

Data File : VN057399.D  
Acq On : 19 Aug 2019 14:43  
Operator : JC/SP  
Sample : K4339-20  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T8-A3-(4)

Quant Time: Aug 20 07:12:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1061603  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1484180  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 1263134  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 330506   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 489957   | 42.45 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.90% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 449497   | 46.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.40% |      |
| 50) Toluene-d8              | 10.08  | 98  | 1728444  | 48.57 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.14% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 463843   | 36.89 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 73.78% |      |

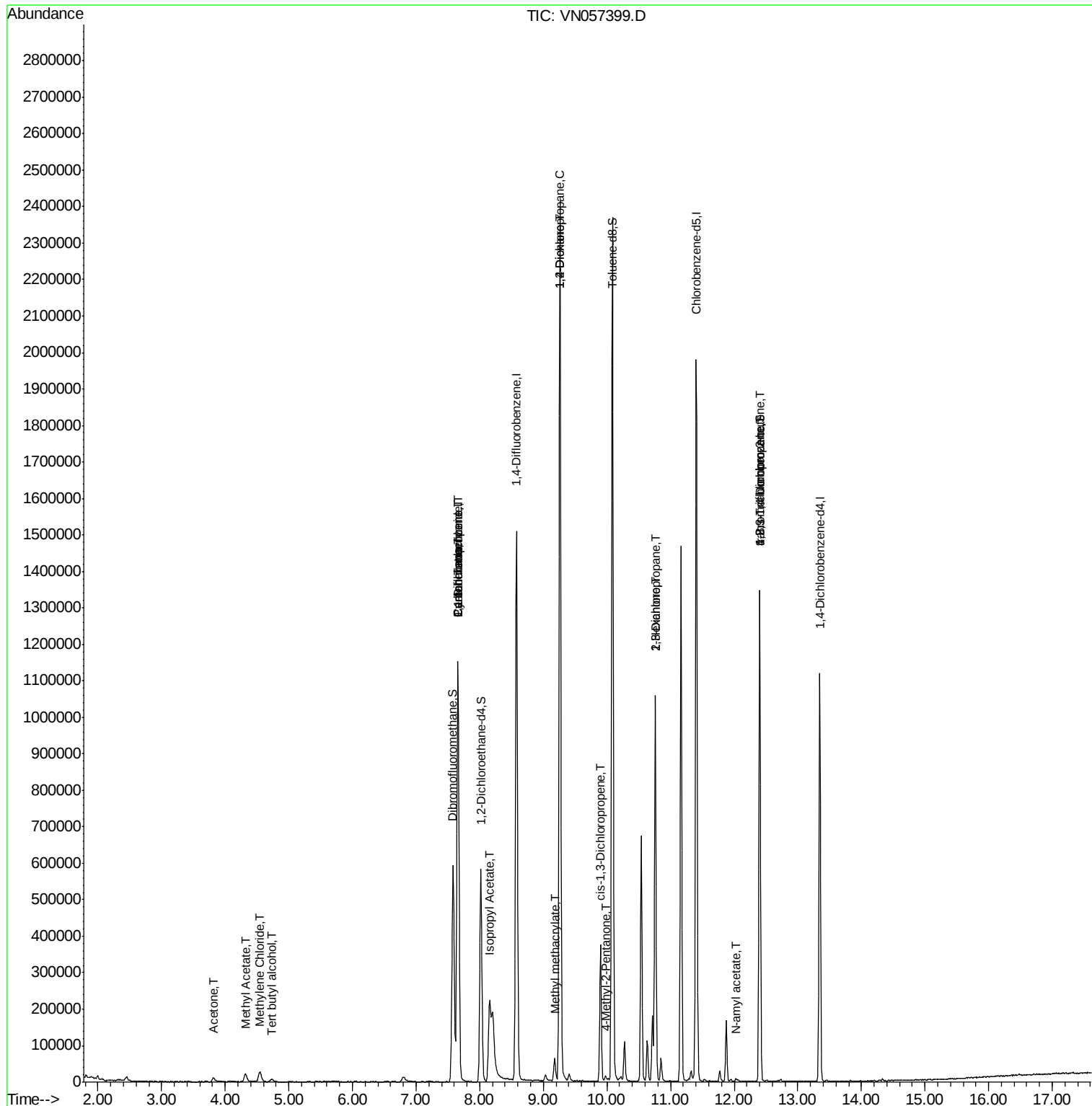
|                                |       |     |        |           |        |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| Target Compounds               |       |     |        | Qvalue    |        |     |
| 11) Tert butyl alcohol         | 4.73  | 59  | 3116   | 1.899     | ug/l # | 73  |
| 16) Acetone                    | 3.81  | 43  | 17047  | 4.258     | ug/l   | 100 |
| 18) Methyl Acetate             | 4.32  | 43  | 44541  | 1.833     | ug/l   | 98  |
| 20) Methylene Chloride         | 4.54  | 84  | 24051  | 2.147     | ug/l   | 91  |
| 31) Cyclohexane                | 7.66  | 56  | 15055  | 0.957     | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.66  | 75  | 61800  | 4.716     | ug/l # | 43  |
| 38) Carbon Tetrachloride       | 7.65  | 117 | 88305  | 6.486     | ug/l # | 16  |
| 43) Isopropyl Acetate          | 8.16  | 43  | 264466 | 12.631    | ug/l # | 80  |
| 45) 1,2-Dichloropropane        | 9.26  | 63  | 2620   | 0.254     | ug/l # | 44  |
| 48) Methyl methacrylate        | 9.17  | 41  | 7764   | 0.878     | ug/l # | 11  |
| 49) 1,4-Dioxane                | 9.26  | 88  | 665    | 3.578     | ug/l # | 1   |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43  | 9100   | 0.822     | ug/l   | 100 |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 75415  | 4.630     | ug/l # | 60  |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 11543  | 0.704     | ug/l # | 43  |
| 59) 2-Hexanone                 | 10.76 | 43  | 142649 | 17.920    | ug/l # | 52  |
| 73) Isopropylbenzene           | 12.26 | 105 | 32     | Below Cal | #      | 49  |
| 74) N-amyl acetate             | 12.03 | 43  | 3890   | 0.406     | ug/l # | 42  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.41 | 83  | 117    | Below Cal | #      | 26  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 212695 | 32.012    | ug/l # | 100 |
| 77) Bromobenzene               | 12.52 | 156 | 102    | Below Cal | #      | 1   |
| 79) 2-Chlorotoluene            | 12.68 | 91  | 205    | Below Cal | #      | 39  |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105 | 1364   | Below Cal |        | 90  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 212695 | 78.472    | ug/l # | 15  |
| 83) tert-Butylbenzene          | 12.73 | 119 | 102    | Below Cal | #      | 78  |
| 85) sec-Butylbenzene           | 13.17 | 105 | 202    | Below Cal | #      | 55  |
| 95) Naphthalene                | 15.14 | 128 | 380    | Below Cal | #      | 69  |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180 | 158    | Below Cal | #      | 12  |

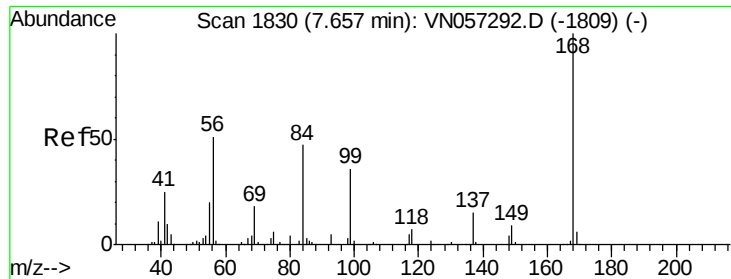
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057399.D  
Acq On : 19 Aug 2019 14:43  
Operator : JC/SP  
Sample : K4339-20  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T8-A3-(4)

Quant Time: Aug 20 07:12:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

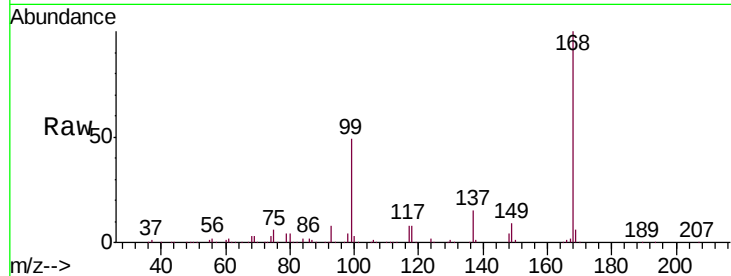
T8-A3-(4)

Tgt Ion:168 Resp: 1061603

Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

400000

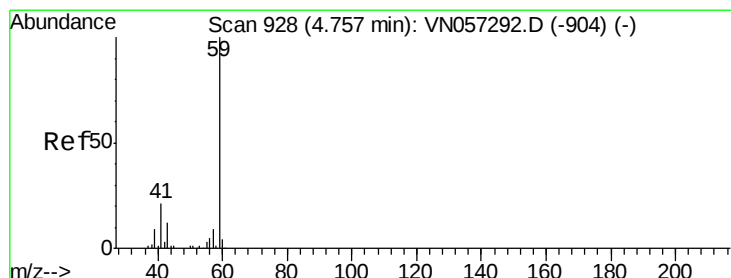
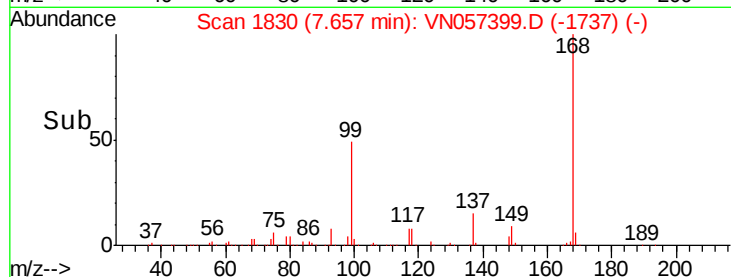
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.899 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.03 min

Lab File: VN057399.D

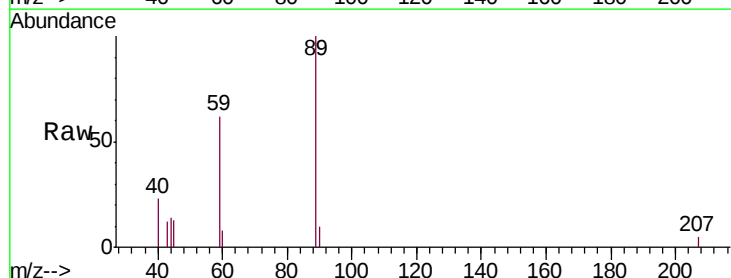
Acq: 19 Aug 2019 14:43

Tgt Ion: 59 Resp: 3116

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN057292.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN057292.D (-904) (-)

