

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\  
 Data File : VN059907.D  
 Acq On : 29 Jan 2020 13:13  
 Operator : JC/MD  
 Sample : L1287-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jan 30 00:01:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 218827   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 328686   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 295997   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 130163   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 113771   | 46.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.64%  |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 98959    | 50.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.98% |      |
| 50) Toluene-d8            | 10.08  | 98  | 389989   | 51.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.70% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 131648   | 48.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.18%  |      |

## Target Compounds

|                                |       |     |       |        |        | Qvalue |
|--------------------------------|-------|-----|-------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.71  | 59  | 366   | 0.895  | ug/l # | 72     |
| 16) Acetone                    | 3.79  | 43  | 13683 | 6.769  | ug/l   | 98     |
| 17) Carbon Disulfide           | 4.04  | 76  | 1521  | 0.267  | ug/l # | 75     |
| 18) Methyl Acetate             | 4.30  | 43  | 2166  | 0.763  | ug/l # | 75     |
| 20) Methylene Chloride         | 4.52  | 84  | 7160  | 2.015  | ug/l # | 85     |
| 25) 2-Butanone                 | 6.81  | 43  | 3759  | 2.732  | ug/l   | 95     |
| 31) Cyclohexane                | 7.64  | 56  | 4171  | 1.160  | ug/l # | 2      |
| 36) 1,1-Dichloropropene        | 7.64  | 75  | 14797 | 5.170  | ug/l # | 52     |
| 37) Ethyl Acetate              | 6.81  | 43  | 3759  | 1.400  | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 7.64  | 117 | 20301 | 6.520  | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.14  | 43  | 42584 | 9.222  | ug/l # | 91     |
| 45) 1,2-Dichloropropane        | 9.25  | 63  | 866   | 0.410  | ug/l # | 44     |
| 48) Methyl methacrylate        | 9.16  | 41  | 2081  | 1.008  | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43  | 3414  | 1.279  | ug/l   | 89     |
| 54) cis-1,3-Dichloropropene    | 9.89  | 75  | 20223 | 5.733  | ug/l # | 58     |
| 57) 1,3-Dichloropropane        | 10.75 | 76  | 3537  | 1.043  | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.75 | 43  | 42037 | 21.377 | ug/l # | 54     |
| 65) Chlorobenzene              | 11.43 | 112 | 5052  | 0.868  | ug/l   | 97     |
| 67) Ethyl Benzene              | 11.51 | 91  | 17981 | 1.703  | ug/l   | 91     |
| 68) m/p-Xylenes                | 11.62 | 106 | 1405  | 0.352  | ug/l   | 94     |
| 69) o-Xylene                   | 11.94 | 106 | 2636  | 0.675  | ug/l   | 97     |
| 73) Isopropylbenzene           | 12.25 | 105 | 9169  | 0.960  | ug/l   | 96     |
| 74) N-amyl acetate             | 12.03 | 43  | 2440  | 0.659  | ug/l # | 45     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 67072 | 30.619 | ug/l # | 100    |
| 78) n-propylbenzene            | 12.59 | 91  | 2254  | 0.210  | ug/l   | 91     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 4401  | 0.548  | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 67072 | 65.755 | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 19786 | 2.491  | ug/l   | 98     |
| 85) sec-Butylbenzene           | 13.04 | 105 | 19786 | 2.169  | ug/l # | 57     |
| 86) p-Isopropyltoluene         | 13.28 | 119 | 2284  | 0.271  | ug/l # | 70     |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146 | 1146  | 0.274  | ug/l # | 1      |
| 89) n-Butylbenzene             | 13.54 | 91  | 44365 | 6.164  | ug/l # | 43     |
| 90) Hexachloroethane           | 13.88 | 117 | 1113  | 0.705  | ug/l # | 12     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146 | 900   | 0.217  | ug/l   | 84     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\  
Data File : VN059907.D  
Acq On : 29 Jan 2020 13:13  
Operator : JC/MD  
Sample : L1287-05  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

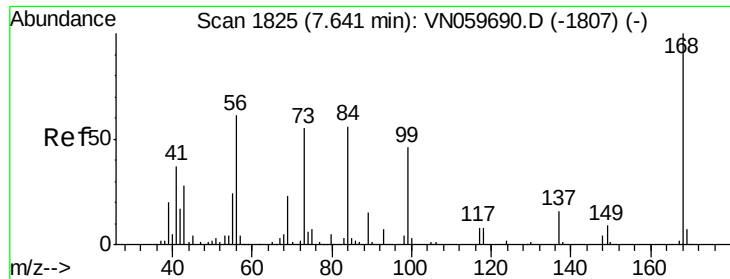
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jan 30 00:01:31 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 30       | Below Cal | #     | 6        |
| 95) Naphthalene                | 15.13 | 128  | 930031   | 131.078   | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

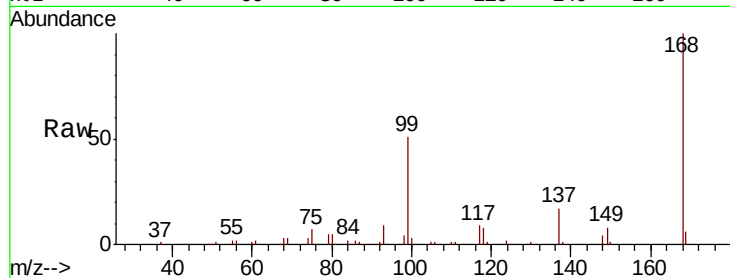
ClientSampleId :

Tot Ion:168 Resp: 218827

Ion Ratio Lower Upper

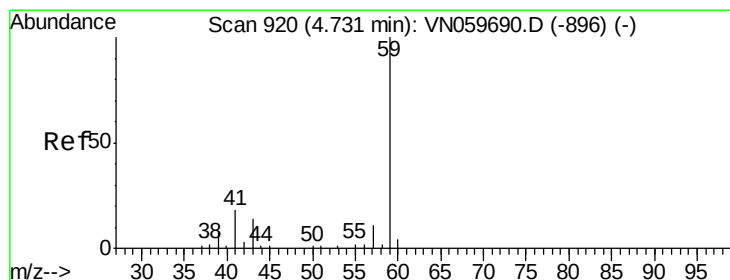
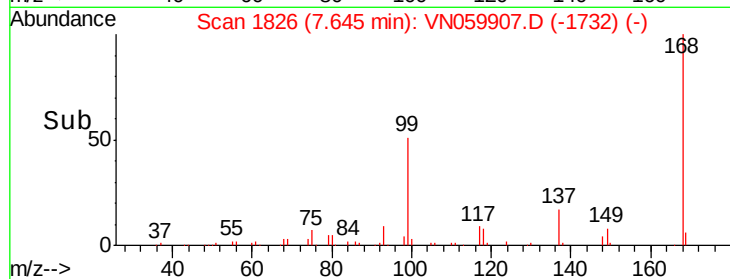
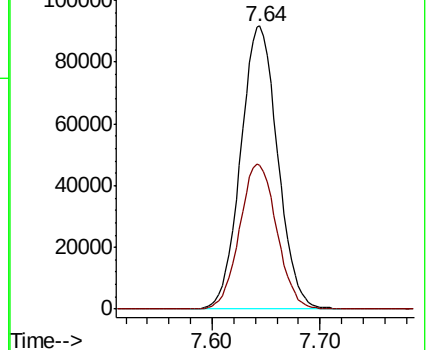
168 100

99 50.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.895 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN059907.D

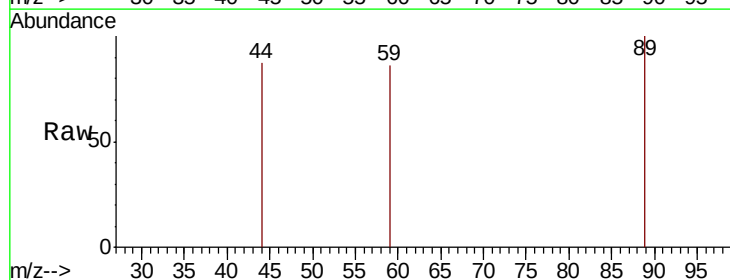
Acq: 29 Jan 2020 13:13

Tgt Ion: 59 Resp: 366

Ion Ratio Lower Upper

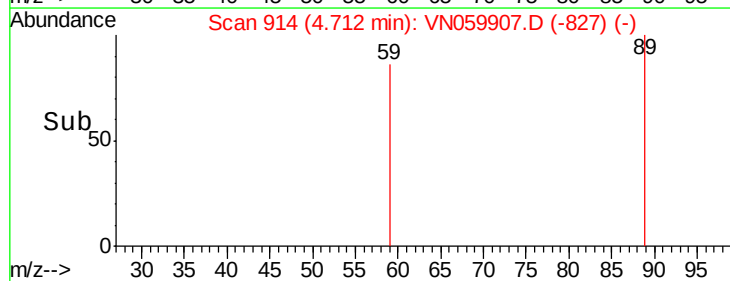
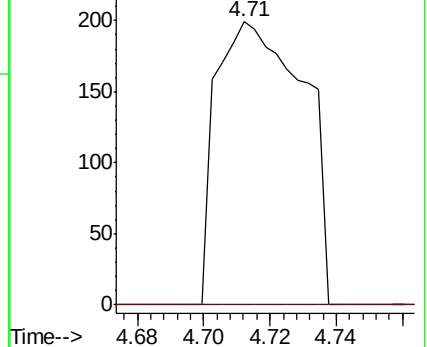
59 100

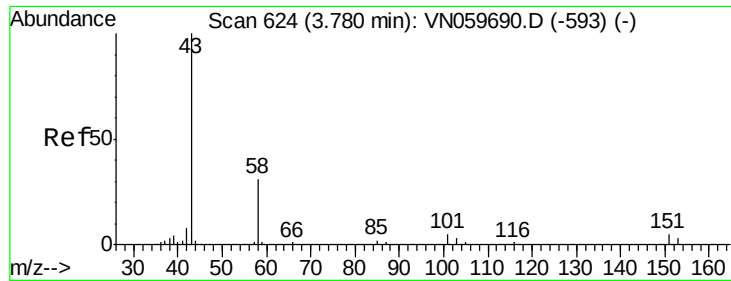
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 6.769 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

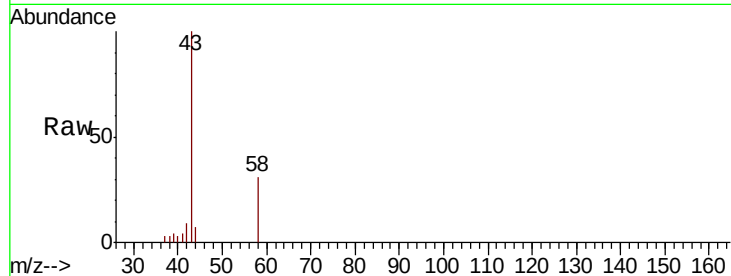
ClientSampled :

Tot Ion: 43 Resp: 13683

Ion Ratio Lower Upper

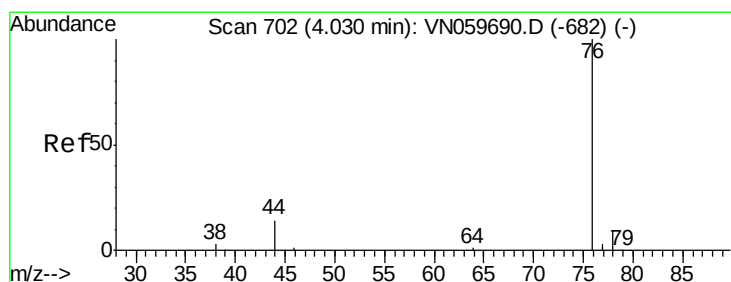
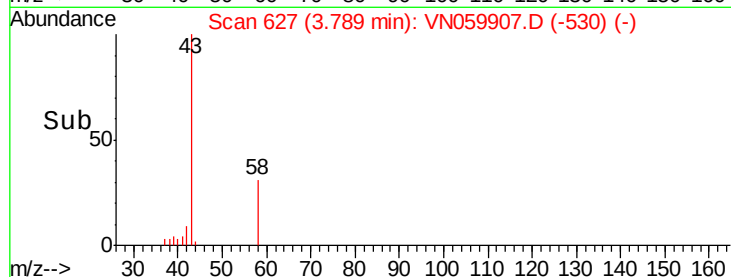
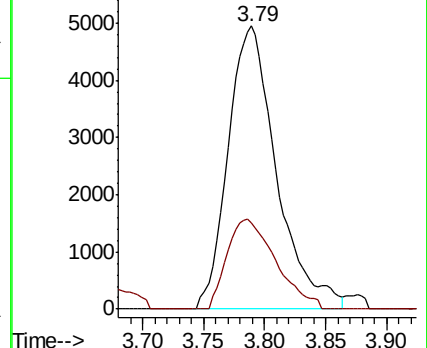
43 100

58 30.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059907.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059907.D (-593) (-)



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VN059907.D

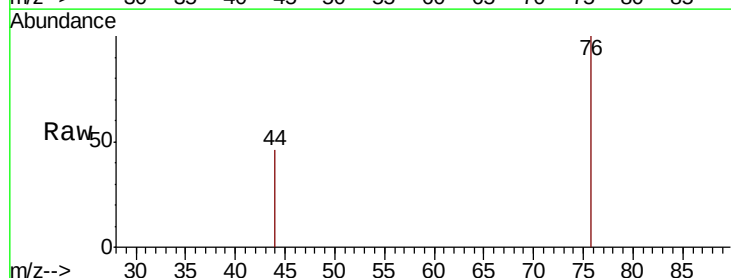
Acq: 29 Jan 2020 13:13

Tgt Ion: 76 Resp: 1521

Ion Ratio Lower Upper

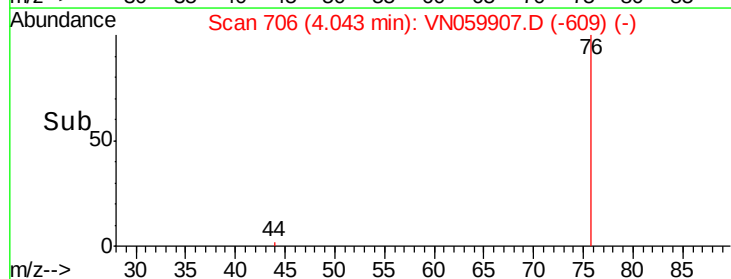
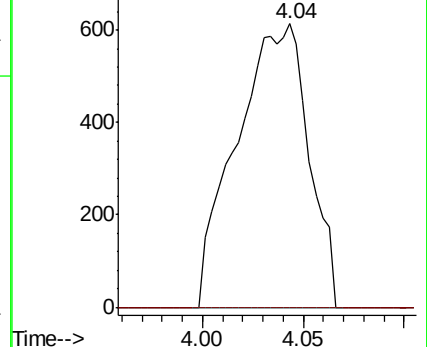
76 100

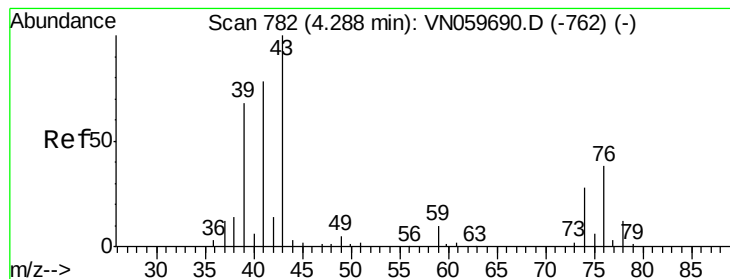
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN059907.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN059907.D (-609) (-)





