

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\  
 Data File : VN064371.D  
 Acq On : 29 Oct 2020 14:10  
 Operator : JC/MD  
 Sample : L4554-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

Quant Time: Oct 30 07:31:41 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

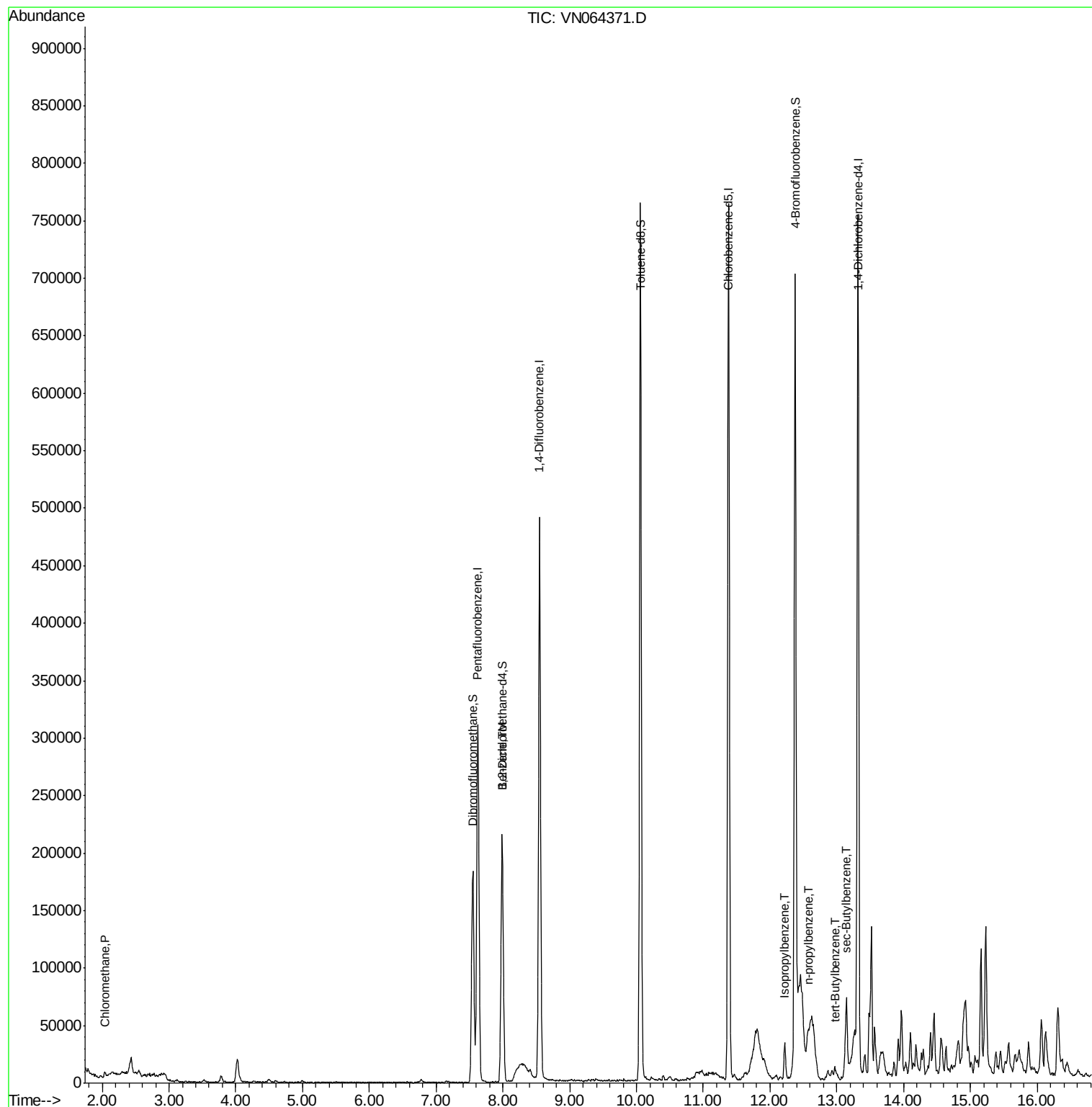
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.62  | 168  | 235194   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 411811   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 409830   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 183499   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 182114   | 48.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.36%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 136892   | 49.85 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.70%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 509153   | 50.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.24% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 222377   | 56.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.30% |          |
| Target Compounds            |       |      |          |       |         |          |
|                             |       |      |          |       | Qvalue  |          |
| 3) Chloromethane            | 2.04  | 50   | 3779     | 1.293 | ug/l    | 90       |
| 40) Benzene                 | 8.00  | 78   | 25876    | 2.237 | ug/l    | 100      |
| 73) Isopropylbenzene        | 12.22 | 105  | 19725    | 1.435 | ug/l    | 96       |
| 78) n-propylbenzene         | 12.57 | 91   | 10661    | 0.685 | ug/l    | 95       |
| 83) tert-Butylbenzene       | 12.97 | 119  | 4777     | 0.501 | ug/l    | 95       |
| 85) sec-Butylbenzene        | 13.15 | 105  | 34548    | 2.798 | ug/l    | 82       |

