

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\  
 Data File : VN053641.D  
 Acq On : 6 Feb 2019 18:03  
 Operator : JC/SP  
 Sample : K1356-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-01-020519-B

Quant Time: Feb 07 03:44:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 792688   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1261845  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1158890  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 492834   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 406892   | 51.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.34% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 402732   | 50.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.02% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1529403  | 51.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.18% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 514832   | 51.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.12% |          |

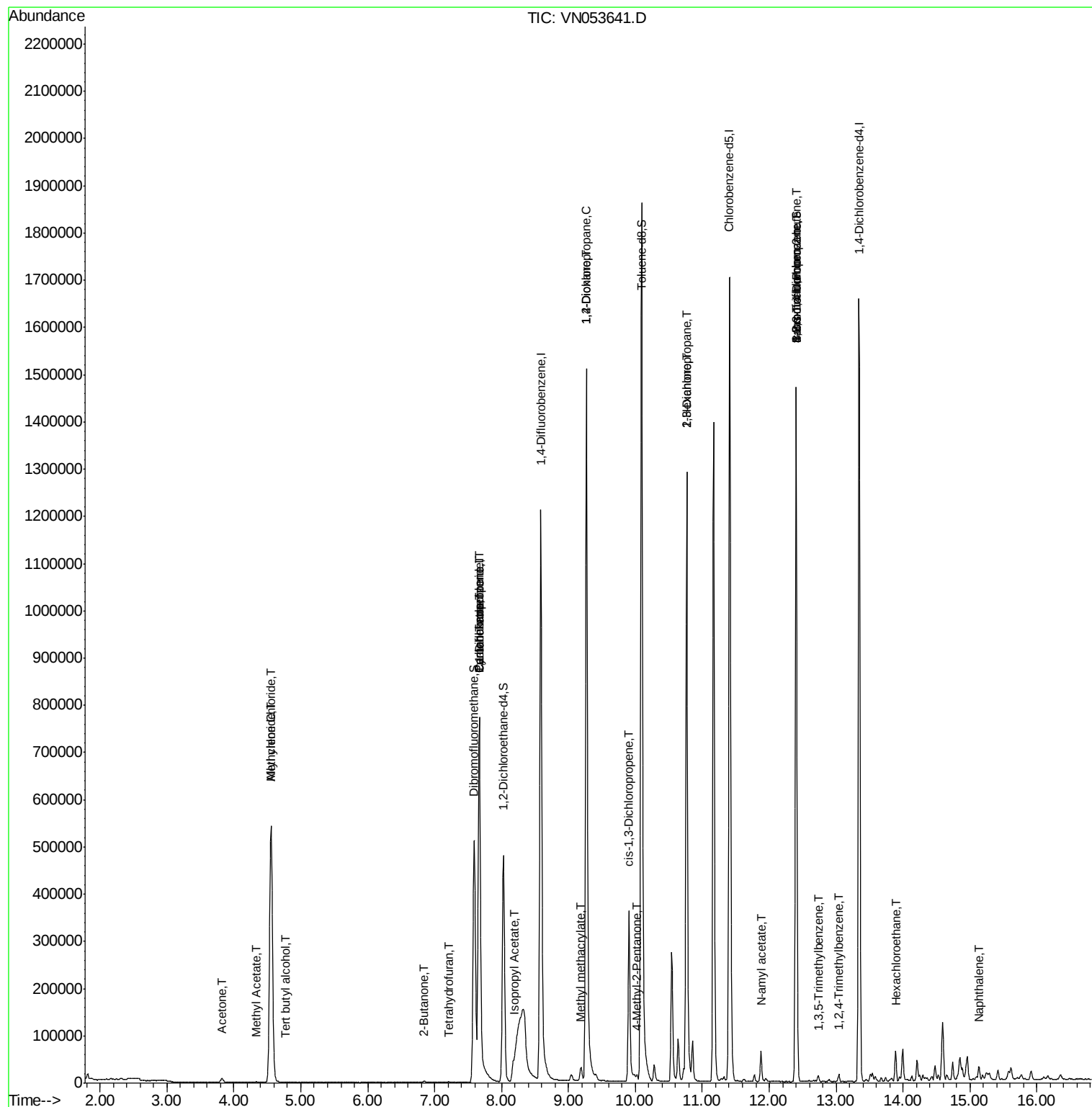
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 11) Tert butyl alcohol         | 4.78  | 59   | 229      | 0.487   | ug/l # | 72     |
| 14) Allyl chloride             | 4.55  | 41   | 16106    | 1.378   | ug/l # | 27     |
| 16) Acetone                    | 3.82  | 43   | 16775    | 8.224   | ug/l   | 100    |
| 18) Methyl Acetate             | 4.33  | 43   | 3357     | 0.556   | ug/l # | 76     |
| 20) Methylene Chloride         | 4.55  | 84   | 434257   | 50.745  | ug/l   | 99     |
| 25) 2-Butanone                 | 6.85  | 43   | 5354     | 1.840   | ug/l # | 84     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 884      | 0.473   | ug/l # | 77     |
| 31) Cyclohexane                | 7.67  | 56   | 11177    | 0.664   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 45555    | 4.005   | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 62839    | 5.484   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.18  | 43   | 41523    | 3.384   | ug/l # | 77     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1965     | 0.219   | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 11653    | 1.990   | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 225      | 41.646  | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 9400     | 1.559   | ug/l # | 34     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 78803    | 5.906   | ug/l # | 59     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 14754    | 1.151   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 193601   | 47.303  | ug/l # | 50     |
| 71) Bromoform                  | 12.40 | 173  | 3483     | 0.591   | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 20215    | 2.426   | ug/l # | 51     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 233989   | 36.964  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 6021     | 0.210   | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 233989   | 103.940 | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 9936     | 0.339   | ug/l   | 100    |
| 90) Hexachloroethane           | 13.89 | 117  | 3892     | 0.781   | ug/l # | 3      |
| 95) Naphthalene                | 15.14 | 128  | 26286    | 2.908   | ug/l   | 97     |

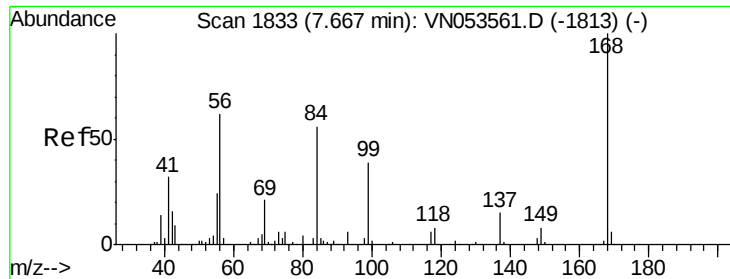
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

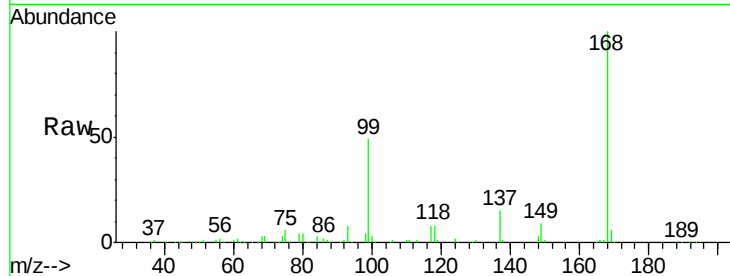
SU-01-020519-B

Tot Ion:168 Resp: 792688

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

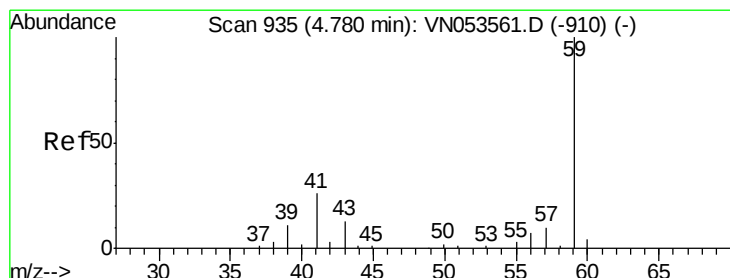
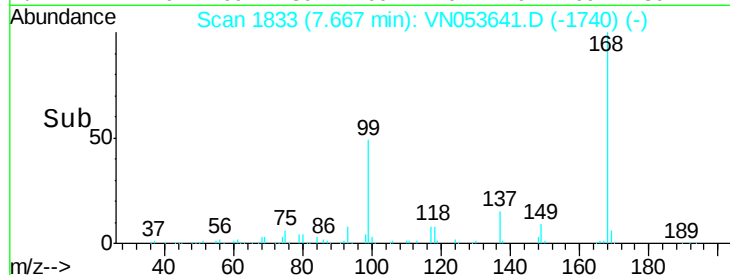
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.487 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053641.D

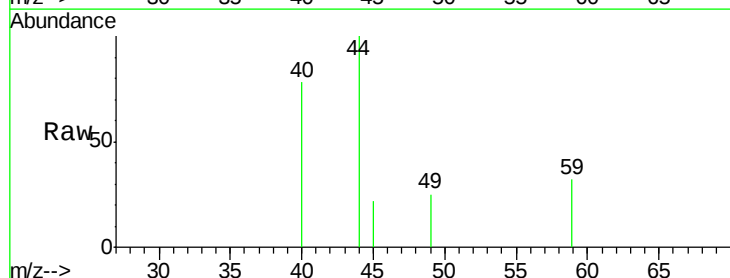
Acq: 6 Feb 2019 18:03

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

250

200

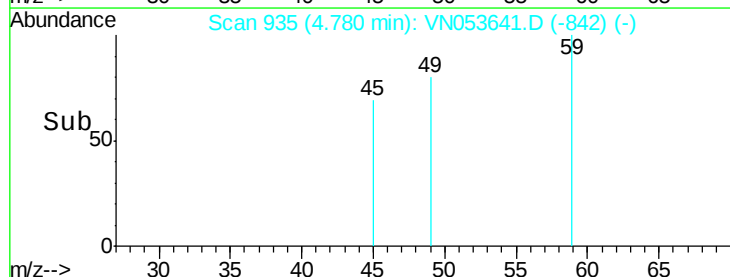
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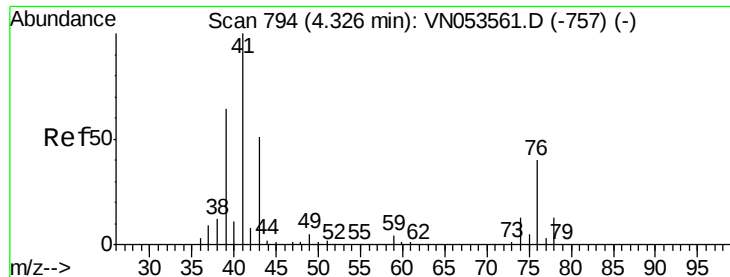
100

