

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN050319\  
 Data File : VN055391.D  
 Acq On : 3 May 2019 15:47  
 Operator : JC/SP  
 Sample : K2658-01DL 100X  
 Misc : 6.10µ/5mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-SB-W2(14-17)DL

Quant Time: May 03 23:22:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 449220   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 766891   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 695199   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 245108   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 304365   | 51.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.58% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 248609   | 49.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.78%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 943829   | 51.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.86% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 310988   | 54.75 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.50% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 16) Acetone                    | 3.83  | 43   | 1504     | 0.821     | ug/l # | 45     |
| 18) Methyl Acetate             | 4.36  | 43   | 3212     | Below Cal | #      | 64     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 397      | 0.265     | ug/l # | 53     |
| 31) Cyclohexane                | 7.67  | 56   | 9544     | 1.032     | ug/l # | 1      |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 42147    | 5.948     | ug/l # | 17     |
| 39) Methylcyclohexane          | 9.08  | 83   | 1733     | 0.222     | ug/l   | 92     |
| 41) Methacrylonitrile          | 7.23  | 41   | 371      | 0.860     | ug/l # | 23     |
| 43) Isopropyl Acetate          | 8.27  | 43   | 15305    | 1.692     | ug/l # | 56     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1136     | 0.223     | ug/l # | 81     |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 5776     | 1.252     | ug/l # | 17     |
| 56) Ethyl methacrylate         | 10.43 | 69   | 2949     | 0.519     | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.72 | 43   | 55707    | 17.479    | ug/l # | 31     |
| 73) Isopropylbenzene           | 12.25 | 105  | 39000    | Below Cal |        | 99     |
| 74) N-amyl acetate             | 12.04 | 43   | 277407   | 44.100    | ug/l # | 66     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 13945    | Below Cal | #      | 27     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 159752   | 34.273    | ug/l # | 100    |
| 77) Bromobenzene               | 12.52 | 156  | 114      | Below Cal | #      | 1      |
| 78) n-propylbenzene            | 12.59 | 91   | 174327   | 6.924     | ug/l   | 99     |
| 79) 2-Chlorotoluene            | 12.73 | 91   | 12488    | Below Cal |        | 89     |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 107190   | 5.578     | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 159752   | 123.513   | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 12.73 | 91   | 12485    | 0.853     | ug/l   | 89     |
| 83) tert-Butylbenzene          | 12.99 | 119  | 19135    | Below Cal |        | 89     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 667187   | 38.823    | ug/l   | 100    |
| 85) sec-Butylbenzene           | 13.17 | 105  | 132485   | 6.343     | ug/l # | 78     |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 123835   | 7.214     | ug/l   | 100    |
| 89) n-Butylbenzene             | 13.61 | 91   | 100389   | 8.230     | ug/l # | 79     |
| 90) Hexachloroethane           | 13.89 | 117  | 19344    | 5.722     | ug/l # | 7      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 1034     | 1.604     | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 2347     | 3.994     | ug/l # | 1      |
| 94) Hexachlorobutadiene        | 15.01 | 225  | 1270     | Below Cal |        | 90     |
| 95) Naphthalene                | 15.13 | 128  | 7740     | 4.389     | ug/l # | 97     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 2147     | 3.257     | ug/l # | 76     |

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MSVOA\_N  
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EP1-SB-W2(14-17)DL

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Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

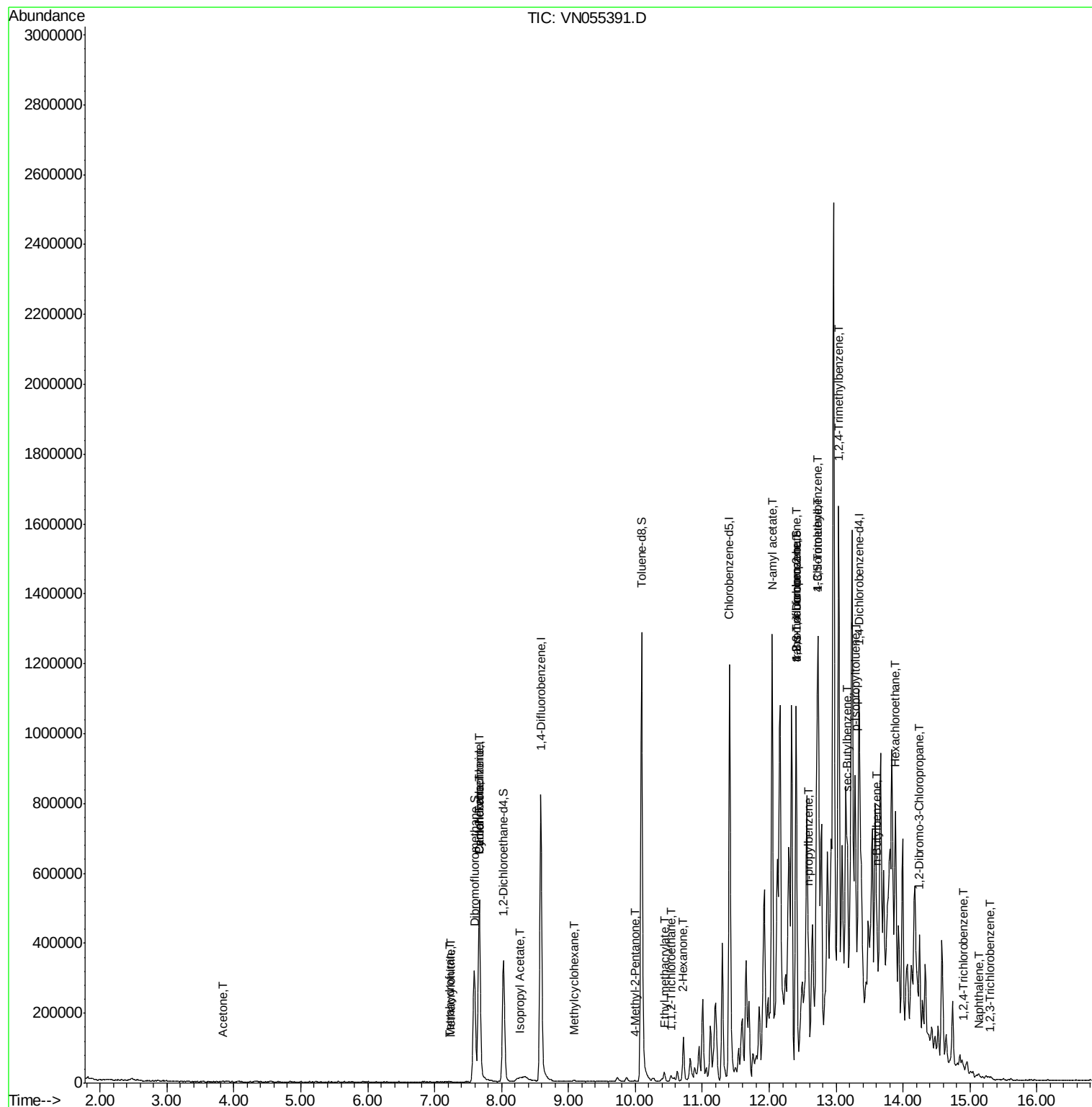
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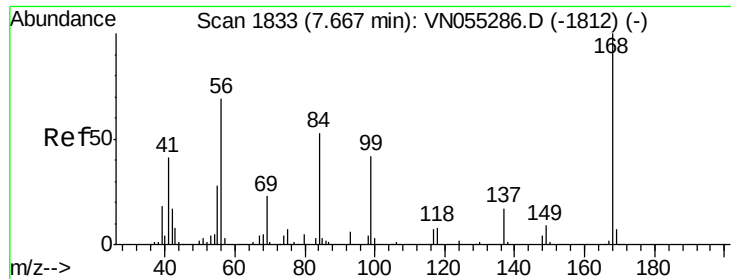
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050319\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

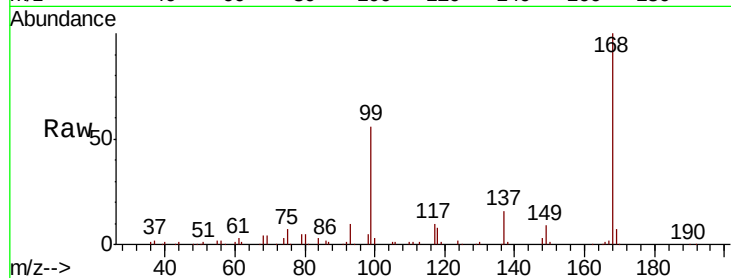
EP1-SB-W2(14-17)DL

Tot Ion:168 Resp: 449220

Ion Ratio Lower Upper

168 100

99 56.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

200000

150000

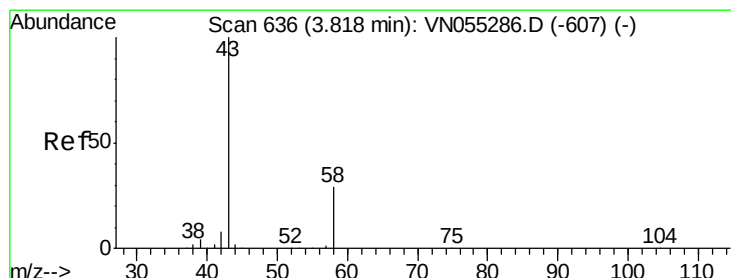
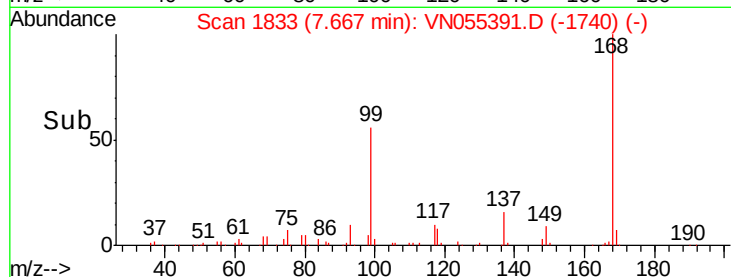
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 0.821 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN055391.D

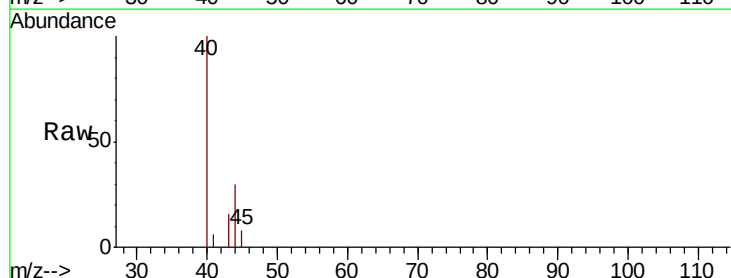
Acq: 3 May 2019 15:47

Tgt Ion: 43 Resp: 1504

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

3.83

500

400

300

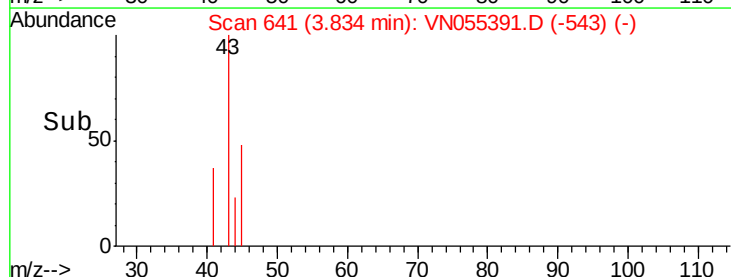
200

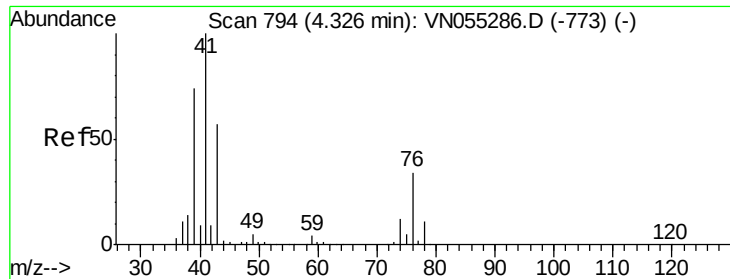
100

0

3.75 3.80 3.85 3.90

Time-->

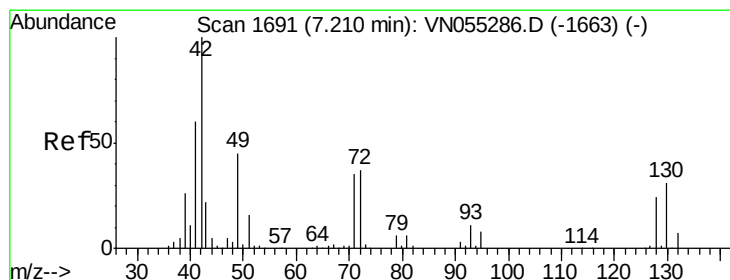
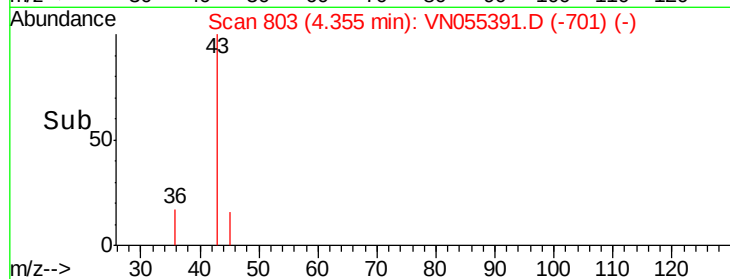
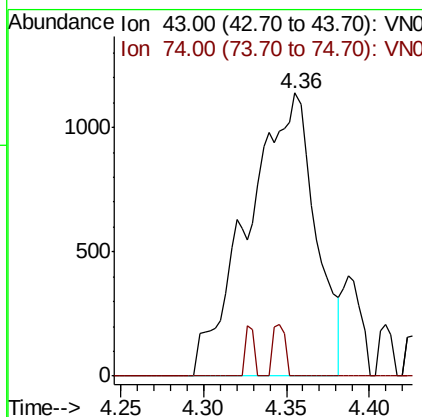
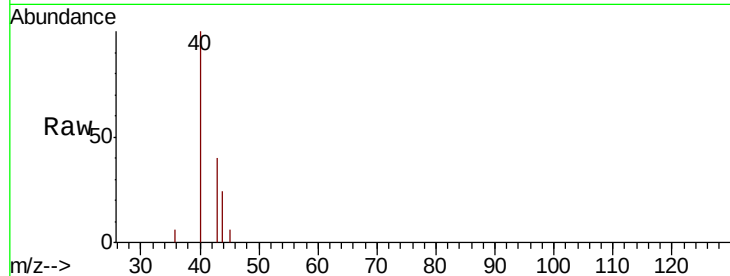




