

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\  
 Data File : VN061963.D  
 Acq On : 19 Jun 2020 19:36  
 Operator : JC/MD  
 Sample : L3033-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

Quant Time: Jun 20 07:37:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

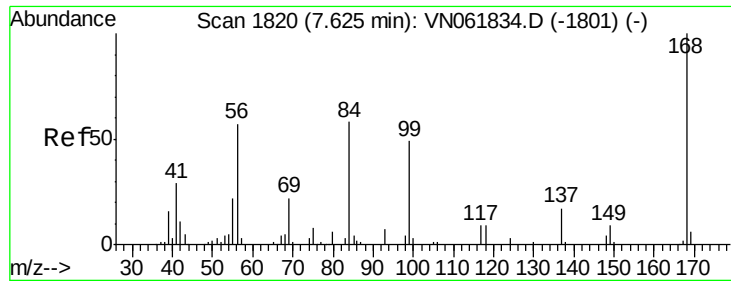
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 154927   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 281681   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 271908   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 108781   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 101875   | 49.03 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.06% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 88359    | 49.03 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.06% |      |
| 50) Toluene-d8              | 10.06  | 98  | 349705   | 49.36 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.72% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 120030   | 49.39 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.78% |      |

|                                |       |     |         |         |        |     |
|--------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds               |       |     |         | Qvalue  |        |     |
| 3) Chloromethane               | 2.03  | 50  | 904     | 0.420   | ug/l   | 99  |
| 4) Vinyl Chloride              | 2.16  | 62  | 261722  | 102.090 | ug/l   | 100 |
| 8) Diethyl Ether               | 3.38  | 74  | 435     | 0.423   | ug/l   | 68  |
| 11) Tert butyl alcohol         | 4.74  | 59  | 349     | 1.214   | ug/l # | 74  |
| 16) Acetone                    | 3.79  | 43  | 3563    | 5.805   | ug/l   | 91  |
| 18) Methyl Acetate             | 4.28  | 43  | 1167    | 0.660   | ug/l # | 46  |
| 25) 2-Butanone                 | 6.80  | 43  | 1189    | 1.328   | ug/l # | 56  |
| 27) cis-1,2-Dichloroethene     | 6.78  | 96  | 34030   | 16.312  | ug/l   | 92  |
| 31) Cyclohexane                | 7.63  | 56  | 4085    | 1.492   | ug/l # | 47  |
| 36) 1,1-Dichloropropene        | 7.63  | 75  | 11703   | 4.555   | ug/l # | 47  |
| 37) Ethyl Acetate              | 6.80  | 43  | 1189    | 0.593   | ug/l # | 1   |
| 38) Carbon Tetrachloride       | 7.63  | 117 | 15189   | 5.970   | ug/l # | 17  |
| 39) Methylcyclohexane          | 9.04  | 83  | 601     | 0.217   | ug/l # | 56  |
| 40) Benzene                    | 8.00  | 78  | 67004   | 8.609   | ug/l   | 99  |
| 49) 1,4-Dioxane                | 9.17  | 88  | 417     | 11.812  | ug/l # | 48  |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43  | 9965    | 4.987   | ug/l   | 94  |
| 52) Toluene                    | 10.13 | 92  | 13468   | 2.755   | ug/l   | 98  |
| 59) 2-Hexanone                 | 10.82 | 43  | 197     | 13.524  | ug/l # | 1   |
| 65) Chlorobenzene              | 11.41 | 112 | 1392614 | 242.722 | ug/l   | 100 |
| 67) Ethyl Benzene              | 11.48 | 91  | 3144    | 0.327   | ug/l   | 94  |
| 68) m/p-Xylenes                | 11.59 | 106 | 2386    | 0.643   | ug/l   | 95  |
| 69) o-Xylene                   | 11.92 | 106 | 1239    | 0.350   | ug/l   | 92  |
| 71) Bromoform                  | 12.36 | 173 | 1156    | 0.792   | ug/l # | 1   |
| 74) N-ethyl acetate            | 12.01 | 43  | 64      | 3.086   | ug/l # | 38  |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75  | 59384   | 27.806  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75  | 59384   | 75.839  | ug/l # | 14  |
| 84) 1,2,4-Trimethylbenzene     | 13.02 | 105 | 2652    | 0.420   | ug/l   | 95  |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146 | 1915    | 0.538   | ug/l   | 94  |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146 | 8892    | 2.442   | ug/l   | 86  |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146 | 14336   | 4.187   | ug/l   | 99  |
| 95) Naphthalene                | 15.11 | 128 | 15055   | 6.072   | ug/l   | 99  |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

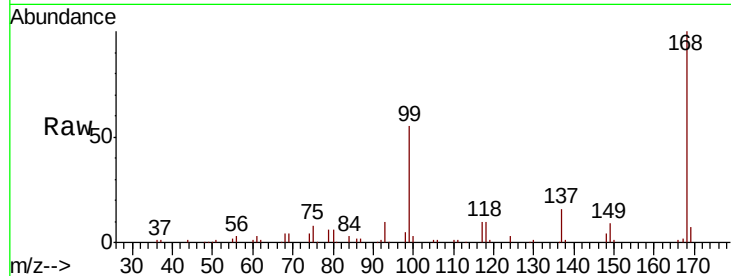
Z1-DUP-0571-200615

Tot Ion:168 Resp: 154927

Ion Ratio Lower Upper

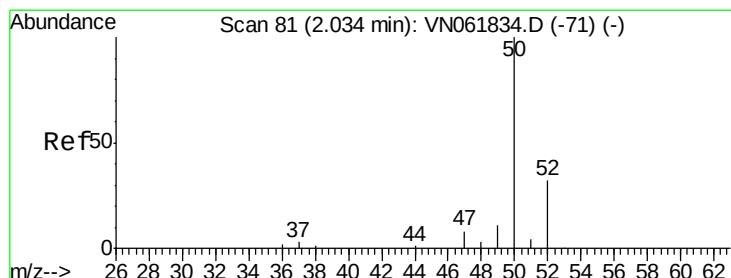
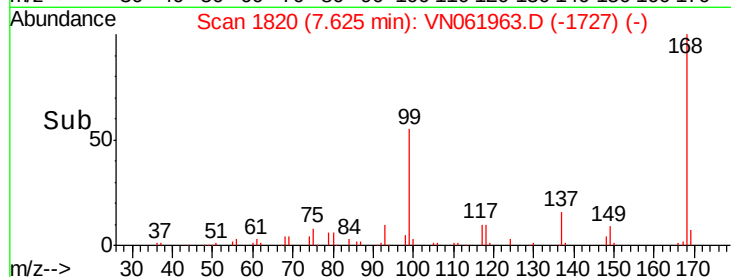
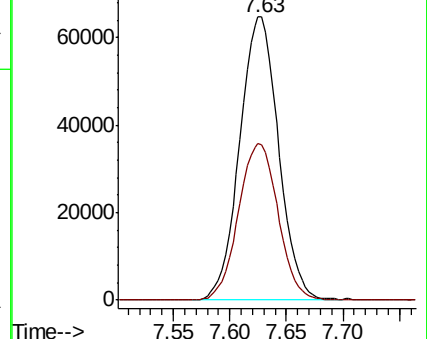
168 100

99 55.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.420 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061963.D

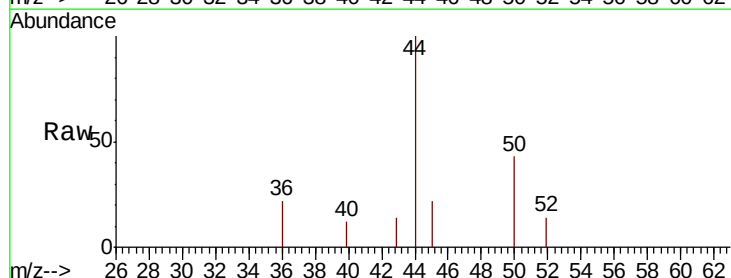
Acq: 19 Jun 2020 19:36

Tgt Ion: 50 Resp: 904

Ion Ratio Lower Upper

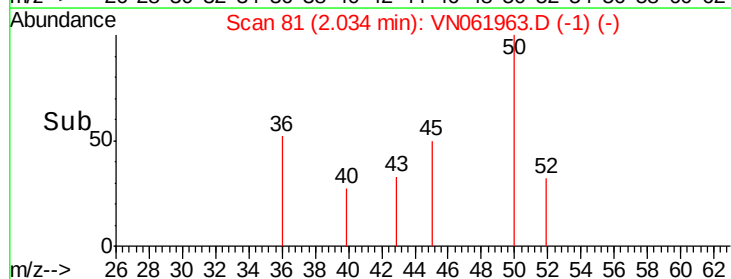
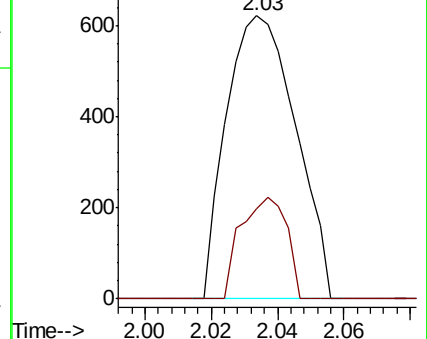
50 100

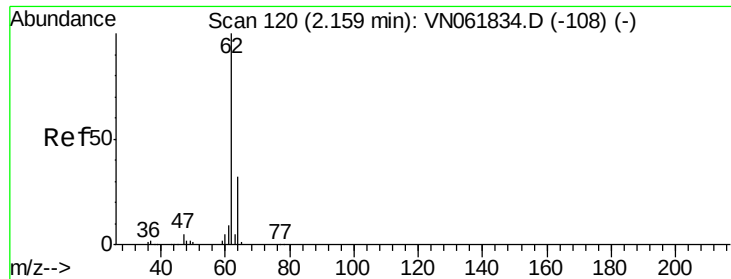
52 31.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 102.090 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

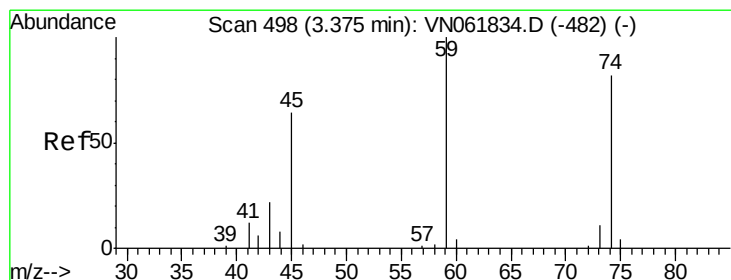
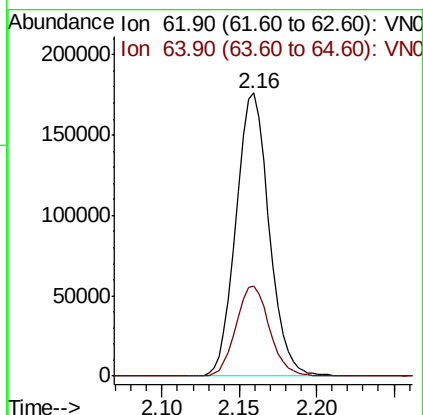
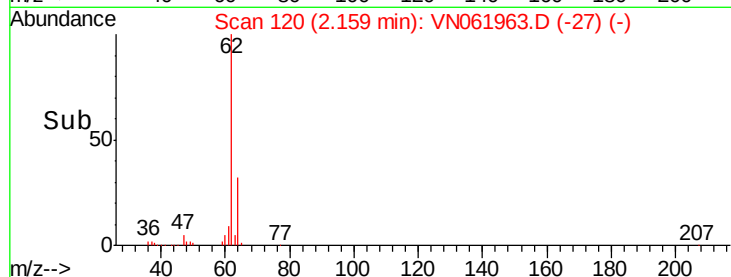
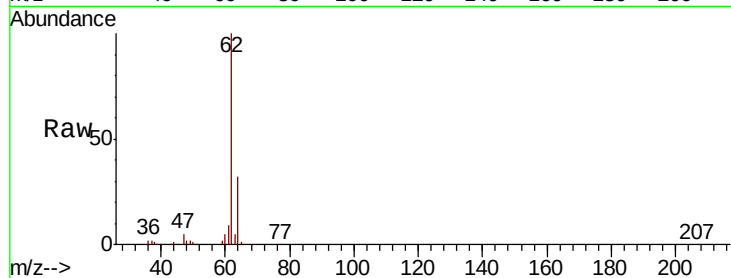
Z1-DUP-0571-200615

Tot Ion: 62 Resp: 261722

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



#8

Diethyl Ether

Concen: 0.423 ug/l

RT: 3.38 min Scan# 500

Delta R.T. 0.01 min

Lab File: VN061963.D

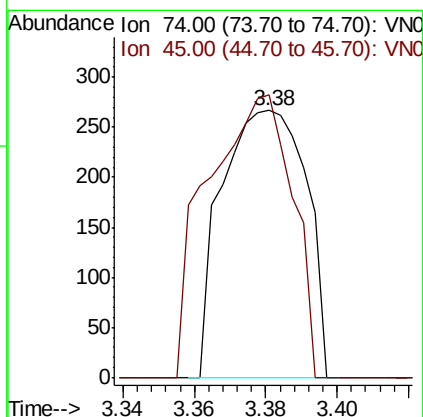
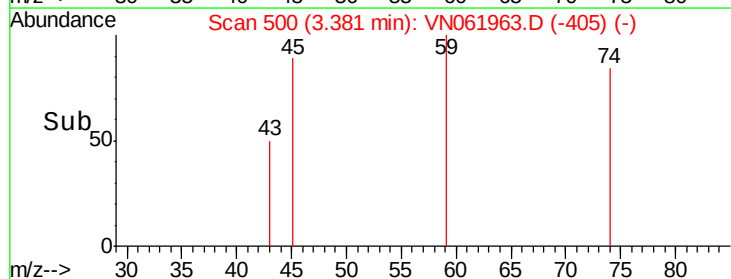
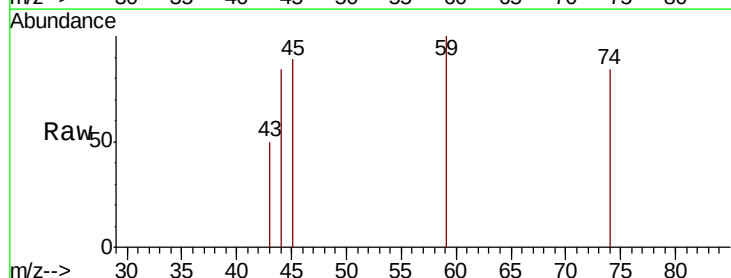
Acq: 19 Jun 2020 19:36