#18

Methvl Acetate

Concen: 0.763 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

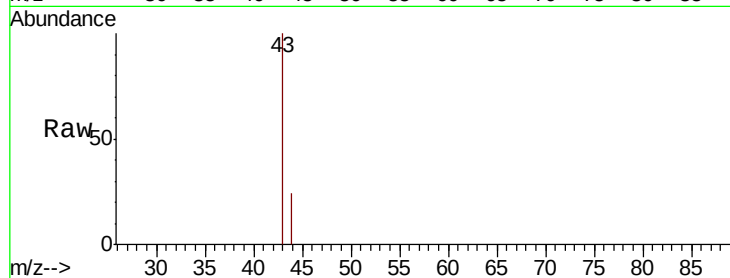
ClientSampleId :

Tot Ion: 43 Resp: 2166

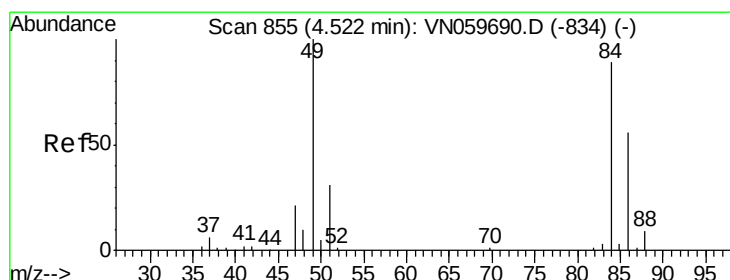
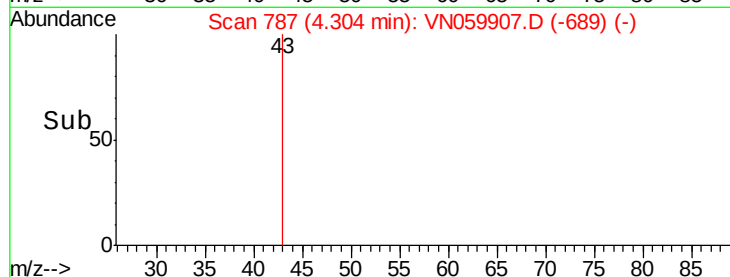
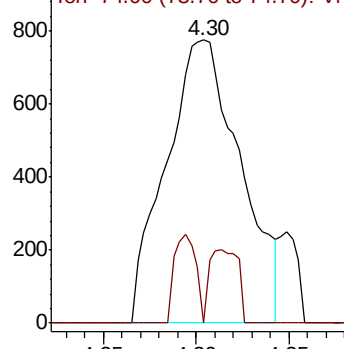
Ion Ratio Lower Upper

43 100

74 10.1 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059907.D (-762) (-)



#20

Methylene Chloride

Concen: 2.015 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Tgt Ion: 84 Resp: 7160

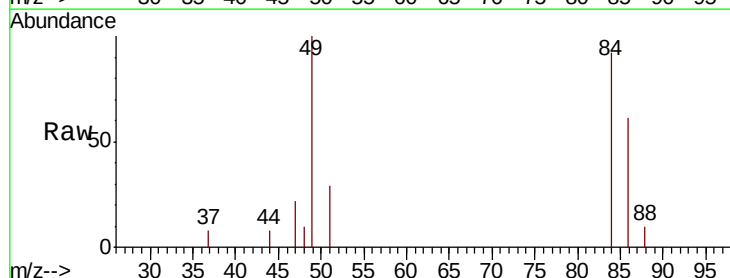
Ion Ratio Lower Upper

84 100

49 108.6 106.6 160.0

51 31.2 31.9 47.9#

86 65.7 50.8 76.2

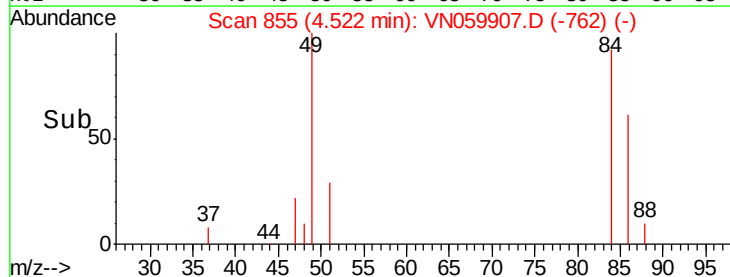
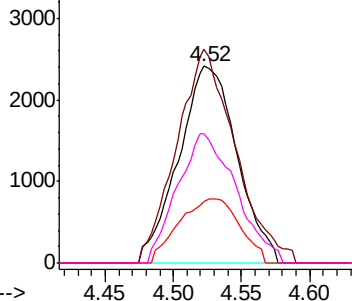


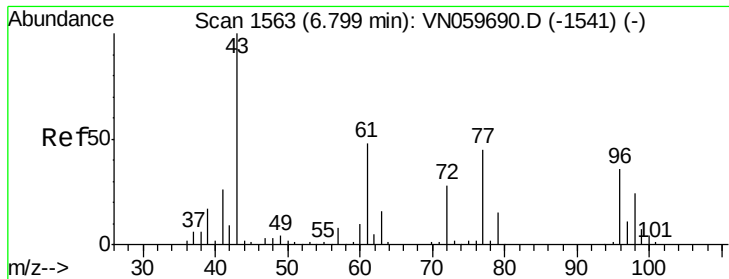
Abundance Ion 83.90 (83.60 to 84.60): VN059907.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN059907.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN059907.D (-834) (-)

Ion 85.90 (85.60 to 86.60): VN059907.D (-834) (-)





#25

2-Butanone

Concen: 2.732 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

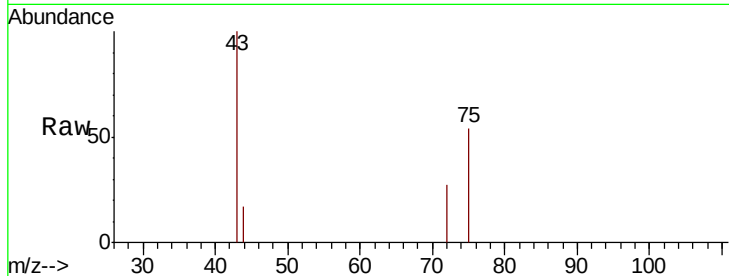
ClientSampled :

Tot Ion: 43 Resp: 3759

Ion Ratio Lower Upper

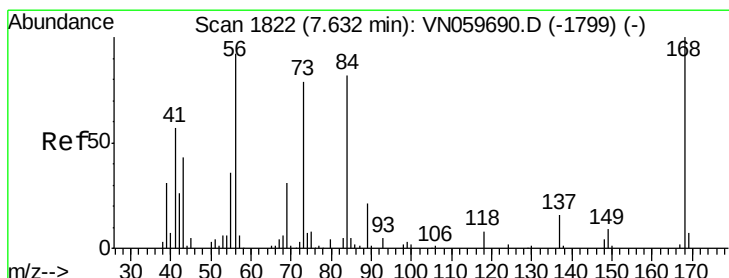
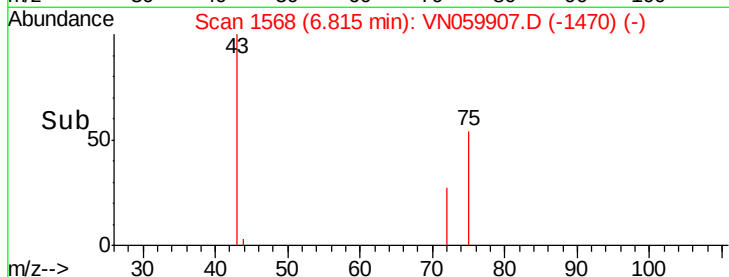
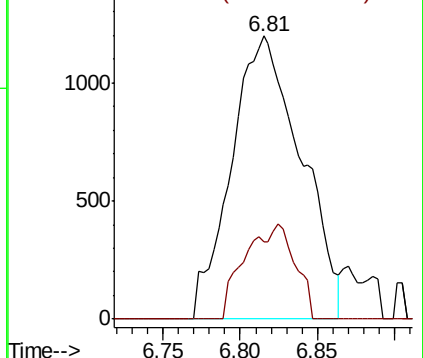
43 100

72 27.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

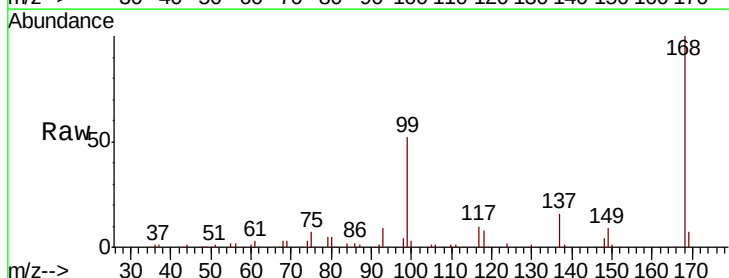
Tgt Ion: 56 Resp: 4171

Ion Ratio Lower Upper

56 100

69 165.6 26.5 39.7#

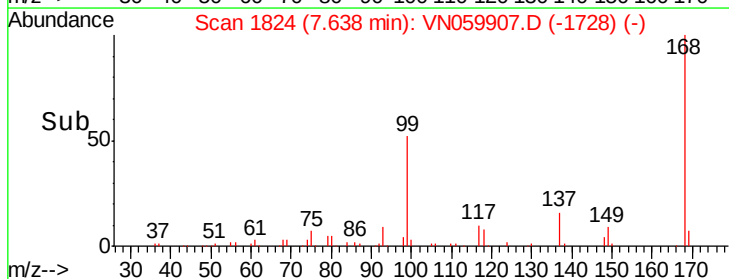
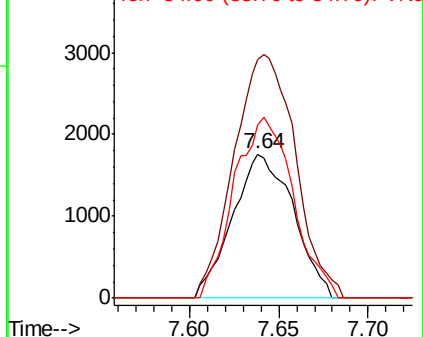
84 119.9 65.3 97.9#

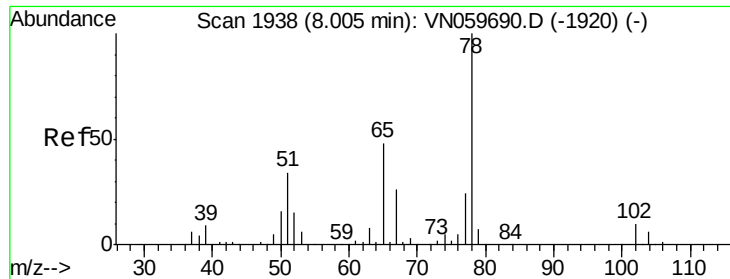


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

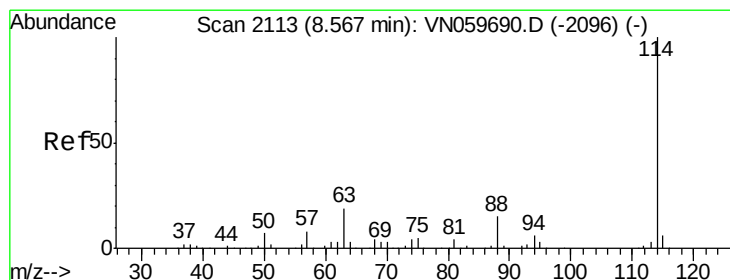
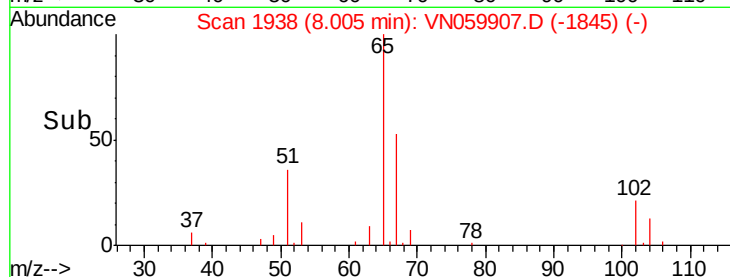
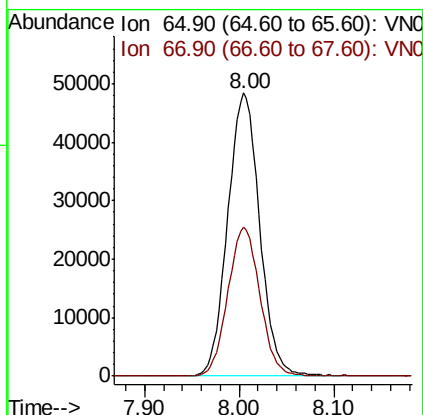
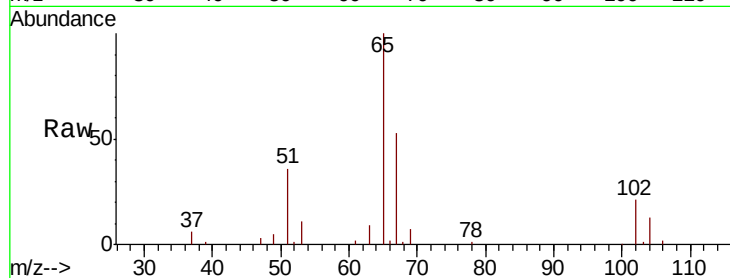




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.817 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

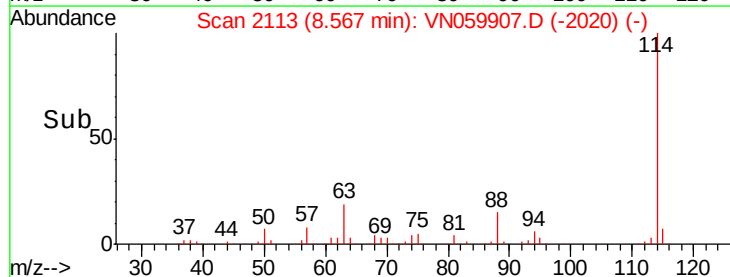
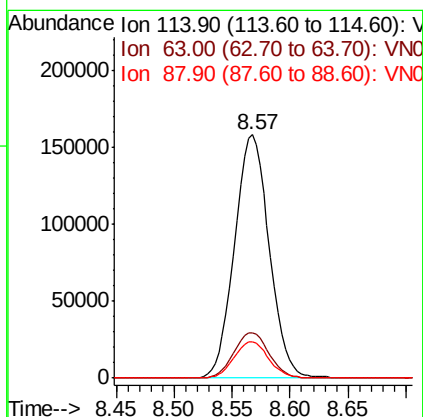
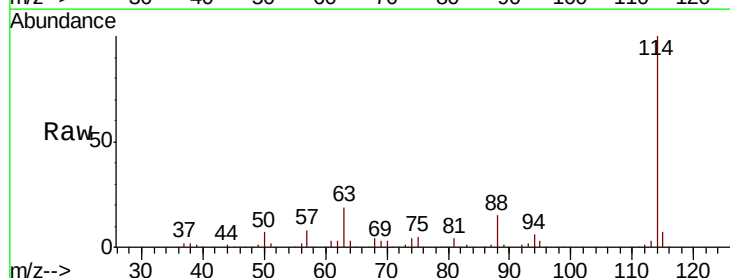
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 65 Resp: 113771  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 103.0

