

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\  
 Data File : VD062506.D  
 Acq On : 22 May 2019 16:48  
 Operator : VA/AP  
 Sample : K2996-05  
 Misc : 5.42g/5ml/MSVOA D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

Quant Time: May 23 03:14:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 03:32:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.11  | 168  | 64809    | 50.00 | ug/l  | 0.05     |
| 34) 1,4-Difluorobenzene    | 8.30  | 114  | 70410    | 50.00 | ug/l  | 0.06     |
| 63) Chlorobenzene-d5       | 12.48 | 117  | 149475   | 50.00 | ug/l  | 0.10     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 4454     | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |        |         |      |
|-----------------------------|--------|-----|----------|--------|---------|------|
| System Monitoring Compounds |        |     |          |        |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.66   | 65  | 12127    | 17.48  | ug/l    | 0.19 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 34.96%  |      |
| 35) Dibromofluoromethane    | 6.95   | 113 | 55075    | 86.71  | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 173.42% |      |
| 50) Toluene-d8              | 10.50  | 98  | 80056    | 57.59  | ug/l    | 0.07 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 115.18% |      |
| 62) 4-Bromofluorobenzene    | 13.64  | 95  | 112441   | 184.92 | ug/l    | 0.07 |
| Spiked Amount               | 50.000 |     | Recovery | =      | 369.84% |      |

| Target Compounds              |       |     |          |            | Qvalue |     |
|-------------------------------|-------|-----|----------|------------|--------|-----|
| 3) Chloromethane              | 1.82  | 50  | 190764   | 424.897    | ug/l # | 69  |
| 6) Chloroethane               | 2.32  | 64  | 4455     | 19.493     | ug/l # | 1   |
| 11) Tert butyl alcohol        | 4.09  | 59  | 2978     | 92.999     | ug/l # | 1   |
| 13) Acrolein                  | 2.95  | 56  | 940894   | 35381.942  | ug/l # | 1   |
| 15) Acrylonitrile             | 4.21  | 53  | 67069    | 914.043    | ug/l # | 44  |
| 16) Acetone                   | 3.19  | 43  | 7415261  | 59648.165  | ug/l # | 58  |
| 17) Carbon Disulfide          | 3.35  | 76  | 15557    | 10.703     | ug/l   | 100 |
| 19) Methyl tert-butyl Ether   | 4.20  | 73  | 2228     | 2.010      | ug/l # | 1   |
| 20) Methylene Chloride        | 3.76  | 84  | 193972   | 410.833    | ug/l # | 28  |
| 24) 1,1-Dichloroethane        | 5.18  | 63  | 430814   | 444.077    | ug/l # | 85  |
| 28) Bromochloromethane        | 6.51  | 49  | 3234     | 9.288      | ug/l # | 1   |
| 29) Tetrahydrofuran           | 6.71  | 42  | 648824   | 10448.469  | ug/l # | 1   |
| 30) Chloroform                | 6.71  | 83  | 4365882  | 3529.967   | ug/l # | 32  |
| 36) 1,1-Dichloropropene       | 7.22  | 75  | 5838     | 8.672      | ug/l # | 1   |
| 38) Carbon Tetrachloride      | 7.16  | 117 | 2674     | 2.673      | ug/l # | 12  |
| 39) Methylcyclohexane         | 8.84  | 83  | 6344529  | 11426.866  | ug/l # | 1   |
| 40) Benzene                   | 7.58  | 78  | 13577490 | 10282.640  | ug/l   | 96  |
| 41) Methacrylonitrile         | 6.50  | 41  | 183768   | 559.515    | ug/l # | 68  |
| 42) 1,2-Dichloroethane        | 7.58  | 62  | 102222   | 146.196    | ug/l # | 1   |
| 43) Isopropyl Acetate         | 9.28  | 43  | 62677100 | 180663.964 | ug/l # | 43  |
| 45) 1,2-Dichloropropane       | 9.07  | 63  | 92322    | 286.906    | ug/l # | 1   |
| 46) Dibromomethane            | 9.24  | 93  | 207567   | 711.609    | ug/l # | 1   |
| 47) Bromodichloromethane      | 9.59  | 83  | 3703454  | 4991.002   | ug/l # | 43  |
| 48) Methyl methacrylate       | 9.17  | 41  | 6098148  | 26120.312  | ug/l # | 61  |
| 49) 1,4-Dioxane               | 9.15  | 88  | 178      | 85.001     | ug/l # | 1   |
| 53) t-1,3-Dichloropropene     | 11.02 | 75  | 4071     | 6.590      | ug/l # | 1   |
| 54) cis-1,3-Dichloropropene   | 10.24 | 75  | 993      | 1.540      | ug/l # | 1   |
| 55) 1,1,2-Trichloroethane     | 11.24 | 97  | 2856612  | 9324.254   | ug/l # | 30  |
| 56) Ethyl methacrylate        | 11.15 | 69  | 12418289 | 37917.110  | ug/l # | 49  |
| 58) 2-Chloroethyl Vinyl ether | 9.94  | 63  | 226022   | 1343.976   | ug/l # | 46  |
| 59) 2-Hexanone                | 11.65 | 43  | 4563021  | 27394.273  | ug/l # | 32  |
| 60) Dibromochloromethane      | 11.81 | 129 | 24486    | 41.612     | ug/l # | 1   |
| 61) 1,2-Dibromoethane         | 11.97 | 107 | 71021    | 188.108    | ug/l # | 1   |
| 65) Chlorobenzene             | 12.30 | 112 | 144784   | 50.369     | ug/l # | 59  |

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 Acq On : 22 May 2019 16:48  
 Operator : VA/AP  
 Sample : K2996-05  
 Misc : 5.42g/5ml/MSVOA D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

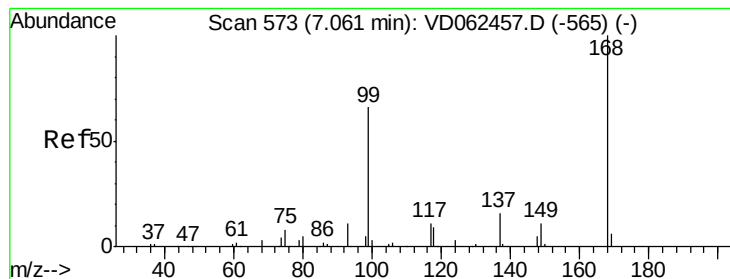
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

Quant Time: May 23 03:14:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 21 03:32:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| -----                          |       |      |          |           |        |          |
| 67) Ethyl Benzene              | 12.63 | 91   | 40952875 | 8271.489  | ug/l # | 84       |
| 68) m/p-Xylenes                | 12.63 | 106  | 14369950 | 8085.513  | ug/l # | 69       |
| 69) o-Xylene                   | 13.16 | 106  | 15833490 | 9442.231  | ug/l   | 58       |
| 70) Styrene                    | 13.11 | 104  | 118055   | 41.384    | ug/l # | 1        |
| 73) Isopropylbenzene           | 13.44 | 105  | 10410868 | 37082.017 | ug/l   | 95       |
| 74) N-amyl acetate             | 13.26 | 43   | 899210   | 12967.924 | ug/l # | 46       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 84999    | 1678.169  | ug/l # | 85       |
| 76) 1,2,3-Trichloropropane     | 13.80 | 75   | 93030    | 1773.253  | ug/l # | 1        |
| 77) Bromobenzene               | 13.60 | 156  | 1000     | 12.556    | ug/l # | 1        |
| 78) n-propylbenzene            | 13.80 | 91   | 11953313 | 36756.242 | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.89 | 91   | 3991306  | 20224.074 | ug/l # | 38       |
| 80) 1,3,5-Trimethylbenzene     | 13.96 | 105  | 8828869  | 36319.424 | ug/l   | 91       |
| 81) trans-1,4-Dichloro-2-buten | 13.44 | 75   | 149224   | 10085.453 | ug/l # | 14       |
| 82) 4-Chlorotoluene            | 13.96 | 91   | 1036748  | 4561.480  | ug/l # | 37       |
| 83) tert-Butylbenzene          | 14.27 | 119  | 2233714  | 8283.937  | ug/l # | 70       |
| 84) 1,2,4-Trimethylbenzene     | 14.27 | 105  | 15985091 | 64174.497 | ug/l   | 79       |
| 85) sec-Butylbenzene           | 14.38 | 105  | 722625   | 2570.142  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 14.50 | 119  | 215776   | 846.858   | ug/l   | 88       |
| 89) n-Butylbenzene             | 14.80 | 91   | 979484   | 3983.268  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.98 | 117  | 170646   | 2423.357  | ug/l # | 20       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 4668     | 485.540   | ug/l # | 1        |
| 95) Naphthalene                | 16.12 | 128  | 189007   | 1468.915  | ug/l   | 99       |
| -----                          |       |      |          |           |        |          |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.05 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

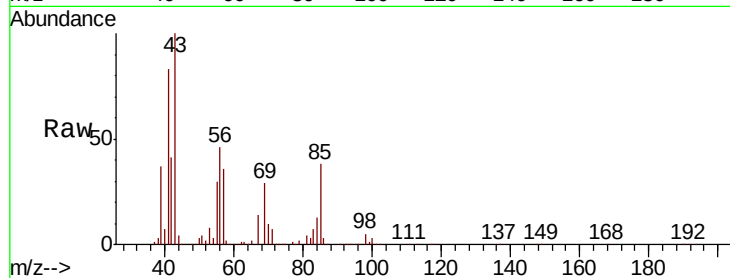
P-3(4.5-5.0)

Tot Ion:168 Resp: 64809

Ion Ratio Lower Upper

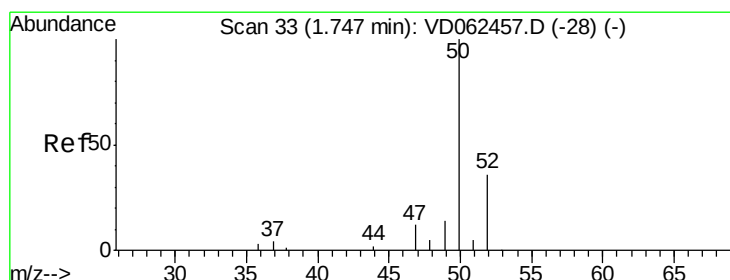
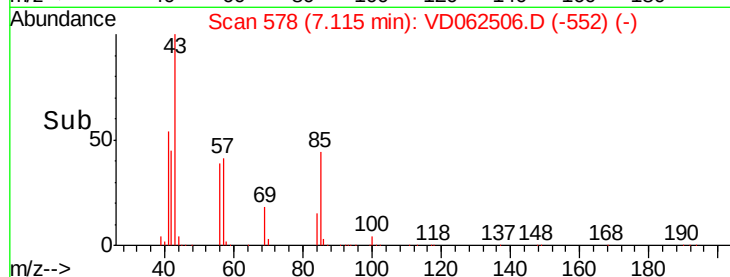
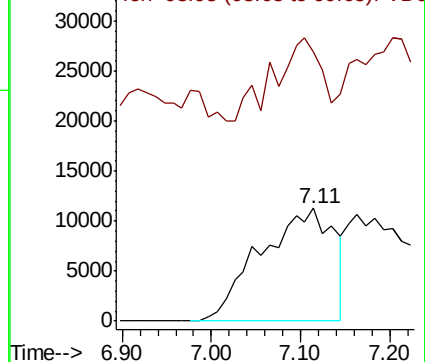
168 100

99 238.7 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 424.897 ug/l

RT: 1.82 min Scan# 40

Delta R.T. 0.07 min

Lab File: VD062506.D

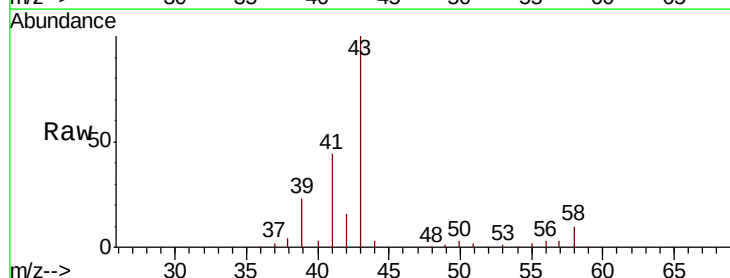
Acq: 22 May 2019 16:48

Tgt Ion: 50 Resp: 190764

Ion Ratio Lower Upper

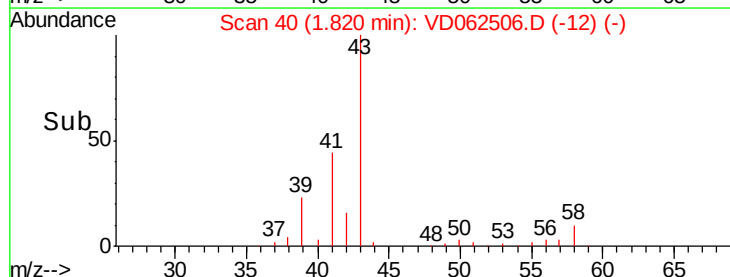
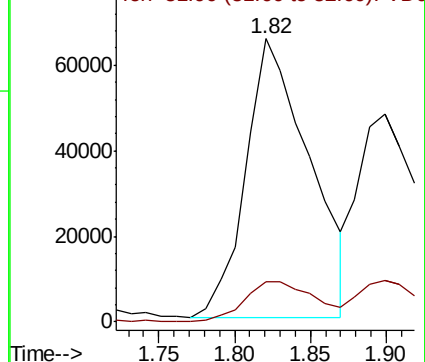
50 100

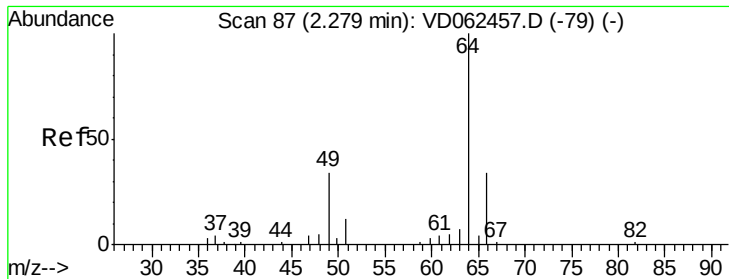
52 14.2 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#6

Chloroethane

Concen: 19.493 ug/l

RT: 2.32 min Scan# 91

Delta R.T. 0.04 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

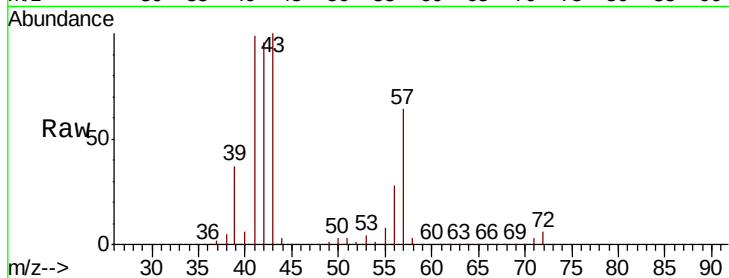
P-3(4.5-5.0)

