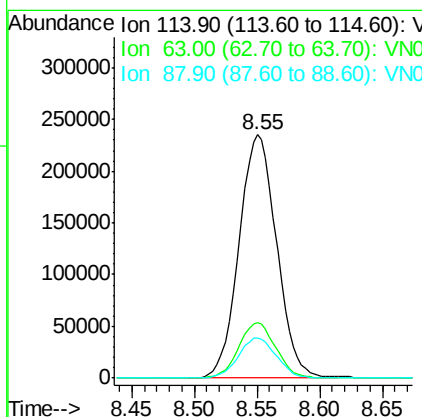
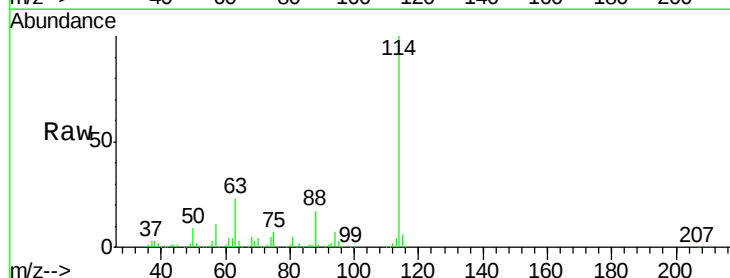
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-30706-30707-40854ME

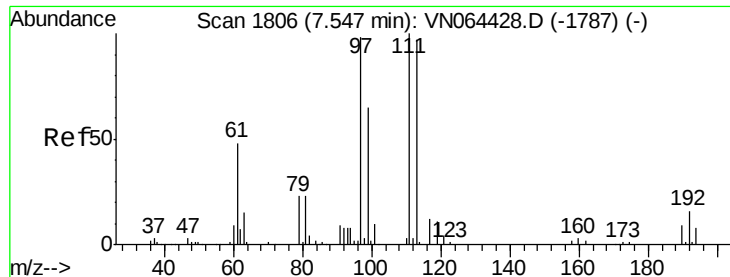
Tot Ion: 65 Resp: 230315  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN064655.D  
 Acq: 16 Nov 2020 12:02

Tgt Ion: 114 Resp: 489468  
 Ion Ratio Lower Upper  
 114 100  
 63 22.7 0.0 45.6  
 88 16.6 0.0 32.8

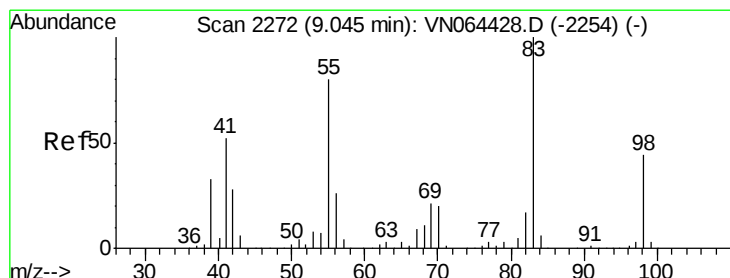
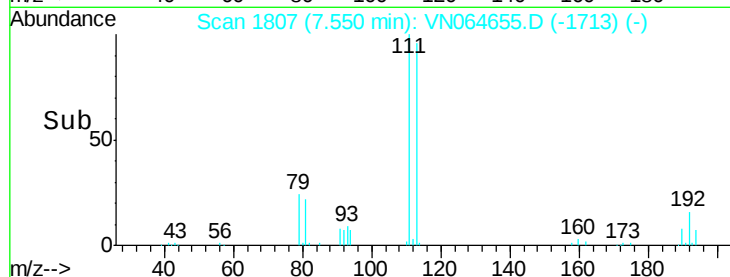
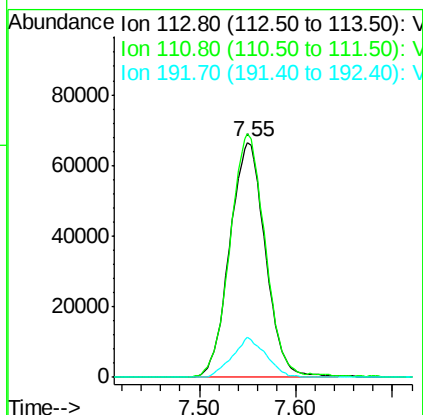
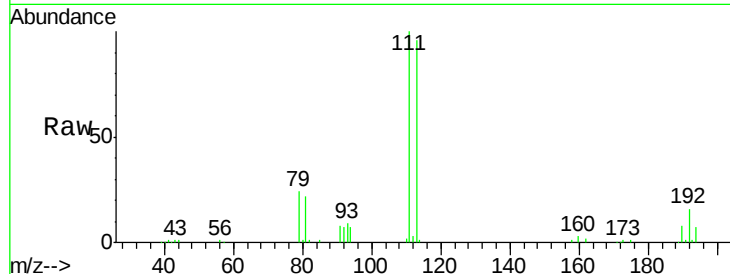




#35  
Dibromofluoromethane  
Concen: 51.049 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