4.73

2000

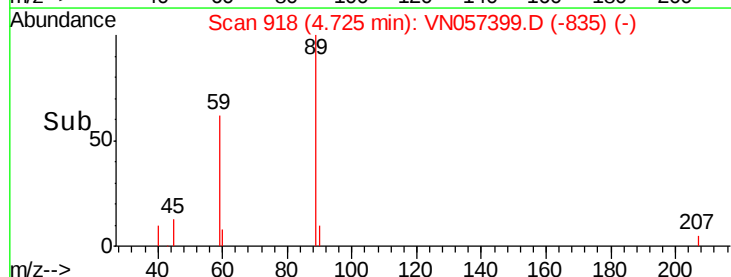
1500

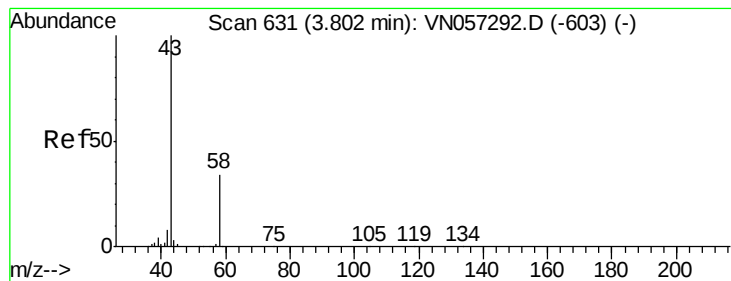
1000

500

0

Time-->





#16

Acetone

Concen: 4.258 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

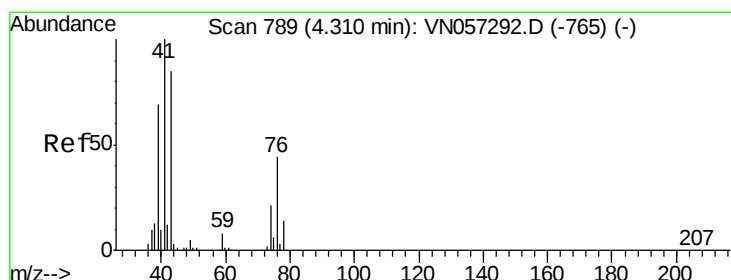
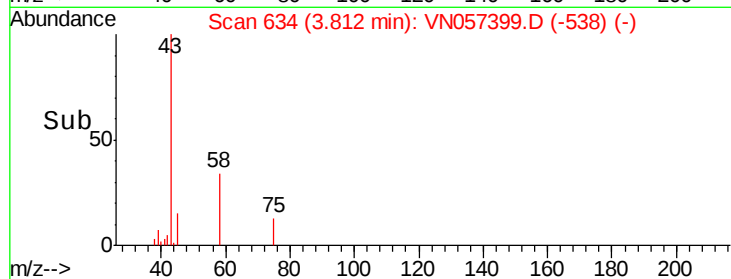
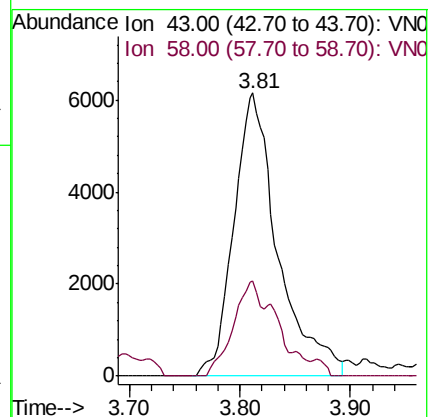
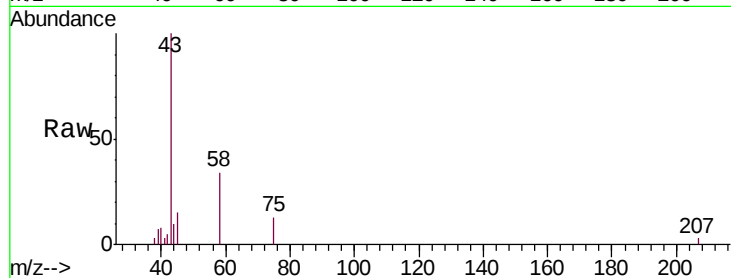
T8-A3-(4)

Tgt Ion: 43 Resp: 17047

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.6



#18

Methyl Acetate

Concen: 1.833 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057399.D

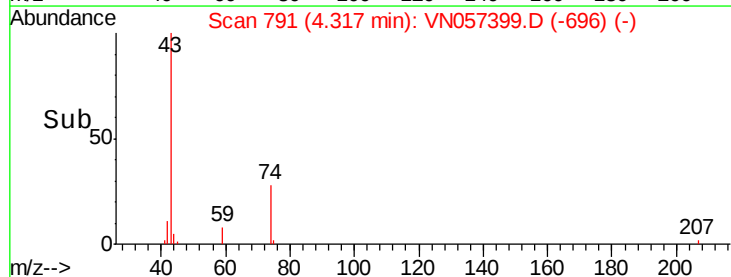
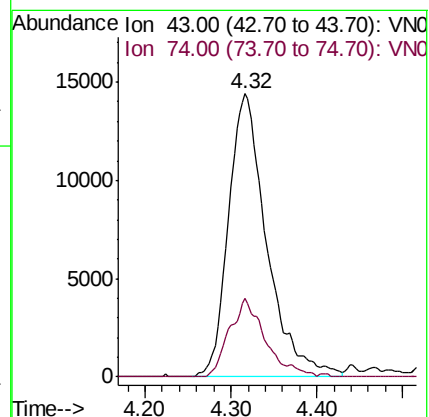
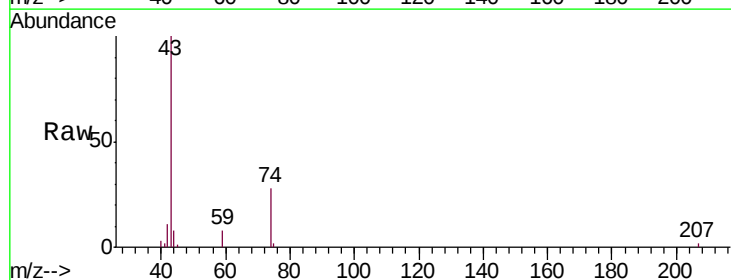
Acq: 19 Aug 2019 14:43

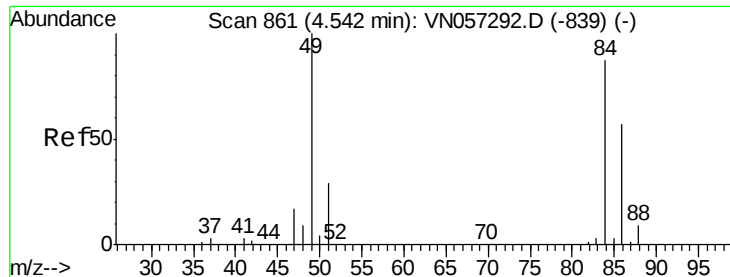
Tgt Ion: 43 Resp: 44541

Ion Ratio Lower Upper

43 100

74 26.1 20.2 30.2

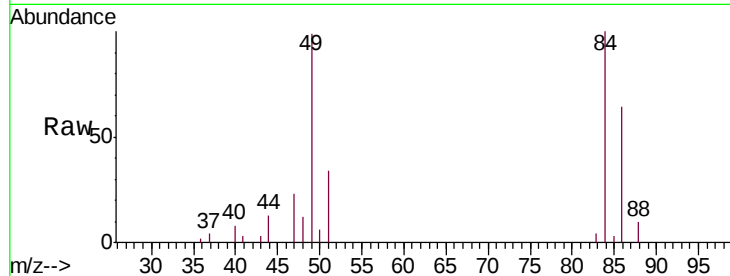




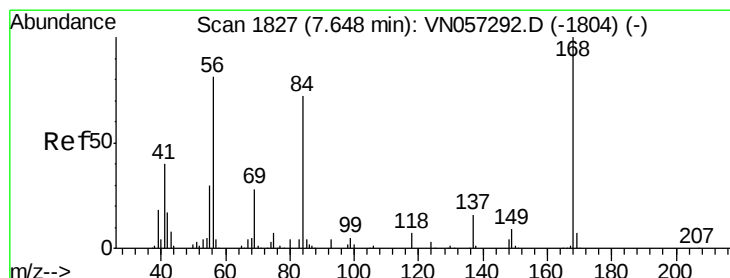
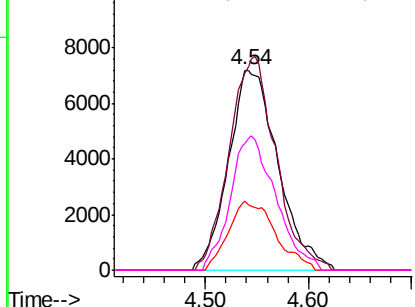
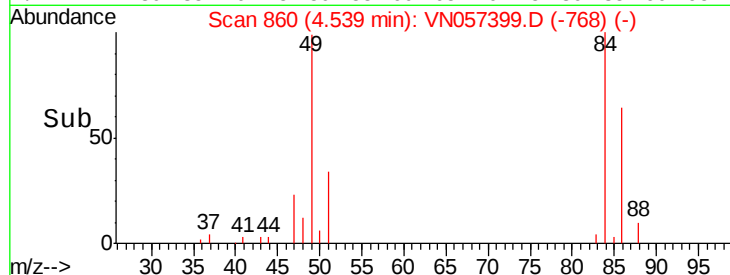
#20  
Methylene Chloride  
Concen: 2.147 ug/l  
RT: 4.54 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

Instrument :  
MSVOA\_N  
ClientSampled :  
T8-A3-(4)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 24051 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 98.7  | 92.0  | 138.0 |
| 51       | 34.4  | 27.1  | 40.7  |
| 86       | 63.7  | 52.2  | 78.2  |

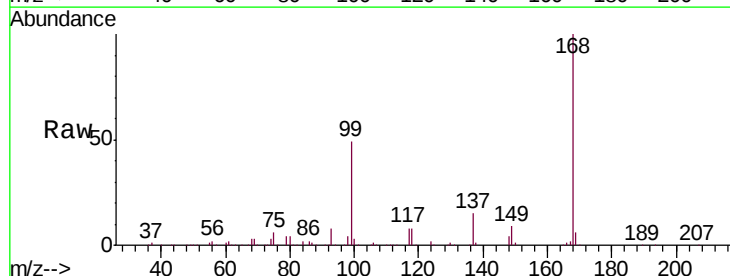


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

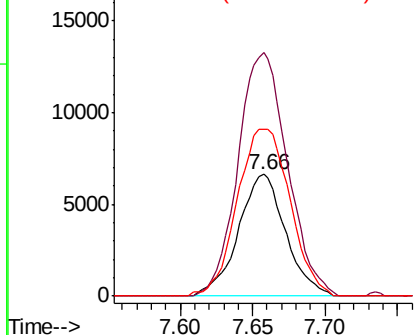
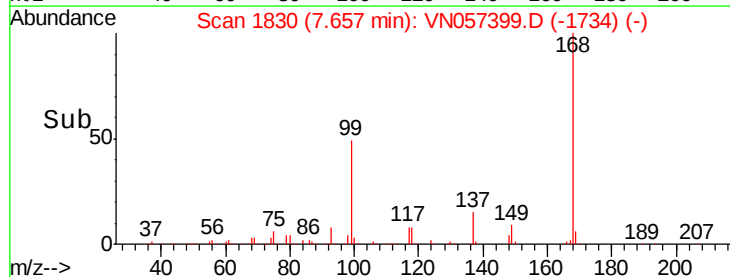


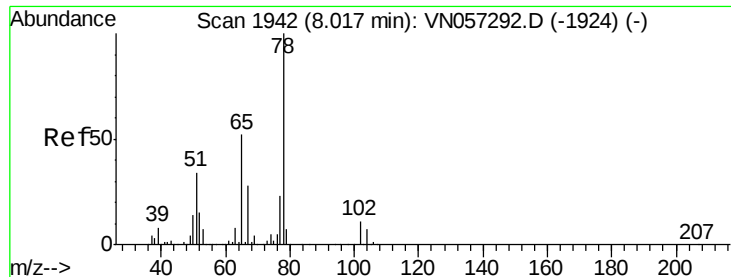
#31  
Cyclohexane  
Concen: 0.957 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.01 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 15055  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 199.8 | 27.3  | 40.9#  |
| 84       | 137.0 | 71.0  | 106.6# |



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

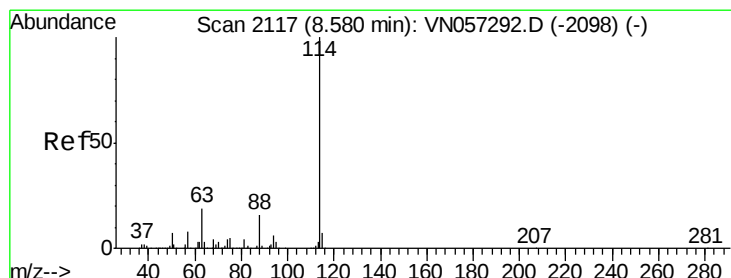
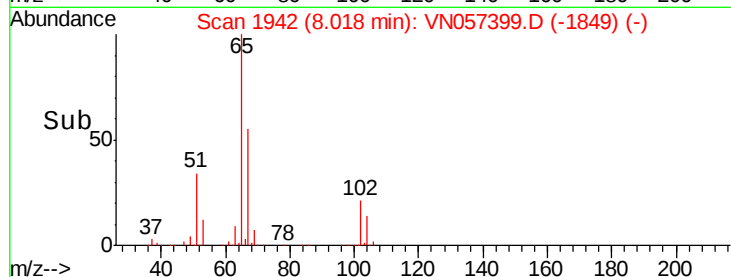
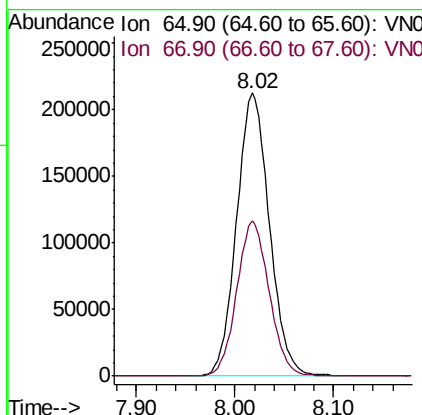
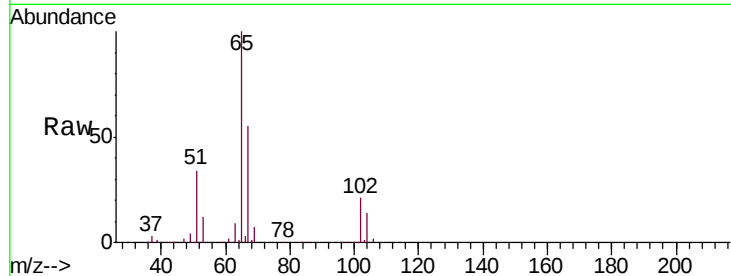




