

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN082419\  
 Data File : VN057491.D  
 Acq On : 23 Aug 2019 23:26  
 Operator : JC/SP  
 Sample : K4472-35  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-S1(0)

Quant Time: Aug 26 05:16:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082219W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 23 05:07:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 381407   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 678956   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 560948   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 136419   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 326787   | 48.71 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.42% |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 218098   | 47.56 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.12% |          |
| 50) Toluene-d8              | 10.08 | 98   | 855859   | 49.36 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.72% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 230272   | 39.19 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 78.38% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 8) Diethyl Ether               | 3.40  | 74   | 3224     | Below Cal |        | 68     |
| 9) 1,1,2-Trichlorotrifluoroet  | 3.71  | 101  | 30       | Below Cal | #      | 1      |
| 13) Acrolein                   | 3.58  | 56   | 203      | 0.277     | ug/l # | 47     |
| 16) Acetone                    | 3.80  | 43   | 26717    | 8.671     | ug/l   | 98     |
| 18) Methyl Acetate             | 4.31  | 43   | 10373    | 0.618     | ug/l # | 85     |
| 20) Methylene Chloride         | 4.53  | 84   | 7596     | 1.590     | ug/l   | 96     |
| 25) 2-Butanone                 | 6.82  | 43   | 1452     | 0.434     | ug/l # | 53     |
| 31) Cyclohexane                | 7.65  | 56   | 12347    | 1.310     | ug/l # | 45     |
| 36) 1,1-Dichloropropene        | 7.65  | 75   | 38432    | 5.540     | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 7.65  | 117  | 41714    | 6.052     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.16  | 43   | 101373   | 8.065     | ug/l   | 99     |
| 48) Methyl methacrylate        | 9.18  | 41   | 5540     | 0.927     | ug/l # | 15     |
| 49) 1,4-Dioxane                | 9.43  | 88   | 108      | 1.397     | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 5401     | 0.771     | ug/l # | 78     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 39222    | 4.347     | ug/l # | 61     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 5602     | 0.663     | ug/l # | 43     |
| 58) 2-Chloroethyl Vinyl ether  | 9.72  | 63   | 138      | 17.125    | ug/l # | 52     |
| 59) 2-Hexanone                 | 10.76 | 43   | 89665    | 18.661    | ug/l # | 54     |
| 71) Bromoform                  | 12.40 | 173  | 2154     | 0.733     | ug/l # | 1      |
| 73) Isopropylbenzene           | 12.40 | 105  | 304      | Below Cal | #      | 50     |
| 74) N-amyl acetate             | 12.03 | 43   | 1363     | Below Cal | #      | 61     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.46 | 83   | 83       | Below Cal | #      | 25     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 132808   | 43.497    | ug/l # | 100    |
| 77) Bromobenzene               | 12.42 | 156  | 30       | Below Cal | #      | 1      |
| 78) n-propylbenzene            | 12.59 | 91   | 62       | Below Cal | #      | 55     |
| 79) 2-Chlorotoluene            | 12.69 | 91   | 184      | Below Cal | #      | 44     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1014     | Below Cal |        | 92     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 132808   | 111.715   | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 12.76 | 91   | 129      | Below Cal | #      | 45     |
| 83) tert-Butylbenzene          | 13.26 | 119  | 70       | Below Cal | #      | 22     |
| 85) sec-Butylbenzene           | 13.18 | 105  | 69       | Below Cal | #      | 58     |
| 95) Naphthalene                | 15.14 | 128  | 532      | 4.429     | ug/l # | 69     |

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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T6-S1(0)

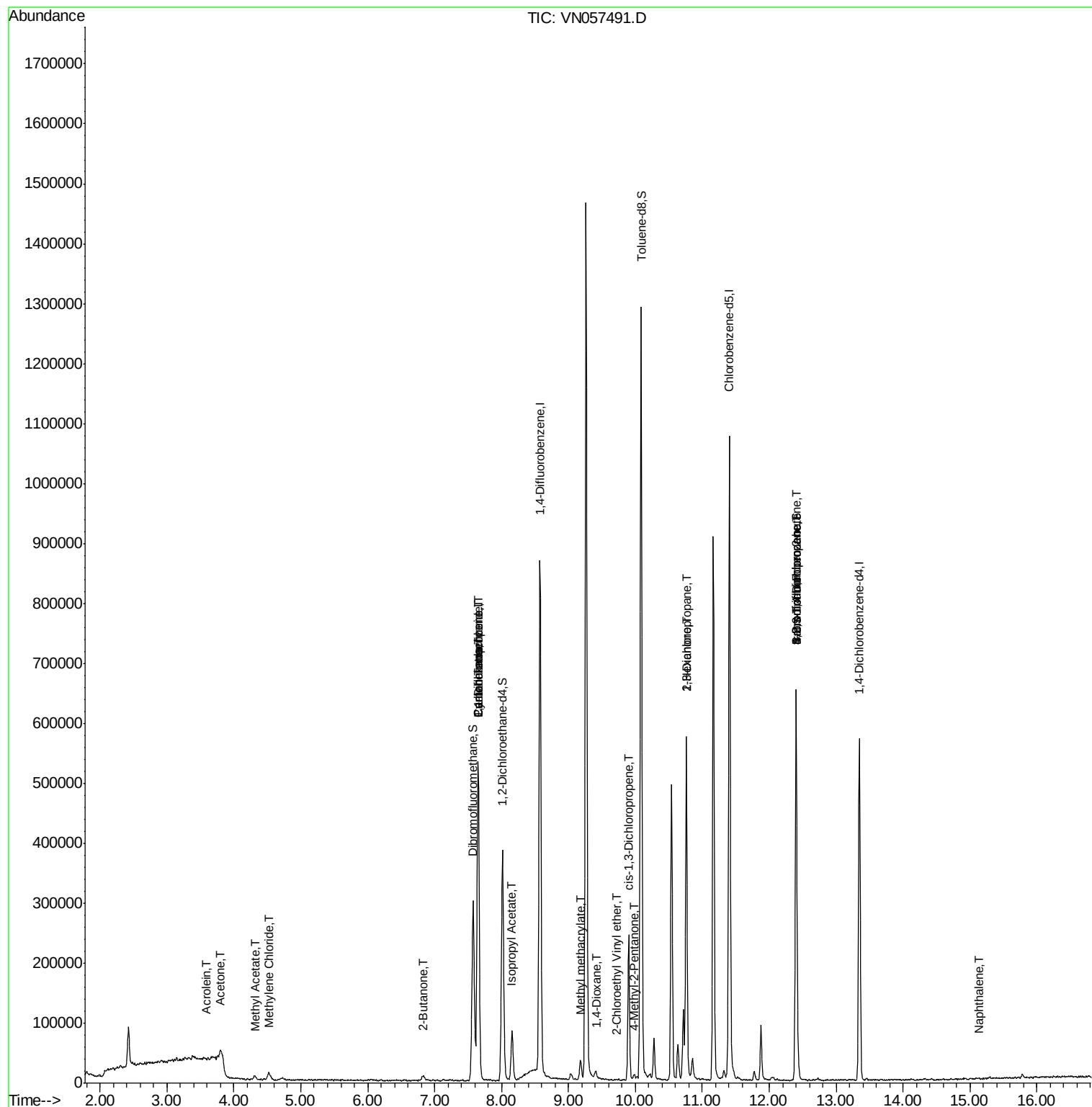
Quant Time: Aug 26 05:16:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N082219W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 23 05:07:29 2019  
Response via : Initial Calibration

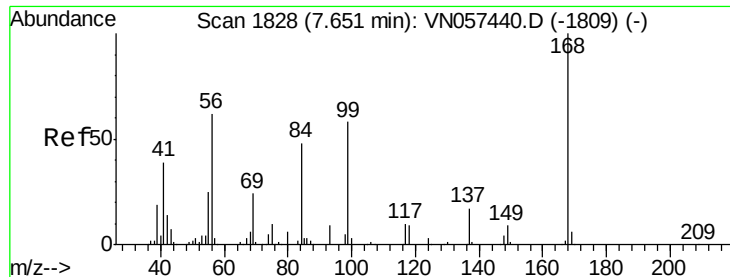
| Internal Standards                                                         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN082419\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampled :

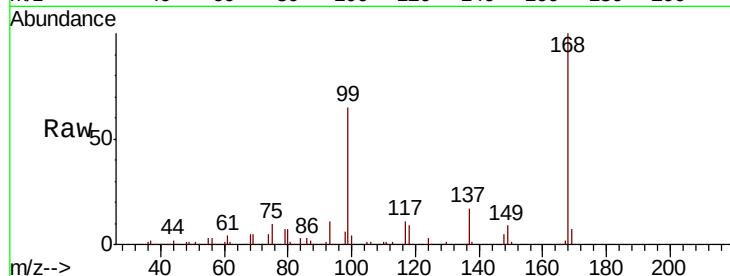
T6-S1(0)

Tgt Ion:168 Resp: 381407

Ion Ratio Lower Upper

168 100

99 64.7 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): VN057440.D

Ion 98.90 (98.60 to 99.60): VN057440.D

7.65

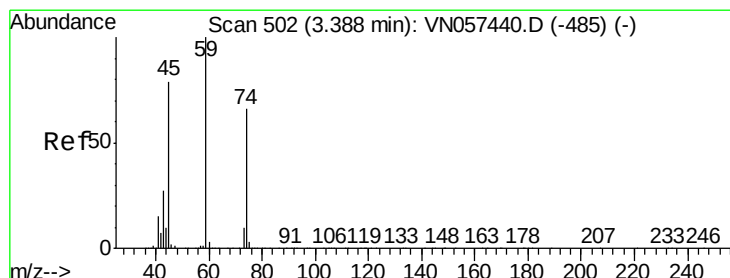
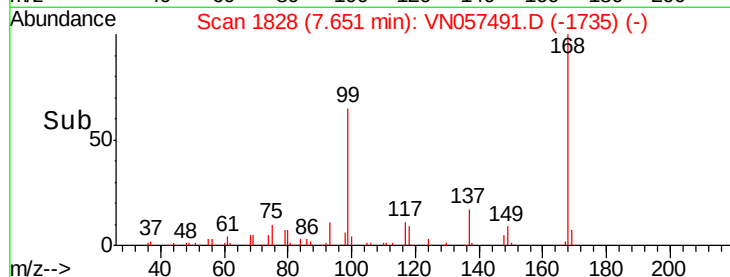
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN057491.D

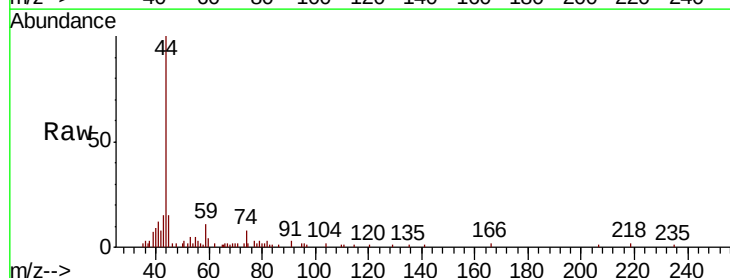
Acq: 23 Aug 2019 23:26

Tgt Ion: 74 Resp: 3224

Ion Ratio Lower Upper

74 100

45 81.4 57.9 173.6



Abundance Ion 74.00 (73.70 to 74.70): VN057440.D

Ion 45.00 (44.70 to 45.70): VN057440.D

3.40

2500

2000

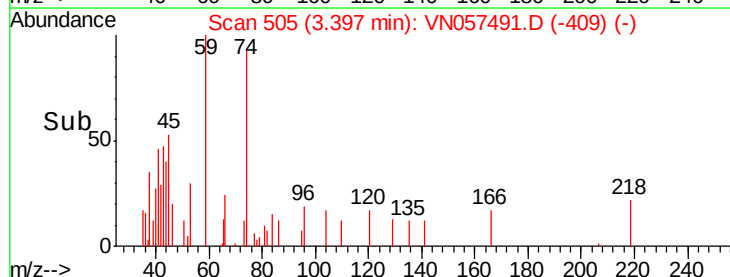
1500

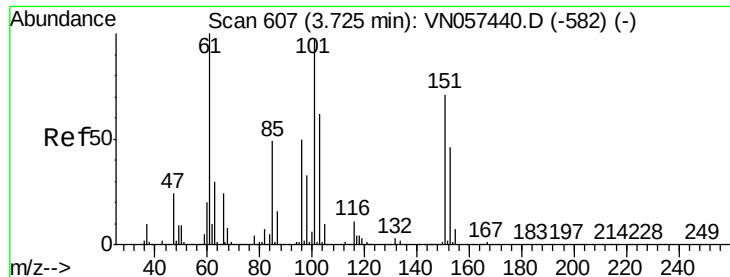
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampled :

T6-S1(0)

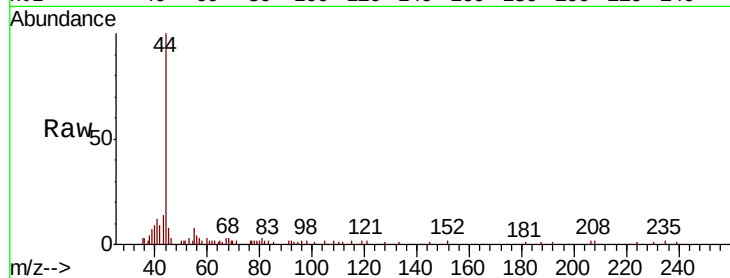
Tgt Ion:101 Resp: 30

Ion Ratio Lower Upper

101 100

85 976.7 40.0 60.0#

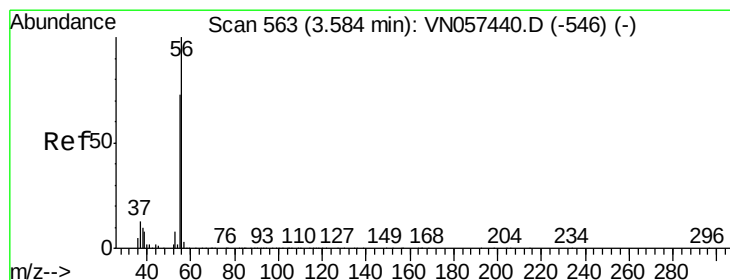
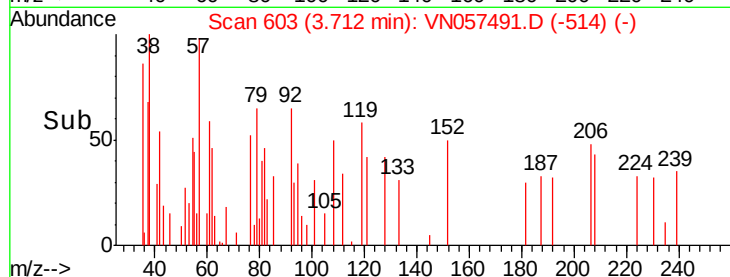
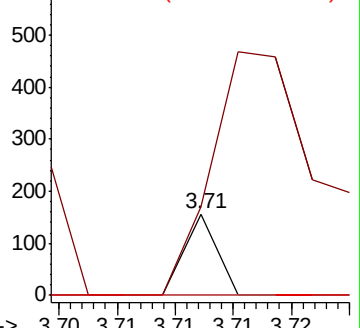
151 0.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: 0.277 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN057491.D