#18  
Methvl Acetate  
Concen: Below Cal  
RT: 4.36 min Scan# 803  
Delta R.T. 0.03 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

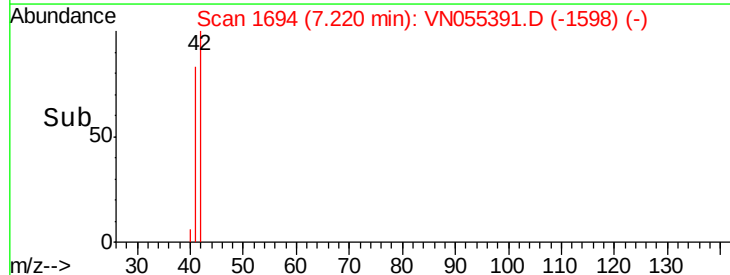
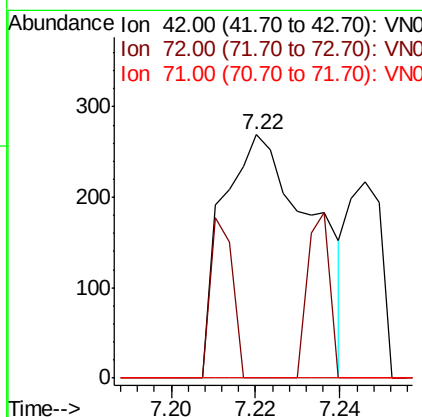
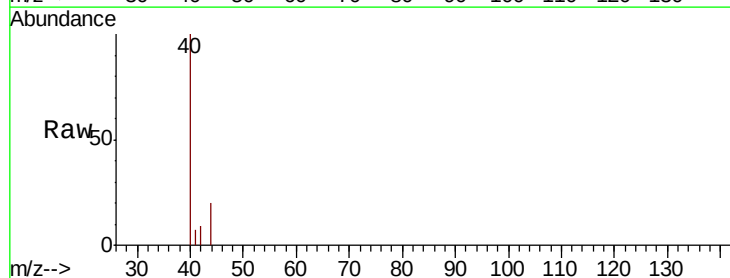
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-W2(14-17)DL

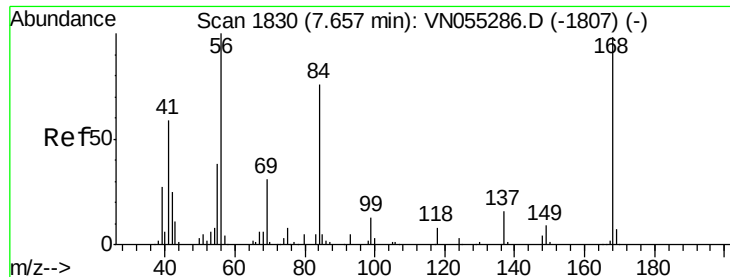
Tot Ion: 43 Resp: 3212  
Ion Ratio Lower Upper  
43 100  
74 3.5 15.8 23.8#



#29  
Tetrahydrofuran  
Concen: 0.265 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. 0.01 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Tgt Ion: 42 Resp: 397  
Ion Ratio Lower Upper  
42 100  
72 15.9 29.0 43.6#  
71 0.0 27.1 40.7#





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

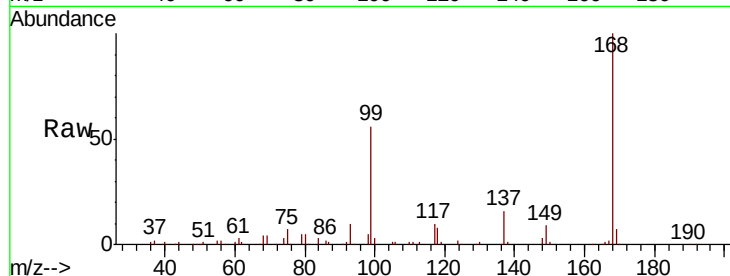
Tot Ion: 56 Resp: 9544

Ion Ratio Lower Upper

56 100

69 173.3 25.2 37.8#

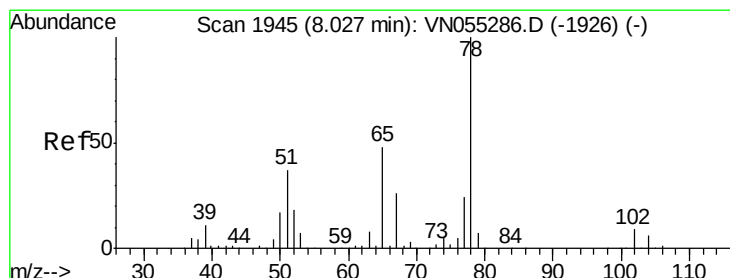
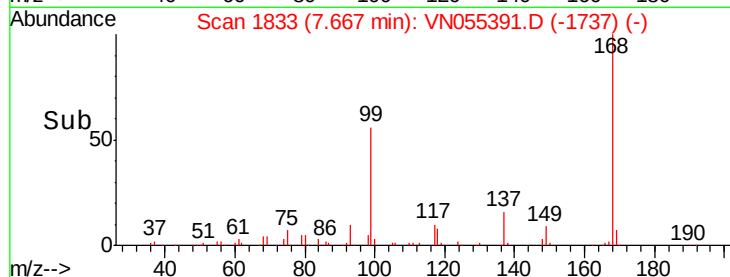
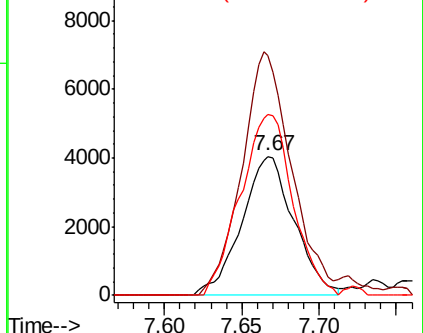
84 130.5 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.791 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055391.D

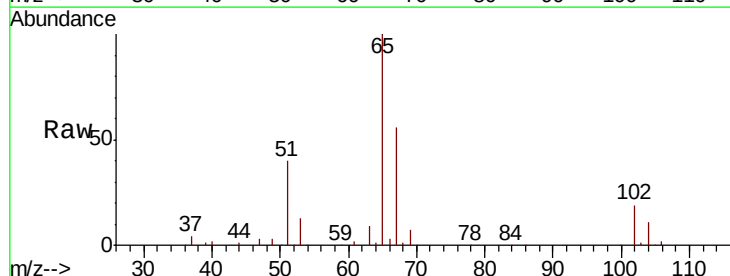
Acq: 3 May 2019 15:47

Tgt Ion: 65 Resp: 304365

Ion Ratio Lower Upper

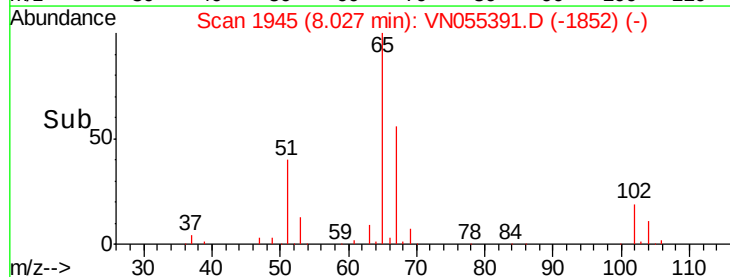
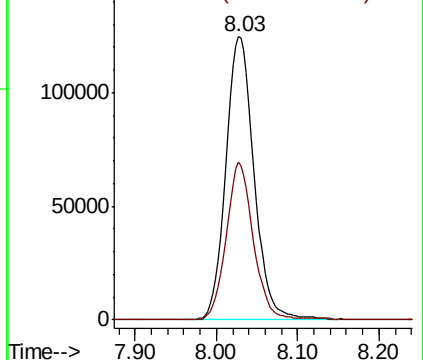
65 100

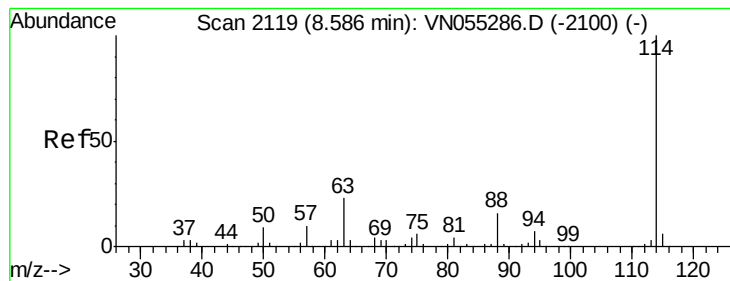
67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

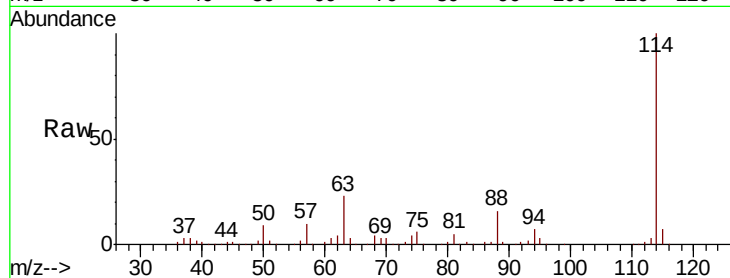
Tot Ion:114 Resp: 766891

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

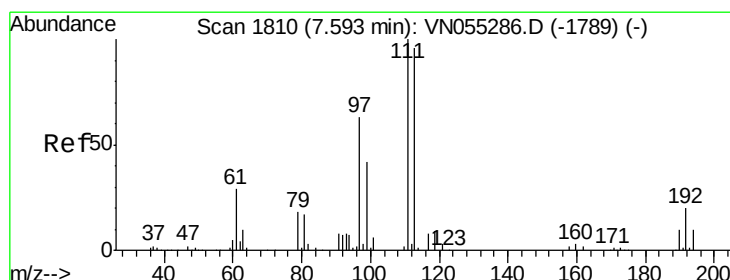
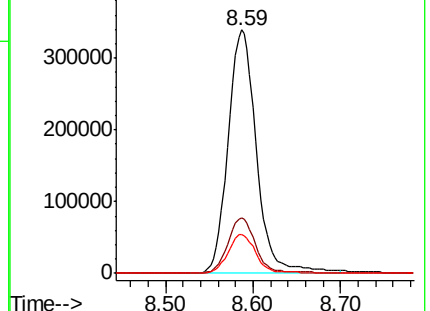
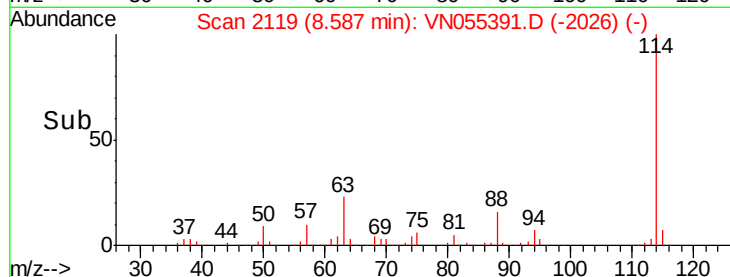
88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.390 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

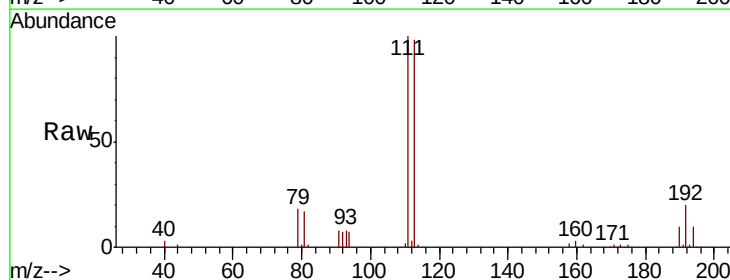
Tgt Ion:113 Resp: 248609

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

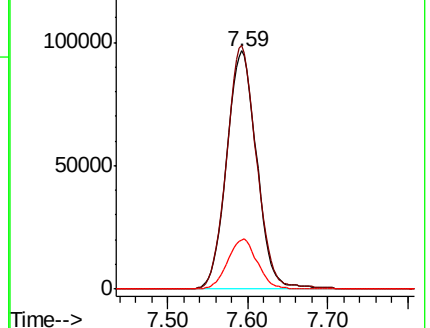
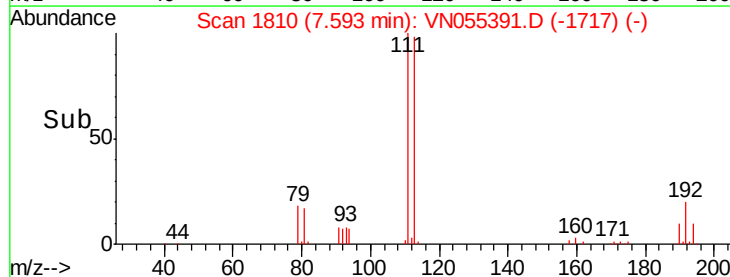
192 20.6 17.0 25.6

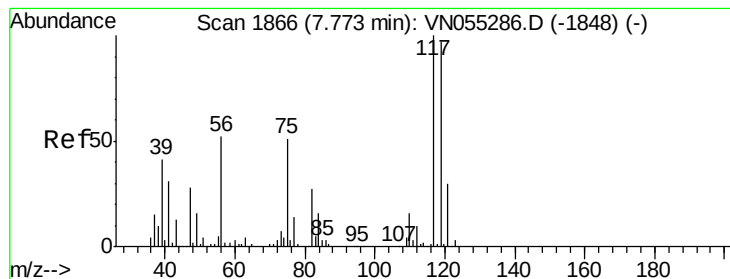


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 5.948 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055391.D

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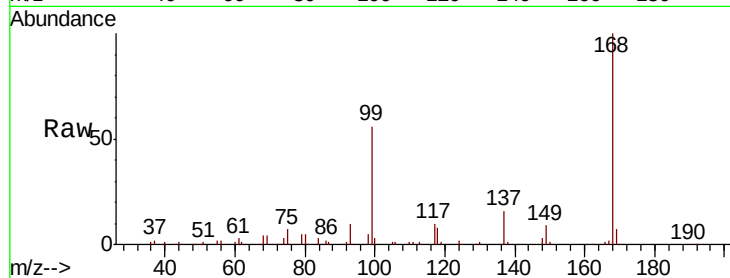
Tot Ion:117 Resp: 42147

