

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN081319\  
 Data File : VN057263.D  
 Acq On : 13 Aug 2019 22:15  
 Operator : JC/SP  
 Sample : K4266-04  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A3-(0)

Quant Time: Aug 14 06:34:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 06:25:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1524546  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 2121192  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1771893  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 450154   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 692052   | 45.00 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.00% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 623210   | 46.01 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.02% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2467182  | 49.94 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.88% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 649668   | 38.35 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.70% |          |

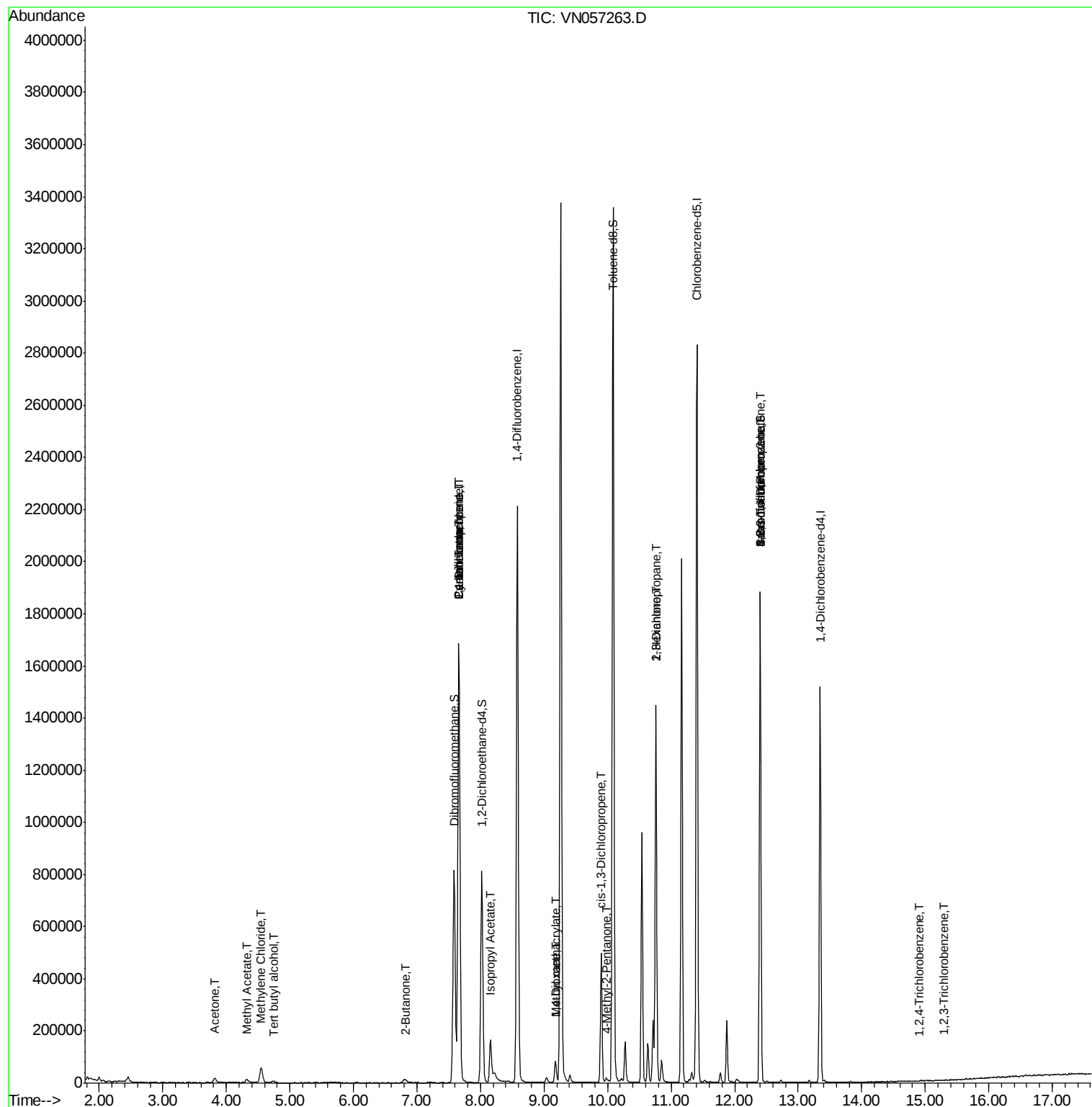
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.74  | 59   | 3371     | 1.628     | ug/l # | 87     |
| 16) Acetone                    | 3.81  | 43   | 29799    | 5.652     | ug/l   | 99     |
| 18) Methyl Acetate             | 4.33  | 43   | 24592    | 0.661     | ug/l   | 96     |
| 20) Methylene Chloride         | 4.55  | 84   | 47780    | 3.102     | ug/l   | 97     |
| 25) 2-Butanone                 | 6.83  | 43   | 1561     | 0.208     | ug/l # | 81     |
| 31) Cyclohexane                | 7.66  | 56   | 20542    | 0.943     | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 90783    | 4.895     | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 125904   | 6.391     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.16  | 43   | 198173   | 8.073     | ug/l # | 88     |
| 48) Methyl methacrylate        | 9.18  | 41   | 10631    | 0.936     | ug/l # | 11     |
| 49) 1,4-Dioxane                | 9.19  | 88   | 67       | 0.262     | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 12360    | 0.857     | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 98666    | 4.411     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 16299    | 0.722     | ug/l # | 42     |
| 59) 2-Hexanone                 | 10.76 | 43   | 203751   | 19.921    | ug/l # | 50     |
| 71) Bromoform                  | 12.40 | 173  | 2597     | 0.242     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105  | 878      | Below Cal | #      | 60     |
| 74) N-amyl acetate             | 12.03 | 43   | 10926    | Below Cal | #      | 42     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.42 | 83   | 120      | Below Cal | #      | 26     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 299895   | 37.156    | ug/l # | 100    |
| 77) Bromobenzene               | 12.53 | 156  | 33       | Below Cal | #      | 1      |
| 78) n-propylbenzene            | 12.60 | 91   | 964      | Below Cal |        | 83     |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 383      | Below Cal |        | 89     |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 3816     | Below Cal |        | 81     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 299895   | 89.484    | ug/l # | 16     |
| 83) tert-Butylbenzene          | 12.99 | 119  | 230      | Below Cal | #      | 75     |
| 85) sec-Butylbenzene           | 13.17 | 105  | 696      | Below Cal | #      | 55     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 278      | 3.290     | ug/l # | 51     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 534      | 4.328     | ug/l # | 40     |

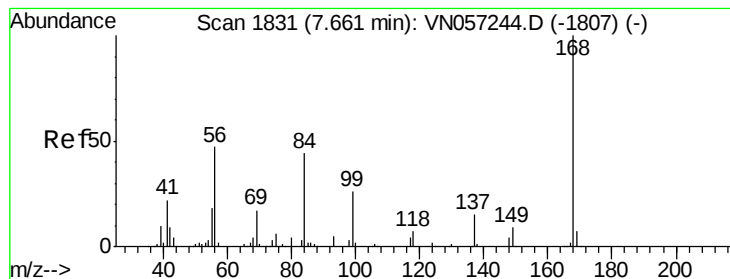
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 14 06:25:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

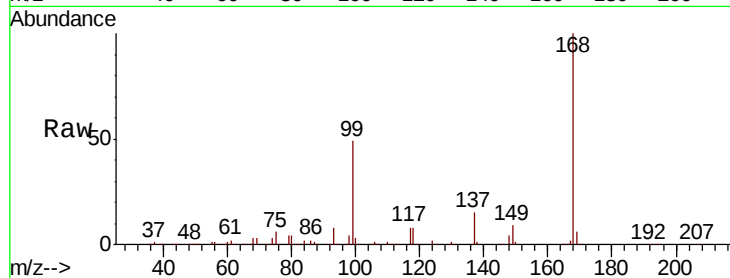
R1-R2-A3-(0)

Tgt Ion:168 Resp: 1524546

Ion Ratio Lower Upper

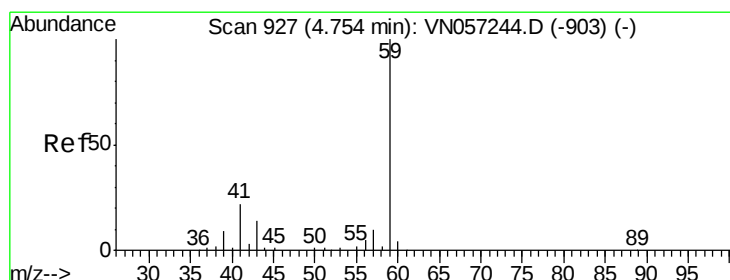
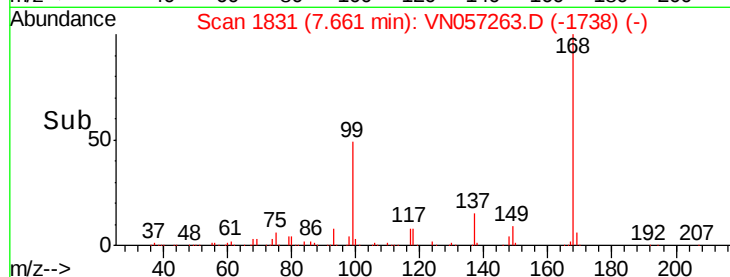
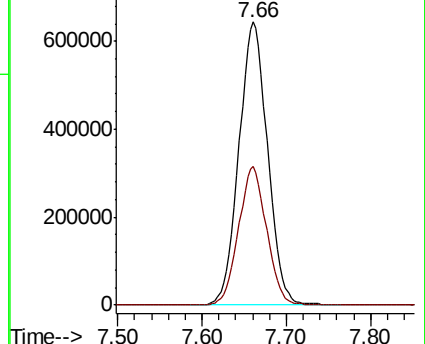
168 100

99 48.8 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.628 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.01 min

Lab File: VN057263.D

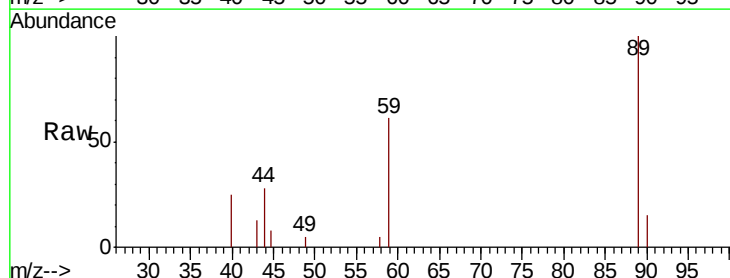
Acq: 13 Aug 2019 22:15

Tgt Ion: 59 Resp: 3371

Ion Ratio Lower Upper

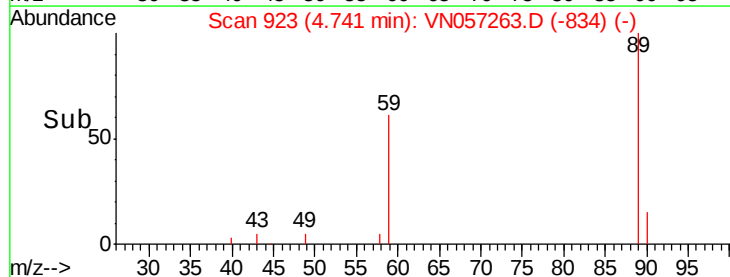
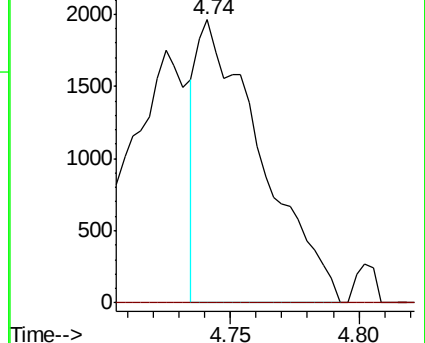
59 100

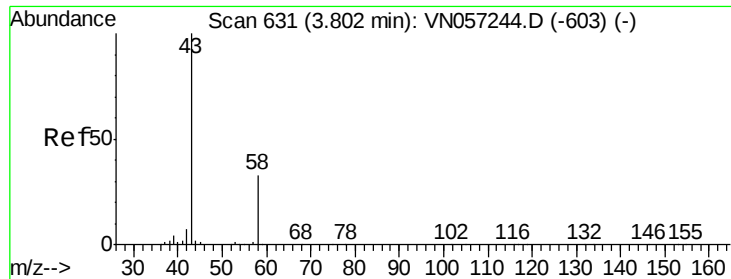
57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 5.652 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampled :