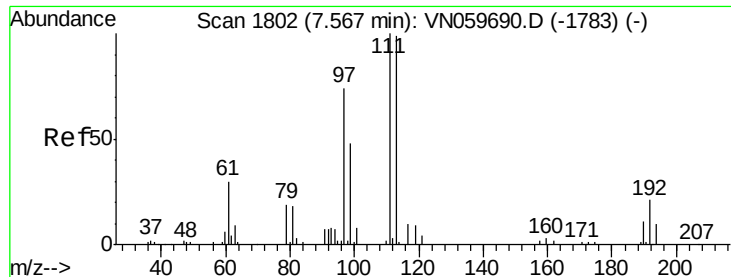


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Tgt Ion: 114 Resp: 328686  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 43.6  
 88 15.1 0.0 31.4



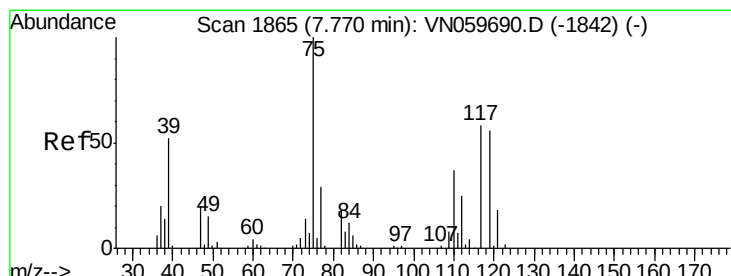
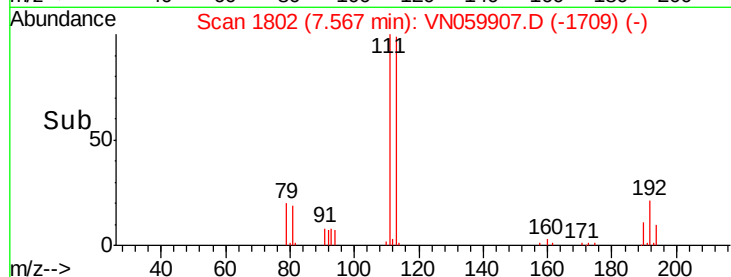
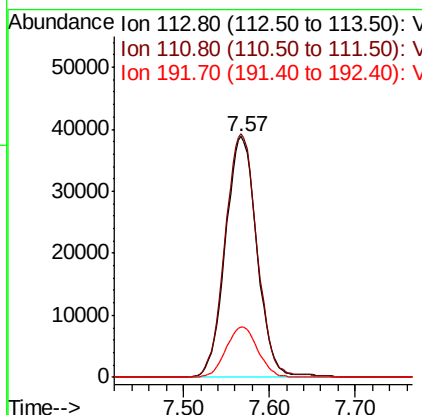
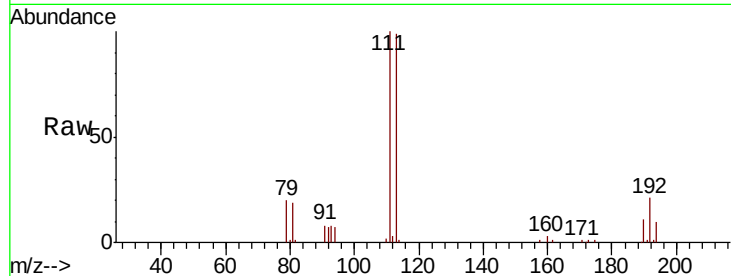




#35  
 Dibromofluoromethane  
 Concen: 50.487 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

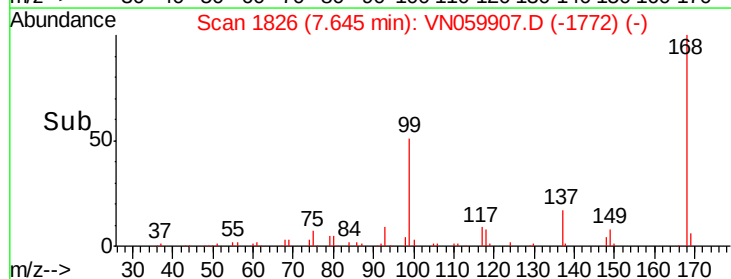
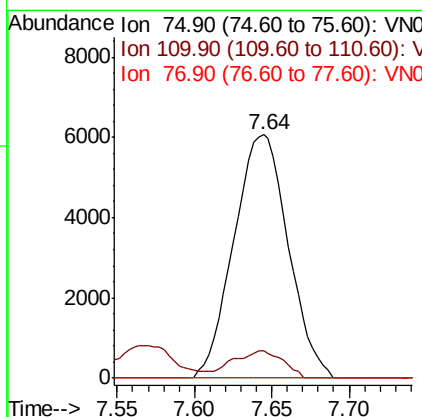
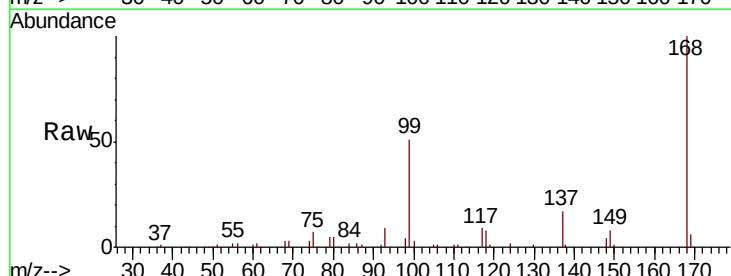
Instrument :  
 MSVOA\_N  
 ClientSampled :

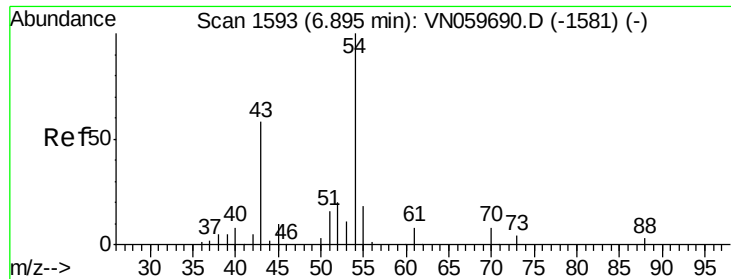
Tot Ion:113 Resp: 98959  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 83.5 125.3  
 192 21.0 15.4 23.2



#36  
 1,1-Dichloropropene  
 Concen: 5.170 ug/l  
 RT: 7.64 min Scan# 1826  
 Delta R.T. -0.13 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Tgt Ion: 75 Resp: 14797  
 Ion Ratio Lower Upper  
 75 100  
 110 10.4 16.6 49.7#  
 77 0.0 25.1 37.7#

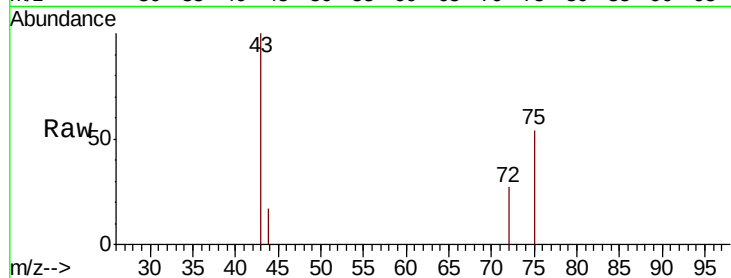




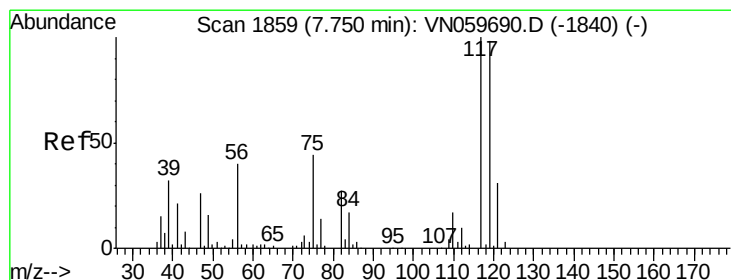
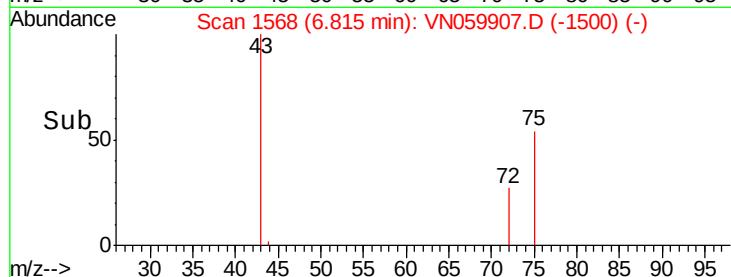
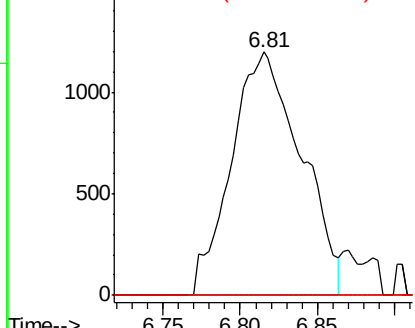
#37  
Ethyl Acetate  
Concen: 1.400 ug/l  
RT: 6.81 min Scan# 1568  
Delta R.T. -0.08 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 43 Resp: 3759  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.9 16.3#  
70 0.0 7.7 11.5#

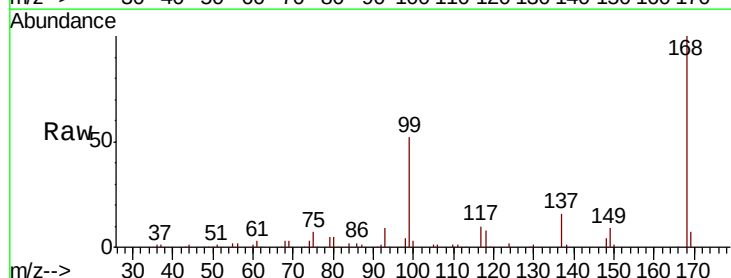


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

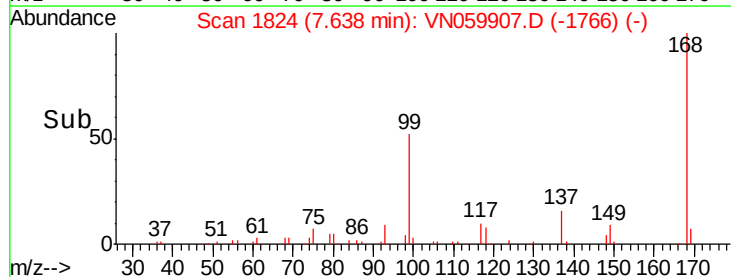
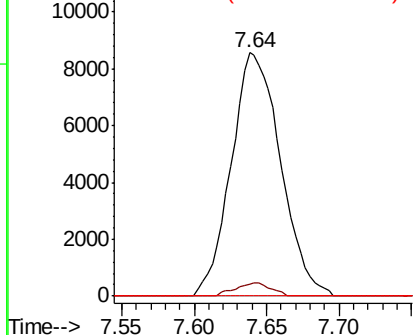


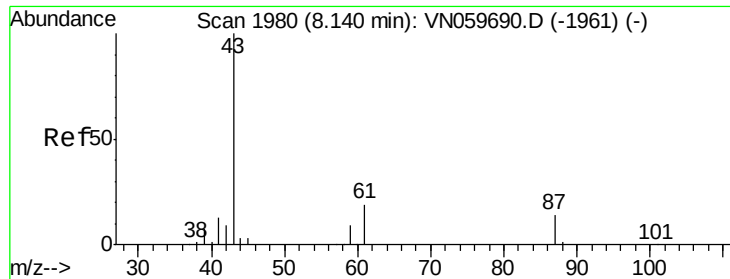
#38  
Carbon Tetrachloride  
Concen: 6.520 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. -0.11 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion: 117 Resp: 20301  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.5 114.7#  
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 9.222 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

ClientSampleId :

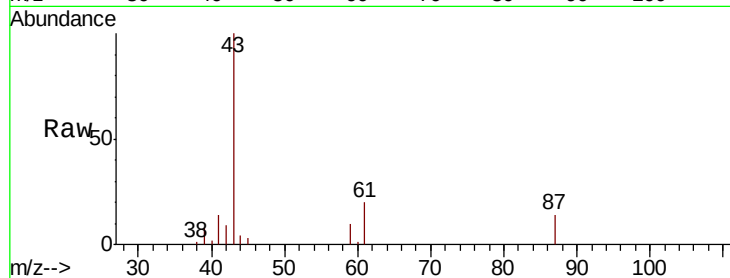
Tot Ion: 43 Resp: 42584

Ion Ratio Lower Upper

43 100

61 20.2 20.2 30.2

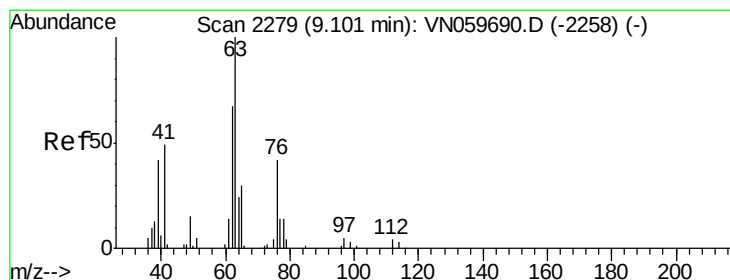
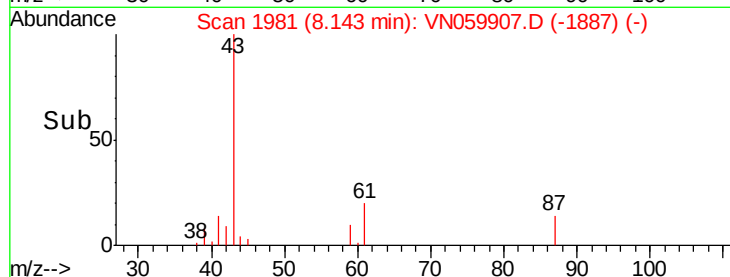
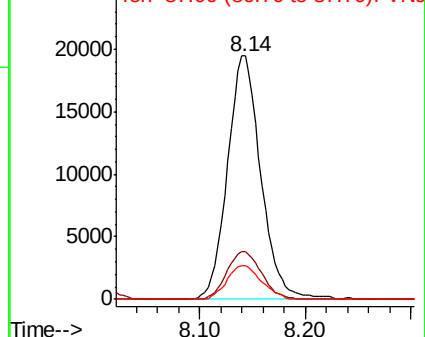
87 14.4 9.5 14.3#



