

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\  
 Data File : VN056614.D  
 Acq On : 8 Jul 2019 17:04  
 Operator : JC/SP  
 Sample : K3624-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-01-070319-B

Quant Time: Jul 09 03:46:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 03:45:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 300893   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 528216   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 561560   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 230899   | 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   | 177528   | 53.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.46% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 158235   | 48.02 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.04%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 670387   | 52.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.56% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 254825   | 59.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 119.24% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 14) Allyl chloride             | 4.54  | 41   | 2776     | 0.627     | ug/l # | 28     |
| 16) Acetone                    | 3.82  | 43   | 6687     | 4.002     | ug/l   | 98     |
| 18) Methyl Acetate             | 4.33  | 43   | 5504     | 0.829     | ug/l   | 91     |
| 20) Methylene Chloride         | 4.55  | 84   | 66866    | 20.708    | ug/l   | 97     |
| 25) 2-Butanone                 | 6.86  | 43   | 702      | 0.317     | ug/l # | 49     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 605      | 0.448     | ug/l # | 62     |
| 30) Chloroform                 | 7.37  | 83   | 5625     | 1.069     | ug/l   | 97     |
| 31) Cyclohexane                | 7.66  | 56   | 5155     | 1.001     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 20373    | 4.382     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 26545    | 6.529     | ug/l # | 15     |
| 40) Benzene                    | 8.04  | 78   | 5168     | 0.361     | ug/l   | 92     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 18422    | 2.615     | ug/l # | 91     |
| 44) Trichloroethene            | 8.84  | 130  | 1737     | 0.451     | ug/l   | 89     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1631     | 0.426     | ug/l # | 43     |
| 47) Bromodichloromethane       | 9.40  | 83   | 1162     | 0.274     | ug/l # | 94     |
| 48) Methyl methacrylate        | 9.18  | 41   | 9096     | 2.576     | ug/l # | 12     |
| 49) 1,4-Dioxane                | 9.26  | 88   | 29       | 0.396     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3630     | 0.798     | ug/l   | 95     |
| 52) Toluene                    | 10.15 | 92   | 3040     | 0.348     | ug/l   | 91     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 47510    | 9.296     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.77 | 76   | 10314    | 1.747     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 143370   | 42.898    | ug/l # | 51     |
| 60) Dibromochloromethane       | 10.90 | 129  | 191      | 2.432     | ug/l # | 10     |
| 68) m/p-Xylenes                | 11.61 | 106  | 1578     | 0.217     | ug/l   | 83     |
| 71) Bromoform                  | 12.40 | 173  | 1818     | 3.696     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.41 | 105  | 261      | Below Cal | #      | 48     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 119032   | 24.862    | ug/l # | 100    |
| 79) 2-Chlorotoluene            | 12.73 | 91   | 307      | Below Cal | #      | 40     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 4168     | Below Cal |        | 94     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 119032   | 88.363    | ug/l # | 8      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 32       | Below Cal | #      | 28     |
| 95) Naphthalene                | 15.13 | 128  | 2371     | 5.446     | ug/l # | 73     |

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ClientSampleId :  
PL-01-070319-B

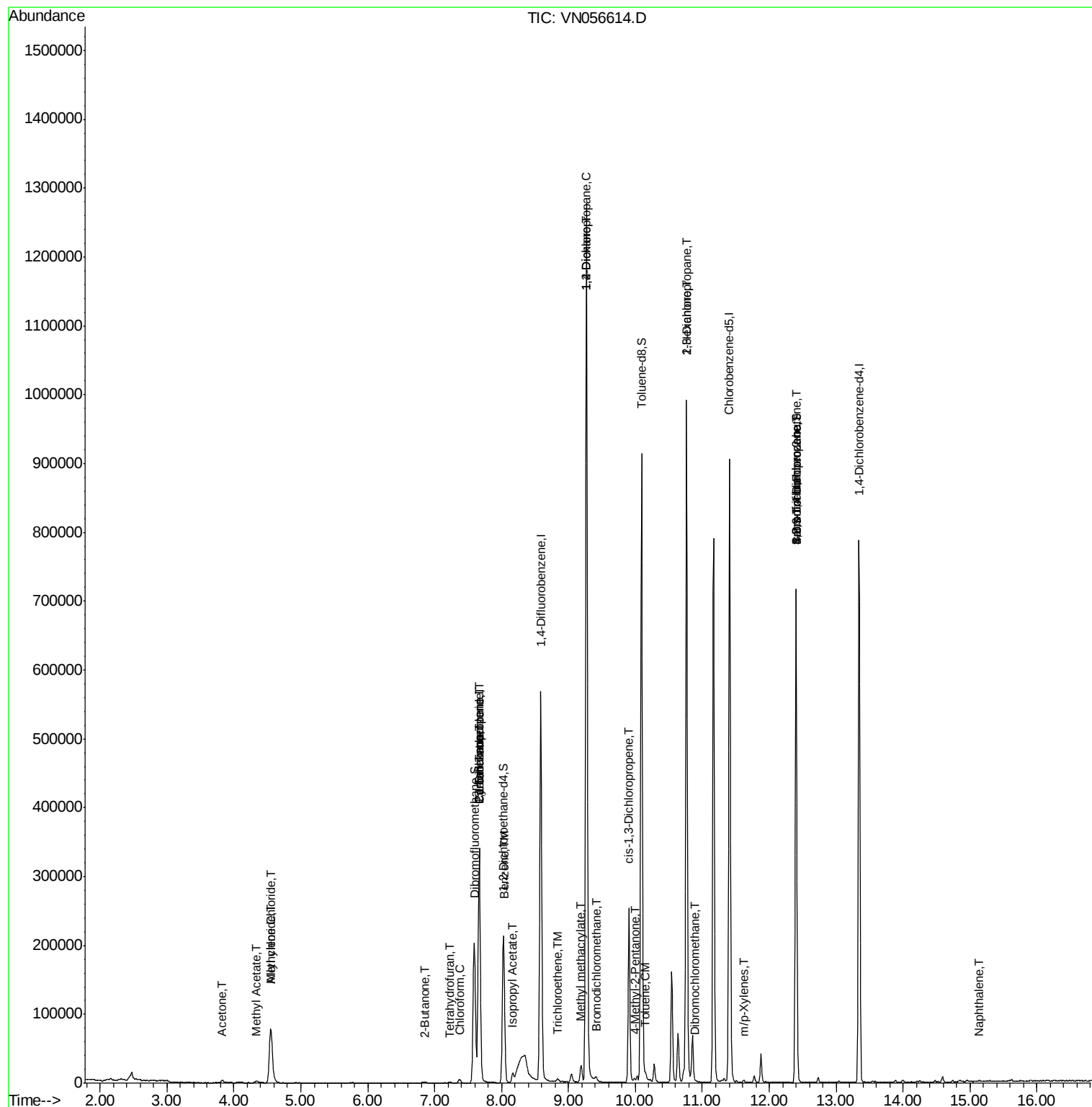
Quant Time: Jul 09 03:46:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061919W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 03:45:40 2019  
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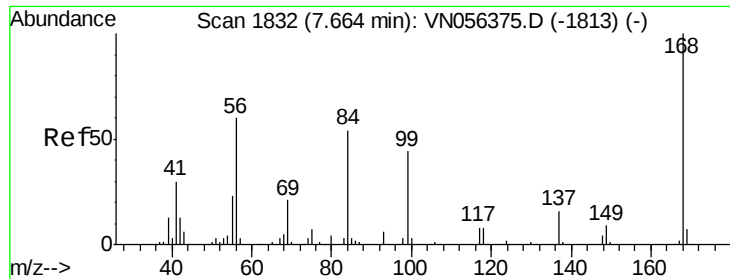
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

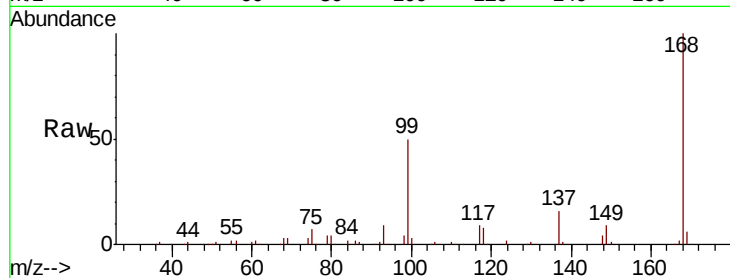
PL-01-070319-B

Tot Ion:168 Resp: 300893

Ion Ratio Lower Upper

168 100

99 50.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

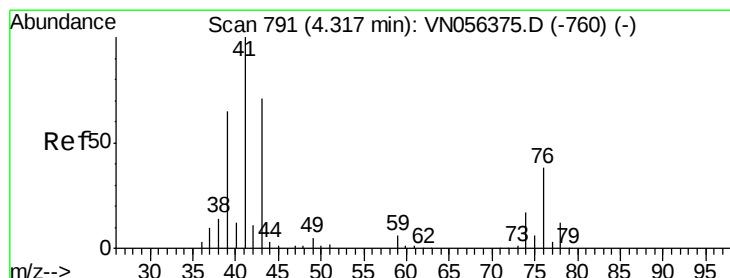
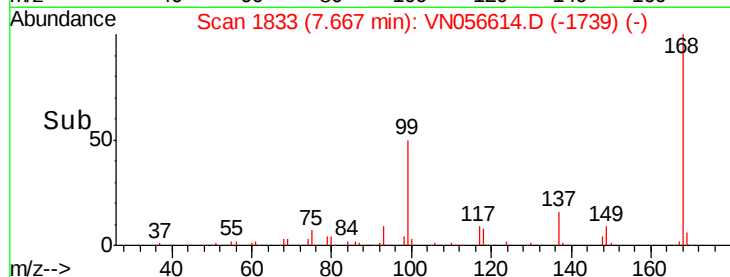
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 0.627 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

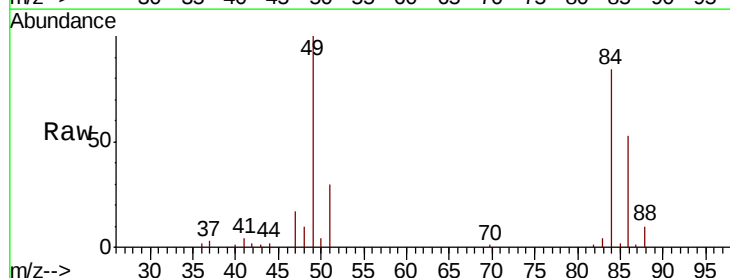
Tgt Ion: 41 Resp: 2776

Ion Ratio Lower Upper

41 100

39 0.0 48.6 73.0#

76 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.54

1000

800

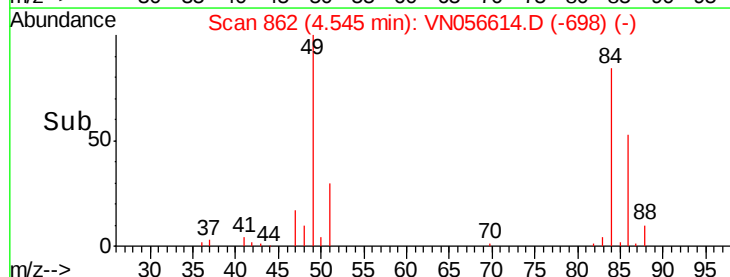
600

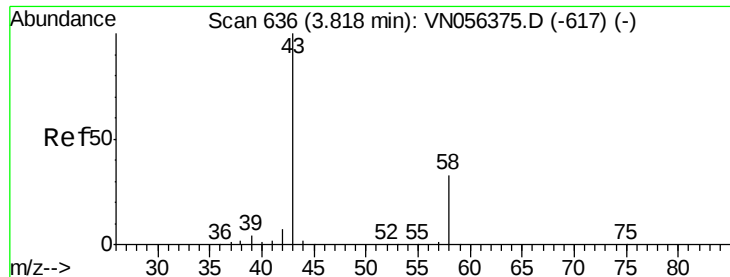
400

200

0

Time-->





#16

Acetone

Concen: 4.002 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

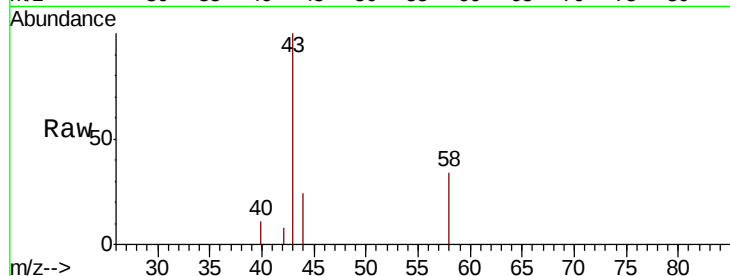
PL-01-070319-B

Tot Ion: 43 Resp: 6687

Ion Ratio Lower Upper

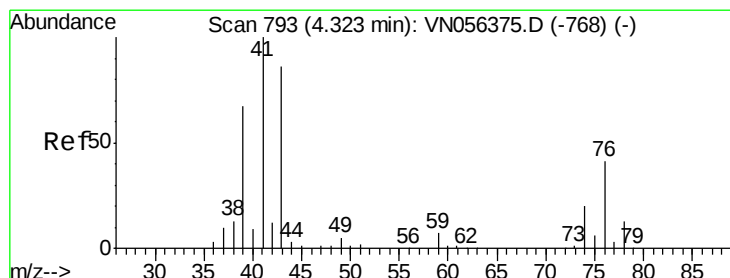
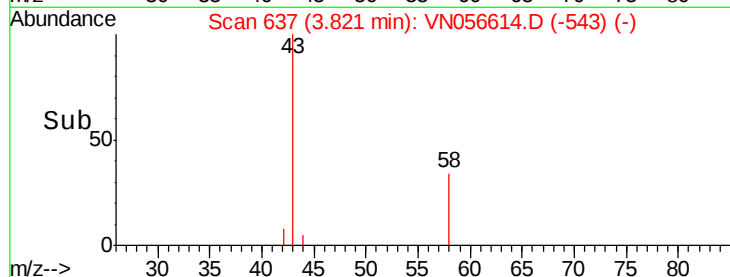
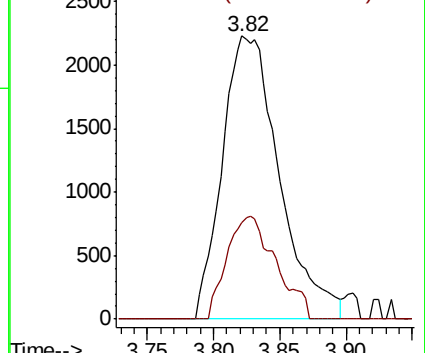
43 100

