

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\  
 Data File : VN056883.D  
 Acq On : 23 Jul 2019 17:02  
 Operator : JC/SP  
 Sample : K3943-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

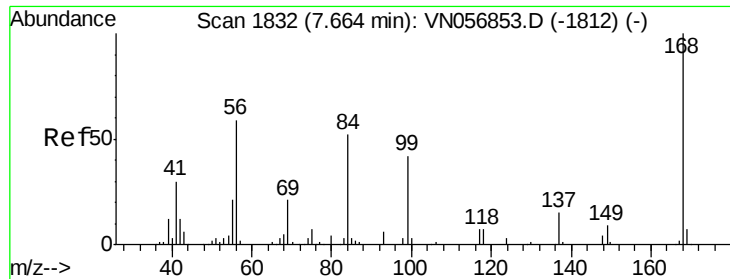
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PA-71619

Quant Time: Jul 24 01:16:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 23 01:46:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.66   | 168  | 236074   | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.58   | 114  | 447211   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41  | 117  | 500437   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.34  | 152  | 169228   | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.03   | 65   | 144257   | 57.29     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 114.58% |          |
| 35) Dibromofluoromethane       | 7.59   | 113  | 133135   | 46.97     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 93.94%  |          |
| 50) Toluene-d8                 | 10.09  | 98   | 573137   | 52.85     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 105.70% |          |
| 62) 4-Bromofluorobenzene       | 12.40  | 95   | 210325   | 59.26     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 118.52% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 8) Diethyl Ether               | 3.40   | 74   | 791      | 0.574     | ug/l    | 94       |
| 11) Tert butyl alcohol         | 4.82   | 59   | 193      | 0.540     | ug/l #  | 72       |
| 14) Allyl chloride             | 4.55   | 41   | 3810     | 1.012     | ug/l #  | 28       |
| 16) Acetone                    | 3.82   | 43   | 16143    | 17.803    | ug/l    | 97       |
| 18) Methyl Acetate             | 4.33   | 43   | 15731    | 3.586     | ug/l    | 97       |
| 20) Methylene Chloride         | 4.55   | 84   | 95495    | 35.220    | ug/l    | 99       |
| 25) 2-Butanone                 | 6.86   | 43   | 2503     | 1.878     | ug/l    | 99       |
| 29) Tetrahydrofuran            | 7.23   | 42   | 210      | 0.229     | ug/l #  | 34       |
| 30) Chloroform                 | 7.37   | 83   | 1049     | 0.237     | ug/l #  | 72       |
| 31) Cyclohexane                | 7.66   | 56   | 3524     | 0.823     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.66   | 75   | 14919    | 3.617     | ug/l #  | 46       |
| 37) Ethyl Acetate              | 6.86   | 43   | 2503     | 0.753     | ug/l #  | 67       |
| 38) Carbon Tetrachloride       | 7.67   | 117  | 19971    | 5.087     | ug/l #  | 16       |
| 43) Isopropyl Acetate          | 8.17   | 43   | 15815    | 2.766     | ug/l    | 97       |
| 45) 1,2-Dichloropropane        | 9.27   | 63   | 1254     | 0.363     | ug/l #  | 43       |
| 48) Methyl methacrylate        | 9.18   | 41   | 7854     | 2.746     | ug/l #  | 22       |
| 51) 4-Methyl-2-Pentanone       | 9.99   | 43   | 3833     | 1.124     | ug/l    | 91       |
| 54) cis-1,3-Dichloropropene    | 9.90   | 75   | 41985    | 8.662     | ug/l #  | 62       |
| 56) Ethyl methacrylate         | 10.54  | 69   | 1010     | 0.238     | ug/l #  | 1        |
| 57) 1,3-Dichloropropane        | 10.76  | 76   | 7962     | 1.572     | ug/l #  | 42       |
| 59) 2-Hexanone                 | 10.76  | 43   | 110411   | 46.784    | ug/l #  | 51       |
| 70) Styrene                    | 11.95  | 104  | 59       | 0.524     | ug/l #  | 26       |
| 71) Bromoform                  | 12.40  | 173  | 1777     | 0.654     | ug/l #  | 1        |
| 73) Isopropylbenzene           | 12.25  | 105  | 153      | Below Cal | #       | 48       |
| 76) 1,2,3-Trichloropropane     | 12.40  | 75   | 98619    | 28.119    | ug/l #  | 100      |
| 79) 2-Chlorotoluene            | 12.73  | 91   | 63       | Below Cal | #       | 39       |
| 80) 1,3,5-Trimethylbenzene     | 12.73  | 105  | 1716     | Below Cal |         | 89       |
| 81) trans-1,4-Dichloro-2-buten | 12.40  | 75   | 98619    | 90.062    | ug/l #  | 13       |
| 83) tert-Butylbenzene          | 12.74  | 119  | 67       | Below Cal | #       | 57       |
| 95) Naphthalene                | 15.13  | 128  | 14694    | 5.281     | ug/l    | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

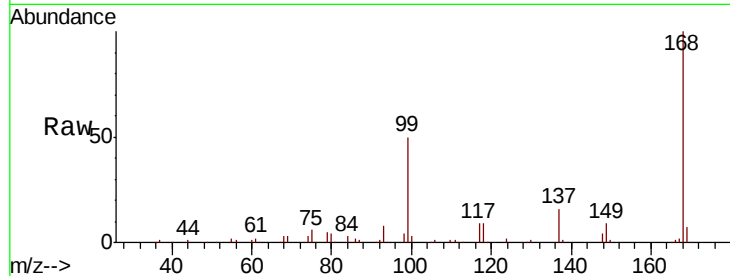
PA-71619

Tot Ion:168 Resp: 236074

Ion Ratio Lower Upper

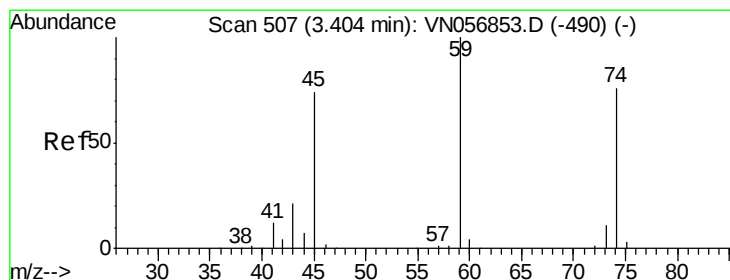
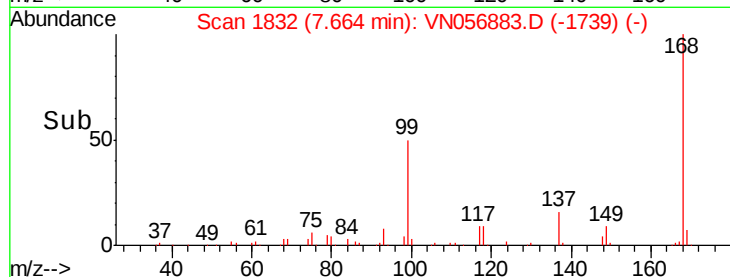
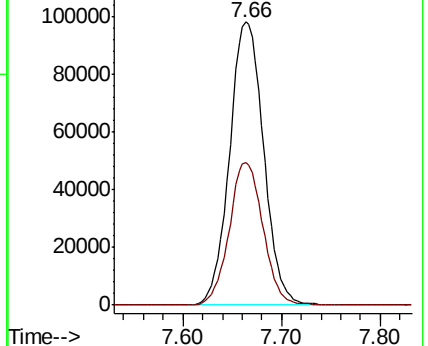
168 100

99 50.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 0.574 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN056883.D

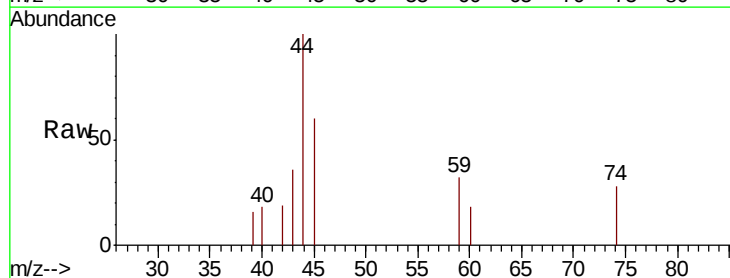
Acq: 23 Jul 2019 17:02

Tgt Ion: 74 Resp: 791

Ion Ratio Lower Upper

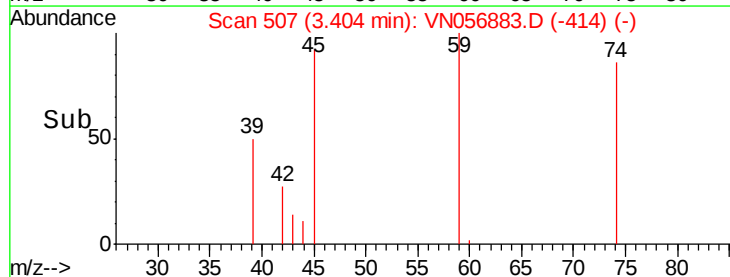
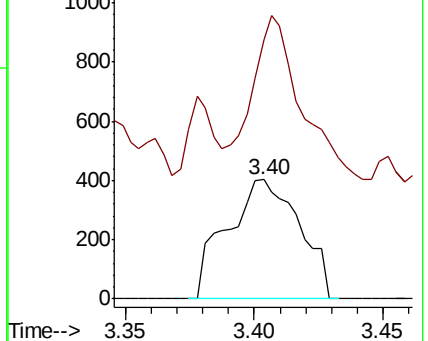
74 100

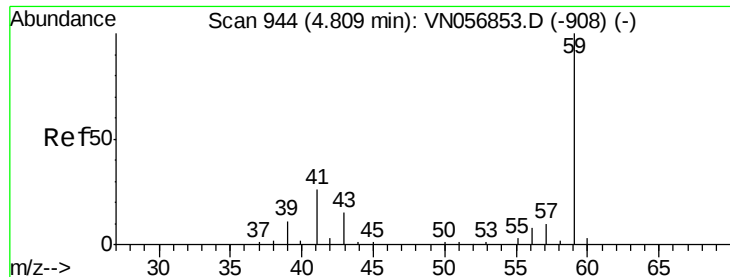
45 92.3 49.2 147.6



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

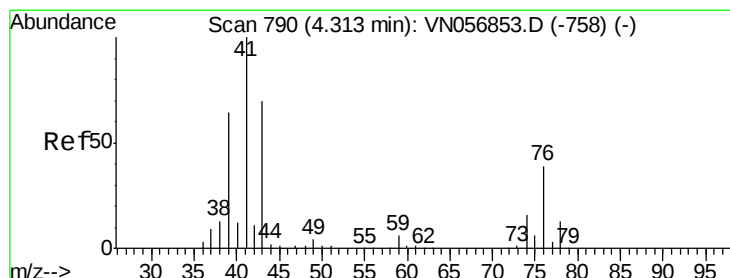
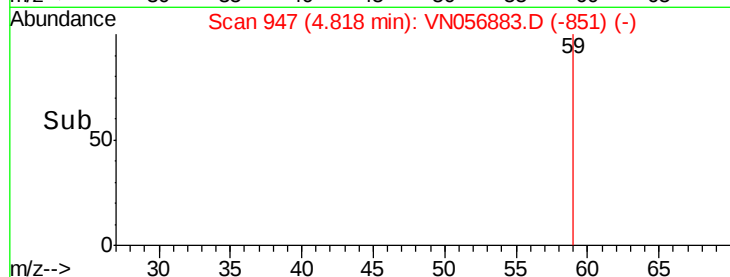
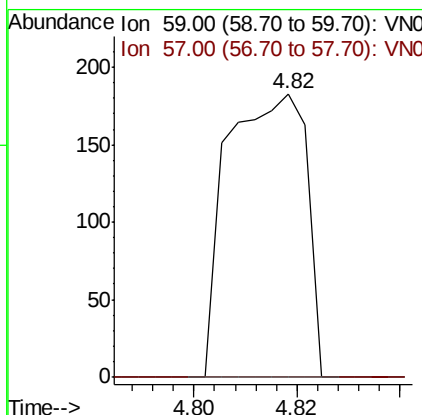
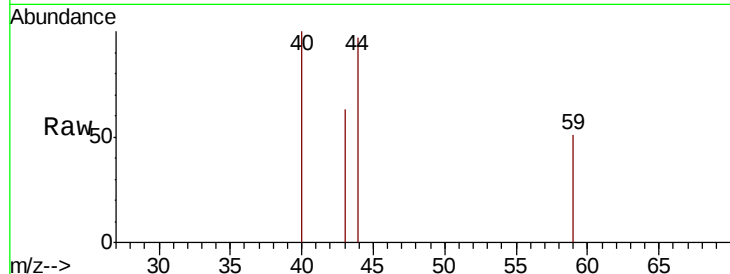




#11  
Tert butyl alcohol  
Concen: 0.540 ug/l  
RT: 4.82 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VN056883.D  
Acq: 23 Jul 2019 17:02