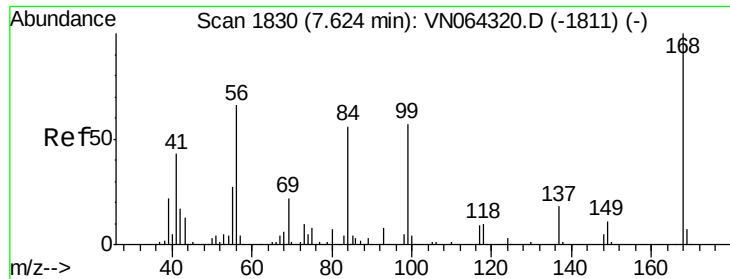
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-2

Quant Time: Oct 30 07:31:41 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: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064371.D

Acq: 29 Oct 2020 14:10

Instrument :

MSVOA\_N

ClientSampleId :

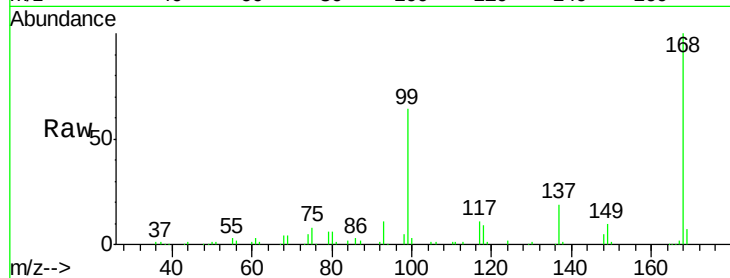
MW-2

Tot Ion:168 Resp: 235194

Ion Ratio Lower Upper

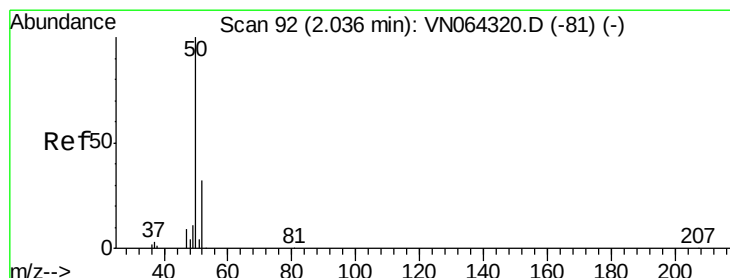
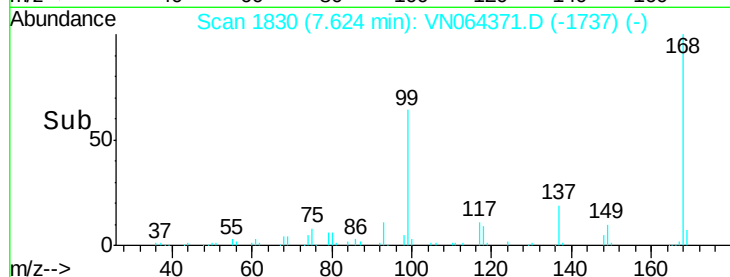
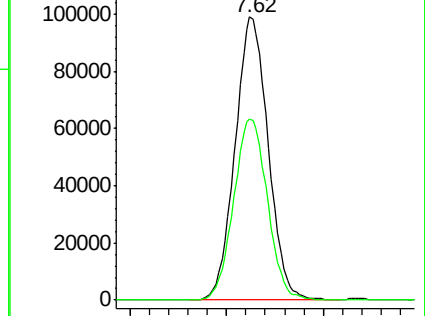
168 100

99 64.1 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 1.293 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064371.D

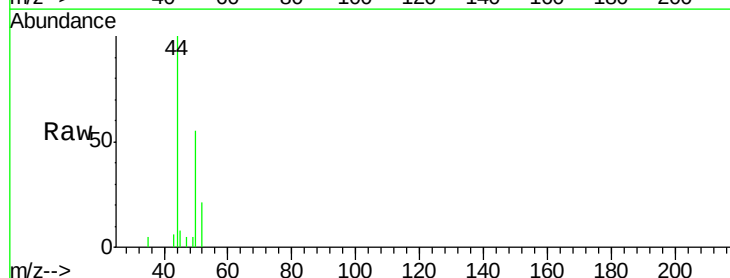
Acq: 29 Oct 2020 14:10

Tgt Ion: 50 Resp: 3779

Ion Ratio Lower Upper

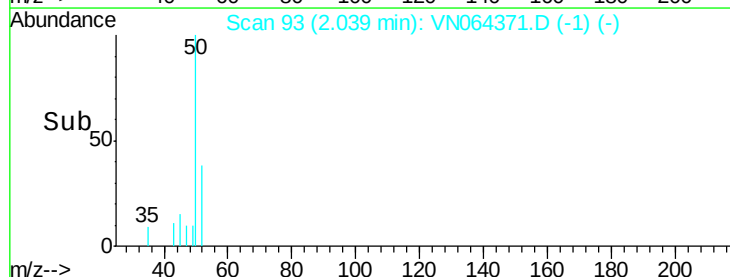
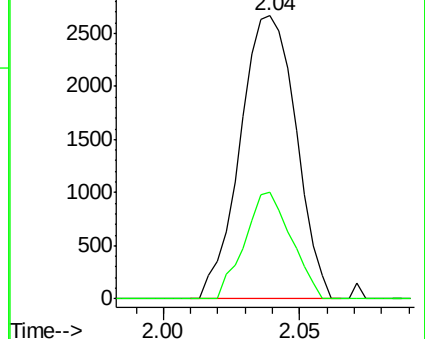
50 100