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.454 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

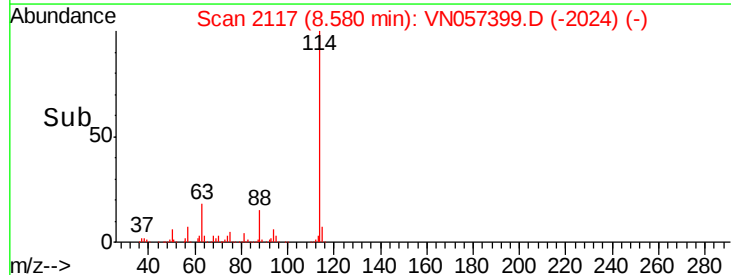
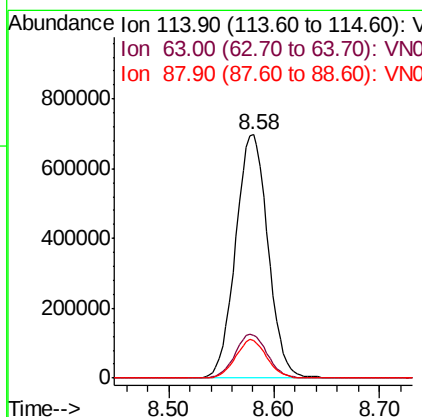
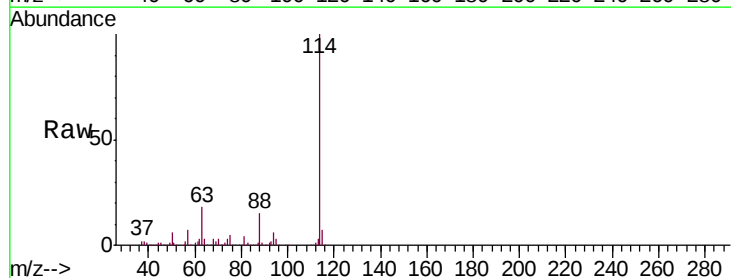
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T8-A3-(4)

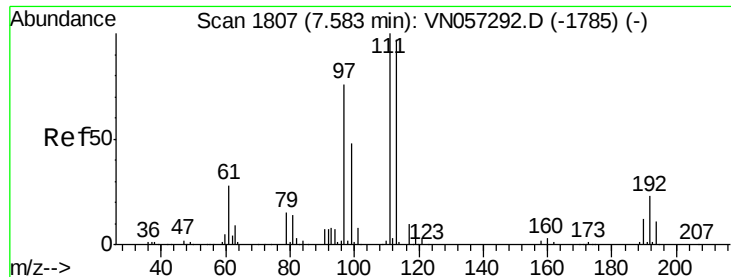
Tgt Ion: 65 Resp: 489957  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. 0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Tgt Ion: 114 Resp: 1484180  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 38.8  
 88 15.4 0.0 31.4

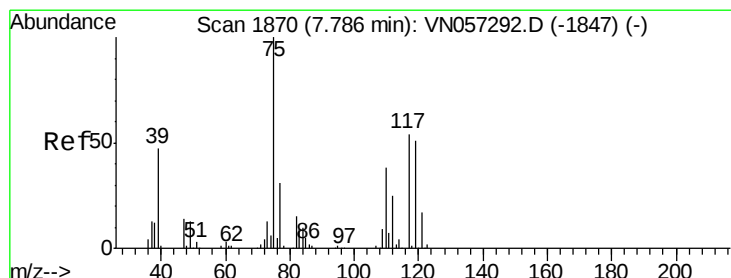
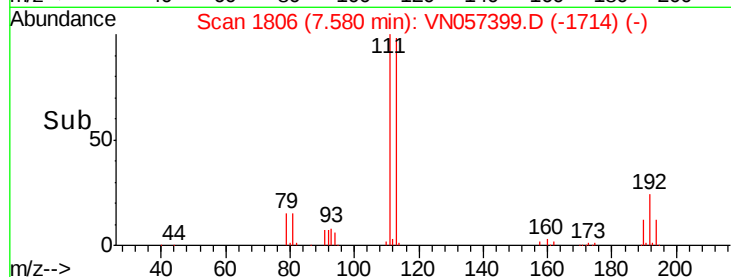
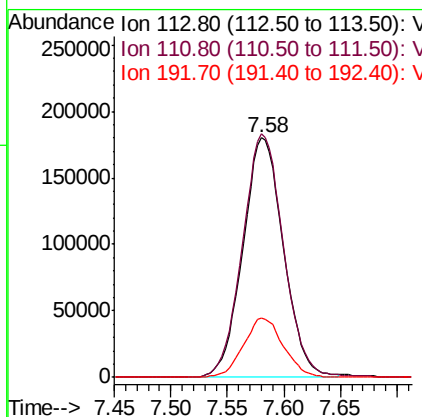
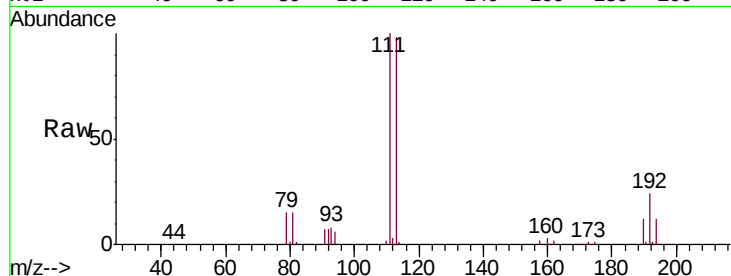




#35  
 Dibromofluoromethane  
 Concen: 46.201 ug/l  
 RT: 7.58 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

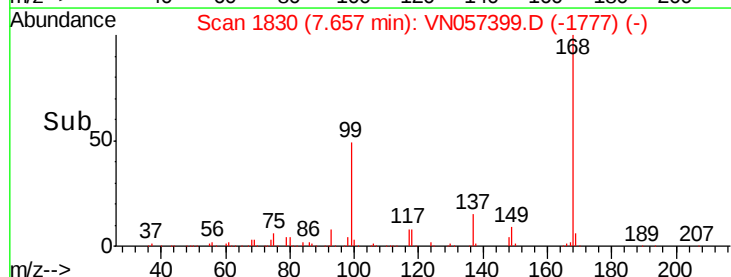
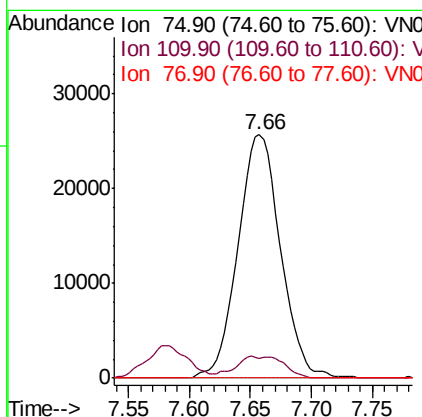
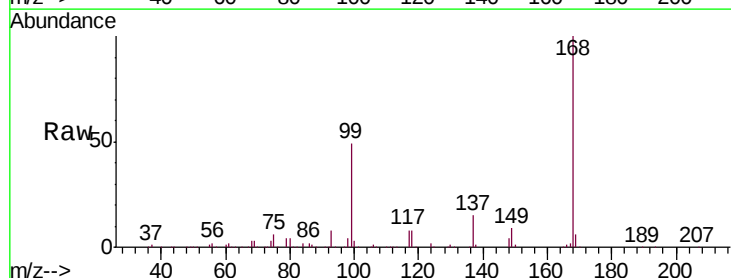
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T8-A3-(4)

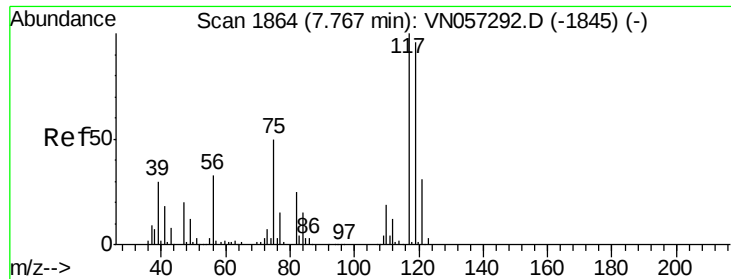
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 82.1  | 123.1 |
| 192     | 24.4  | 19.3  | 28.9  |



#36  
 1,1-Dichloropropene  
 Concen: 4.716 ug/l  
 RT: 7.66 min Scan# 1830  
 Delta R.T. -0.13 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 3.7   | 19.5  | 58.5# |
| 77      | 0.0   | 25.0  | 37.6# |





#38

Carbon Tetrachloride

Concen: 6.486 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampled :

T8-A3-(4)

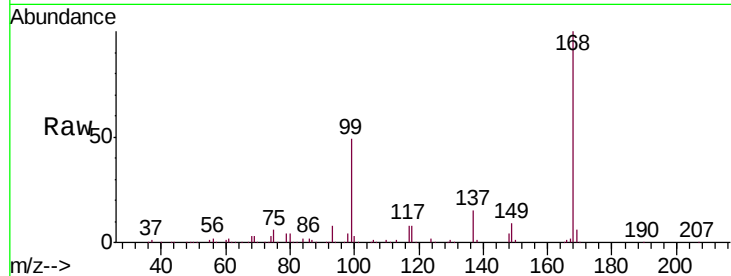
Tgt Ion:117 Resp: 88305

Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

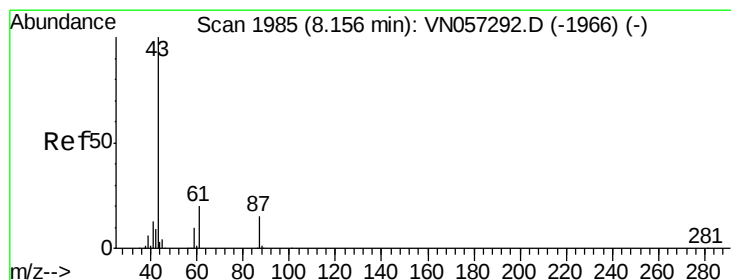
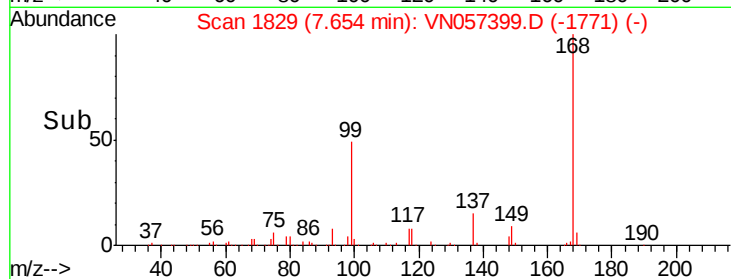
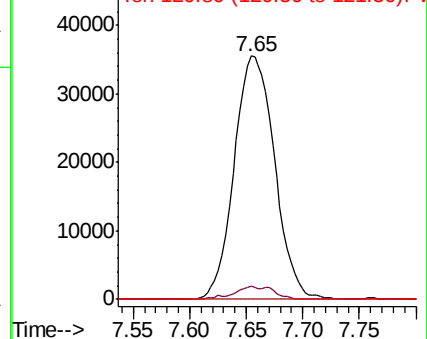
121 0.0 25.0 37.4#



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: 12.631 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