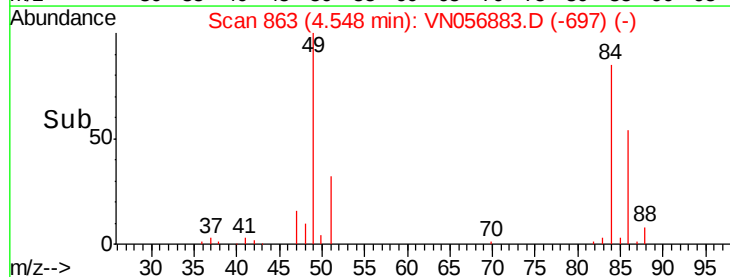
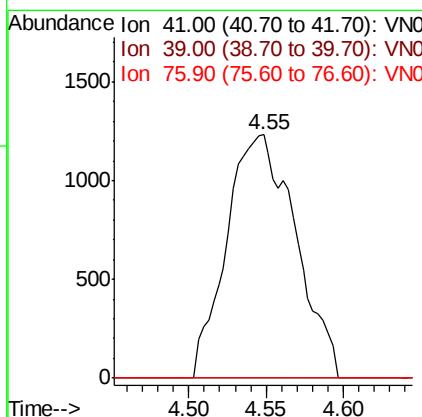
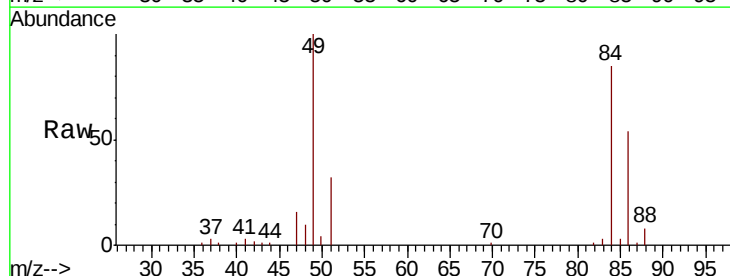
Instrument :  
MSVOA\_N  
ClientSampleId :  
PA-71619

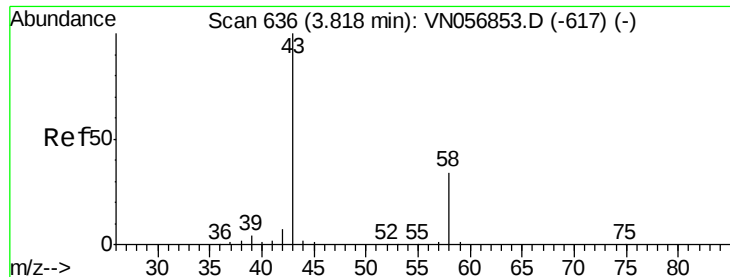
Tot Ion: 59 Resp: 193  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#14  
Allyl chloride  
Concen: 1.012 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.23 min  
Lab File: VN056883.D  
Acq: 23 Jul 2019 17:02

Tgt Ion: 41 Resp: 3810  
Ion Ratio Lower Upper  
41 100  
39 0.0 47.8 71.6#  
76 0.0 27.9 41.9#





#16

Acetone

Concen: 17.803 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampleId :

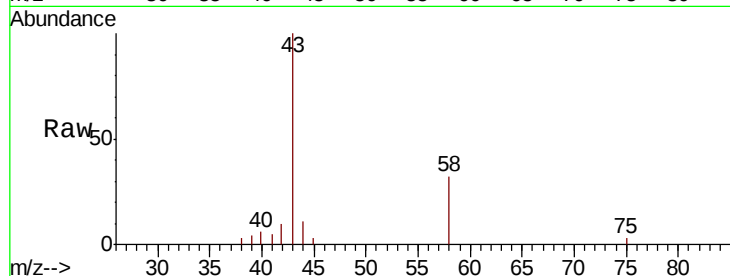
PA-71619

Tot Ion: 43 Resp: 16143

Ion Ratio Lower Upper

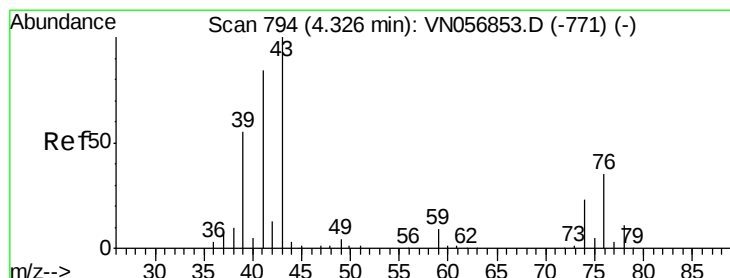
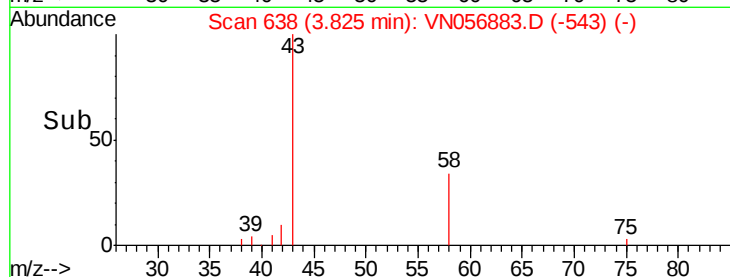
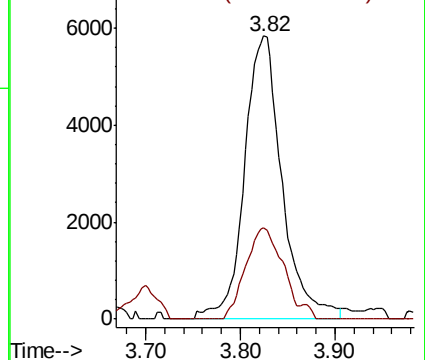
43 100

58 32.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.586 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN056883.D

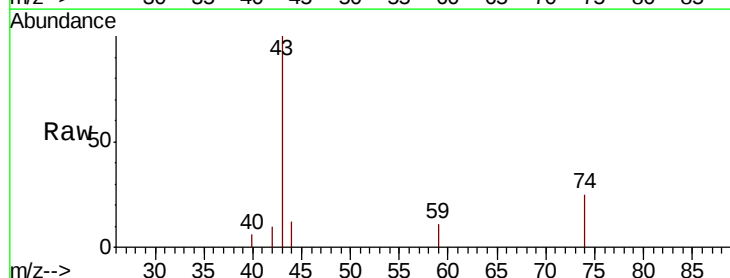
Acq: 23 Jul 2019 17:02

Tgt Ion: 43 Resp: 15731

Ion Ratio Lower Upper

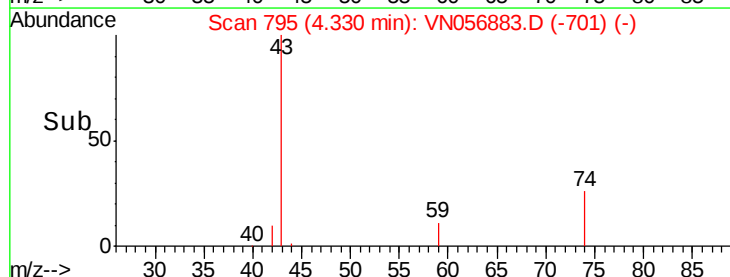
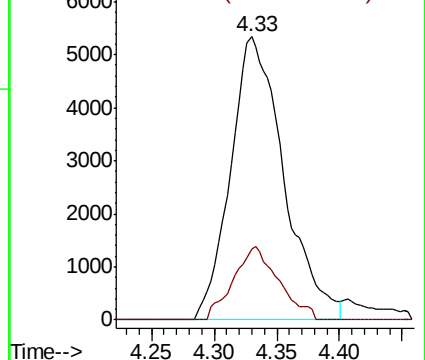
43 100

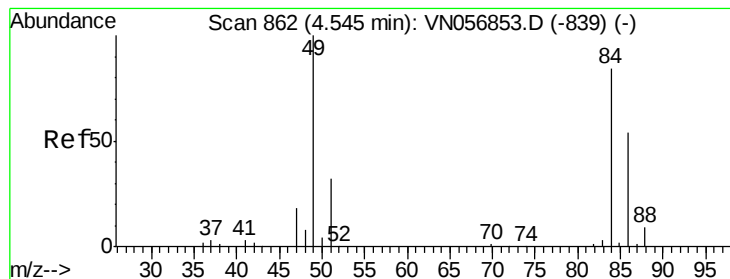
74 22.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 35.220 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampleId :

PA-71619

Tot Ion: 84 Resp: 95495

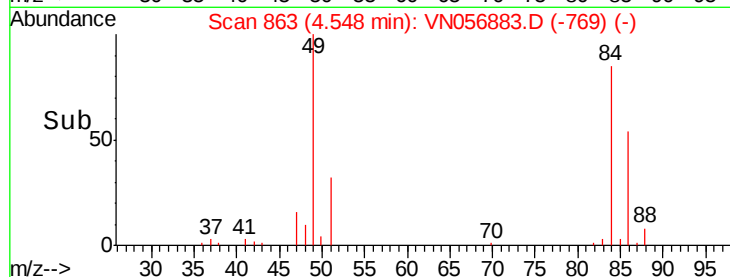
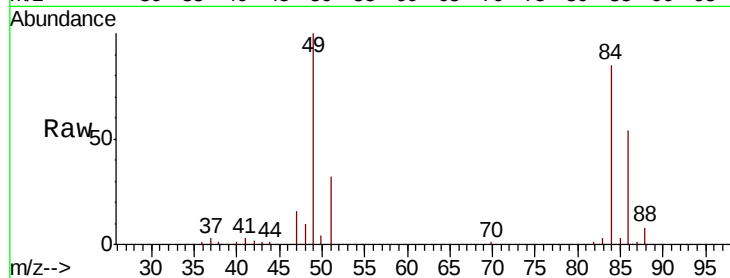
Ion Ratio Lower Upper

84 100

49 118.1 94.9 142.3

51 38.0 29.9 44.9

86 63.4 51.4 77.2

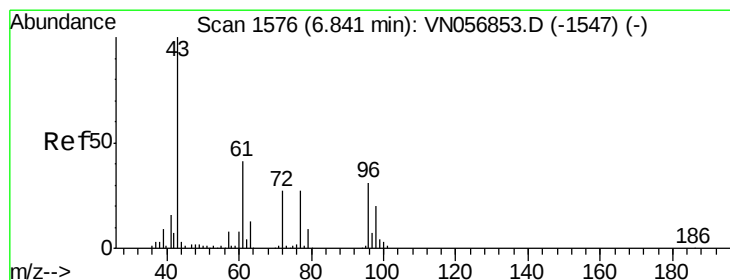
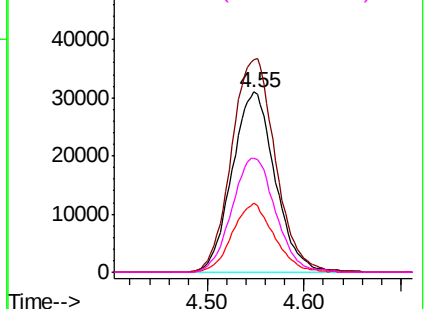


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.878 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN056883.D

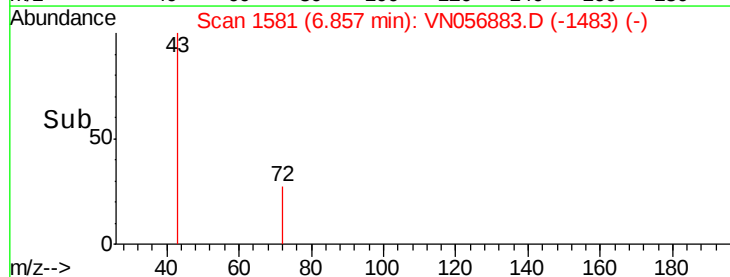
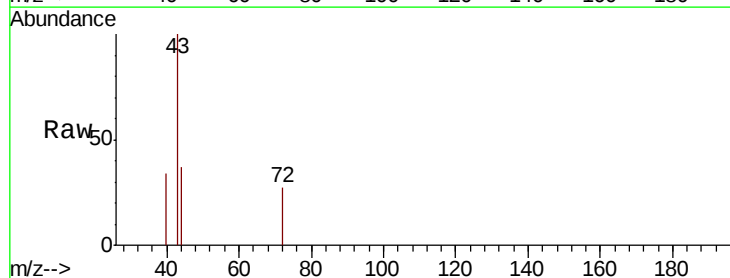
Acq: 23 Jul 2019 17:02

Tgt Ion: 43 Resp: 2503

Ion Ratio Lower Upper

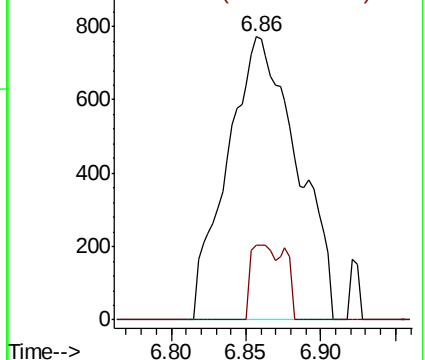
43 100

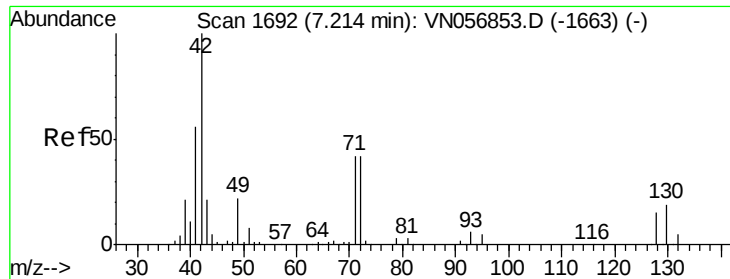
72 26.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