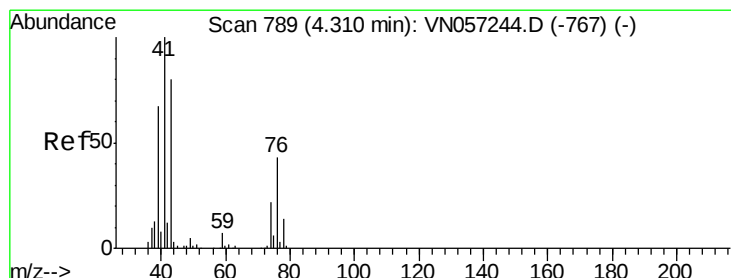
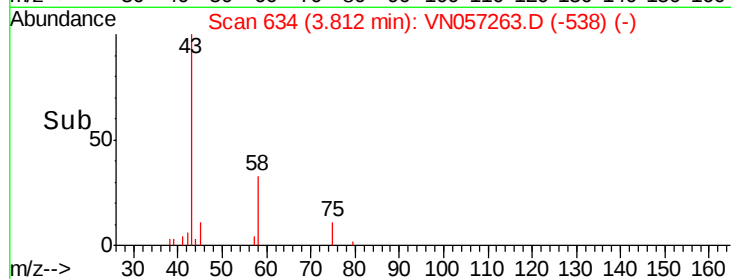
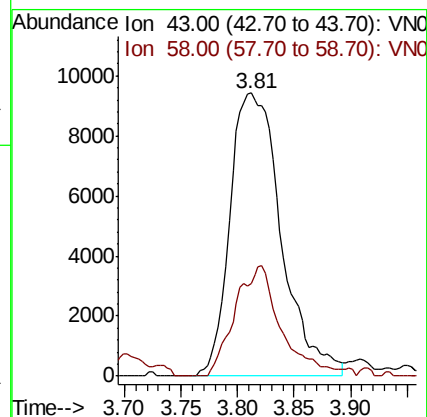
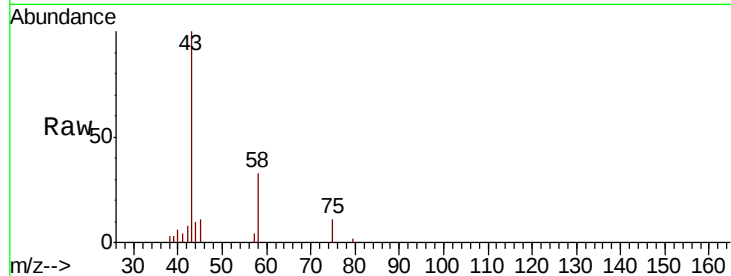
R1-R2-A3-(0)

Tgt Ion: 43 Resp: 29799

Ion Ratio Lower Upper

43 100

58 32.7 26.7 40.1



#18

Methyl Acetate

Concen: 0.661 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN057263.D

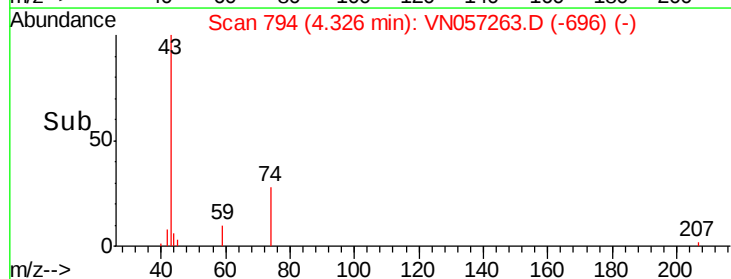
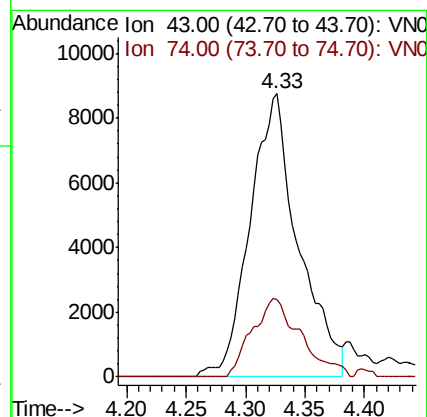
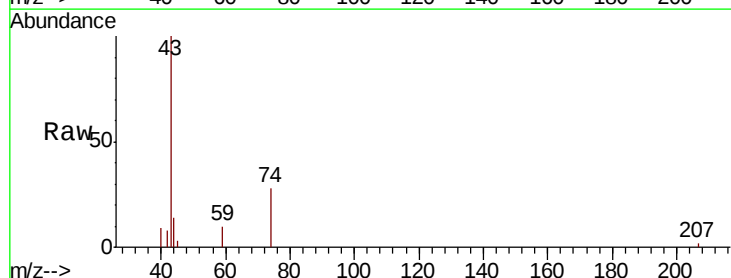
Acq: 13 Aug 2019 22:15

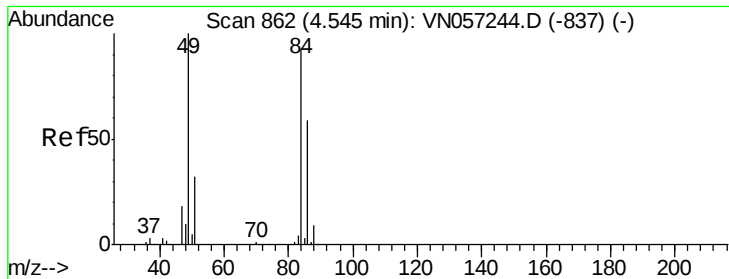
Tgt Ion: 43 Resp: 24592

Ion Ratio Lower Upper

43 100

74 27.9 20.6 31.0





#20

Methylene Chloride

Concen: 3.102 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A3-(0)

Tgt Ion: 84 Resp: 47780

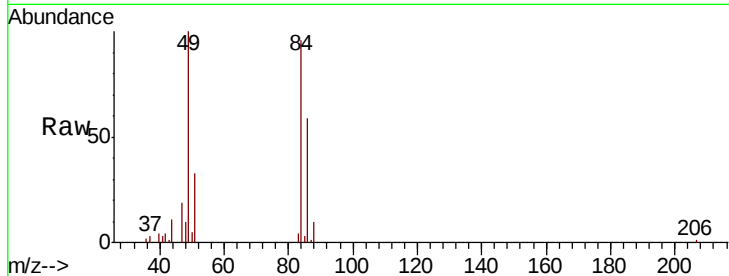
Ion Ratio Lower Upper

84 100

49 104.3 85.9 128.9

51 34.1 27.1 40.7

86 61.4 51.0 76.6

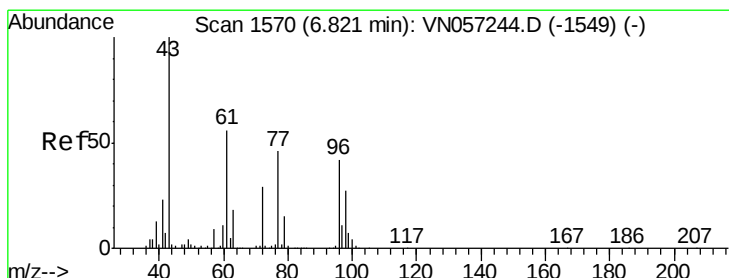
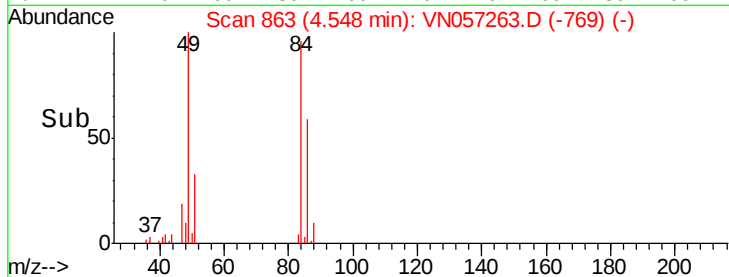
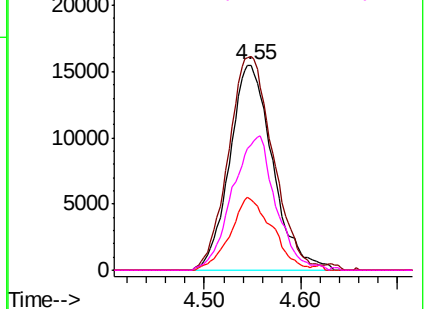


Abundance Ion 83.90 (83.60 to 84.60): VN057263.D (-1477) (-)

Ion 48.90 (48.60 to 49.60): VN057263.D (-1477) (-)

Ion 50.90 (50.60 to 51.60): VN057263.D (-1477) (-)

Ion 85.90 (85.60 to 86.60): VN057263.D (-1477) (-)



#25

2-Butanone

Concen: 0.208 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN057263.D

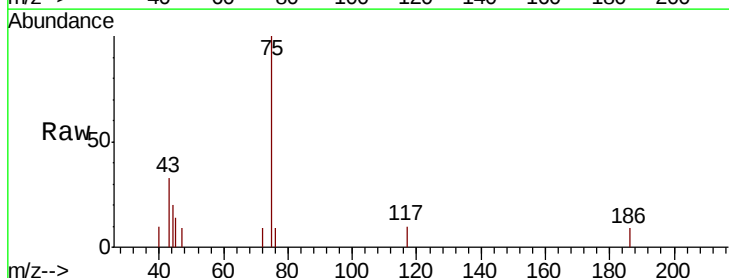
Acq: 13 Aug 2019 22:15

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

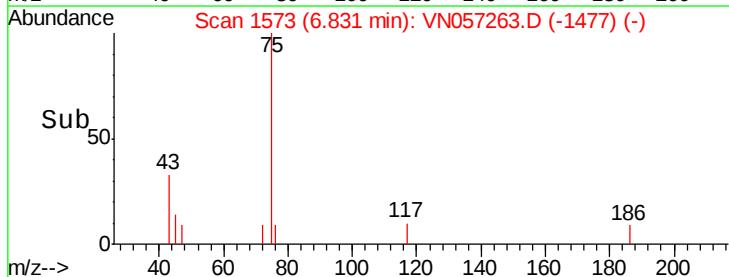
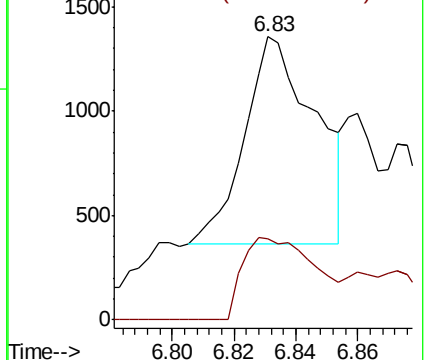
43 100

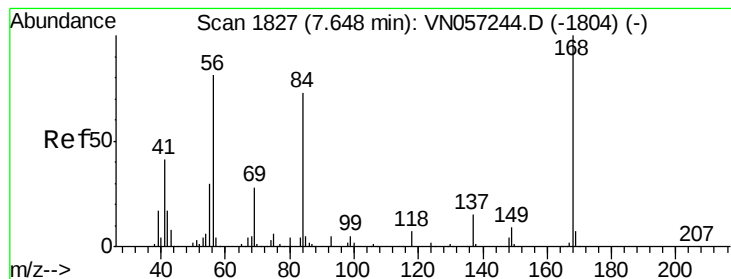
72 39.2 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VN057263.D (-1477) (-)

Ion 72.00 (71.70 to 72.70): VN057263.D (-1477) (-)





#31

Cyclohexane

Concen: 0.943 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampled :

R1-R2-A3-(0)

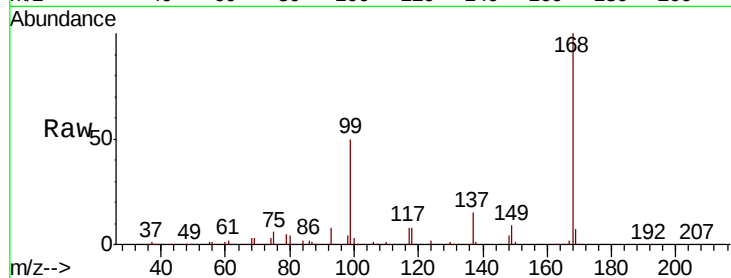
Tgt Ion: 56 Resp: 20542

Ion Ratio Lower Upper

56 100

69 207.8 27.8 41.8#

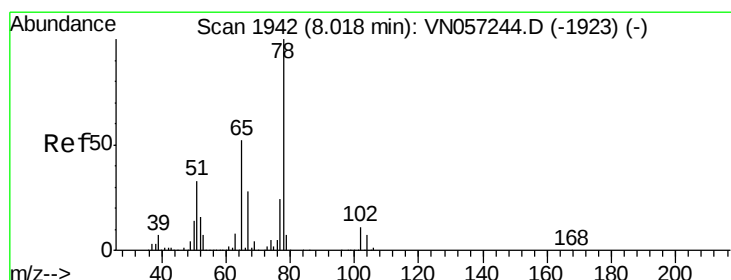
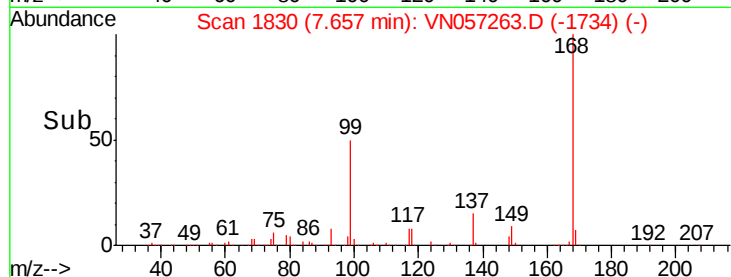
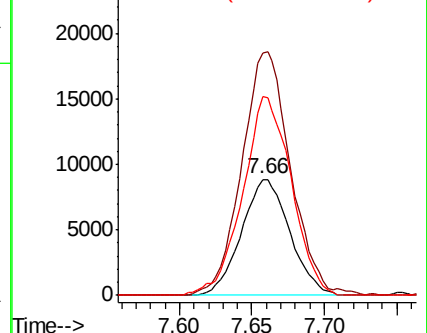
84 171.8 72.0 108.0#