50

0

Time-->

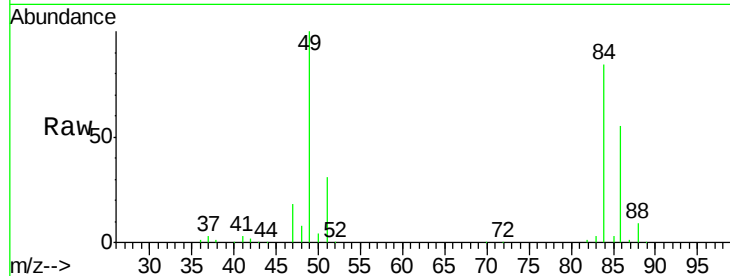




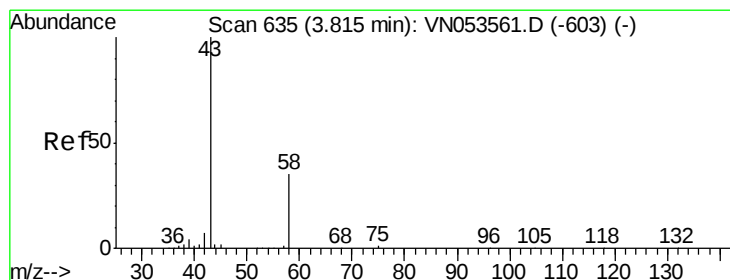
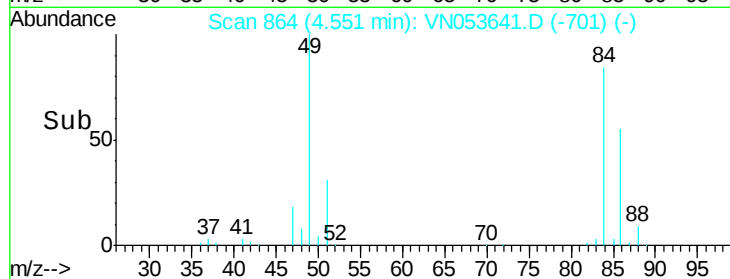
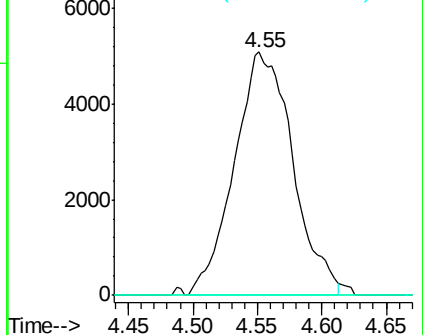
#14  
Allvl chloride  
Concen: 1.378 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.23 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-01-020519-B

Tot Ion: 41 Resp: 16106  
Ion Ratio Lower Upper  
41 100  
39 0.0 48.9 73.3#  
76 0.0 29.4 44.2#

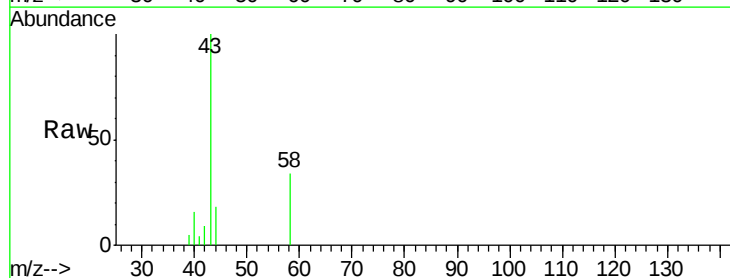


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 75.90 (75.60 to 76.60): VNO

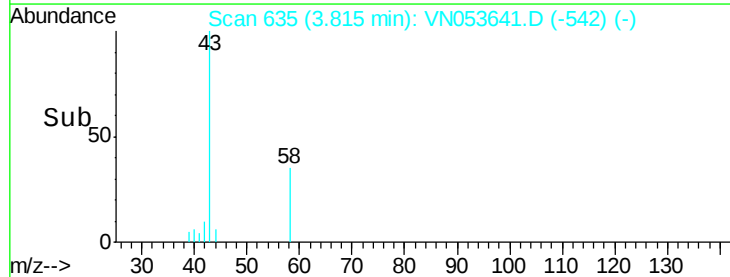
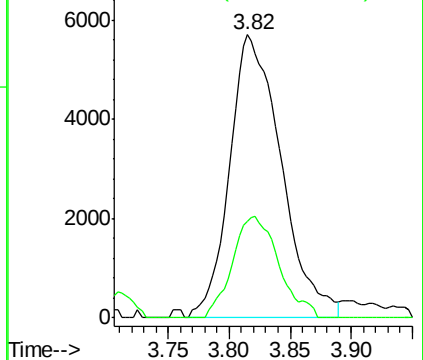


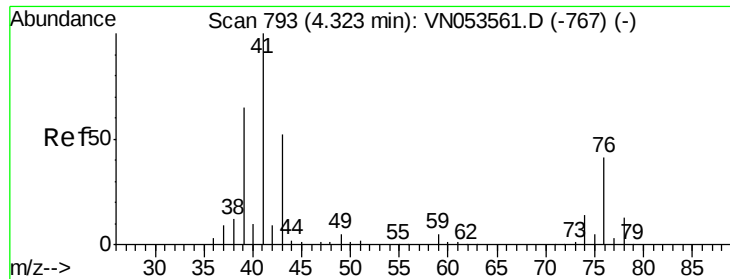
#16  
Acetone  
Concen: 8.224 ug/l  
RT: 3.82 min Scan# 635  
Delta R.T. 0.00 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion: 43 Resp: 16775  
Ion Ratio Lower Upper  
43 100  
58 34.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO

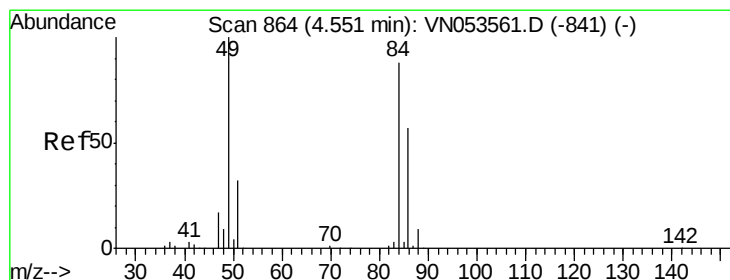
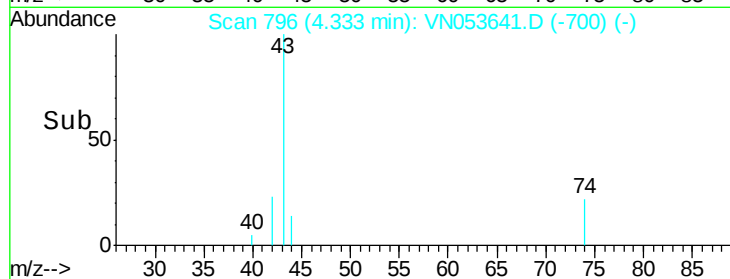
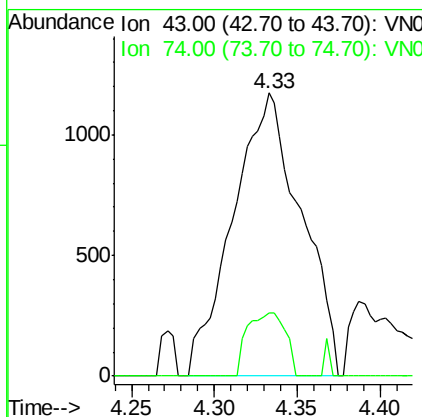
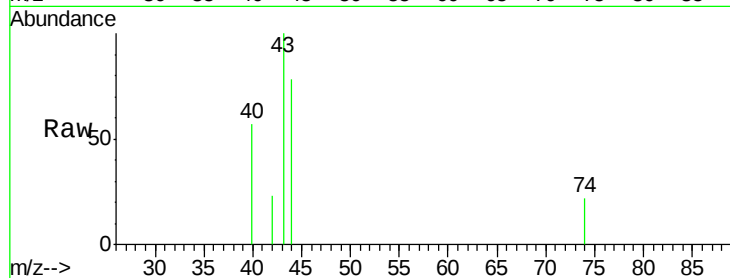




#18  
Methyl Acetate  
Concen: 0.556 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

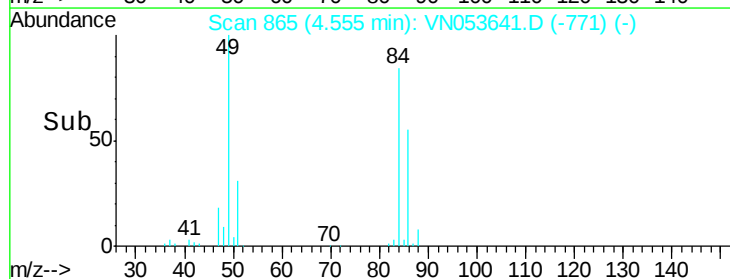
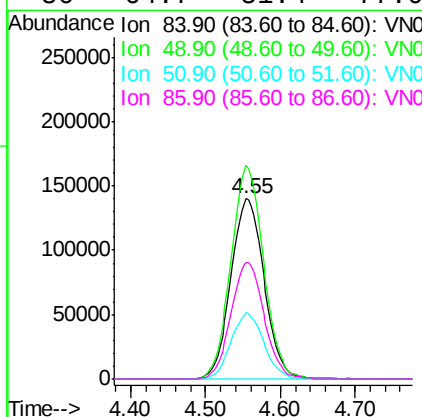
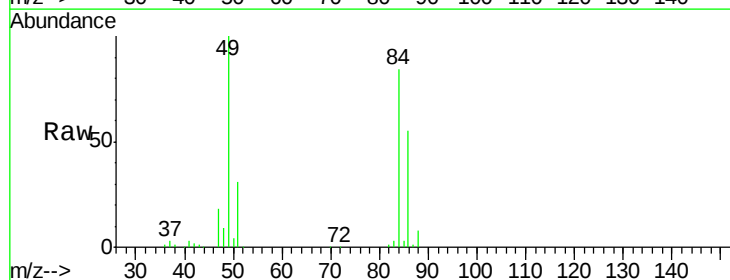
Instrument :  
MSVOA\_N  
ClientSampled :  
SU-01-020519-B

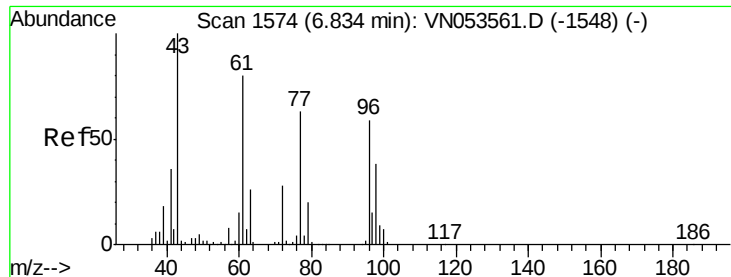
Tot Ion: 43 Resp: 3357  
Ion Ratio Lower Upper  
43 100  
74 12.5 19.4 29.2#



#20  
Methylene Chloride  
Concen: 50.745 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion: 84 Resp: 434257  
Ion Ratio Lower Upper  
84 100  
49 118.6 94.3 141.5  
51 36.8 29.4 44.2  
86 64.7 51.4 77.0

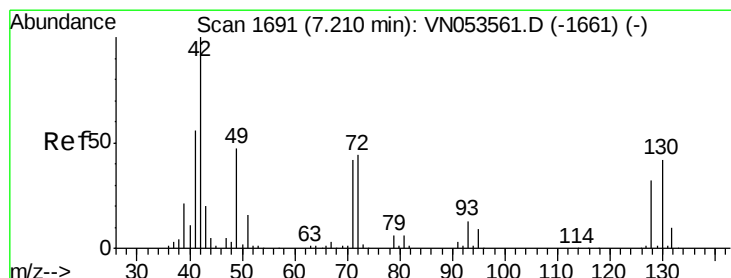
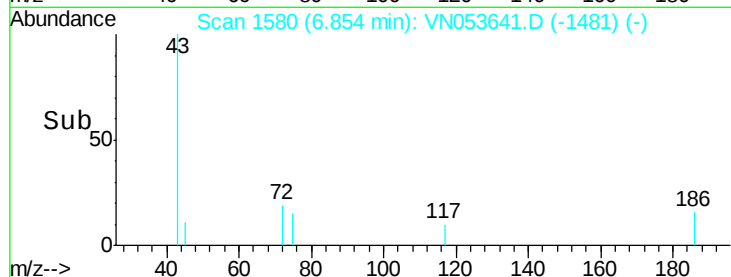
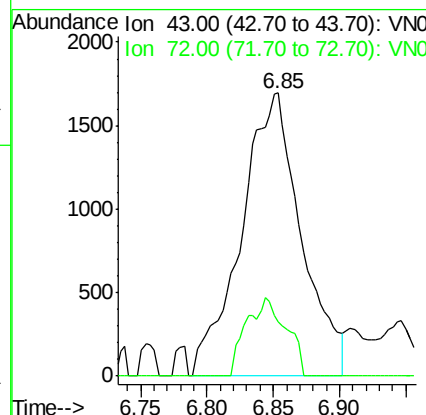
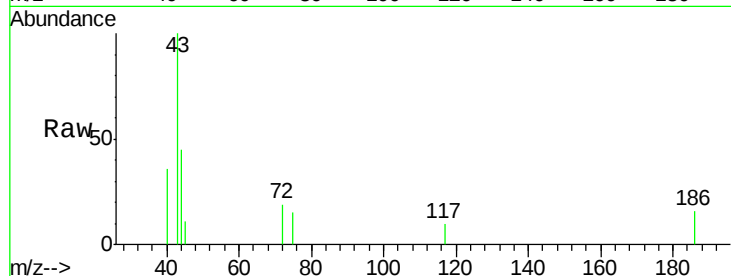




