

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032420\  
 Data File : VY002057.D  
 Acq On : 24 Mar 2020 17:40  
 Operator : SY/MD  
 Sample : L1754-01  
 Misc : 6.16G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NB-08-032420

Quant Time: Mar 24 19:06:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

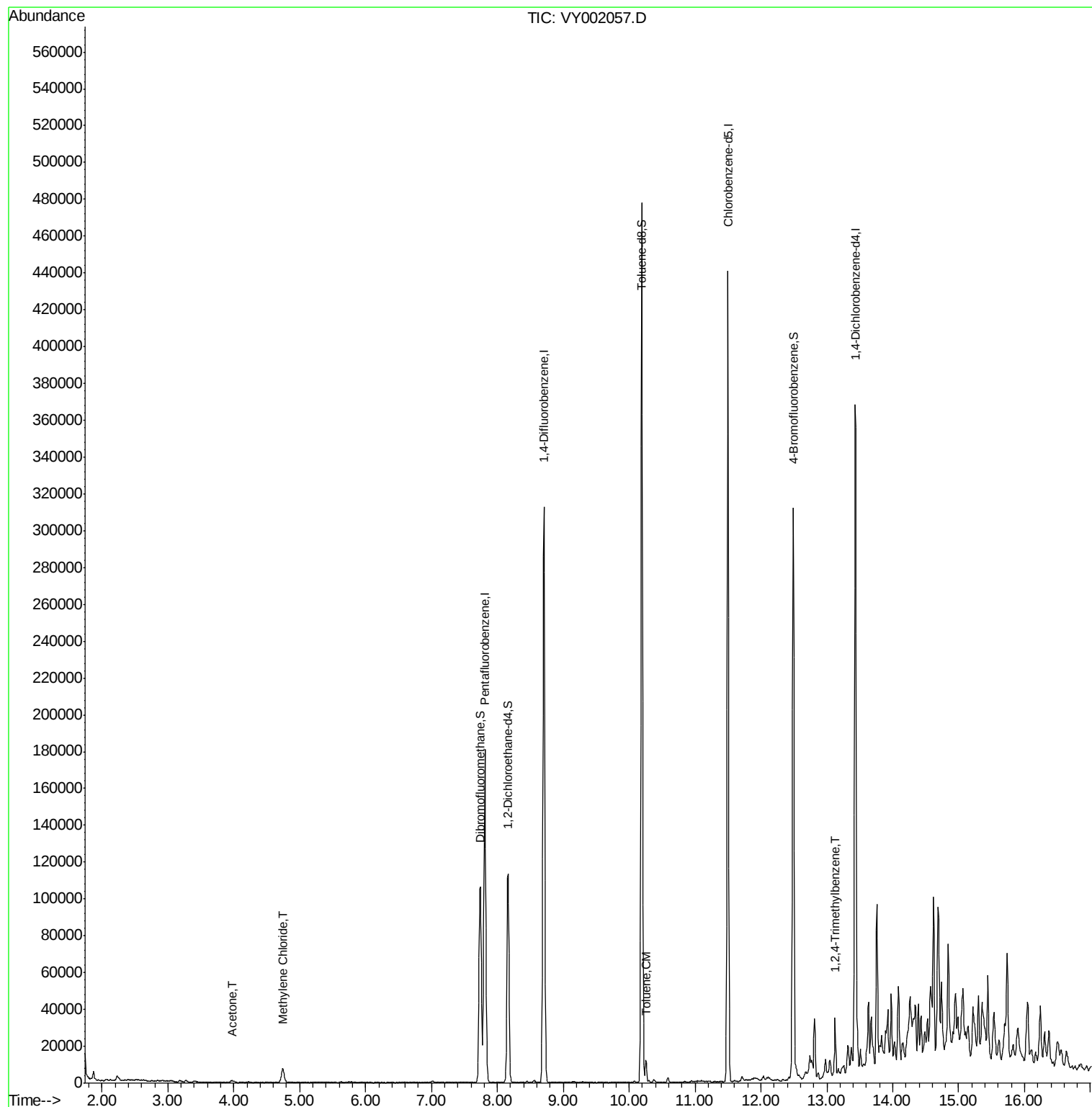
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 132536   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 262915   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 228657   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 87519    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 86823    | 61.36 | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.72% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 78365    | 54.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.18% |          |
| 50) Toluene-d8              | 10.19 | 98   | 314503   | 51.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.90% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 98885    | 46.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.96%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.98  | 43   | 2192     | 5.319 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.75  | 84   | 5719     | 3.238 | ug/l #  | 90       |
| 52) Toluene                 | 10.25 | 92   | 5026     | 1.103 | ug/l    | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.13 | 105  | 15183    | 2.782 | ug/l    | 99       |