Tot Ion: 64 Resp: 4455

Ion Ratio Lower Upper

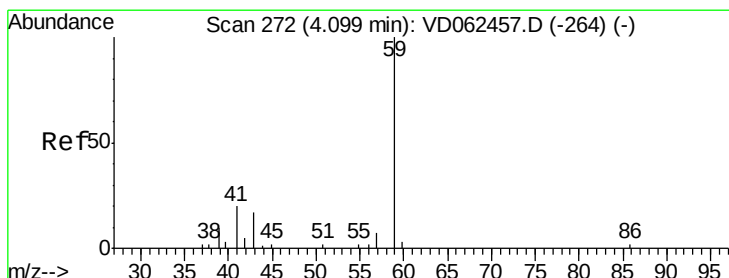
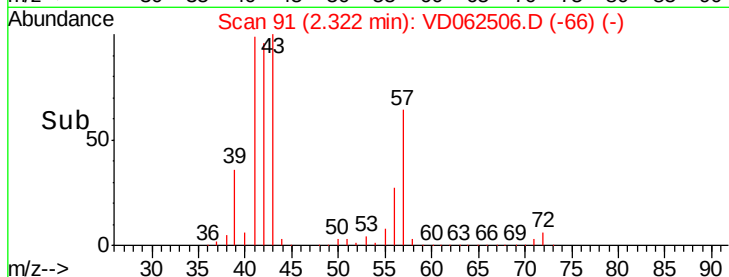
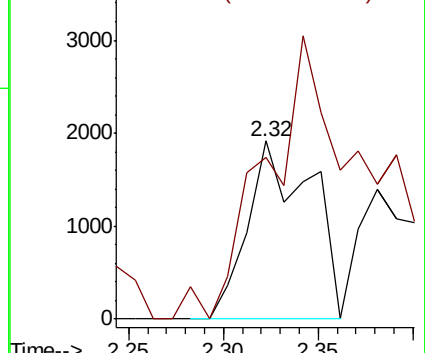
64 100

66 90.8 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#11

Tert butyl alcohol

Concen: 92.999 ug/l

RT: 4.09 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD062506.D

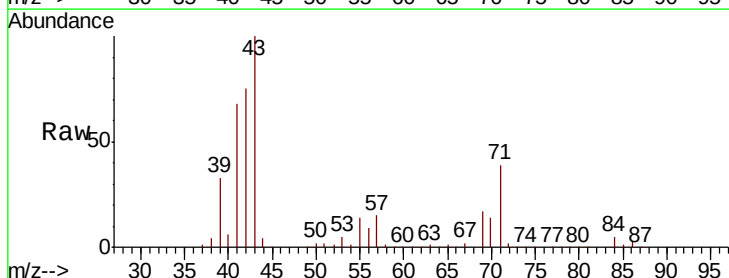
Acq: 22 May 2019 16:48

Tgt Ion: 59 Resp: 2978

Ion Ratio Lower Upper

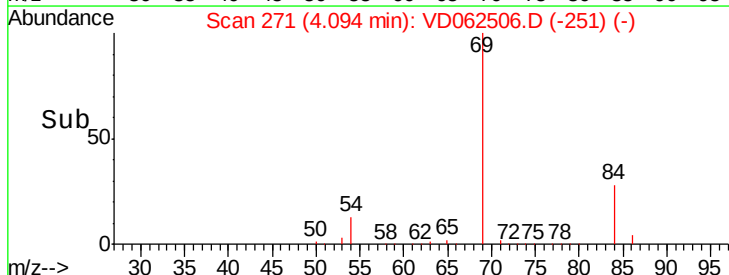
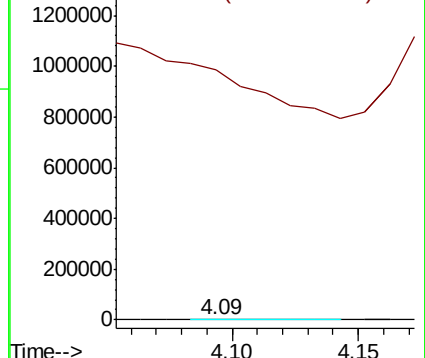
59 100

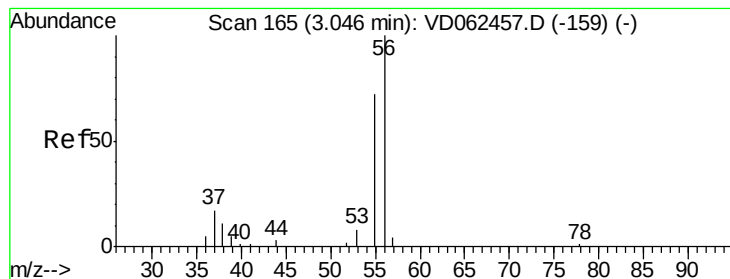
57 80666.1 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 35381.942 ug/l

RT: 2.95 min Scan# 155

Delta R.T. -0.09 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

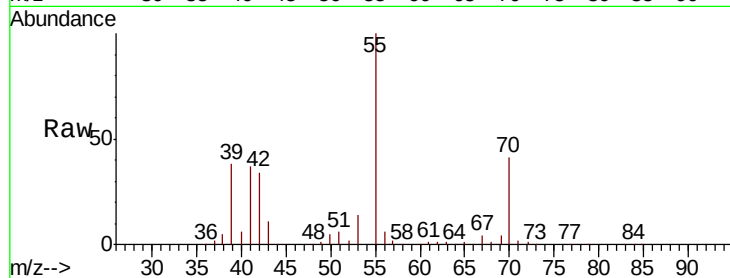
P-3(4.5-5.0)

Tot Ion: 56 Resp: 940894

Ion Ratio Lower Upper

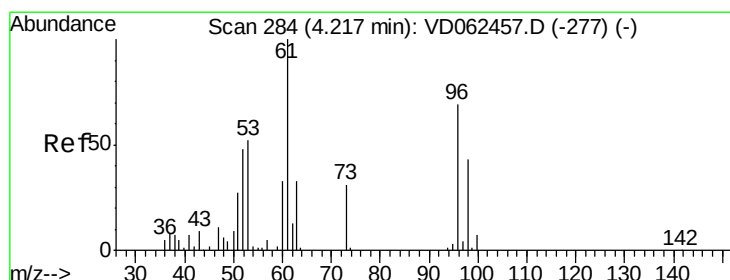
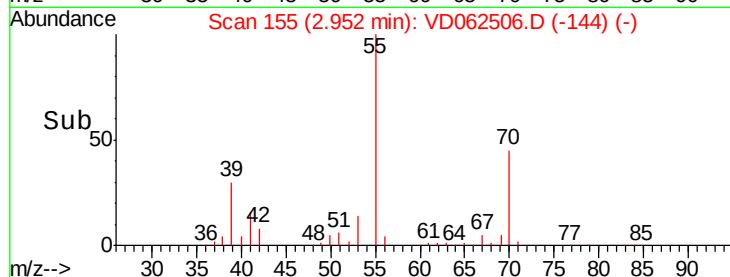
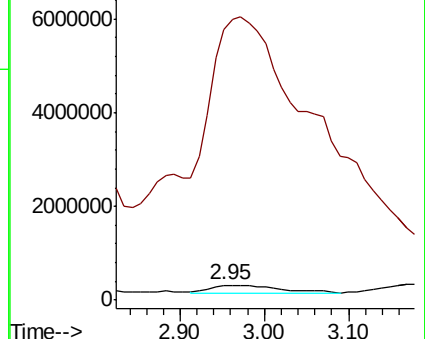
56 100

55 1805.0 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 914.043 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

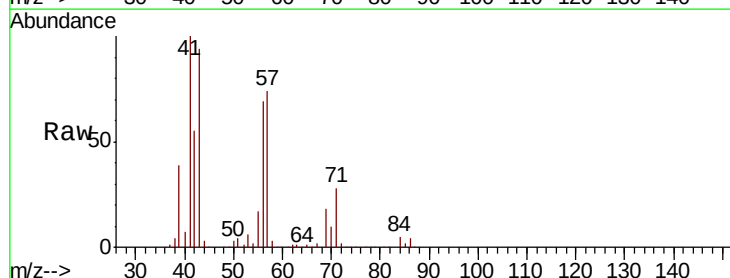
Tgt Ion: 53 Resp: 67069

Ion Ratio Lower Upper

53 100

52 18.5 65.0 97.4#

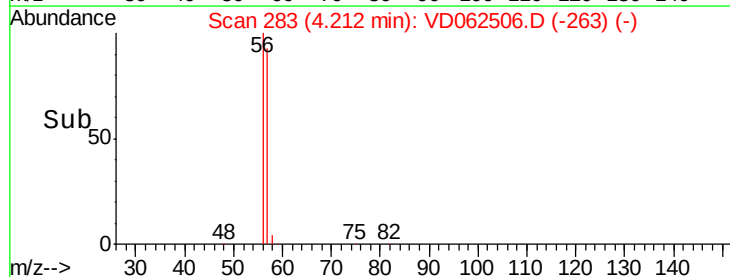
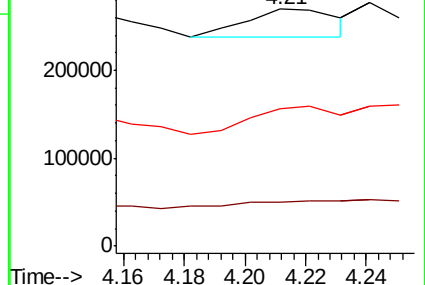
51 57.8 32.6 48.8#

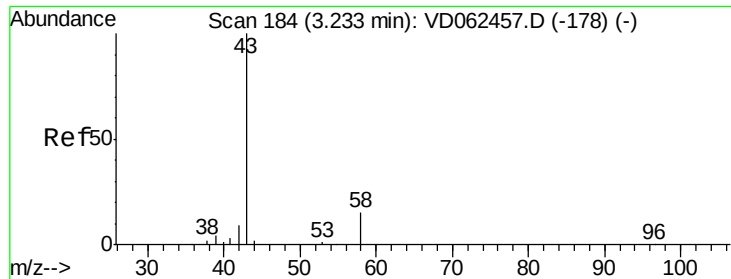


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 59648.165 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

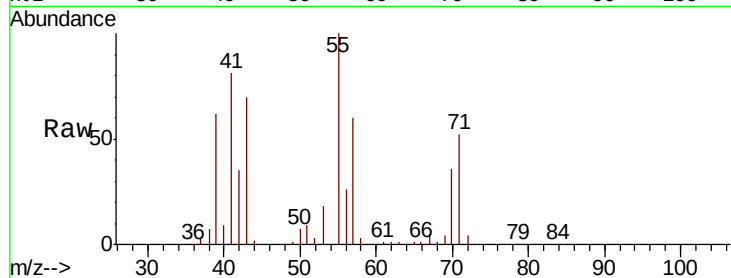
P-3(4.5-5.0)

Tot Ion: 43 Resp: 7415261

Ion Ratio Lower Upper

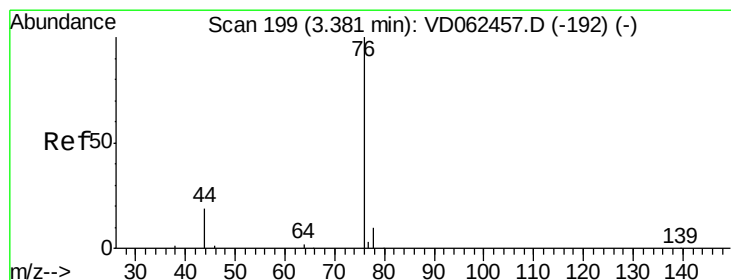
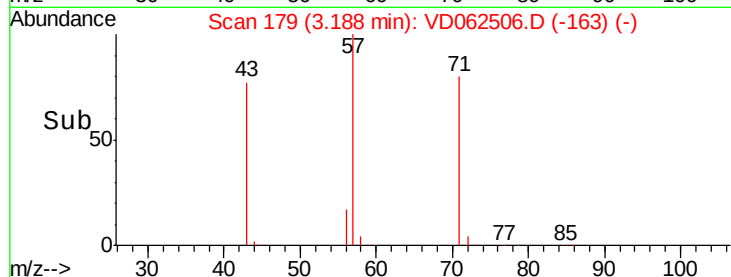
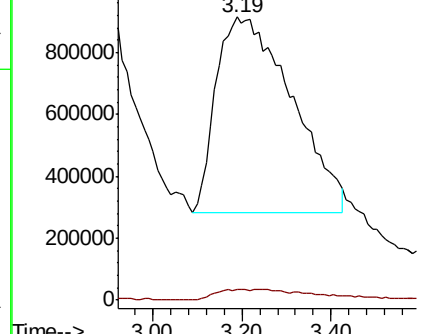
43 100

58 3.8 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 10.703 ug/l

RT: 3.35 min Scan# 195

Delta R.T. -0.04 min

Lab File: VD062506.D

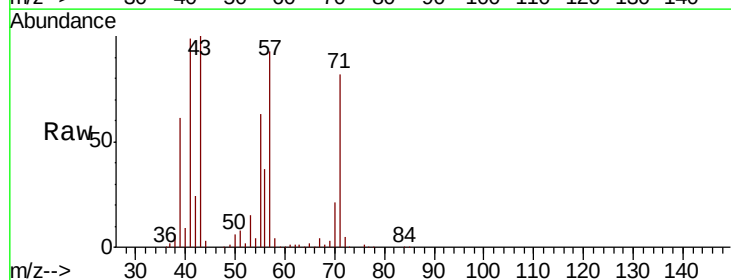
Acq: 22 May 2019 16:48

Tgt Ion: 76 Resp: 15557

Ion Ratio Lower Upper

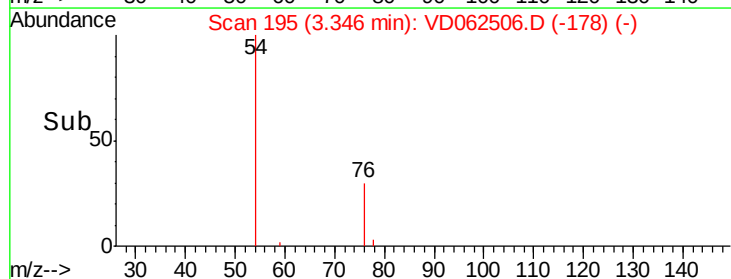
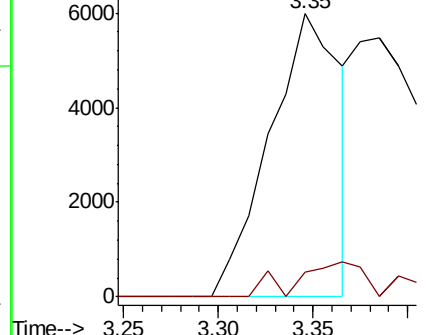
76 100

