

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\  
 Data File : VN059339.D  
 Acq On : 21 Nov 2019 16:34  
 Operator : JC/SP  
 Sample : K5957-04ME  
 Misc : 4.33µl/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-(20-22)ME

Quant Time: Nov 22 06:03:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc      | Units     | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-----------|----------|
| 1) Pentafluorobenzene         | 7.64   | 168  | 1078     | 50.00     | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.57   | 114  | 2288     | 50.00     | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.40  | 117  | 3807     | 50.00     | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.32  | 152  | 129671   | 50.00     | ug/l      | -0.03    |
| System Monitoring Compounds   |        |      |          |           |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.00   | 65   | 1539     | 118.99    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 237.98%   |          |
| 35) Dibromofluoromethane      | 7.57   | 113  | 420      | 30.60     | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 61.20%    |          |
| 50) Toluene-d8                | 10.08  | 98   | 96771    | 1773.35   | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 3546.70%  |          |
| 62) 4-Bromofluorobenzene      | 12.39  | 95   | 830580   | 43530.08  | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =         | 87060.16% |          |
| Target Compounds              |        |      |          |           |           |          |
|                               |        |      |          |           | Qvalue    |          |
| 3) Chloromethane              | 2.03   | 50   | 576      | 34.069    | ug/l #    | 85       |
| 5) Bromomethane               | 2.57   | 94   | 289      | 29.905    | ug/l #    | 79       |
| 6) Chloroethane               | 2.59   | 64   | 478      | 50.315    | ug/l #    | 44       |
| 10) Methyl Iodide             | 3.91   | 142  | 29       | 2.036     | ug/l #    | 41       |
| 11) Tert butyl alcohol        | 4.71   | 59   | 12046    | 4651.659  | ug/l #    | 73       |
| 13) Acrolein                  | 3.58   | 56   | 116      | 49.071    | ug/l      | 84       |
| 14) Allyl chloride            | 4.30   | 41   | 297      | 13.665    | ug/l #    | 53       |
| 15) Acrylonitrile             | 5.00   | 53   | 137      | 20.009    | ug/l #    | 18       |
| 16) Acetone                   | 3.82   | 43   | 950      | 163.808   | ug/l      | 92       |
| 17) Carbon Disulfide          | 4.00   | 76   | 3105     | 85.056    | ug/l #    | 81       |
| 18) Methyl Acetate            | 4.29   | 43   | 917      | 47.644    | ug/l #    | 53       |
| 20) Methylene Chloride        | 4.51   | 84   | 673      | 51.453    | ug/l #    | 65       |
| 23) Vinyl Acetate             | 5.88   | 43   | 95       | 2.952     | ug/l #    | 73       |
| 25) 2-Butanone                | 6.80   | 43   | 358      | 39.698    | ug/l #    | 49       |
| 30) Chloroform                | 7.35   | 83   | 1745     | 78.147    | ug/l      | 98       |
| 31) Cyclohexane               | 7.62   | 56   | 22722    | 997.682   | ug/l #    | 72       |
| 37) Ethyl Acetate             | 6.86   | 43   | 97       | 3.821     | ug/l #    | 68       |
| 39) Methylcyclohexane         | 9.07   | 83   | 200865   | 7052.221  | ug/l      | 97       |
| 40) Benzene                   | 8.02   | 78   | 407      | 5.871     | ug/l #    | 53       |
| 41) Methacrylonitrile         | 7.18   | 41   | 70       | 6.212     | ug/l #    | 100      |
| 43) Isopropyl Acetate         | 8.13   | 43   | 9378     | 241.730   | ug/l #    | 54       |
| 44) Trichloroethene           | 8.82   | 130  | 841      | 47.867    | ug/l      | 80       |
| 45) 1,2-Dichloropropane       | 9.06   | 63   | 1615     | 87.363    | ug/l #    | 1        |
| 46) Dibromomethane            | 9.36   | 93   | 211      | 18.608    | ug/l #    | 1        |
| 47) Bromodichloromethane      | 9.35   | 83   | 5326     | 234.536   | ug/l #    | 64       |
| 48) Methyl methacrylate       | 9.26   | 41   | 11530    | 653.548   | ug/l #    | 37       |
| 51) 4-Methyl-2-Pentanone      | 10.08  | 43   | 81774    | 3601.100  | ug/l #    | 39       |
| 52) Toluene                   | 10.15  | 92   | 904      | 21.687    | ug/l #    | 1        |
| 53) t-1,3-Dichloropropene     | 10.38  | 75   | 490      | 18.562    | ug/l #    | 1        |
| 54) cis-1,3-Dichloropropene   | 9.84   | 75   | 126      | 4.399     | ug/l #    | 1        |
| 55) 1,1,2-Trichloroethane     | 10.53  | 97   | 483359   | 29823.666 | ug/l #    | 18       |
| 56) Ethyl methacrylate        | 10.43  | 69   | 224421   | 7841.466  | ug/l #    | 1        |
| 57) 1,3-Dichloropropane       | 10.71  | 76   | 150      | 5.310     | ug/l #    | 1        |
| 58) 2-Chloroethyl Vinyl ether | 9.72   | 63   | 1827     | 188.055   | ug/l #    | 49       |

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 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

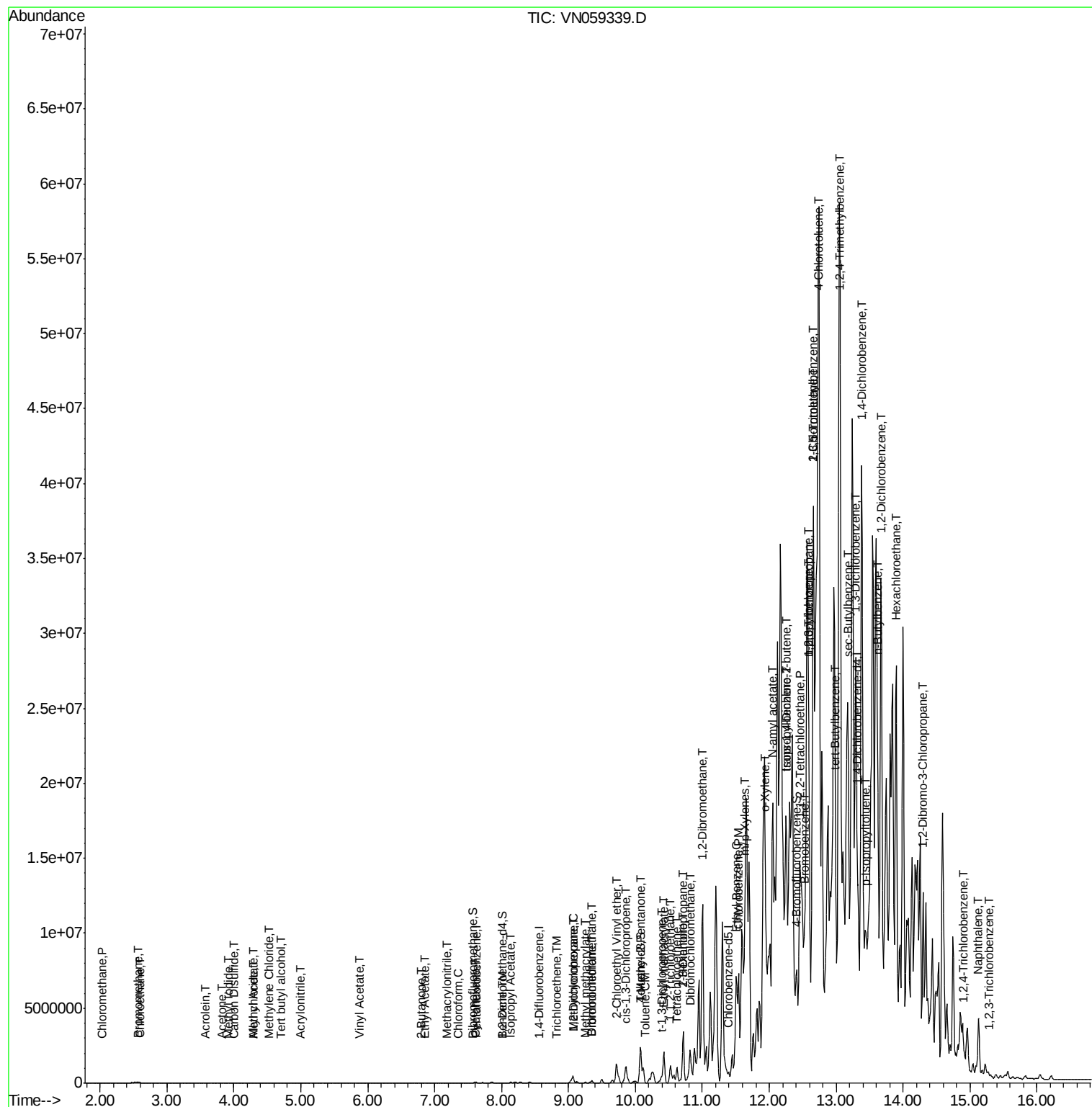
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 59) 2-Hexanone                 | 10.72 | 43   | 1408513  | 84708.124 | ug/l # | 28       |
| 60) Dibromochloromethane       | 10.82 | 129  | 3044     | 178.233   | ug/l   | 63       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 1657     | 98.259    | ug/l # | 1        |
| 64) Tetrachloroethene          | 10.63 | 164  | 12045    | 409.086   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.54 | 112  | 132185   | 1614.795  | ug/l # | 42       |
| 67) Ethyl Benzene              | 11.51 | 91   | 4041477  | 27651.343 | ug/l # | 86       |
| 68) m/p-Xylenes                | 11.63 | 106  | 1524994  | 28079.617 | ug/l   | 96       |
| 69) o-Xylene                   | 11.95 | 106  | 14692    | 282.574   | ug/l # | 1        |
| 73) Isopropylbenzene           | 12.25 | 105  | 5063087  | 476.640   | ug/l   | 82       |
| 74) N-amyl acetate             | 12.05 | 43   | 3568644  | 835.934   | ug/l # | 50       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.47 | 83   | 669115   | 190.420   | ug/l # | 54       |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75   | 118023   | 39.397    | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 4719     | 1.832     | ug/l # | 1        |
| 78) n-propylbenzene            | 12.60 | 91   | 8105283  | 673.614   | ug/l # | 43       |
| 79) 2-Chlorotoluene            | 12.66 | 91   | 3068701  | 415.499   | ug/l # | 41       |
| 80) 1,3,5-Trimethylbenzene     | 12.66 | 105  | 7915674  | 886.456   | ug/l   | 71       |
| 81) trans-1,4-Dichloro-2-buten | 12.25 | 75   | 74224    | 61.970    | ug/l # | 5        |
| 82) 4-Chlorotoluene            | 12.74 | 91   | 3038964  | 397.626   | ug/l # | 49       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 1366205  | 181.154   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 12167708 | 1391.036  | ug/l # | 40       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 6457163  | 637.029   | ug/l # | 19       |
| 86) p-Isopropyltoluene         | 13.45 | 119  | 2223146  | 246.470   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 1186     | 0.258     | ug/l # | 63       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 5579     | 1.229     | ug/l # | 1        |
| 89) n-Butylbenzene             | 13.62 | 91   | 8994537  | 1136.736  | ug/l # | 78       |
| 90) Hexachloroethane           | 13.90 | 117  | 1490062  | 872.283   | ug/l # | 9        |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 2324     | 0.524     | ug/l # | 24       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.30 | 75   | 30704    | 41.099    | ug/l # | 3        |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2796     | 3.892     | ug/l # | 1        |
| 95) Naphthalene                | 15.13 | 128  | 3009794  | 371.908   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 15.29 | 180  | 1980     | 2.604     | ug/l # | 53       |

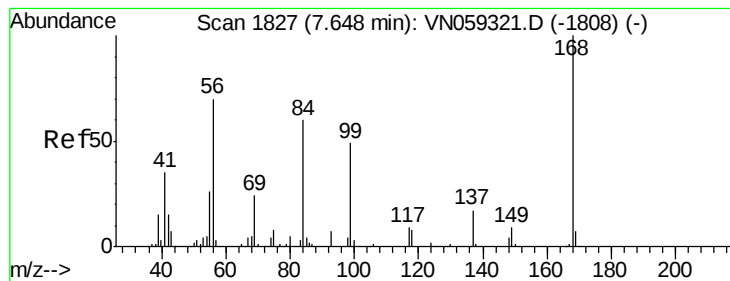
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

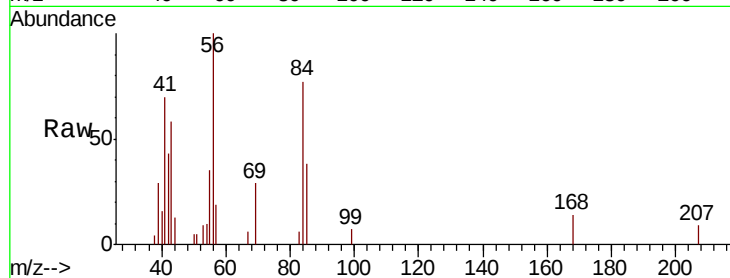
MW-2-(20-22)ME

Tot Ion:168 Resp: 1078

Ion Ratio Lower Upper

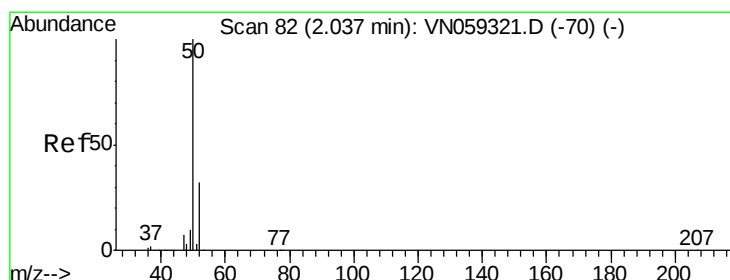
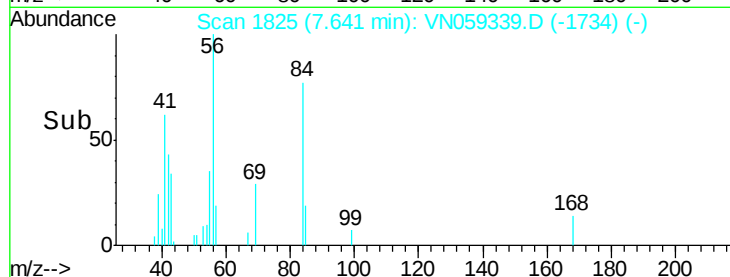
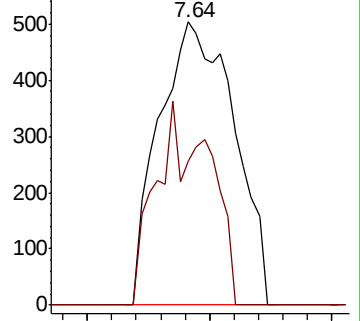
168 100

99 50.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 34.069 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059339.D

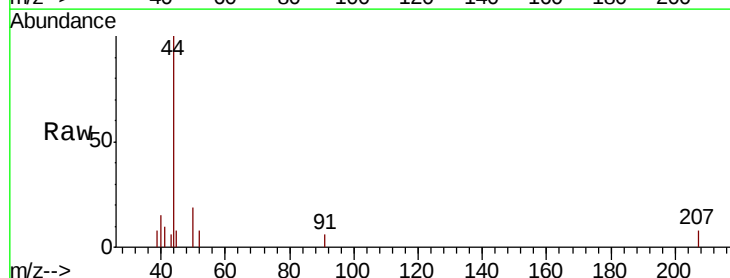
Acq: 21 Nov 2019 16:34

Tgt Ion: 50 Resp: 576

Ion Ratio Lower Upper

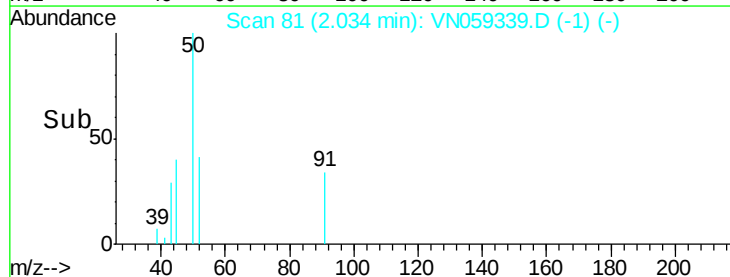
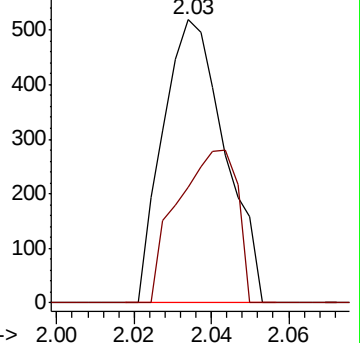
50 100

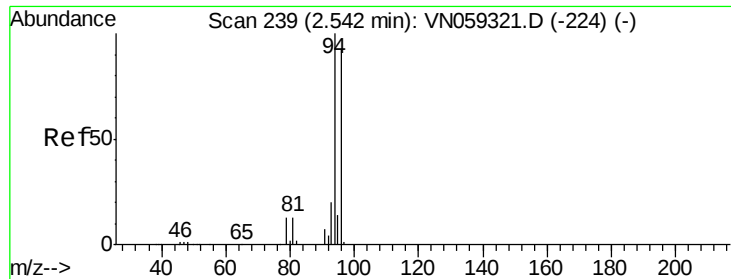
52 40.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 29.905 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

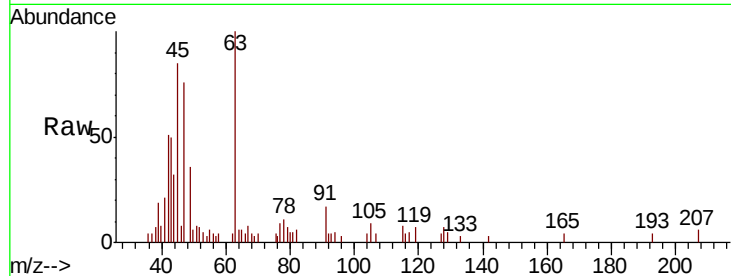
MW-2-(20-22)ME

Tot Ion: 94 Resp: 289

Ion Ratio Lower Upper

94 100

96 73.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250

200

150

100

50

0

2.54

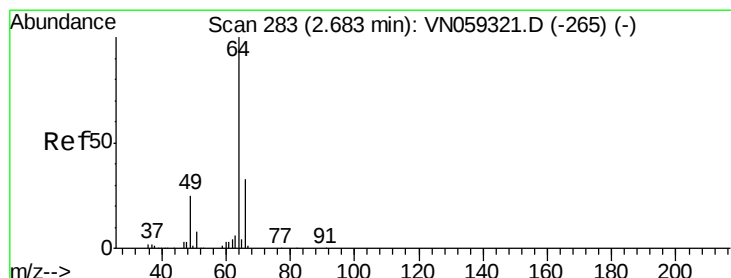
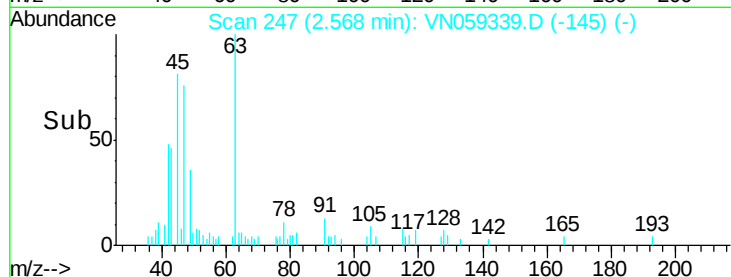
2.56

2.57

2.58

2.60

Time-->



#6

Chloroethane

Concen: 50.315 ug/l

RT: 2.59 min Scan# 255

Delta R.T. -0.09 min

Lab File: VN059339.D

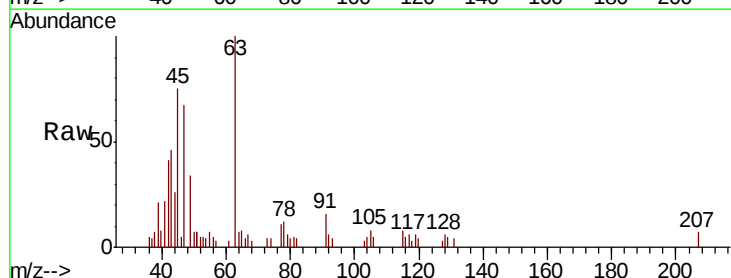
Acq: 21 Nov 2019 16:34

Tgt Ion: 64 Resp: 478

Ion Ratio Lower Upper

64 100

66 64.3 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

400

300

200

100

0

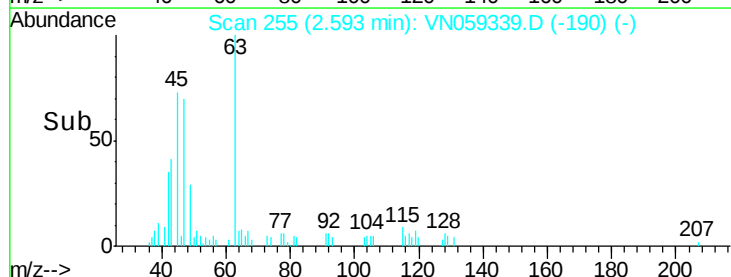
2.58

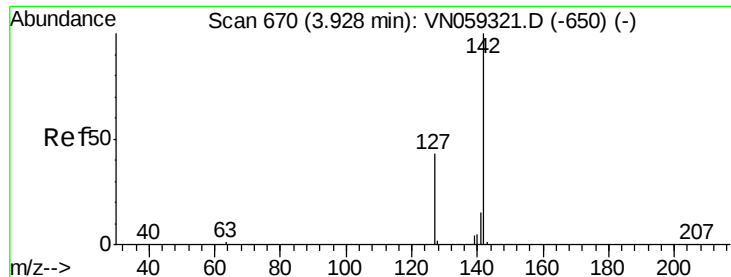
2.59

2.60

2.62

Time-->

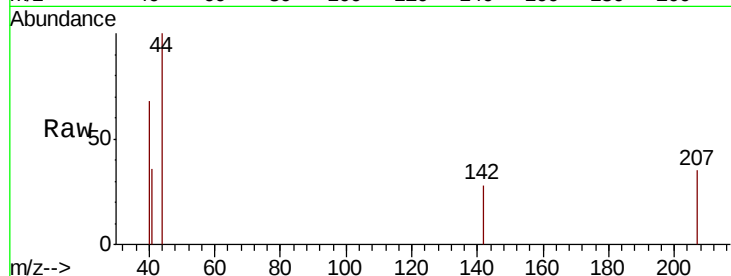




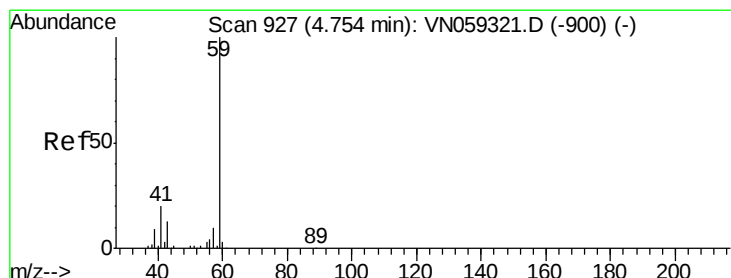
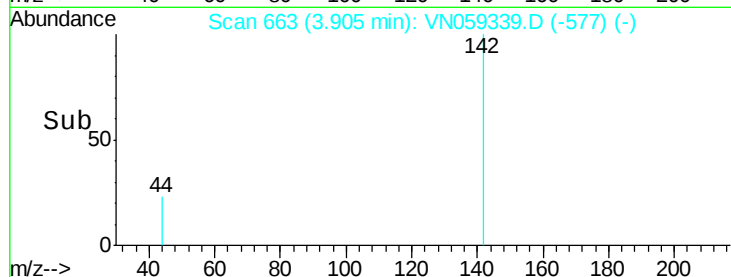
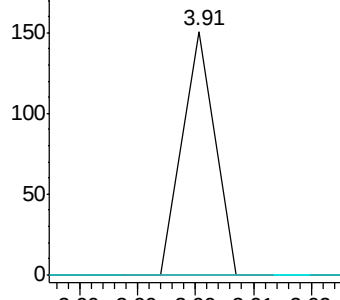
#10  
Methvl Iodide  
Concen: 2.036 ug/l  
RT: 3.91 min Scan# 663  
Delta R.T. -0.02 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

Tot Ion:142 Resp: 29  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.8 50.6#  
141 0.0 11.2 16.8#

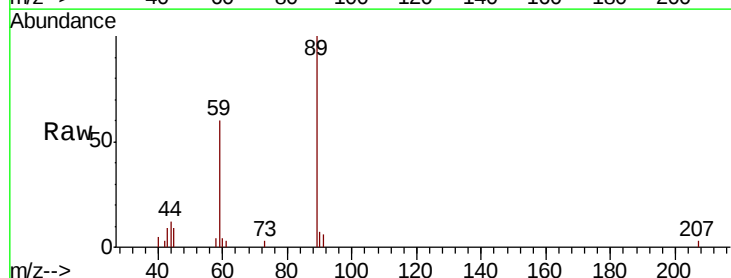


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

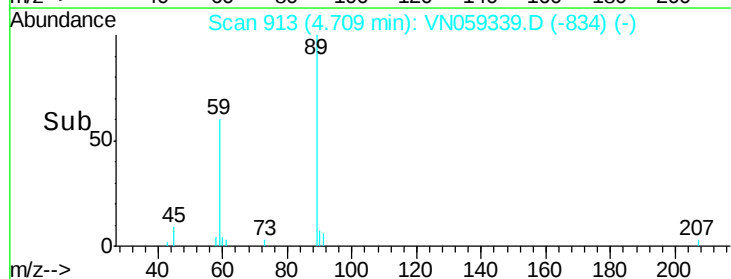
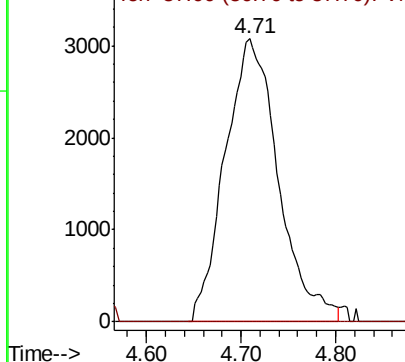