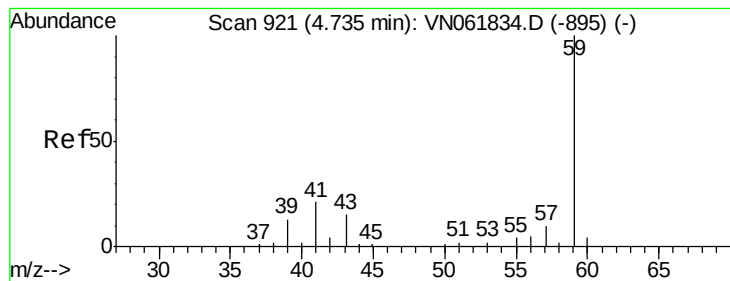
Tgt Ion: 74 Resp: 435

Ion Ratio Lower Upper

74 100

45 106.2 39.1 117.3





#11

Tert butyl alcohol

Concen: 1.214 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

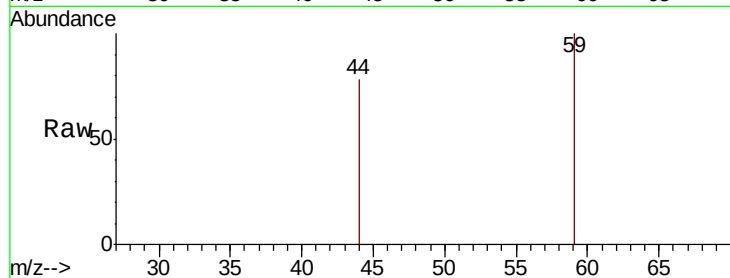
Z1-DUP-0571-200615

Tot Ion: 59 Resp: 349

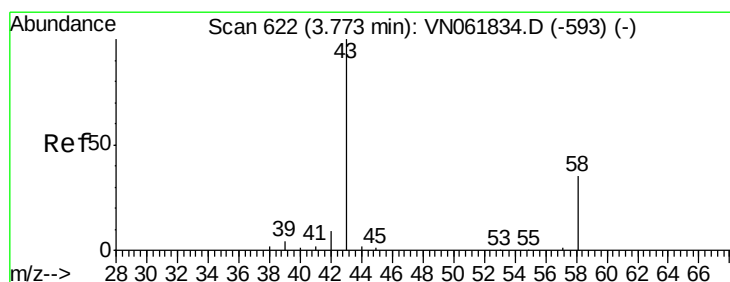
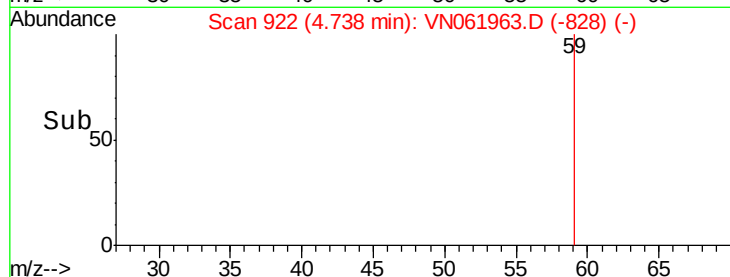
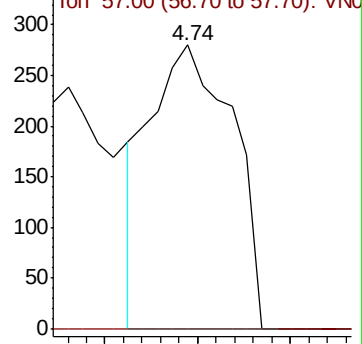
Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN061834.D (-895) (-)



#16

Acetone

Concen: 5.805 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061963.D

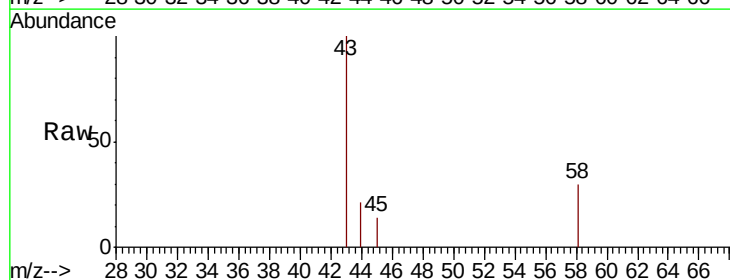
Acq: 19 Jun 2020 19:36

Tgt Ion: 43 Resp: 3563

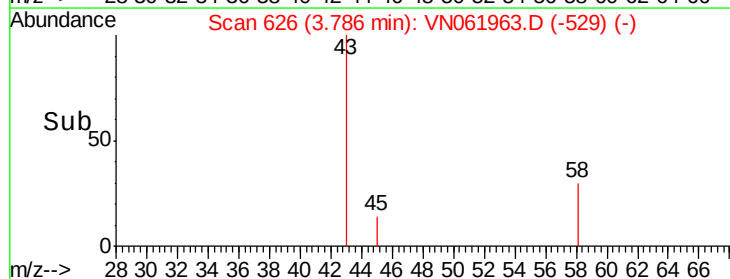
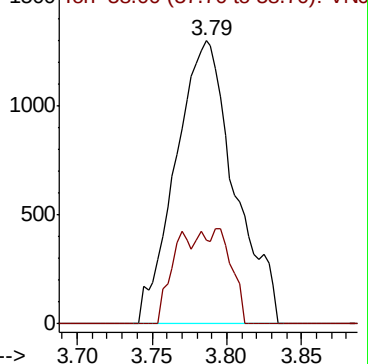
Ion Ratio Lower Upper

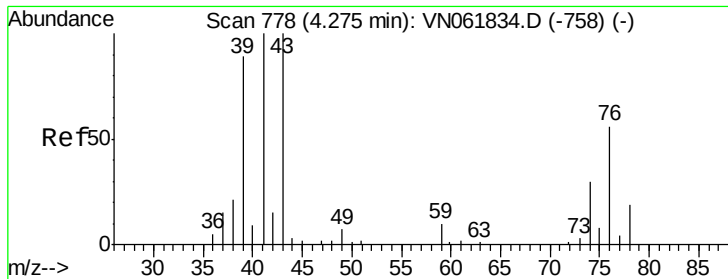
43 100

58 29.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

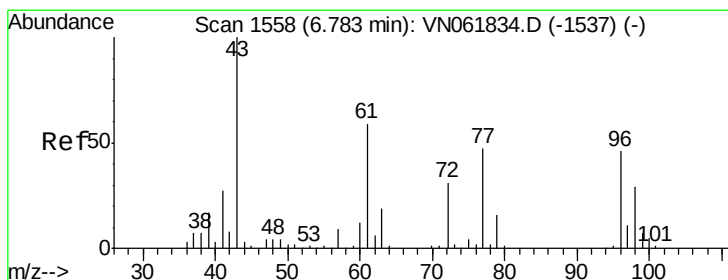
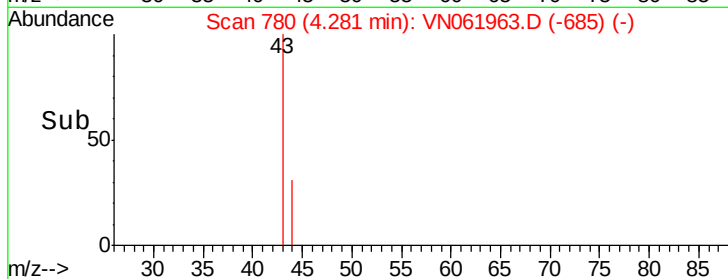
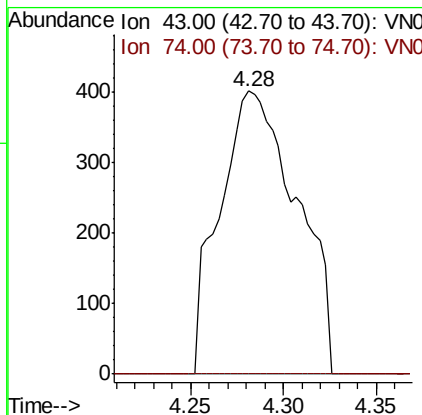
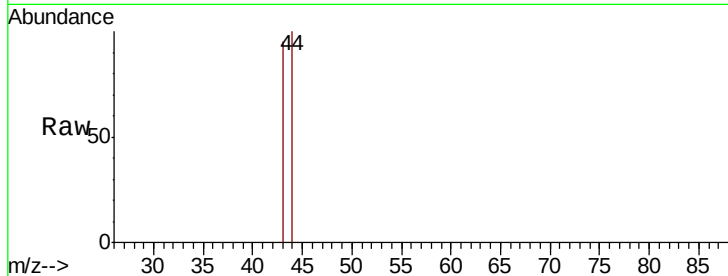




#18  
Methvl Acetate  
Concen: 0.660 ug/l  
RT: 4.28 min Scan# 780  
Delta R.T. 0.01 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

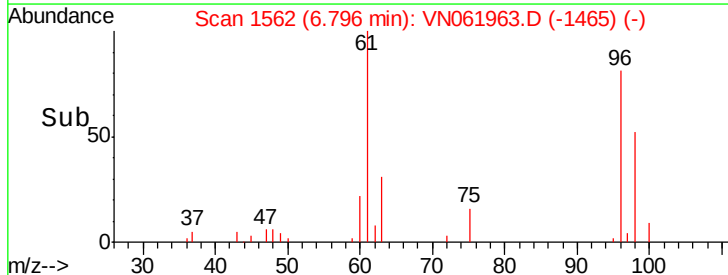
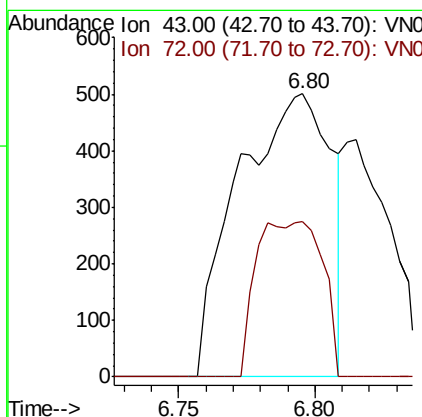
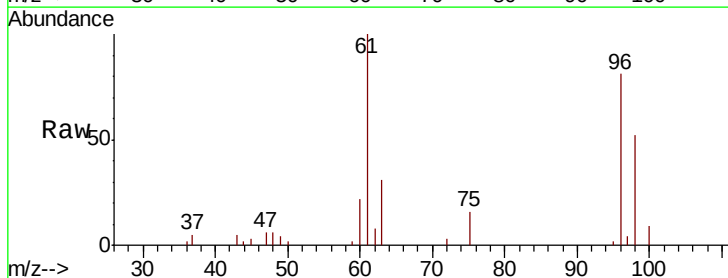
Instrument :  
MSVOA\_N  
ClientSampleId :  
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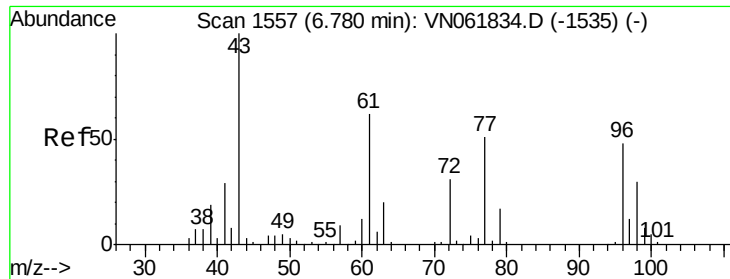
Tot Ion: 43 Resp: 1167  
Ion Ratio Lower Upper  
43 100  
74 0.0 23.0 34.4#



#25  
2-Butanone  
Concen: 1.328 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.01 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion: 43 Resp: 1189  
Ion Ratio Lower Upper  
43 100  
72 54.7 24.6 37.0#





