

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX031618\  
 Data File : VX000348.D  
 Acq On : 16 Mar 2018 15:04  
 Operator : JC/MD  
 Sample : J1808-01 10X  
 Misc : 5.32g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-04-12-13

Quant Time: Mar 17 00:36:50 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X031418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 15 03:39:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 104931   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 176422   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 168477   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 81368    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.08   | 65  | 71918    | 49.55 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.10% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 53991    | 48.50 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.00% |      |
| 50) Toluene-d8            | 8.73   | 98  | 223900   | 48.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.44% |      |
| 62) 4-Bromofluorobenzene  | 11.15  | 95  | 75349    | 40.46 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 80.92% |      |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 5) Bromomethane                | 1.65  | 94  | 431    | 0.30  | ug/l # | 74     |
| 10) Methyl Iodide              | 2.53  | 142 | 281    | 0.23  | ug/l # | 81     |
| 16) Acetone                    | 2.45  | 43  | 1196   | 1.23  | ug/l # | 77     |
| 20) Methylene Chloride         | 2.87  | 84  | 2740   | 2.18  | ug/l   | 93     |
| 30) Chloroform                 | 5.28  | 83  | 451    | 0.22  | ug/l # | 17     |
| 31) Cyclohexane                | 5.59  | 56  | 3900   | 2.38  | ug/l   | 87     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 8474   | 5.29  | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 10091  | 6.24  | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.47  | 83  | 14880  | 7.96  | ug/l   | 96     |
| 40) Benzene                    | 6.16  | 78  | 1397   | 0.31  | ug/l # | 89     |
| 48) Methyl methacrylate        | 7.74  | 41  | 1617   | 1.04  | ug/l # | 79     |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43  | 665    | 0.28  | ug/l # | 37     |
| 52) Toluene                    | 8.79  | 92  | 4947   | 1.55  | ug/l   | 98     |
| 56) Ethyl methacrylate         | 9.17  | 69  | 1474   | 0.78  | ug/l # | 59     |
| 58) 2-Chloroethyl Vinyl ether  | 8.23  | 63  | 157    | Below | Cal #  | 46     |
| 59) 2-Hexanone                 | 9.56  | 43  | 1713   | 0.85  | ug/l # | 35     |
| 67) Ethyl Benzene              | 10.26 | 91  | 65380  | 11.18 | ug/l   | 94     |
| 68) m/p-Xylenes                | 10.37 | 106 | 69711  | 30.59 | ug/l   | 98     |
| 69) o-Xylene                   | 10.71 | 106 | 17505  | 7.91  | ug/l   | 98     |
| 70) Styrene                    | 10.71 | 104 | 1116   | 0.30  | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105 | 12606  | 2.57  | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 11.44 | 75  | 1661   | Below | Cal #  | 1      |
| 78) n-propylbenzene            | 11.37 | 91  | 57480  | 9.73  | ug/l   | 97     |
| 79) 2-Chlorotoluene            | 11.44 | 91  | 20012  | 5.97  | ug/l # | 39     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105 | 76240  | 18.26 | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75  | 43290  | 78.79 | ug/l # | 9      |
| 82) 4-Chlorotoluene            | 11.51 | 91  | 9178   | 2.23  | ug/l # | 45     |
| 83) tert-Butylbenzene          | 12.04 | 119 | 5773   | 1.42  | ug/l   | 75     |
| 84) 1,2,4-Trimethylbenzene     | 11.82 | 105 | 201636 | 46.98 | ug/l   | 100    |
| 85) sec-Butylbenzene           | 11.82 | 105 | 201636 | 39.55 | ug/l # | 56     |
| 86) p-Isopropyltoluene         | 12.07 | 119 | 4242   | 0.93  | ug/l   | 87     |
| 89) n-Butylbenzene             | 12.39 | 91  | 24591  | 5.57  | ug/l # | 31     |
| 90) Hexachloroethane           | 12.60 | 117 | 2851   | 3.92  | ug/l # | 12     |
| 92) 1,2-Dibromo-3-Chloropropan | 13.02 | 75  | 373    | 0.79  | ug/l # | 1      |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

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Quant Title : SW846 8260  
QLast Update : Thu Mar 15 03:39:21 2018  
Response via : Initial Calibration

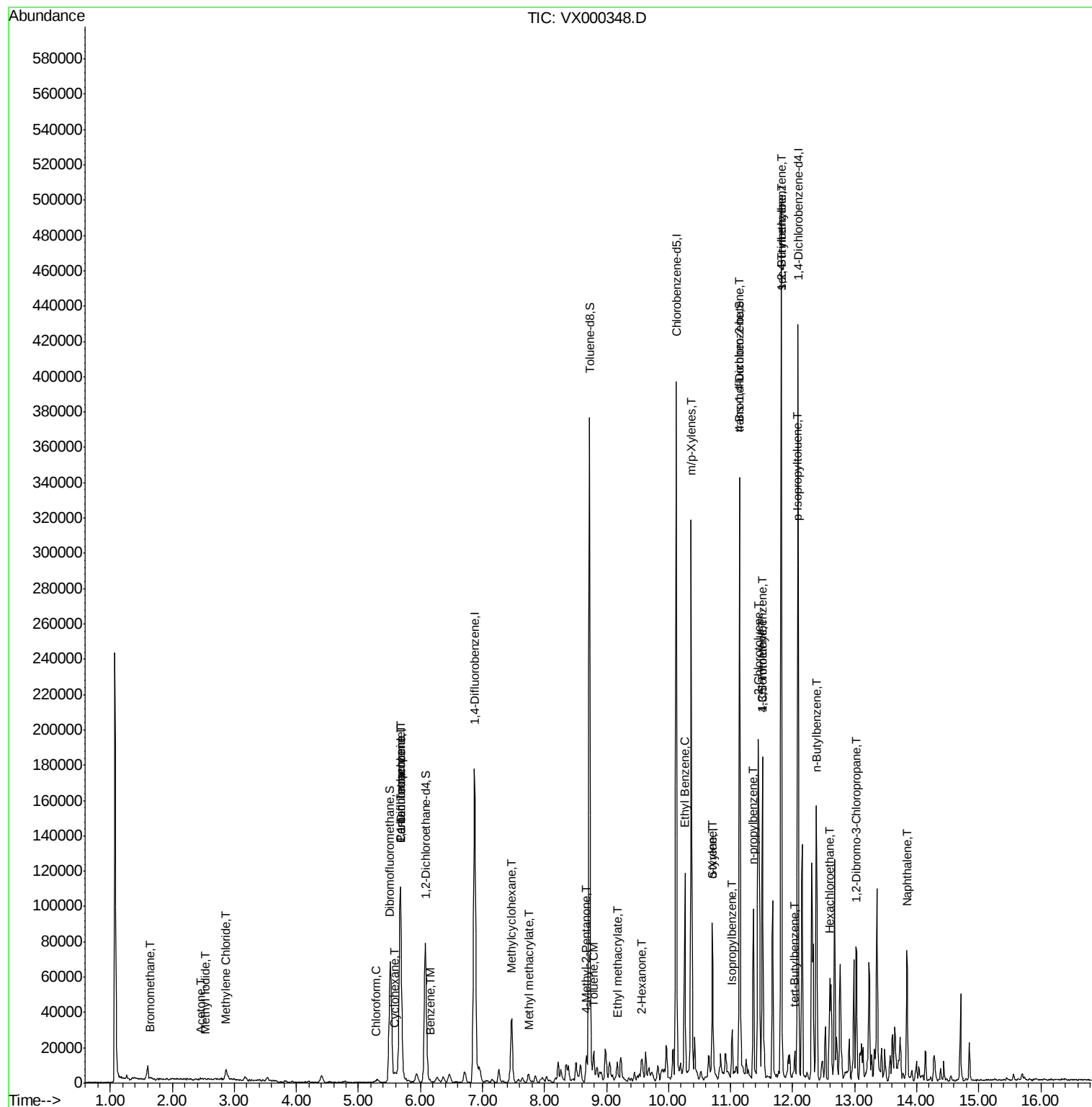
| Internal Standards | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|-------|------|----------|------|-------|----------|
| 95) Naphthalene    | 13.84 | 128  | 42022    | 6.88 | ug/l  | 98       |

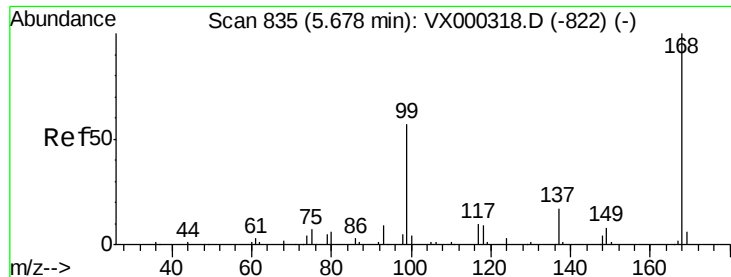
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampled :  
SB-04-12-13

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Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X031418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 15 03:39:21 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampleId :

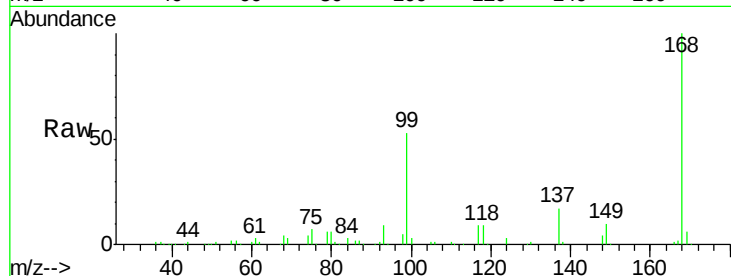
SB-04-12-13

Tgt Ion:168 Resp: 104931

Ion Ratio Lower Upper

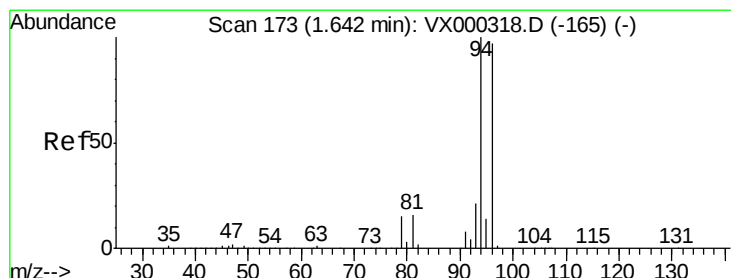
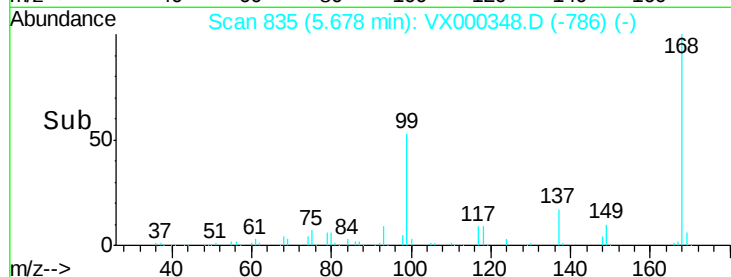
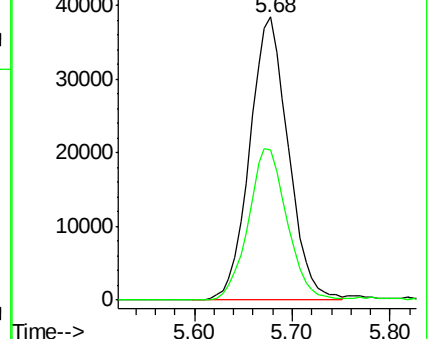
168 100

99 53.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.30 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000348.D

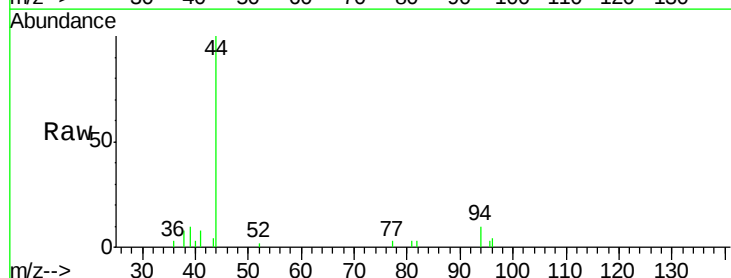
Acq: 16 Mar 2018 15:04

Tgt Ion: 94 Resp: 431

Ion Ratio Lower Upper

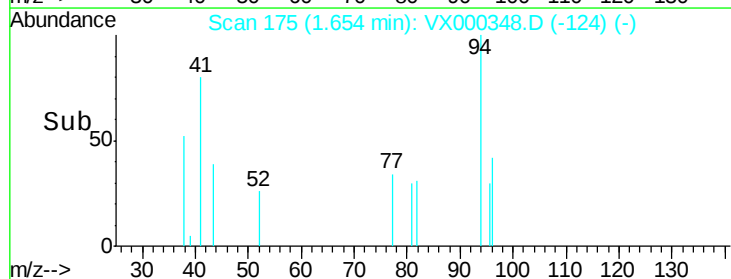
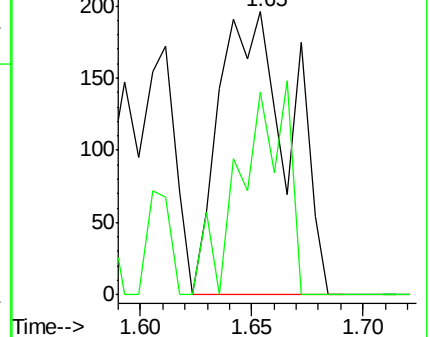
94 100

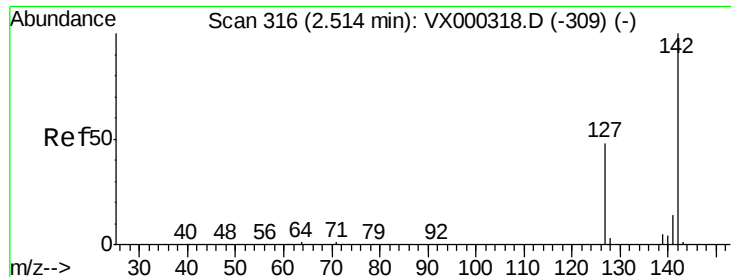
96 71.4 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

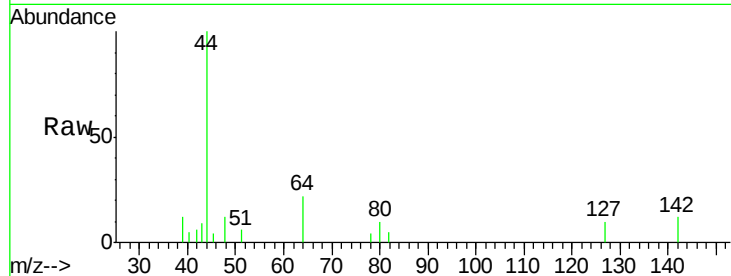




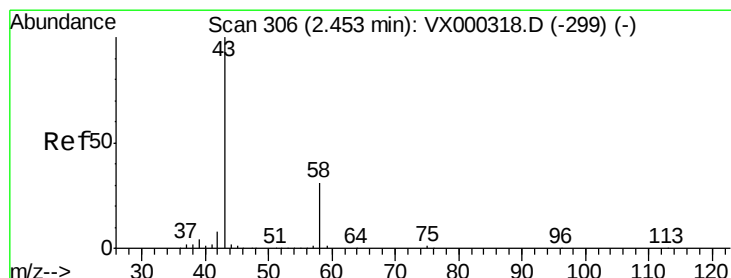
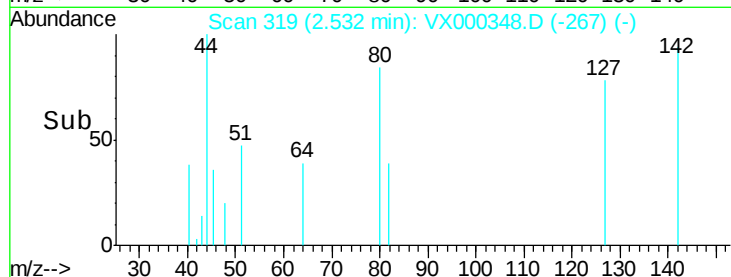
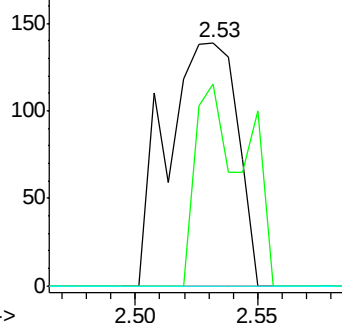
#10  
Methyl Iodide  
Concen: 0.23 ug/l  
RT: 2.53 min Scan# 319  
Delta R.T. 0.02 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