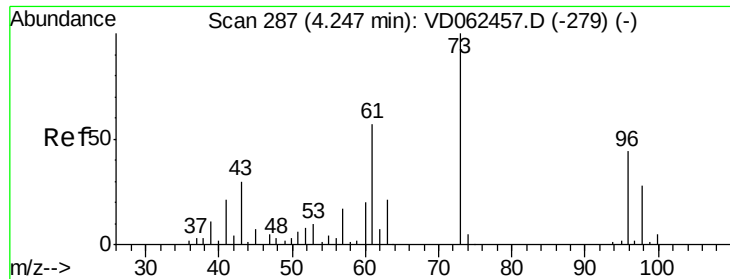
78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

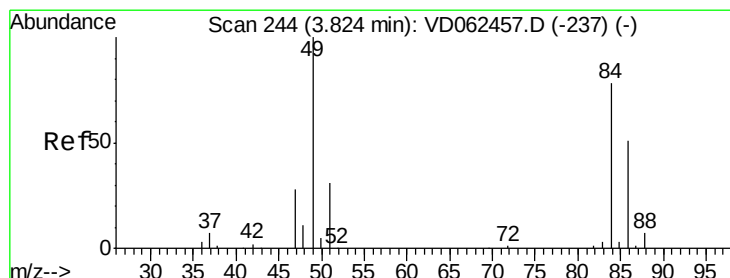
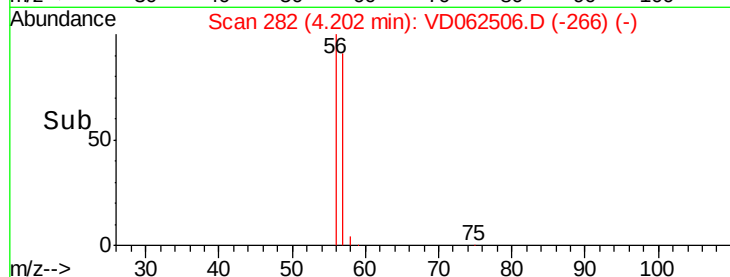
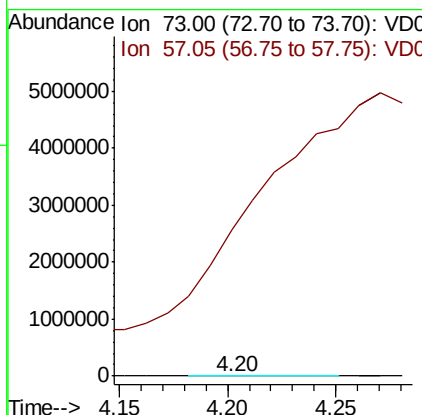
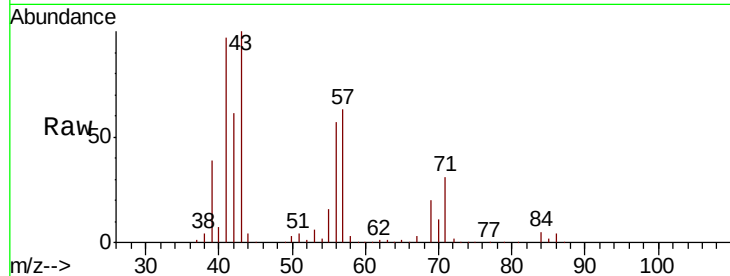




#19  
Methyl tert-butyl Ether  
Concen: 2.010 ug/l  
RT: 4.20 min Scan# 282  
Delta R.T. -0.04 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

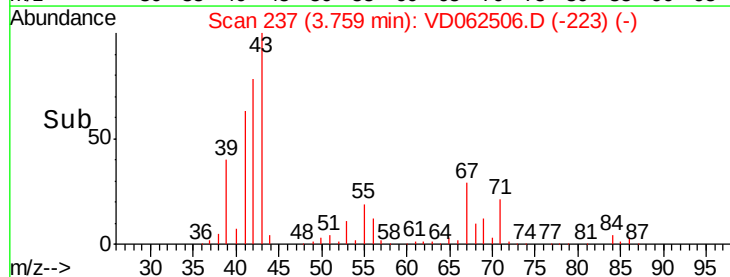
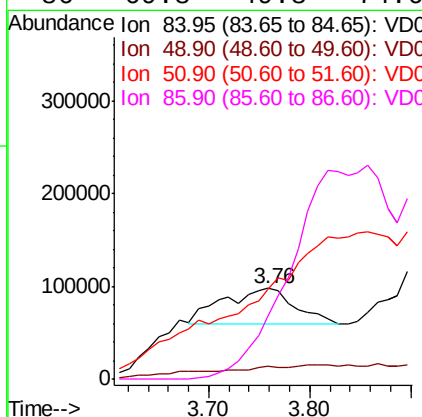
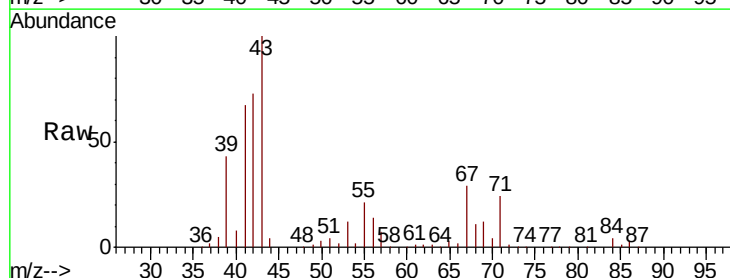
Instrument :  
MSVOA\_D  
ClientSampleId :  
P-3(4.5-5.0)

Tot Ion: 73 Resp: 2228  
Ion Ratio Lower Upper  
73 100  
57 62190.9 16.3 24.5#

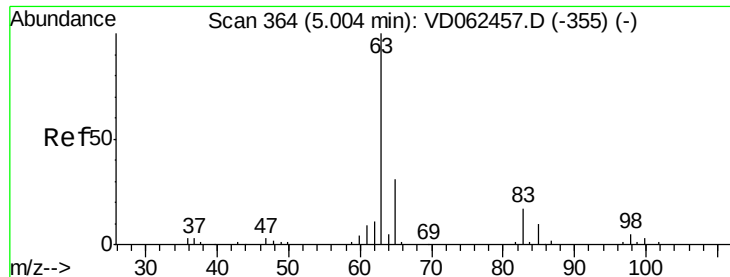


#20  
Methylene Chloride  
Concen: 410.833 ug/l  
RT: 3.76 min Scan# 237  
Delta R.T. -0.06 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Tgt Ion: 84 Resp: 193972  
Ion Ratio Lower Upper  
84 100  
49 14.2 94.0 141.0#  
51 98.6 29.0 43.4#  
86 69.8 49.8 74.6



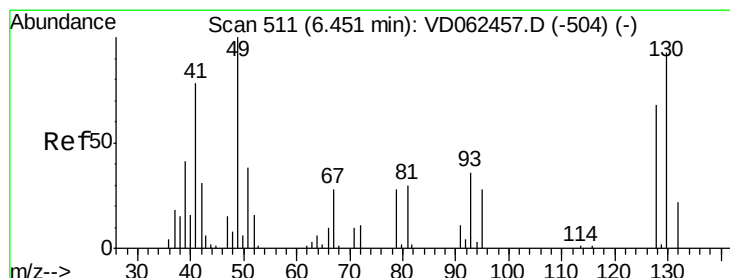
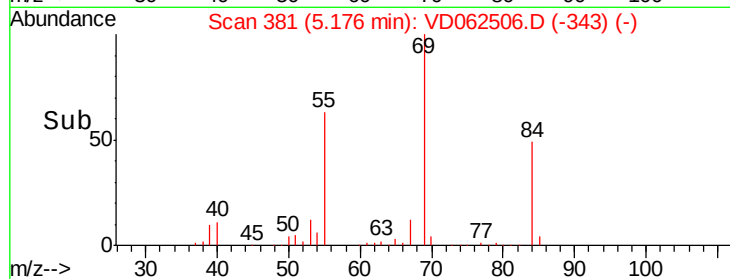
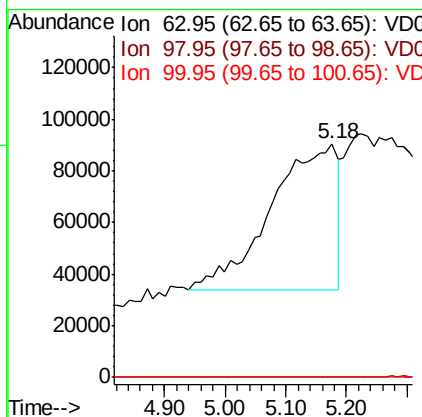
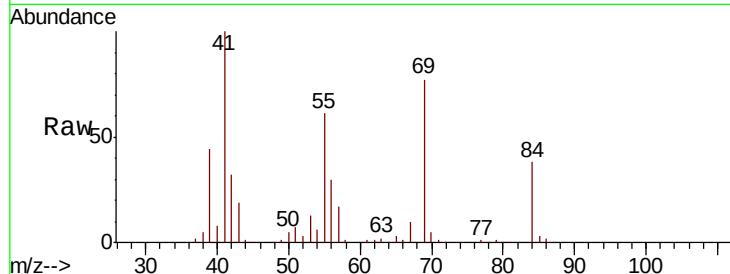




#24  
 1,1-Dichloroethane  
 Concen: 444.077 ug/l  
 RT: 5.18 min Scan# 381  
 Delta R.T. 0.17 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

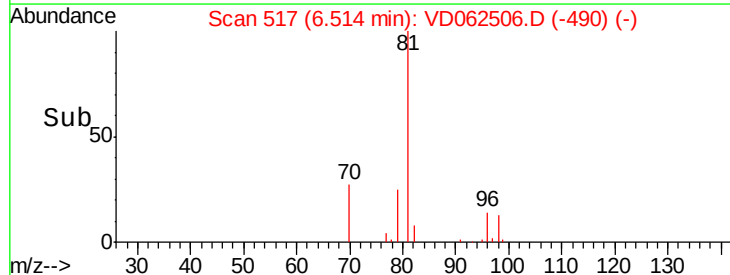
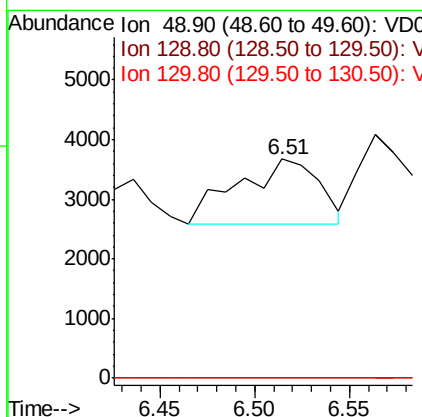
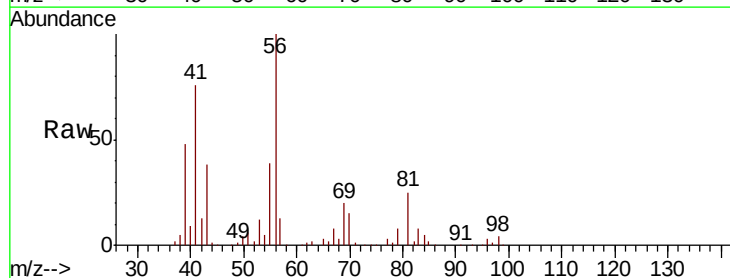
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

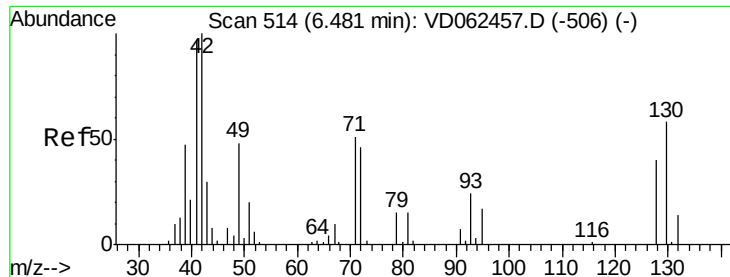
Tot Ion: 63 Resp: 430814  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 2.8 8.4#  
 100 0.0 1.8 5.5#



#28  
 Bromochloromethane  
 Concen: 9.288 ug/l  
 RT: 6.51 min Scan# 517  
 Delta R.T. 0.06 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Tgt Ion: 49 Resp: 3234  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 6.6  
 130 0.0 86.7 130.1#





#29

Tetrahydrofuran

Concen: 10448.469 ug/l

RT: 6.71 min Scan# 537

Delta R.T. 0.23 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

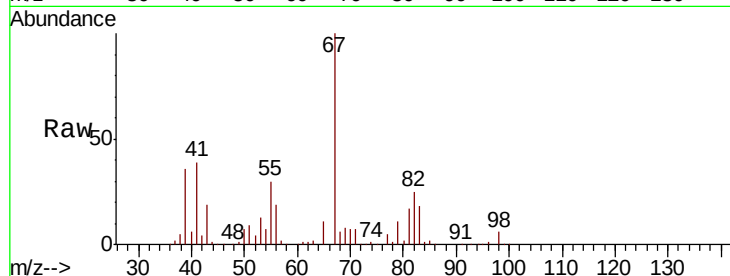
Tot Ion: 42 Resp: 648824

Ion Ratio Lower Upper

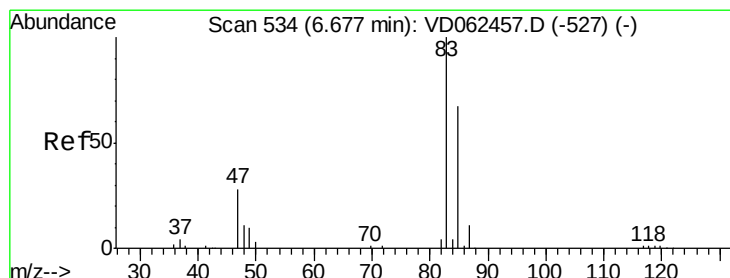
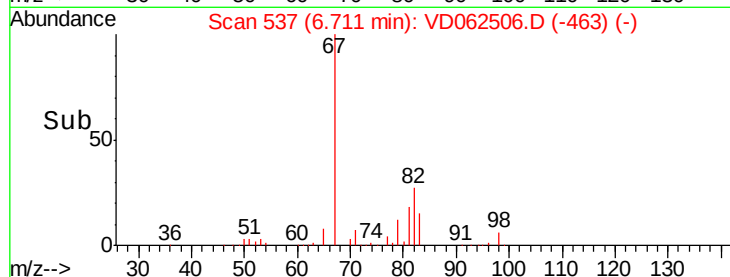
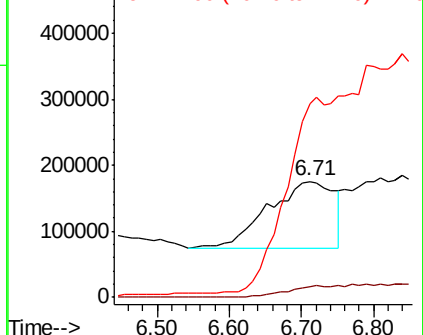
42 100