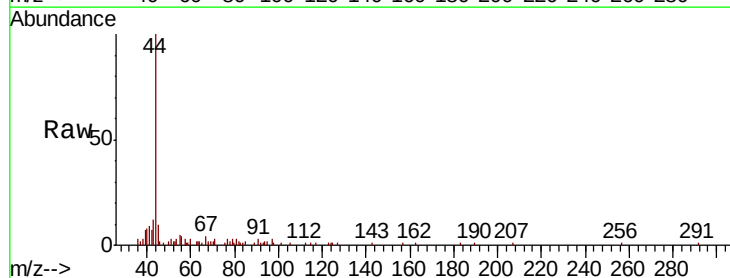
Acq: 23 Aug 2019 23:26

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

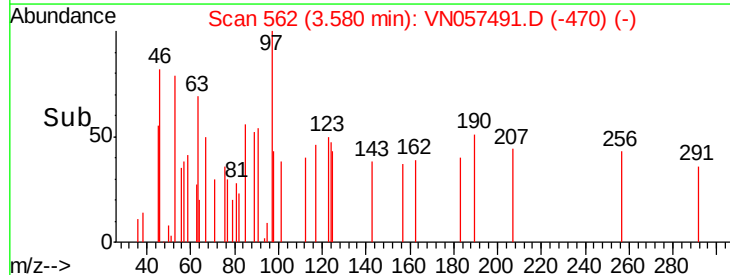
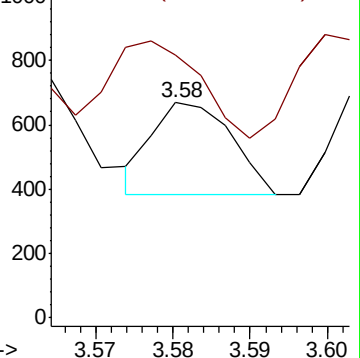
56 100

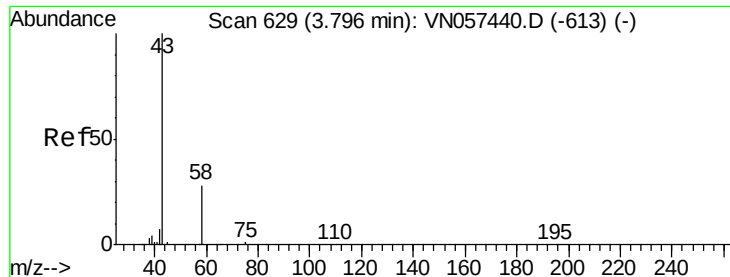
55 118.7 59.0 88.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

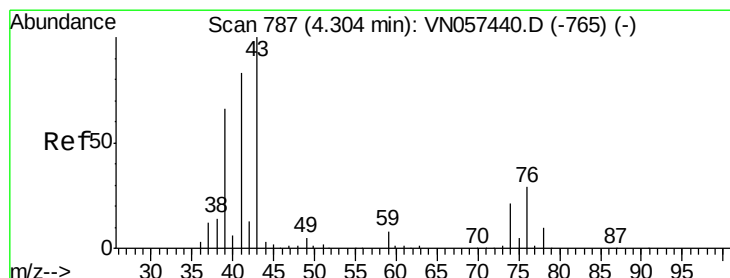
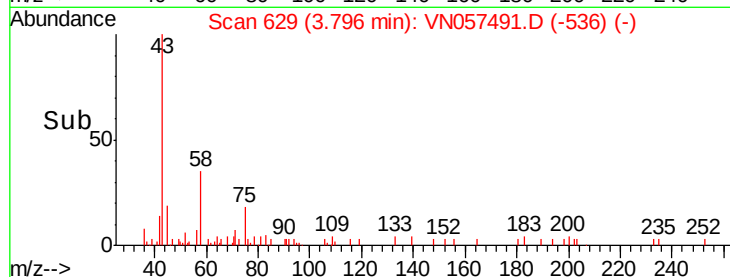
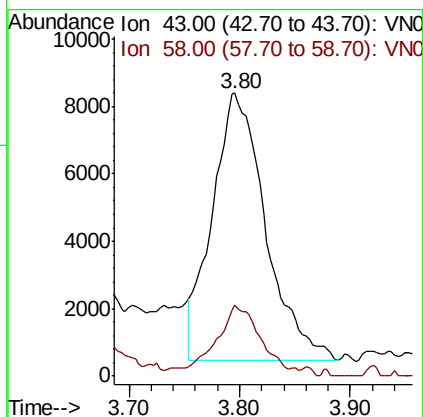
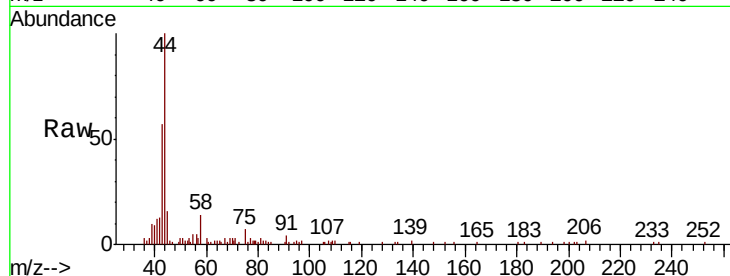




#16  
Acetone  
Concen: 8.671 ug/l  
RT: 3.80 min Scan# 629  
Delta R.T. -0.00 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

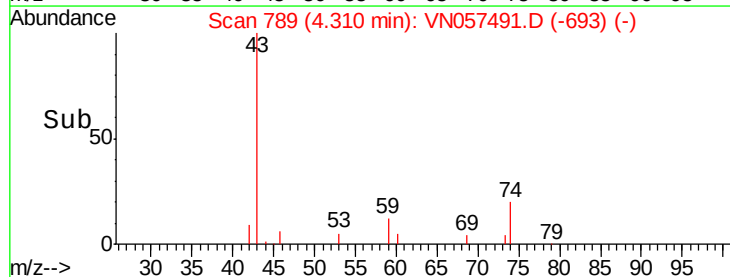
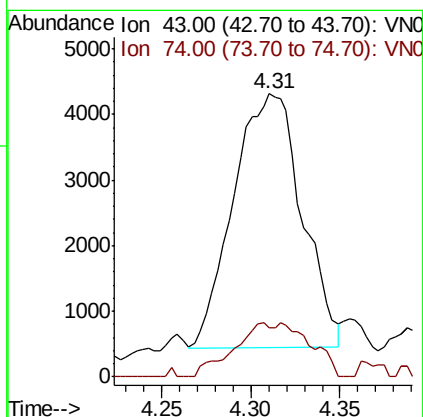
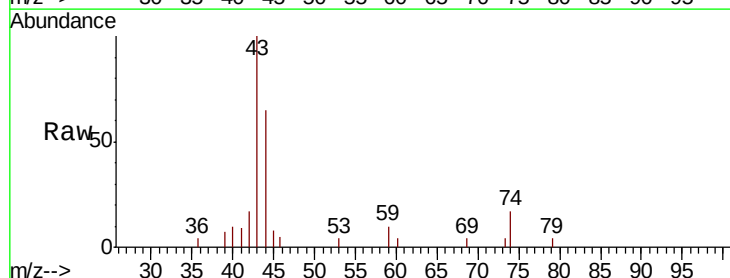
Instrument :  
MSVOA\_N  
ClientSampleId :  
T6-S1(0)

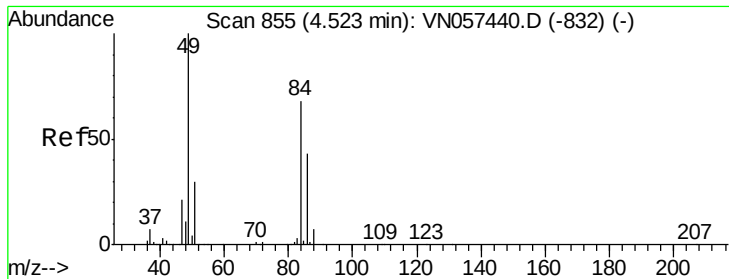
Tgt Ion: 43 Resp: 26717  
Ion Ratio Lower Upper  
43 100  
58 26.3 22.1 33.1



#18  
Methyl Acetate  
Concen: 0.618 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. 0.01 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Tgt Ion: 43 Resp: 10373  
Ion Ratio Lower Upper  
43 100  
74 12.8 15.9 23.9#





#20

Methylene Chloride

Concen: 1.590 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
T6-S1(0)

Tgt Ion: 84 Resp: 7596

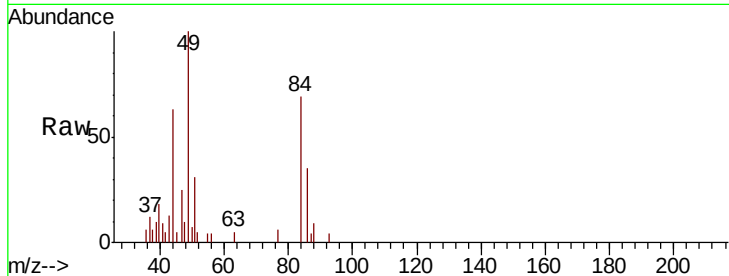
Ion Ratio Lower Upper

84 100

49 146.0 117.0 175.4

51 45.5 35.5 53.3

86 51.2 49.8 74.8

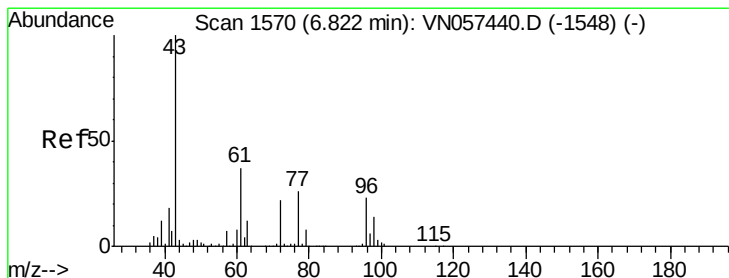
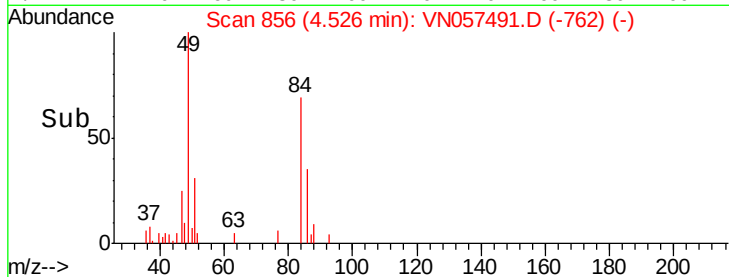
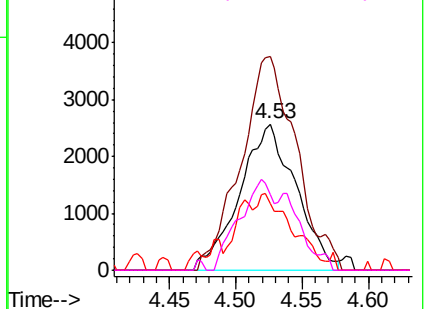


Abundance Ion 83.90 (83.60 to 84.60): VN057491.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN057491.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN057491.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN057491.D (-762) (-)



#25

2-Butanone

Concen: 0.434 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057491.D

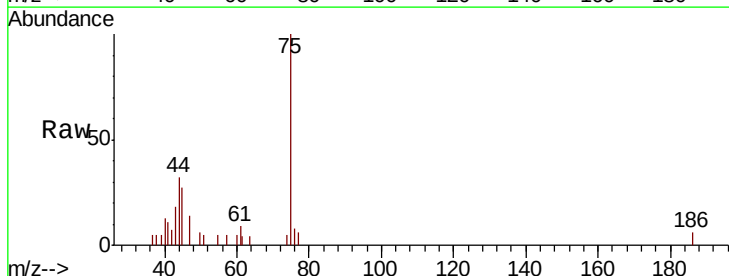
Acq: 23 Aug 2019 23:26

Tgt Ion: 43 Resp: 1452

Ion Ratio Lower Upper

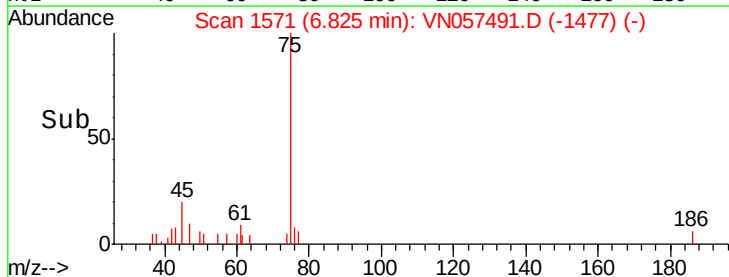
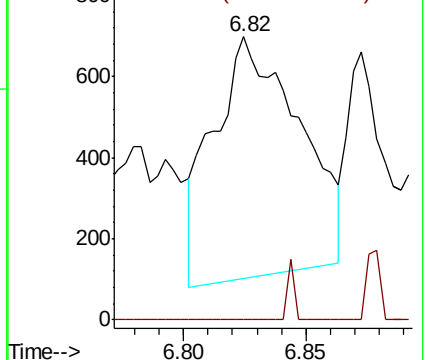
43 100