Tgt Ion:142 Resp: 281  
Ion Ratio Lower Upper  
142 100  
127 58.4 39.2 58.8  
141 0.0 11.7 17.5#

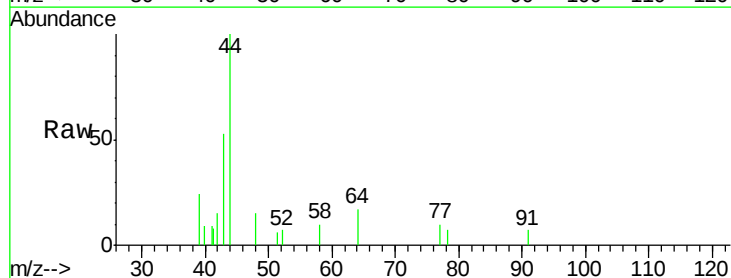


Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

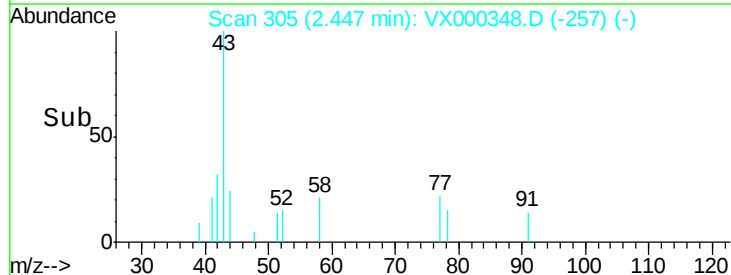
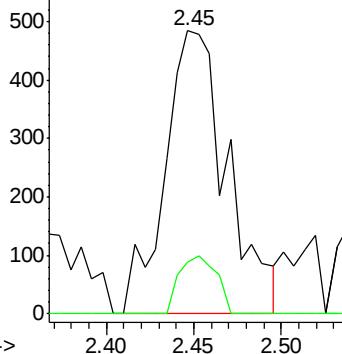


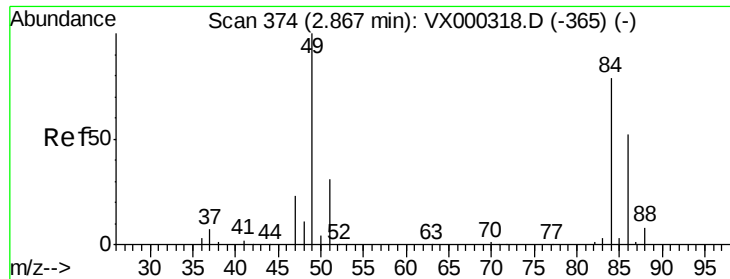
#16  
Acetone  
Concen: 1.23 ug/l  
RT: 2.45 min Scan# 305  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 43 Resp: 1196  
Ion Ratio Lower Upper  
43 100  
58 18.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

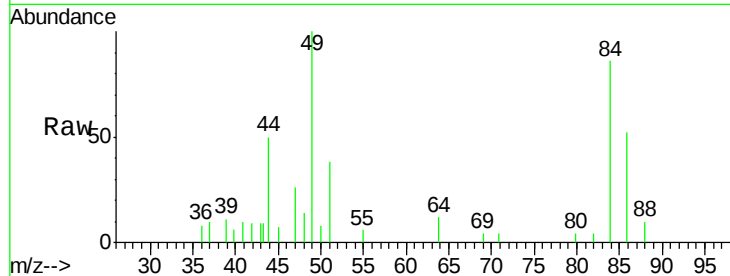




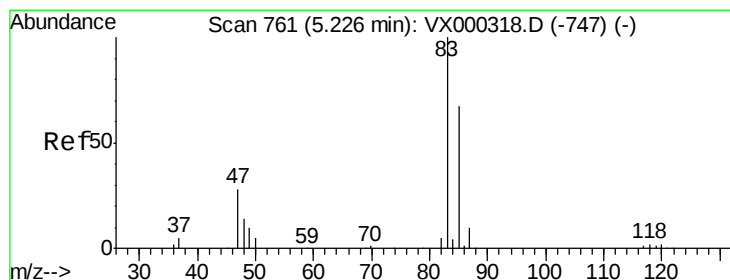
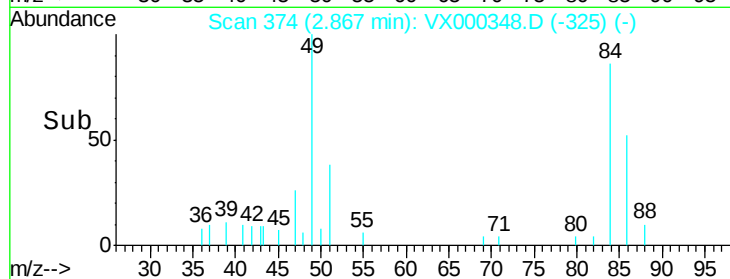
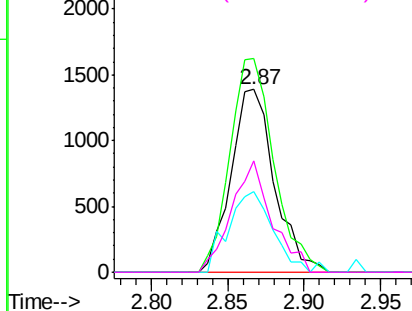
#20  
Methylene Chloride  
Concen: 2.18 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

Tgt Ion: 84 Resp: 2740  
Ion Ratio Lower Upper  
84 100  
49 116.8 100.6 151.0  
51 44.1 31.6 47.4  
86 60.7 52.6 78.8

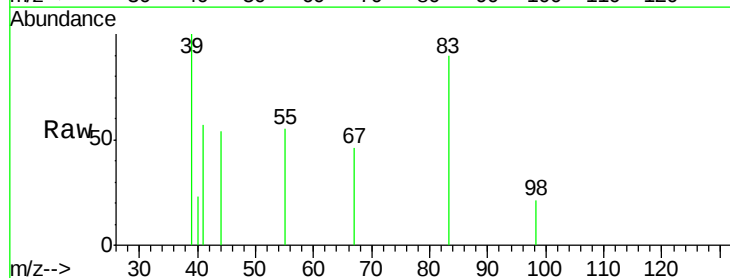


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

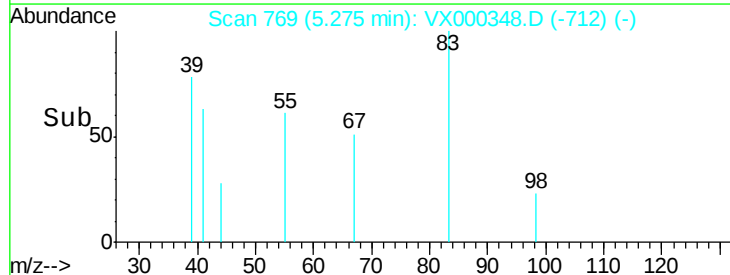
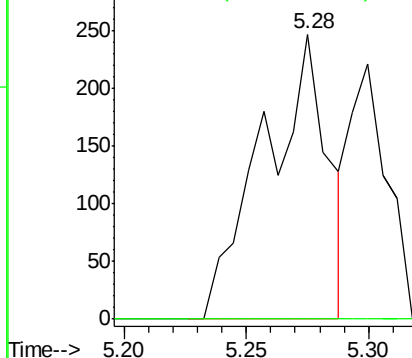


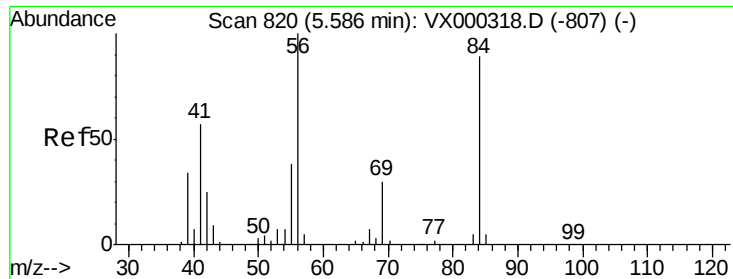
#30  
Chloroform  
Concen: 0.22 ug/l  
RT: 5.28 min Scan# 769  
Delta R.T. 0.05 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 83 Resp: 451  
Ion Ratio Lower Upper  
83 100  
85 0.0 53.3 79.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0

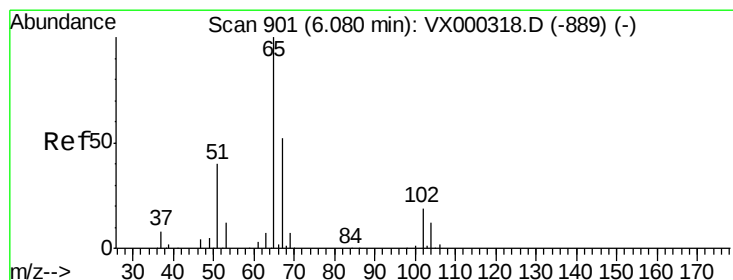
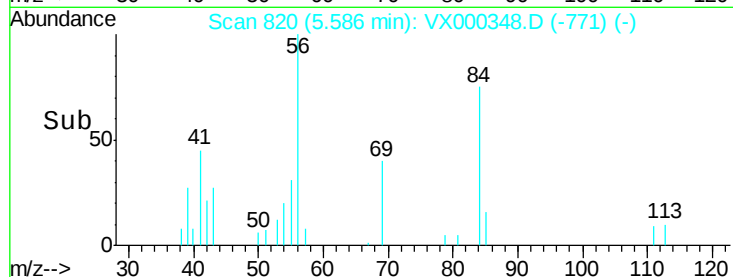
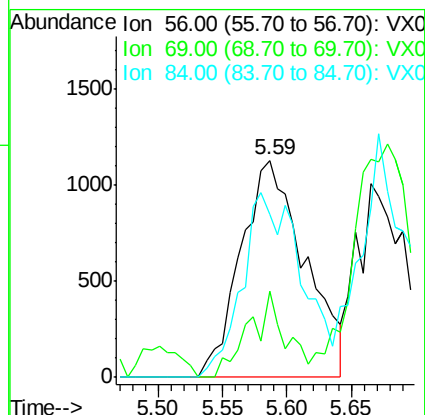
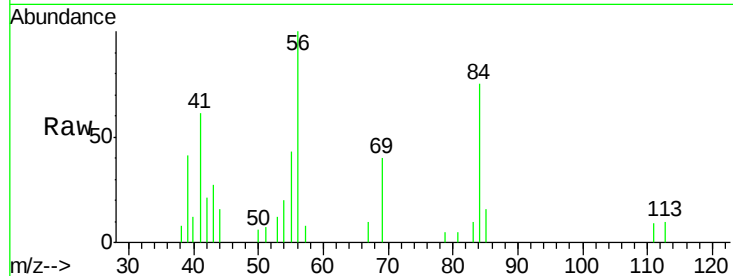




#31  
Cyclohexane  
Concen: 2.38 ug/l  
RT: 5.59 min Scan# 820  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

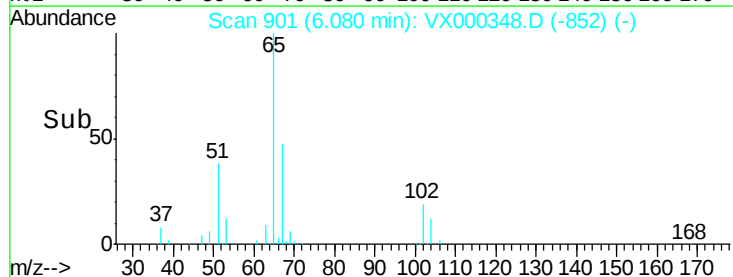
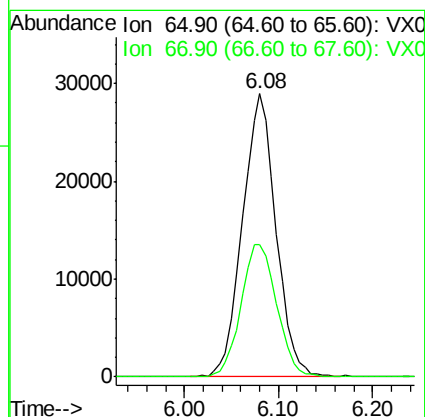
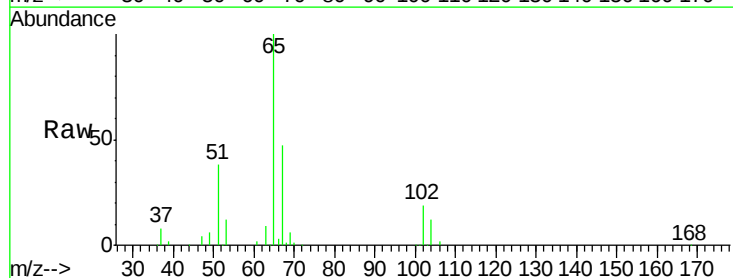
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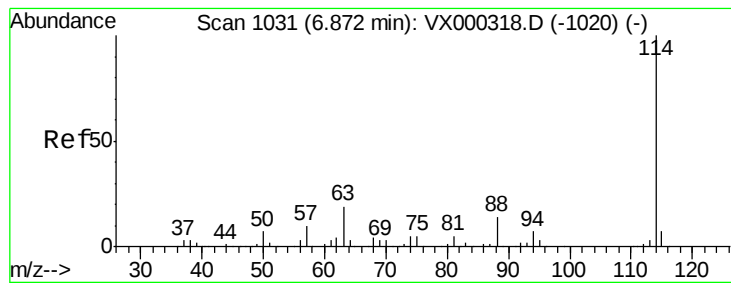
Tgt Ion: 56 Resp: 3900  
Ion Ratio Lower Upper  
56 100  
69 34.0 23.4 35.0  
84 75.3 71.0 106.4



#33  
1,2-Dichloroethane-d4  
Concen: 49.55 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 65 Resp: 71918  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampleId :

