

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054361.D  
 Acq On : 17 Mar 2019 3:15  
 Operator : JC/SP  
 Sample : K1921-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 282-346

Quant Time: Mar 18 05:00:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

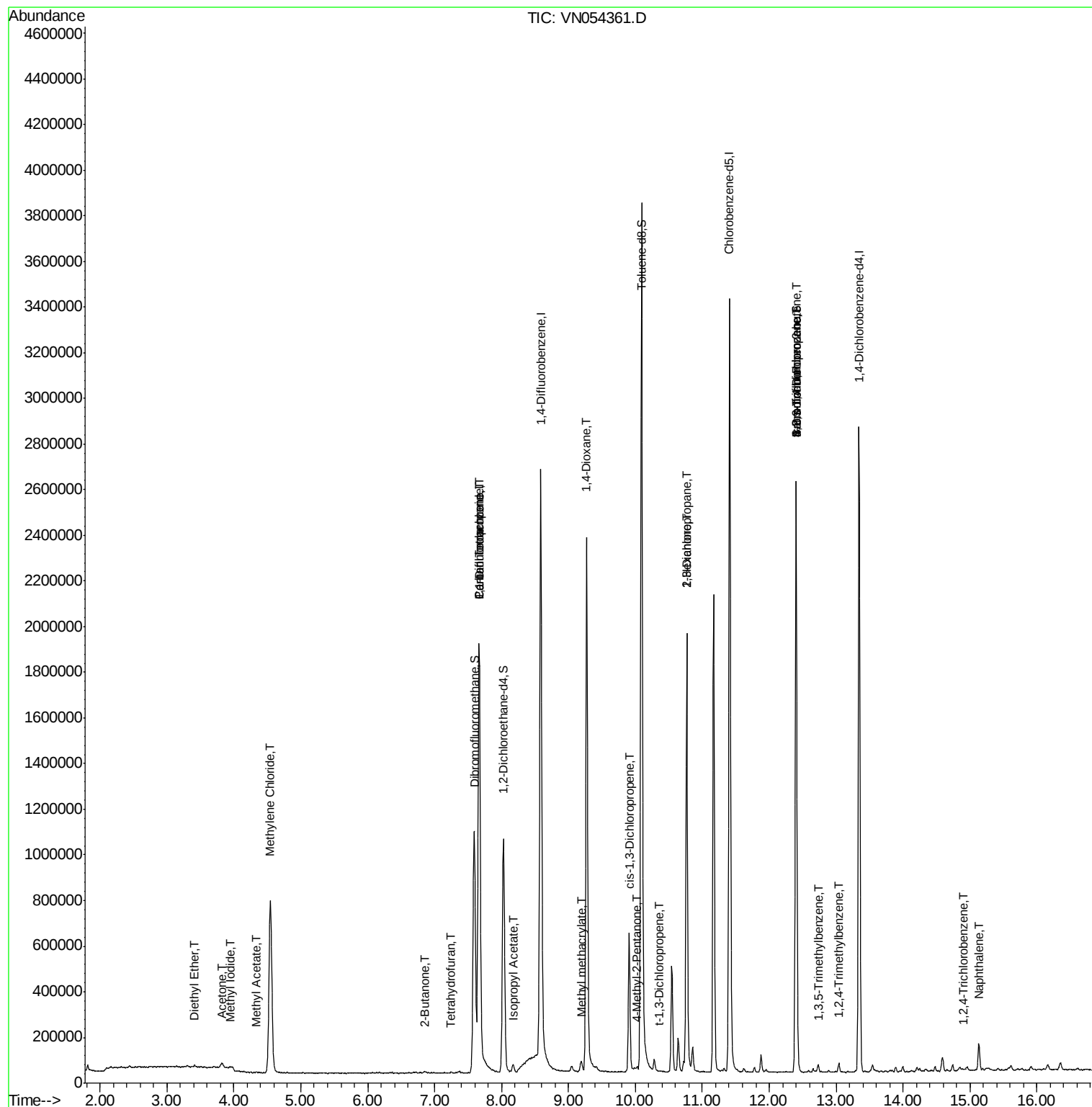
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.67  | 168  | 1837570  | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.59  | 114  | 2638615  | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.41 | 117  | 2226873  | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.34 | 152  | 831430   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.03  | 65   | 897854   | 46.01     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 92.02% |          |
| 35) Dibromofluoromethane       | 7.59  | 113  | 812532   | 47.75     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 95.50% |          |
| 50) Toluene-d8                 | 10.09 | 98   | 3030499  | 48.22     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 96.44% |          |
| 62) 4-Bromofluorobenzene       | 12.40 | 95   | 907456   | 41.26     | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =         | 82.52% |          |
| Target Compounds               |       |      |          |           |        |          |
|                                |       |      |          |           | Qvalue |          |
| 8) Diethyl Ether               | 3.41  | 74   | 4454     | 0.380     | ug/l   | 92       |
| 10) Methyl Iodide              | 3.94  | 142  | 492      | 1.514     | ug/l # | 80       |
| 16) Acetone                    | 3.82  | 43   | 34167    | 6.115     | ug/l   | 100      |
| 18) Methyl Acetate             | 4.33  | 43   | 2441     | 0.216     | ug/l   | 95       |
| 20) Methylene Chloride         | 4.54  | 84   | 596133   | 32.492    | ug/l   | 98       |
| 25) 2-Butanone                 | 6.86  | 43   | 3764     | 0.574     | ug/l   | 97       |
| 29) Tetrahydrofuran            | 7.24  | 42   | 1095     | 0.260     | ug/l # | 84       |
| 31) Cyclohexane                | 7.67  | 56   | 27995    | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene        | 7.66  | 75   | 106331   | 4.376     | ug/l # | 48       |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 149878   | 5.882     | ug/l # | 16       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 39200    | 1.600     | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 15651    | 1.258     | ug/l # | 25       |
| 49) 1,4-Dioxane                | 9.27  | 88   | 132      | 0.750     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone       | 10.03 | 43   | 12566    | 0.969     | ug/l # | 36       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 119      | 1.990     | ug/l # | 42       |
| 54) cis-1,3-Dichloropropene    | 9.91  | 75   | 119969   | 4.402     | ug/l # | 64       |
| 57) 1,3-Dichloropropane        | 10.77 | 76   | 22065    | 0.838     | ug/l # | 43       |
| 59) 2-Hexanone                 | 10.77 | 43   | 284852   | 33.008    | ug/l # | 51       |
| 71) Bromoform                  | 12.41 | 173  | 5681     | 2.750     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 434537   | 35.540    | ug/l # | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 16236    | 0.293     | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 434537   | 121.493   | ug/l # | 11       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 25631    | 0.472     | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1540     | 2.600     | ug/l # | 71       |
| 95) Naphthalene                | 15.13 | 128  | 110675   | 6.294     | ug/l   | 99       |

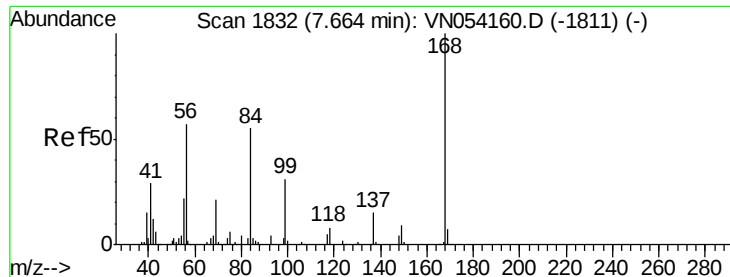
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

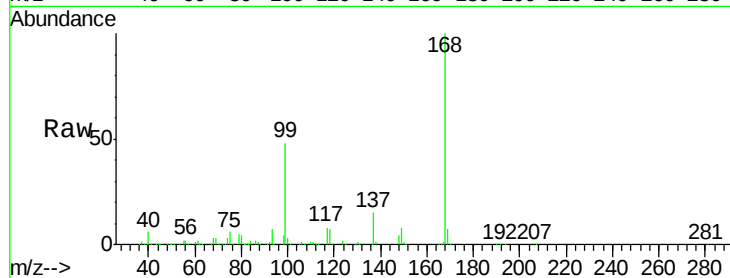
282-346

Tot Ion:168 Resp: 1837570

Ion Ratio Lower Upper

168 100

99 47.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054361.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054361.D (-1739) (-)

7.67

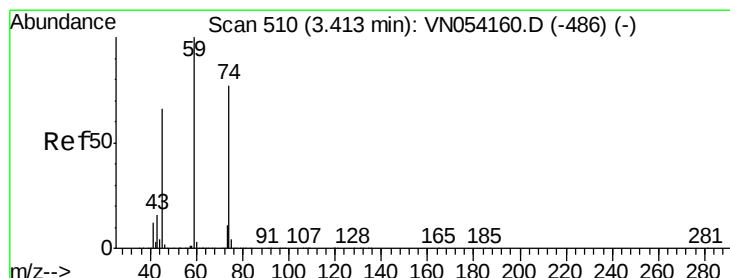
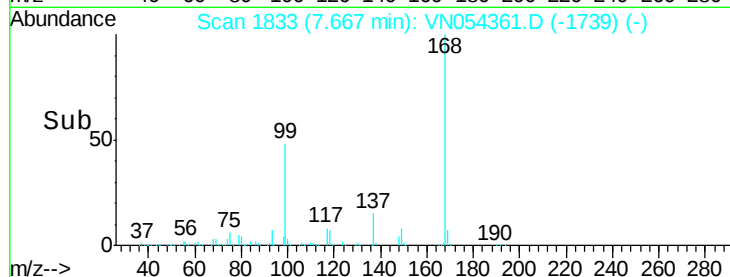
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 0.380 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN054361.D

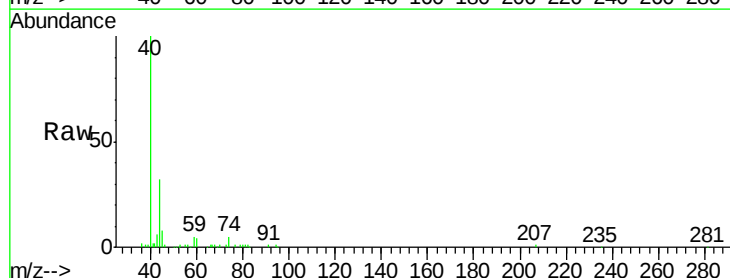
Acq: 17 Mar 2019 3:15

Tgt Ion: 74 Resp: 4454

Ion Ratio Lower Upper

74 100

45 93.7 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VN054361.D (-417) (-)

Ion 45.00 (44.70 to 45.70): VN054361.D (-417) (-)