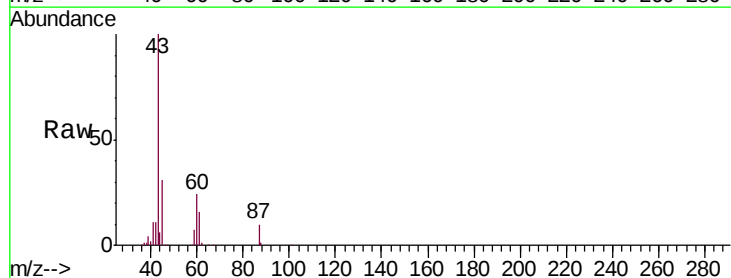
Tgt Ion: 43 Resp: 264466

Ion Ratio Lower Upper

43 100

61 14.7 21.6 32.4#

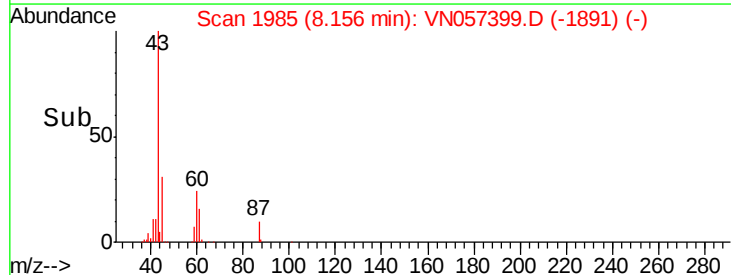
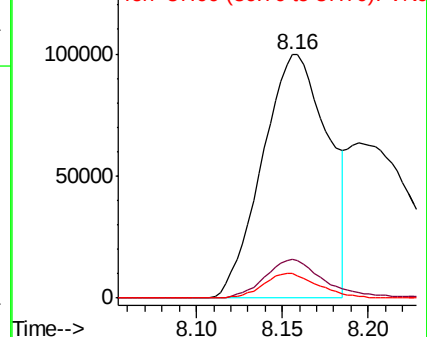
87 8.5 11.4 17.0#

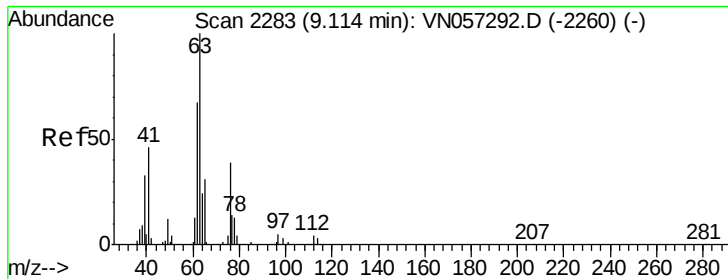


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.254 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

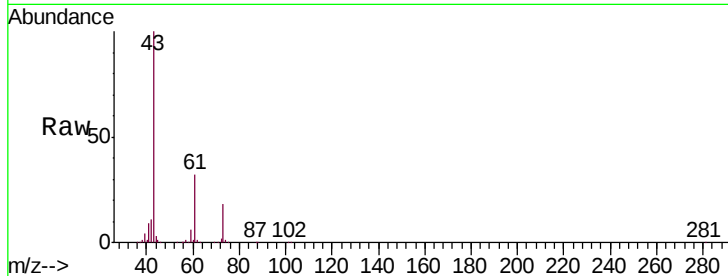
T8-A3-(4)

Tgt Ion: 63 Resp: 2620

Ion Ratio Lower Upper

63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.26

1500

1000

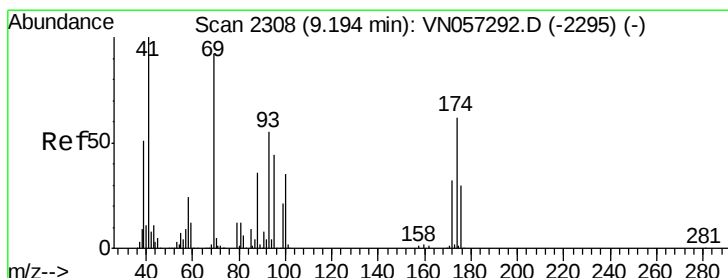
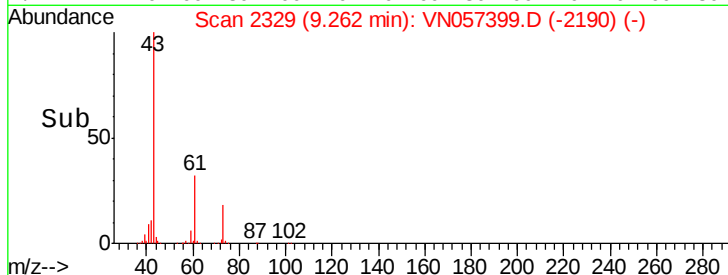
500

0

9.25

9.30

Time-->



#48

Methyl methacrylate

Concen: 0.878 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

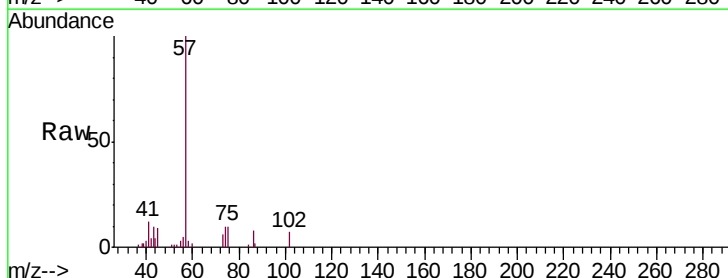
Tgt Ion: 41 Resp: 7764

Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 42.3 63.5#



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

100000

80000

60000

40000

20000

0

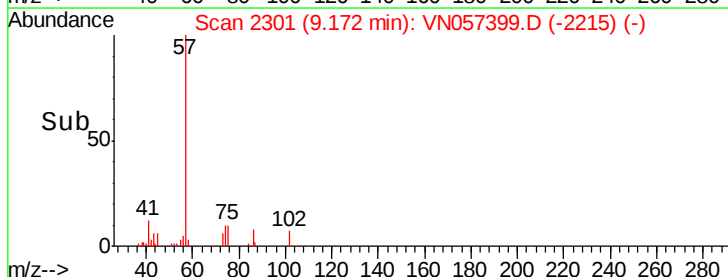
9.10

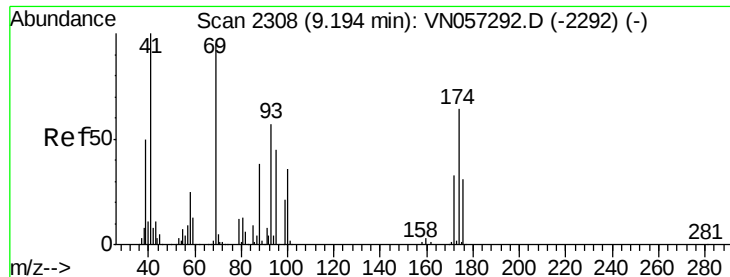
9.15

9.20

9.17

Time-->





#49

1,4-Dioxane

Concen: 3.578 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

T8-A3-(4)

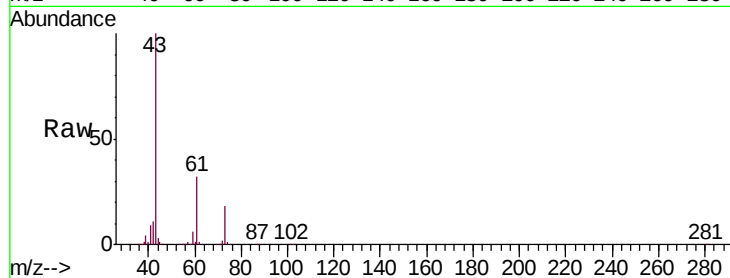
Tgt Ion: 88 Resp: 665

Ion Ratio Lower Upper

88 100

43 352764.1 22.9 34.3#

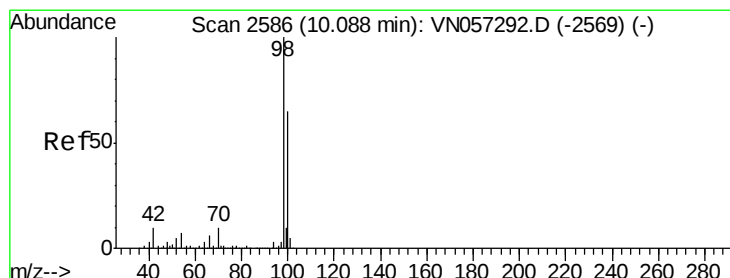
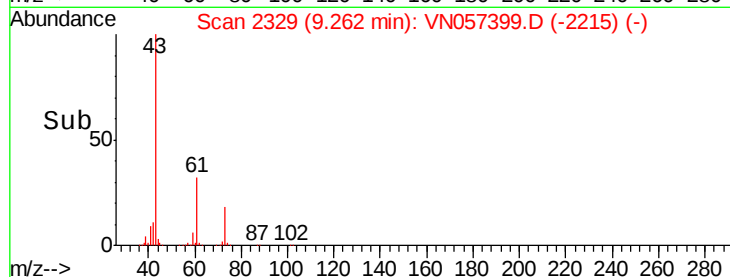
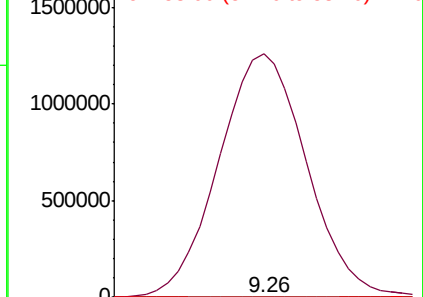
58 1515.2 52.7 79.1#



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: 48.573 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057399.D

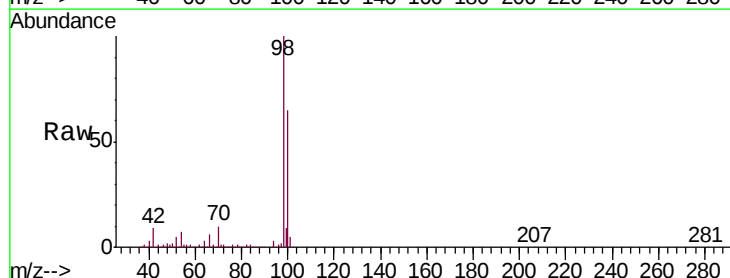
Acq: 19 Aug 2019 14:43

Tgt Ion: 98 Resp: 1728444

Ion Ratio Lower Upper

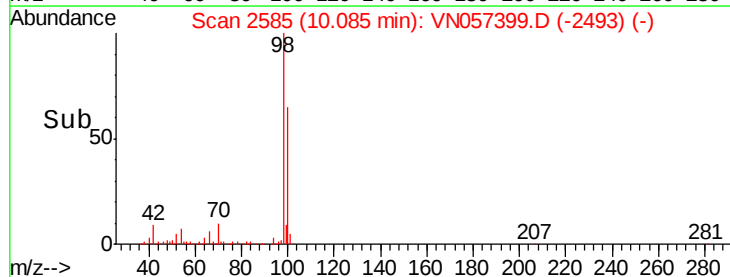
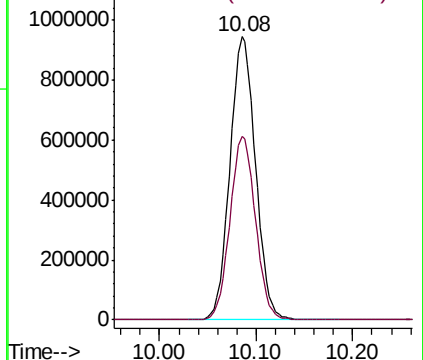
98 100

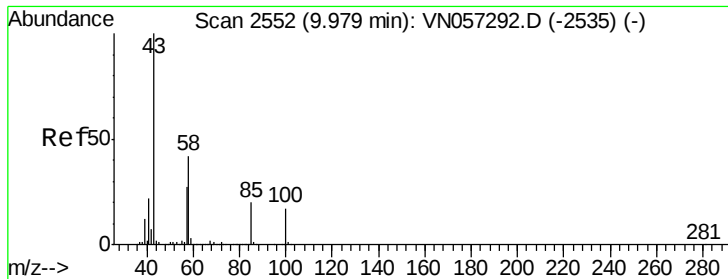
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