PA-71619

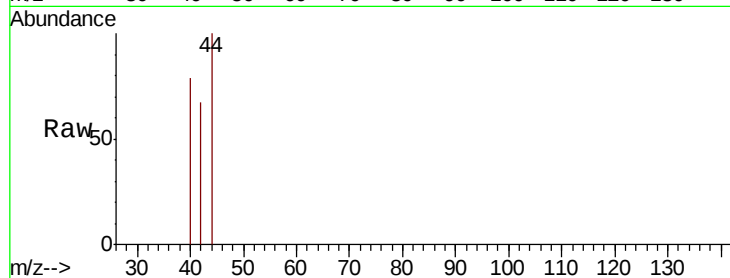
Tot Ion: 42 Resp: 210

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 32.7 49.1#



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

7.23

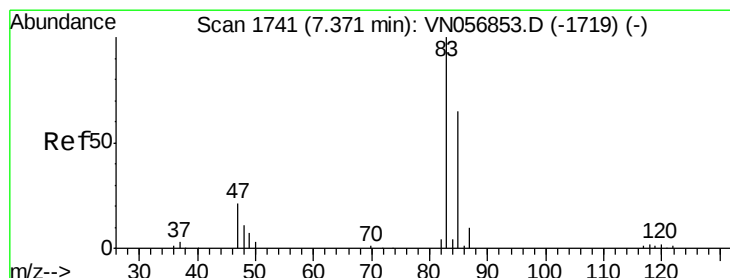
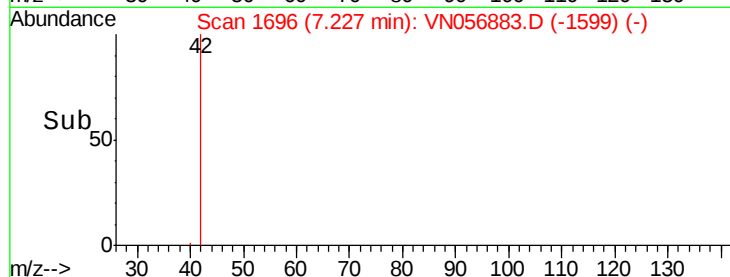
300

200

100

0

Time-->



#30

Chloroform

Concen: 0.237 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056883.D

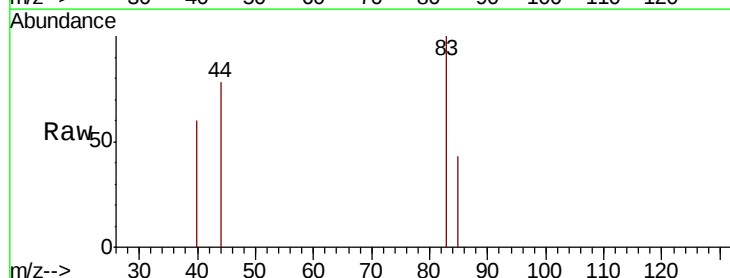
Acq: 23 Jul 2019 17:02

Tgt Ion: 83 Resp: 1049

Ion Ratio Lower Upper

83 100

85 43.5 52.3 78.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

500

400

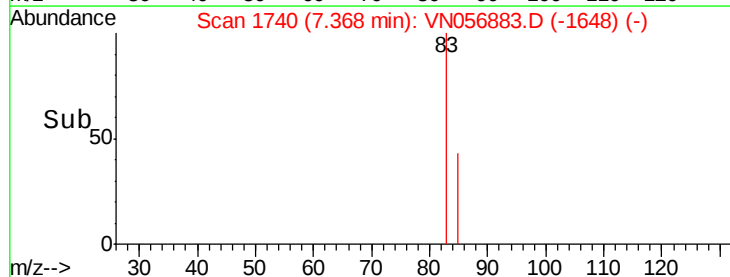
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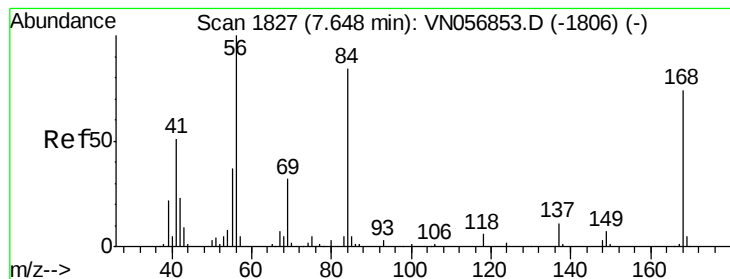
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.823 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

PA-71619

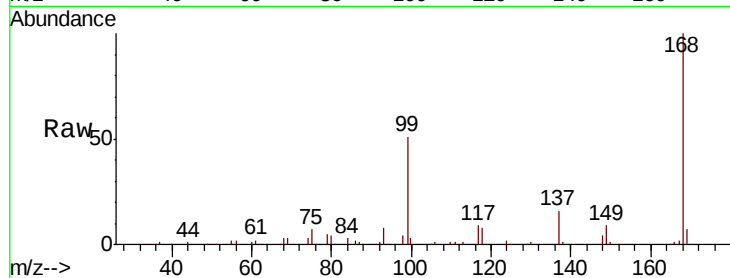
Tot Ion: 56 Resp: 3524

Ion Ratio Lower Upper

56 100

69 198.0 25.5 38.3#

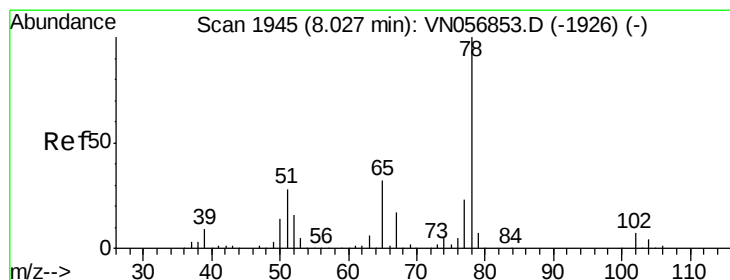
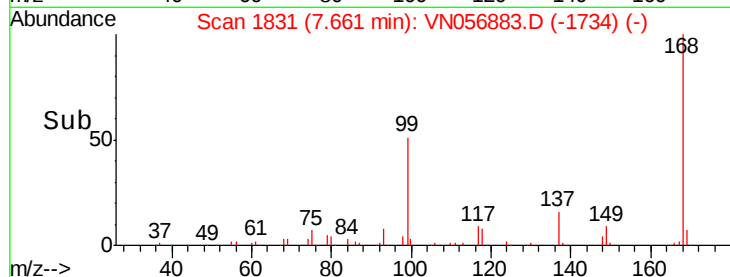
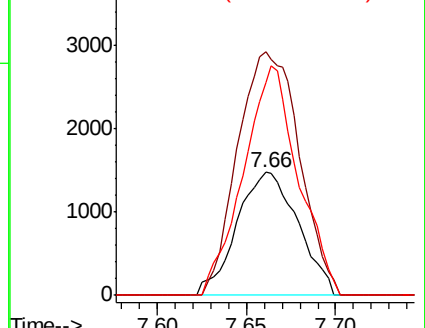
84 173.2 67.3 100.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 57.288 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056883.D

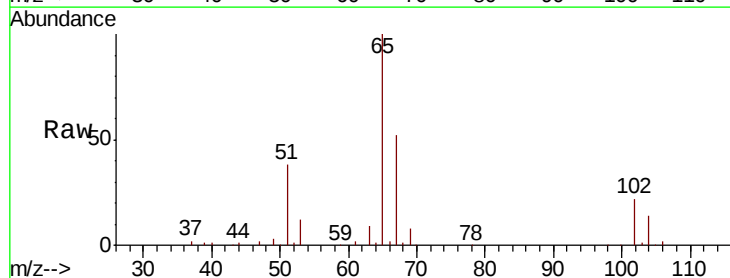
Acq: 23 Jul 2019 17:02

Tgt Ion: 65 Resp: 144257

Ion Ratio Lower Upper

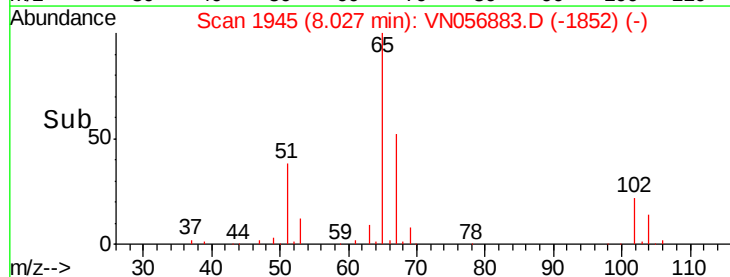
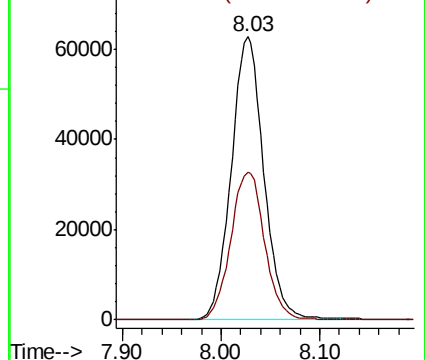
65 100

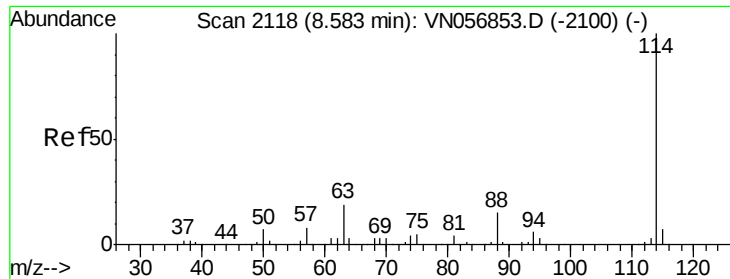
67 54.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

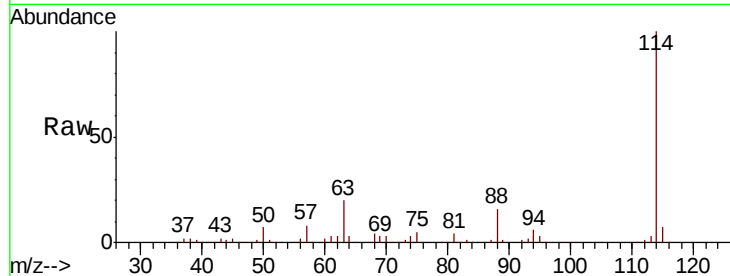




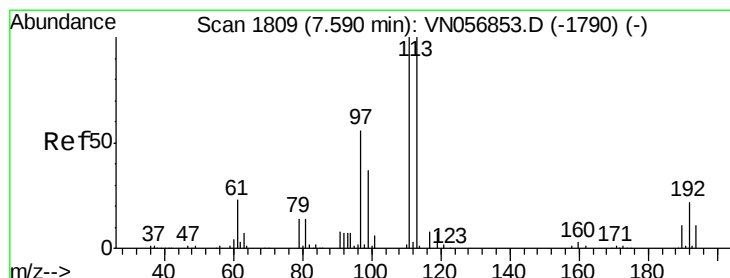
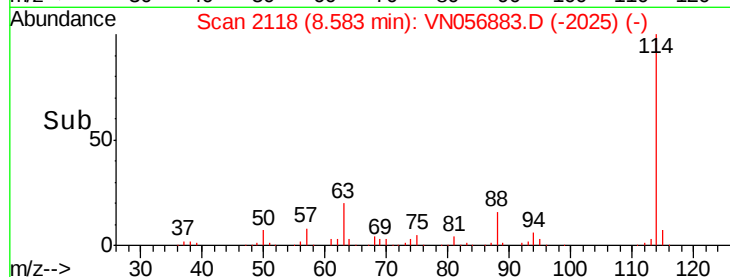
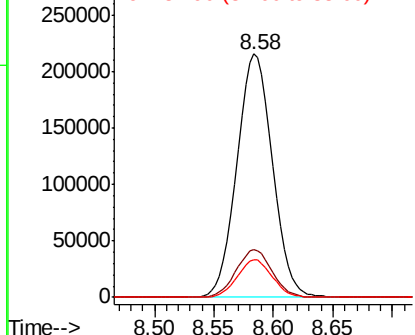
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PA-71619

Tot Ion:114 Resp: 447211  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 37.8  
 88 15.5 0.0 31.0