3.41

4000

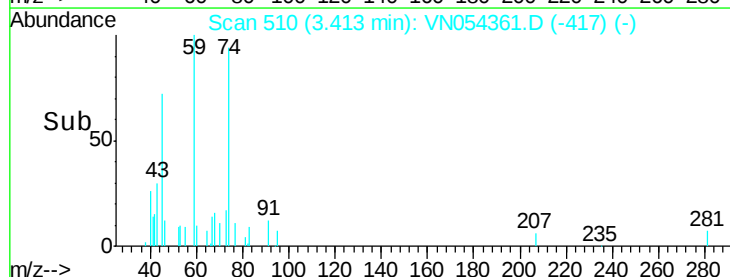
3000

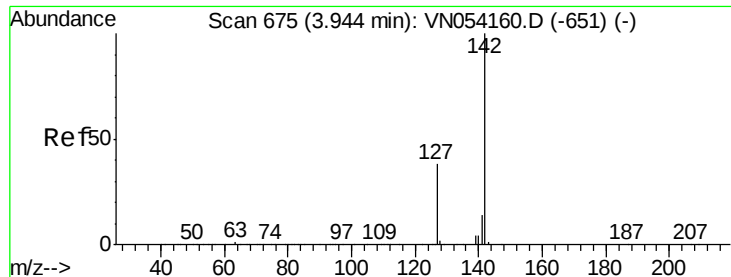
2000

1000

0

Time-->

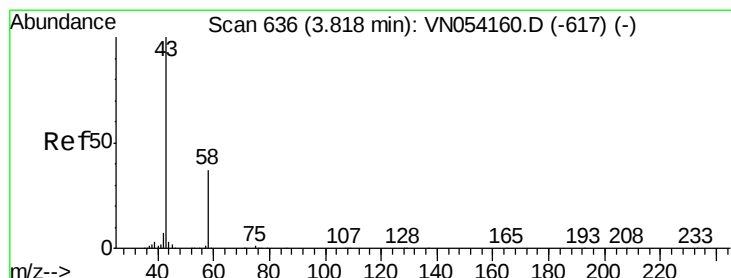
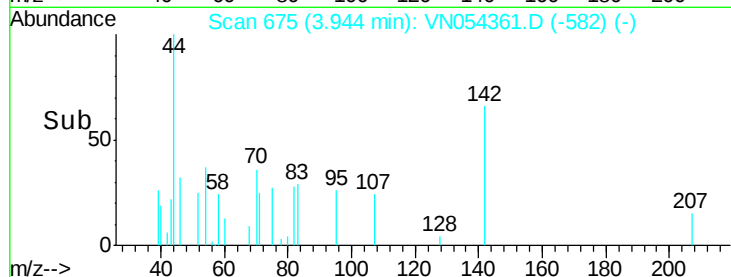
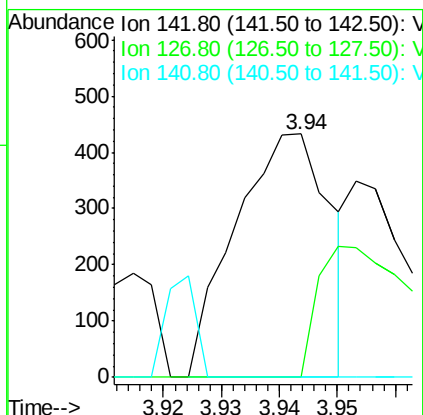
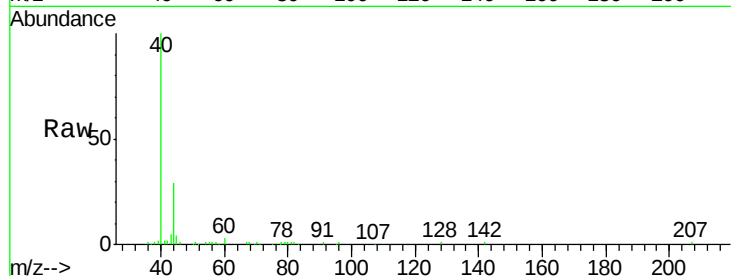




#10  
Methvl Iodide  
Concen: 1.514 ug/l  
RT: 3.94 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

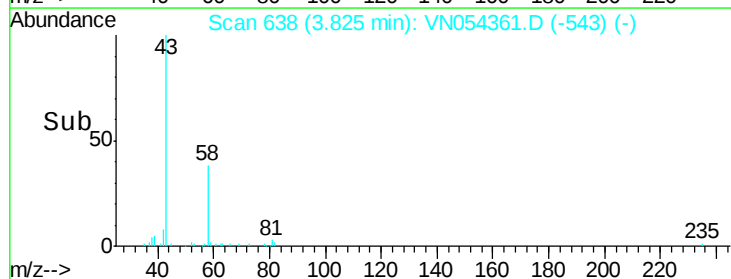
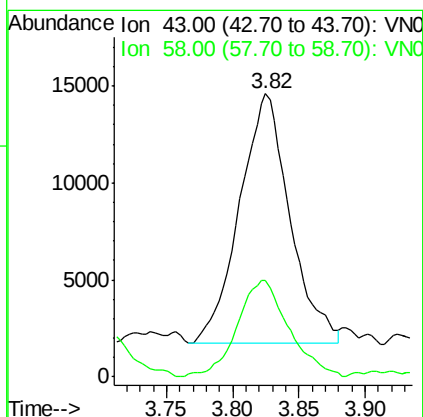
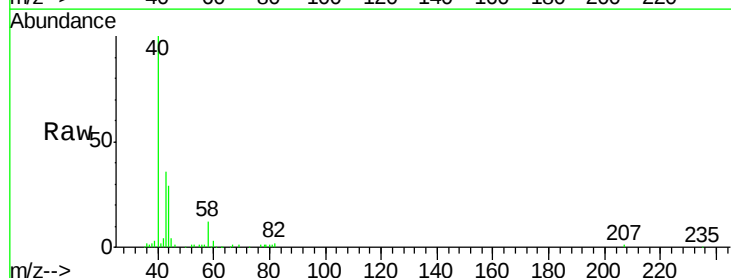
Instrument :  
MSVOA\_N  
ClientSampled :  
282-346

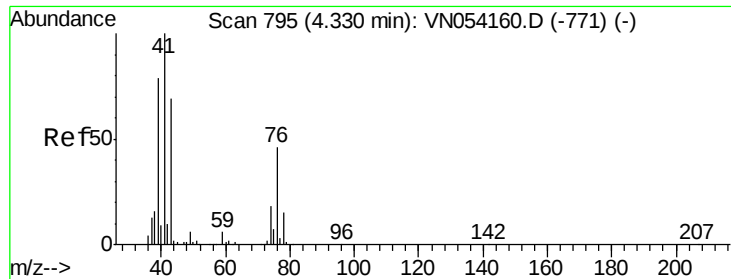
Tot Ion:142 Resp: 492  
Ion Ratio Lower Upper  
142 100  
127 46.5 30.3 45.5#  
141 0.0 11.2 16.8#



#16  
Acetone  
Concen: 6.115 ug/l  
RT: 3.82 min Scan# 638  
Delta R.T. 0.01 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion: 43 Resp: 34167  
Ion Ratio Lower Upper  
43 100  
58 37.6 29.9 44.9

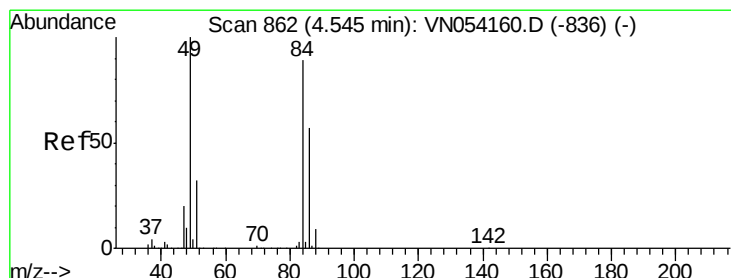
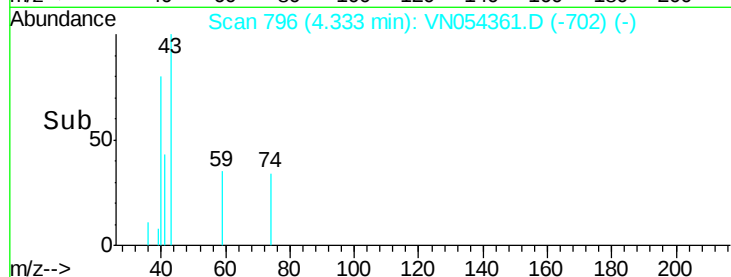
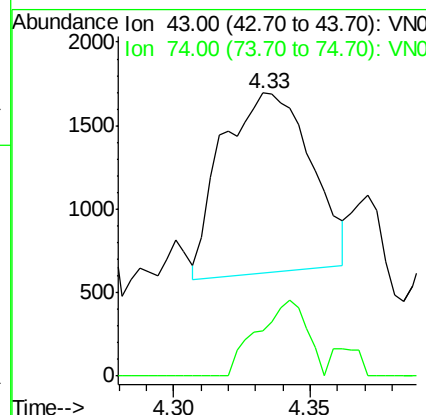
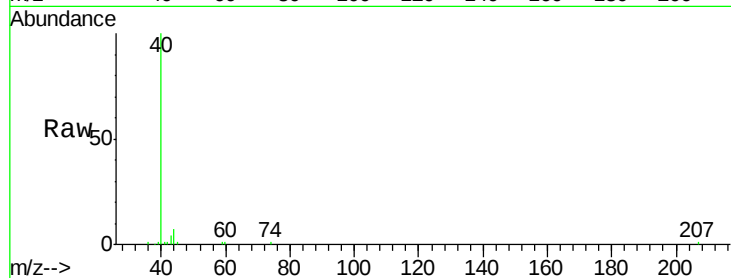




#18  
Methyl Acetate  
Concen: 0.216 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

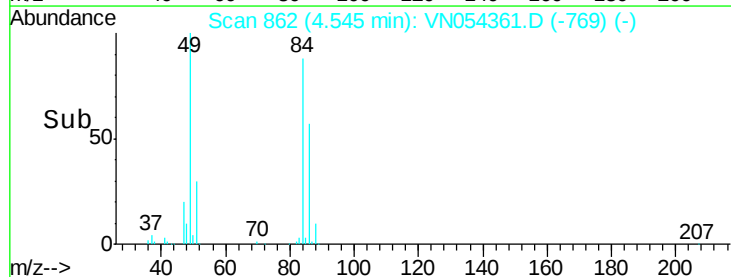
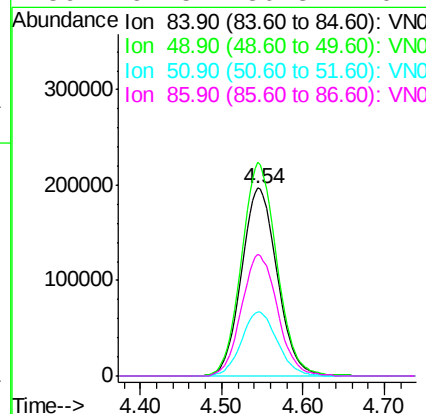
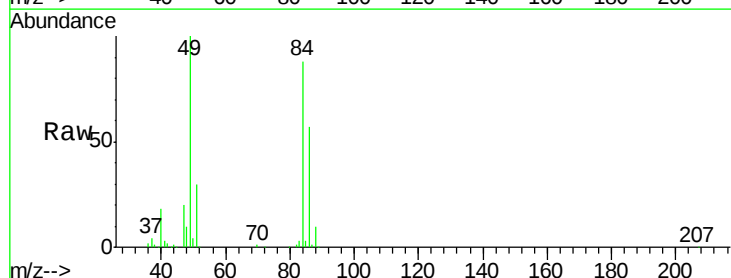
Instrument :  
MSVOA\_N  
ClientSampleId :  
282-346

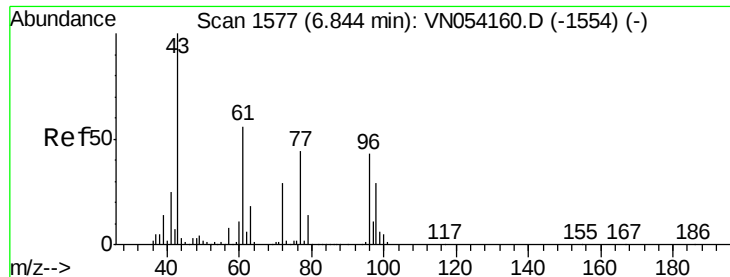
Tot Ion: 43 Resp: 2441  
Ion Ratio Lower Upper  
43 100  
74 23.4 20.8 31.2



#20  
Methylene Chloride  
Concen: 32.492 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion: 84 Resp: 596133  
Ion Ratio Lower Upper  
84 100  
49 113.9 89.7 134.5  
51 34.1 28.2 42.4  
86 64.5 50.8 76.2