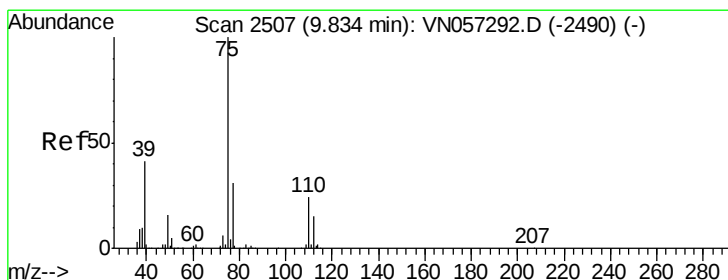
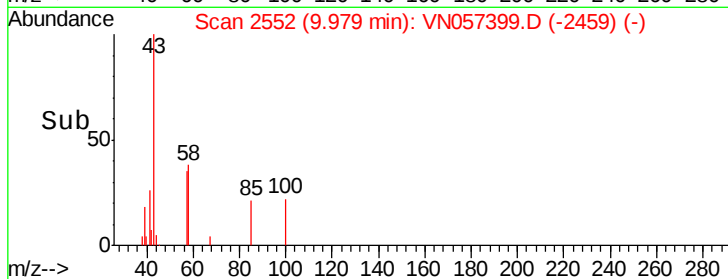
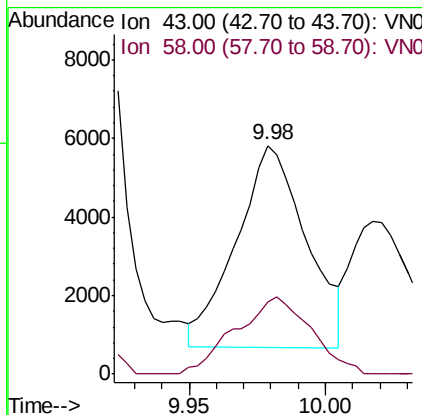
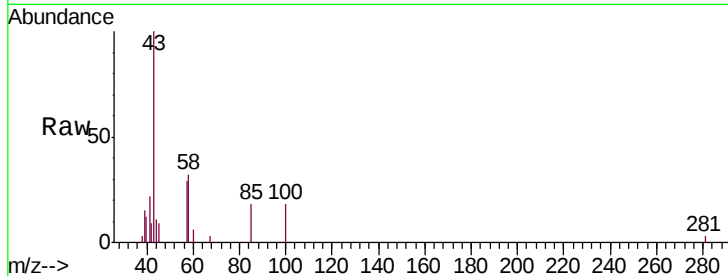




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.822 ug/l  
 RT: 9.98 min Scan# 2552  
 Delta R.T. 0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

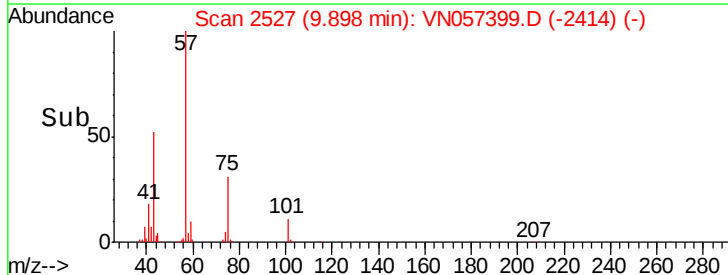
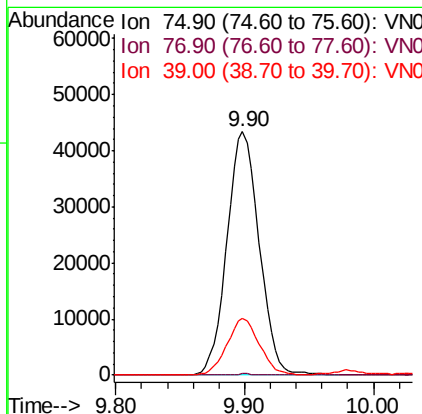
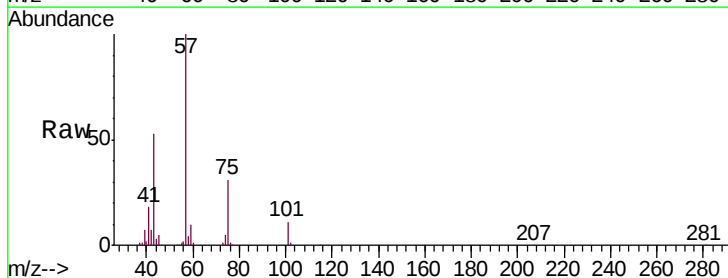
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T8-A3-(4)

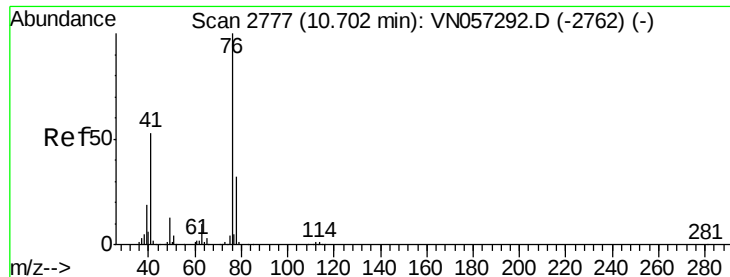
Tgt Ion: 43 Resp: 9100  
 Ion Ratio Lower Upper  
 43 100  
 58 41.4 33.2 49.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.630 ug/l  
 RT: 9.90 min Scan# 2527  
 Delta R.T. 0.06 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Tgt Ion: 75 Resp: 75415  
 Ion Ratio Lower Upper  
 75 100  
 77 0.7 24.9 37.3#  
 39 23.5 32.7 49.1#

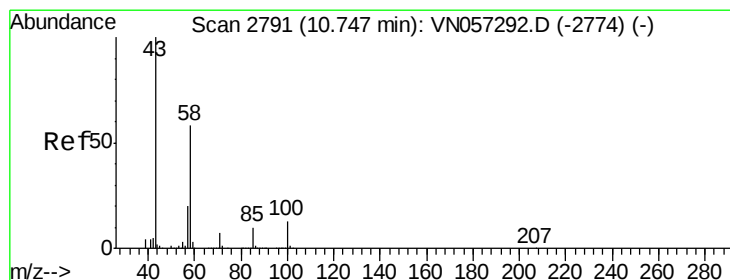
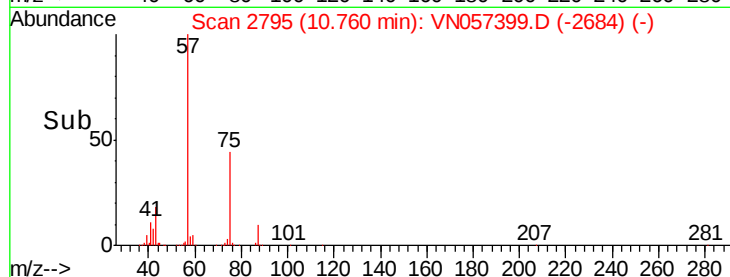
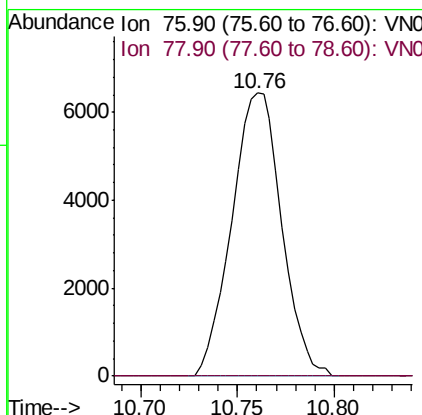
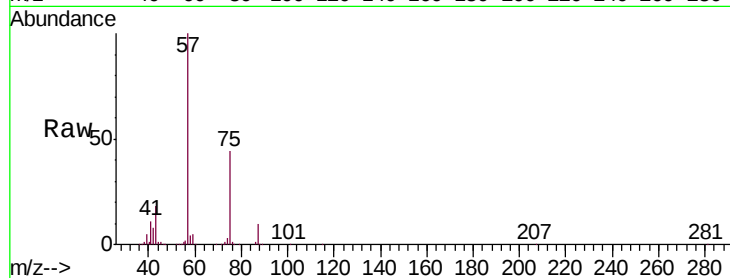




#57  
 1,3-Dichloropropane  
 Concen: 0.704 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.06 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

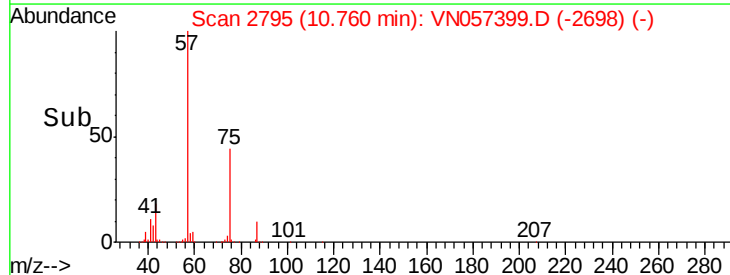
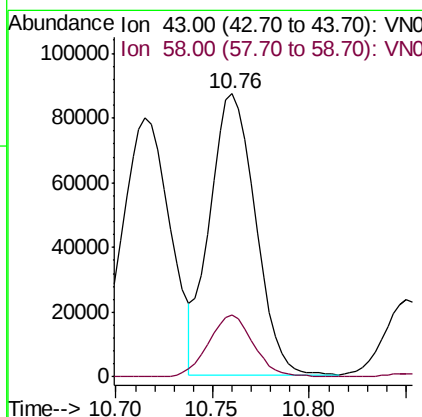
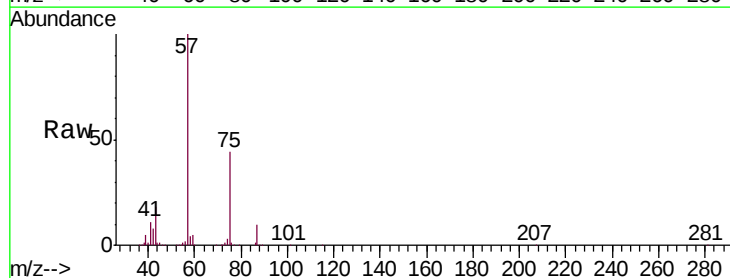
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T8-A3-(4)

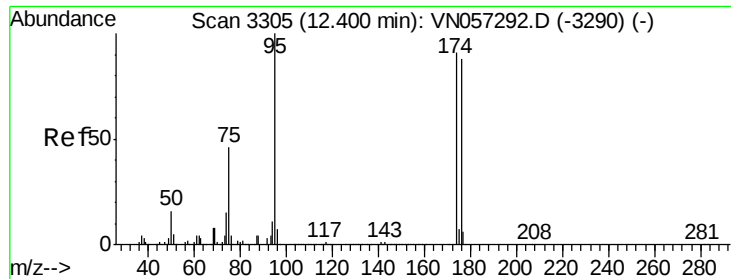
Tgt Ion: 76 Resp: 11543  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.6 38.4#



#59  
 2-Hexanone  
 Concen: 17.920 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.01 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Tgt Ion: 43 Resp: 142649  
 Ion Ratio Lower Upper  
 43 100  
 58 21.9 28.6 85.9#

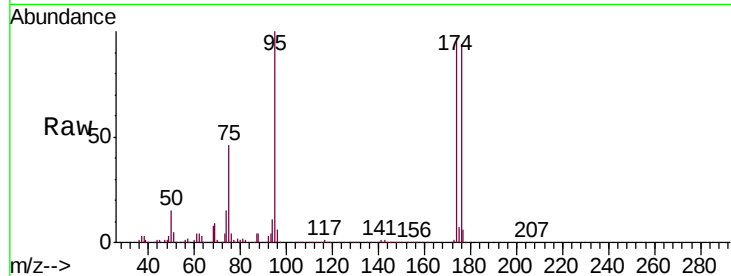




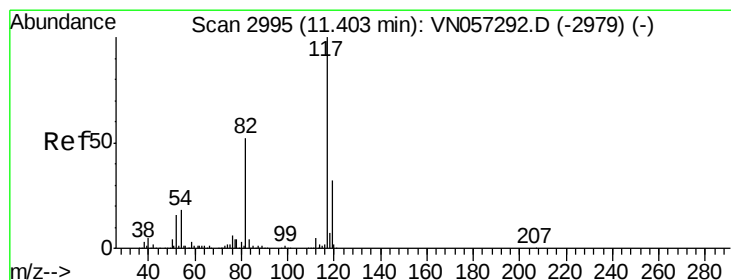
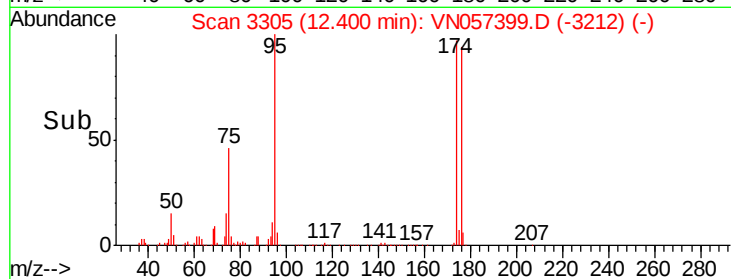
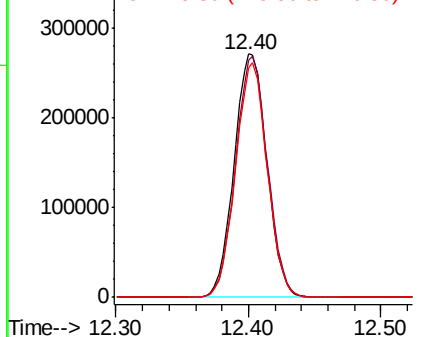
#62  
4-Bromofluorobenzene  
Concen: 36.885 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
T8-A3-(4)