SB-04-12-13

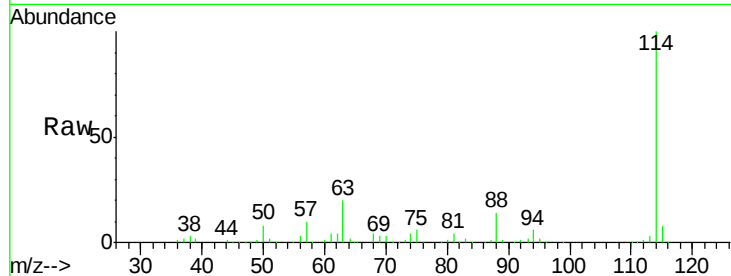
Tgt Ion:114 Resp: 176422

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

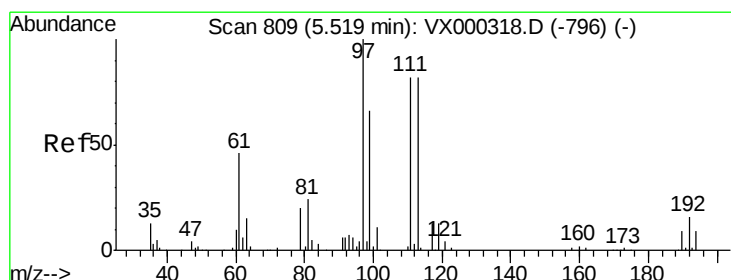
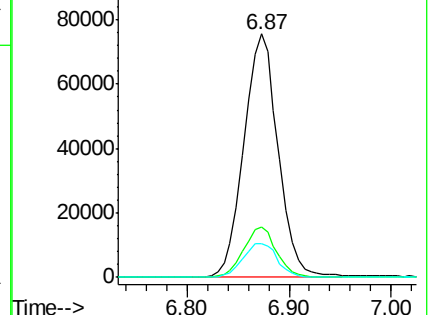
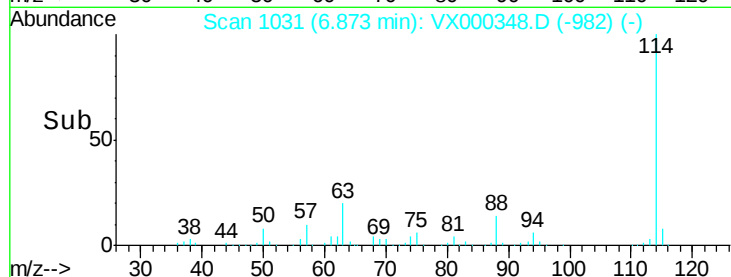
88 13.7 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

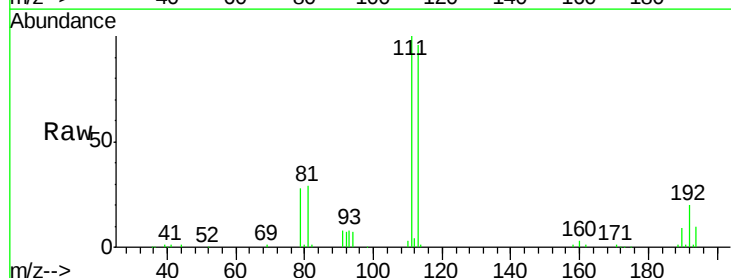
Tgt Ion:113 Resp: 53991

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

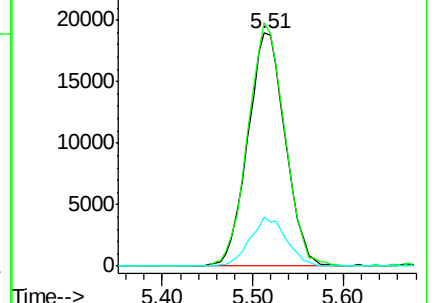
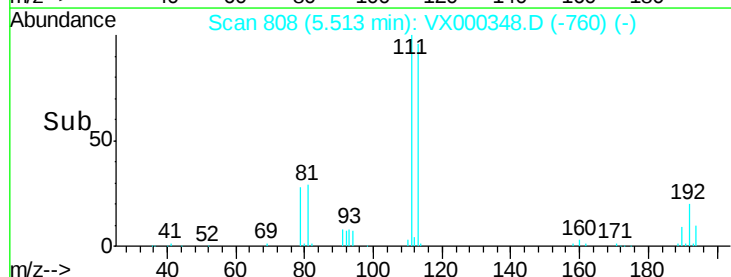
192 20.5 15.8 23.6

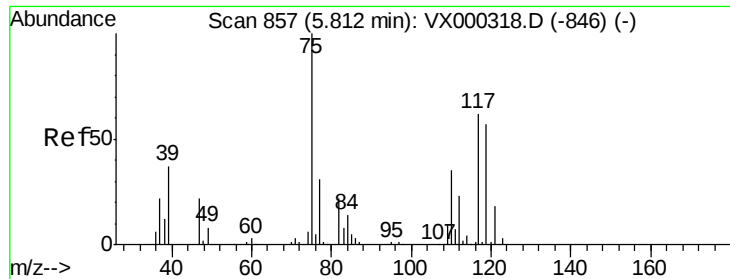


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.29 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000348.D

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Instrument :

MSVOA\_X

ClientSampleId :

SB-04-12-13

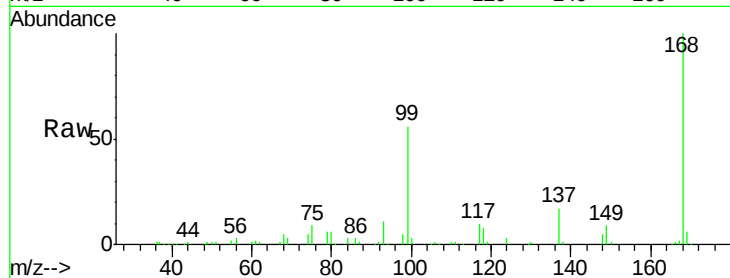
Tgt Ion: 75 Resp: 8474

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.7#

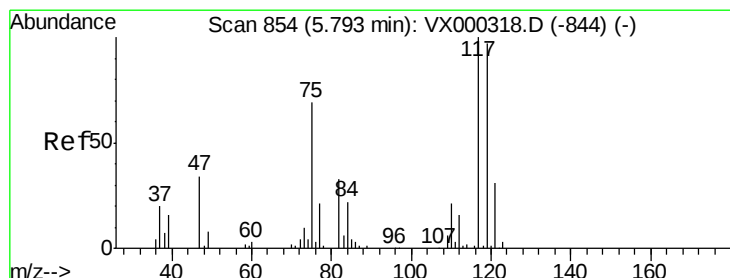
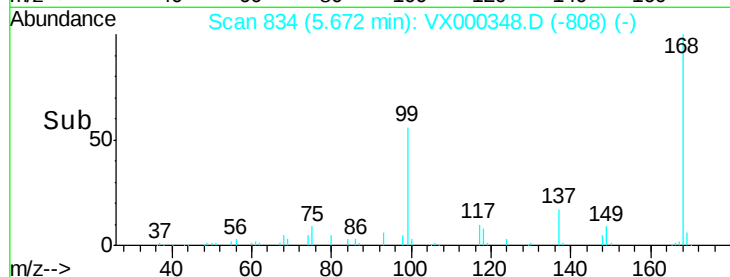
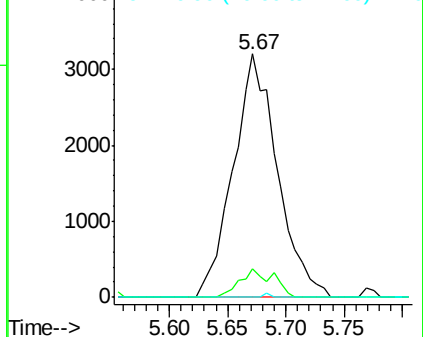
77 0.3 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.24 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

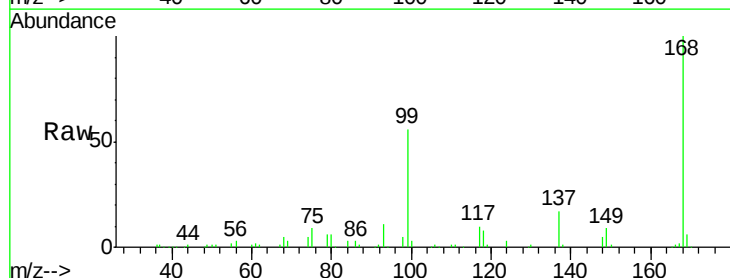
Tgt Ion: 117 Resp: 10091

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.2#

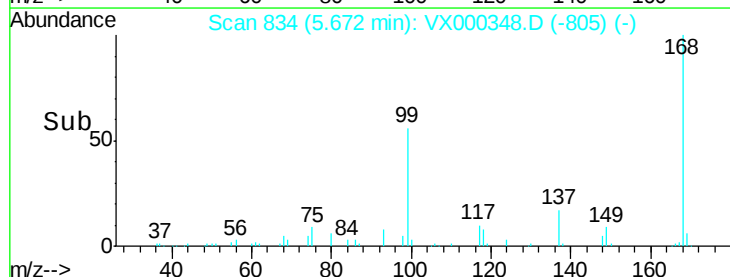
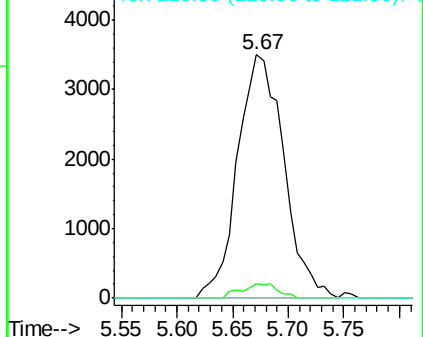
121 0.0 24.8 37.2#

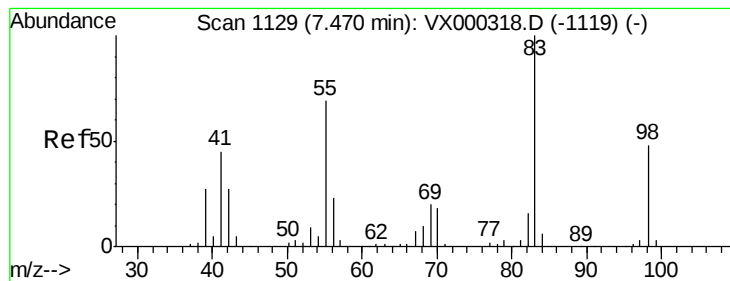


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 7.96 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

SB-04-12-13

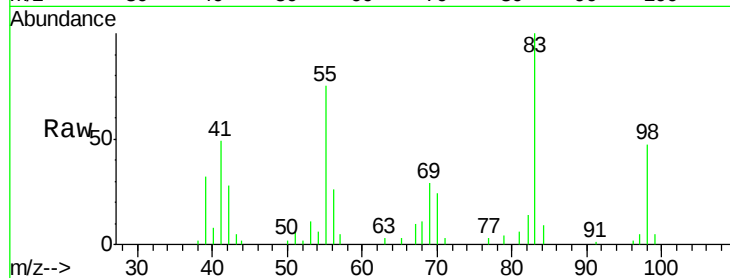
Tgt Ion: 83 Resp: 14880

Ion Ratio Lower Upper

83 100

55 73.8 55.5 83.3

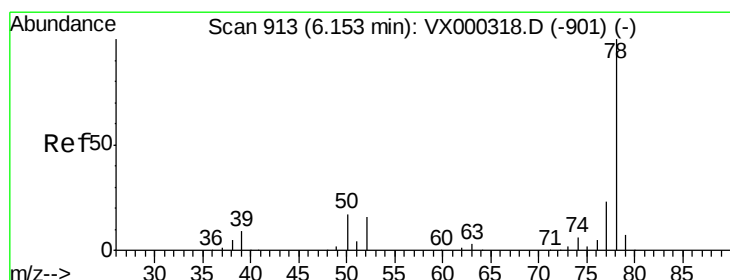
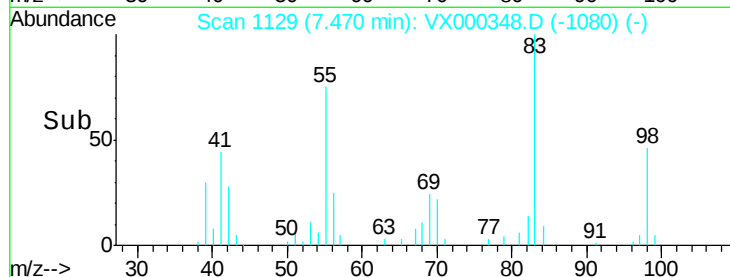
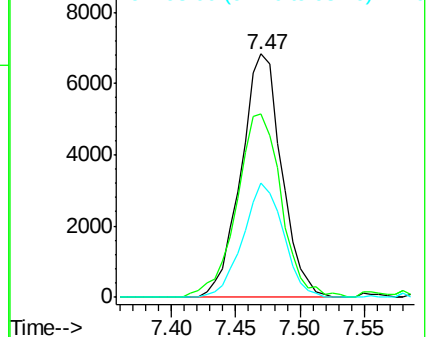
98 46.8 38.2 57.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 0.31 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000348.D

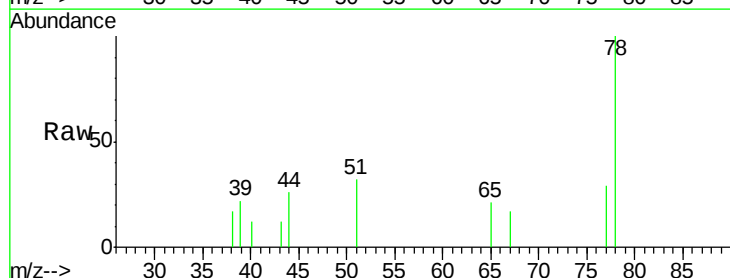
Acq: 16 Mar 2018 15:04

Tgt Ion: 78 Resp: 1397

Ion Ratio Lower Upper

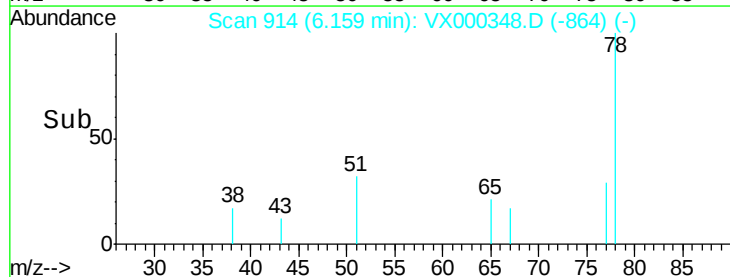
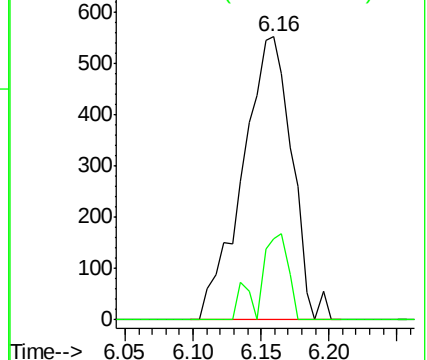
78 100

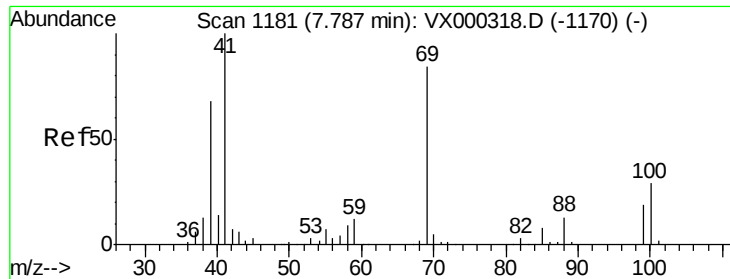
77 28.8 18.7 28.1#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#48