#25  
2-Butanone  
Concen: 1.840 ug/l  
RT: 6.85 min Scan# 1580  
Delta R.T. 0.02 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

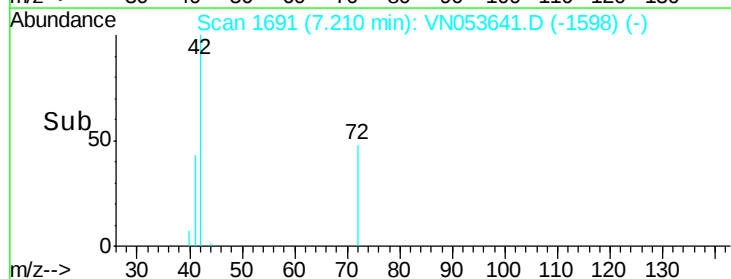
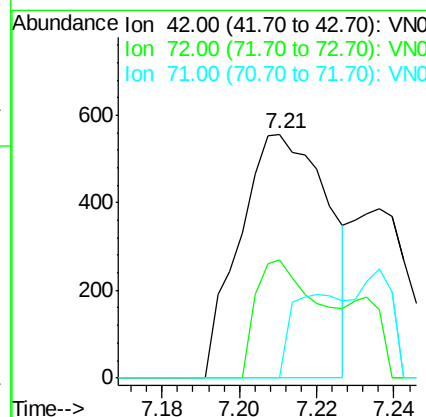
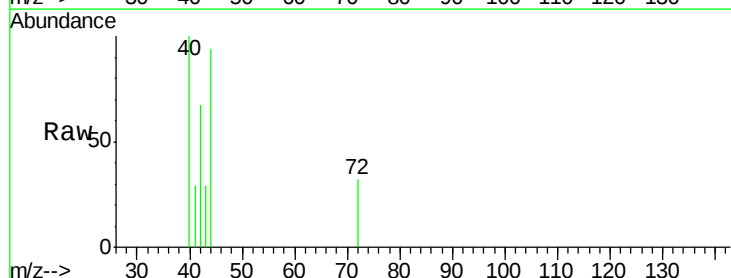
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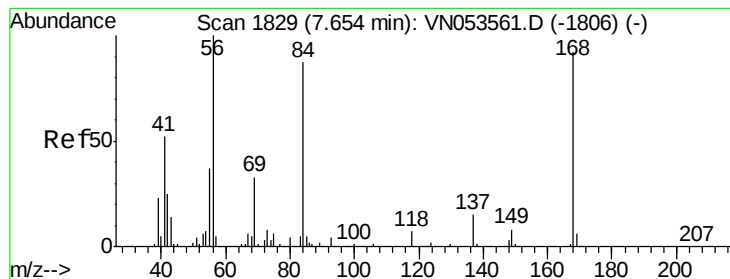
Tot Ion: 43 Resp: 5354  
Ion Ratio Lower Upper  
43 100  
72 19.0 22.0 33.0#



#29  
Tetrahydrofuran  
Concen: 0.473 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion: 42 Resp: 884  
Ion Ratio Lower Upper  
42 100  
72 35.5 35.2 52.8  
71 19.9 33.0 49.4#





#31

Cyclohexane

Concen: 0.664 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

SU-01-020519-B

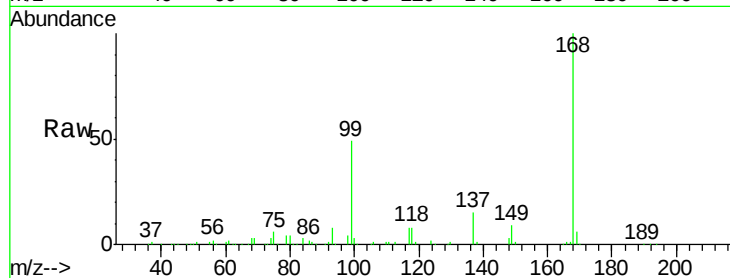
Tot Ion: 56 Resp: 11177

Ion Ratio Lower Upper

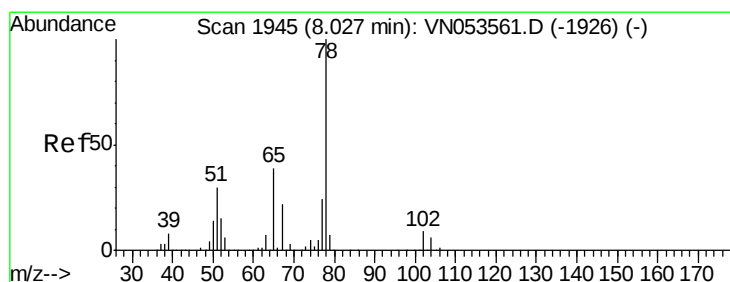
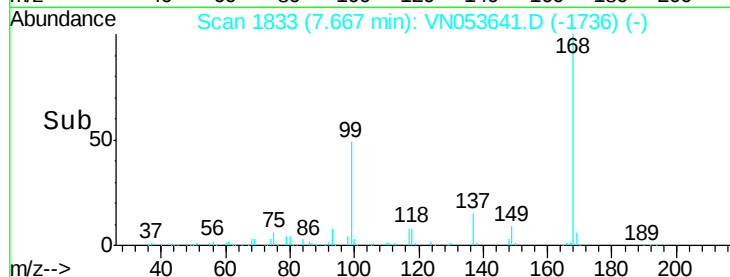
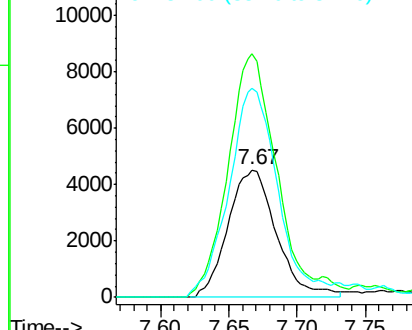
56 100

69 187.3 26.4 39.6#

84 159.8 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053641.D

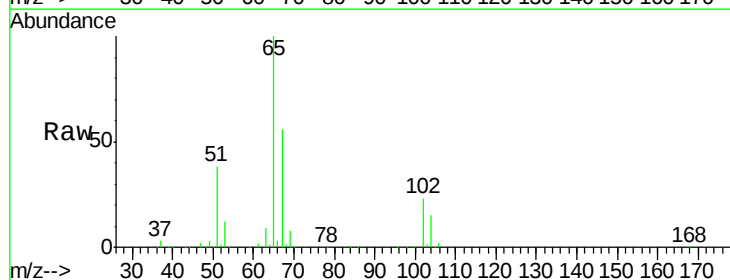
Acq: 6 Feb 2019 18:03

Tgt Ion: 65 Resp: 406892

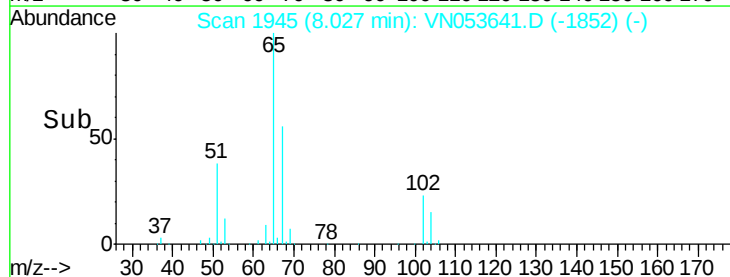
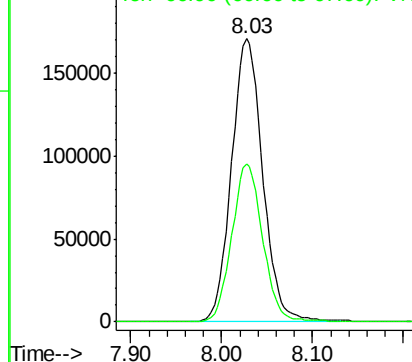
Ion Ratio Lower Upper

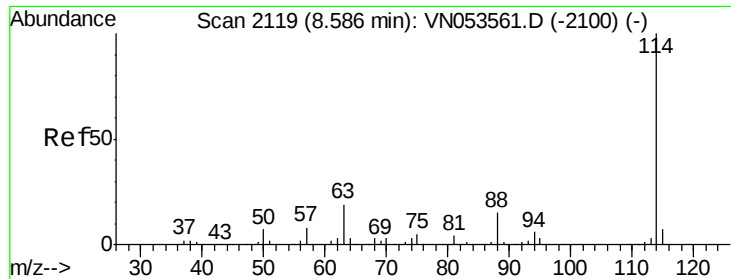
65 100

67 55.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC  
Ion 66.90 (66.60 to 67.60): VNC

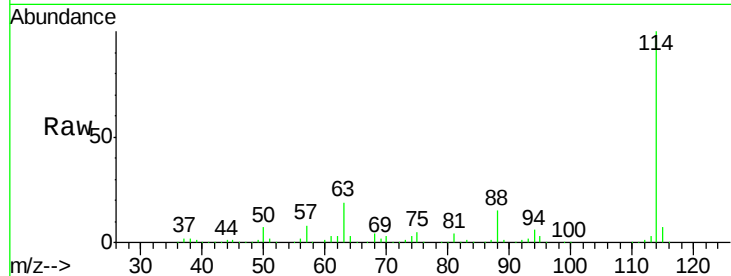




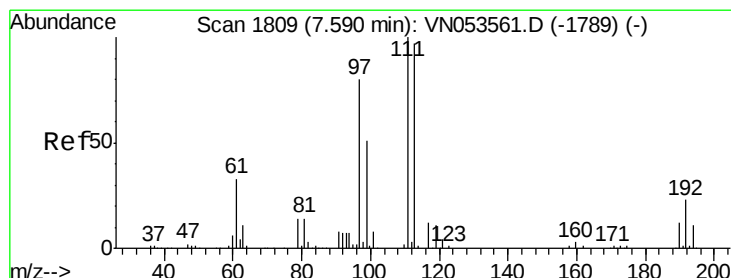
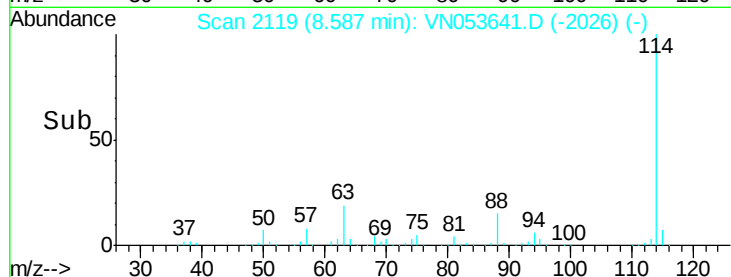
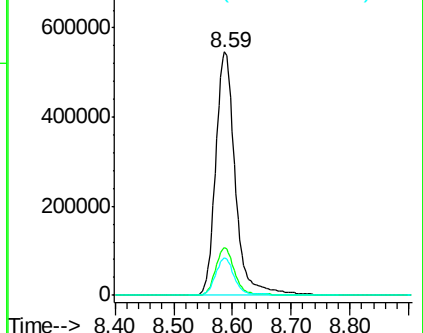
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053641.D  
 Acq: 6 Feb 2019 18:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-01-020519-B