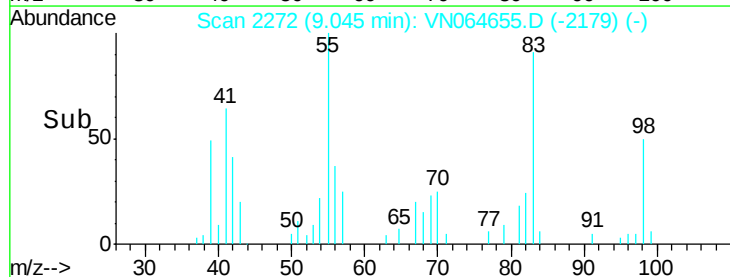
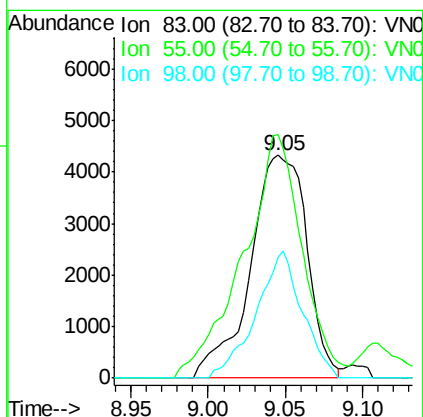
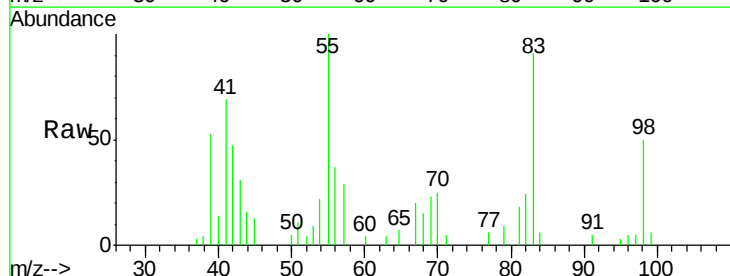
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

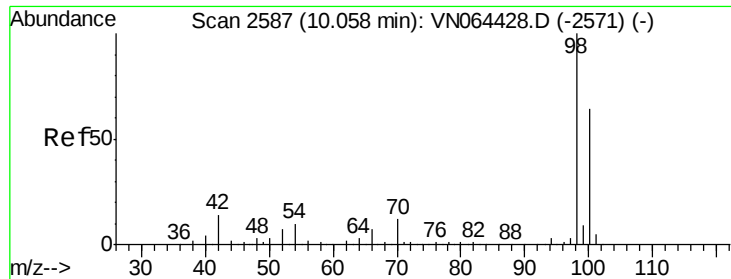
Tot Ion:113 Resp: 170126  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.1 121.7  
192 16.0 12.8 19.2



#39  
Methylcyclohexane  
Concen: 2.384 ug/l  
RT: 9.05 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

Tgt Ion: 83 Resp: 11051  
Ion Ratio Lower Upper  
83 100  
55 102.4 63.8 95.6#  
98 54.4 35.4 53.2#





#50

Toluene-d8

Concen: 48.288 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064655.D

Acq: 16 Nov 2020 12:02

Instrument :

MSVOA\_N

ClientSampleId :

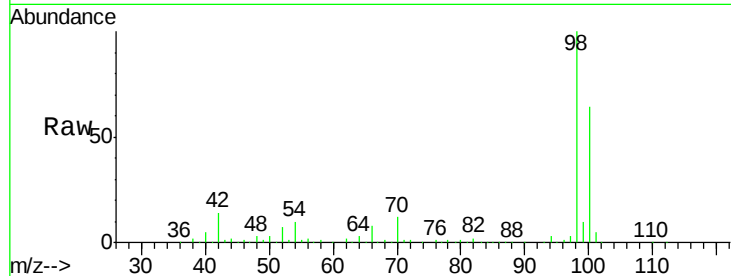
COMP-30706-30707-40854ME

Tot Ion: 98 Resp: 621981

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

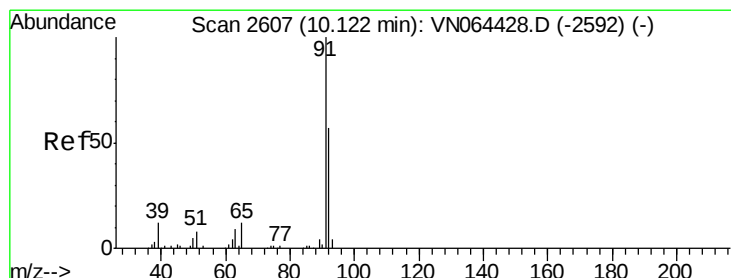
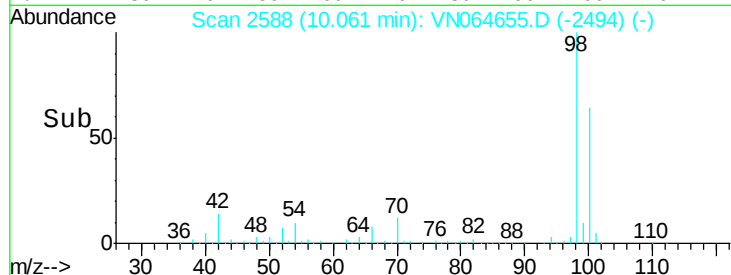
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 151.159 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064655.D