Tgt Ion: 95 Resp: 463843  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 185.0  
176 93.3 0.0 181.0

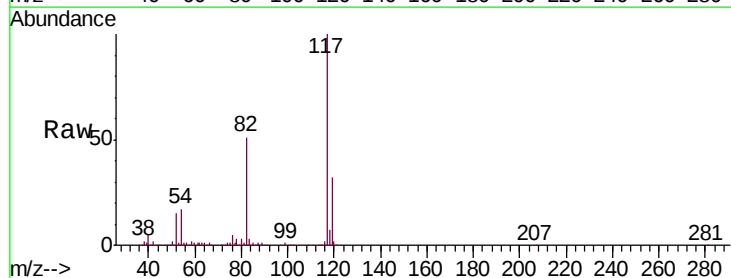


Abundance Ion 94.90 (94.60 to 95.60): VN057292.D (-3290) (-)  
Ion 173.80 (173.50 to 174.50): VN057292.D (-3290) (-)  
Ion 175.80 (175.50 to 176.50): VN057292.D (-3290) (-)

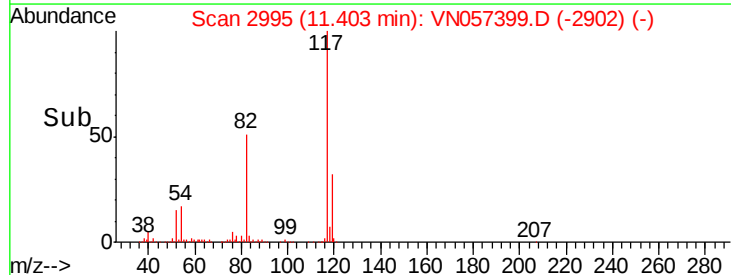
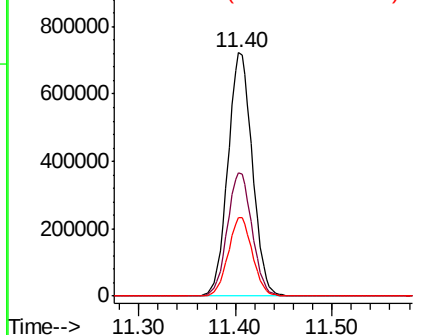


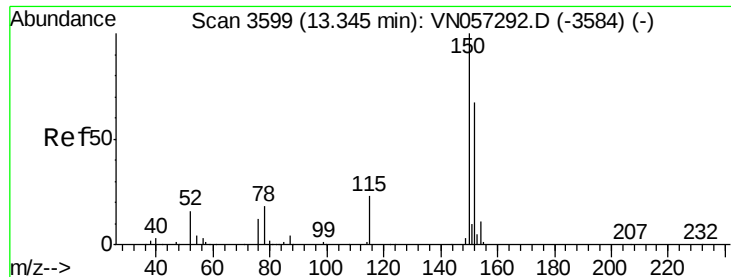
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. 0.00 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

Tgt Ion: 117 Resp: 1263134  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.2 61.8  
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VN057292.D (-2979) (-)  
Ion 82.00 (81.70 to 82.70): VN057292.D (-2979) (-)  
Ion 118.90 (118.60 to 119.60): VN057292.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

T8-A3-(4)

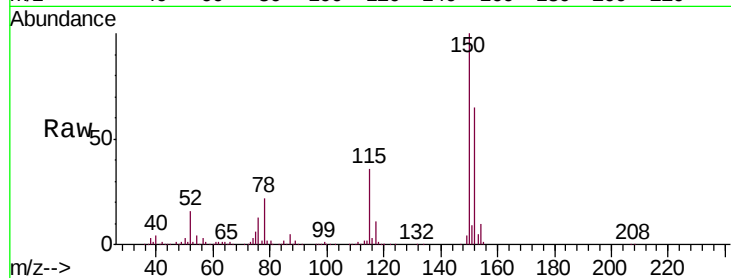
Tgt Ion:152 Resp: 330506

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

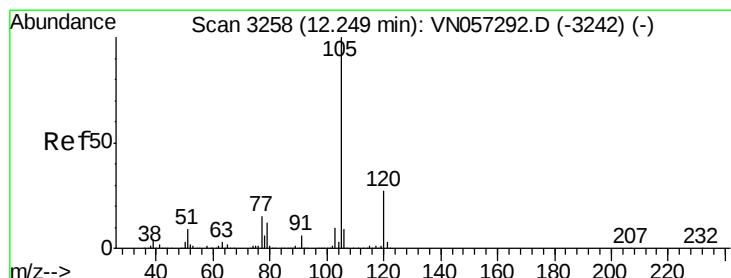
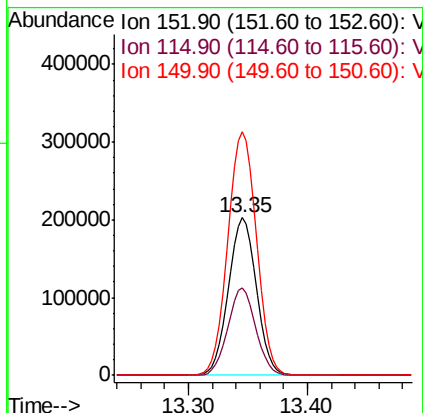
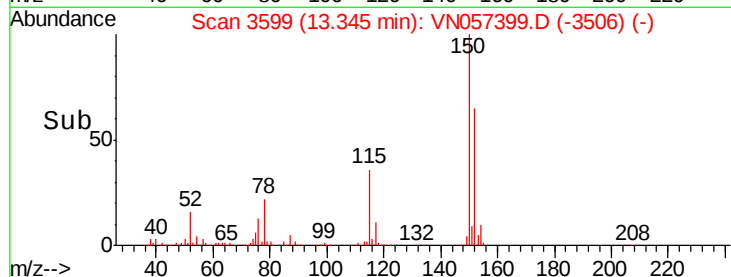
150 158.1 0.0 344.4



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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN057399.D

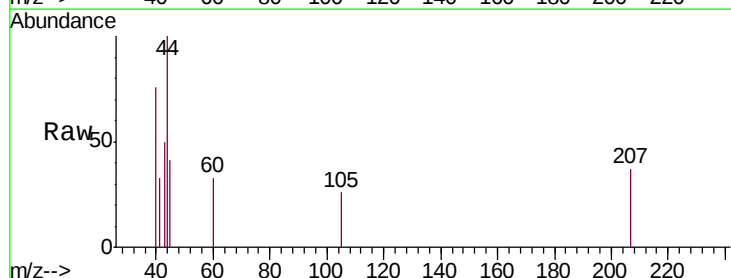
Acq: 19 Aug 2019 14:43

Tgt Ion:105 Resp: 32

Ion Ratio Lower Upper

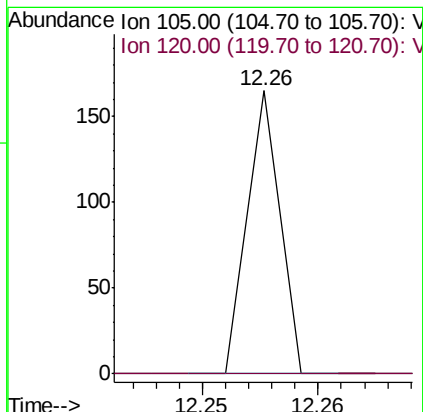
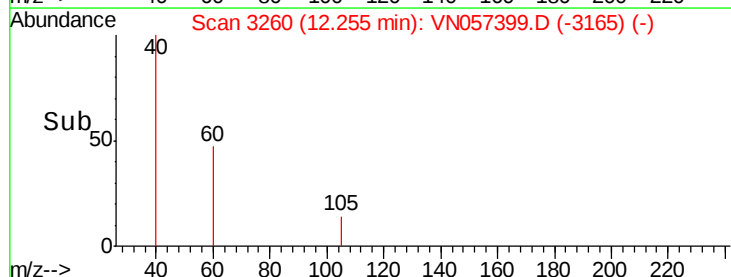
105 100

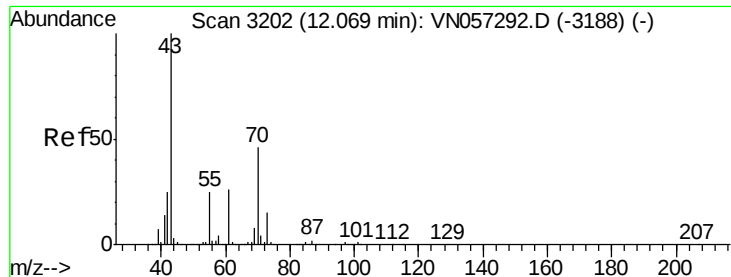
120 0.0 13.2 39.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 0.406 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

T8-A3-(4)

Tgt Ion: 43 Resp: 3890

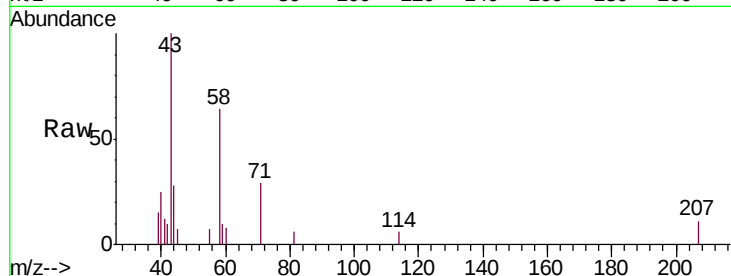
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 1.8 20.1 30.1#

61 0.0 20.9 31.3#

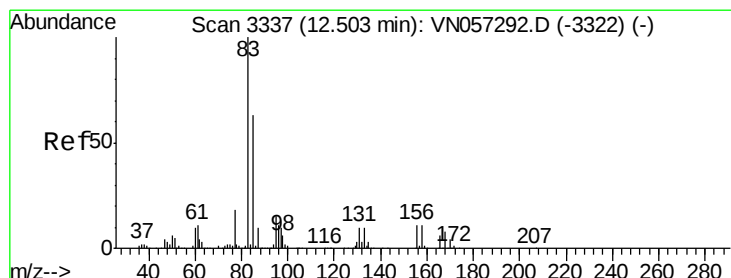
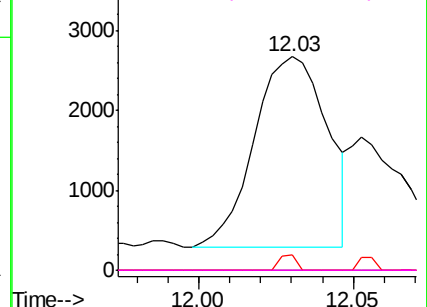
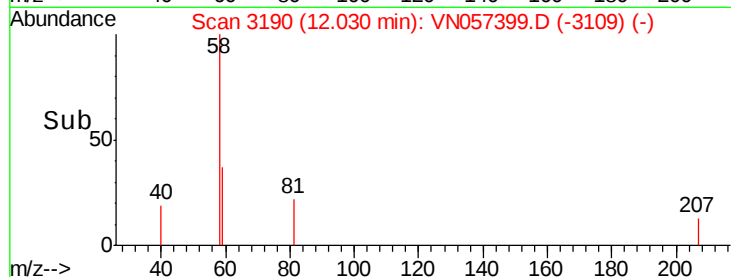