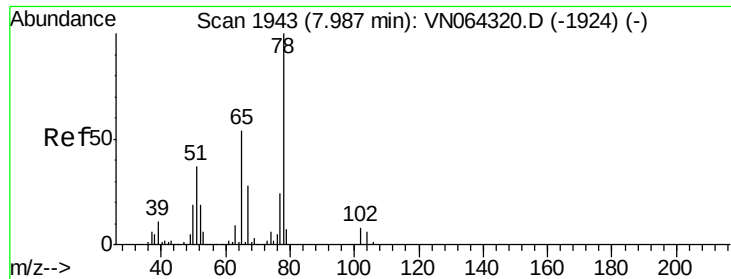
52 37.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

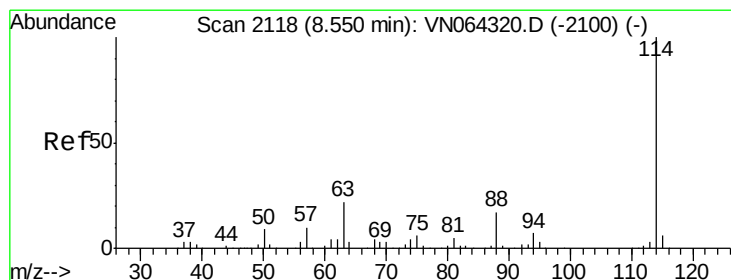
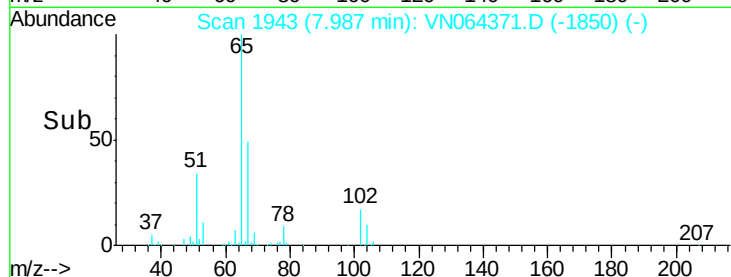
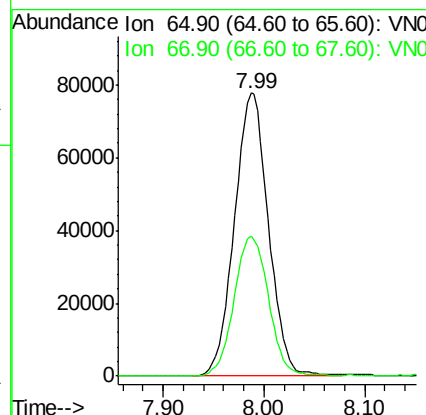
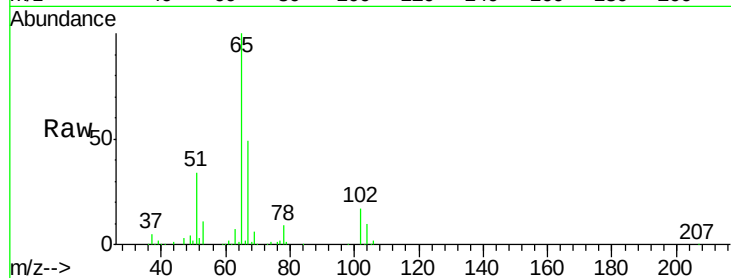




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.184 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064371.D  
 Acq: 29 Oct 2020 14:10

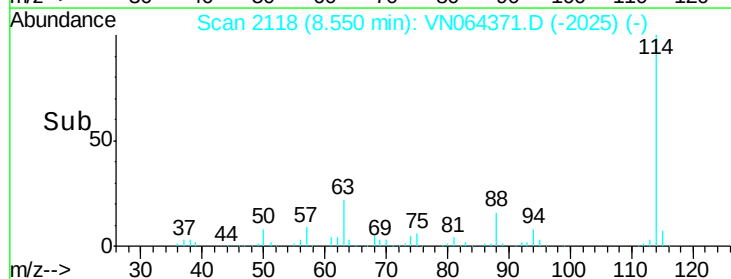
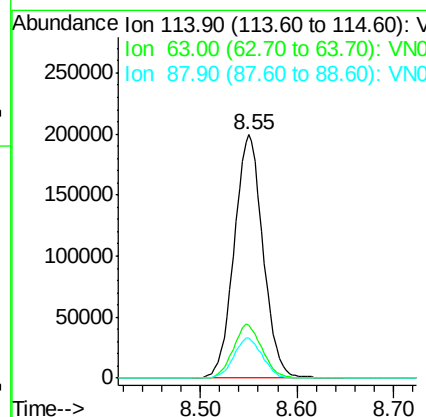
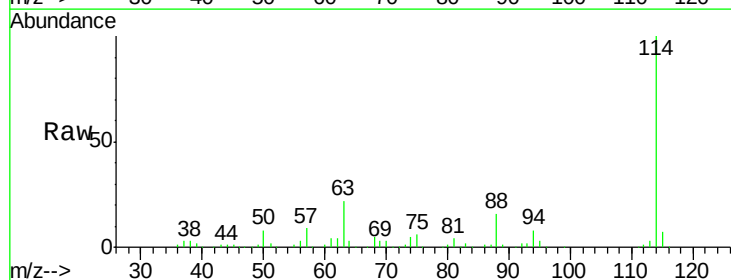
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