Methyl methacrylate

Concen: 1.04 ug/l

RT: 7.74 min Scan# 1173

Delta R.T. -0.05 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

SB-04-12-13

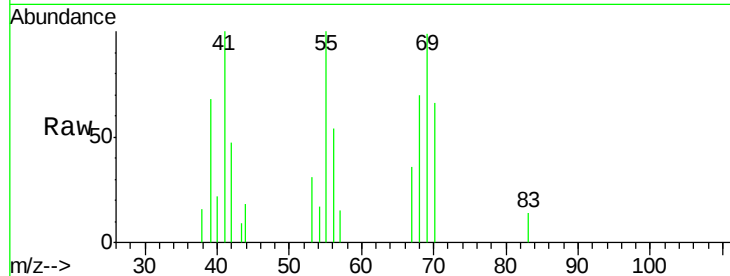
Tgt Ion: 41 Resp: 1617

Ion Ratio Lower Upper

41 100

69 103.8 68.2 102.4#

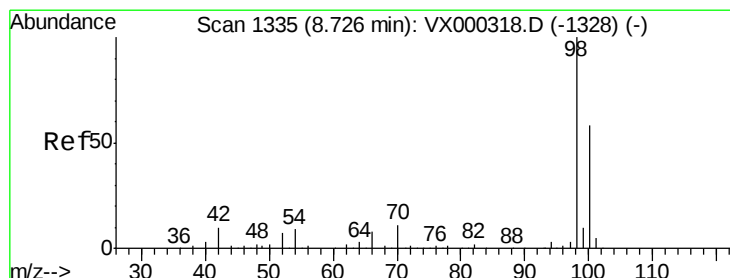
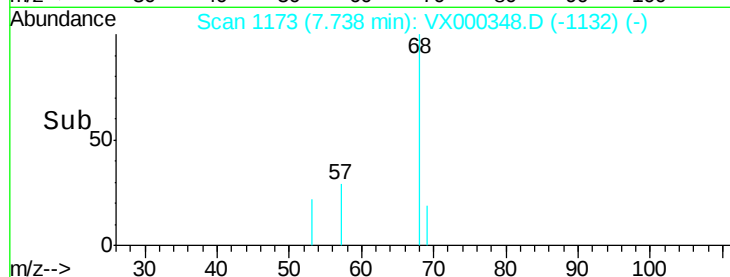
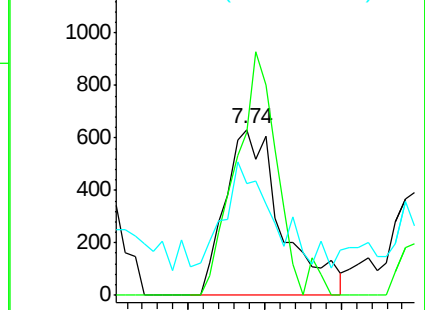
39 50.1 54.6 81.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 48.22 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000348.D

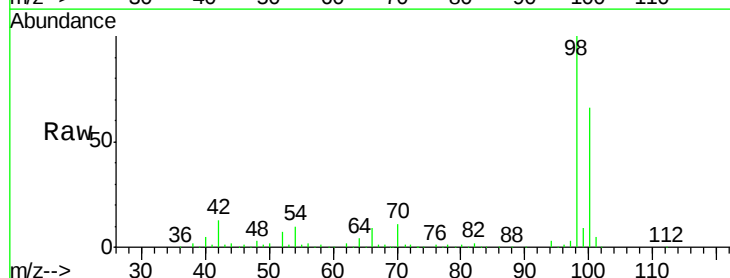
Acq: 16 Mar 2018 15:04

Tgt Ion: 98 Resp: 223900

Ion Ratio Lower Upper

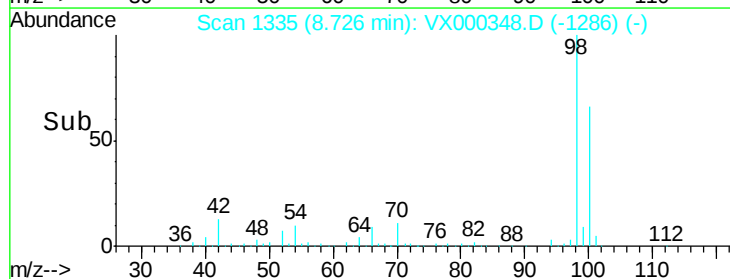
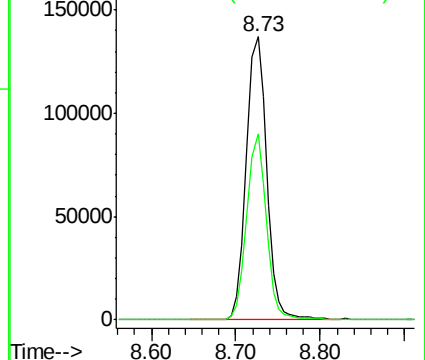
98 100

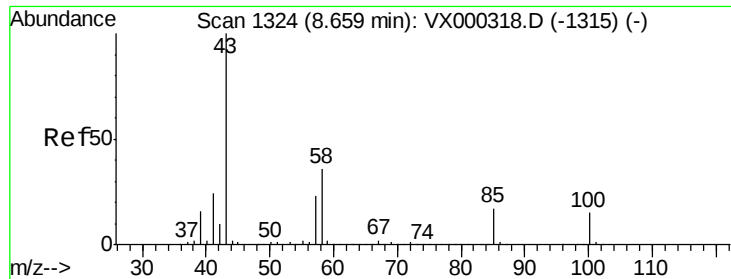
100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

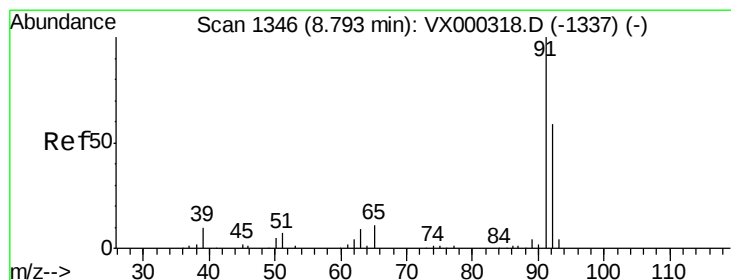
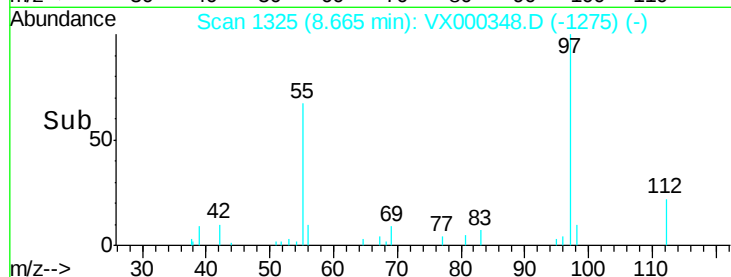
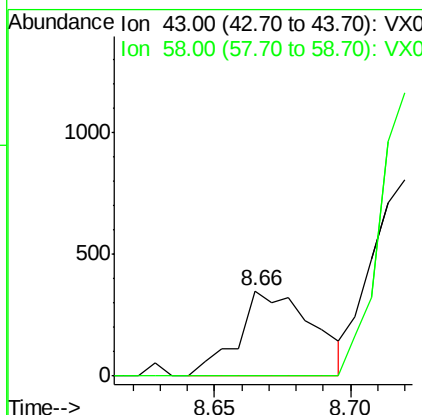
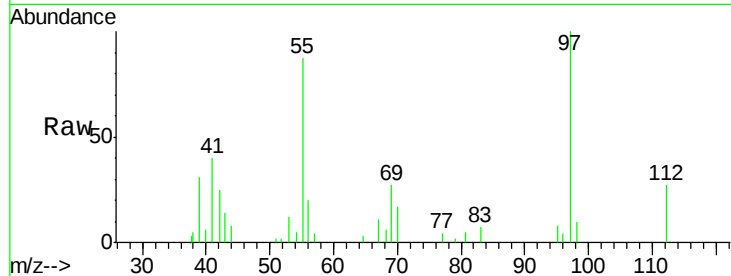




#51  
4-Methyl-2-Pentanone  
Concen: 0.28 ug/l  
RT: 8.66 min Scan# 1325  
Delta R.T. 0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

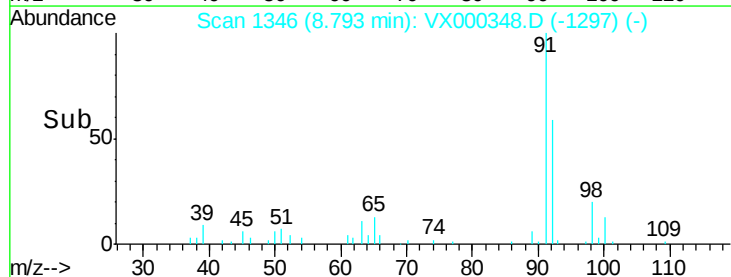
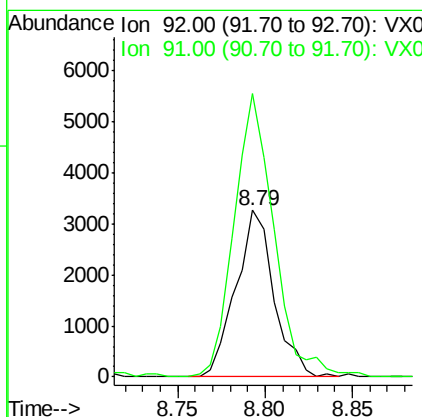
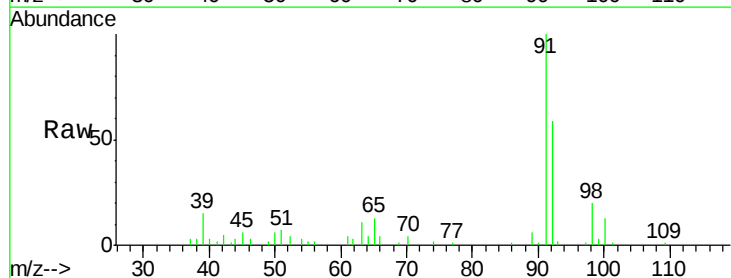
Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

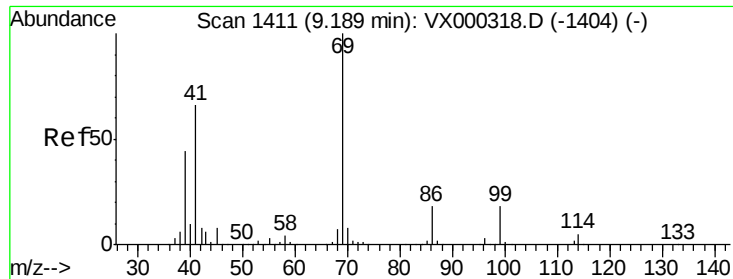
Tgt Ion: 43 Resp: 665  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.3 45.5#



#52  
Toluene  
Concen: 1.55 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 92 Resp: 4947  
Ion Ratio Lower Upper  
92 100  
91 177.7 140.2 210.2





#56

Ethyl methacrylate

Concen: 0.78 ug/l

RT: 9.17 min Scan# 1408

Delta R.T. -0.02 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

SB-04-12-13

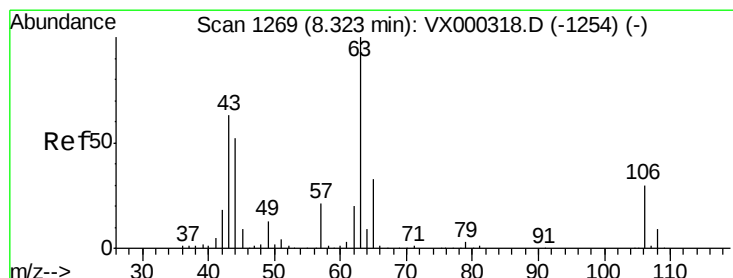
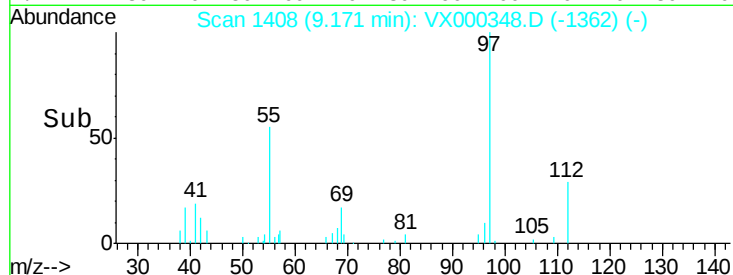
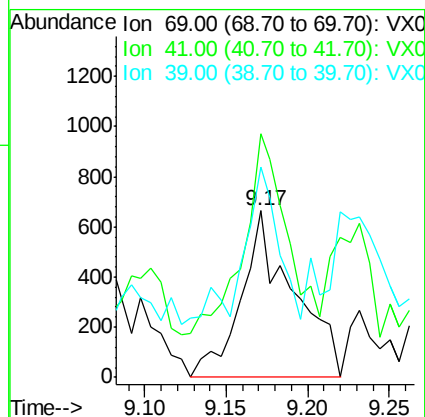
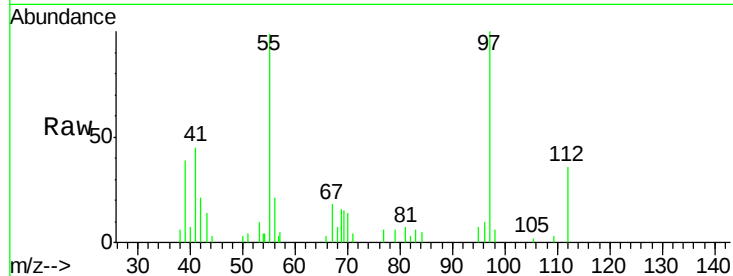
Tgt Ion: 69 Resp: 1474

Ion Ratio Lower Upper

69 100

41 100.6 53.0 79.6#

39 69.1 35.3 52.9#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 8.23 min Scan# 1253

Delta R.T. -0.10 min

Lab File: VX000348.D

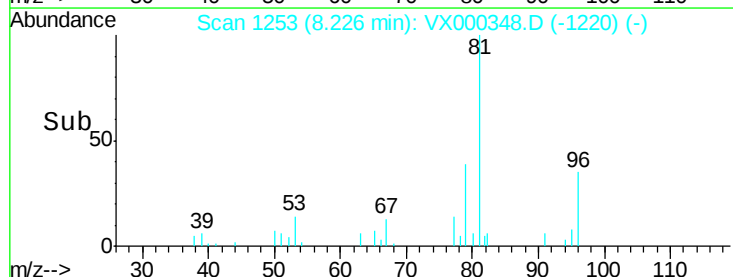
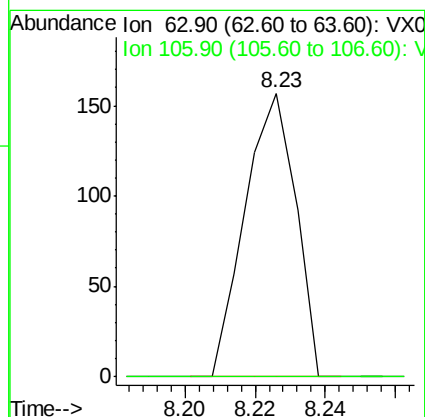
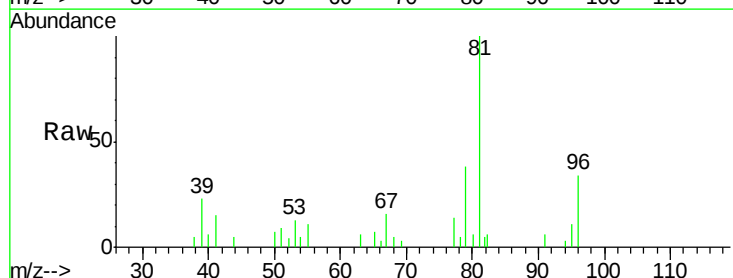
Acq: 16 Mar 2018 15:04