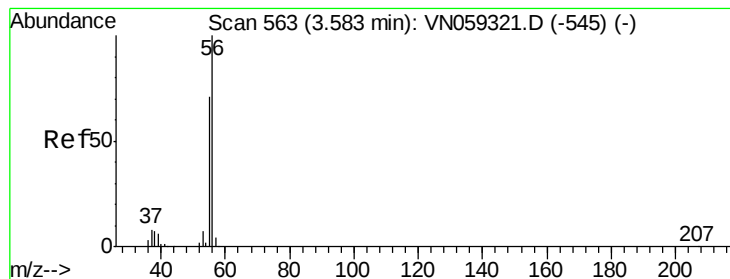
#11  
Tert butyl alcohol  
Concen: 4651.659 ug/l  
RT: 4.71 min Scan# 913  
Delta R.T. -0.04 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 59 Resp: 12046  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): V  
Ion 57.00 (56.70 to 57.70): V





#13

Acrolein

Concen: 49.071 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

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ClientSampleId :

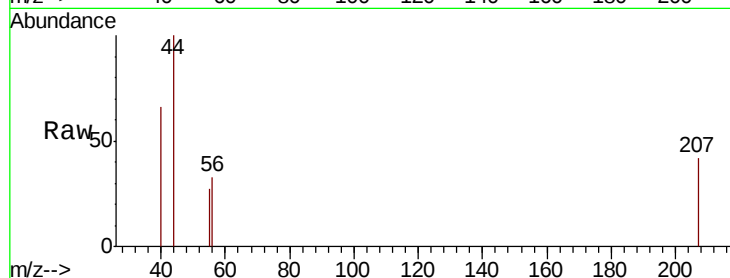
MW-2-(20-22)ME

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 85.3 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250

200

150

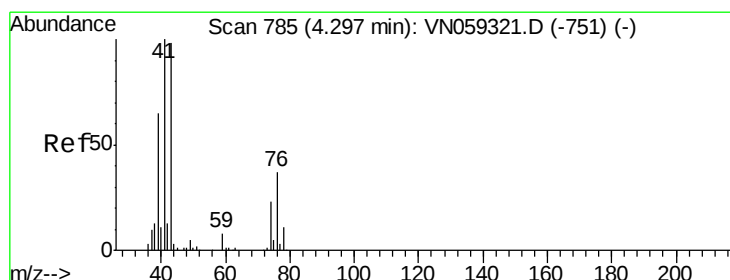
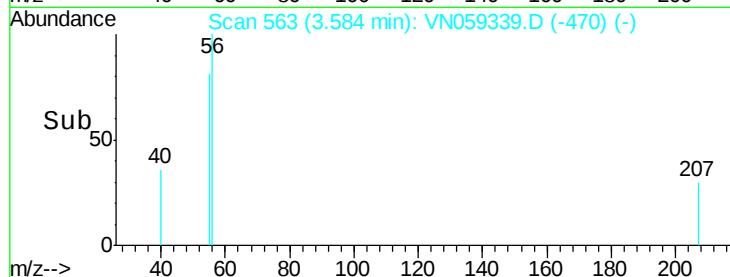
100

50

0

3.57 3.58 3.59 3.60

Time-->



#14

Allyl chloride

Concen: 13.665 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

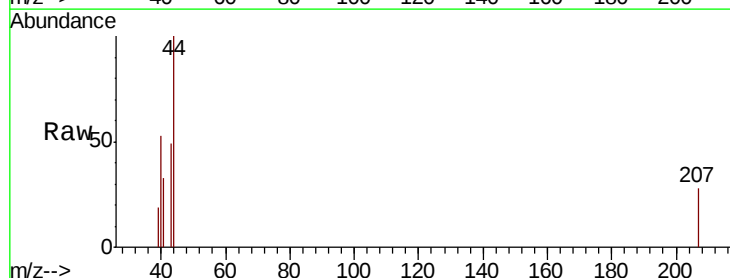
Tgt Ion: 41 Resp: 297

Ion Ratio Lower Upper

41 100

39 30.0 48.4 72.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

300

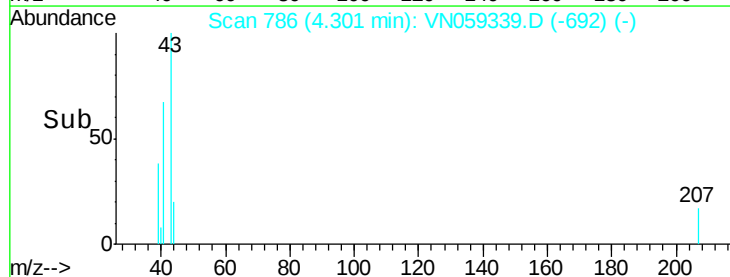
200

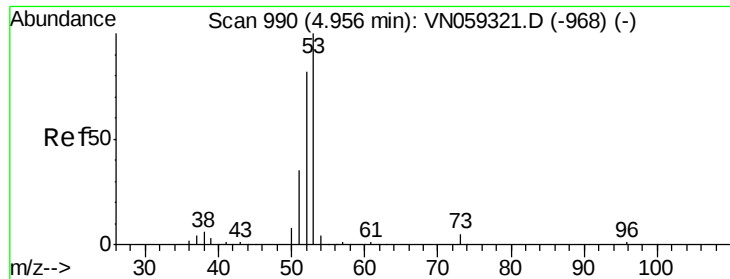
100

0

4.28 4.29 4.30 4.31 4.32

Time-->





#15

Acrylonitrile

Concen: 20.009 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.04 min

Lab File: VN059339.D

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MW-2-(20-22)ME

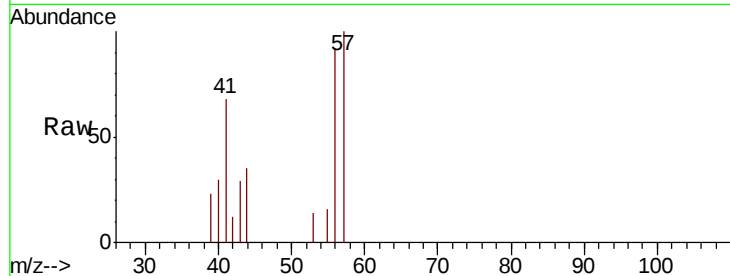
Tot Ion: 53 Resp: 137

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.8#

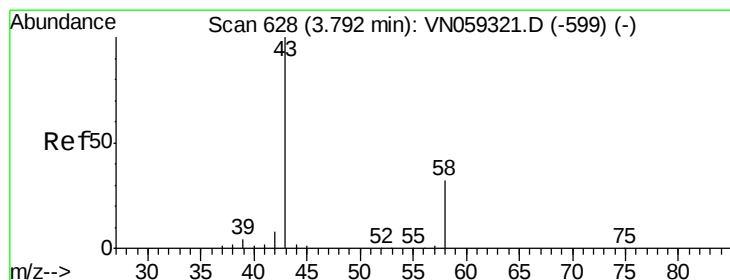
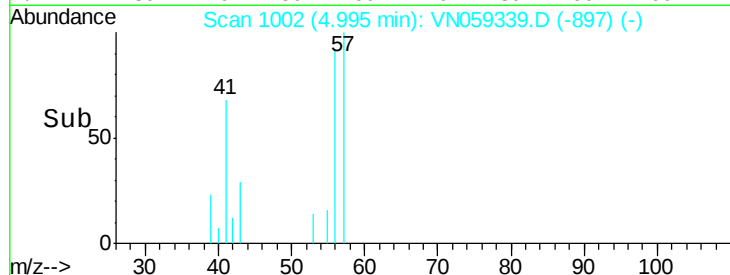
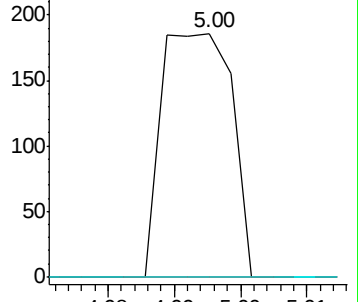
51 0.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 163.808 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN059339.D

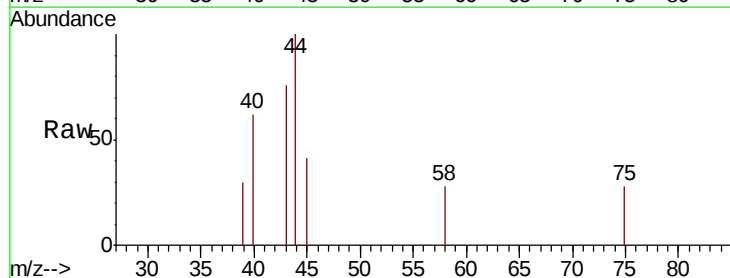
Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 950

Ion Ratio Lower Upper

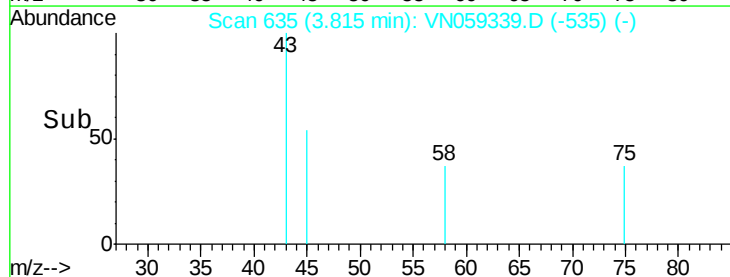
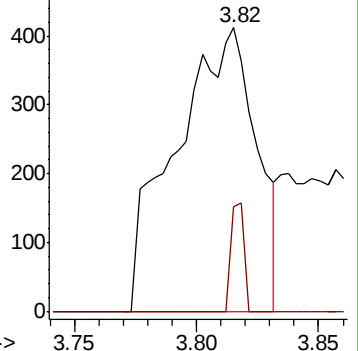
43 100

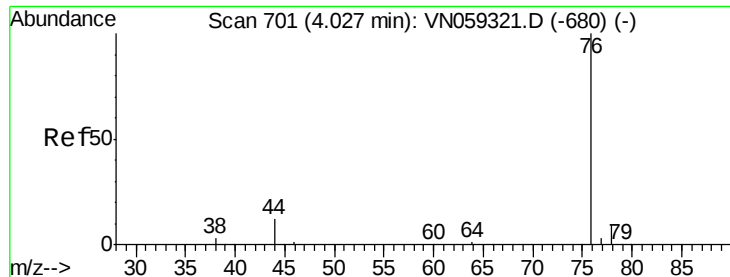
58 36.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 85.056 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.02 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

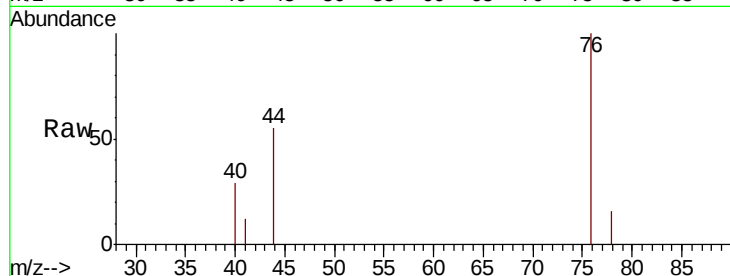
MW-2-(20-22)ME

Tot Ion: 76 Resp: 3105

Ion Ratio Lower Upper

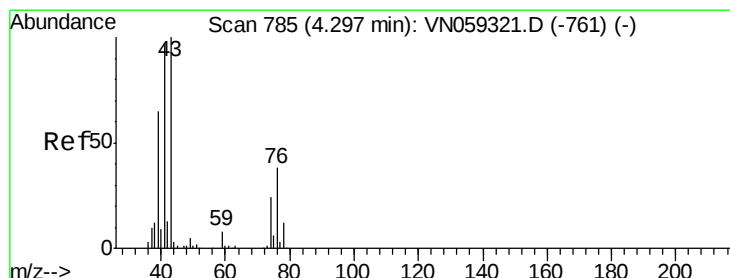
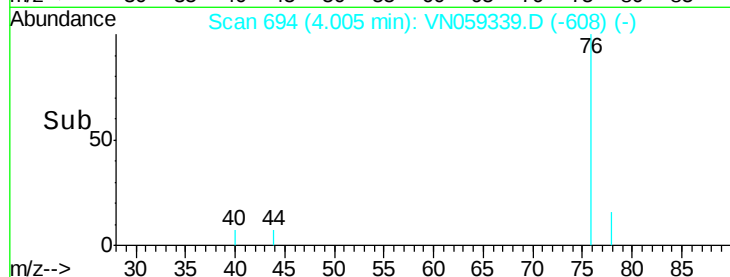
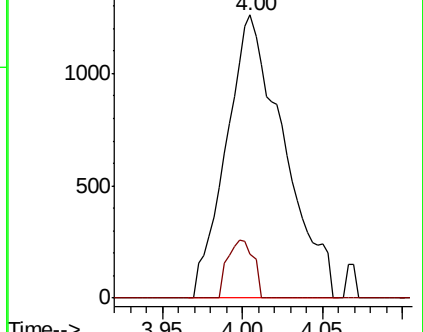
76 100

78 15.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.644 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059339.D

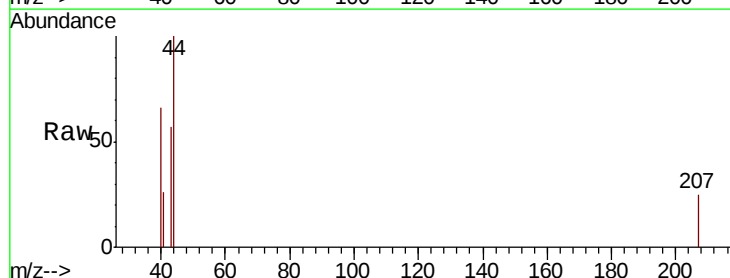
Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

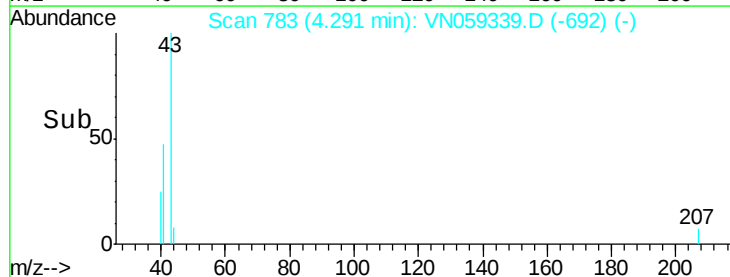
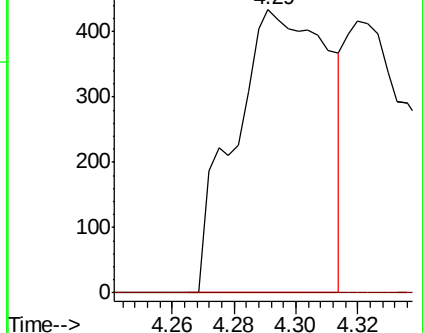
43 100

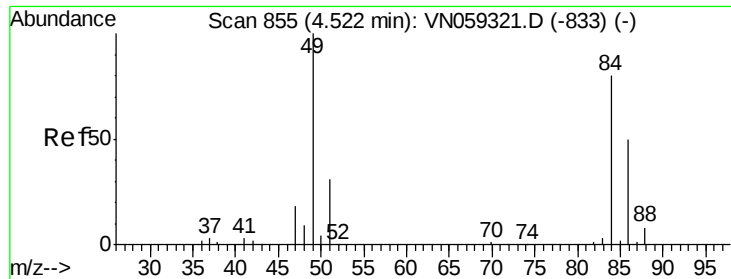
74 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

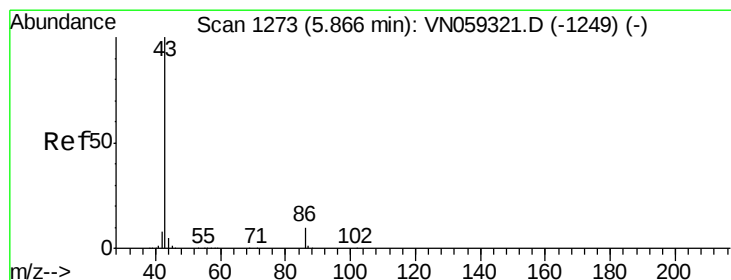
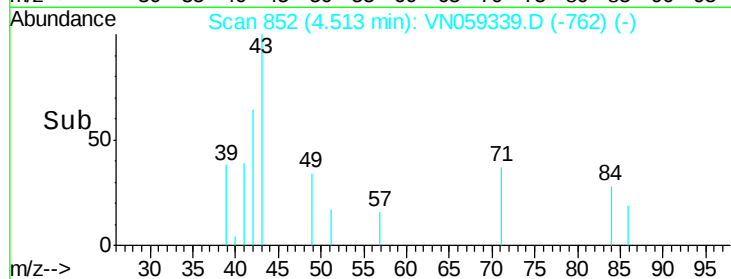
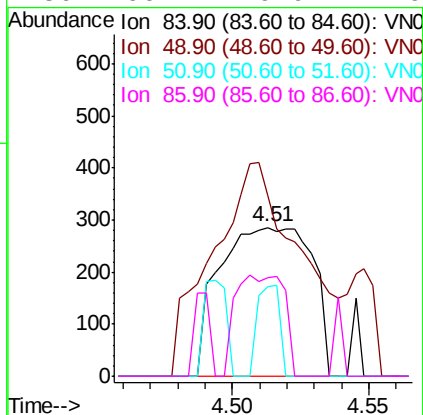
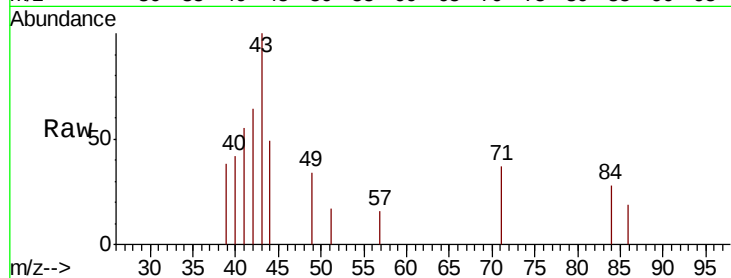




#20  
Methvlene Chloride  
Concen: 51.453 ug/l  
RT: 4.51 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

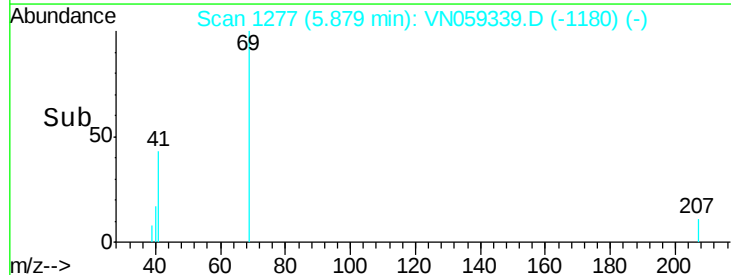
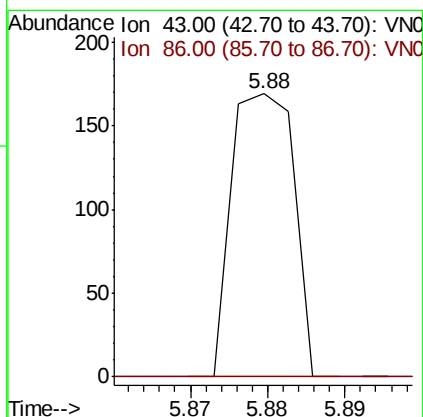
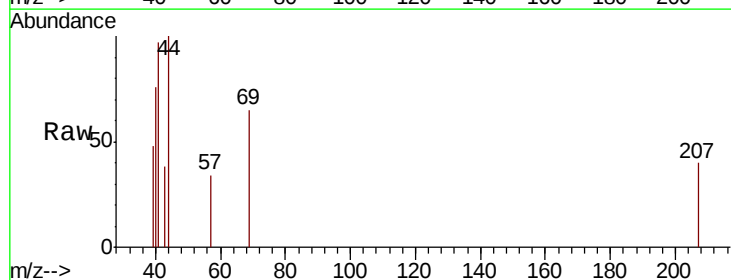
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

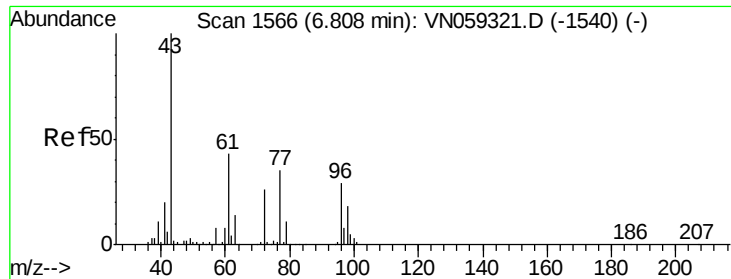
Tot Ion: 84 Resp: 673  
Ion Ratio Lower Upper  
84 100  
49 68.5 99.5 149.3#  
51 60.5 31.1 46.7#  
86 66.1 49.9 74.9



#23  
Vinyl Acetate  
Concen: 2.952 ug/l  
RT: 5.88 min Scan# 1277  
Delta R.T. 0.01 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 95  
Ion Ratio Lower Upper  
43 100  
86 0.0 8.0 12.0#

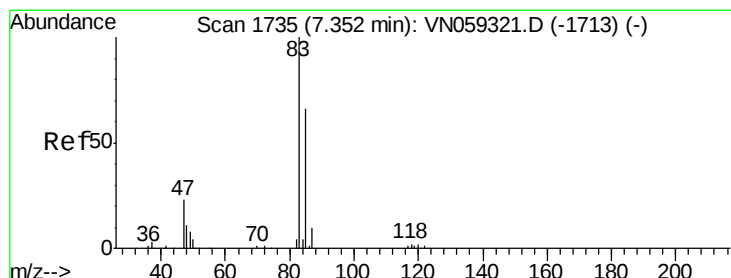
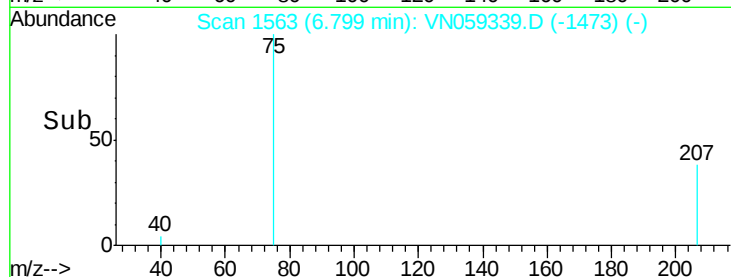
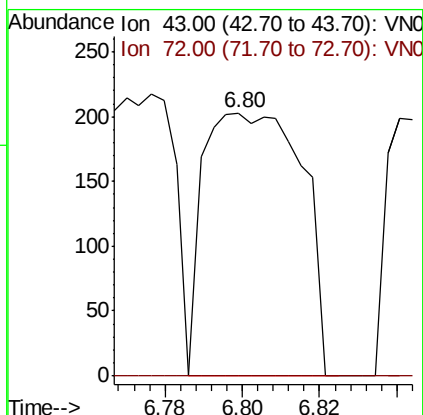
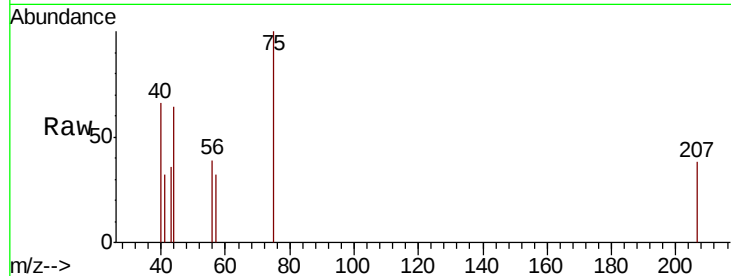




#25  
2-Butanone  
Concen: 39.698 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

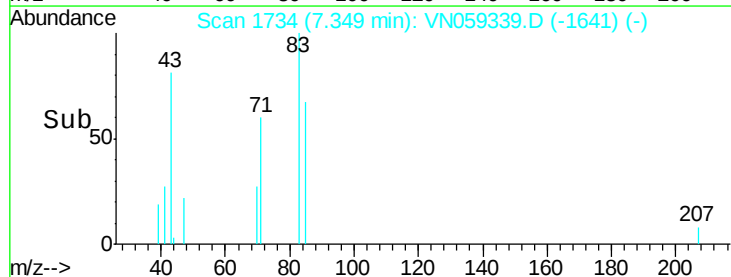
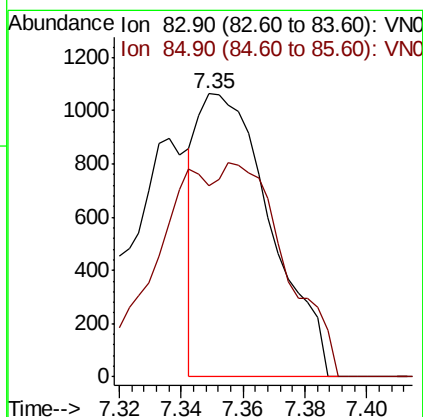
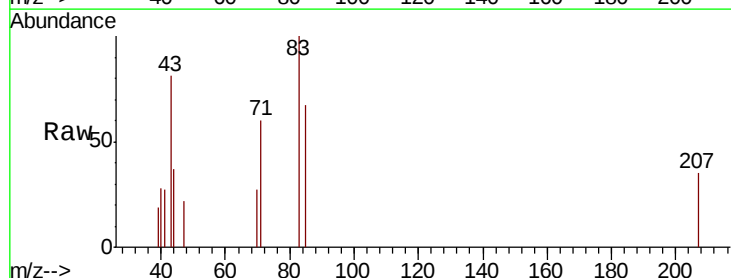
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