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



#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059907.D

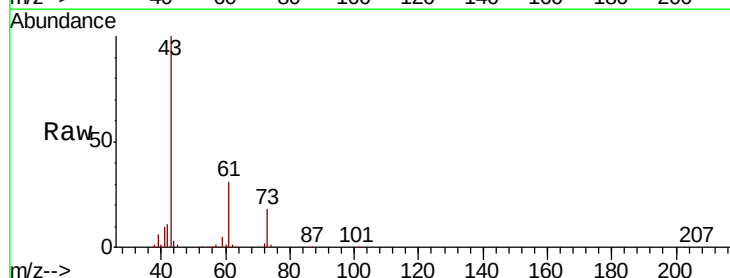
Acq: 29 Jan 2020 13:13

Tgt Ion: 63 Resp: 866

Ion Ratio Lower Upper

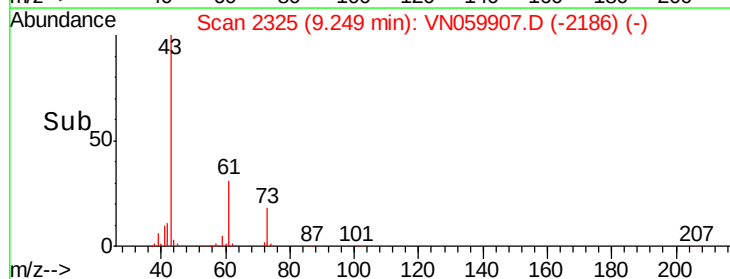
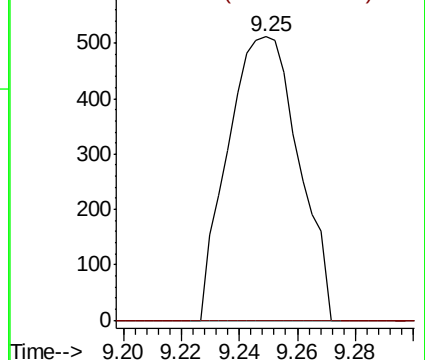
63 100

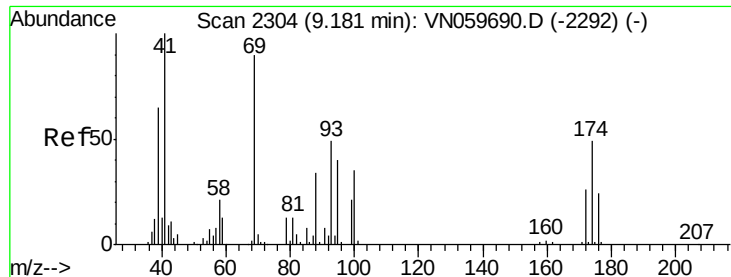
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

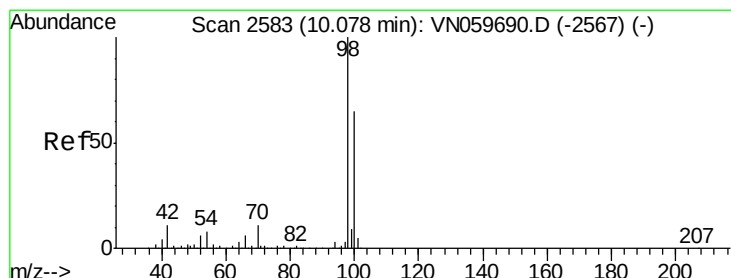
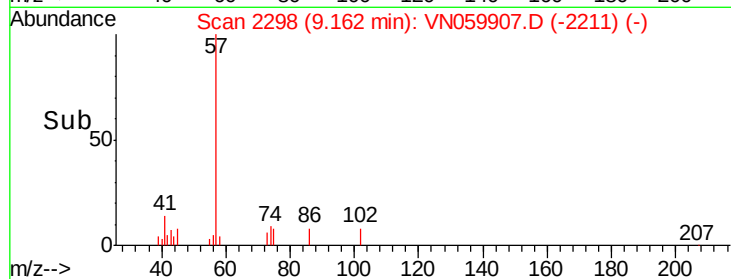
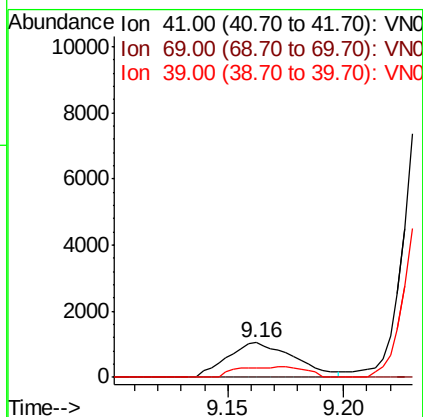
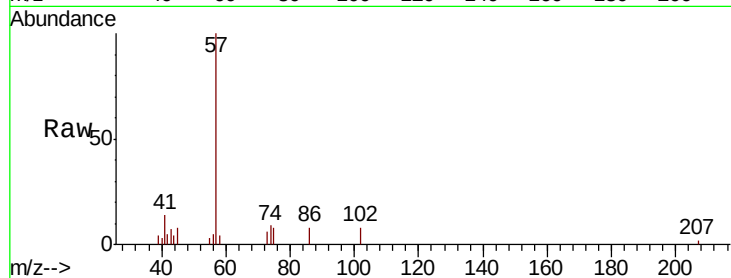




#48  
Methvl methacrylate  
Concen: 1.008 ug/l  
RT: 9.16 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

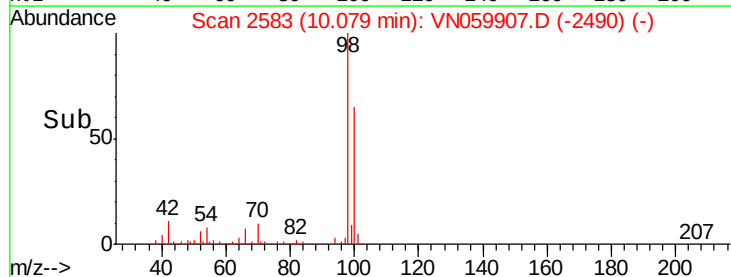
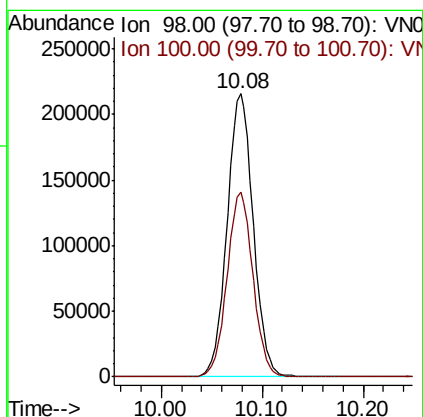
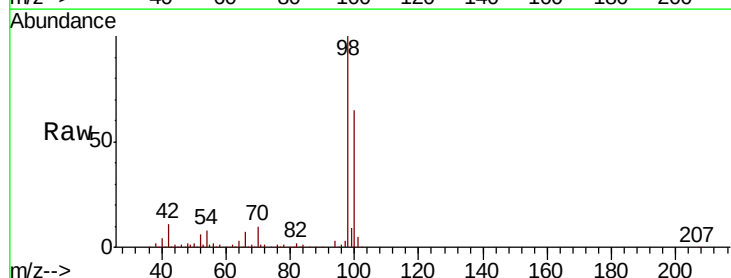
Instrument :  
MSVOA\_N  
ClientSampleId :

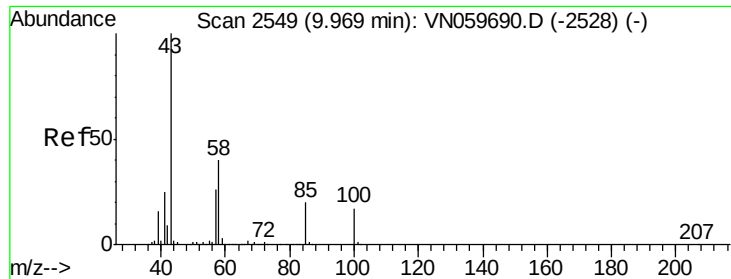
Tot Ion: 41 Resp: 2081  
Ion Ratio Lower Upper  
41 100  
69 0.0 64.4 96.6#  
39 0.0 51.3 76.9#



#50  
Toluene-d8  
Concen: 51.352 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion: 98 Resp: 389989  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.2 76.8

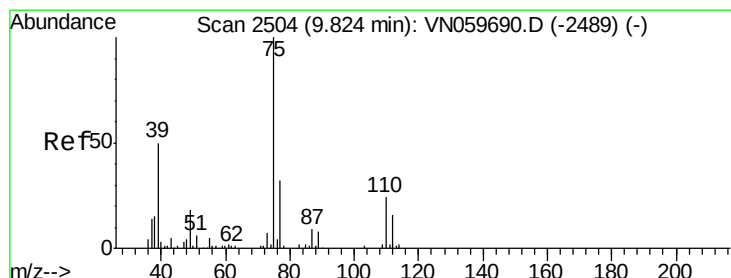
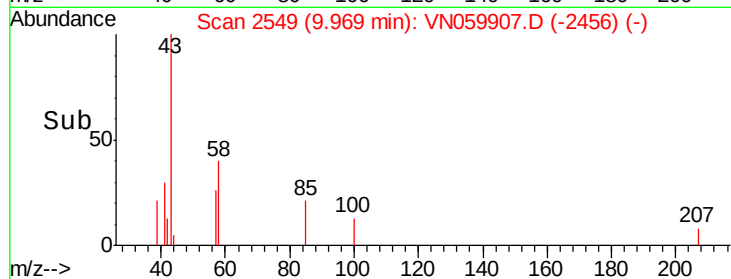
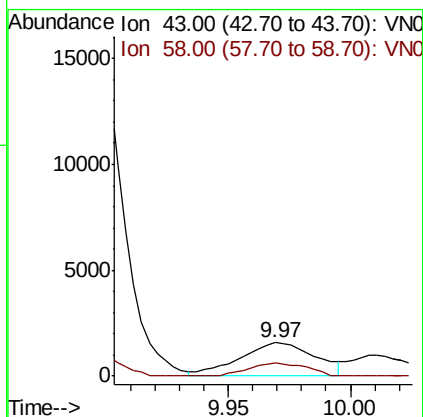
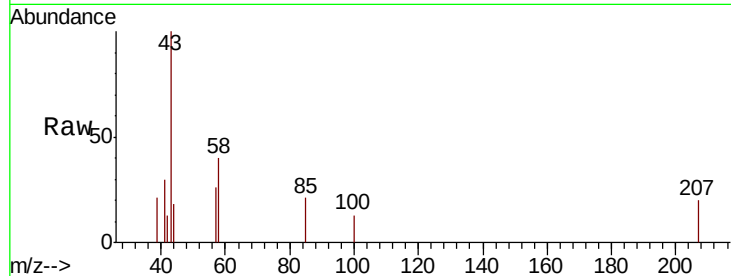




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.279 ug/l  
 RT: 9.97 min Scan# 2549  
 Delta R.T. 0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

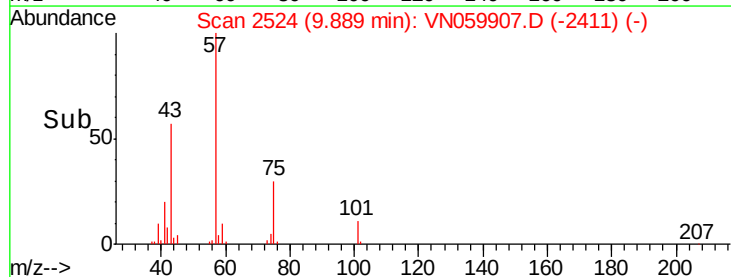
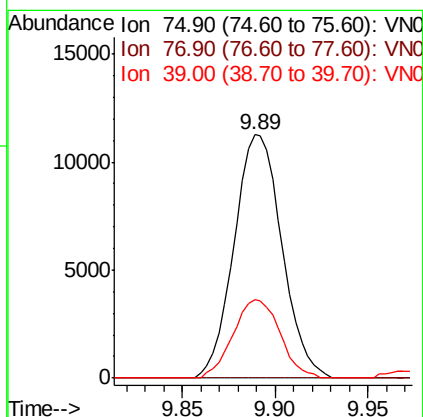
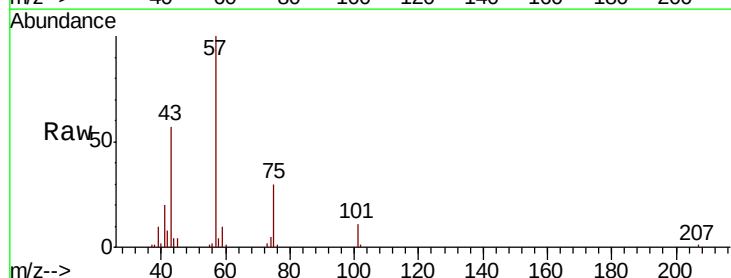
Instrument :  
 MSVOA\_N  
 ClientSampled :

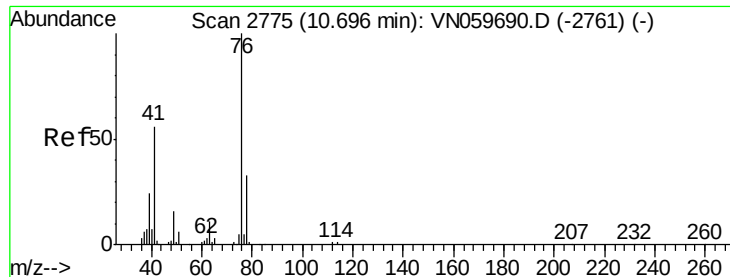
Tot Ion: 43 Resp: 3414  
 Ion Ratio Lower Upper  
 43 100  
 58 30.5 29.8 44.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 5.733 ug/l  
 RT: 9.89 min Scan# 2524  
 Delta R.T. 0.06 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Tgt Ion: 75 Resp: 20223  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.1 37.7#  
 39 32.5 46.1 69.1#

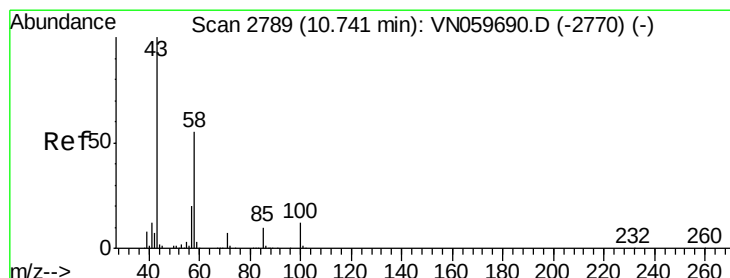
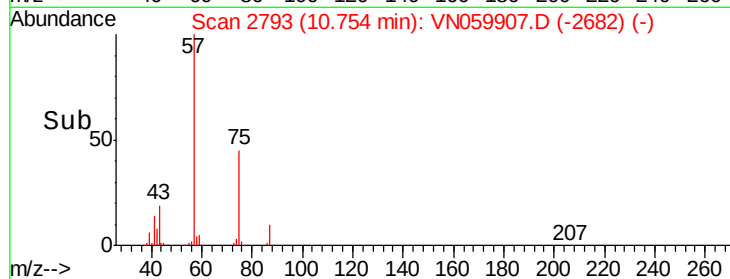
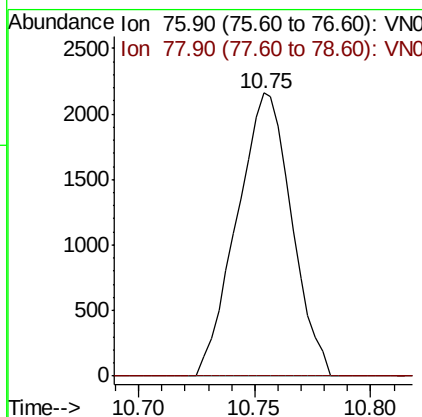
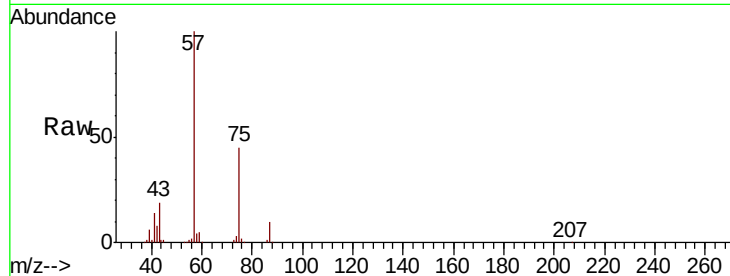