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

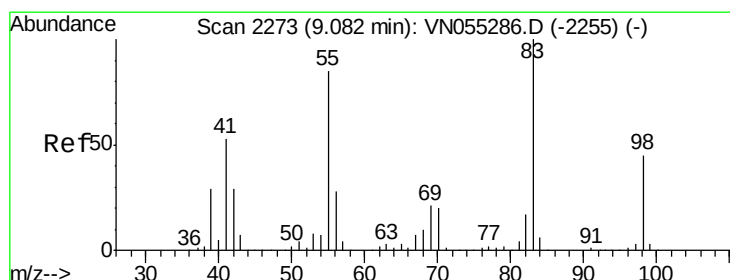
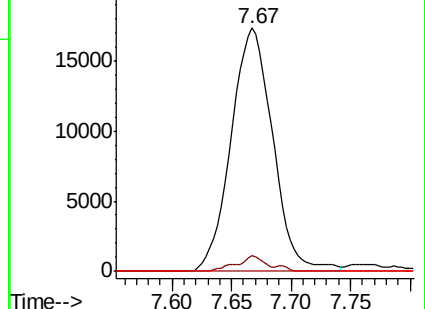
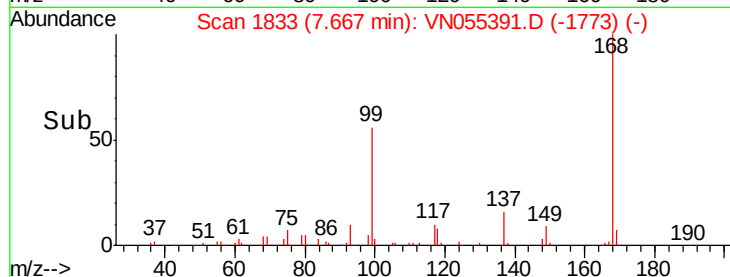
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.222 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

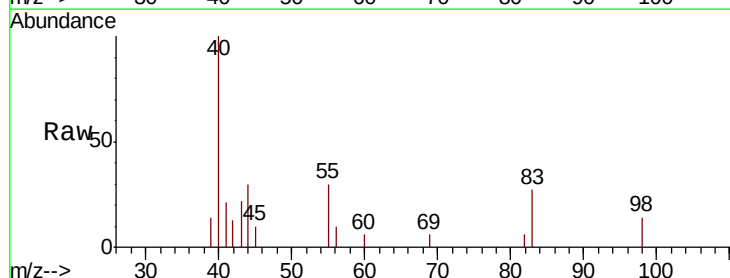
Tgt Ion: 83 Resp: 1733

Ion Ratio Lower Upper

83 100

55 90.5 67.8 101.6

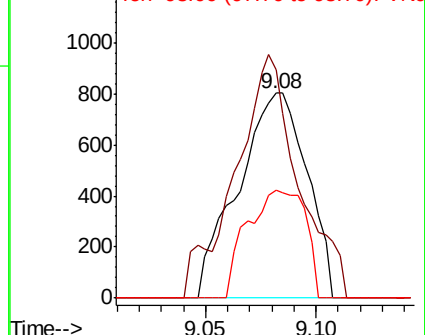
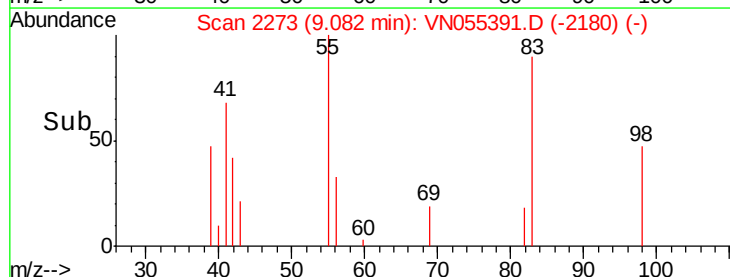
98 52.5 36.2 54.4



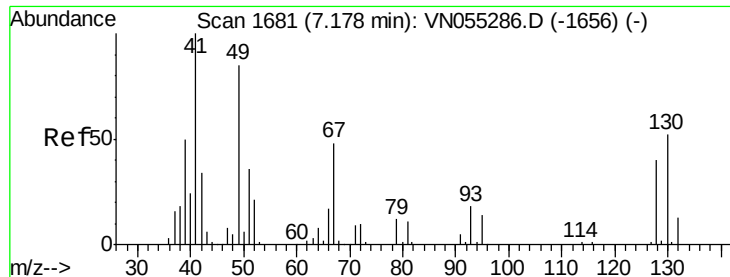
Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0







#41

Methacrylonitrile

Concen: 0.860 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.06 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

Tot Ion: 41 Resp: 371

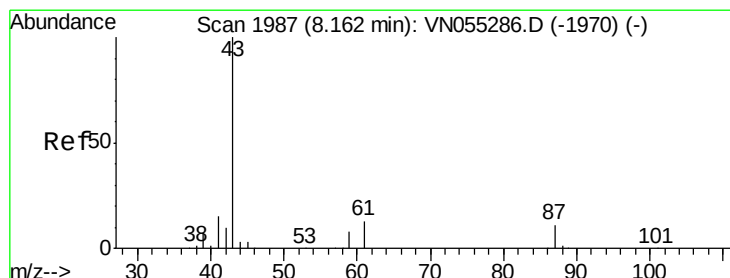
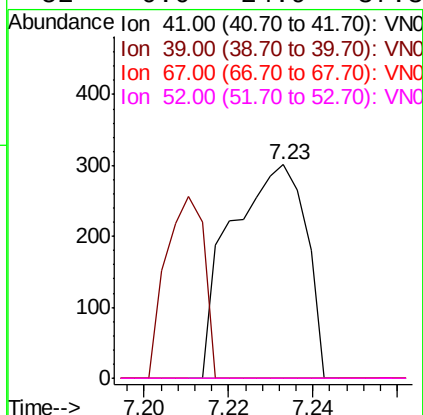
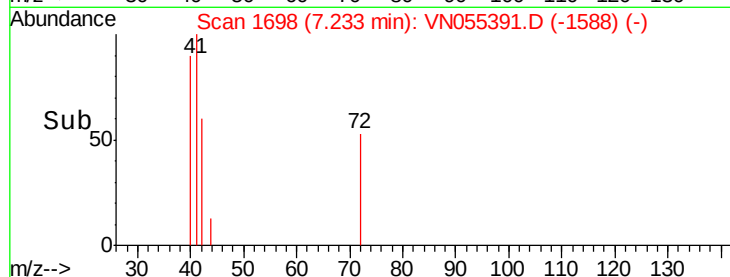
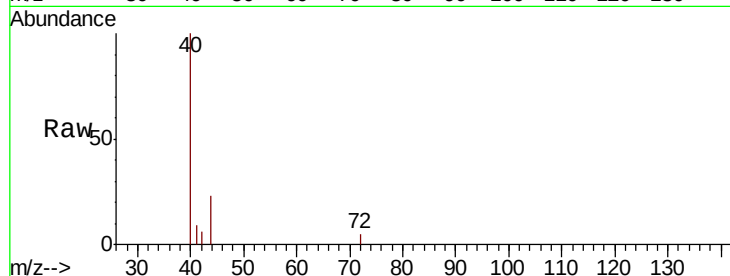
Ion Ratio Lower Upper

41 100

39 0.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



#43

Isopropyl Acetate

Concen: 1.692 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

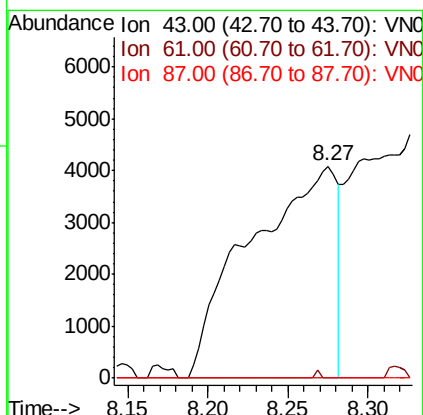
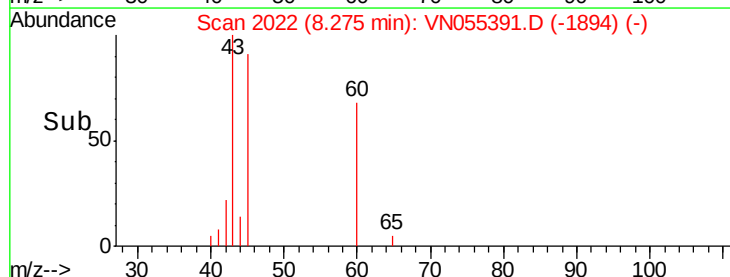
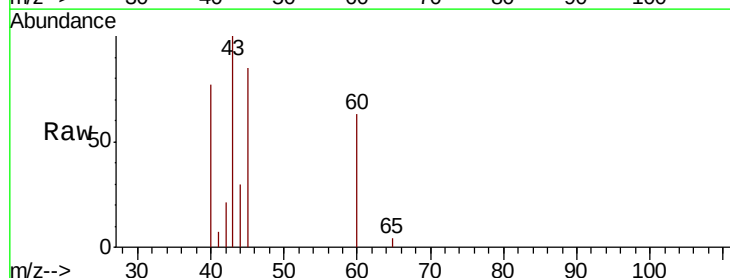
Tgt Ion: 43 Resp: 15305

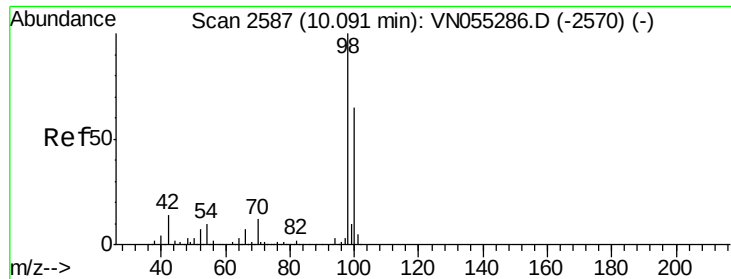
Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 8.5 12.7#

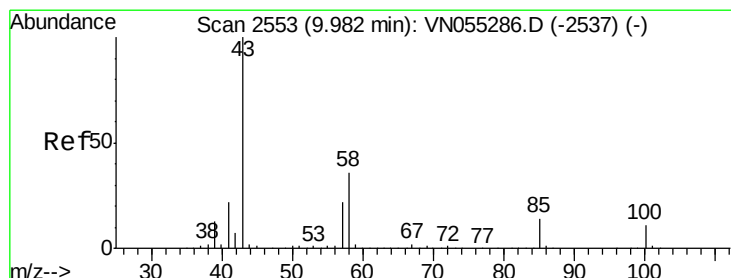
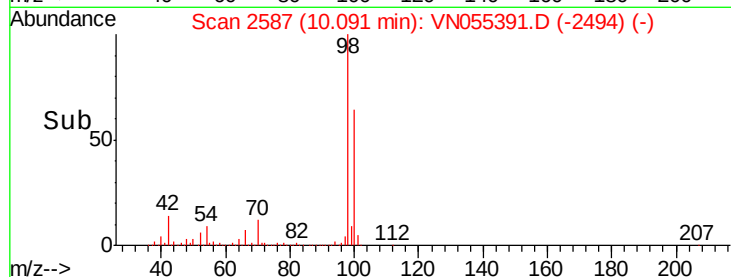
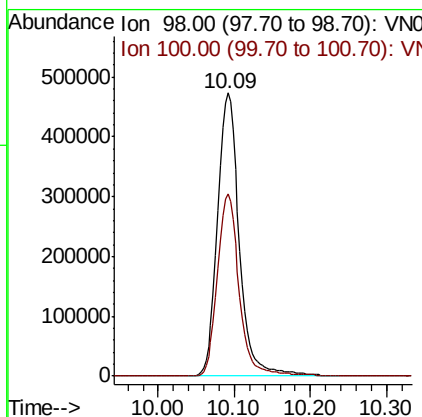
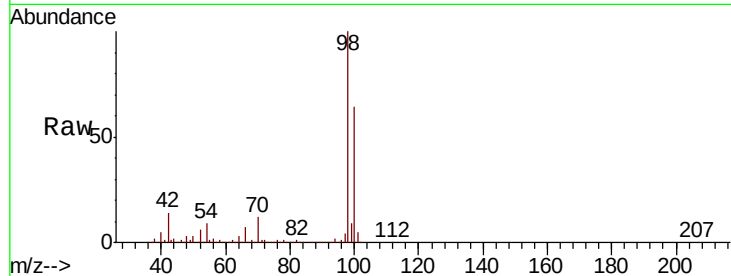




#50  
Toluene-d8  
Concen: 51.928 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

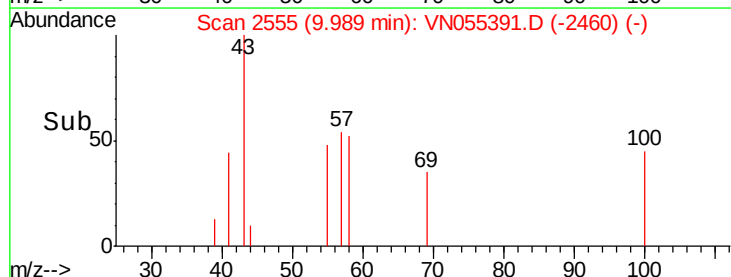
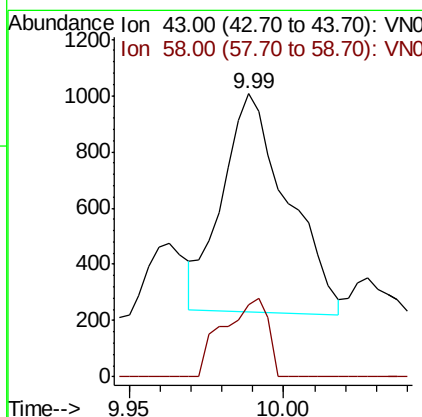
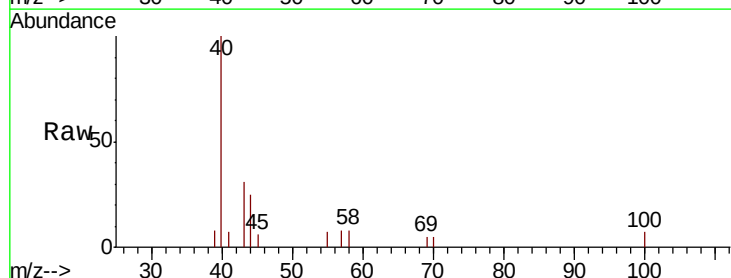
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-W2(14-17)DL