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: 44.999 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057263.D

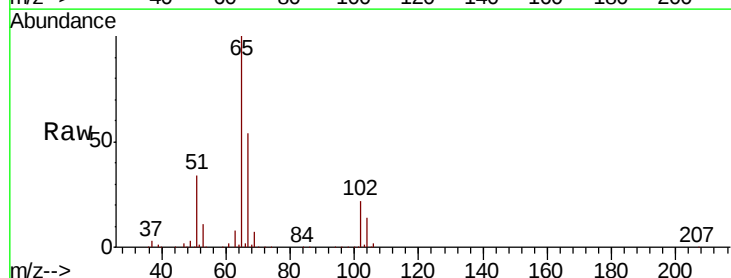
Acq: 13 Aug 2019 22:15

Tgt Ion: 65 Resp: 692052

Ion Ratio Lower Upper

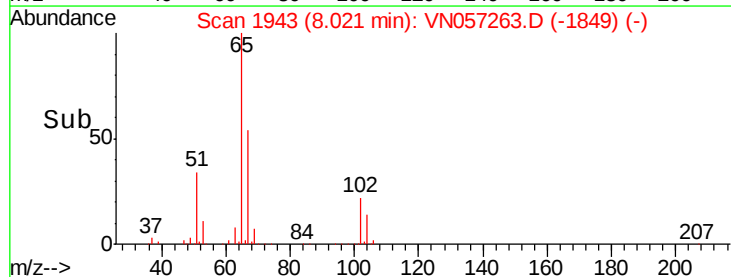
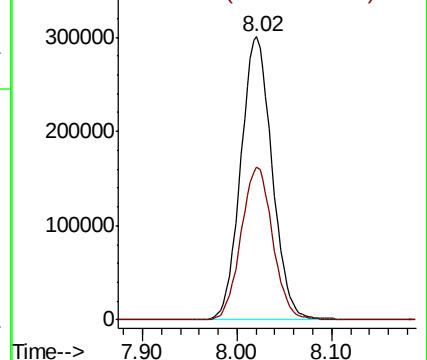
65 100

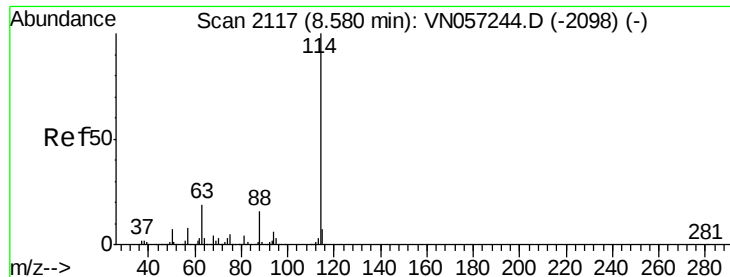
67 54.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

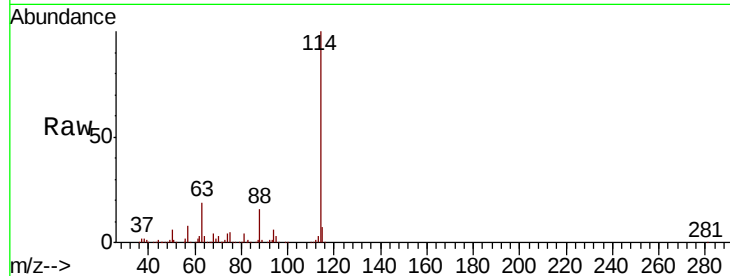




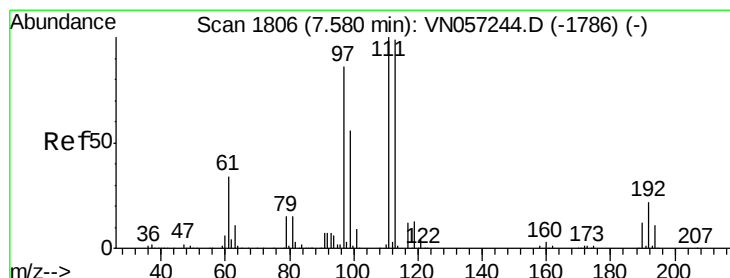
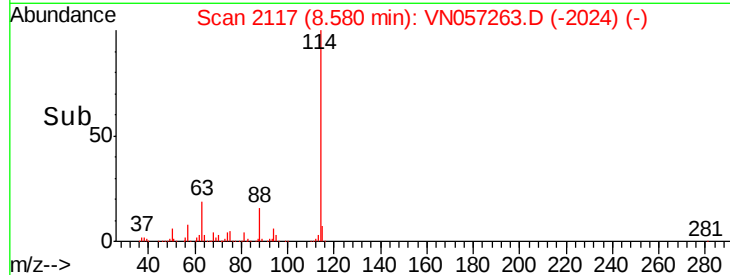
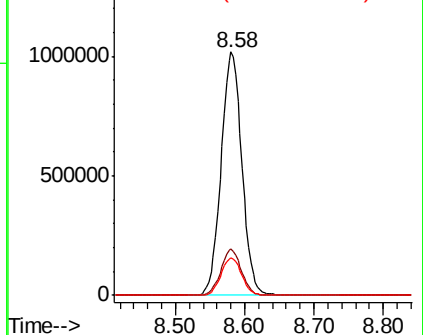
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 R1-R2-A3-(0)

Tgt Ion:114 Resp: 2121192  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 37.0  
 88 15.5 0.0 31.0

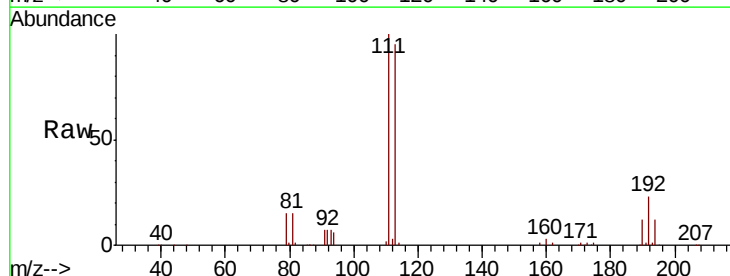


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

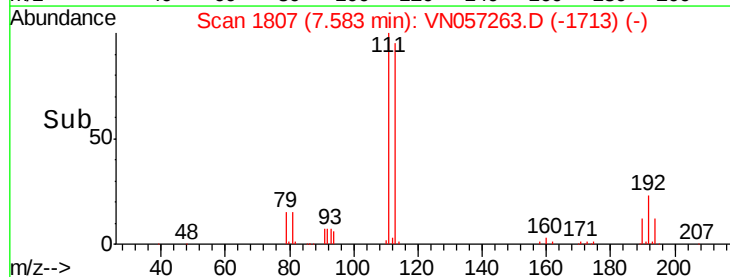
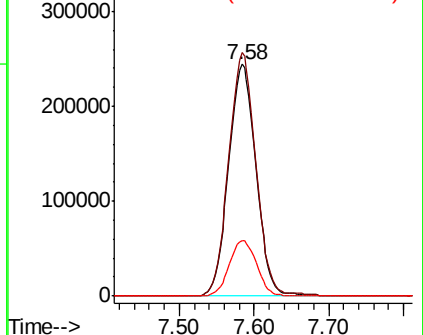


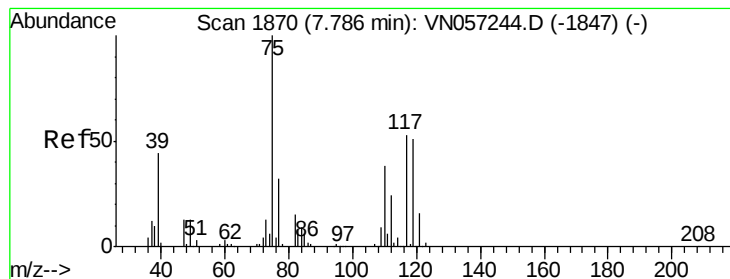
#35  
 Dibromofluoromethane  
 Concen: 46.013 ug/l  
 RT: 7.58 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Tgt Ion:113 Resp: 623210  
 Ion Ratio Lower Upper  
 113 100  
 111 104.3 81.4 122.2  
 192 24.0 18.8 28.2



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: 4.895 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A3-(0)

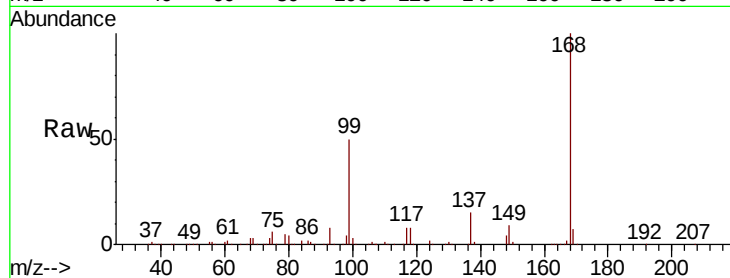
Tgt Ion: 75 Resp: 90783

Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.1#

77 0.0 25.2 37.8#

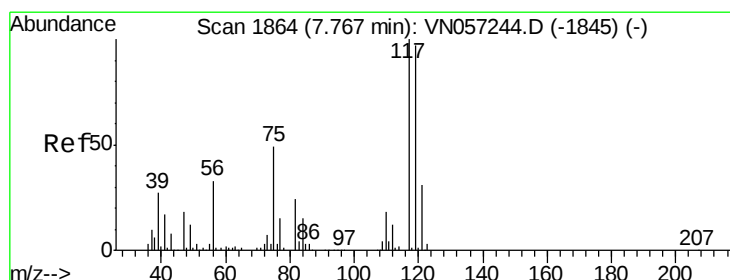
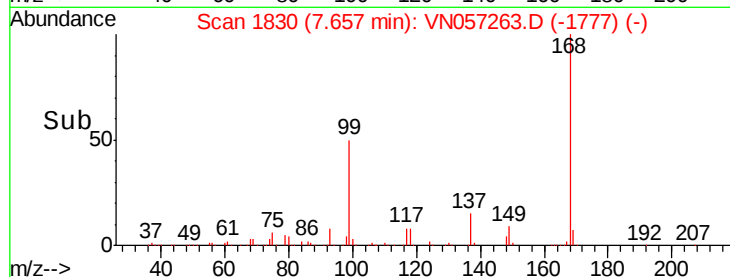
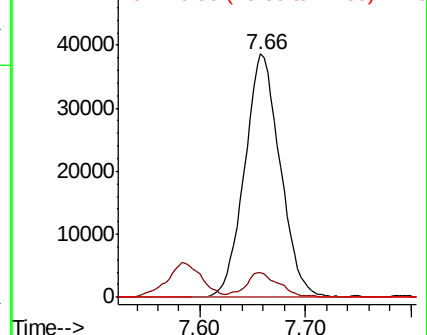


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

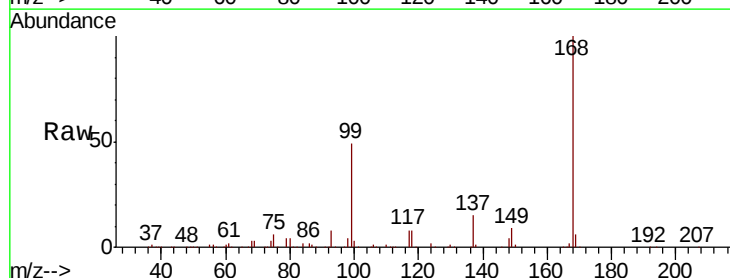
Tgt Ion: 117 Resp: 125904

Ion Ratio Lower Upper

117 100

119 5.4 77.8 116.6#

121 0.0 24.9 37.3#

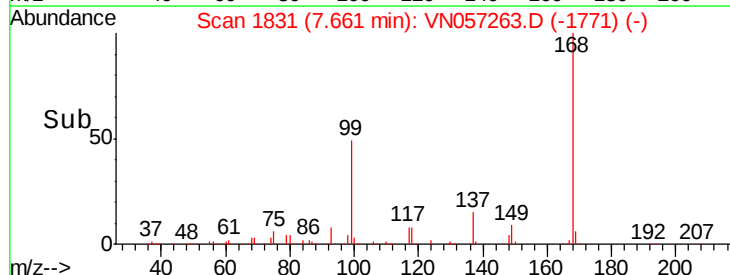
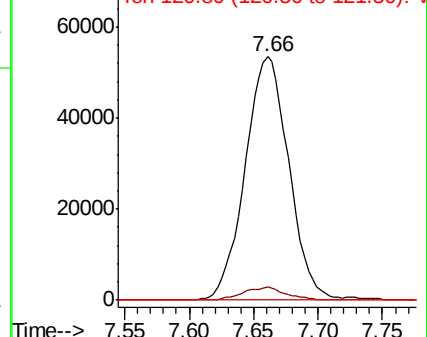