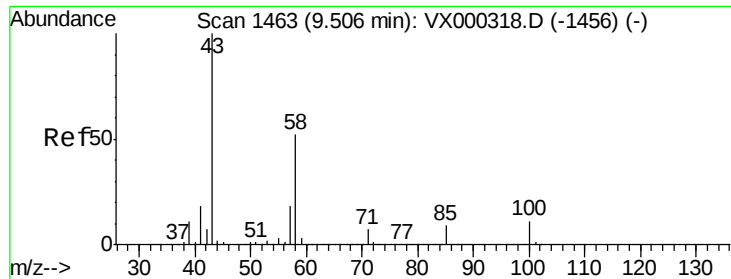
Tgt Ion: 63 Resp: 157

Ion Ratio Lower Upper

63 100

106 0.0 23.2 34.8#

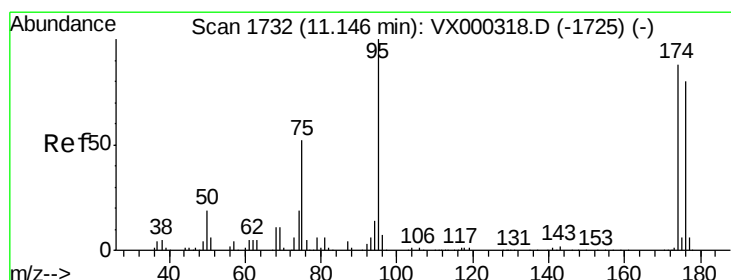
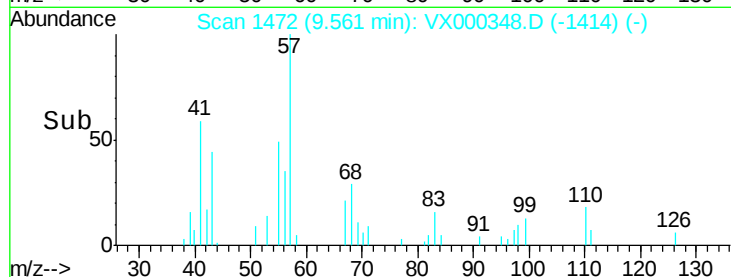
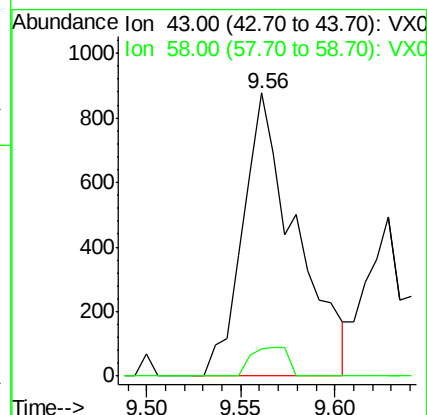
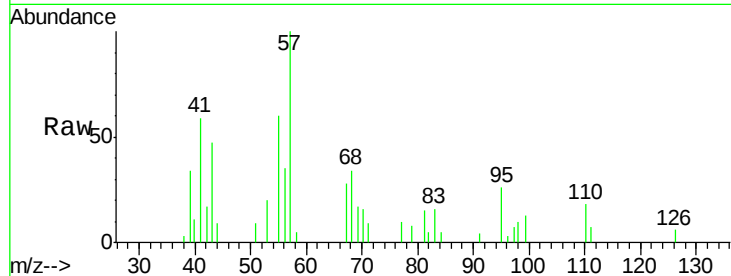




#59  
2-Hexanone  
Concen: 0.85 ug/l  
RT: 9.56 min Scan# 1472  
Delta R.T. 0.05 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

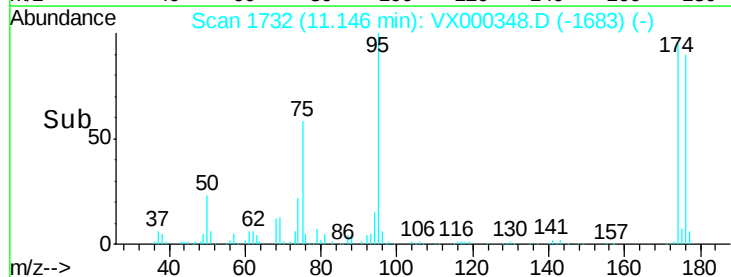
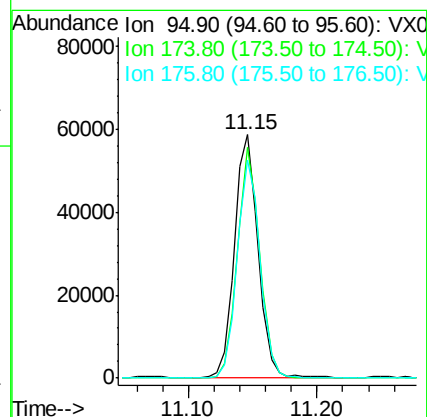
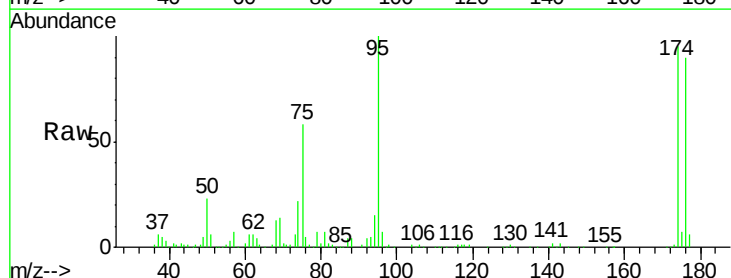
Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

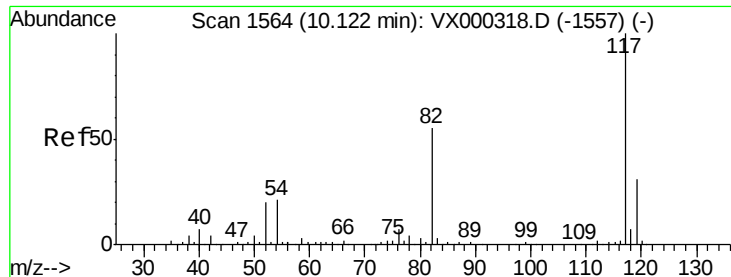
Tgt Ion: 43 Resp: 1713  
Ion Ratio Lower Upper  
43 100  
58 7.1 26.6 79.7#



#62  
4-Bromofluorobenzene  
Concen: 40.46 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 95 Resp: 75349  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 173.6  
176 87.1 0.0 164.6

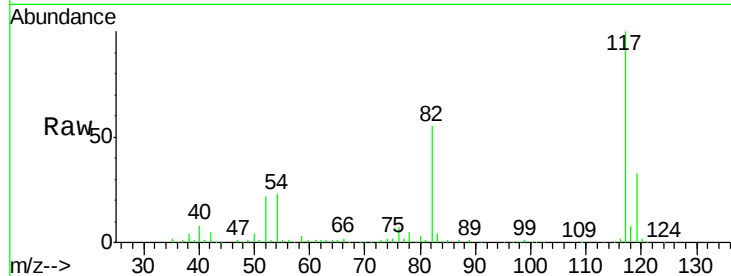




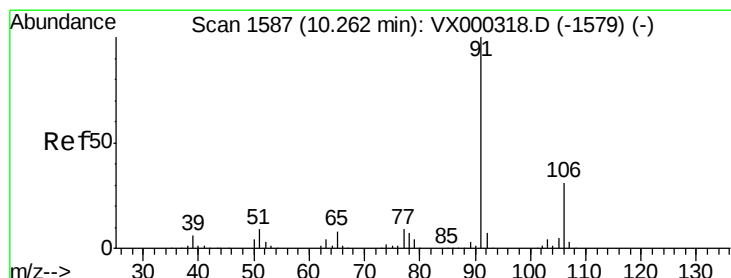
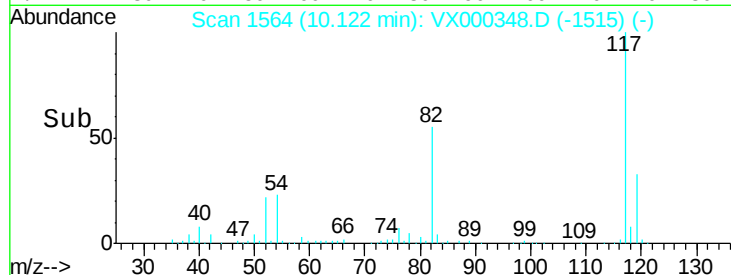
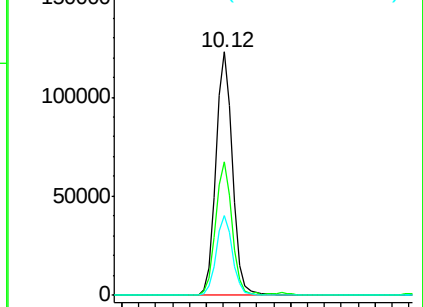
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

Tgt Ion: 117 Resp: 168477  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.8 65.8  
119 32.9 24.9 37.3

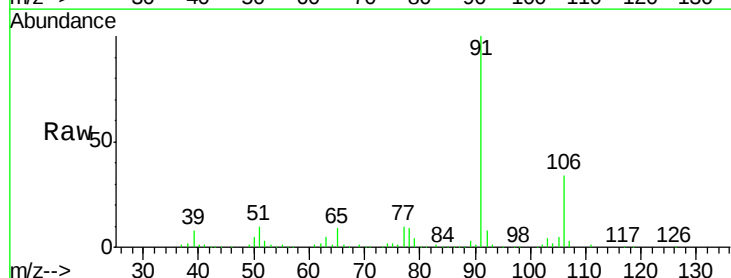


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

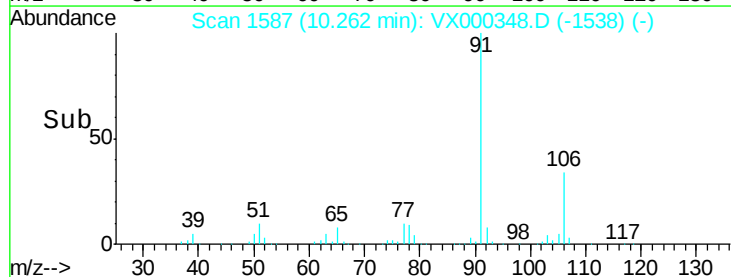
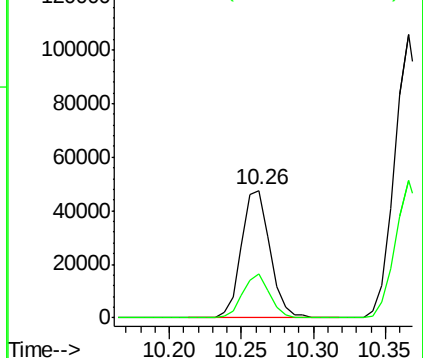


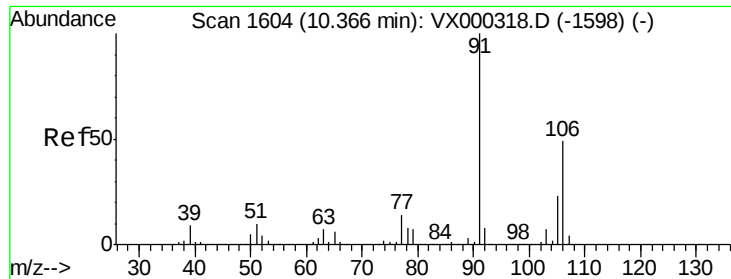
#67  
Ethyl Benzene  
Concen: 11.18 ug/l  
RT: 10.26 min Scan# 1587  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 91 Resp: 65380  
Ion Ratio Lower Upper  
91 100  
106 34.4 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V

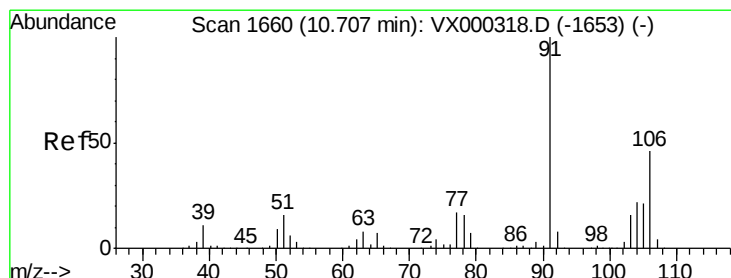
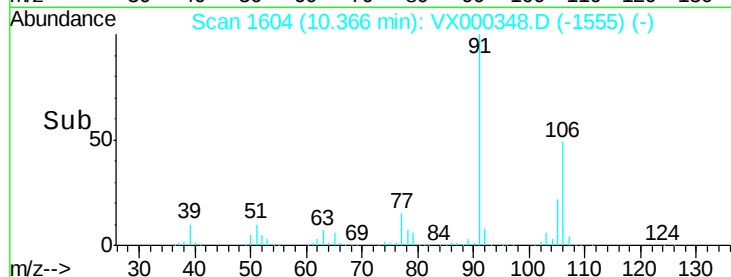
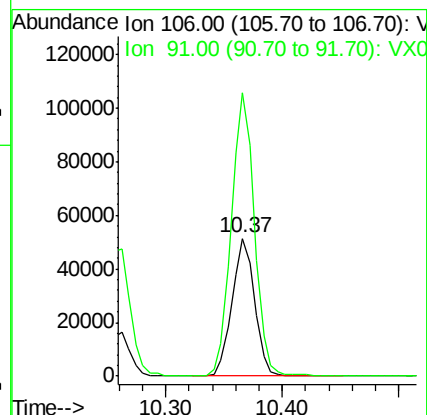
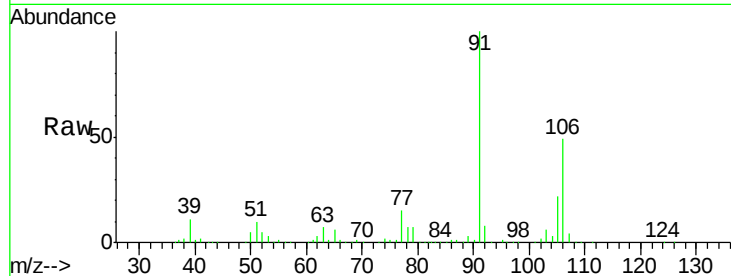




#68  
m/p-Xylenes  
Concen: 30.59 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

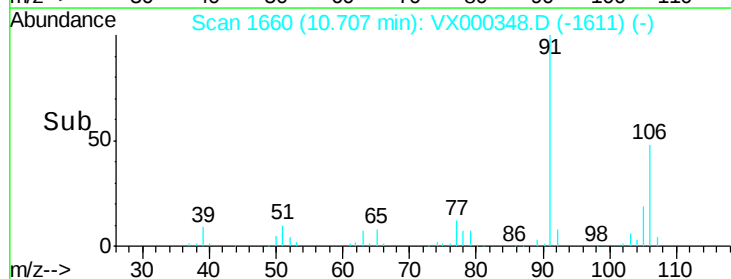
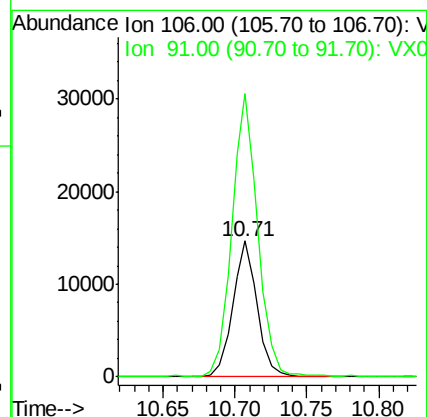
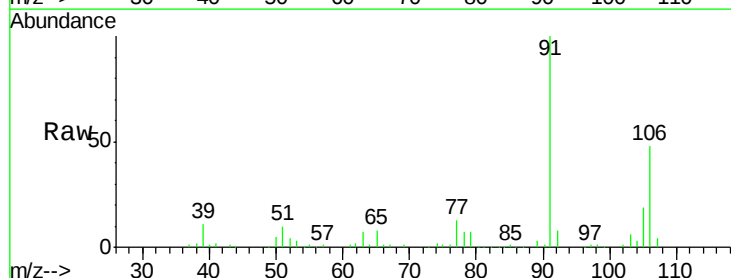
Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