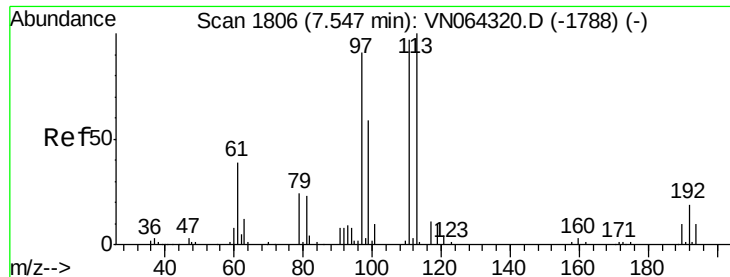
Tot Ion: 65 Resp: 182114  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 99.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064371.D  
 Acq: 29 Oct 2020 14:10

Tgt Ion: 114 Resp: 411811  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 44.6  
 88 16.4 0.0 33.4

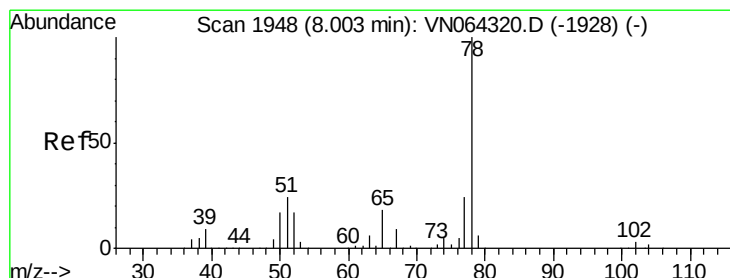
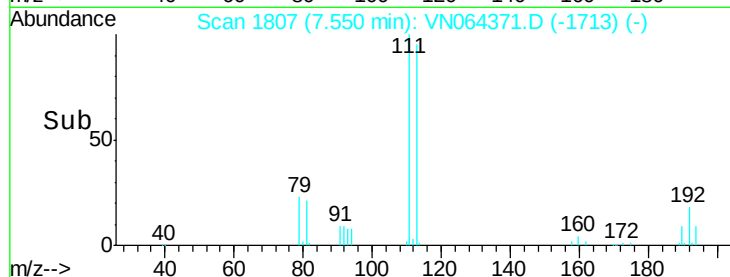
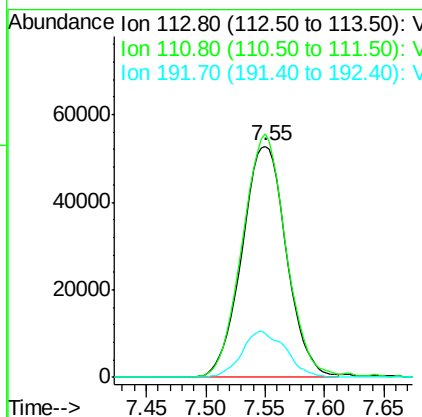
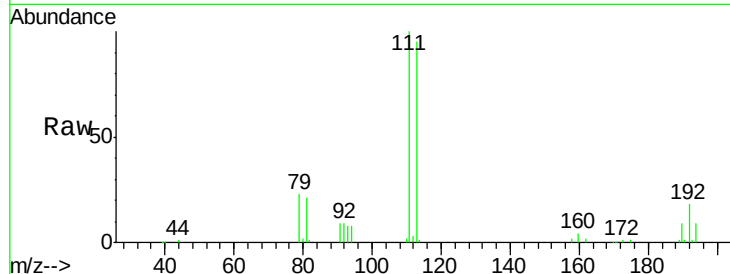




#35  
 Dibromofluoromethane  
 Concen: 49.847 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064371.D  
 Acq: 29 Oct 2020 14:10

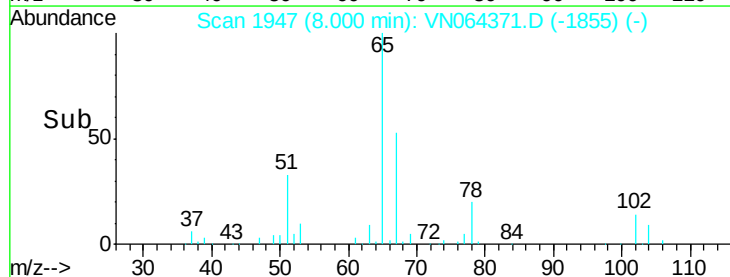
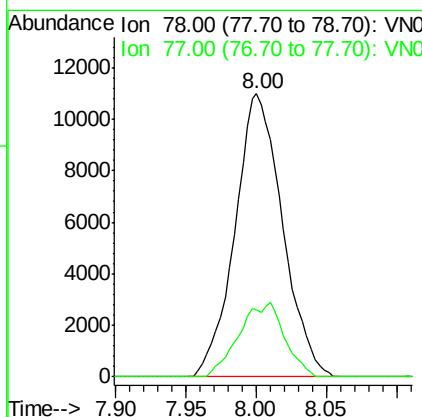
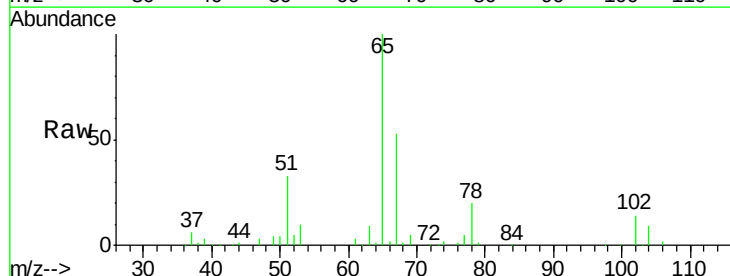
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2