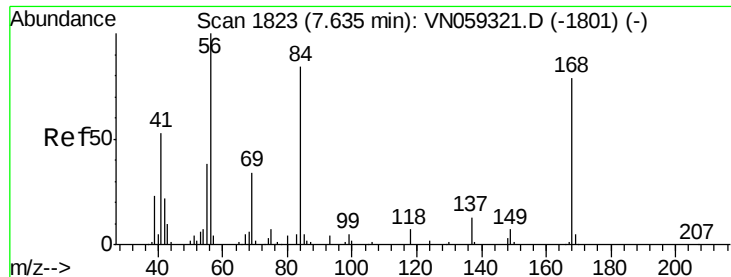
Tot Ion: 43 Resp: 358  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 30.7#



#30  
Chloroform  
Concen: 78.147 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 83 Resp: 1745  
Ion Ratio Lower Upper  
83 100  
85 67.4 52.7 79.1

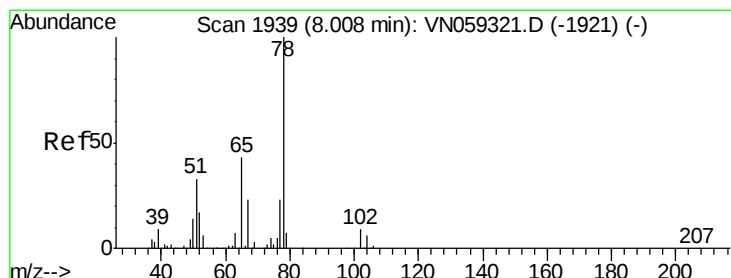
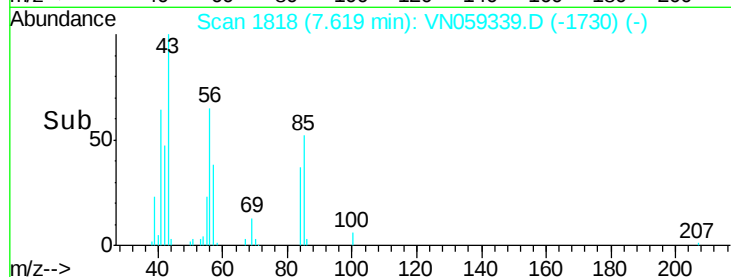
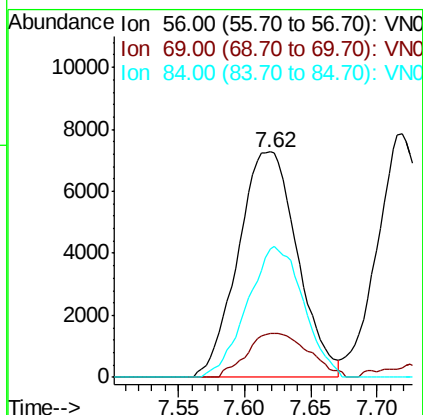
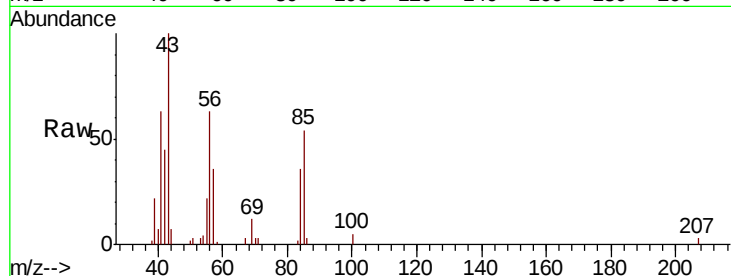




#31  
Cyclohexane  
Concen: 997.682 ug/l  
RT: 7.62 min Scan# 1818  
Delta R.T. -0.02 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

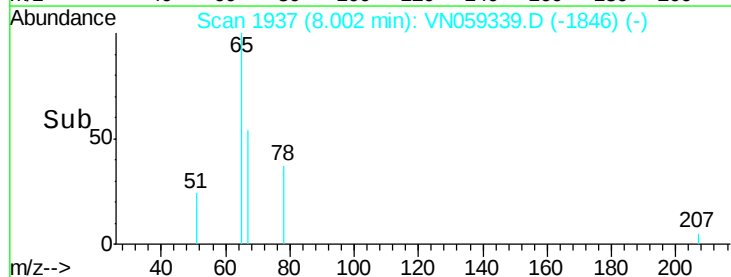
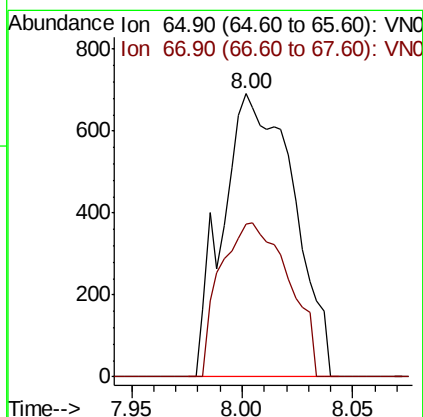
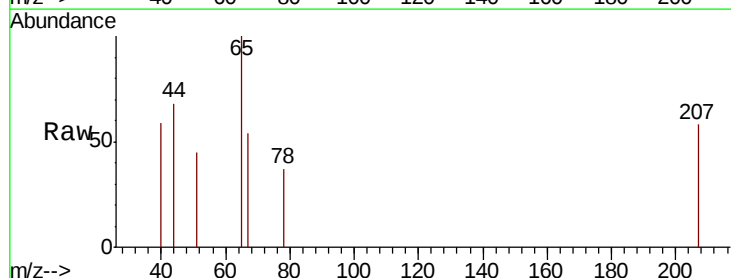
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

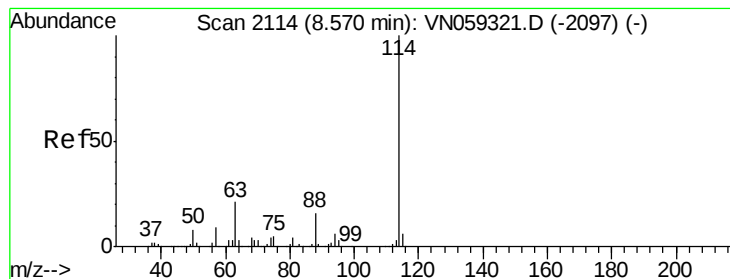
Tot Ion: 56 Resp: 22722  
Ion Ratio Lower Upper  
56 100  
69 19.5 26.6 40.0#  
84 56.8 67.0 100.4#



#33  
1,2-Dichloroethane-d4  
Concen: 118.986 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.01 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 65 Resp: 1539  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

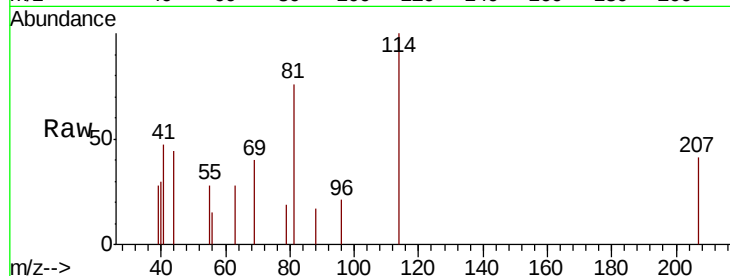
Tot Ion:114 Resp: 2288

Ion Ratio Lower Upper

114 100

63 28.3 0.0 42.2

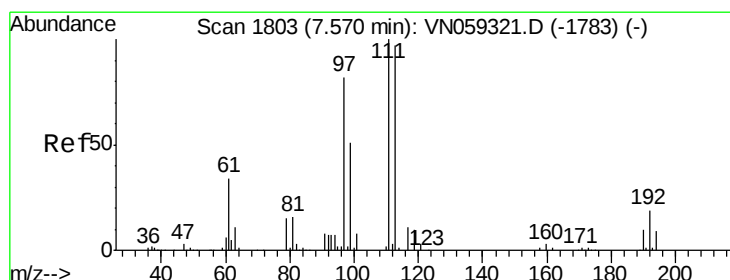
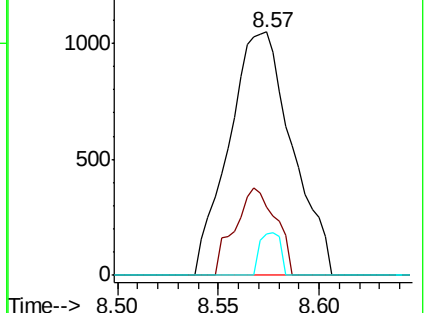
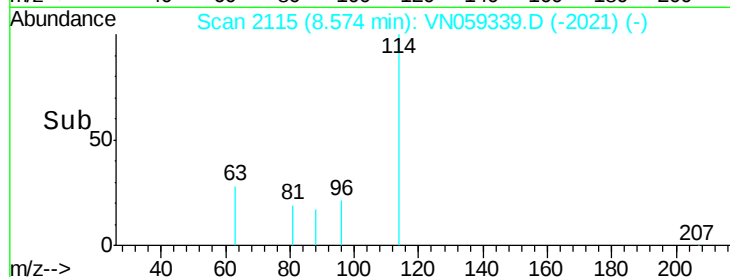
88 16.9 0.0 32.2



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: 30.597 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

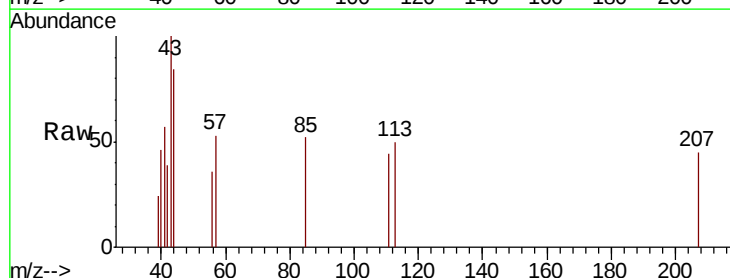
Tgt Ion:113 Resp: 420

Ion Ratio Lower Upper

113 100

111 152.1 82.7 124.1#

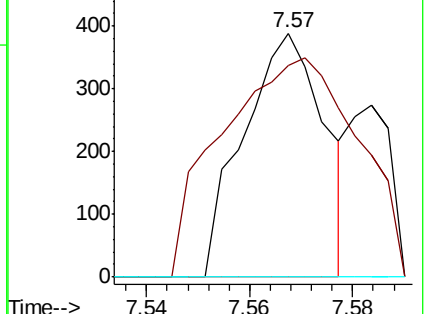
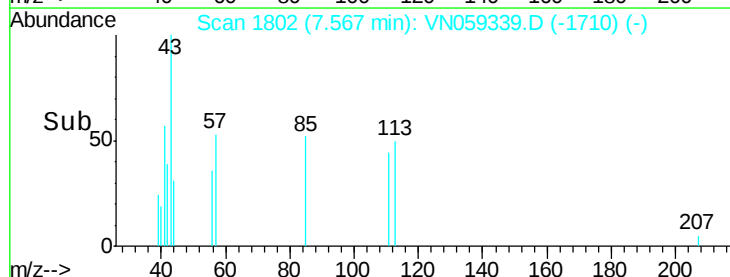
192 0.0 16.3 24.5#

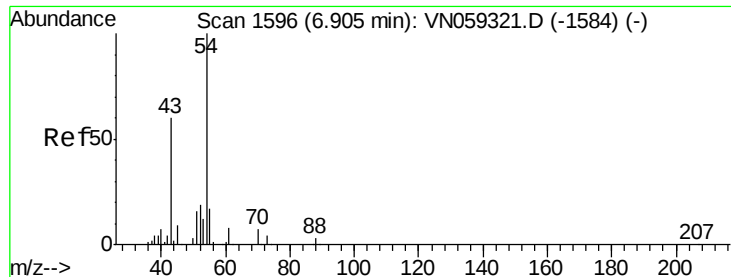


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

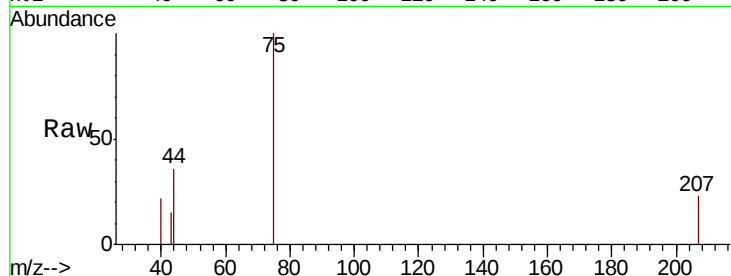




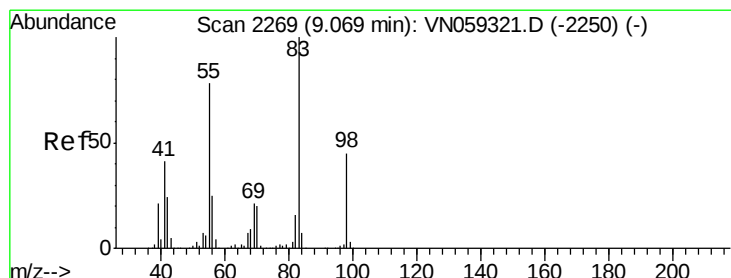
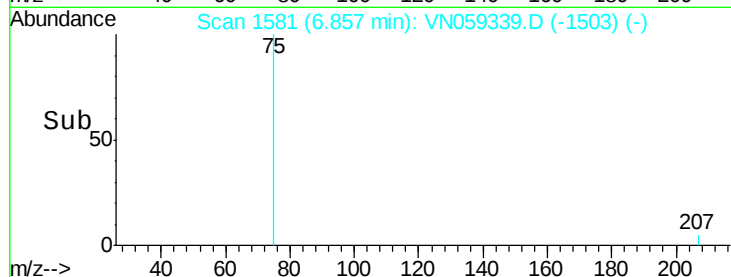
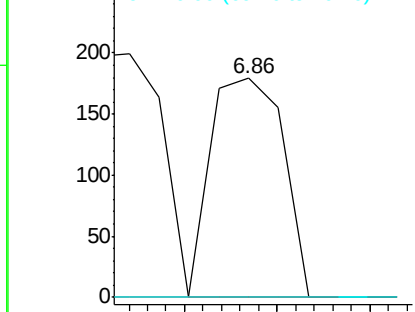
#37  
Ethyl Acetate  
Concen: 3.821 ug/l  
RT: 6.86 min Scan# 1581  
Delta R.T. -0.05 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

Tot Ion: 43 Resp: 97  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.0 16.6#  
70 0.0 8.8 13.2#

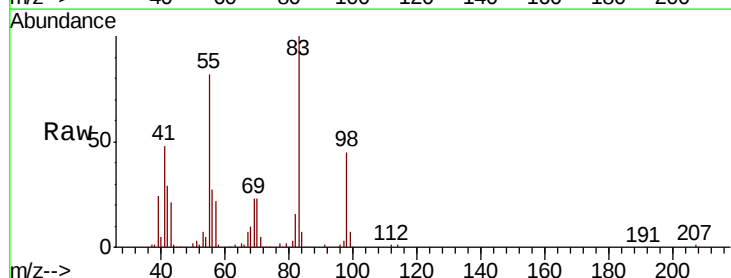


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

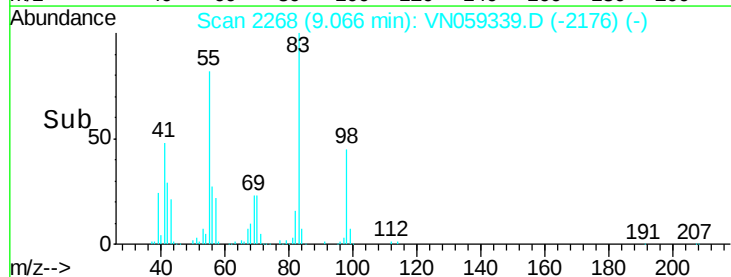
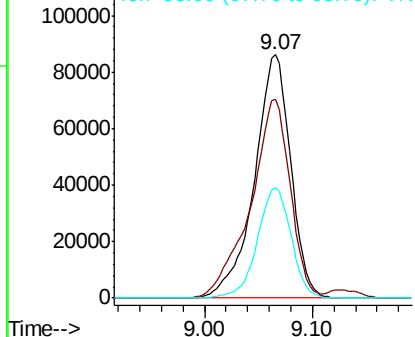


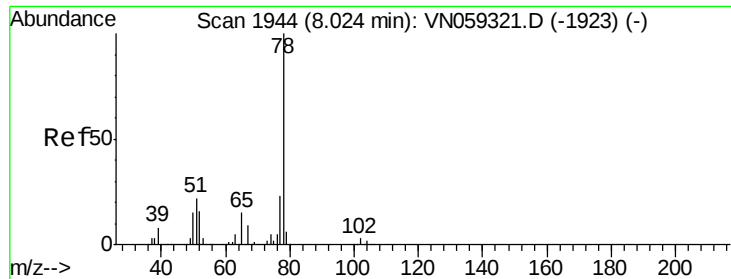
#39  
Methylcyclohexane  
Concen: 7052.221 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 83 Resp: 200865  
Ion Ratio Lower Upper  
83 100  
55 81.7 62.3 93.5  
98 45.1 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 5.871 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

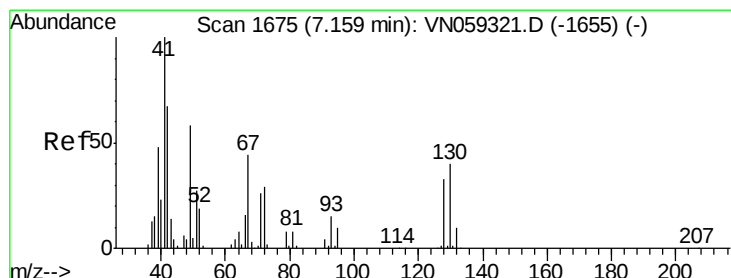
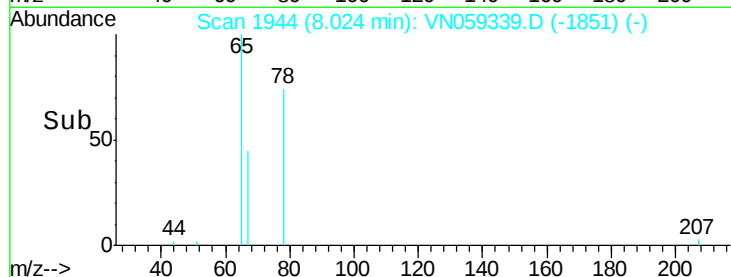
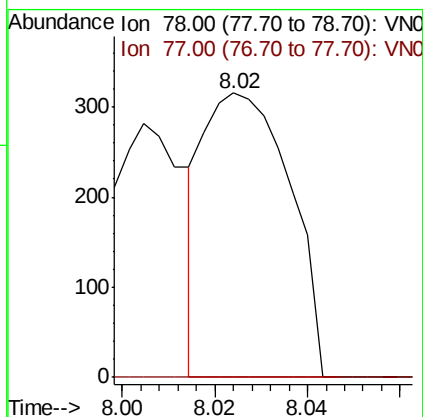
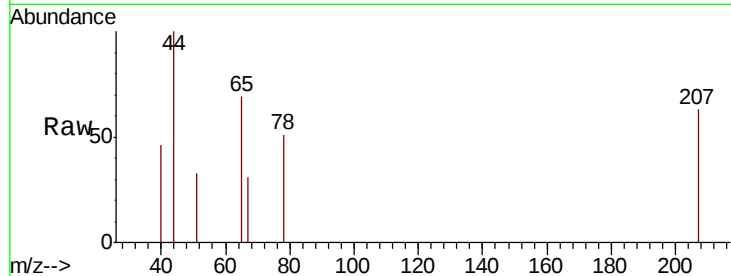
MW-2-(20-22)ME

Tot Ion: 78 Resp: 407

Ion Ratio Lower Upper

78 100

77 0.0 18.4 27.6#



#41

Methacrylonitrile

Concen: 6.212 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Tgt Ion: 41 Resp: 70

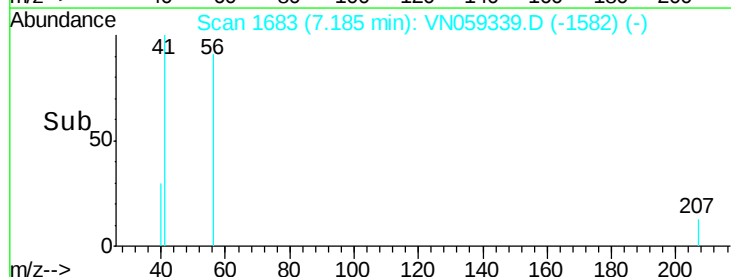
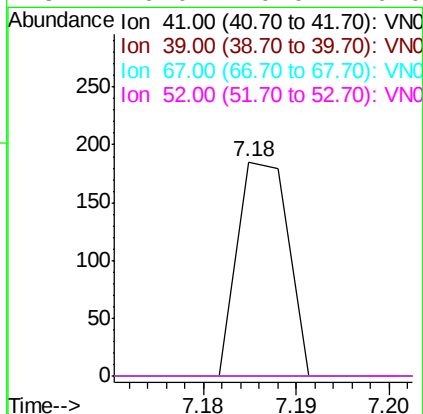
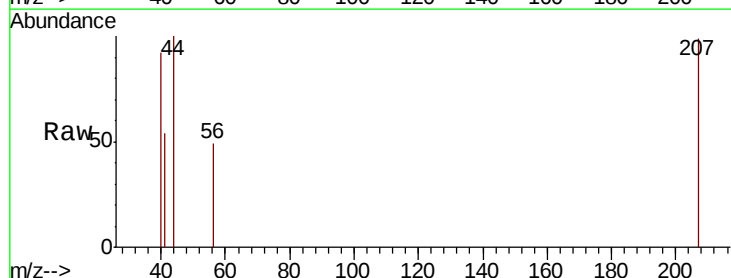
Ion Ratio Lower Upper

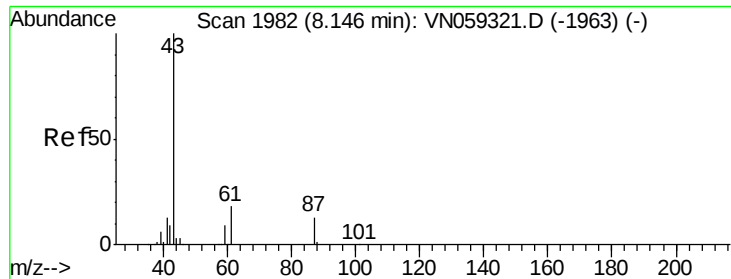
41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 241.730 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. -0.02 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

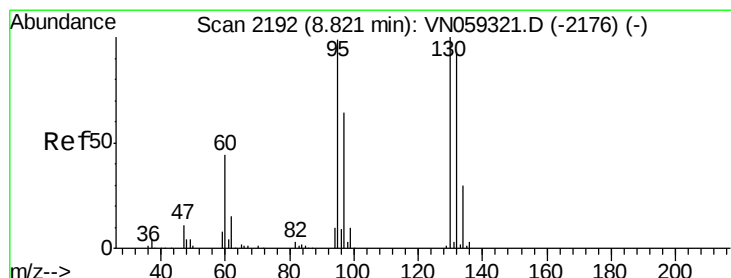
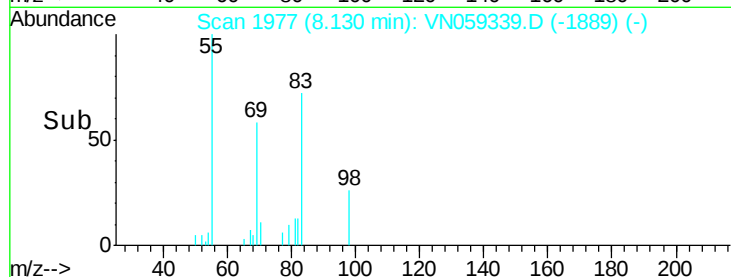
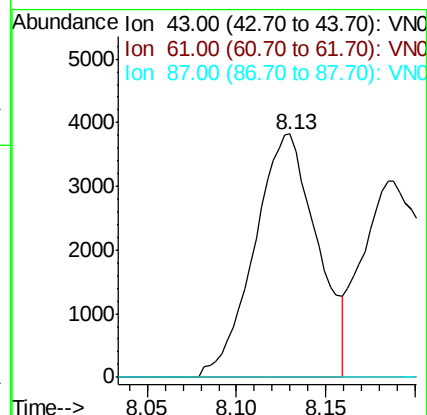
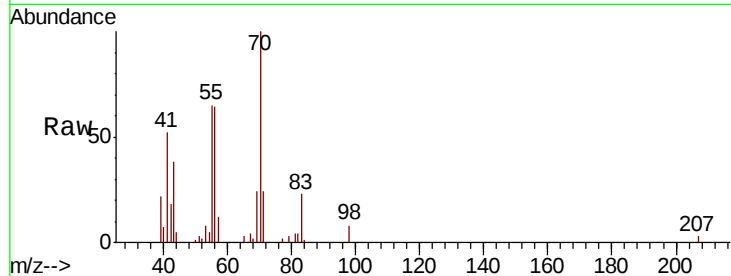
Tot Ion: 43 Resp: 9378