Tot Ion:114 Resp: 1261845  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.6  
 88 15.3 0.0 30.4

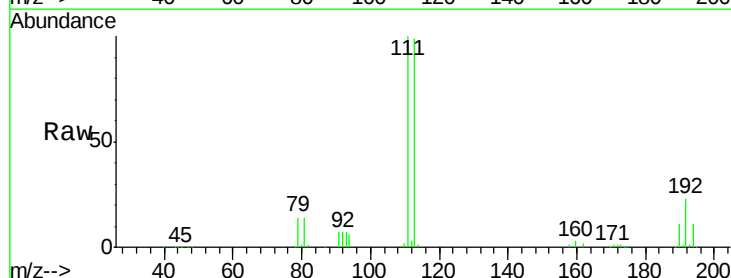


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

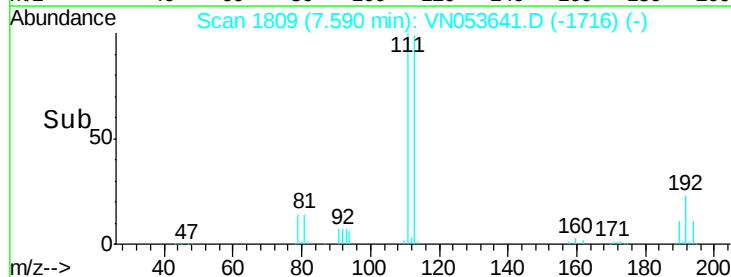
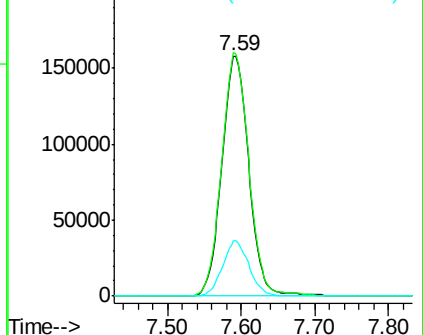


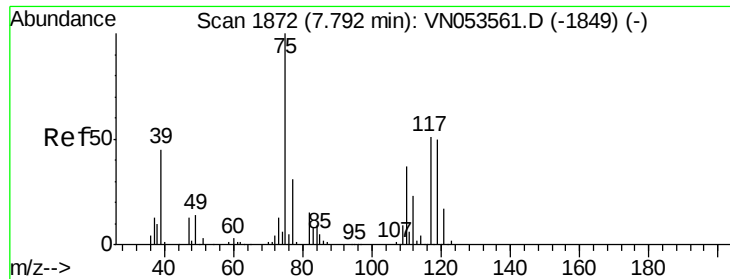
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053641.D  
 Acq: 6 Feb 2019 18:03

Tgt Ion:113 Resp: 402732  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.1 121.7  
 192 22.6 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.005 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

SU-01-020519-B

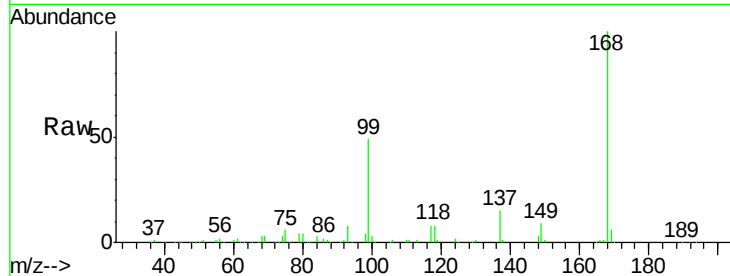
Tot Ion: 75 Resp: 45555

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

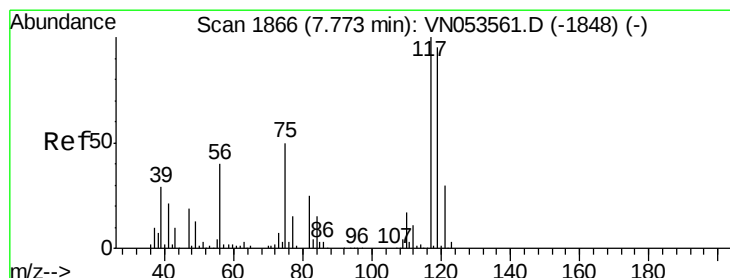
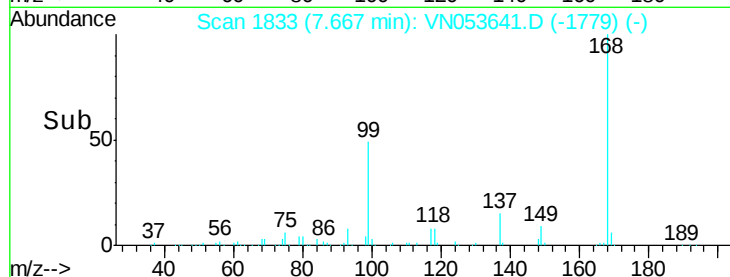
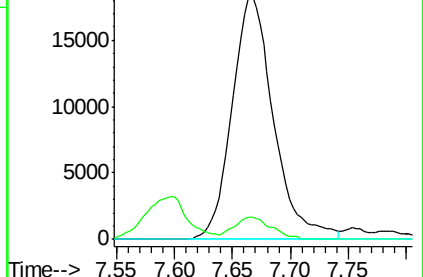
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053561.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053561.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

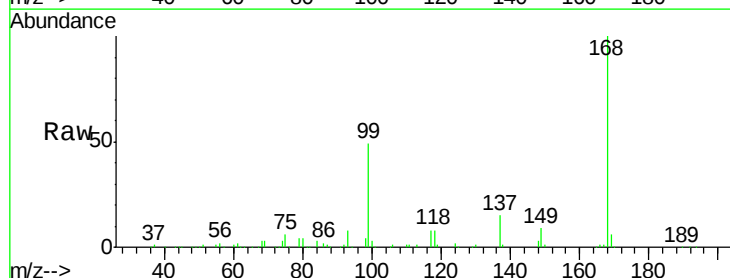
Tgt Ion: 117 Resp: 62839

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

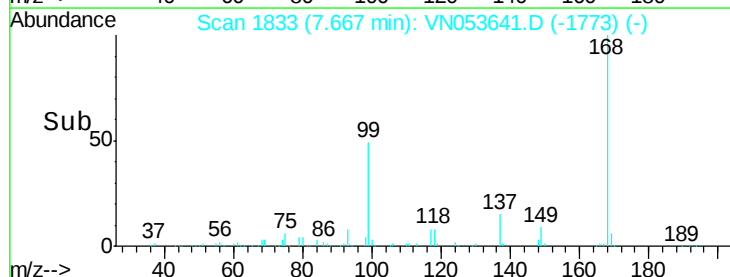
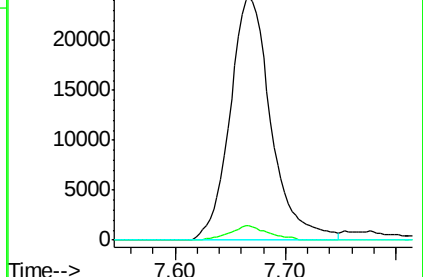
121 0.0 24.6 37.0#

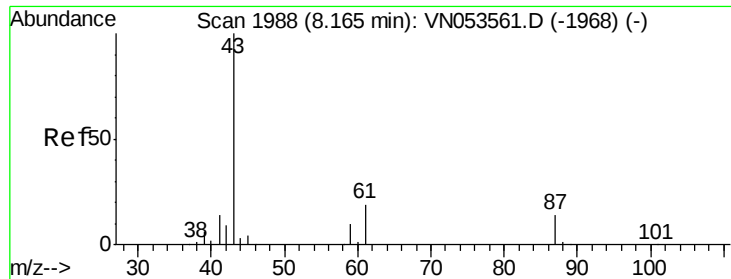


Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN053561.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN053561.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 3.384 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

SU-01-020519-B

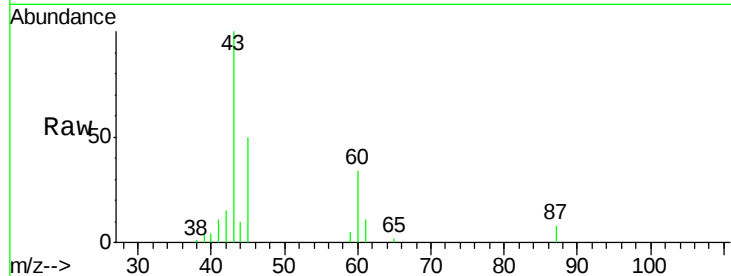
Tot Ion: 43 Resp: 41523

Ion Ratio Lower Upper

43 100

61 14.4 23.9 35.9#

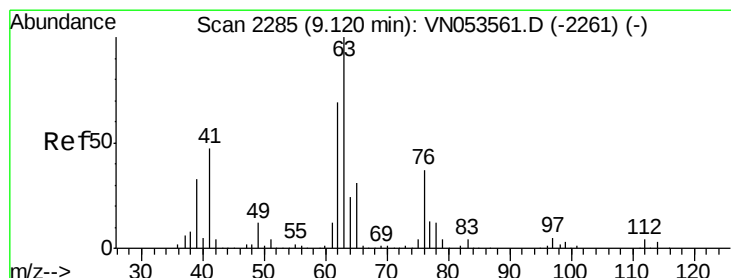
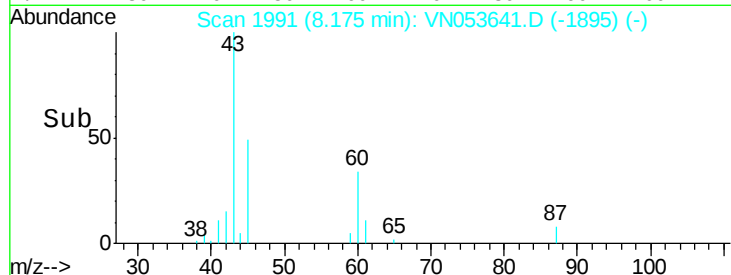
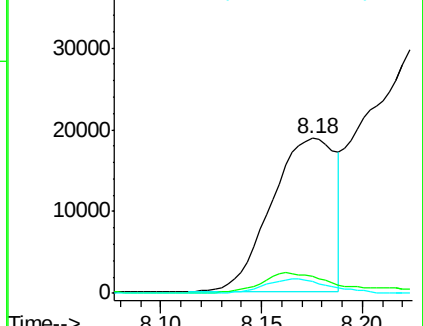
87 9.3 11.0 16.6#



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: 0.219 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN053641.D

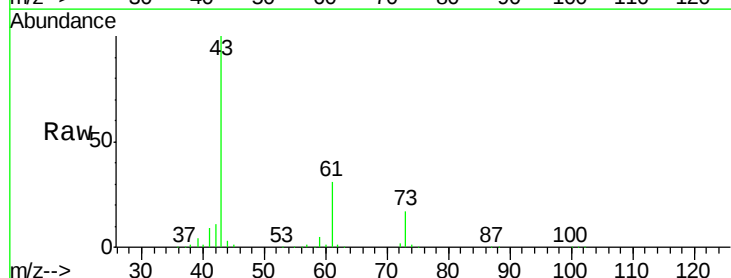
Acq: 6 Feb 2019 18:03

Tgt Ion: 63 Resp: 1965

Ion Ratio Lower Upper

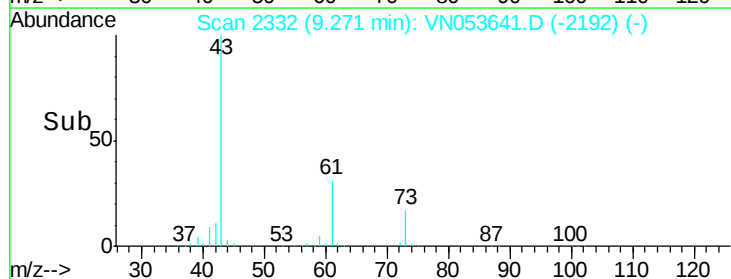
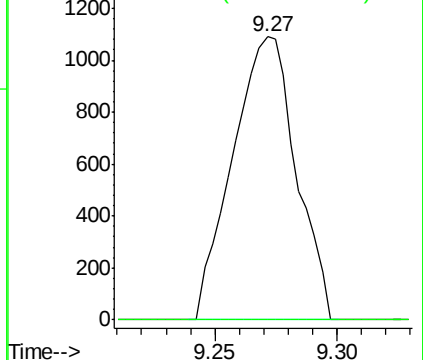
63 100