72 11.8 37.8 56.6#

71 170.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 3529.967 ug/l

RT: 6.71 min Scan# 537

Delta R.T. 0.03 min

Lab File: VD062506.D

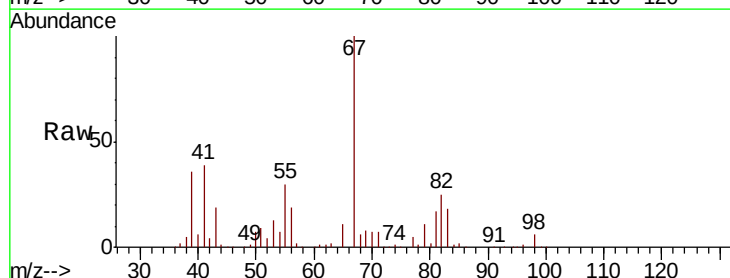
Acq: 22 May 2019 16:48

Tgt Ion: 83 Resp: 4365882

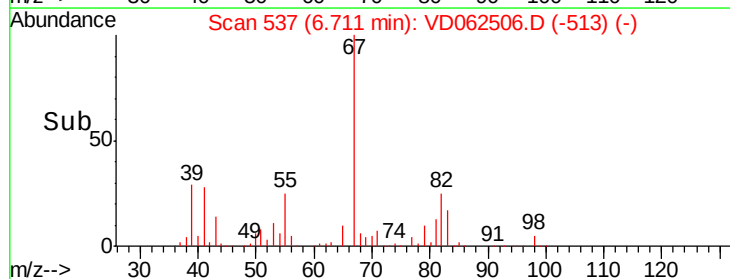
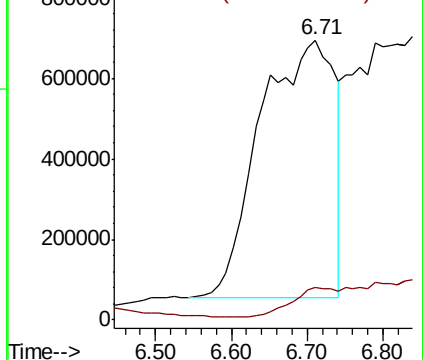
Ion Ratio Lower Upper

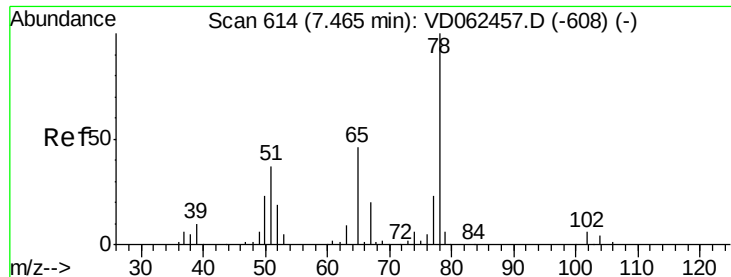
83 100

85 11.4 51.7 77.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 84.95 (84.65 to 85.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 17.481 ug/l

RT: 7.66 min Scan# 633

Delta R.T. 0.19 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

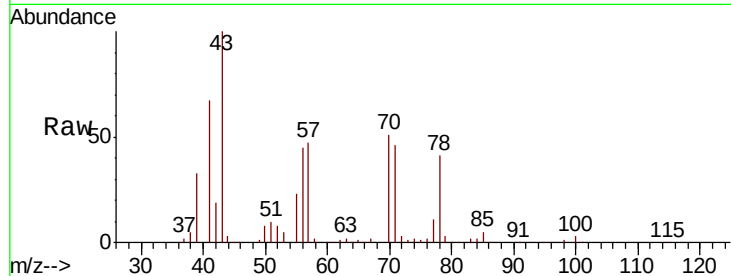
P-3(4.5-5.0)

Tot Ion: 65 Resp: 12127

Ion Ratio Lower Upper

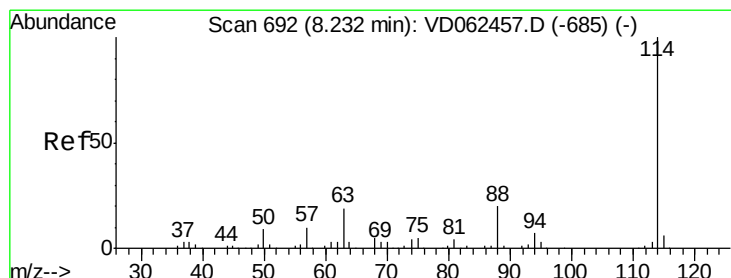
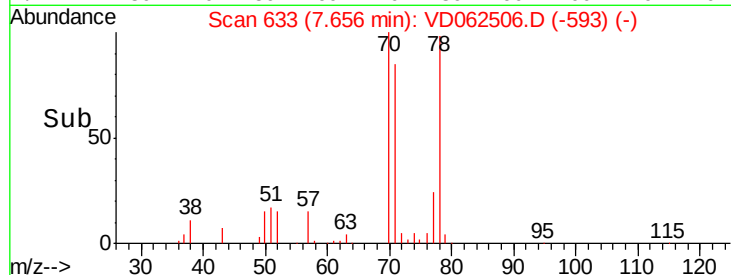
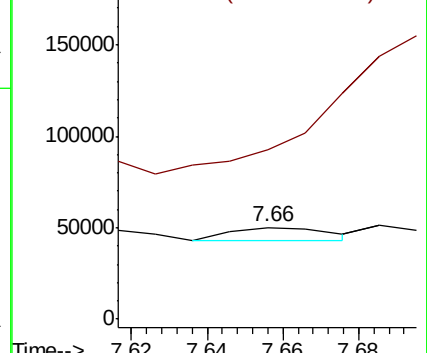
65 100

67 184.6 0.0 98.0#



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.30 min Scan# 698

Delta R.T. 0.06 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

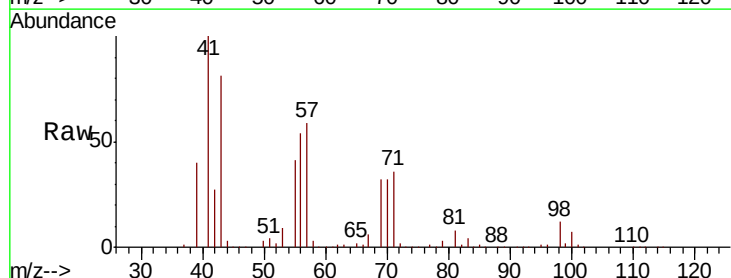
Tgt Ion: 114 Resp: 70410

Ion Ratio Lower Upper

114 100

63 335.2 0.0 32.4#

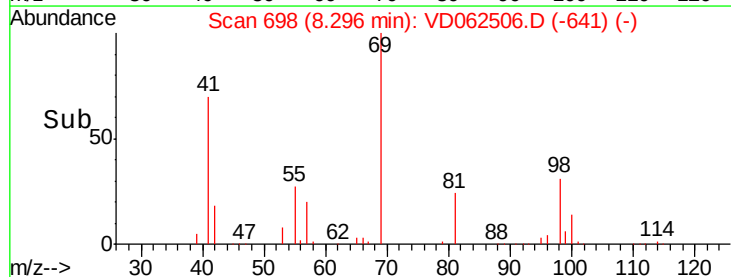
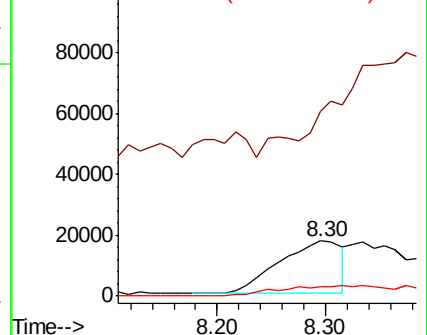
88 18.0 0.0 33.6

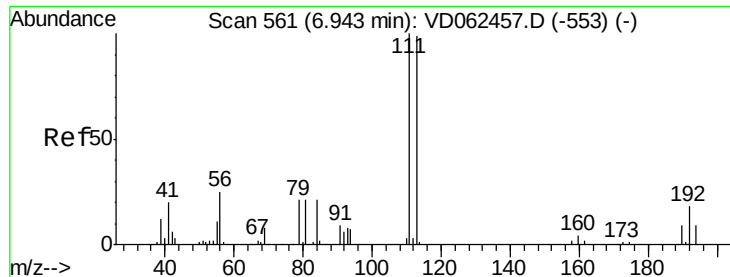


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 86.707 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

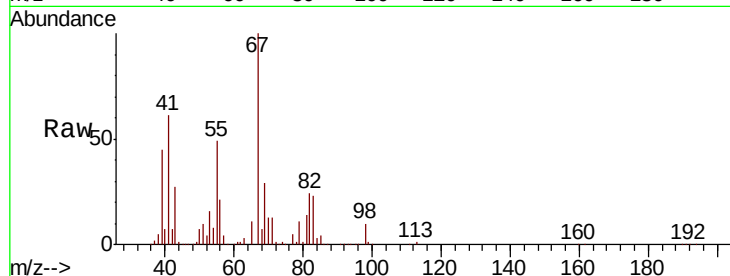
Tot Ion:113 Resp: 55075

Ion Ratio Lower Upper

113 100

111 93.6 78.5 117.7

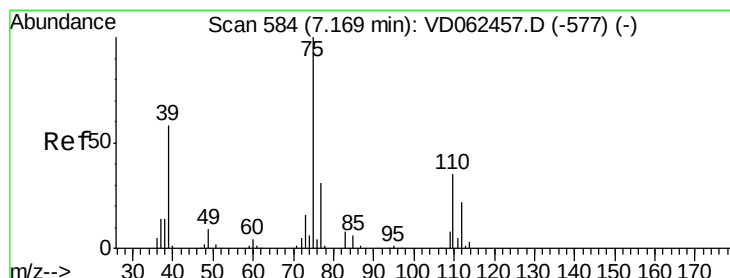
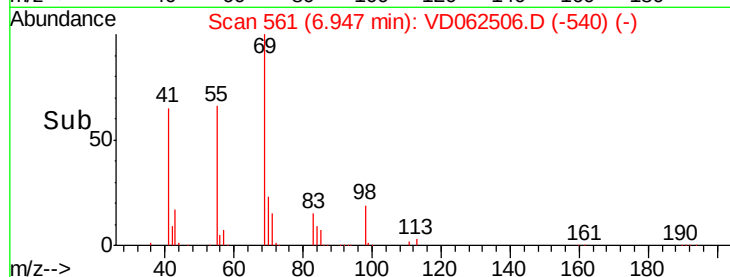
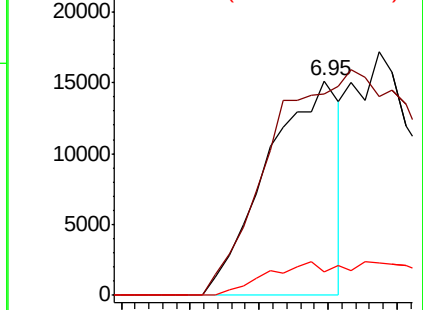
192 10.9 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 8.672 ug/l

RT: 7.22 min Scan# 589

Delta R.T. 0.05 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

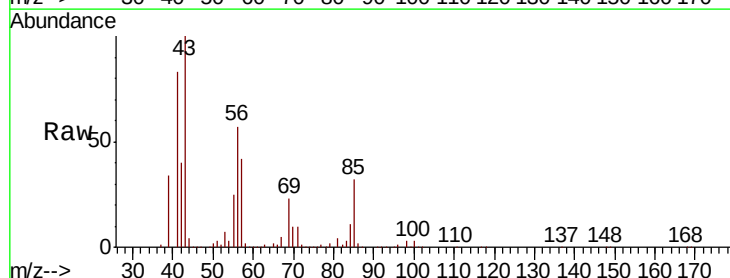
Tgt Ion: 75 Resp: 5838

Ion Ratio Lower Upper

75 100

110 7.2 19.1 57.1#

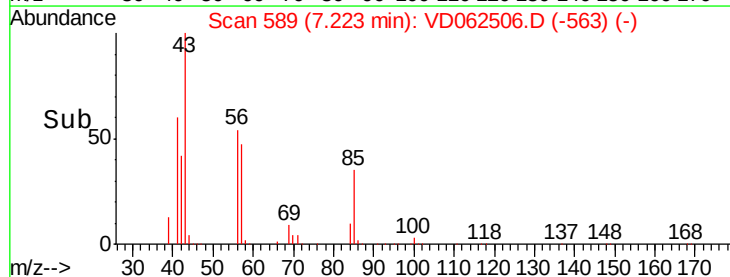
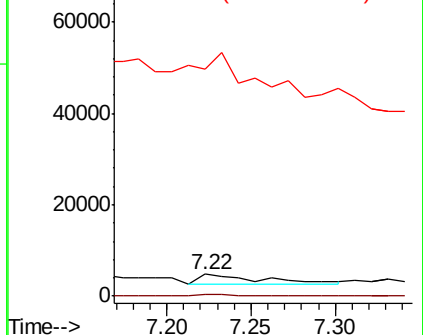
77 1049.6 25.6 38.4#

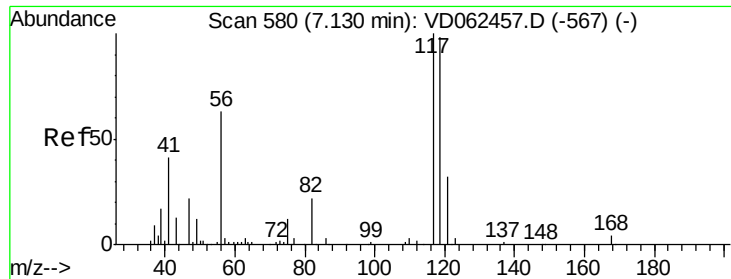


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 2.673 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.03 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

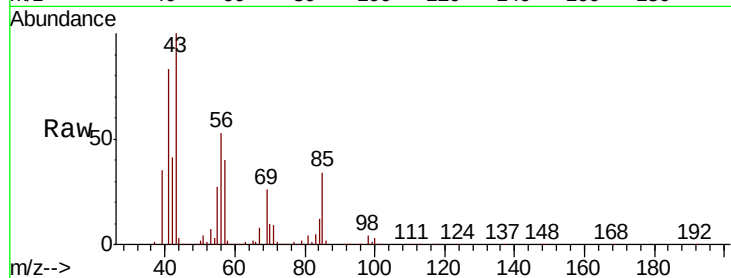
Tot Ion:117 Resp: 2674

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

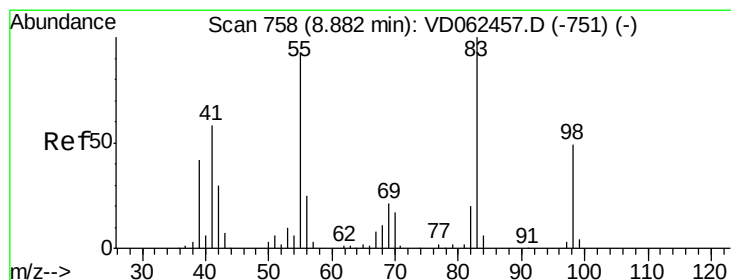
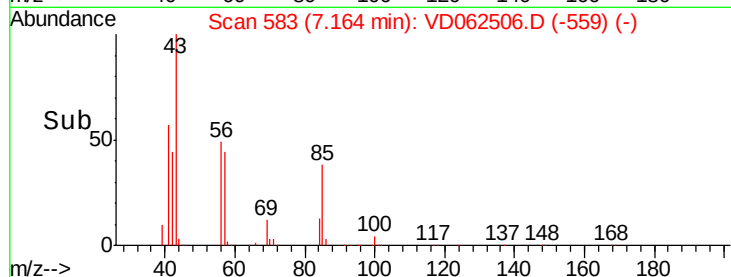
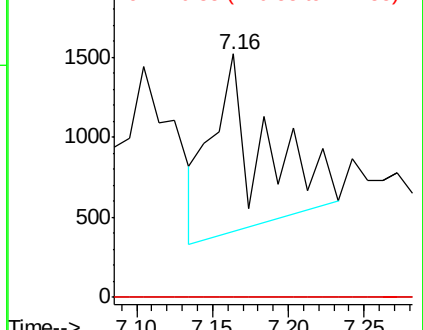
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 11426.866 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.04 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