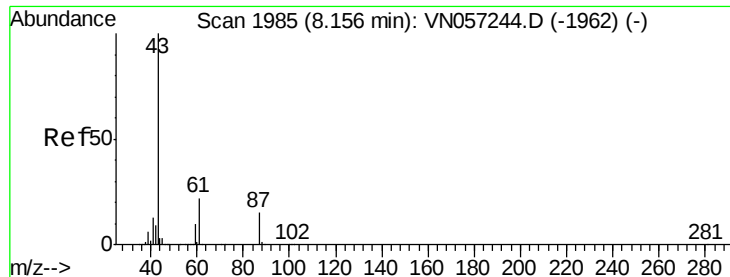
Abundance

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

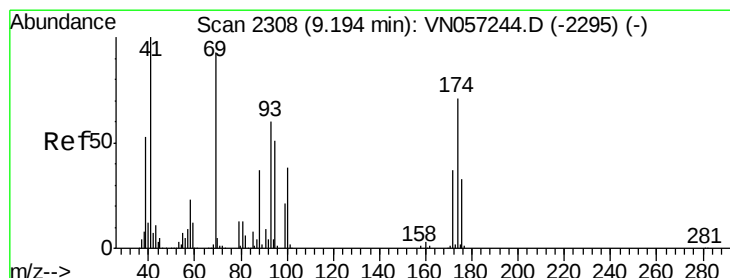
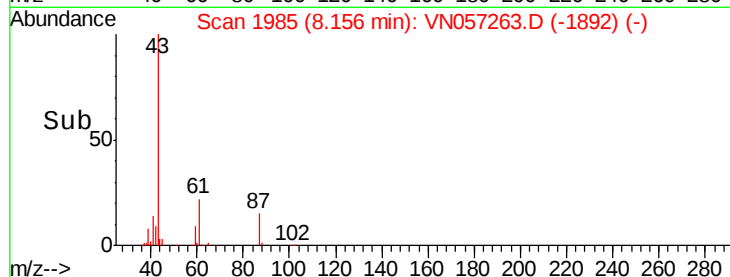
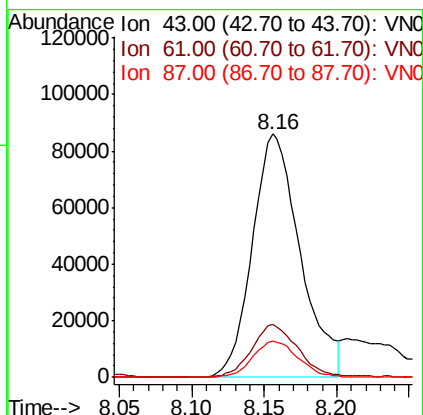
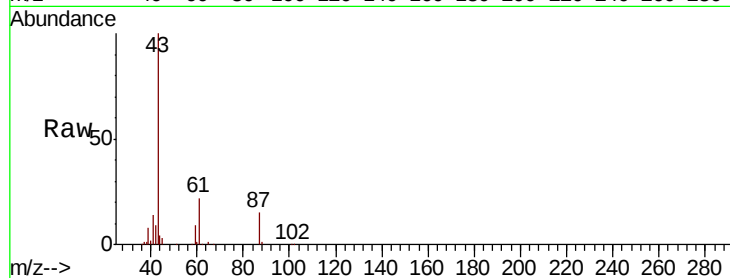




#43  
Isopropyl Acetate  
Concen: 8.073 ug/l  
RT: 8.16 min Scan# 1985  
Delta R.T. 0.00 min  
Lab File: VN057263.D  
Acq: 13 Aug 2019 22:15

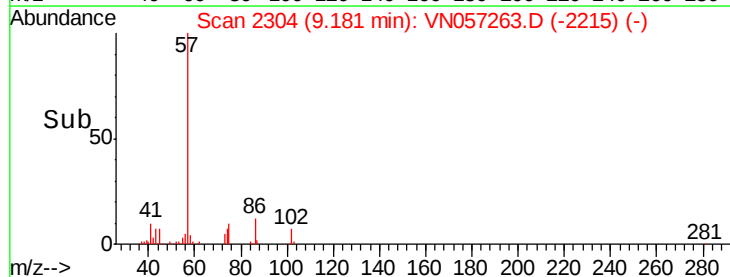
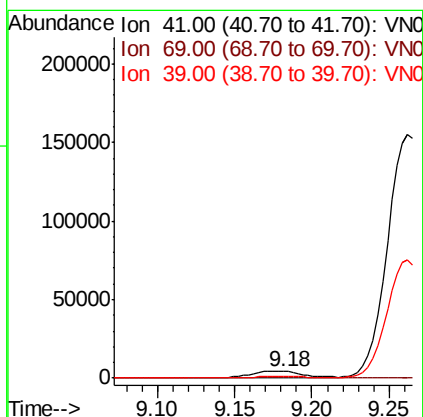
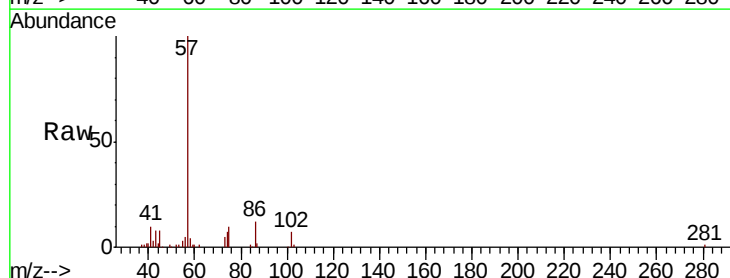
Instrument :  
MSVOA\_N  
ClientSampleId :  
R1-R2-A3-(0)

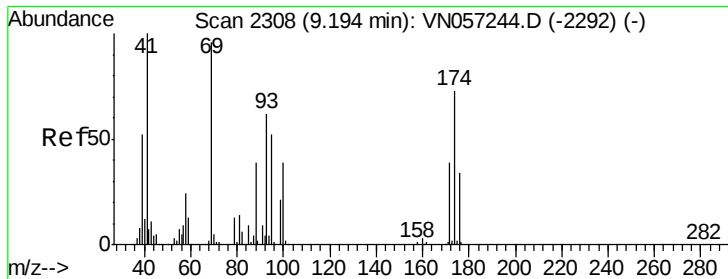
Tgt Ion: 43 Resp: 198173  
Ion Ratio Lower Upper  
43 100  
61 20.7 23.5 35.3#  
87 14.1 12.1 18.1



#48  
Methyl methacrylate  
Concen: 0.936 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.01 min  
Lab File: VN057263.D  
Acq: 13 Aug 2019 22:15

Tgt Ion: 41 Resp: 10631  
Ion Ratio Lower Upper  
41 100  
69 0.3 75.7 113.5#  
39 0.0 43.3 64.9#

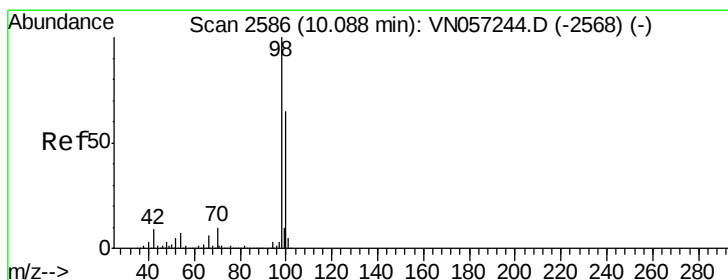
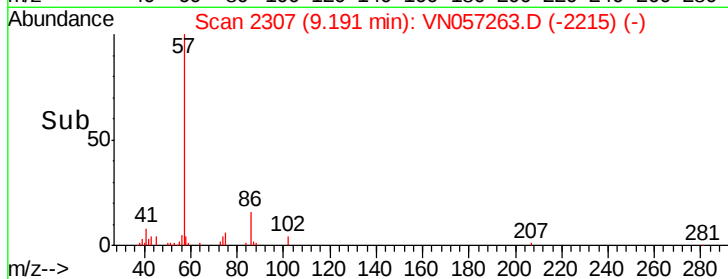
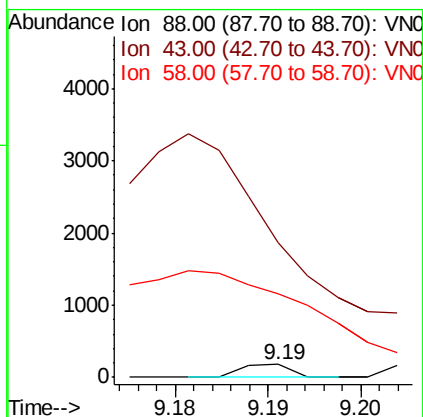
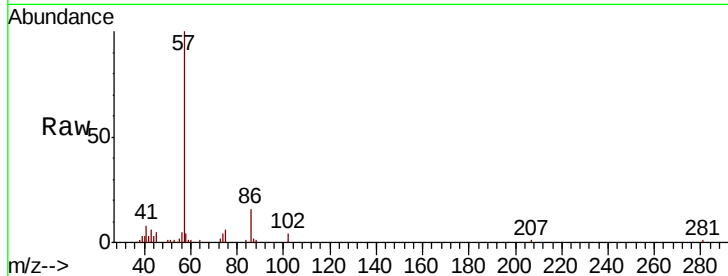




#49  
 1,4-Dioxane  
 Concen: 0.262 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

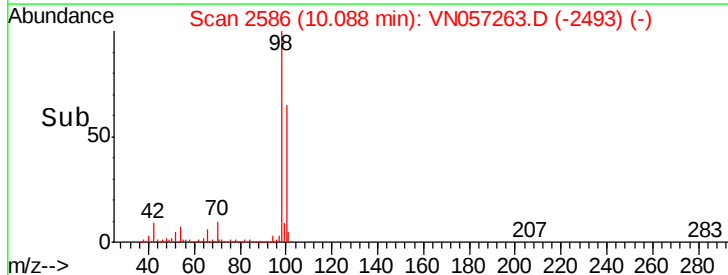
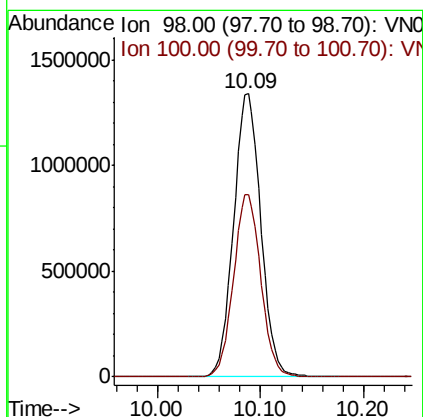
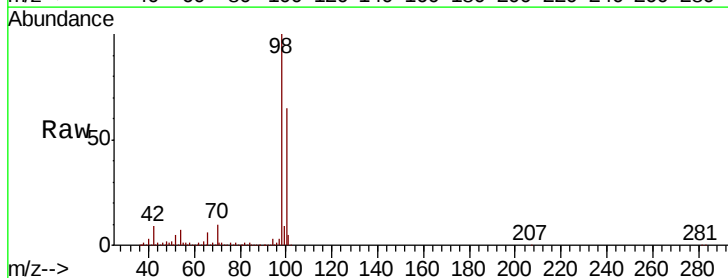
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A3-(0)

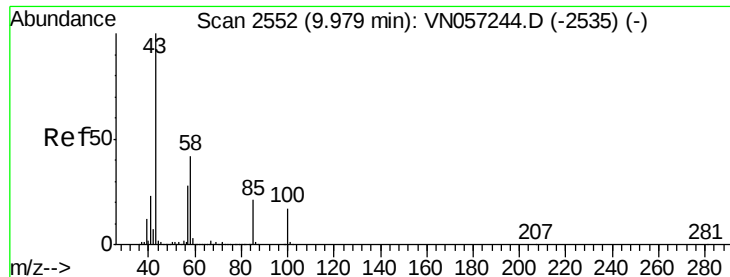
Tgt Ion: 88 Resp: 67  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 20.7 31.1#  
 58 4850.7 52.0 78.0#



#50  
 Toluene-d8  
 Concen: 49.942 ug/l  
 RT: 10.09 min Scan# 2586  
 Delta R.T. 0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Tgt Ion: 98 Resp: 2467182  
 Ion Ratio Lower Upper  
 98 100  
 100 64.5 51.8 77.6