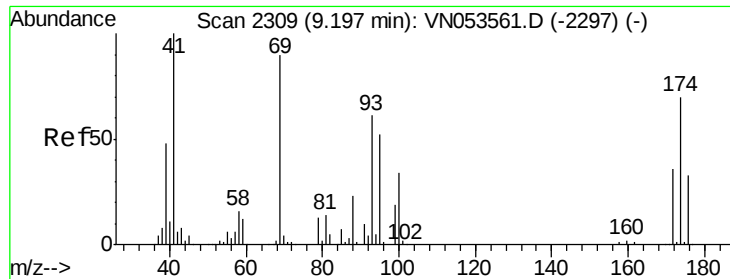
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

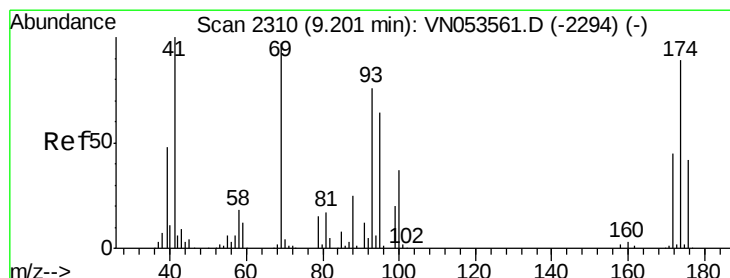
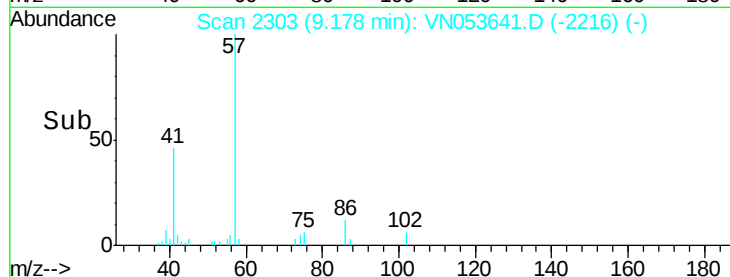
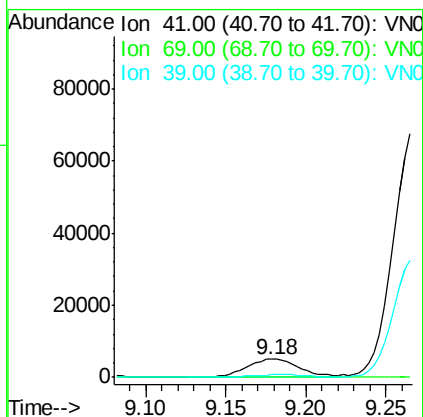
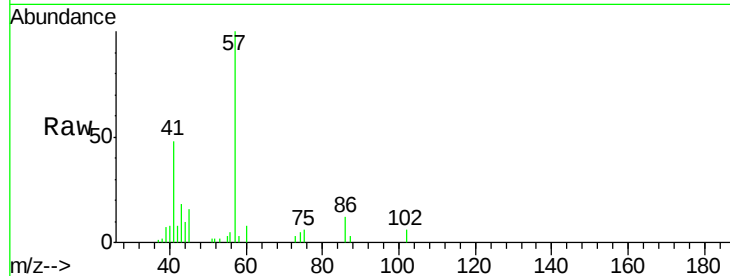




#48  
Methvl methacrylate  
Concen: 1.990 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.02 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

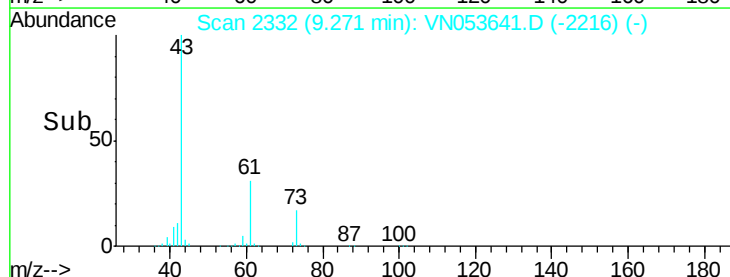
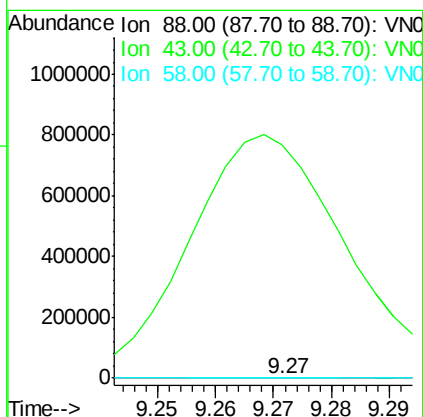
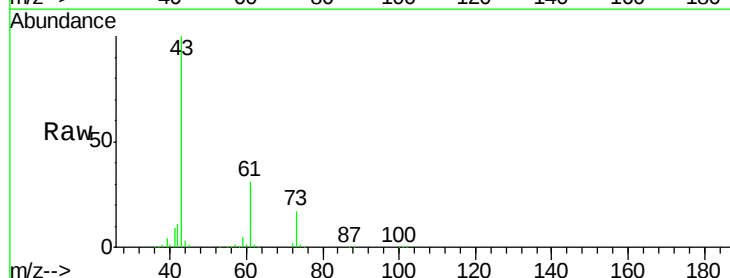
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-01-020519-B

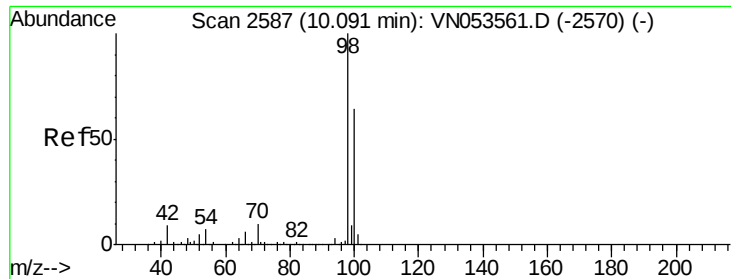
Tot Ion: 41 Resp: 11653  
Ion Ratio Lower Upper  
41 100  
69 0.0 73.8 110.6#  
39 0.0 40.0 60.0#



#49  
1,4-Dioxane  
Concen: 41.646 ug/l  
RT: 9.27 min Scan# 2332  
Delta R.T. 0.07 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion: 88 Resp: 225  
Ion Ratio Lower Upper  
88 100  
43 727958.2 27.8 41.6#  
58 3259.1 56.5 84.7#





#50

Toluene-d8

Concen: 41.646 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

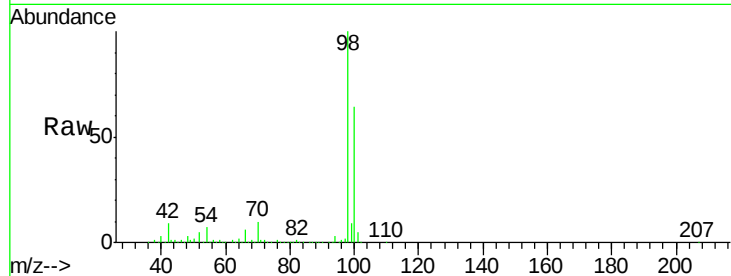
SU-01-020519-B

Tot Ion: 98 Resp: 1529403

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

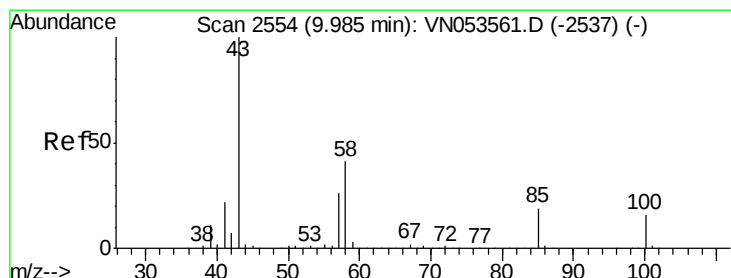
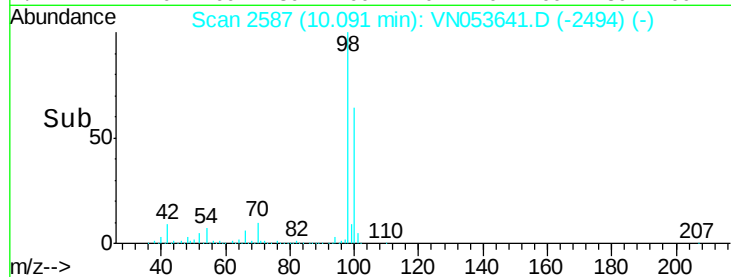
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.559 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053641.D

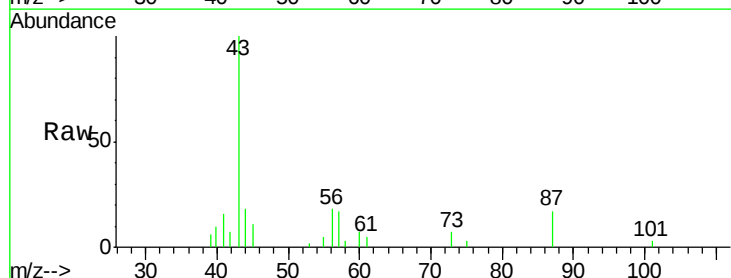
Acq: 6 Feb 2019 18:03

Tgt Ion: 43 Resp: 9400

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)