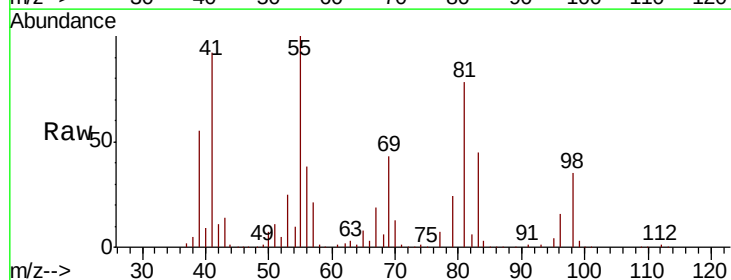
Tgt Ion: 83 Resp: 6344529

Ion Ratio Lower Upper

83 100

55 220.4 68.2 102.4#

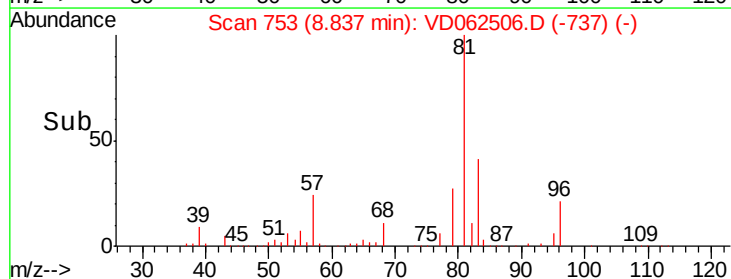
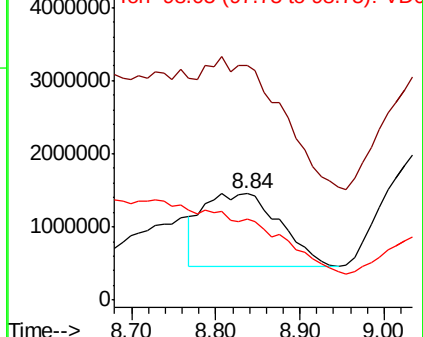
98 76.8 38.2 57.4#

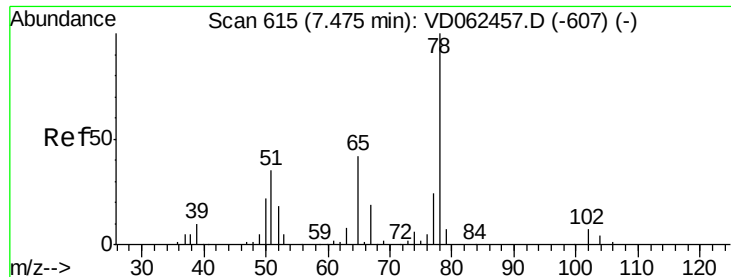


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

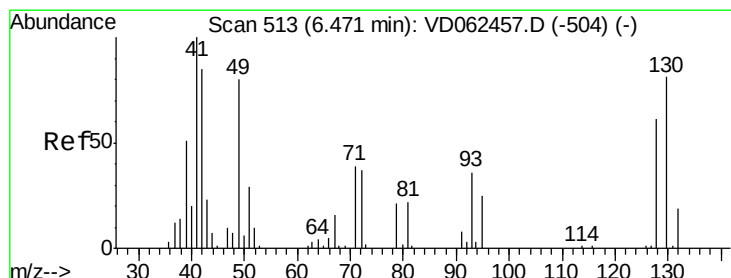
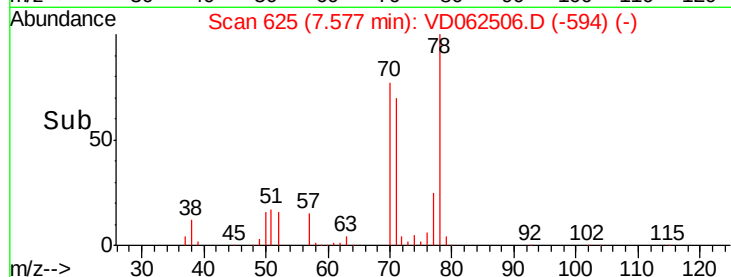
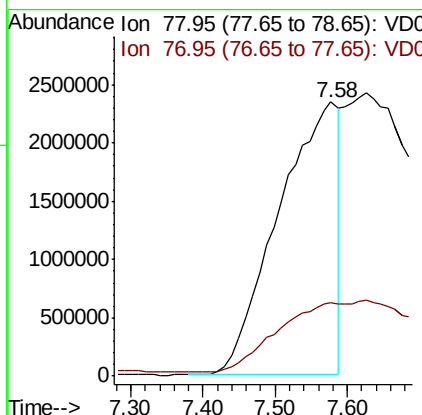
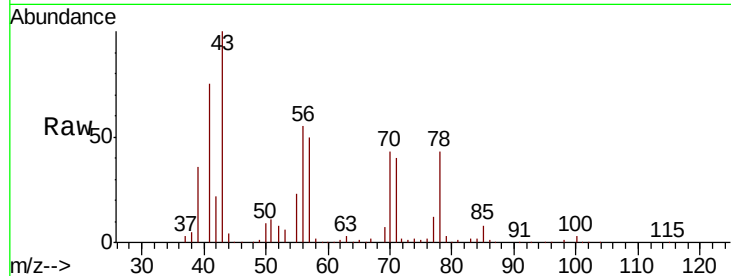




#40  
Benzene  
Concen: 10282.640 ug/l  
RT: 7.58 min Scan# 625  
Delta R.T. 0.10 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

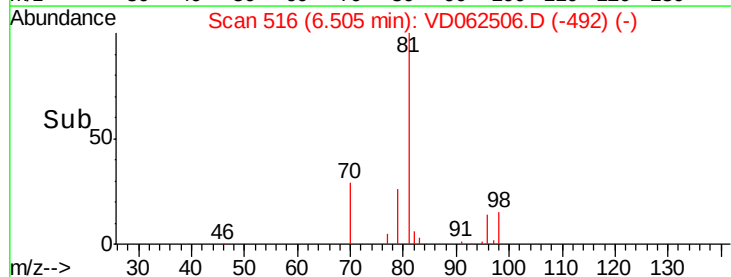
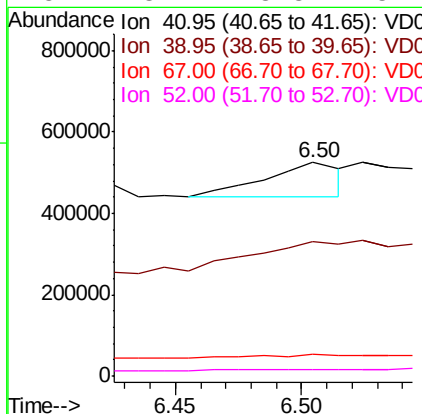
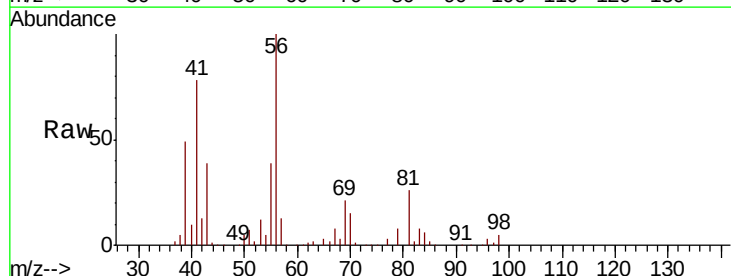
Instrument :  
MSVOA\_D  
ClientSampleId :  
P-3(4.5-5.0)

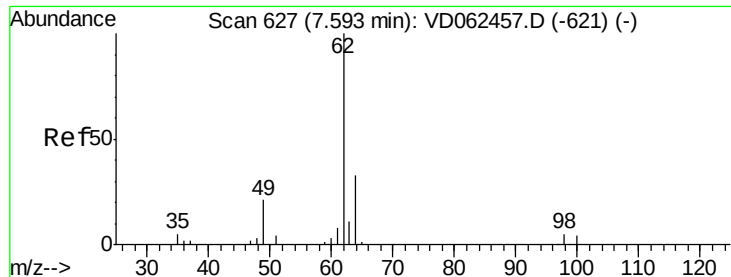
Tot Ion: 78 Resp:13577490  
Ion Ratio Lower Upper  
78 100  
77 26.6 19.7 29.5



#41  
Methacrylonitrile  
Concen: 559.515 ug/l  
RT: 6.50 min Scan# 516  
Delta R.T. 0.03 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Tgt Ion: 41 Resp: 183768  
Ion Ratio Lower Upper  
41 100  
39 63.1 34.1 51.1#  
67 10.3 23.8 35.6#  
52 3.2 8.8 13.2#





#42

1,2-Dichloroethane

Concen: 146.196 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

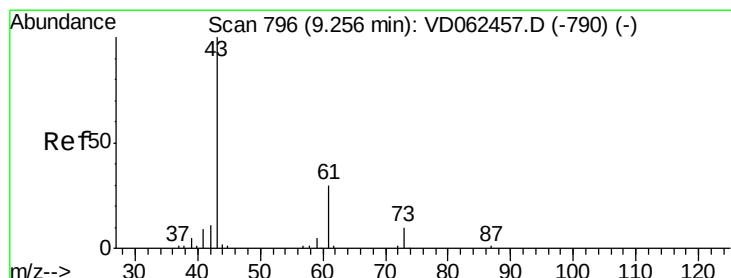
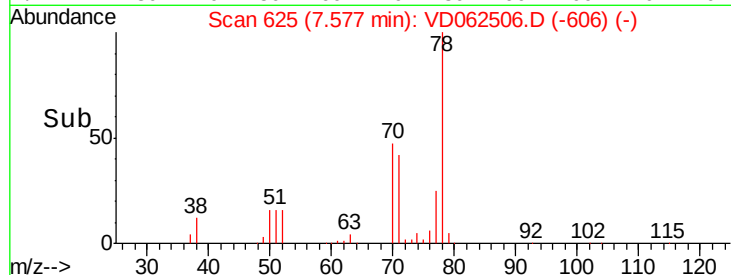
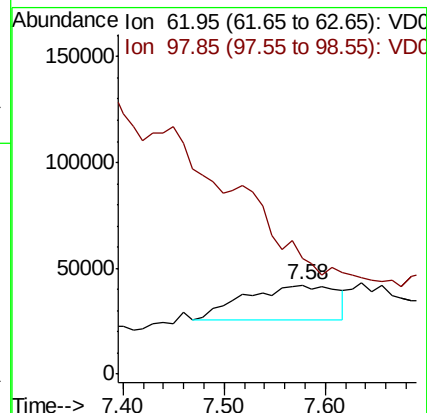
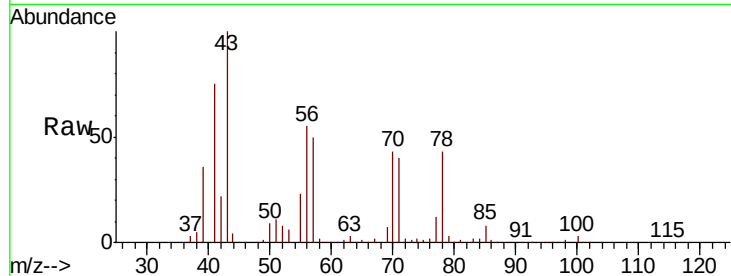
P-3(4.5-5.0)

Tot Ion: 62 Resp: 102222

Ion Ratio Lower Upper

62 100

98 130.1 0.0 17.8#



#43

Isopropyl Acetate

Concen: 180663.964 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

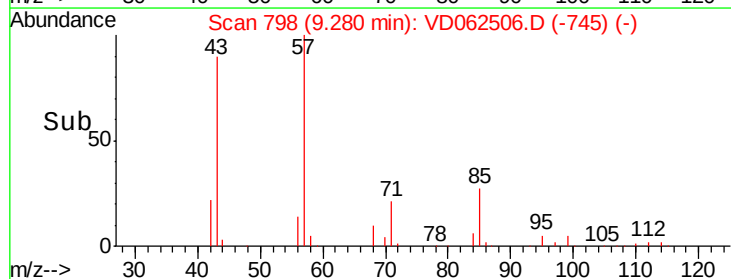
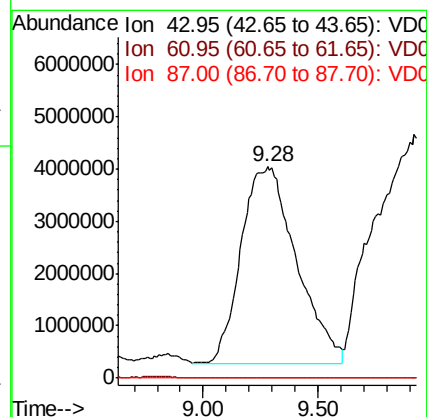
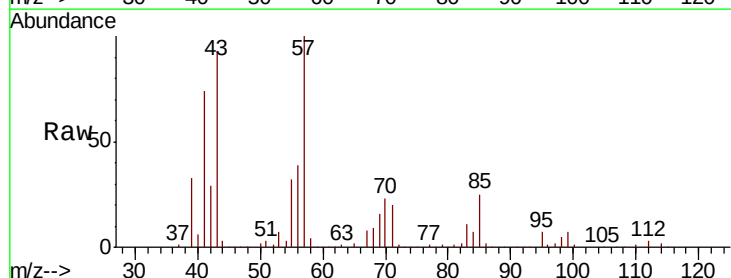
Tgt Ion: 43 Resp: 62677100

