

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081319\  
 Data File : VN057250.D  
 Acq On : 13 Aug 2019 16:58  
 Operator : JC/SP  
 Sample : VN0813WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

Quant Time: Aug 14 06:30:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 06:25:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1492463  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2071086  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1674402  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 403413   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 687721   | 45.68 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.36% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 618875   | 46.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.60% |      |
| 50) Toluene-d8              | 10.09  | 98  | 2388658  | 49.52 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.04% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 616994   | 37.30 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.60% |      |

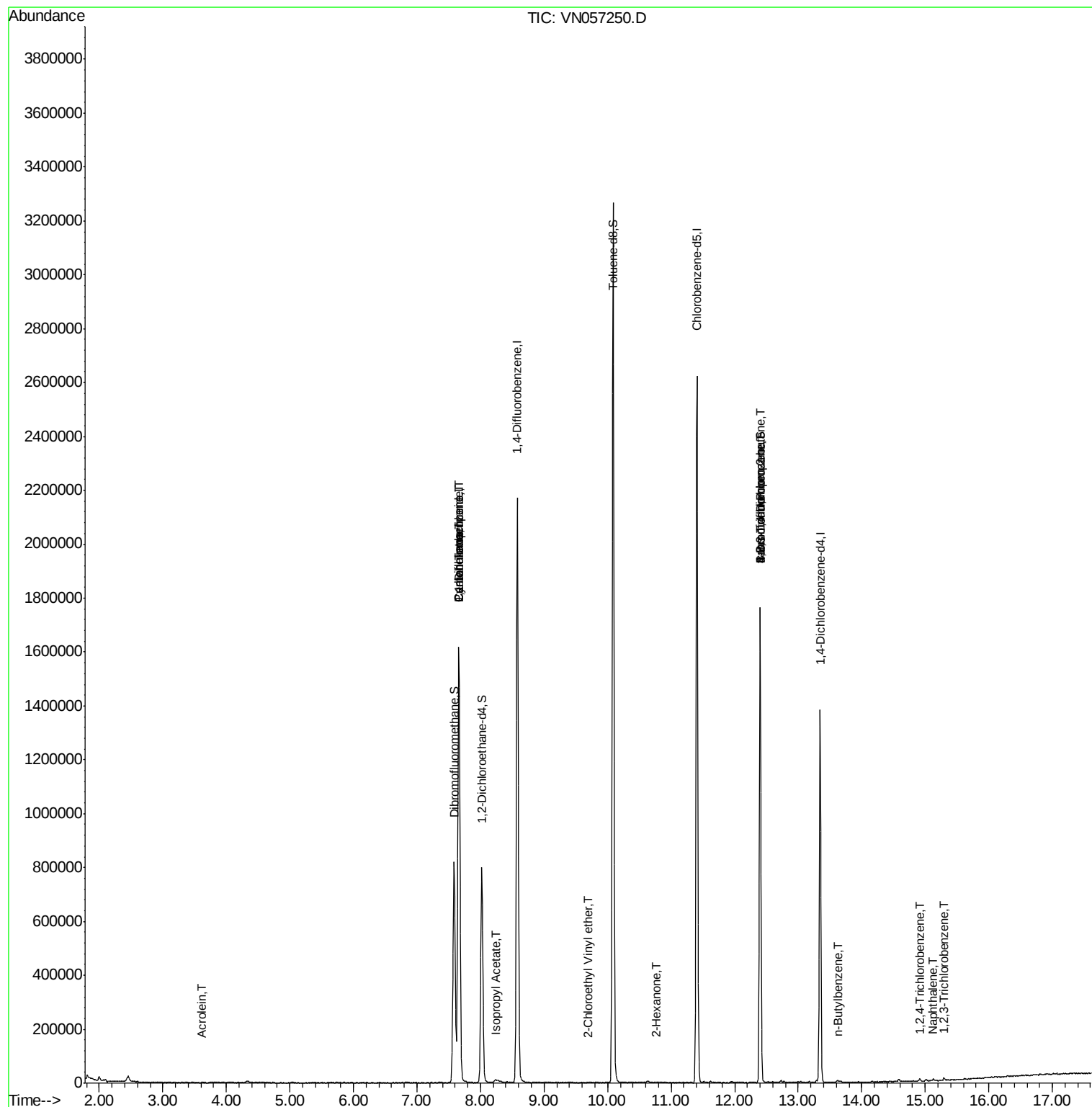
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 13) Acrolein                   | 3.62  | 56   | 414      | 0.285     | ug/l # | 1      |
| 18) Methyl Acetate             | 4.33  | 43   | 14505    | Below Cal |        | 91     |
| 31) Cyclohexane                | 7.66  | 56   | 22620    | 1.061     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 90615    | 5.004     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 122779   | 6.383     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.24  | 43   | 12867    | 0.537     | ug/l # | 52     |
| 58) 2-Chloroethyl Vinyl ether  | 9.71  | 63   | 185      | 20.557    | ug/l # | 45     |
| 59) 2-Hexanone                 | 10.77 | 43   | 2104     | 0.211     | ug/l # | 49     |
| 71) Bromoform                  | 12.40 | 173  | 5376     | 0.530     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.26 | 105  | 2065     | Below Cal | #      | 70     |
| 74) N-amyl acetate             | 12.08 | 43   | 1804     | Below Cal | #      | 67     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 31       | Below Cal | #      | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 280993   | 39.015    | ug/l # | 100    |
| 77) Bromobenzene               | 12.53 | 156  | 945      | Below Cal |        | 66     |
| 78) n-propylbenzene            | 12.59 | 91   | 3197     | Below Cal |        | 95     |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 2455     | Below Cal |        | 78     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2958     | Below Cal |        | 84     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 280993   | 93.558    | ug/l # | 16     |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1928     | Below Cal |        | 89     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3363     | Below Cal |        | 91     |
| 89) n-Butylbenzene             | 13.62 | 91   | 5253     | 0.252     | ug/l   | 97     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 3333     | 3.833     | ug/l   | 99     |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1421     | Below Cal | #      | 66     |
| 95) Naphthalene                | 15.13 | 128  | 4673     | 0.661     | ug/l # | 92     |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 3800     | 4.965     | ug/l   | 96     |

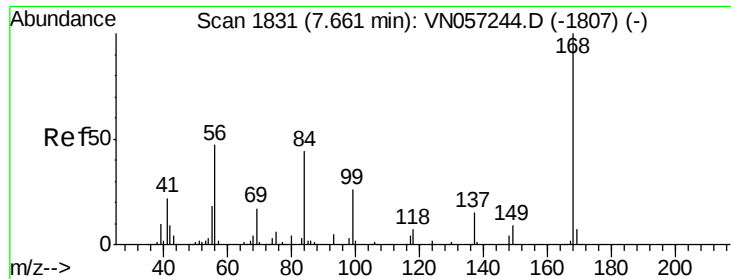
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 14 06:30:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 14 06:25:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

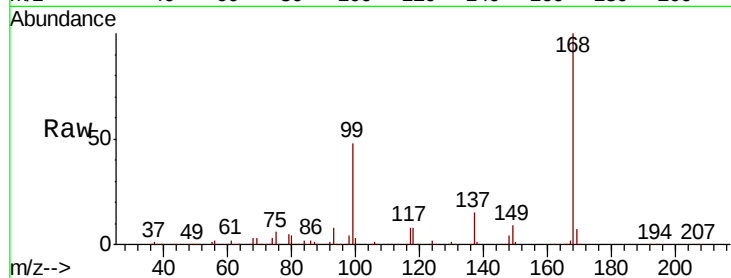
VN0813WBL01

Tgt Ion:168 Resp: 1492463

Ion Ratio Lower Upper

168 100

99 48.3 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

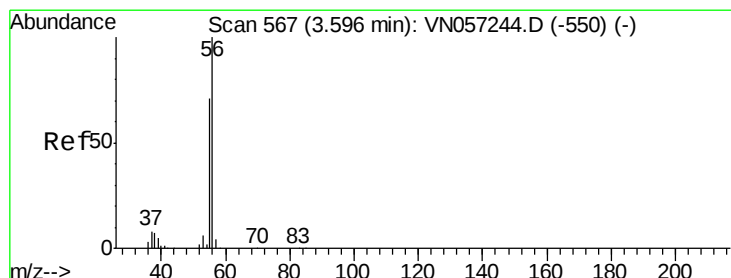
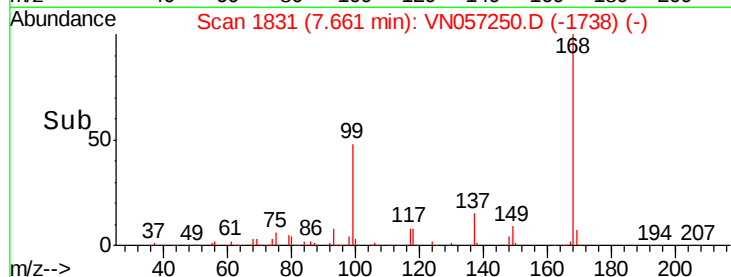
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.285 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.02 min

Lab File: VN057250.D

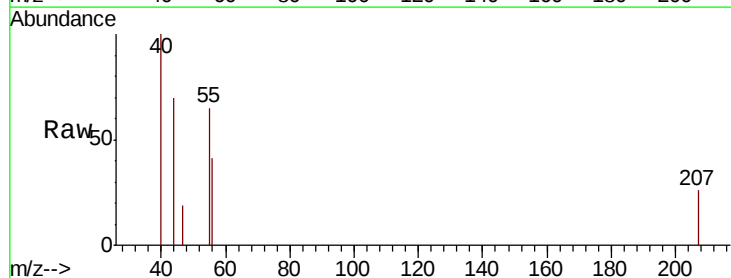
Acq: 13 Aug 2019 16:58

Tgt Ion: 56 Resp: 414

Ion Ratio Lower Upper

56 100

55 174.6 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN057244.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN057244.D (-550) (-)

3.62

600

500

400

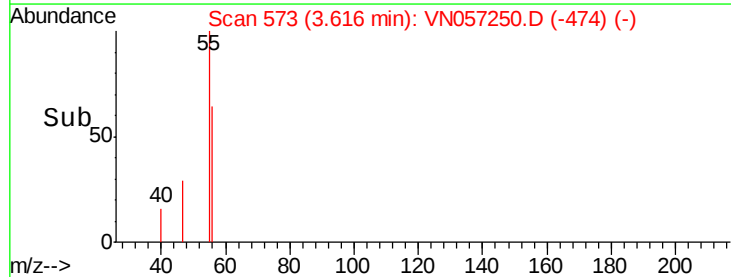
300

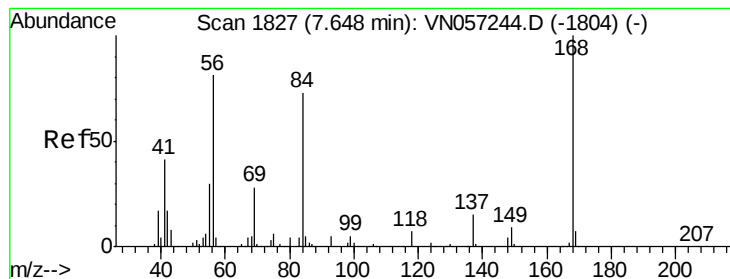
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.061 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampled :

