

Data Path : W:\HPCHEM1\MSVOA\_H\DATA\VH092215\  
 Data File : VH057117.D  
 Acq On : 22 Sep 2015 21:33  
 Operator : SY/FY  
 Sample : G3767-08ME  
 Misc : 5.02g/10mL//100uL/5mL/MSVOA\_H/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_H  
 ClientSampleId :  
 ERD45-CS9-7ME

Quant Time: Sep 23 04:40:31 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_H\METHODS\82H091715W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 18 15:34:01 2015  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.83  | 168  | 1349713  | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.56  | 114  | 2337927  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 9.71  | 117  | 1875788  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.48 | 152  | 566003   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 4.80  | 65       | 363473   | 15.08 | ug/l    | -0.01    |
| Spiked Amount               | 50.000 | Range | 66 - 150 | Recovery | =     | 30.16%# |          |
| 35) Dibromofluoromethane    |        | 4.08  | 113      | 324782   | 17.45 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 76 - 130 | Recovery | =     | 34.90%# |          |
| 48) Toluene-d8              |        | 7.50  | 98       | 897745   | 16.77 | ug/l    | -0.02    |
| Spiked Amount               | 50.000 | Range | 78 - 121 | Recovery | =     | 33.54%# |          |
| 62) 4-Bromofluorobenzene    |        | 11.35 | 95       | 304989   | 16.90 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 131 | Recovery | =     | 33.80%# |          |

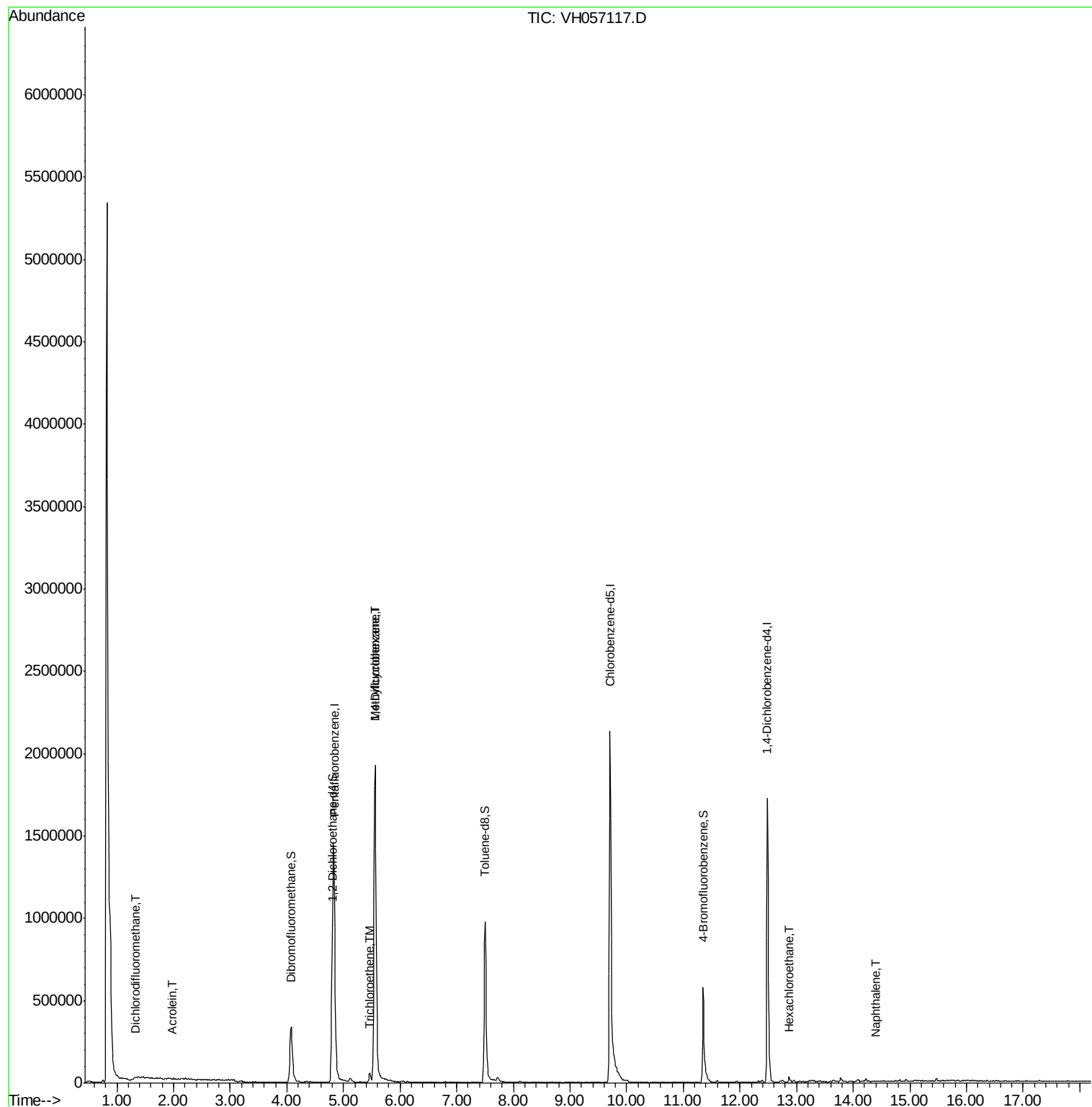
| Target Compounds           | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|----------------------------|-------|------|----------|-----------|-------|--------|
| 2) Dichlorodifluoromethane | 1.33  | 85   | 255      | 0.69      | ug/l  | # 43   |
| 5) Bromomethane            | 1.24  | 94   | 3204     | Below Cal |       | # 1    |
| 6) Chloroethane            | 1.37  | 64   | 723      | Below Cal |       | # 1    |
| 13) Acrolein               | 1.98  | 56   | 755      | 0.29      | ug/l  | # 16   |
| 17) Acetone                | 2.15  | 43   | 582      | Below Cal |       | 92     |
| 43) Trichloroethene        | 5.47  | 130  | 29782    | 1.92      | ug/l  | # 74   |
| 44) Methylcyclohexane      | 5.56  | 83   | 19601    | 1.32      | ug/l  | 34     |
| 90) Hexachloroethane       | 12.86 | 117  | 2913     | 0.53      | ug/l  | # 29   |
| 95) Naphthalene            | 14.39 | 128  | 860      | 4.91      | ug/l  | # 70   |

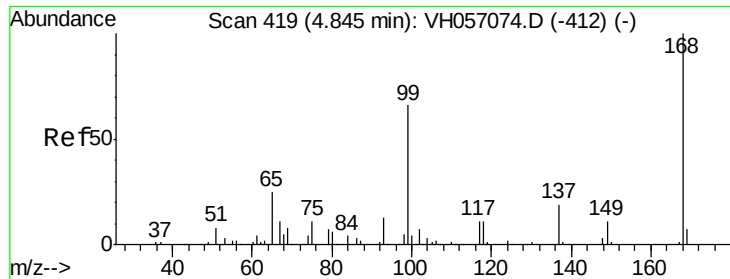
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Sep 18 15:34:01 2015  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 419