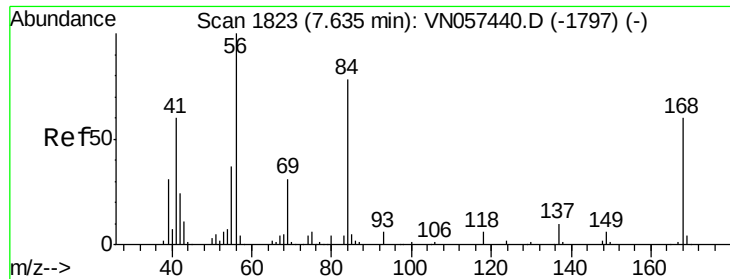
72 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057491.D (-1477) (-)

Ion 72.00 (71.70 to 72.70): VN057491.D (-1477) (-)

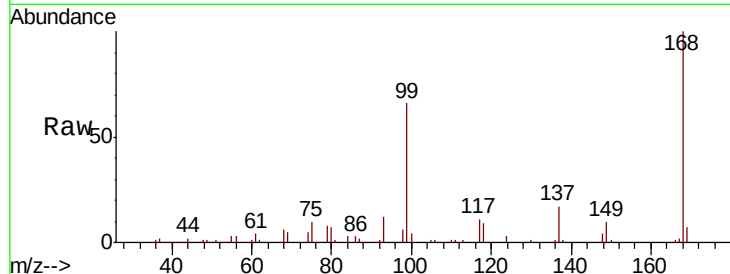




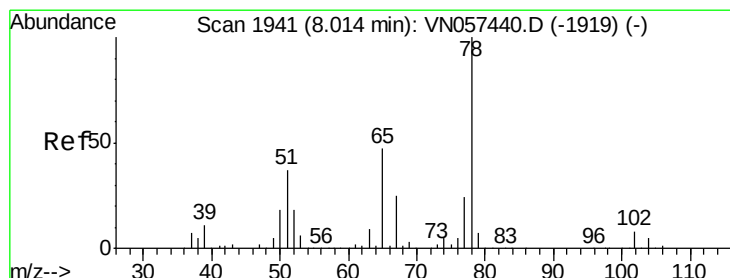
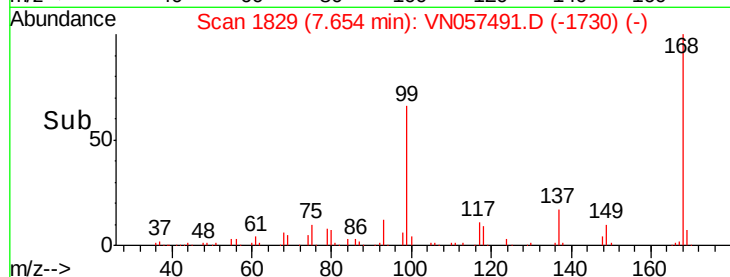
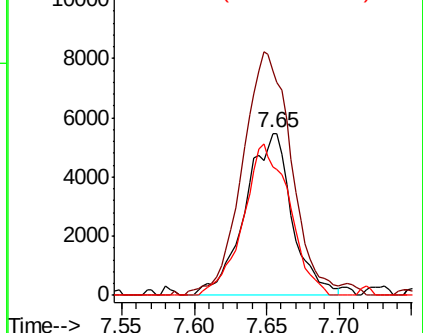
#31  
Cyclohexane  
Concen: 1.310 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.02 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Instrument :  
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ClientSampleId :  
T6-S1(0)

Tgt Ion: 56 Resp: 12347  
Ion Ratio Lower Upper  
56 100  
69 136.1 25.0 37.6#  
84 79.5 62.5 93.7

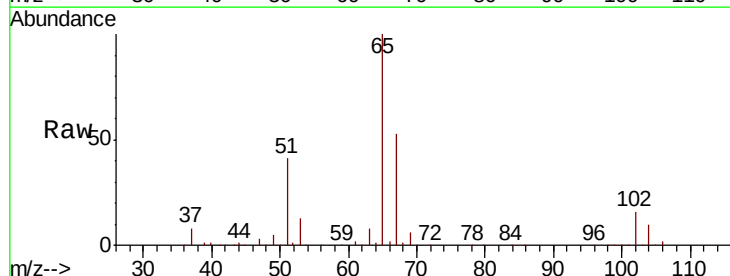


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

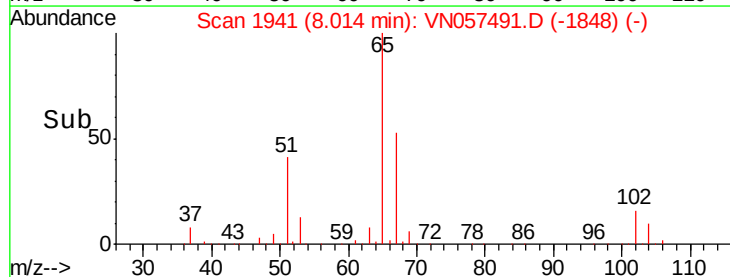
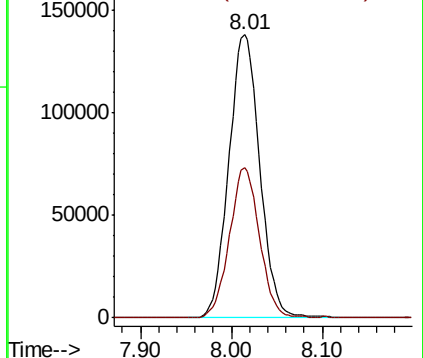


#33  
1,2-Dichloroethane-d4  
Concen: 48.706 ug/l  
RT: 8.01 min Scan# 1941  
Delta R.T. -0.00 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

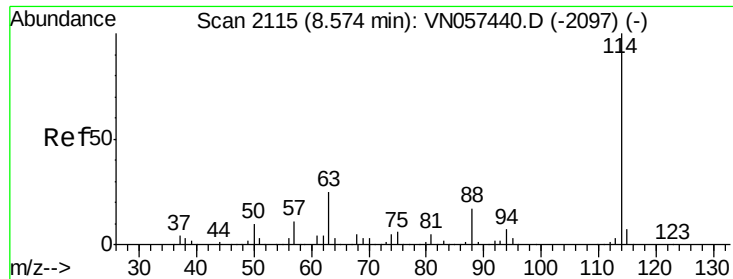
Tgt Ion: 65 Resp: 326787  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0



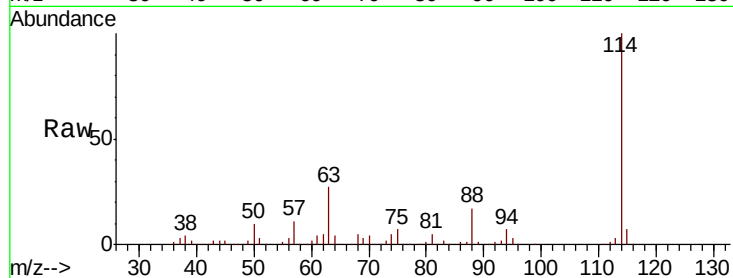




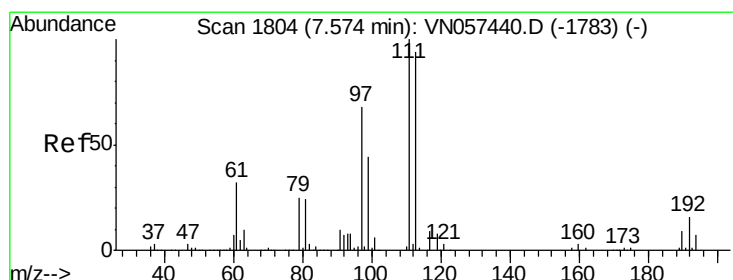
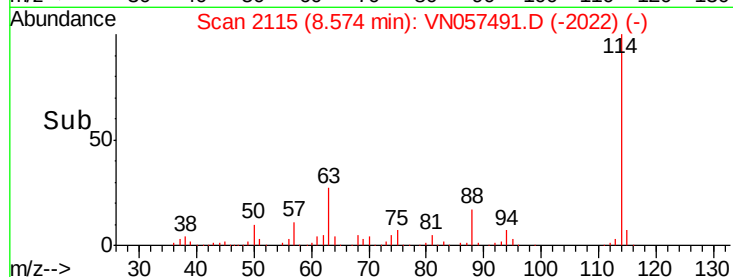
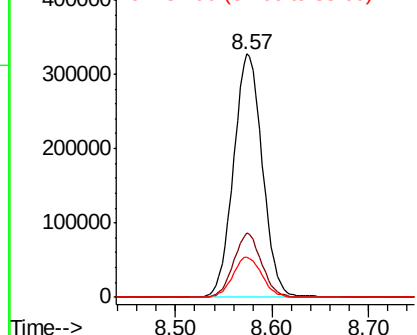
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-S1(0)

Tgt Ion:114 Resp: 678956  
 Ion Ratio Lower Upper  
 114 100  
 63 26.7 0.0 50.2  
 88 16.7 0.0 34.6

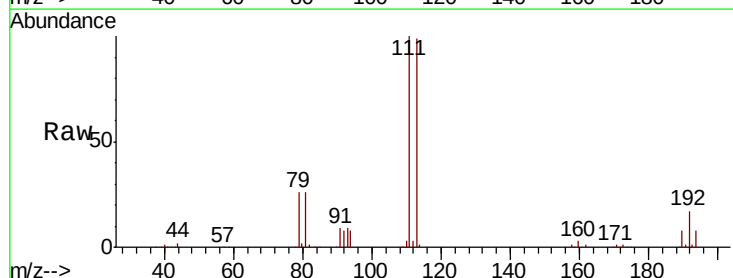


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

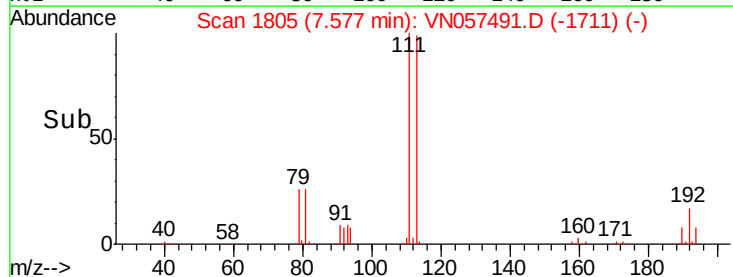
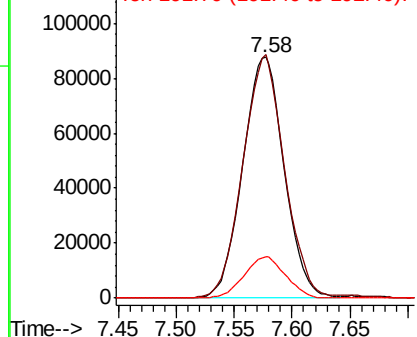


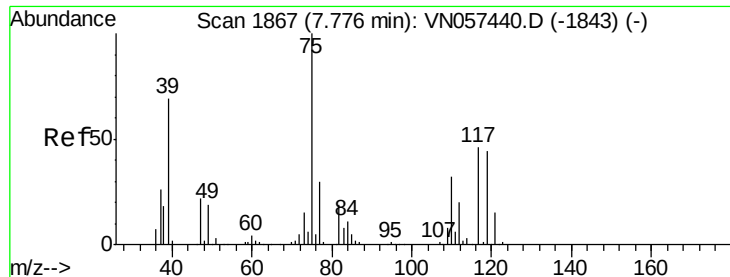
#35  
 Dibromofluoromethane  
 Concen: 47.557 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. 0.00 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion:113 Resp: 218098  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 83.8 125.6  
 192 17.1 13.5 20.3



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

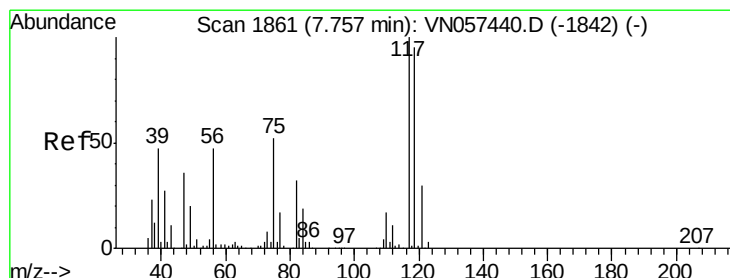
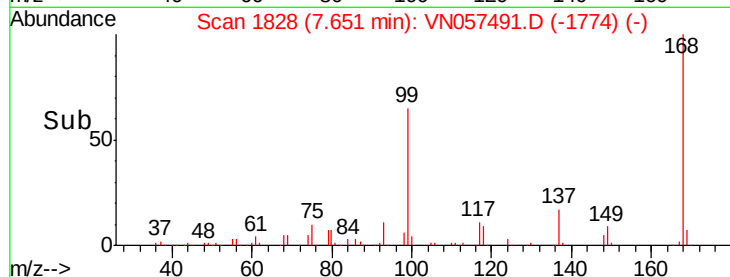
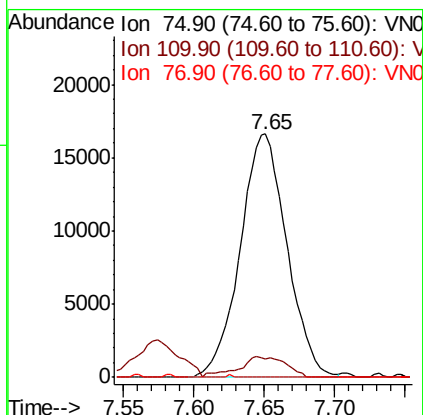
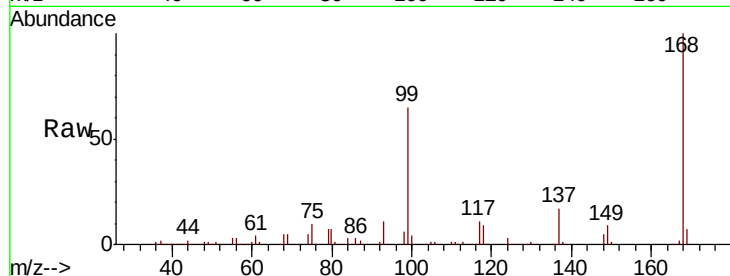




#36  
 1,1-Dichloropropene  
 Concen: 5.540 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.13 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