VN0813WBL01

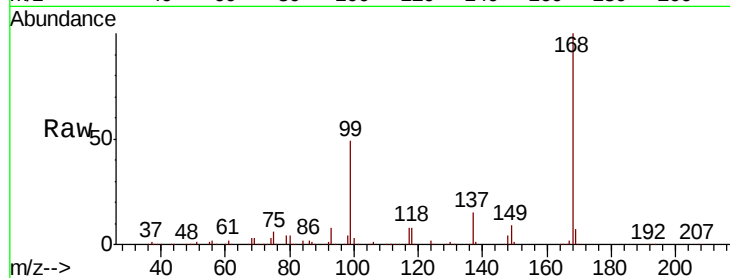
Tgt Ion: 56 Resp: 22620

Ion Ratio Lower Upper

56 100

69 179.8 27.8 41.8#

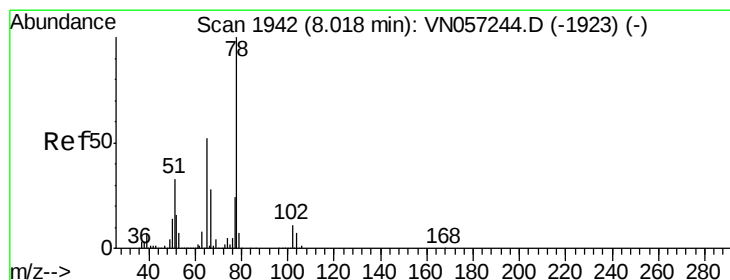
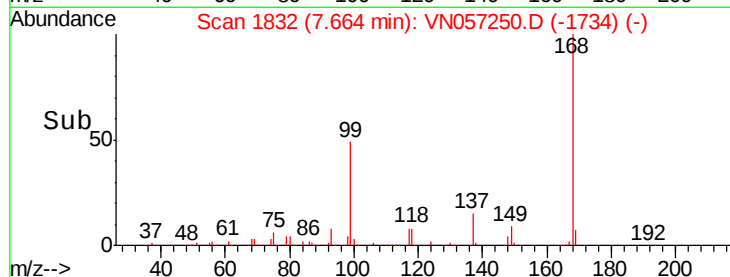
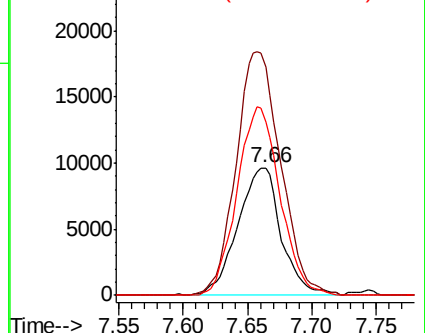
84 136.1 72.0 108.0#



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: 45.679 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057250.D

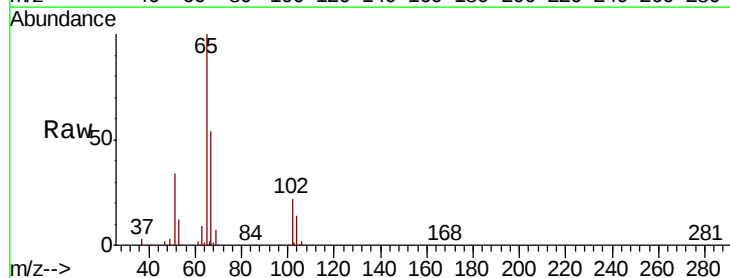
Acq: 13 Aug 2019 16:58

Tgt Ion: 65 Resp: 687721

Ion Ratio Lower Upper

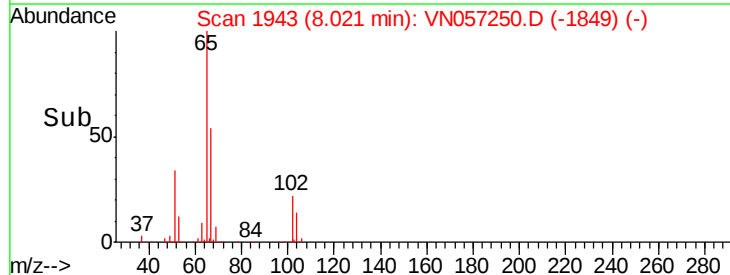
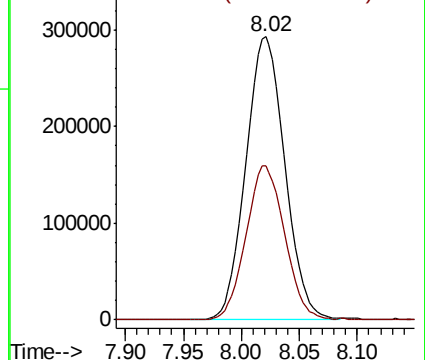
65 100

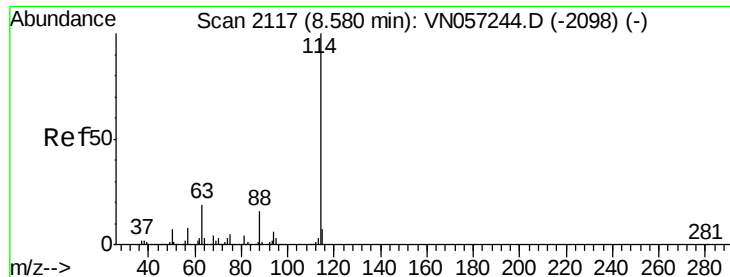
67 53.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

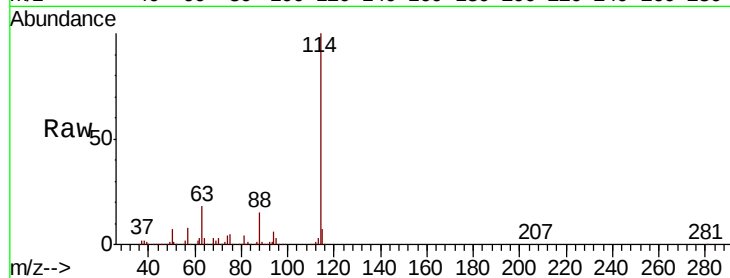




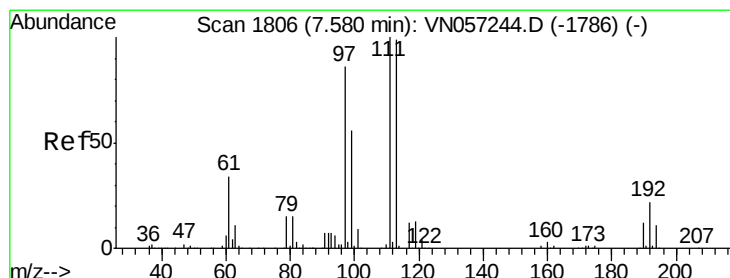
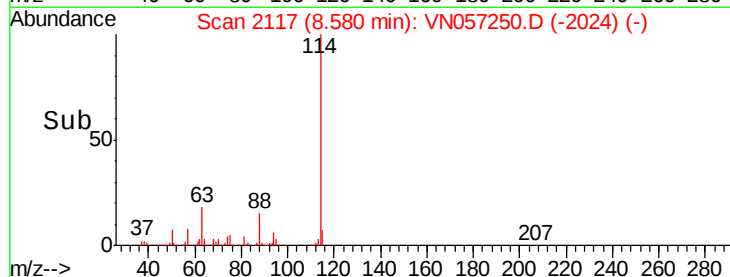
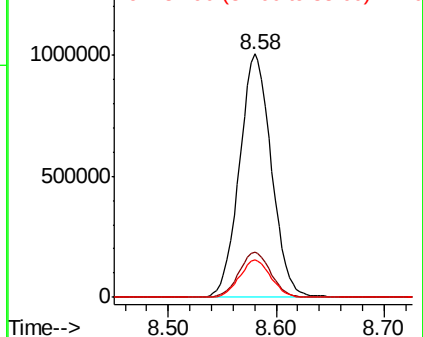
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2117  
Delta R.T. -0.00 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0813WBL01

Tgt Ion:114 Resp: 2071086  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 37.0  
88 15.4 0.0 31.0

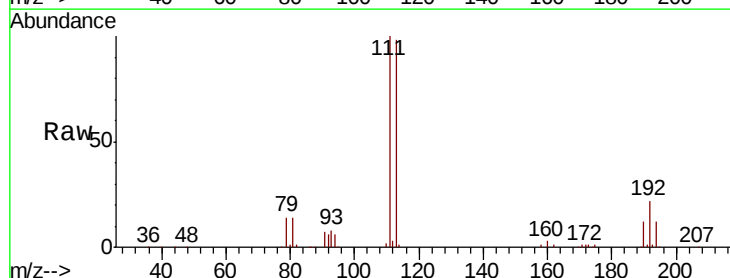


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

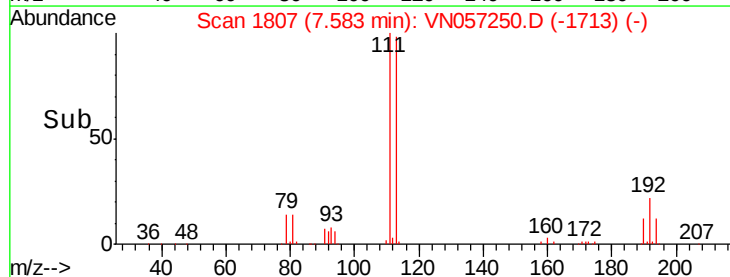
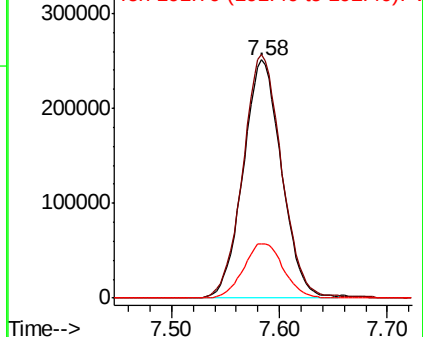


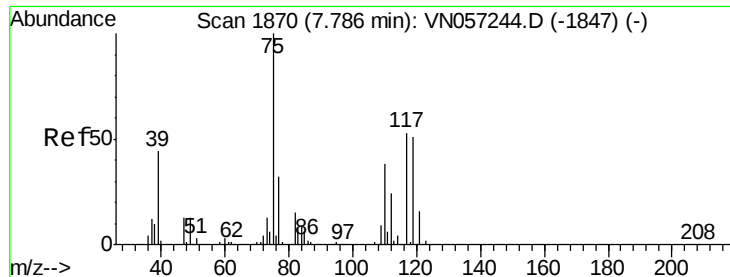
#35  
Dibromofluoromethane  
Concen: 46.798 ug/l  
RT: 7.58 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

Tgt Ion:113 Resp: 618875  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.4 122.2  
192 24.0 18.8 28.2