58 34.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.829 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056614.D

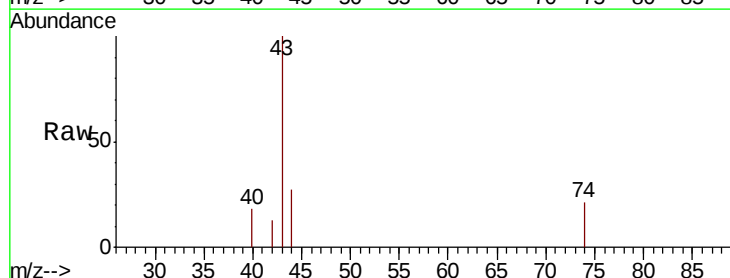
Acq: 8 Jul 2019 17:04

Tgt Ion: 43 Resp: 5504

Ion Ratio Lower Upper

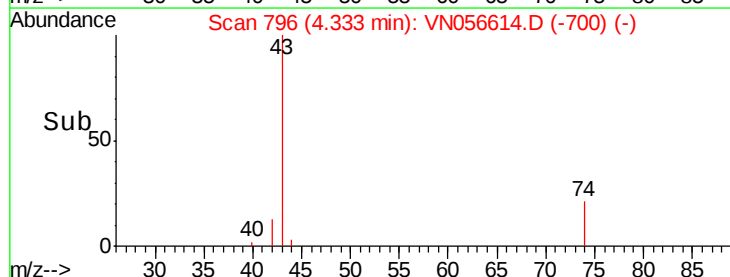
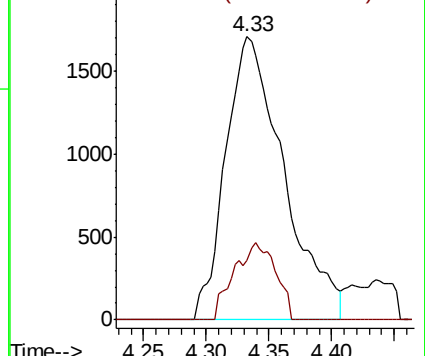
43 100

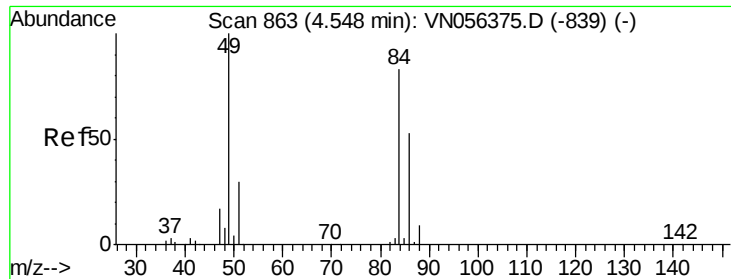
74 19.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

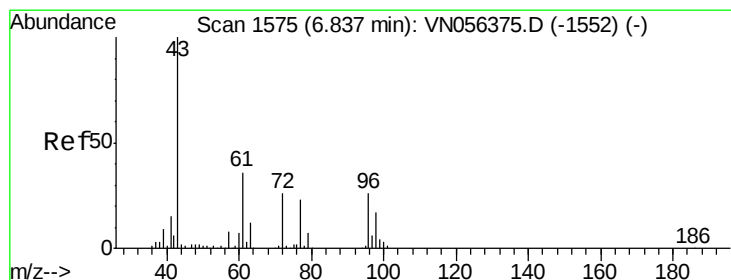
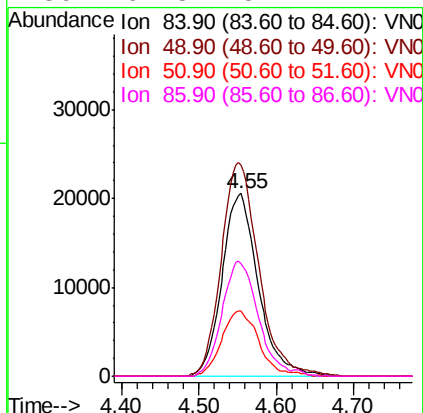
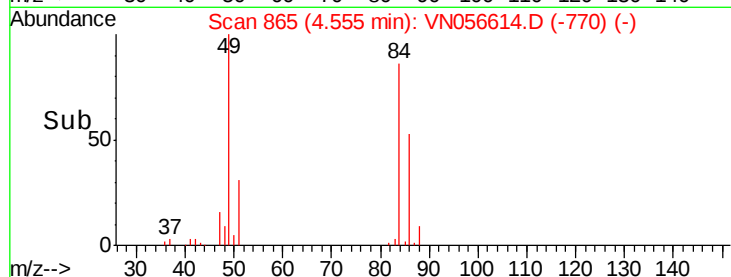
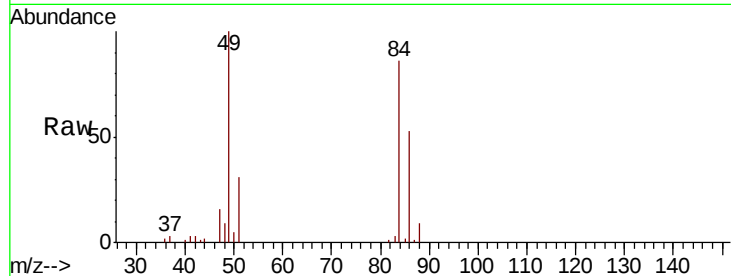




#20  
Methvlene Chloride  
Concen: 20.708 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

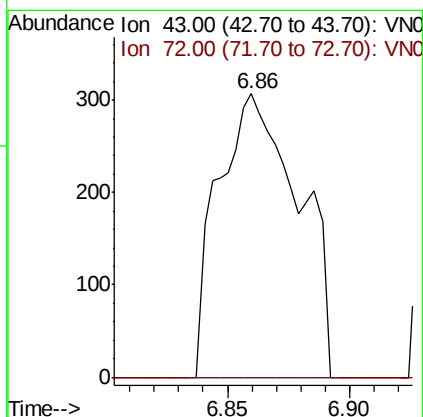
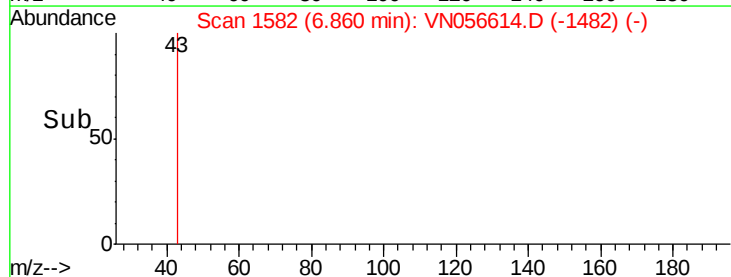
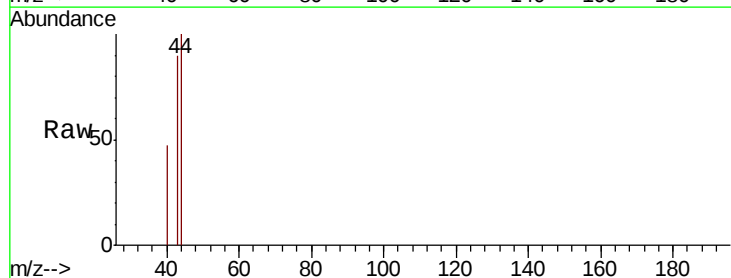
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-01-070319-B

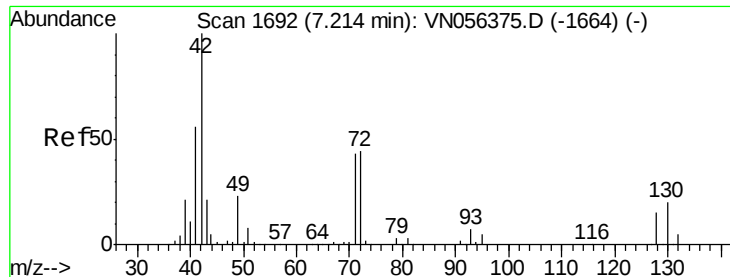
Tot Ion: 84 Resp: 66866  
Ion Ratio Lower Upper  
84 100  
49 115.6 96.4 144.6  
51 35.5 28.6 43.0  
86 61.8 51.4 77.2



#25  
2-Butanone  
Concen: 0.317 ug/l  
RT: 6.86 min Scan# 1582  
Delta R.T. 0.02 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

Tgt Ion: 43 Resp: 702  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.448 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

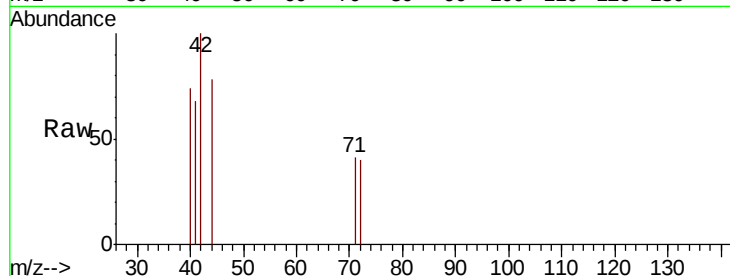
Tot Ion: 42 Resp: 605

Ion Ratio Lower Upper

42 100

72 16.7 34.7 52.1#

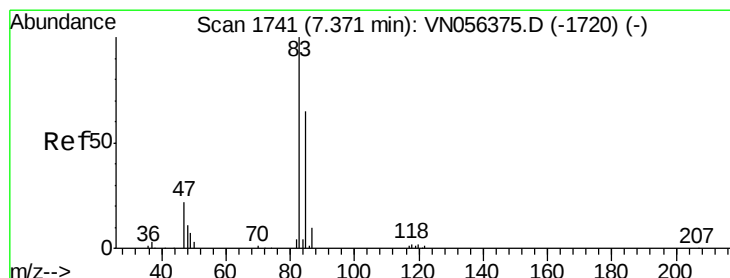
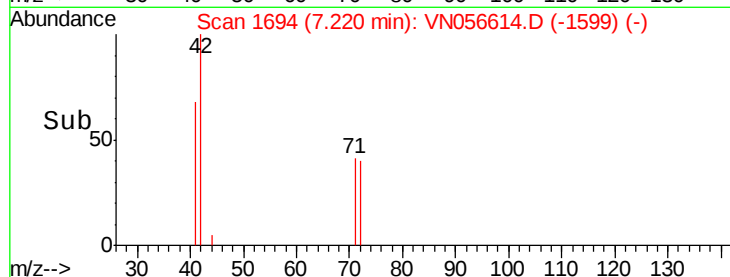
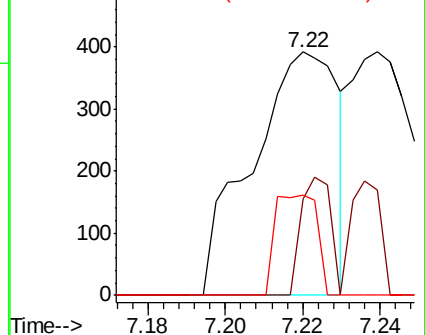
71 20.2 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.069 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056614.D

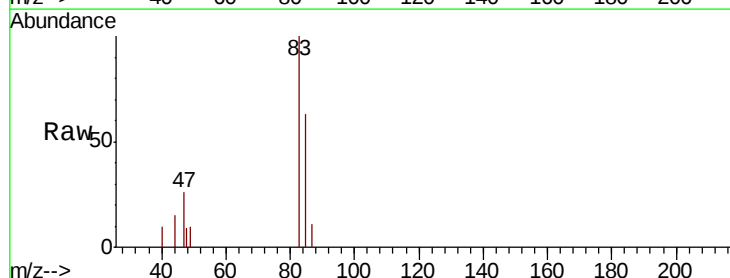
Acq: 8 Jul 2019 17:04

Tgt Ion: 83 Resp: 5625

Ion Ratio Lower Upper

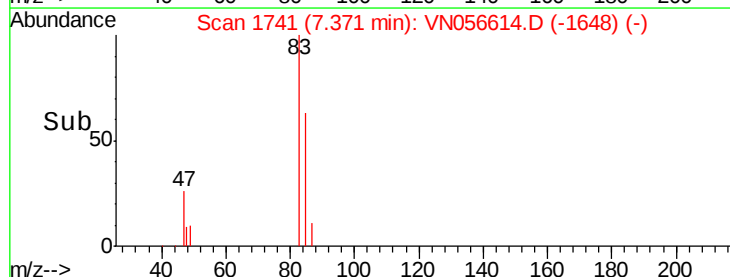
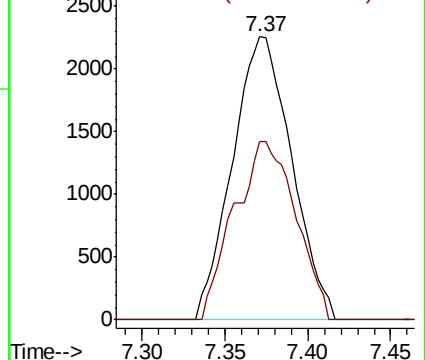
83 100