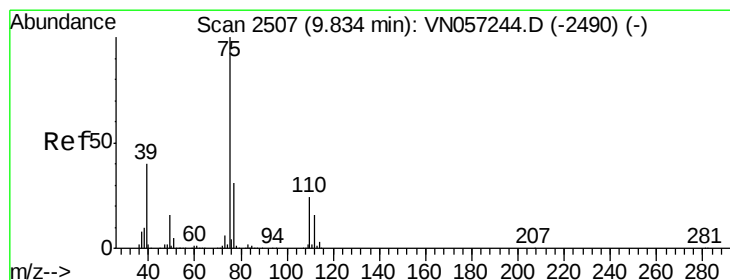
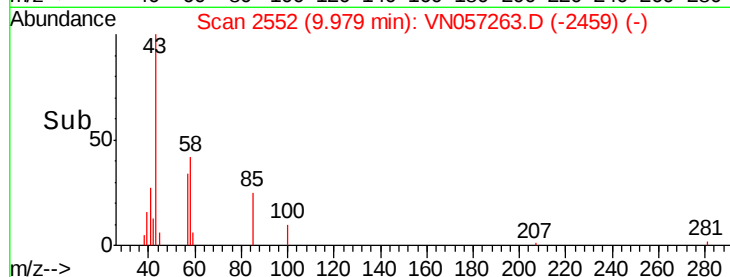
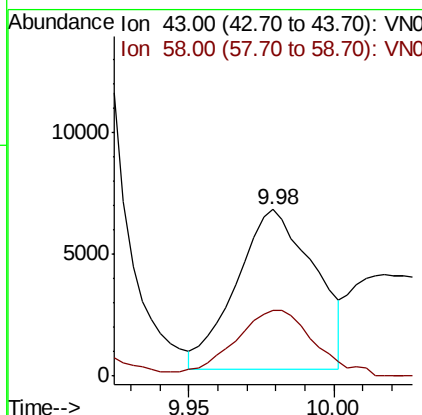
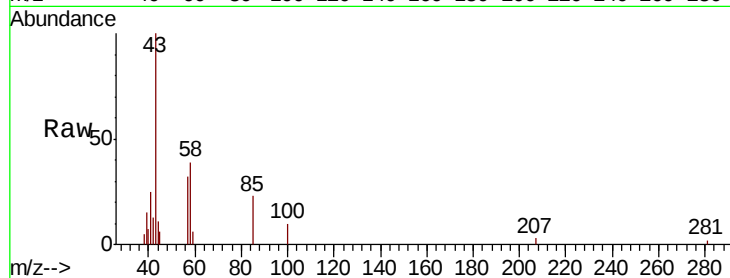




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.857 ug/l  
 RT: 9.98 min Scan# 2552  
 Delta R.T. 0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

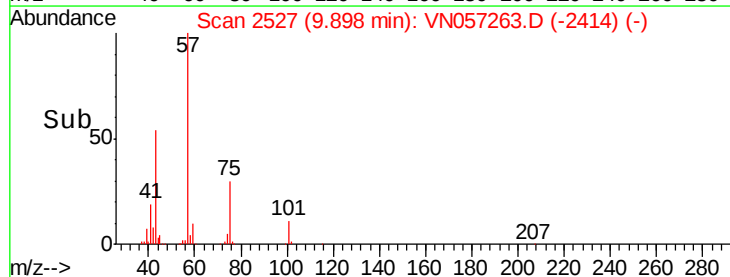
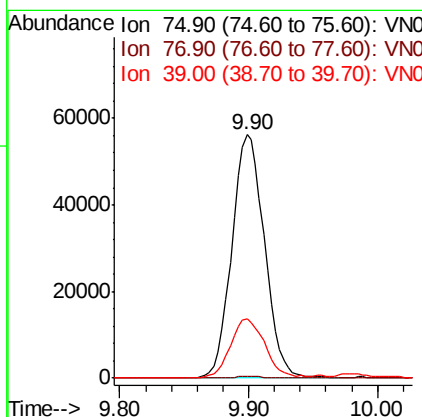
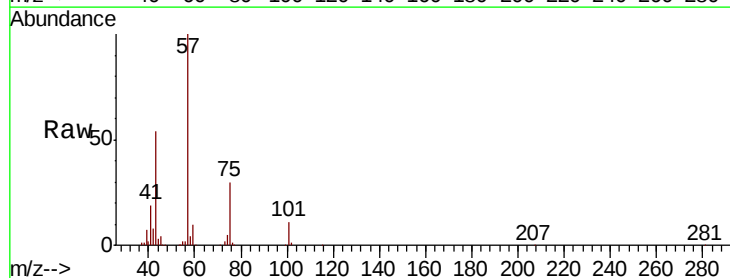
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 R1-R2-A3-(0)

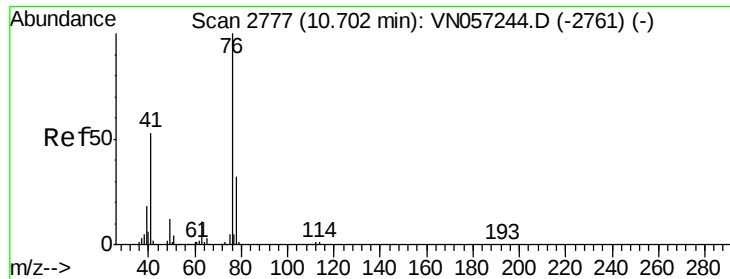
Tgt Ion: 43 Resp: 12360  
 Ion Ratio Lower Upper  
 43 100  
 58 41.7 33.7 50.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.411 ug/l  
 RT: 9.90 min Scan# 2527  
 Delta R.T. 0.06 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Tgt Ion: 75 Resp: 98666  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.0 37.6#  
 39 23.9 32.3 48.5#

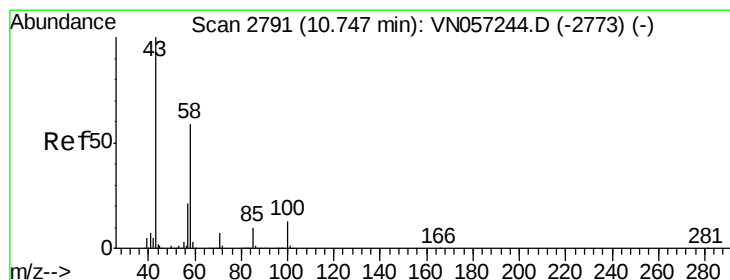
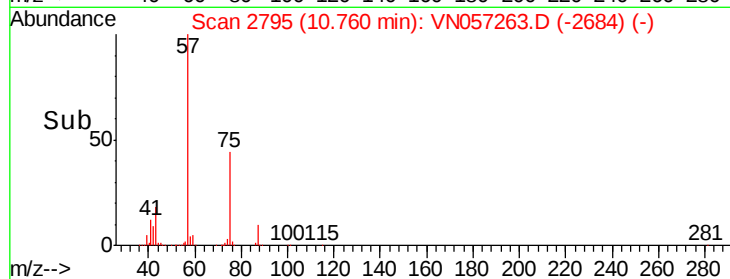
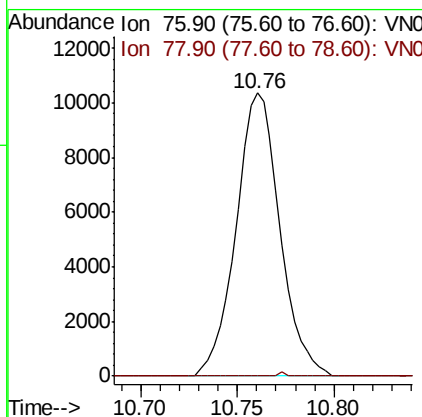
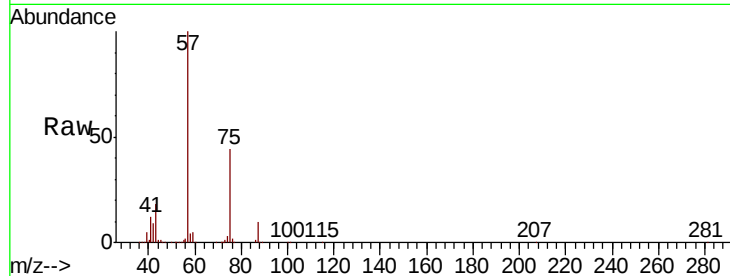




#57  
 1,3-Dichloropropane  
 Concen: 0.722 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.06 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

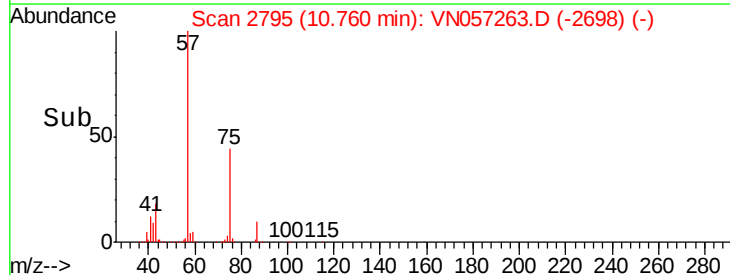
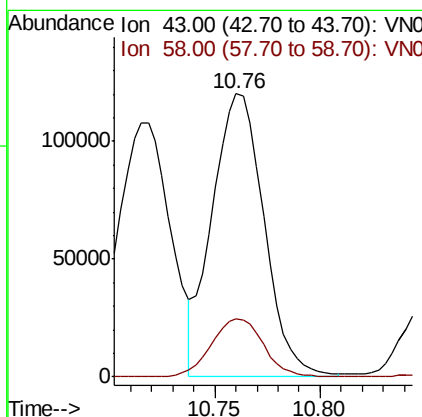
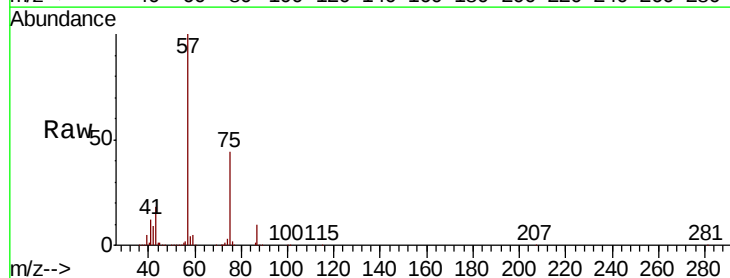
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 R1-R2-A3-(0)

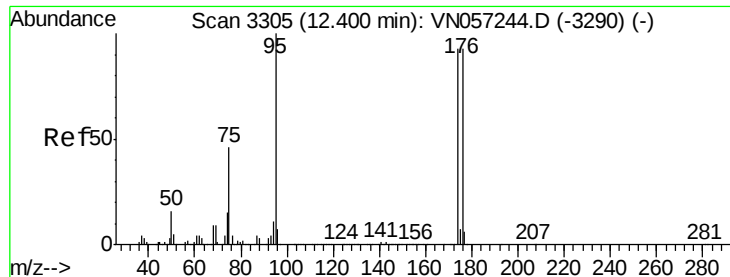
Tgt Ion: 76 Resp: 16299  
 Ion Ratio Lower Upper  
 76 100  
 78 0.2 26.0 39.0#



#59  
 2-Hexanone  
 Concen: 19.921 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.01 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Tgt Ion: 43 Resp: 203751  
 Ion Ratio Lower Upper  
 43 100  
 58 20.9 29.1 87.4#





#62

4-Bromofluorobenzene

Concen: 38.347 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A3-(0)

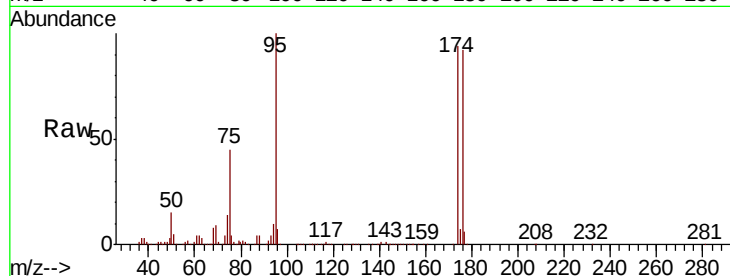
Tgt Ion: 95 Resp: 649668

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.6

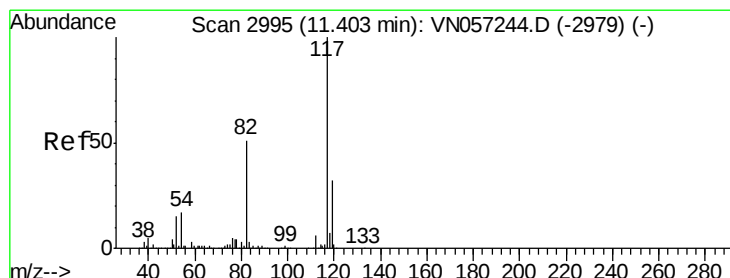
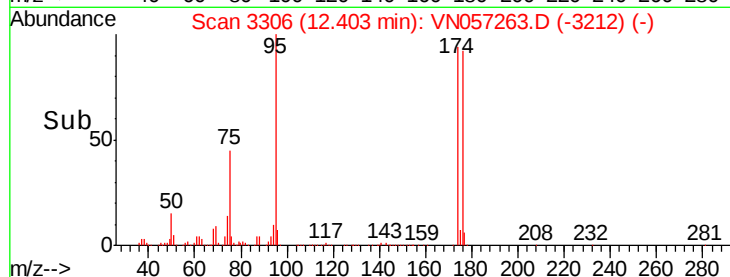
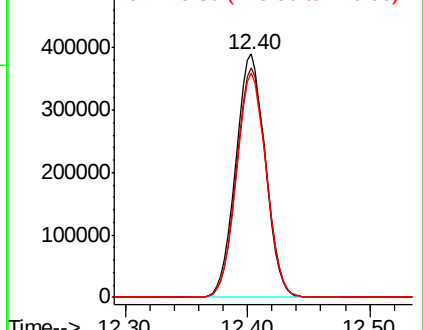
176 92.8 0.0 185.8



Abundance Ion 94.90 (94.60 to 95.60): VN057244.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN057244.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN057244.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