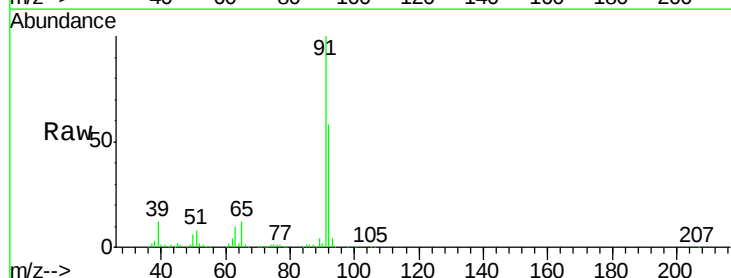
Acq: 16 Nov 2020 12:02

Tgt Ion: 92 Resp: 1400862

Ion Ratio Lower Upper

92 100

91 174.3 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.13

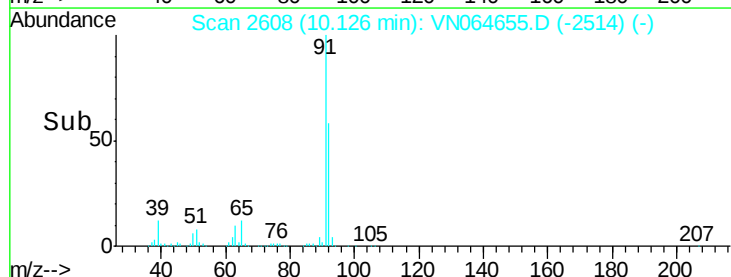
1500000

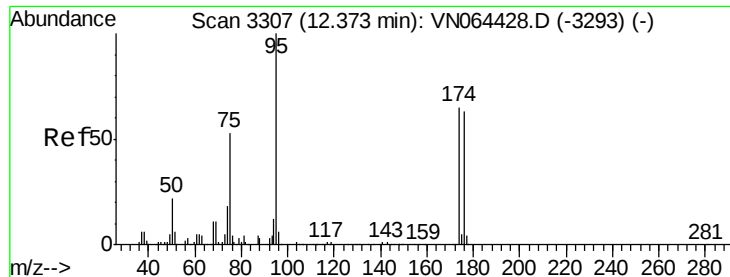
1000000

500000

0

Time-->

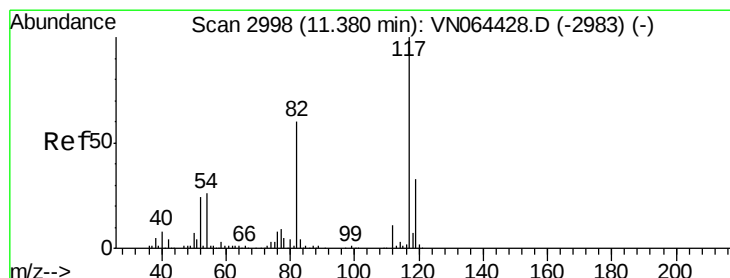
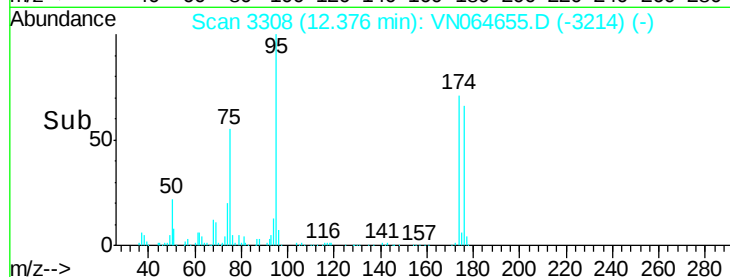
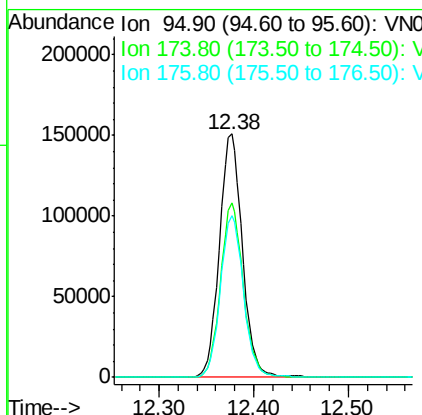
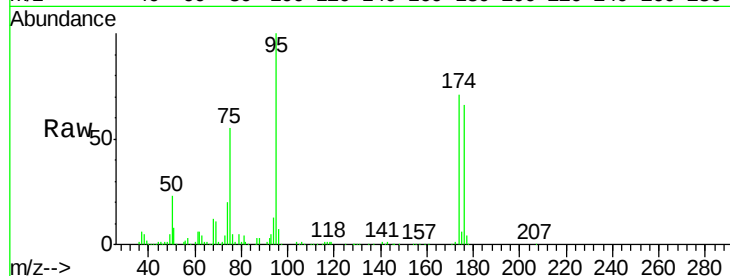




#62  
4-Bromofluorobenzene  
Concen: 52.375 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