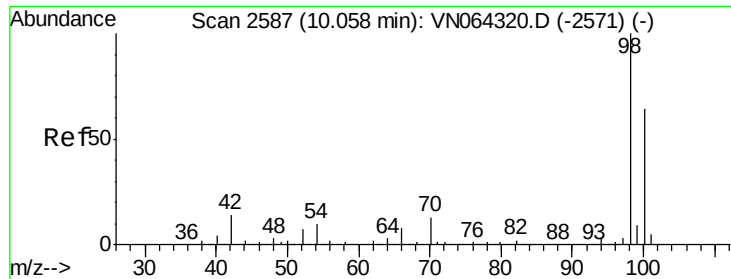
Tot Ion:113 Resp: 136892  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 81.5 122.3  
 192 19.7 15.0 22.4



#40  
 Benzene  
 Concen: 2.237 ug/l  
 RT: 8.00 min Scan# 1947  
 Delta R.T. -0.00 min  
 Lab File: VN064371.D  
 Acq: 29 Oct 2020 14:10

Tgt Ion: 78 Resp: 25876  
 Ion Ratio Lower Upper  
 78 100  
 77 23.7 18.8 28.2





#50

Toluene-d8

Concen: 50.123 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064371.D

Acq: 29 Oct 2020 14:10

Instrument :

MSVOA\_N

ClientSampled :

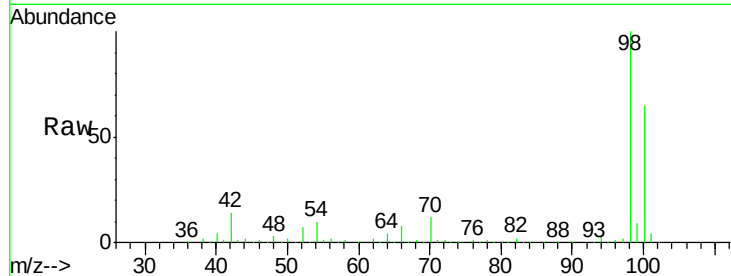
MW-2

Tot Ion: 98 Resp: 509153

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064320.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064320.D (-2571) (-)

10.06

250000

200000

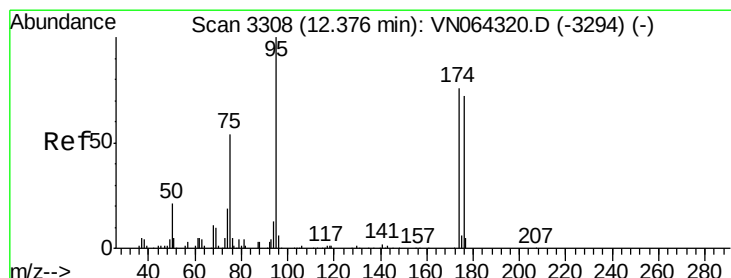
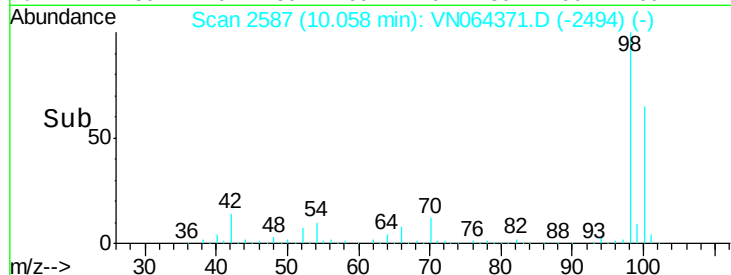
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.148 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064371.D

Acq: 29 Oct 2020 14:10

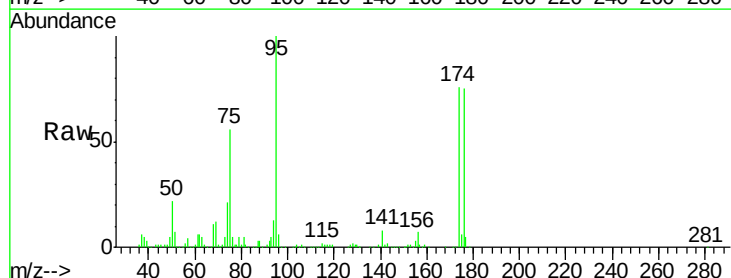
Tgt Ion: 95 Resp: 222377

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.4

176 73.2 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064320.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064320.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064320.D (-3294) (-)