10.02

8000

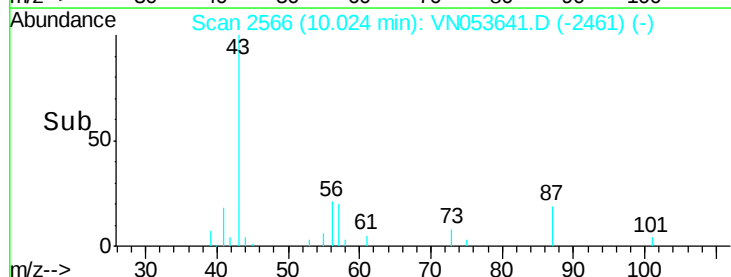
6000

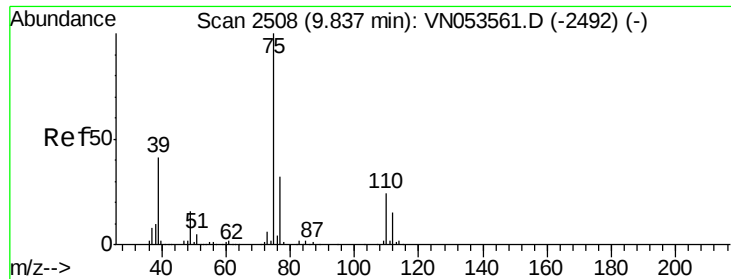
4000

2000

0

Time-->



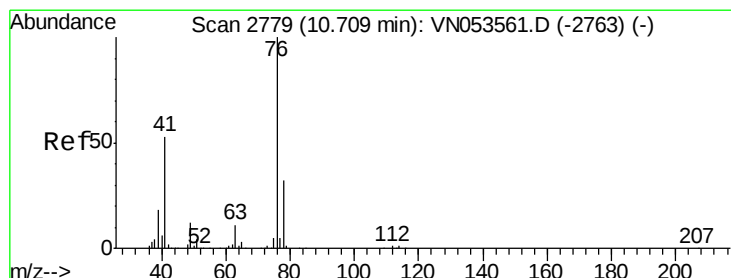
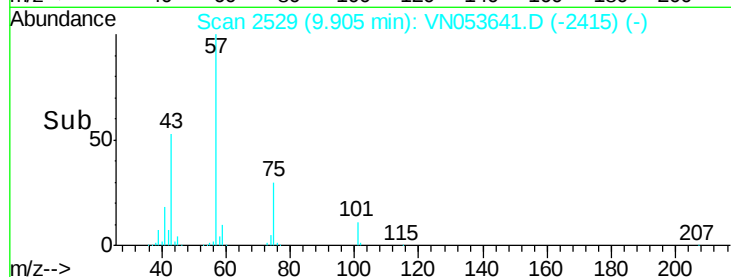
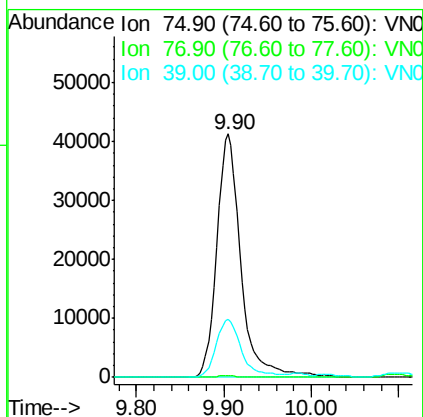
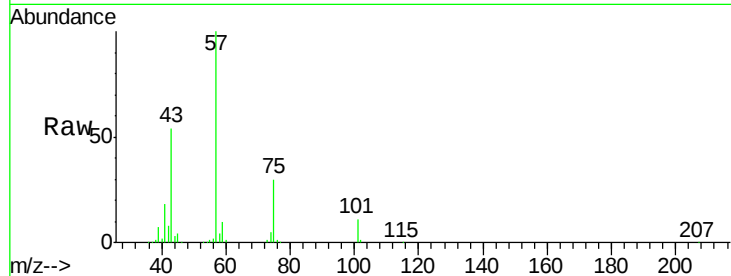


#54

cis-1,3-Dichloropropene  
 Concen: 5.906 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.07 min  
 Lab File: VN053641.D  
 Acq: 6 Feb 2019 18:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-01-020519-B

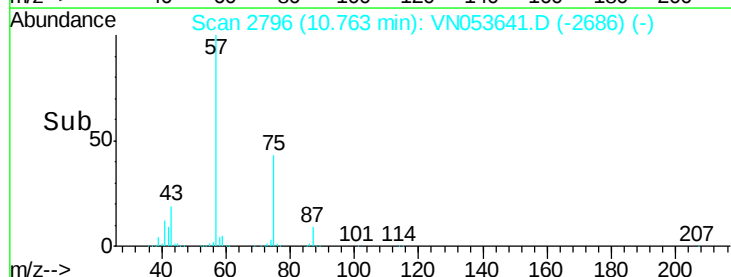
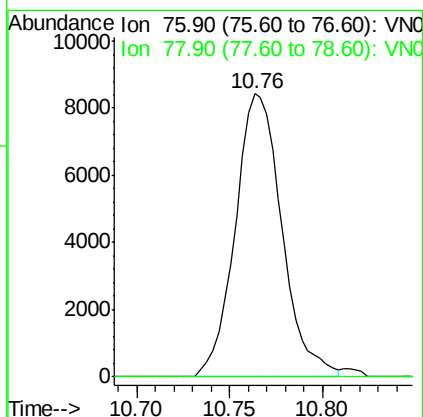
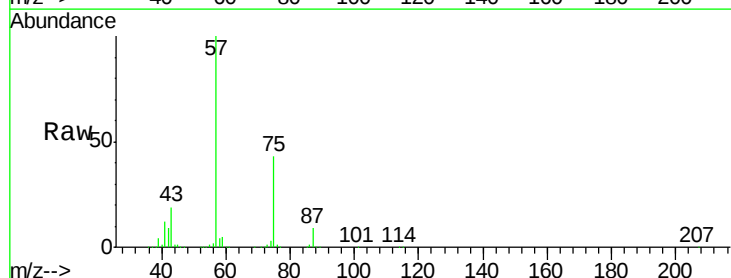
Tot Ion: 75 Resp: 78803  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.8 38.6#  
 39 23.8 33.4 50.0#

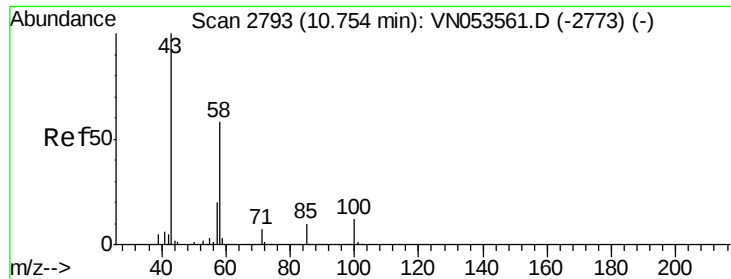


#57

1,3-Dichloropropane  
 Concen: 1.151 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.05 min  
 Lab File: VN053641.D  
 Acq: 6 Feb 2019 18:03

Tgt Ion: 76 Resp: 14754  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.6 38.4#

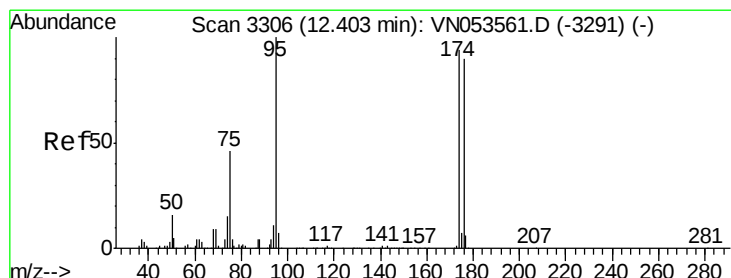
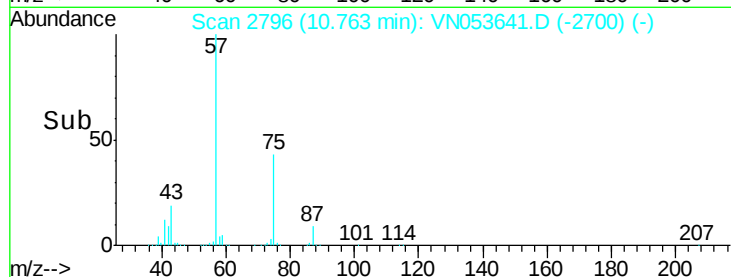
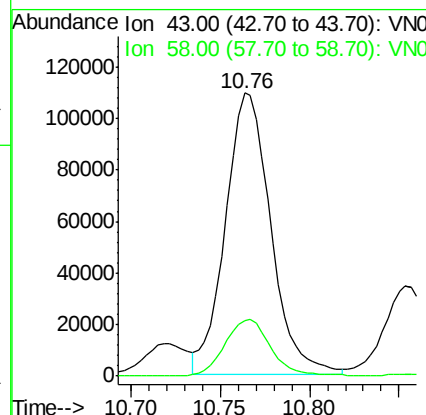
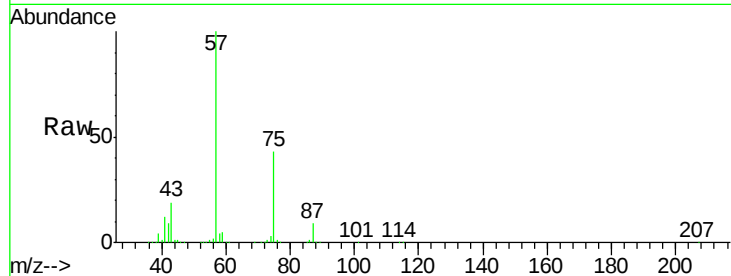




#59  
2-Hexanone  
Concen: 47.303 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

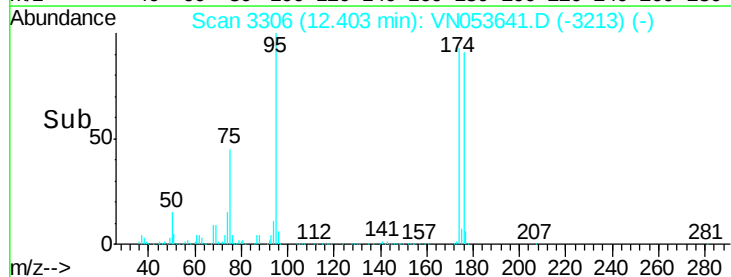
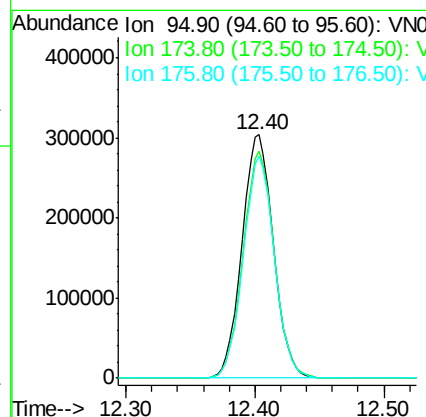
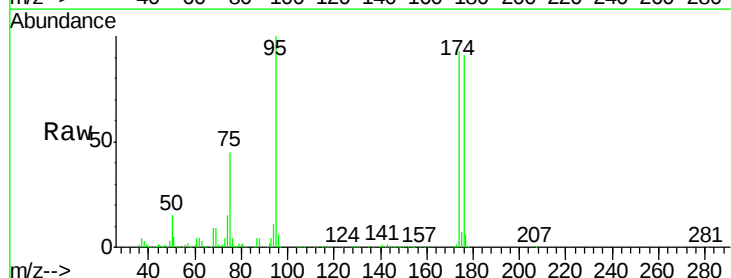
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-01-020519-B

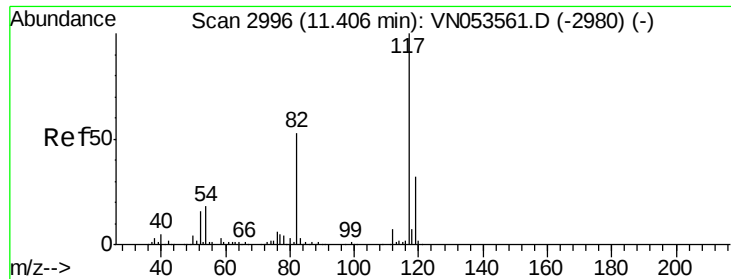
Tot Ion: 43 Resp: 193601  
Ion Ratio Lower Upper  
43 100  
58 20.5 28.6 85.8#



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion: 95 Resp: 514832  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 183.2  
176 89.9 0.0 177.4