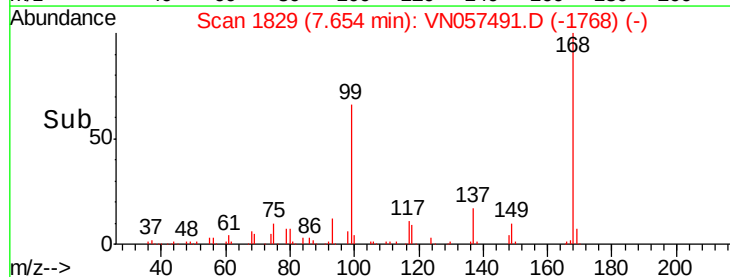
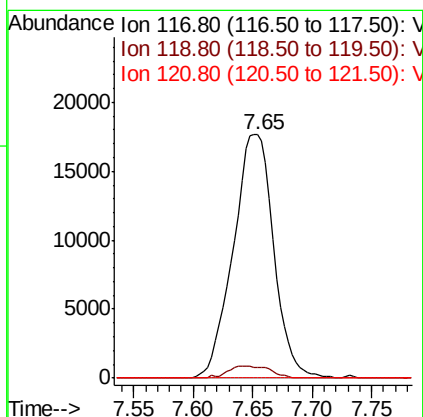
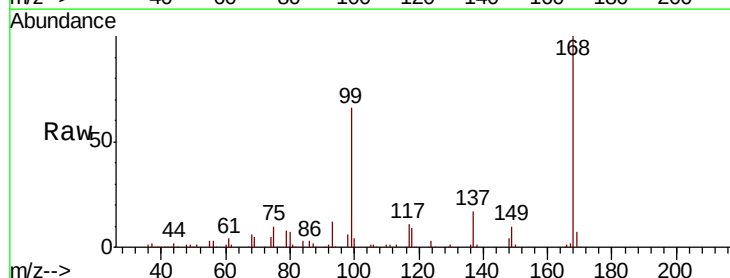
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T6-S1(0)

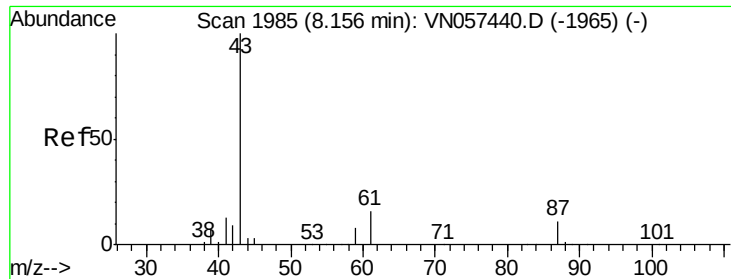
Tgt Ion: 75 Resp: 38432  
 Ion Ratio Lower Upper  
 75 100  
 110 8.3 16.1 48.3#  
 77 0.0 24.8 37.2#



#38  
 Carbon Tetrachloride  
 Concen: 6.052 ug/l  
 RT: 7.65 min Scan# 1829  
 Delta R.T. -0.10 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion: 117 Resp: 41714  
 Ion Ratio Lower Upper  
 117 100  
 119 4.3 76.2 114.4#  
 121 0.0 23.8 35.6#

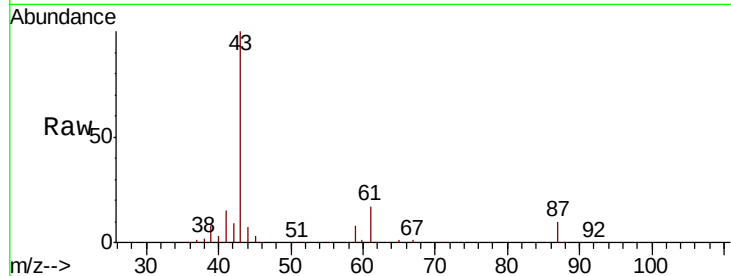




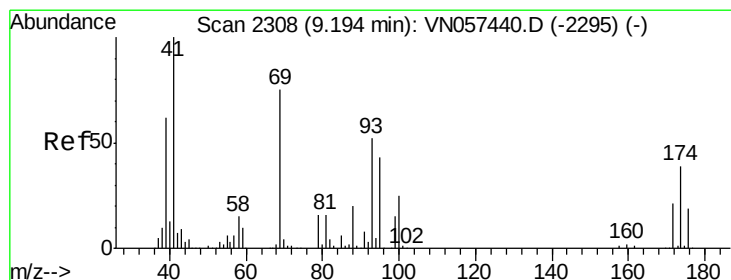
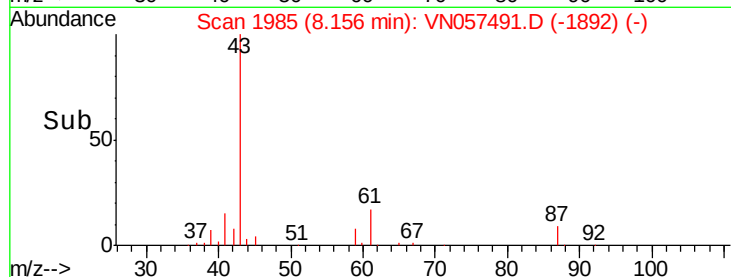
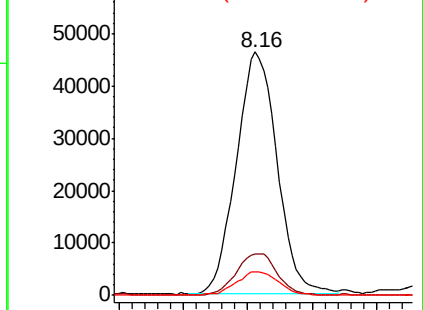
#43  
Isopropyl Acetate  
Concen: 8.065 ug/l  
RT: 8.16 min Scan# 1985  
Delta R.T. -0.00 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Instrument :  
MSVOA\_N  
ClientSampled :  
T6-S1(0)

Tgt Ion: 43 Resp: 101373  
Ion Ratio Lower Upper  
43 100  
61 17.4 14.5 21.7  
87 10.2 8.6 12.8

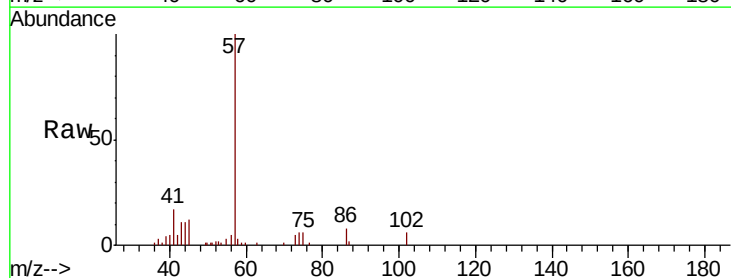


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0

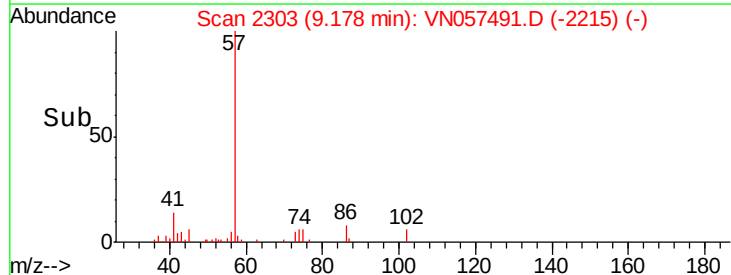
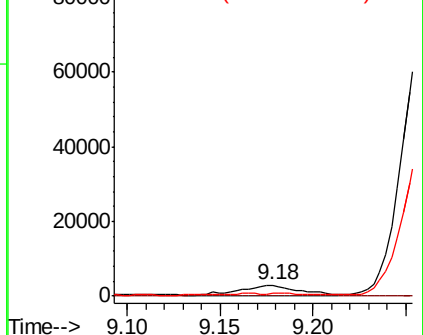


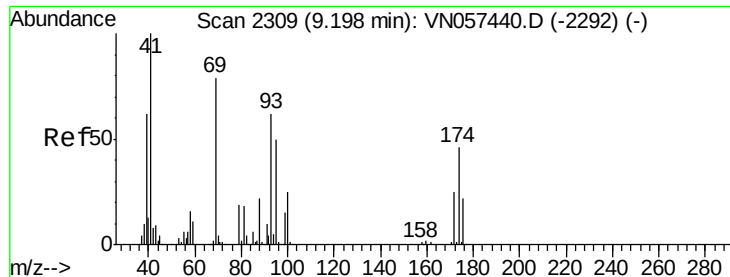
#48  
Methyl methacrylate  
Concen: 0.927 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.02 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Tgt Ion: 41 Resp: 5540  
Ion Ratio Lower Upper  
41 100  
69 0.0 59.3 88.9#  
39 0.0 50.6 75.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

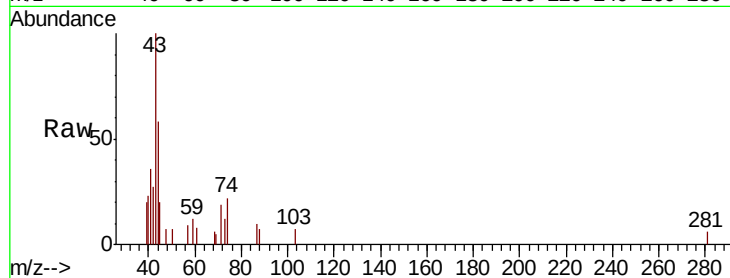




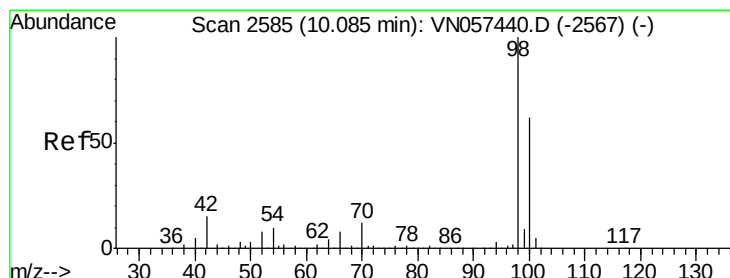
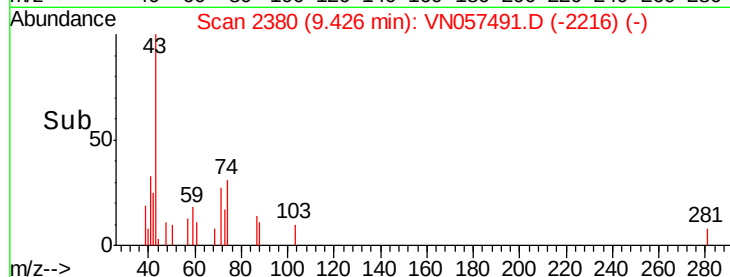
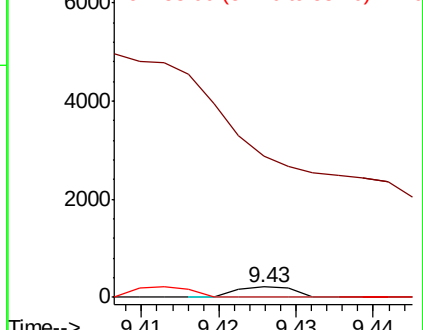
#49  
 1,4-Dioxane  
 Concen: 1.397 ug/l  
 RT: 9.43 min Scan# 2380  
 Delta R.T. 0.23 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T6-S1(0)

Tgt Ion: 88 Resp: 108  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 31.0 46.6#  
 58 0.0 64.5 96.7#

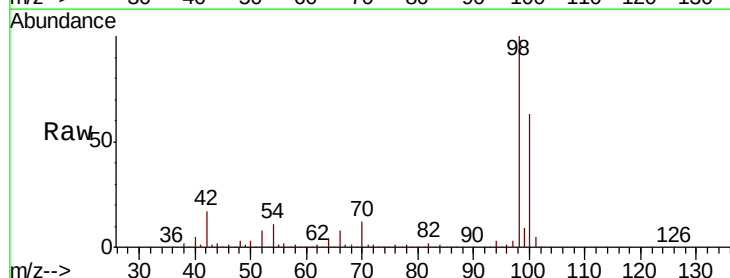


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

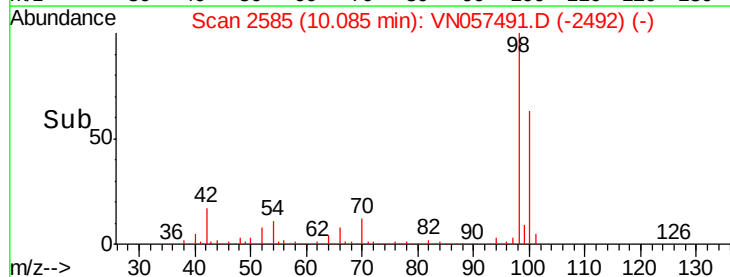
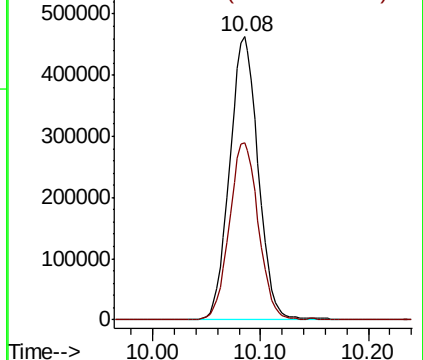


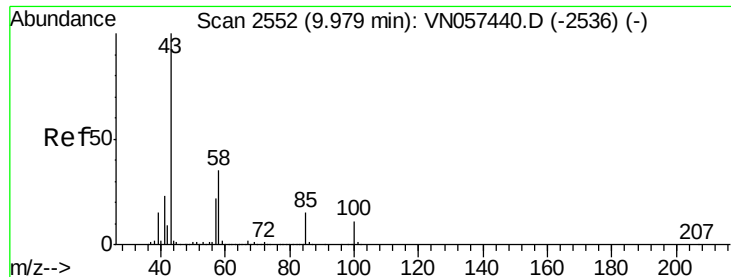
#50  
 Toluene-d8  
 Concen: 49.355 ug/l  
 RT: 10.08 min Scan# 2585  
 Delta R.T. -0.00 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion: 98 Resp: 855859  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0