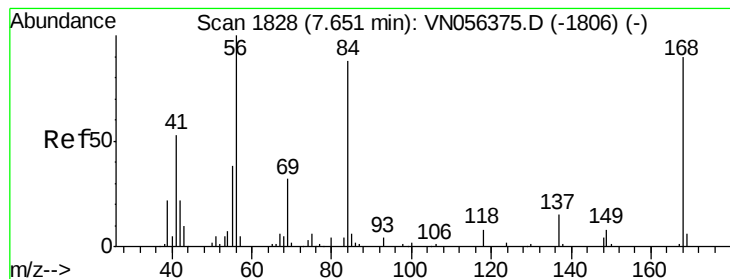
85 62.9 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

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ClientSampleId :

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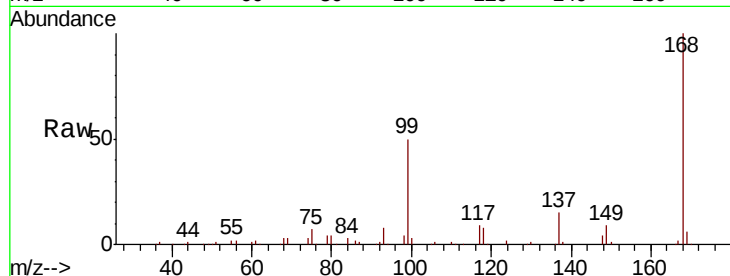
Tot Ion: 56 Resp: 5155

Ion Ratio Lower Upper

56 100

69 189.0 25.8 38.6#

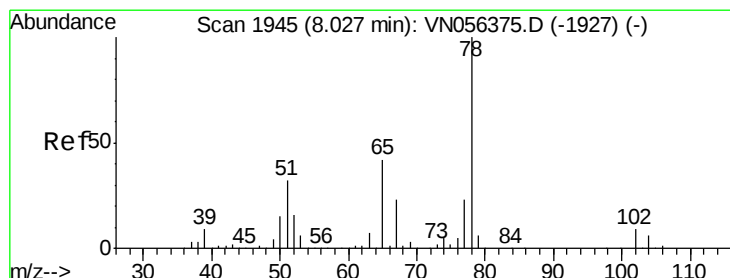
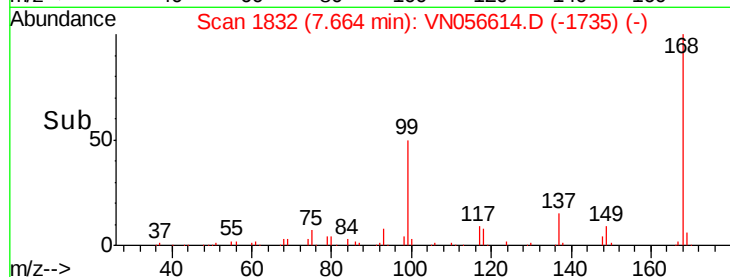
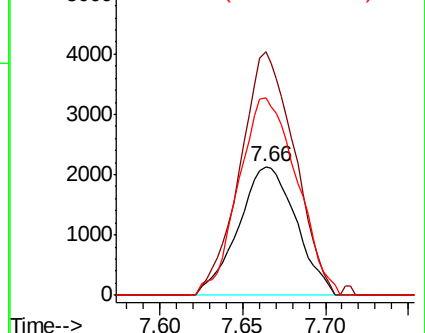
84 153.7 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.235 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056614.D

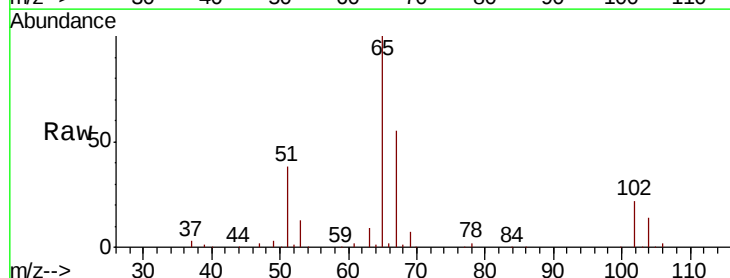
Acq: 8 Jul 2019 17:04

Tgt Ion: 65 Resp: 177528

Ion Ratio Lower Upper

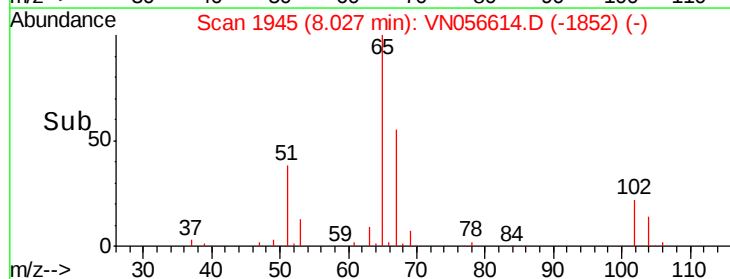
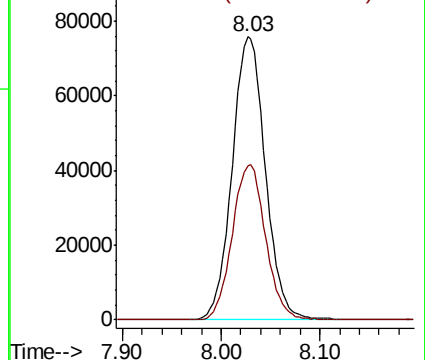
65 100

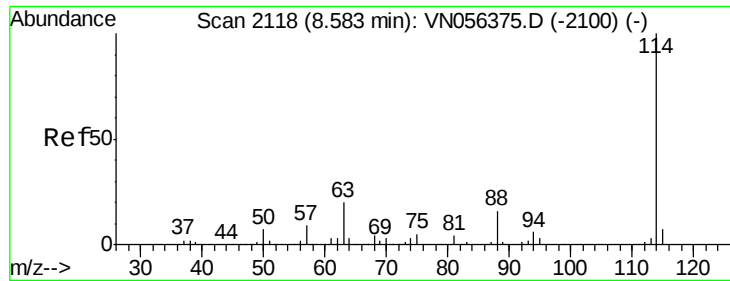
67 55.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

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PL-01-070319-B

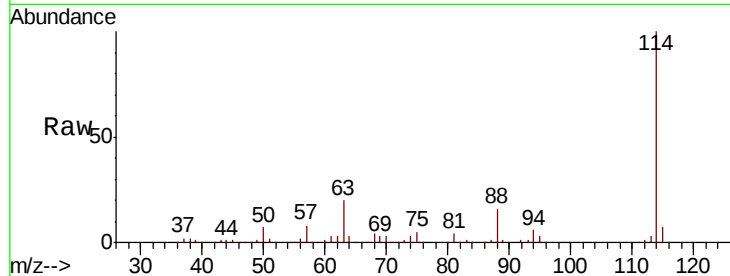
Tot Ion:114 Resp: 528216

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

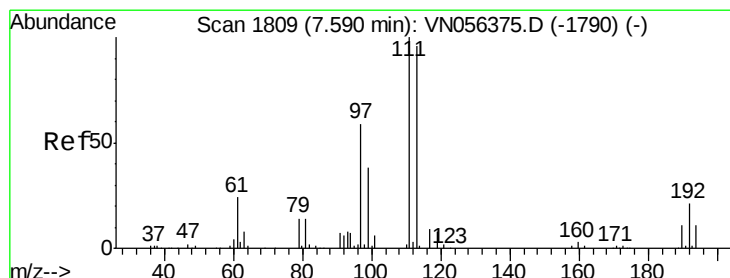
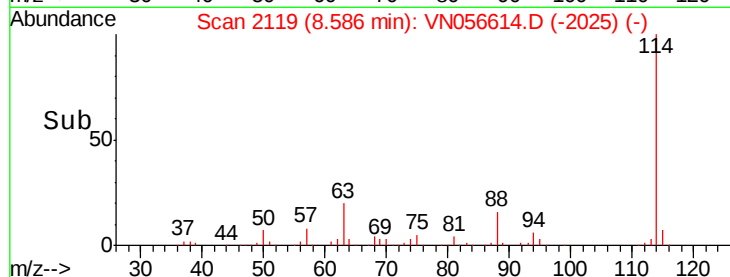
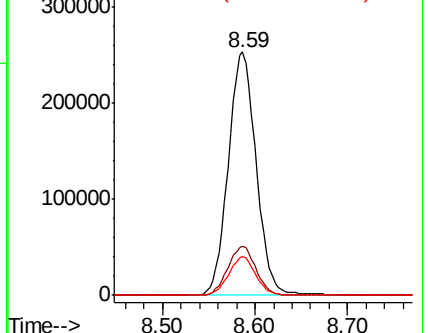
88 16.0 0.0 31.4



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: 48.020 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

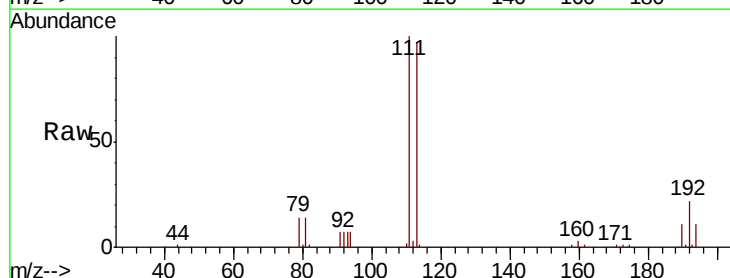
Tgt Ion:113 Resp: 158235

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

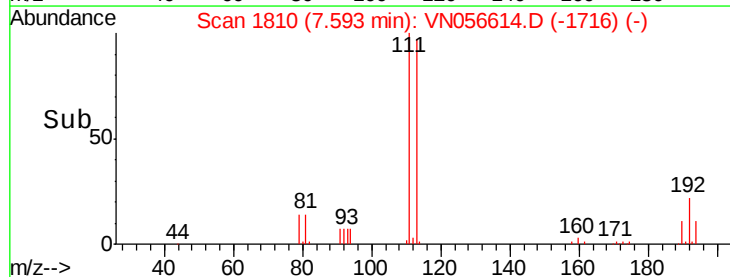
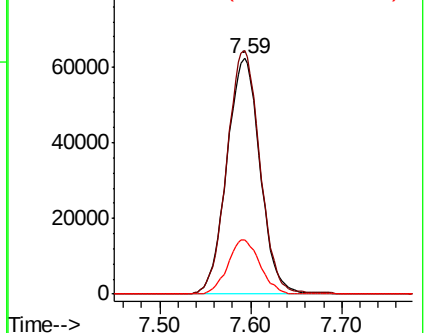
192 22.1 17.7 26.5

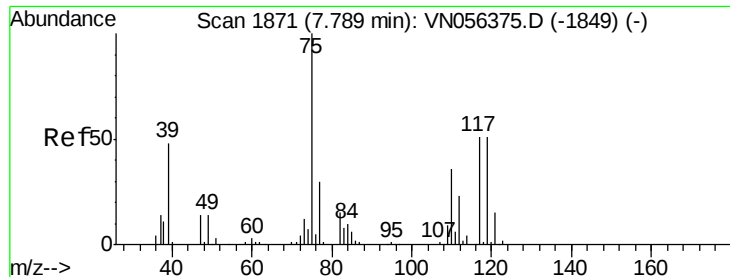


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

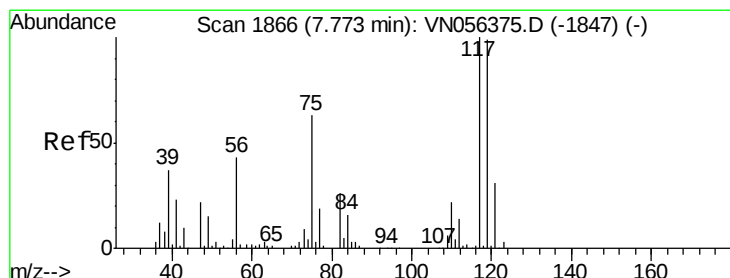
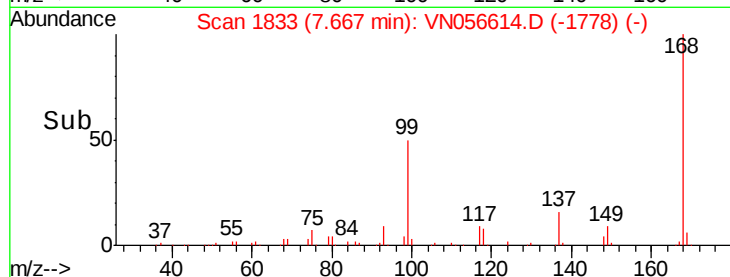
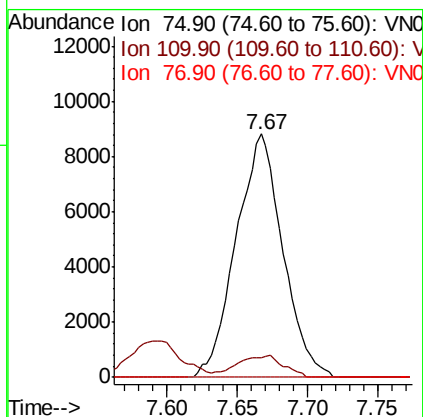
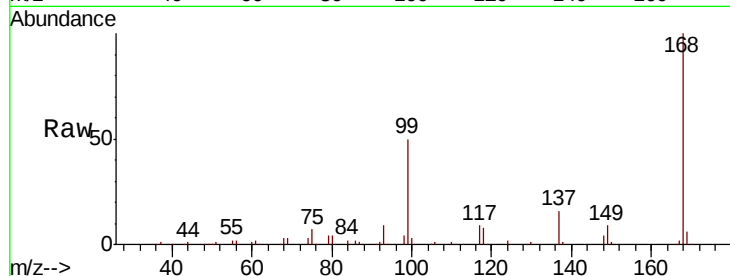




#36  
 1,1-Dichloropropene  
 Concen: 4.382 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