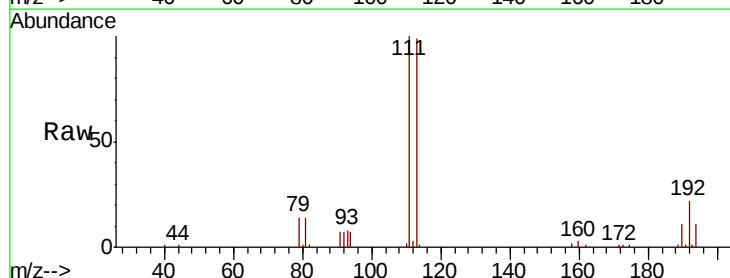


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

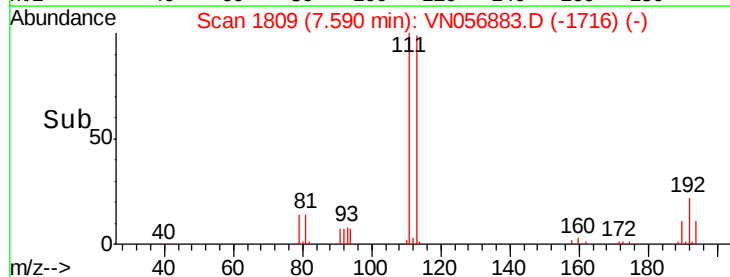
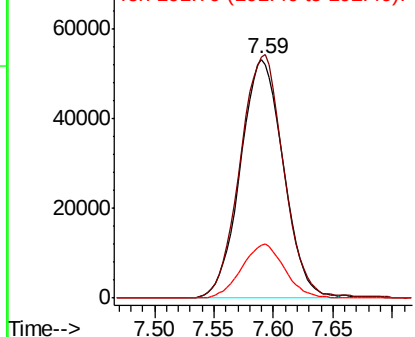


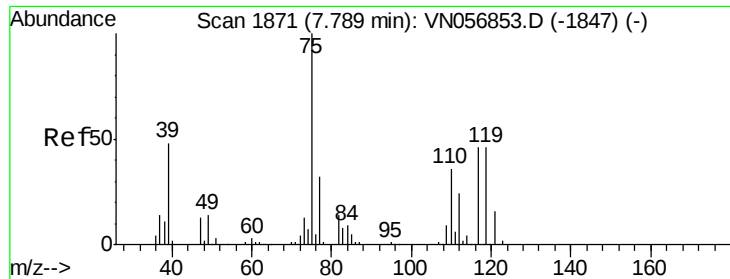
#35  
 Dibromofluoromethane  
 Concen: 46.968 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion:113 Resp: 133135  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 81.9 122.9  
 192 22.6 18.5 27.7



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

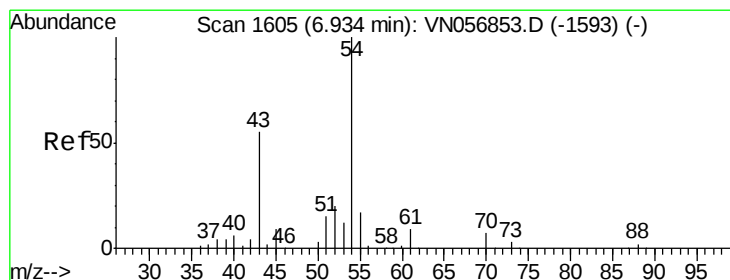
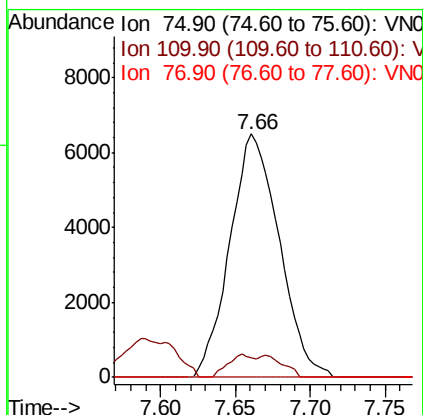
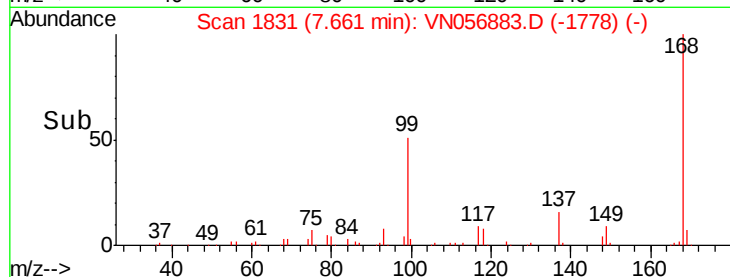
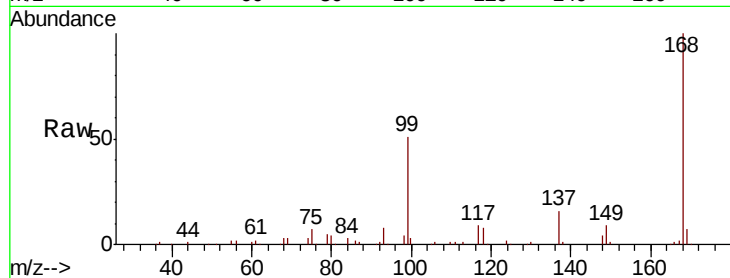




#36  
 1,1-Dichloropropene  
 Concen: 3.617 ug/l  
 RT: 7.66 min Scan# 1831  
 Delta R.T. -0.13 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

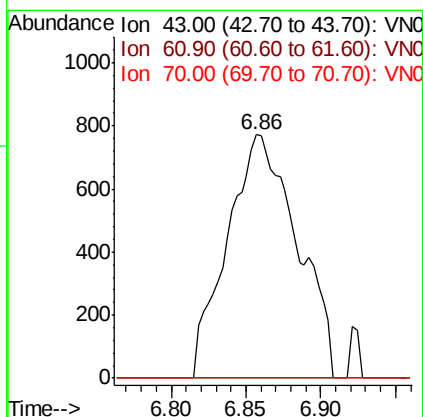
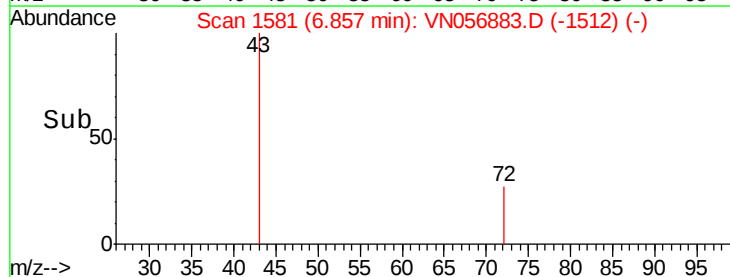
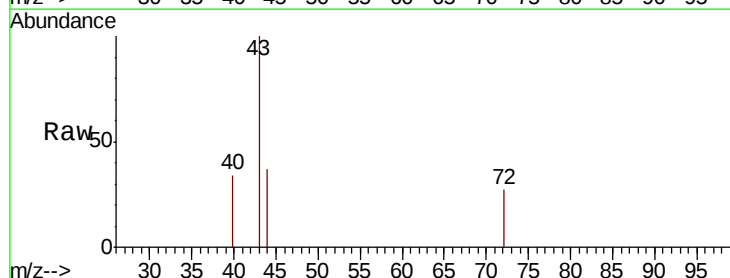
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PA-71619

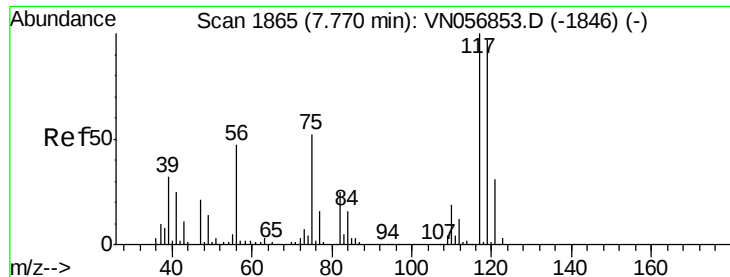
Tot Ion: 75 Resp: 14919  
 Ion Ratio Lower Upper  
 75 100  
 110 5.1 17.9 53.7#  
 77 0.0 25.0 37.6#



#37  
 Ethyl Acetate  
 Concen: 0.753 ug/l  
 RT: 6.86 min Scan# 1581  
 Delta R.T. -0.08 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion: 43 Resp: 2503  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 11.8 17.8#  
 70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 5.087 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

PA-71619

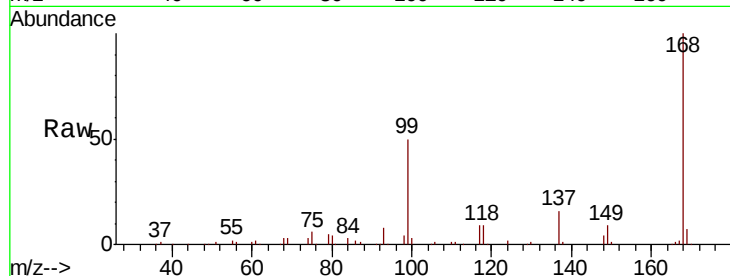
Tot Ion:117 Resp: 19971

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

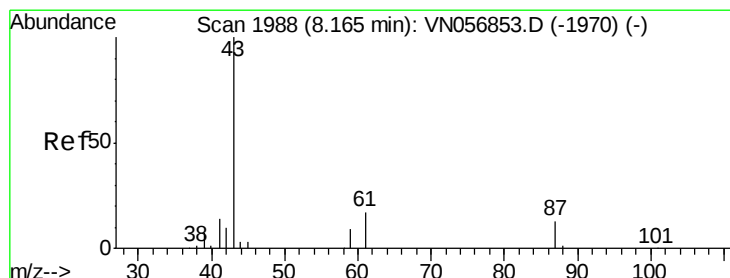
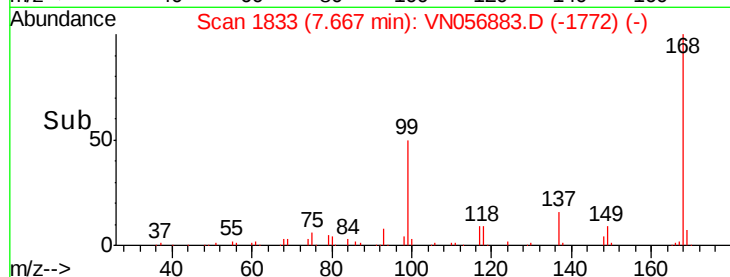
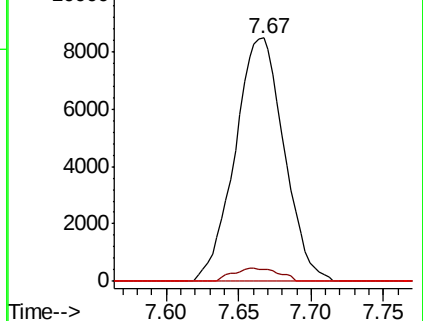
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.766 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

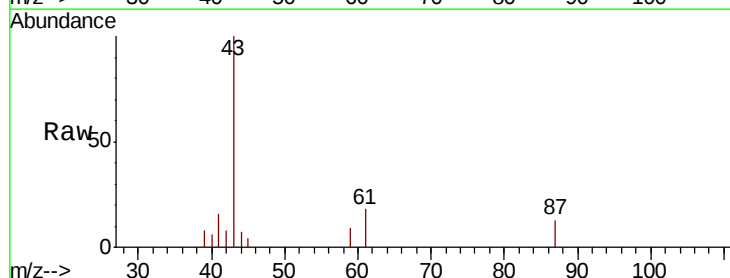
Tgt Ion: 43 Resp: 15815

Ion Ratio Lower Upper

43 100

61 20.5 17.8 26.6

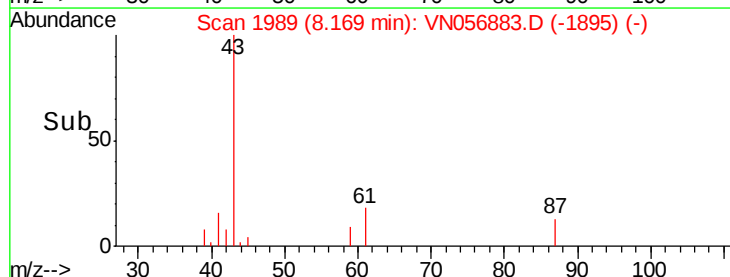
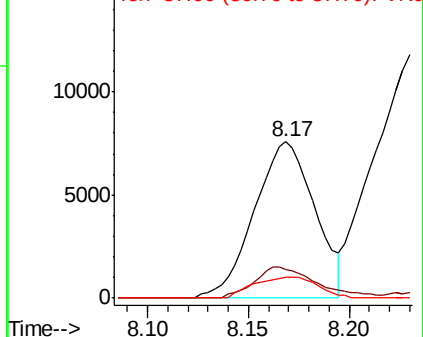
87 14.2 11.0 16.4