Ion Ratio Lower Upper

43 100

61 0.0 21.7 32.5#

87 0.0 10.2 15.4#



#44

Trichloroethene

Concen: 47.867 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN059339.D

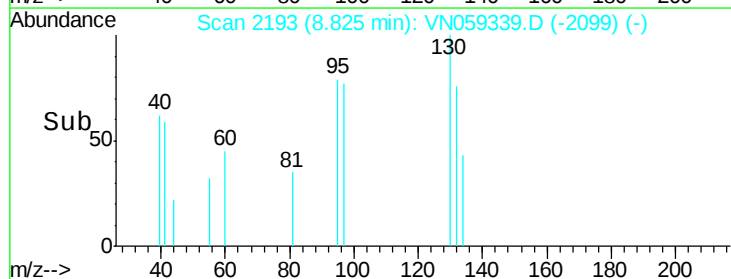
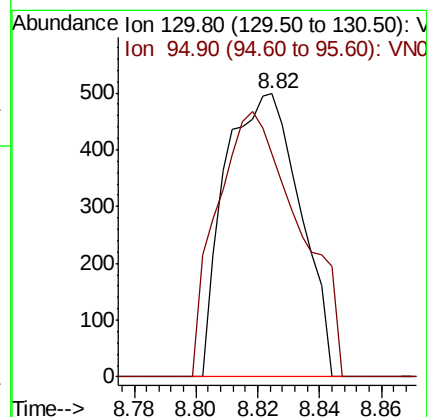
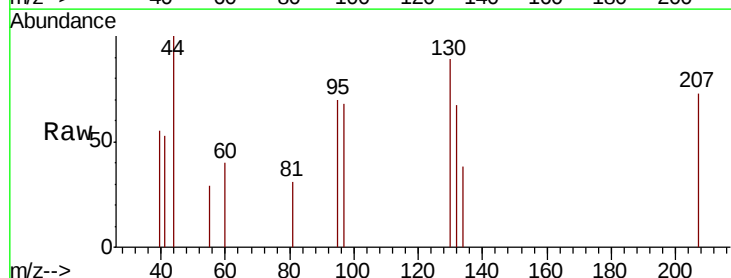
Acq: 21 Nov 2019 16:34

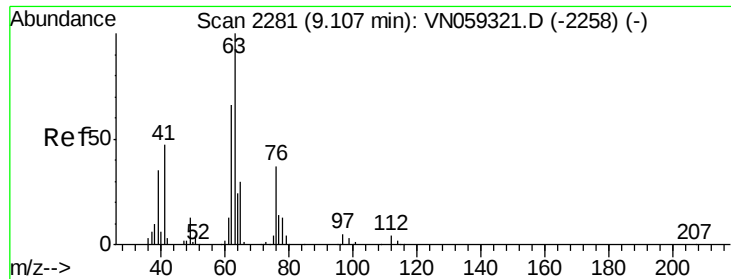
Tgt Ion: 130 Resp: 841

Ion Ratio Lower Upper

130 100

95 78.9 0.0 198.4





#45

1,2-Dichloropropane

Concen: 87.363 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.04 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

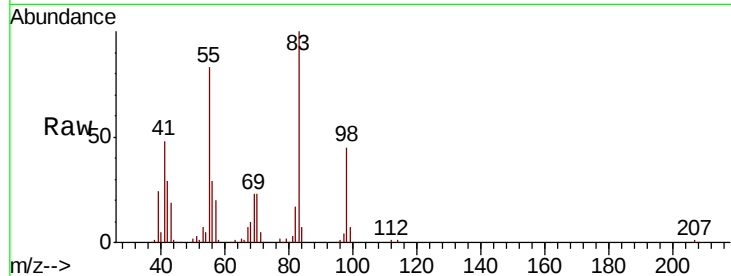
MW-2-(20-22)ME

Tot Ion: 63 Resp: 1615

Ion Ratio Lower Upper

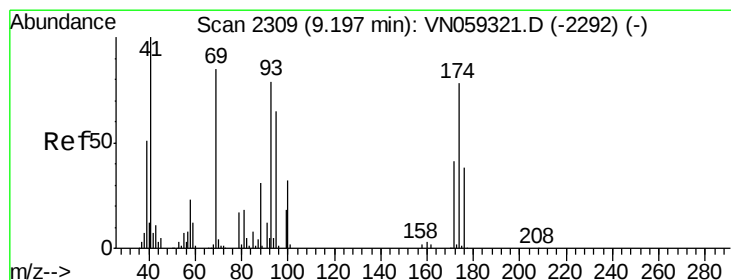
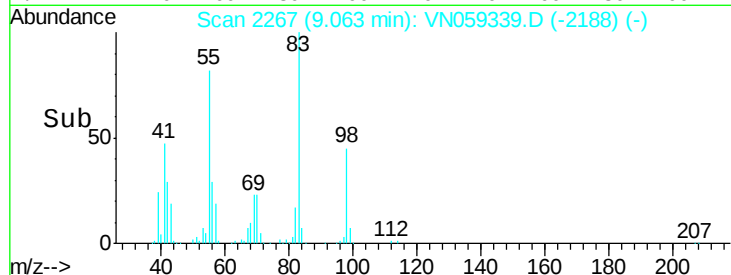
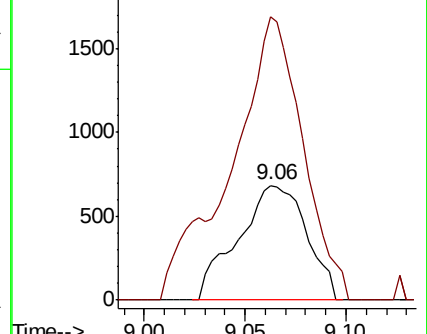
63 100

65 221.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.608 ug/l

RT: 9.36 min Scan# 2358

Delta R.T. 0.16 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

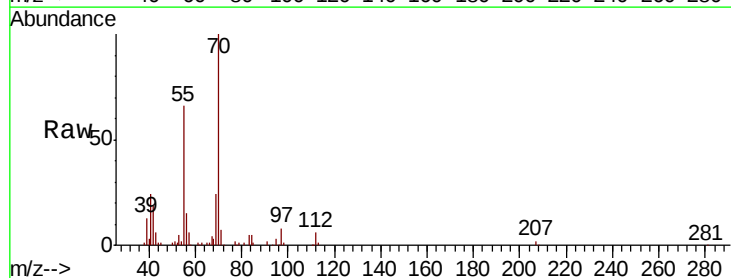
Tgt Ion: 93 Resp: 211

Ion Ratio Lower Upper

93 100

95 1215.2 66.9 100.3#

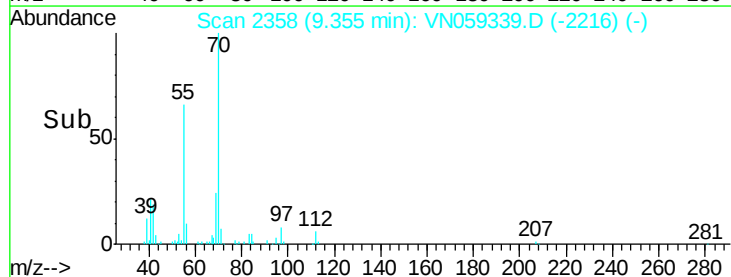
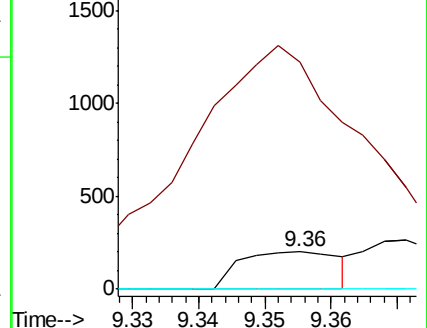
174 0.0 80.6 120.8#

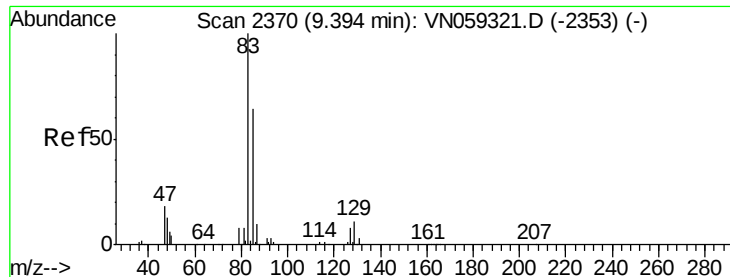


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 234.536 ug/l

RT: 9.35 min Scan# 2357

Delta R.T. -0.04 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

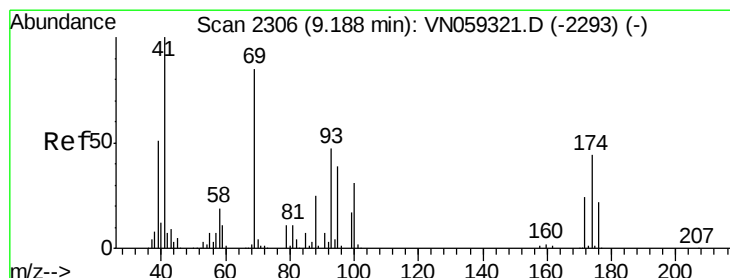
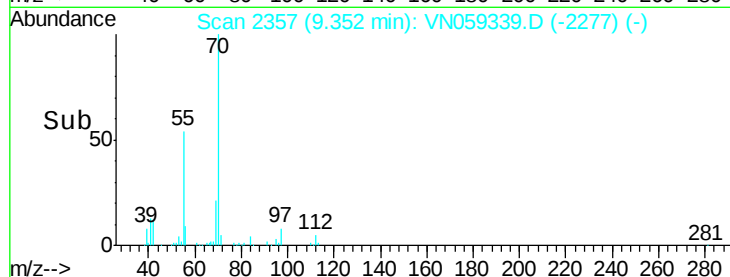
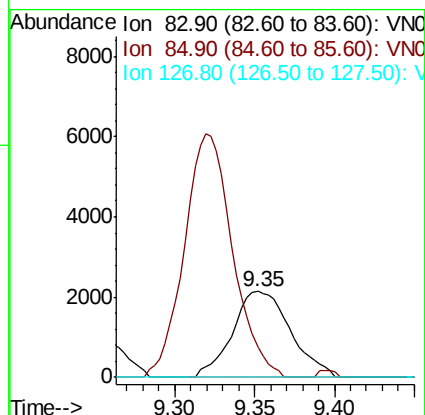
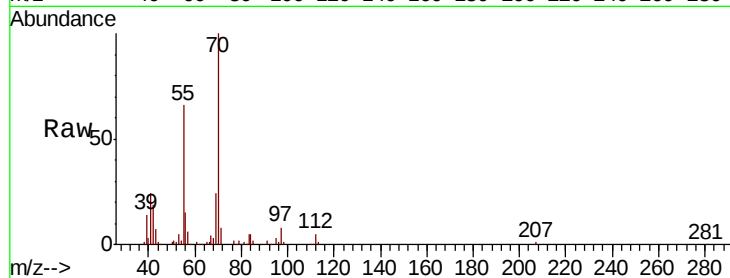
Tot Ion: 83 Resp: 5326

Ion Ratio Lower Upper

83 100

85 34.5 51.5 77.3#

127 0.0 6.6 10.0#



#48

Methyl methacrylate

Concen: 653.548 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.07 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

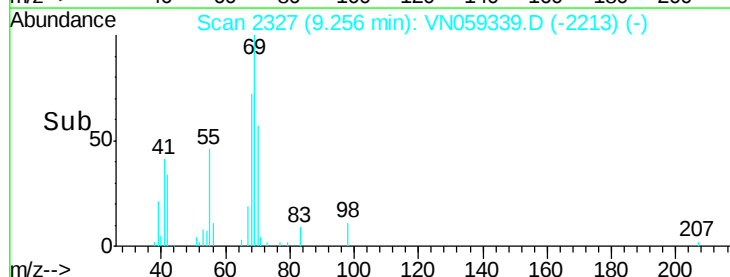
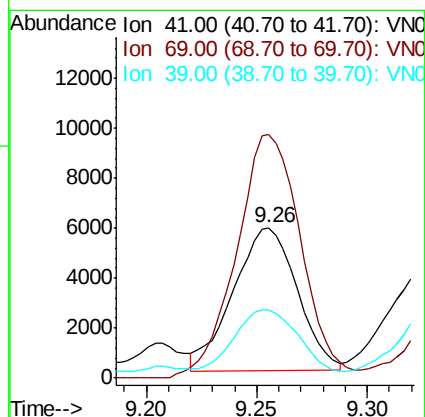
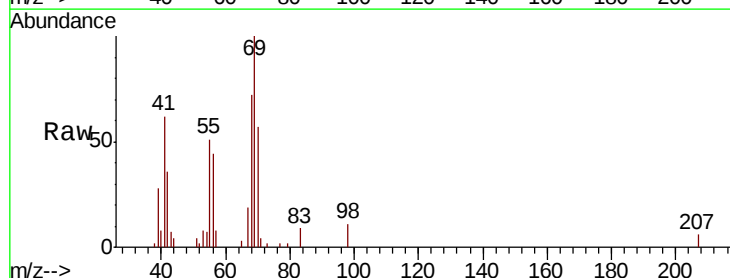
Tgt Ion: 41 Resp: 11530

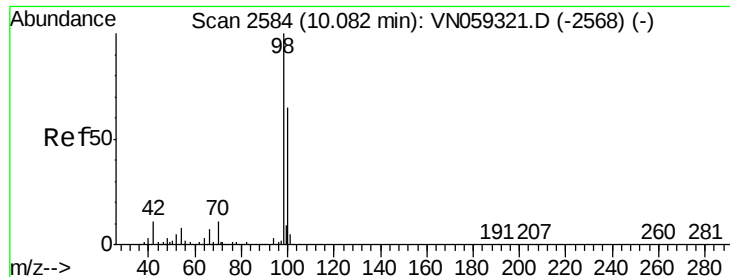
Ion Ratio Lower Upper

41 100

69 171.4 68.8 103.2#

39 41.9 42.1 63.1#





#50

Toluene-d8

Concen: 1773.345 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

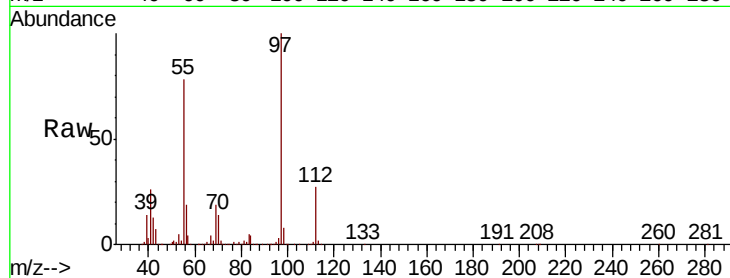
MW-2-(20-22)ME

Tot Ion: 98 Resp: 96771

Ion Ratio Lower Upper

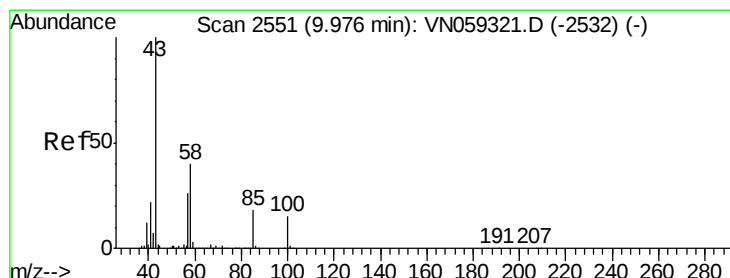
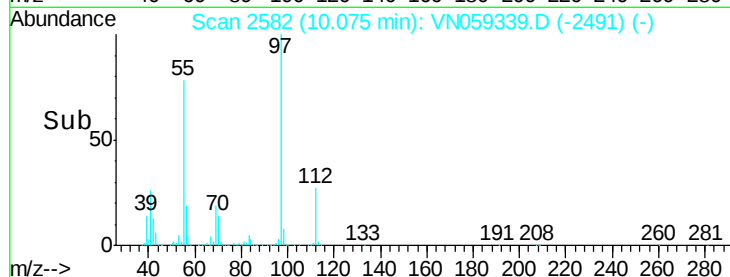
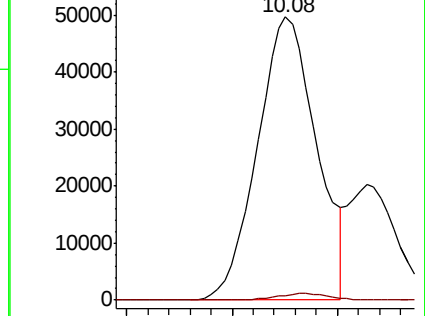
98 100

100 2.0 51.7 77.5#



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 3601.100 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.10 min

Lab File: VN059339.D

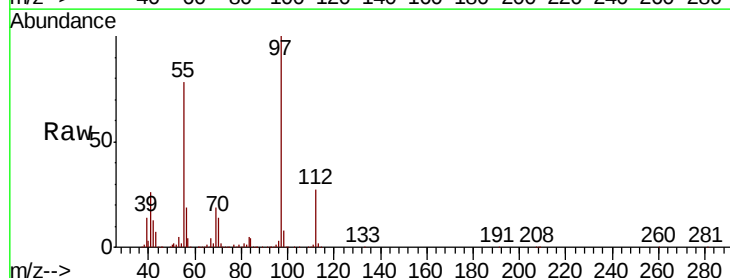
Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 81774

Ion Ratio Lower Upper

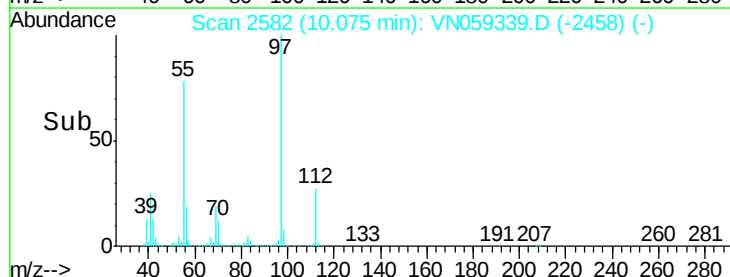
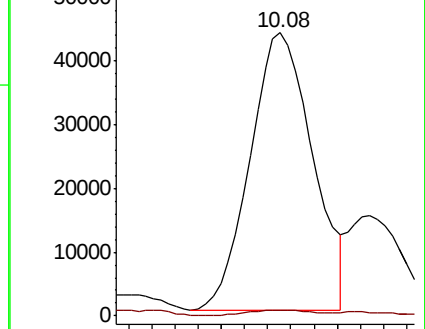
43 100

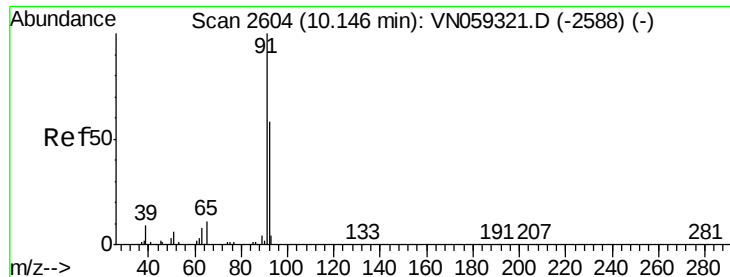
58 2.2 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 21.687 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

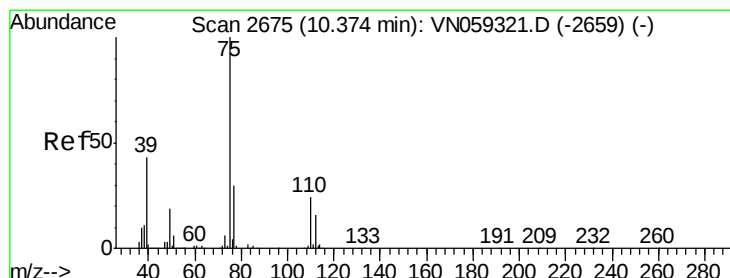
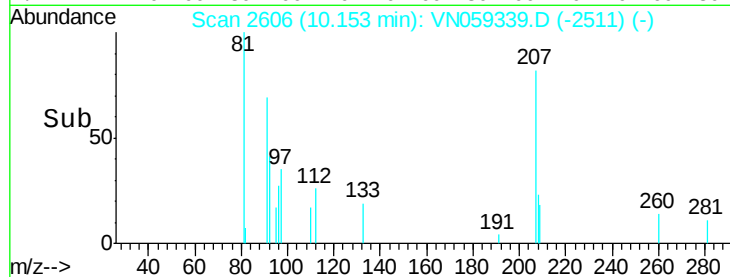
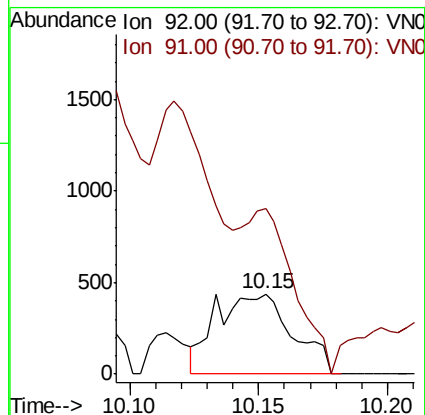
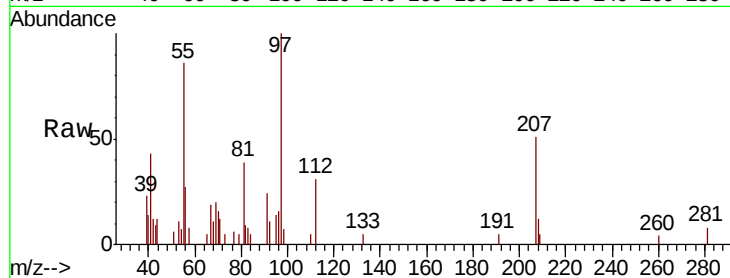
MW-2-(20-22)ME

Tot Ion: 92 Resp: 904

Ion Ratio Lower Upper

92 100

91 0.0 137.9 206.9#



#53

t-1,3-Dichloropropene

Concen: 18.562 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.01 min

Lab File: VN059339.D

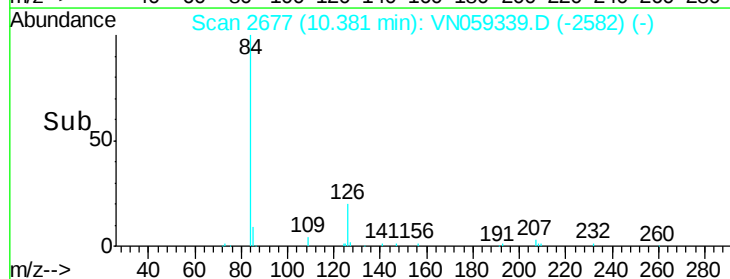
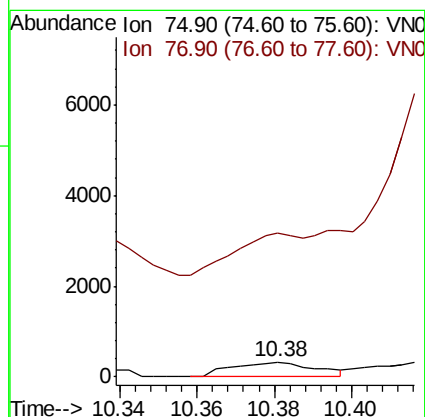
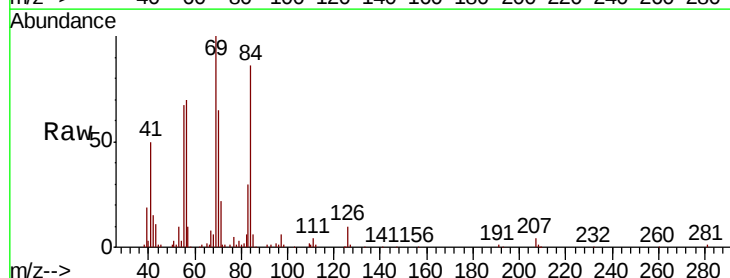
Acq: 21 Nov 2019 16:34