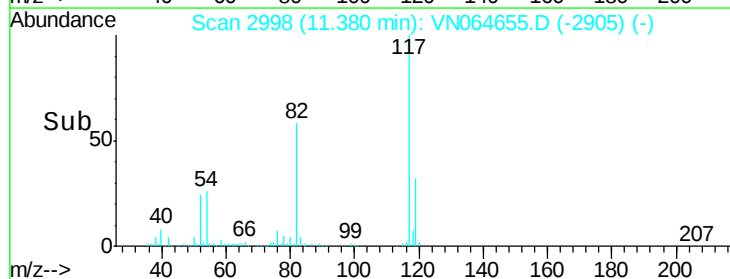
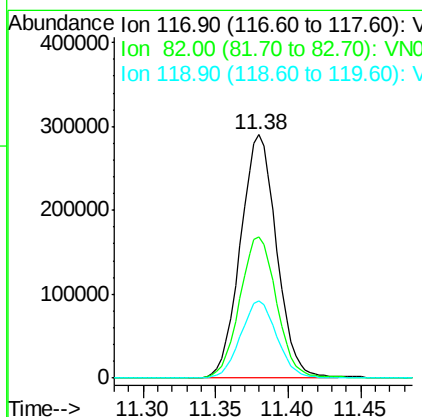
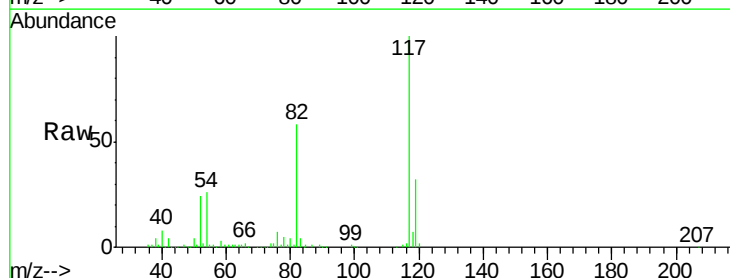
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

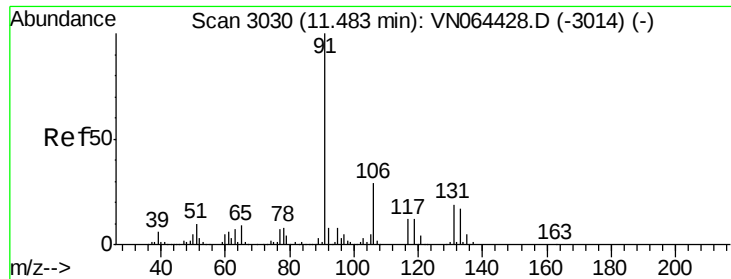
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 70.5  | 0.0   | 132.6 |
| 176     | 66.4  | 0.0   | 129.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.1  | 48.1  | 72.1  |
| 119     | 31.8  | 26.2  | 39.4  |

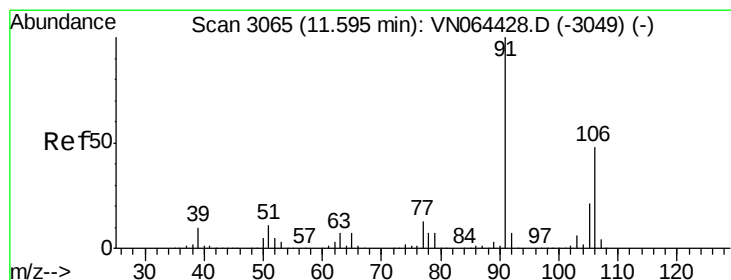
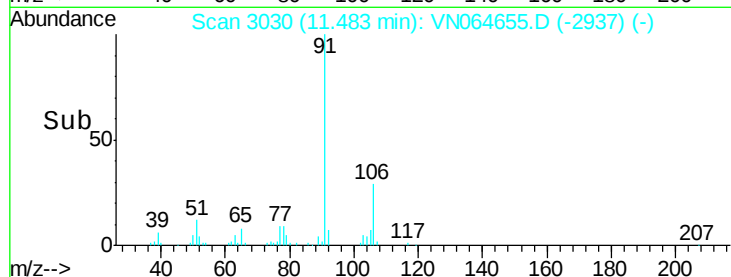
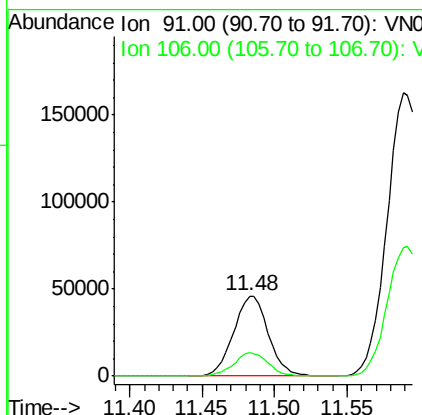
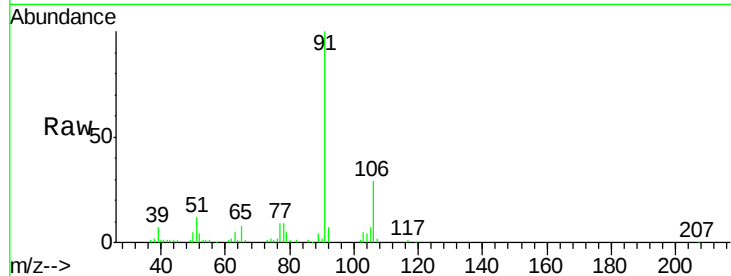