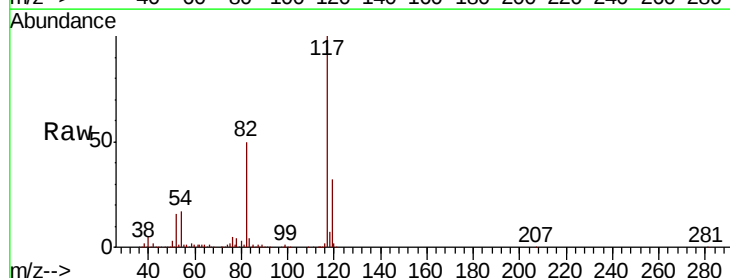
Tgt Ion: 117 Resp: 1771893

Ion Ratio Lower Upper

117 100

82 50.2 40.9 61.3

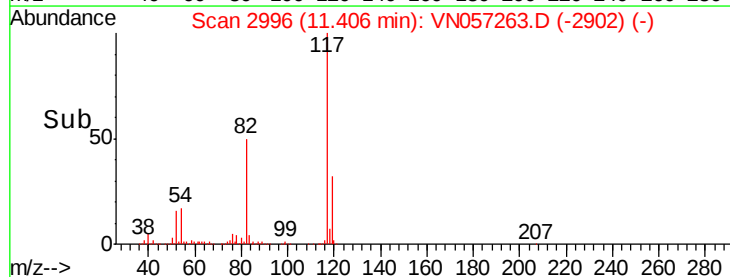
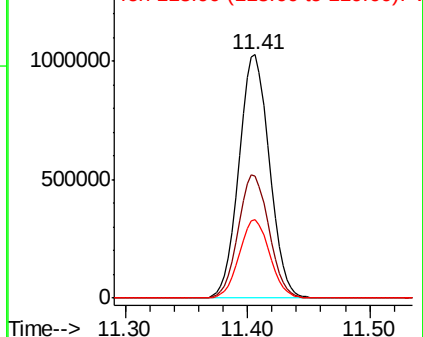
119 32.2 25.4 38.2

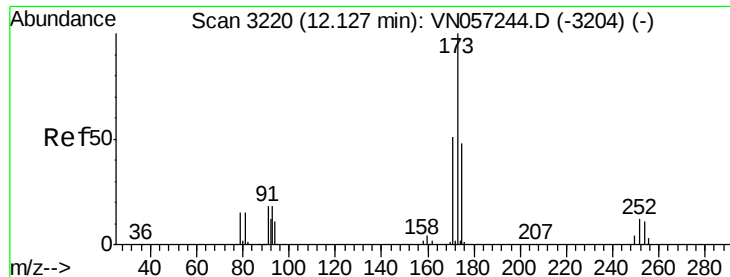


Abundance Ion 116.90 (116.60 to 117.60): VN057244.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN057244.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN057244.D (-2979) (-)





#71

Bromoform

Concen: 0.242 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A3-(0)

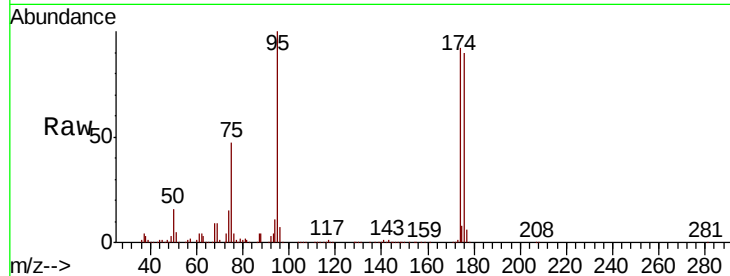
Tgt Ion:173 Resp: 2597

Ion Ratio Lower Upper

173 100

175 1595.6 24.4 73.2#

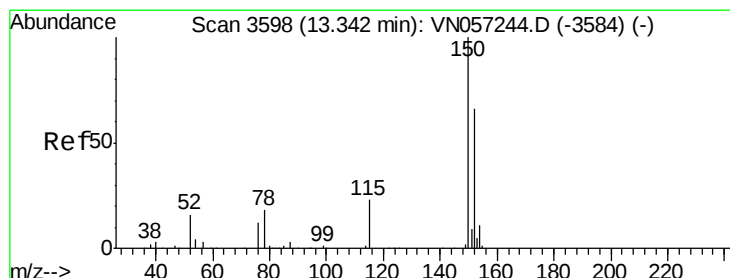
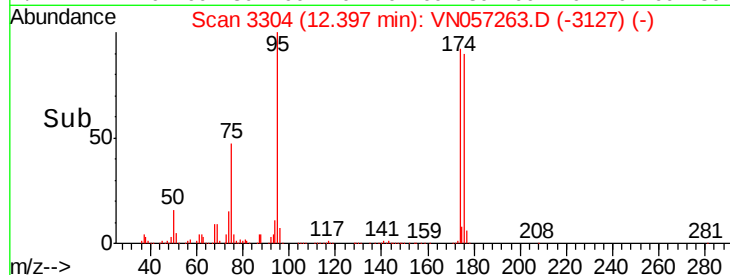
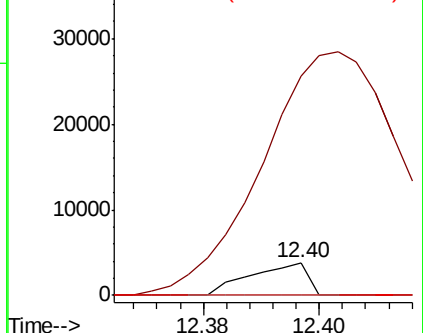
254 0.0 0.2 0.2#



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: VN057263.D

Acq: 13 Aug 2019 22:15

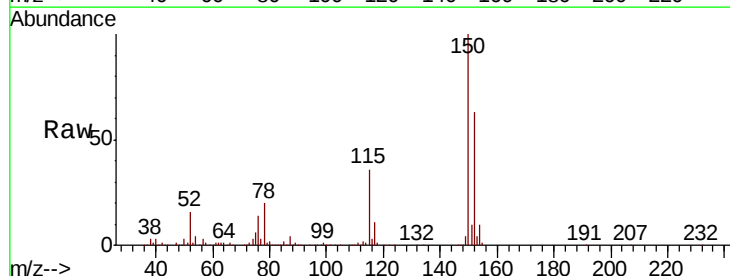
Tgt Ion:152 Resp: 450154

Ion Ratio Lower Upper

152 100

115 55.5 27.6 82.8

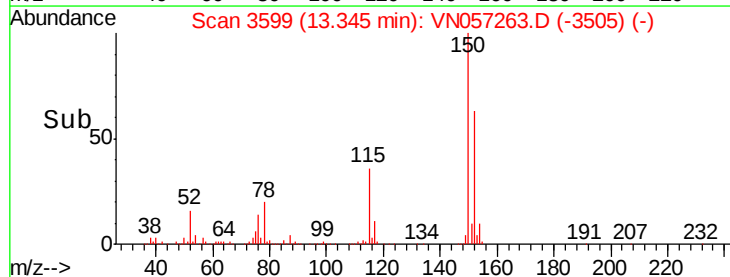
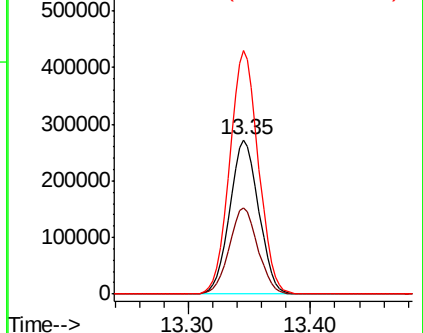
150 156.8 0.0 348.4

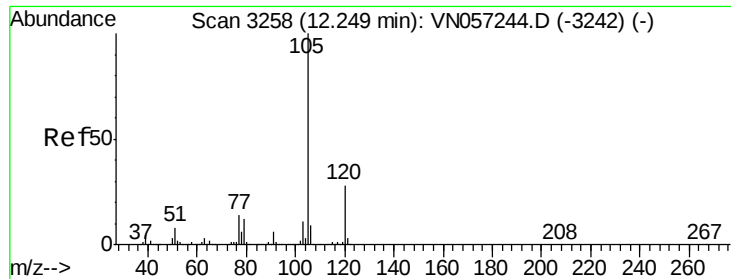


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

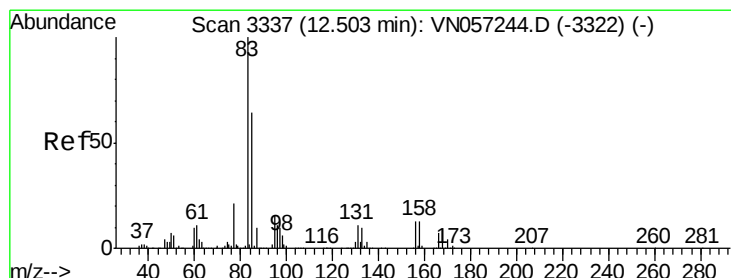
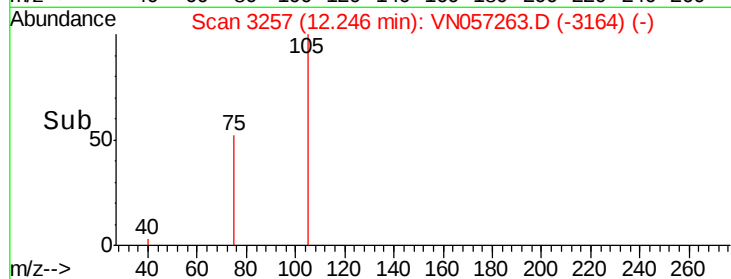
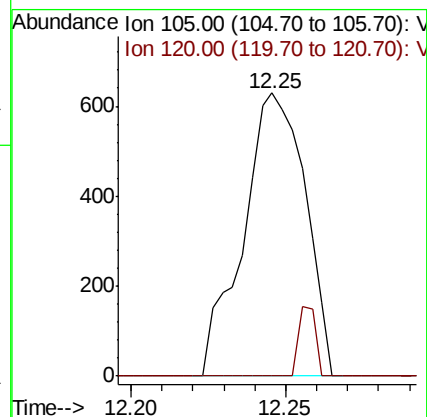
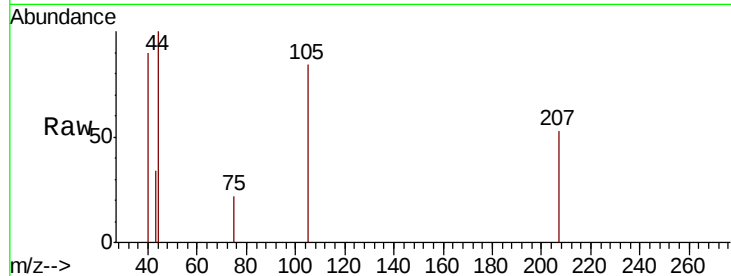
R1-R2-A3-(0)

Tgt Ion: 105 Resp: 878

Ion Ratio Lower Upper

105 100

120 6.7 13.8 41.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3312

Delta R.T. -0.08 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

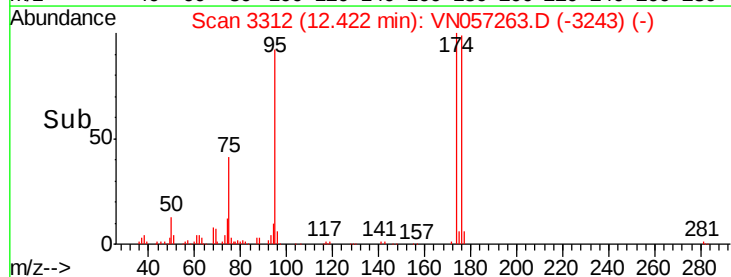
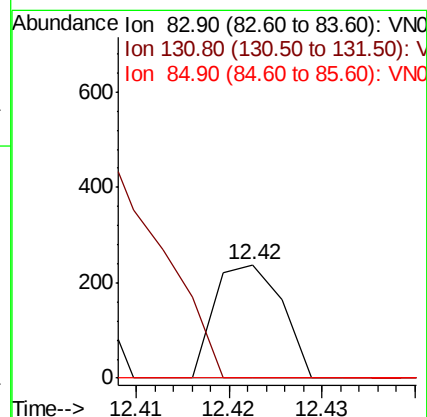
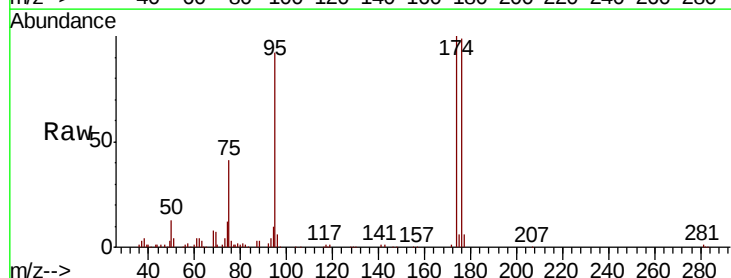
Tgt Ion: 83 Resp: 120

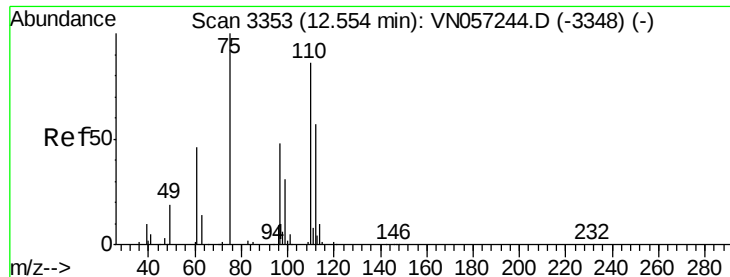
Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 37.156 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampled :

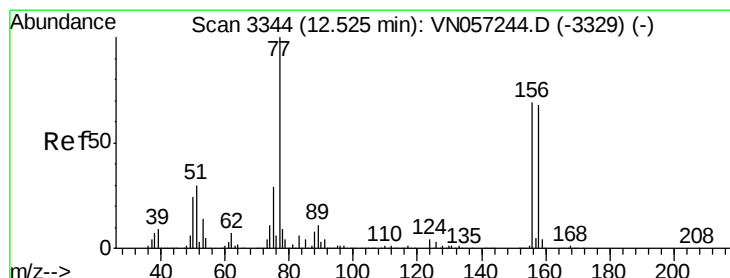
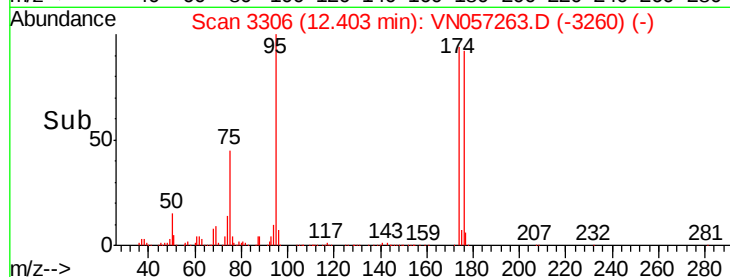
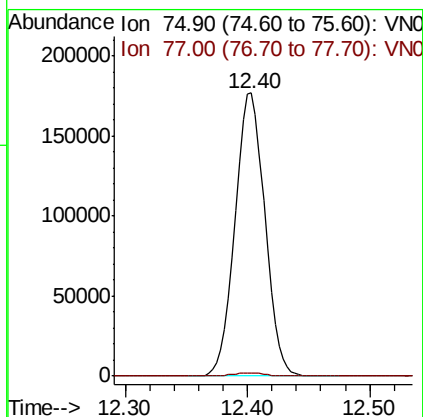
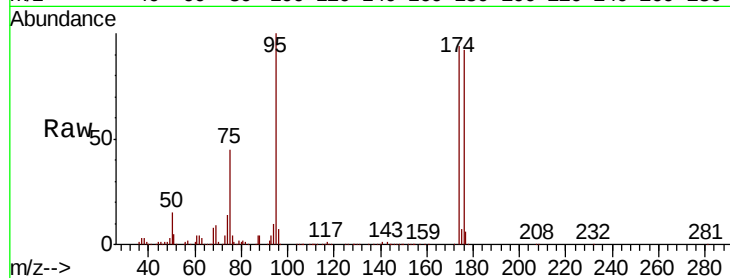
R1-R2-A3-(0)

Tgt Ion: 75 Resp: 299895

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

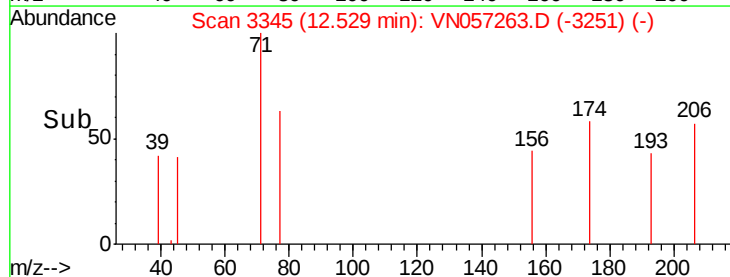
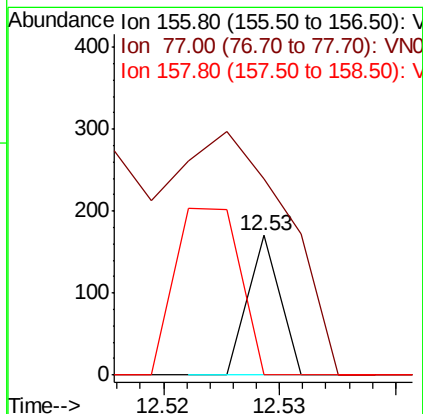
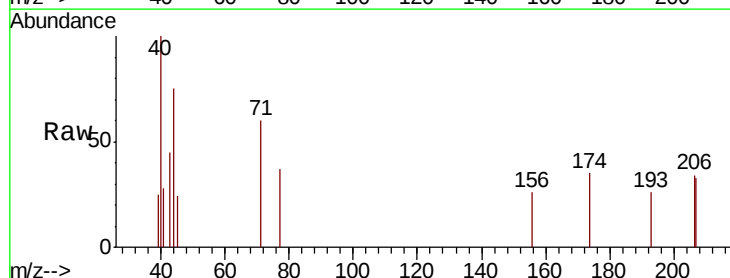
Tgt Ion: 156 Resp: 33

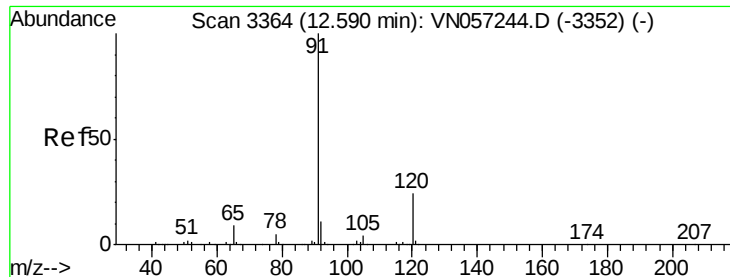
Ion Ratio Lower Upper

156 100

77 851.5 88.0 264.1#

158 236.4 49.4 148.0#





#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3367

Delta R.T. 0.01 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampled :

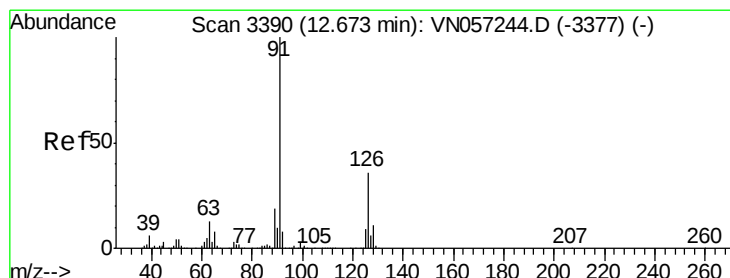
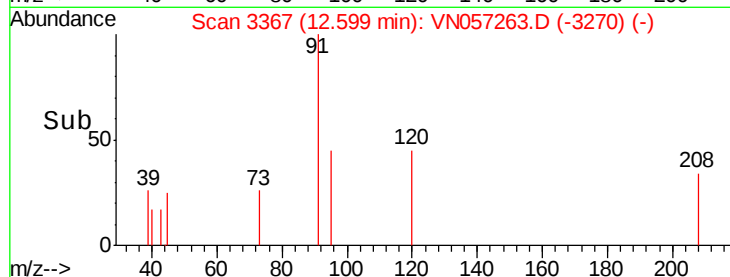
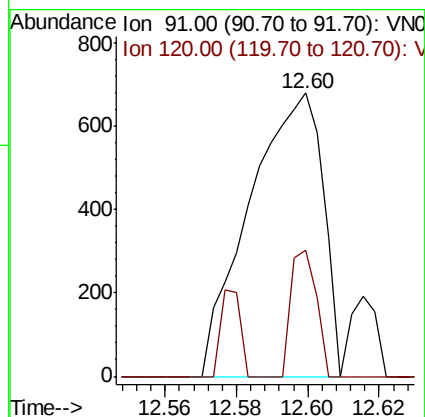
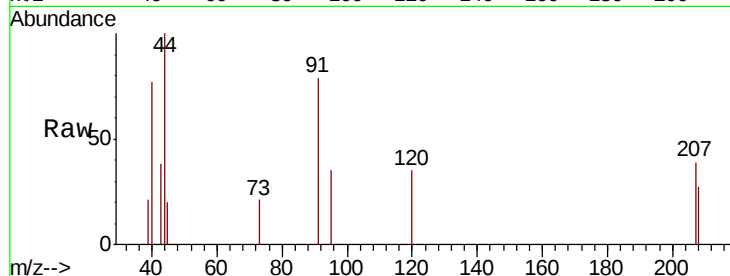
R1-R2-A3-(0)

Tgt Ion: 91 Resp: 964

Ion Ratio Lower Upper

91 100

120 15.6 12.1 36.3



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057263.D

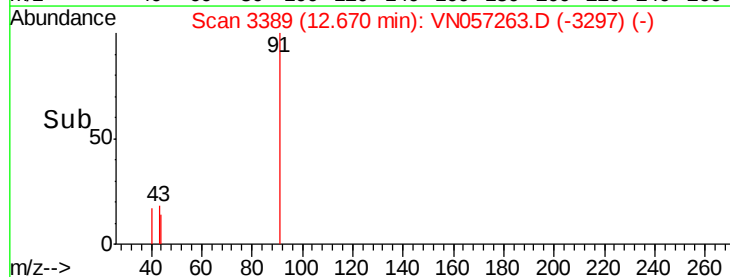
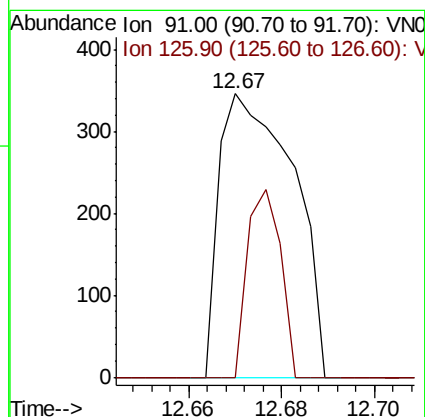
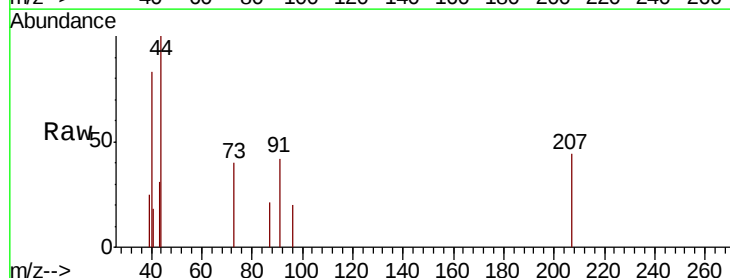
Acq: 13 Aug 2019 22:15

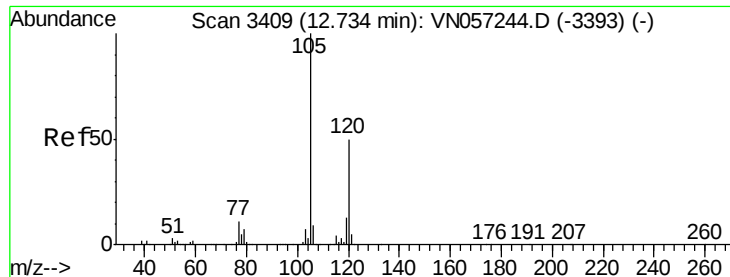
Tgt Ion: 91 Resp: 383

Ion Ratio Lower Upper

91 100

126 29.8 18.0 54.0

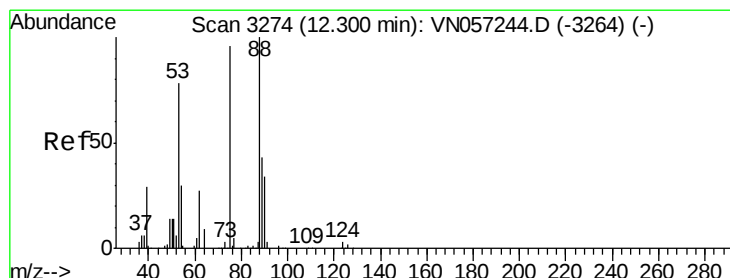
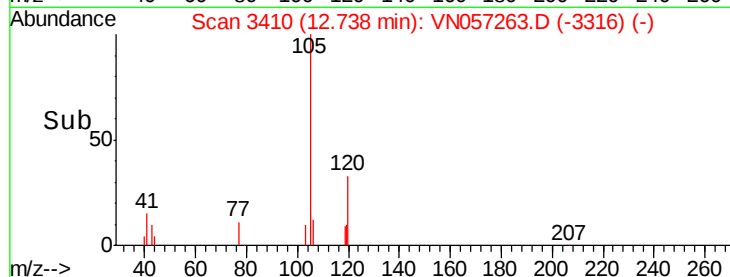
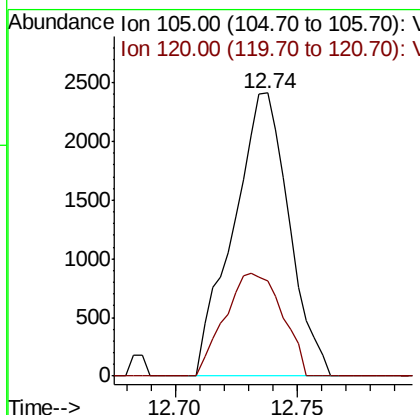
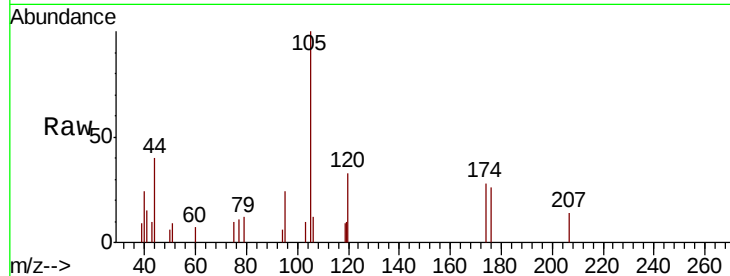