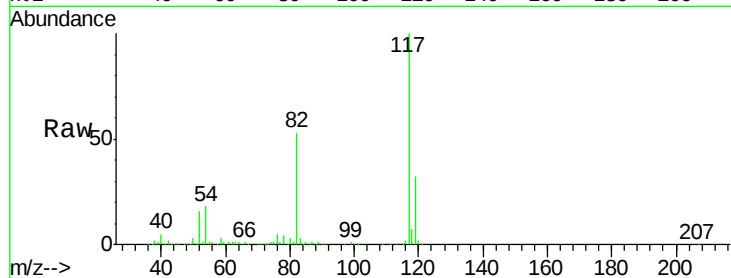




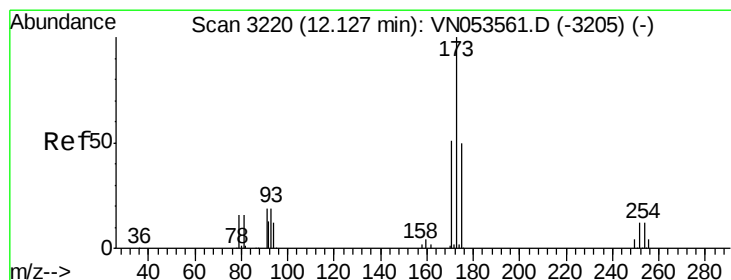
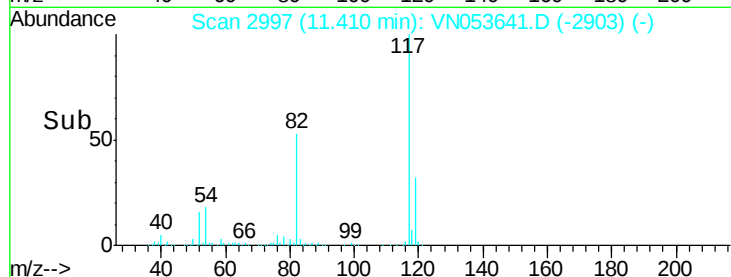
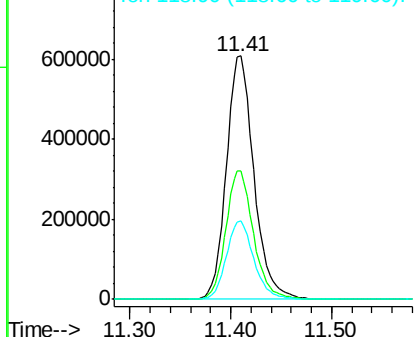
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-01-020519-B

Tot Ion:117 Resp: 1158890  
Ion Ratio Lower Upper  
117 100  
82 52.6 42.9 64.3  
119 32.1 26.0 39.0

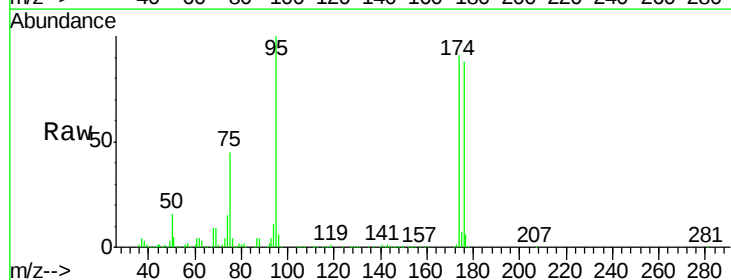


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

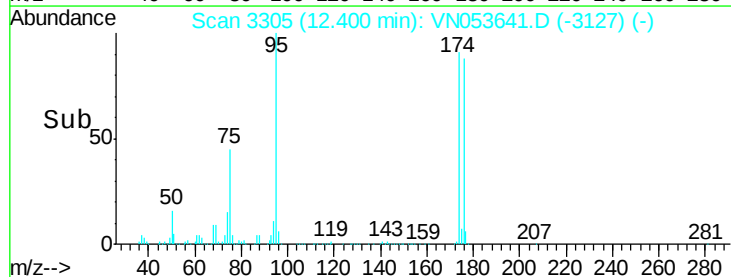
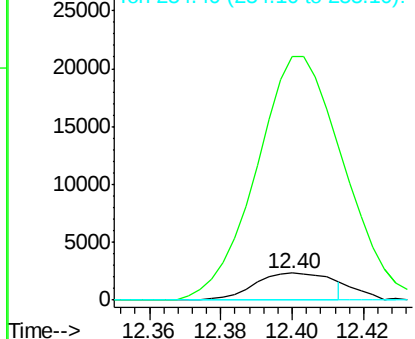


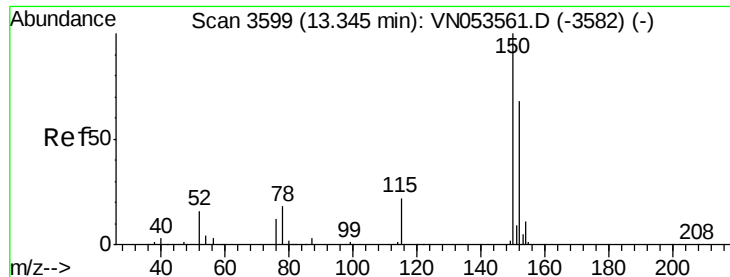
#71  
Bromoform  
Concen: 0.591 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN053641.D  
Acq: 6 Feb 2019 18:03

Tgt Ion:173 Resp: 3483  
Ion Ratio Lower Upper  
173 100  
175 871.2 24.6 74.0#  
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

SU-01-020519-B

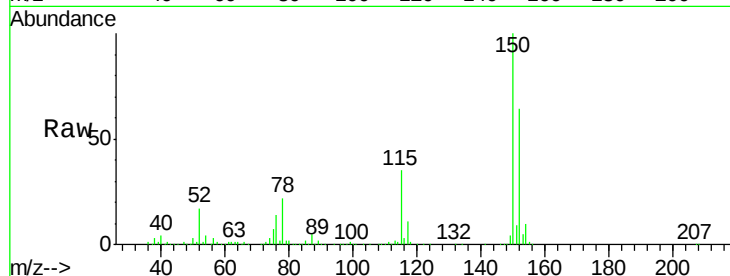
Tot Ion:152 Resp: 492834

Ion Ratio Lower Upper

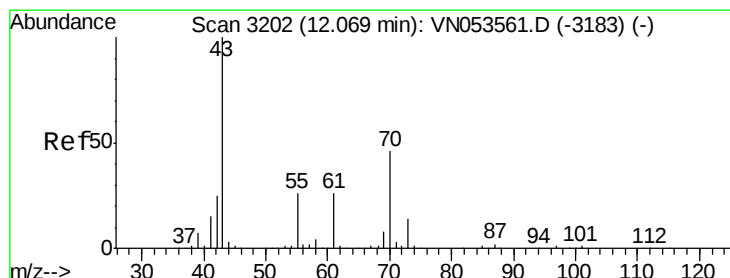
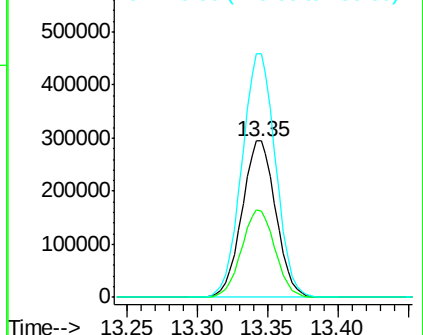
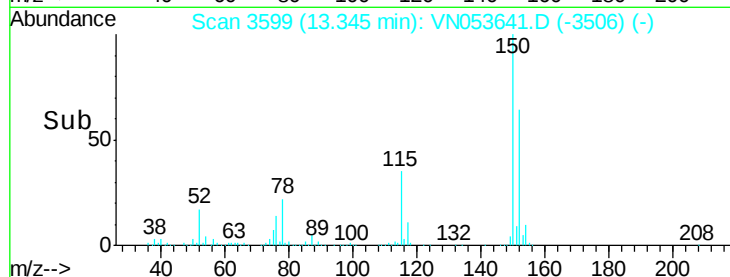
152 100

115 55.6 27.8 83.4

150 156.1 0.0 349.0



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: 2.426 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Tgt Ion: 43 Resp: 20215

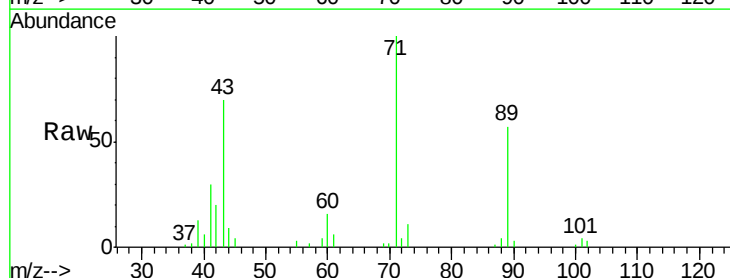
Ion Ratio Lower Upper

43 100

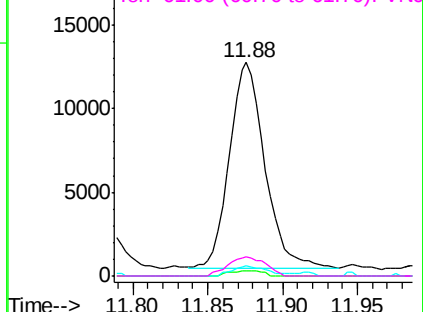
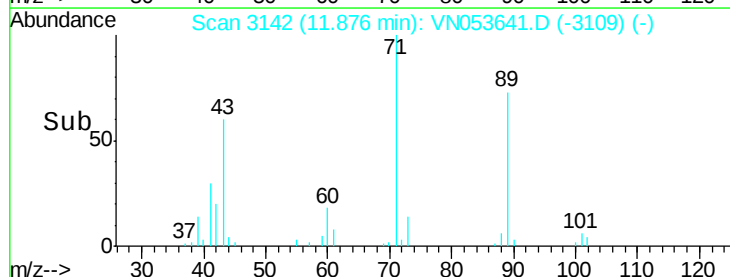
70 2.4 35.4 53.2#

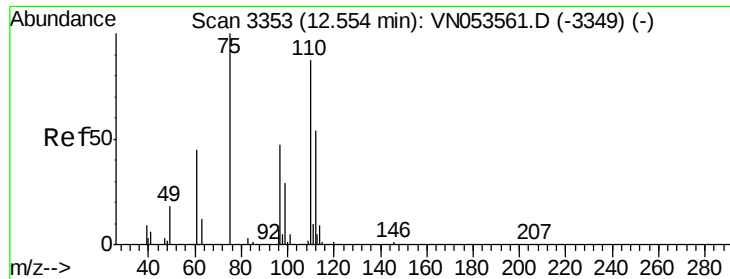
55 5.4 20.9 31.3#

61 9.7 20.5 30.7#



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: 36.964 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

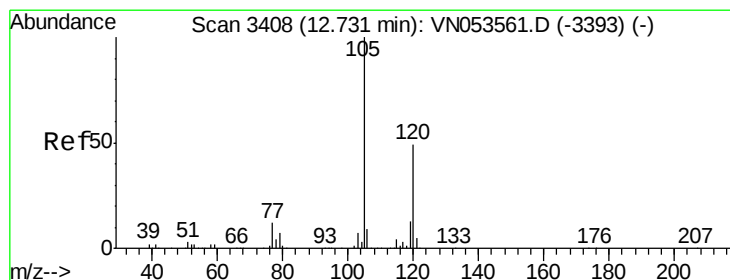
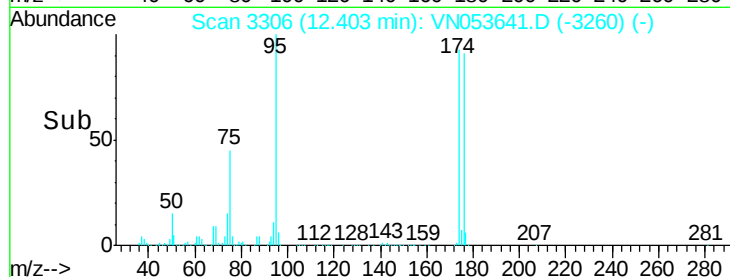
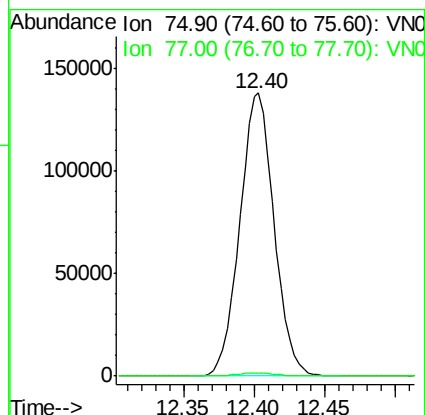
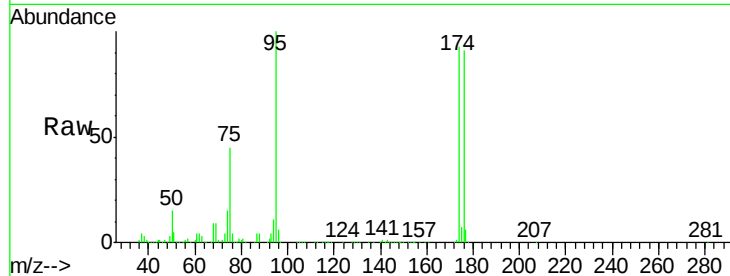
SU-01-020519-B