Delta R.T. -0.01 min

Lab File: VH057117.D

Acq: 22 Sep 2015 21:33

Instrument :

MSVOA\_H

ClientSampleId :

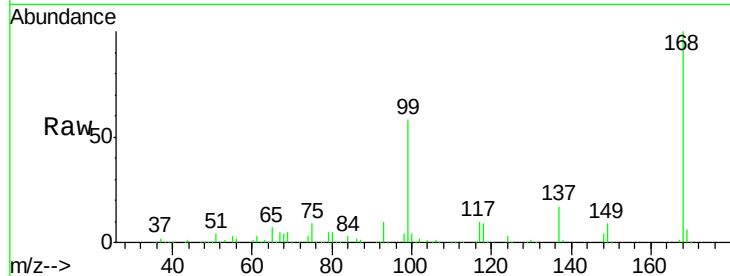
ERD45-CS9-7ME

Tgt Ion:168 Resp: 1349713

Ion Ratio Lower Upper

168 100

99 58.2 55.8 83.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VH0

4.83

400000

300000

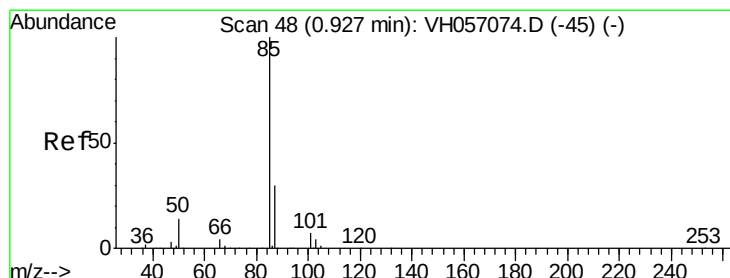
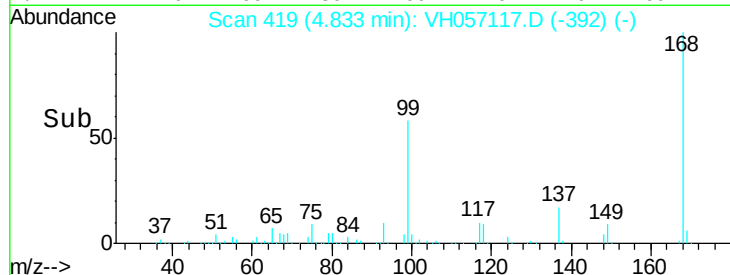
200000

100000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 0.69 ug/l

RT: 1.33 min Scan# 86

Delta R.T. 0.40 min

Lab File: VH057117.D

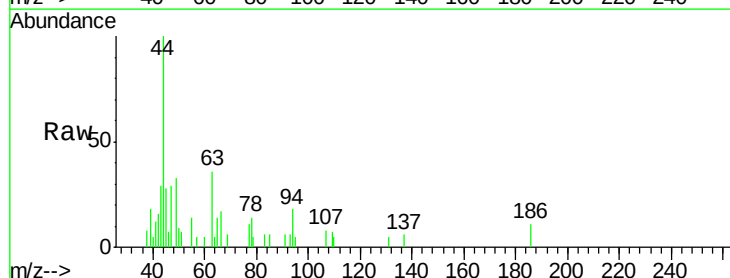
Acq: 22 Sep 2015 21:33

Tgt Ion: 85 Resp: 255

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 85.00 (84.70 to 85.70): VH0

Ion 87.00 (86.70 to 87.70): VH0

1.33

400

300

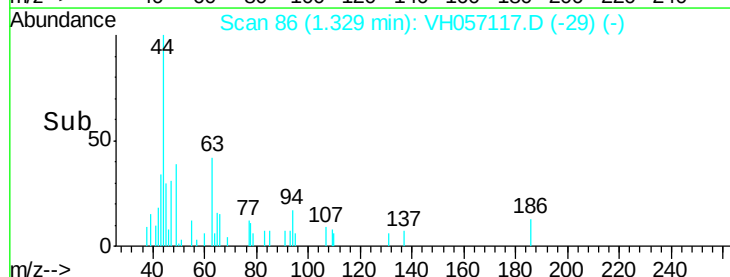
200

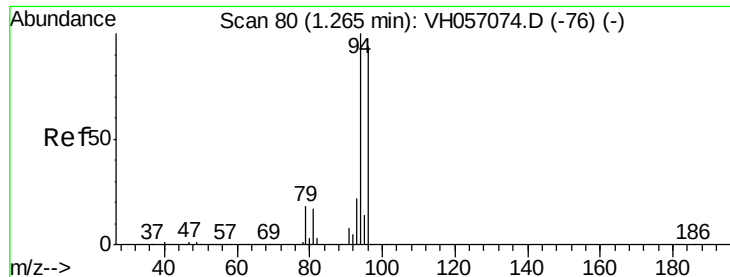
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.24 min Scan# 78

Delta R.T. -0.02 min

Lab File: VH057117.D

Acq: 22 Sep 2015 21:33

Instrument :

MSVOA\_H

ClientSampleId :