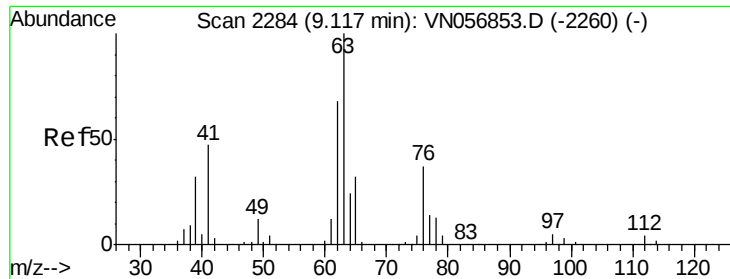


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

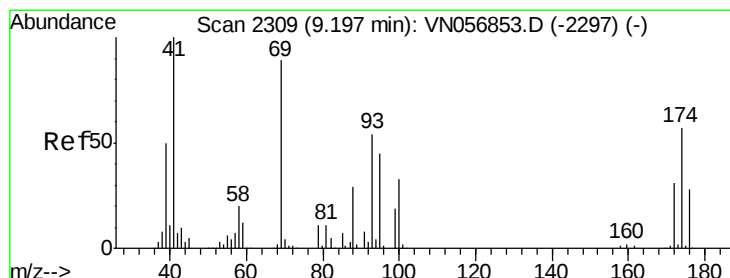
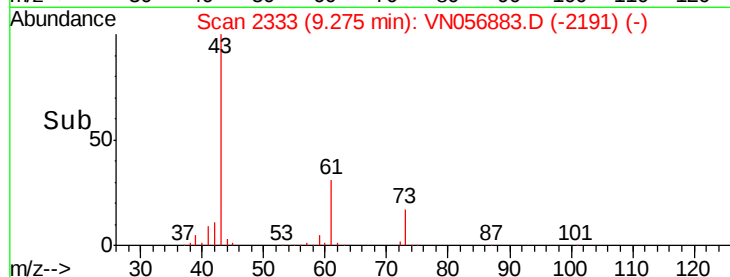
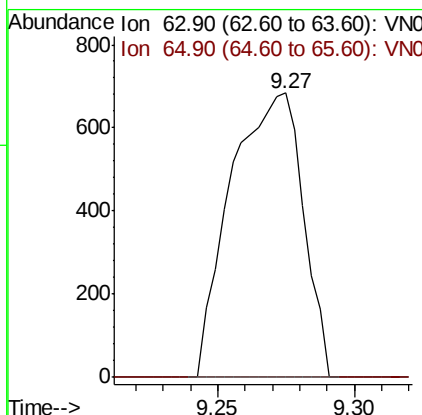
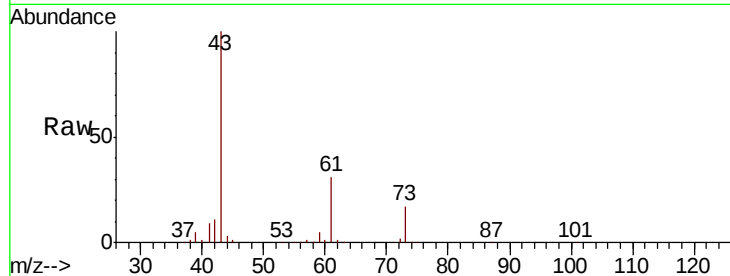




#45  
 1,2-Dichloropropane  
 Concen: 0.363 ug/l  
 RT: 9.27 min Scan# 2333  
 Delta R.T. 0.16 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

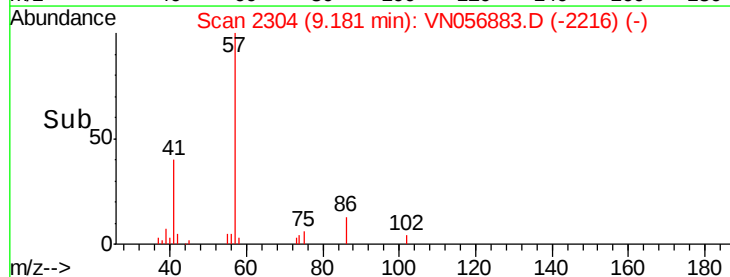
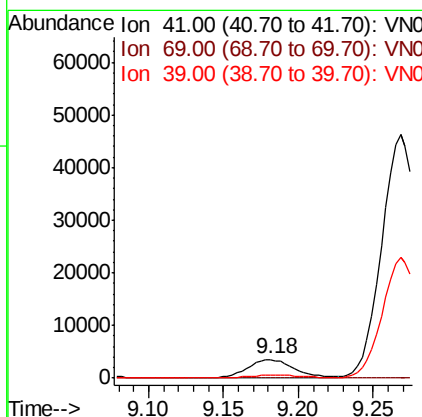
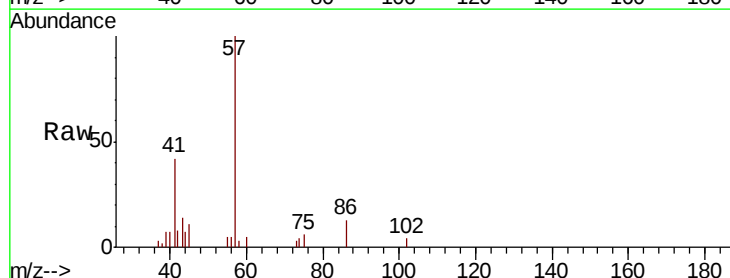
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PA-71619

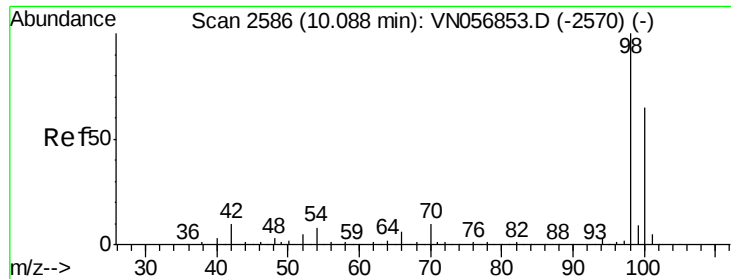
Tot Ion: 63 Resp: 1254  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.4 38.0#



#48  
 Methyl methacrylate  
 Concen: 2.746 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. -0.02 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion: 41 Resp: 7854  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 71.1 106.7#  
 39 17.5 40.6 60.8#





#50

Toluene-d8

Concen: 52.851 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

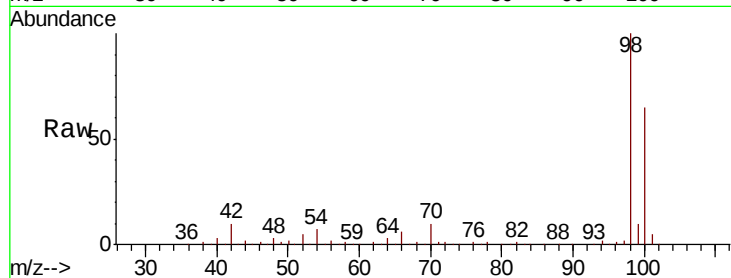
PA-71619

Tot Ion: 98 Resp: 573137

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN056883.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056883.D (-2493) (-)

10.09

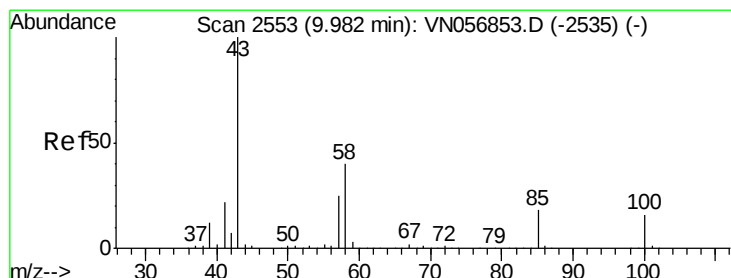
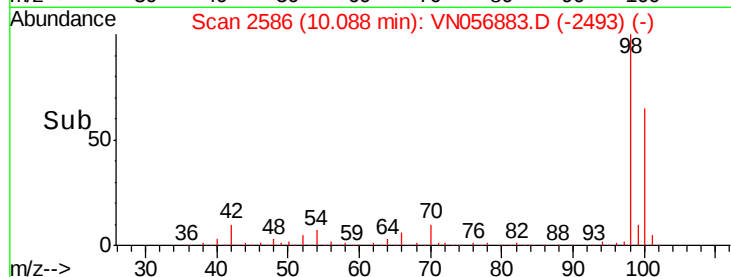
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.124 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056883.D

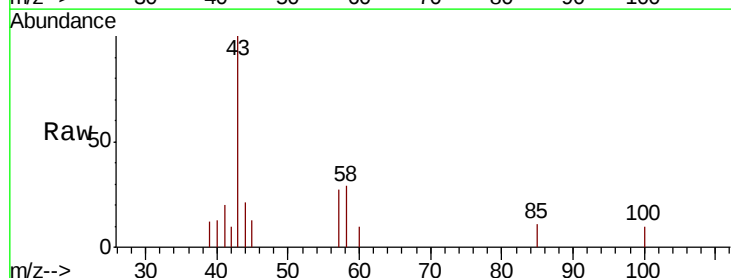
Acq: 23 Jul 2019 17:02

Tgt Ion: 43 Resp: 3833

Ion Ratio Lower Upper

43 100

58 34.9 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN056883.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN056883.D (-2460) (-)

5000

4000

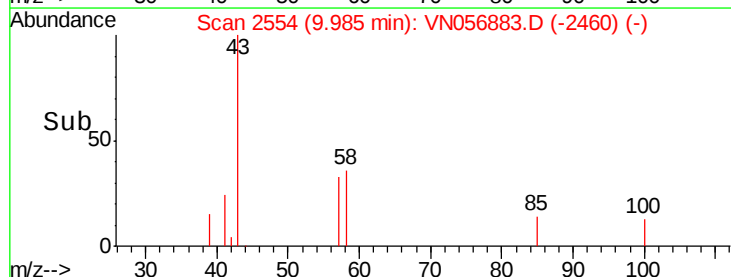
3000

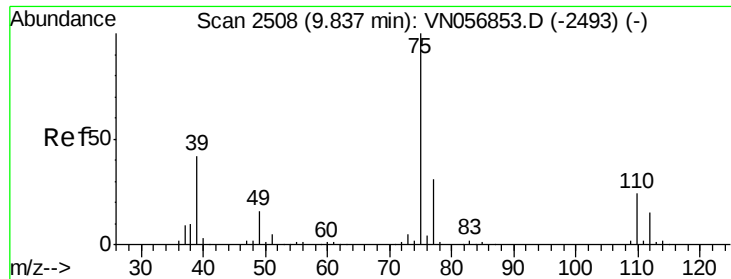
2000

1000

0

Time-->



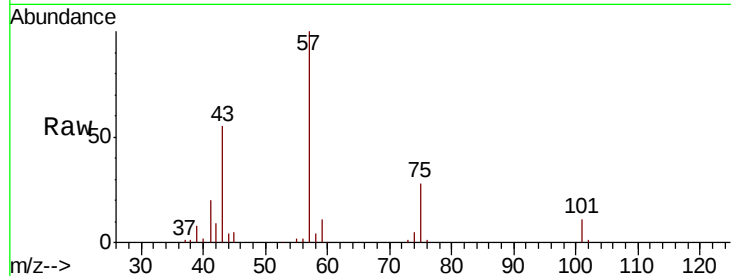


#54

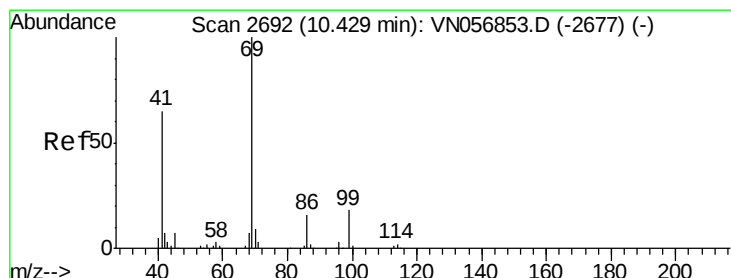
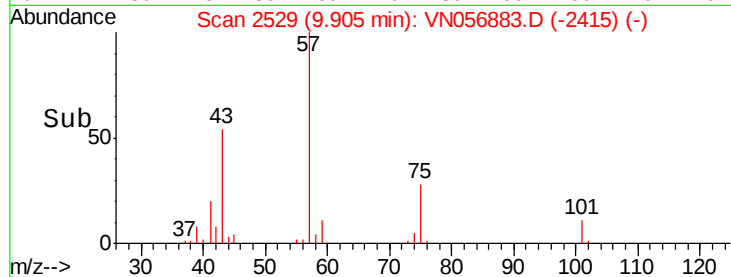
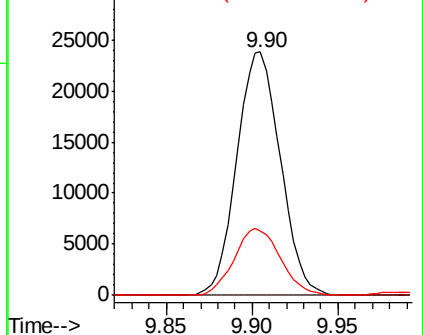
cis-1,3-Dichloropropene  
 Concen: 8.662 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.07 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PA-71619