#27

cis-1,2-Dichloroethene

Concen: 16.312 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

Z1-DUP-0571-200615

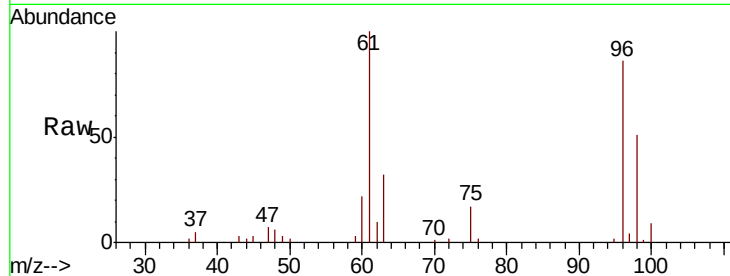
Tot Ion: 96 Resp: 34030

Ion Ratio Lower Upper

96 100

61 120.6 0.0 265.6

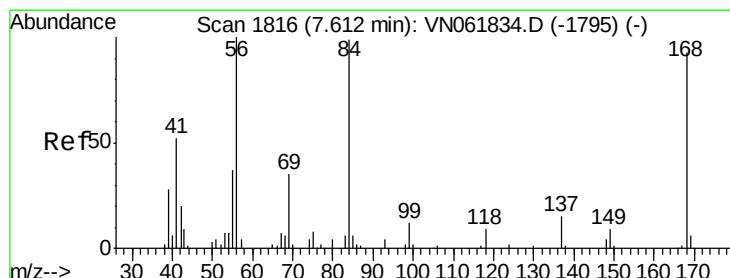
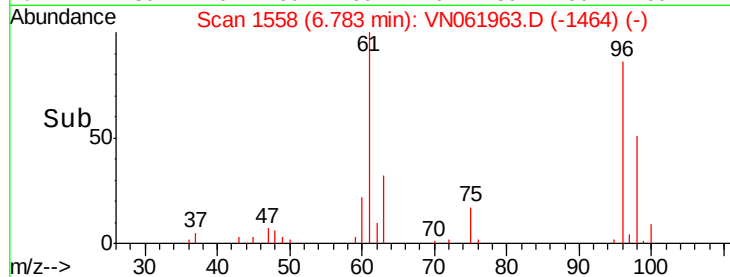
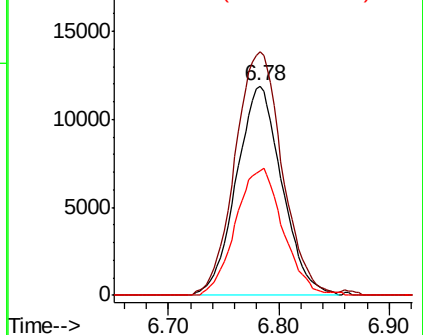
98 62.7 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)



#31

Cyclohexane

Concen: 1.492 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

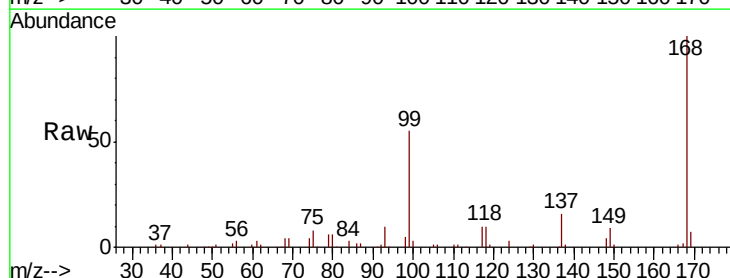
Tgt Ion: 56 Resp: 4085

Ion Ratio Lower Upper

56 100

69 134.7 27.7 41.5#

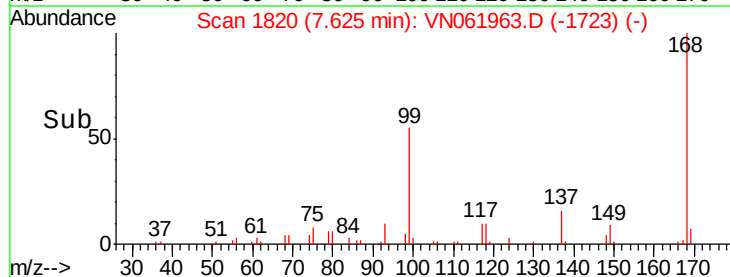
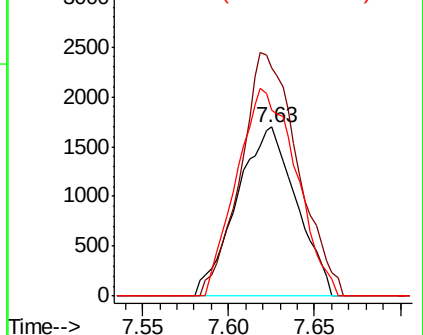
84 110.1 79.1 118.7

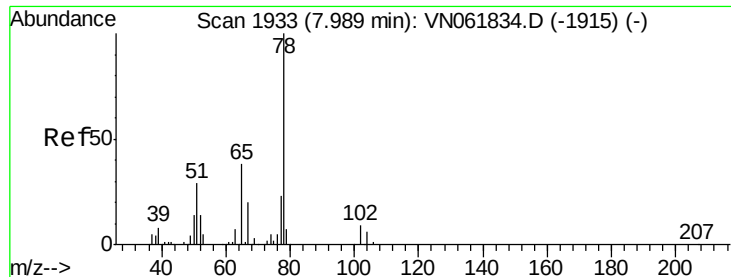


Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)

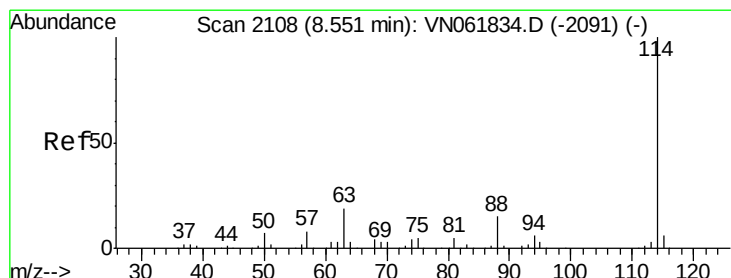
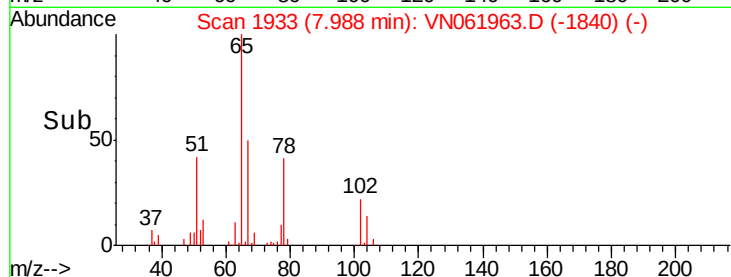
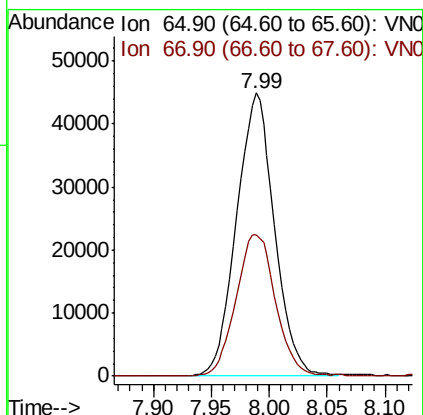
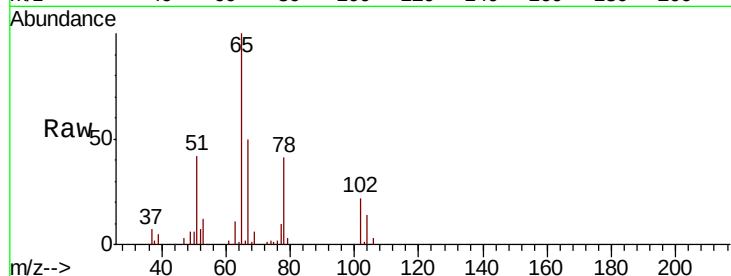




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.030 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

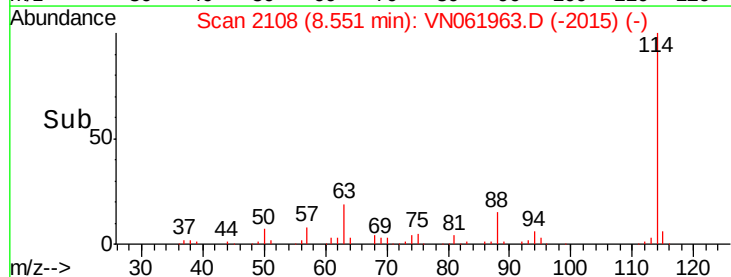
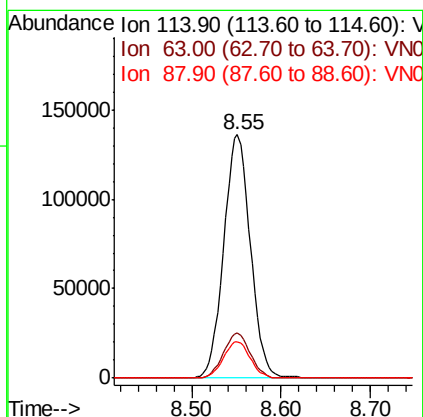
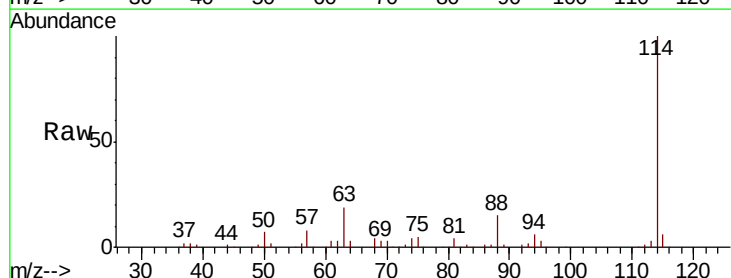
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

Tot Ion: 65 Resp: 101875  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 106.2

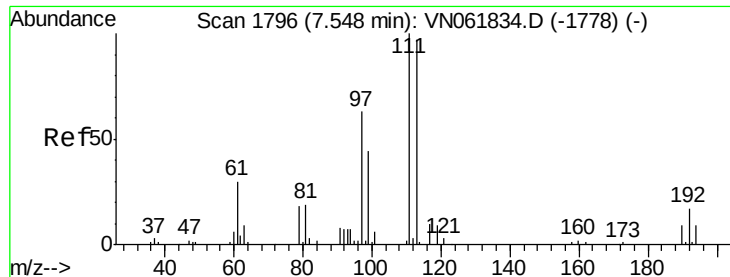


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

Tgt Ion: 114 Resp: 281681  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 37.6  
 88 15.1 0.0 31.0



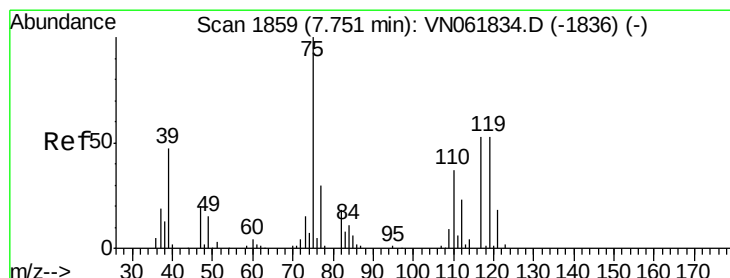
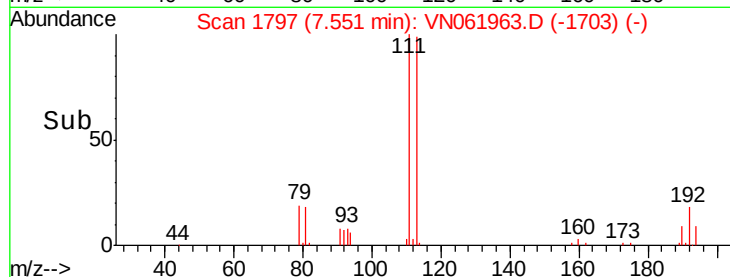
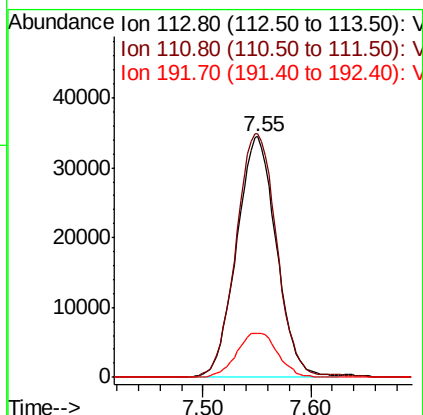
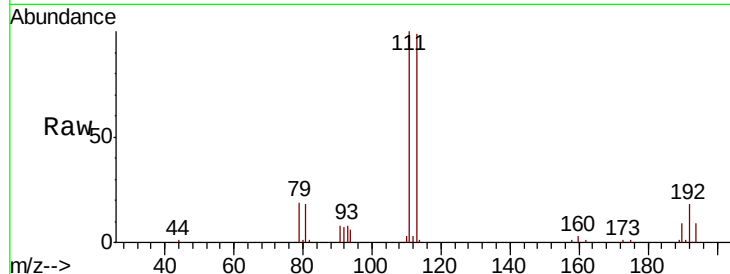




#35  
 Dibromofluoromethane  
 Concen: 49.033 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

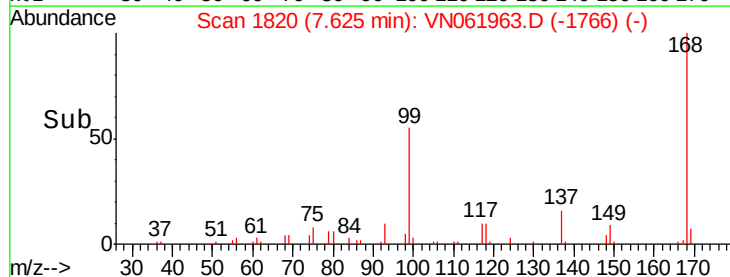
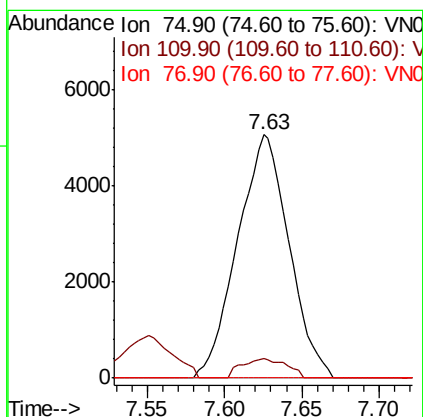
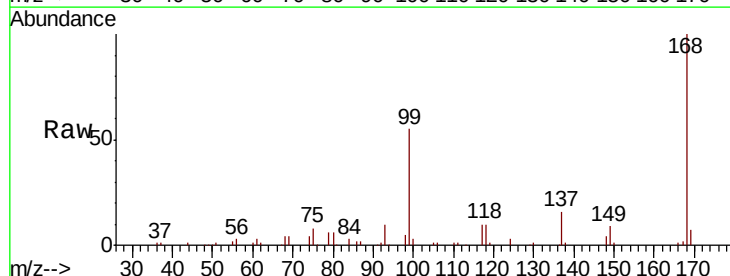
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