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

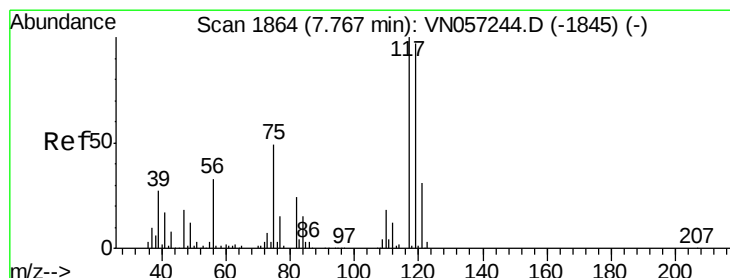
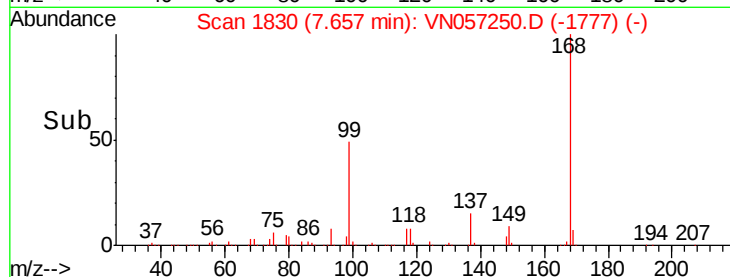
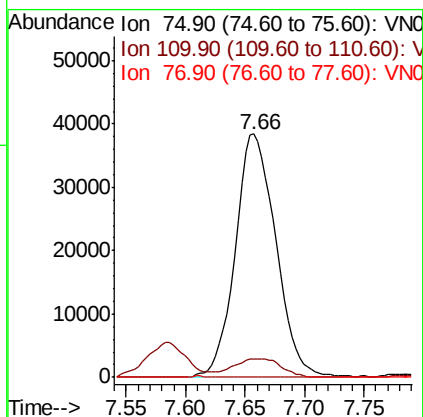
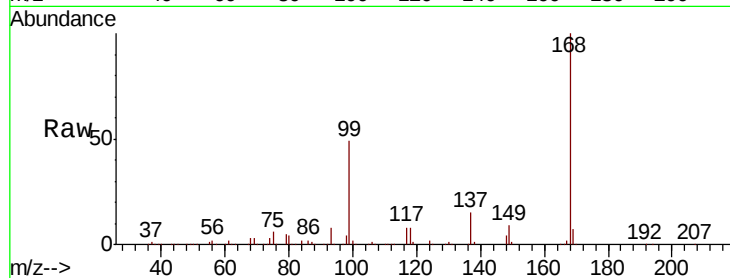




#36  
 1,1-Dichloropropene  
 Concen: 5.004 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

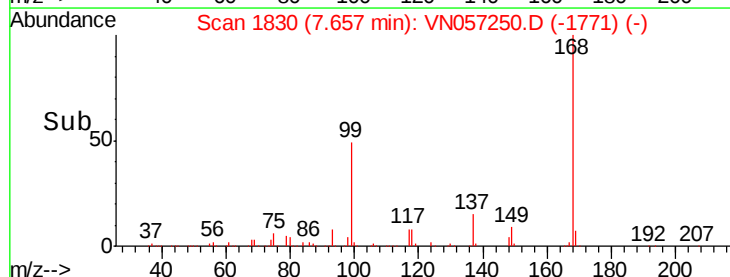
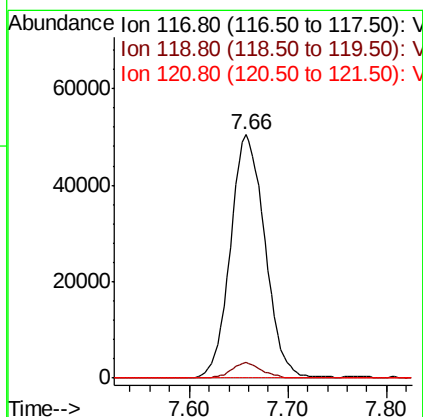
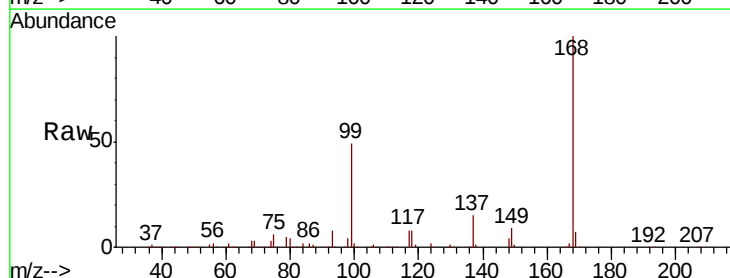
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0813WBL01

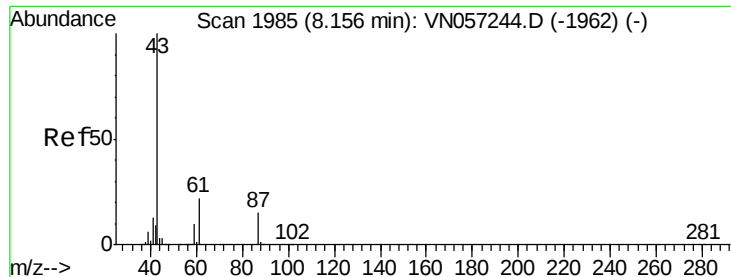
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.7   | 19.1  | 57.1# |
| 77      | 0.0   | 25.2  | 37.8# |



#38  
 Carbon Tetrachloride  
 Concen: 6.383 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.11 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 6.2   | 77.8  | 116.6# |
| 121     | 0.0   | 24.9  | 37.3#  |





#43

Isopropyl Acetate

Concen: 0.537 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.08 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0813WBL01

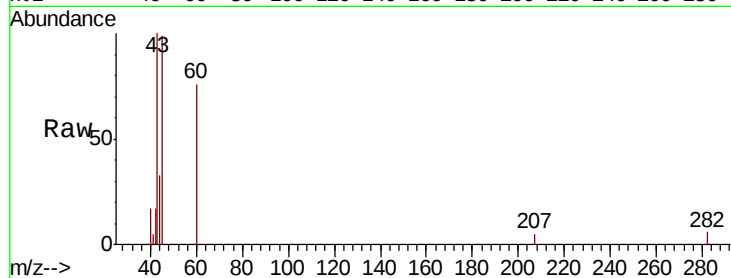
Tgt Ion: 43 Resp: 12867

Ion Ratio Lower Upper

43 100

61 0.0 23.5 35.3#

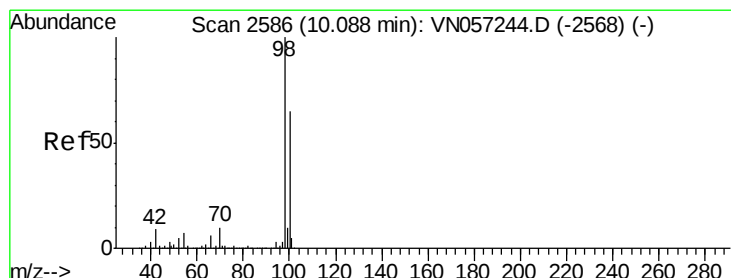
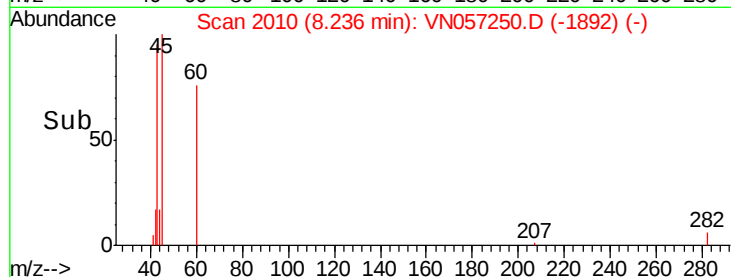
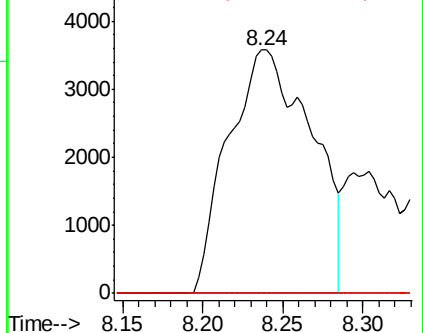
87 0.0 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.522 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057250.D

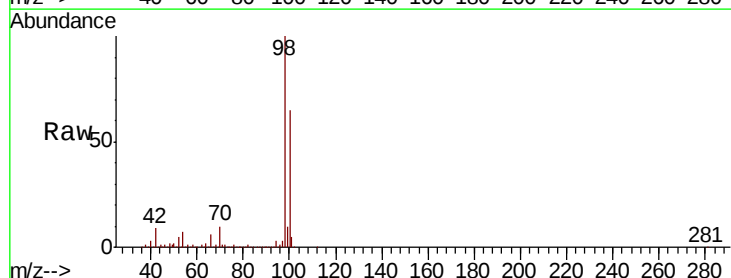
Acq: 13 Aug 2019 16:58

Tgt Ion: 98 Resp: 2388658

Ion Ratio Lower Upper

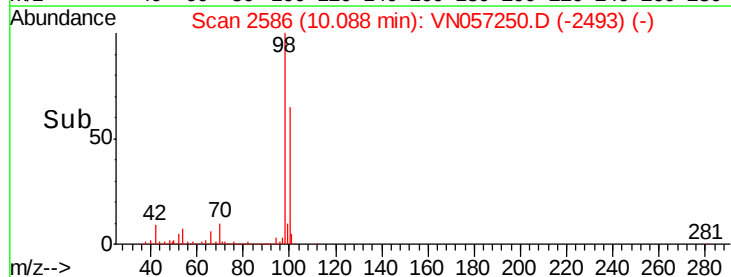
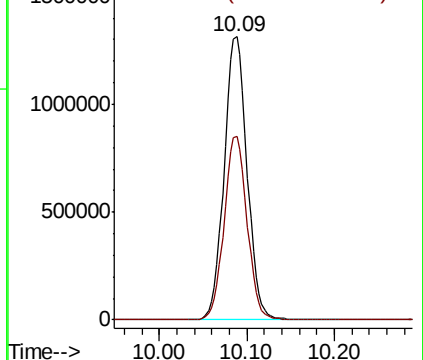
98 100

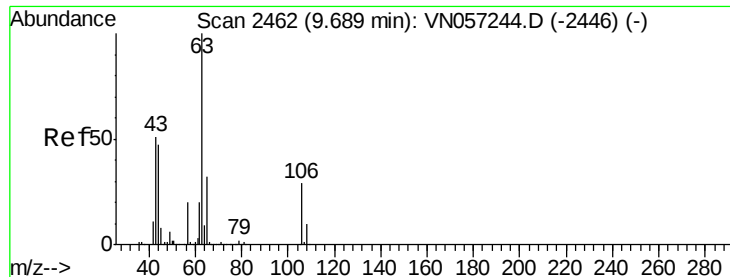
100 64.9 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 20.557 ug/l