#67  
Ethyl Benzene  
Concen: 3.924 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. -0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

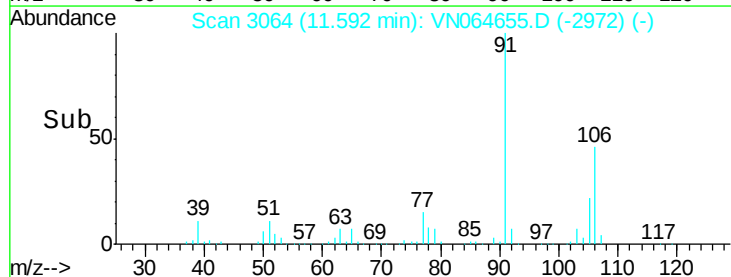
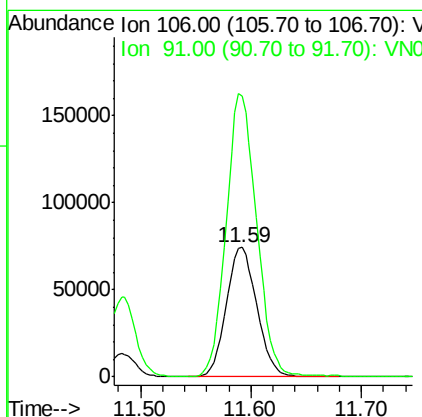
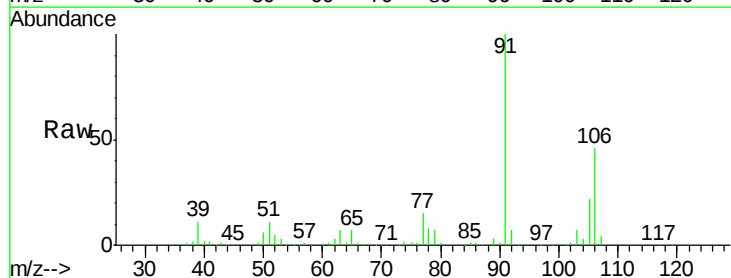
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

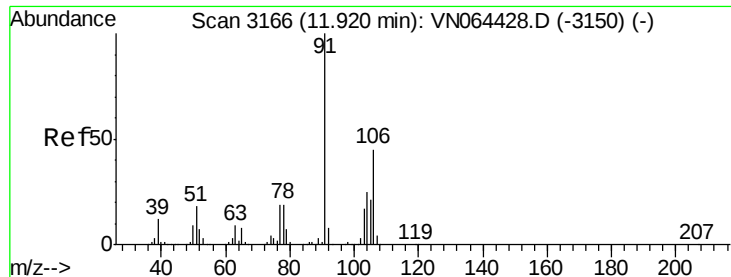
Tot Ion: 91 Resp: 77184  
Ion Ratio Lower Upper  
91 100  
106 28.9 23.6 35.4



#68  
m/p-Xylenes  
Concen: 20.074 ug/l  
RT: 11.59 min Scan# 3064  
Delta R.T. -0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

Tgt Ion: 106 Resp: 143192  
Ion Ratio Lower Upper  
106 100  
91 215.5 169.4 254.2

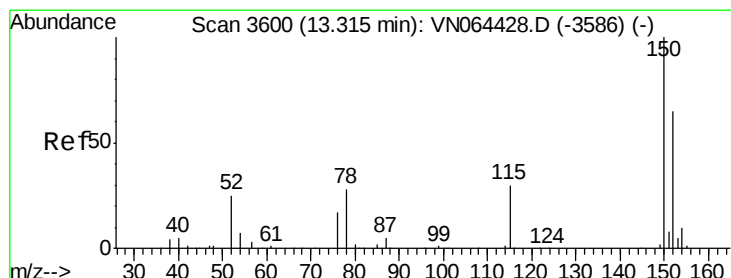
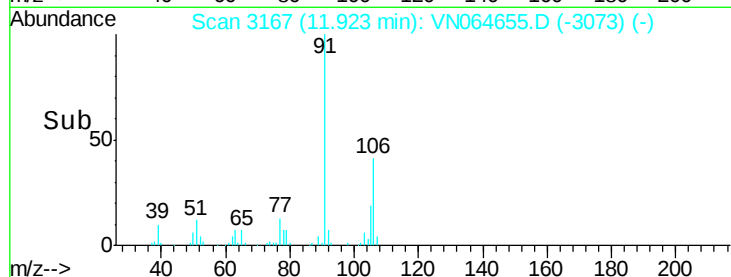
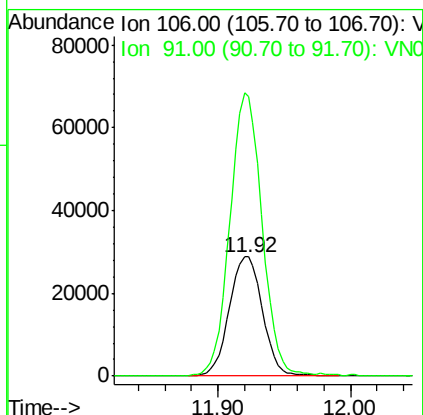
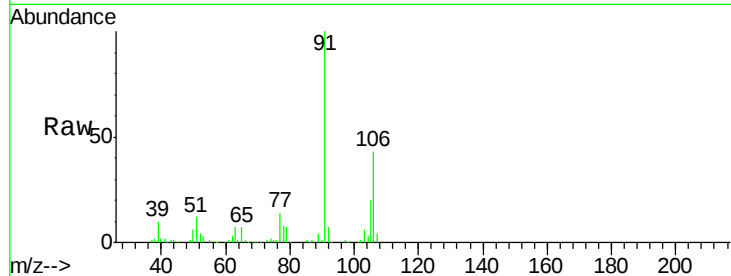