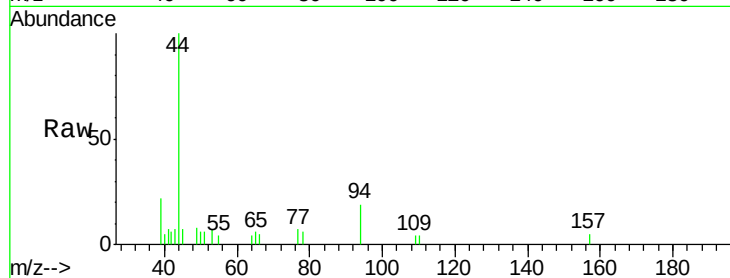
ERD45-CS9-7ME

Tgt Ion: 94 Resp: 3204

Ion Ratio Lower Upper

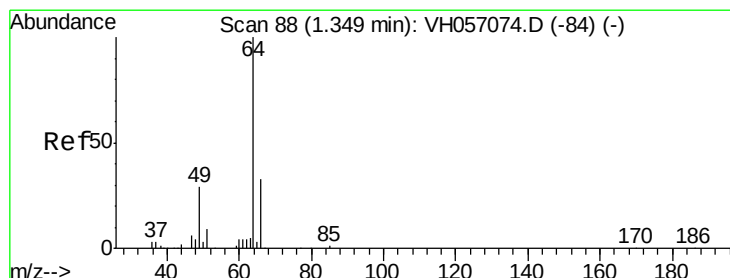
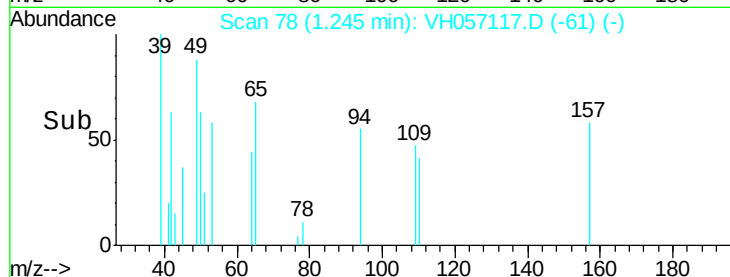
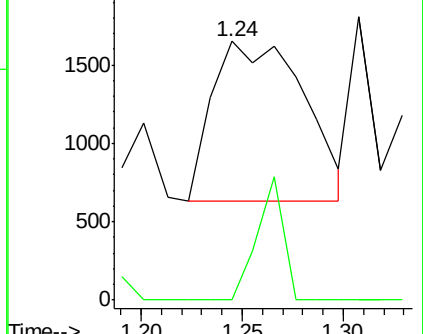
94 100

96 0.0 78.5 117.7#



Abundance Ion 94.00 (93.70 to 94.70): VH0

Ion 96.00 (95.70 to 96.70): VH0



#6

Chloroethane

Concen: Below Cal

RT: 1.37 min Scan# 90

Delta R.T. 0.02 min

Lab File: VH057117.D

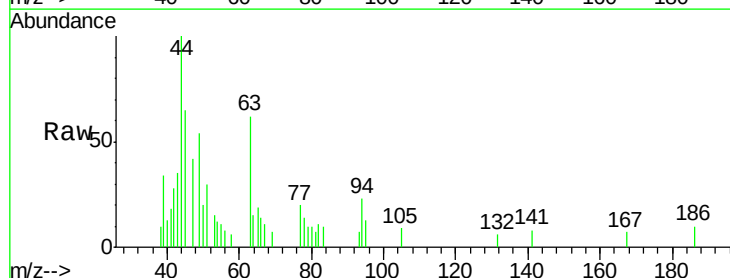
Acq: 22 Sep 2015 21:33

Tgt Ion: 64 Resp: 723

Ion Ratio Lower Upper

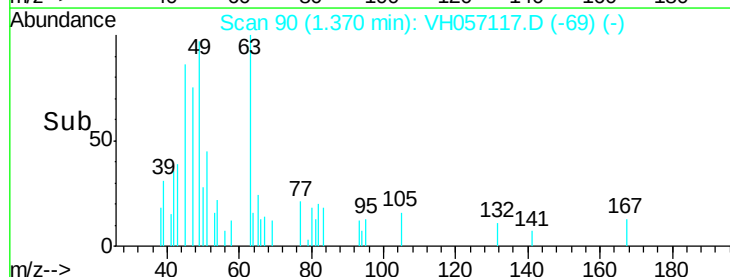
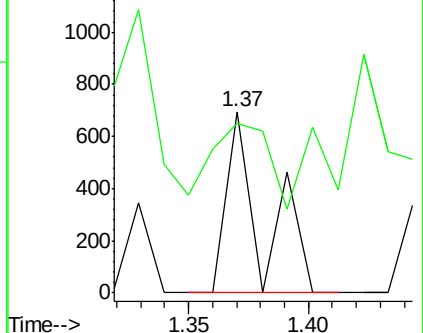
64 100

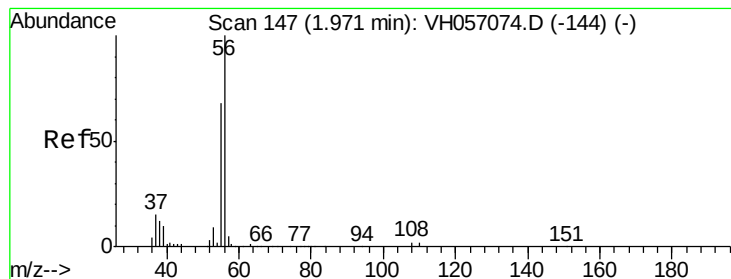
66 93.4 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VH0

Ion 66.00 (65.70 to 66.70): VH0





#13

Acrolein

Concen: 0.29 ug/l

RT: 1.98 min Scan# 148

Delta R.T. 0.01 min

Lab File: VH057117.D

Acq: 22 Sep 2015 21:33

Instrument :

MSVOA\_H

ClientSampleId :

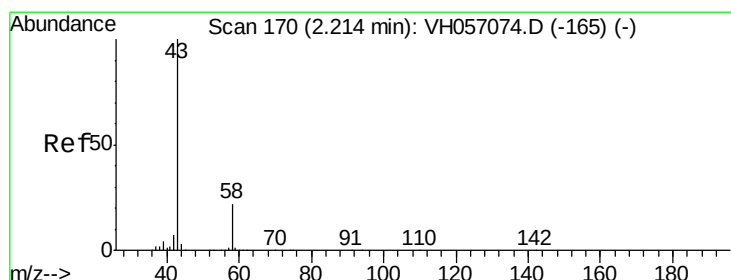
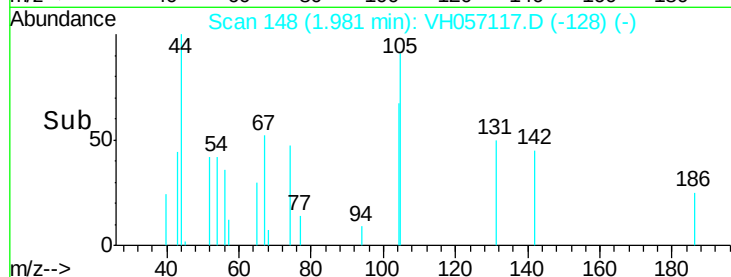
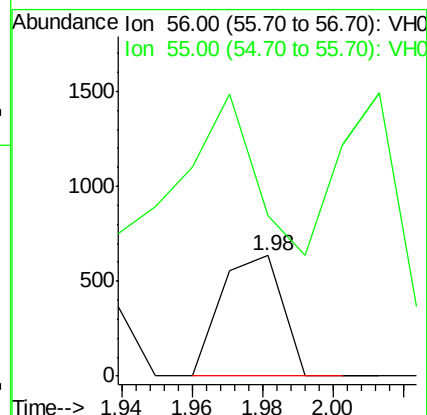
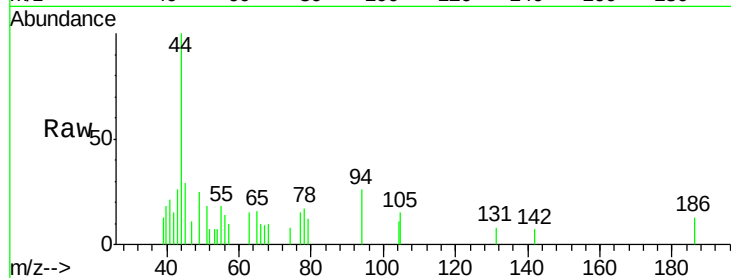
ERD45-CS9-7ME