RT: 9.71 min Scan# 2467

Delta R.T. 0.02 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

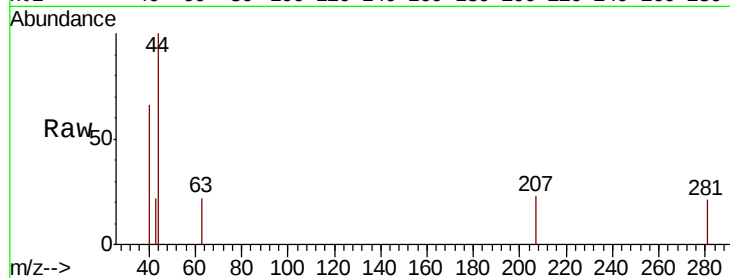
VN0813WBL01

Tgt Ion: 63 Resp: 185

Ion Ratio Lower Upper

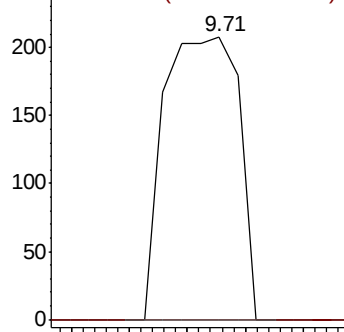
63 100

106 0.0 23.4 35.2#

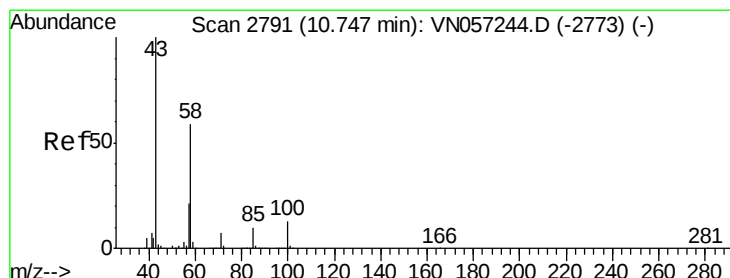
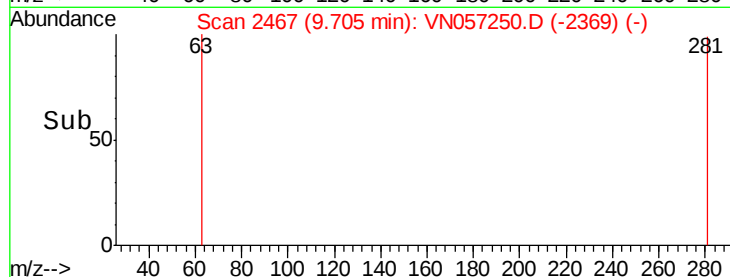


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.68 9.69 9.70 9.71 9.72



#59

2-Hexanone

Concen: 0.211 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN057250.D

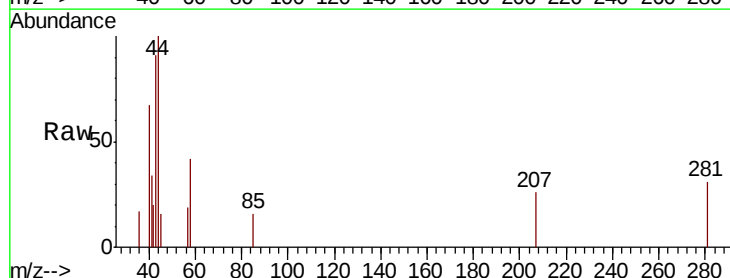
Acq: 13 Aug 2019 16:58

Tgt Ion: 43 Resp: 2104

Ion Ratio Lower Upper

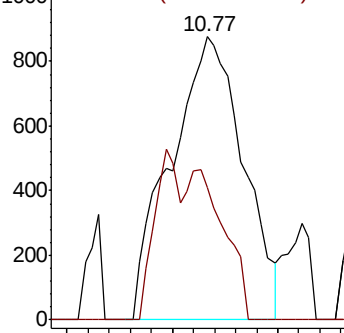
43 100

58 20.5 29.1 87.4#

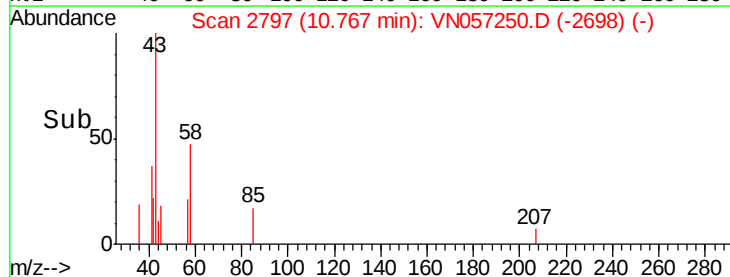


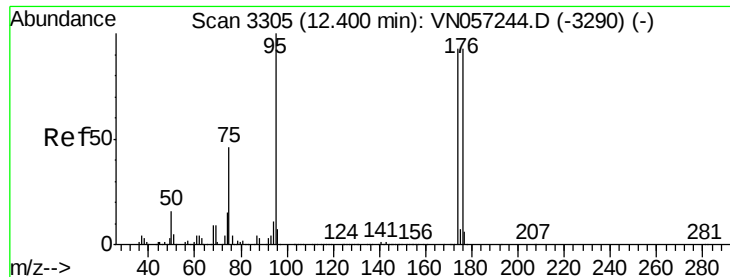
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 37.300 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0813WBL01

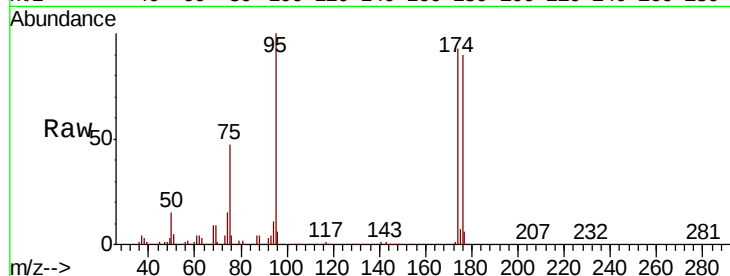
Tgt Ion: 95 Resp: 616994

Ion Ratio Lower Upper

95 100

174 93.7 0.0 187.6

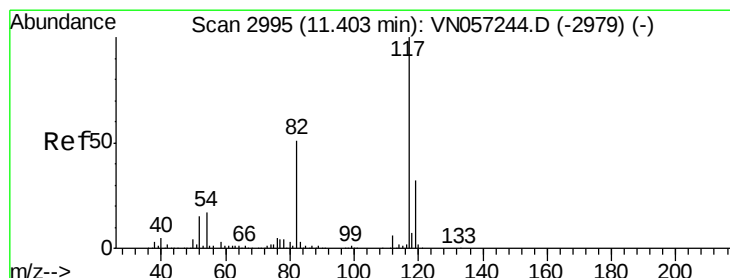
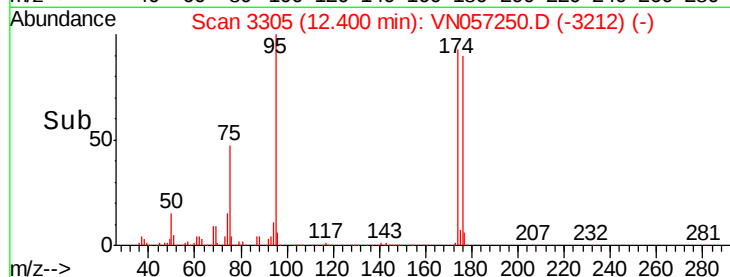
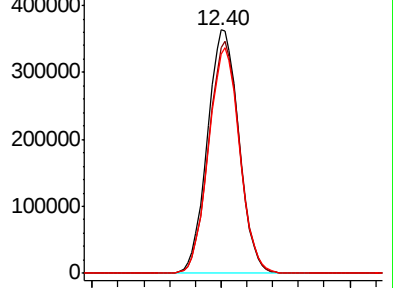
176 91.5 0.0 185.8



Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

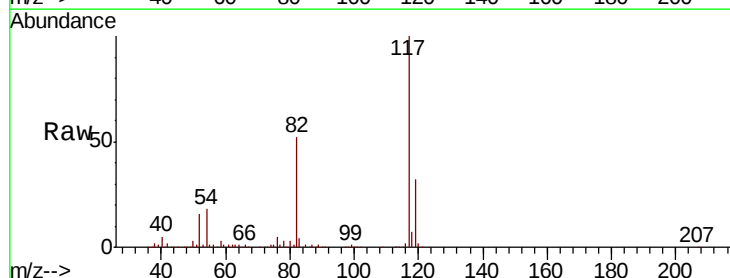
Tgt Ion: 117 Resp: 1674402

Ion Ratio Lower Upper

117 100

82 51.8 40.9 61.3

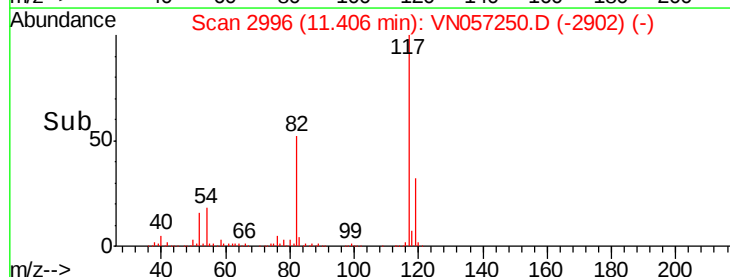
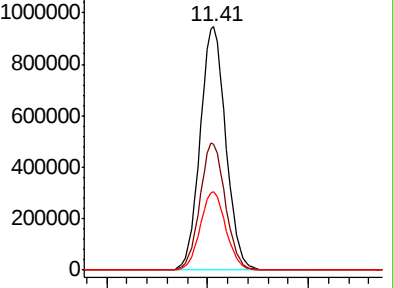
119 32.1 25.4 38.2

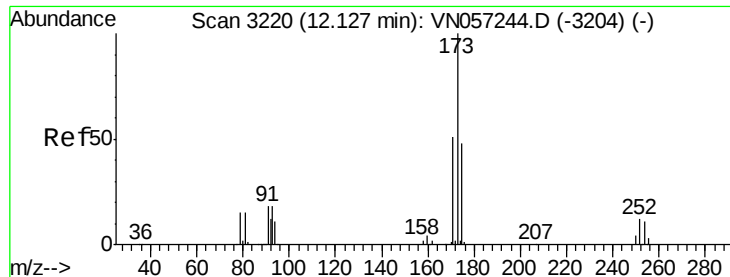


Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0813WBL01

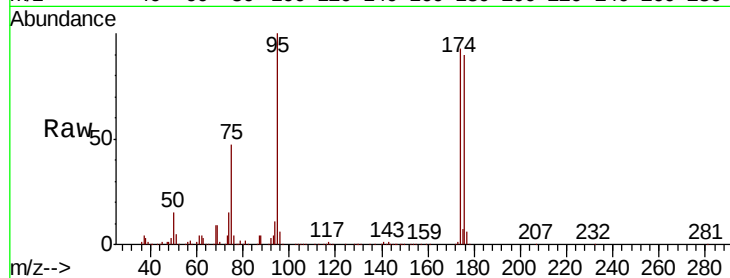
Tgt Ion:173 Resp: 5376

Ion Ratio Lower Upper

173 100

175 698.9 24.4 73.2#

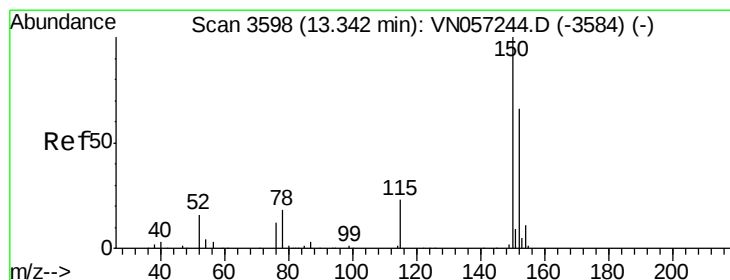
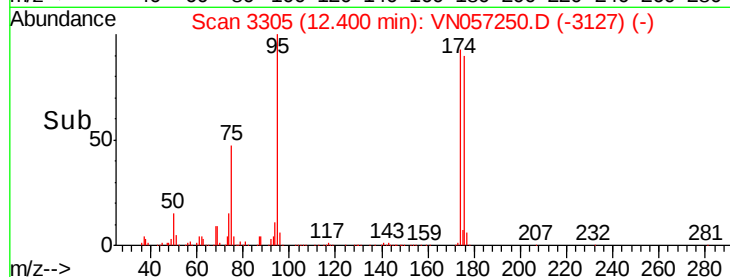
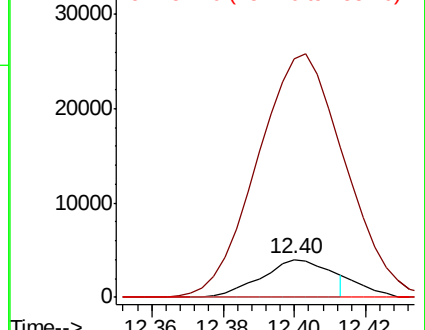
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