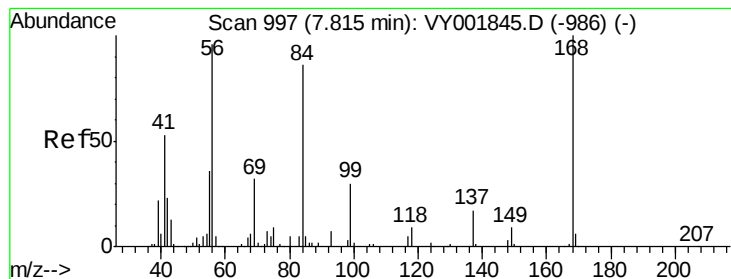
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002057.D

Acq: 24 Mar 2020 17:40

Instrument :

MSVOA\_Y

ClientSampleId :

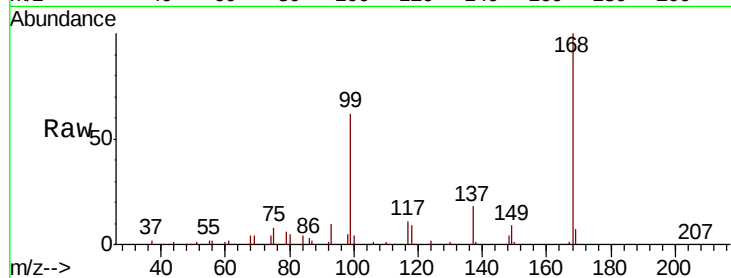
NB-08-032420

Tot Ion:168 Resp: 132536

Ion Ratio Lower Upper

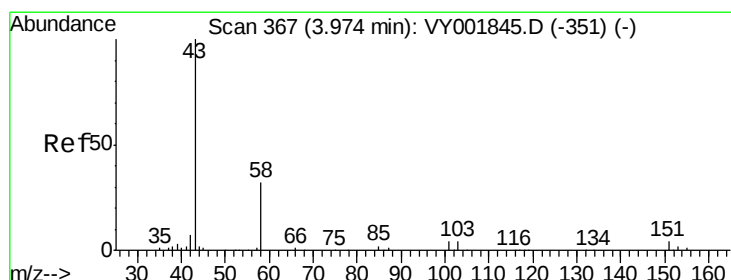
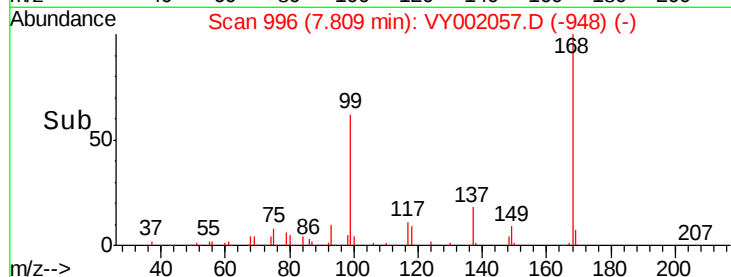
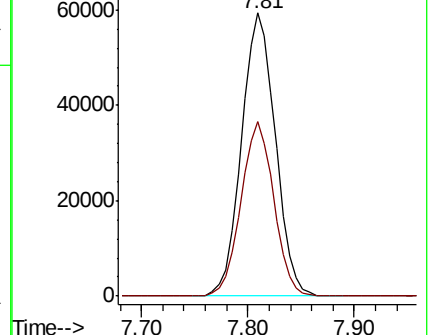
168 100