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

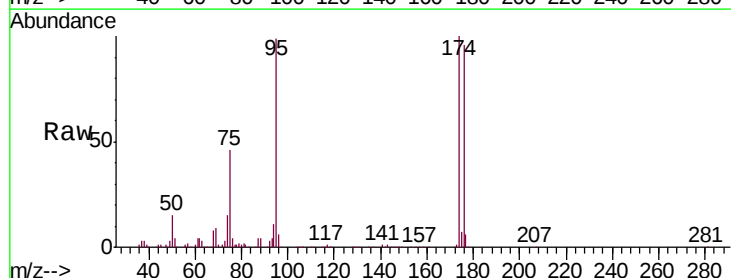
Tgt Ion: 83 Resp: 117

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

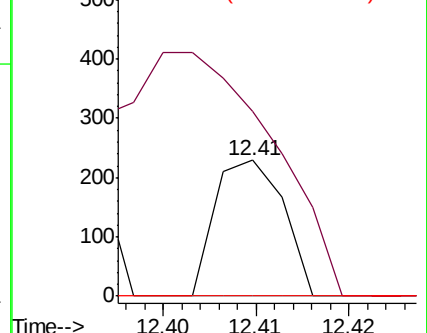
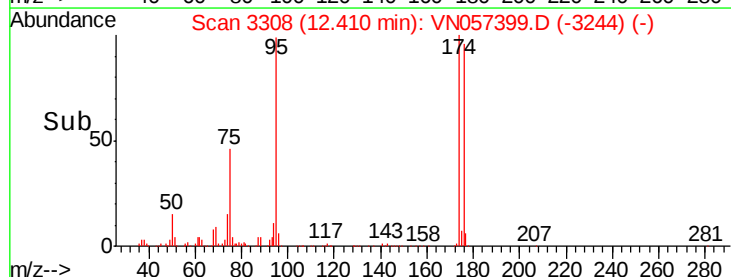
85 0.0 32.3 96.9#

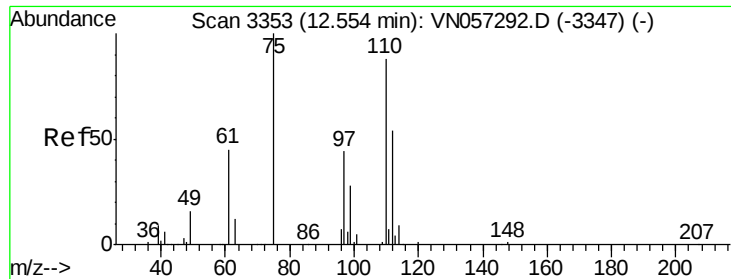


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

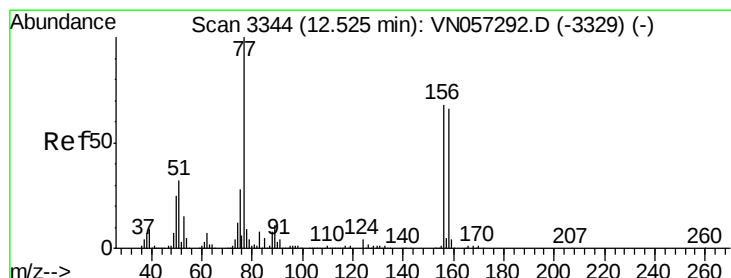
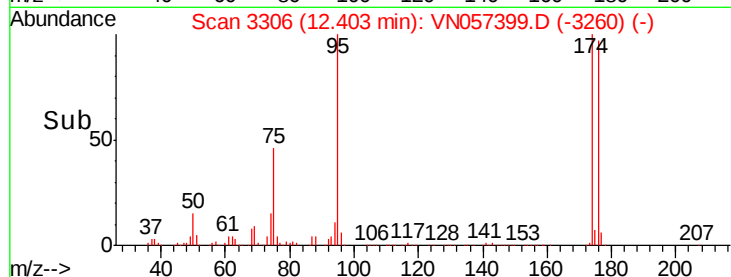
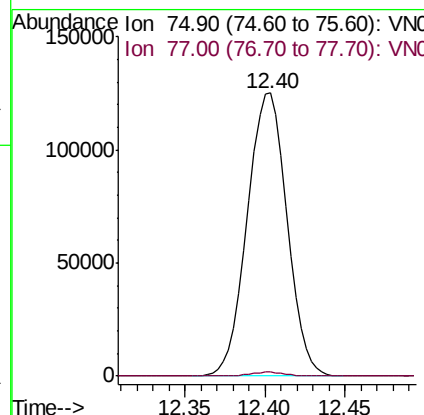
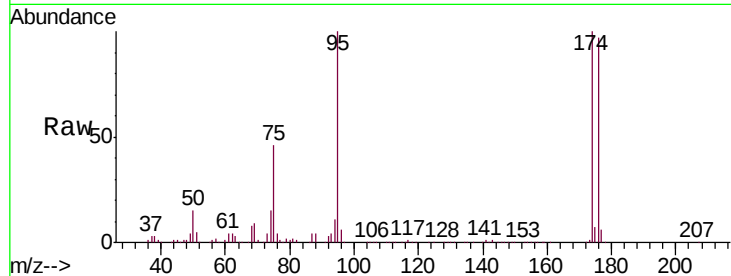




#76  
 1,2,3-Trichloropropane  
 Concen: 32.012 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. -0.15 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

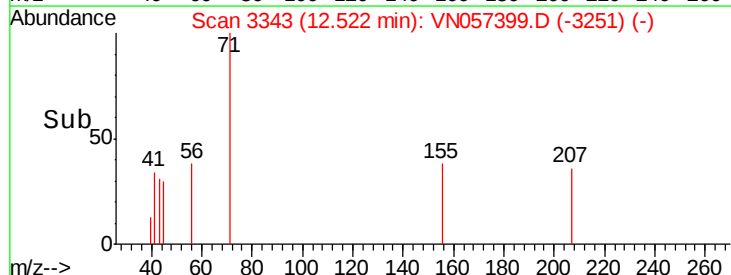
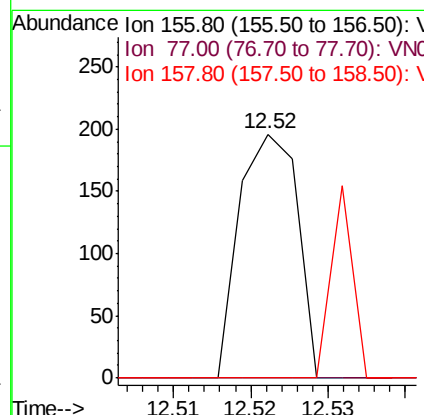
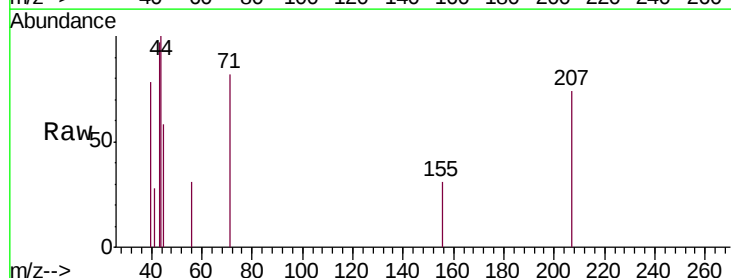
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T8-A3-(4)

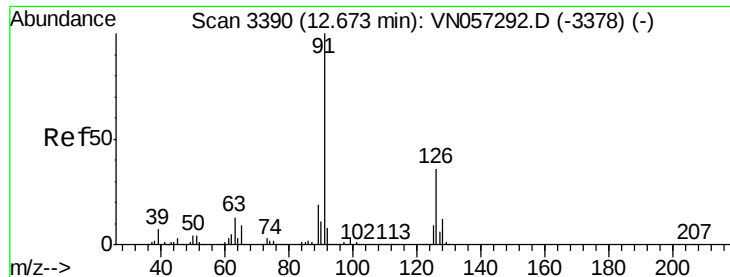
Tgt Ion: 75 Resp: 212695  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#



#77  
 Bromobenzene  
 Concen: Below Cal  
 RT: 12.52 min Scan# 3343  
 Delta R.T. -0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Tgt Ion: 156 Resp: 102  
 Ion Ratio Lower Upper  
 156 100  
 77 0.0 89.8 269.6#  
 158 29.4 49.3 147.8#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN057399.D

Acq: 19 Aug 2019 14:43

Instrument :

MSVOA\_N

ClientSampleId :

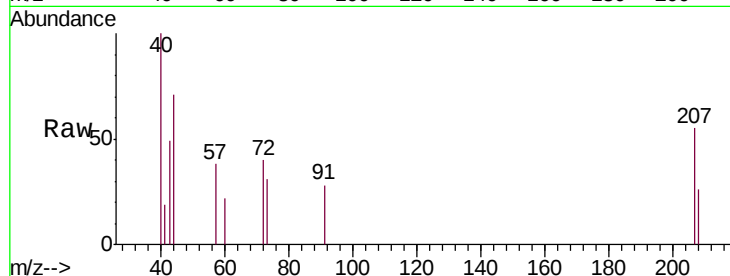
T8-A3-(4)

Tgt Ion: 91 Resp: 205

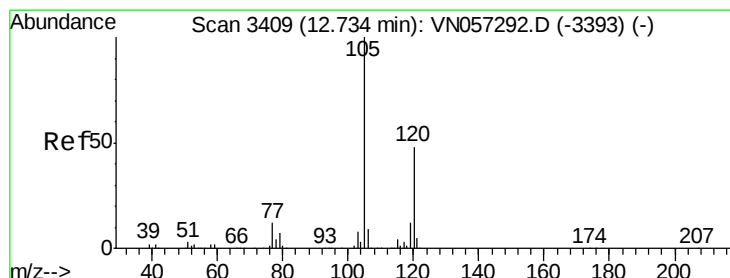
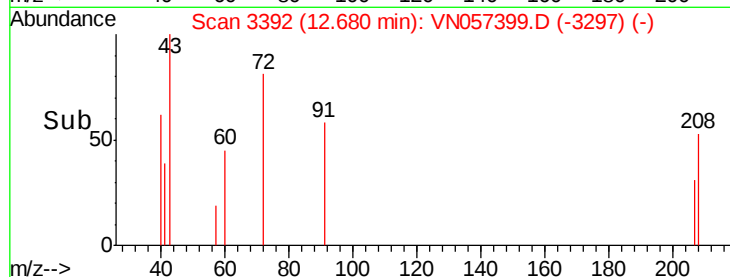
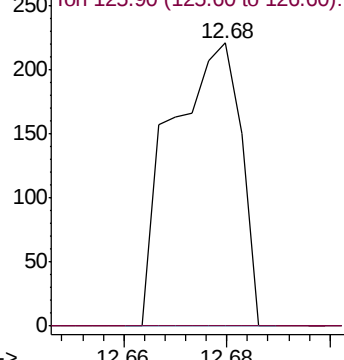
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057399.D

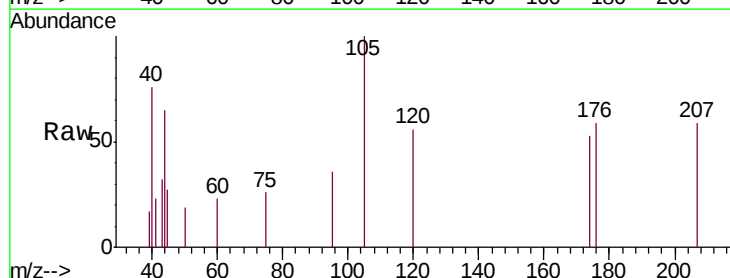
Acq: 19 Aug 2019 14:43

Tgt Ion: 105 Resp: 1364

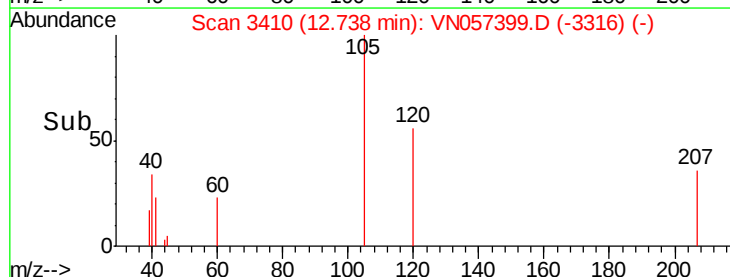
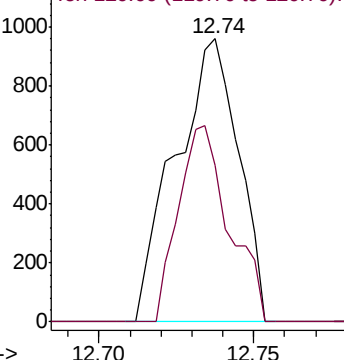
Ion Ratio Lower Upper