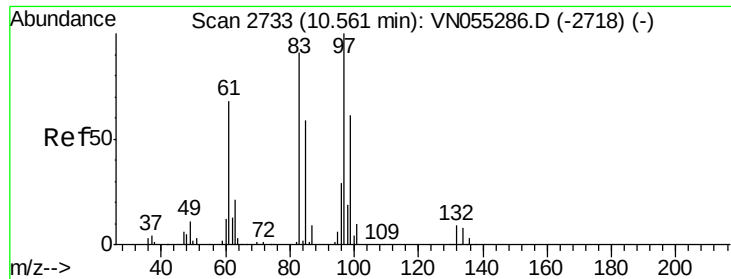
Tot Ion: 98 Resp: 943829  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.7 77.5



#51  
4-Methyl-2-Pentanone  
Concen: 0.223 ug/l  
RT: 9.99 min Scan# 2555  
Delta R.T. 0.01 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Tgt Ion: 43 Resp: 1136  
Ion Ratio Lower Upper  
43 100  
58 24.7 28.5 42.7#

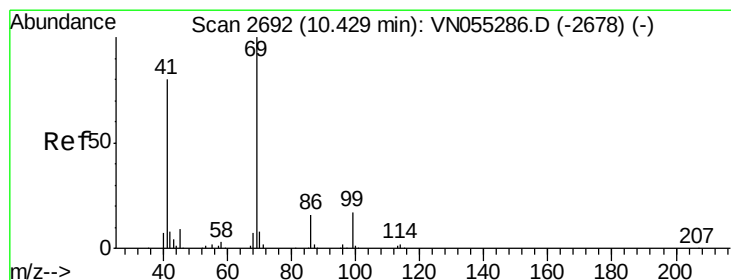
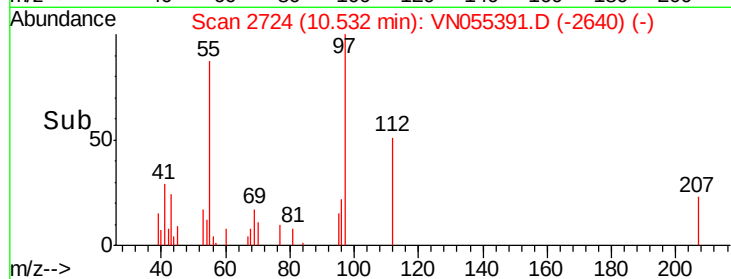
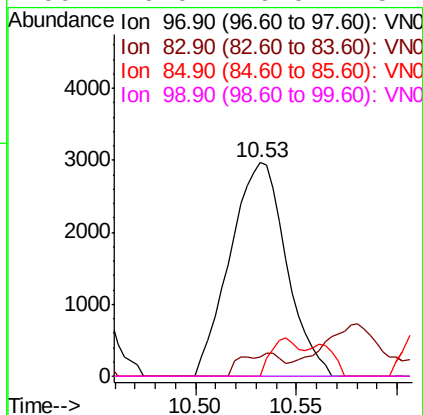
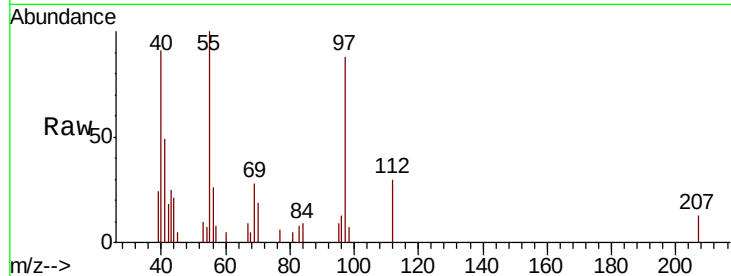




#55  
 1,1,2-Trichloroethane  
 Concen: 1.252 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.03 min  
 Lab File: VN055391.D  
 Acq: 3 May 2019 15:47

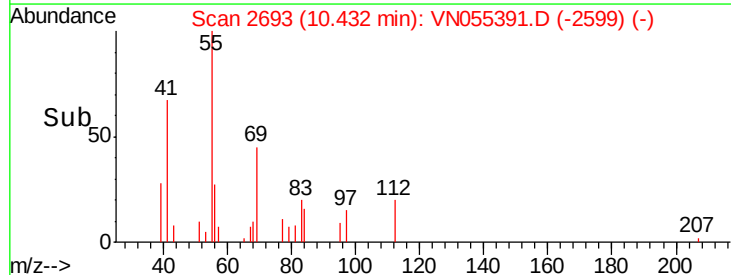
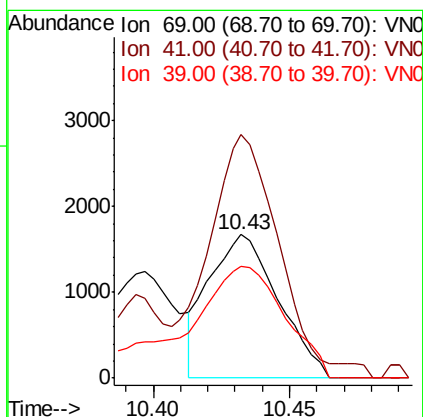
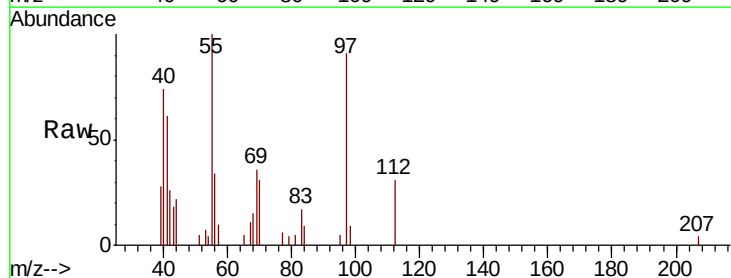
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-SB-W2(14-17)DL

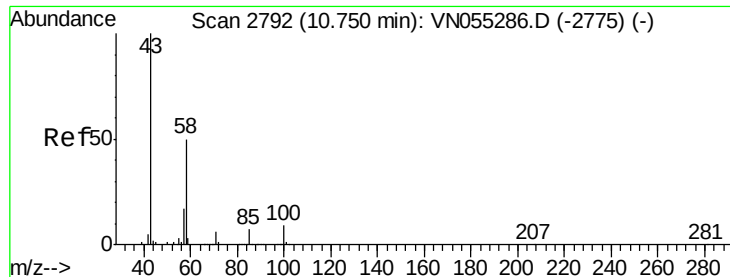
Tot Ion: 97 Resp: 5776  
 Ion Ratio Lower Upper  
 97 100  
 83 8.8 72.8 109.2#  
 85 0.0 47.0 70.6#  
 99 0.0 49.0 73.4#



#56  
 Ethyl methacrylate  
 Concen: 0.519 ug/l  
 RT: 10.43 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN055391.D  
 Acq: 3 May 2019 15:47

Tgt Ion: 69 Resp: 2949  
 Ion Ratio Lower Upper  
 69 100  
 41 174.1 62.7 94.1#  
 39 117.5 32.0 48.0#

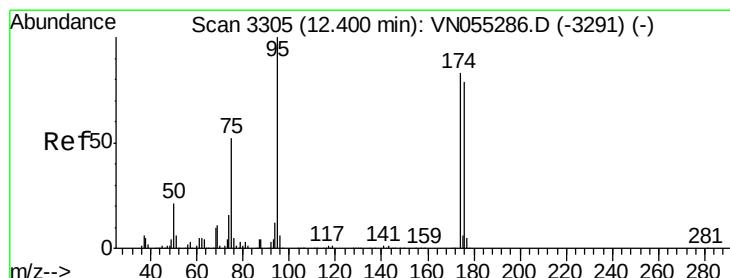
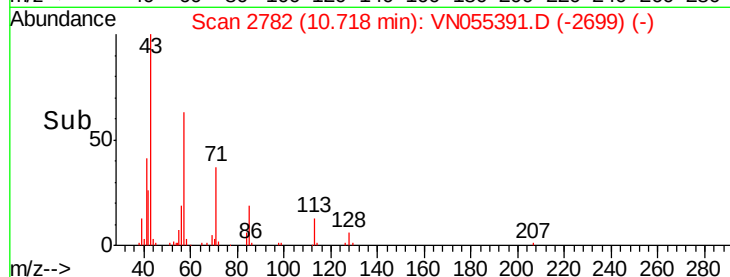
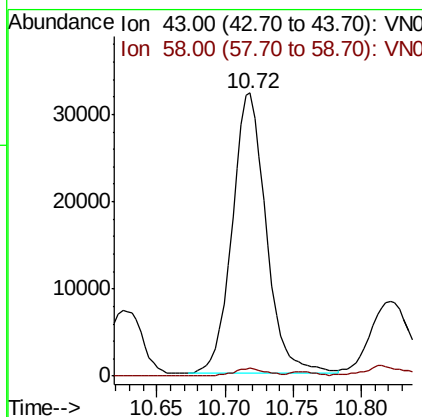
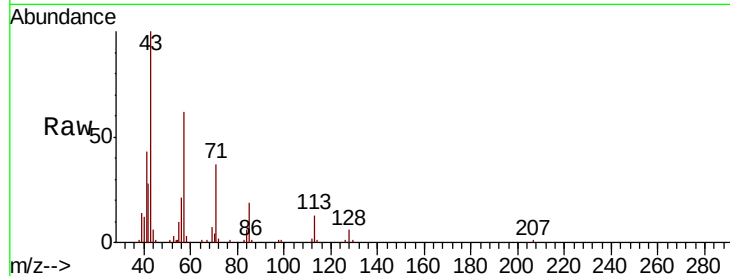




#59  
2-Hexanone  
Concen: 17.479 ug/l  
RT: 10.72 min Scan# 2782  
Delta R.T. -0.03 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

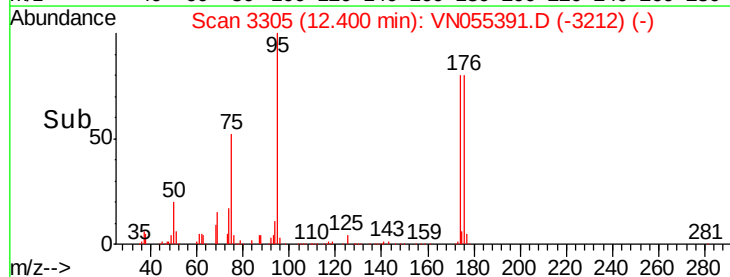
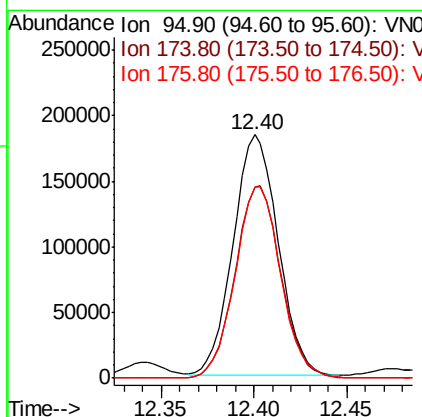
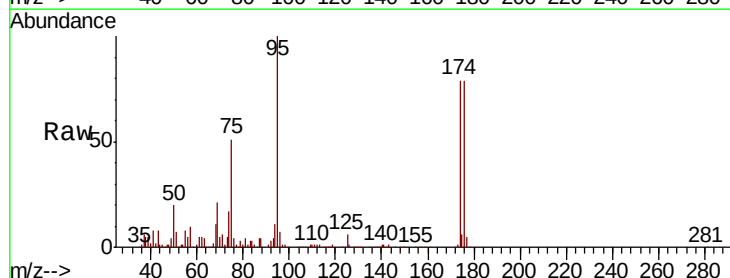
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-W2(14-17)DL

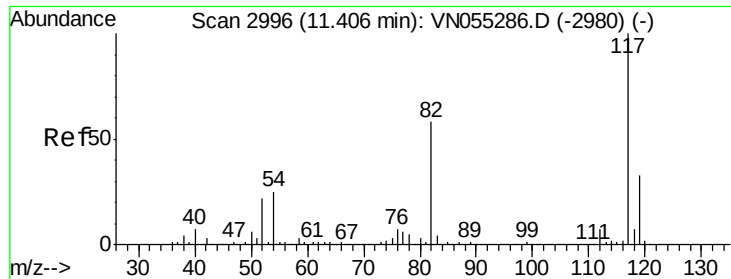
Tot Ion: 43 Resp: 55707  
Ion Ratio Lower Upper  
43 100  
58 2.6 24.9 74.6#



#62  
4-Bromofluorobenzene  
Concen: 54.746 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Tgt Ion: 95 Resp: 310988  
Ion Ratio Lower Upper  
95 100  
174 81.2 0.0 166.6  
176 80.4 0.0 157.8

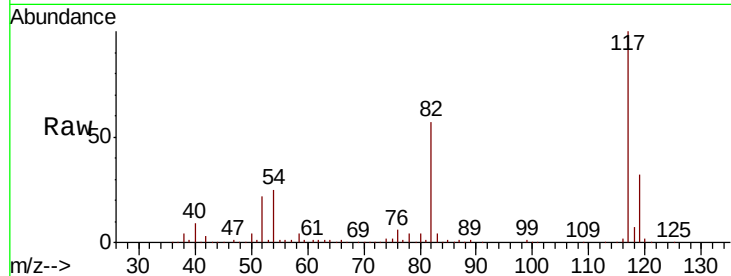




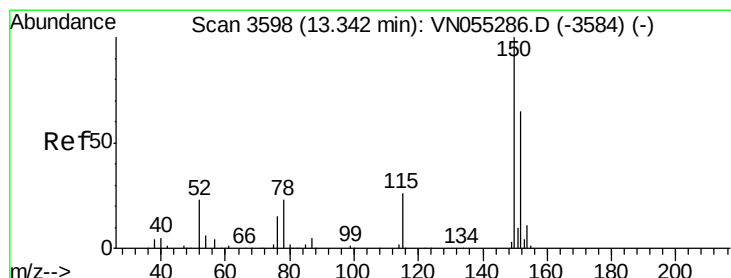
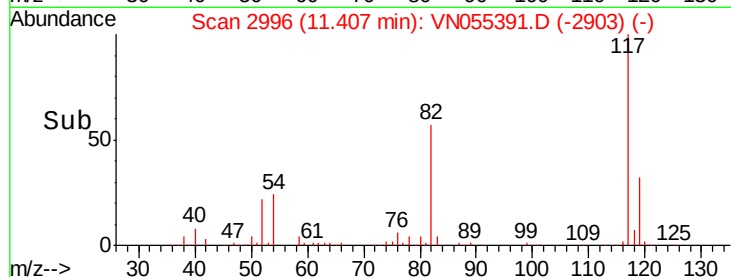
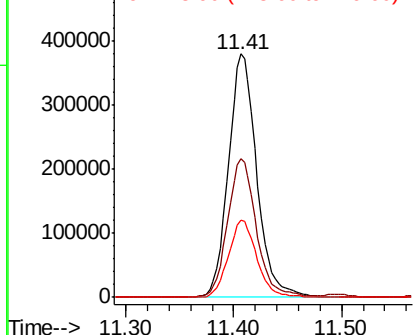
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-W2(14-17)DL