Tot Ion: 75 Resp: 41985  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.1 37.7#  
 39 26.6 33.4 50.2#



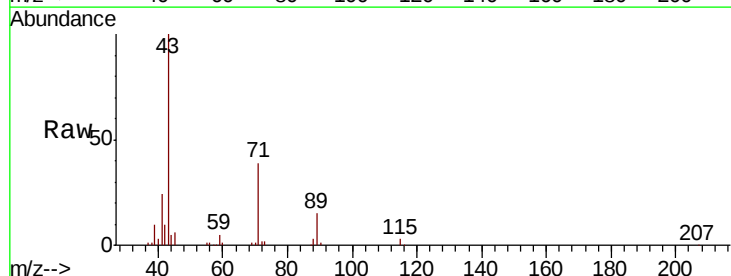
Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 76.90 (76.60 to 77.60): VNO  
 Ion 39.00 (38.70 to 39.70): VNO



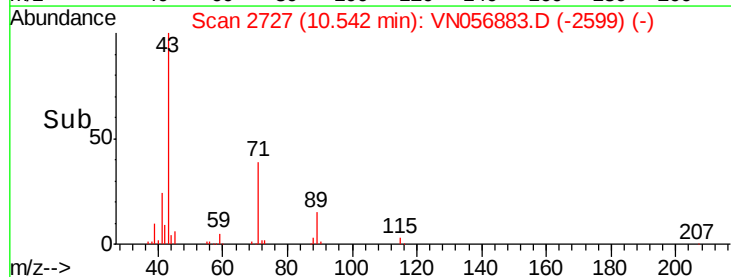
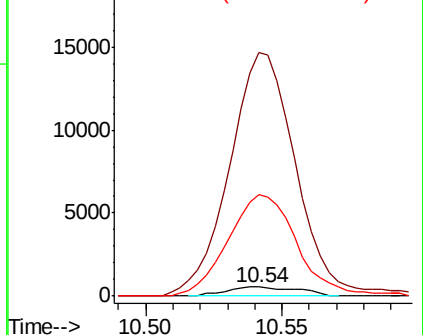
#56

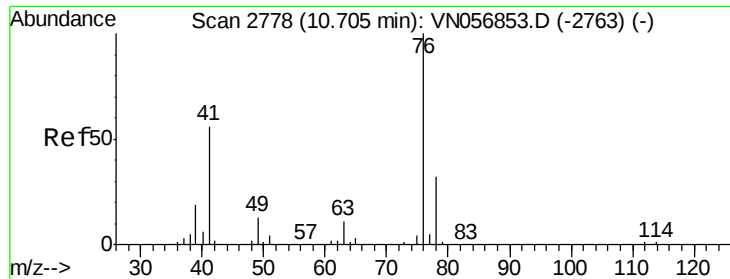
Ethyl methacrylate  
 Concen: 0.238 ug/l  
 RT: 10.54 min Scan# 2727  
 Delta R.T. 0.11 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion: 69 Resp: 1010  
 Ion Ratio Lower Upper  
 69 100  
 41 2462.0 51.0 76.6#  
 39 1063.5 24.5 36.7#



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





#57

1,3-Dichloropropane

Concen: 1.572 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

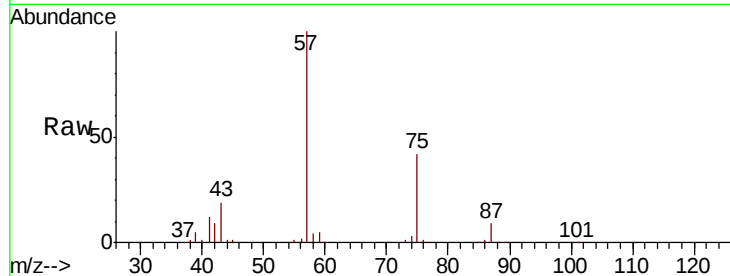
PA-71619

Tot Ion: 76 Resp: 7962

Ion Ratio Lower Upper

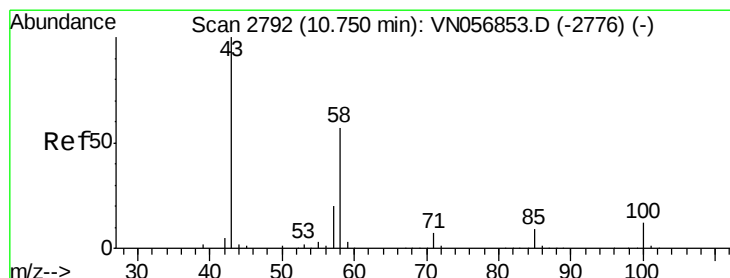
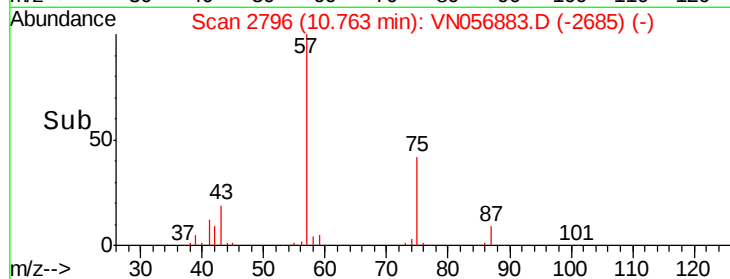
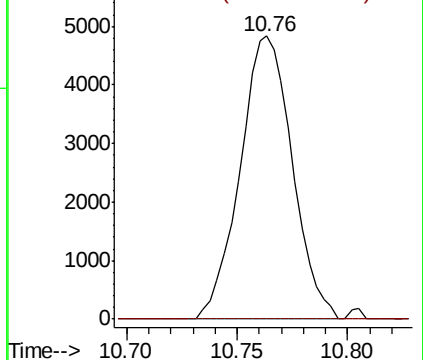
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 46.784 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056883.D

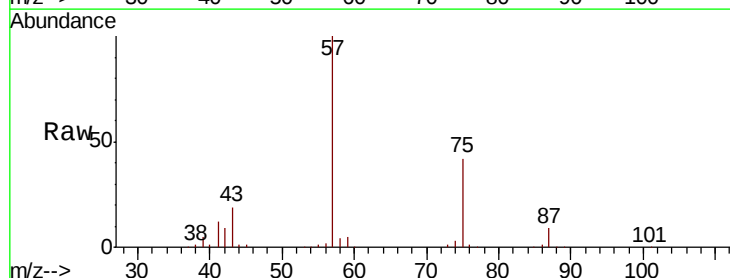
Acq: 23 Jul 2019 17:02

Tgt Ion: 43 Resp: 110411

Ion Ratio Lower Upper

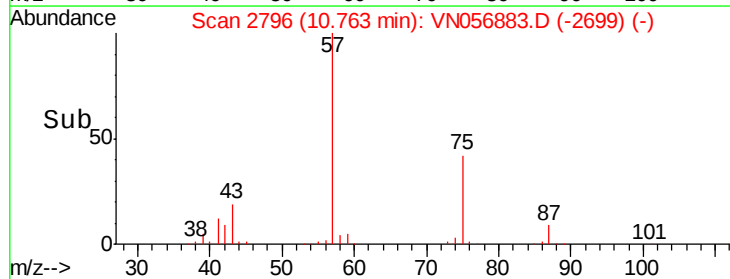
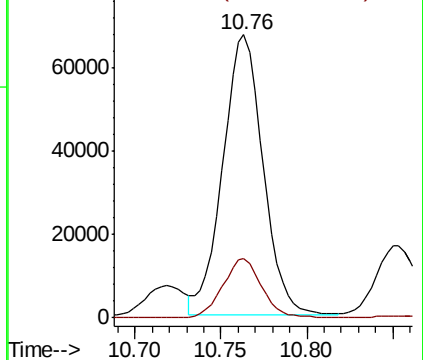
43 100

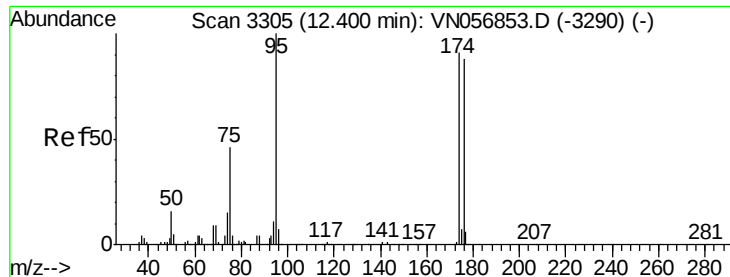
58 20.5 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

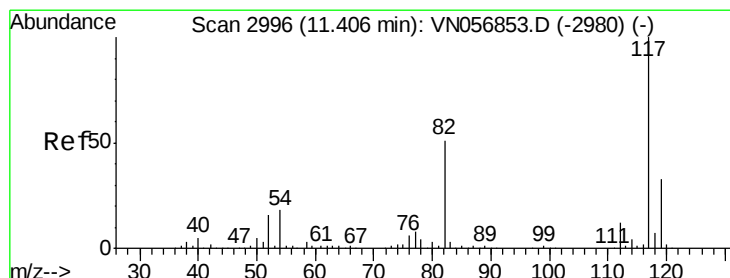
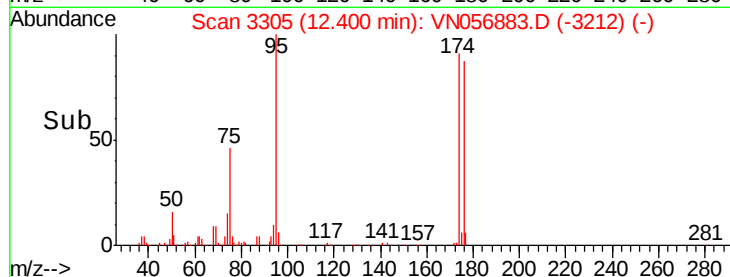
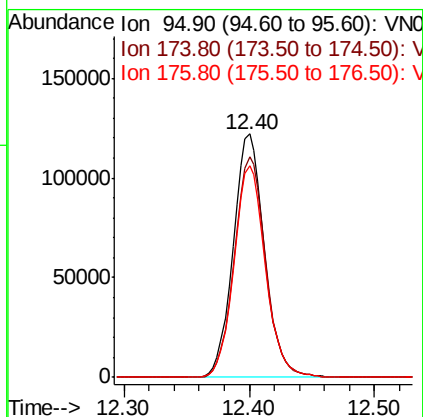
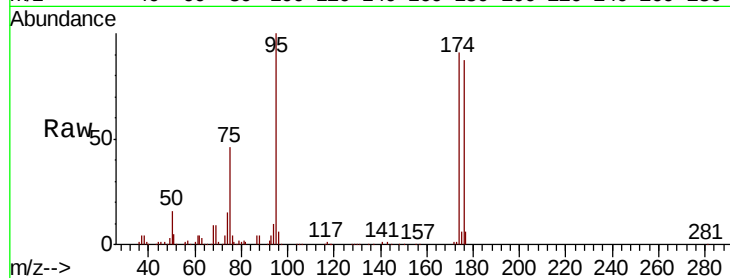




#62  
4-Bromofluorobenzene  
Concen: 59.265 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN056883.D  
Acq: 23 Jul 2019 17:02

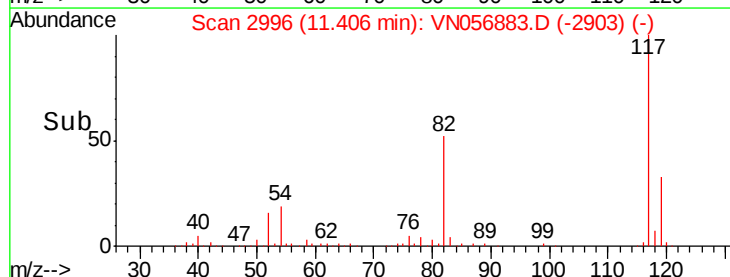
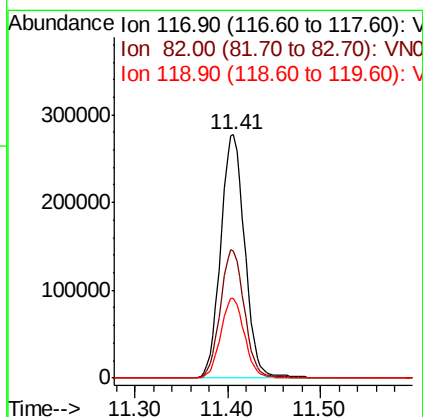
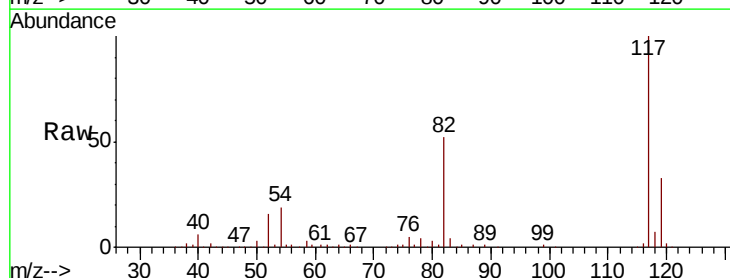
Instrument :  
MSVOA\_N  
ClientSampleId :  
PA-71619