12.38

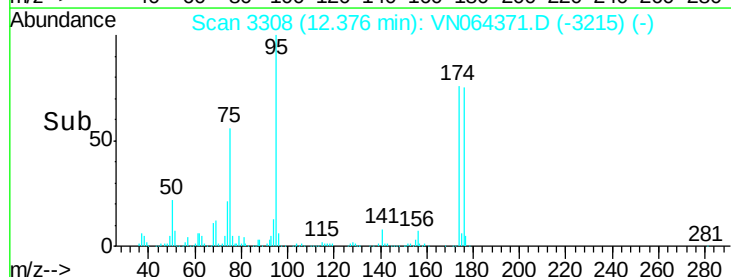
150000

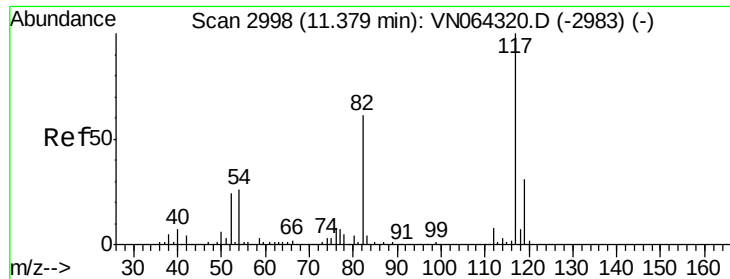
100000

50000

0

Time-->

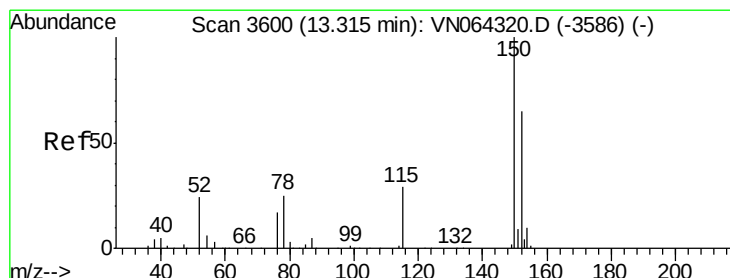
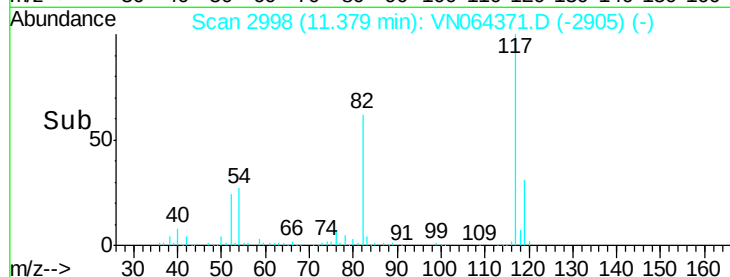
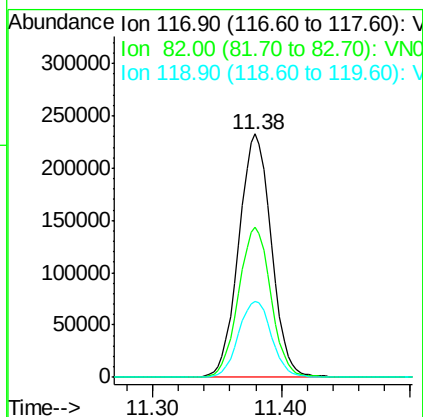
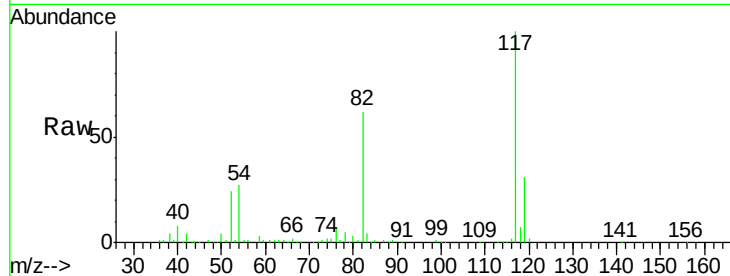




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064371.D  
Acq: 29 Oct 2020 14:10

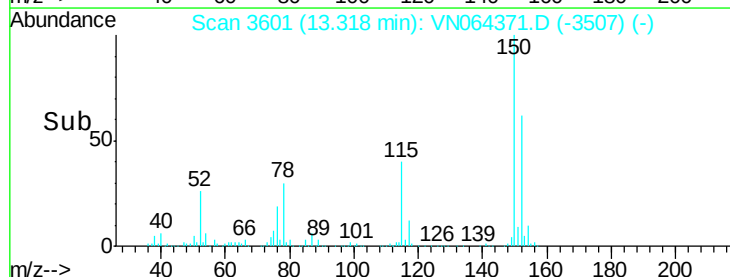
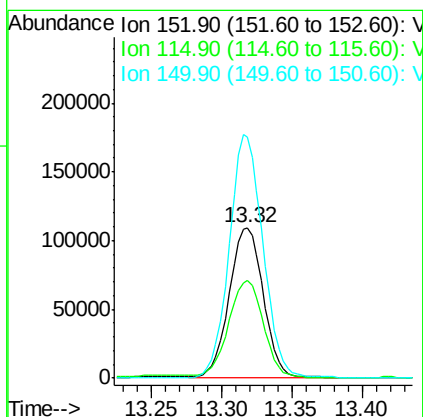
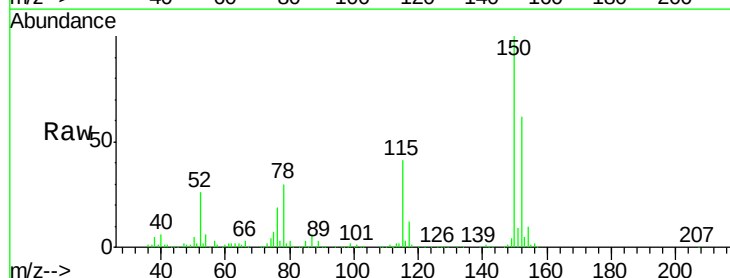
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