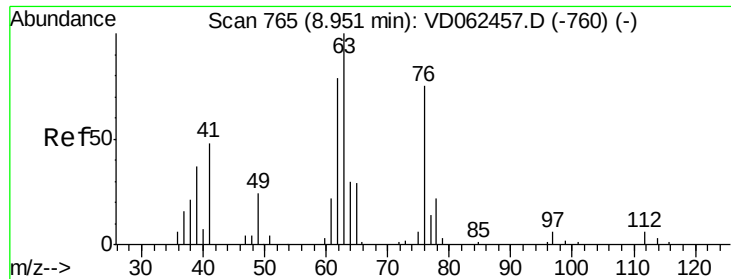
Ion Ratio Lower Upper

43 100

61 0.1 25.1 37.7#

87 0.1 0.0 0.0#

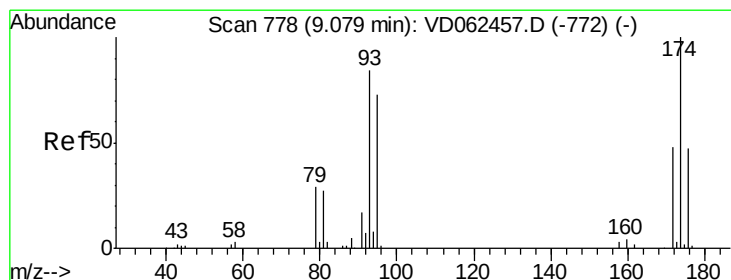
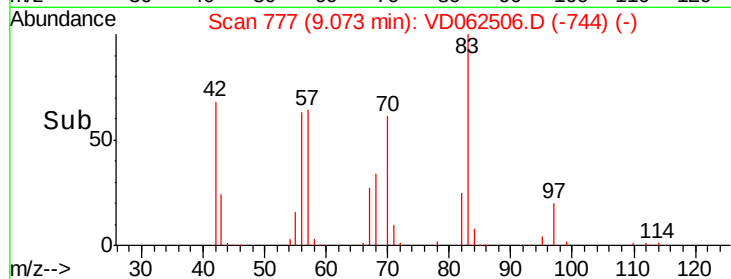
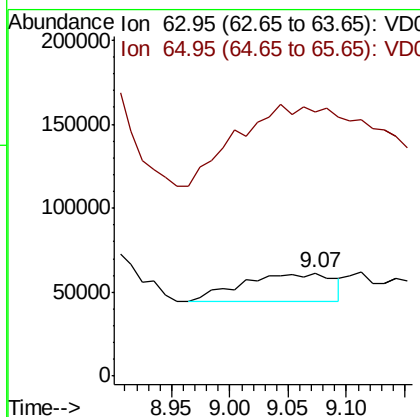
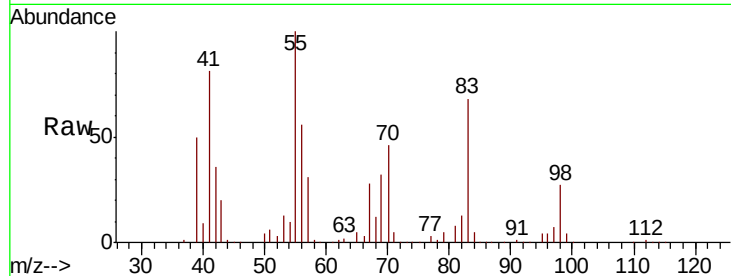




#45  
 1,2-Dichloropropane  
 Concen: 286.906 ug/l  
 RT: 9.07 min Scan# 777  
 Delta R.T. 0.12 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

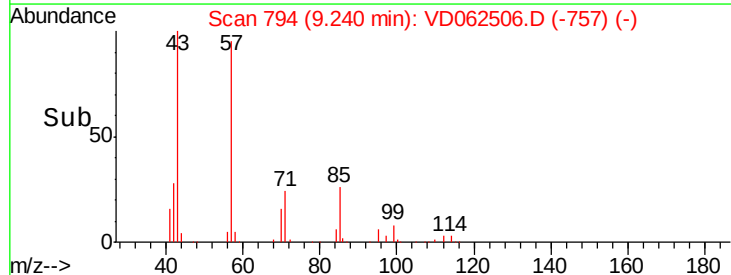
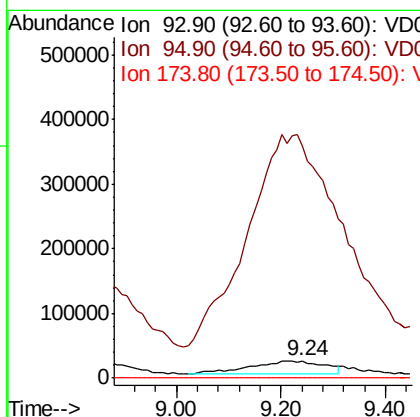
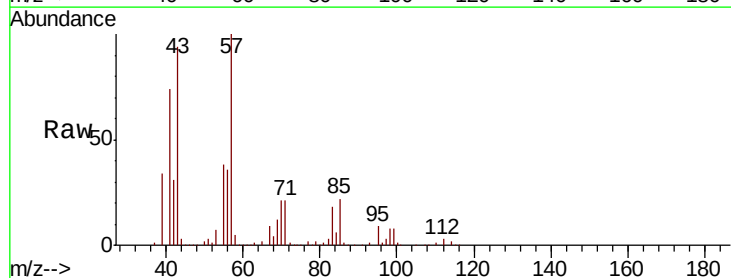
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

Tot Ion: 63 Resp: 92322  
 Ion Ratio Lower Upper  
 63 100  
 65 255.7 23.8 35.6#

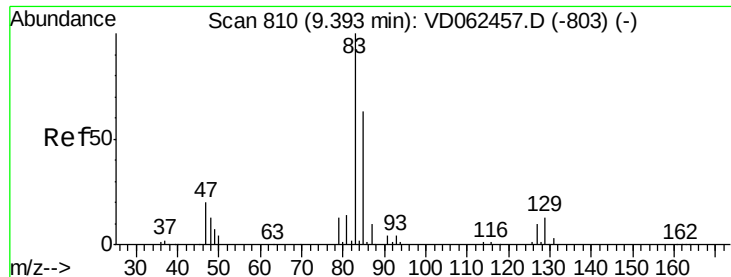


#46  
 Dibromomethane  
 Concen: 711.609 ug/l  
 RT: 9.24 min Scan# 794  
 Delta R.T. 0.16 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Tgt Ion: 93 Resp: 207567  
 Ion Ratio Lower Upper  
 93 100  
 95 1354.8 64.8 97.2#  
 174 0.0 79.3 118.9#







#47

Bromodichloromethane

Concen: 4991.002 ug/l

RT: 9.59 min Scan# 830

Delta R.T. 0.20 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

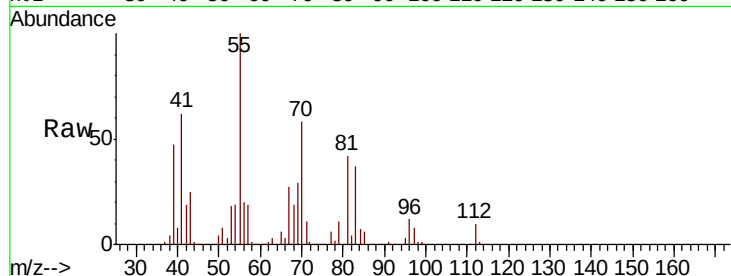
Tot Ion: 83 Resp: 3703454

Ion Ratio Lower Upper

83 100

85 15.8 50.9 76.3#

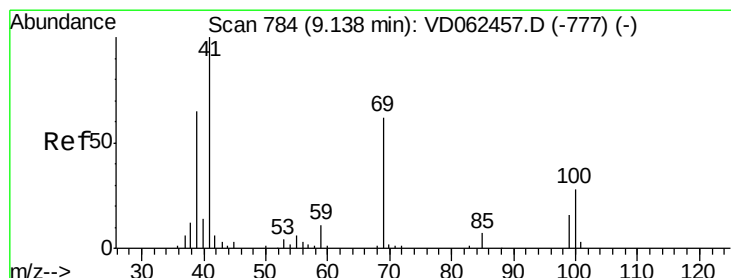
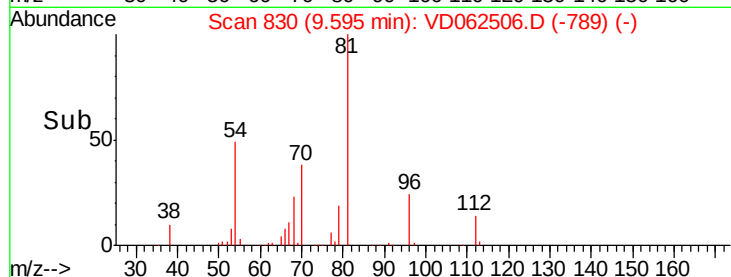
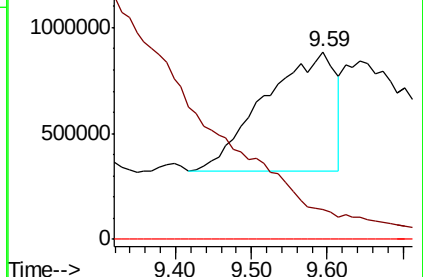
127 0.0 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 26120.312 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.03 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

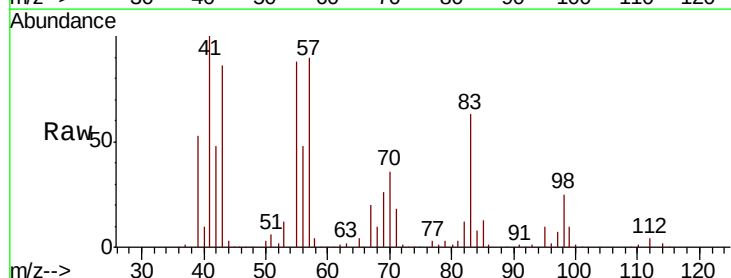
Tgt Ion: 41 Resp: 6098148

Ion Ratio Lower Upper

41 100

69 25.7 64.2 96.2#

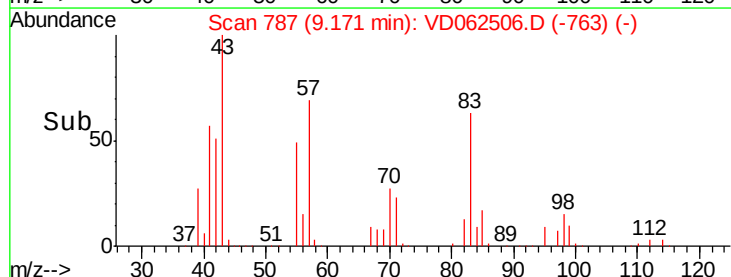
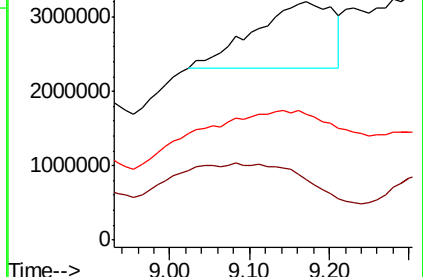
39 53.0 46.8 70.2

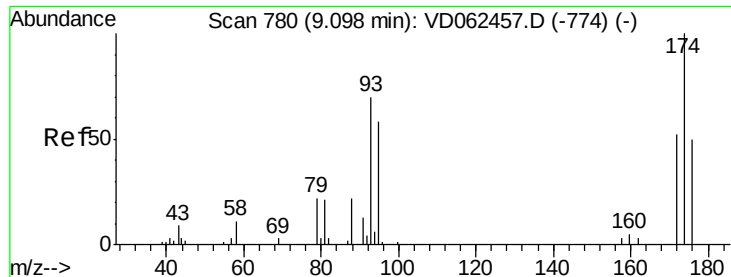


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

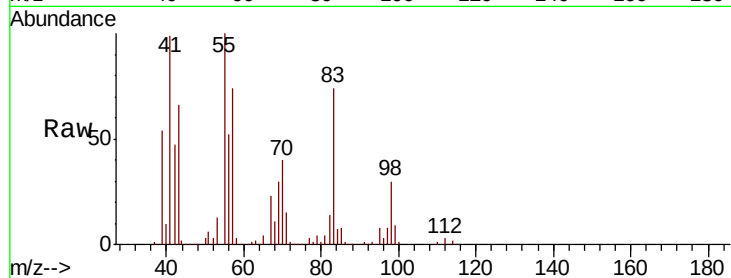




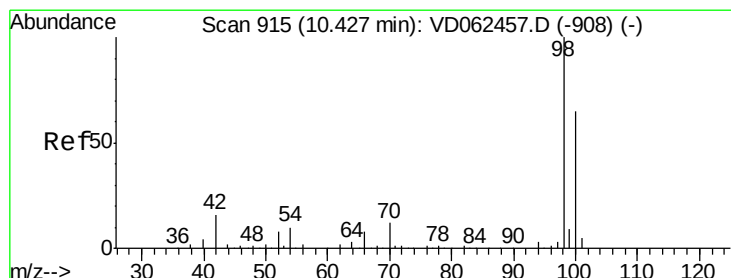
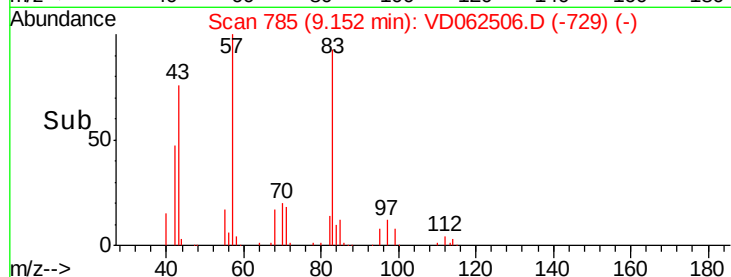
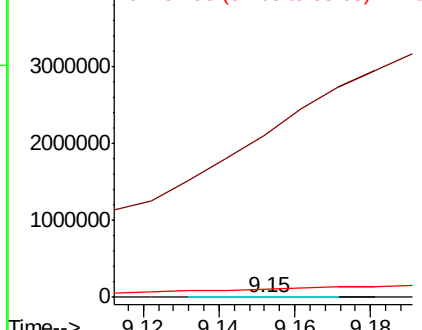
#49  
1,4-Dioxane  
Concen: 85.001 ug/l  
RT: 9.15 min Scan# 785  
Delta R.T. 0.05 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-3(4.5-5.0)

Tot Ion: 88 Resp: 178  
Ion Ratio Lower Upper  
88 100  
43 698599.3 23.4 35.0#  
58 34097.0 44.0 66.0#

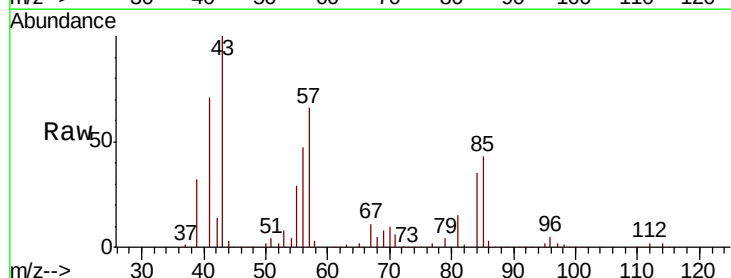


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

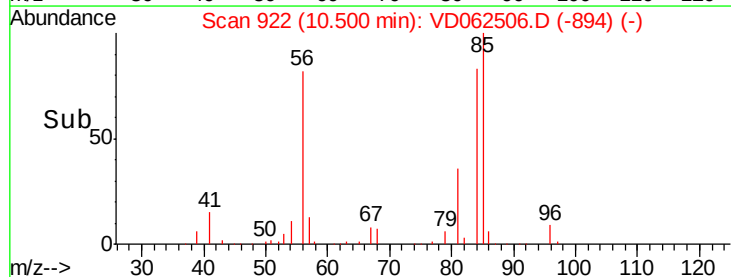
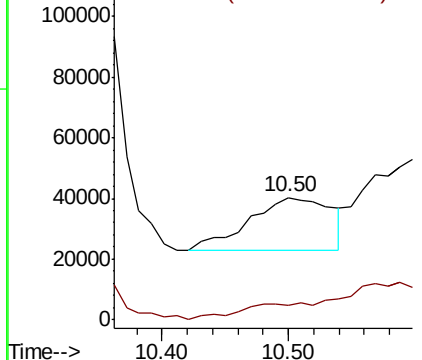