99 61.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#16

Acetone

Concen: 5.319 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002057.D

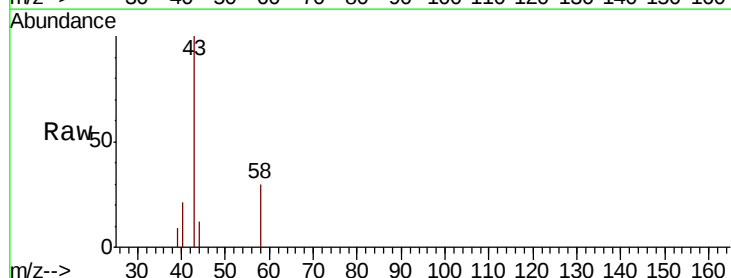
Acq: 24 Mar 2020 17:40

Tgt Ion: 43 Resp: 2192

Ion Ratio Lower Upper

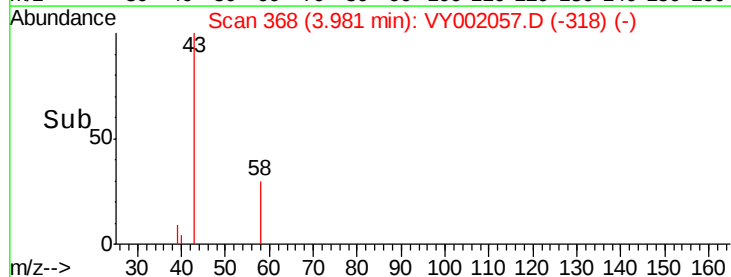
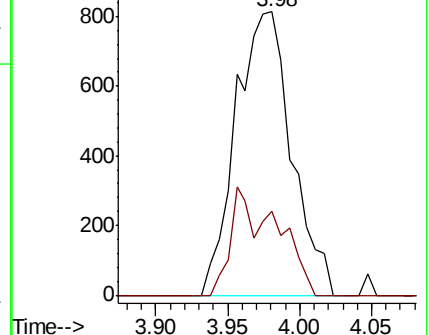
43 100

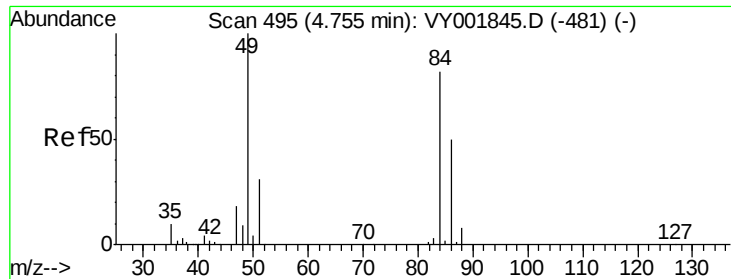
58 29.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

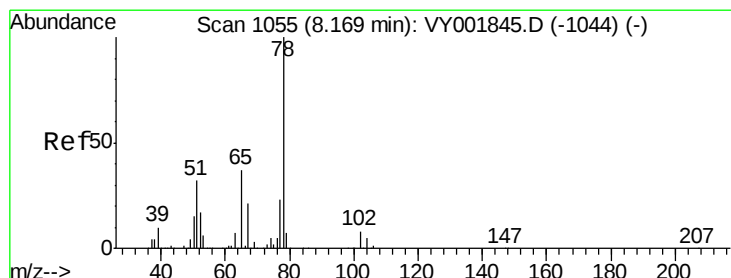
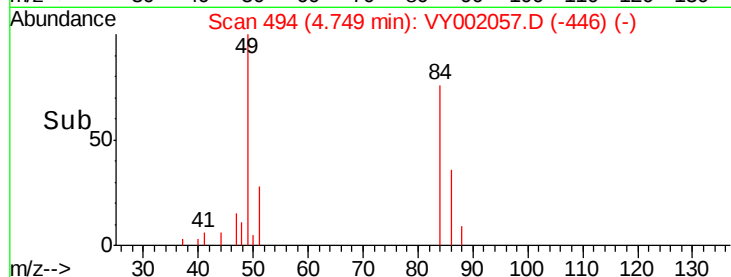
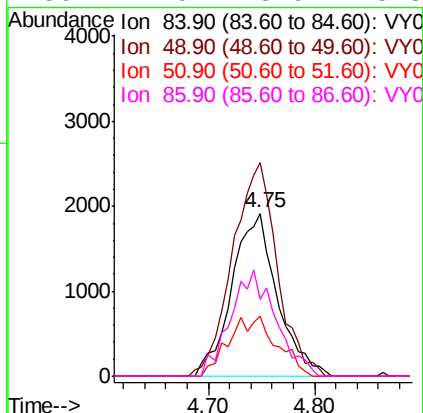
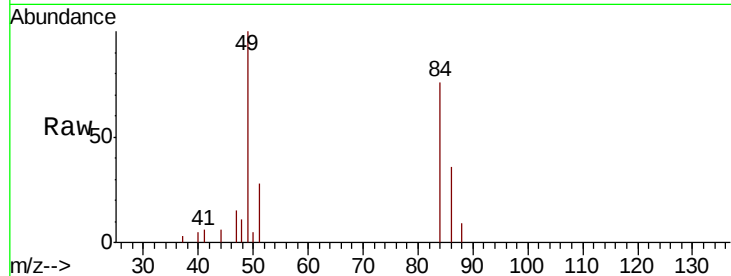




#20  
Methvlene Chloride  
Concen: 3.238 ug/l  
RT: 4.75 min Scan# 494  
Delta R.T. -0.01 min  
Lab File: VY002057.D  
Acq: 24 Mar 2020 17:40