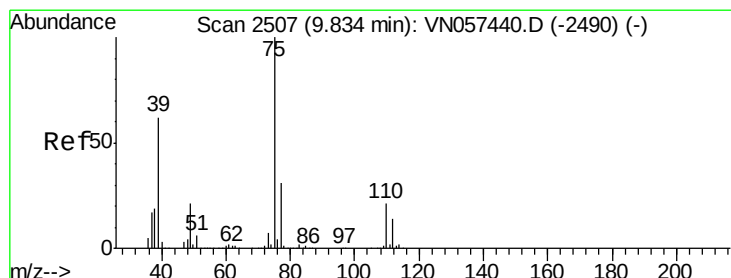
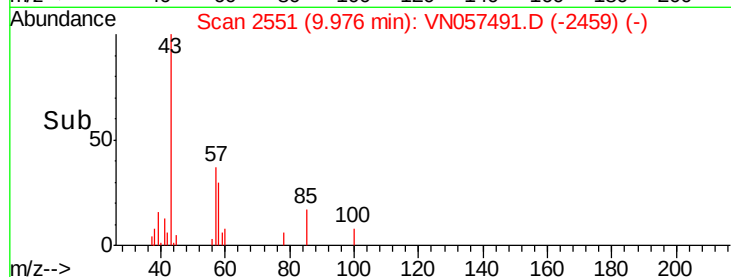
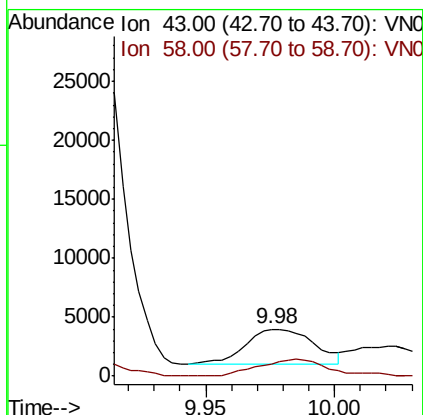
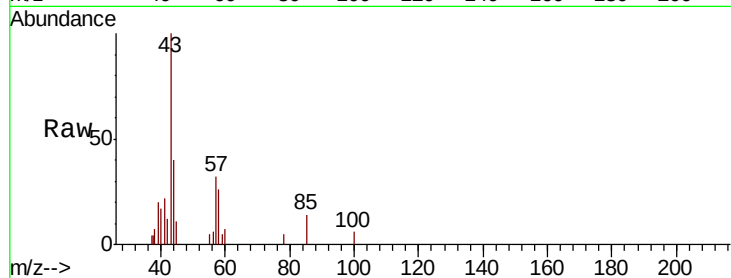




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.771 ug/l  
 RT: 9.98 min Scan# 2551  
 Delta R.T. -0.00 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

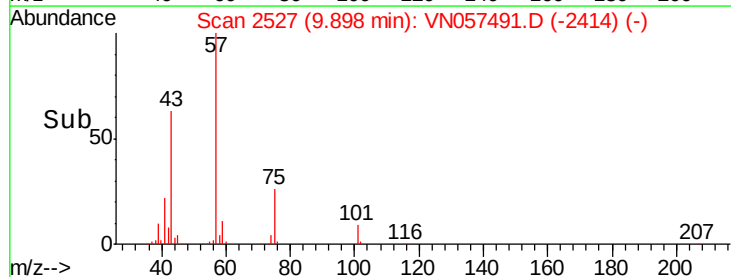
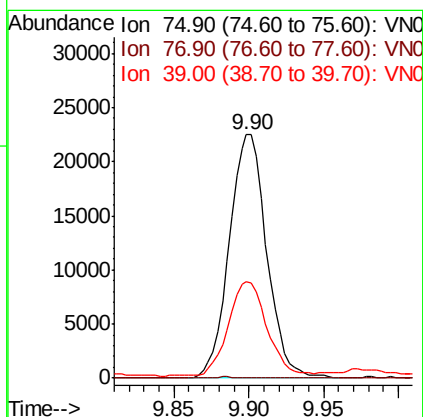
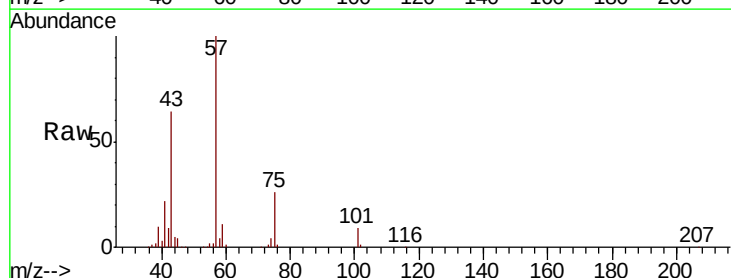
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T6-S1(0)

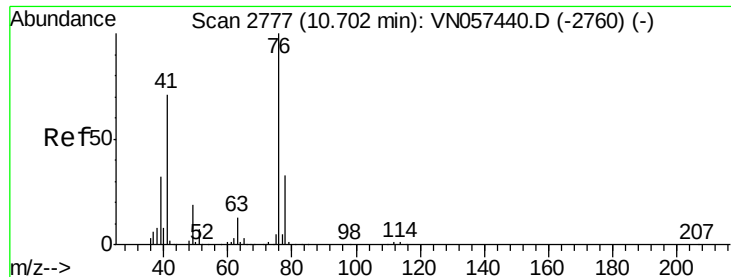
Tgt Ion: 43 Resp: 5401  
 Ion Ratio Lower Upper  
 43 100  
 58 47.5 27.9 41.9#



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.347 ug/l  
 RT: 9.90 min Scan# 2527  
 Delta R.T. 0.06 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion: 75 Resp: 39222  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.0 37.6#  
 39 38.2 49.2 73.8#





#57

1,3-Dichloropropane

Concen: 0.663 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampleId :

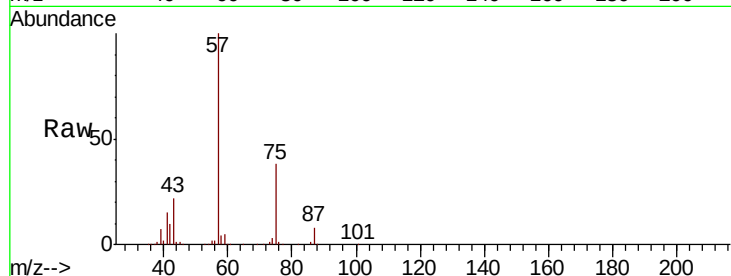
T6-S1(0)

Tgt Ion: 76 Resp: 5602

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

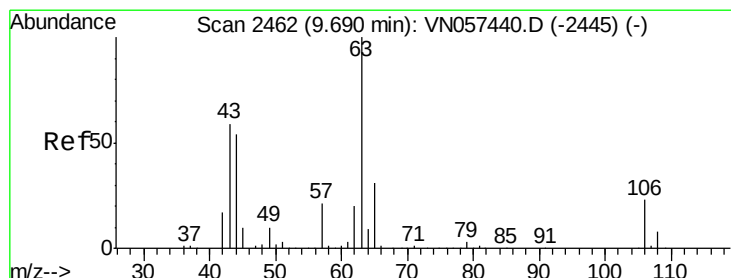
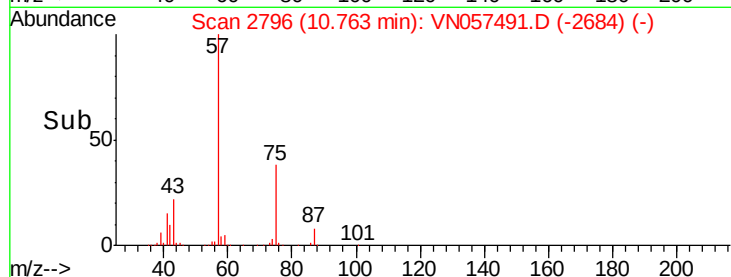
3000

2000

1000

0

Time--> 10.70 10.75 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 17.125 ug/l

RT: 9.72 min Scan# 2470

Delta R.T. 0.03 min

Lab File: VN057491.D

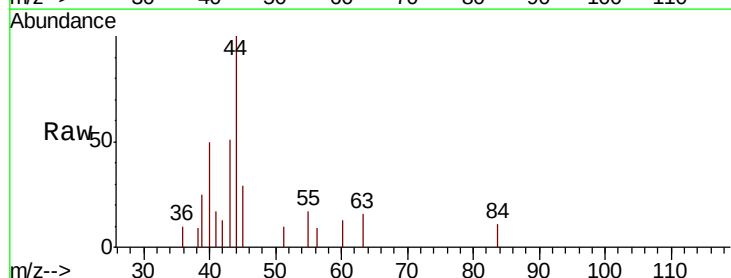
Acq: 23 Aug 2019 23:26

Tgt Ion: 63 Resp: 138

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.72

300

250

200

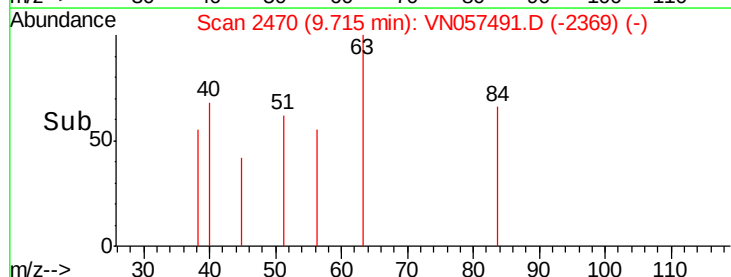
150

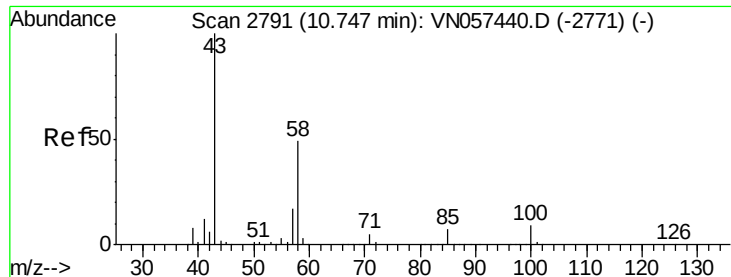
100

50

0

Time--> 9.70 9.71 9.72 9.73

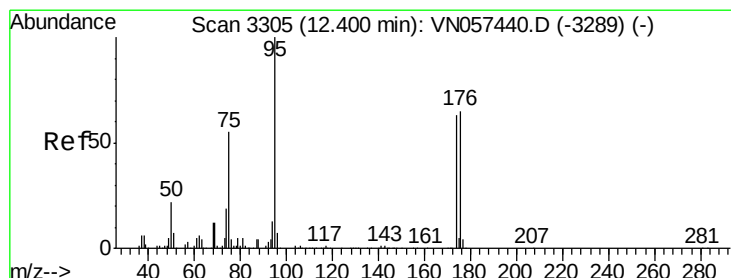
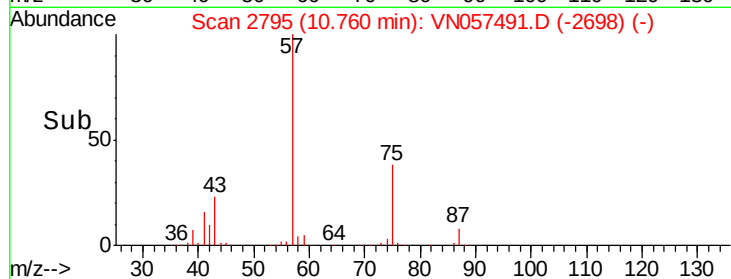
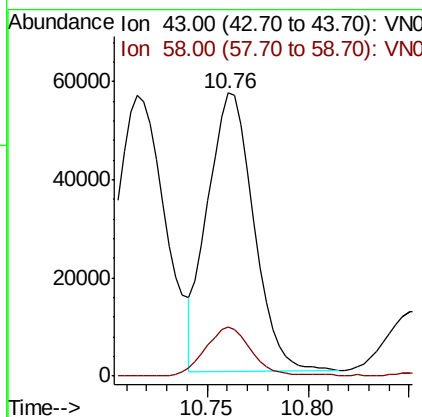
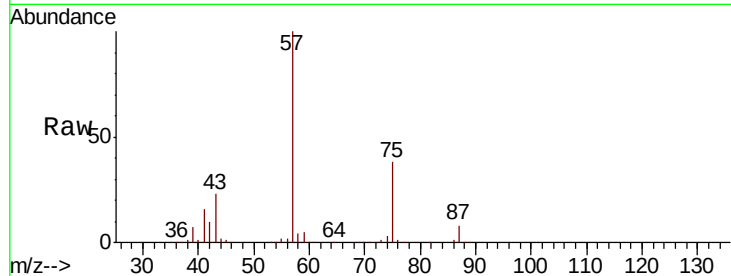




#59  
2-Hexanone  
Concen: 18.661 ug/l  
RT: 10.76 min Scan# 2795  
Delta R.T. 0.01 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

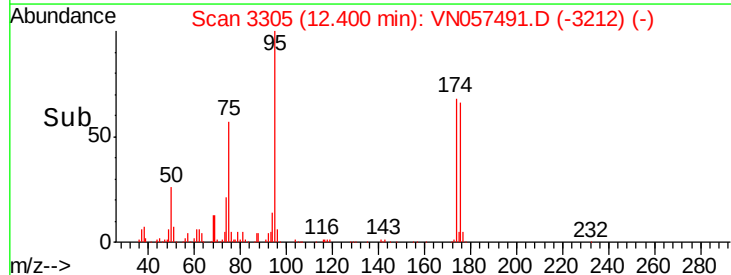
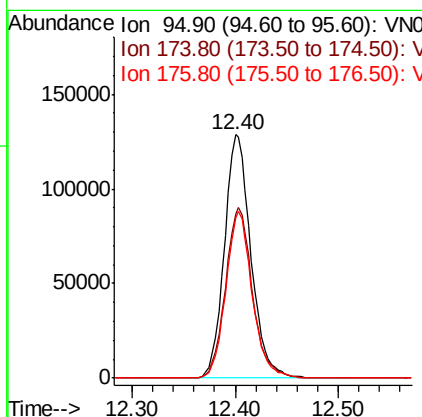
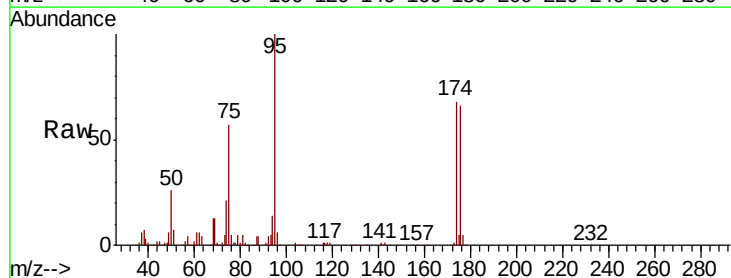
Instrument :  
MSVOA\_N  
ClientSampleId :  
T6-S1(0)