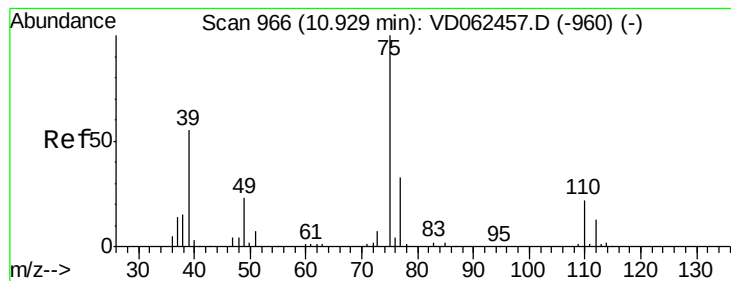
#50  
Toluene-d8  
Concen: 57.593 ug/l  
RT: 10.50 min Scan# 922  
Delta R.T. 0.07 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Tgt Ion: 98 Resp: 80056  
Ion Ratio Lower Upper  
98 100  
100 12.1 53.8 80.8#



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





#53

t-1,3-Dichloropropene

Concen: 6.590 ug/l

RT: 11.02 min Scan# 975

Delta R.T. 0.09 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

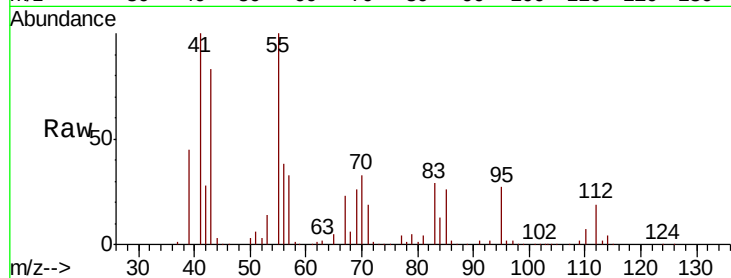
P-3(4.5-5.0)

Tot Ion: 75 Resp: 4071

Ion Ratio Lower Upper

75 100

77 2628.1 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

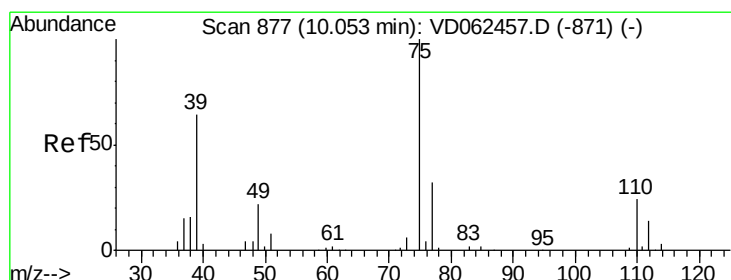
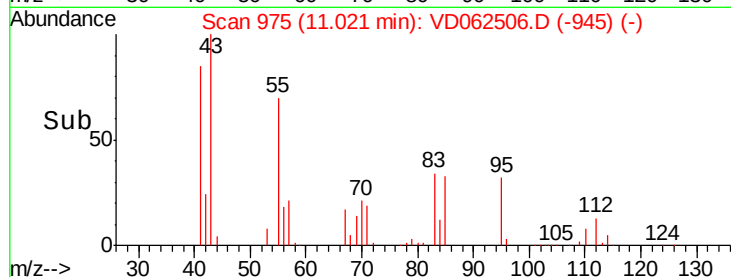
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.540 ug/l

RT: 10.24 min Scan# 896

Delta R.T. 0.19 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

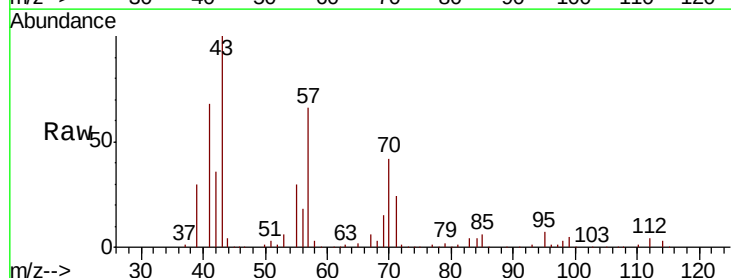
Tgt Ion: 75 Resp: 993

Ion Ratio Lower Upper

75 100

77 2634.3 25.5 38.3#

39 53740.0 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

2000000

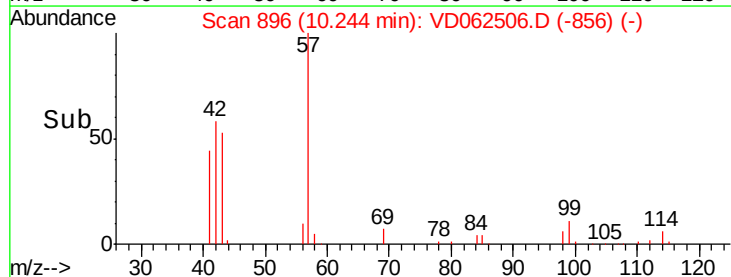
1500000

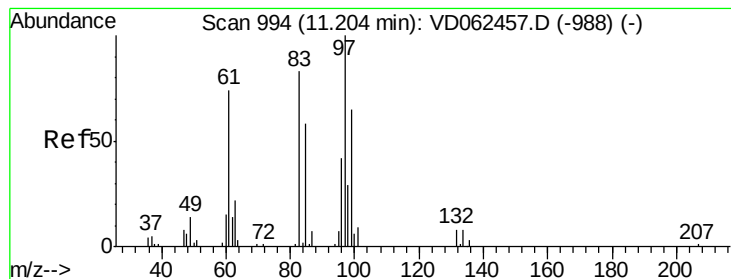
1000000

500000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 9324.254 ug/l

RT: 11.24 min Scan# 997

Delta R.T. 0.03 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

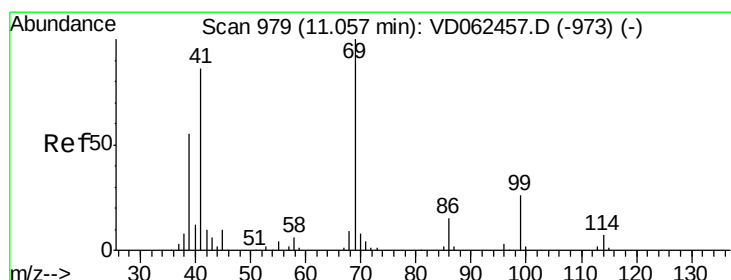
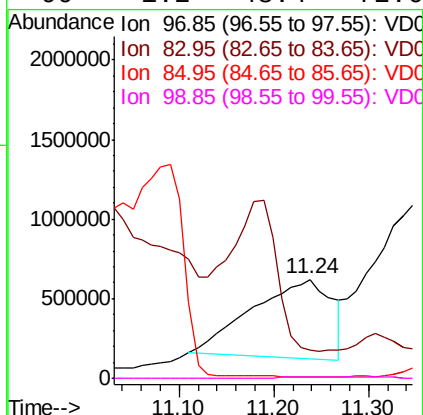
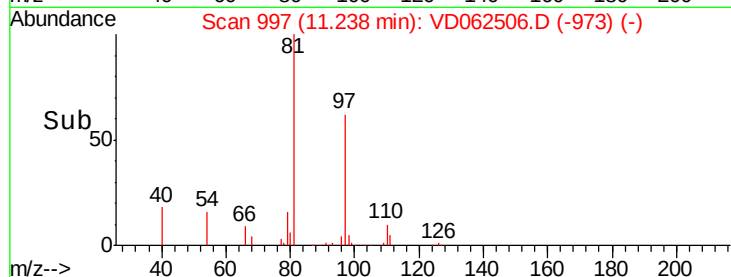
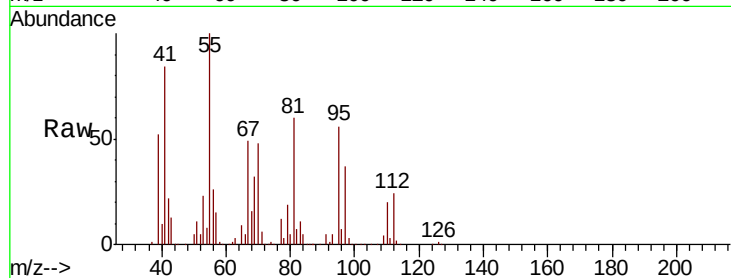
MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

Tot Ion: 97 Resp: 2856612

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 28.8  | 65.7  | 98.5# |
| 85  | 1.1   | 45.6  | 68.4# |
| 99  | 1.2   | 48.4  | 72.6# |



#56

Ethyl methacrylate

Concen: 37917.110 ug/l

RT: 11.15 min Scan# 988

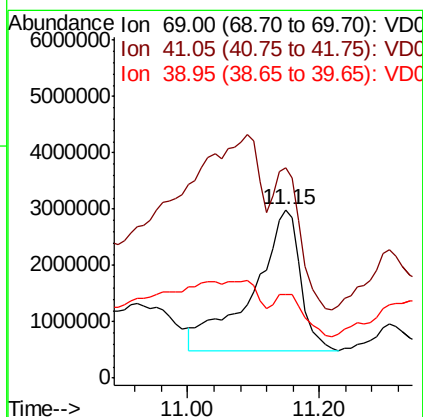
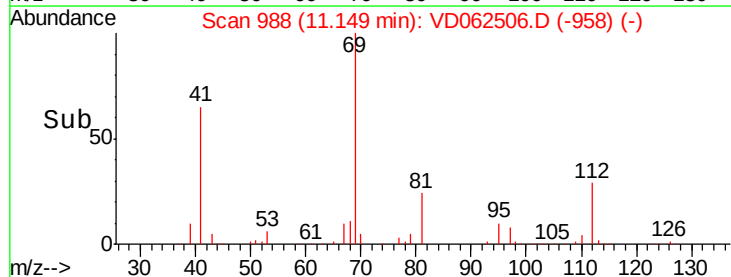
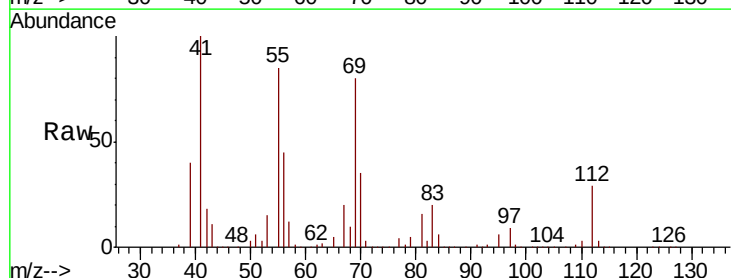
Delta R.T. 0.09 min

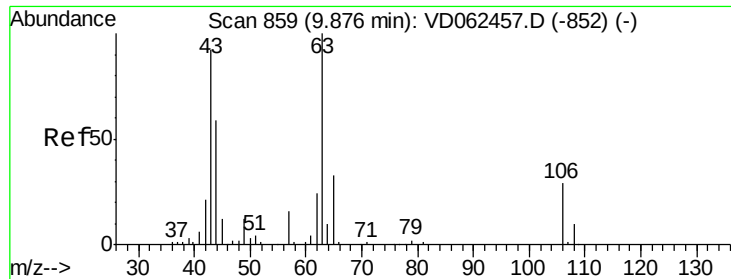
Lab File: VD062506.D

Acq: 22 May 2019 16:48

Tgt Ion: 69 Resp: 12418289

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 124.8 | 56.3  | 84.5# |
| 39  | 49.8  | 29.4  | 44.2# |

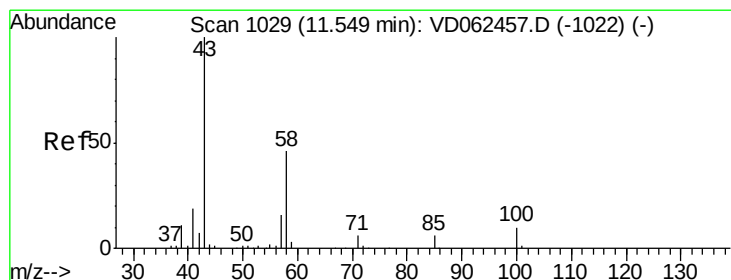
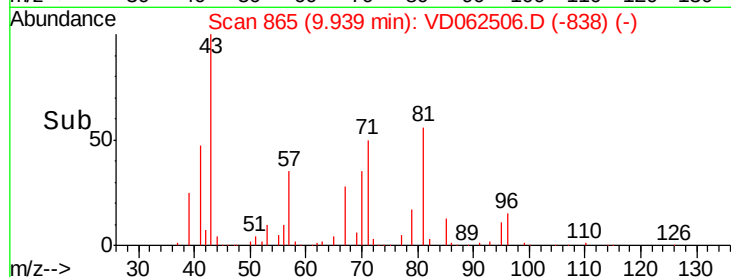
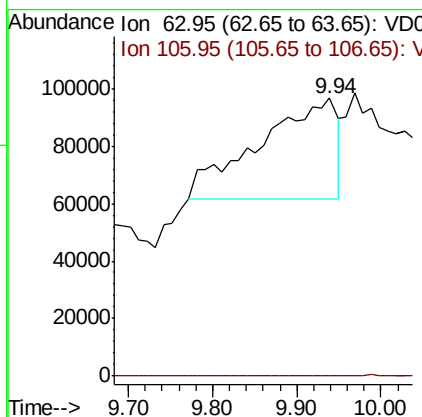
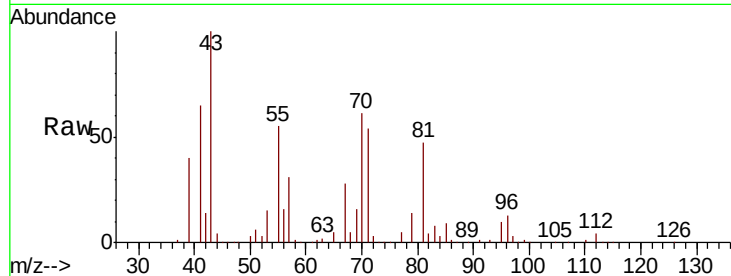




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 1343.976 ug/l  
 RT: 9.94 min Scan# 865  
 Delta R.T. 0.06 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