#69  
o-Xylene  
Concen: 7.306 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

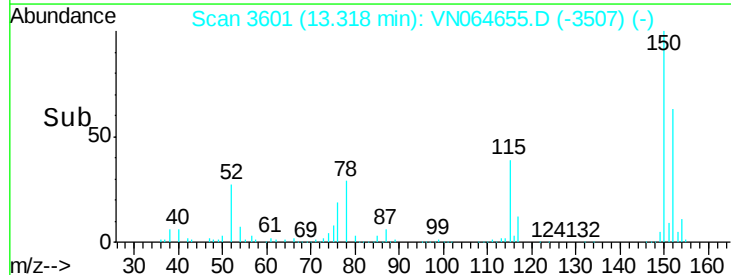
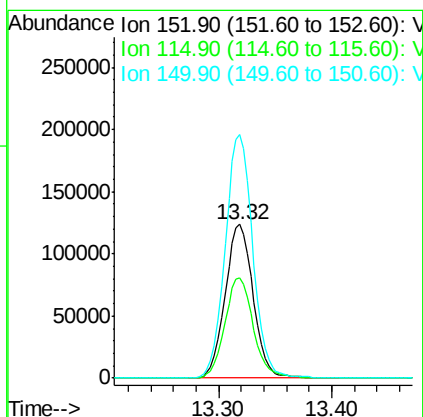
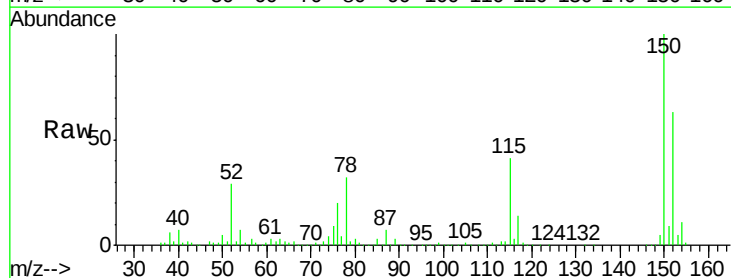
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

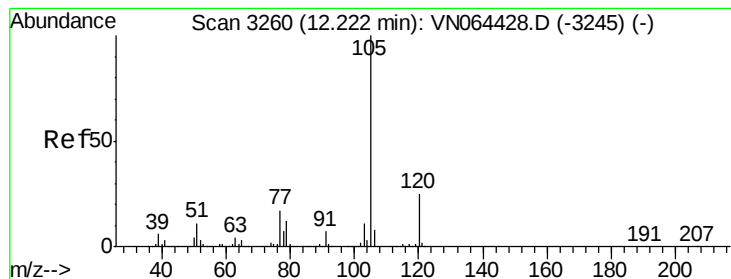
Tot Ion:106 Resp: 50360  
Ion Ratio Lower Upper  
106 100  
91 228.6 111.7 334.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

Tgt Ion:152 Resp: 213248  
Ion Ratio Lower Upper  
152 100  
115 66.0 32.0 96.0  
150 155.9 0.0 353.8





#73

Isopropylbenzene

Concen: 1.033 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064655.D

Acq: 16 Nov 2020 12:02

Instrument :

MSVOA\_N

ClientSampleId :