#25

2-Butanone

Concen: 0.574 ug/l

RT: 6.86 min Scan# 1583

Delta R.T. 0.02 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

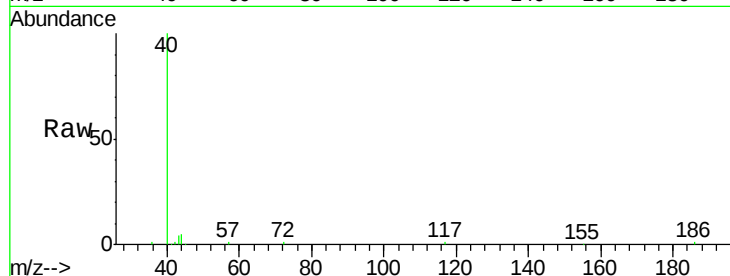
282-346

Tot Ion: 43 Resp: 3764

Ion Ratio Lower Upper

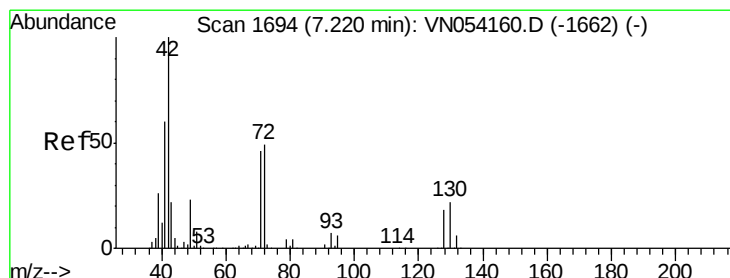
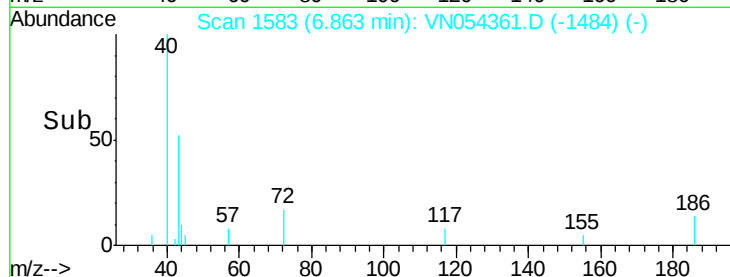
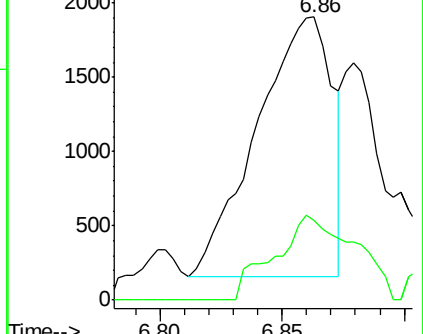
43 100

72 30.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

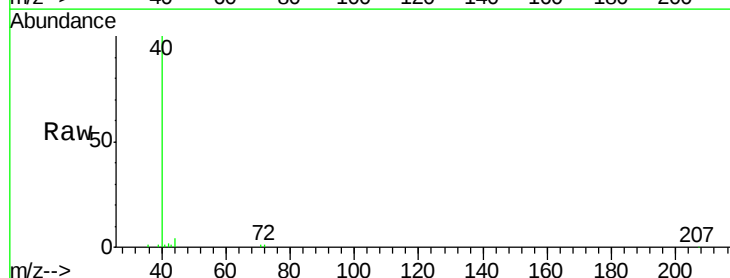
Tgt Ion: 42 Resp: 1095

Ion Ratio Lower Upper

42 100

72 41.2 37.8 56.6

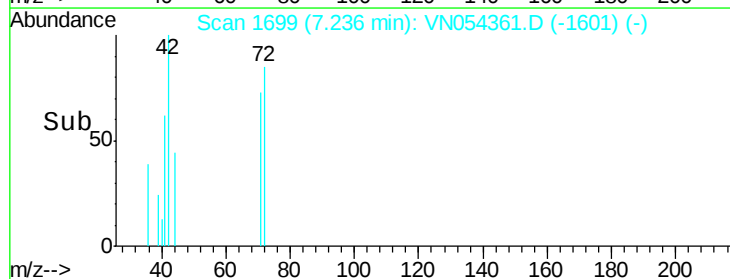
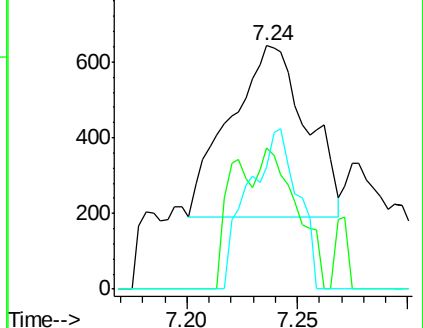
71 60.1 36.2 54.2#

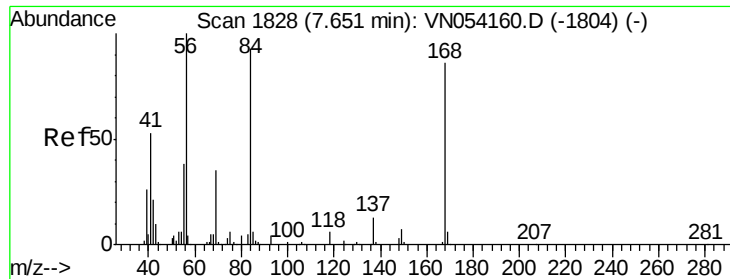


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

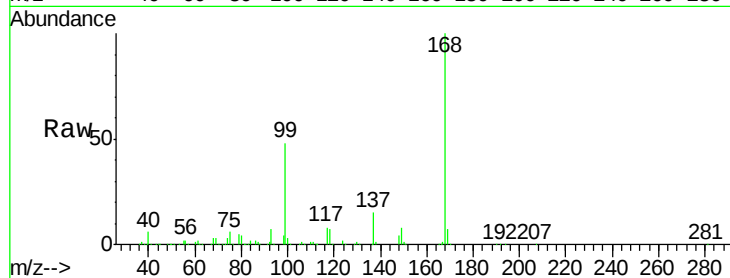




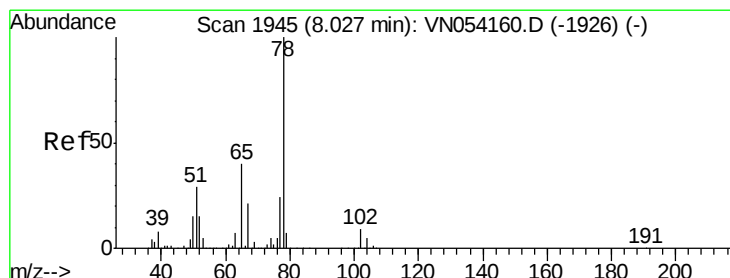
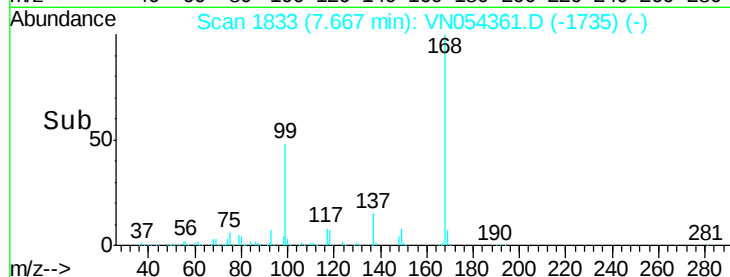
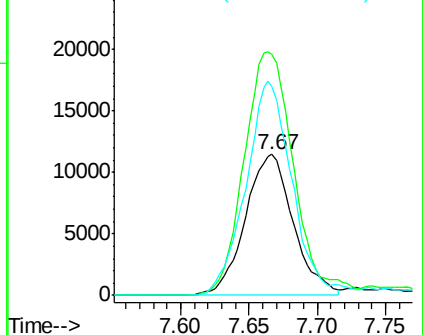
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.02 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
282-346

| Tot Ion | 56    | Resp  | 27995  |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 69      | 171.2 | 27.8  | 41.6#  |
| 84      | 148.2 | 74.6  | 111.8# |

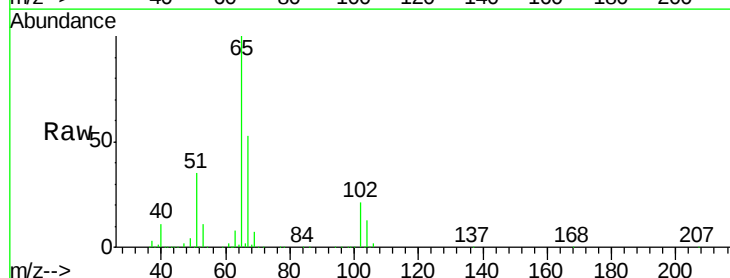


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

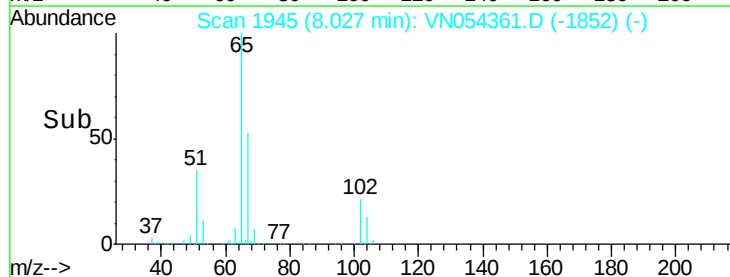
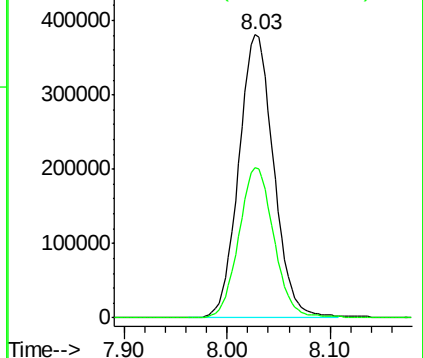


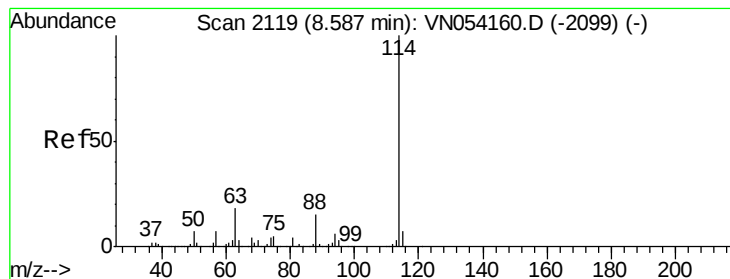
#33  
1,2-Dichloroethane-d4  
Concen: 46.008 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

| Tgt Ion | 65    | Resp  | 897854 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 53.3  | 0.0   | 104.6  |



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

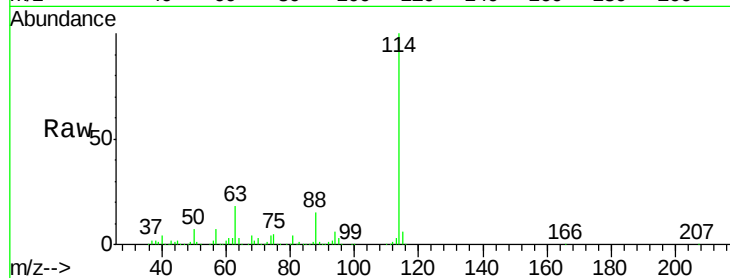
Tot Ion:114 Resp: 2638615

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.2

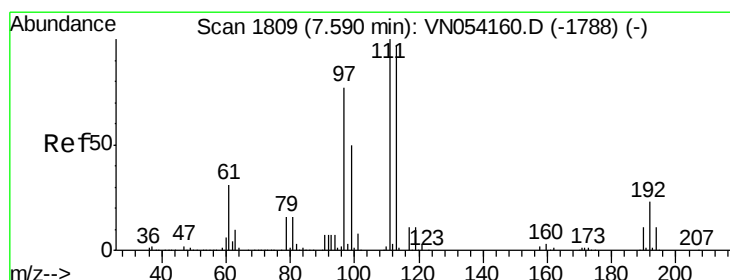
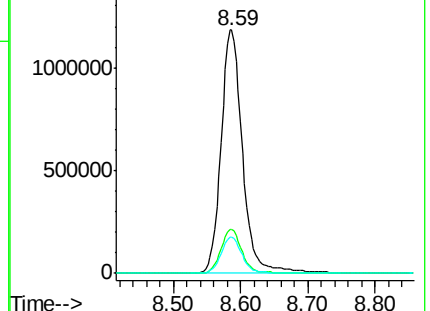
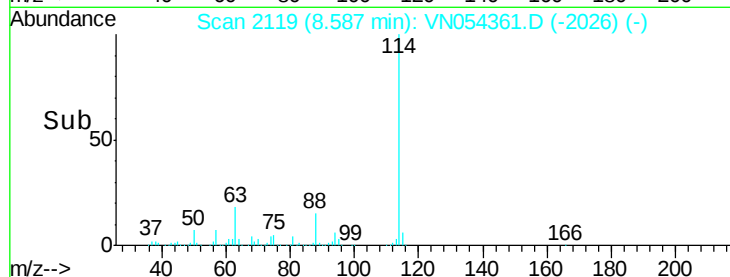
88 14.8 0.0 30.2