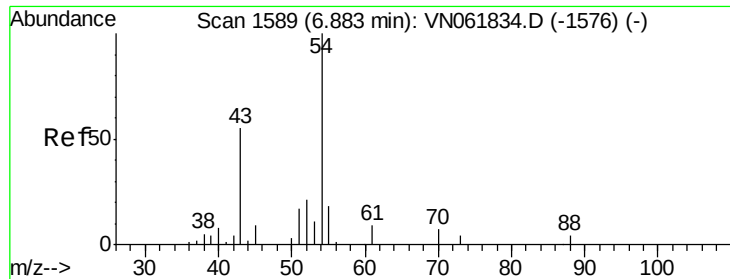
Tot Ion:113 Resp: 88359  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 83.7 125.5  
 192 18.9 13.9 20.9



#36  
 1,1-Dichloropropene  
 Concen: 4.555 ug/l  
 RT: 7.63 min Scan# 1820  
 Delta R.T. -0.13 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

Tgt Ion: 75 Resp: 11703  
 Ion Ratio Lower Upper  
 75 100  
 110 6.9 18.2 54.6#  
 77 0.0 24.2 36.4#

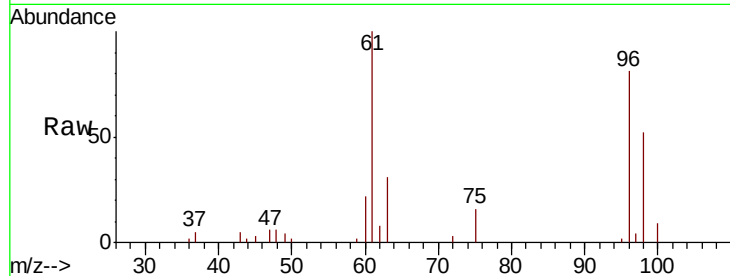




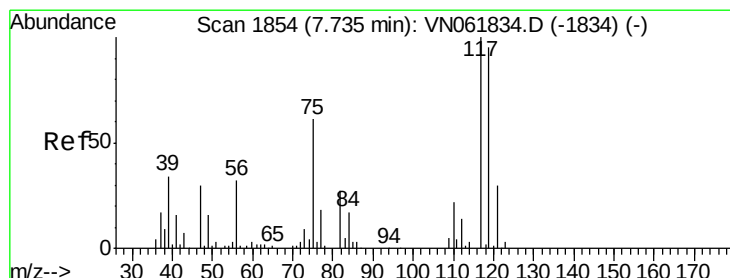
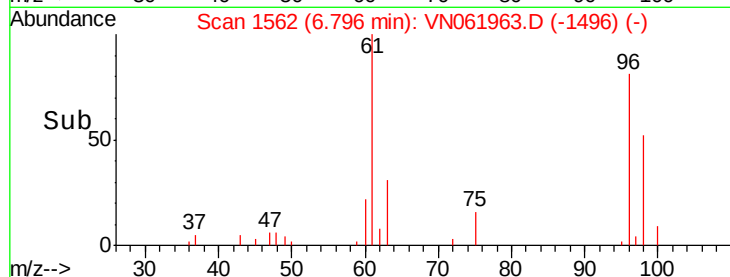
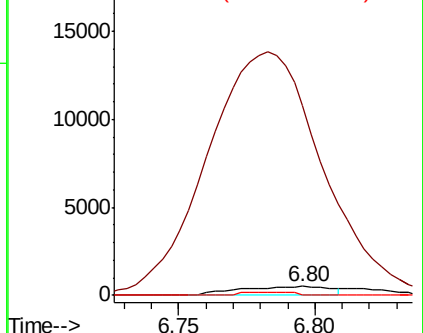
#37  
Ethyl Acetate  
Concen: 0.593 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.09 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

Tot Ion: 43 Resp: 1189  
Ion Ratio Lower Upper  
43 100  
61 3452.7 13.0 19.4#  
70 20.2 9.4 14.2#

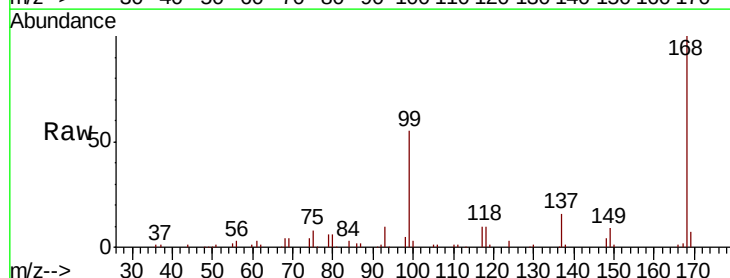


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

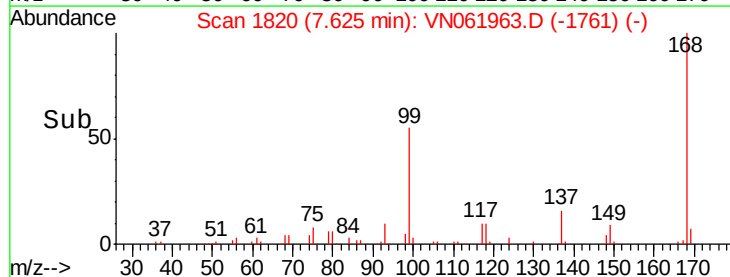
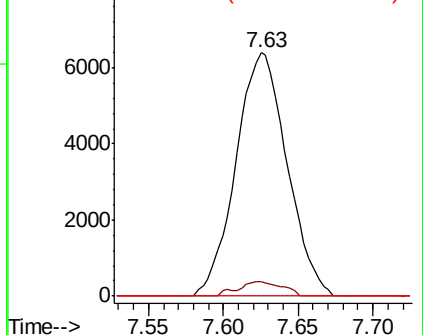


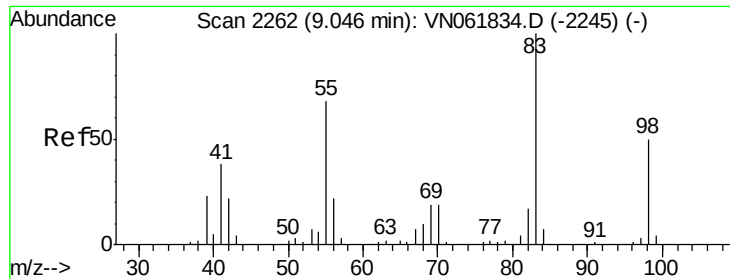
#38  
Carbon Tetrachloride  
Concen: 5.970 ug/l  
RT: 7.63 min Scan# 1820  
Delta R.T. -0.11 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion: 117 Resp: 15189  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.8 113.6#  
121 0.0 23.8 35.6#



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

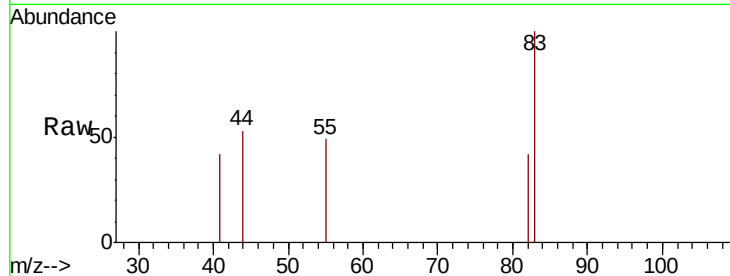




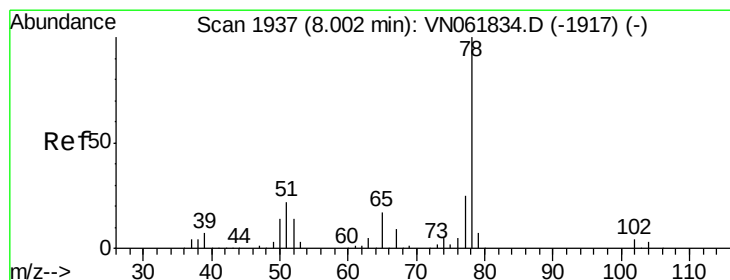
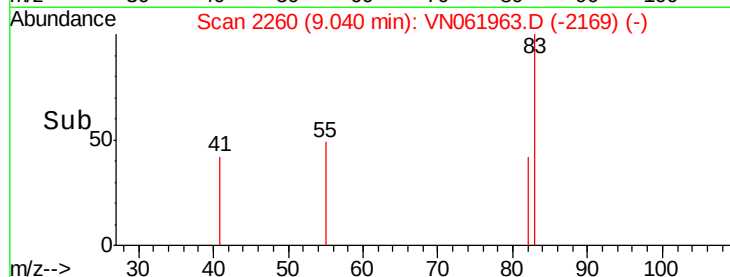
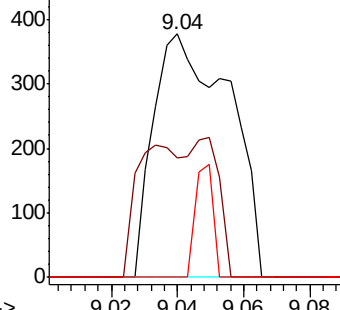
#39  
Methylvlcyclohexane  
Concen: 0.217 ug/l  
RT: 9.04 min Scan# 2260  
Delta R.T. -0.01 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

Tot Ion: 83 Resp: 601  
Ion Ratio Lower Upper  
83 100  
55 49.1 54.2 81.4#  
98 0.0 39.8 59.6#

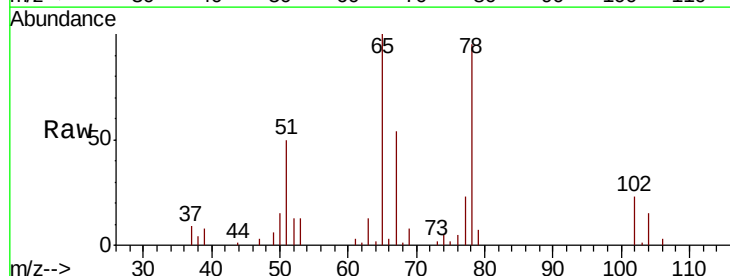


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

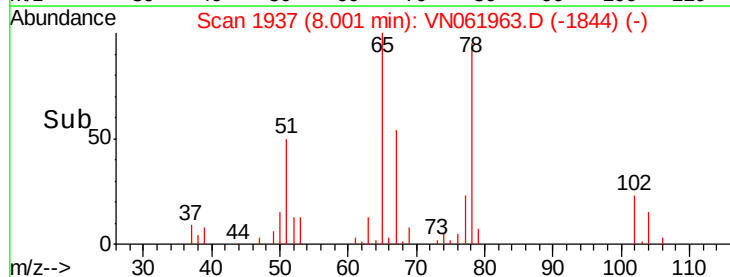
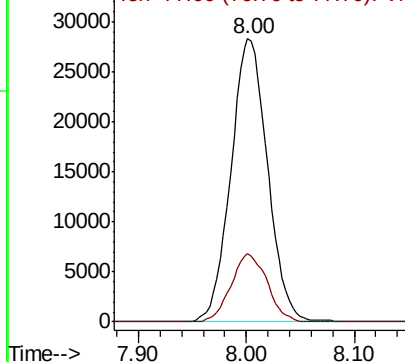


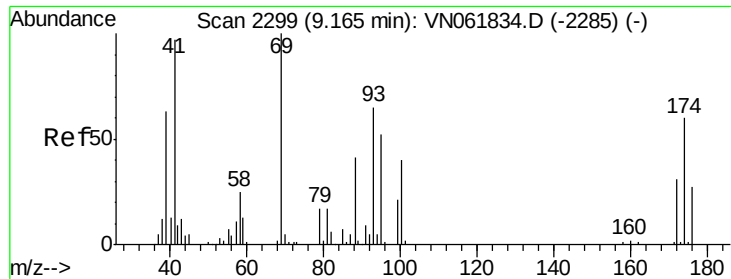
#40  
Benzene  
Concen: 8.609 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion: 78 Resp: 67004  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0