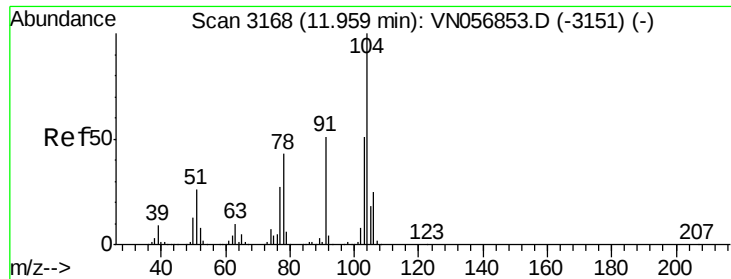
Tot Ion: 95 Resp: 210325  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 183.4  
176 87.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056883.D  
Acq: 23 Jul 2019 17:02

Tgt Ion: 117 Resp: 500437  
Ion Ratio Lower Upper  
117 100  
82 52.2 41.2 61.8  
119 32.6 26.4 39.6





#70

Stvrene

Concen: 0.524 ug/l

RT: 11.95 min Scan# 3166

Delta R.T. -0.01 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampleId :

PA-71619

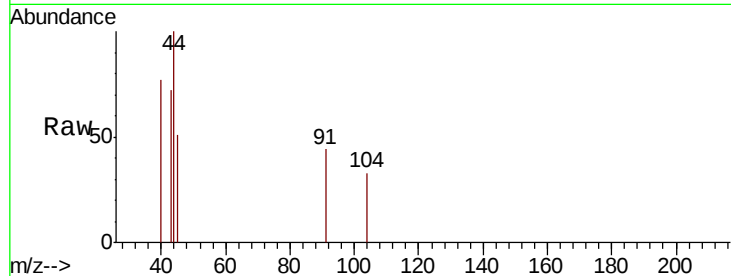
Tot Ion:104 Resp: 59

Ion Ratio Lower Upper

104 100

78 0.0 38.1 57.1#

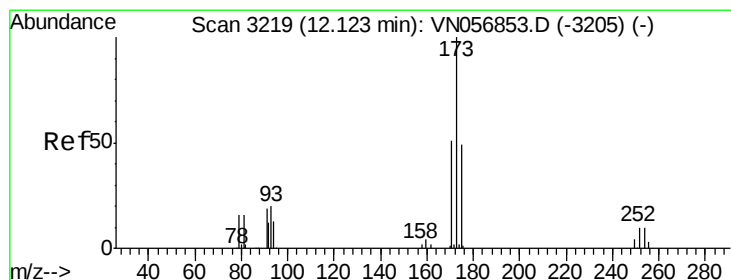
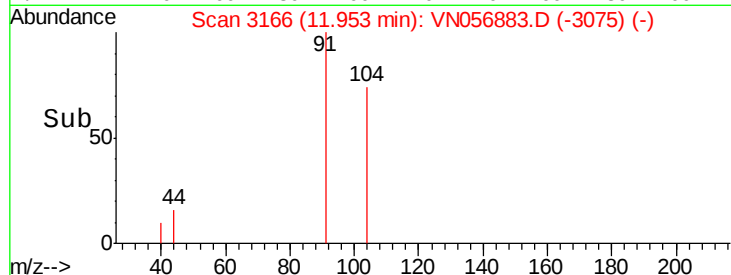
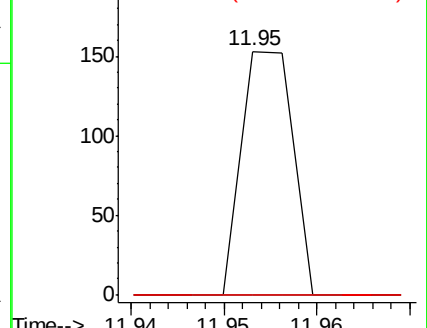
103 0.0 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.654 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

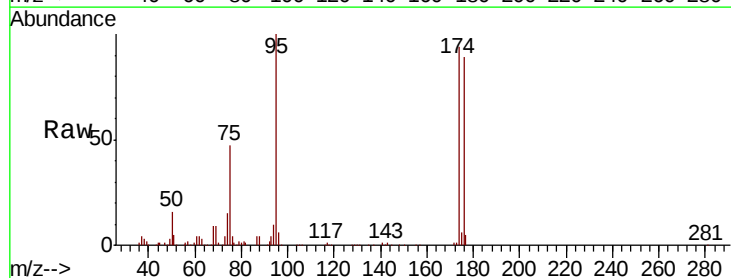
Tgt Ion:173 Resp: 1777

Ion Ratio Lower Upper

173 100

175 632.2 24.1 72.3#

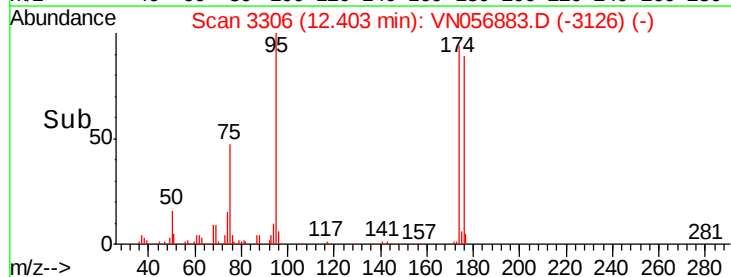
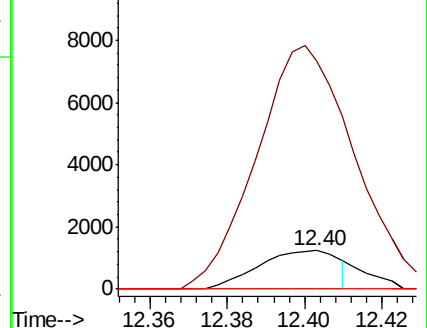
254 0.0 0.0 0.0

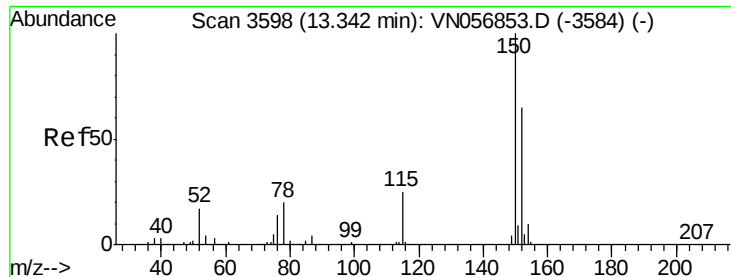


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampleId :

PA-71619

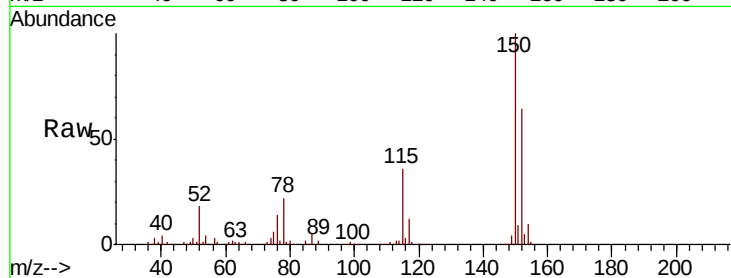
Tot Ion:152 Resp: 169228

Ion Ratio Lower Upper

152 100

115 56.5 27.6 82.7

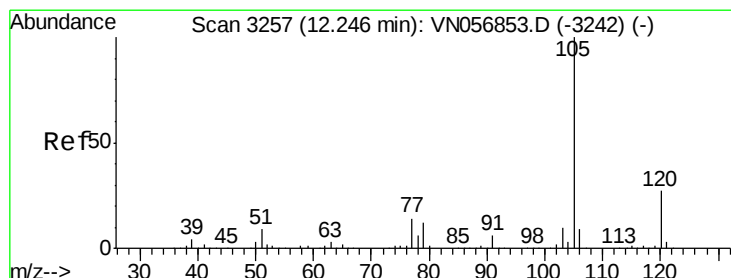
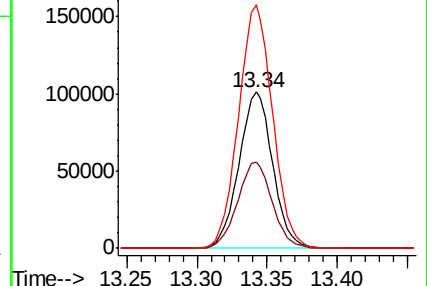
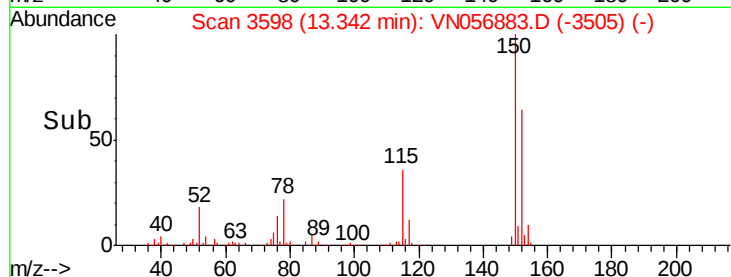
150 157.7 0.0 343.0



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056883.D

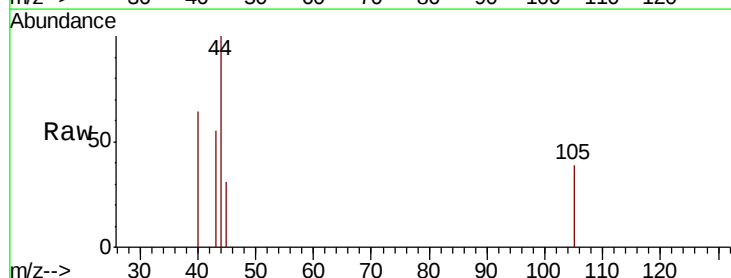
Acq: 23 Jul 2019 17:02

Tgt Ion:105 Resp: 153

Ion Ratio Lower Upper

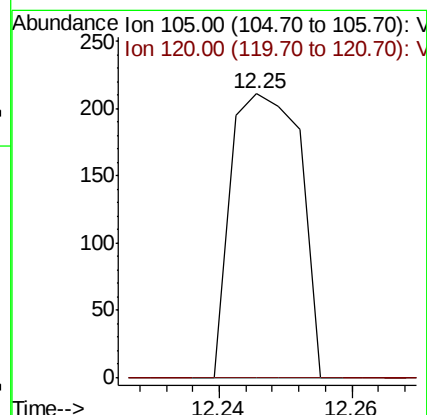
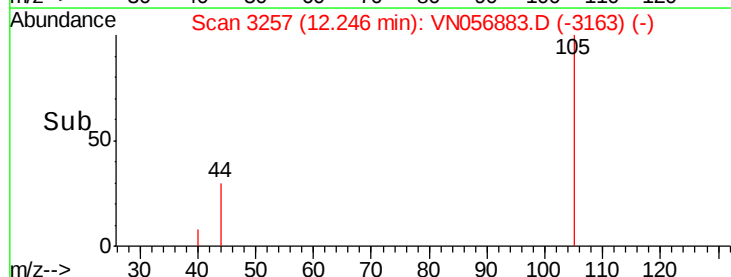
105 100

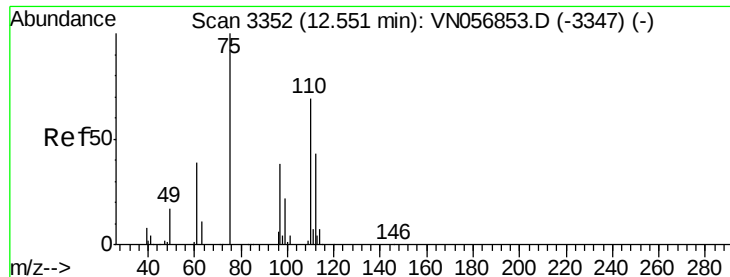
120 0.0 13.4 40.2#



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: 28.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056883.D

Acq: 23 Jul 2019 17:02

Instrument :

MSVOA\_N

ClientSampled :