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: 47.745 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

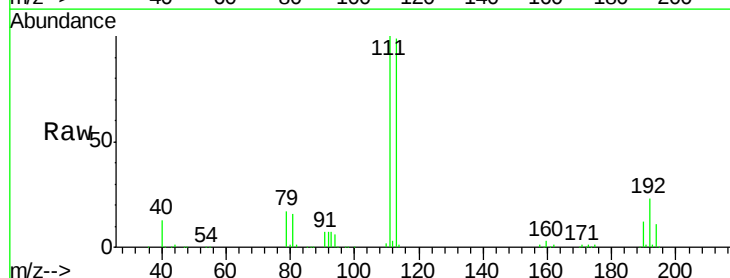
Tgt Ion:113 Resp: 812532

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

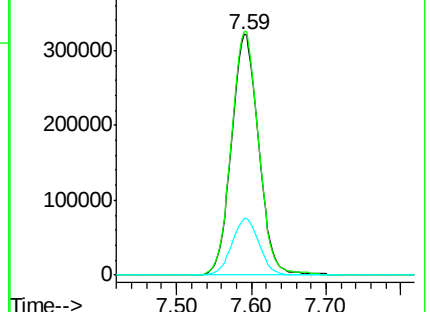
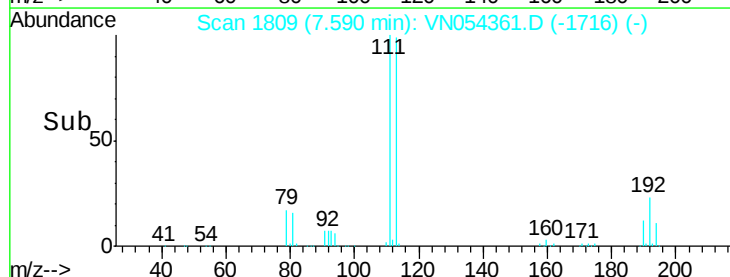
192 23.6 19.2 28.8

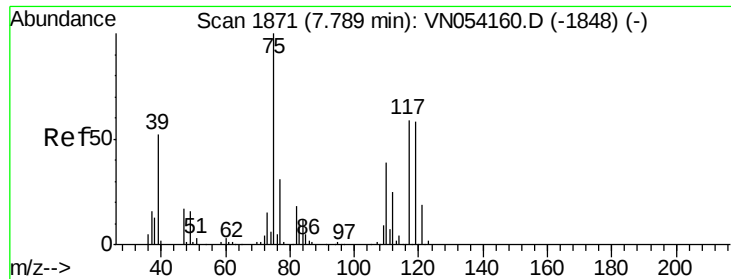


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

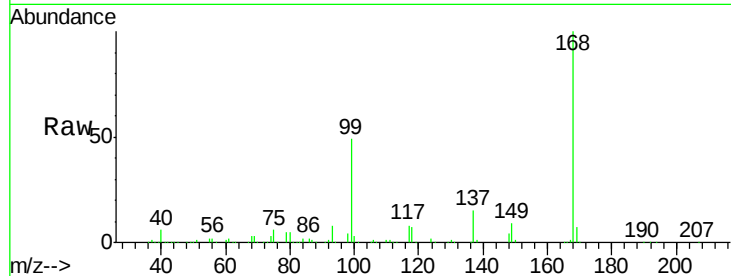




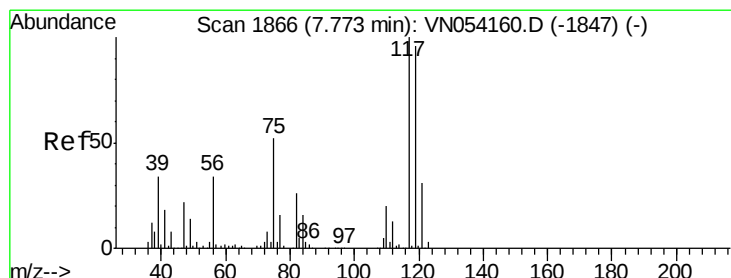
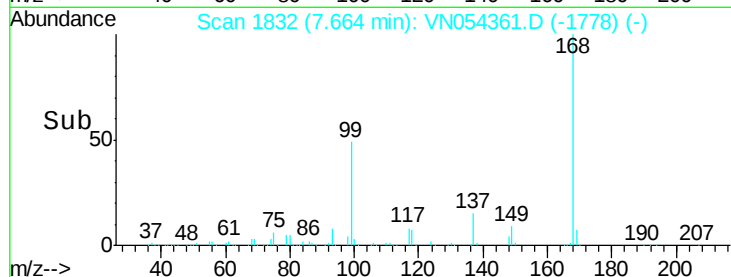
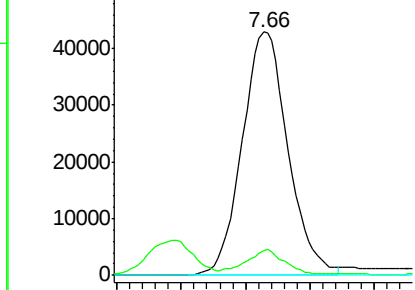
#36  
 1,1-Dichloropropene  
 Concen: 4.376 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN054361.D  
 Acq: 17 Mar 2019 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 282-346

| Tot Ion   | 75  | 110   | 77    | Resp | 106331 | Lower | Upper |
|-----------|-----|-------|-------|------|--------|-------|-------|
| Ion Ratio | 100 | 8.6   | 0.0   |      |        |       |       |
|           |     | 19.1  | 25.0  |      |        |       |       |
|           |     | 57.5# | 37.4# |      |        |       |       |

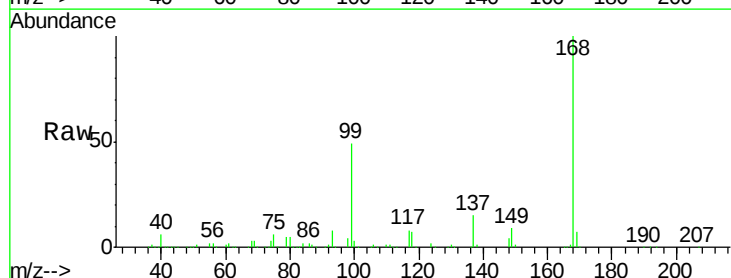


Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)  
 Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)  
 Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)

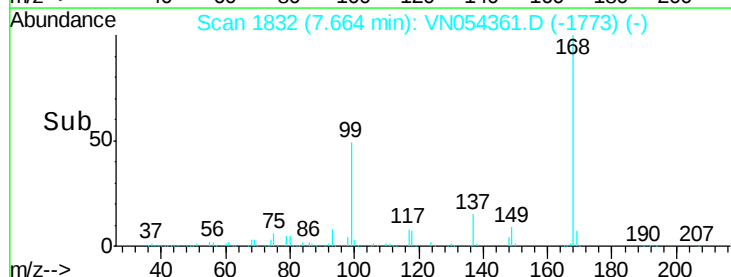
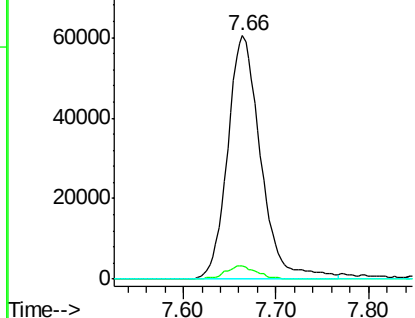


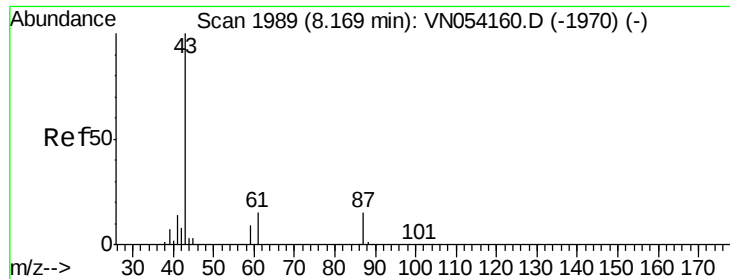
#38  
 Carbon Tetrachloride  
 Concen: 5.882 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.11 min  
 Lab File: VN054361.D  
 Acq: 17 Mar 2019 3:15

| Tgt Ion   | 117 | 119    | 121   | Resp | 149878 | Lower | Upper |
|-----------|-----|--------|-------|------|--------|-------|-------|
| Ion Ratio | 100 | 5.3    | 0.0   |      |        |       |       |
|           |     | 76.3   | 24.6  |      |        |       |       |
|           |     | 114.5# | 36.8# |      |        |       |       |



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)  
 Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)  
 Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 1.600 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

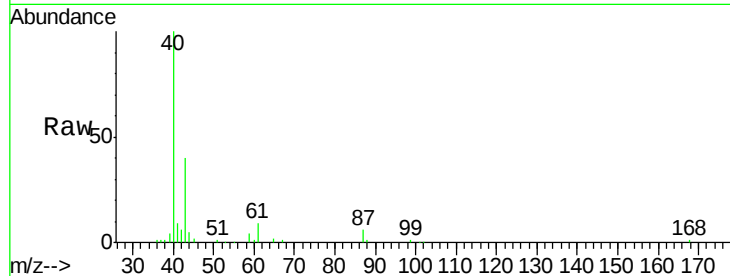
Tot Ion: 43 Resp: 39200

Ion Ratio Lower Upper

43 100

61 21.0 15.8 23.8

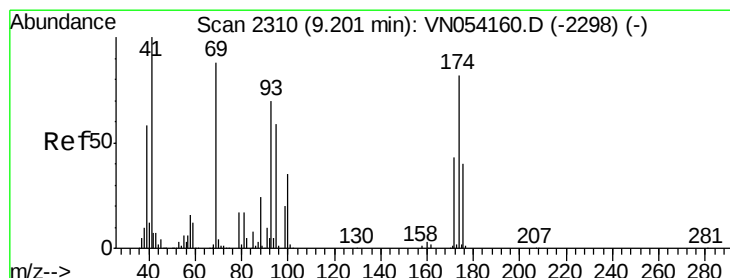
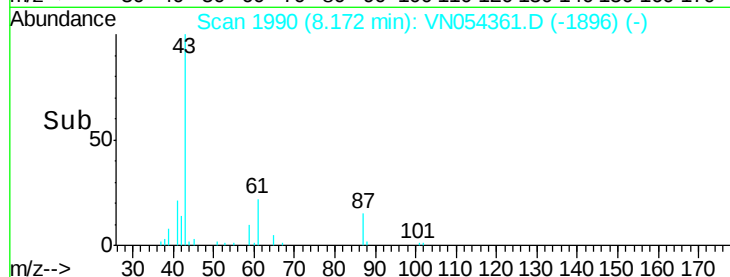
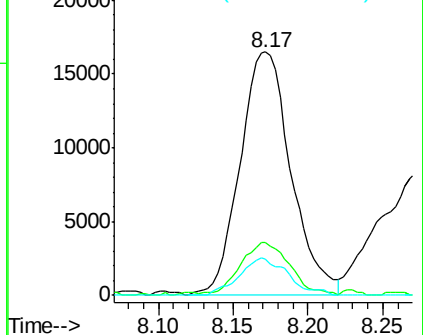
87 14.7 12.0 18.0