Tot Ion:117 Resp: 695199  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.2 69.4  
119 31.9 26.6 40.0

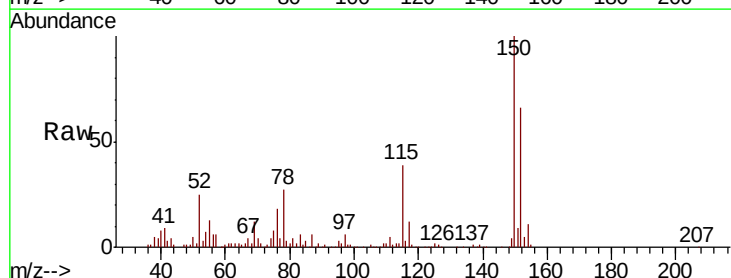


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

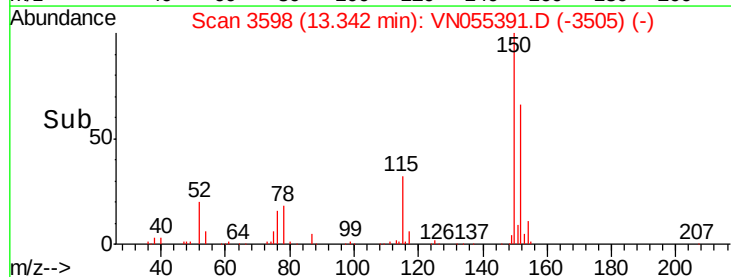
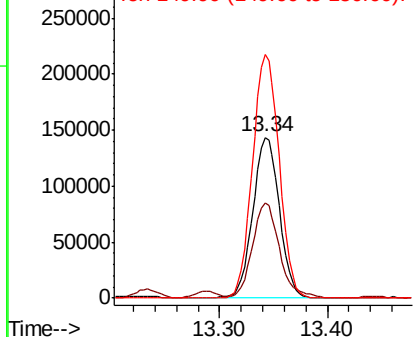


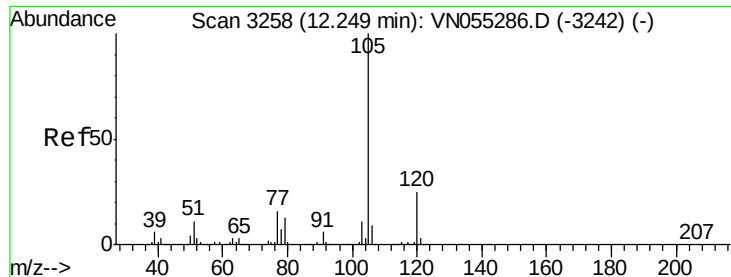
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Tgt Ion:152 Resp: 245108  
Ion Ratio Lower Upper  
152 100  
115 59.9 29.0 87.0  
150 151.8 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

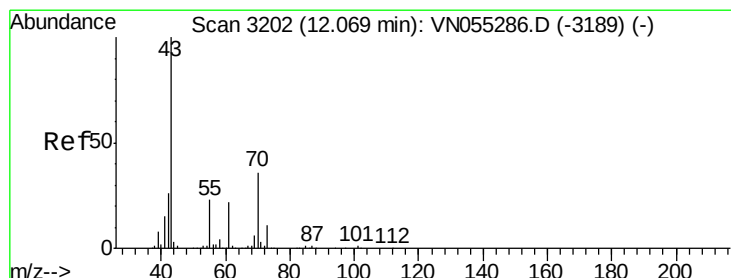
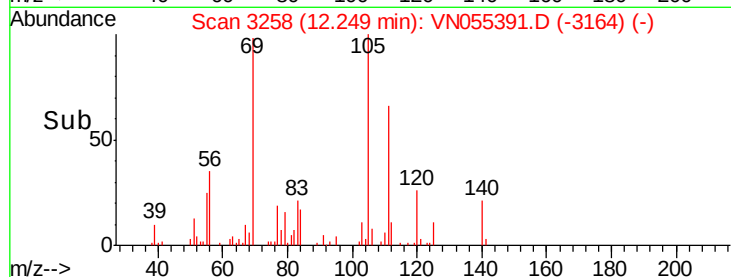
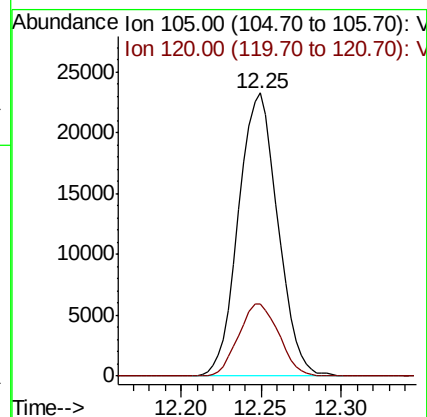
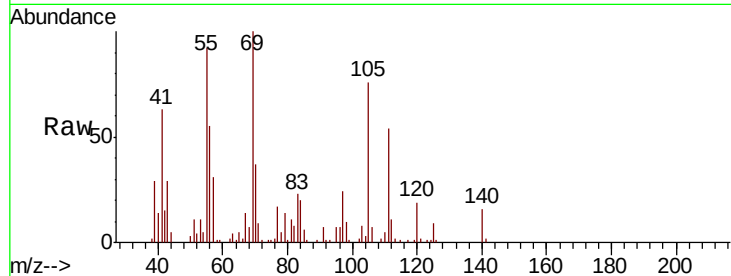
EP1-SB-W2(14-17)DL

Tot Ion:105 Resp: 39000

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 44.100 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Tgt Ion: 43 Resp: 277407

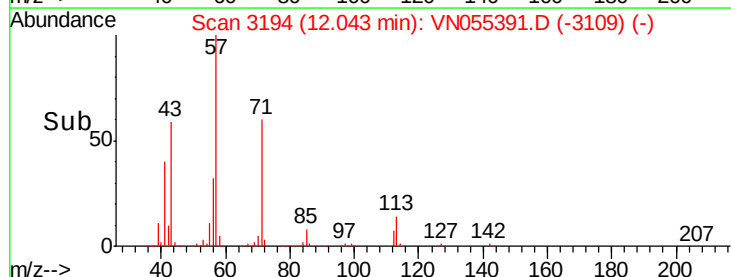
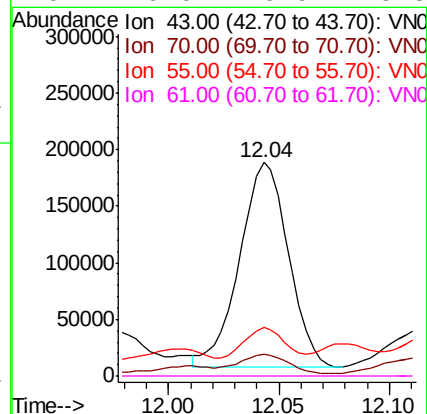
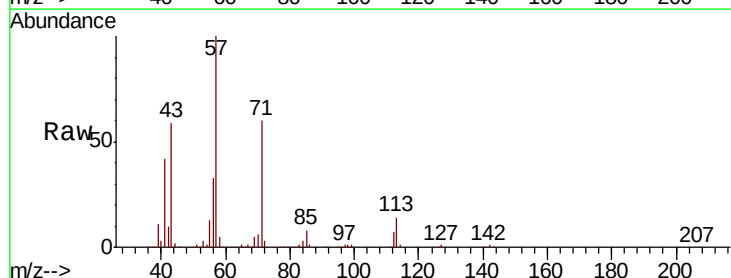
Ion Ratio Lower Upper

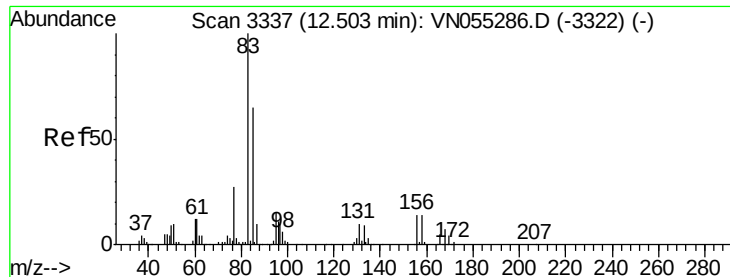
43 100

70 9.2 27.9 41.9#

55 19.4 18.2 27.2

61 0.0 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3330

Delta R.T. -0.02 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

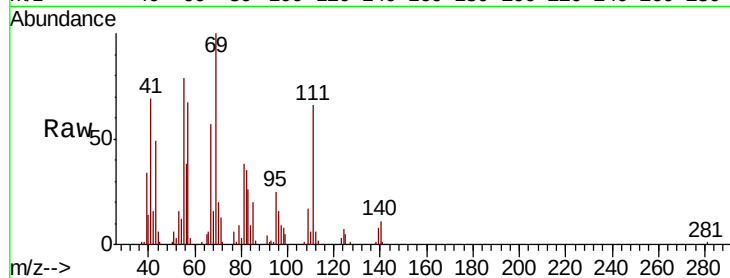
Tot Ion: 83 Resp: 13945

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

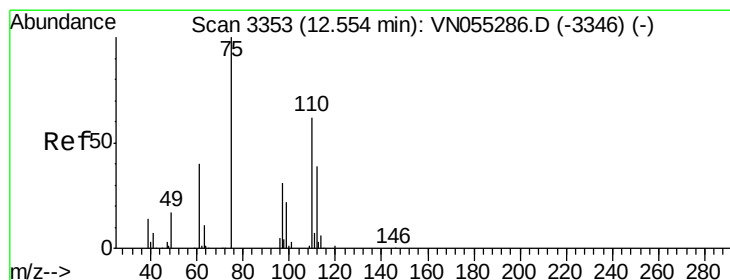
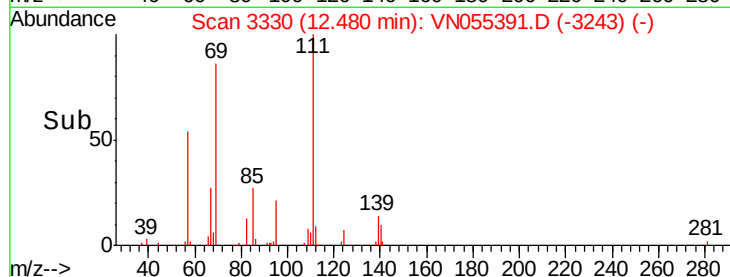
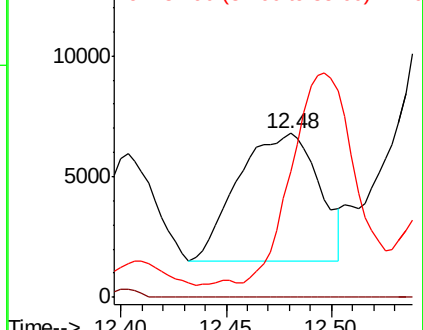
85 127.1 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.273 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055391.D

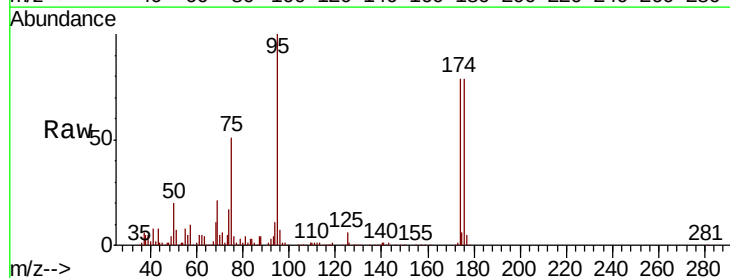
Acq: 3 May 2019 15:47

Tgt Ion: 75 Resp: 159752

Ion Ratio Lower Upper

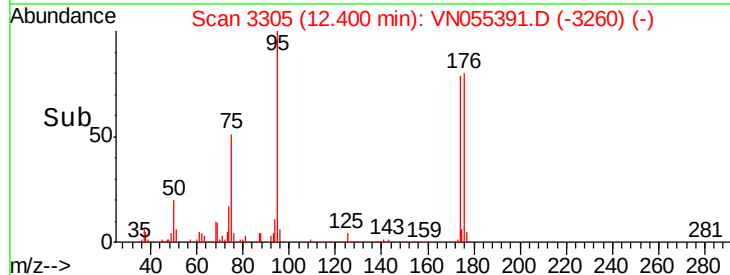
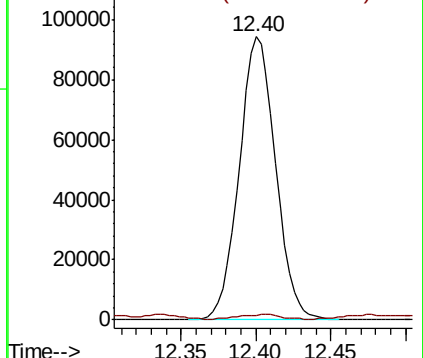
75 100

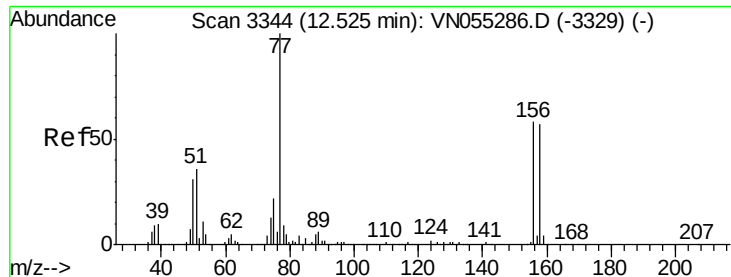
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