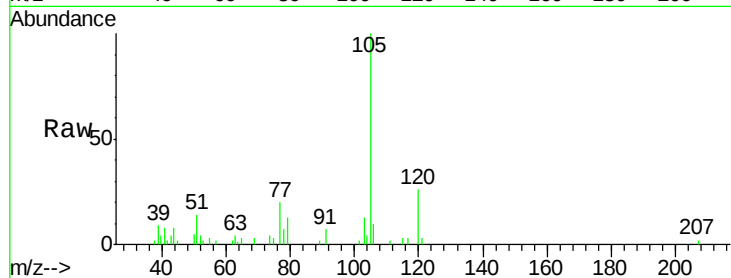
COMP-30706-30707-40854ME

Tot Ion:105 Resp: 17515

Ion Ratio Lower Upper

105 100

120 27.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

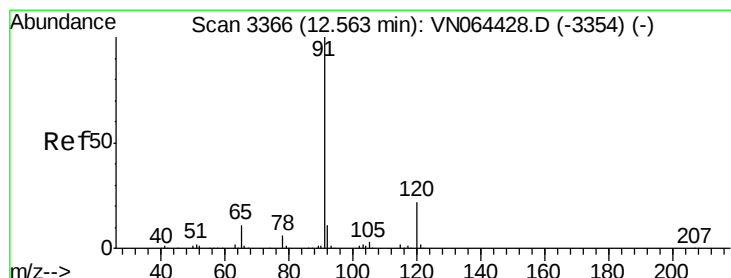
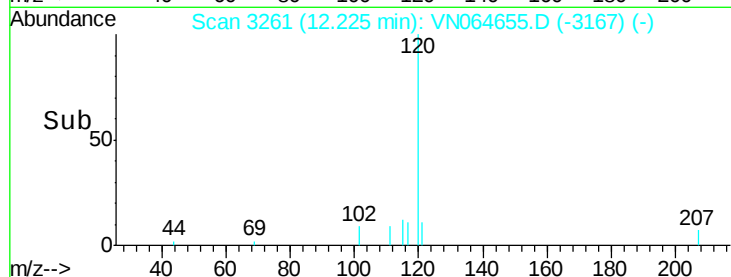
4000

2000

0

12.15 12.20 12.25

Time-->



#78

n-propylbenzene

Concen: 3.979 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064655.D

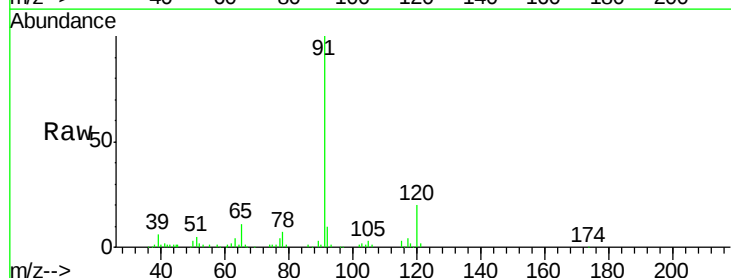
Acq: 16 Nov 2020 12:02

Tgt Ion: 91 Resp: 76885

Ion Ratio Lower Upper

91 100

120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

50000

40000

30000

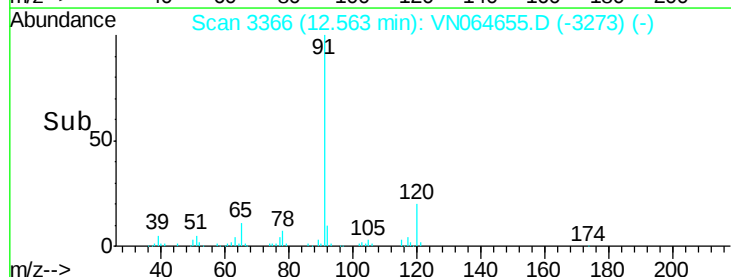
20000

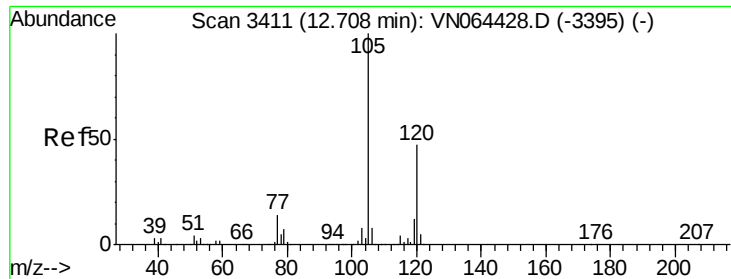
10000

0

12.50 12.55 12.60

Time-->

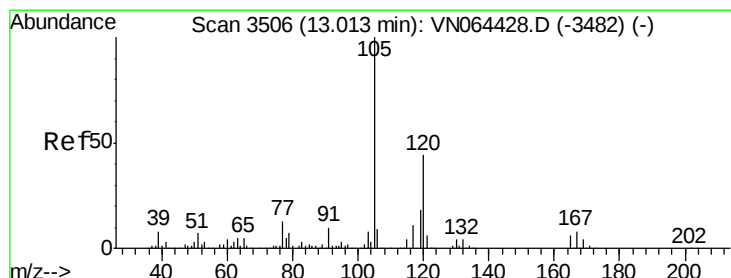
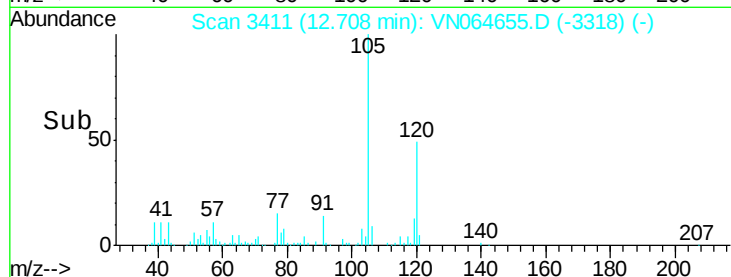
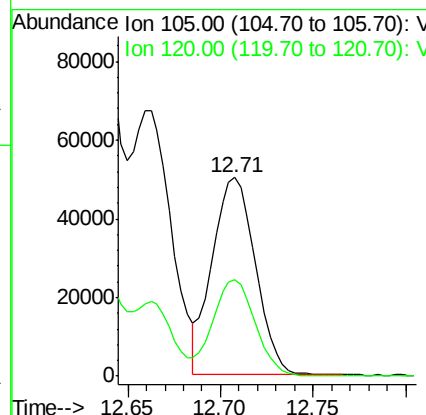
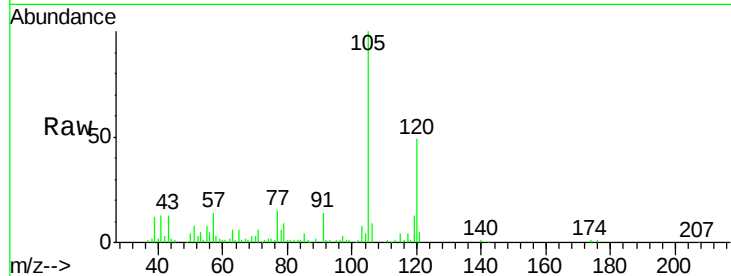