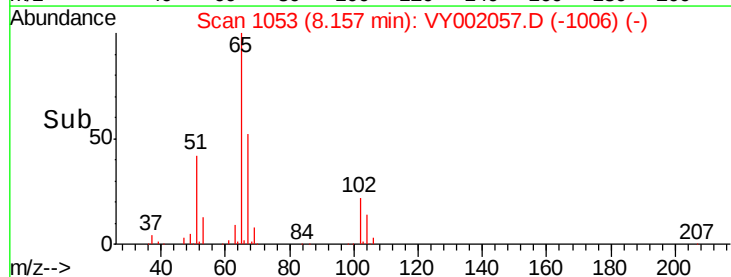
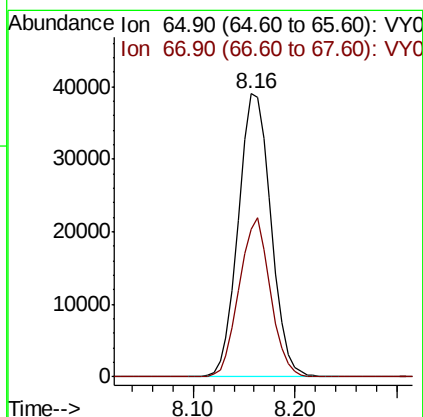
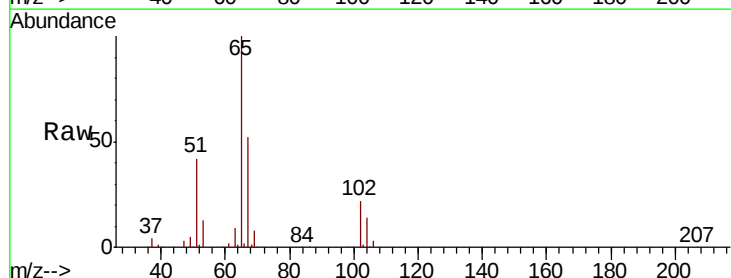
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-08-032420

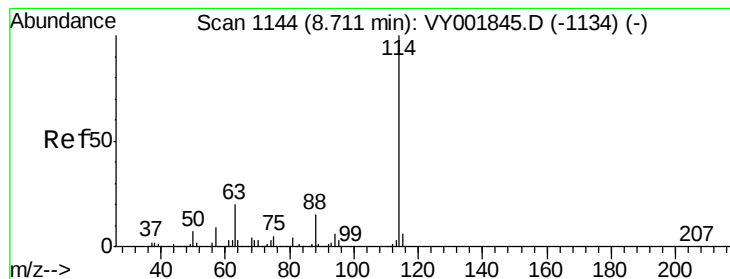
Tot Ion: 84 Resp: 5719  
Ion Ratio Lower Upper  
84 100  
49 131.3 98.2 147.2  
51 36.8 30.2 45.2  
86 47.0 48.9 73.3#



#33  
1,2-Dichloroethane-d4  
Concen: 61.363 ug/l  
RT: 8.16 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VY002057.D  
Acq: 24 Mar 2020 17:40

Tgt Ion: 65 Resp: 86823  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002057.D

Acq: 24 Mar 2020 17:40

Instrument :

MSVOA\_Y

ClientSampleId :

NB-08-032420

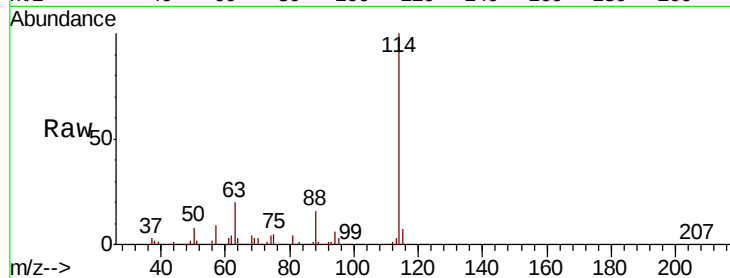
Tot Ion:114 Resp: 262915

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.4

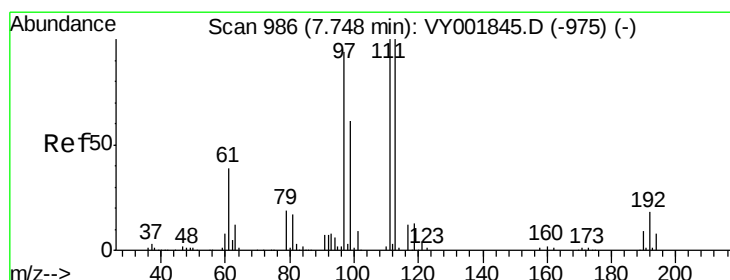
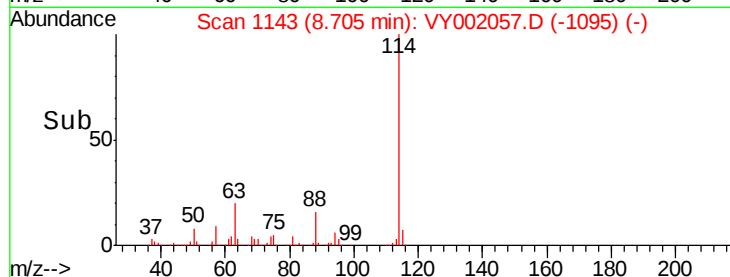
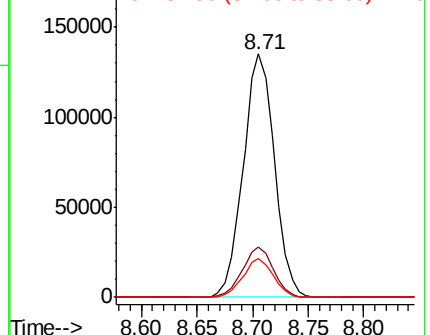
88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 54.586 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002057.D