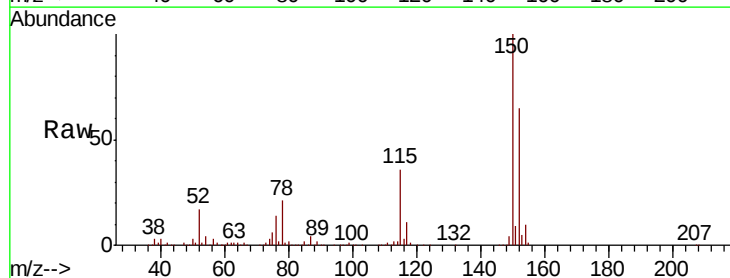
Tgt Ion:152 Resp: 403413

Ion Ratio Lower Upper

152 100

115 55.5 27.6 82.8

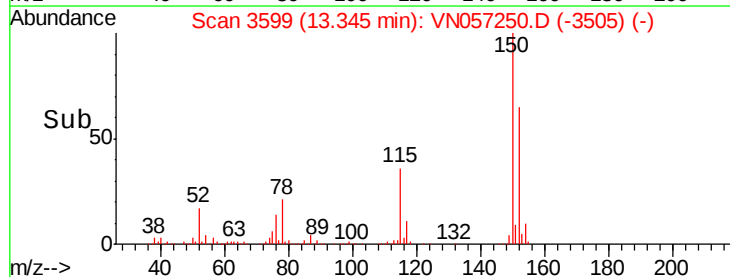
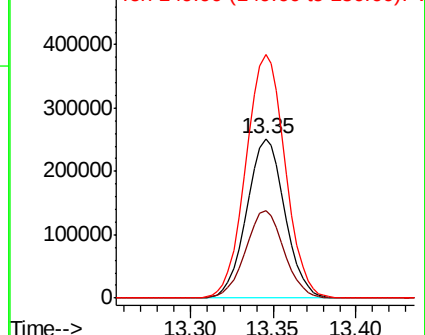
150 157.5 0.0 348.4

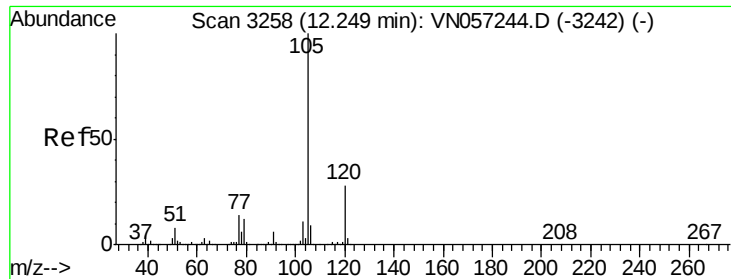


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampled :

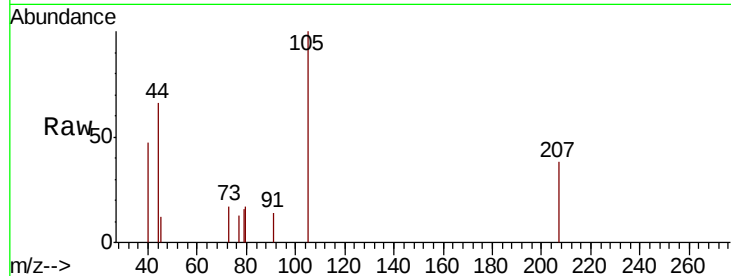
VN0813WBL01

Tgt Ion: 105 Resp: 2065

Ion Ratio Lower Upper

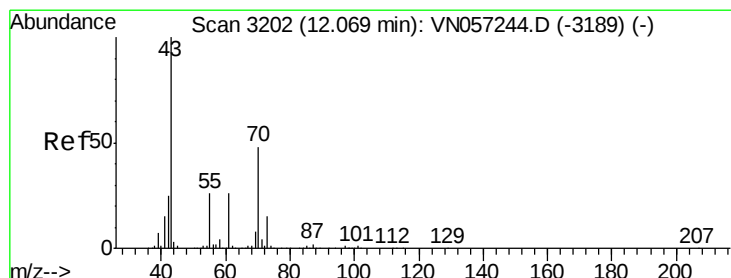
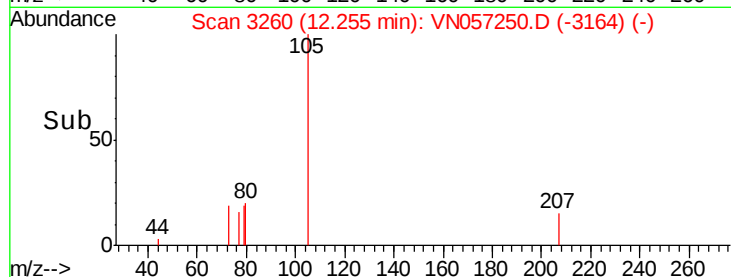
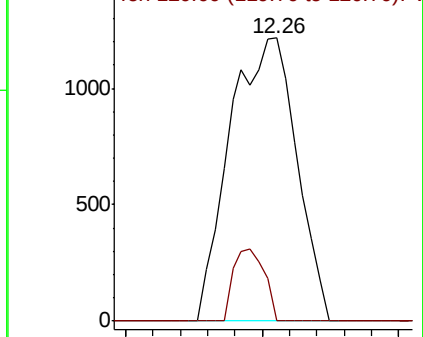
105 100

120 11.9 13.8 41.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Tgt Ion: 43 Resp: 1804

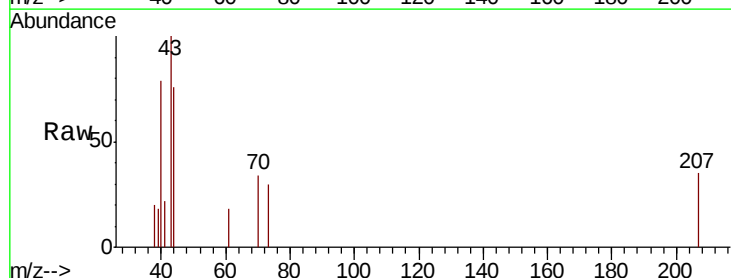
Ion Ratio Lower Upper

43 100

70 23.5 37.4 56.2#

55 19.1 21.0 31.4#

61 1.7 20.9 31.3#

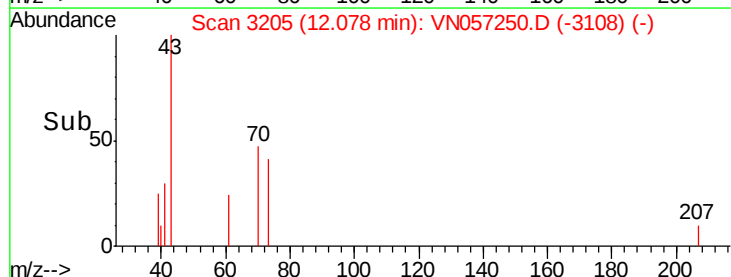
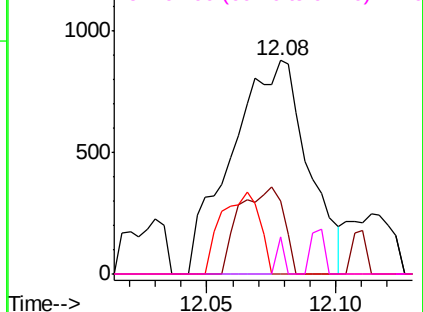


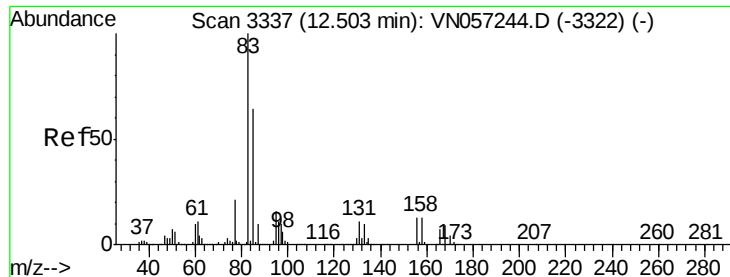
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0813WBL01

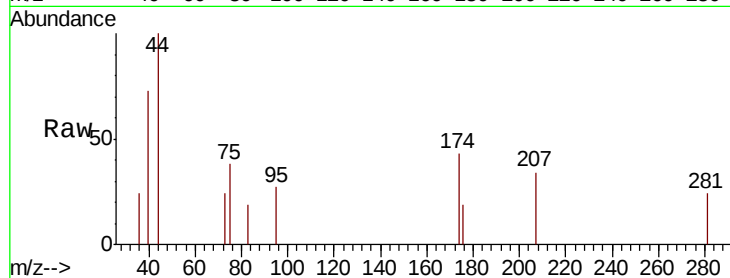
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

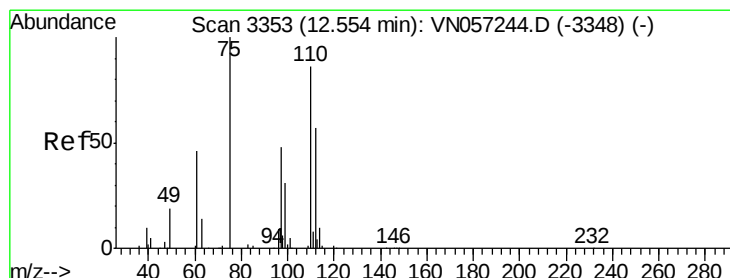
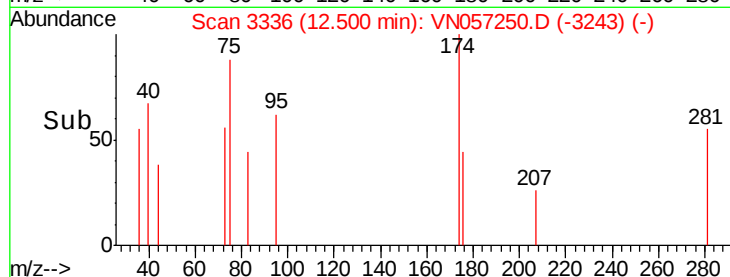
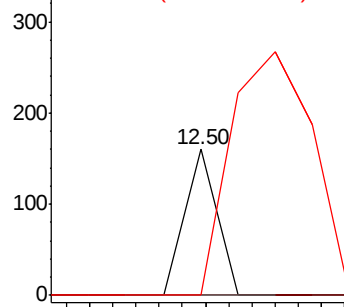
85 419.4 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 39.015 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057250.D