Tot Ion: 75 Resp: 233989

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.210 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053641.D

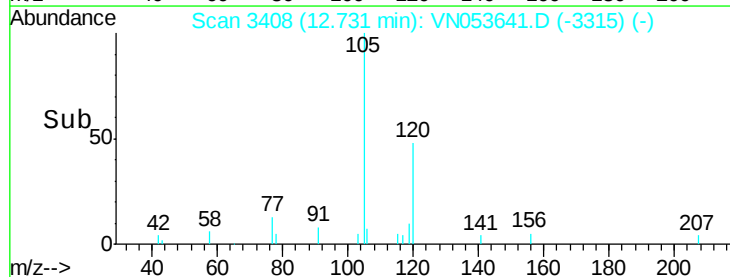
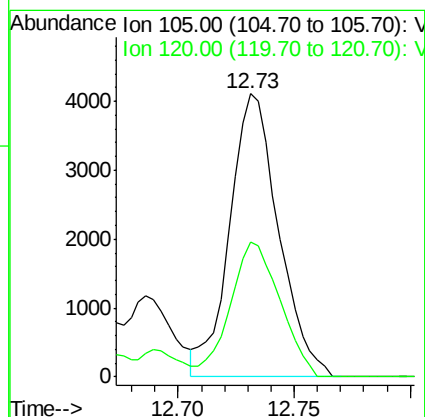
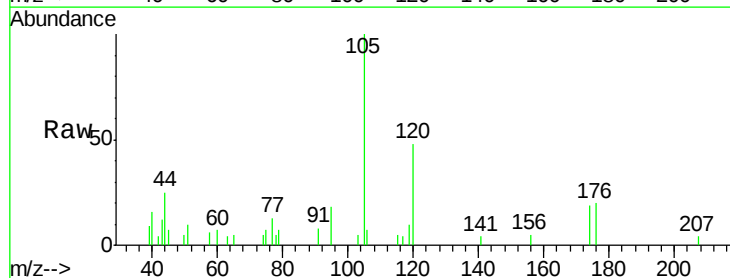
Acq: 6 Feb 2019 18:03

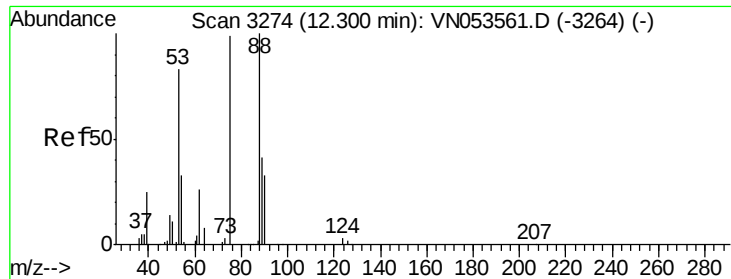
Tgt Ion: 105 Resp: 6021

Ion Ratio Lower Upper

105 100

120 48.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 103.940 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

SU-01-020519-B

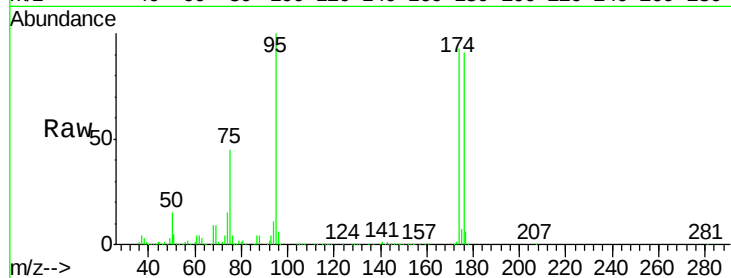
Tot Ion: 75 Resp: 233989

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

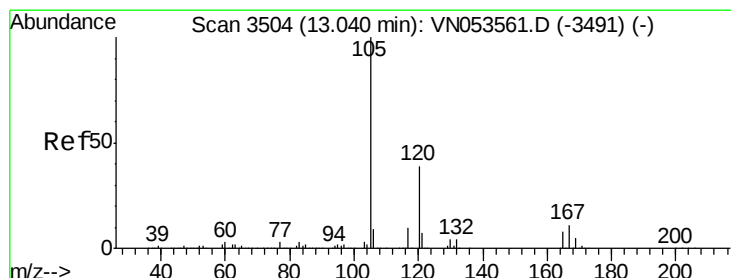
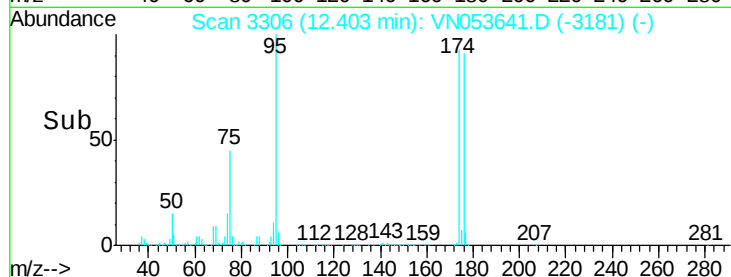
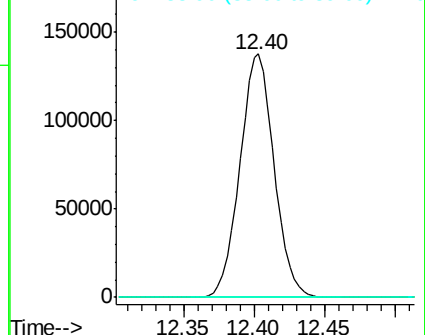
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.339 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN053641.D

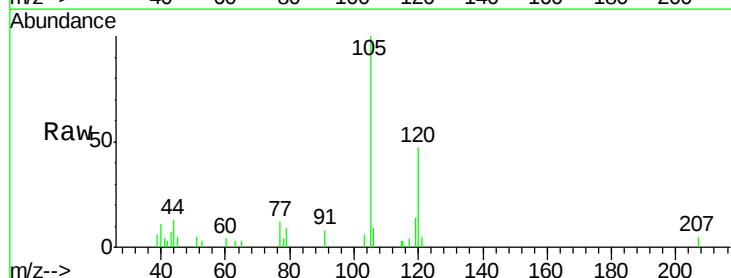
Acq: 6 Feb 2019 18:03

Tgt Ion: 105 Resp: 9936

Ion Ratio Lower Upper

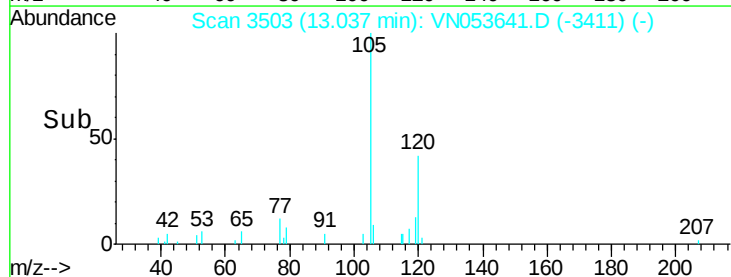
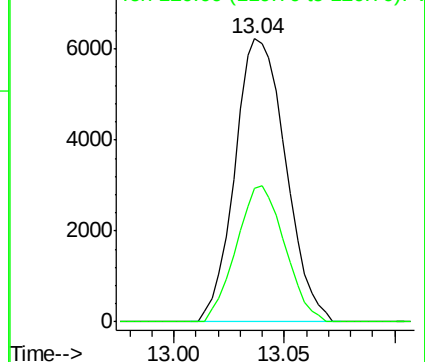
105 100

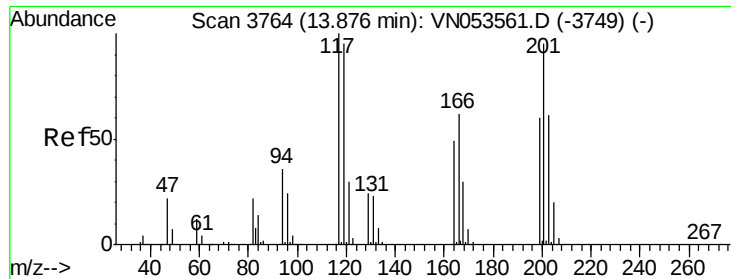
120 45.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.781 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

Instrument :

MSVOA\_N

ClientSampleId :

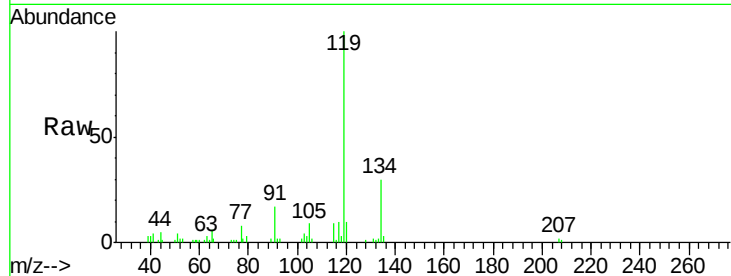
SU-01-020519-B

Tot Ion:117 Resp: 3892

Ion Ratio Lower Upper

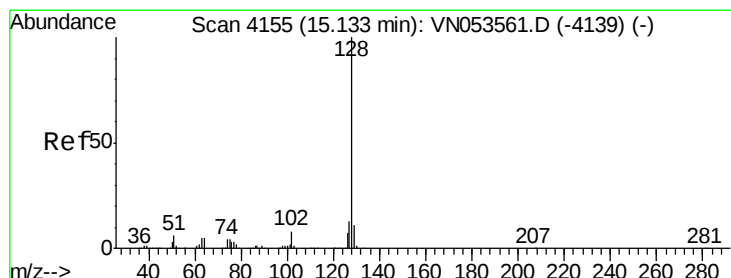
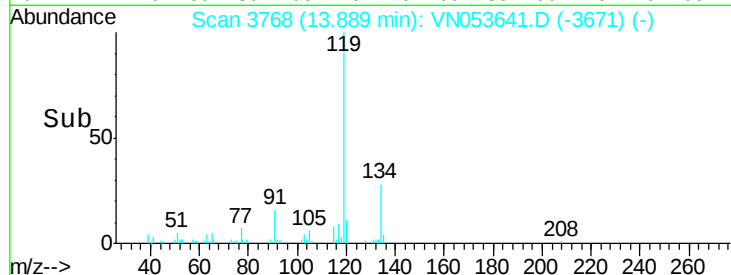
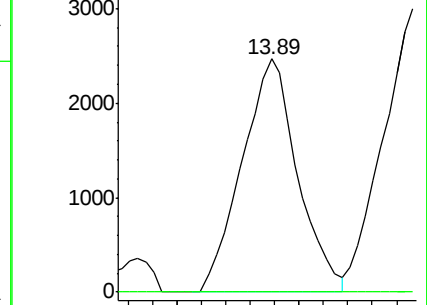
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.908 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053641.D

Acq: 6 Feb 2019 18:03

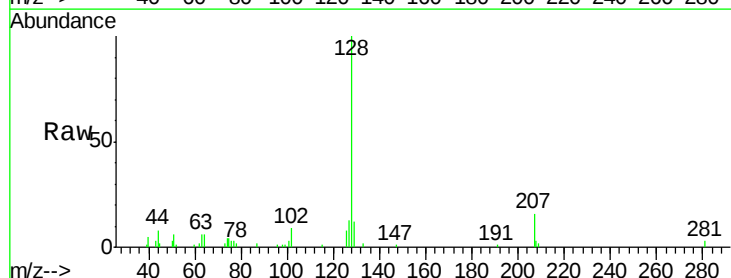
Tgt Ion:128 Resp: 26286

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 12.7 8.6 13.0



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