#57  
 1,3-Dichloropropane  
 Concen: 1.043 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.06 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

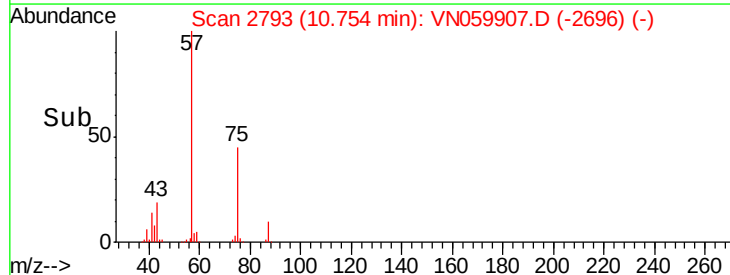
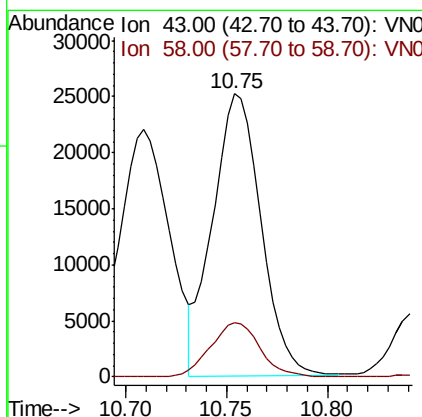
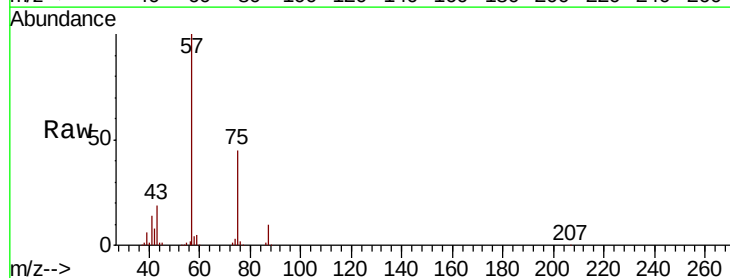
Instrument :  
 MSVOA\_N  
 ClientSampled :

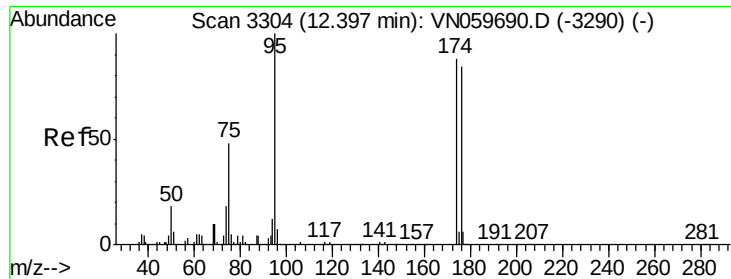
Tot Ion: 76 Resp: 3537  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.8 38.8#



#59  
 2-Hexanone  
 Concen: 21.377 ug/l  
 RT: 10.75 min Scan# 2793  
 Delta R.T. 0.01 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Tgt Ion: 43 Resp: 42037  
 Ion Ratio Lower Upper  
 43 100  
 58 19.6 25.8 77.3#

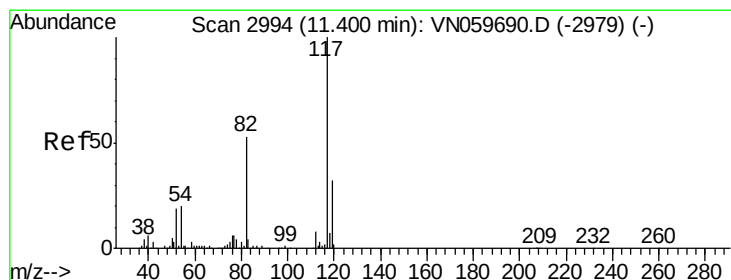
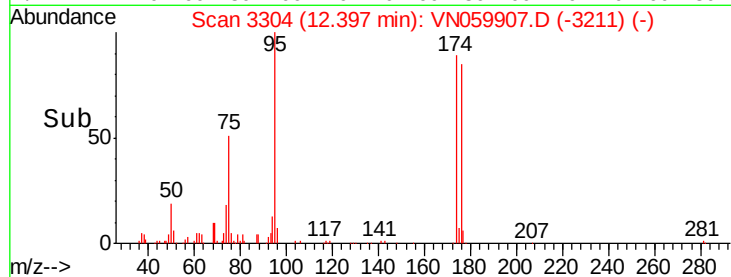
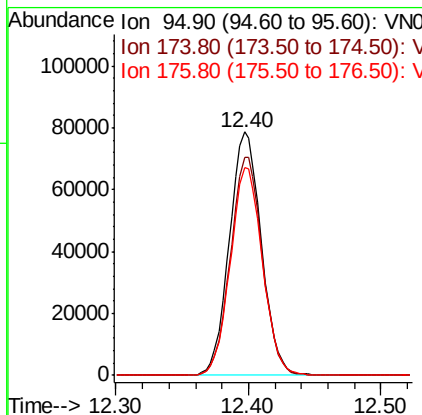
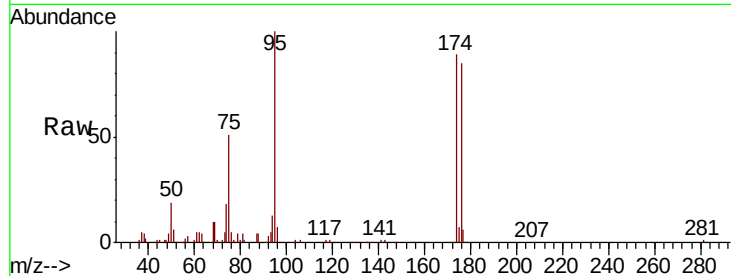




#62  
4-Bromofluorobenzene  
Concen: 48.086 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

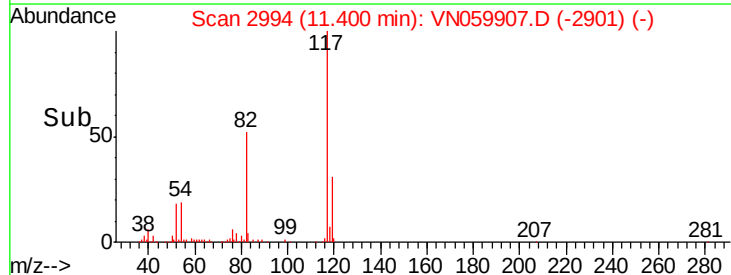
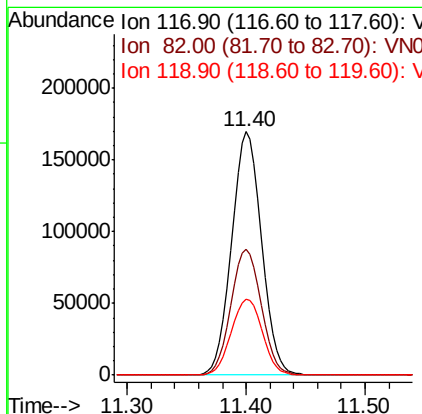
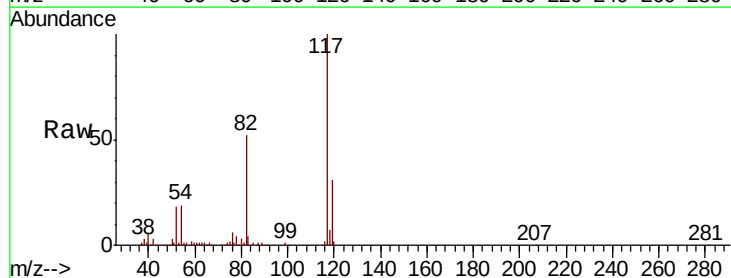
Instrument :  
MSVOA\_N  
ClientSampleId :

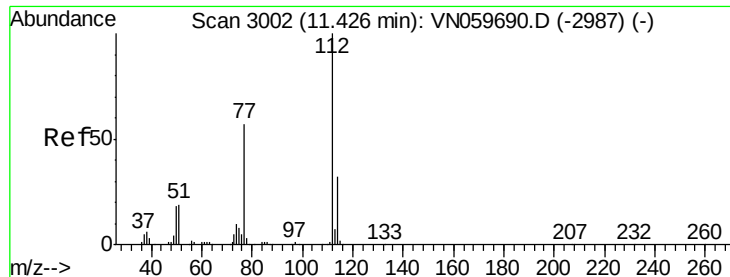
Tot Ion: 95 Resp: 131648  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 151.4  
176 85.8 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion: 117 Resp: 295997  
Ion Ratio Lower Upper  
117 100  
82 52.0 45.9 68.9  
119 31.2 25.5 38.3

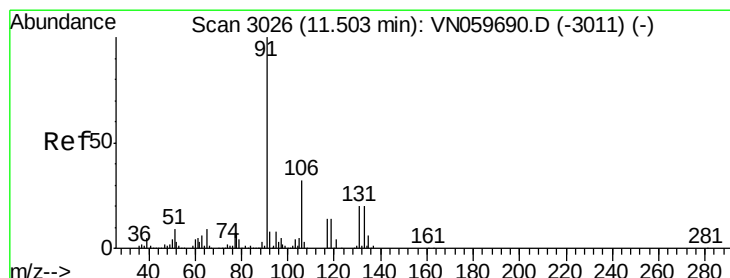
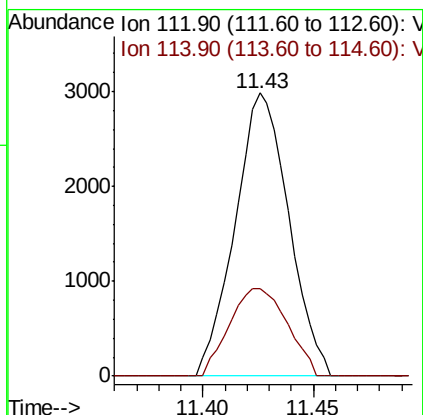
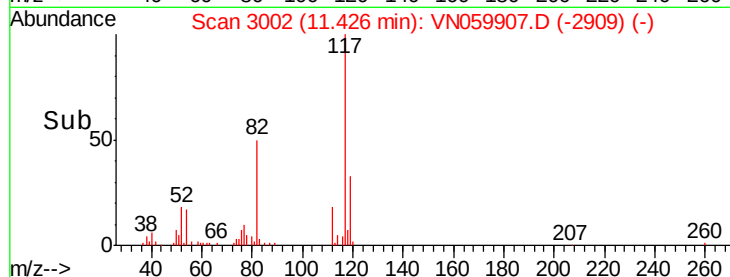
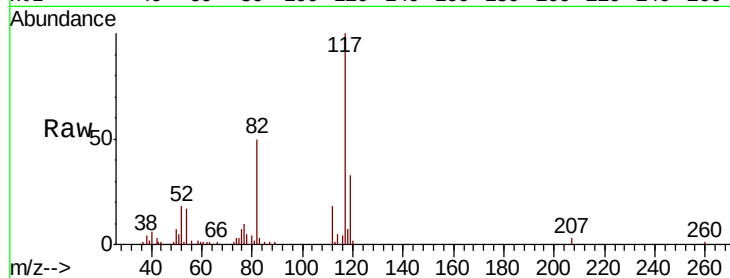




#65  
Chlorobenzene  
Concen: 0.868 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

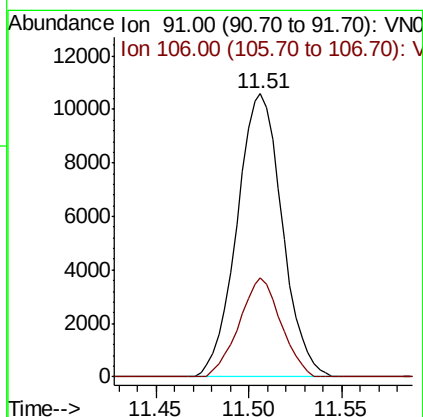
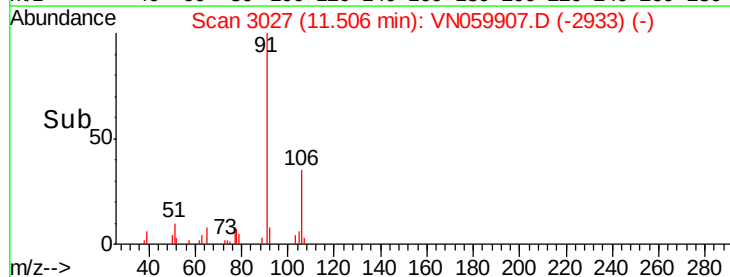
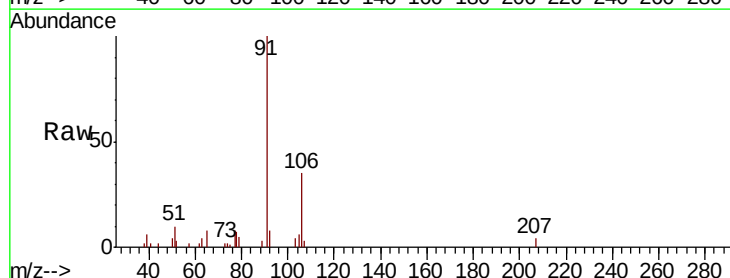
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:112 Resp: 5052  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.8 38.8

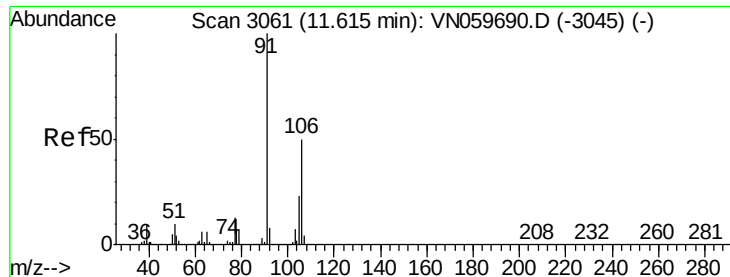


#67  
Ethyl Benzene  
Concen: 1.703 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion: 91 Resp: 17981  
Ion Ratio Lower Upper  
91 100  
106 34.8 24.1 36.1