#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.813 ug/l  
 RT: 12.71 min Scan# 3411  
 Delta R.T. -0.00 min  
 Lab File: VN064655.D  
 Acq: 16 Nov 2020 12:02

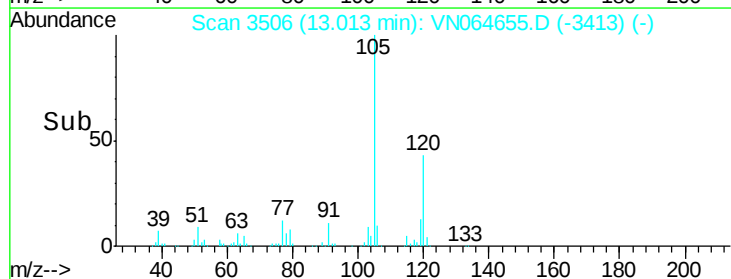
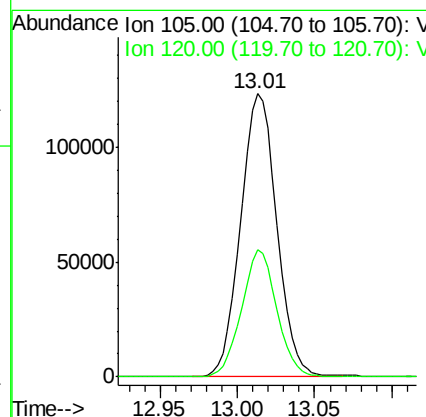
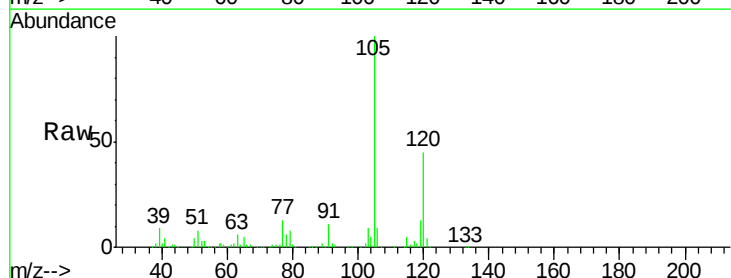
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-30706-30707-40854ME

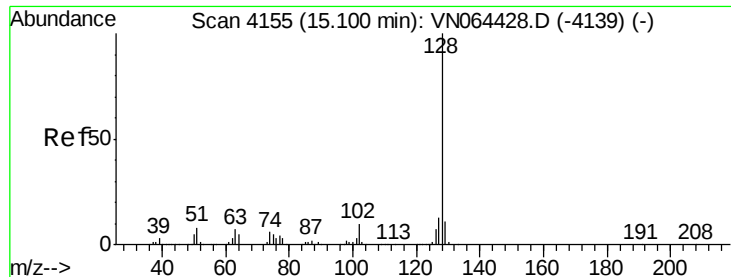
Tot Ion:105 Resp: 81279  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 23.4 70.2



#84  
 1,2,4-Trimethylbenzene  
 Concen: 14.185 ug/l  
 RT: 13.01 min Scan# 3506  
 Delta R.T. -0.00 min  
 Lab File: VN064655.D  
 Acq: 16 Nov 2020 12:02

Tgt Ion:105 Resp: 199391  
 Ion Ratio Lower Upper  
 105 100  
 120 43.9 21.9 65.7

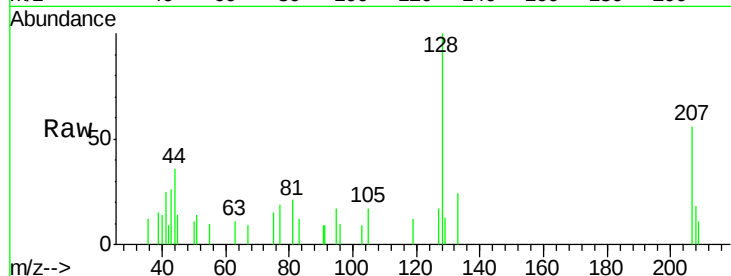




#95  
Naphthalene  
Concen: 3.910 ug/l  
RT: 15.10 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN064655.D  
Acq: 16 Nov 2020 12:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-30706-30707-40854ME

Tot Ion:128 Resp: 3621  
Ion Ratio Lower Upper  
128 100  
127 10.3 10.5 15.7#  
129 7.9 8.8 13.2#



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