Acq: 24 Mar 2020 17:40

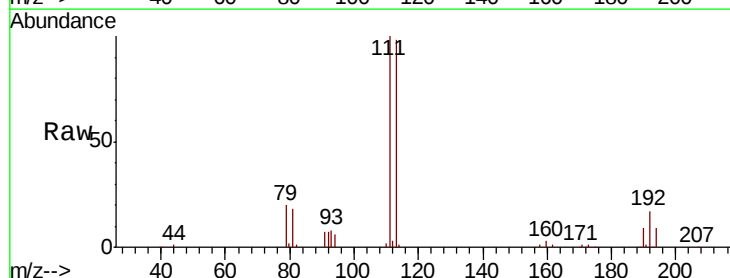
Tgt Ion:113 Resp: 78365

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

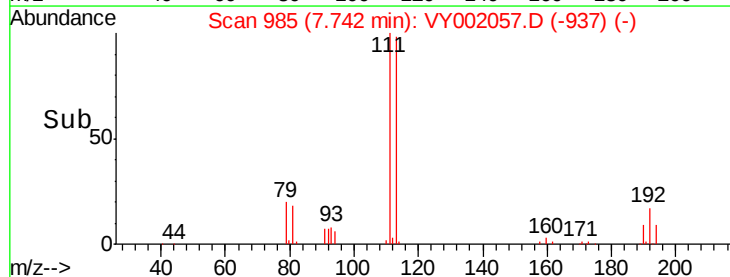
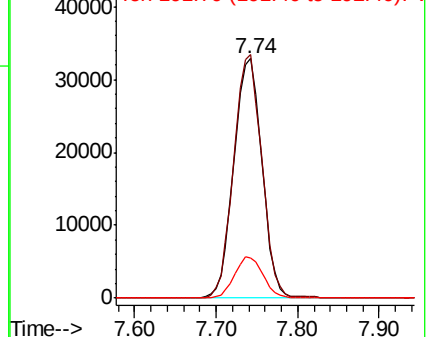
192 17.5 14.2 21.2

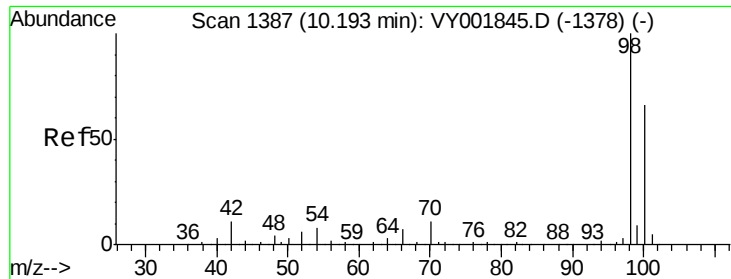


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.951 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002057.D

Acq: 24 Mar 2020 17:40

Instrument :

MSVOA\_Y

ClientSampleId :