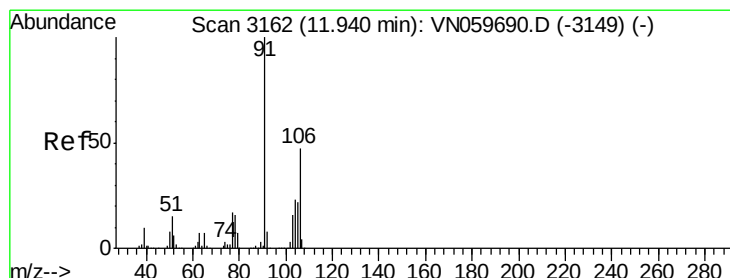
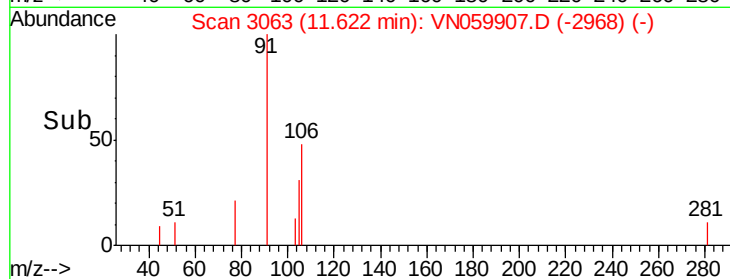
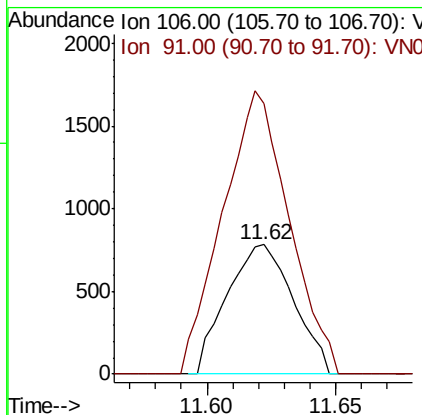
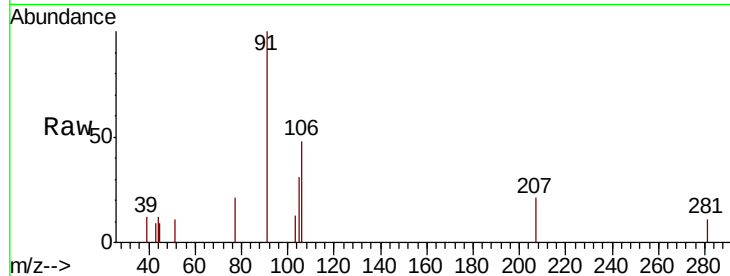




#68  
m/p-Xylenes  
Concen: 0.352 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.01 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

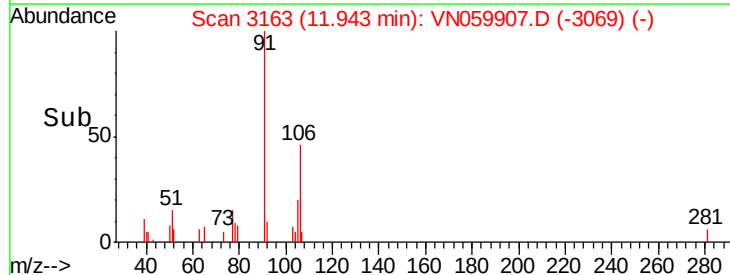
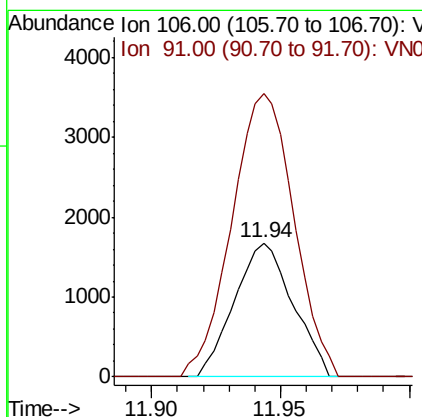
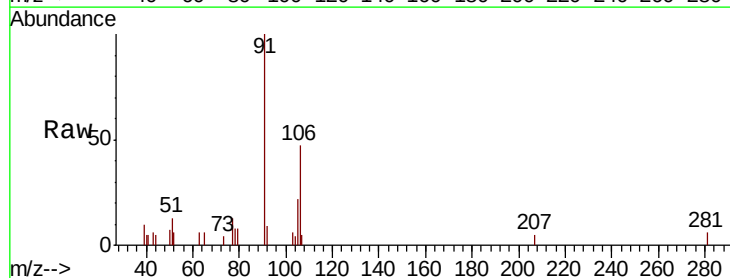
Instrument :  
MSVOA\_N  
ClientSampleId :

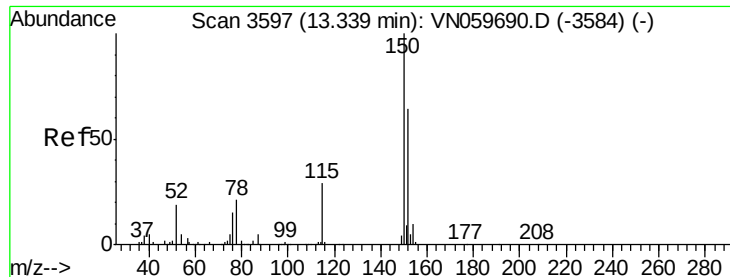
Tot Ion:106 Resp: 1405  
Ion Ratio Lower Upper  
106 100  
91 218.6 167.9 251.9



#69  
o-Xylene  
Concen: 0.675 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion:106 Resp: 2636  
Ion Ratio Lower Upper  
106 100  
91 225.3 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

ClientSampleId :

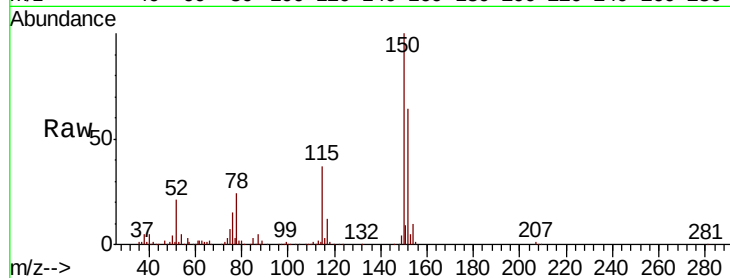
Tot Ion:152 Resp: 130163

Ion Ratio Lower Upper

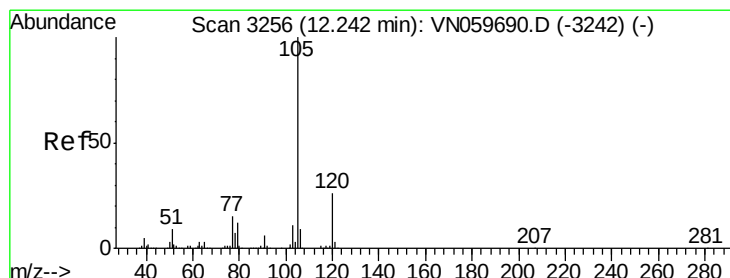
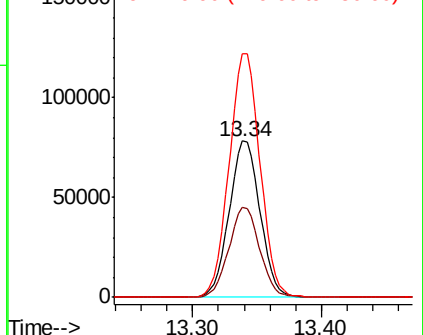
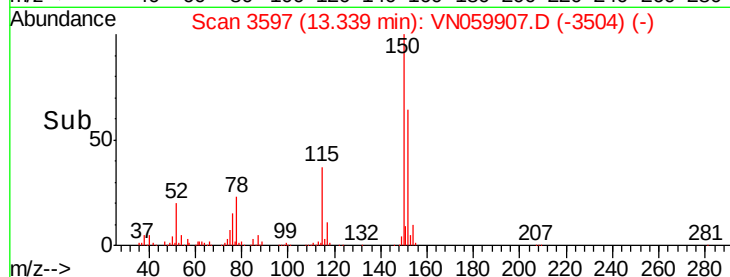
152 100

115 57.8 30.3 90.9

150 155.7 0.0 345.2



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: 0.960 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059907.D

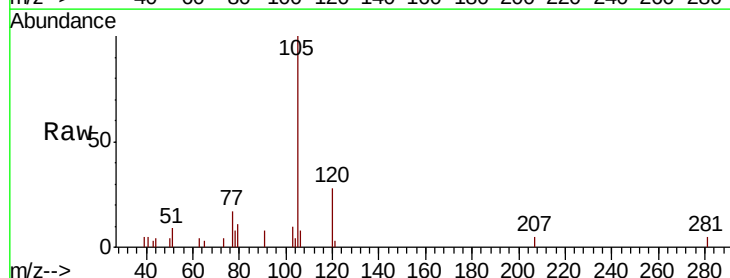
Acq: 29 Jan 2020 13:13

Tgt Ion:105 Resp: 9169

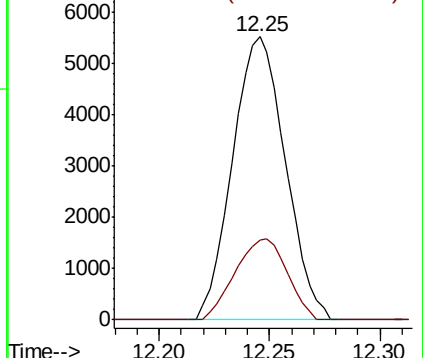
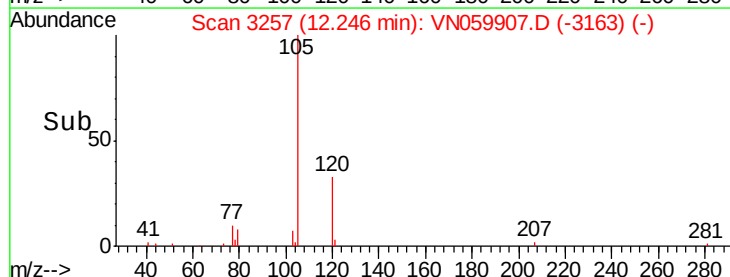
Ion Ratio Lower Upper

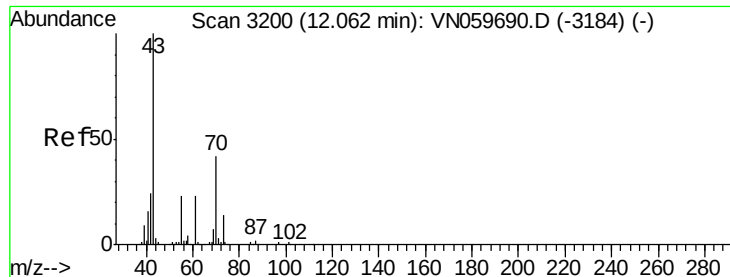
105 100

120 28.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.659 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 43 Resp: 2440

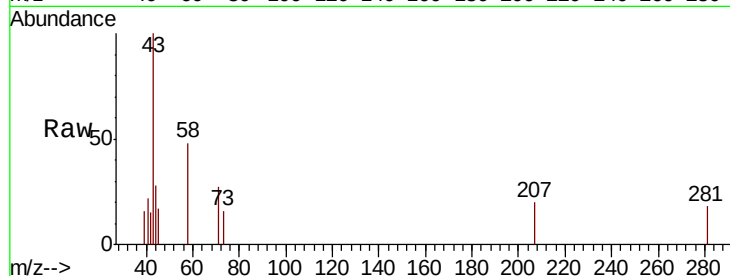
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

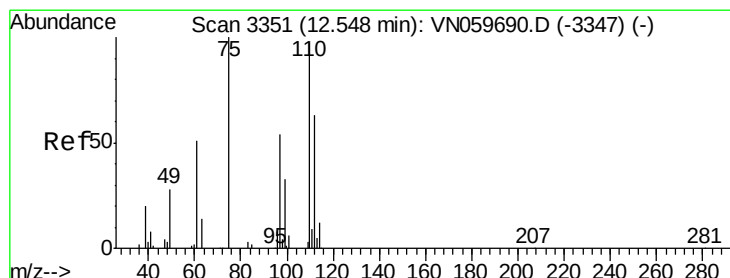
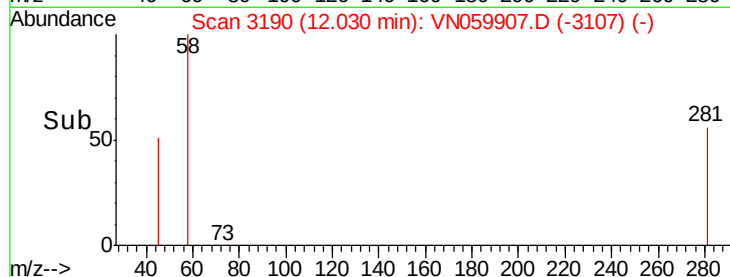
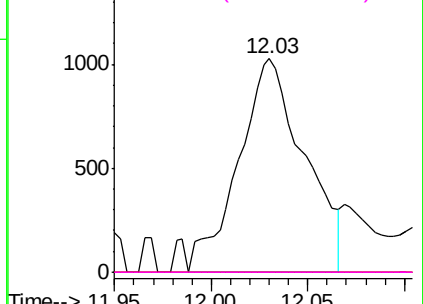


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.619 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059907.D

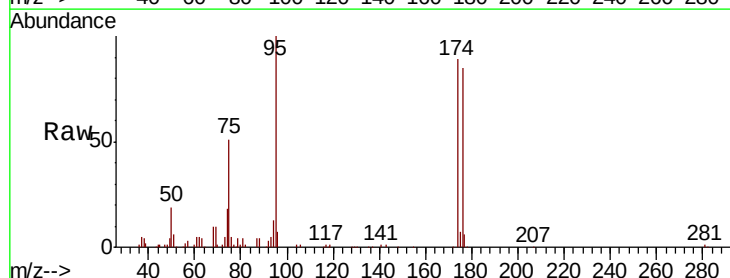
Acq: 29 Jan 2020 13:13

Tgt Ion: 75 Resp: 67072

Ion Ratio Lower Upper

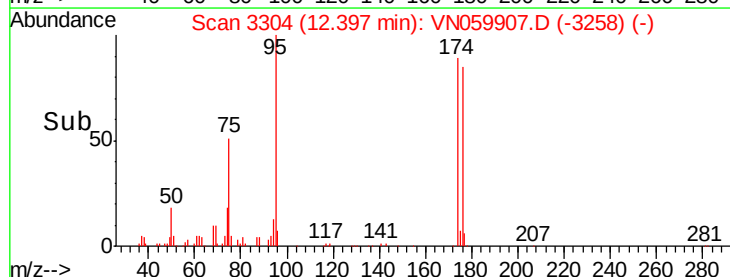
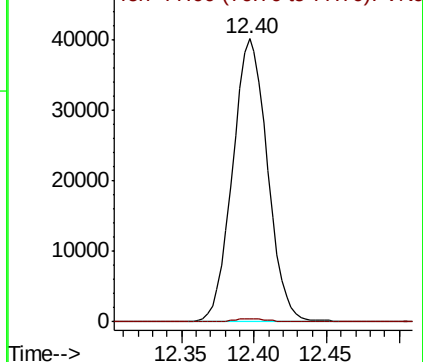
75 100

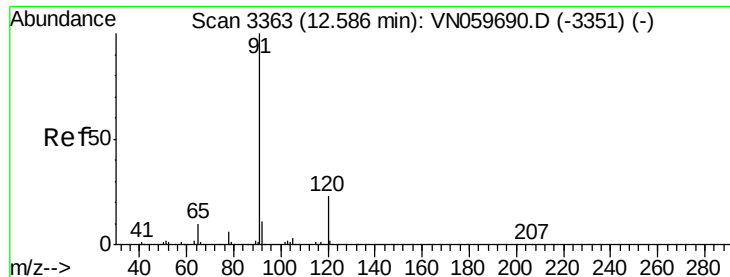
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.210 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

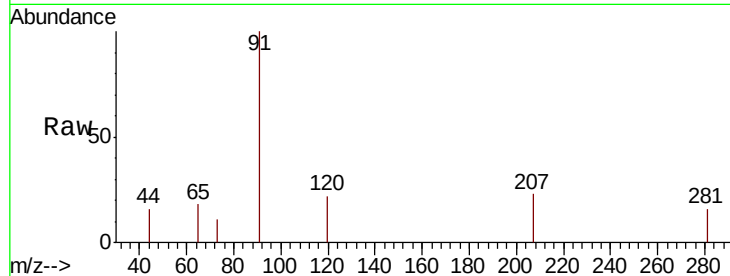
ClientSampleId :