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



#48

Methyl methacrylate

Concen: 1.258 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

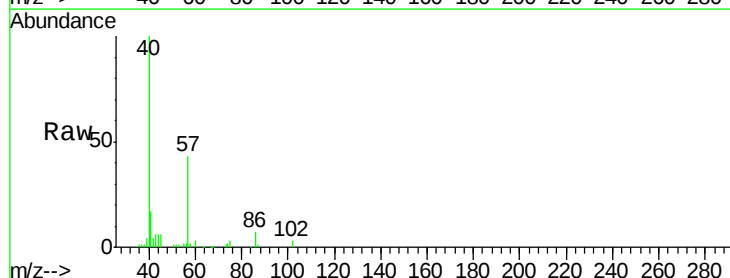
Tgt Ion: 41 Resp: 15651

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

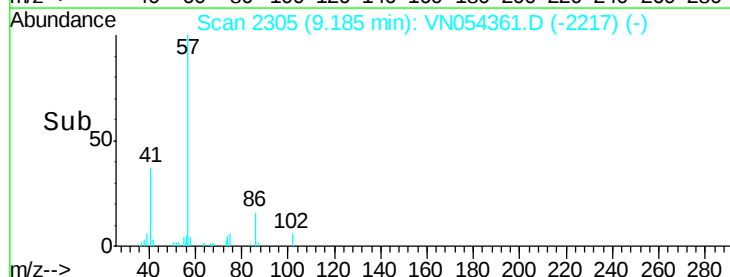
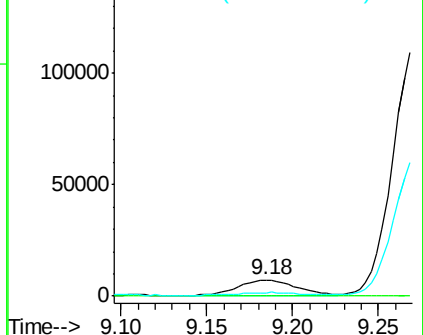
39 27.2 47.5 71.3#

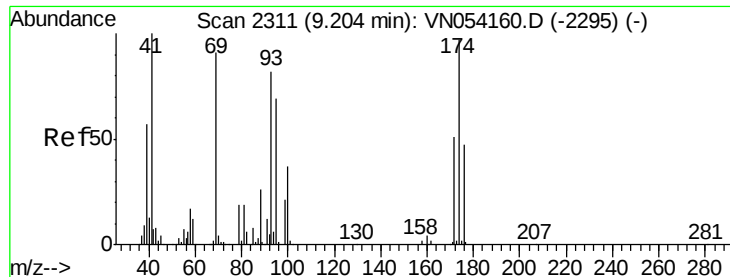


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.750 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

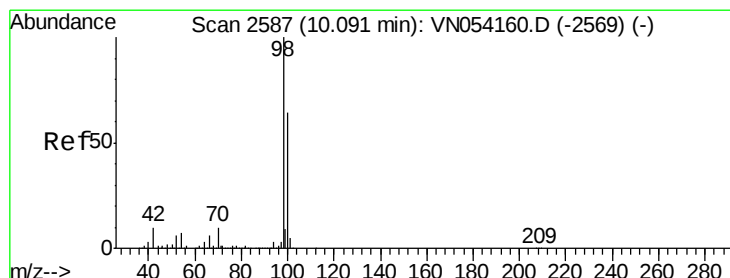
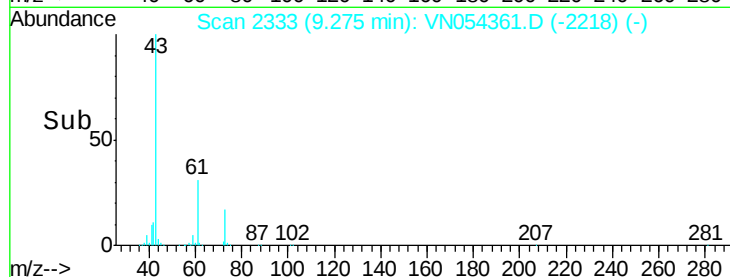
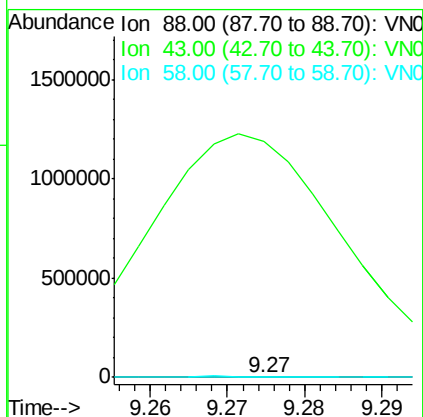
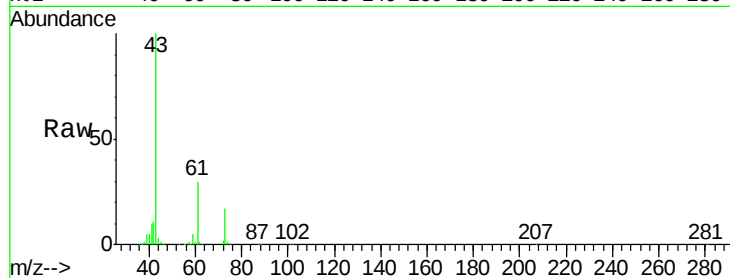
Tot Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 1799791.7 24.1 36.1#

58 7953.0 50.8 76.2#



#50

Toluene-d8

Concen: 48.218 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054361.D

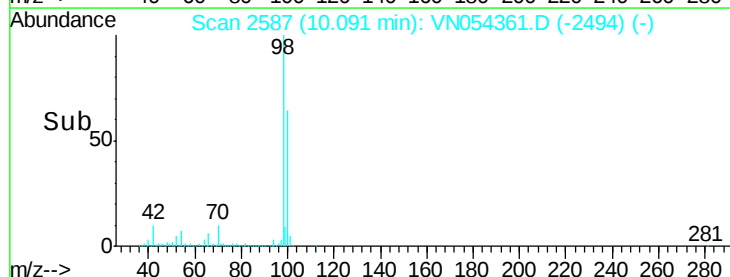
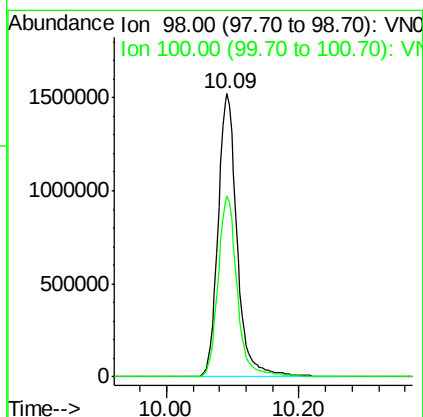
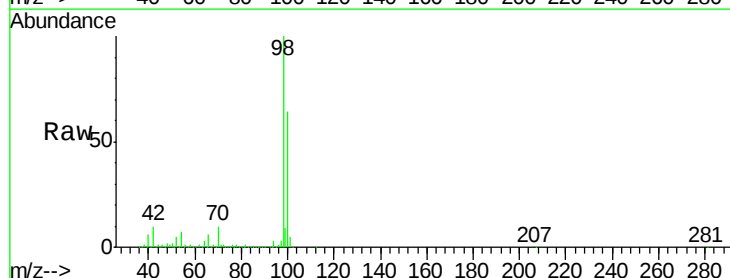
Acq: 17 Mar 2019 3:15

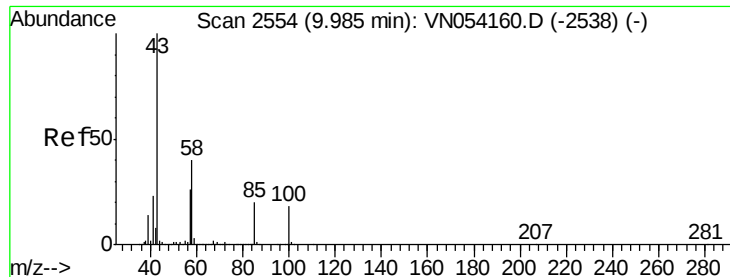
Tgt Ion: 98 Resp: 3030499

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.969 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

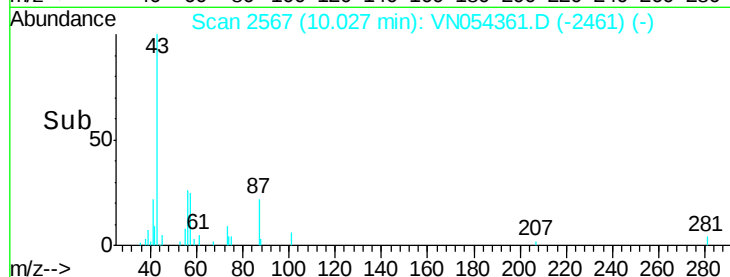
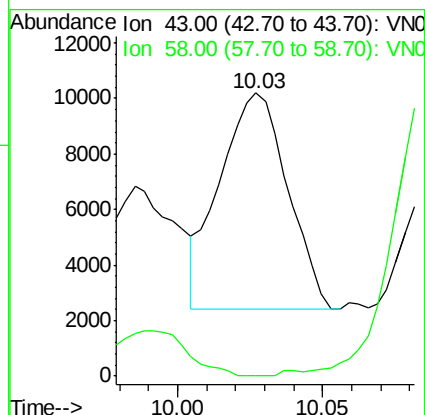
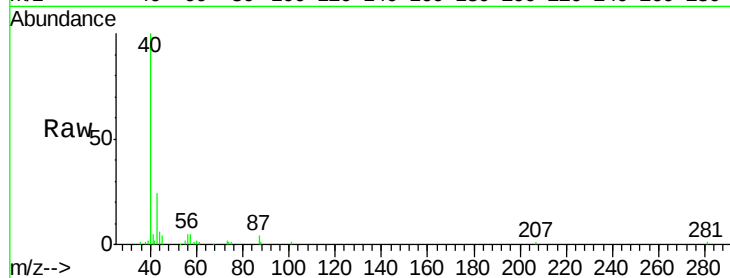
282-346

Tot Ion: 43 Resp: 12566

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 1.990 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VN054361.D

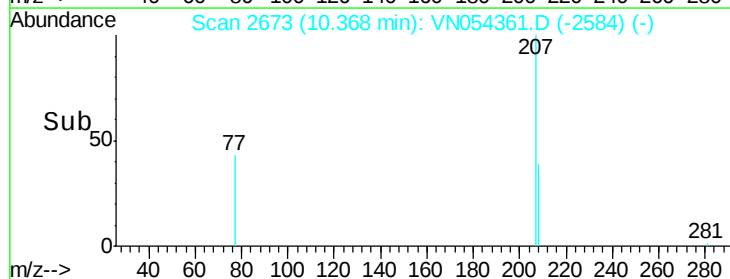
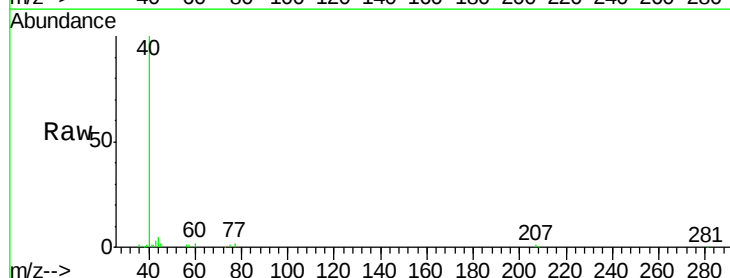
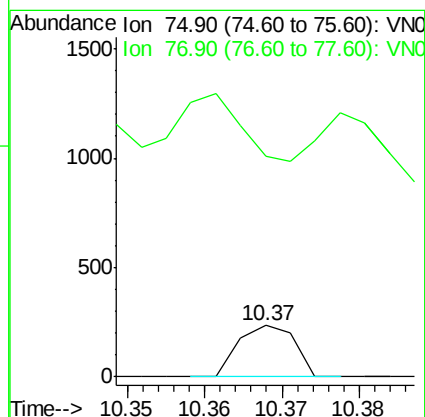
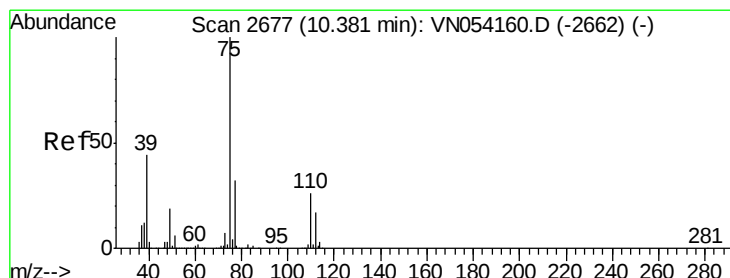
Acq: 17 Mar 2019 3:15