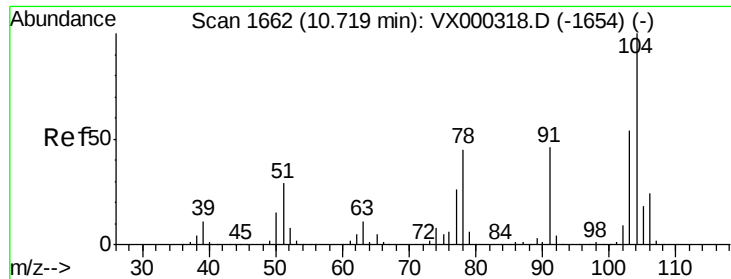
Tgt Ion:106 Resp: 69711  
Ion Ratio Lower Upper  
106 100  
91 207.8 163.4 245.2



#69  
o-Xylene  
Concen: 7.91 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion:106 Resp: 17505  
Ion Ratio Lower Upper  
106 100  
91 217.0 106.5 319.6

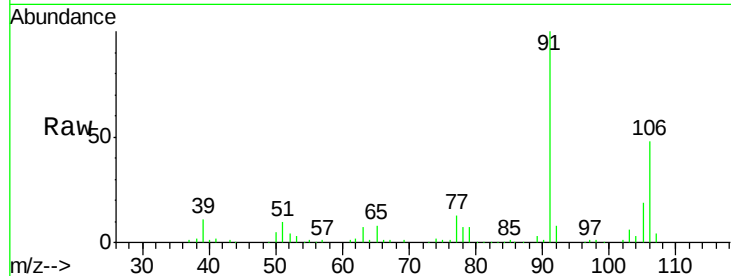




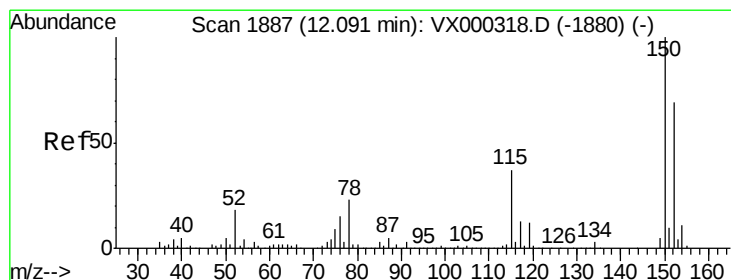
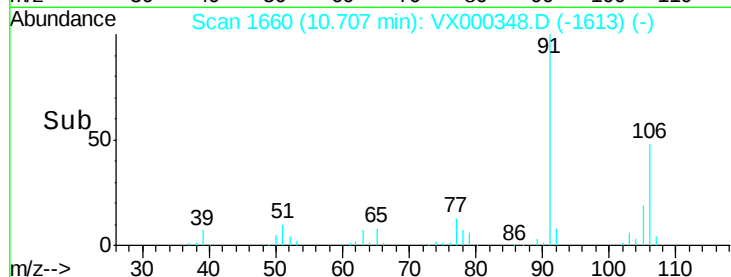
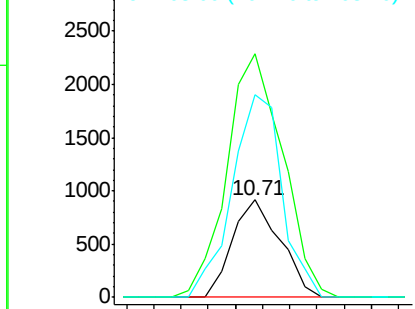
#70  
Styrene  
Concen: 0.30 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-04-12-13

Tgt Ion:104 Resp: 1116  
Ion Ratio Lower Upper  
104 100  
78 292.1 40.5 60.7#  
103 217.2 45.7 68.5#

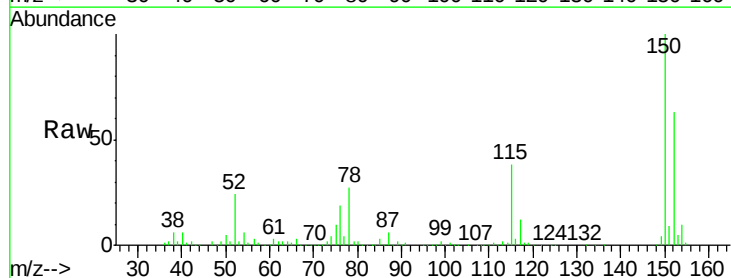


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX  
Ion 103.00 (102.70 to 103.70): V

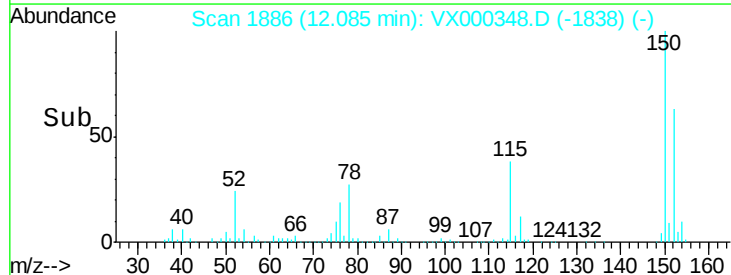
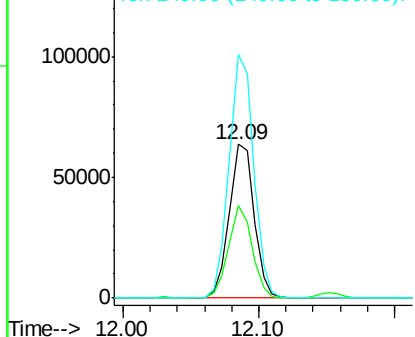


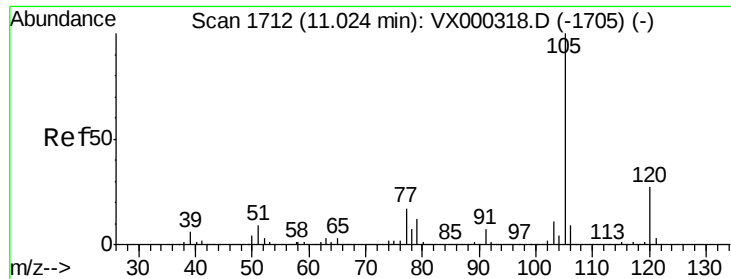
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion:152 Resp: 81368  
Ion Ratio Lower Upper  
152 100  
115 57.4 39.8 119.3  
150 156.3 0.0 344.4



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





#73

Isopropylbenzene

Concen: 2.57 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

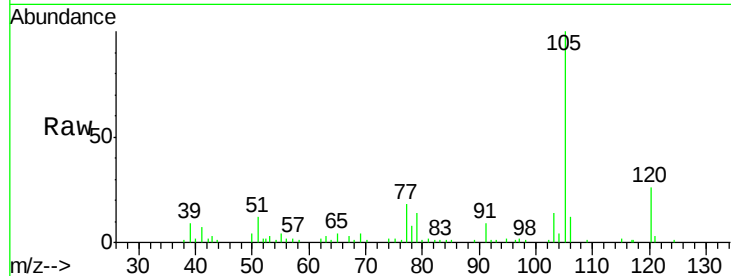
SB-04-12-13

Tgt Ion: 105 Resp: 12606

Ion Ratio Lower Upper

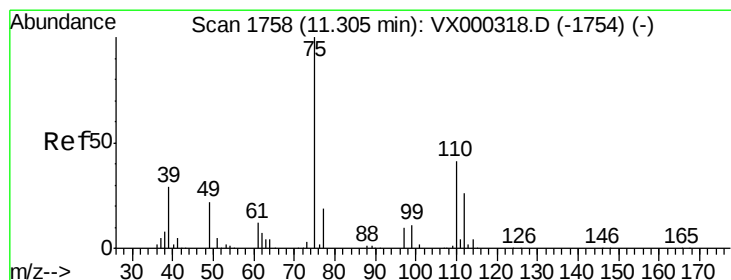
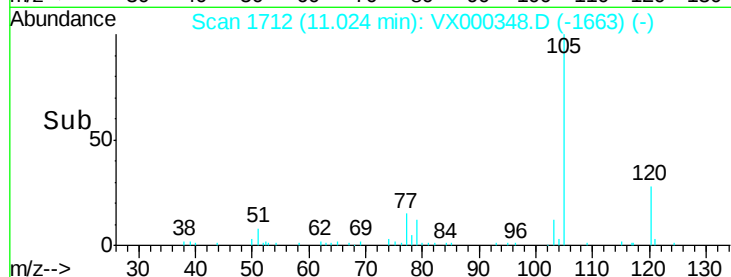
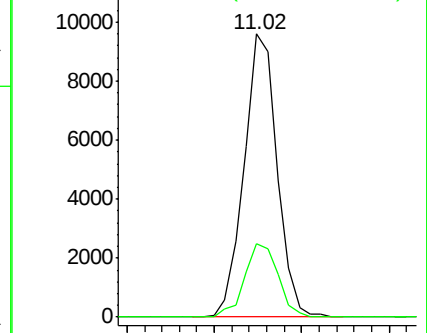
105 100

120 26.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 11.44 min Scan# 1780

Delta R.T. 0.13 min

Lab File: VX000348.D

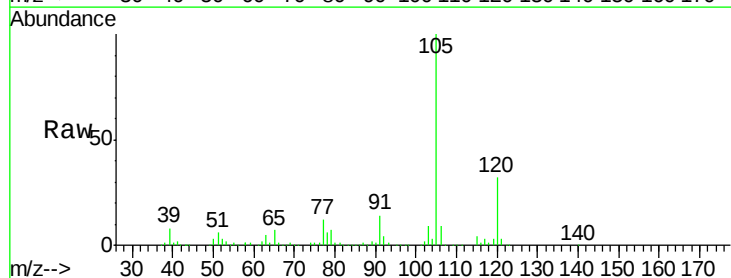
Acq: 16 Mar 2018 15:04

Tgt Ion: 75 Resp: 1661

Ion Ratio Lower Upper

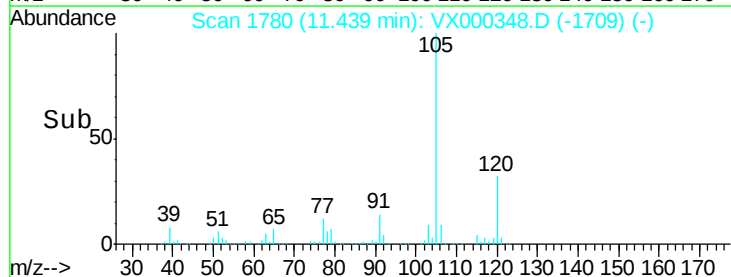
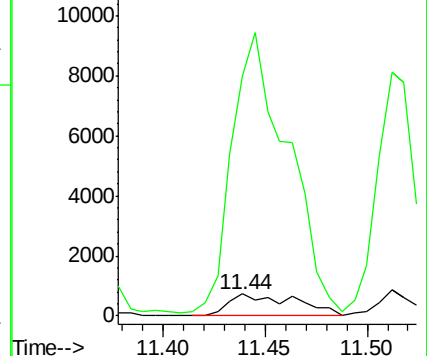
75 100

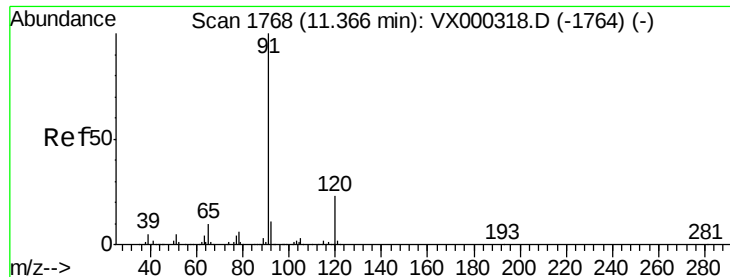
77 1089.2 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 9.73 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

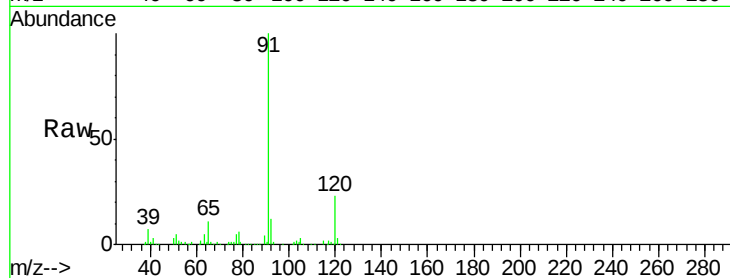
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Tgt Ion: 91 Resp: 57480

Ion Ratio Lower Upper

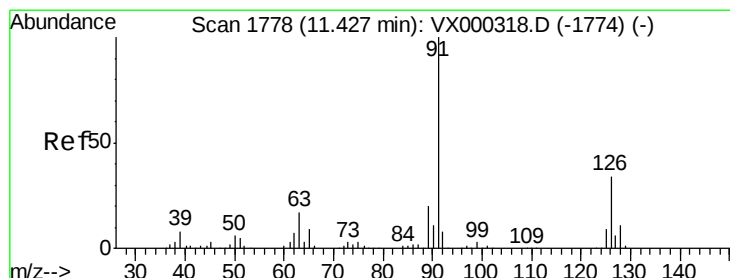
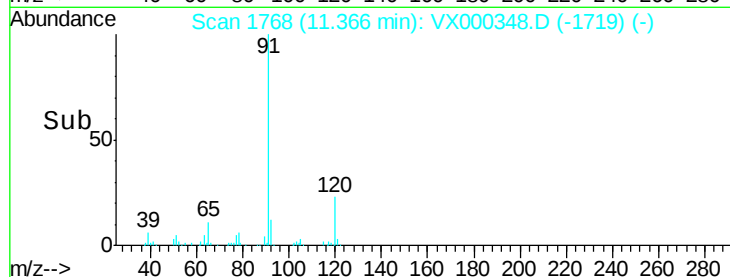
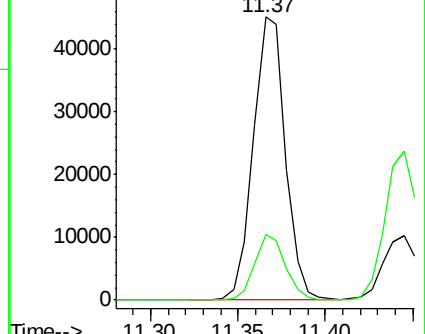
91 100