Tgt Ion: 56 Resp: 755

Ion Ratio Lower Upper

56 100

55 133.1 52.9 79.3#



#17

Acetone

Concen: Below Cal

RT: 2.15 min Scan# 164

Delta R.T. -0.06 min

Lab File: VH057117.D

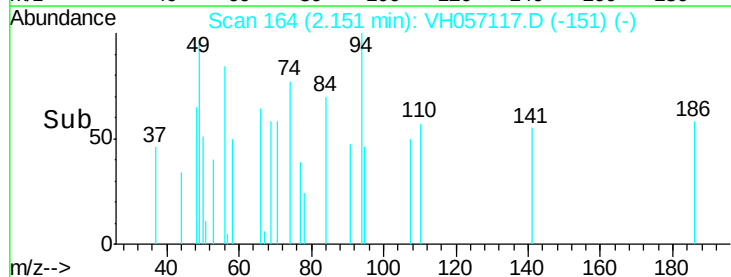
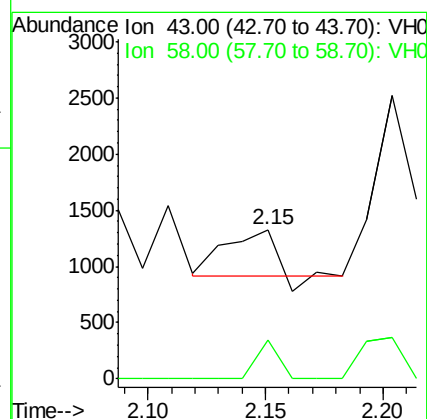
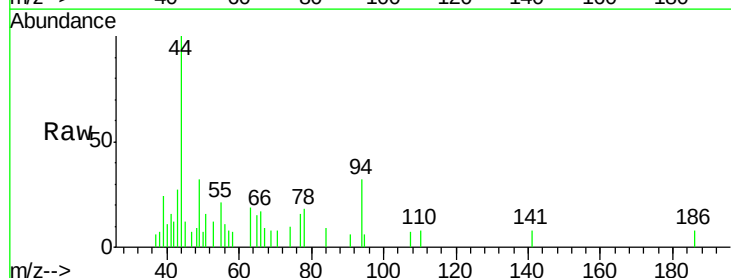
Acq: 22 Sep 2015 21:33

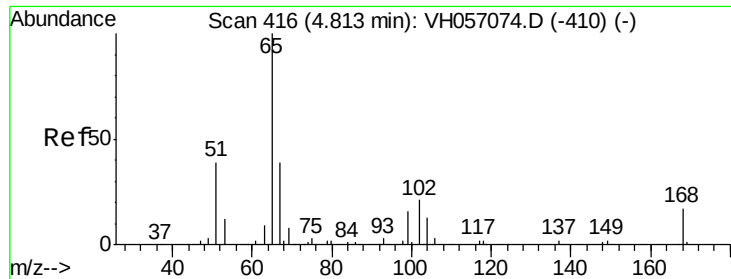
Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

58 25.8 17.7 26.5

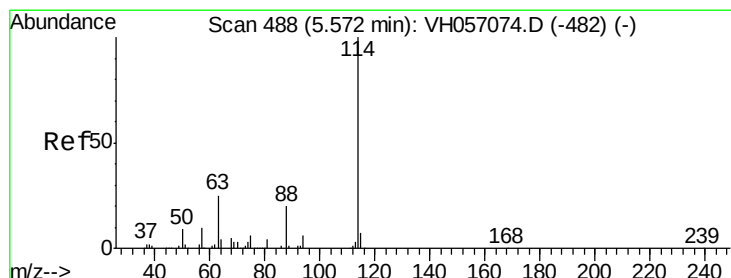
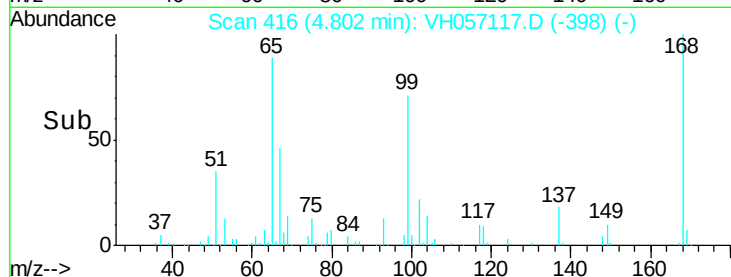
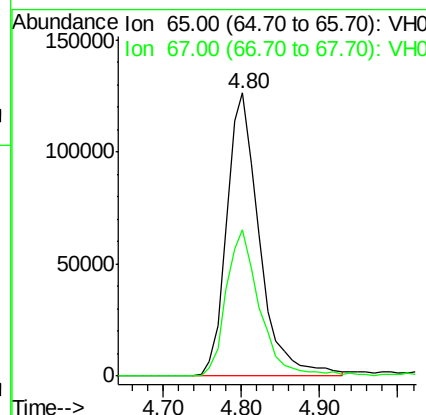
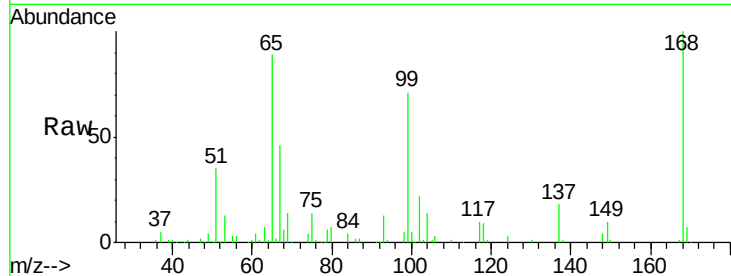




#33  
 1,2-Dichloroethane-d4  
 Concen: 15.08 ug/l  
 RT: 4.80 min Scan# 416  
 Delta R.T. -0.01 min  
 Lab File: VH057117.D  
 Acq: 22 Sep 2015 21:33