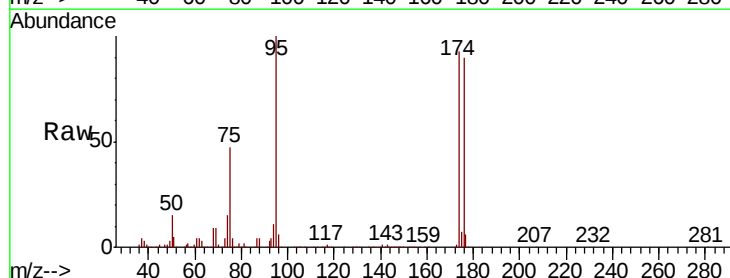
Acq: 13 Aug 2019 16:58

Tgt Ion: 75 Resp: 280993

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

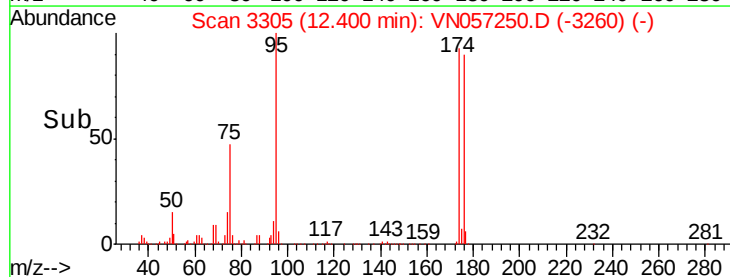
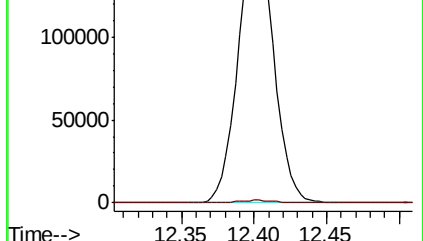
200000

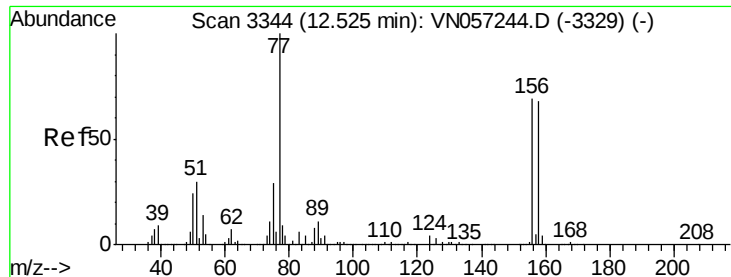
150000

100000

50000

0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN057250.D

Acq: 13 Aug 2019 16:58

Instrument :

MSVOA\_N

ClientSampled :

VN0813WBL01

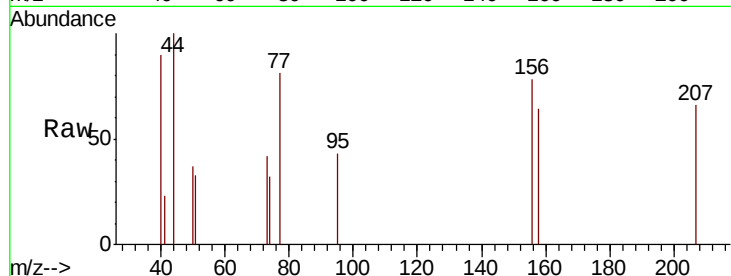
Tgt Ion: 156 Resp: 945

Ion Ratio Lower Upper

156 100

77 114.1 88.0 264.1

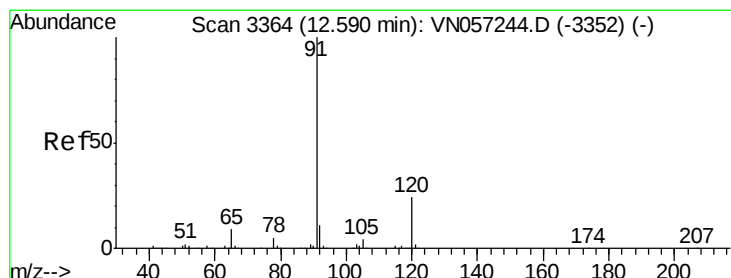
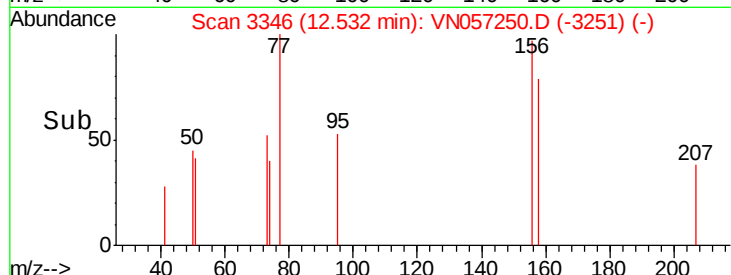
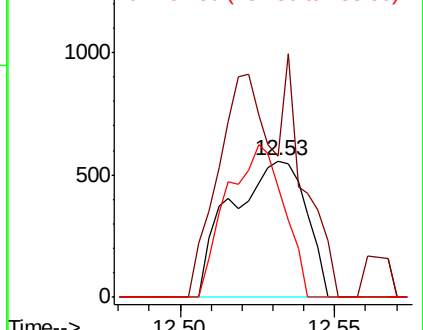
158 84.4 49.4 148.0



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



#78

n-propylbenzene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057250.D

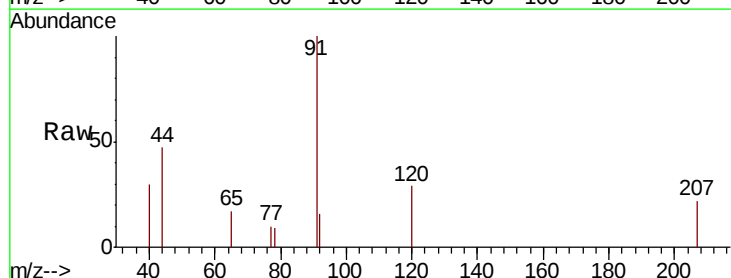
Acq: 13 Aug 2019 16:58

Tgt Ion: 91 Resp: 3197

Ion Ratio Lower Upper

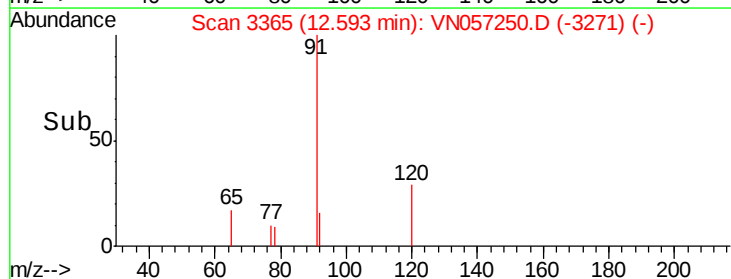
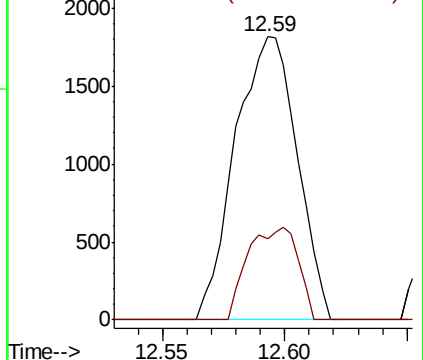
91 100

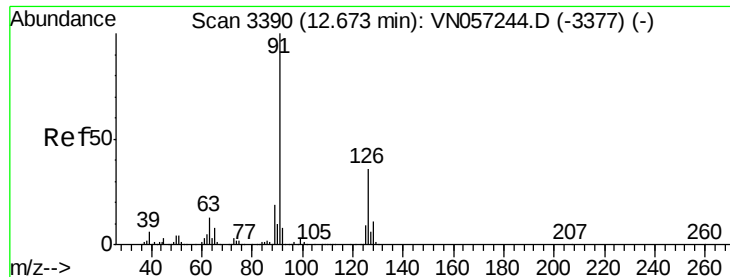
120 26.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

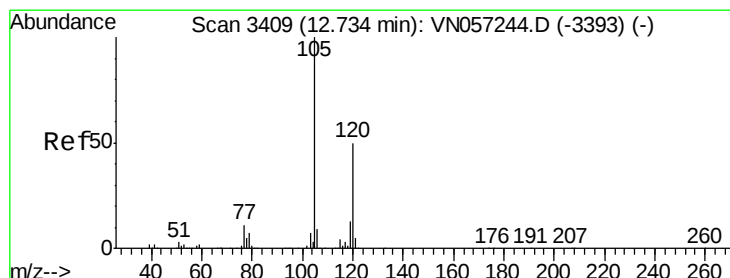
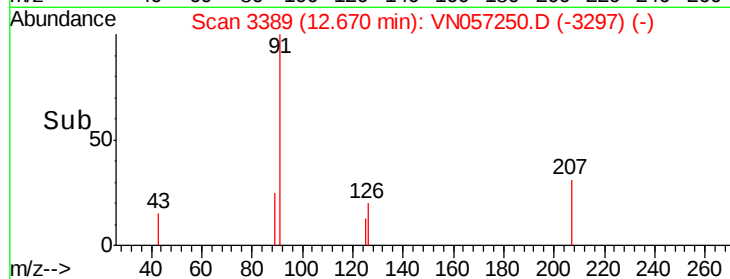
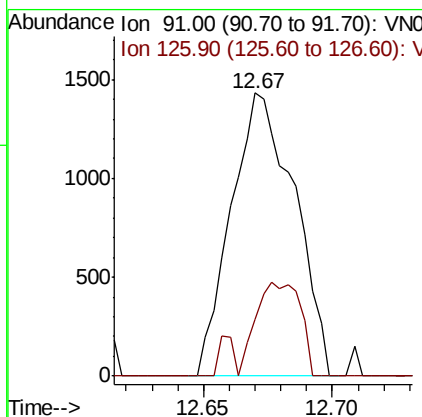
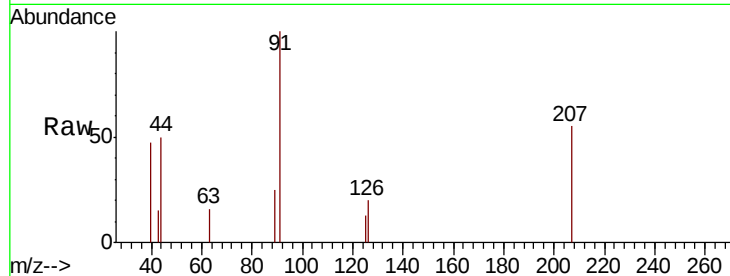




#79  
 2-Chlorotoluene  
 Concen: Below Cal  
 RT: 12.67 min Scan# 3389  
 Delta R.T. -0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