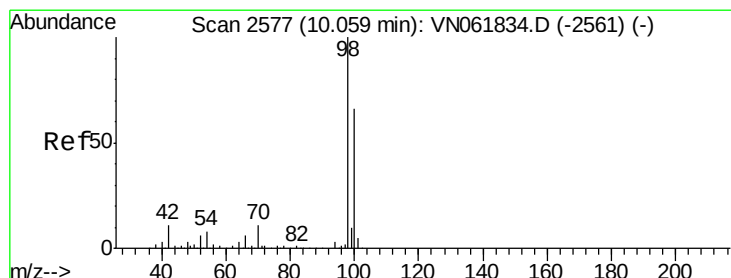
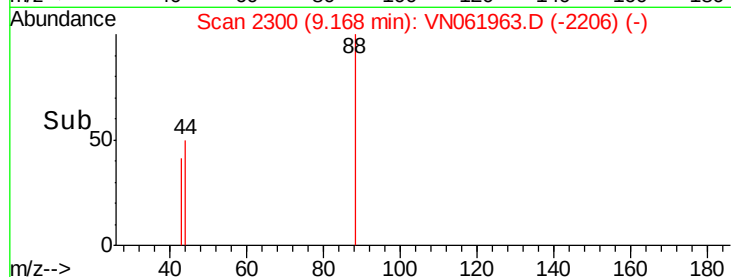
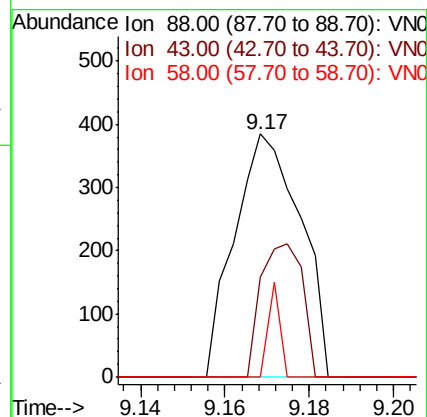
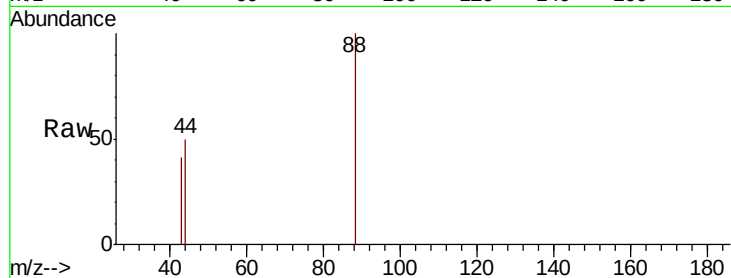




#49  
 1,4-Dioxane  
 Concen: 11.812 ug/l  
 RT: 9.17 min Scan# 2300  
 Delta R.T. 0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

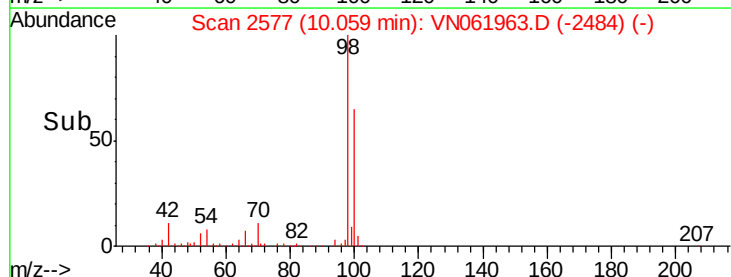
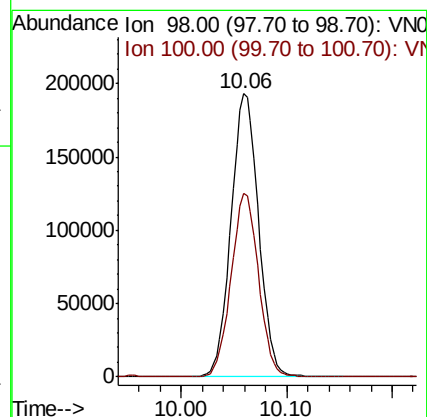
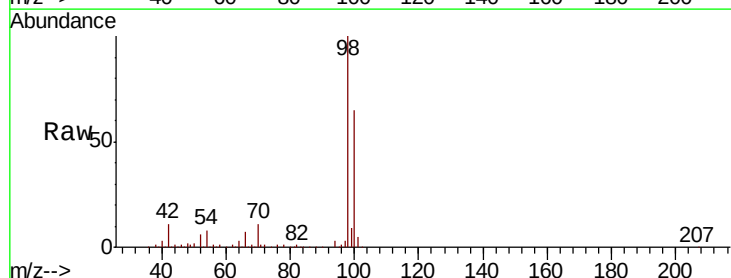
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

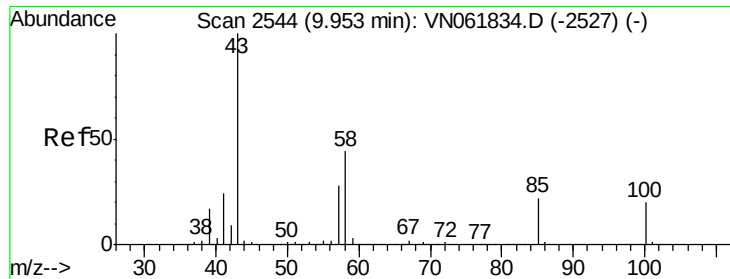
Tot Ion: 88 Resp: 417  
 Ion Ratio Lower Upper  
 88 100  
 43 34.5 23.4 35.2  
 58 7.0 49.8 74.6#



#50  
 Toluene-d8  
 Concen: 49.361 ug/l  
 RT: 10.06 min Scan# 2577  
 Delta R.T. -0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

Tgt Ion: 98 Resp: 349705  
 Ion Ratio Lower Upper  
 98 100  
 100 64.4 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 4.987 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

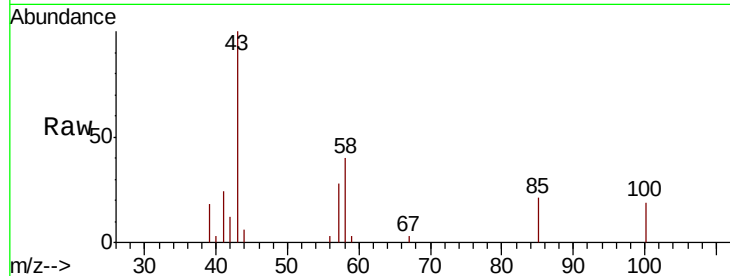
Z1-DUP-0571-200615

Tot Ion: 43 Resp: 9965

Ion Ratio Lower Upper

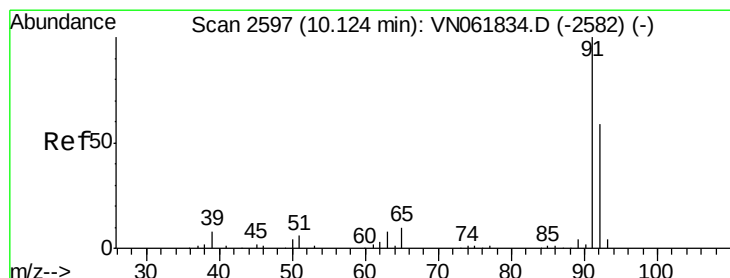
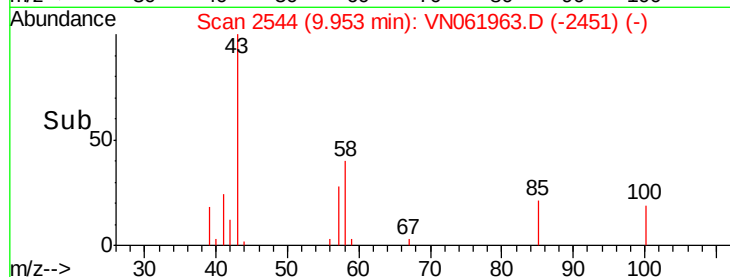
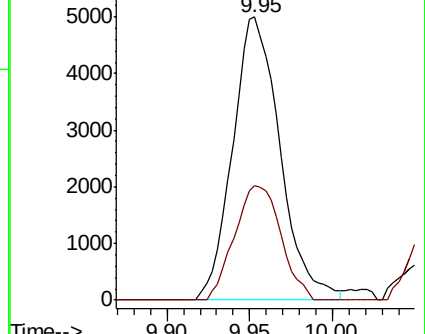
43 100

58 39.3 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)



#52

Toluene

Concen: 2.755 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061963.D

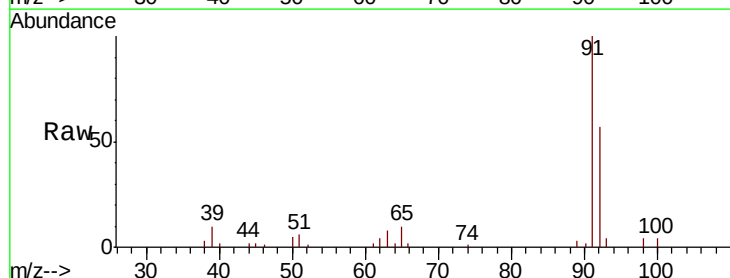
Acq: 19 Jun 2020 19:36

Tgt Ion: 92 Resp: 13468

Ion Ratio Lower Upper

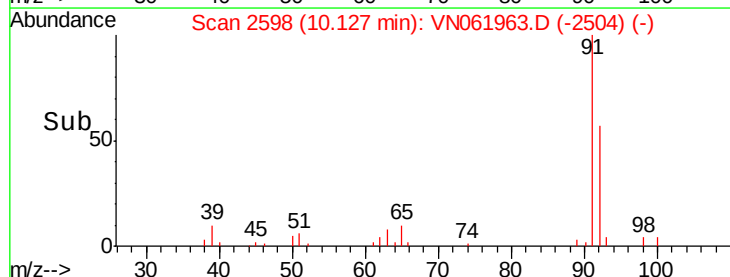
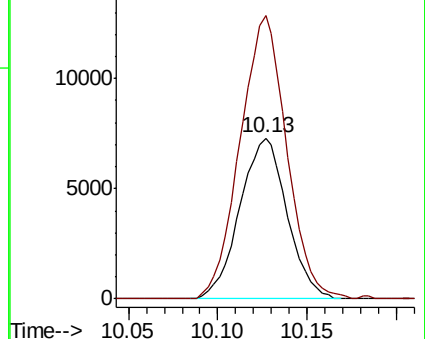
92 100

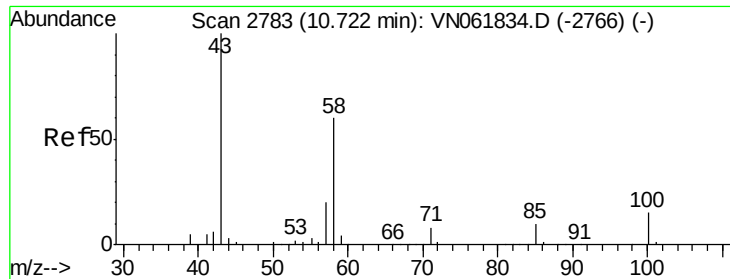
91 174.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

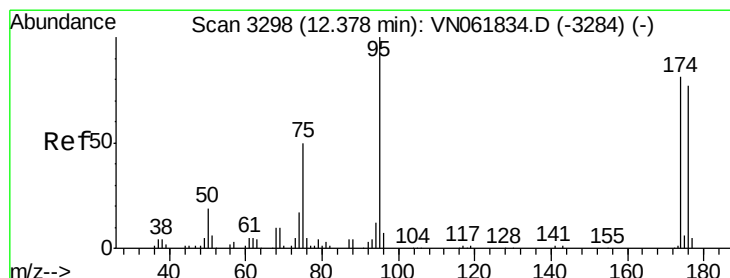
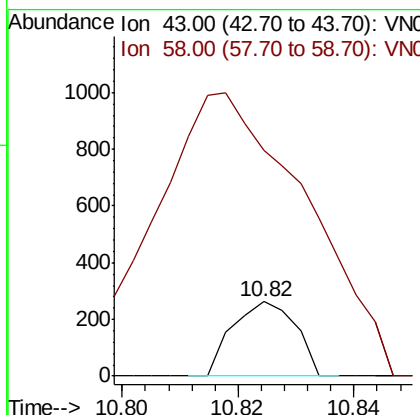
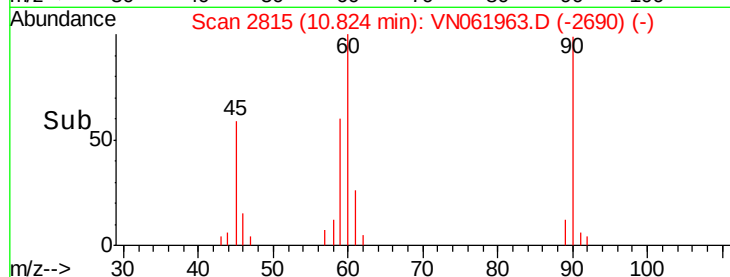
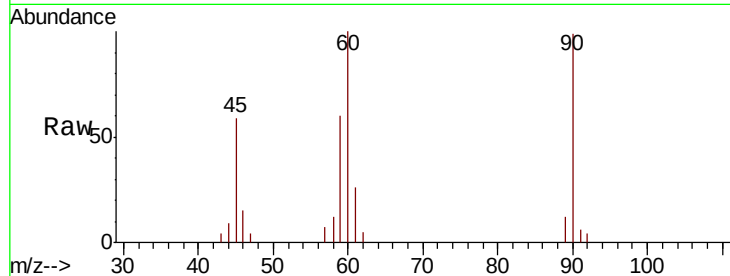




#59  
2-Hexanone  
Concen: 13.524 ug/l  
RT: 10.82 min Scan# 2815  
Delta R.T. 0.10 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

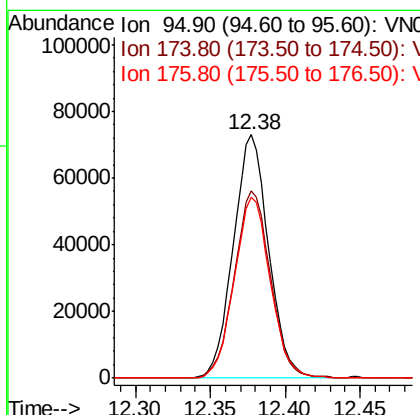
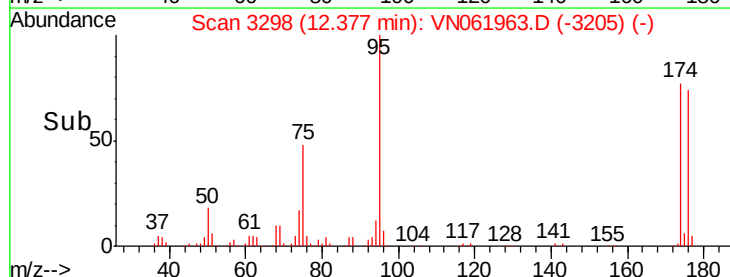
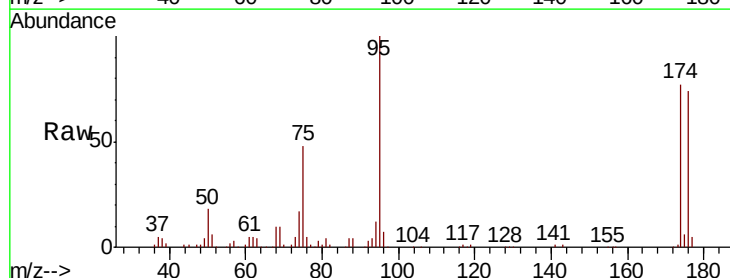
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