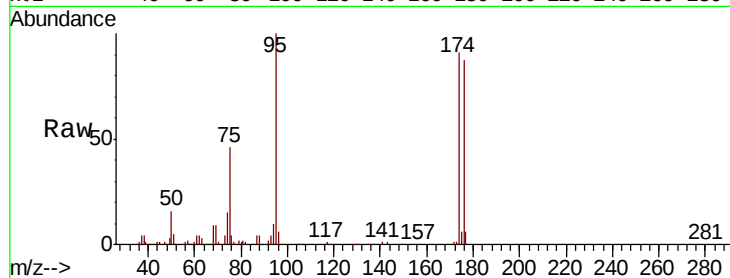
PA-71619

Tot Ion: 75 Resp: 98619

Ion Ratio Lower Upper

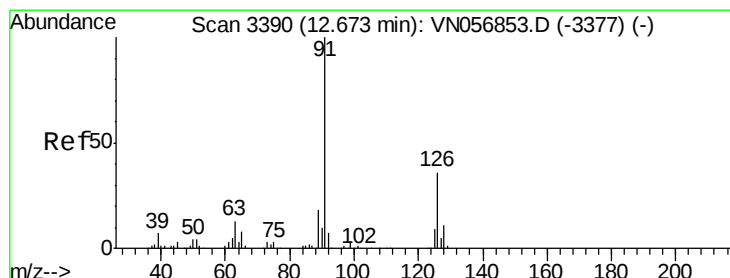
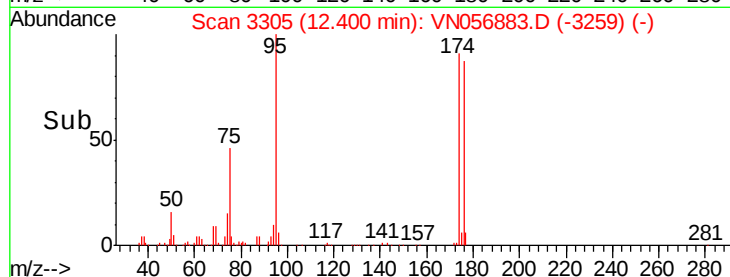
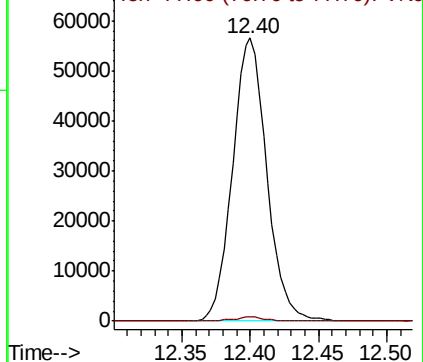
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3407

Delta R.T. 0.05 min

Lab File: VN056883.D

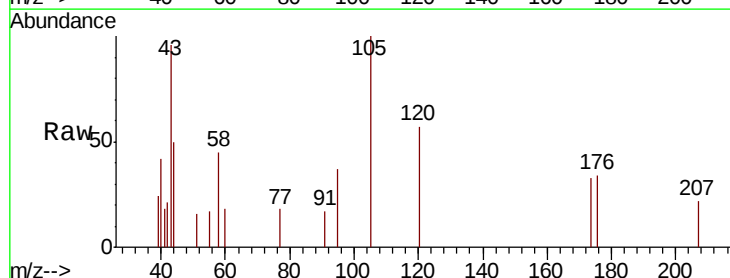
Acq: 23 Jul 2019 17:02

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

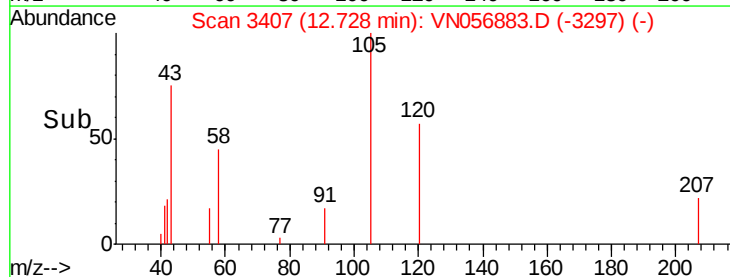
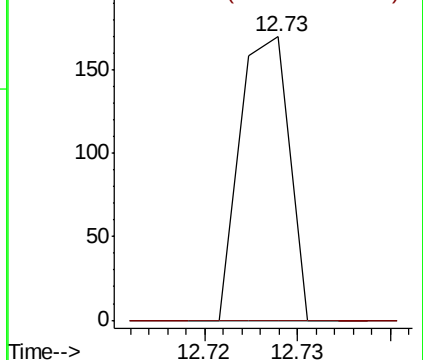
91 100

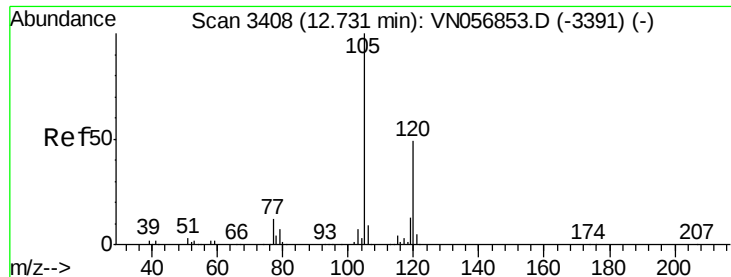
126 0.0 17.8 53.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

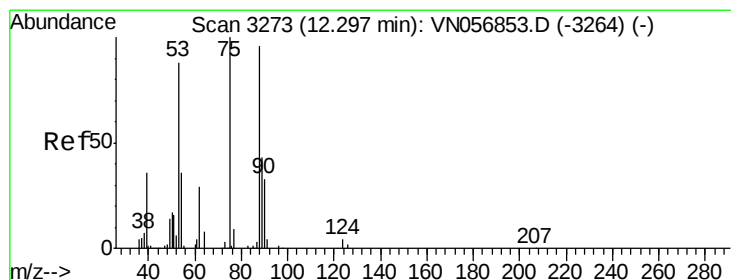
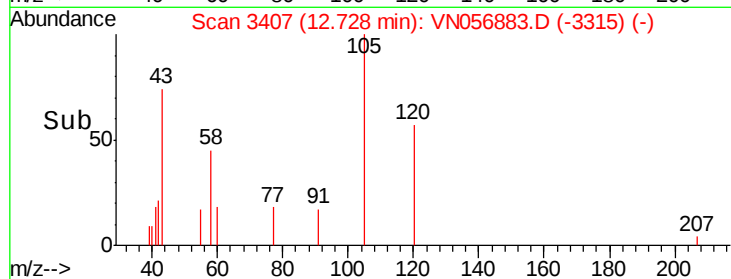
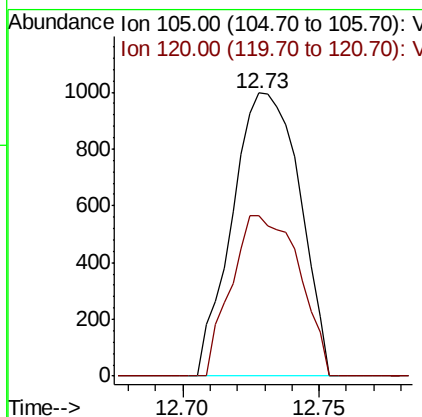
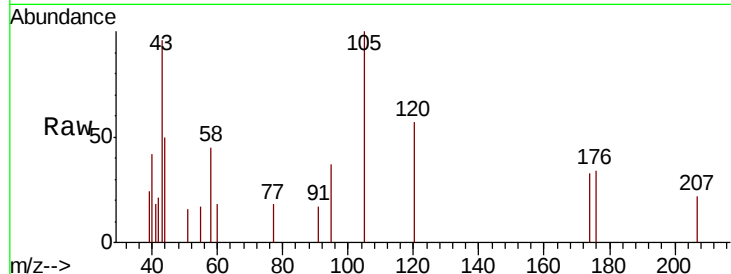




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3407  
 Delta R.T. -0.00 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

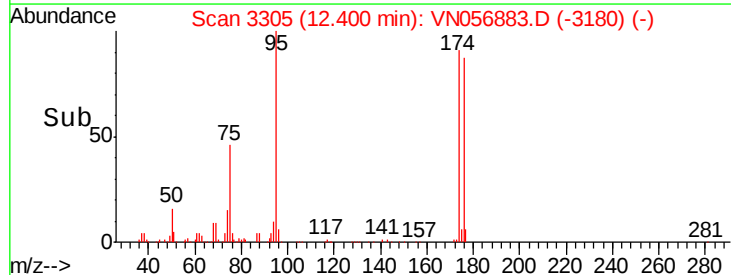
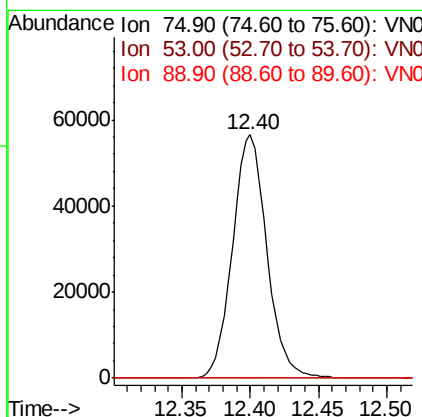
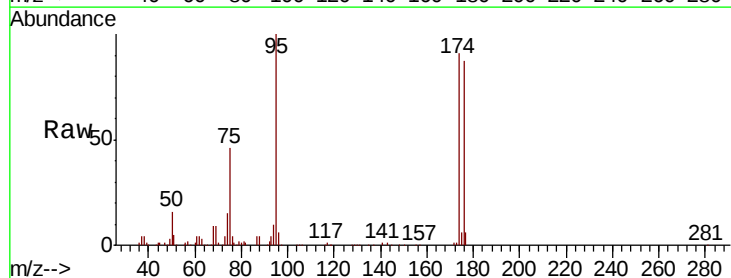
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PA-71619

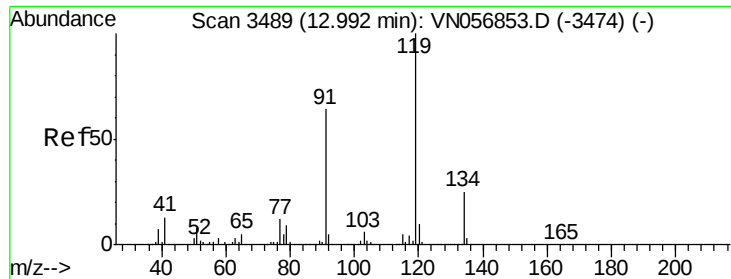
Tot Ion:105 Resp: 1716  
 Ion Ratio Lower Upper  
 105 100  
 120 56.9 24.7 74.1



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.062 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion: 75 Resp: 98619  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.3 108.5#  
 89 0.0 36.2 54.4#

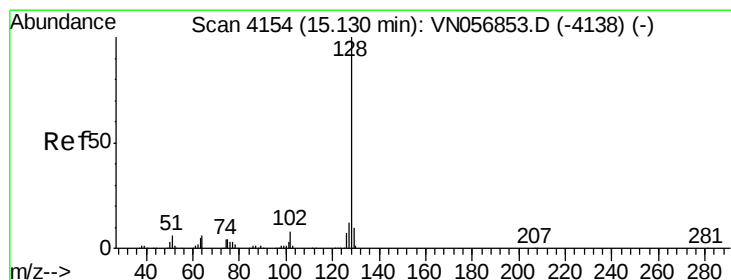
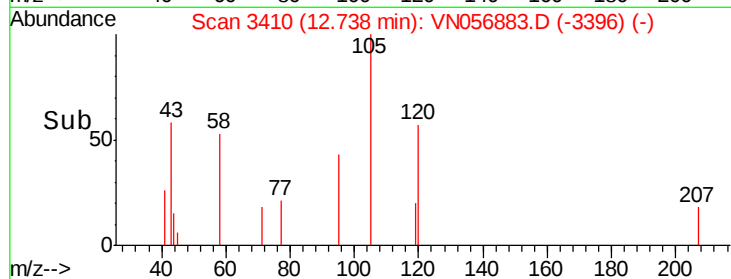
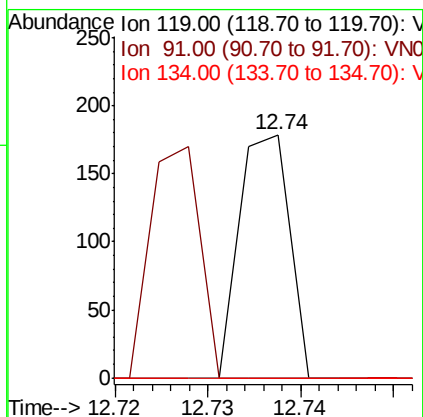
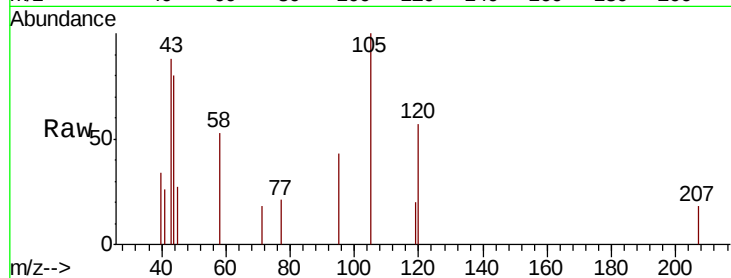




#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.74 min Scan# 3410  
 Delta R.T. -0.25 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PA-71619

Tot Ion:119 Resp: 67  
 Ion Ratio Lower Upper  
 119 100  
 91 94.0 31.5 94.5  
 134 0.0 12.2 36.6#



#95  
 Naphthalene  
 Concen: 5.281 ug/l  
 RT: 15.13 min Scan# 4153  
 Delta R.T. -0.00 min  
 Lab File: VN056883.D  
 Acq: 23 Jul 2019 17:02

Tgt Ion:128 Resp: 14694  
 Ion Ratio Lower Upper  
 128 100  
 127 13.8 10.2 15.2  
 129 11.5 8.5 12.7