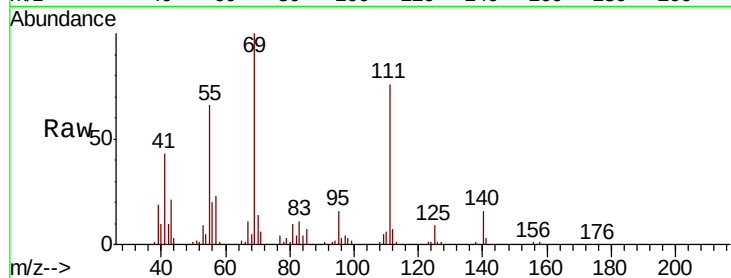
Tot Ion:156 Resp: 114

Ion Ratio Lower Upper

156 100

77 0.0 99.6 298.8#

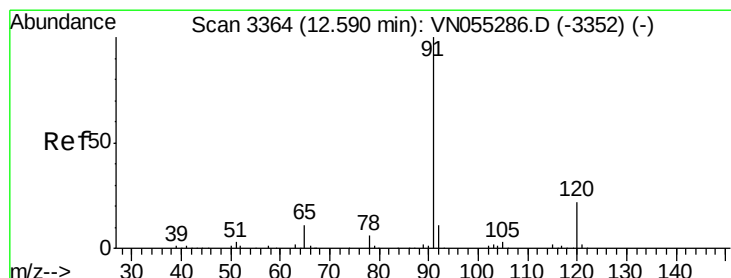
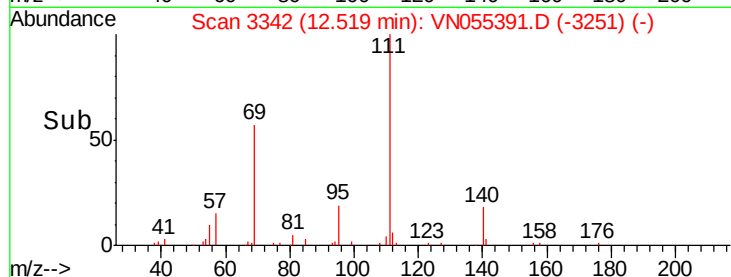
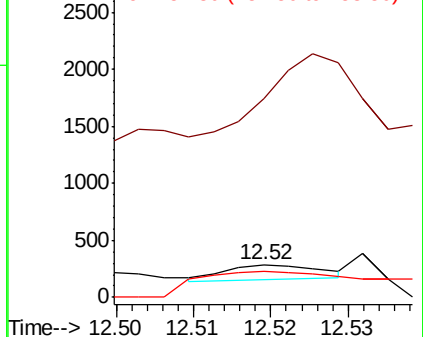
158 321.1 49.3 147.8#



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



#78

n-propylbenzene

Concen: 6.924 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055391.D

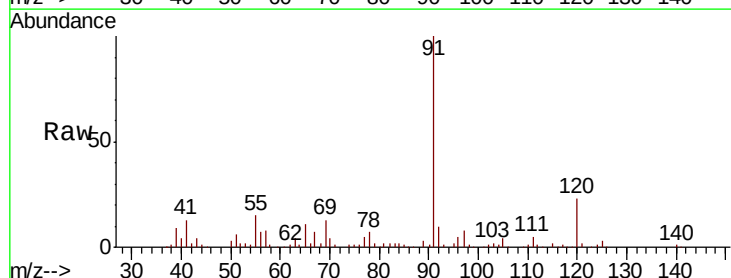
Acq: 3 May 2019 15:47

Tgt Ion: 91 Resp: 174327

Ion Ratio Lower Upper

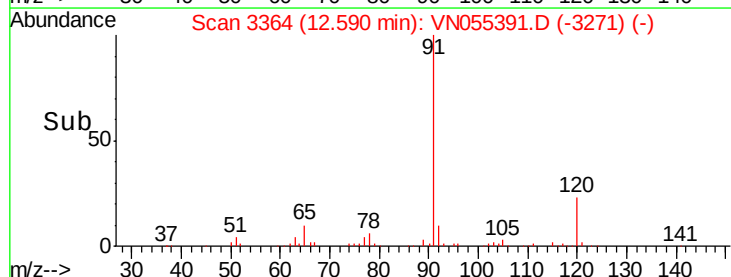
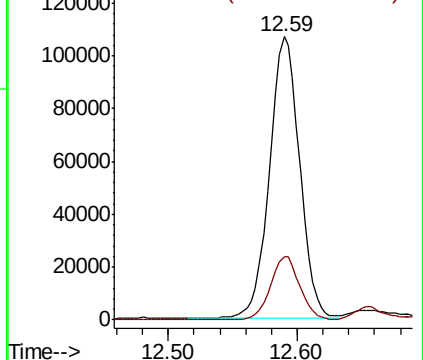
91 100

120 21.7 11.0 33.0

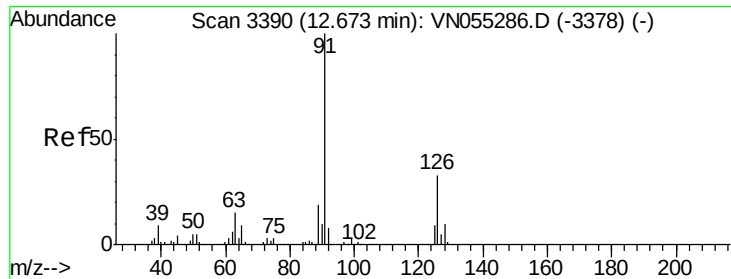


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V







#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.06 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

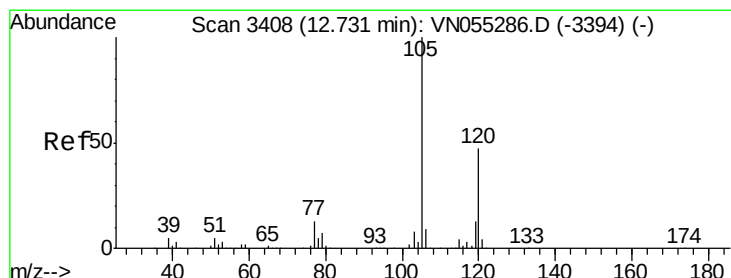
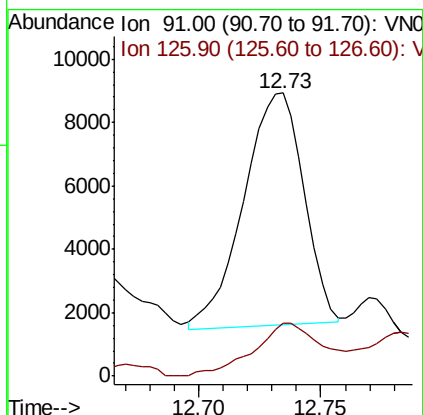
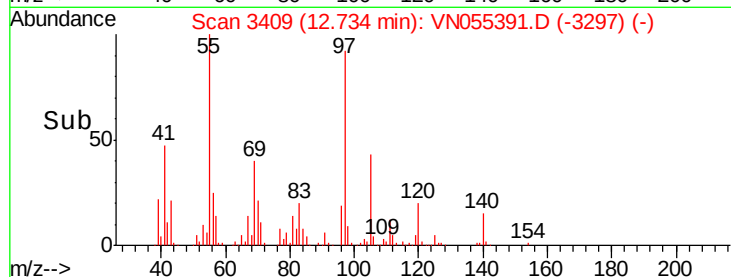
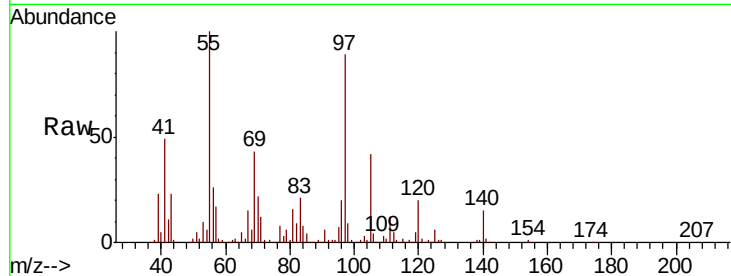
EP1-SB-W2(14-17)DL

Tot Ion: 91 Resp: 12488

Ion Ratio Lower Upper

91 100

126 26.7 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 5.578 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055391.D

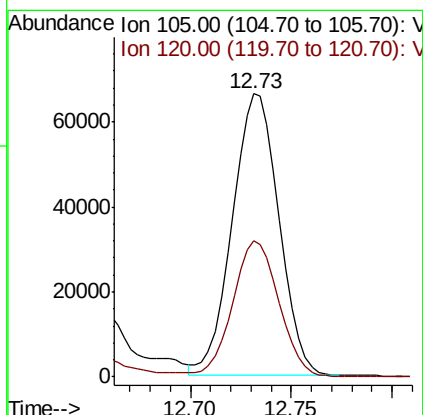
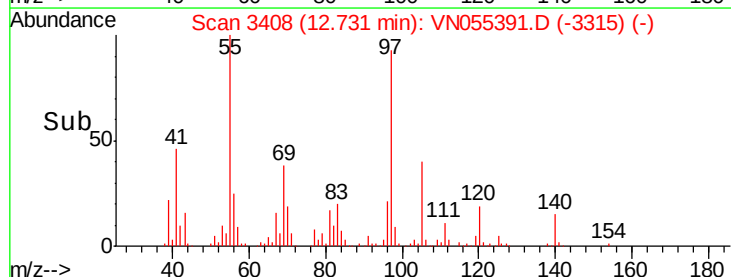
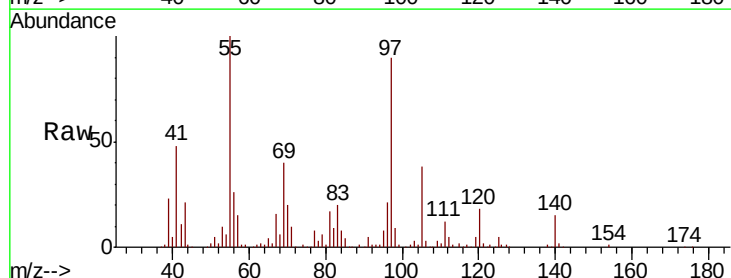
Acq: 3 May 2019 15:47

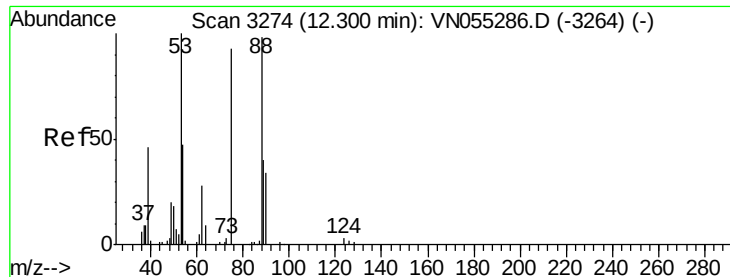
Tgt Ion:105 Resp: 107190

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 123.513 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

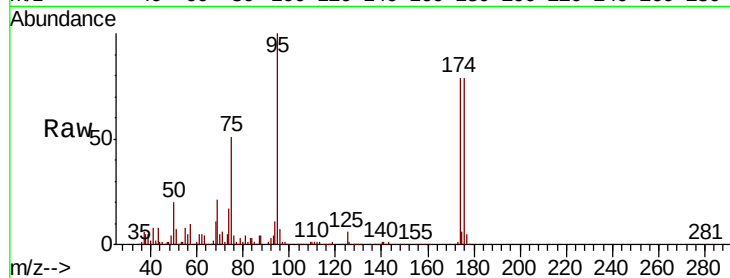
Tot Ion: 75 Resp: 159752

Ion Ratio Lower Upper

75 100

53 3.0 86.3 129.5#

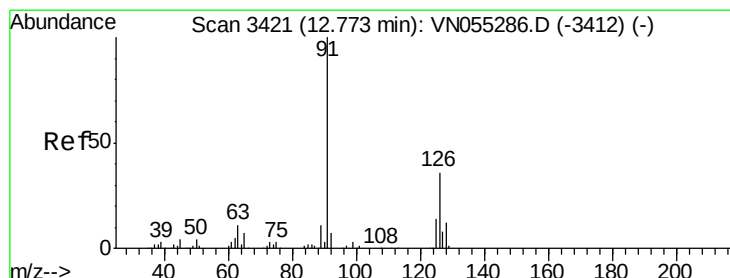
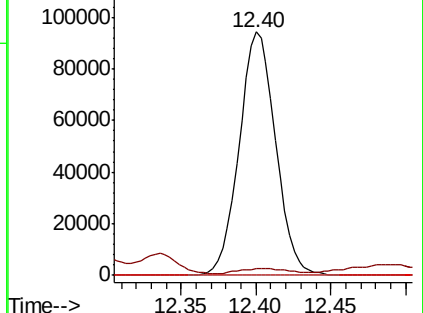
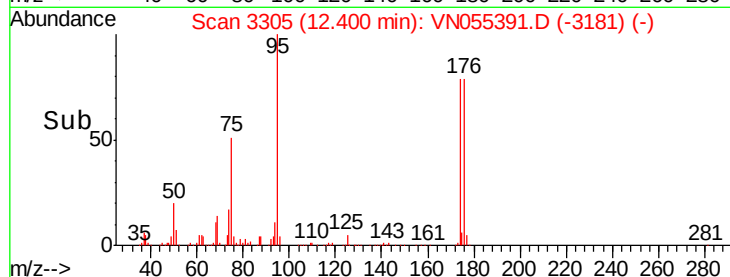
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.853 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN055391.D

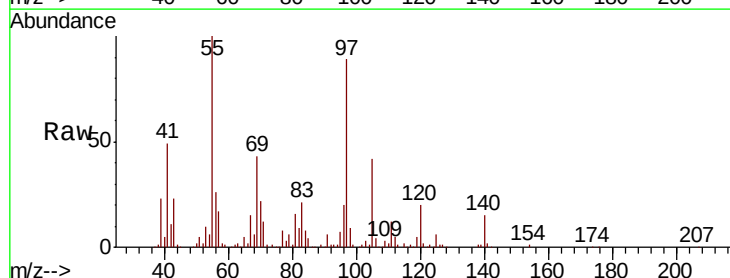
Acq: 3 May 2019 15:47

Tgt Ion: 91 Resp: 12485

Ion Ratio Lower Upper

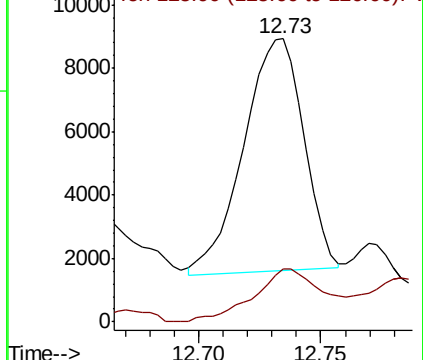
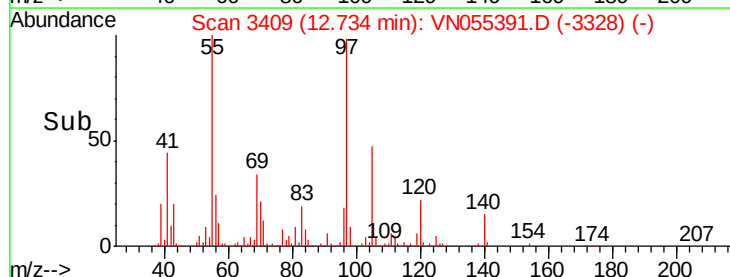
91 100