Tot Ion: 91 Resp: 2254

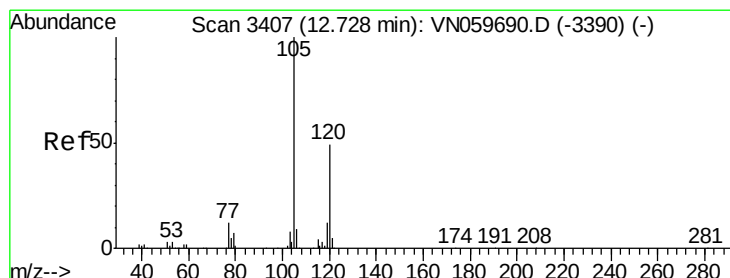
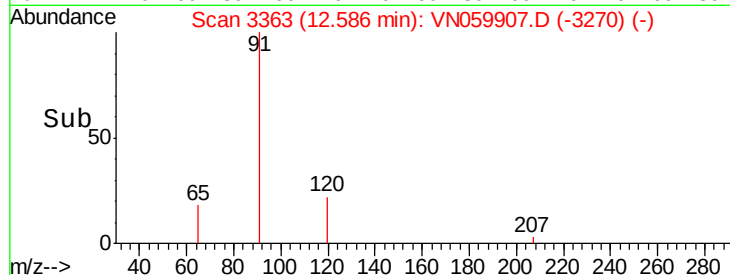
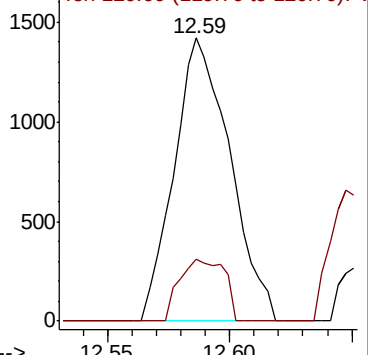
Ion Ratio Lower Upper

91 100

120 17.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN059907.D (-3351) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.548 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059907.D

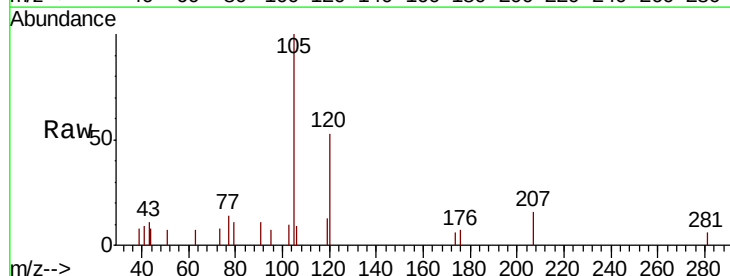
Acq: 29 Jan 2020 13:13

Tgt Ion: 105 Resp: 4401

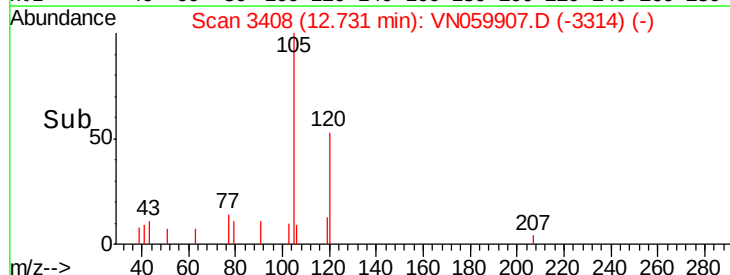
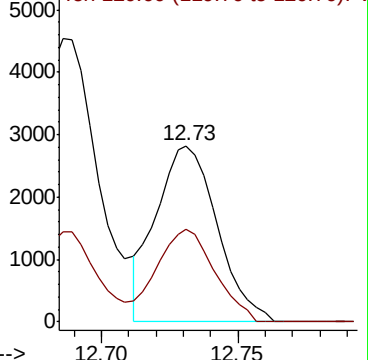
Ion Ratio Lower Upper

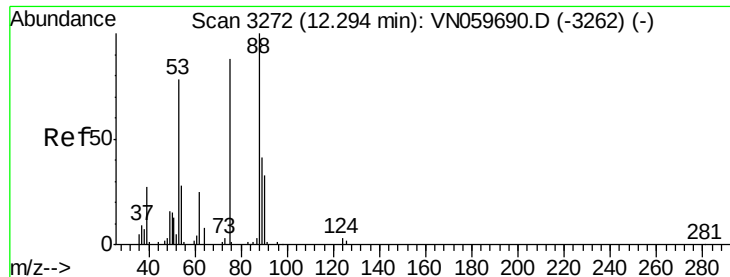
105 100

120 50.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059907.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.755 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

ClientSampleId :

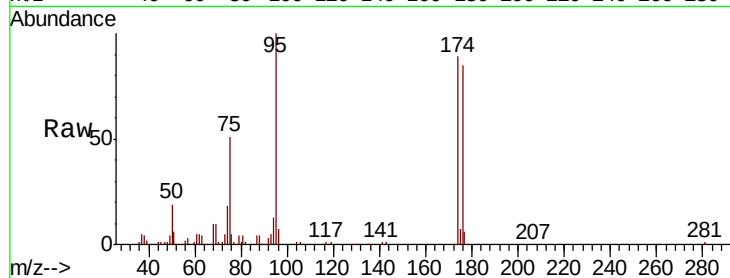
Tot Ion: 75 Resp: 67072

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

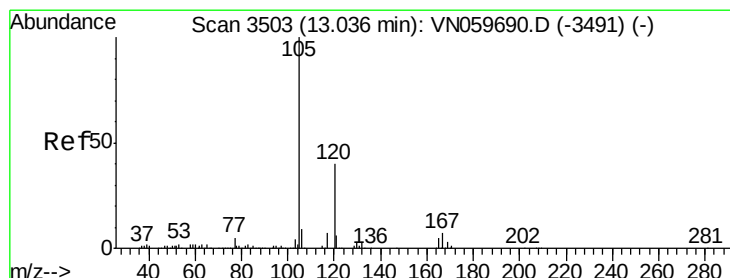
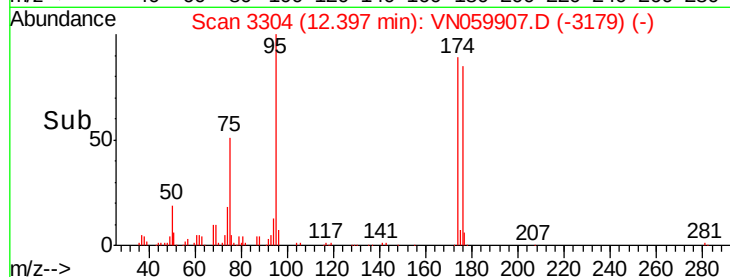
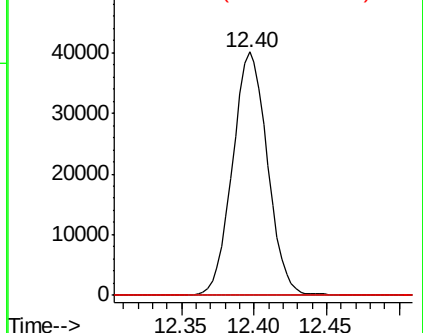
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059907.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN059907.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN059907.D (-3179) (-)



#84

1,2,4-Trimethylbenzene

Concen: 2.491 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059907.D

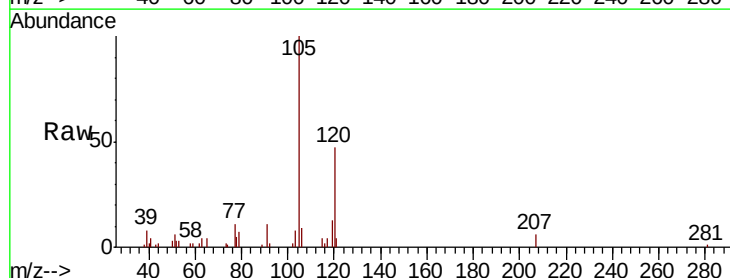
Acq: 29 Jan 2020 13:13

Tgt Ion: 105 Resp: 19786

Ion Ratio Lower Upper

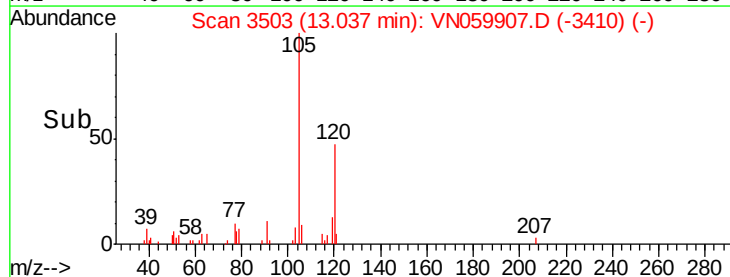
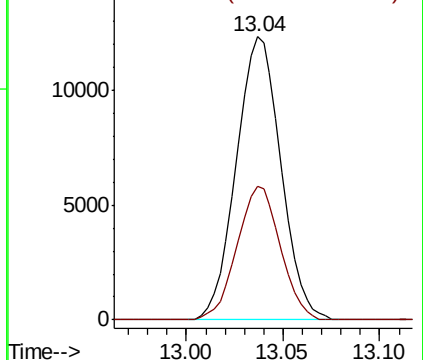
105 100

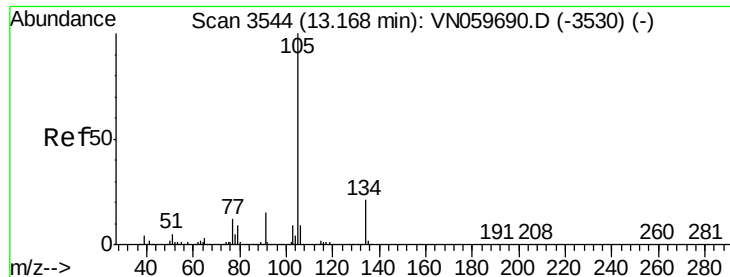
120 45.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): VN059907.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN059907.D (-3410) (-)





#85

sec-Butylbenzene

Concen: 2.169 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

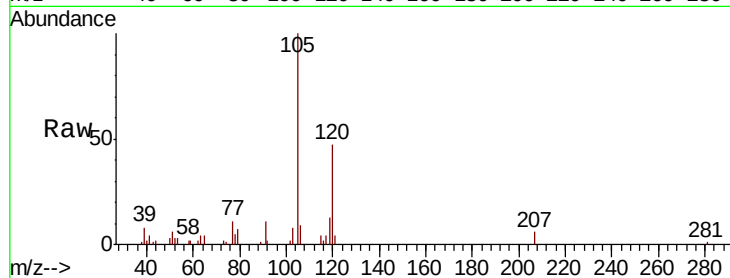
ClientSampled :

Tot Ion:105 Resp: 19786

Ion Ratio Lower Upper

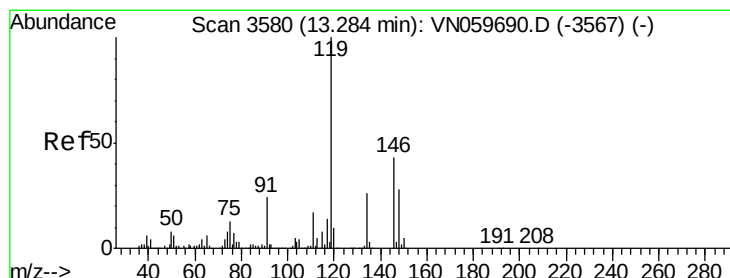
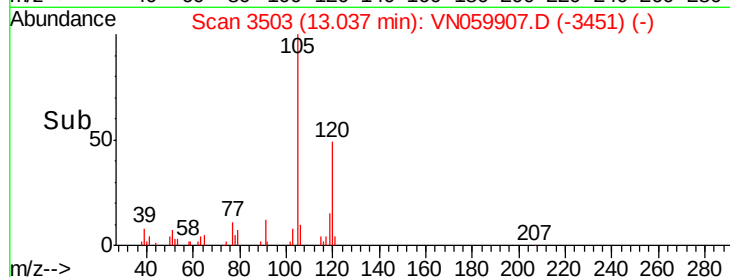
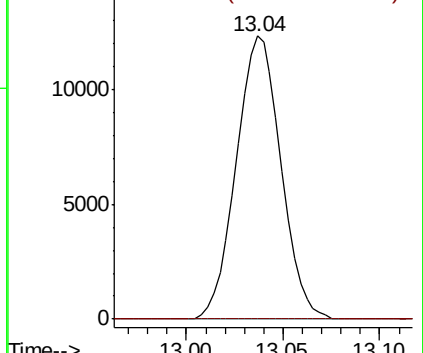
105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.271 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

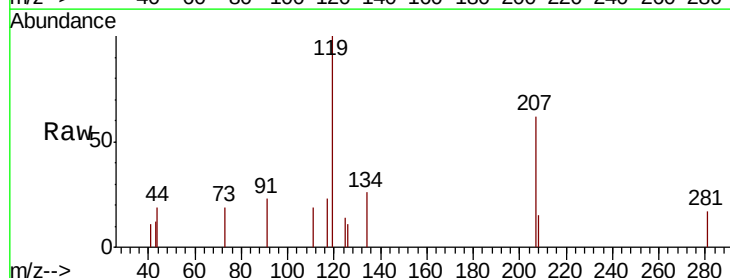
Tgt Ion:119 Resp: 2284

Ion Ratio Lower Upper

119 100

134 20.2 12.9 38.7

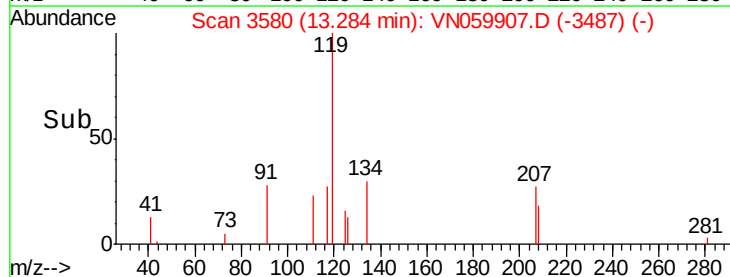
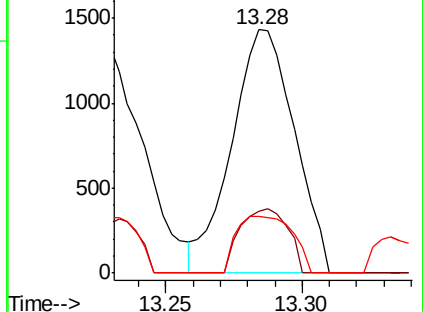
91 0.0 12.4 37.4#

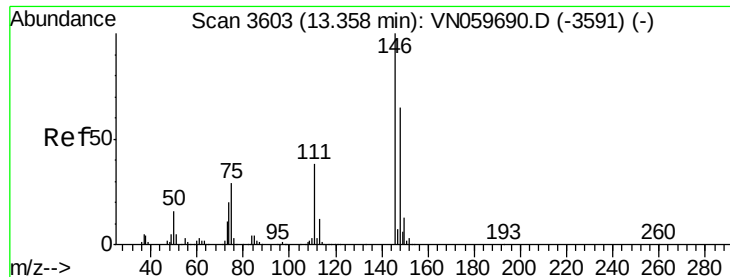


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.274 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

Instrument :