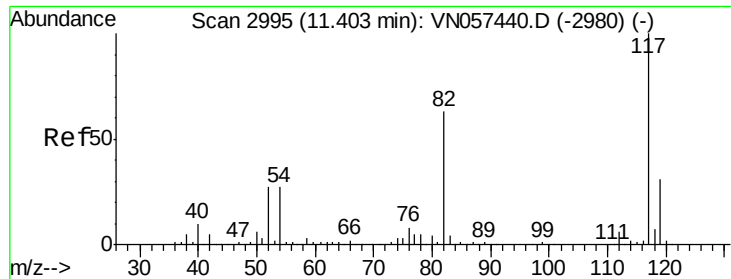
Tgt Ion: 43 Resp: 89665  
Ion Ratio Lower Upper  
43 100  
58 17.8 24.6 73.6#



#62  
4-Bromofluorobenzene  
Concen: 39.185 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Tgt Ion: 95 Resp: 230272  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 133.0  
176 67.8 0.0 130.8

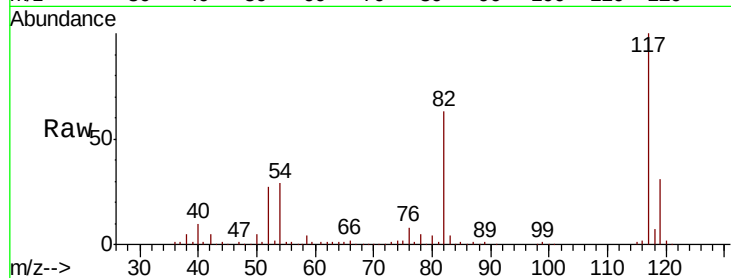




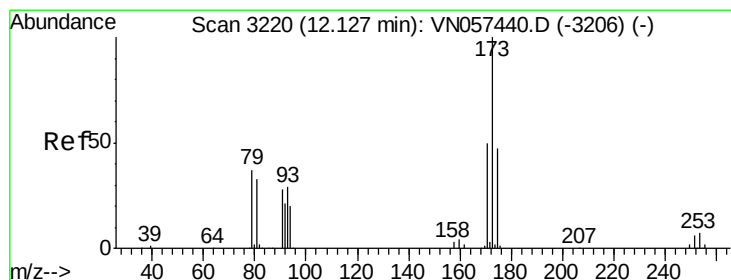
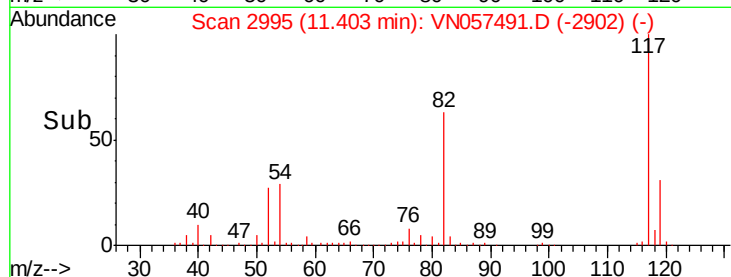
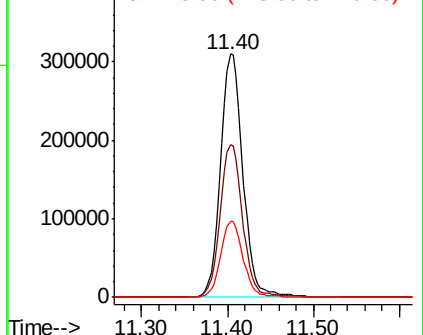
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Instrument :  
MSVOA\_N  
ClientSampled :  
T6-S1(0)

Tgt Ion:117 Resp: 560948  
Ion Ratio Lower Upper  
117 100  
82 63.0 50.6 75.8  
119 31.3 24.6 36.8

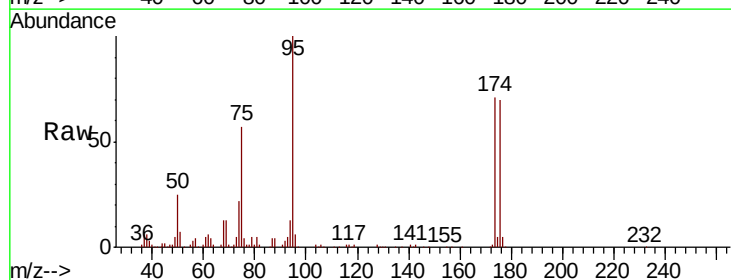


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

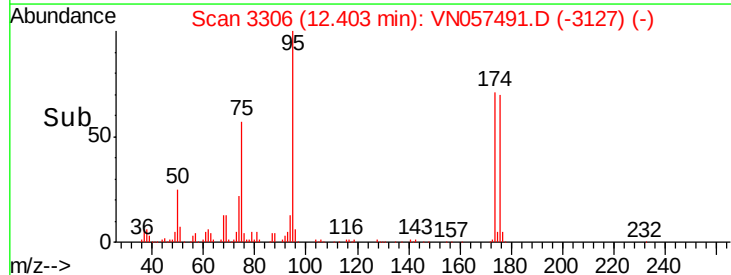
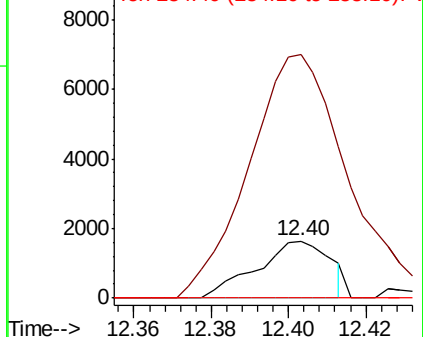


#71  
Bromoform  
Concen: 0.733 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.28 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

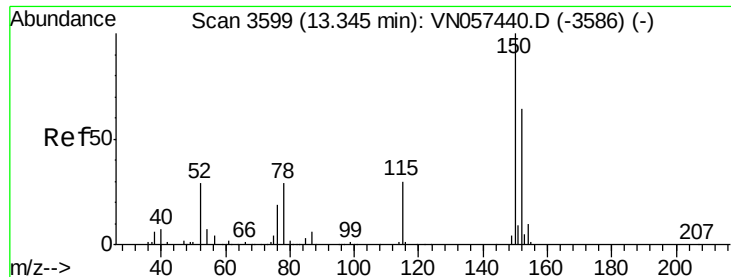
Tgt Ion:173 Resp: 2154  
Ion Ratio Lower Upper  
173 100  
175 474.7 23.9 71.8#  
254 0.0 0.1 0.1#



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: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampleId :

T6-S1(0)

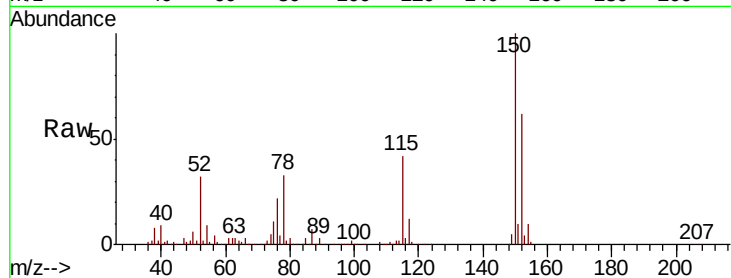
Tgt Ion:152 Resp: 136419

Ion Ratio Lower Upper

152 100

115 66.4 32.0 96.0

150 160.5 0.0 346.6

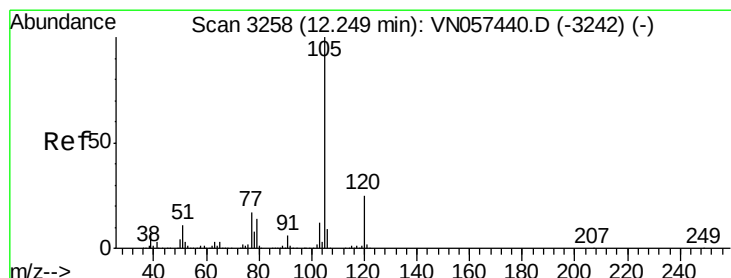
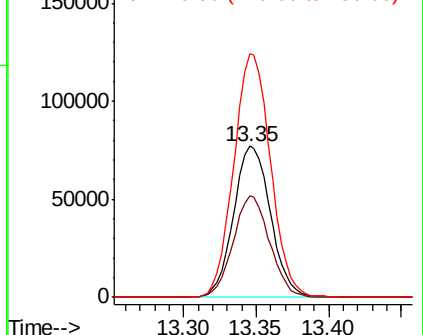
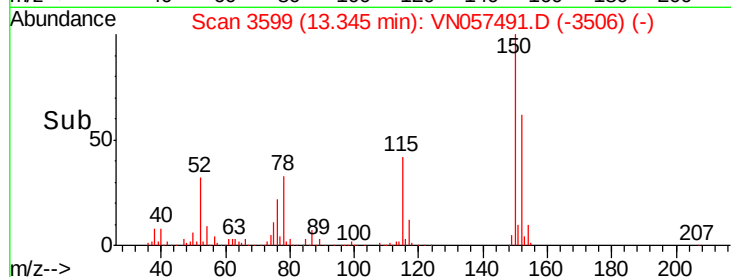


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN057491.D

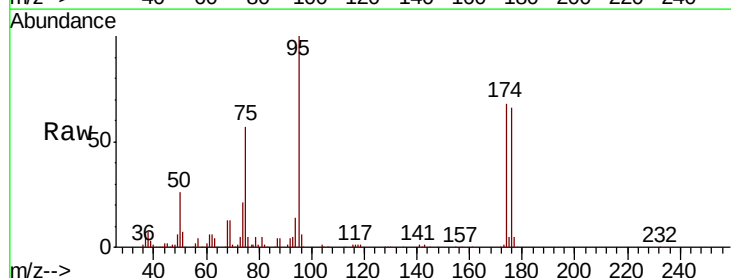
Acq: 23 Aug 2019 23:26

Tgt Ion:105 Resp: 304

Ion Ratio Lower Upper

105 100

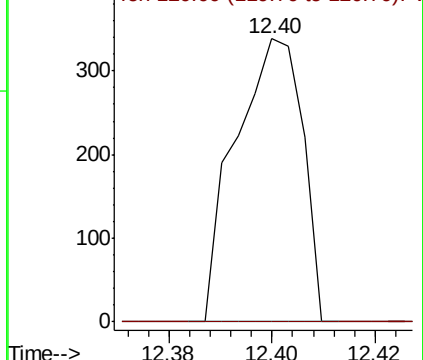
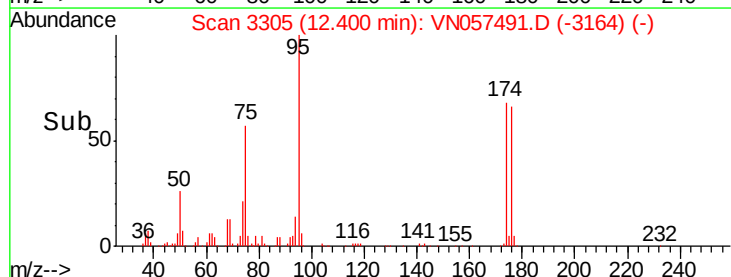
120 0.0 12.7 38.0#

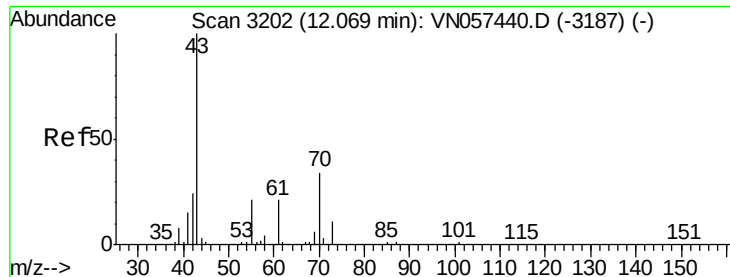


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: Below Cal

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampleId :

T6-S1(0)

Tgt Ion: 43 Resp: 1363

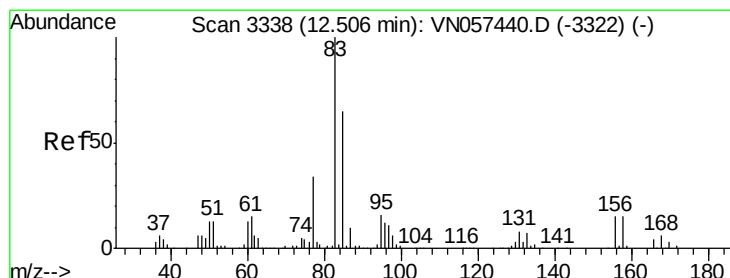
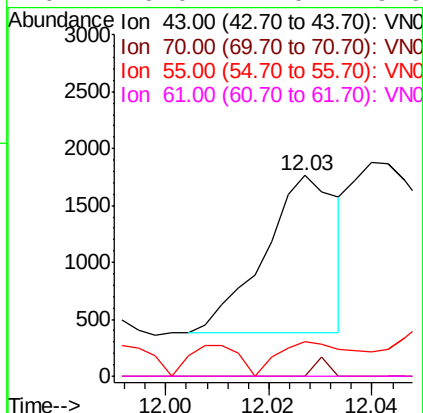
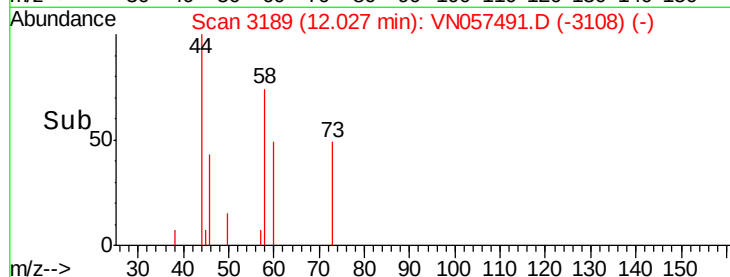
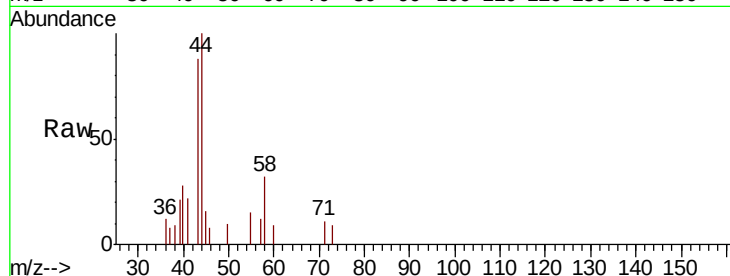
Ion Ratio Lower Upper