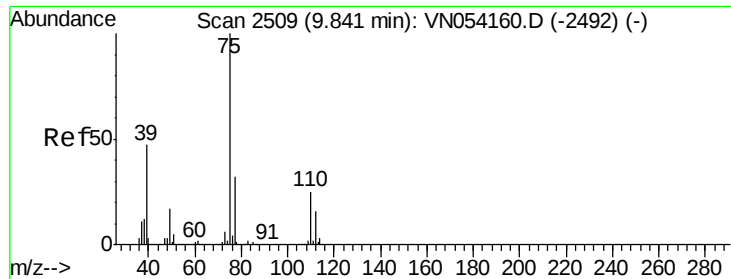
Tgt Ion: 75 Resp: 119

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



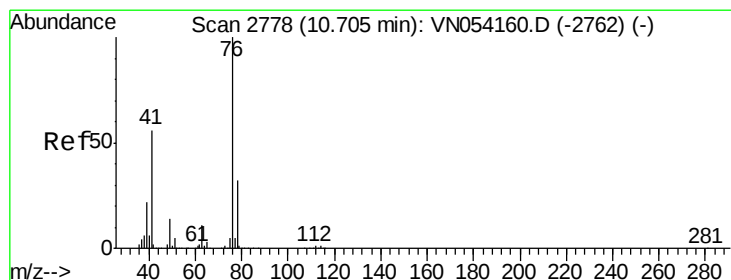
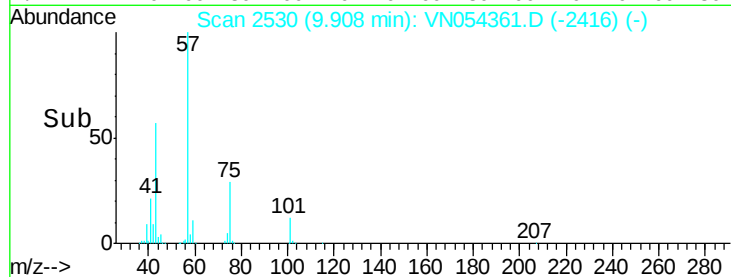
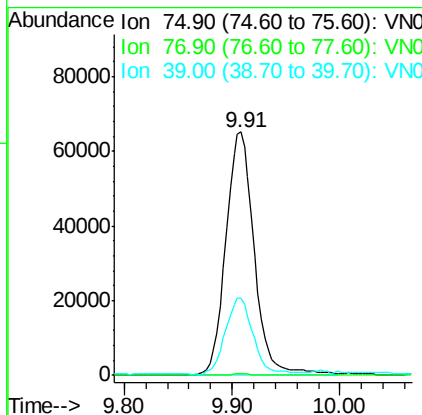
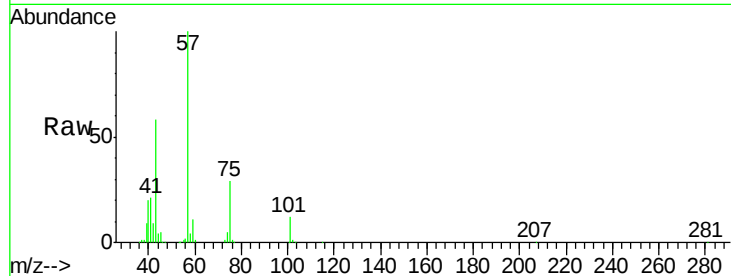


#54

cis-1,3-Dichloropropene  
 Concen: 4.402 ug/l  
 RT: 9.91 min Scan# 2530  
 Delta R.T. 0.07 min  
 Lab File: VN054361.D  
 Acq: 17 Mar 2019 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 282-346

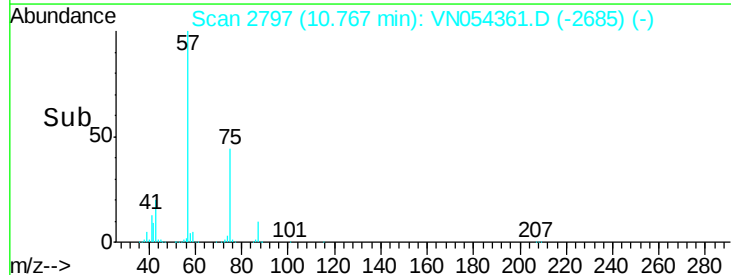
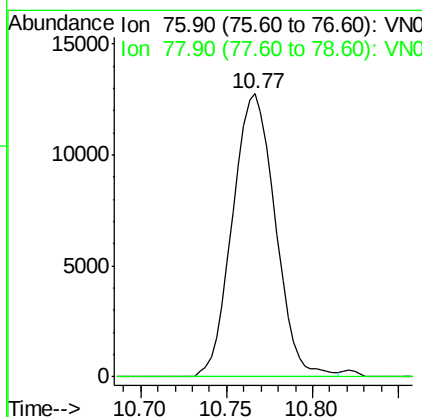
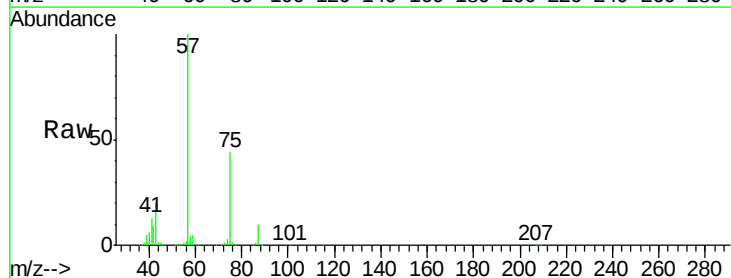
Tot Ion: 75 Resp: 119969  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.4 38.0#  
 39 31.4 37.2 55.8#

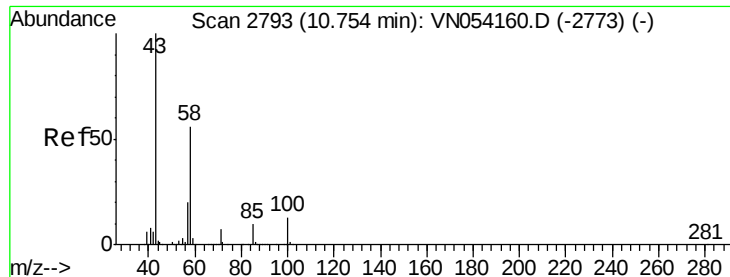


#57

1,3-Dichloropropane  
 Concen: 0.838 ug/l  
 RT: 10.77 min Scan# 2797  
 Delta R.T. 0.06 min  
 Lab File: VN054361.D  
 Acq: 17 Mar 2019 3:15

Tgt Ion: 76 Resp: 22065  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.7 38.5#

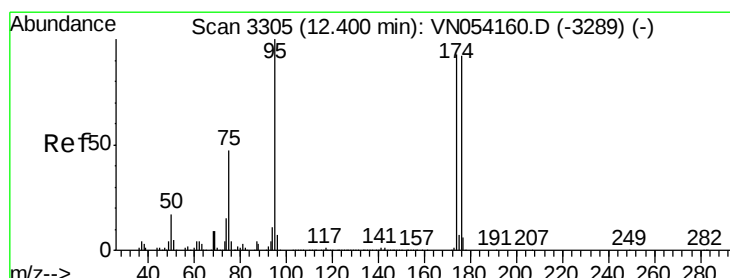
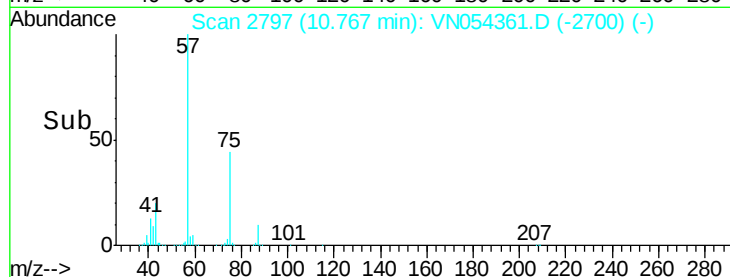
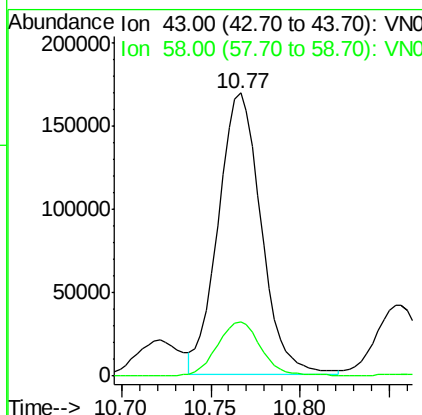
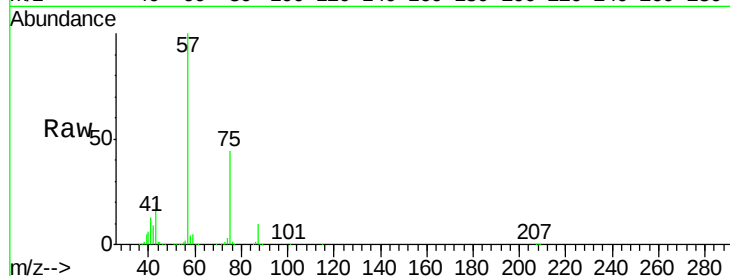




#59  
2-Hexanone  
Concen: 33.008 ug/l  
RT: 10.77 min Scan# 2797  
Delta R.T. 0.01 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

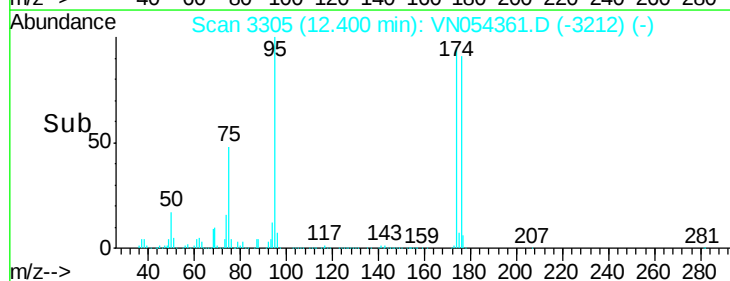
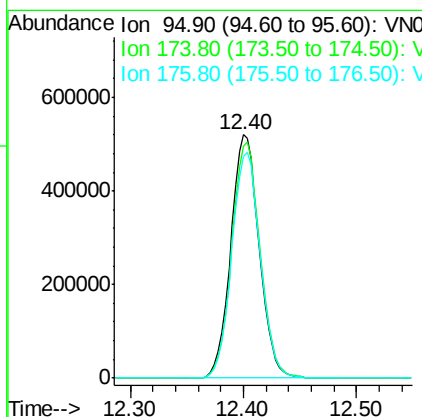
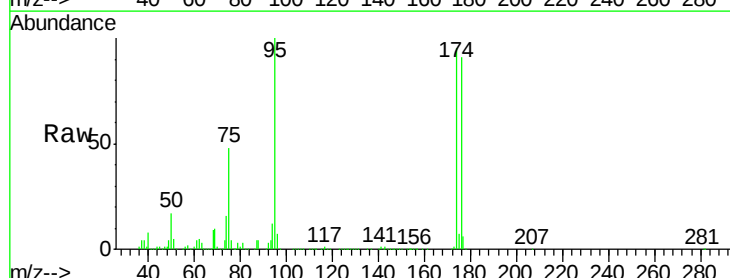
Instrument :  
MSVOA\_N  
ClientSampleId :  
282-346