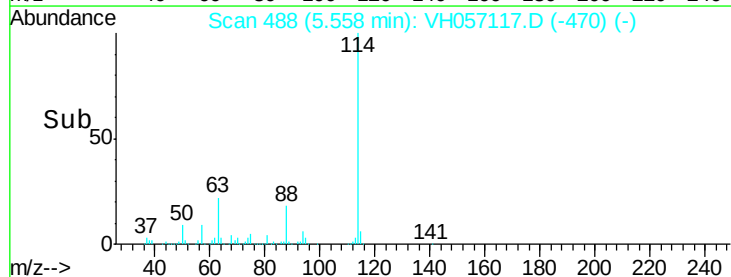
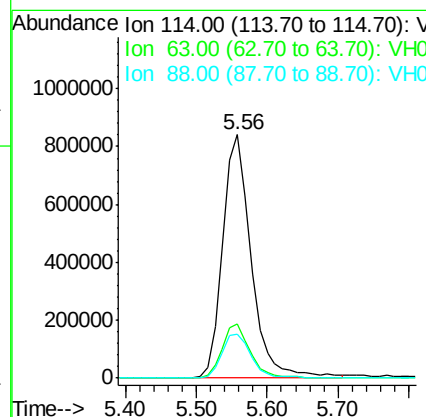
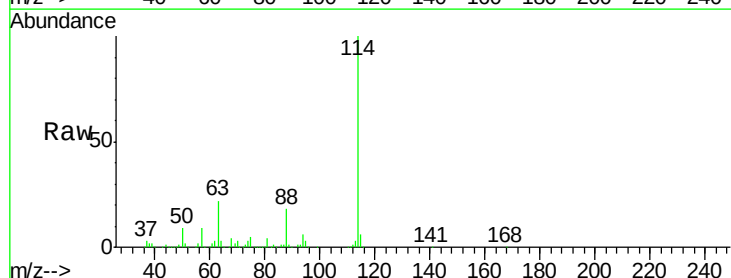
Instrument :  
 MSVOA\_H  
 ClientSampleId :  
 ERD45-CS9-7ME

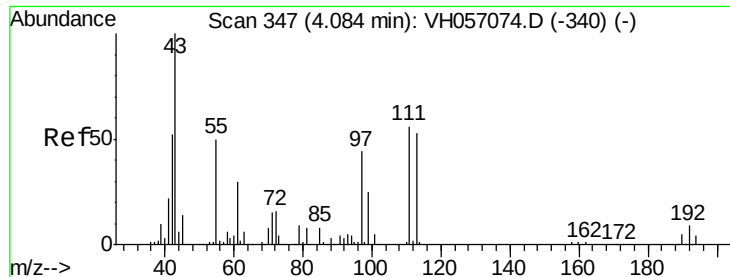
Tgt Ion: 65 Resp: 363473  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 43.2 64.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.56 min Scan# 488  
 Delta R.T. -0.01 min  
 Lab File: VH057117.D  
 Acq: 22 Sep 2015 21:33

Tgt Ion: 114 Resp: 2337927  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 19.0 28.4  
 88 17.9 15.7 23.5

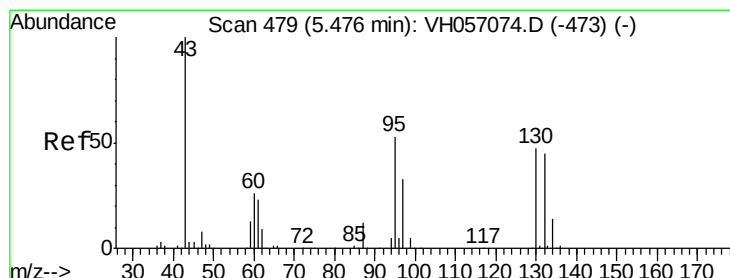
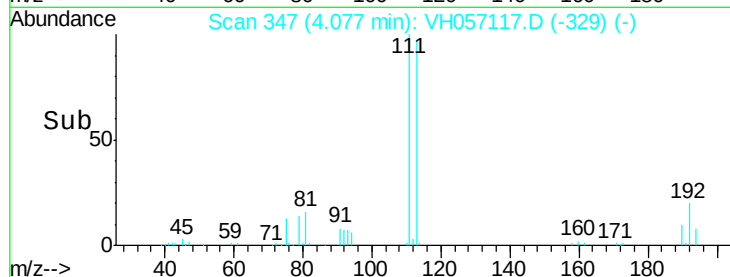
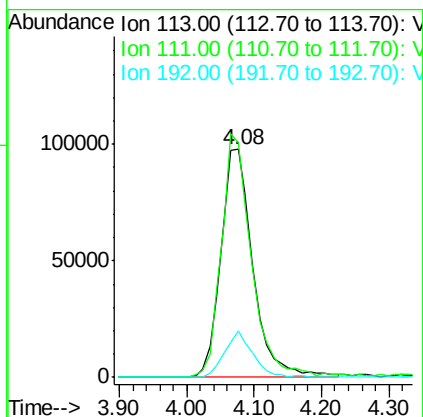
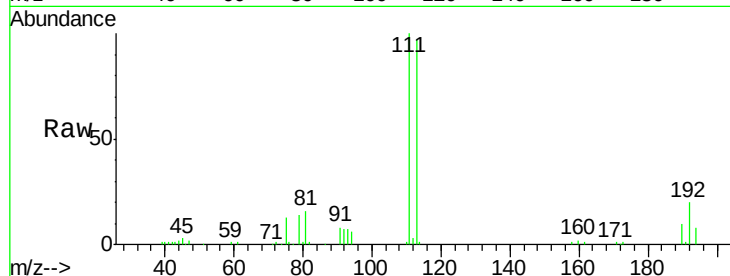




#35  
Dibromofluoromethane  
Concen: 17.45 ug/l  
RT: 4.08 min Scan# 347  
Delta R.T. -0.01 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

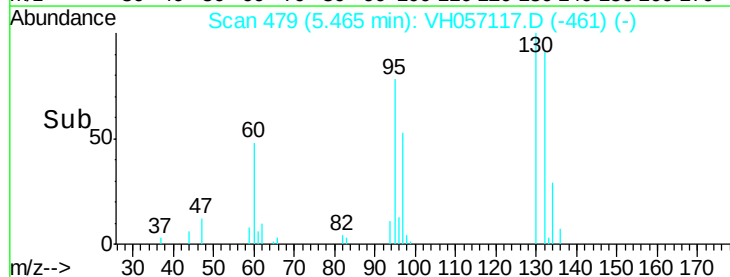
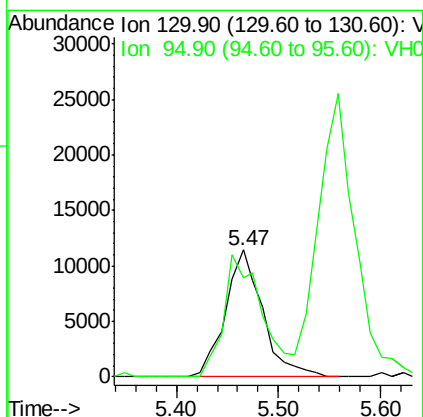
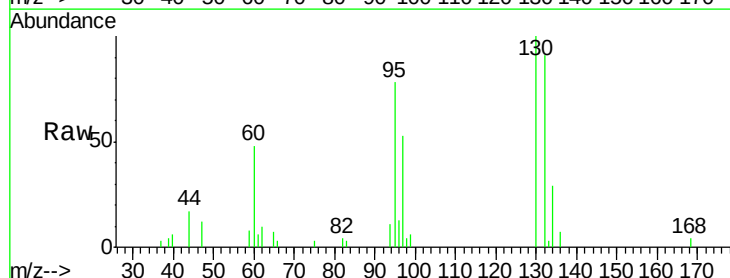
Instrument :  
MSVOA\_H  
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ERD45-CS9-7ME