120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 5.97 ug/l

RT: 11.44 min Scan# 1781

Delta R.T. 0.02 min

Lab File: VX000348.D

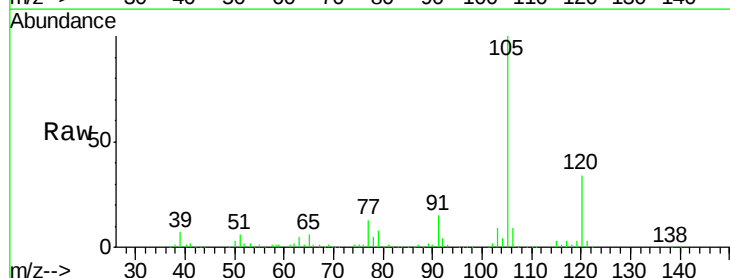
Acq: 16 Mar 2018 15:04

Tgt Ion: 91 Resp: 20012

Ion Ratio Lower Upper

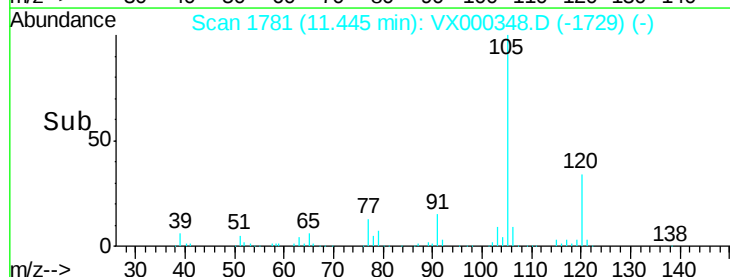
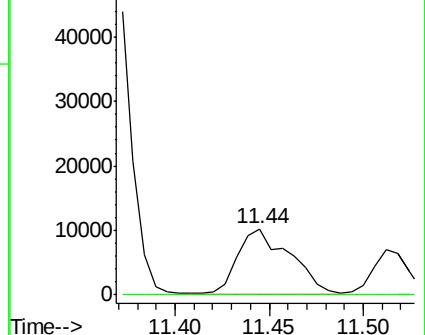
91 100

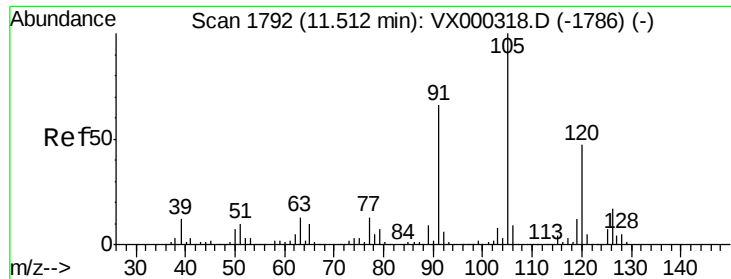
126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 18.26 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

Instrument :

MSVOA\_X

ClientSampled :

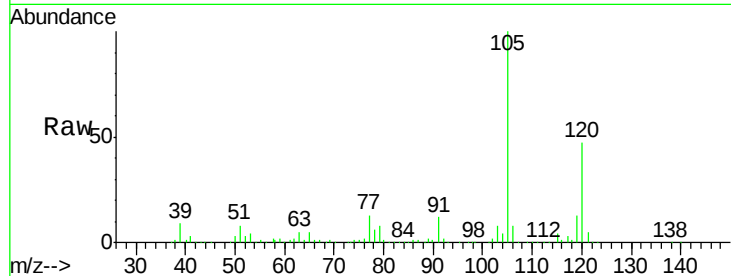
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Tgt Ion: 105 Resp: 76240

Ion Ratio Lower Upper

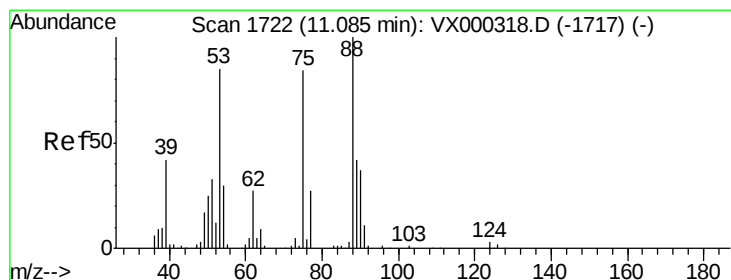
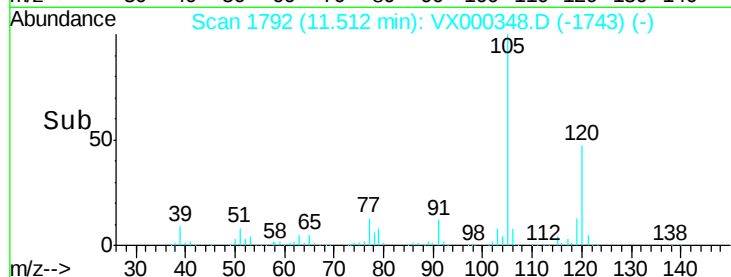
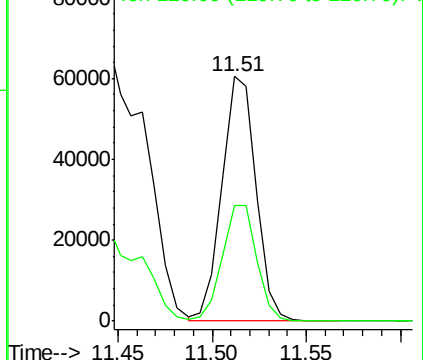
105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 78.79 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000348.D

Acq: 16 Mar 2018 15:04

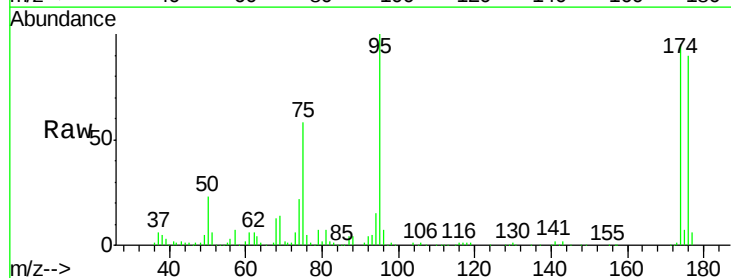
Tgt Ion: 75 Resp: 43290

Ion Ratio Lower Upper

75 100

53 0.3 80.7 121.1#

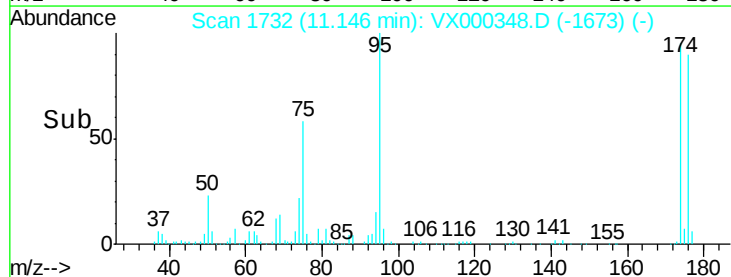
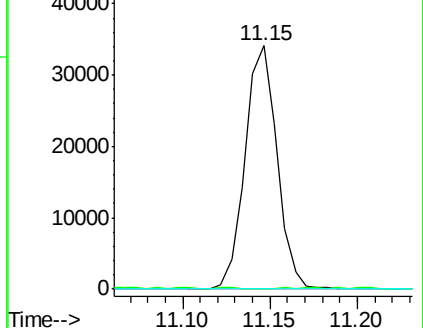
89 0.0 39.4 59.0#

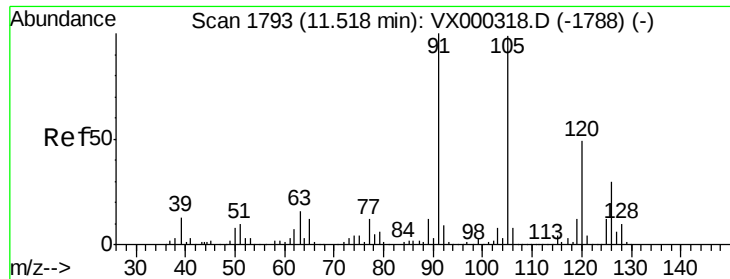


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

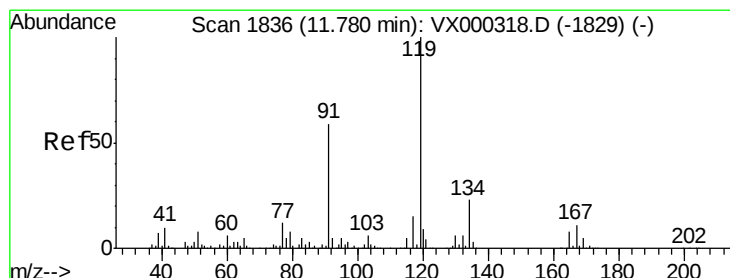
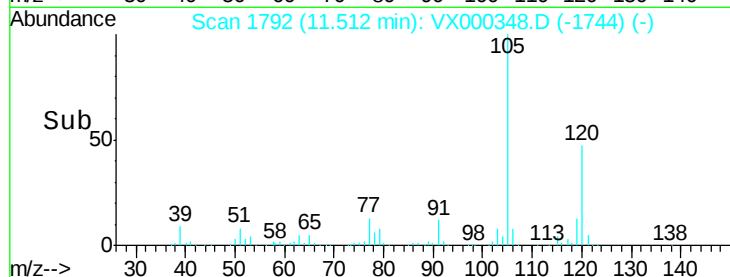
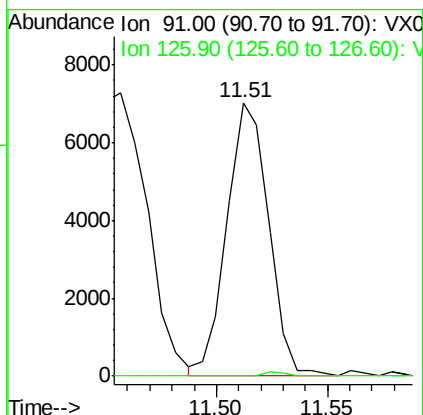
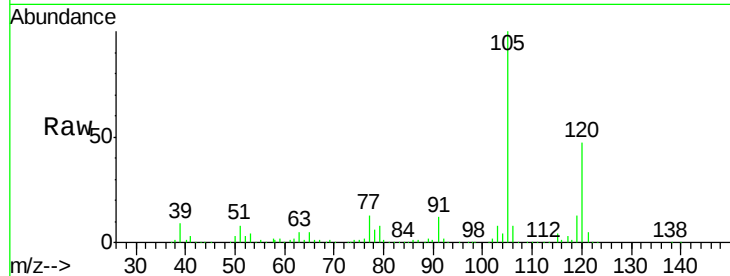




#82  
4-Chlorotoluene  
Concen: 2.23 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

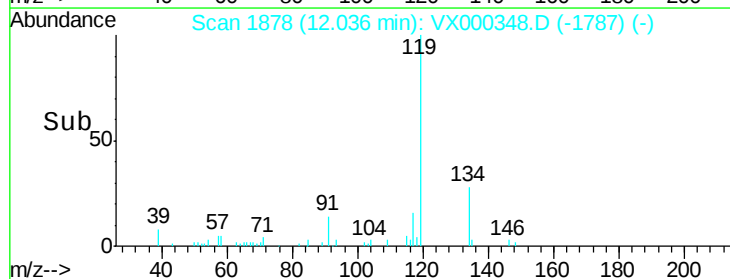
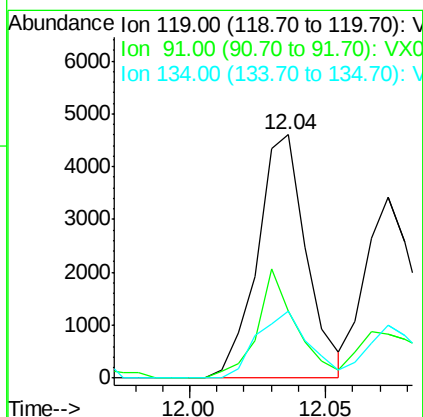
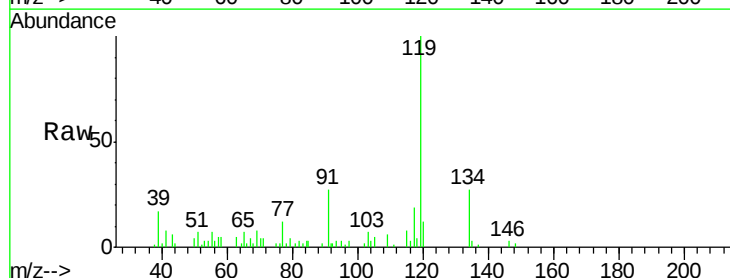
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

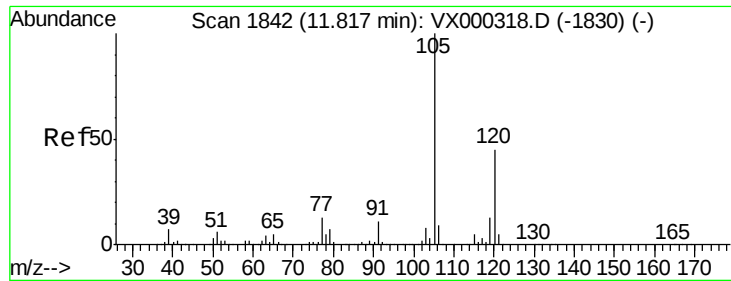
Tgt Ion: 91 Resp: 9178  
Ion Ratio Lower Upper  
91 100  
126 0.7 15.4 46.1#



#83  
tert-Butylbenzene  
Concen: 1.42 ug/l  
RT: 12.04 min Scan# 1878  
Delta R.T. 0.26 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 119 Resp: 5773  
Ion Ratio Lower Upper  
119 100  
91 35.4 28.8 86.4  
134 28.8 11.4 34.1

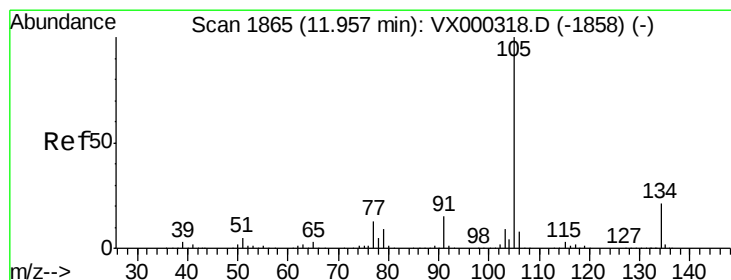
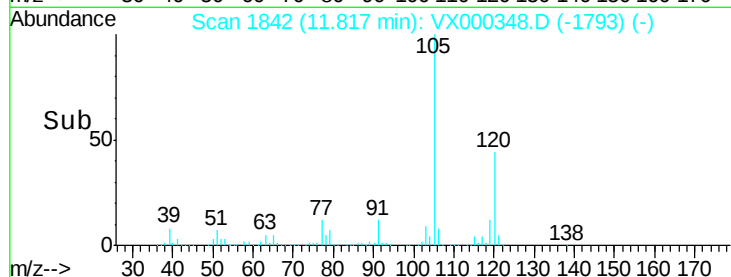
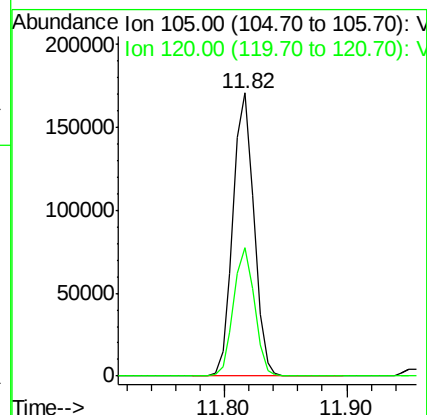
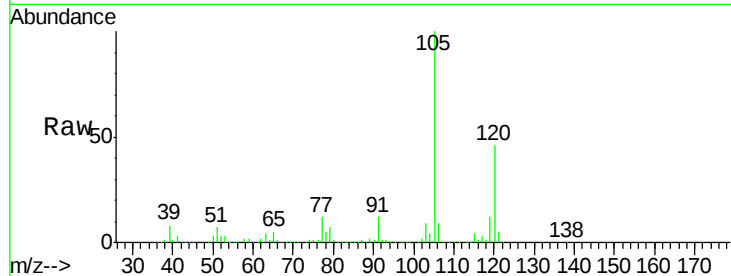