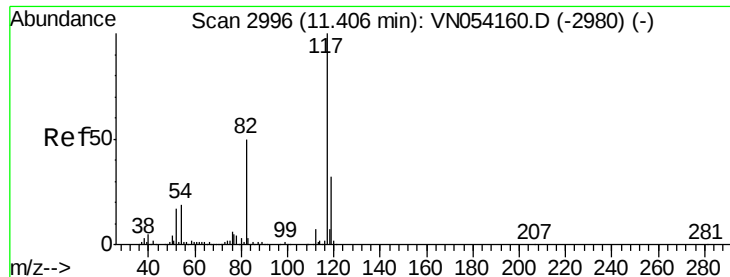
Tot Ion: 43 Resp: 284852  
Ion Ratio Lower Upper  
43 100  
58 19.9 28.0 83.9#



#62  
4-Bromofluorobenzene  
Concen: 41.264 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion: 95 Resp: 907456  
Ion Ratio Lower Upper  
95 100  
174 97.2 0.0 191.0  
176 93.4 0.0 187.4

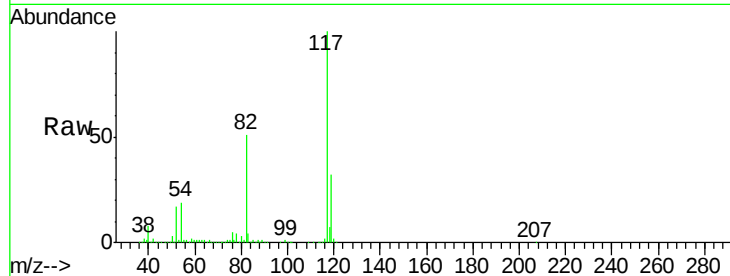




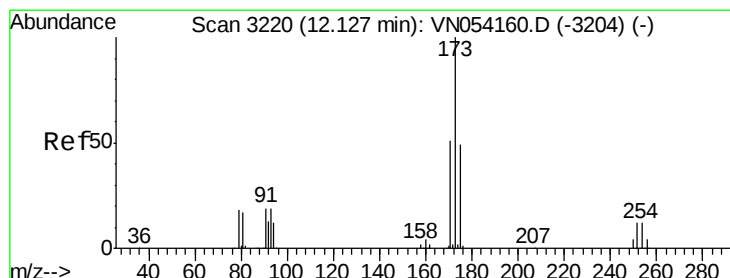
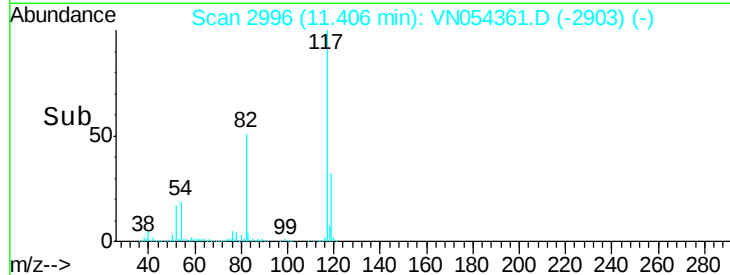
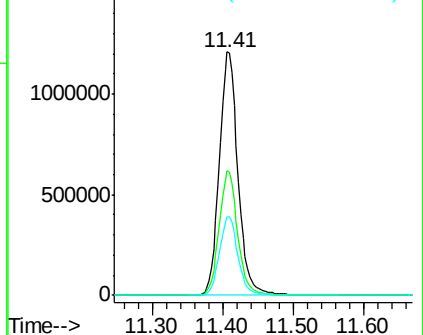
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
282-346

Tot Ion:117 Resp: 2226873  
Ion Ratio Lower Upper  
117 100  
82 51.1 40.0 60.0  
119 32.5 25.8 38.6

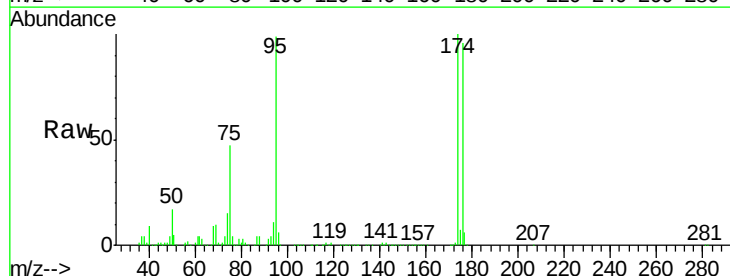


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

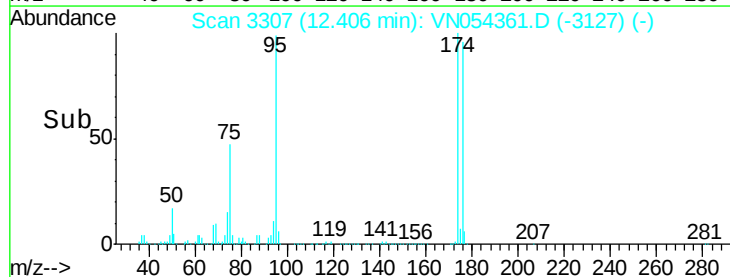
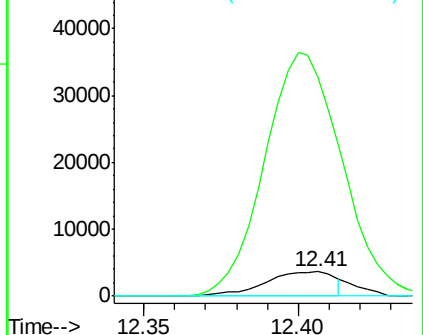


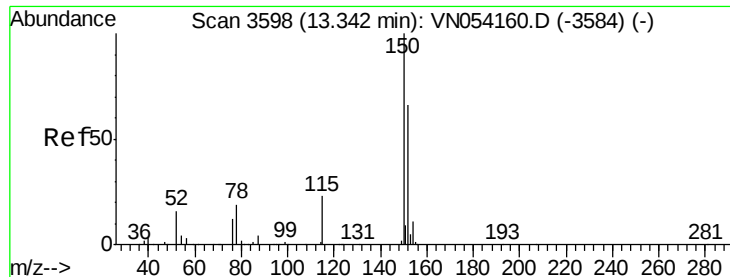
#71  
Bromoform  
Concen: 2.750 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.28 min  
Lab File: VN054361.D  
Acq: 17 Mar 2019 3:15

Tgt Ion:173 Resp: 5681  
Ion Ratio Lower Upper  
173 100  
175 956.9 24.4 73.2#  
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

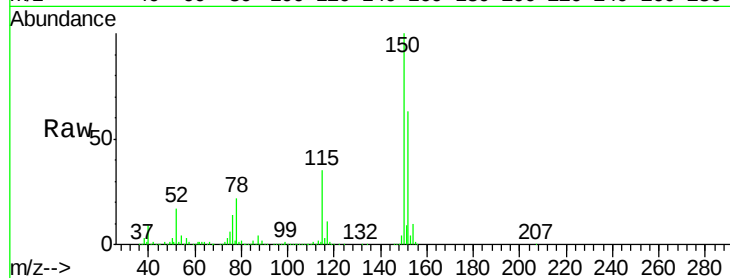
Tot Ion:152 Resp: 831430

Ion Ratio Lower Upper

152 100

115 55.4 27.2 81.6

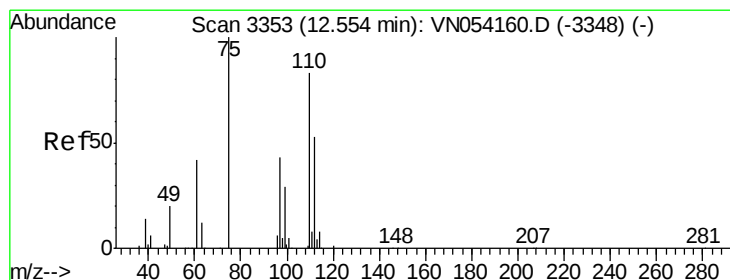
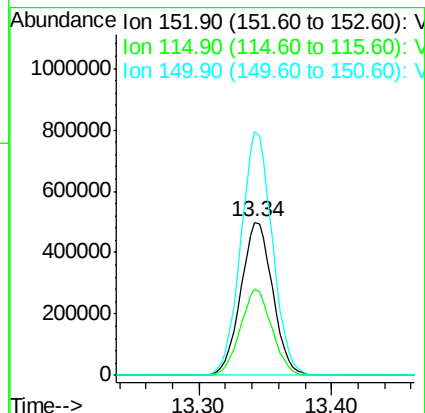
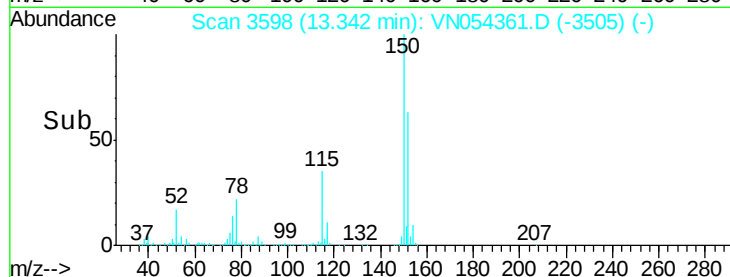
150 157.8 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 35.540 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054361.D

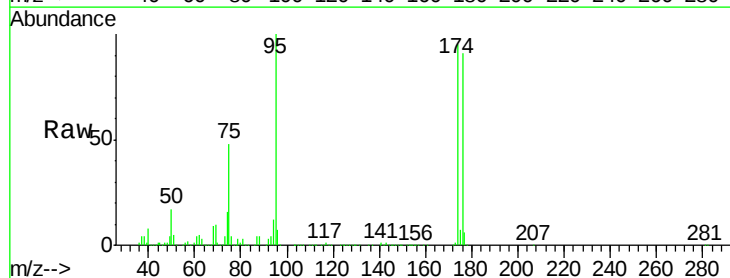
Acq: 17 Mar 2019 3:15

Tgt Ion: 75 Resp: 434537

Ion Ratio Lower Upper

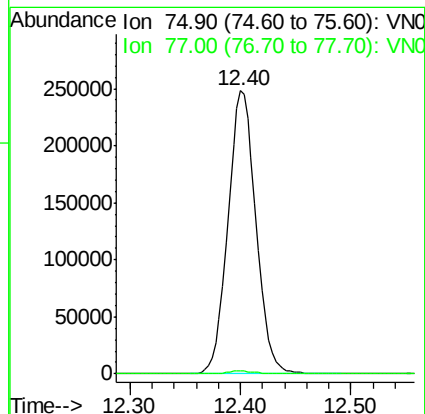
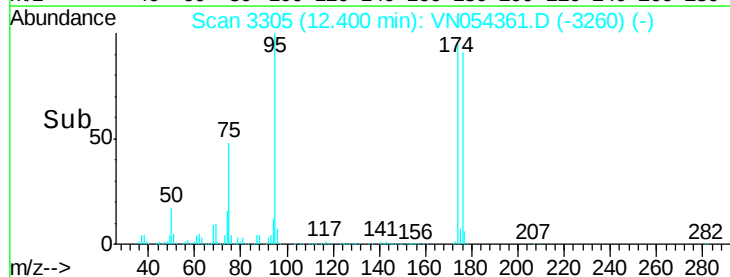
75 100

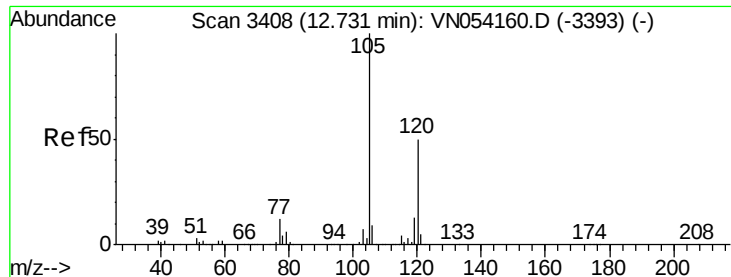
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.293 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampled :

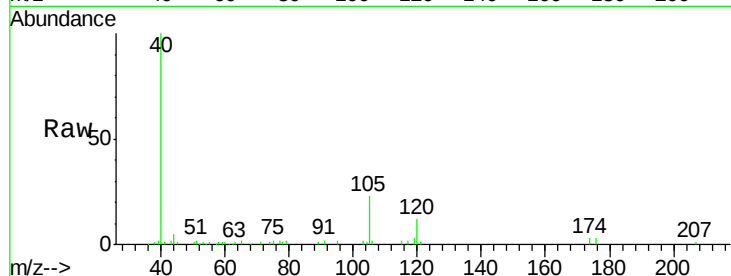
282-346

Tot Ion:105 Resp: 16236

Ion Ratio Lower Upper

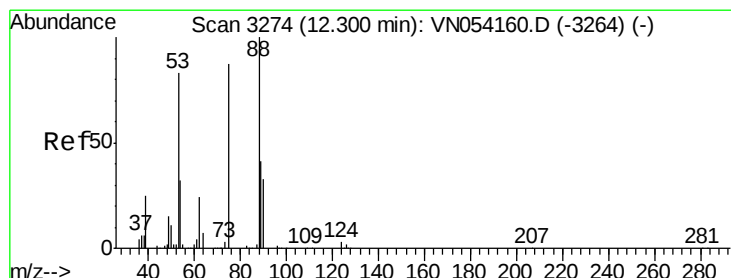
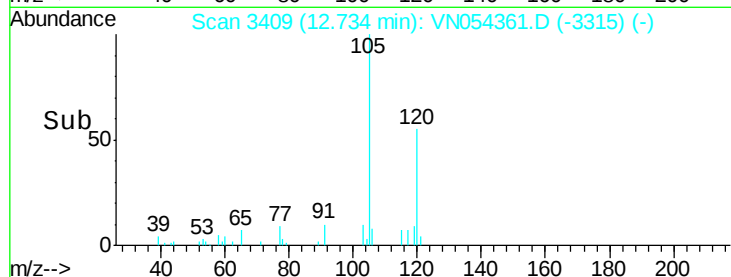
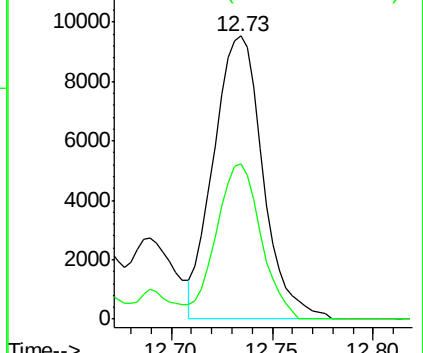
105 100

120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 121.493 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

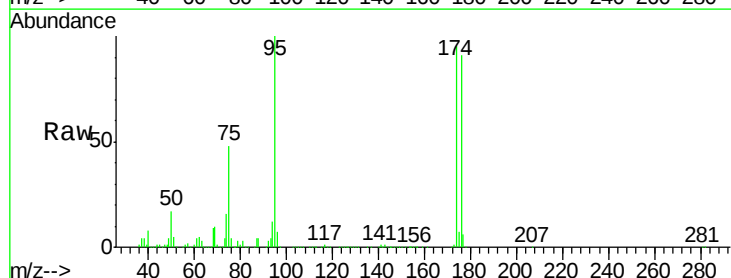
Tgt Ion: 75 Resp: 434537

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

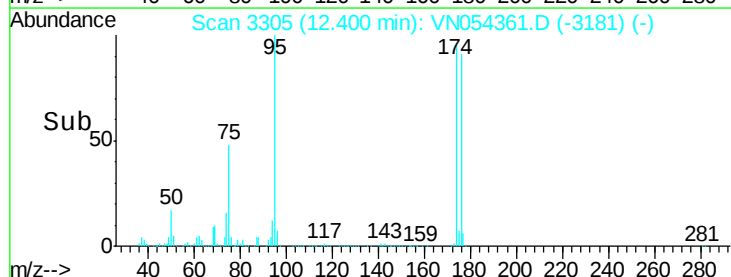
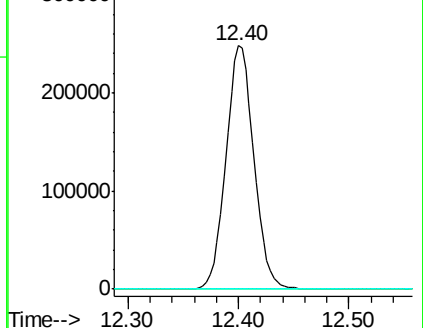
89 0.0 39.2 58.8#

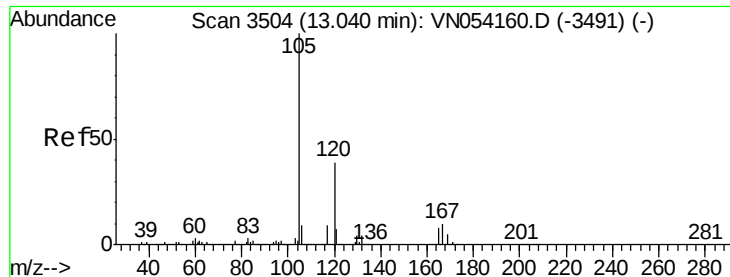


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.472 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

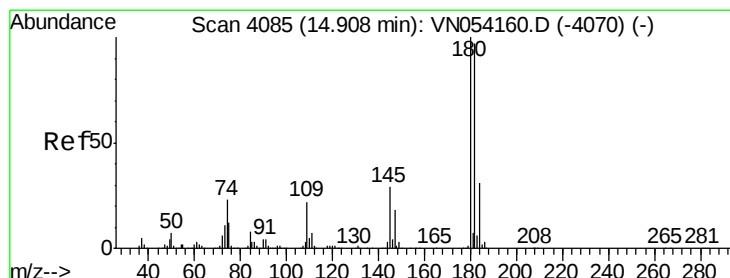
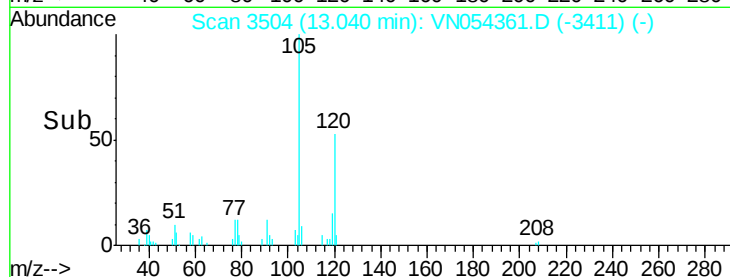
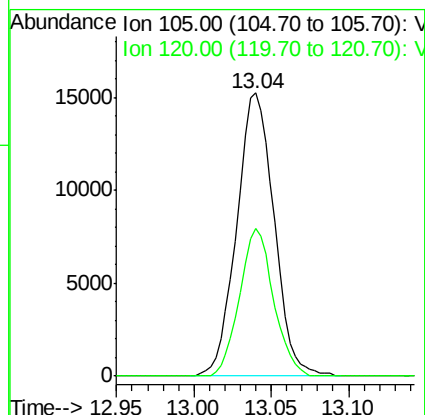
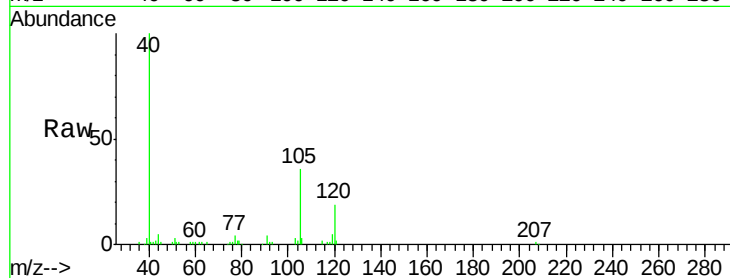
282-346

Tot Ion:105 Resp: 25631

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.3



#93

1,2,4-Trichlorobenzene

Concen: 2.600 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

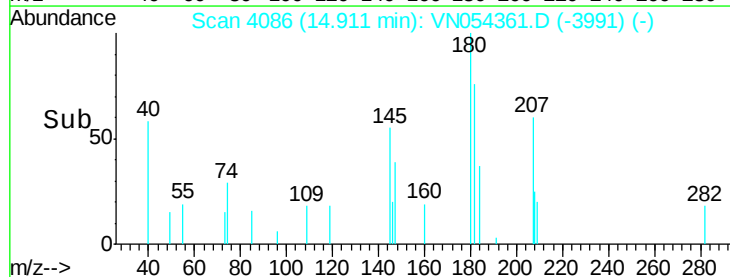
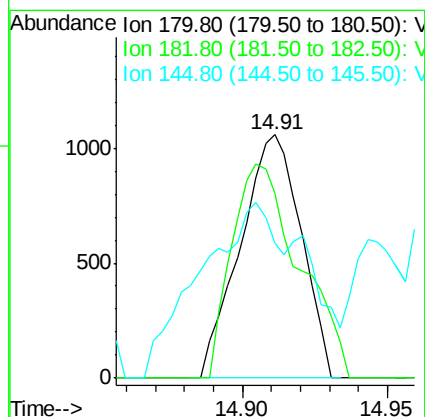
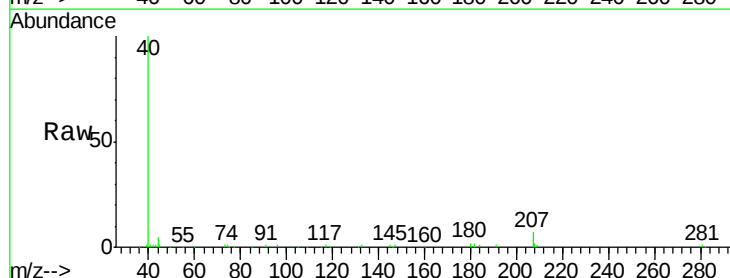
Tgt Ion:180 Resp: 1540

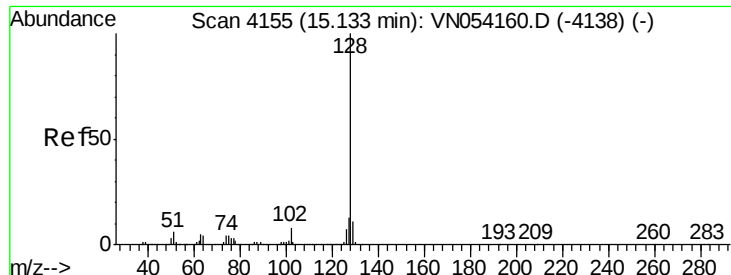
Ion Ratio Lower Upper

180 100

182 97.9 48.0 144.2

145 93.0 14.2 42.8#





#95

Naphthalene

Concen: 6.294 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054361.D

Acq: 17 Mar 2019 3:15

Instrument :

MSVOA\_N

ClientSampleId :

282-346

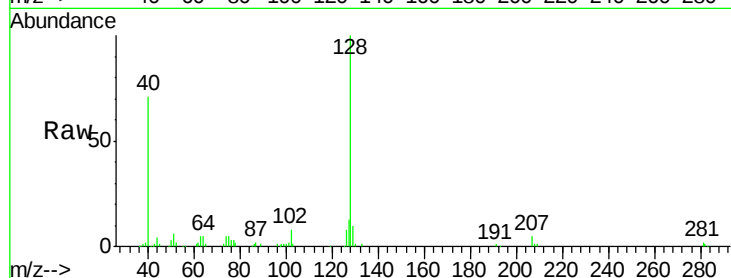
Tot Ion:128 Resp: 110675

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

129 10.4 8.7 13.1



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