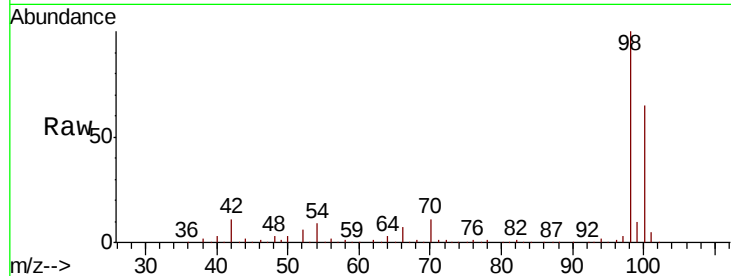
NB-08-032420

Tot Ion: 98 Resp: 314503

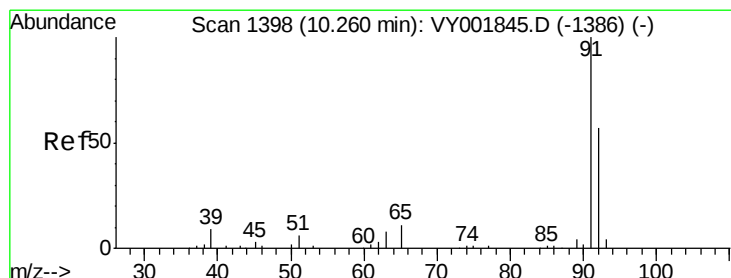
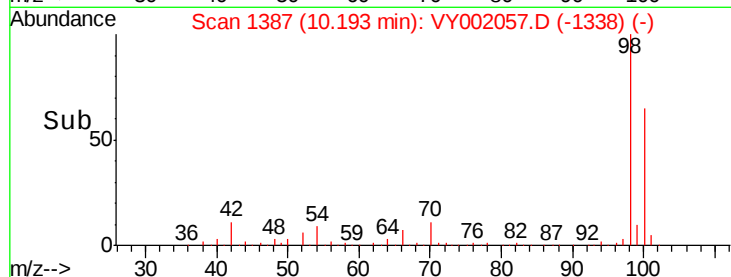
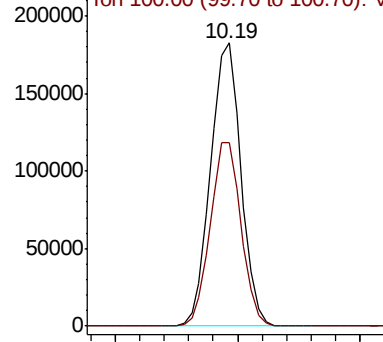
Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)



#52

Toluene

Concen: 1.103 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002057.D

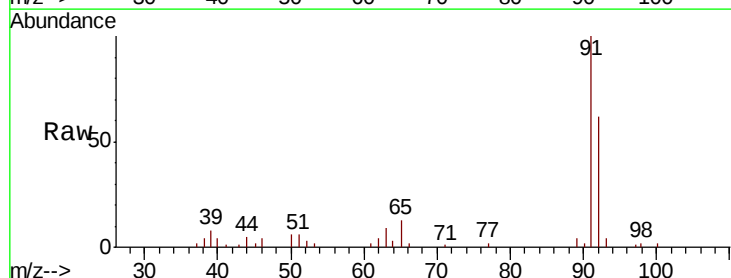
Acq: 24 Mar 2020 17:40

Tgt Ion: 92 Resp: 5026

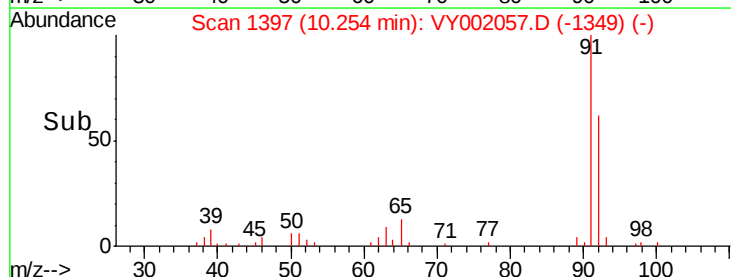
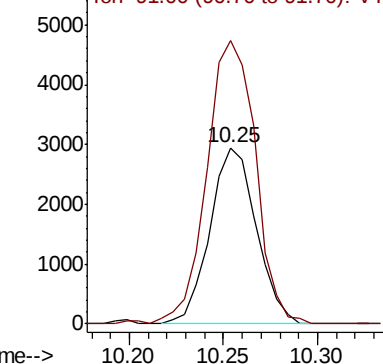
Ion Ratio Lower Upper