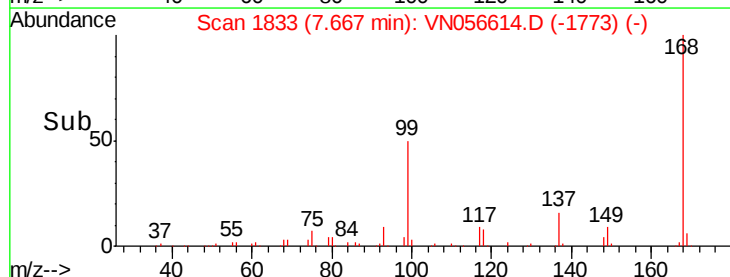
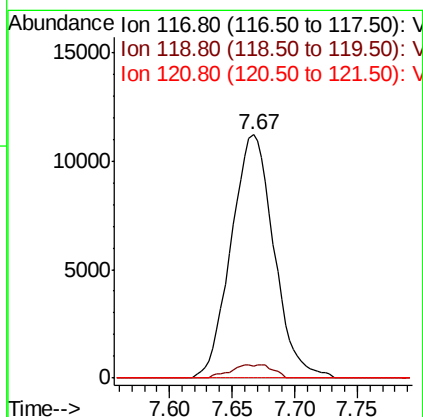
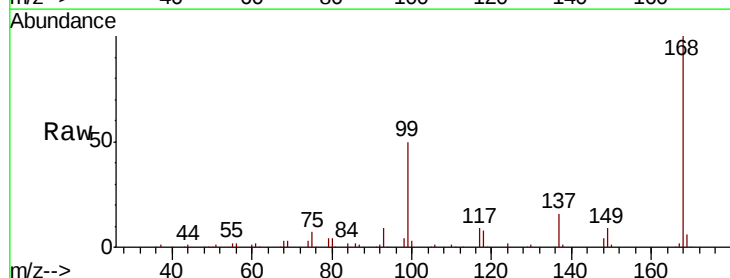
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-01-070319-B

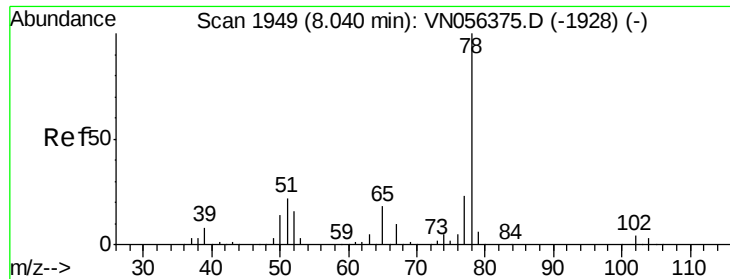
Tot Ion: 75 Resp: 20373  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 18.1 54.3#  
 77 0.0 24.6 36.8#



#38  
 Carbon Tetrachloride  
 Concen: 6.529 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

Tgt Ion: 117 Resp: 26545  
 Ion Ratio Lower Upper  
 117 100  
 119 5.0 79.1 118.7#  
 121 0.0 24.8 37.2#





#40

Benzene

Concen: 0.361 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

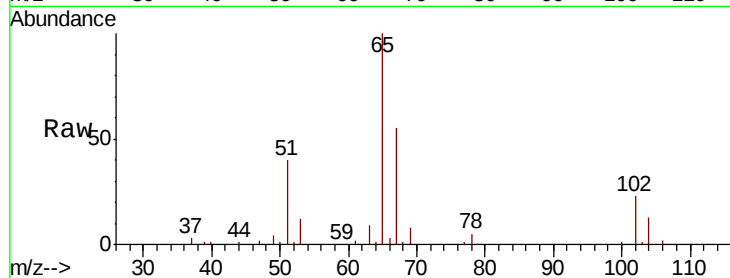
PL-01-070319-B

Tot Ion: 78 Resp: 5168

Ion Ratio Lower Upper

78 100

77 19.3 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

2500

2000

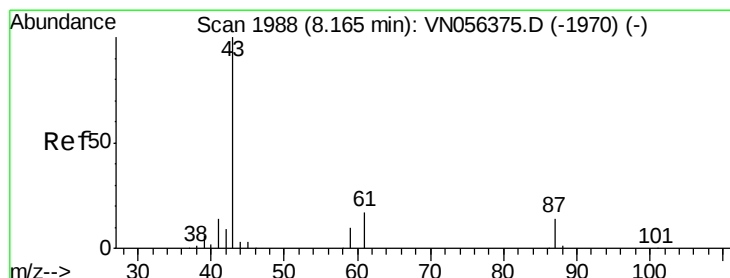
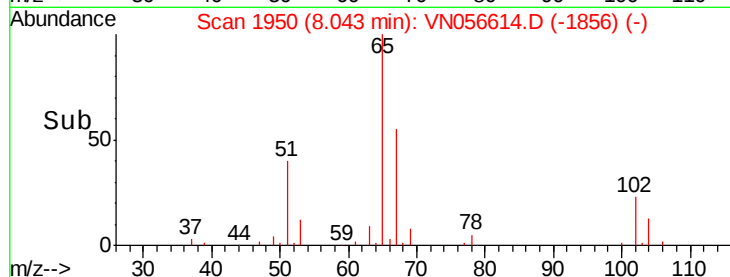
1500

1000

500

0

Time-->



#43

Isopropyl Acetate

Concen: 2.615 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

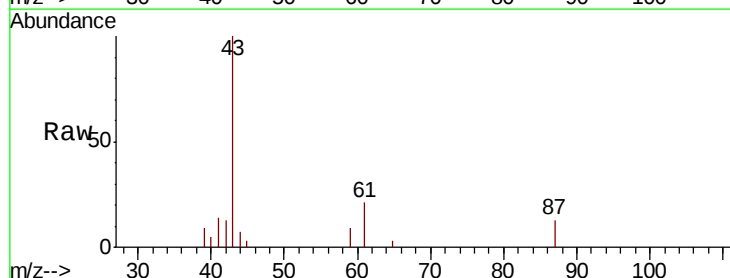
Tgt Ion: 43 Resp: 18422

Ion Ratio Lower Upper

43 100

61 21.4 22.0 33.0#

87 12.8 11.0 16.4



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

8.17

10000

8000

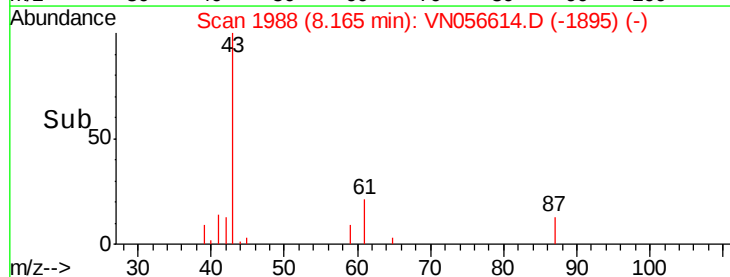
6000

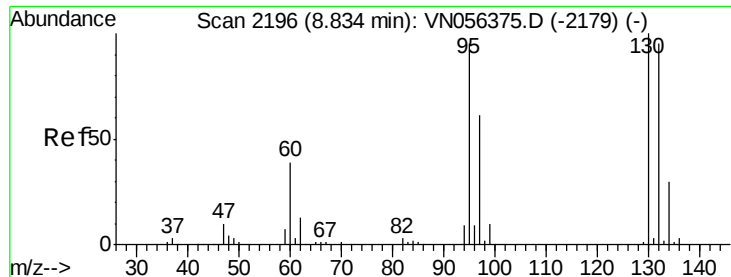
4000

2000

0

Time-->





#44

Trichloroethene

Concen: 0.451 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

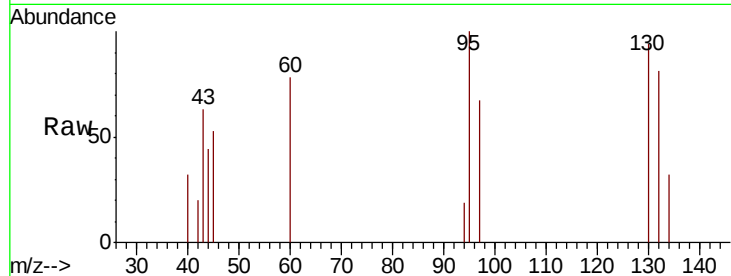
PL-01-070319-B

Tot Ion:130 Resp: 1737

Ion Ratio Lower Upper

130 100

95 105.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

1000

800

600

400

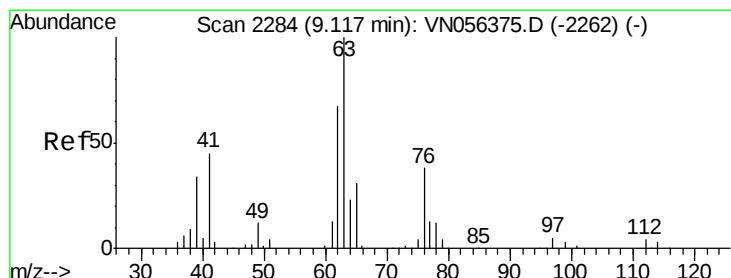
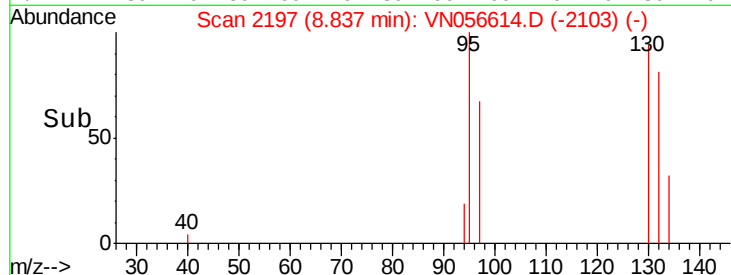
200

0

8.80

8.85

Time-->



#45

1,2-Dichloropropane

Concen: 0.426 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056614.D

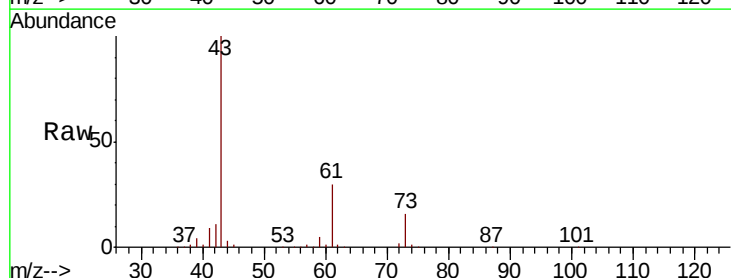
Acq: 8 Jul 2019 17:04

Tgt Ion: 63 Resp: 1631

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.27

1000

800

600

400

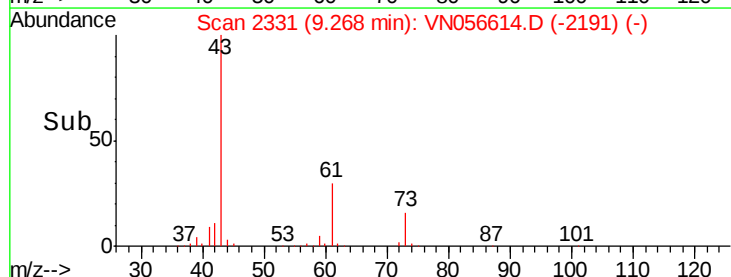
200

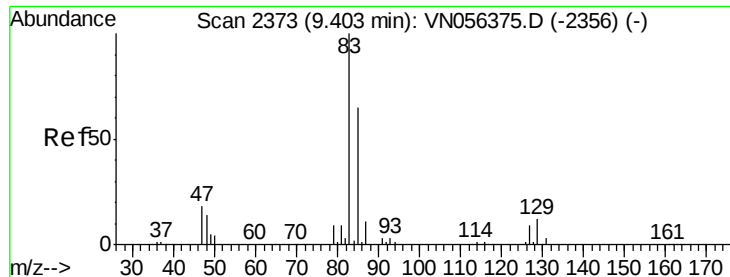
0

9.25

9.30

Time-->





#47

Bromodichloromethane

Concen: 0.274 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

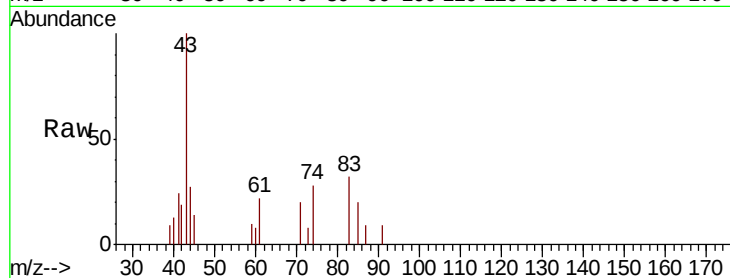
Tot Ion: 83 Resp: 1162

Ion Ratio Lower Upper

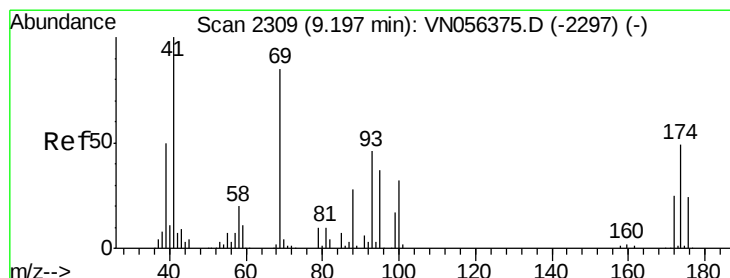
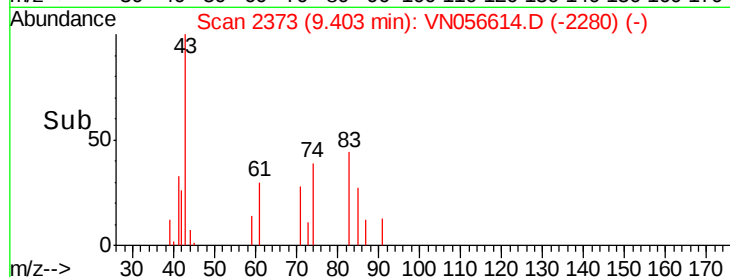
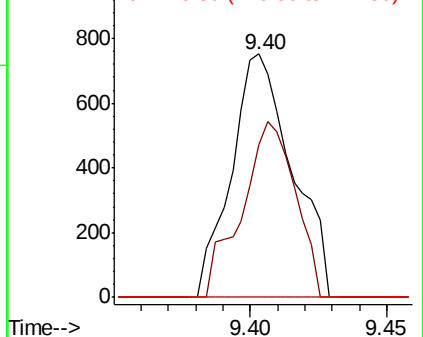
83 100