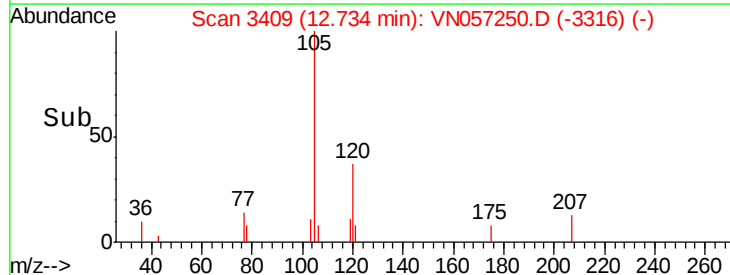
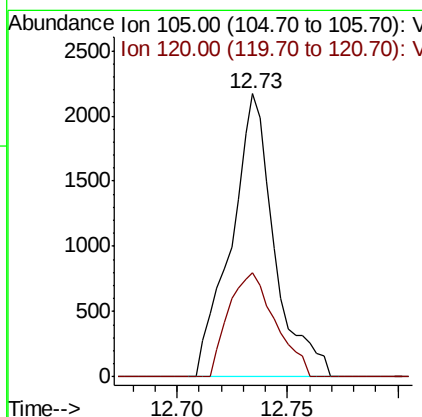
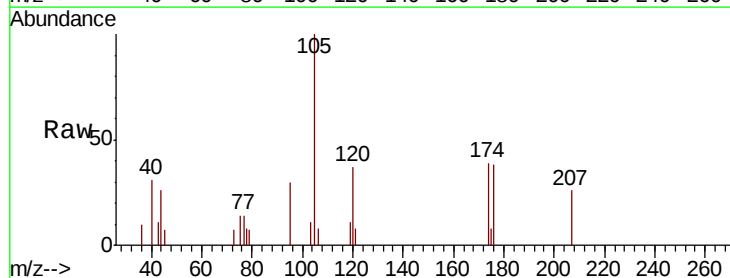
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

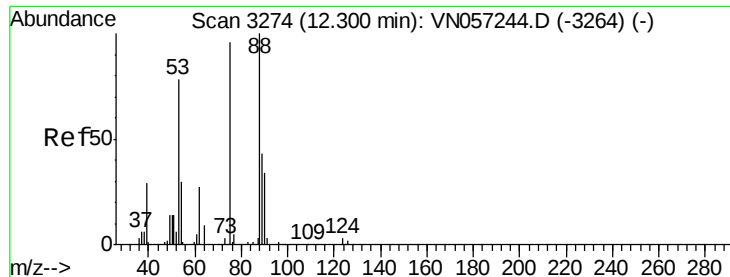
Tgt Ion: 91 Resp: 2455  
 Ion Ratio Lower Upper  
 91 100  
 126 23.3 18.0 54.0



#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

Tgt Ion: 105 Resp: 2958  
 Ion Ratio Lower Upper  
 105 100  
 120 39.7 25.3 75.8

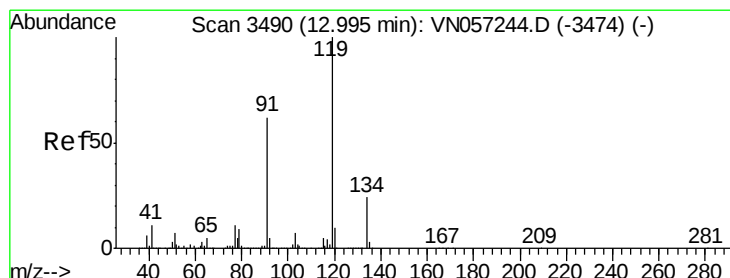
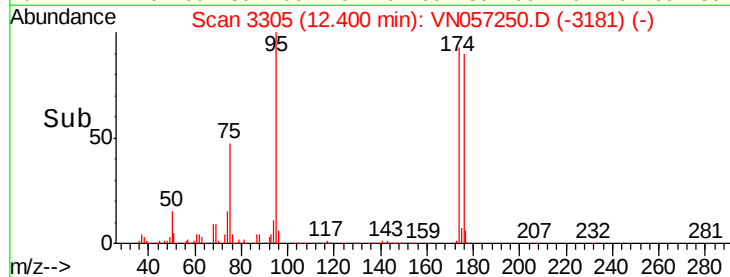
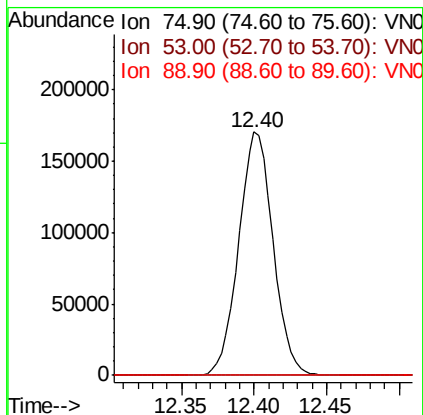
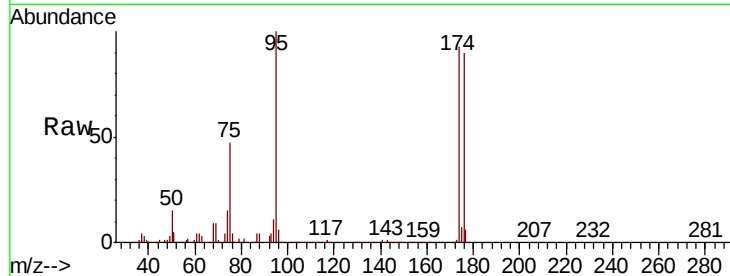




#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.558 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.10 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

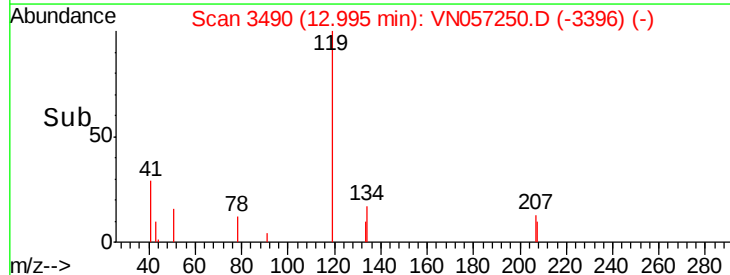
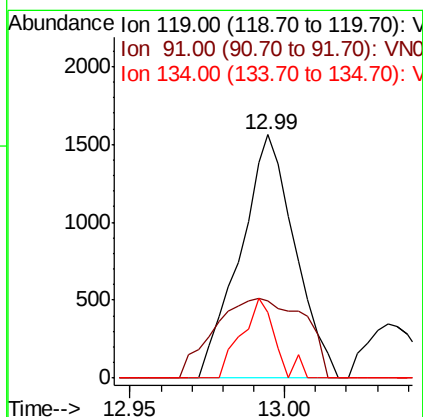
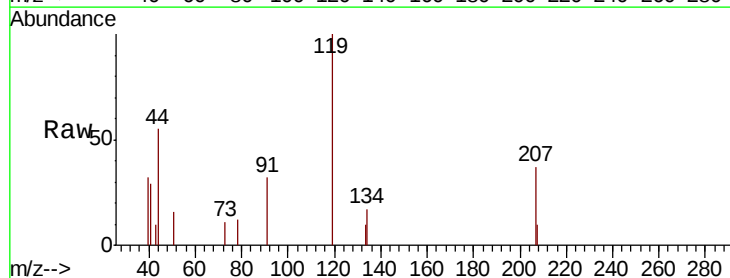
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0813WBL01

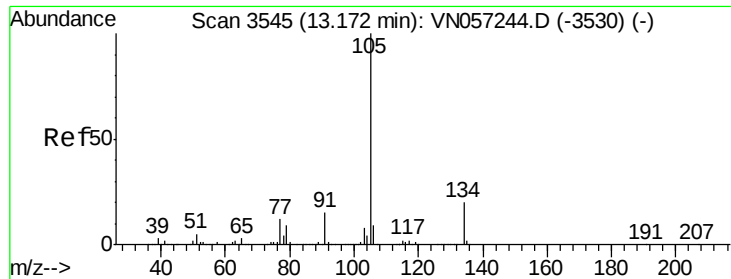
Tgt Ion: 75 Resp: 280993  
Ion Ratio Lower Upper  
75 100  
53 0.0 65.8 98.6#  
89 0.0 36.7 55.1#



#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

Tgt Ion: 119 Resp: 1928  
Ion Ratio Lower Upper  
119 100  
91 53.4 30.8 92.3  
134 20.5 12.9 38.7

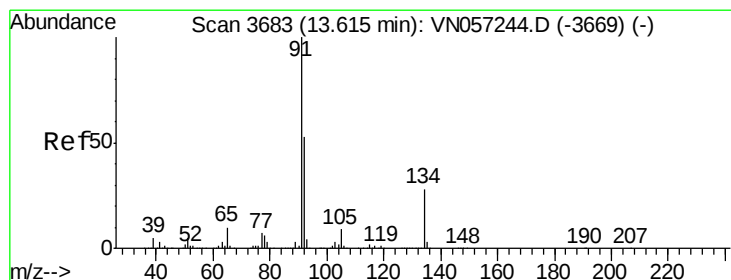
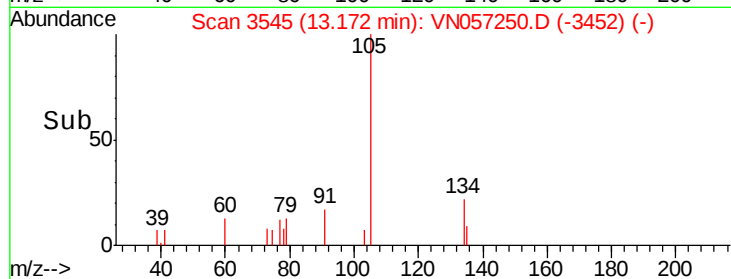
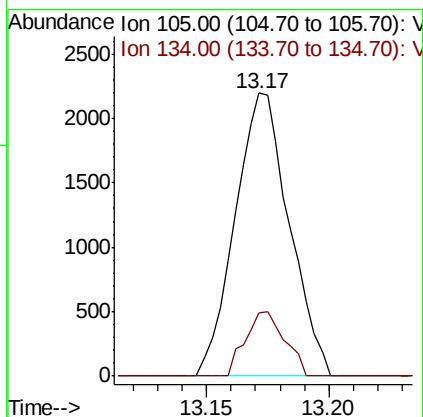
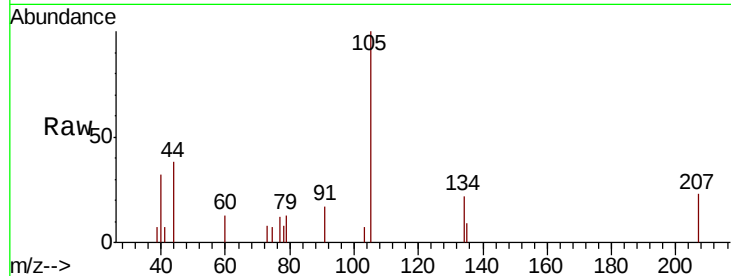