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.74 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

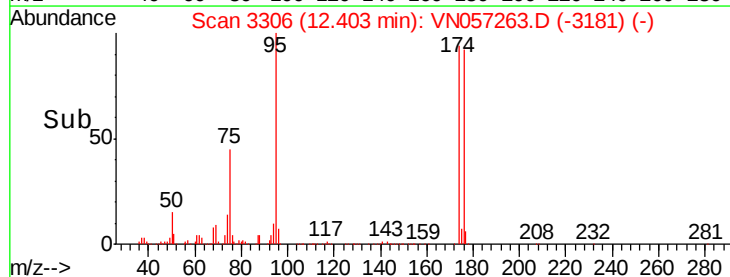
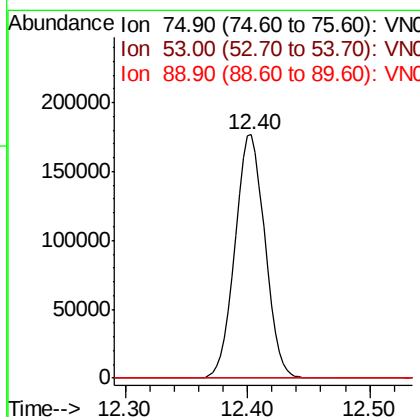
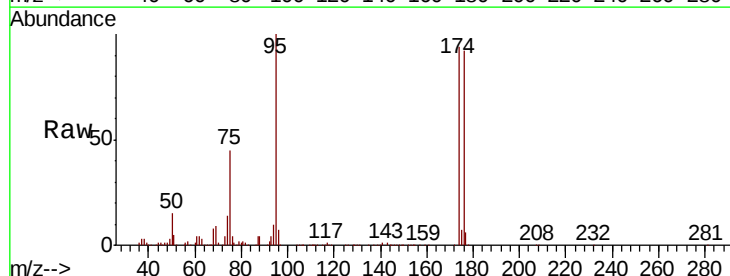
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 R1-R2-A3-(0)

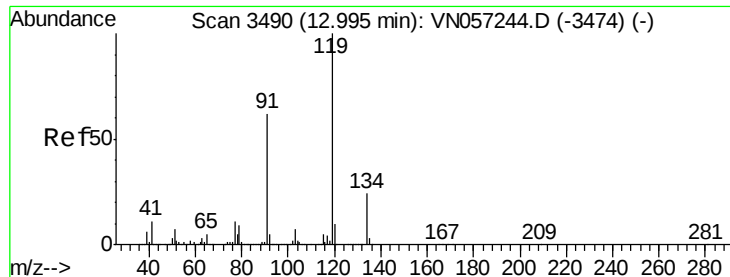
Tgt Ion: 105 Resp: 3816  
 Ion Ratio Lower Upper  
 105 100  
 120 37.5 25.3 75.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.484 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.10 min  
 Lab File: VN057263.D  
 Acq: 13 Aug 2019 22:15

Tgt Ion: 75 Resp: 299895  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 65.8 98.6#  
 89 0.0 36.7 55.1#

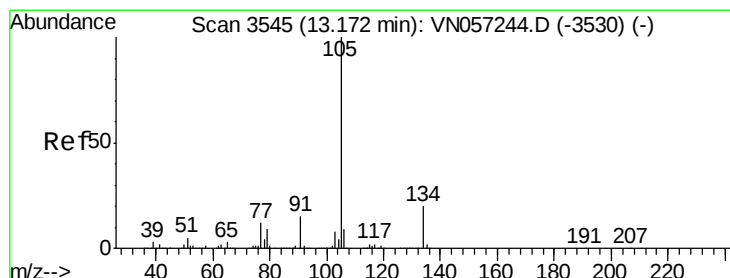
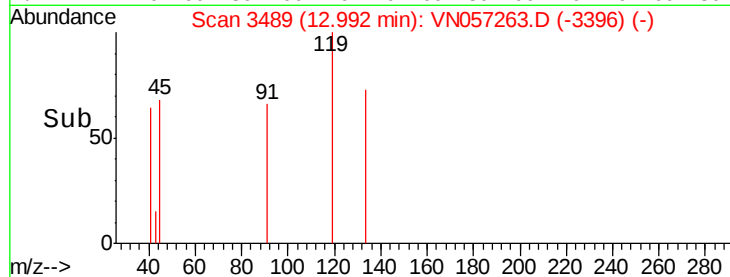
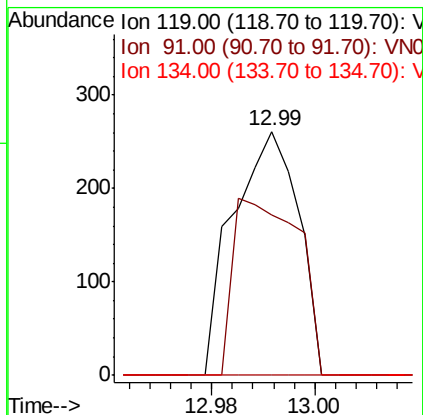
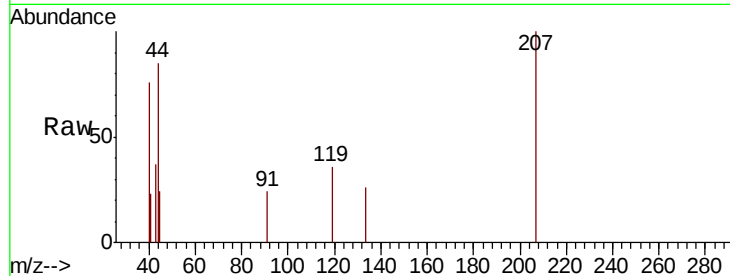




#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.99 min Scan# 3489  
Delta R.T. -0.00 min  
Lab File: VN057263.D  
Acq: 13 Aug 2019 22:15

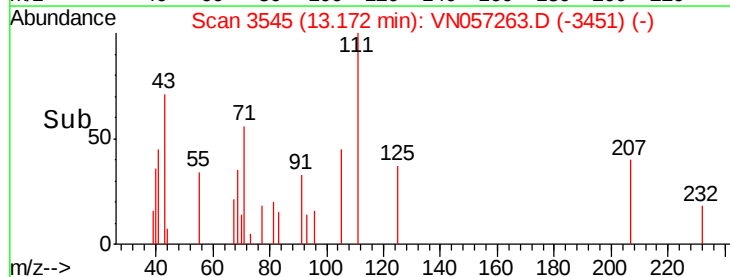
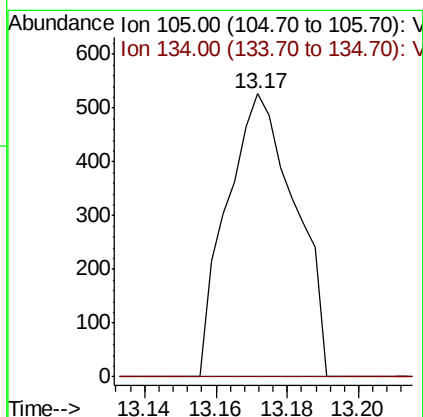
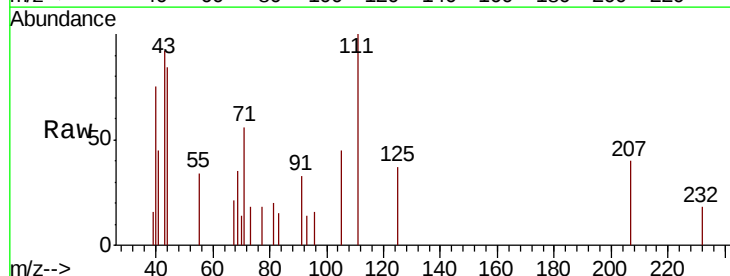
Instrument :  
MSVOA\_N  
ClientSampleId :  
R1-R2-A3-(0)

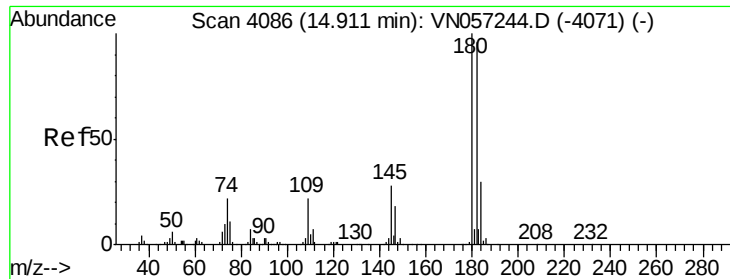
Tgt Ion:119 Resp: 230  
Ion Ratio Lower Upper  
119 100  
91 72.2 30.8 92.3  
134 0.0 12.9 38.7#



#85  
sec-Butylbenzene  
Concen: Below Cal  
RT: 13.17 min Scan# 3545  
Delta R.T. 0.00 min  
Lab File: VN057263.D  
Acq: 13 Aug 2019 22:15

Tgt Ion:105 Resp: 696  
Ion Ratio Lower Upper  
105 100  
134 0.0 10.4 31.2#





#93

1,2,4-Trichlorobenzene

Concen: 3.290 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

Instrument :

MSVOA\_N

ClientSampleId :

R1-R2-A3-(0)

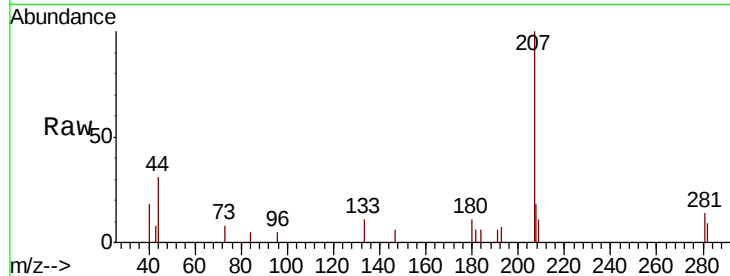
Tgt Ion:180 Resp: 278

Ion Ratio Lower Upper

180 100

182 35.3 47.7 143.1#

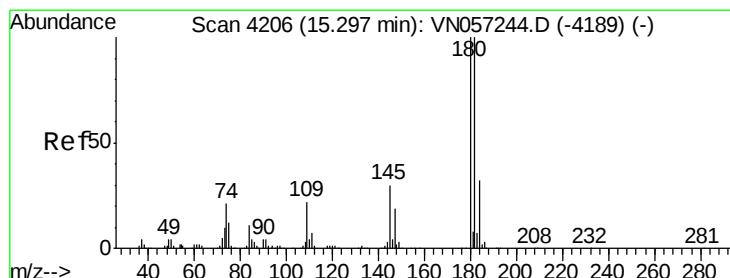
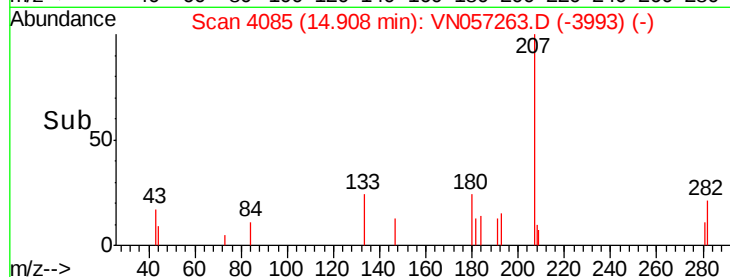
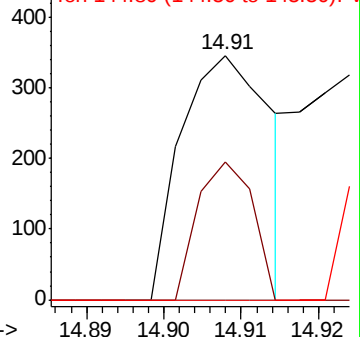
145 24.5 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#96

1,2,3-Trichlorobenzene

Concen: 4.328 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN057263.D

Acq: 13 Aug 2019 22:15

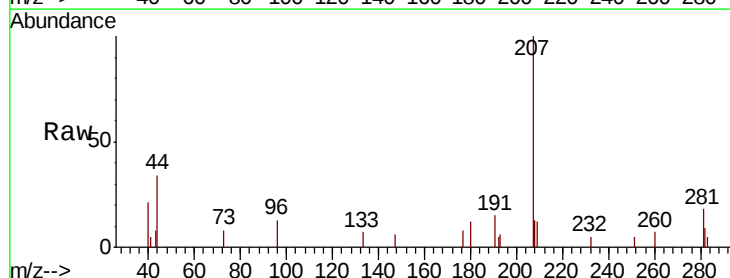
Tgt Ion:180 Resp: 534

Ion Ratio Lower Upper

180 100

182 37.6 48.9 146.7#

145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