85 62.7 52.2 78.4

127 0.0 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 84.90 (84.60 to 85.60): VNC  
Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 2.576 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

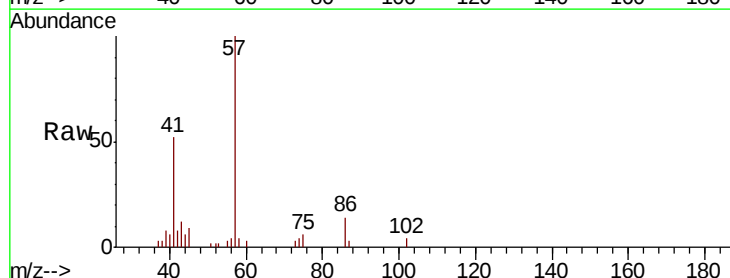
Tgt Ion: 41 Resp: 9096

Ion Ratio Lower Upper

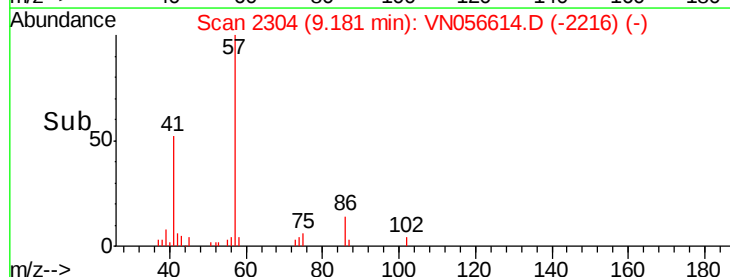
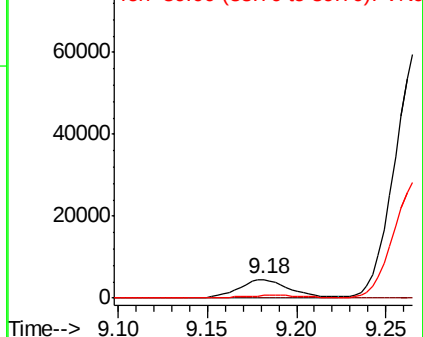
41 100

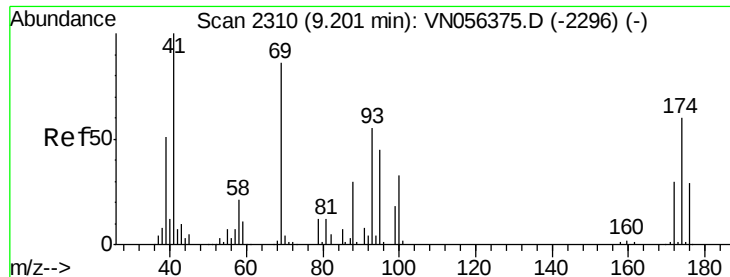
69 0.0 72.6 109.0#

39 0.0 42.6 63.8#



Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 0.396 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

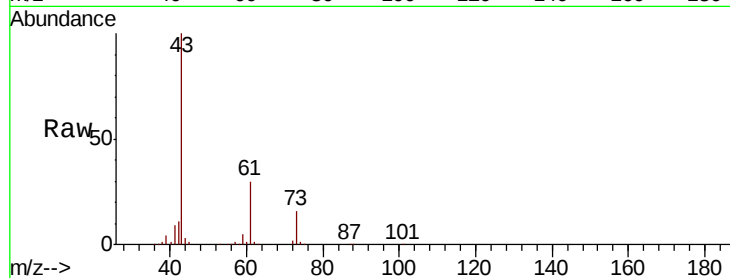
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

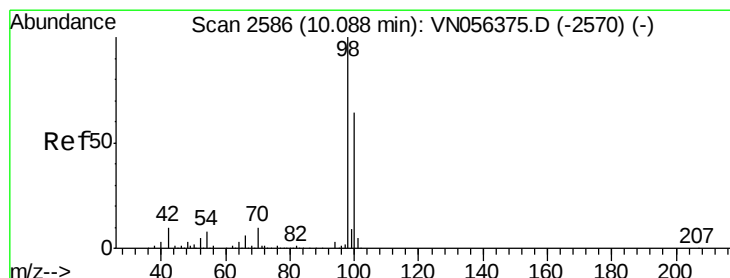
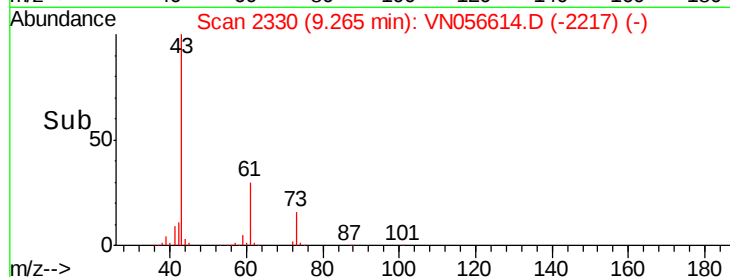
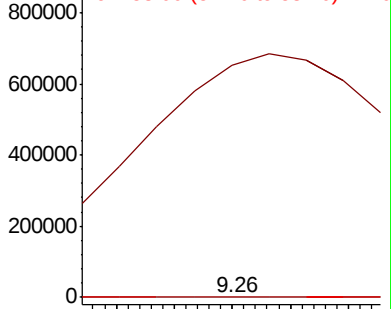
88 100

43 4408996.6 22.0 33.0#

58 18903.4 51.8 77.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO



#50

Toluene-d8

Concen: 52.285 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056614.D

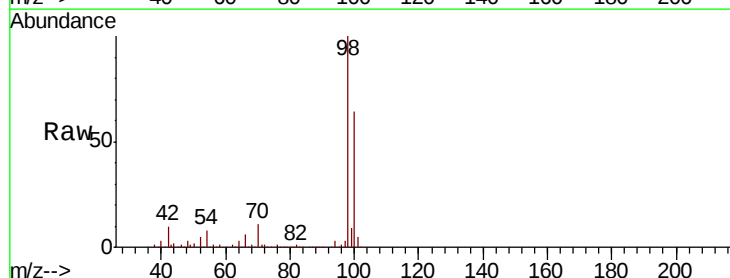
Acq: 8 Jul 2019 17:04

Tgt Ion: 98 Resp: 670387

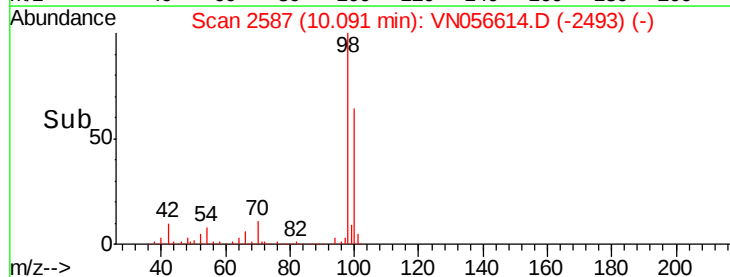
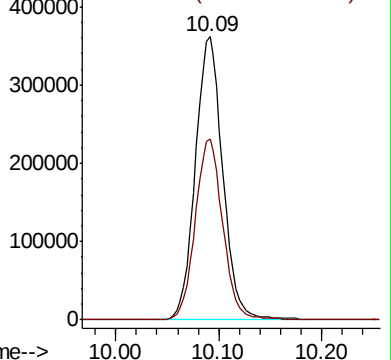
Ion Ratio Lower Upper

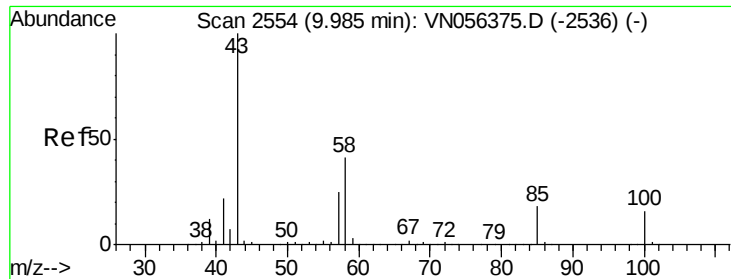
98 100

100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VNO  
Ion 100.00 (99.70 to 100.70): VNO





#51

4-Methyl-2-Pentanone

Concen: 0.798 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

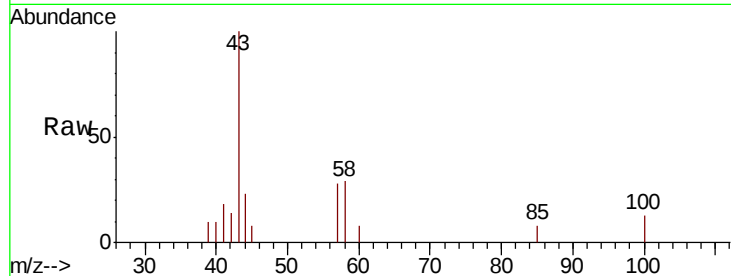
PL-01-070319-B

Tot Ion: 43 Resp: 3630

Ion Ratio Lower Upper

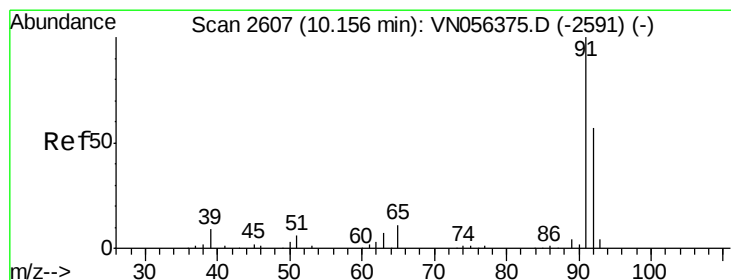
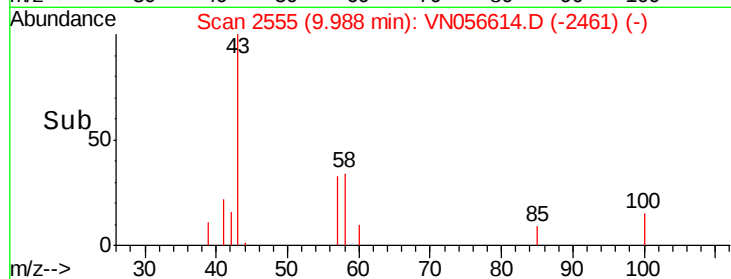
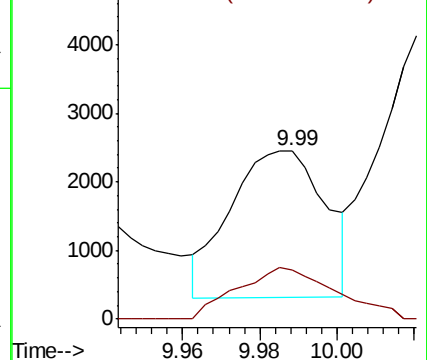
43 100

58 36.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.348 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056614.D

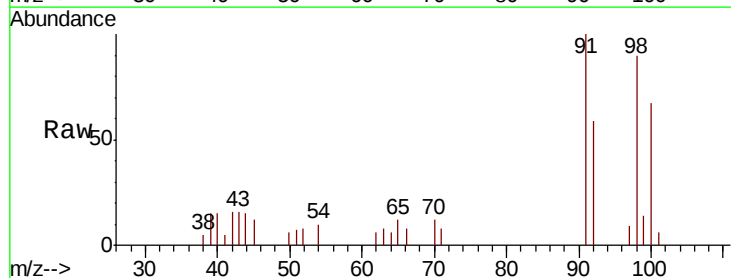
Acq: 8 Jul 2019 17:04

Tgt Ion: 92 Resp: 3040

Ion Ratio Lower Upper

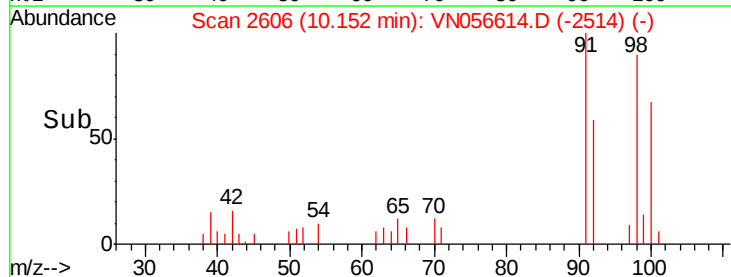
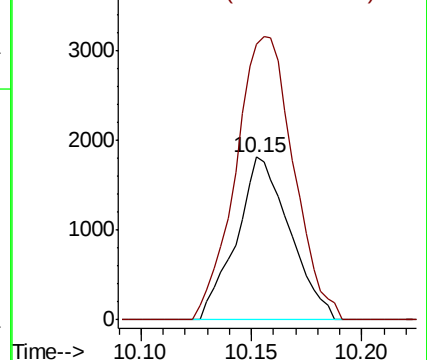
92 100

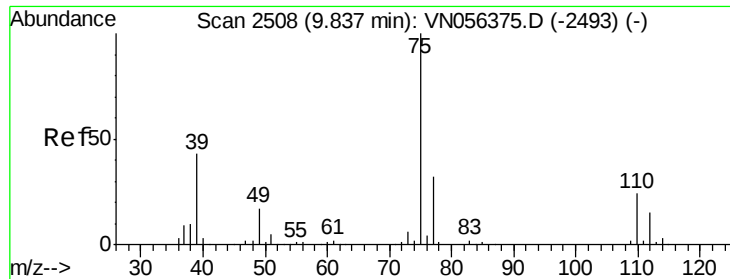
91 189.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 9.296 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