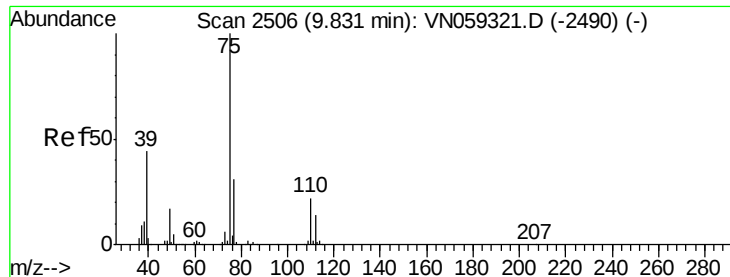
Tgt Ion: 75 Resp: 490

Ion Ratio Lower Upper

75 100

77 275.2 25.5 38.3#





#54

cis-1,3-Dichloropropene

Concen: 4.399 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

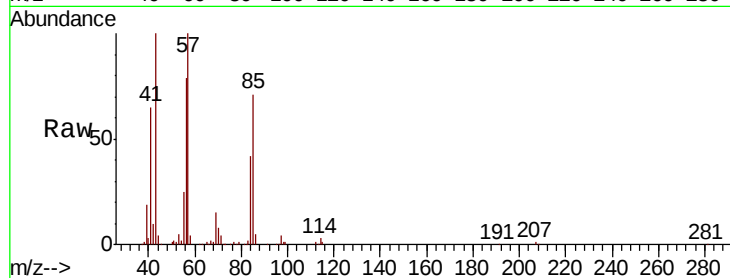
Tot Ion: 75 Resp: 126

Ion Ratio Lower Upper

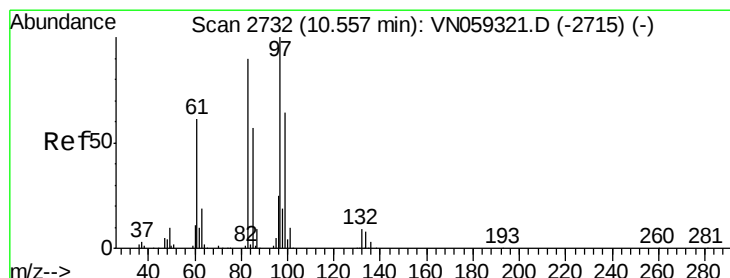
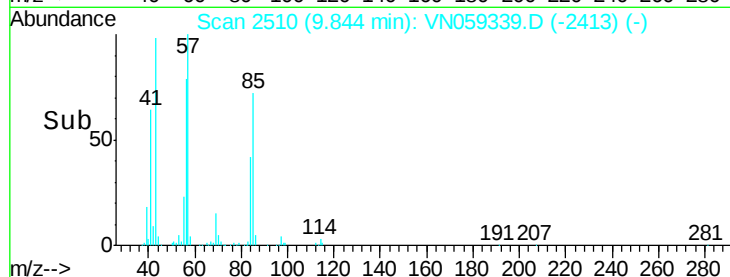
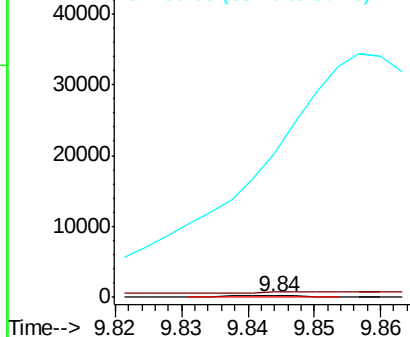
75 100

77 81.9 25.0 37.4#

39 6033.7 35.5 53.3#



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



#55

1,1,2-Trichloroethane

Concen: 29823.666 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Tgt Ion: 97 Resp: 483359

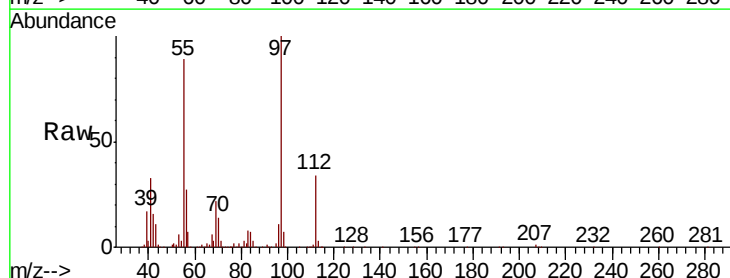
Ion Ratio Lower Upper

97 100

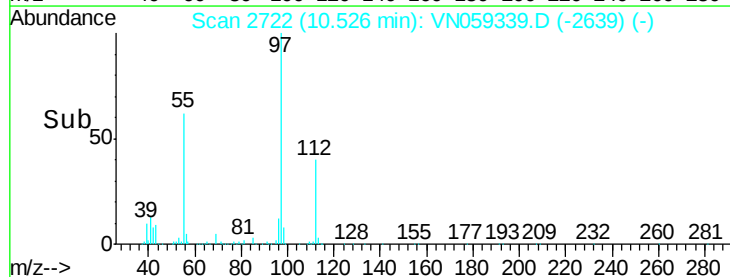
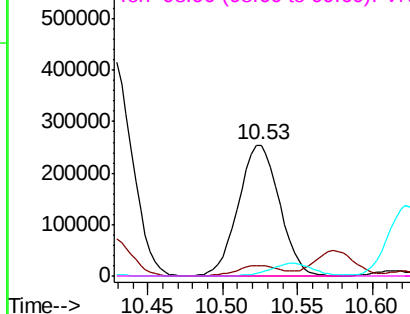
83 8.2 72.0 108.0#

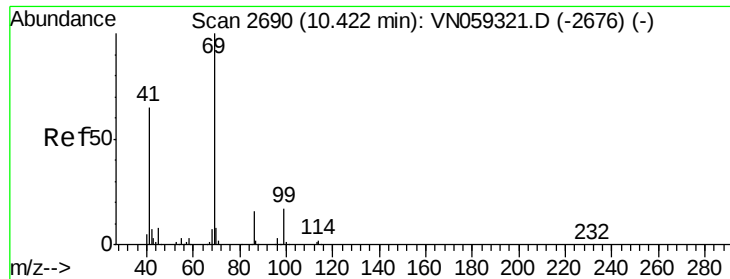
85 2.7 45.8 68.6#

99 0.3 51.0 76.4#



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 7841.466 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

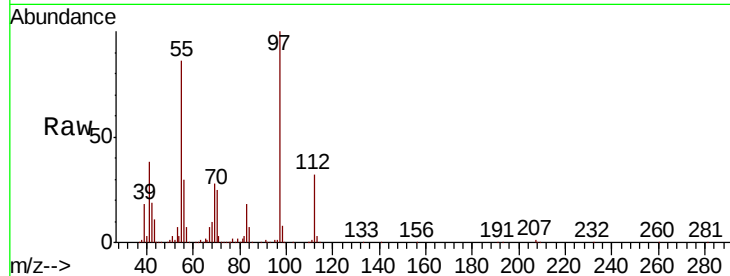
Tot Ion: 69 Resp: 224421

Ion Ratio Lower Upper

69 100

41 165.6 51.7 77.5#

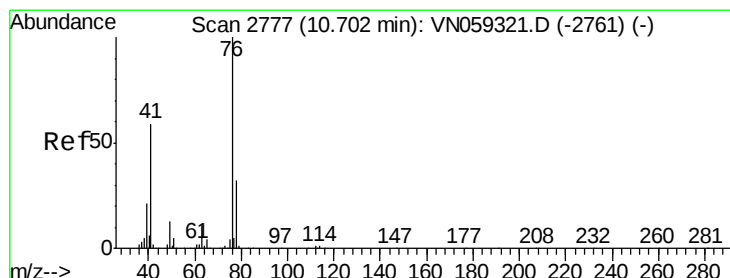
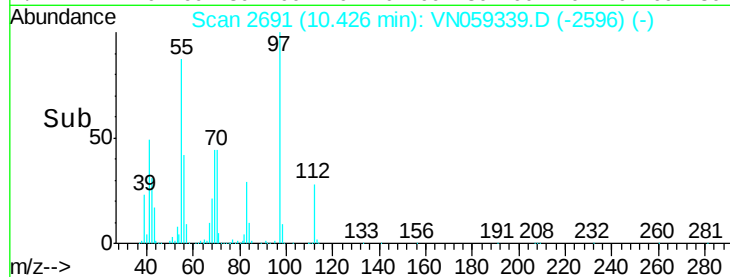
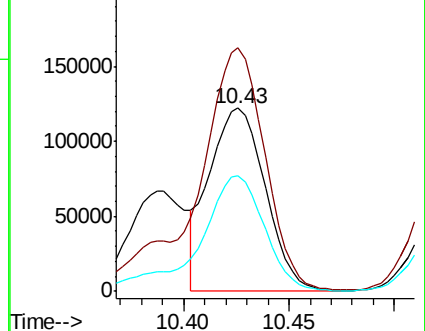
39 75.6 25.2 37.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 5.310 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.01 min

Lab File: VN059339.D

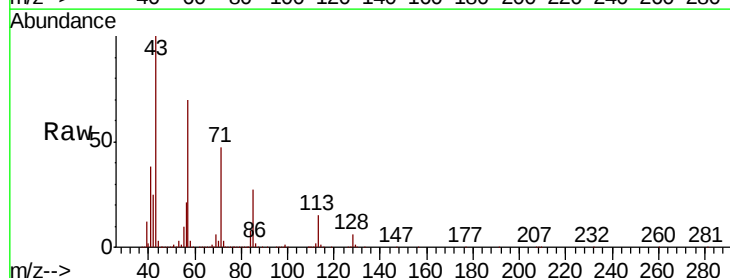
Acq: 21 Nov 2019 16:34

Tgt Ion: 76 Resp: 150

Ion Ratio Lower Upper

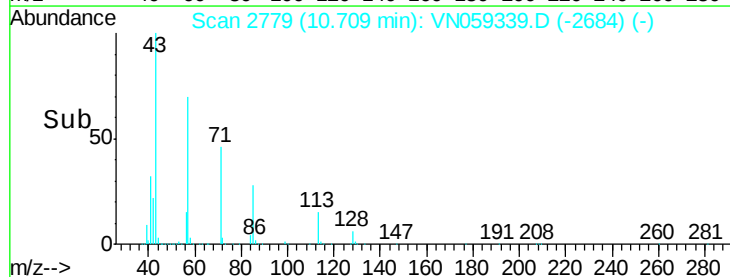
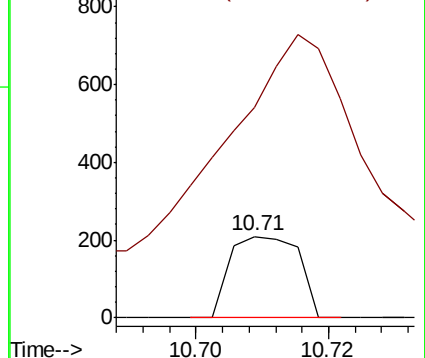
76 100

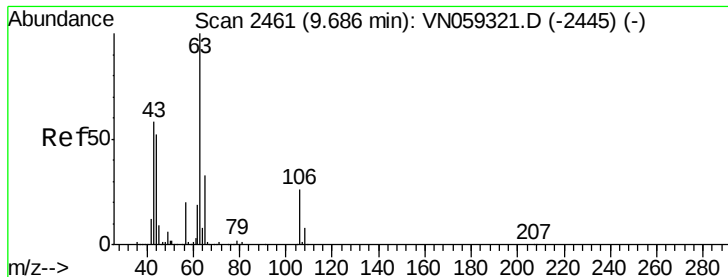
78 814.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 188.055 ug/l

RT: 9.72 min Scan# 2471

Delta R.T. 0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

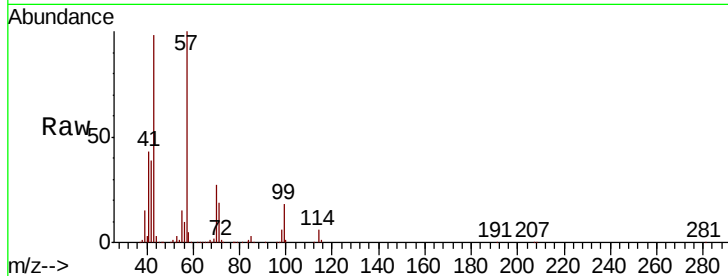
MW-2-(20-22)ME

Tot Ion: 63 Resp: 1827

Ion Ratio Lower Upper

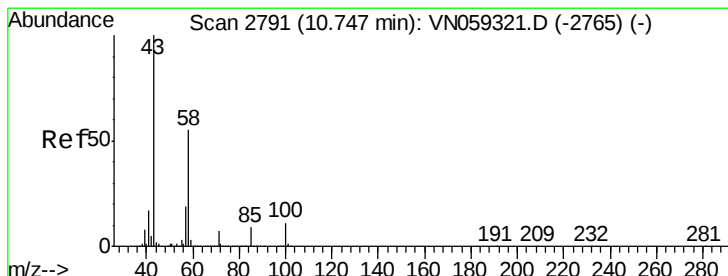
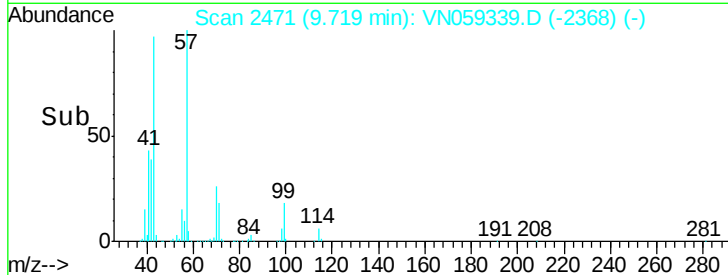
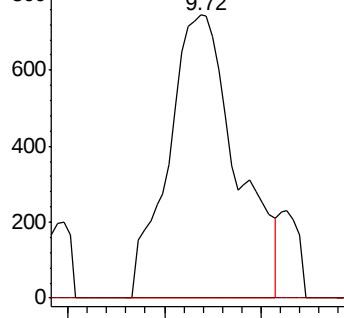
63 100

106 0.0 20.5 30.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 84708.124 ug/l

RT: 10.72 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN059339.D

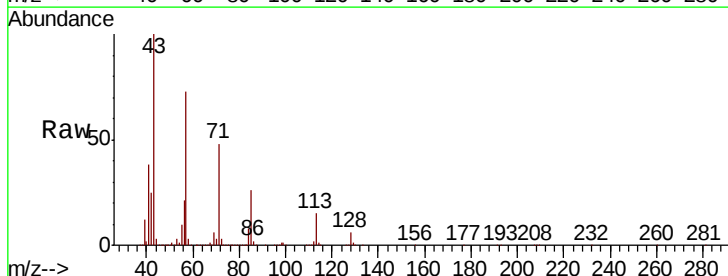
Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 1408513

Ion Ratio Lower Upper

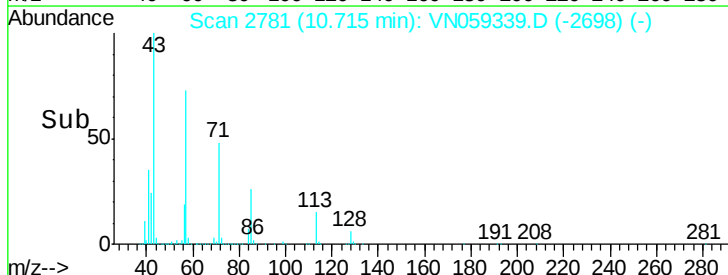
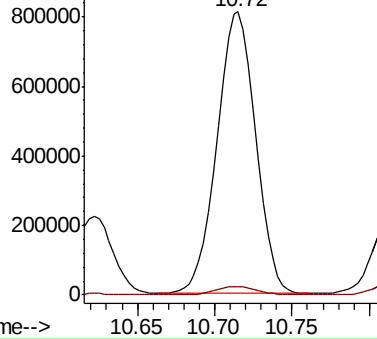
43 100

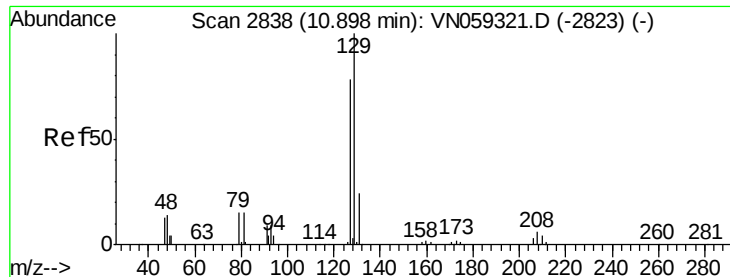
58 3.1 27.7 83.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 178.233 ug/l

RT: 10.82 min Scan# 2813

Delta R.T. -0.08 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

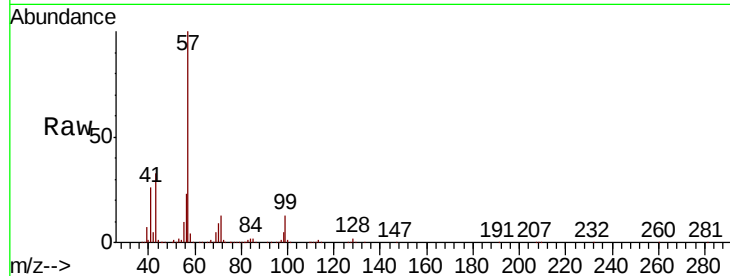
MW-2-(20-22)ME

Tot Ion:129 Resp: 3044

Ion Ratio Lower Upper

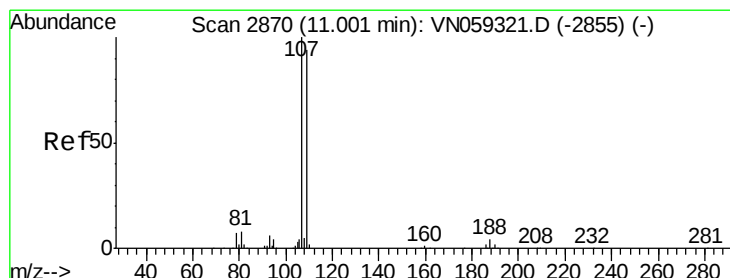
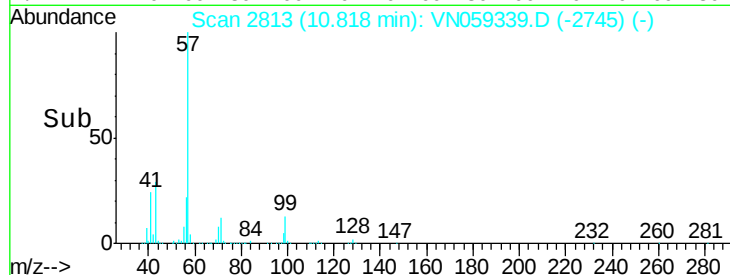
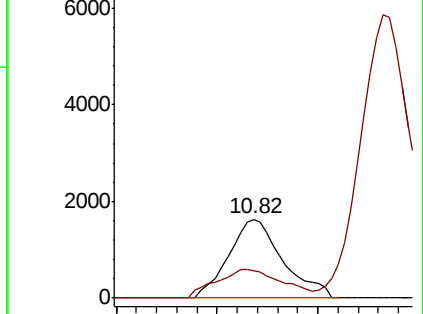
129 100

127 44.9 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 98.259 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059339.D

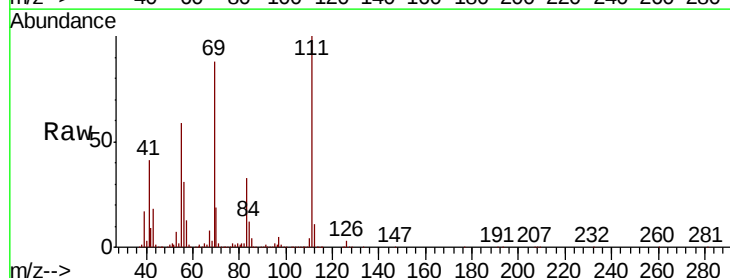
Acq: 21 Nov 2019 16:34

Tgt Ion:107 Resp: 1657

Ion Ratio Lower Upper

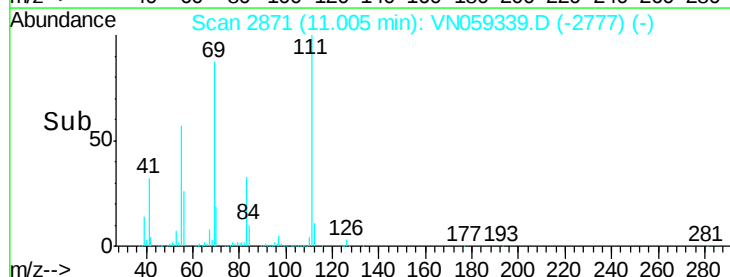
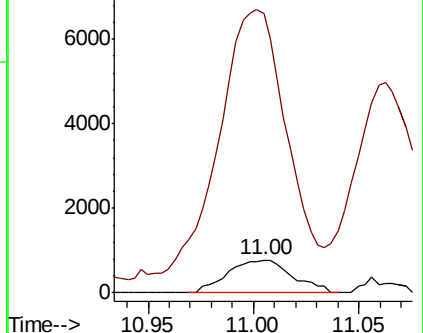
107 100

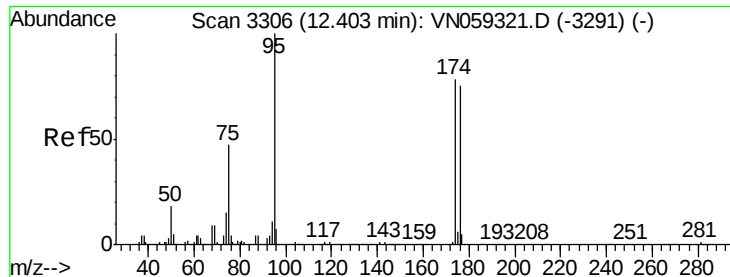
109 911.9 75.4 113.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43530.082 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

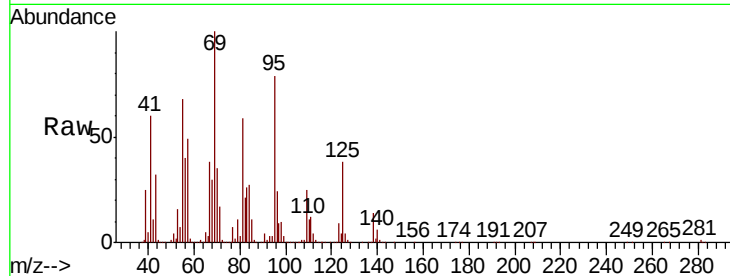
Tot Ion: 95 Resp: 830580

Ion Ratio Lower Upper

95 100

174 0.2 0.0 157.4

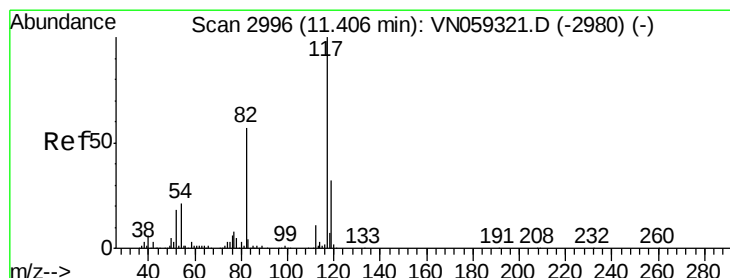
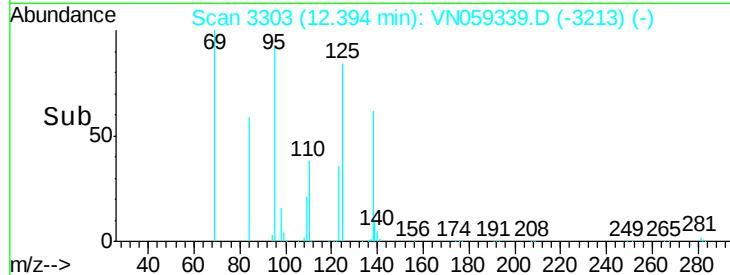
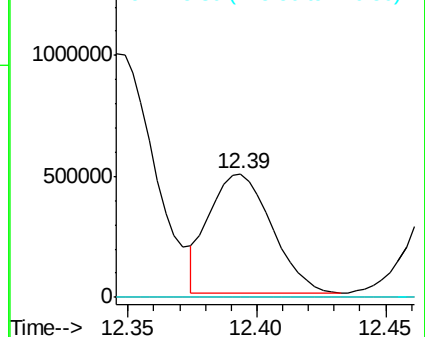
176 0.2 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): VN059321.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059321.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059321.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

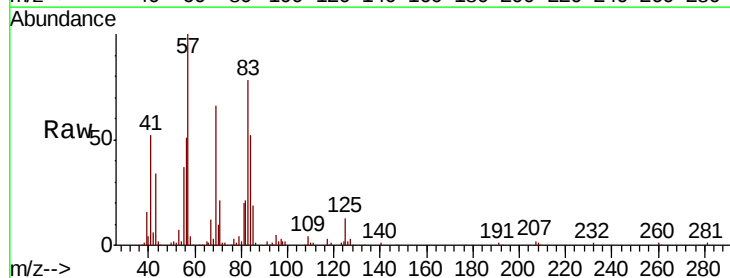
Tgt Ion: 117 Resp: 3807

Ion Ratio Lower Upper

117 100

82 0.0 45.7 68.5#

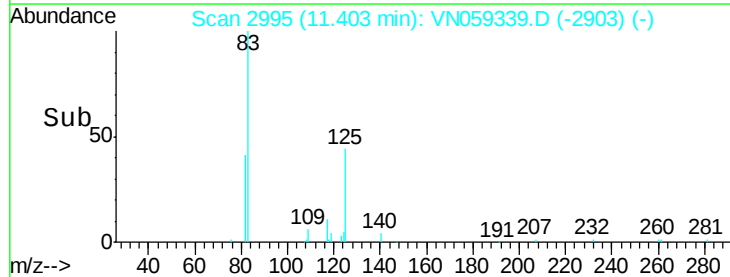
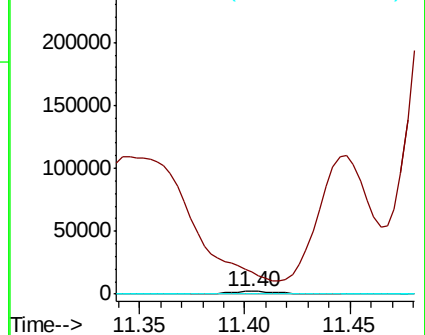
119 34.5 25.8 38.6

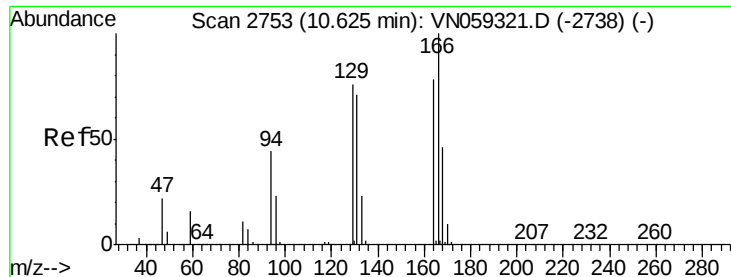


Abundance Ion 116.90 (116.60 to 117.60): VN059321.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059321.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059321.D (-2980) (-)