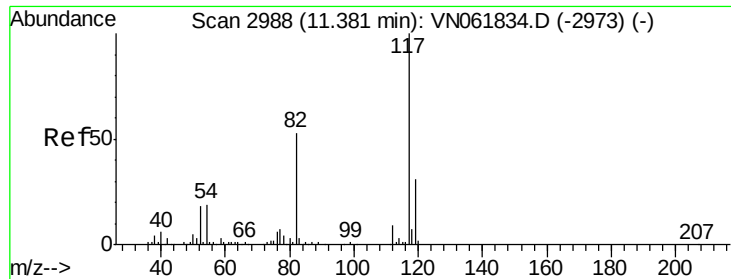
Tot Ion: 43 Resp: 197  
Ion Ratio Lower Upper  
43 100  
58 929.9 30.1 90.5#



#62  
4-Bromofluorobenzene  
Concen: 49.393 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion: 95 Resp: 120030  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 158.6  
176 76.2 0.0 152.0

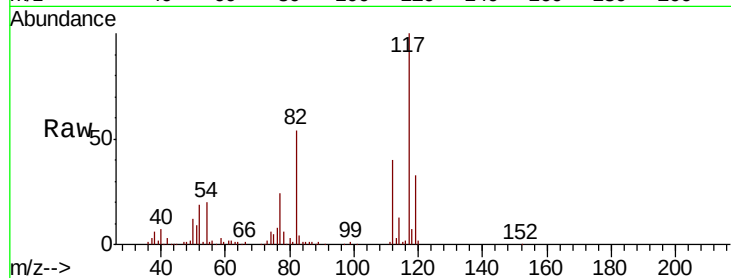




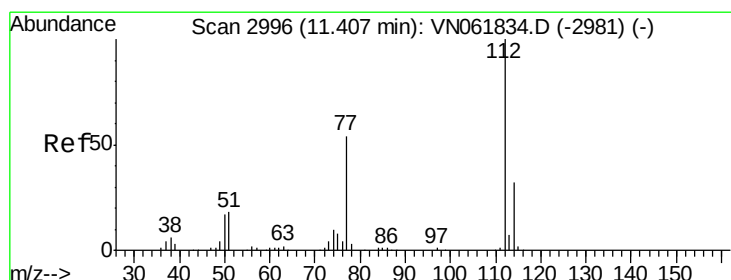
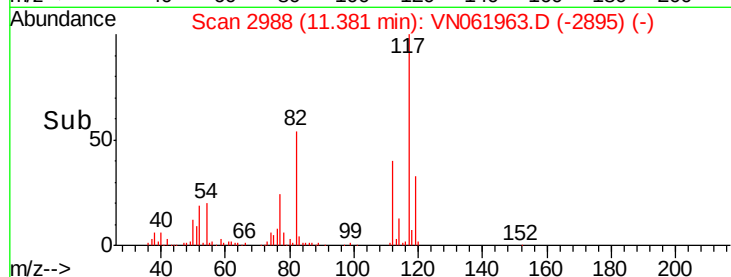
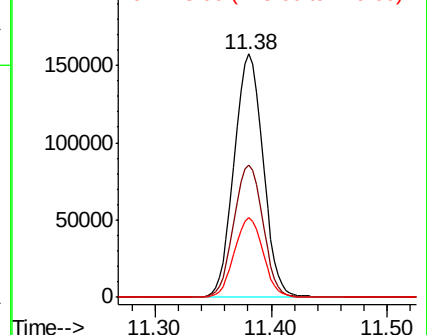
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

Tot Ion:117 Resp: 271908  
Ion Ratio Lower Upper  
117 100  
82 54.5 42.6 64.0  
119 32.5 24.7 37.1

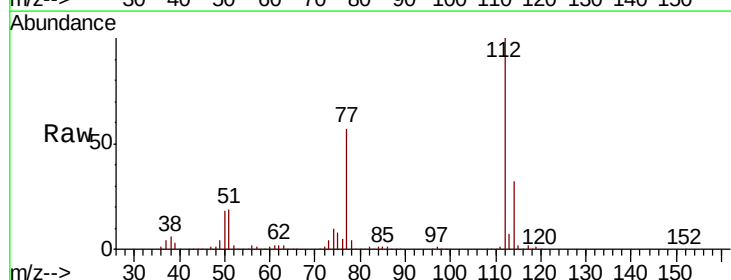


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

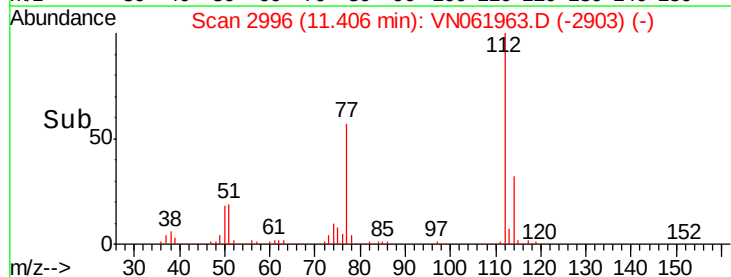
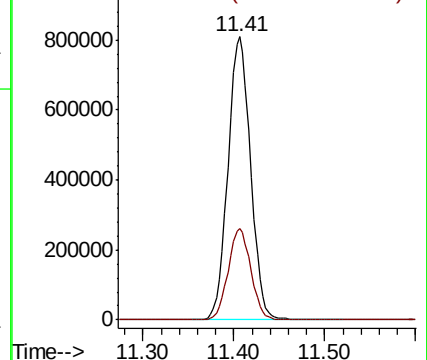


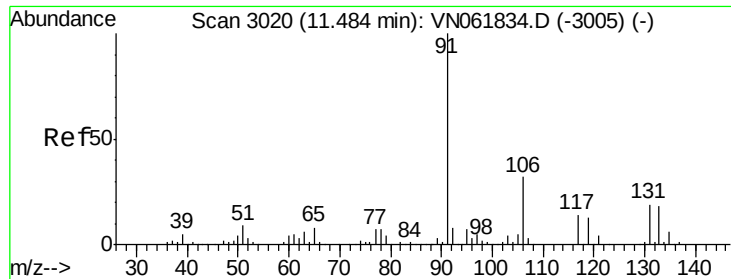
#65  
Chlorobenzene  
Concen: 242.722 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion:112 Resp: 1392614  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.327 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

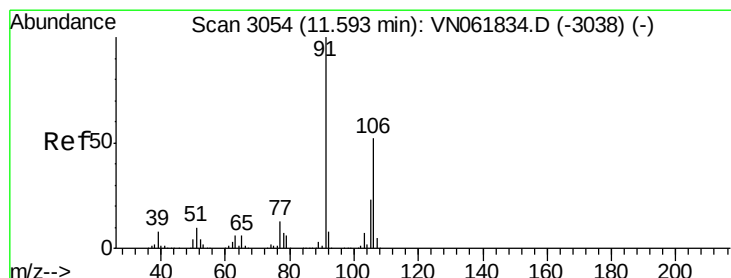
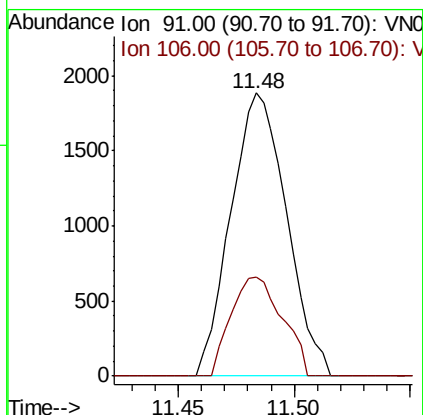
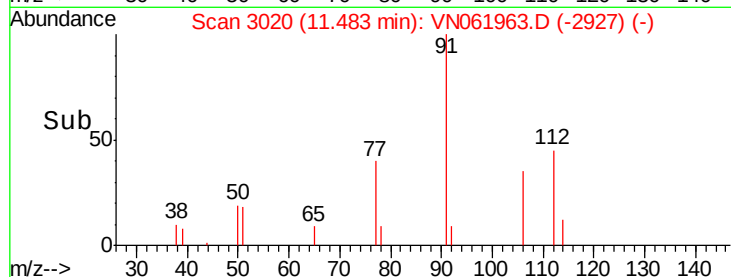
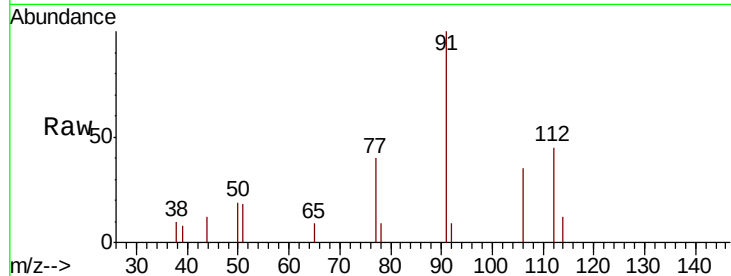
Z1-DUP-0571-200615

Tot Ion: 91 Resp: 3144

Ion Ratio Lower Upper

91 100

106 35.0 25.4 38.2



#68

m/p-Xylenes

Concen: 0.643 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061963.D

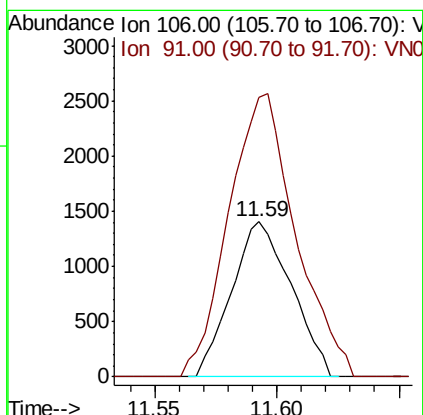
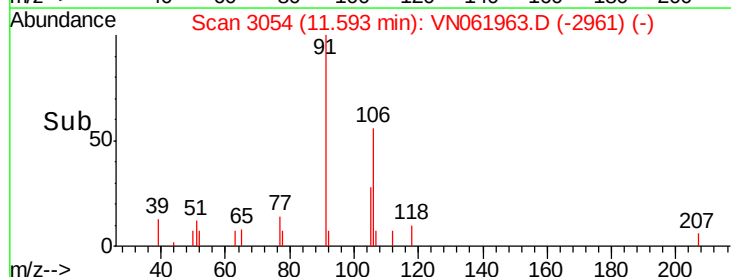
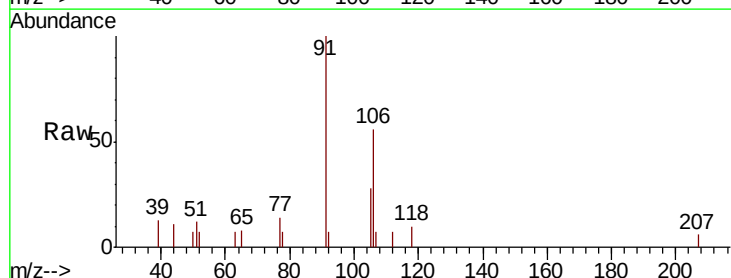
Acq: 19 Jun 2020 19:36

Tgt Ion: 106 Resp: 2386

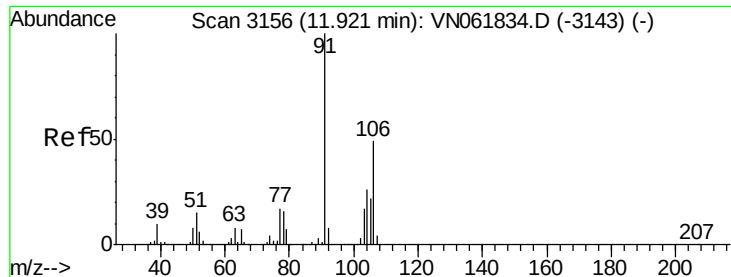
Ion Ratio Lower Upper

106 100

91 204.1 157.0 235.6



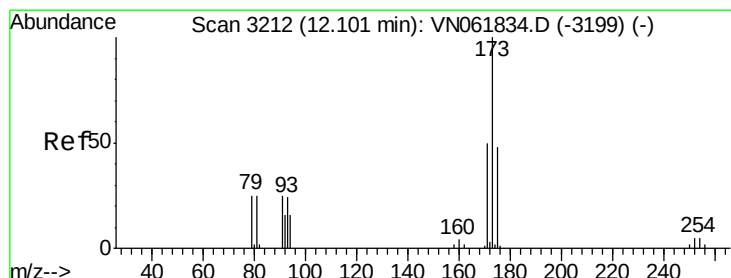
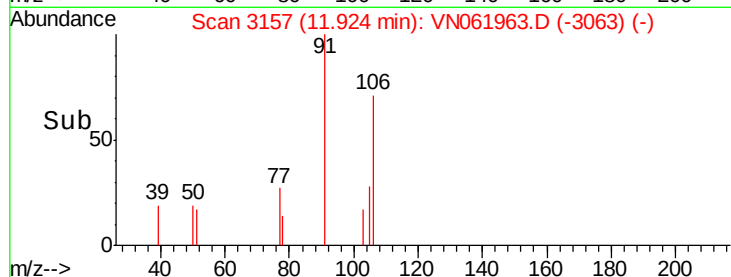
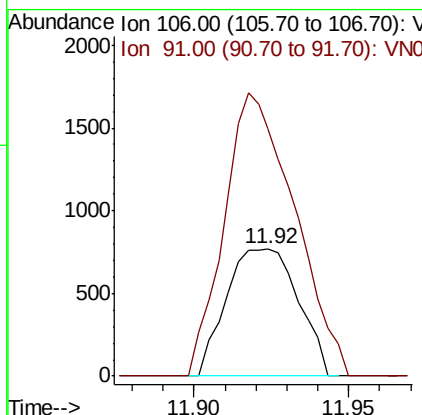
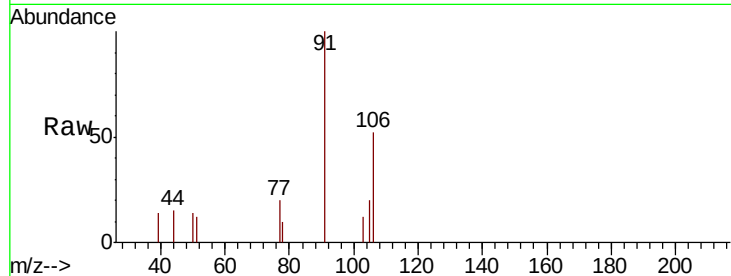