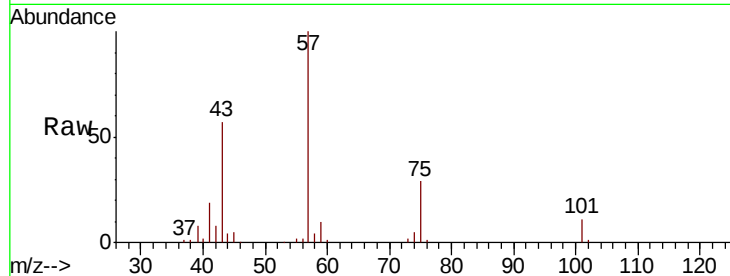
Tot Ion: 75 Resp: 47510

Ion Ratio Lower Upper

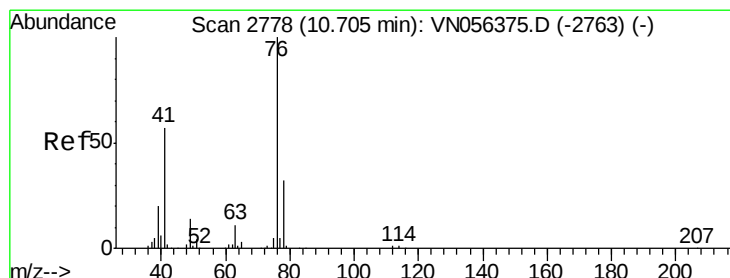
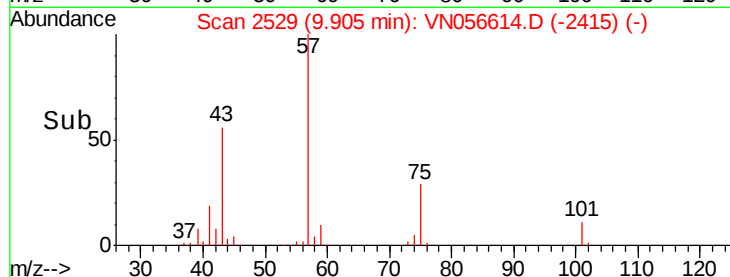
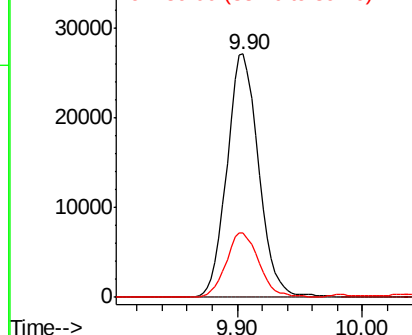
75 100

77 0.0 25.2 37.8#

39 26.2 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 76.90 (76.60 to 77.60): VNO  
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.747 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN056614.D

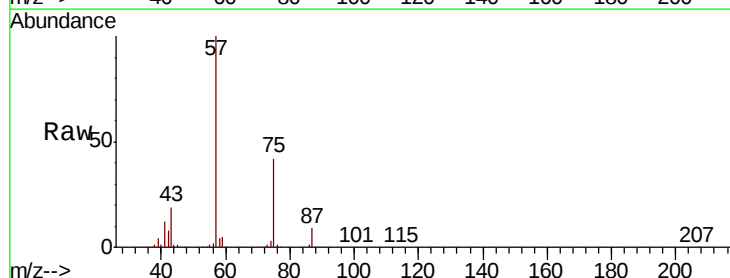
Acq: 8 Jul 2019 17:04

Tgt Ion: 76 Resp: 10314

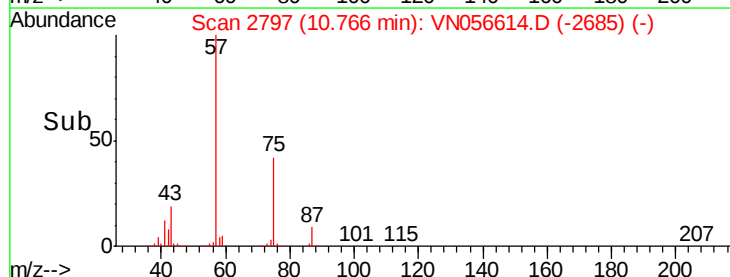
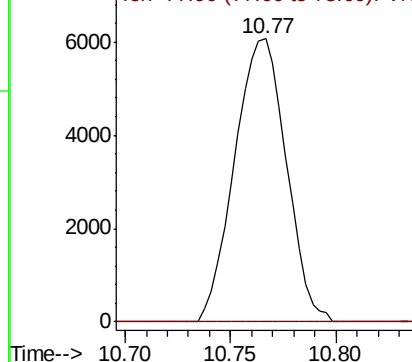
Ion Ratio Lower Upper

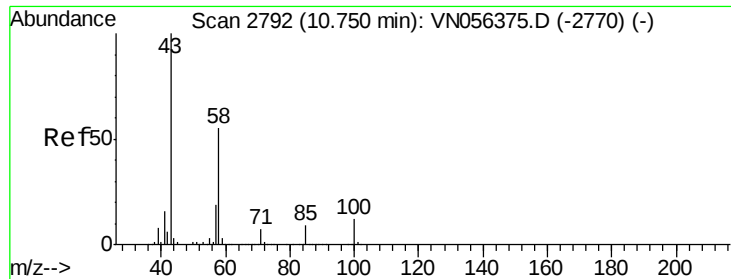
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO  
Ion 77.90 (77.60 to 78.60): VNO

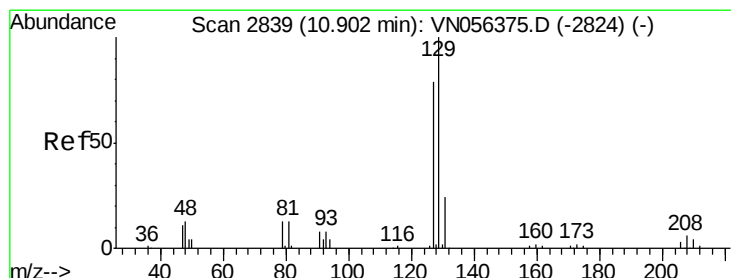
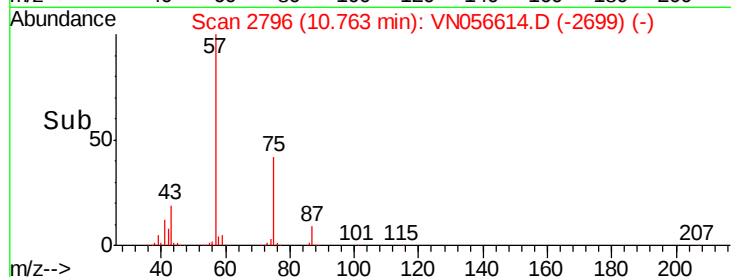
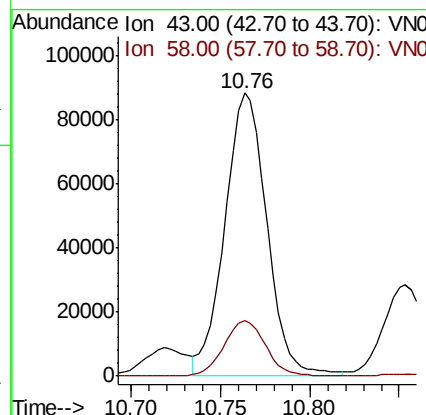
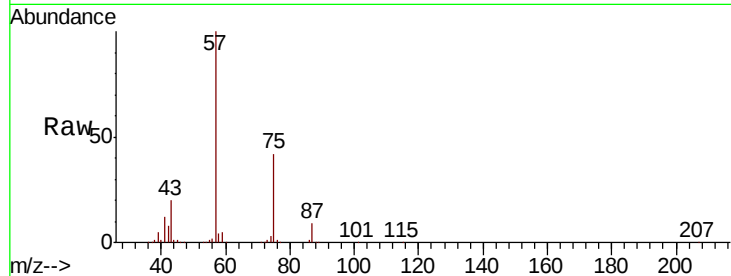




#59  
2-Hexanone  
Concen: 42.898 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

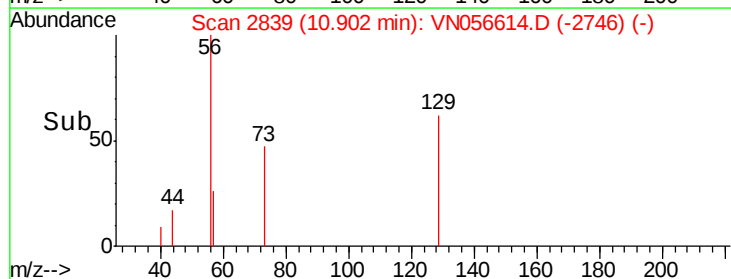
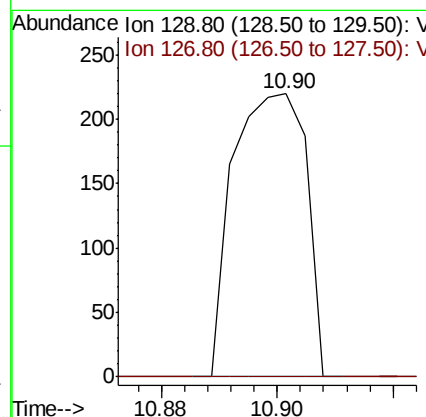
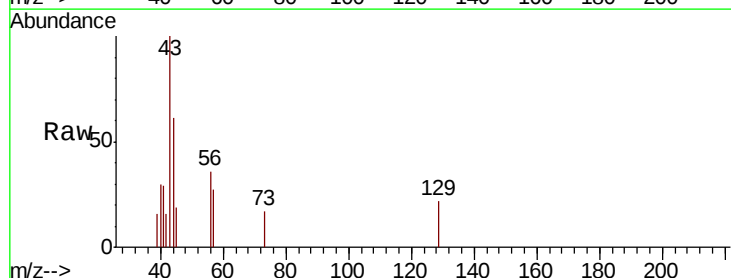
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-01-070319-B

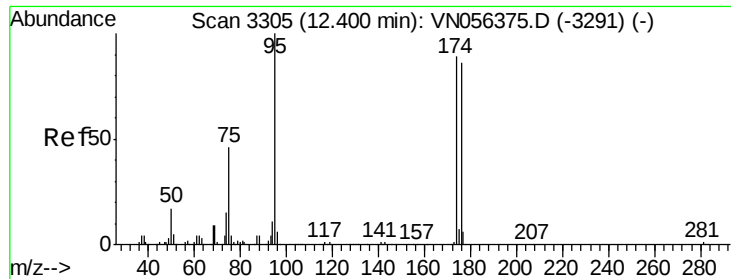
Tot Ion: 43 Resp: 143370  
Ion Ratio Lower Upper  
43 100  
58 19.7 27.8 83.4#



#60  
Dibromochloromethane  
Concen: 2.432 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

Tgt Ion: 129 Resp: 191  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 59.618 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

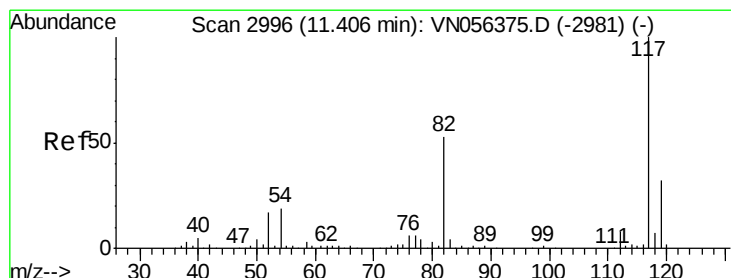
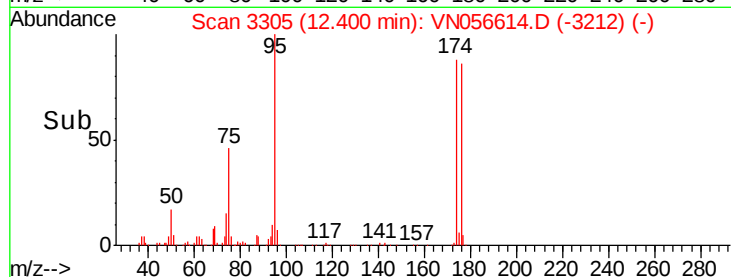
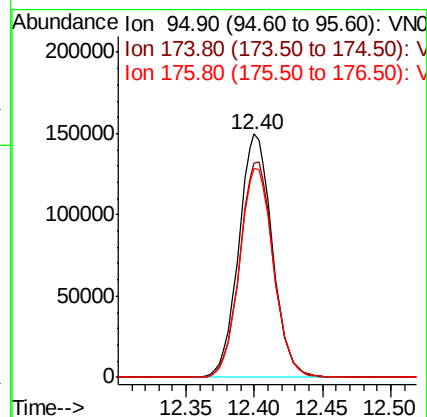
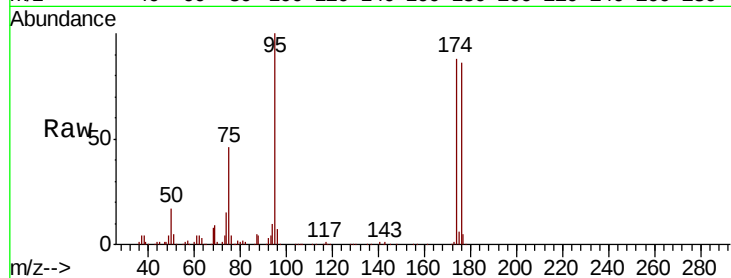
Tot Ion: 95 Resp: 254825