#64

Tetrachloroethene

Concen: 409.086 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

Tot Ion:164 Resp: 12045

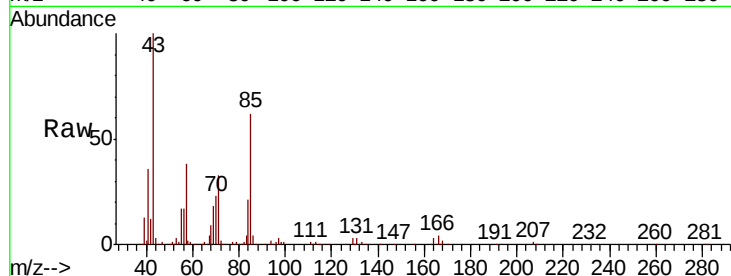
Ion Ratio Lower Upper

164 100

166 126.2 102.9 154.3

129 101.7 78.2 117.2

131 94.9 72.6 109.0

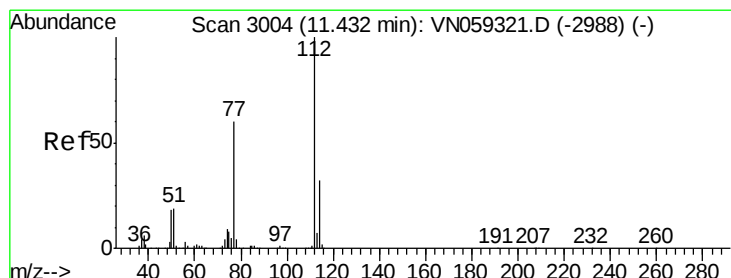
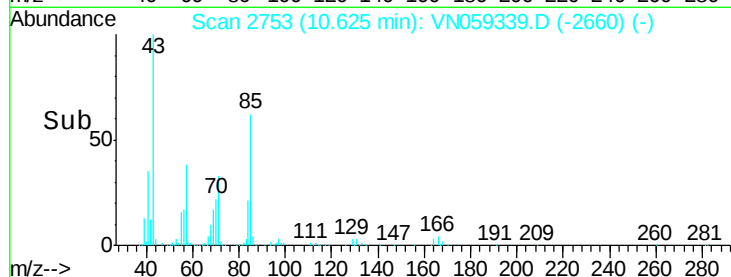
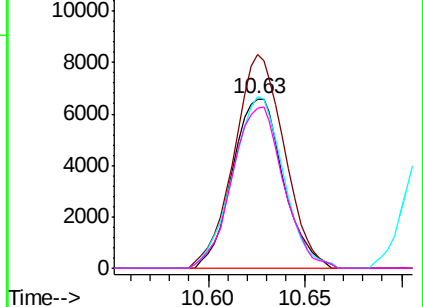


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1614.795 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN059339.D

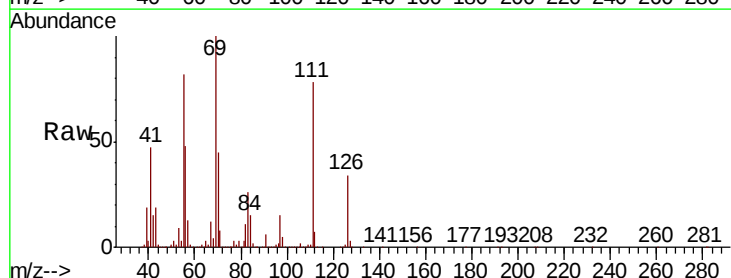
Acq: 21 Nov 2019 16:34

Tgt Ion:112 Resp: 132185

Ion Ratio Lower Upper

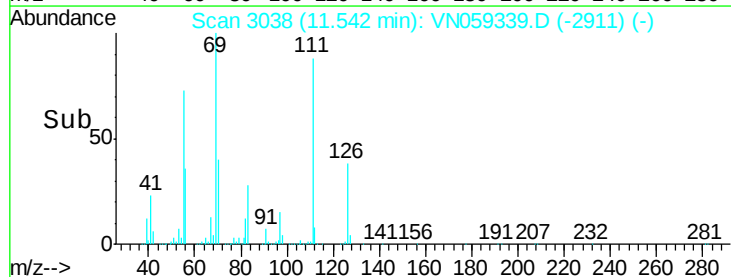
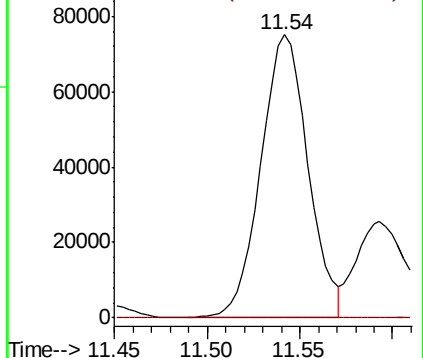
112 100

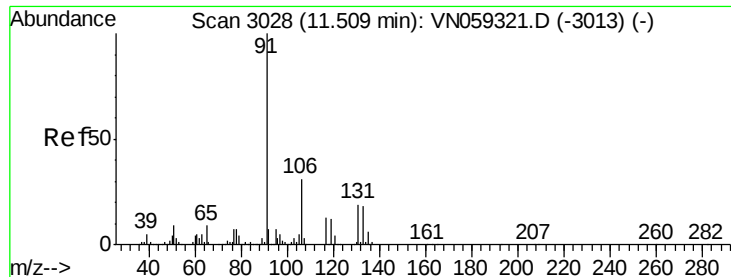
114 0.0 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 27651.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

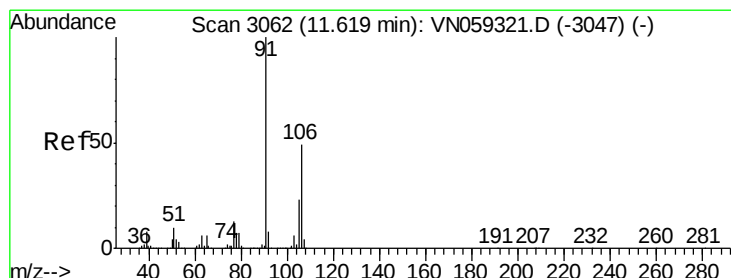
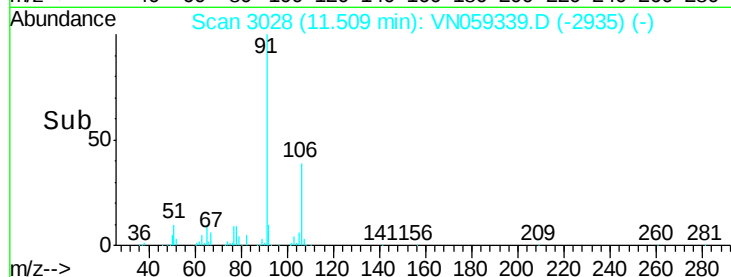
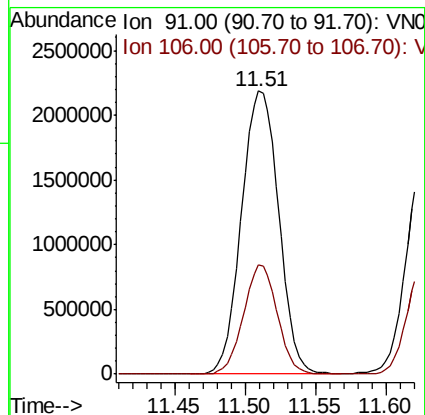
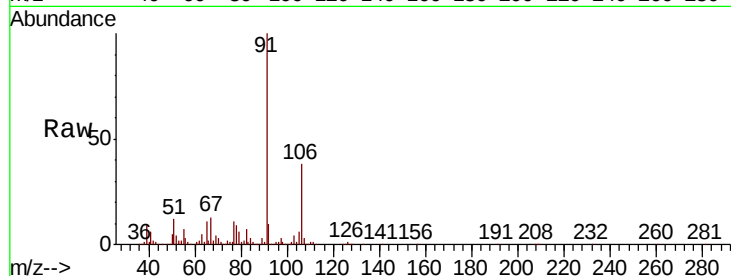
MW-2-(20-22)ME

Tot Ion: 91 Resp: 4041477

Ion Ratio Lower Upper

91 100

106 38.5 24.6 37.0#



#68

m/p-Xylenes

Concen: 28079.617 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN059339.D

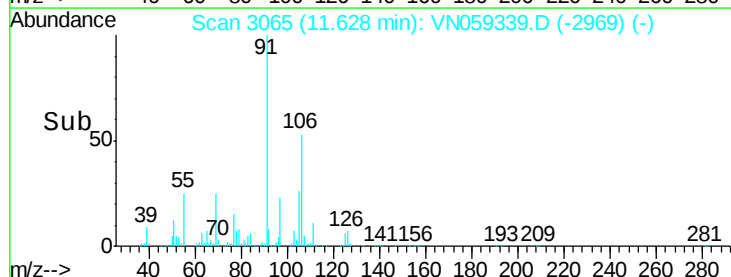
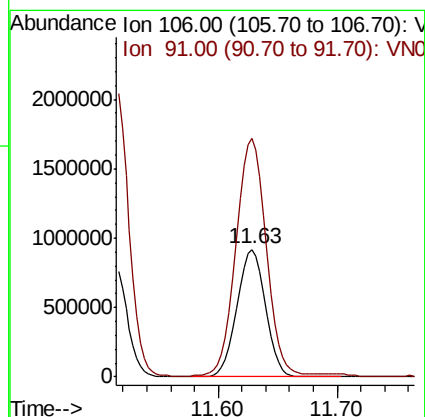
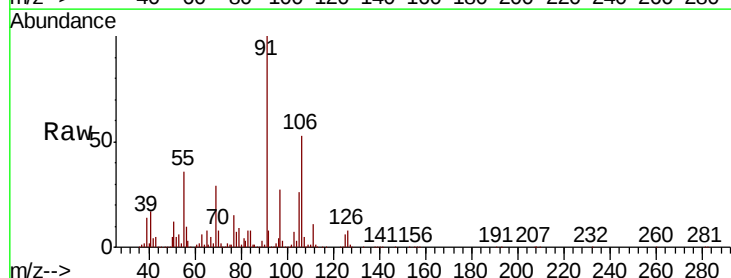
Acq: 21 Nov 2019 16:34

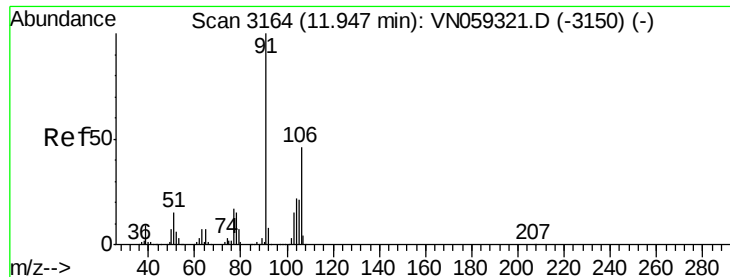
Tgt Ion: 106 Resp: 1524994

Ion Ratio Lower Upper

106 100

91 197.9 163.2 244.8





#69

o-Xylene

Concen: 282.574 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

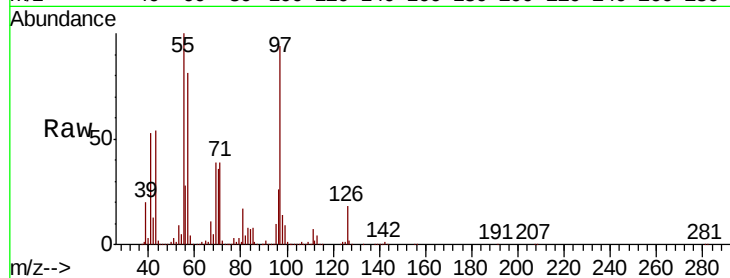
MW-2-(20-22)ME

Tot Ion:106 Resp: 14692

Ion Ratio Lower Upper

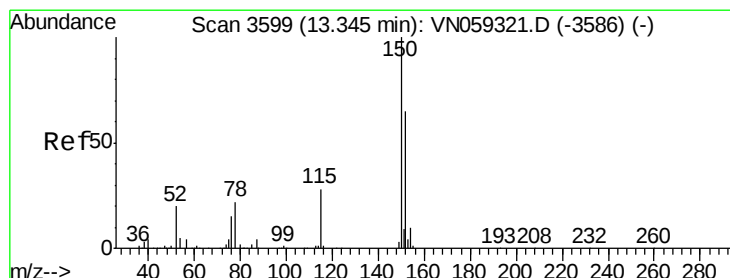
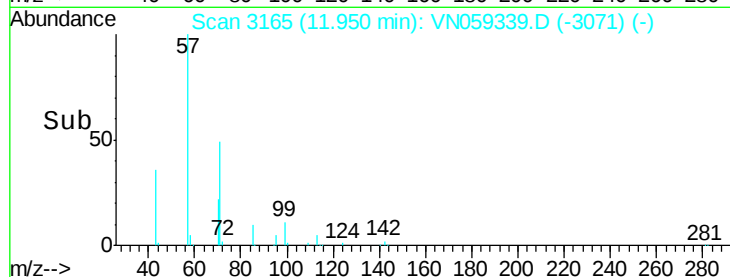
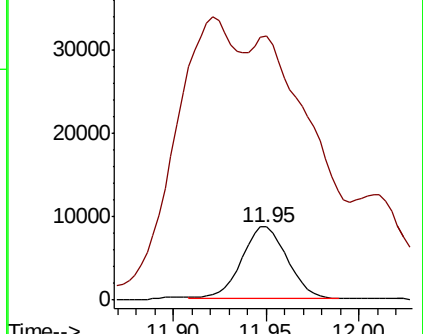
106 100

91 0.0 109.3 327.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

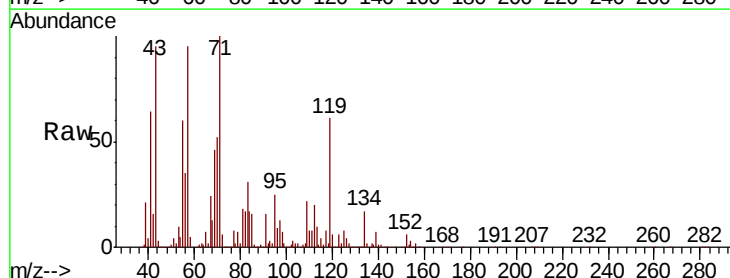
Tgt Ion:152 Resp: 129671

Ion Ratio Lower Upper

152 100

115 0.0 29.3 88.0#

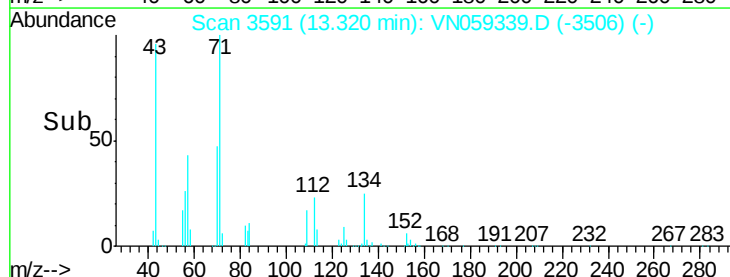
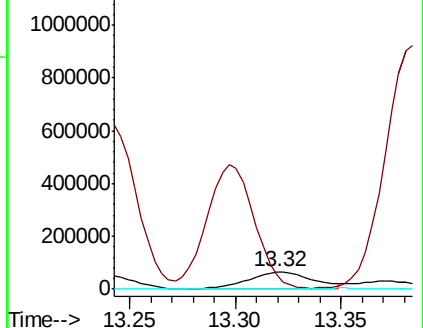
150 0.0 0.0 346.0

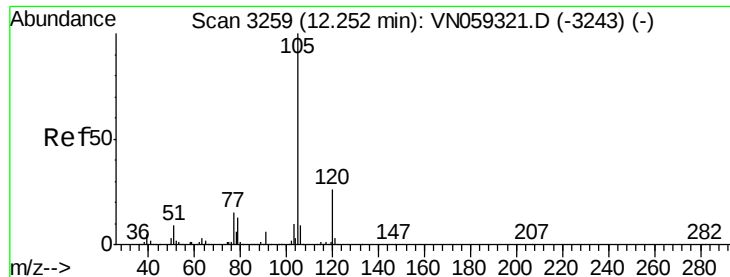


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 476.640 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

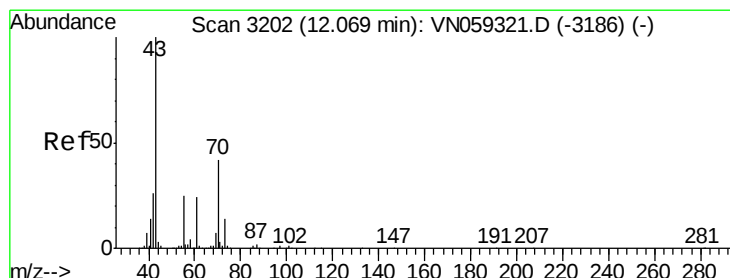
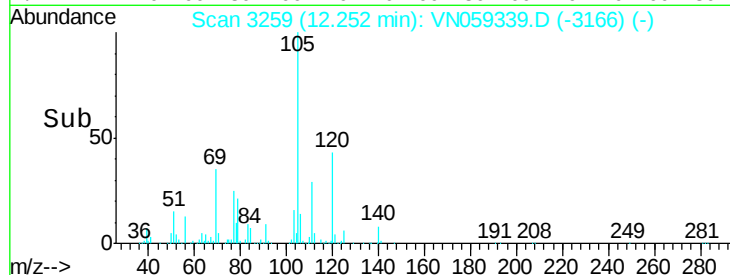
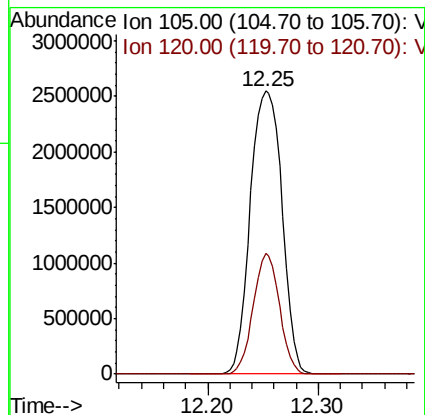
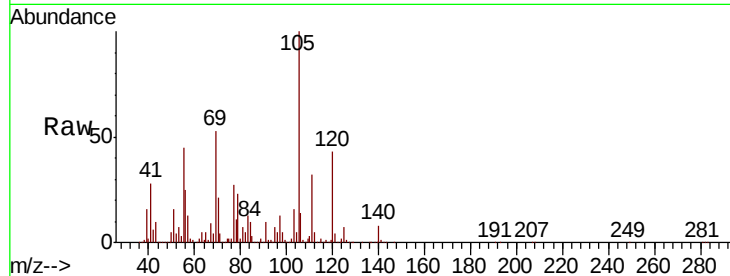
MW-2-(20-22)ME

Tot Ion:105 Resp: 5063087

Ion Ratio Lower Upper

105 100

120 35.5 13.1 39.3



#74

N-ethyl acetate

Concen: 835.934 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. -0.02 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Tgt Ion: 43 Resp: 3568644

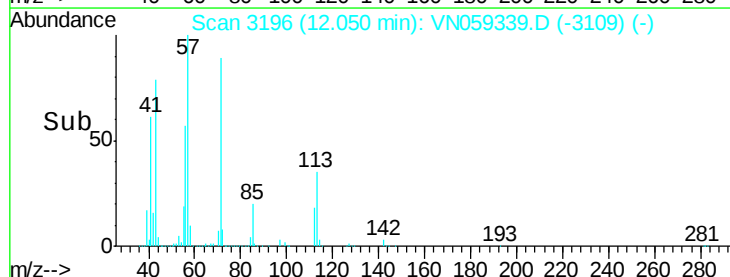
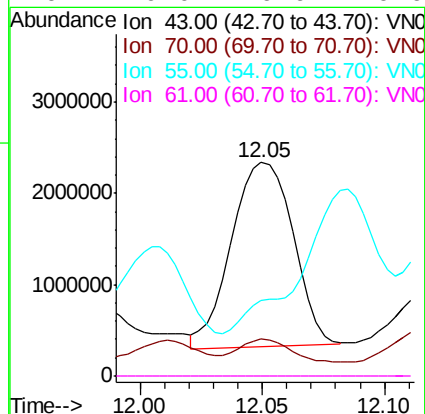
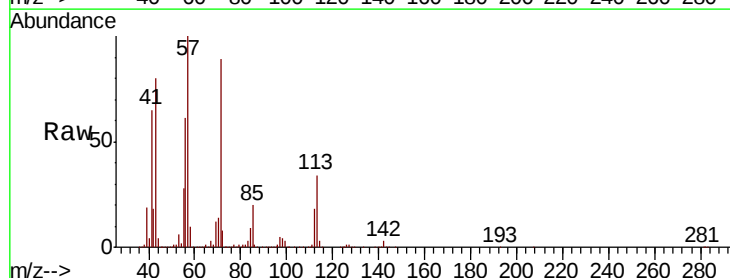
Ion Ratio Lower Upper

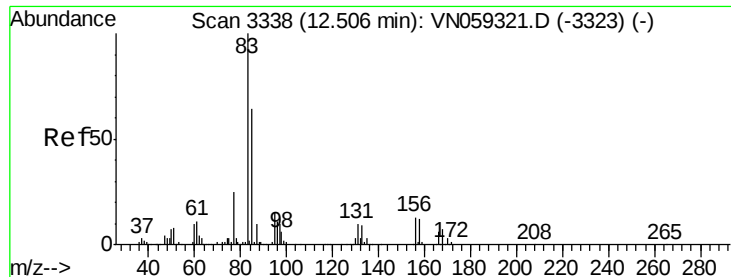
43 100

70 9.9 33.8 50.6#

55 0.0 20.3 30.5#

61 0.0 19.9 29.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 190.420 ug/l

RT: 12.47 min Scan# 3327

Delta R.T. -0.04 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

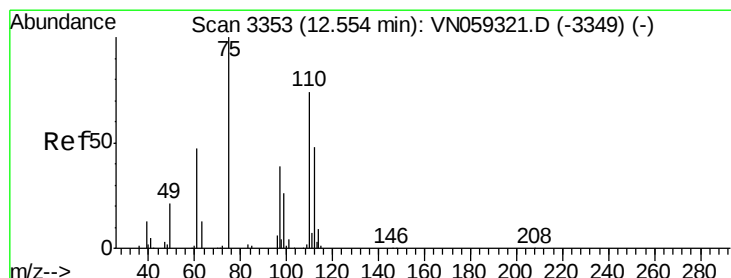
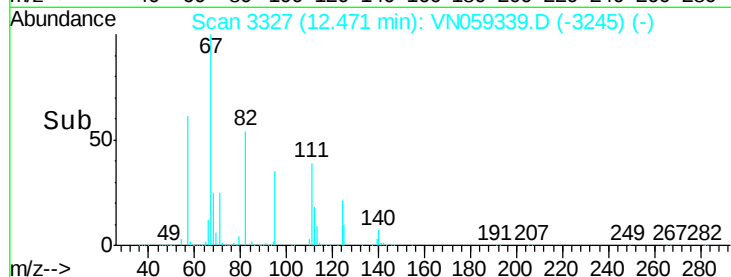
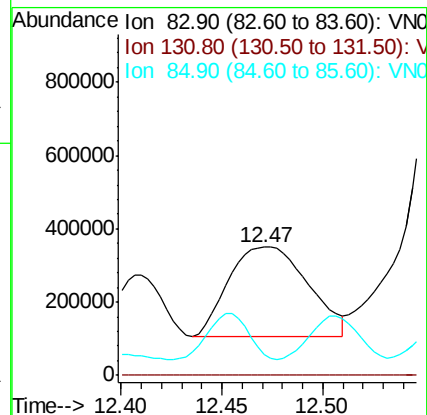
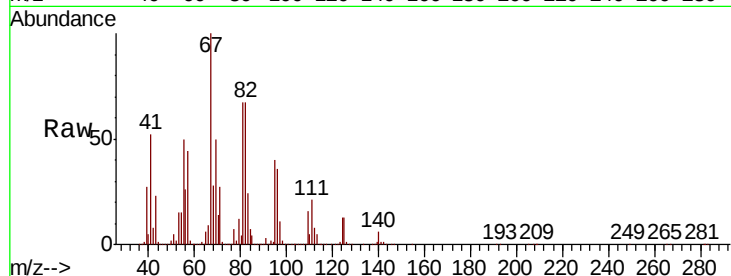
Tot Ion: 83 Resp: 669115

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 26.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 39.397 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.04 min

Lab File: VN059339.D

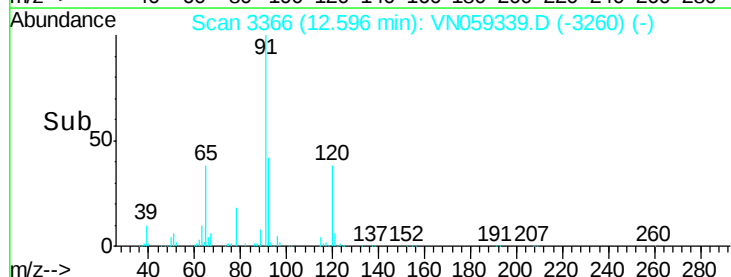
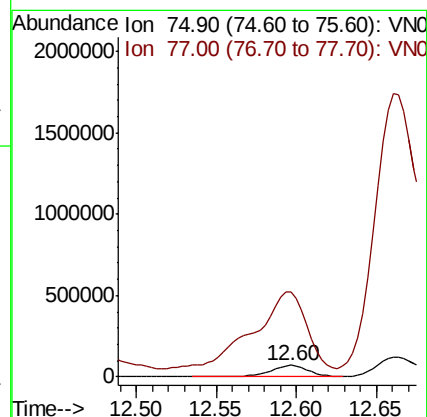
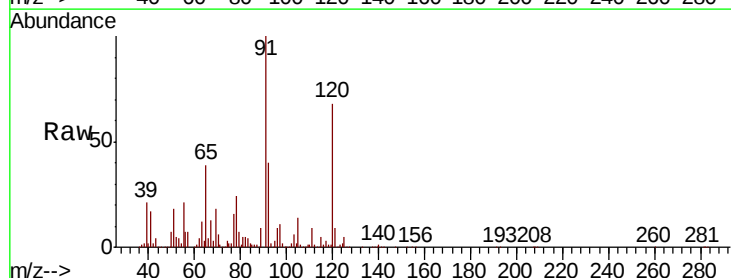
Acq: 21 Nov 2019 16:34