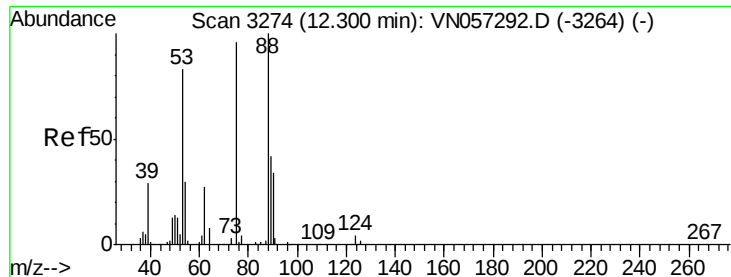
105 100

120 55.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

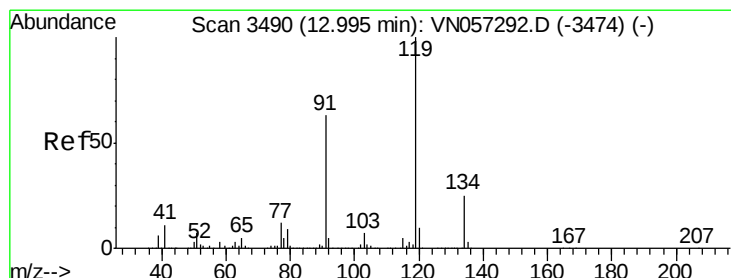
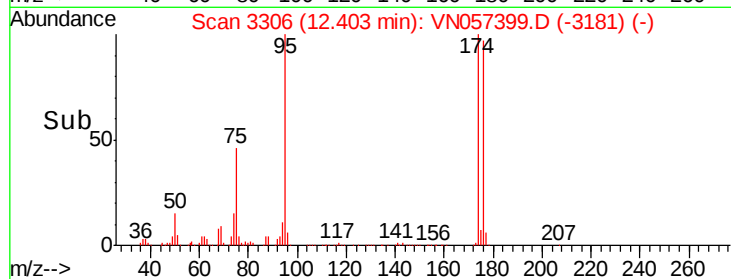
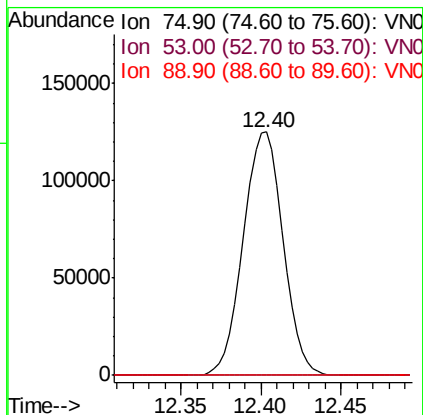
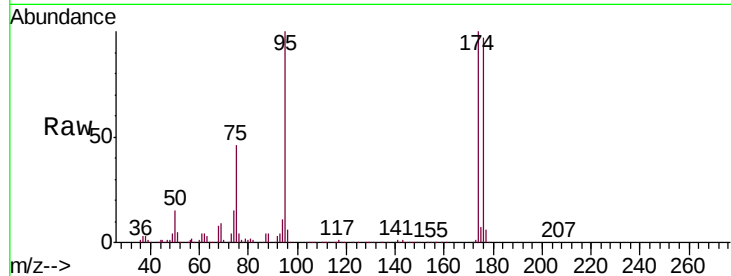




#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.472 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.10 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

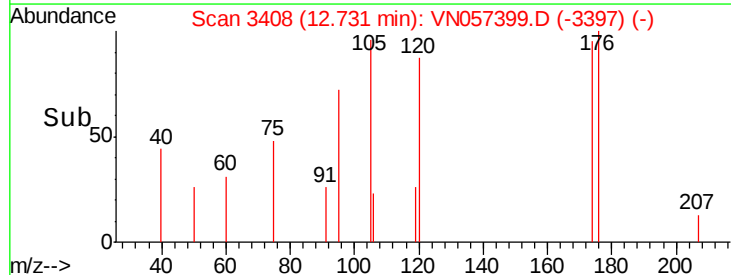
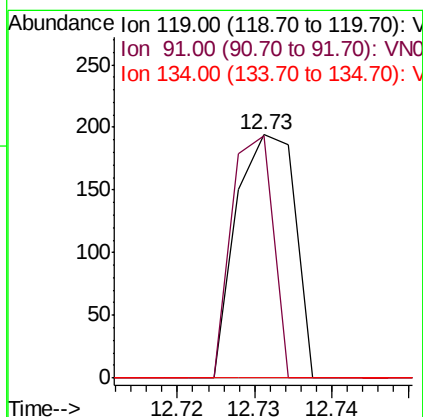
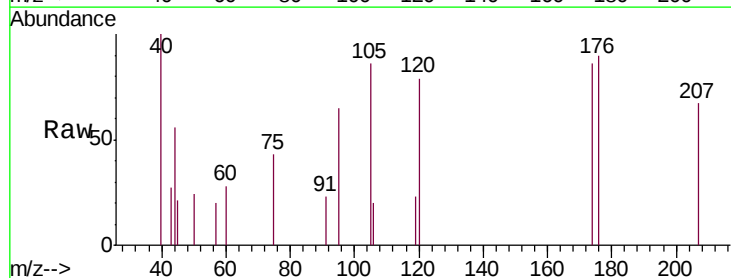
Instrument :  
MSVOA\_N  
ClientSampleId :  
T8-A3-(4)

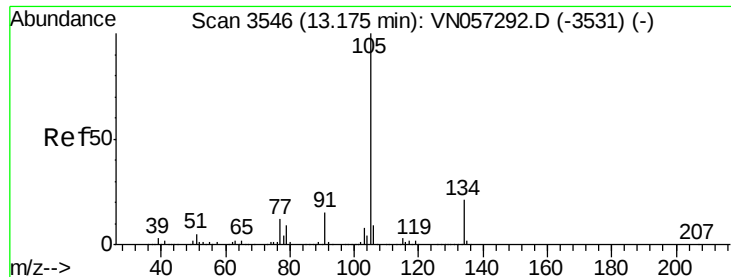
Tgt Ion: 75 Resp: 212695  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.9 101.9#  
89 0.1 36.2 54.4#



#83  
tert-Butylbenzene  
Concen: Below Cal  
RT: 12.73 min Scan# 3408  
Delta R.T. -0.26 min  
Lab File: VN057399.D  
Acq: 19 Aug 2019 14:43

Tgt Ion: 119 Resp: 102  
Ion Ratio Lower Upper  
119 100  
91 70.6 31.3 93.8  
134 0.0 13.1 39.1#

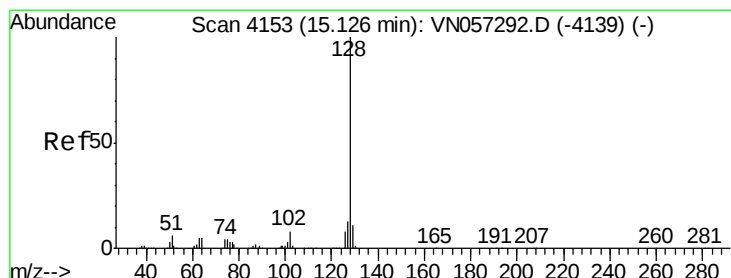
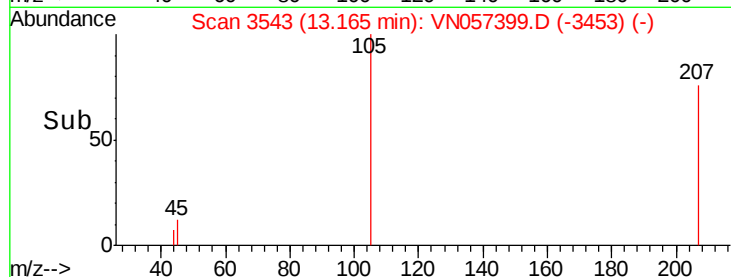
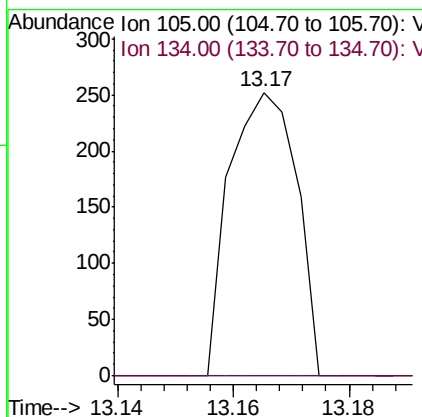
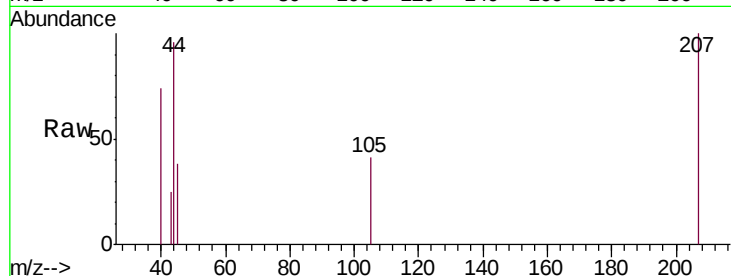




#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3543  
 Delta R.T. -0.01 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

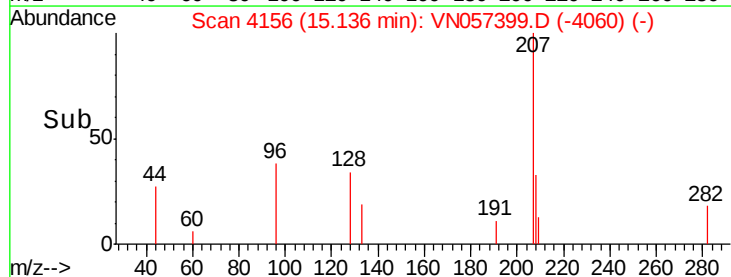
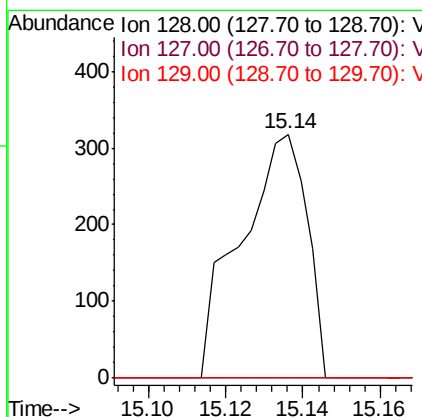
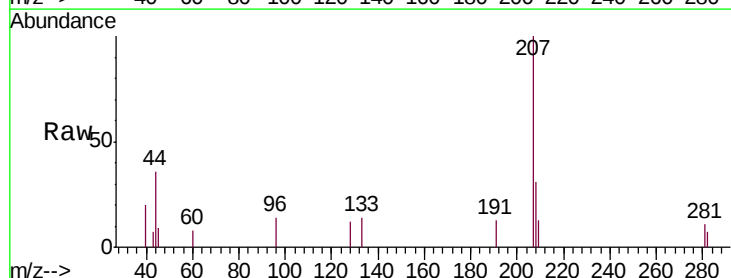
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T8-A3-(4)

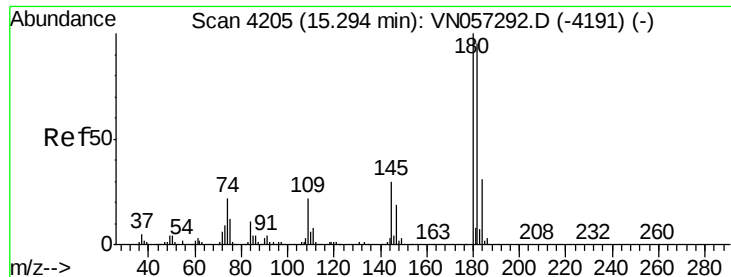
Tgt Ion:105 Resp: 202  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.2#



#95  
 Naphthalene  
 Concen: Below Cal  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.01 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Tgt Ion:128 Resp: 380  
 Ion Ratio Lower Upper  
 128 100  
 127 0.0 10.5 15.7#  
 129 0.0 8.8 13.2#

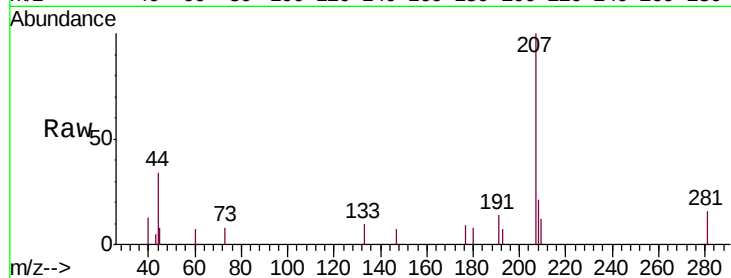




#96  
 1,2,3-Trichlorobenzene  
 Concen: Below Cal  
 RT: 15.30 min Scan# 4206  
 Delta R.T. 0.00 min  
 Lab File: VN057399.D  
 Acq: 19 Aug 2019 14:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T8-A3-(4)

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 0.0   | 47.9  | 143.6# |
| 145     | 0.0   | 15.1  | 45.3#  |



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