43 100

70 2.4 27.8 41.6#

55 23.6 17.0 25.4

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.46 min Scan# 3325

Delta R.T. -0.04 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

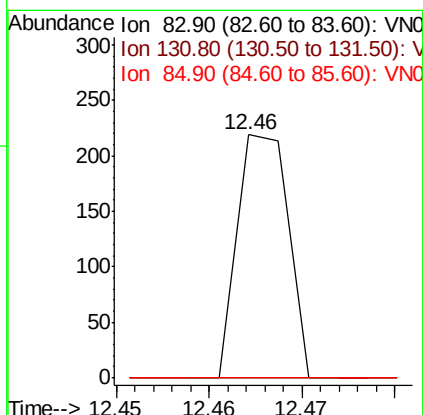
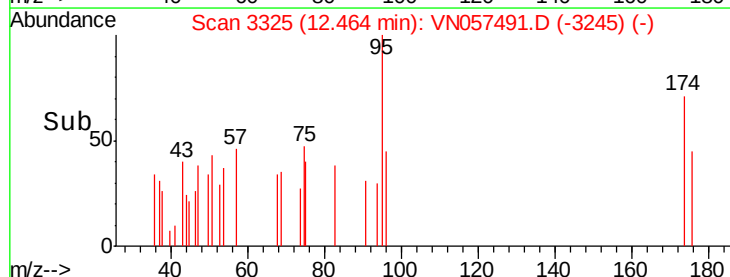
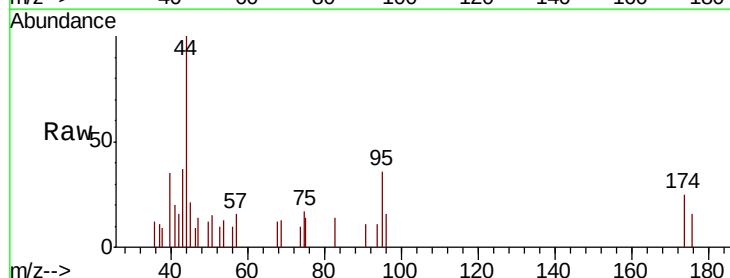
Tgt Ion: 83 Resp: 83

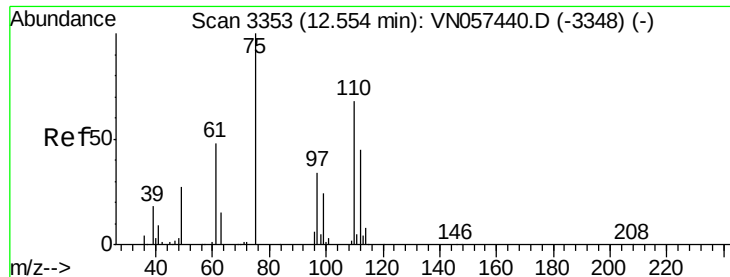
Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 0.0 32.3 96.8#

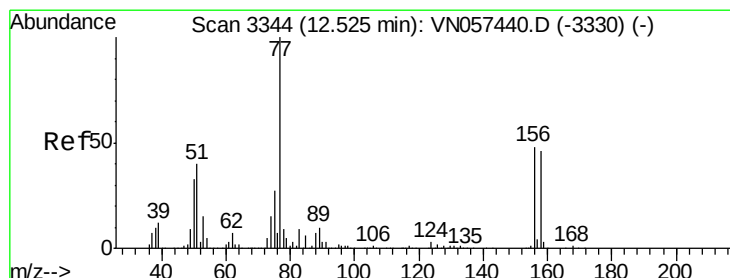
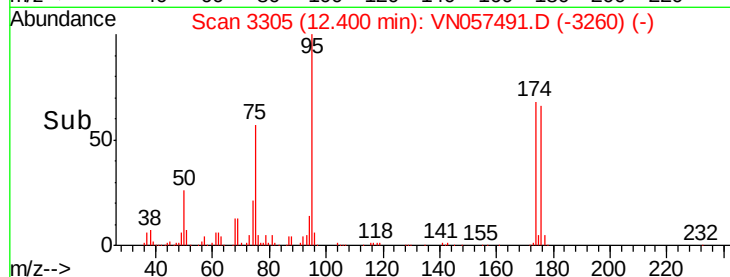
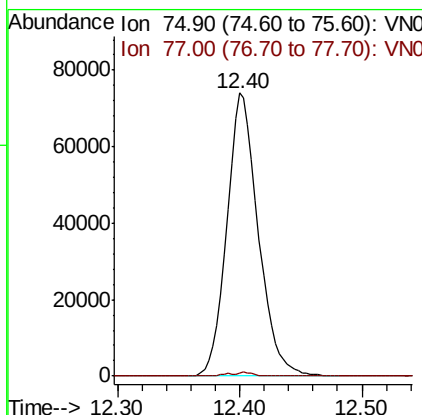
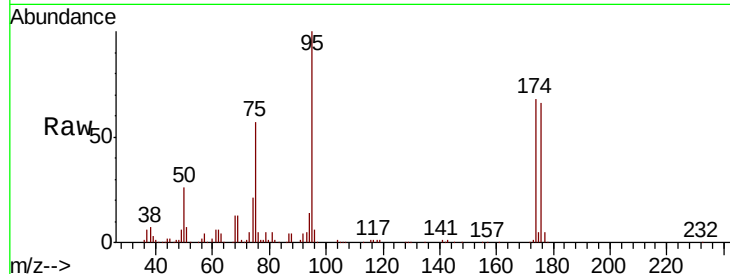




#76  
 1,2,3-Trichloropropane  
 Concen: 43.497 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.15 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

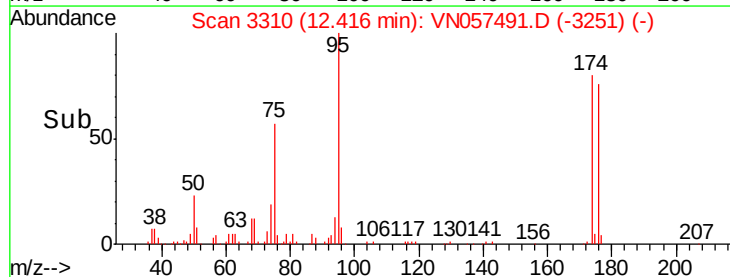
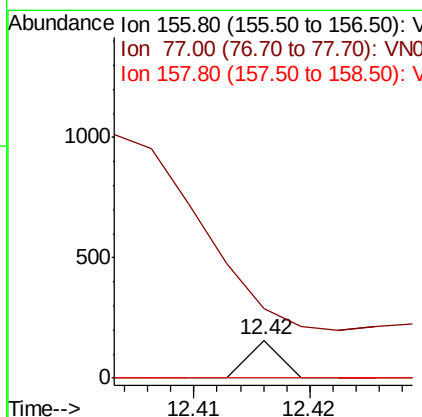
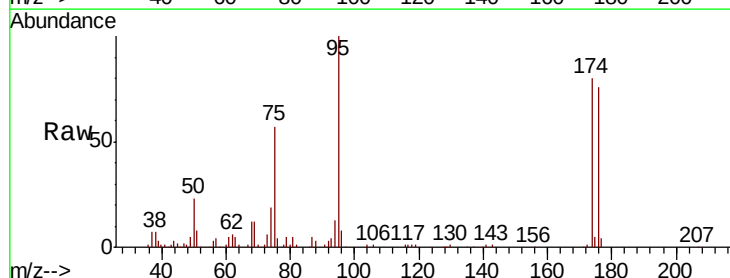
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T6-S1(0)

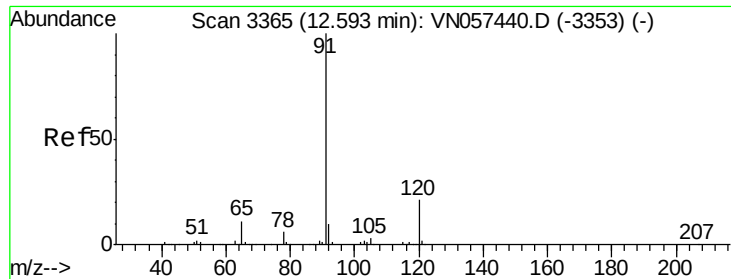
Tgt Ion: 75 Resp: 132808  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 0.0 0.0#



#77  
 Bromobenzene  
 Concen: Below Cal  
 RT: 12.42 min Scan# 3310  
 Delta R.T. -0.11 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion: 156 Resp: 30  
 Ion Ratio Lower Upper  
 156 100  
 77 2510.0 124.4 373.3#  
 158 0.0 48.3 144.8#

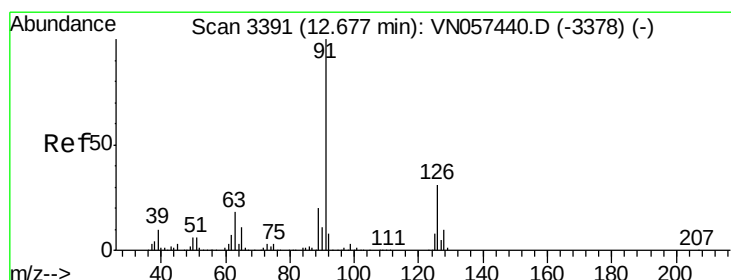
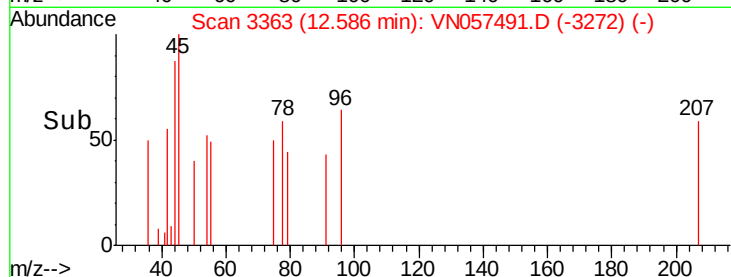
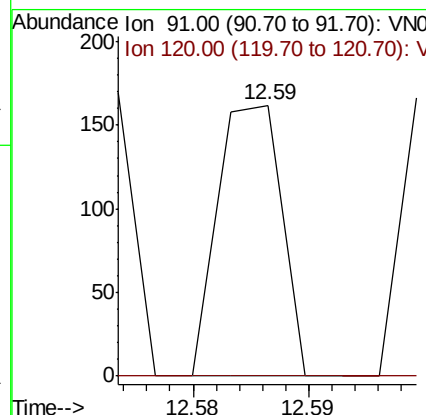
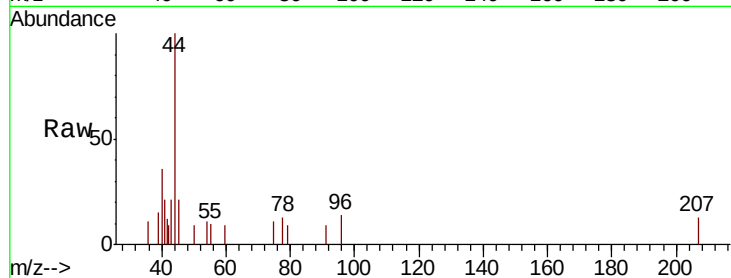




#78  
n-propylbenzene  
Concen: Below Cal  
RT: 12.59 min Scan# 3363  
Delta R.T. -0.01 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

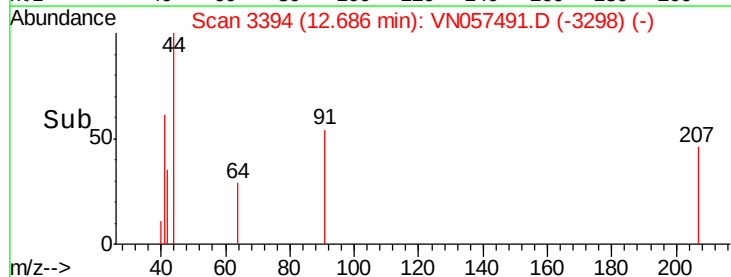
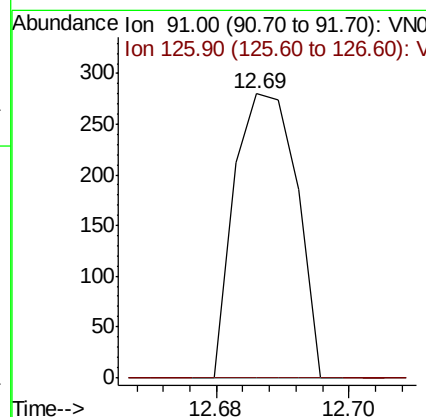
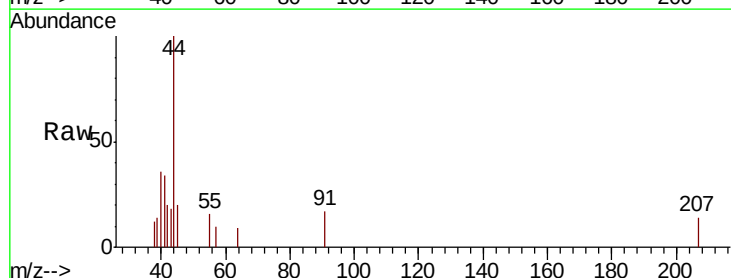
Instrument :  
MSVOA\_N  
ClientSampled :  
T6-S1(0)

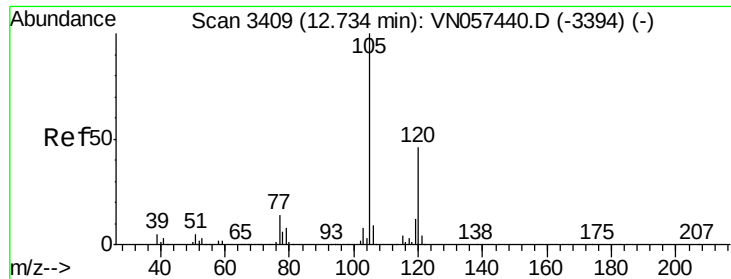
Tgt Ion: 91 Resp: 62  
Ion Ratio Lower Upper  
91 100  
120 0.0 10.7 32.1#