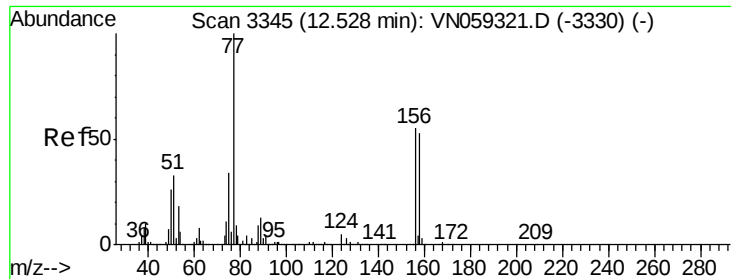
Tgt Ion: 75 Resp: 118023

Ion Ratio Lower Upper

75 100

77 884.2 0.0 0.0#





#77

Bromobenzene

Concen: 1.832 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

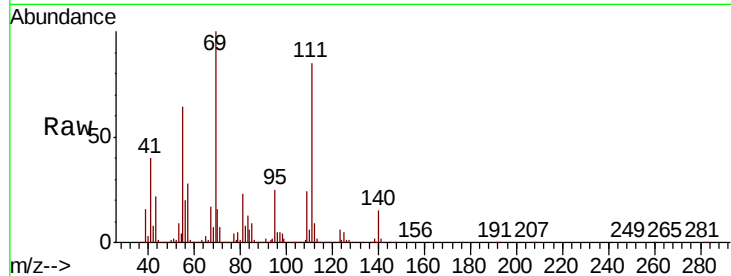
Tot Ion:156 Resp: 4719

Ion Ratio Lower Upper

156 100

77 0.0 111.1 333.4#

158 3.6 47.8 143.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

500000

400000

300000

200000

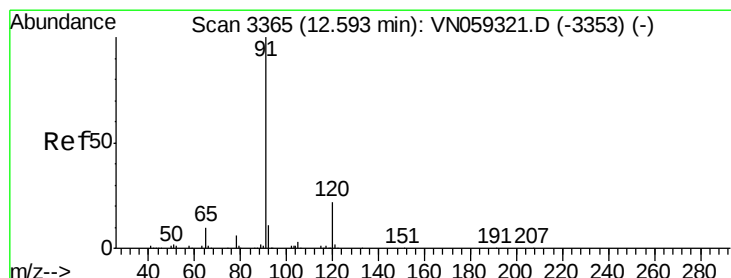
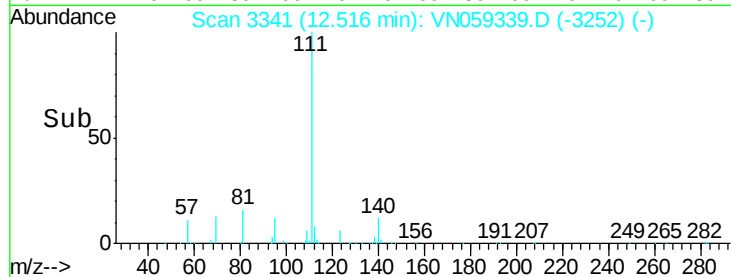
100000

0

12.45 12.50 12.55

12.52

Time-->



#78

n-propylbenzene

Concen: 673.614 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059339.D

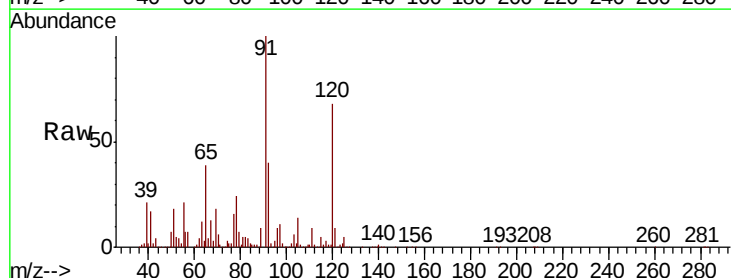
Acq: 21 Nov 2019 16:34

Tgt Ion: 91 Resp: 8105283

Ion Ratio Lower Upper

91 100

120 49.9 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

4000000

3000000

2000000

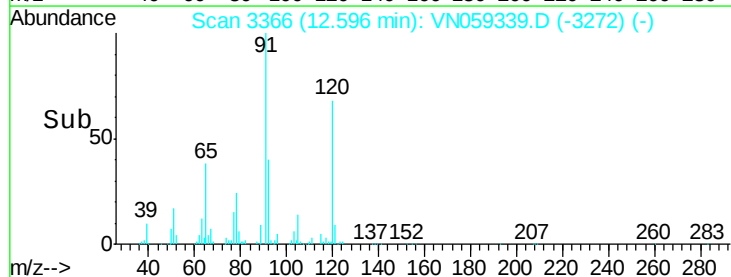
1000000

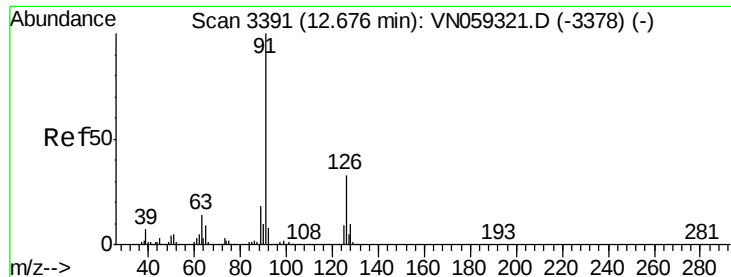
0

12.50 12.55 12.60 12.65

12.60

Time-->

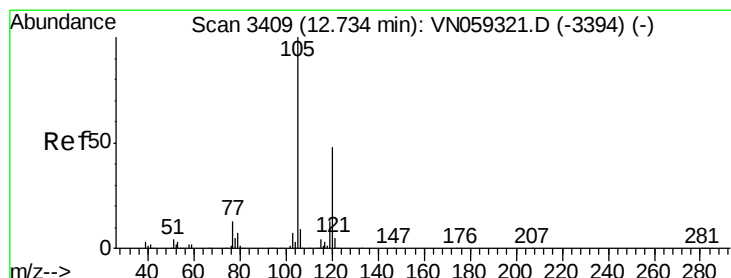
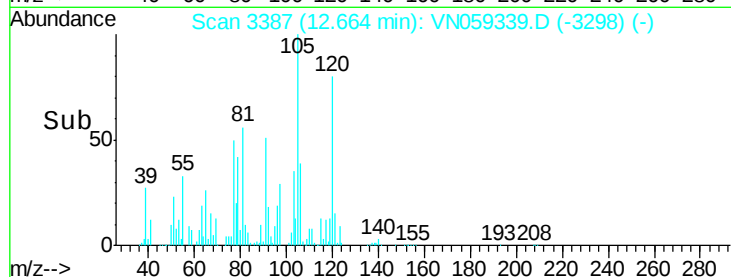
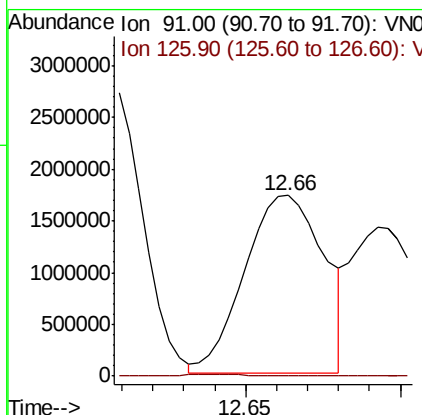
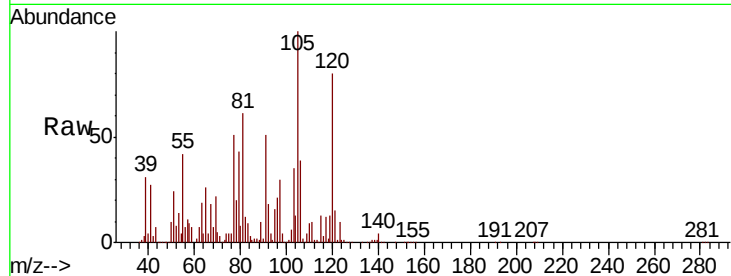




#79  
 2-Chlorotoluene  
 Concen: 415.499 ug/l  
 RT: 12.66 min Scan# 3387  
 Delta R.T. -0.01 min  
 Lab File: VN059339.D  
 Acq: 21 Nov 2019 16:34

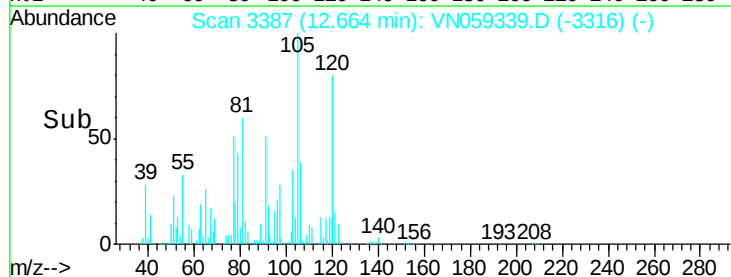
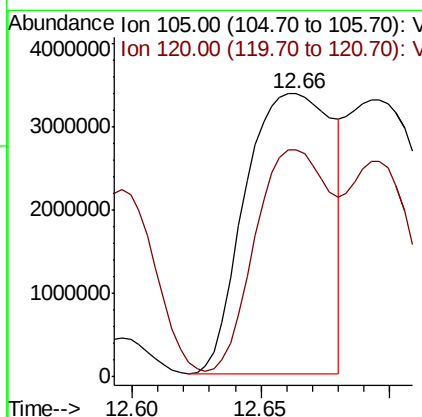
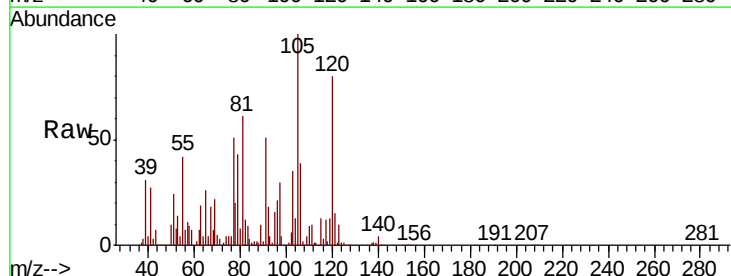
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-(20-22)ME

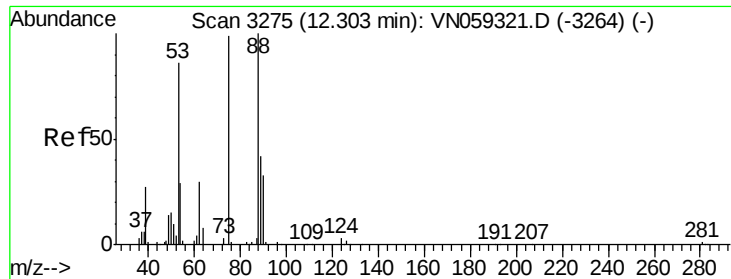
Tot Ion: 91 Resp: 3068701  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 16.7 50.1#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 886.456 ug/l  
 RT: 12.66 min Scan# 3387  
 Delta R.T. -0.07 min  
 Lab File: VN059339.D  
 Acq: 21 Nov 2019 16:34

Tgt Ion: 105 Resp: 7915674  
 Ion Ratio Lower Upper  
 105 100  
 120 68.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 61.970 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

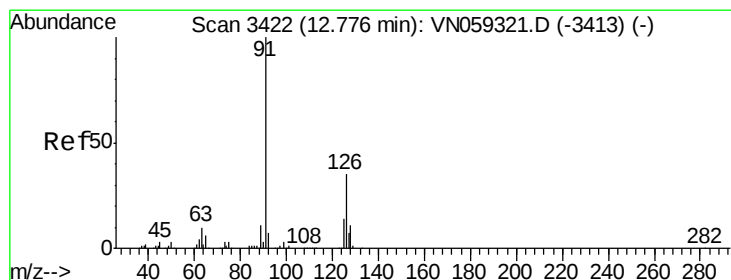
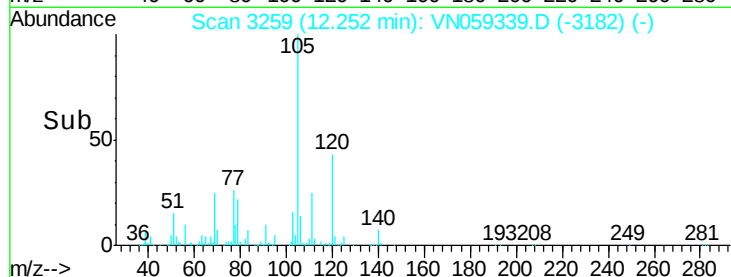
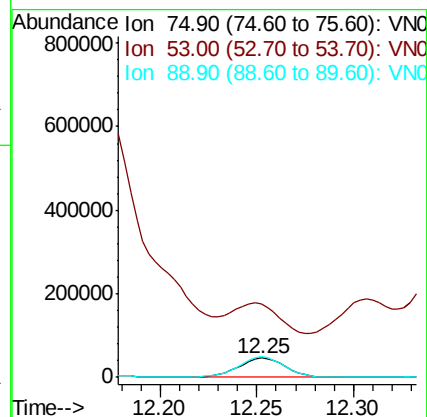
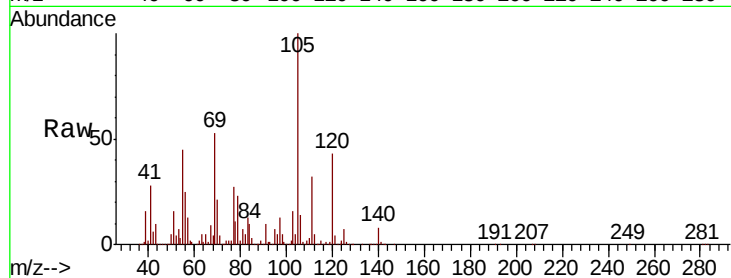
Tot Ion: 75 Resp: 74224

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

89 106.2 35.4 53.0#



#82

4-Chlorotoluene

Concen: 397.626 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. -0.04 min

Lab File: VN059339.D

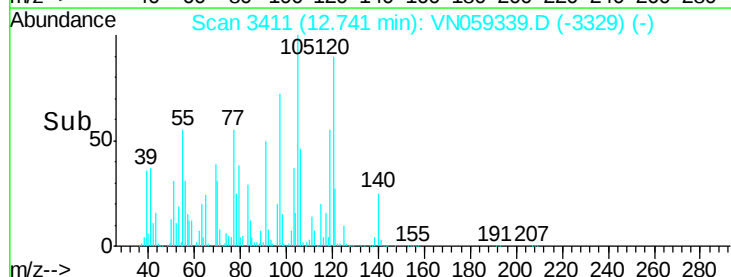
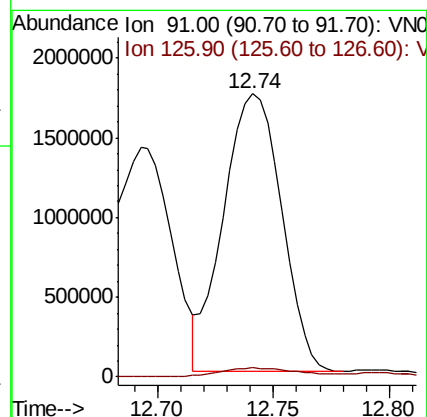
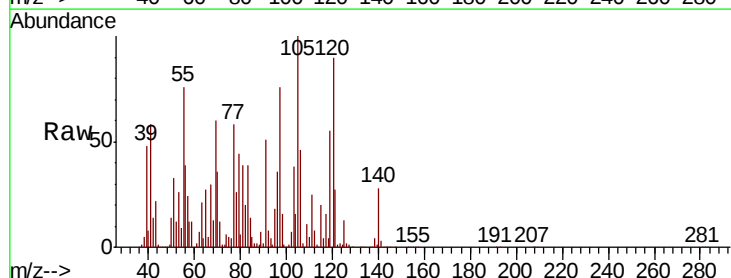
Acq: 21 Nov 2019 16:34

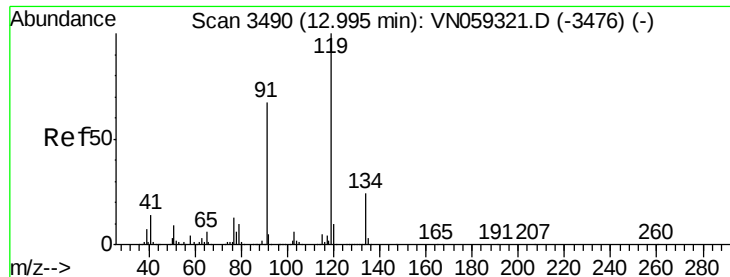
Tgt Ion: 91 Resp: 3038964

Ion Ratio Lower Upper

91 100

126 4.0 16.2 48.6#

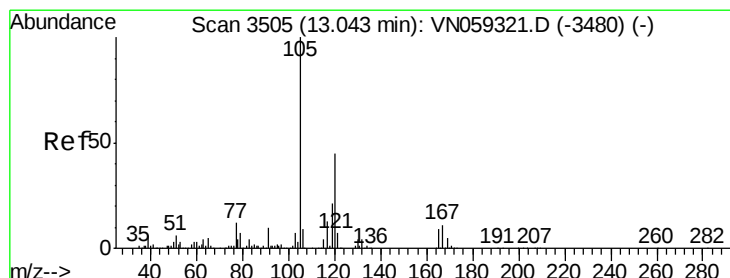
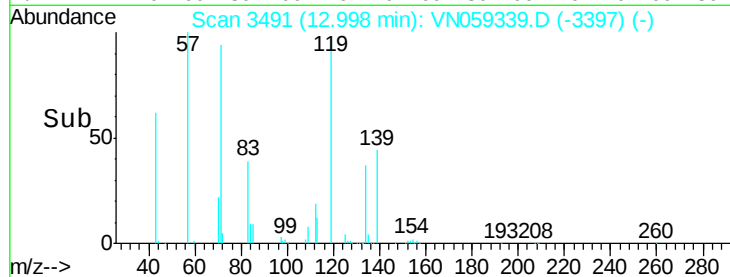
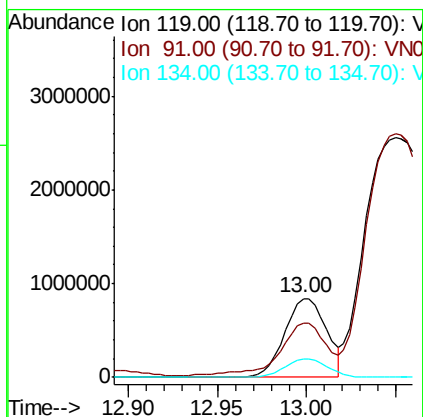
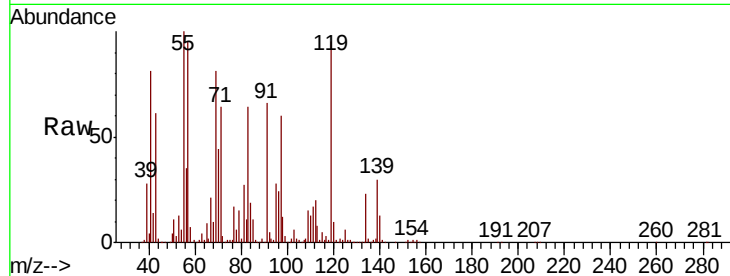




#83  
tert-Butylbenzene  
Concen: 181.154 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

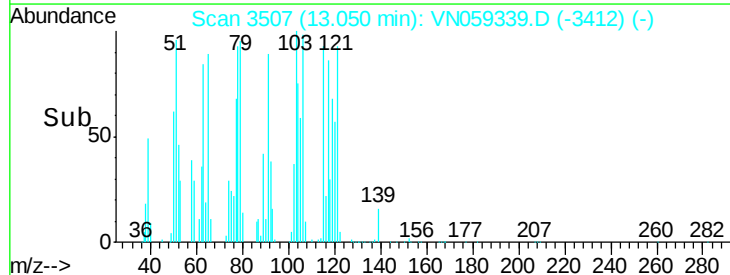
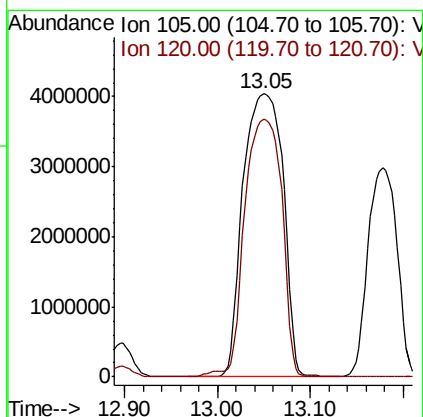
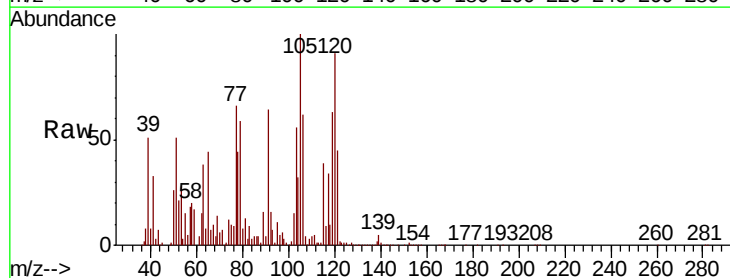
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2-(20-22)ME

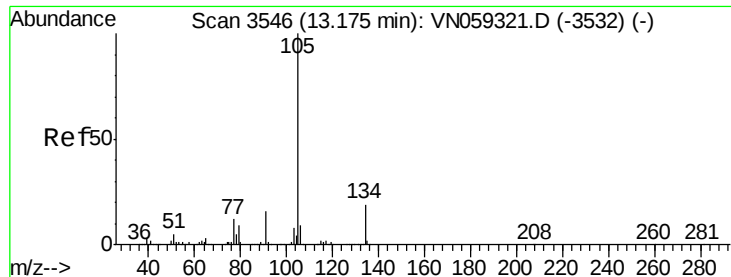
Tot Ion:119 Resp: 1366205  
Ion Ratio Lower Upper  
119 100  
91 72.5 32.8 98.4  
134 24.2 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 1391.036 ug/l  
RT: 13.05 min Scan# 3507  
Delta R.T. 0.01 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion:105 Resp:12167708  
Ion Ratio Lower Upper  
105 100  
120 84.5 22.6 67.8#





#85

sec-Butylbenzene

Concen: 637.029 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

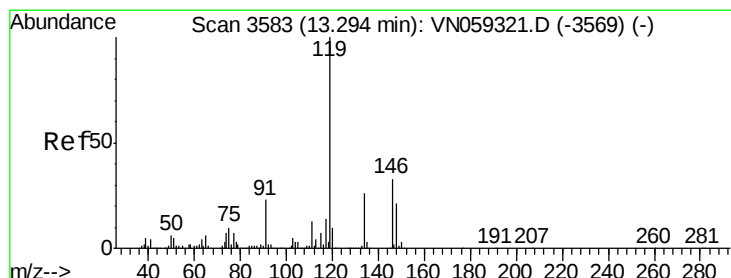
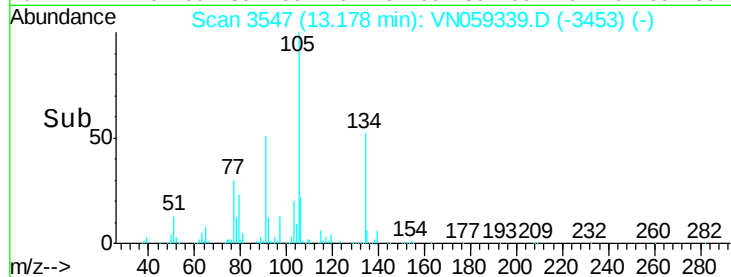
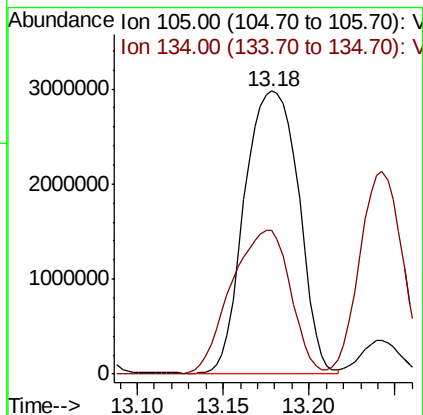
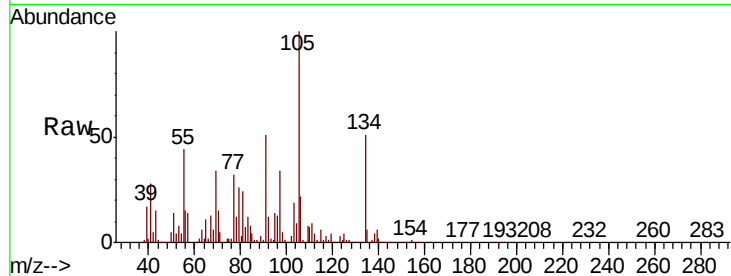
MW-2-(20-22)ME