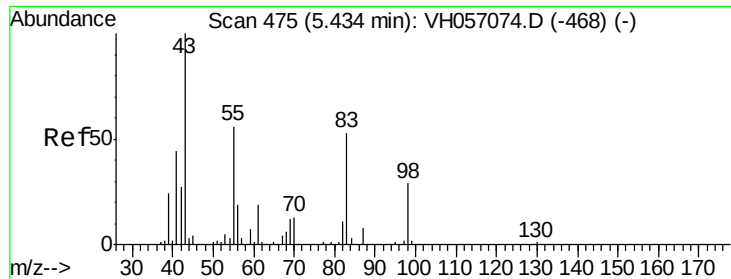
Tgt Ion:113 Resp: 324782  
Ion Ratio Lower Upper  
113 100  
111 102.8 84.0 126.0  
192 20.3 13.6 20.4



#43  
Trichloroethene  
Concen: 1.92 ug/l  
RT: 5.47 min Scan# 479  
Delta R.T. -0.01 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

Tgt Ion:130 Resp: 29782  
Ion Ratio Lower Upper  
130 100  
95 78.3 84.0 126.0#

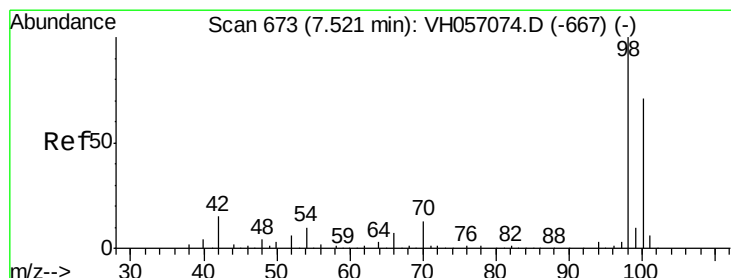
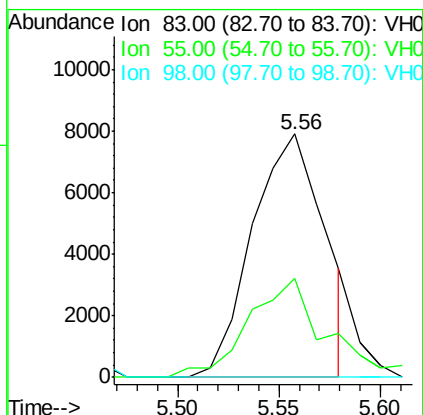
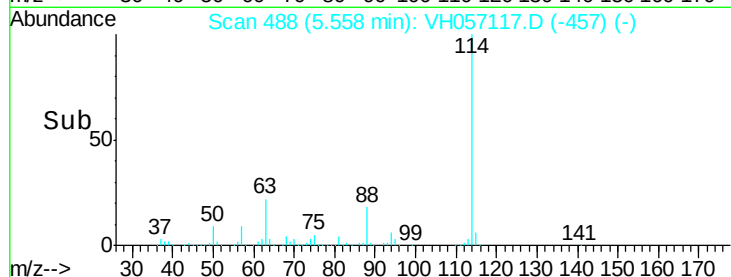
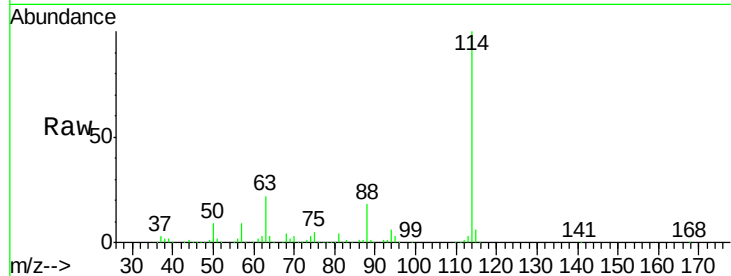




#44  
Methylcyclohexane  
Concen: 1.32 ug/l  
RT: 5.56 min Scan# 488  
Delta R.T. 0.12 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

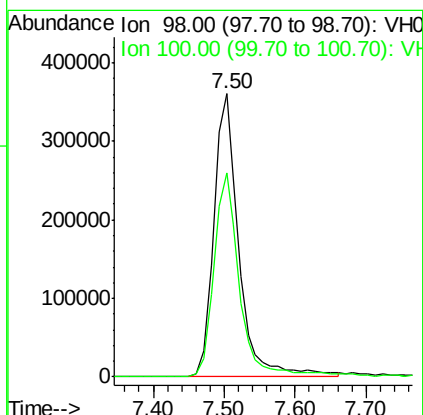
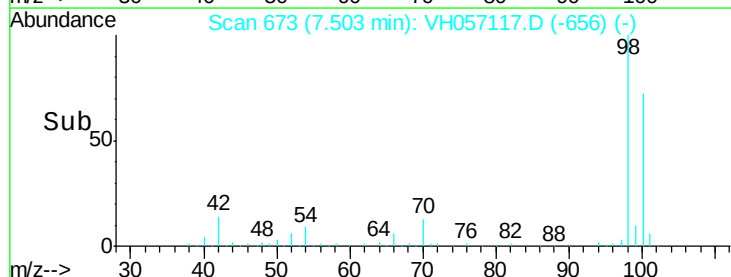
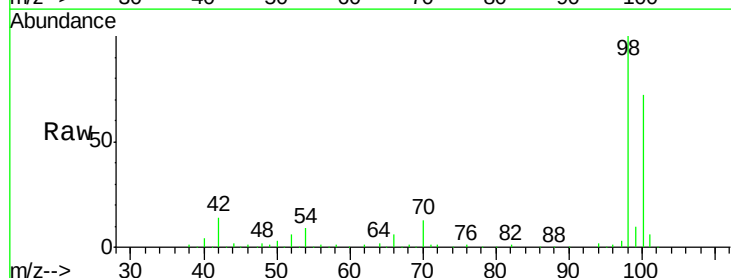
Instrument :  
MSVOA\_H  
ClientSampleId :  
ERD45-CS9-7ME

Tgt Ion: 83 Resp: 19601  
Ion Ratio Lower Upper  
83 100  
55 40.8 0.0 207.2  
98 0.0 0.0 108.4