Ion Ratio Lower Upper

95 100

174 89.0 0.0 179.4

176 86.9 0.0 173.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

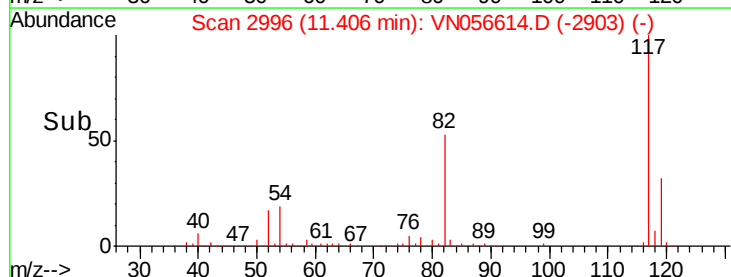
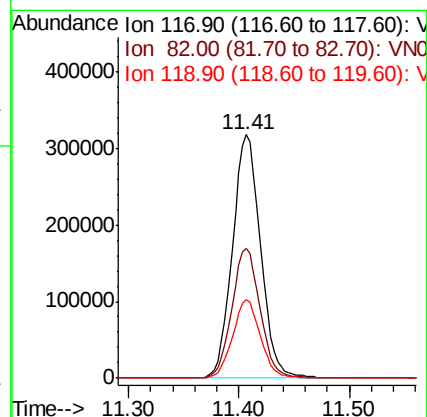
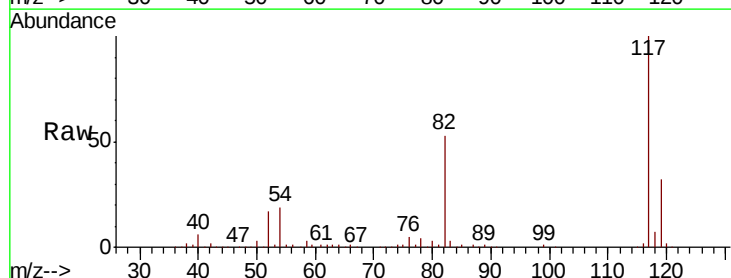
Tgt Ion: 117 Resp: 561560

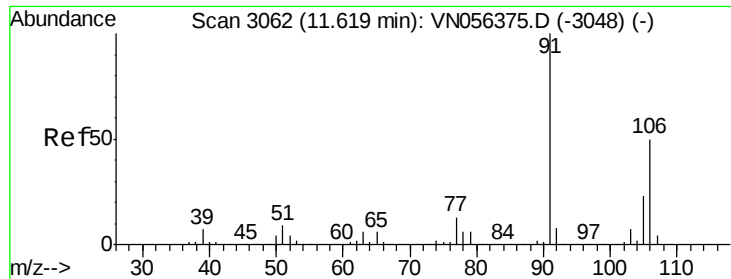
Ion Ratio Lower Upper

117 100

82 53.4 42.0 63.0

119 32.0 25.3 37.9

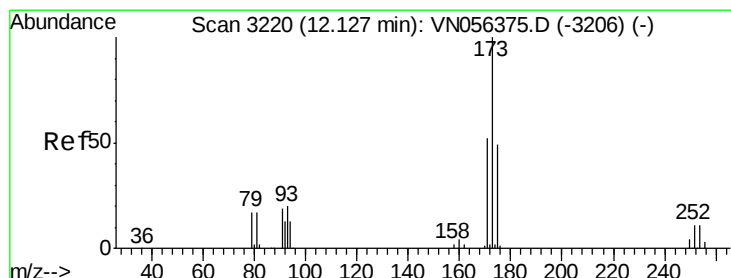
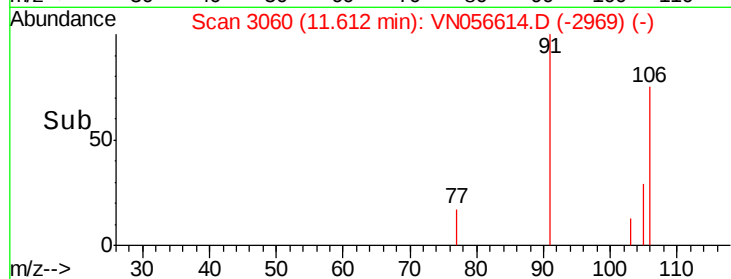
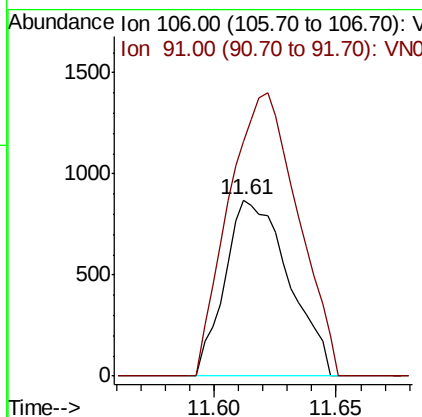
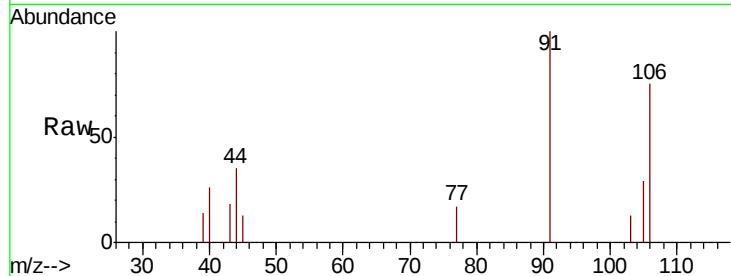




#68  
m/p-Xvlenes  
Concen: 0.217 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.01 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

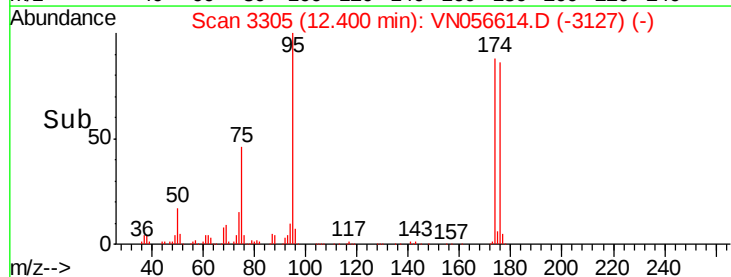
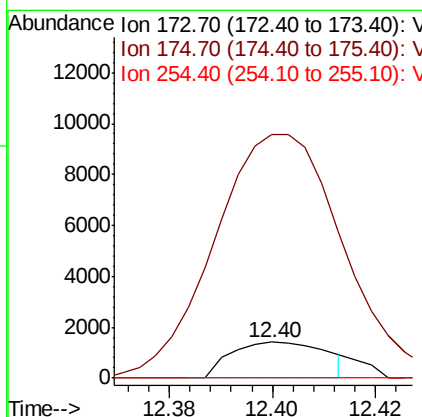
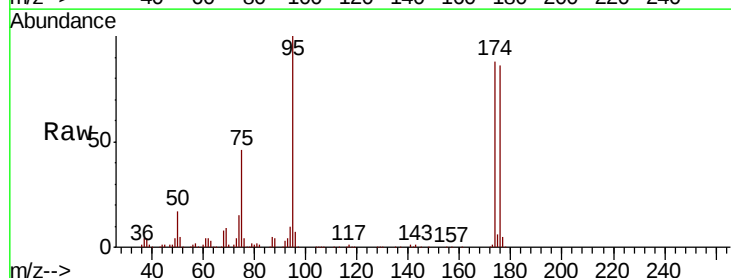
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-01-070319-B

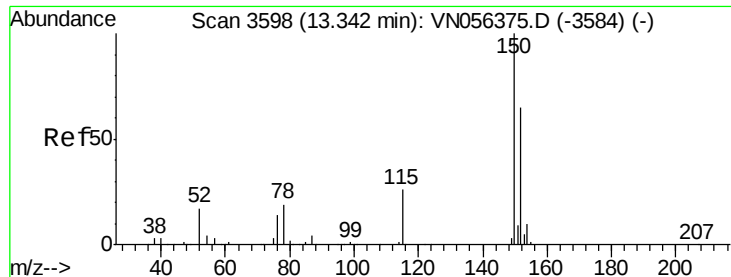
Tot Ion:106 Resp: 1578  
Ion Ratio Lower Upper  
106 100  
91 174.8 160.1 240.1



#71  
Bromoform  
Concen: 3.696 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN056614.D  
Acq: 8 Jul 2019 17:04

Tgt Ion:173 Resp: 1818  
Ion Ratio Lower Upper  
173 100  
175 799.3 24.4 73.4#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056614.D

Acq: 8 Jul 2019 17:04

Instrument :

MSVOA\_N

ClientSampleId :

PL-01-070319-B

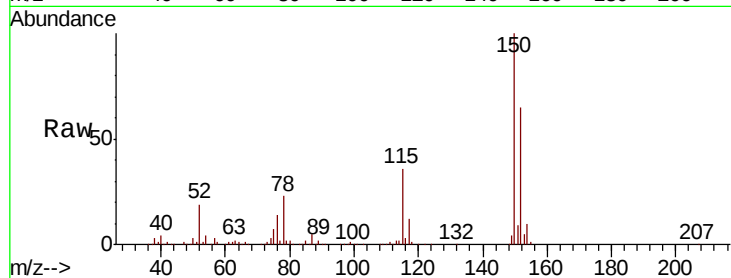
Tot Ion:152 Resp: 230899

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.4

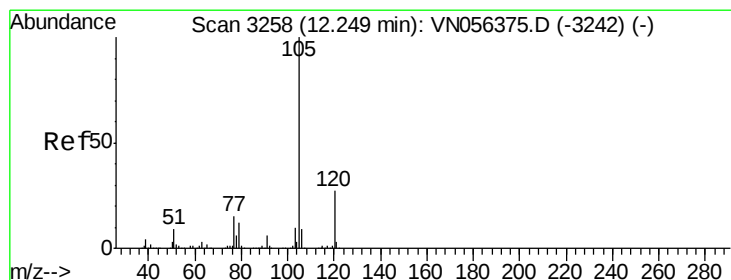
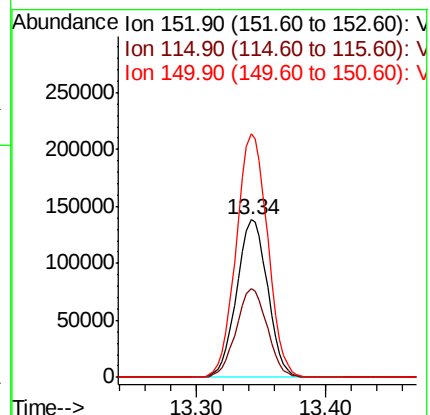
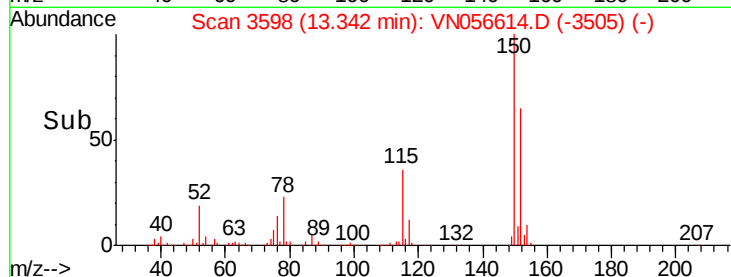
150 156.5 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. 0.16 min

Lab File: VN056614.D

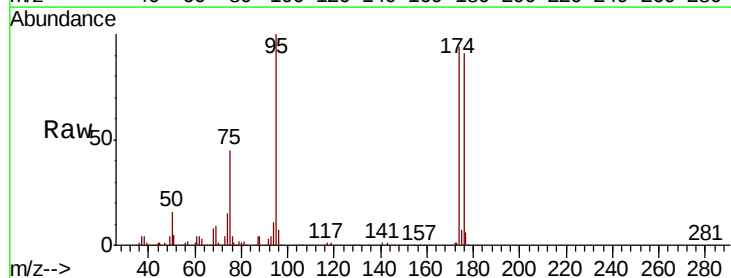
Acq: 8 Jul 2019 17:04

Tgt Ion:105 Resp: 261

Ion Ratio Lower Upper

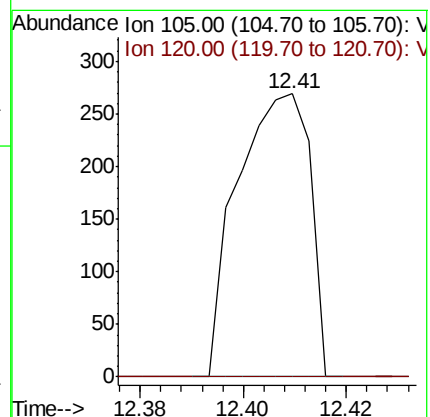
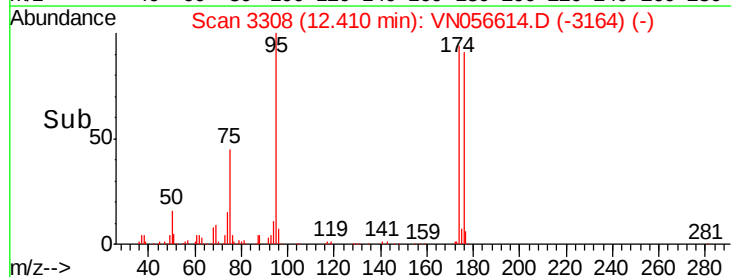
105 100

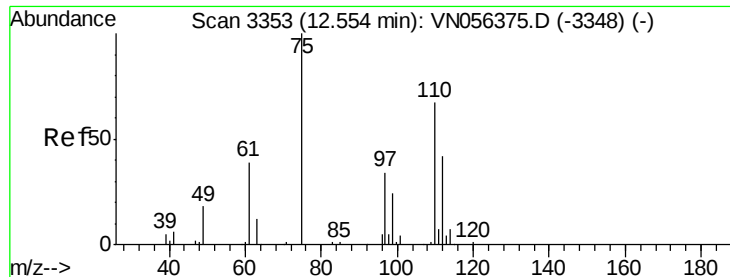
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