#79  
2-Chlorotoluene  
Concen: Below Cal  
RT: 12.69 min Scan# 3394  
Delta R.T. 0.01 min  
Lab File: VN057491.D  
Acq: 23 Aug 2019 23:26

Tgt Ion: 91 Resp: 184  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.3 45.8#

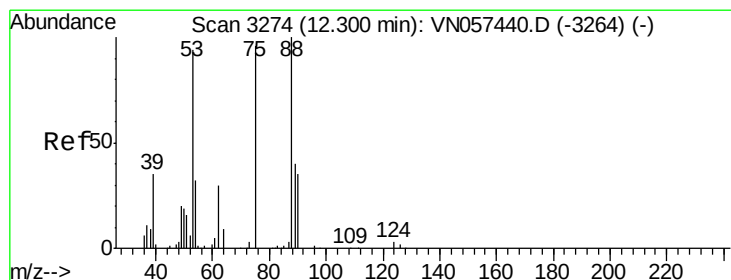
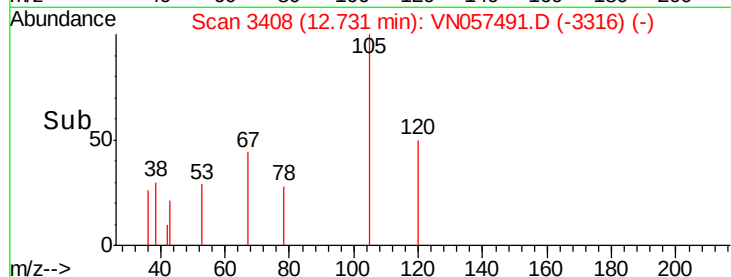
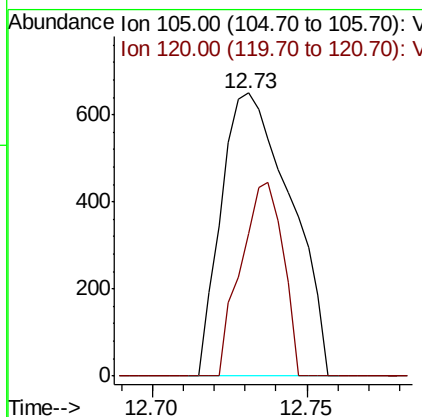
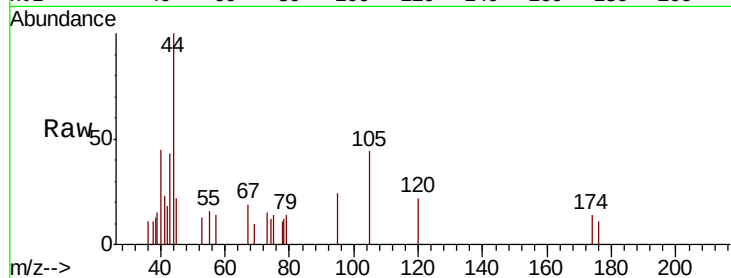




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3408  
 Delta R.T. -0.00 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

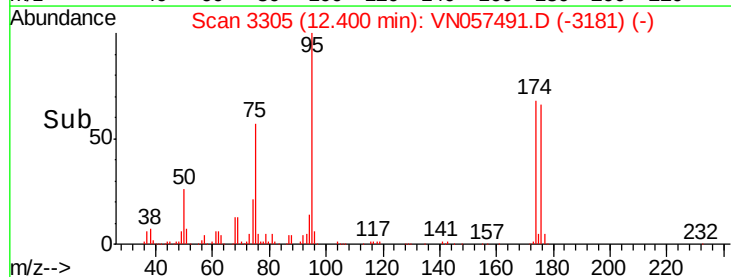
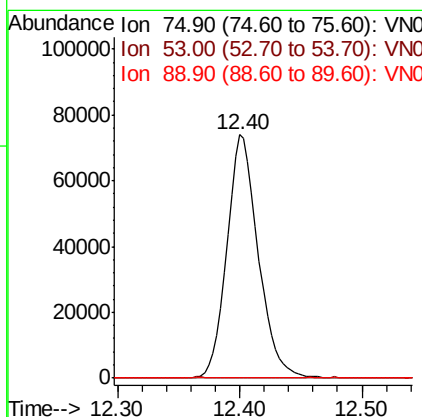
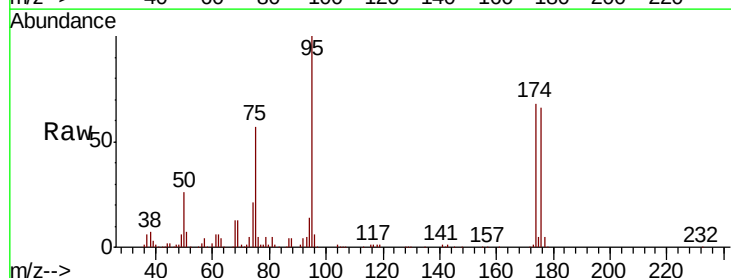
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T6-S1(0)

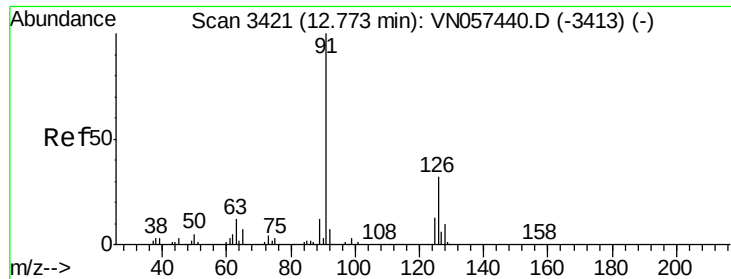
Tgt Ion: 105 Resp: 1014  
 Ion Ratio Lower Upper  
 105 100  
 120 41.3 23.3 69.8



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 111.715 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN057491.D  
 Acq: 23 Aug 2019 23:26

Tgt Ion: 75 Resp: 132808  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 82.7 124.1#  
 89 0.0 35.8 53.8#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.76 min Scan# 3417

Delta R.T. -0.01 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampleId :

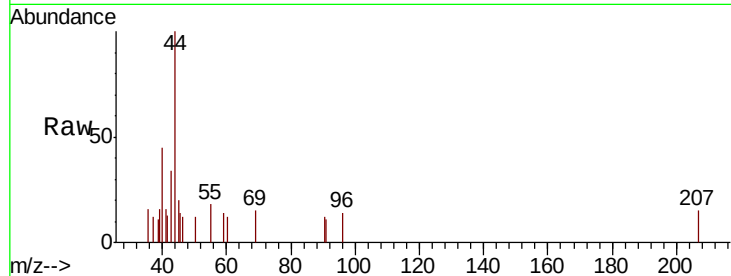
T6-S1(0)

Tgt Ion: 91 Resp: 129

Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.0#

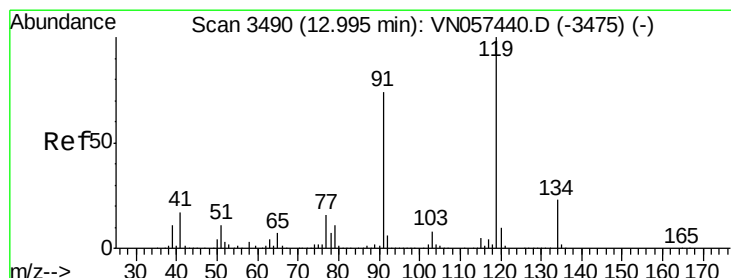
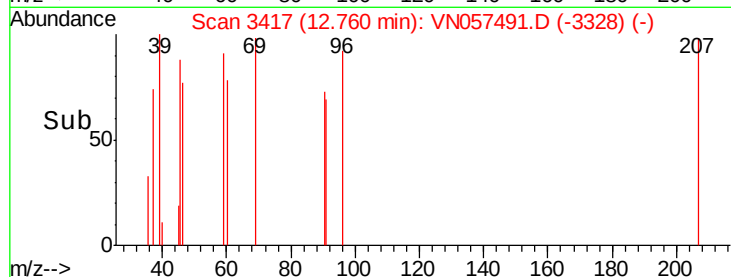


Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057440.D (-3413) (-)

12.76

Time-->



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.26 min Scan# 3573

Delta R.T. 0.27 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

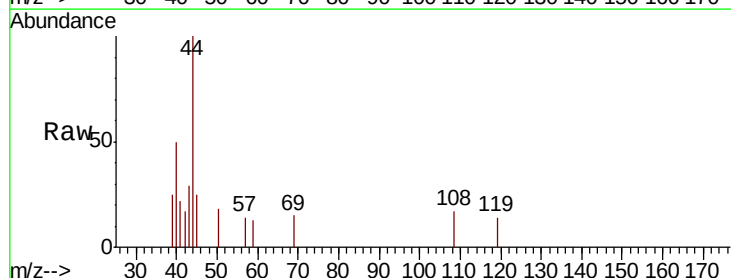
Tgt Ion: 119 Resp: 70

Ion Ratio Lower Upper

119 100

91 0.0 37.0 111.0#

134 0.0 12.2 36.6#



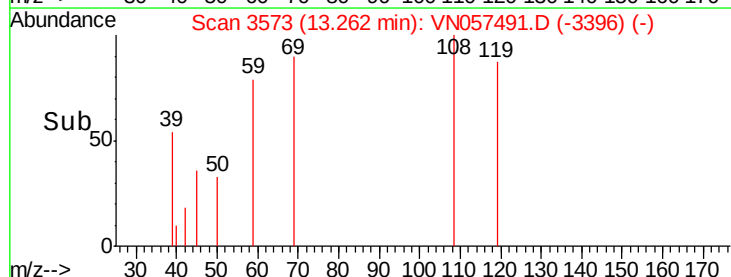
Abundance Ion 119.00 (118.70 to 119.70): VN057440.D (-3475) (-)

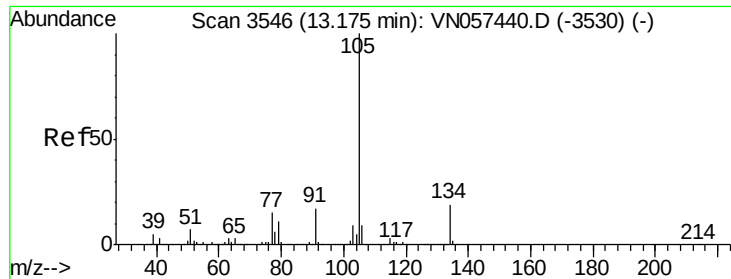
Ion 91.00 (90.70 to 91.70): VN057440.D (-3475) (-)

Ion 134.00 (133.70 to 134.70): VN057440.D (-3475) (-)

13.26

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.18 min Scan# 3548

Delta R.T. 0.01 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

Instrument :

MSVOA\_N

ClientSampleId :

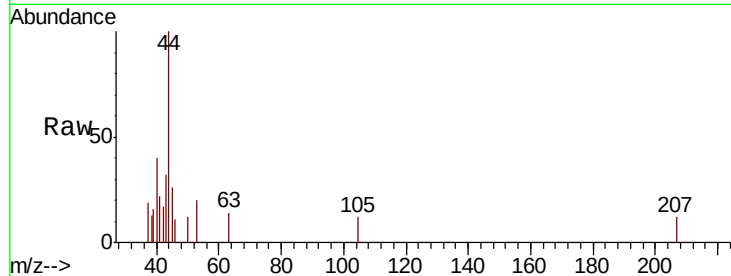
T6-S1(0)

Tgt Ion:105 Resp: 69

Ion Ratio Lower Upper

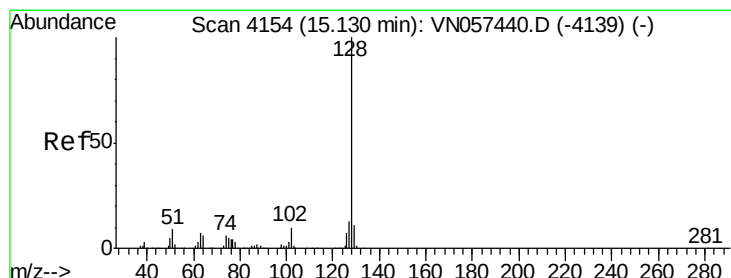
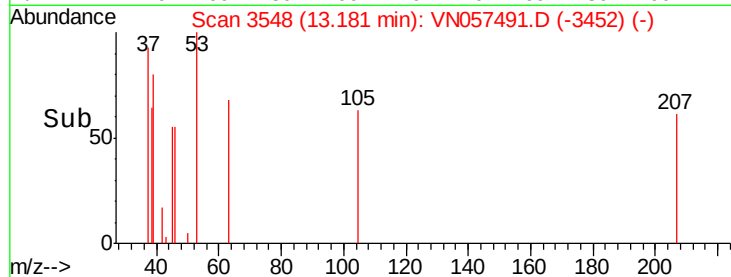
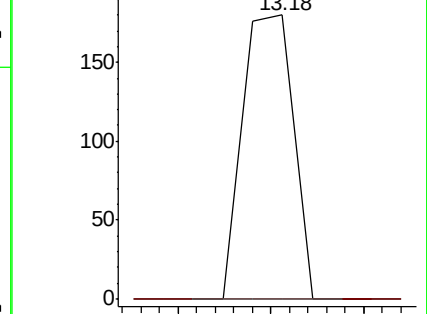
105 100

134 0.0 9.3 27.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 4.429 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057491.D

Acq: 23 Aug 2019 23:26

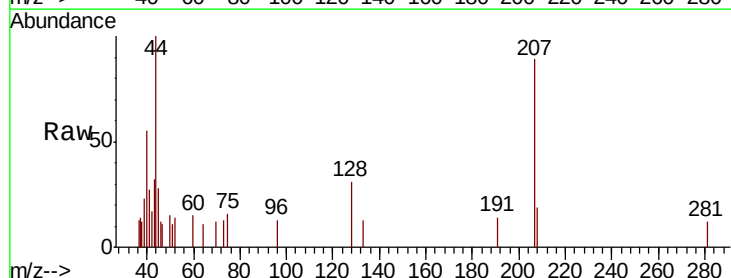
Tgt Ion:128 Resp: 532

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