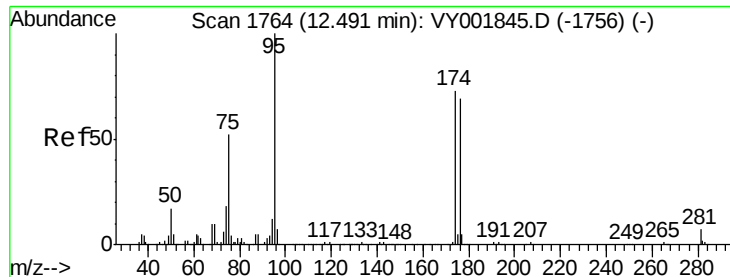
92 100

91 169.5 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

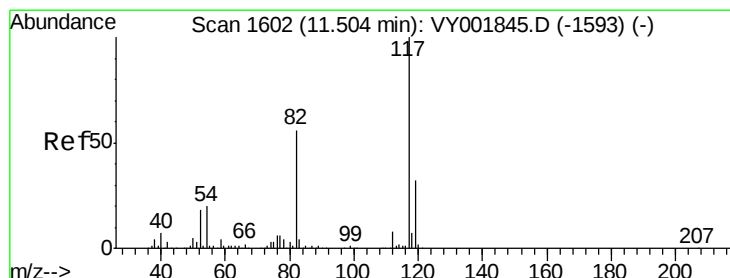
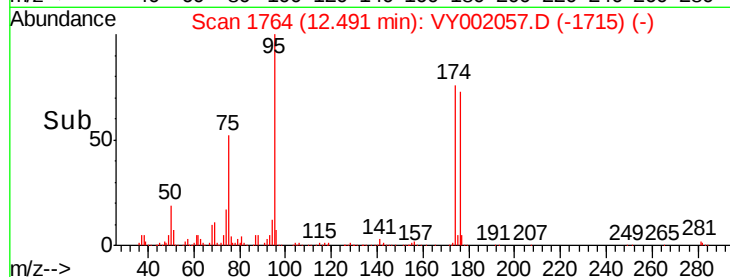
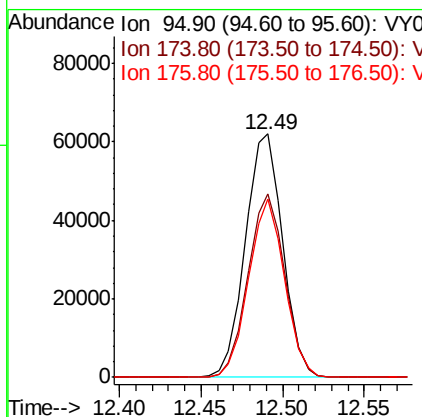
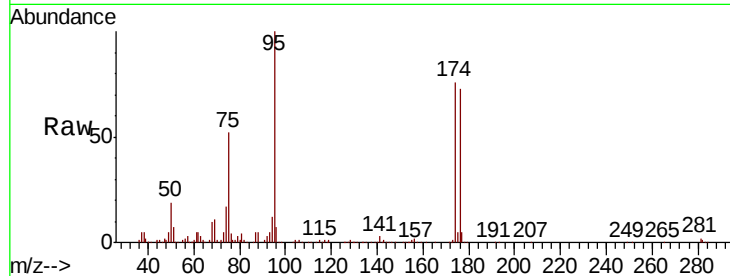




#62  
4-Bromofluorobenzene  
Concen: 46.976 ug/l  
RT: 12.49 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VY002057.D  
Acq: 24 Mar 2020 17:40

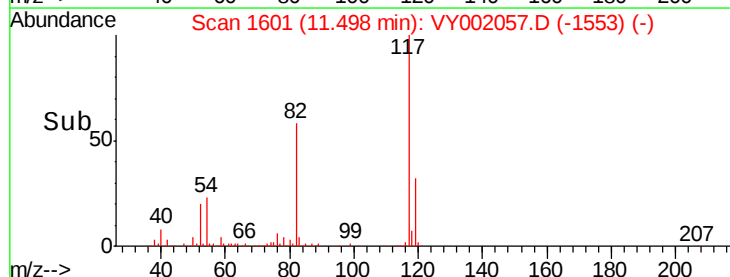
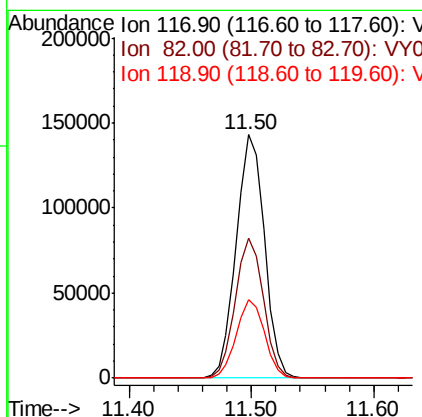
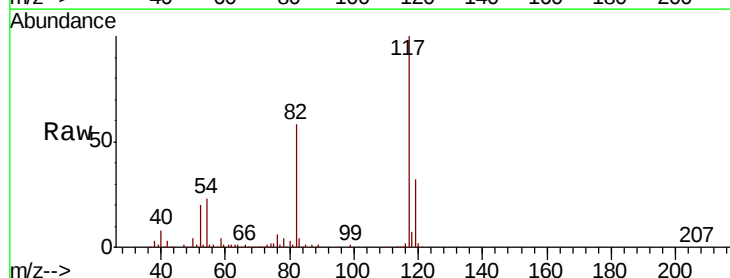
Instrument :  
MSVOA\_Y  
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NB-08-032420