#69  
o-Xylene  
Concen: 0.350 ug/l  
RT: 11.92 min Scan# 3157  
Delta R.T. 0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

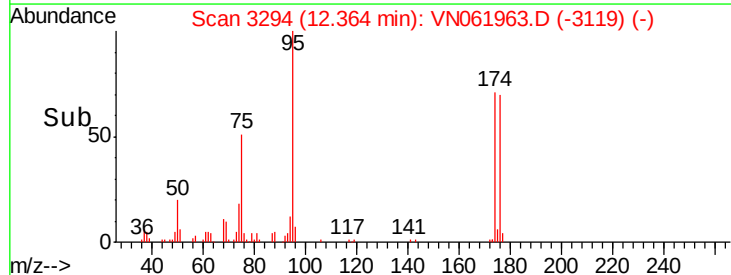
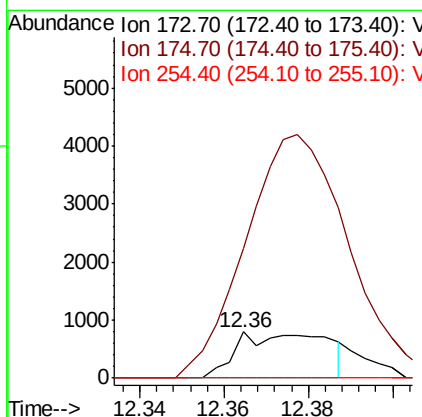
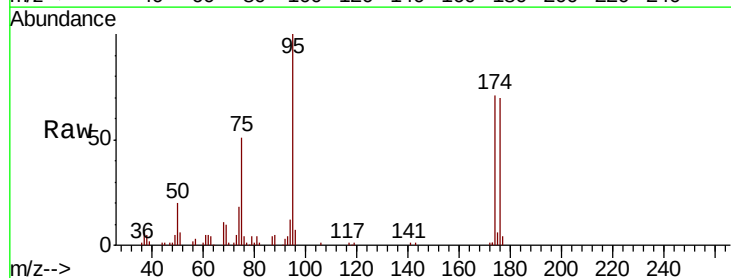
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

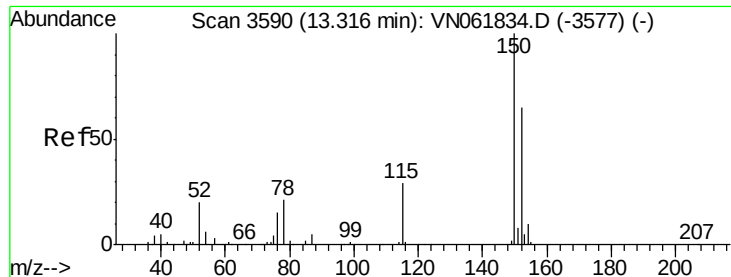
Tot Ion:106 Resp: 1239  
Ion Ratio Lower Upper  
106 100  
91 217.7 103.0 308.9



#71  
Bromoform  
Concen: 0.792 ug/l  
RT: 12.36 min Scan# 3294  
Delta R.T. 0.26 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Tgt Ion:173 Resp: 1156  
Ion Ratio Lower Upper  
173 100  
175 512.3 23.9 71.7#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

MSVOA\_N

ClientSampleId :

Z1-DUP-0571-200615

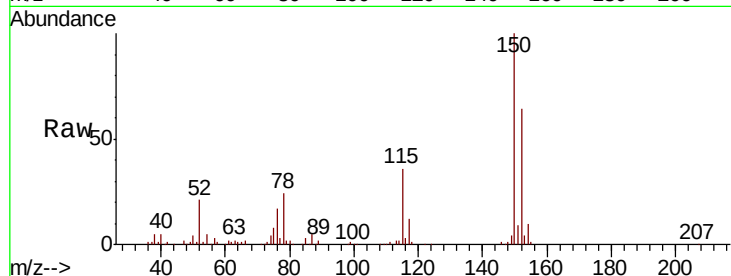
Tot Ion:152 Resp: 108781

Ion Ratio Lower Upper

152 100

115 57.6 29.1 87.3

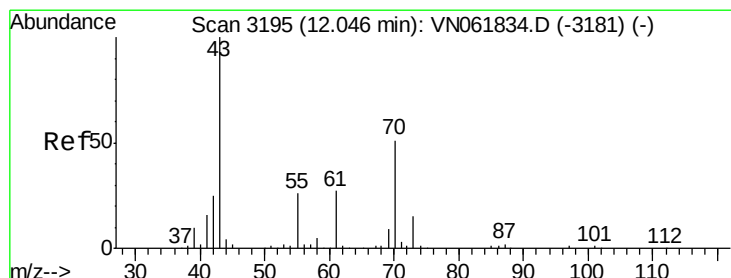
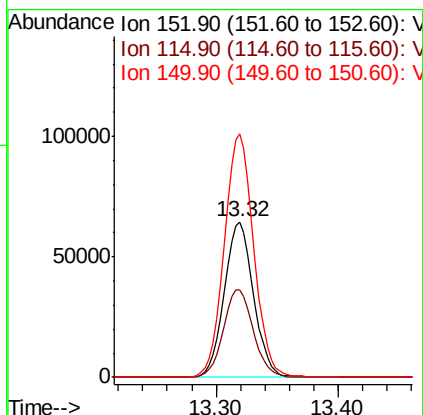
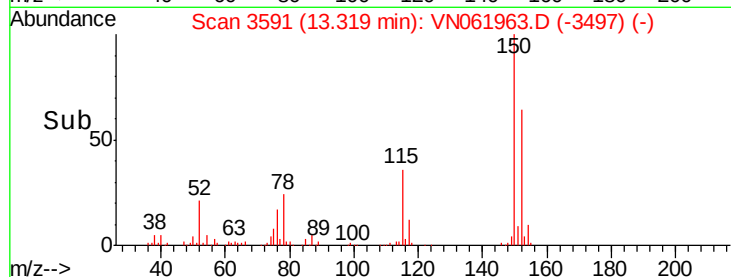
150 156.8 0.0 347.6



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



#74

N-ethyl acetate

Concen: 3.086 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Tgt Ion: 43 Resp: 64

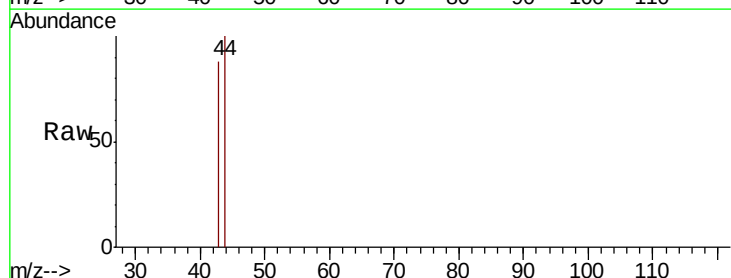
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

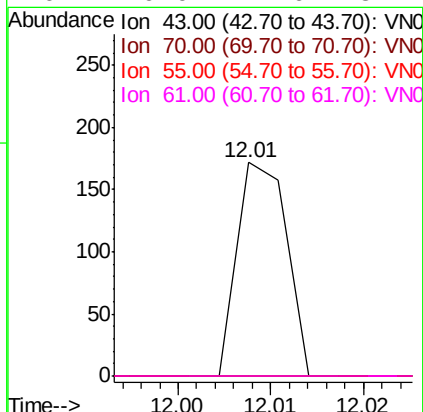
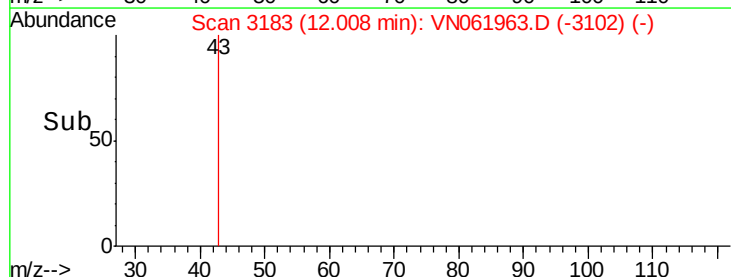


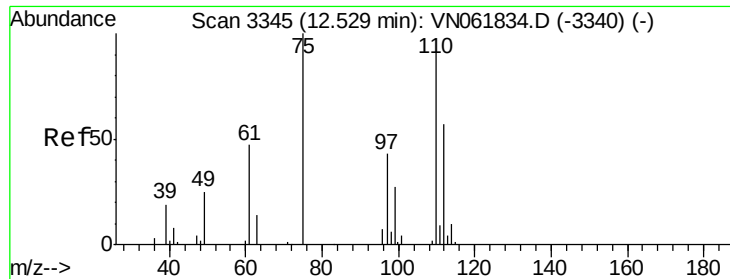
Abundance Ion 43.00 (42.70 to 43.70): V

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

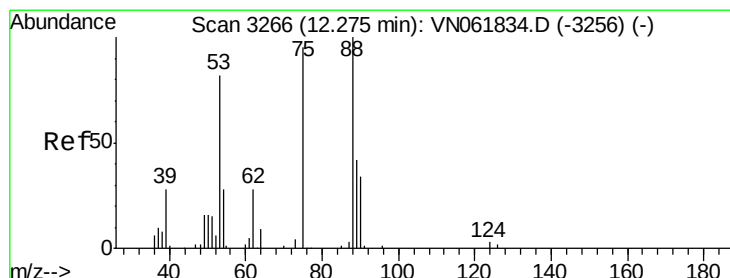
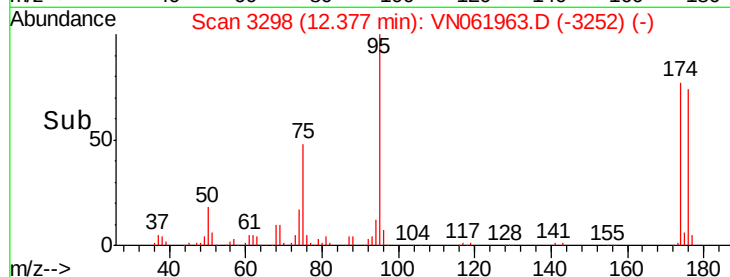
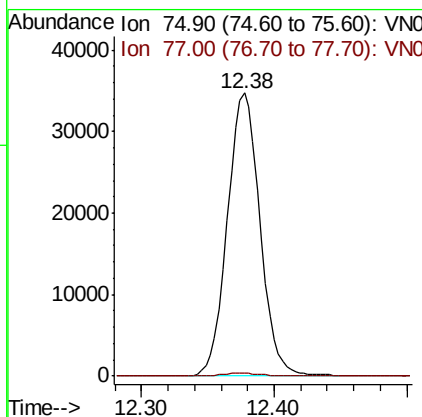
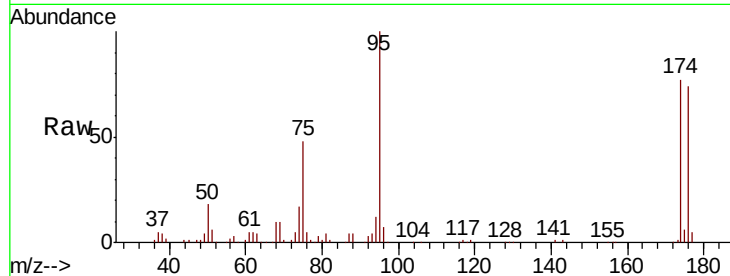




#76  
 1,2,3-Trichloropropane  
 Concen: 27.806 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. -0.15 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