#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.98 ug/l  
 RT: 11.82 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX000348.D  
 Acq: 16 Mar 2018 15:04

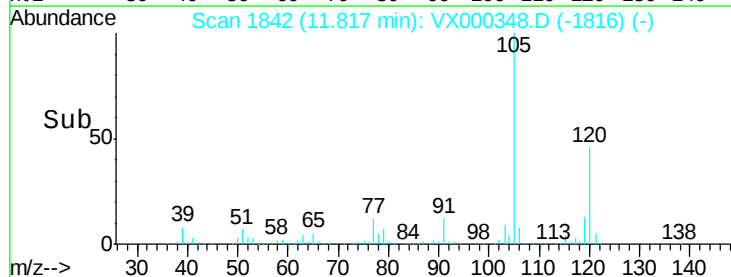
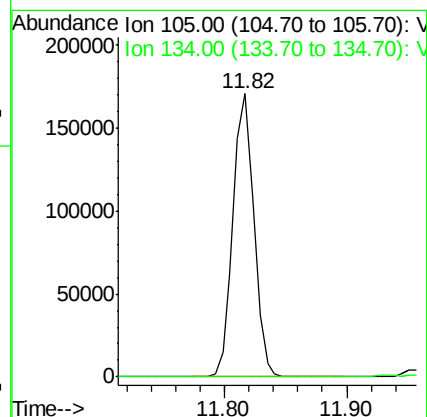
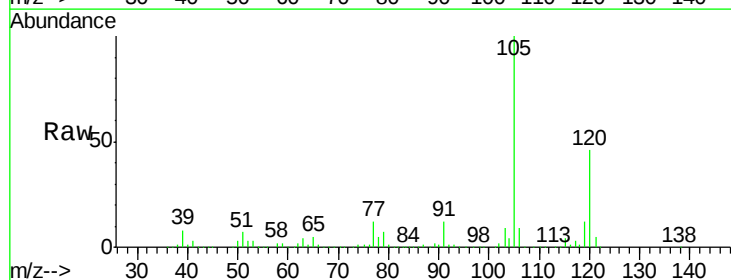
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-04-12-13

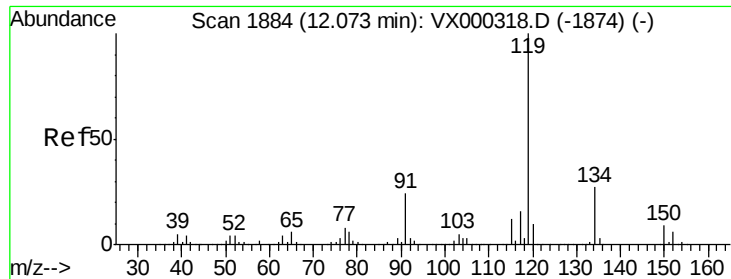
Tgt Ion:105 Resp: 201636  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 22.4 67.3



#85  
 sec-Butylbenzene  
 Concen: 39.55 ug/l  
 RT: 11.82 min Scan# 1842  
 Delta R.T. -0.14 min  
 Lab File: VX000348.D  
 Acq: 16 Mar 2018 15:04

Tgt Ion:105 Resp: 201636  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.3 30.8#

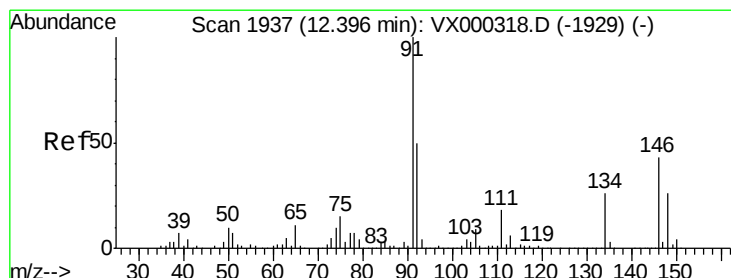
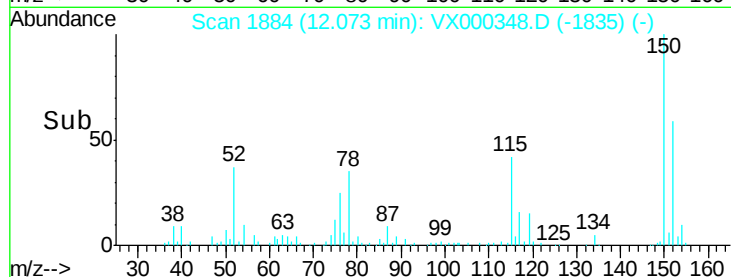
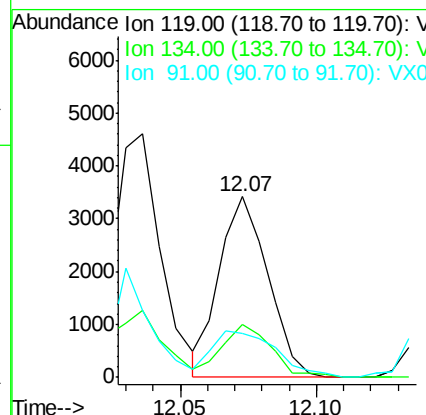
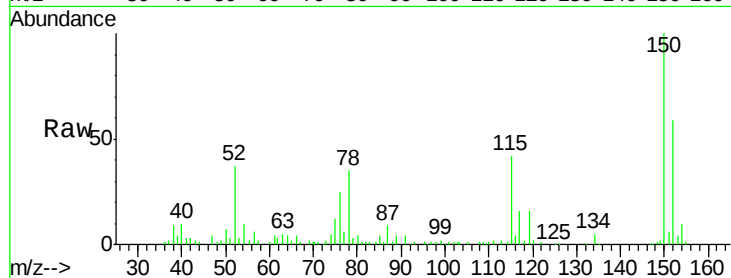




#86  
 p-Isopropyltoluene  
 Concen: 0.93 ug/l  
 RT: 12.07 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VX000348.D  
 Acq: 16 Mar 2018 15:04

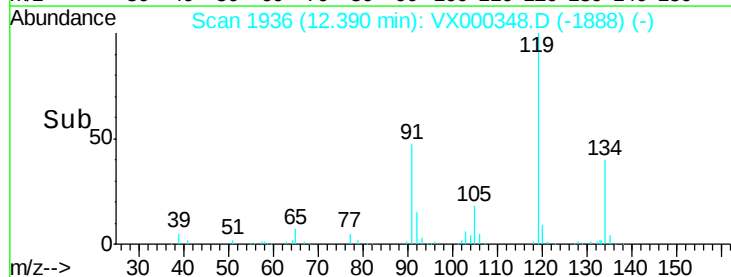
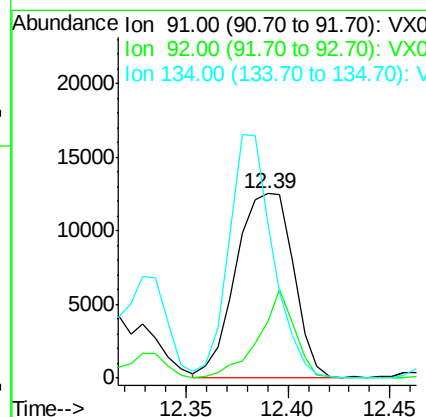
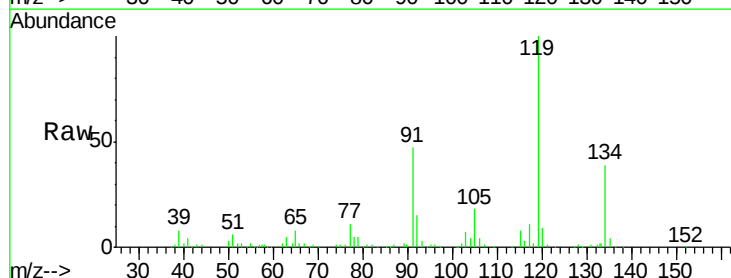
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-04-12-13

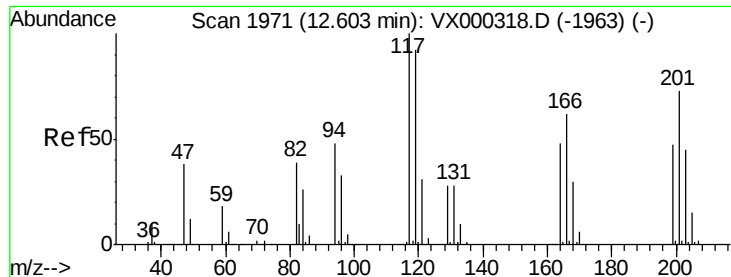
Tgt Ion: 119 Resp: 4242  
 Ion Ratio Lower Upper  
 119 100  
 134 30.1 13.3 39.9  
 91 34.3 12.0 36.1



#89  
 n-Butylbenzene  
 Concen: 5.57 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.01 min  
 Lab File: VX000348.D  
 Acq: 16 Mar 2018 15:04

Tgt Ion: 91 Resp: 24591  
 Ion Ratio Lower Upper  
 91 100  
 92 30.2 25.9 77.8  
 134 100.3 13.1 39.3#

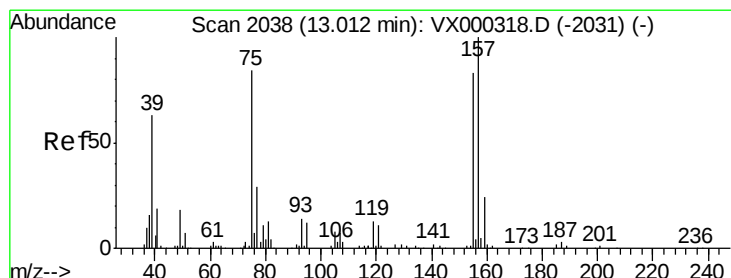
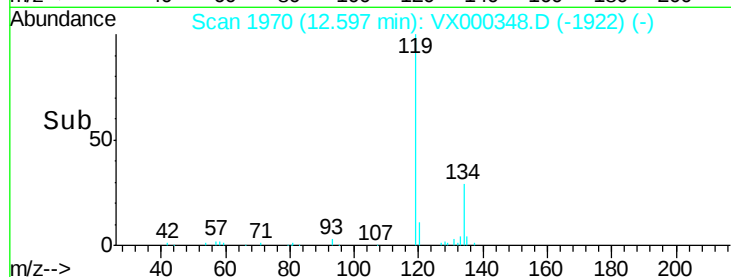
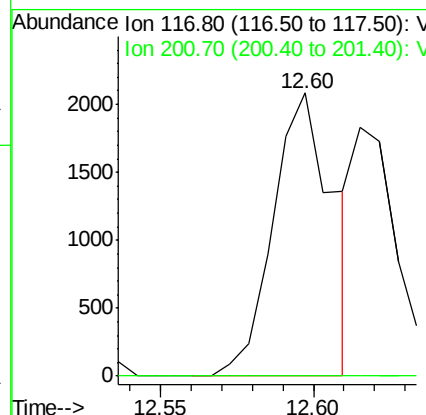
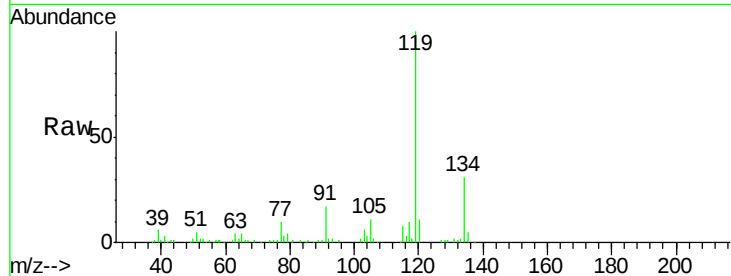




#90  
Hexachloroethane  
Concen: 3.92 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

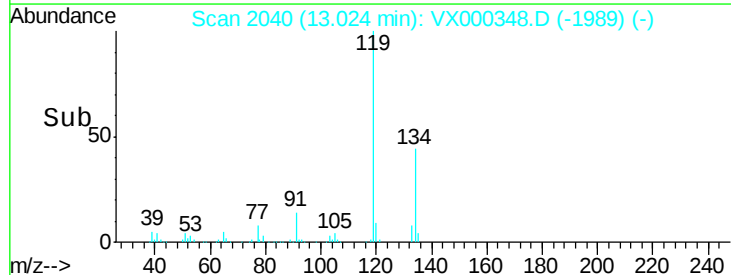
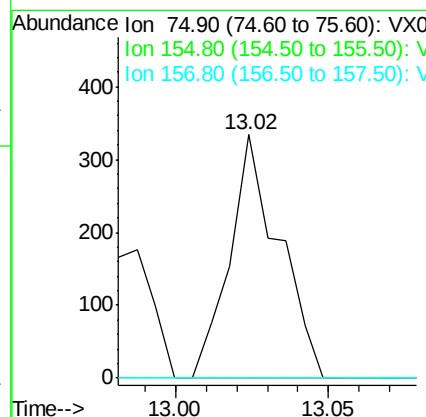
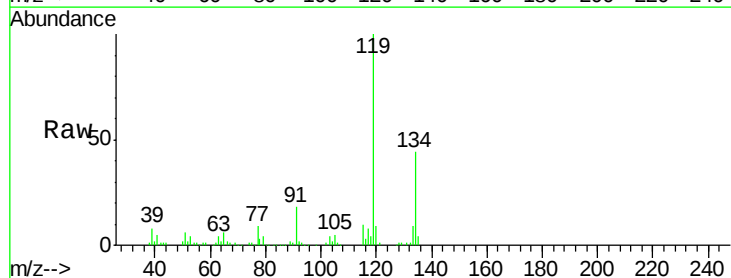
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

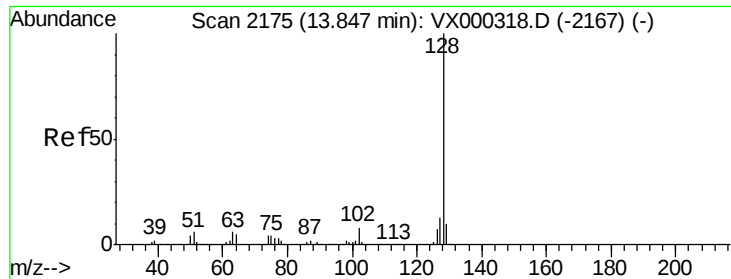
Tgt Ion: 117 Resp: 2851  
Ion Ratio Lower Upper  
117 100  
201 0.0 37.9 113.6#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.79 ug/l  
RT: 13.02 min Scan# 2040  
Delta R.T. 0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Tgt Ion: 75 Resp: 373  
Ion Ratio Lower Upper  
75 100  
155 0.0 45.0 134.8#  
157 0.0 58.1 174.2#

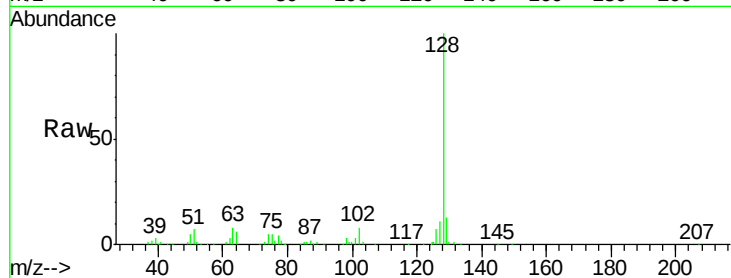




#95  
Naphthalene  
Concen: 6.88 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. -0.01 min  
Lab File: VX000348.D  
Acq: 16 Mar 2018 15:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-04-12-13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 12.7  | 8.9   | 13.3  |



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