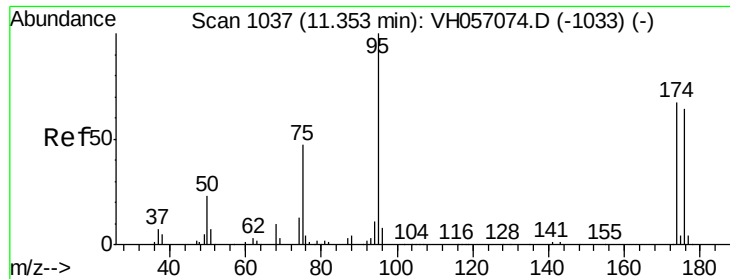


#48  
Toluene-d8  
Concen: 16.77 ug/l  
RT: 7.50 min Scan# 673  
Delta R.T. -0.02 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

Tgt Ion: 98 Resp: 897745  
Ion Ratio Lower Upper  
98 100  
100 71.9 56.7 85.1



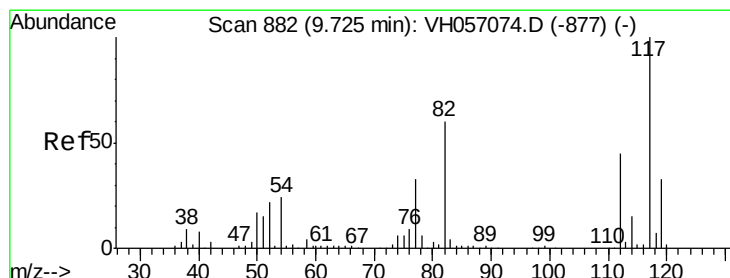
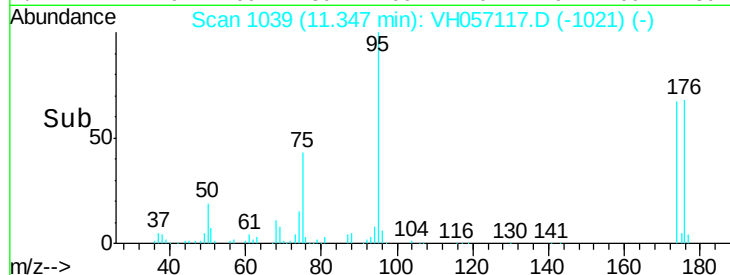
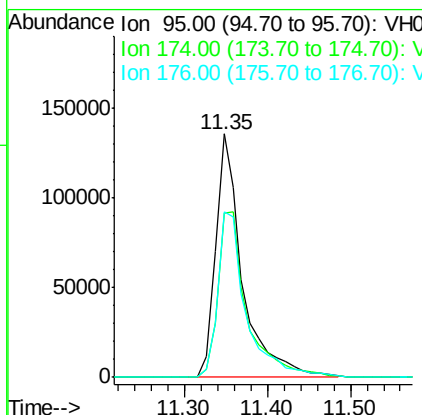
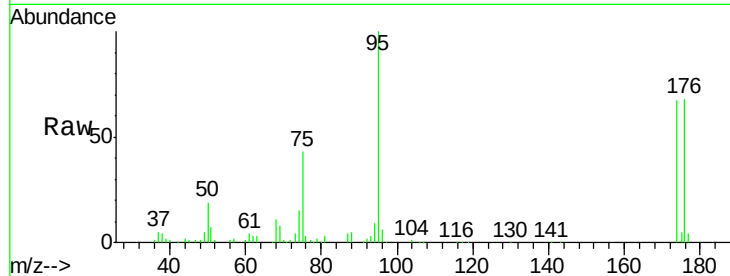




#62  
4-Bromofluorobenzene  
Concen: 16.90 ug/l  
RT: 11.35 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

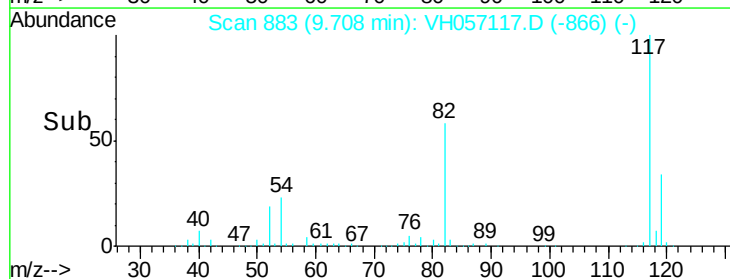
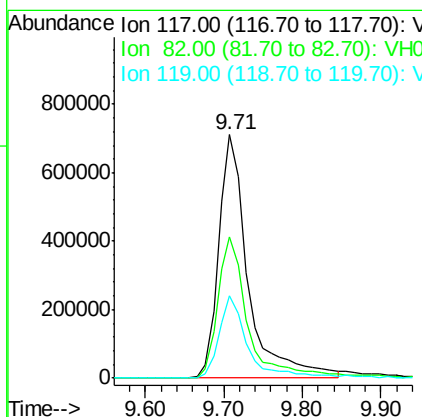
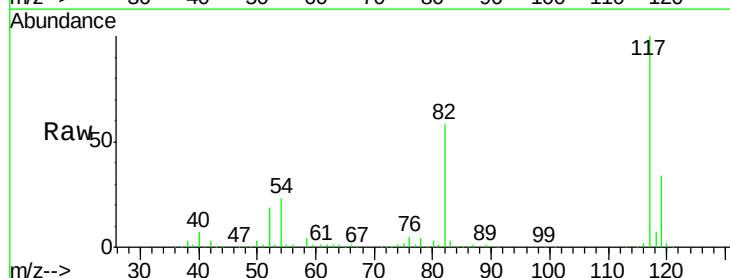
Instrument :  
MSVOA\_H  
ClientSampleId :  
ERD45-CS9-7ME

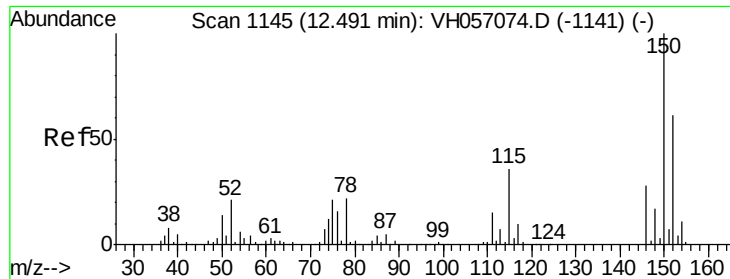
Tgt Ion: 95 Resp: 304989  
Ion Ratio Lower Upper  
95 100  
174 67.3 58.4 87.6  
176 68.1 54.3 81.5



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.71 min Scan# 883  
Delta R.T. -0.02 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

Tgt Ion: 117 Resp: 1875788  
Ion Ratio Lower Upper  
117 100  
82 58.2 51.0 76.6  
119 33.9 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VH057117.D

Acq: 22 Sep 2015 21:33

Instrument :