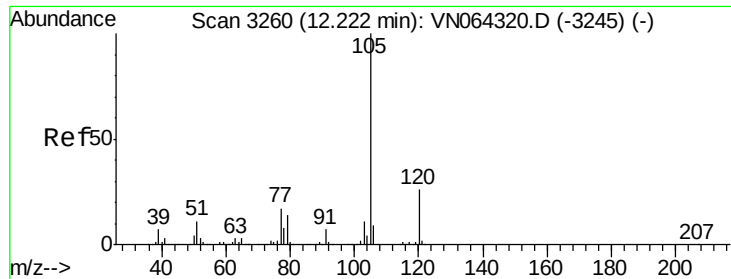
Tot Ion:117 Resp: 409830  
Ion Ratio Lower Upper  
117 100  
82 61.6 48.8 73.2  
119 31.4 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064371.D  
Acq: 29 Oct 2020 14:10

Tgt Ion:152 Resp: 183499  
Ion Ratio Lower Upper  
152 100  
115 66.4 31.5 94.5  
150 162.1 0.0 346.2





#73

Isopropylbenzene

Concen: 1.435 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064371.D

Acq: 29 Oct 2020 14:10

Instrument :

MSVOA\_N

ClientSampled :

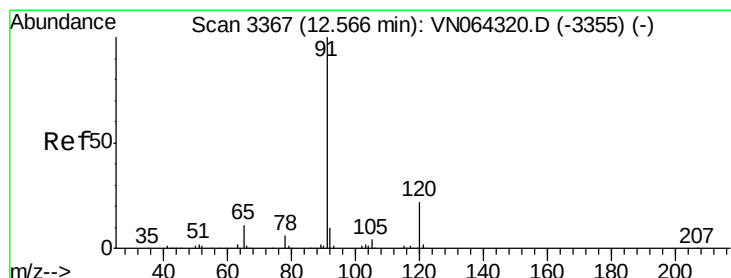
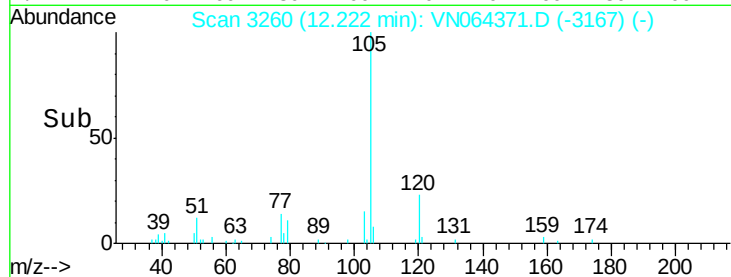
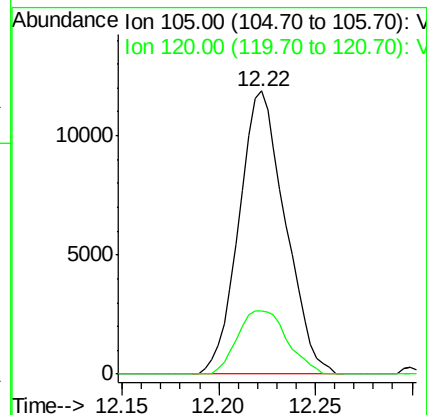
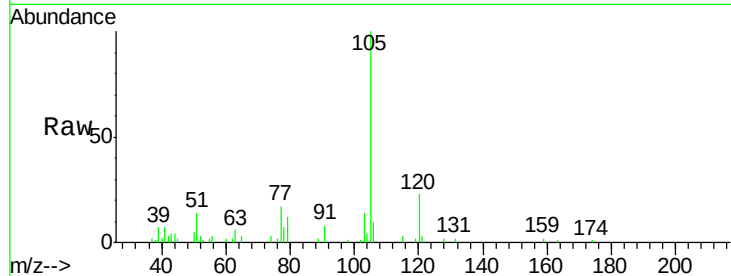
MW-2