Tot Ion:105 Resp: 6457163

Ion Ratio Lower Upper

105 100

134 56.2 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 246.470 ug/l

RT: 13.45 min Scan# 3631

Delta R.T. 0.15 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

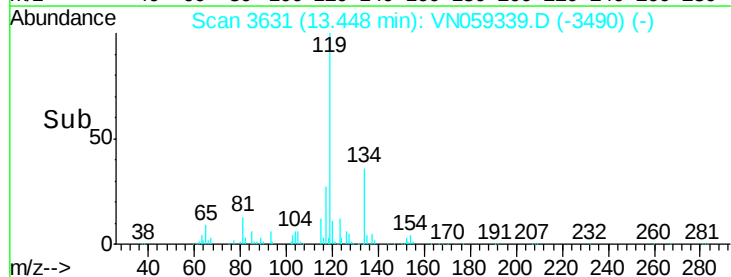
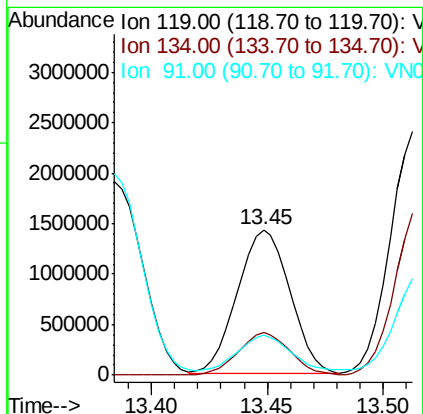
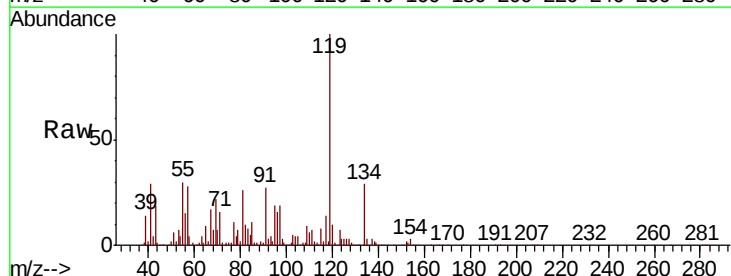
Tgt Ion:119 Resp: 2223146

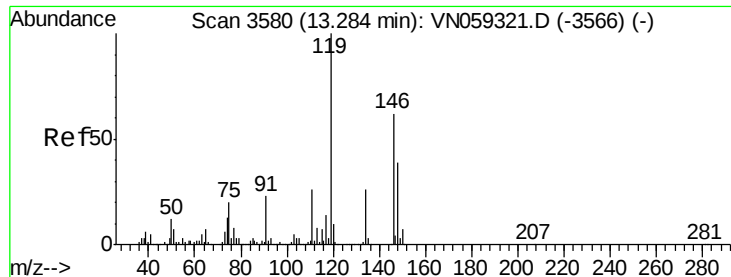
Ion Ratio Lower Upper

119 100

134 29.5 13.0 38.9

91 23.6 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 0.258 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.01 min

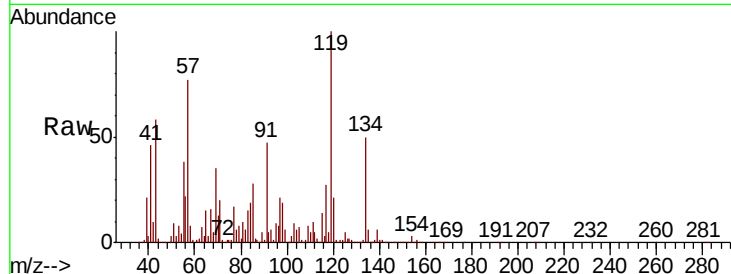
Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

Tot Ion:146 Resp: 1186

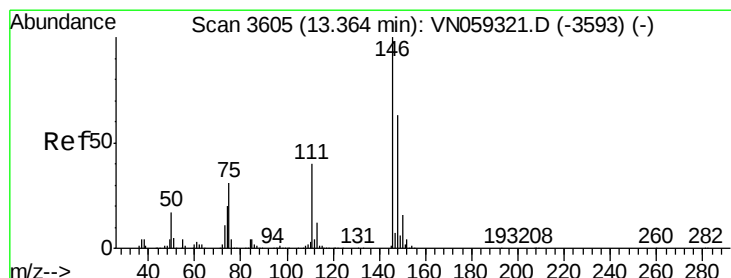
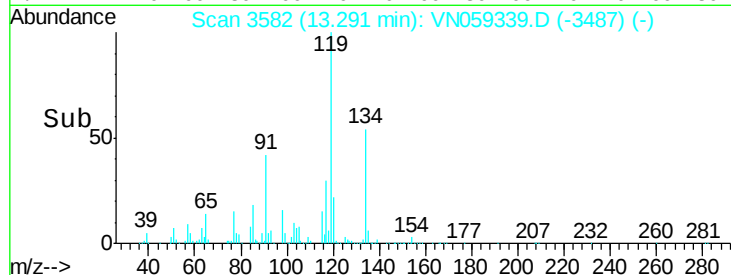
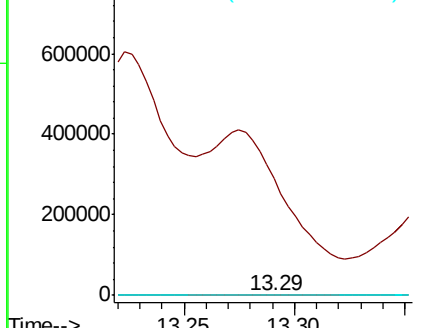
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 0.0   | 20.6  | 61.8# |
| 148 | 49.0  | 31.9  | 95.5  |



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.229 ug/l

RT: 13.37 min Scan# 3607

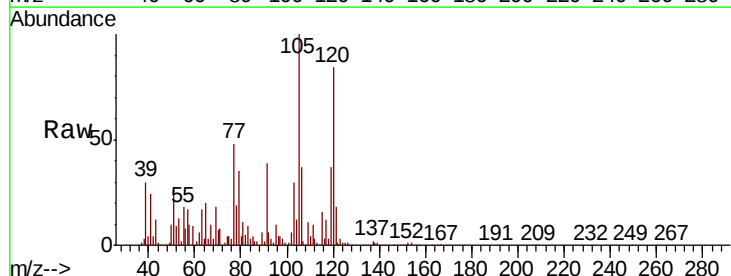
Delta R.T. 0.01 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Tgt Ion:146 Resp: 5579

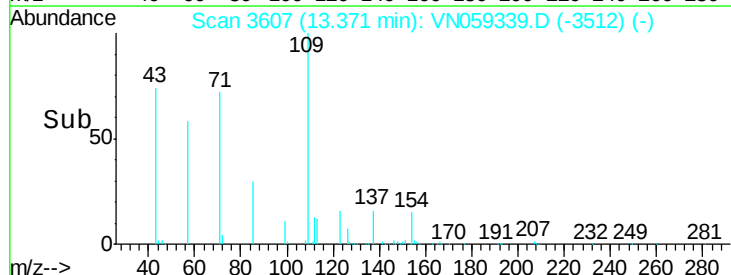
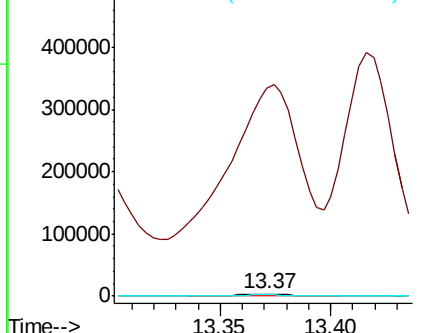
| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 146 | 100    |       |       |
| 111 | 9405.8 | 20.1  | 60.3# |
| 148 | 65.0   | 31.7  | 95.1  |

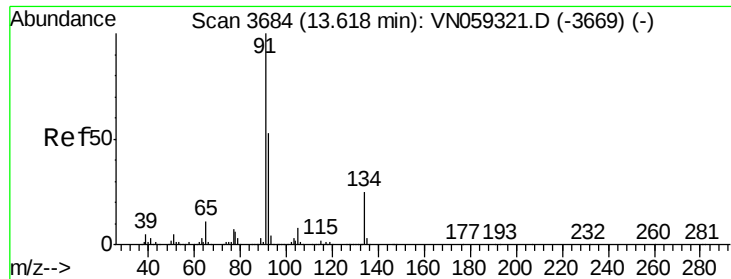


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

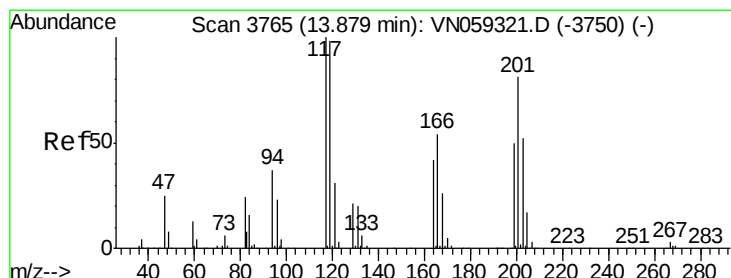
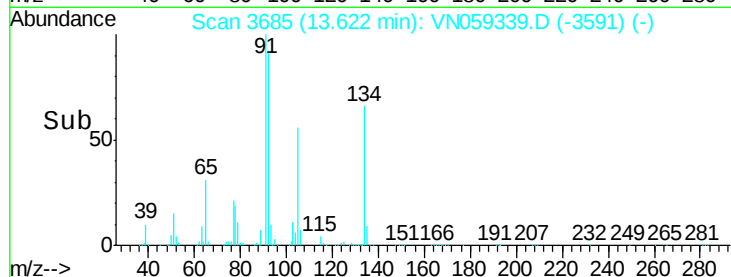
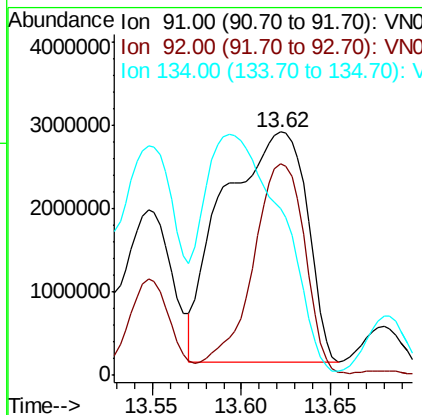
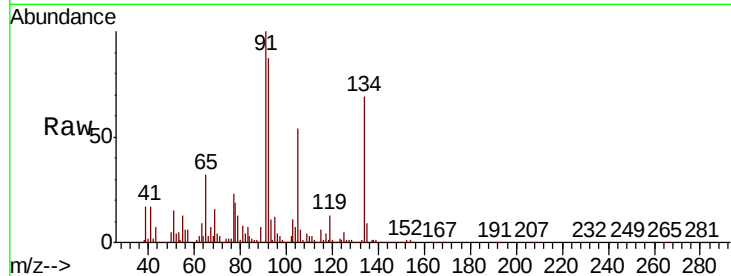




#89  
n-Butylbenzene  
Concen: 1136.736 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

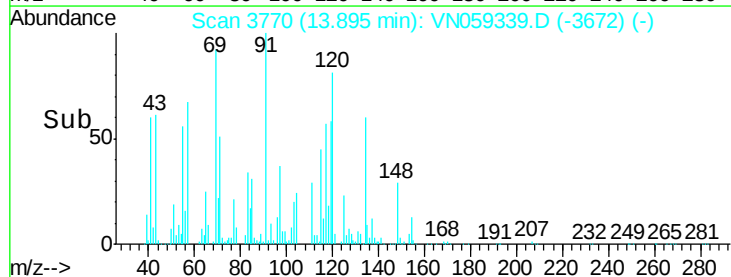
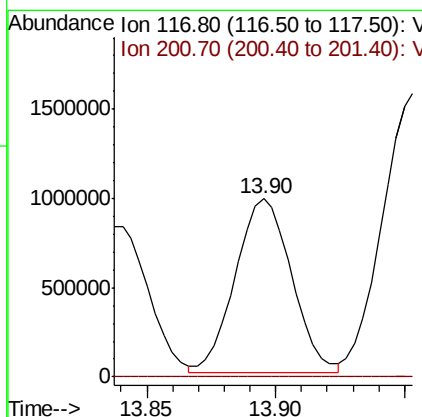
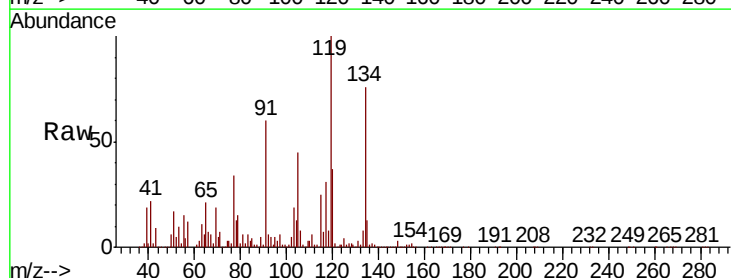
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2-(20-22)ME

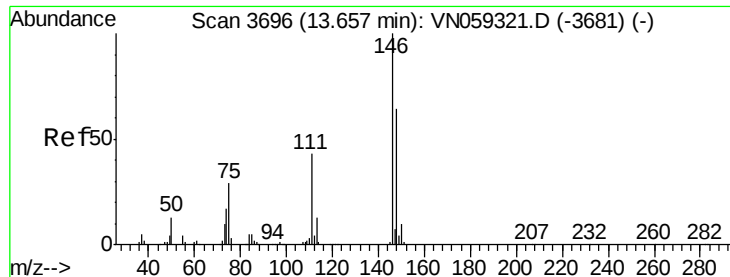
Tot Ion: 91 Resp: 8994537  
Ion Ratio Lower Upper  
91 100  
92 58.2 26.0 78.0  
134 0.0 12.7 38.1#



#90  
Hexachloroethane  
Concen: 872.283 ug/l  
RT: 13.90 min Scan# 3770  
Delta R.T. 0.02 min  
Lab File: VN059339.D  
Acq: 21 Nov 2019 16:34

Tgt Ion: 117 Resp: 1490062  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.4 121.2#





#91

1,2-Dichlorobenzene

Concen: 0.524 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

Instrument :

MSVOA\_N

ClientSampleId :

MW-2-(20-22)ME

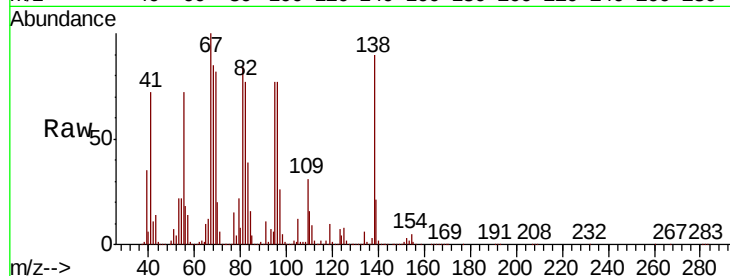
Tot Ion:146 Resp: 2324

Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

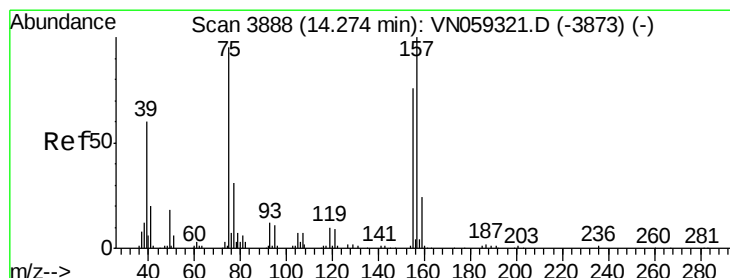
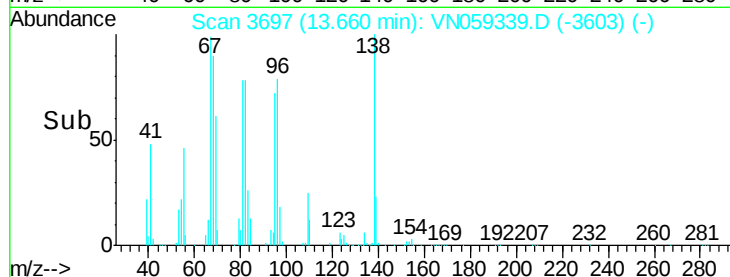
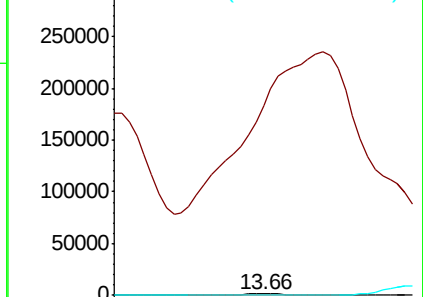
148 0.0 31.9 95.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.099 ug/l

RT: 14.30 min Scan# 3896

Delta R.T. 0.03 min

Lab File: VN059339.D

Acq: 21 Nov 2019 16:34

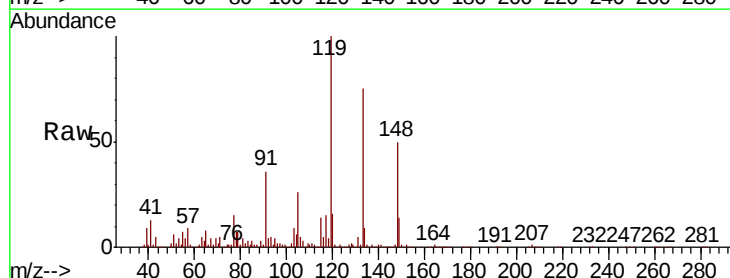
Tgt Ion: 75 Resp: 30704

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

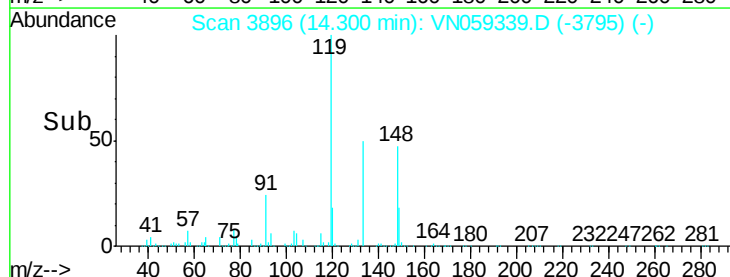
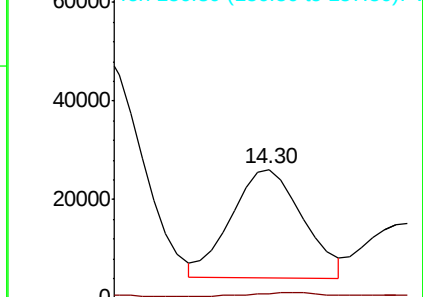
157 0.0 52.7 158.1#

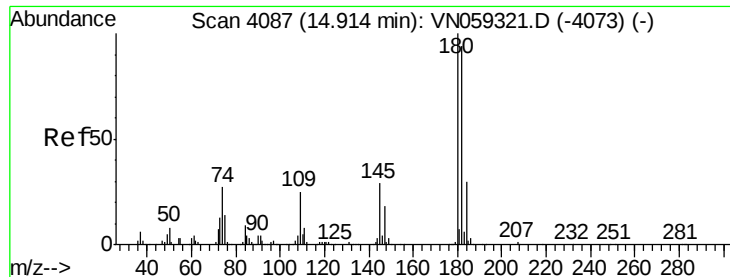


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

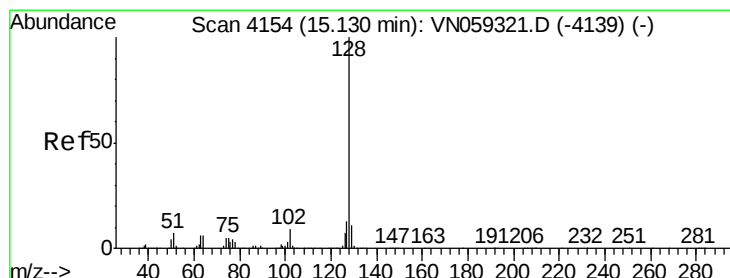
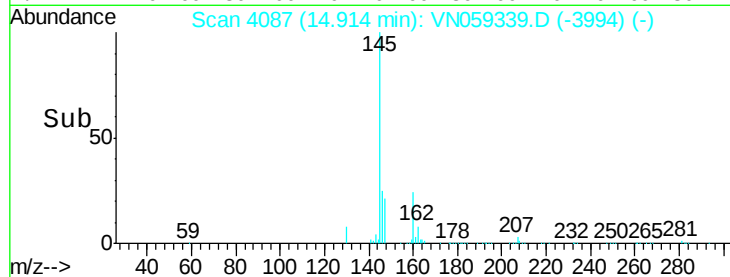
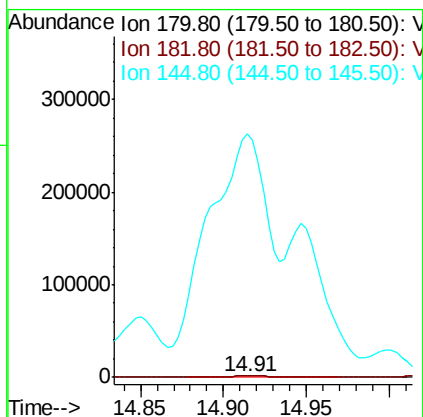
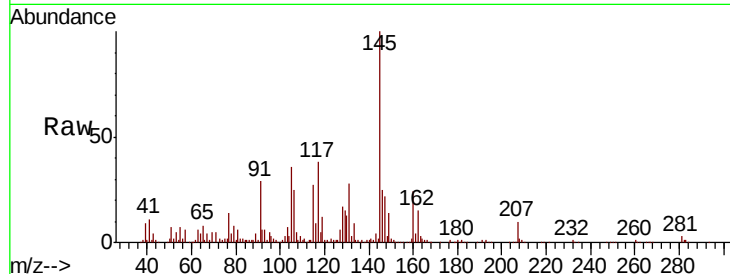




#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.892 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN059339.D  
 Acq: 21 Nov 2019 16:34

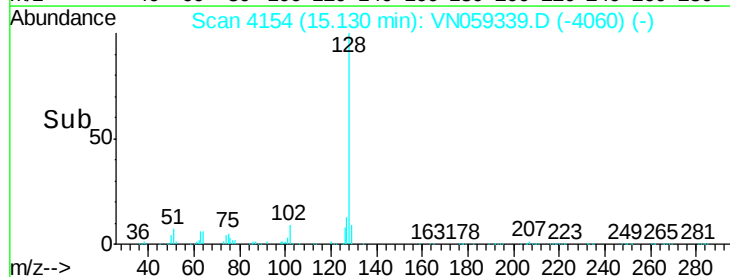
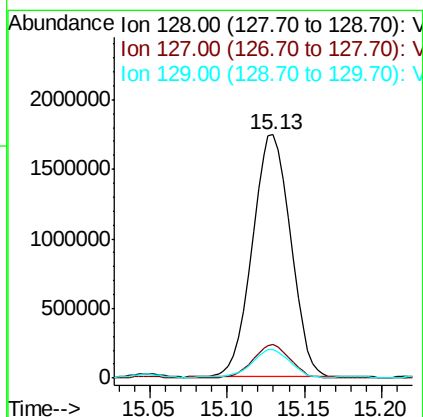
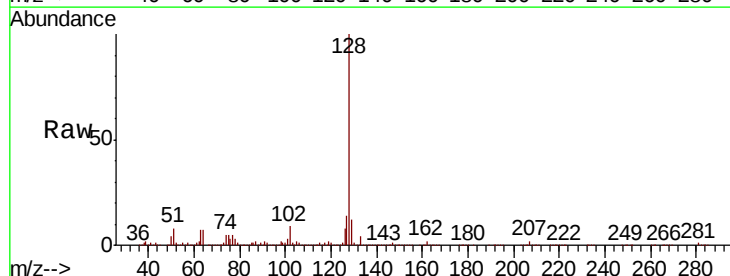
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-(20-22)ME

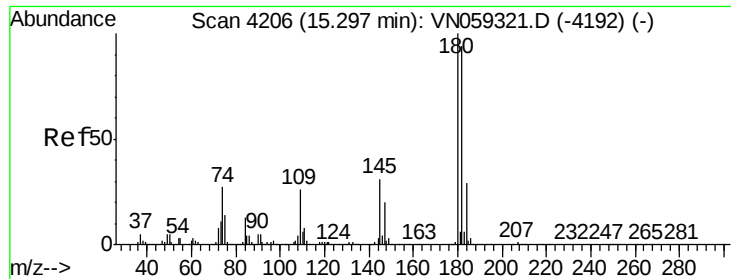
Tot Ion:180 Resp: 2796  
 Ion Ratio Lower Upper  
 180 100  
 182 84.2 47.2 141.6  
 145 23924.7 14.9 44.5#



#95  
 Naphthalene  
 Concen: 371.908 ug/l  
 RT: 15.13 min Scan# 4154  
 Delta R.T. 0.00 min  
 Lab File: VN059339.D  
 Acq: 21 Nov 2019 16:34

Tgt Ion:128 Resp: 3009794  
 Ion Ratio Lower Upper  
 128 100  
 127 13.2 10.2 15.2  
 129 11.2 8.6 13.0





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.604 ug/l  
 RT: 15.29 min Scan# 4205  
 Delta R.T. -0.00 min  
 Lab File: VN059339.D  
 Acq: 21 Nov 2019 16:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2-(20-22)ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 137.0 | 47.1  | 141.4 |
| 145     | 0.0   | 15.6  | 46.8# |