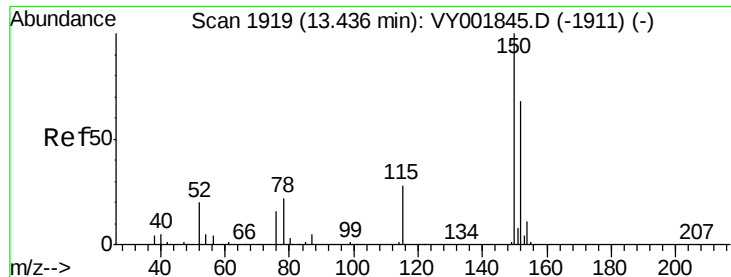
Tot Ion: 95 Resp: 98885  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 145.0  
176 70.3 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY002057.D  
Acq: 24 Mar 2020 17:40

Tgt Ion: 117 Resp: 228657  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.5 66.7  
119 32.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002057.D

Acq: 24 Mar 2020 17:40

Instrument :

MSVOA\_Y

ClientSampleId :

NB-08-032420

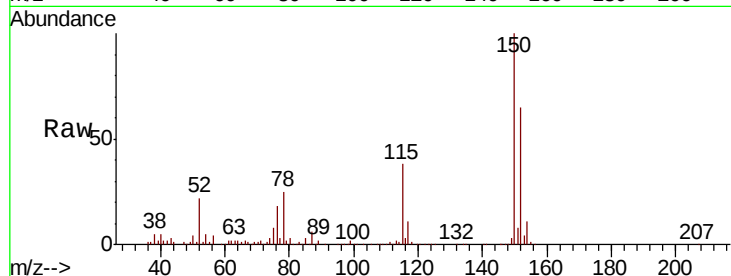
Tot Ion:152 Resp: 87519

Ion Ratio Lower Upper

152 100

115 62.6 29.9 89.7

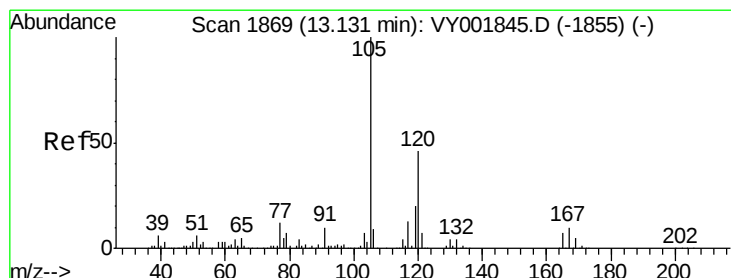
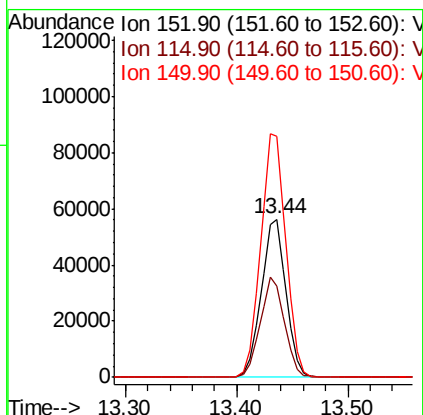
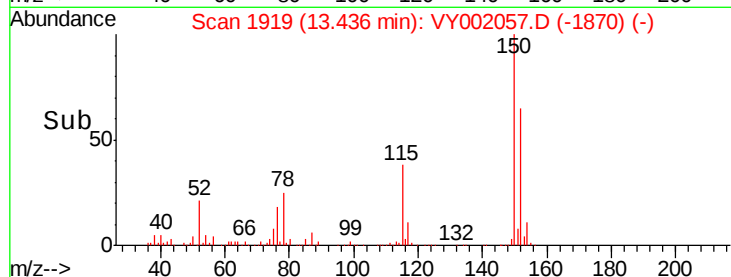
150 156.5 0.0 340.6



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



#84

1,2,4-Trimethylbenzene

Concen: 2.782 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY002057.D

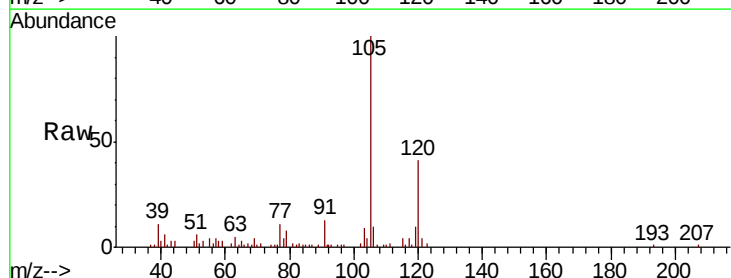
Acq: 24 Mar 2020 17:40

Tgt Ion:105 Resp: 15183

Ion Ratio Lower Upper

105 100

120 45.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