Tot Ion:105 Resp: 19725

Ion Ratio Lower Upper

105 100

120 24.2 13.2 39.5



#78

n-propylbenzene

Concen: 0.685 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN064371.D

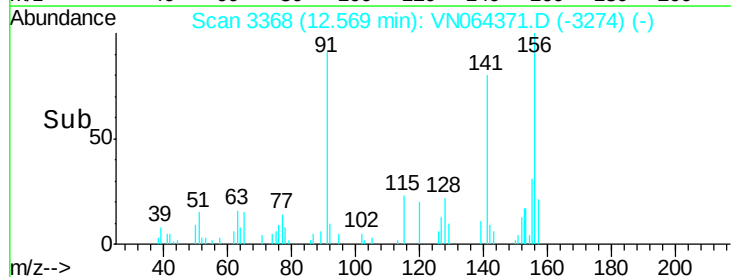
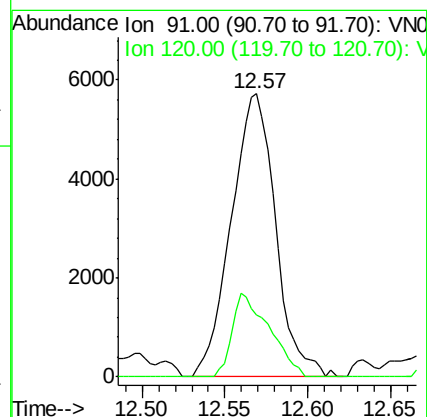
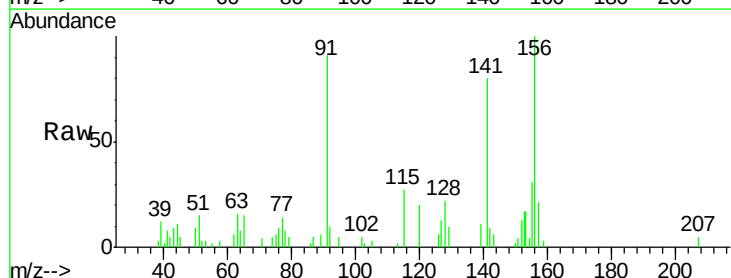
Acq: 29 Oct 2020 14:10

Tgt Ion: 91 Resp: 10661

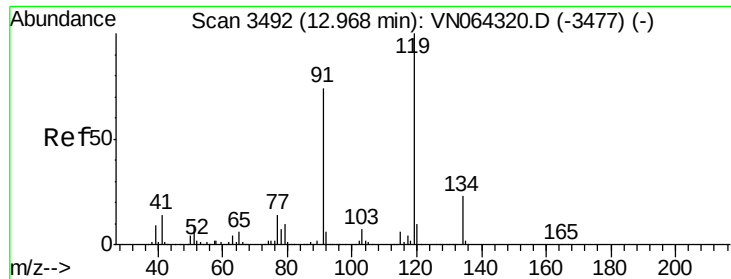
Ion Ratio Lower Upper

91 100

120 24.7 11.2 33.5



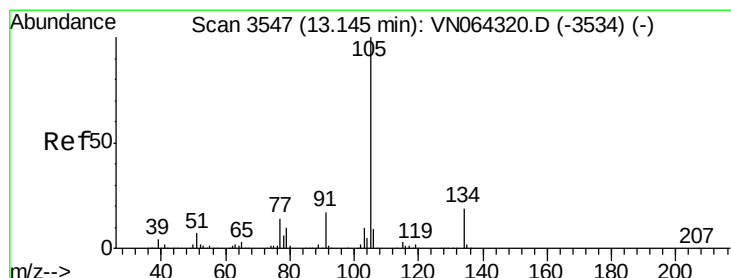
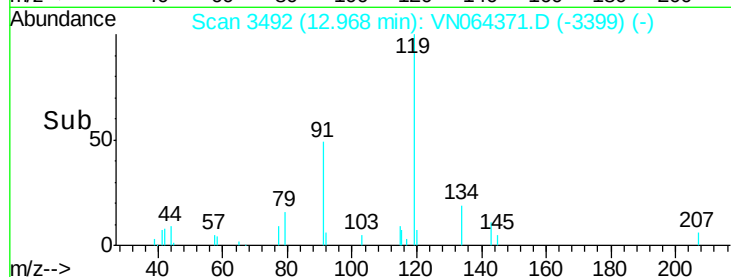
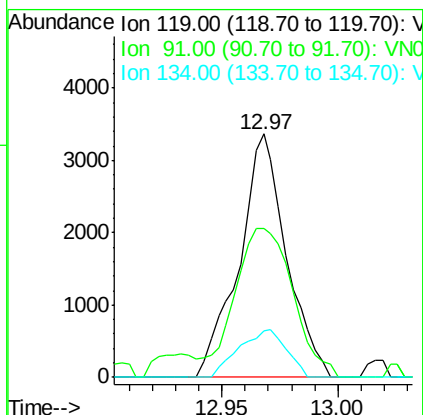
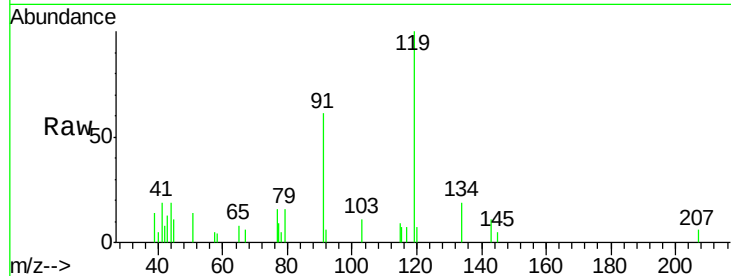




#83  
tert-Butylbenzene  
Concen: 0.501 ug/l  
RT: 12.97 min Scan# 3492  
Delta R.T. 0.00 min  
Lab File: VN064371.D  
Acq: 29 Oct 2020 14:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2

Tot Ion:119 Resp: 4777  
Ion Ratio Lower Upper  
119 100  
91 75.9 36.4 109.1  
134 19.6 12.0 36.1



#85  
sec-Butylbenzene  
Concen: 2.798 ug/l  
RT: 13.15 min Scan# 3548  
Delta R.T. 0.00 min  
Lab File: VN064371.D  
Acq: 29 Oct 2020 14:10

Tgt Ion:105 Resp: 34548  
Ion Ratio Lower Upper  
105 100  
134 27.5 9.6 28.8