#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

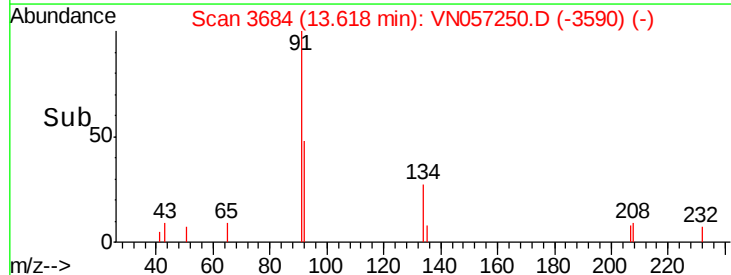
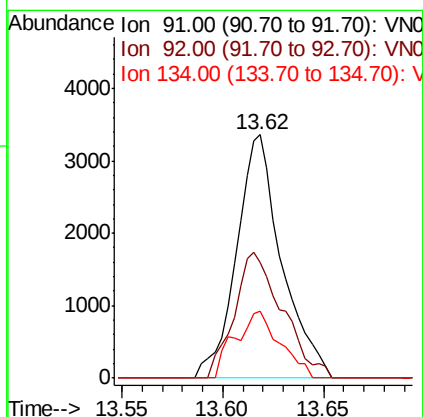
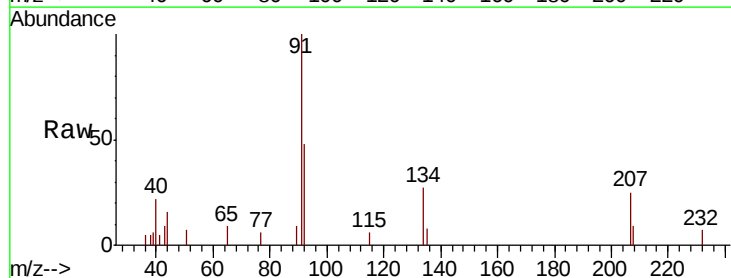
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

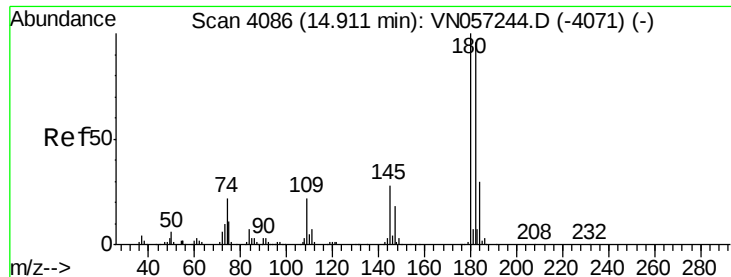
Tgt Ion: 105 Resp: 3363  
 Ion Ratio Lower Upper  
 105 100  
 134 16.5 10.4 31.2



#89  
 n-Butylbenzene  
 Concen: 0.252 ug/l  
 RT: 13.62 min Scan# 3684  
 Delta R.T. 0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

Tgt Ion: 91 Resp: 5253  
 Ion Ratio Lower Upper  
 91 100  
 92 55.1 26.3 78.9  
 134 27.3 14.1 42.3

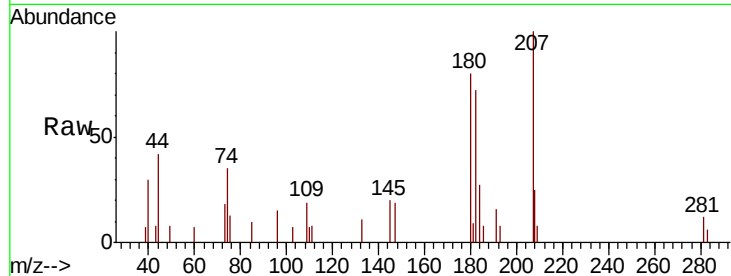




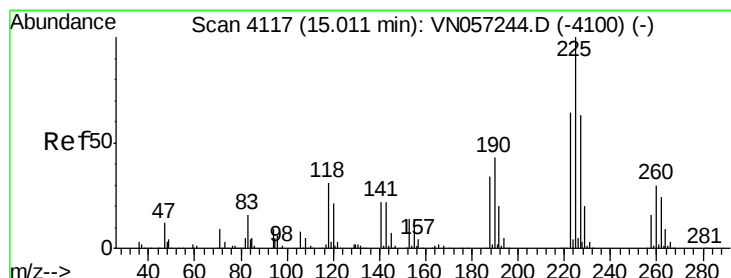
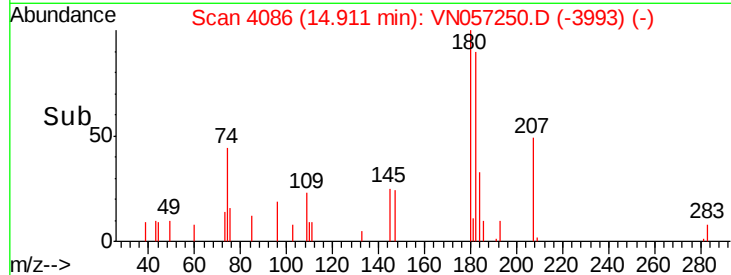
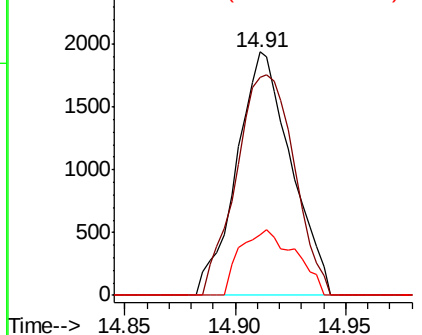
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.833 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0813WBL01

Tgt Ion:180 Resp: 3333  
 Ion Ratio Lower Upper  
 180 100  
 182 96.4 47.7 143.1  
 145 27.2 14.2 42.6

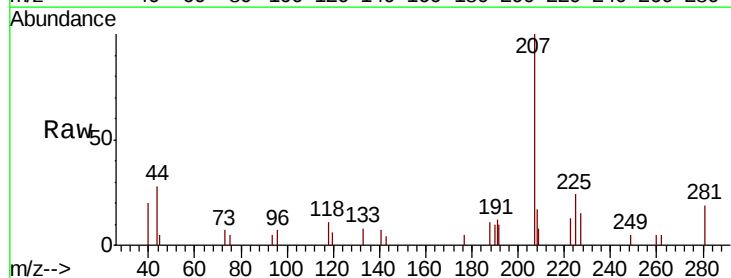


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

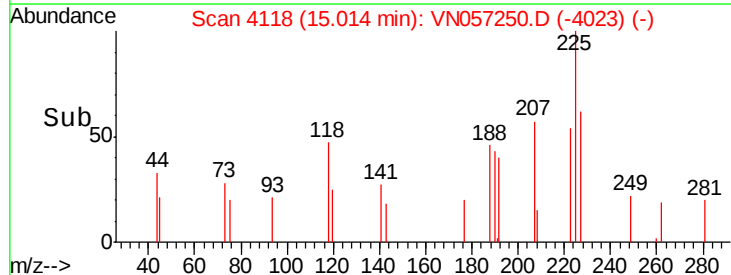
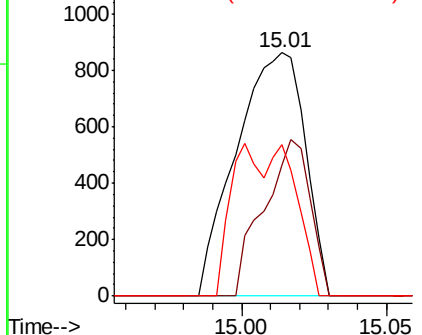


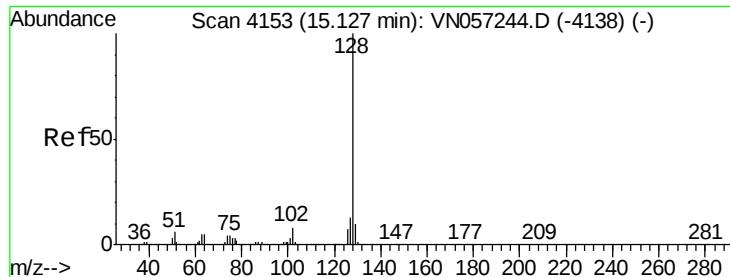
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN057250.D  
 Acq: 13 Aug 2019 16:58

Tgt Ion:225 Resp: 1421  
 Ion Ratio Lower Upper  
 225 100  
 223 43.6 31.4 94.2  
 227 29.6 31.4 94.3#



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

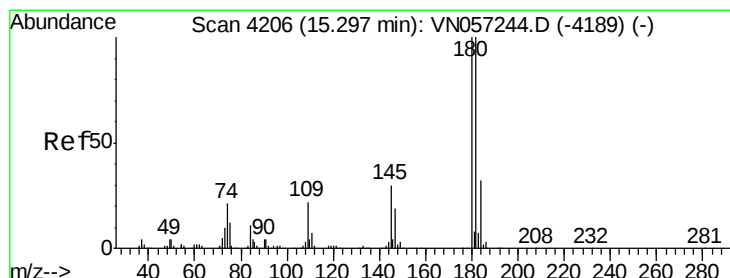
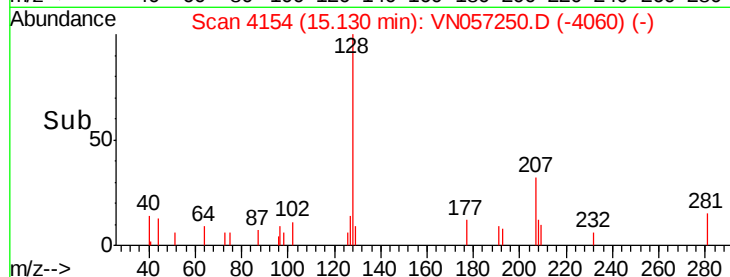
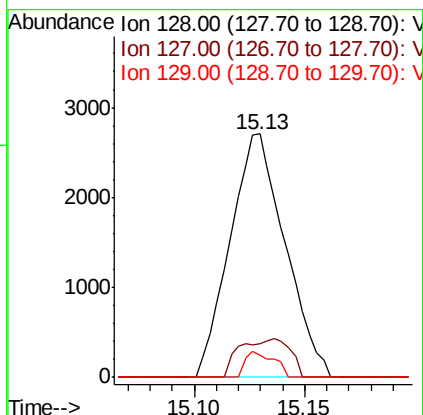
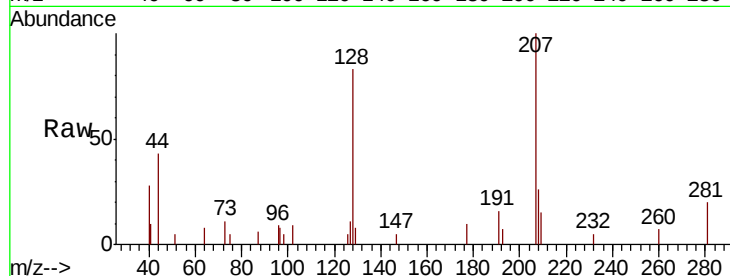




#95  
Naphthalene  
Concen: 0.661 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0813WBL01

Tgt Ion:128 Resp: 4673  
Ion Ratio Lower Upper  
128 100  
127 14.5 10.4 15.6  
129 5.5 8.5 12.7#



#96  
1,2,3-Trichlorobenzene  
Concen: 4.965 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. 0.00 min  
Lab File: VN057250.D  
Acq: 13 Aug 2019 16:58

Tgt Ion:180 Resp: 3800  
Ion Ratio Lower Upper  
180 100  
182 102.2 48.9 146.7  
145 28.6 15.0 45.1