MSVOA\_H

ClientSampleId :

ERD45-CS9-7ME

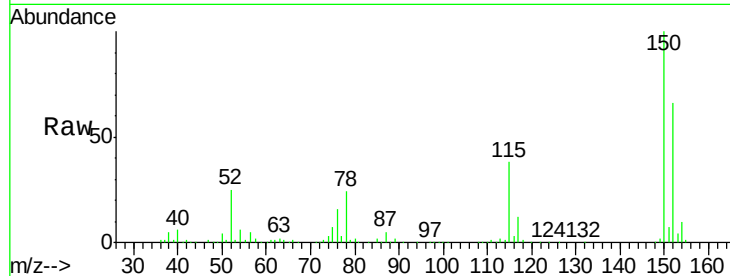
Tgt Ion:152 Resp: 566003

Ion Ratio Lower Upper

152 100

115 58.3 28.2 84.6

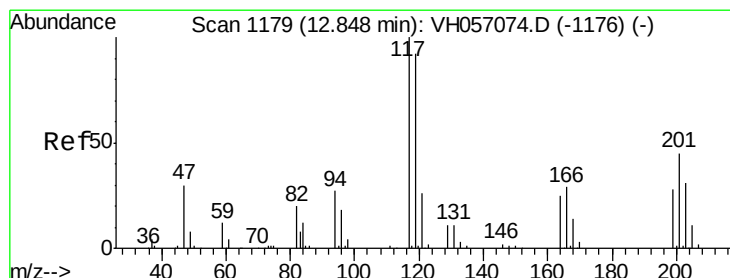
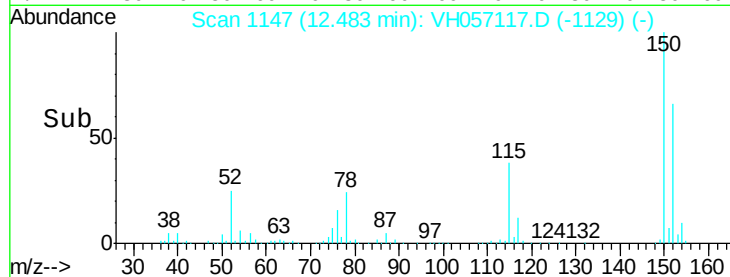
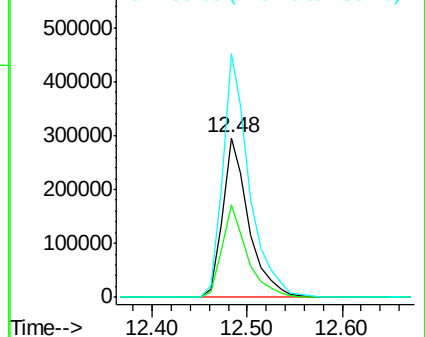
150 152.6 0.0 332.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#90

Hexachloroethane

Concen: 0.53 ug/l

RT: 12.86 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VH057117.D

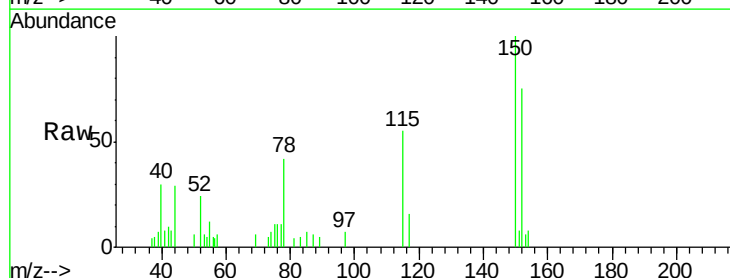
Acq: 22 Sep 2015 21:33

Tgt Ion:117 Resp: 2913

Ion Ratio Lower Upper

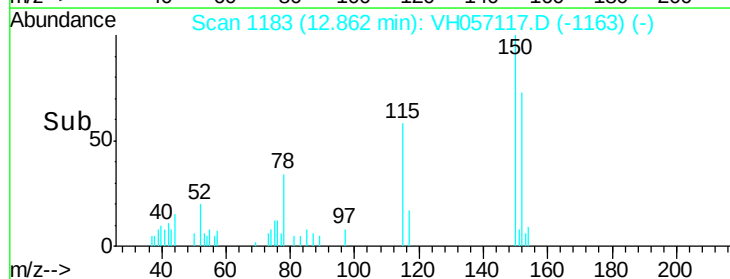
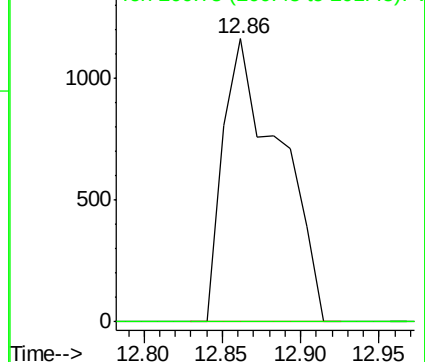
117 100

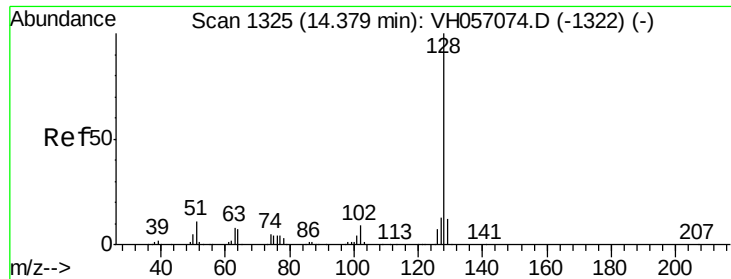
201 0.0 14.0 80.8#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

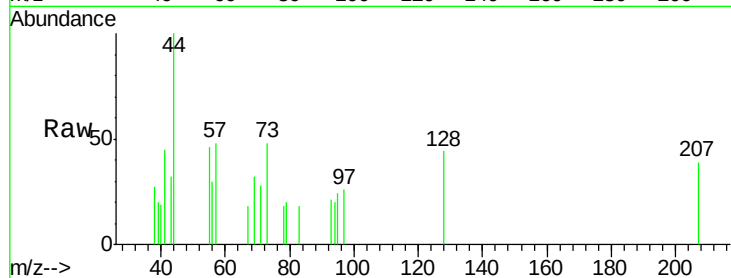




#95  
Naphthalene  
Concen: 4.91 ug/l  
RT: 14.39 min Scan# 1329  
Delta R.T. 0.01 min  
Lab File: VH057117.D  
Acq: 22 Sep 2015 21:33

Instrument :  
MSVOA\_H  
ClientSampleId :  
ERD45-CS9-7ME

Tgt Ion:128 Resp: 860  
Ion Ratio Lower Upper  
128 100  
127 0.0 9.6 14.4#  
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