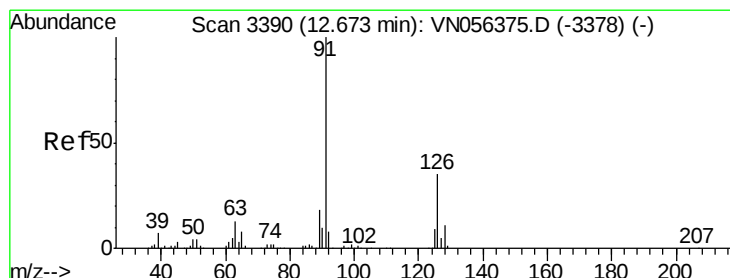
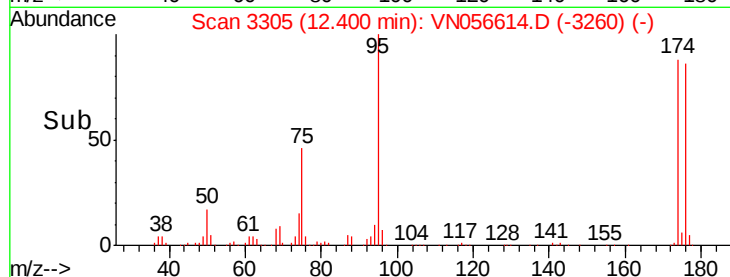
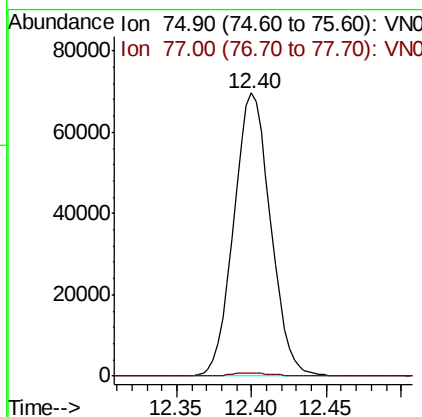
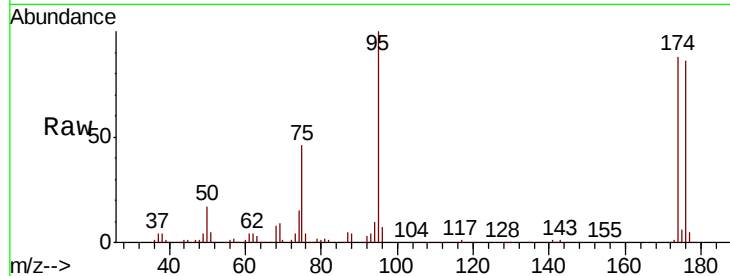




#76  
 1,2,3-Trichloropropane  
 Concen: 24.862 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.15 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

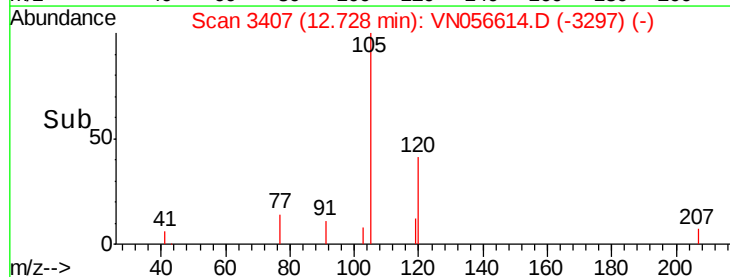
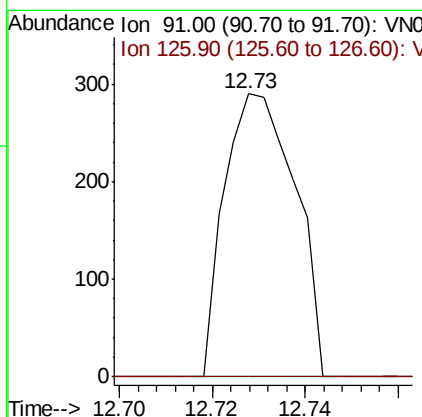
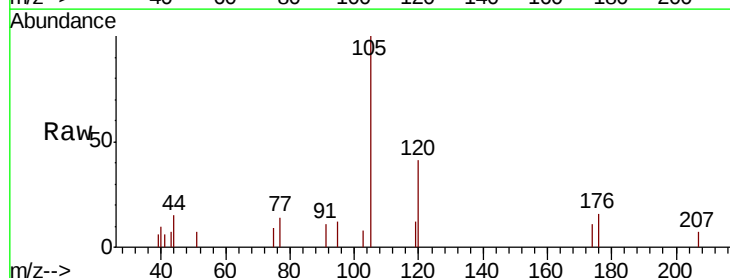
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PL-01-070319-B

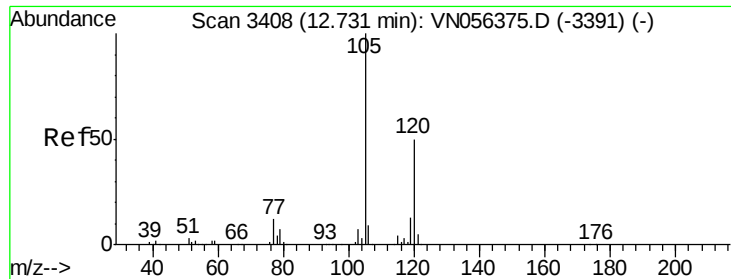
Tot Ion: 75 Resp: 119032  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#



#79  
 2-Chlorotoluene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3407  
 Delta R.T. 0.05 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

Tgt Ion: 91 Resp: 307  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.6 52.8#

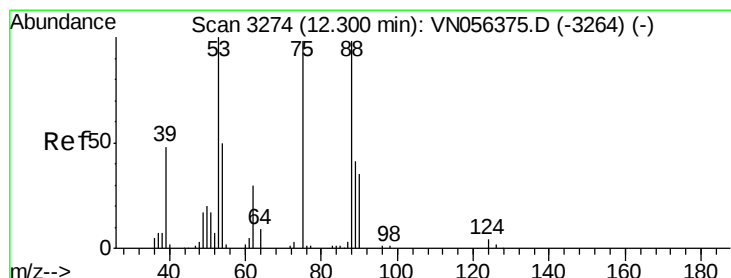
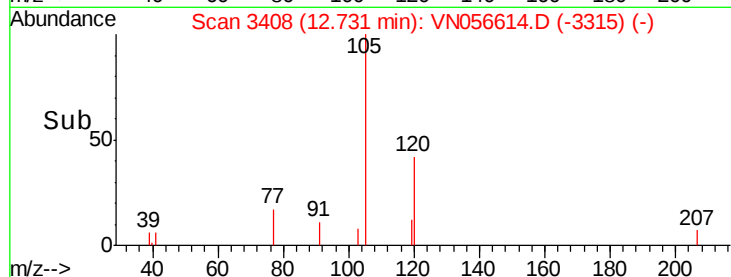
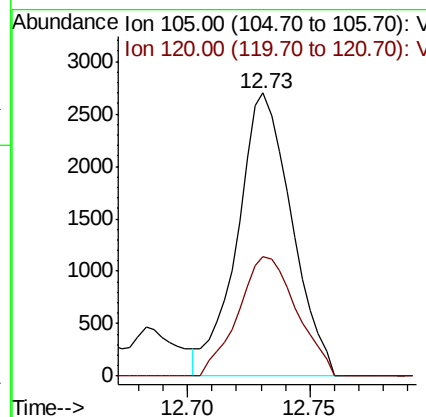
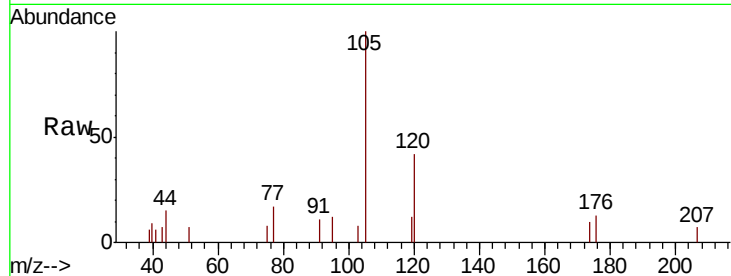




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

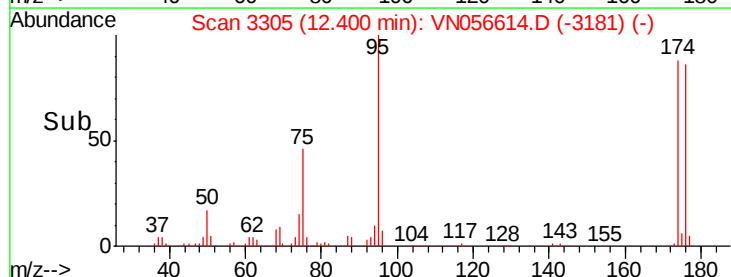
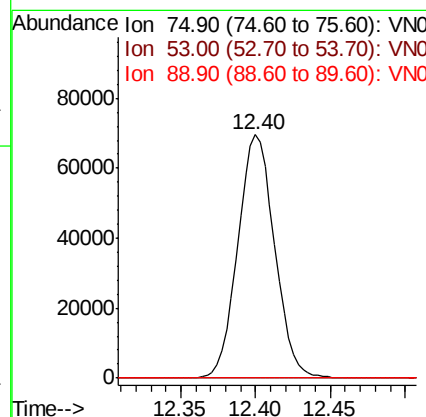
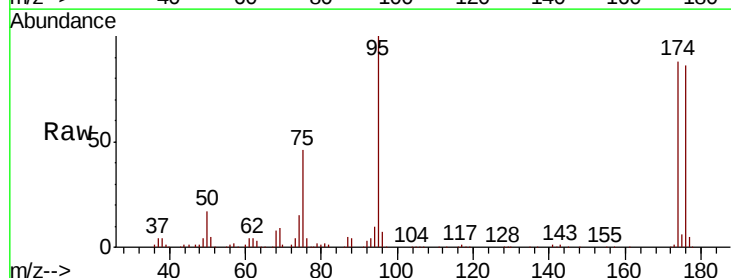
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-01-070319-B

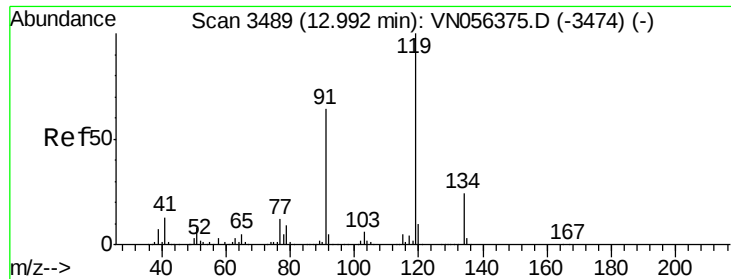
Tot Ion: 105 Resp: 4168  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 24.8 74.4



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 88.363 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

Tgt Ion: 75 Resp: 119032  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 83.9 125.9#  
 89 0.0 35.0 52.6#

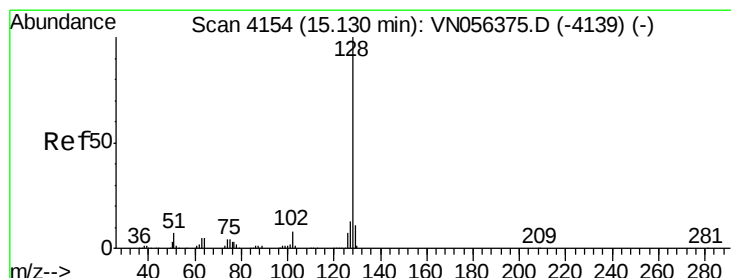
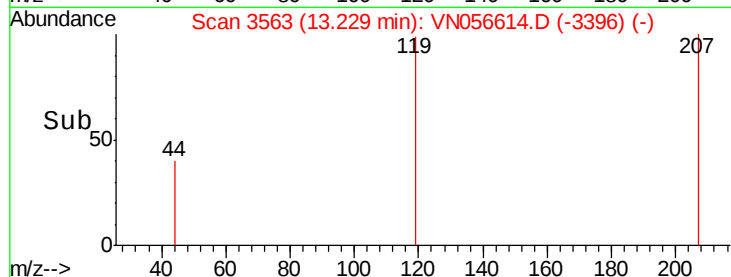
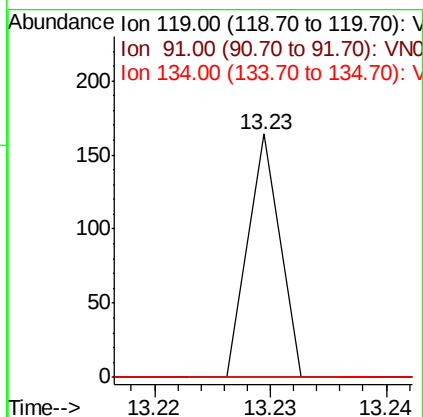
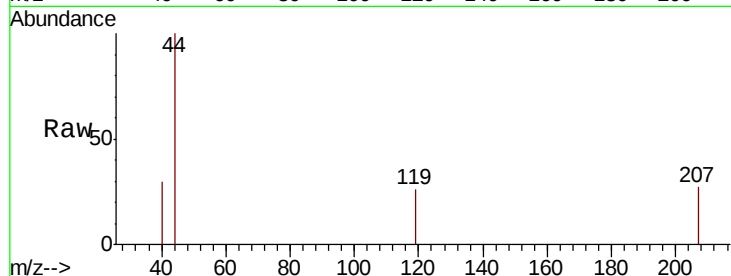




#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 13.23 min Scan# 3563  
 Delta R.T. 0.24 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-01-070319-B

Tot Ion:119 Resp: 32  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.6 94.7#  
 134 0.0 13.2 39.5#



#95  
 Naphthalene  
 Concen: 5.446 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN056614.D  
 Acq: 8 Jul 2019 17:04

Tgt Ion:128 Resp: 2371  
 Ion Ratio Lower Upper  
 128 100  
 127 2.5 10.2 15.2#  
 129 0.0 8.6 12.8#