MSVOA\_N

ClientSampled :

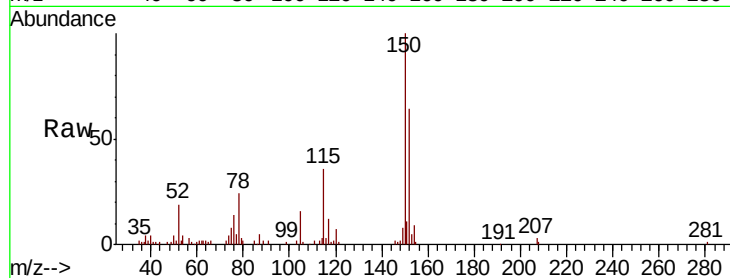
Tot Ion:146 Resp: 1146

Ion Ratio Lower Upper

146 100

111 182.7 20.8 62.2#

148 110.5 31.8 95.4#

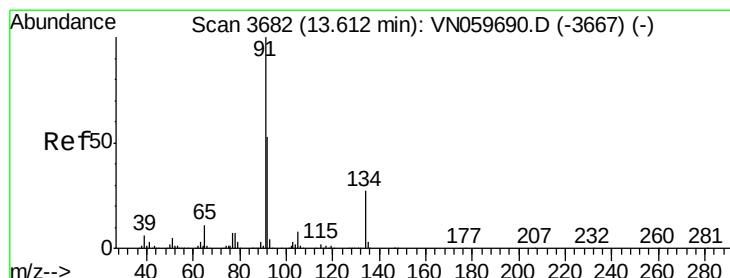
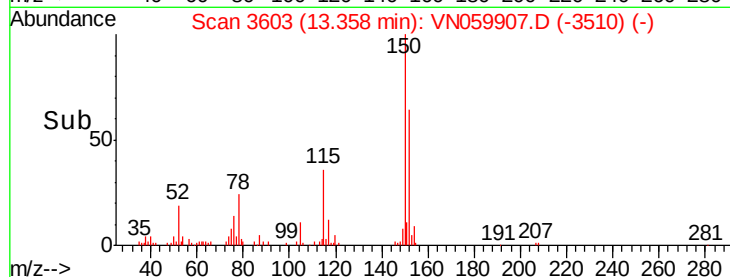
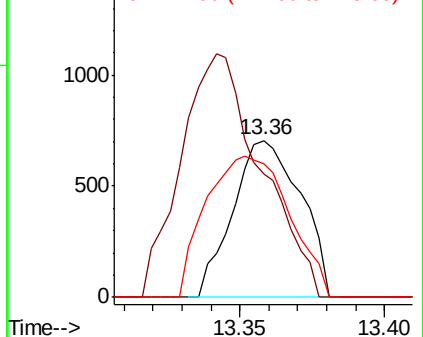


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 6.164 ug/l

RT: 13.54 min Scan# 3660

Delta R.T. -0.07 min

Lab File: VN059907.D

Acq: 29 Jan 2020 13:13

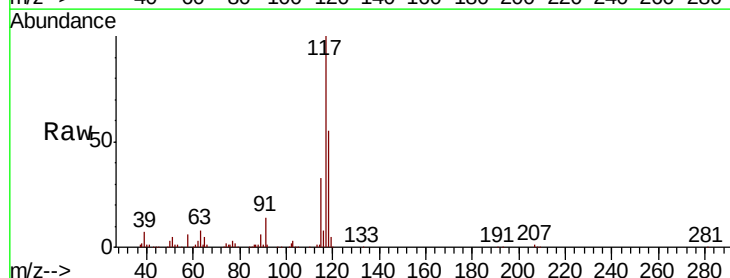
Tgt Ion: 91 Resp: 44365

Ion Ratio Lower Upper

91 100

92 9.4 25.9 77.7#

134 0.0 12.3 36.8#

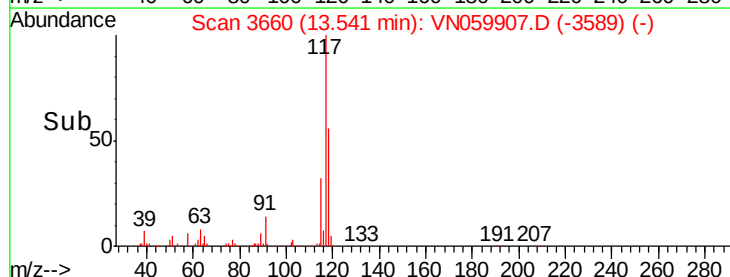
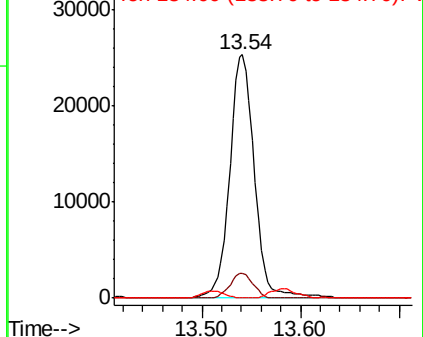


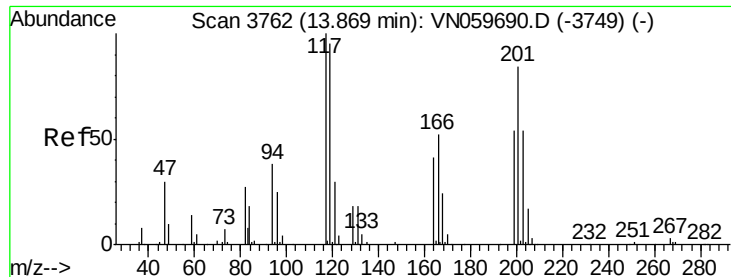
Abundance

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

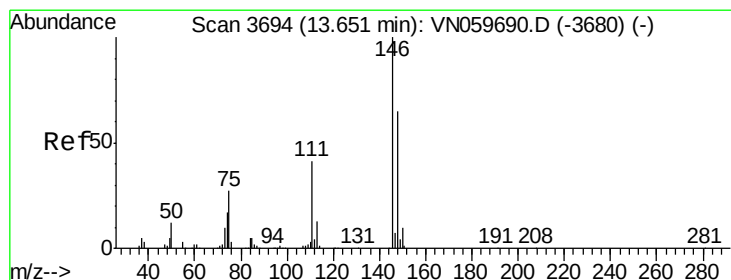
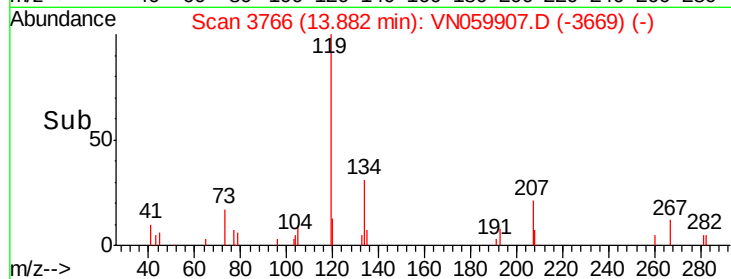
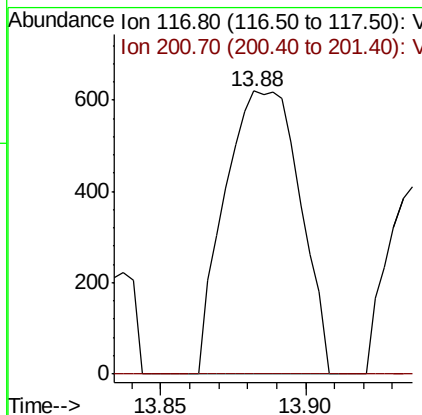
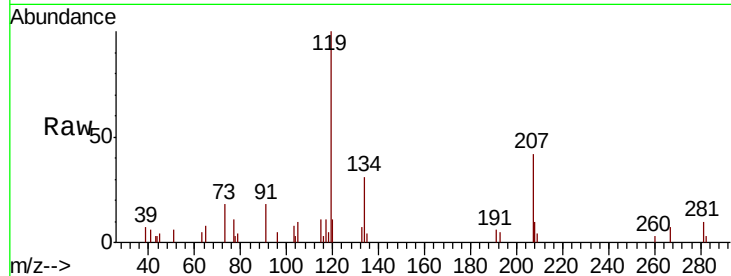




#90  
Hexachloroethane  
Concen: 0.705 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. 0.01 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

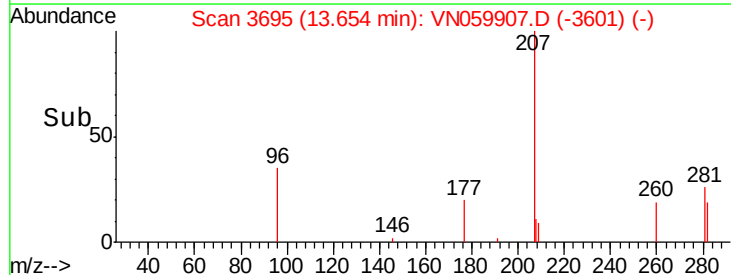
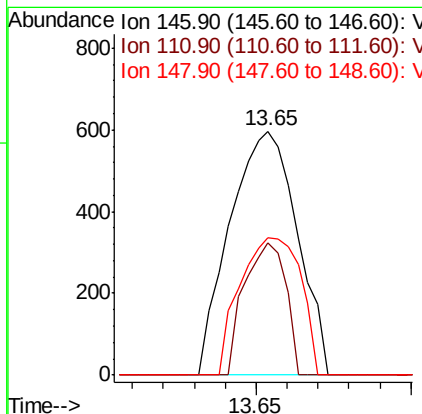
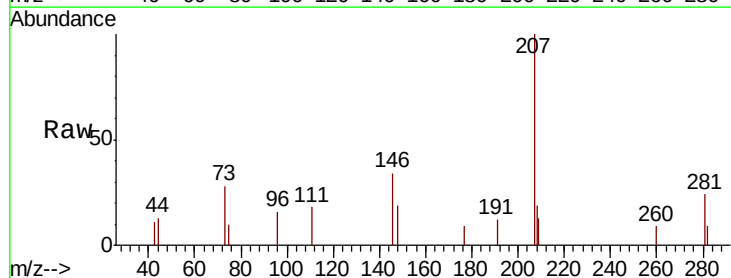
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:117 Resp: 1113  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.8 113.4#

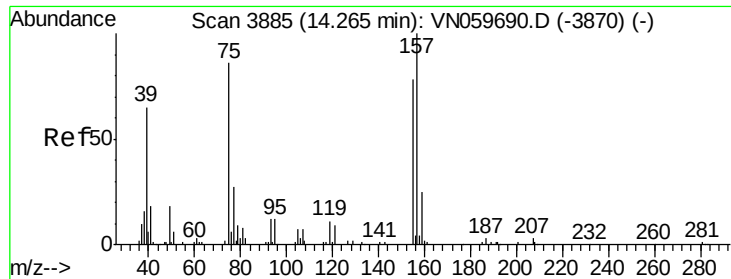


#91  
1,2-Dichlorobenzene  
Concen: 0.217 ug/l  
RT: 13.65 min Scan# 3695  
Delta R.T. 0.00 min  
Lab File: VN059907.D  
Acq: 29 Jan 2020 13:13

Tgt Ion:146 Resp: 900  
Ion Ratio Lower Upper  
146 100  
111 33.3 21.6 64.8  
148 51.1 31.6 95.0



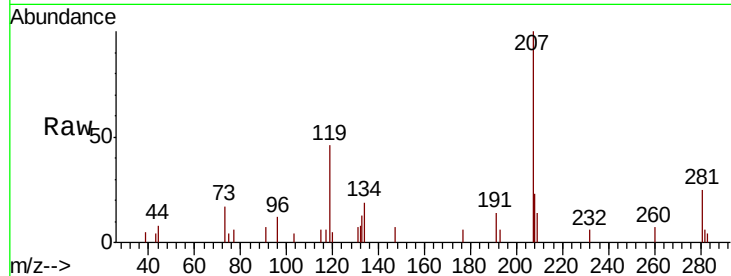




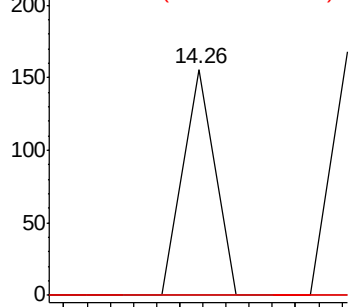
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: Below Cal  
 RT: 14.26 min Scan# 3884  
 Delta R.T. -0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Instrument :  
 MSVOA\_N  
 ClientSampled :

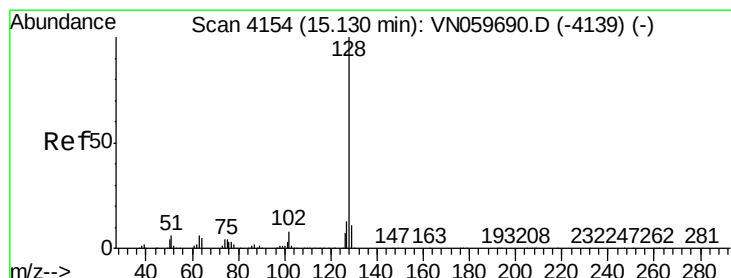
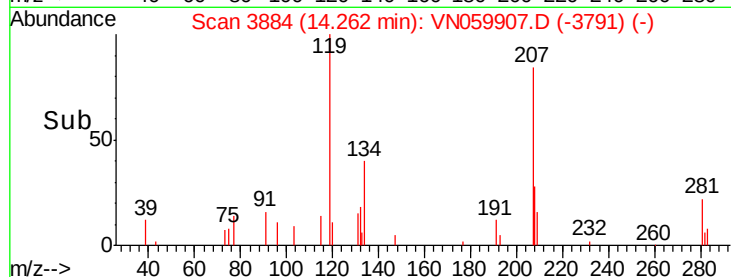
Tot Ion: 75 Resp: 30  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 37.0 110.9#  
 157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

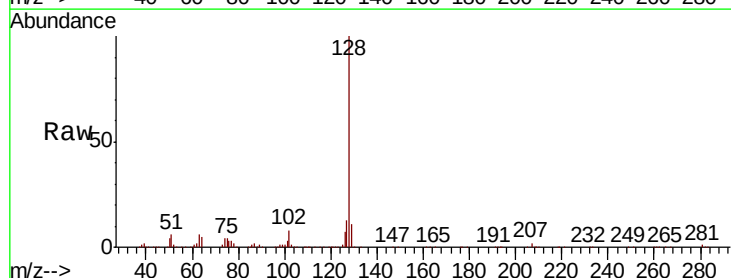


Time--> 14.25 14.26 14.27

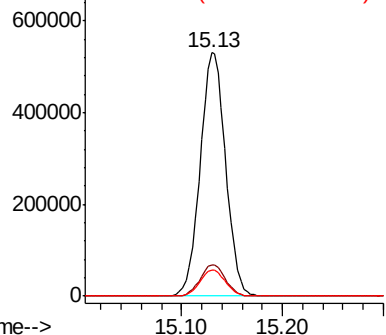


#95  
 Naphthalene  
 Concen: 131.078 ug/l  
 RT: 15.13 min Scan# 4154  
 Delta R.T. 0.00 min  
 Lab File: VN059907.D  
 Acq: 29 Jan 2020 13:13

Tgt Ion:128 Resp: 930031  
 Ion Ratio Lower Upper  
 128 100  
 127 12.9 10.4 15.6  
 129 10.8 8.6 12.8



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



Time--> 15.10 15.20