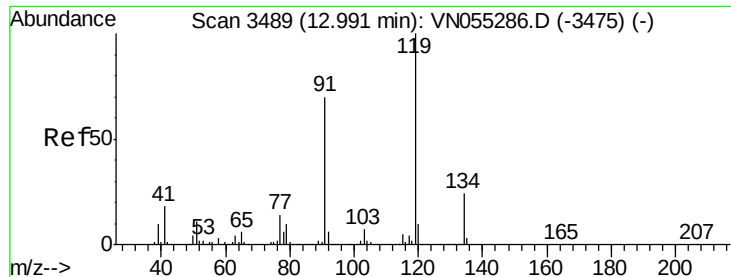
126 26.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

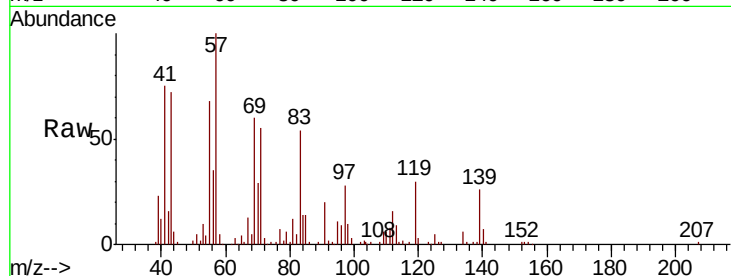
Tot Ion:119 Resp: 19135

Ion Ratio Lower Upper

119 100

91 79.4 34.3 102.9

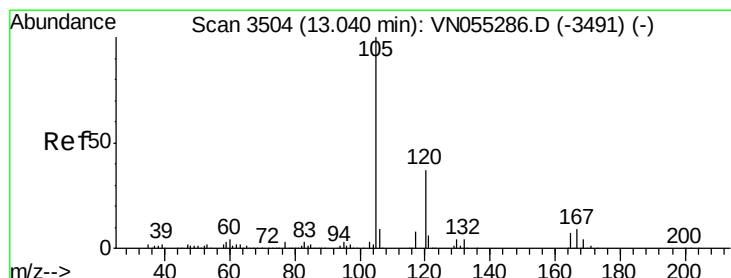
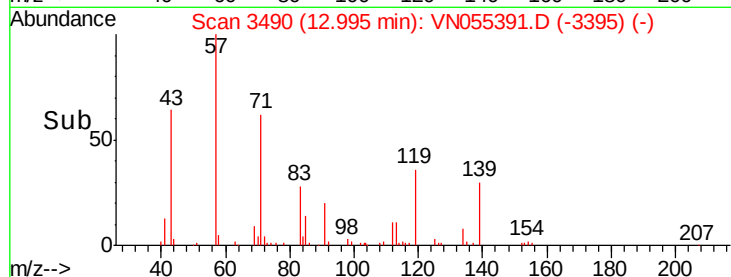
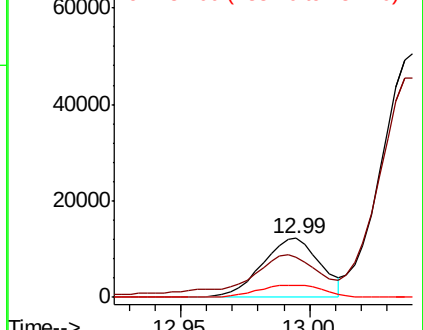
134 23.4 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 38.823 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055391.D

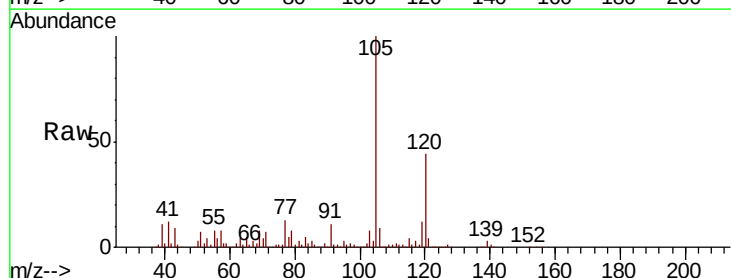
Acq: 3 May 2019 15:47

Tgt Ion:105 Resp: 667187

Ion Ratio Lower Upper

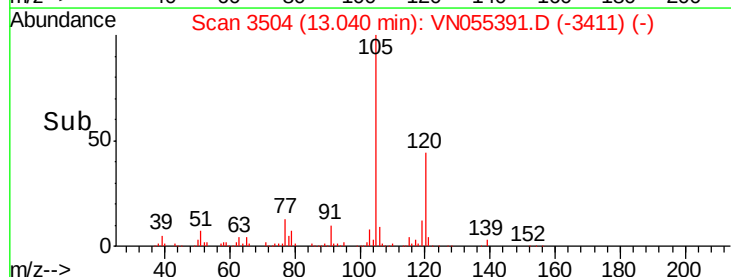
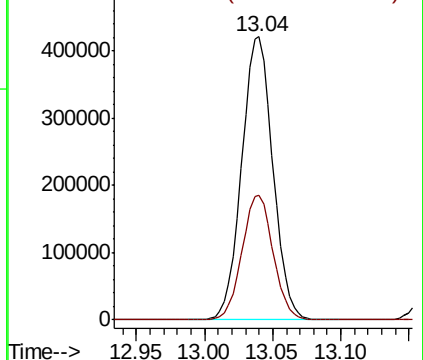
105 100

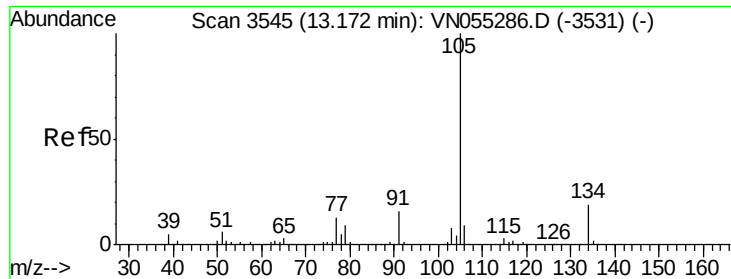
120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.343 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

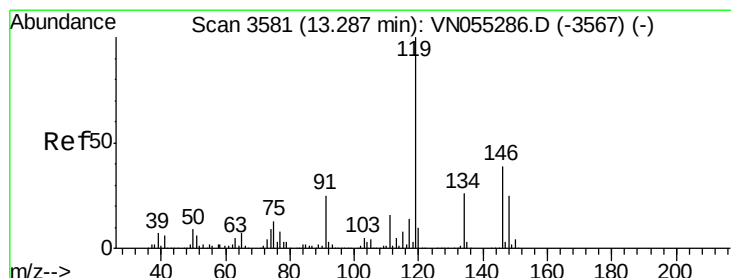
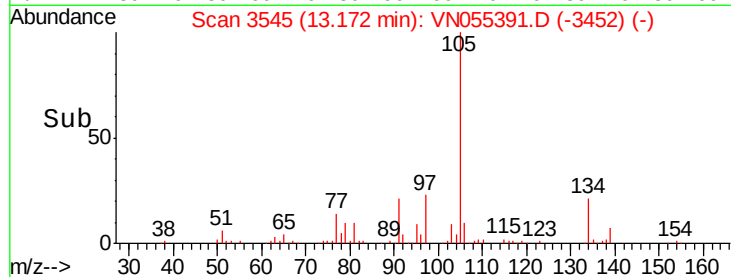
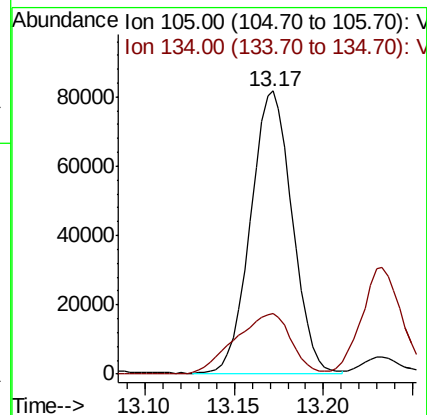
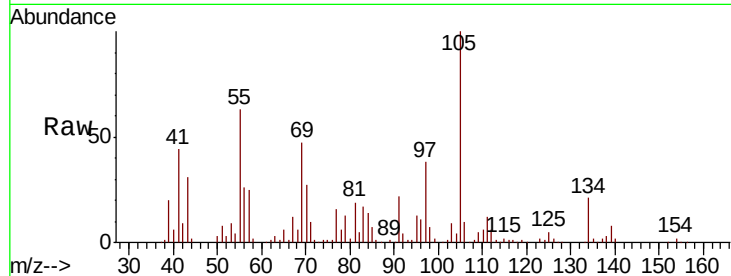
EP1-SB-W2(14-17)DL

Tot Ion:105 Resp: 132485

Ion Ratio Lower Upper

105 100

134 29.0 9.6 28.8#



#86

p-Isopropyltoluene

Concen: 7.214 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

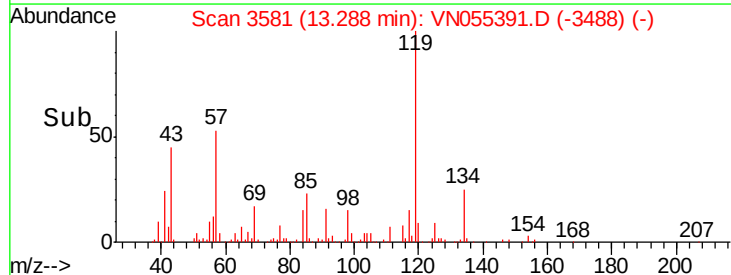
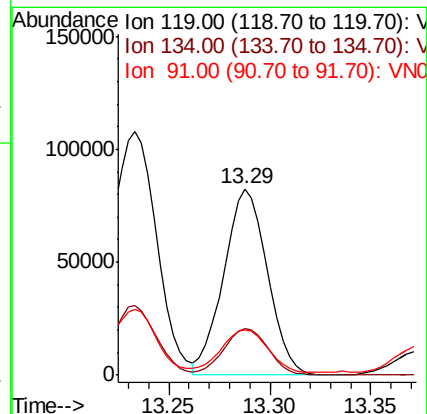
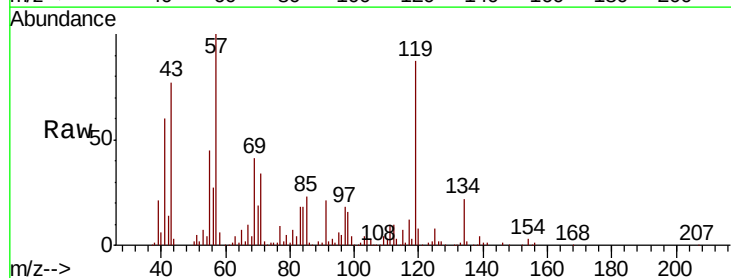
Tgt Ion:119 Resp: 123835

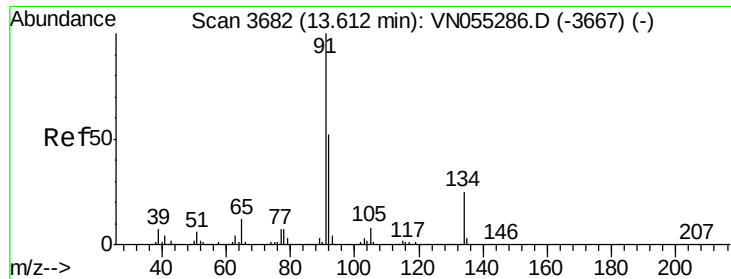
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 24.2 12.2 36.6

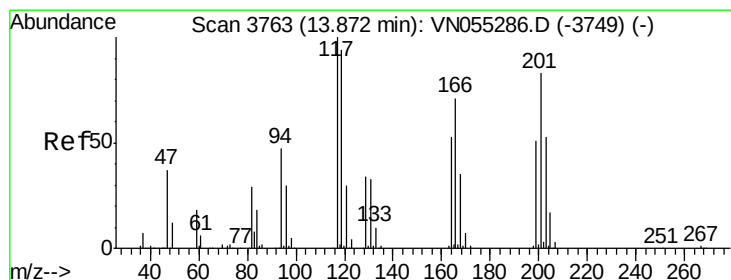
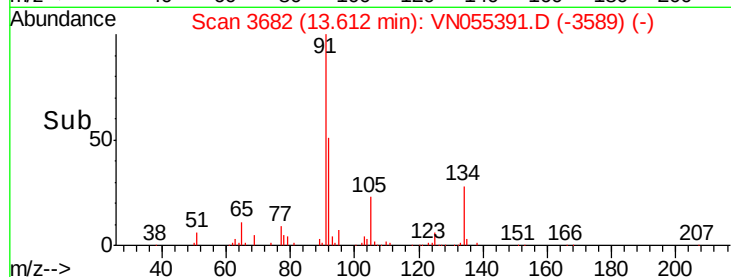
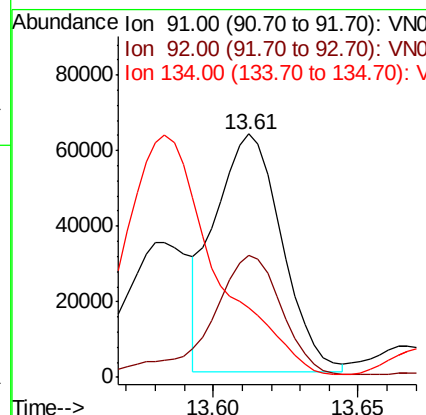
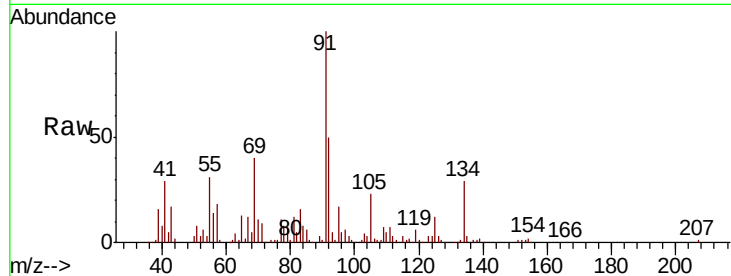