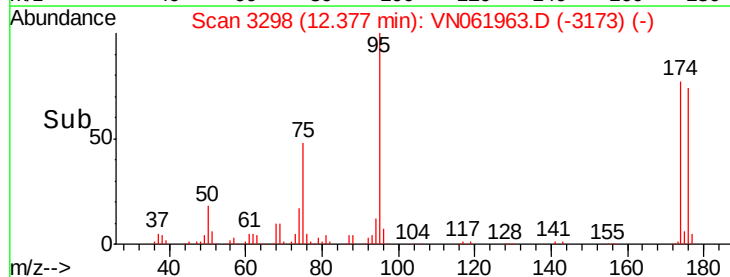
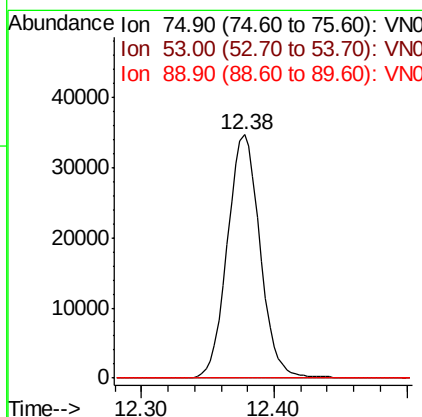
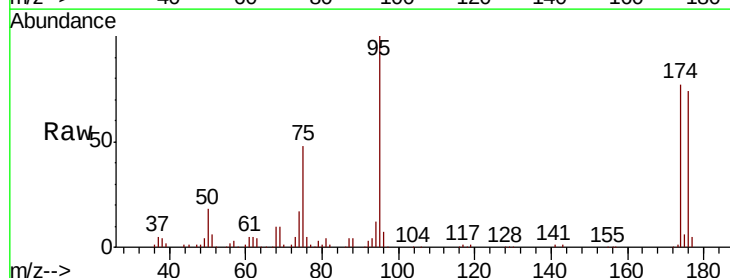
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

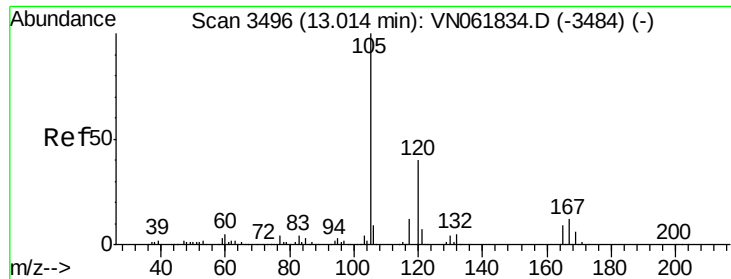
Tot Ion: 75 Resp: 59384  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 75.839 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. 0.10 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

Tgt Ion: 75 Resp: 59384  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.4 105.6#  
 89 0.0 36.0 54.0#

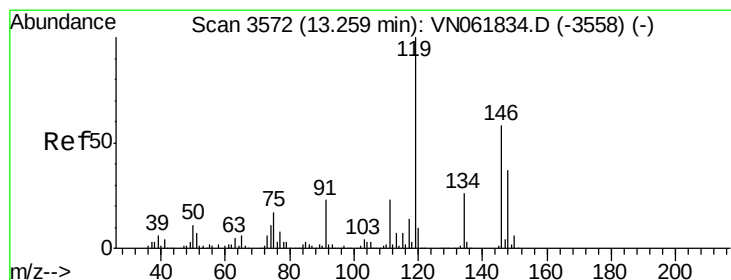
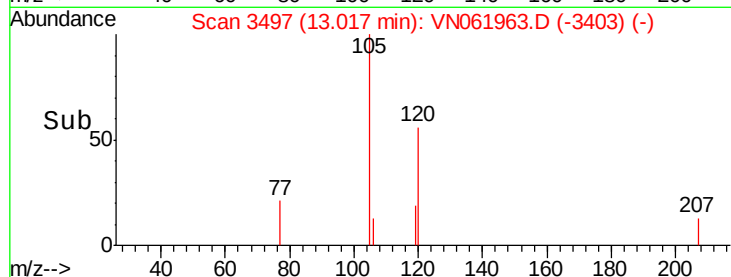
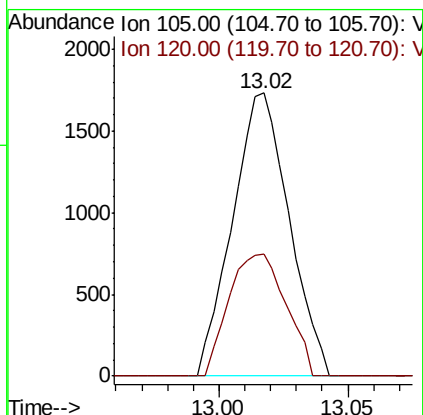
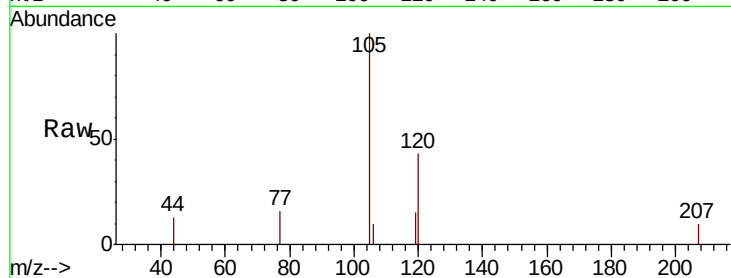




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.420 ug/l  
 RT: 13.02 min Scan# 3497  
 Delta R.T. 0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

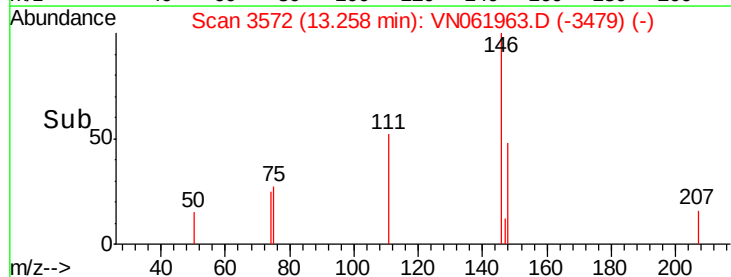
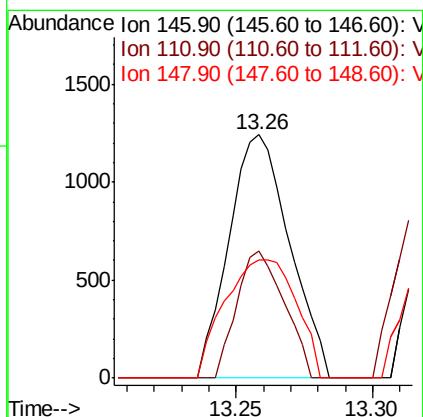
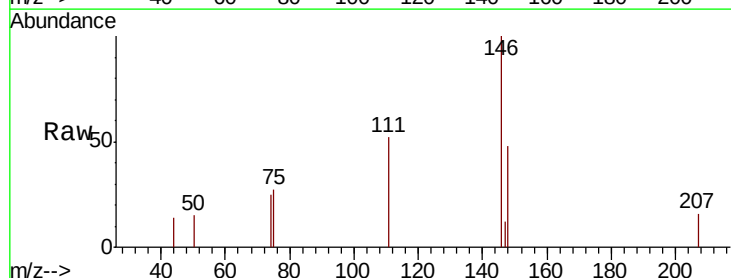
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z1-DUP-0571-200615

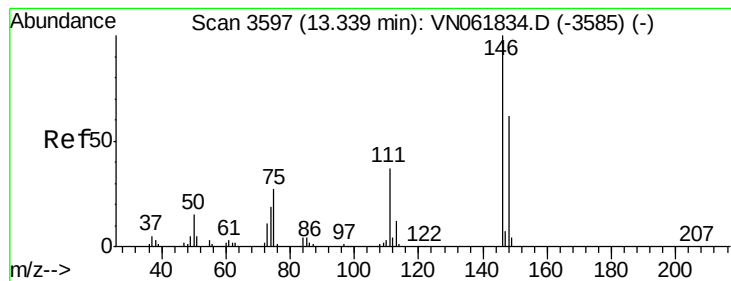
Tot Ion:105 Resp: 2652  
 Ion Ratio Lower Upper  
 105 100  
 120 43.5 23.3 69.9



#87  
 1,3-Dichlorobenzene  
 Concen: 0.538 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN061963.D  
 Acq: 19 Jun 2020 19:36

Tgt Ion:146 Resp: 1915  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 19.6 58.8  
 148 57.2 31.8 95.4





#88

1,4-Dichlorobenzene

Concen: 2.442 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Instrument :

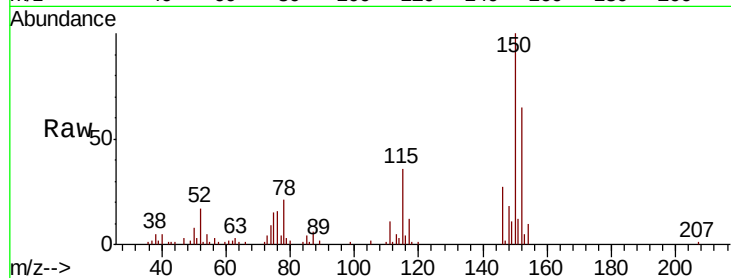
MSVOA\_N

ClientSampleId :

Z1-DUP-0571-200615

Tot Ion:146 Resp: 8892

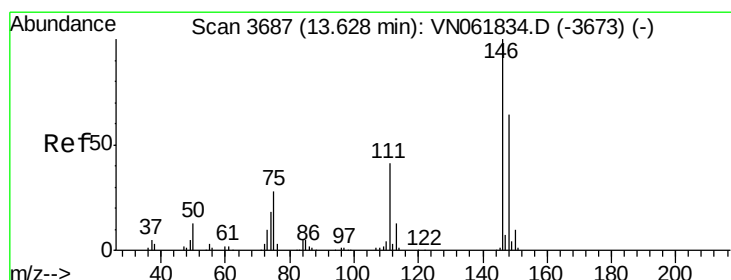
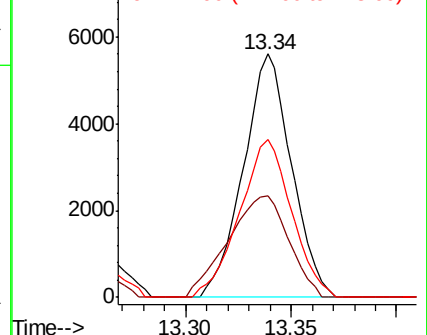
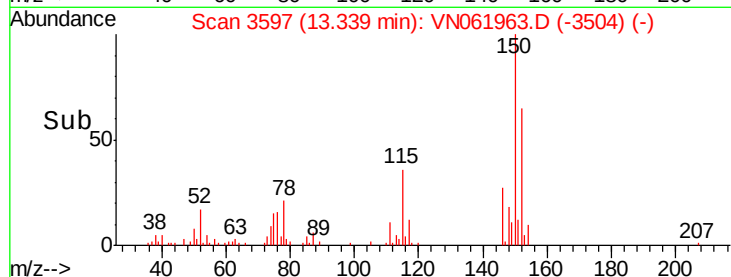
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 52.5  | 19.3  | 57.8  |
| 148 | 70.1  | 31.6  | 94.7  |



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



#91

1,2-Dichlorobenzene

Concen: 4.187 ug/l

RT: 13.63 min Scan# 3687

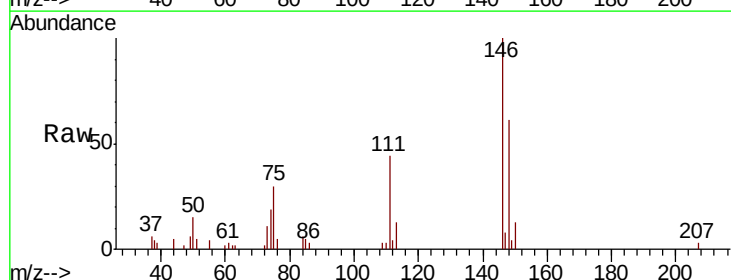
Delta R.T. -0.00 min

Lab File: VN061963.D

Acq: 19 Jun 2020 19:36

Tgt Ion:146 Resp: 14336

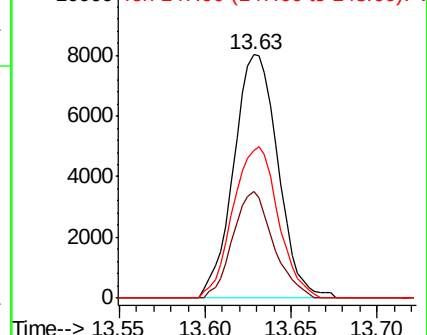
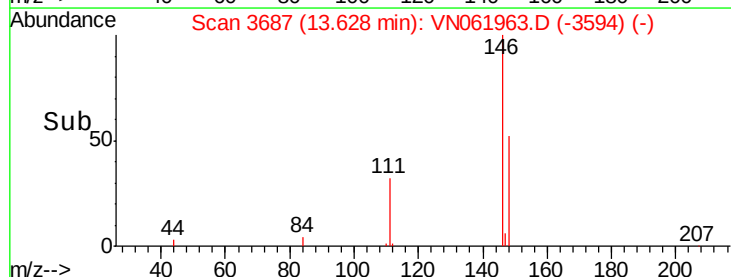
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 40.1  | 20.4  | 61.2  |
| 148 | 63.3  | 31.8  | 95.4  |

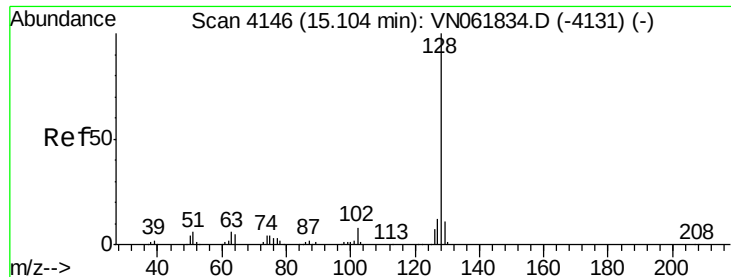


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95  
Naphthalene  
Concen: 6.072 ug/l  
RT: 15.11 min Scan# 4147  
Delta R.T. 0.00 min  
Lab File: VN061963.D  
Acq: 19 Jun 2020 19:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z1-DUP-0571-200615

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.3  | 10.3  | 15.5  |
| 129     | 10.6  | 8.6   | 13.0  |