#89  
n-Butylbenzene  
Concen: 8.230 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

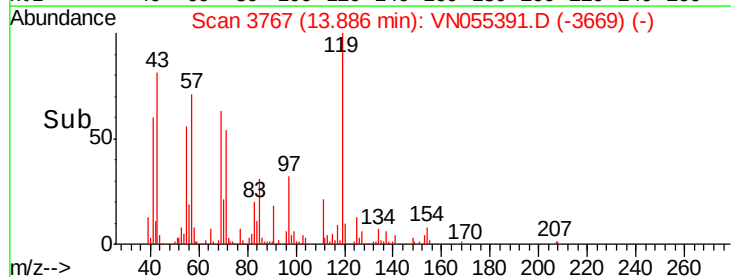
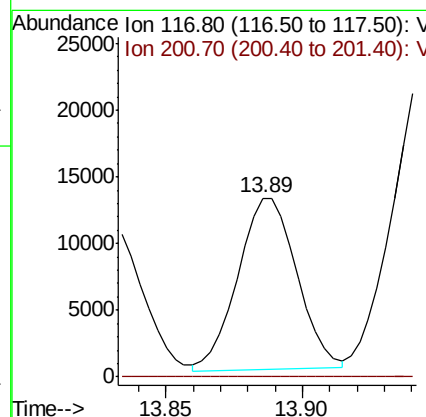
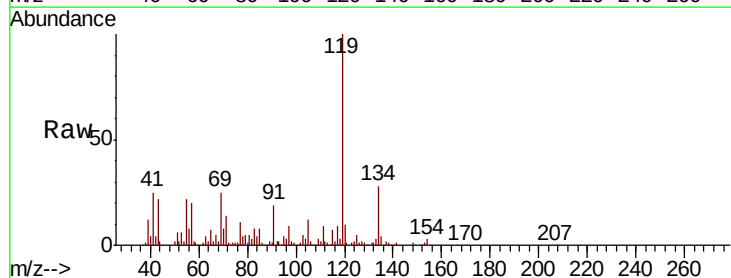
Instrument :  
MSVOA\_N  
ClientSampleId :  
EP1-SB-W2(14-17)DL

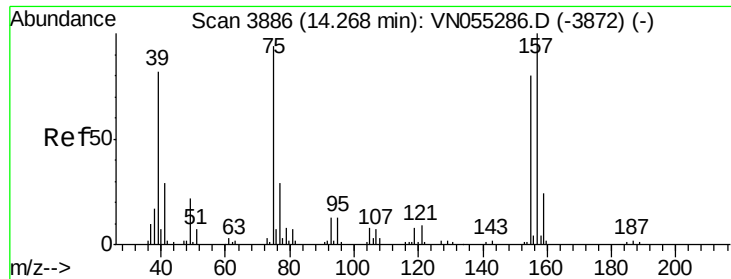
Tot Ion: 91 Resp: 100389  
Ion Ratio Lower Upper  
91 100  
92 56.8 26.1 78.3  
134 0.0 12.4 37.4#



#90  
Hexachloroethane  
Concen: 5.722 ug/l  
RT: 13.89 min Scan# 3767  
Delta R.T. 0.01 min  
Lab File: VN055391.D  
Acq: 3 May 2019 15:47

Tgt Ion: 117 Resp: 19344  
Ion Ratio Lower Upper  
117 100  
201 0.0 41.9 125.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.604 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

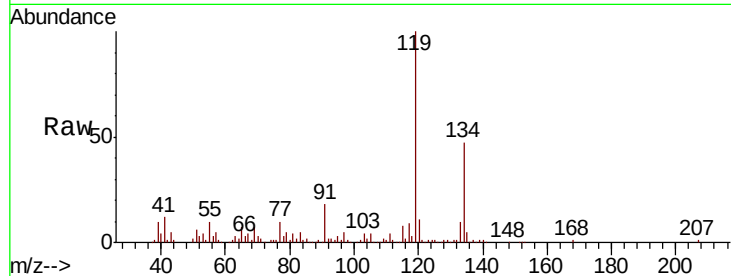
Tot Ion: 75 Resp: 1034

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

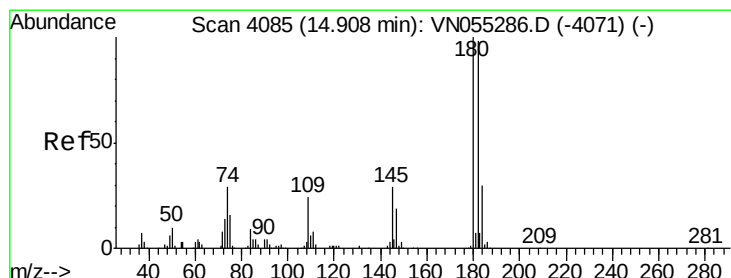
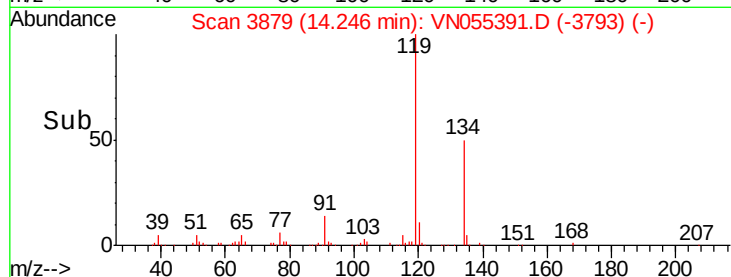
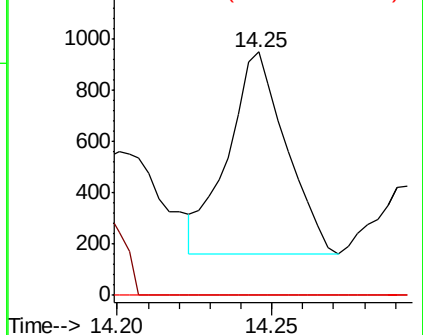
157 0.0 54.0 162.2#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN055286.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN055286.D (-3872) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.994 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

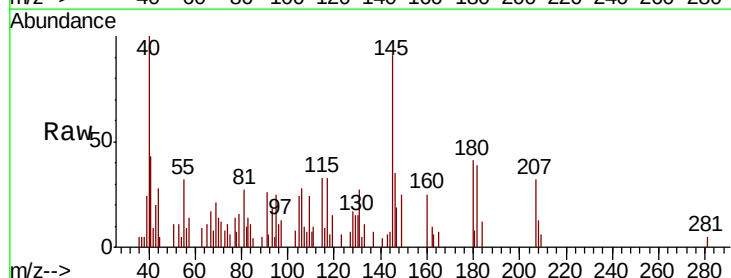
Tgt Ion:180 Resp: 2347

Ion Ratio Lower Upper

180 100

182 90.8 48.3 144.9

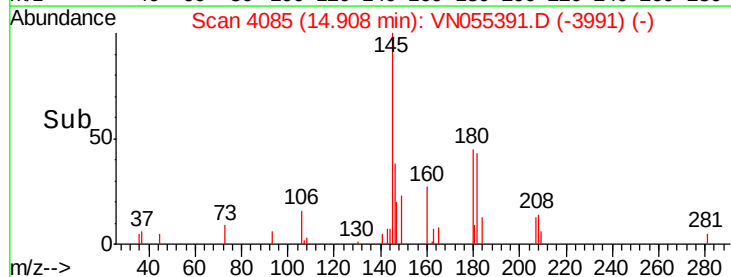
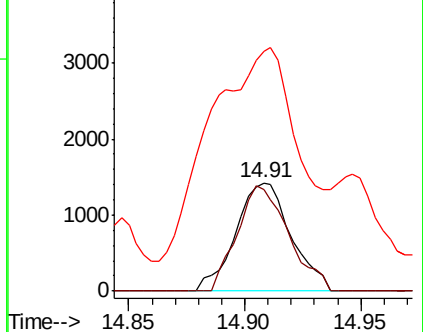
145 308.1 14.2 42.6#

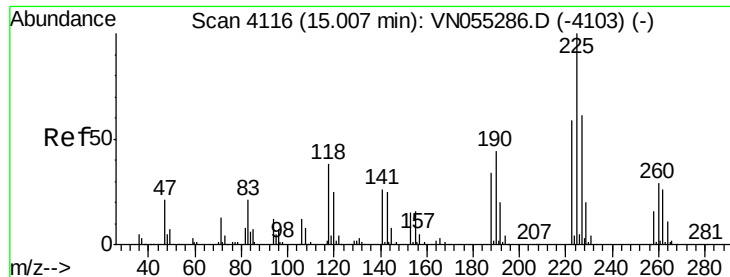


Abundance Ion 179.80 (179.50 to 180.50): VN055286.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055286.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055286.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

Instrument :

MSVOA\_N

ClientSampleId :

EP1-SB-W2(14-17)DL

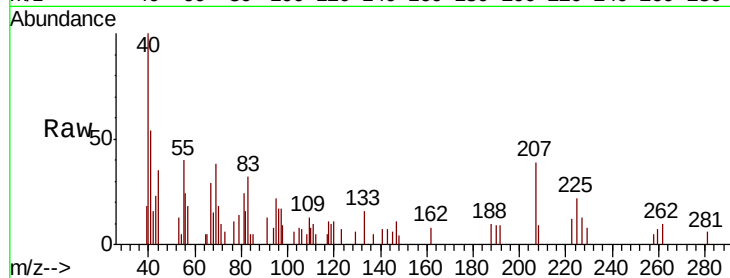
Tot Ion:225 Resp: 1270

Ion Ratio Lower Upper

225 100

223 50.2 30.3 90.8

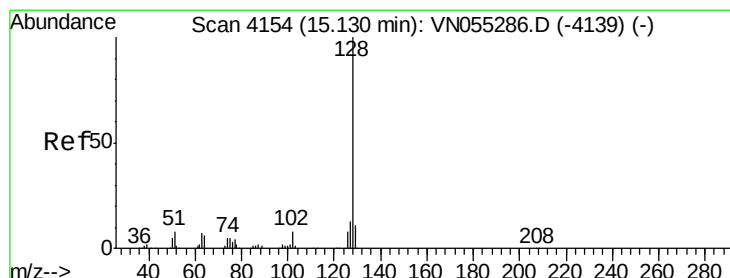
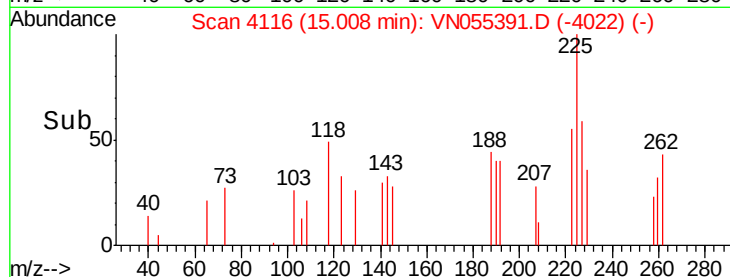
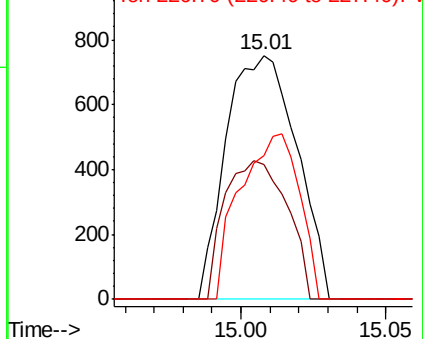
227 57.0 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.389 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055391.D

Acq: 3 May 2019 15:47

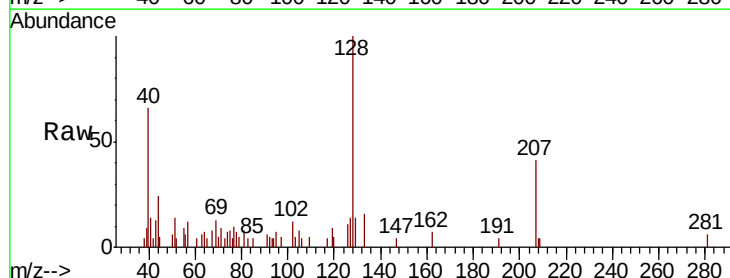
Tgt Ion:128 Resp: 7740

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

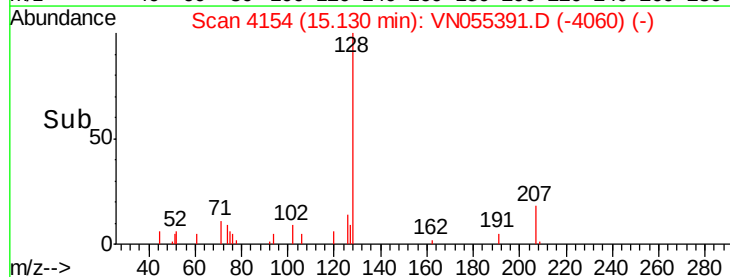
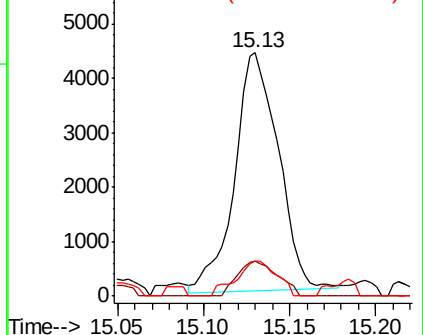
129 13.5 8.6 13.0#

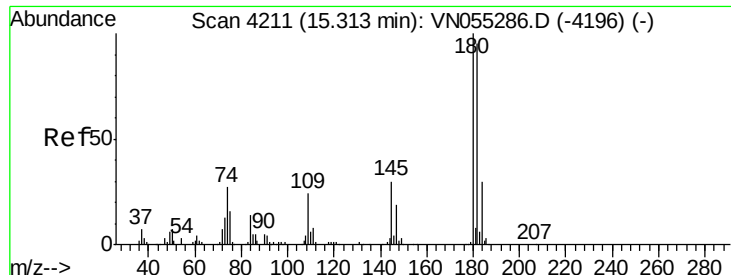


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.257 ug/l  
 RT: 15.31 min Scan# 4210  
 Delta R.T. -0.00 min  
 Lab File: VN055391.D  
 Acq: 3 May 2019 15:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 EP1-SB-W2(14-17)DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 118.0 | 48.3  | 144.9 |
| 145     | 14.2  | 15.2  | 45.6# |