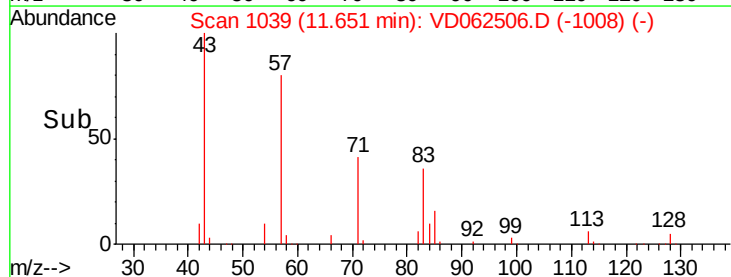
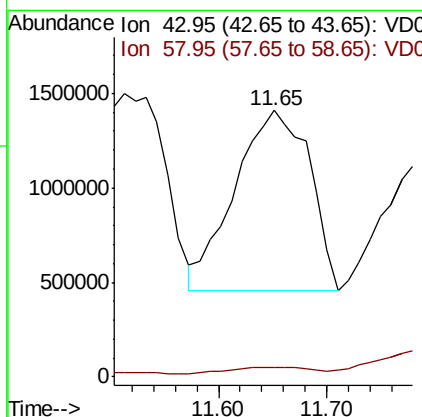
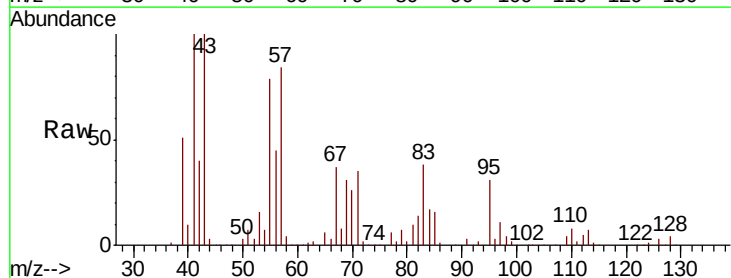
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

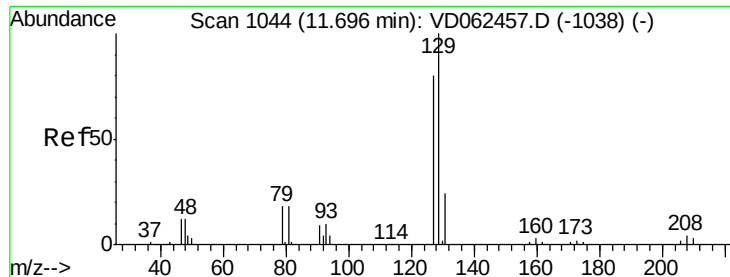
Tot Ion: 63 Resp: 226022  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 22.6 34.0#



#59  
 2-Hexanone  
 Concen: 27394.273 ug/l  
 RT: 11.65 min Scan# 1039  
 Delta R.T. 0.10 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Tgt Ion: 43 Resp: 4563021  
 Ion Ratio Lower Upper  
 43 100  
 58 3.7 25.4 76.4#





#60

Dibromochloromethane

Concen: 41.612 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.11 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

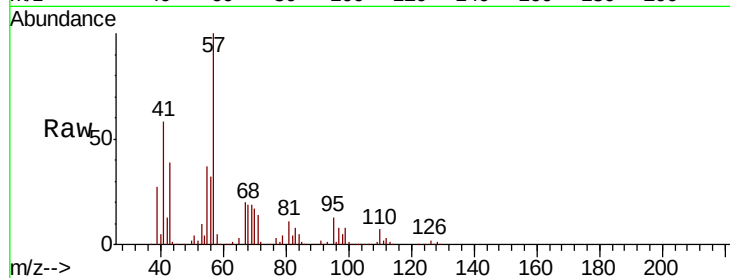
P-3(4.5-5.0)

Tot Ion:129 Resp: 24486

Ion Ratio Lower Upper

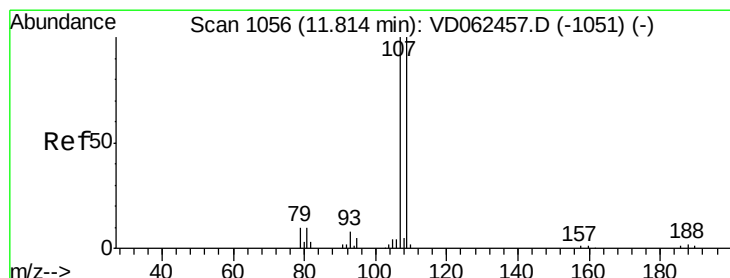
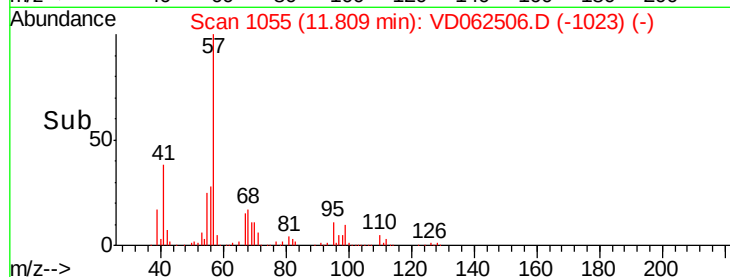
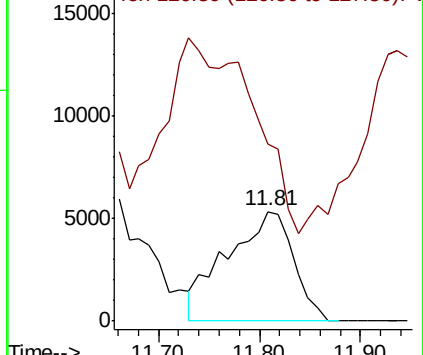
129 100

127 162.1 38.0 113.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 188.108 ug/l

RT: 11.97 min Scan# 1071

Delta R.T. 0.15 min

Lab File: VD062506.D

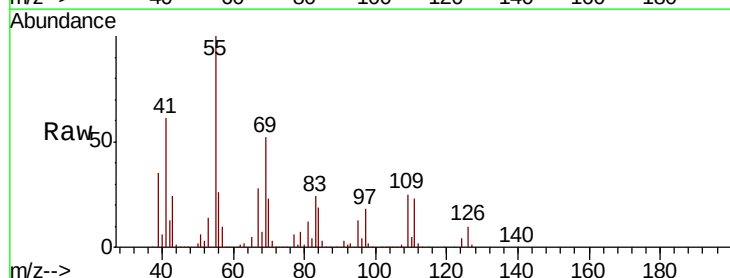
Acq: 22 May 2019 16:48

Tgt Ion:107 Resp: 71021

Ion Ratio Lower Upper

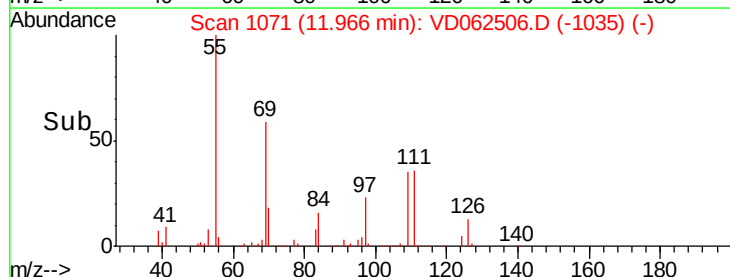
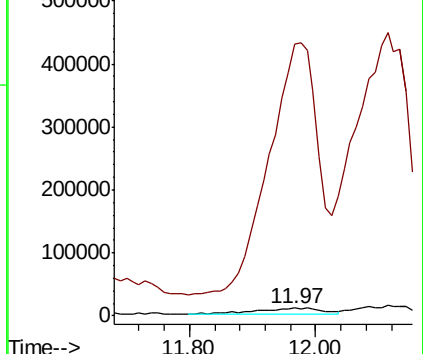
107 100

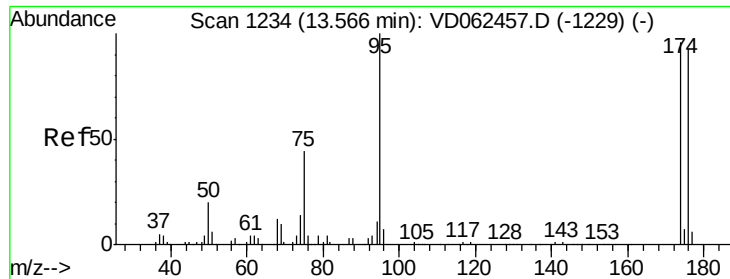
109 3406.7 78.3 117.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 184.921 ug/l

RT: 13.64 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

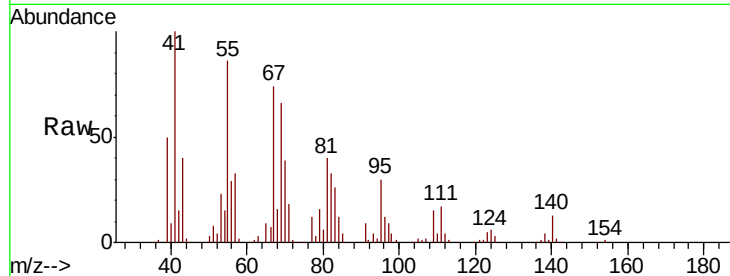
Tot Ion: 95 Resp: 112441

Ion Ratio Lower Upper

95 100

174 0.0 0.0 181.8

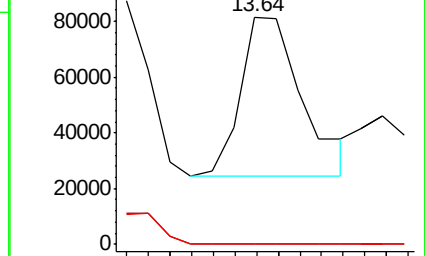
176 0.0 0.0 174.4



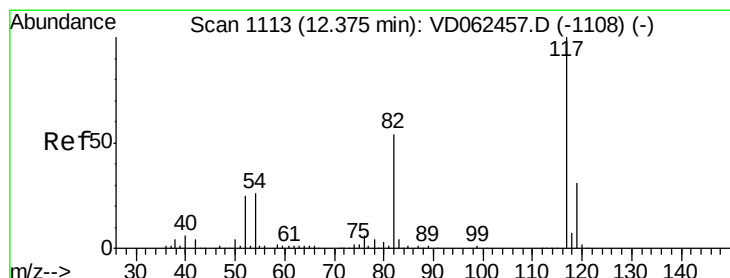
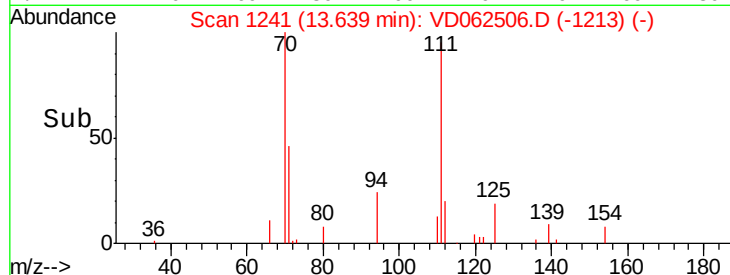
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.48 min Scan# 1123

Delta R.T. 0.10 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

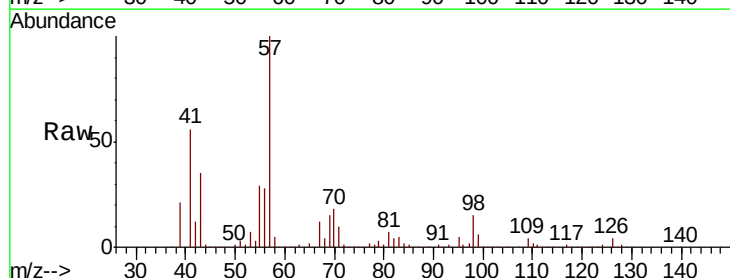
Tgt Ion: 117 Resp: 149475

Ion Ratio Lower Upper

117 100

82 611.0 36.2 54.2#

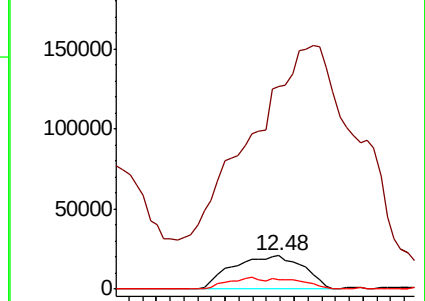
119 29.1 26.2 39.4



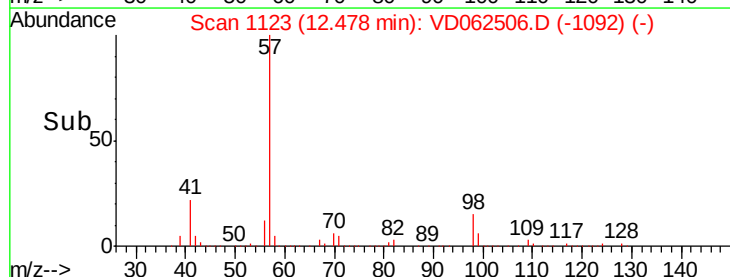
Abundance Ion 116.95 (116.65 to 117.65): V

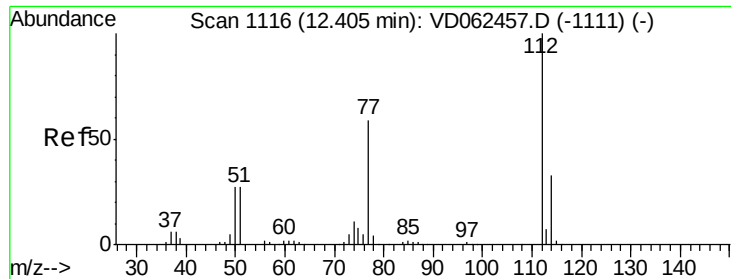
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



Time-->

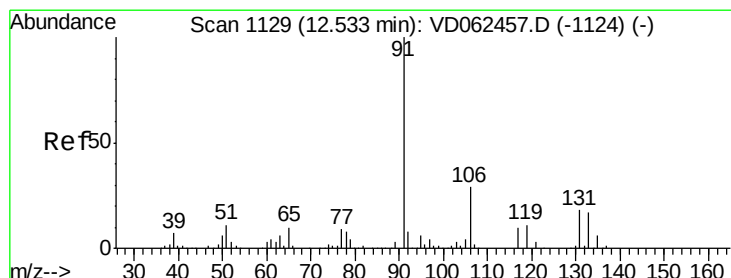
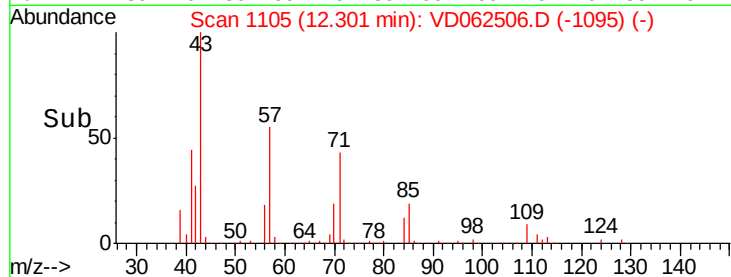
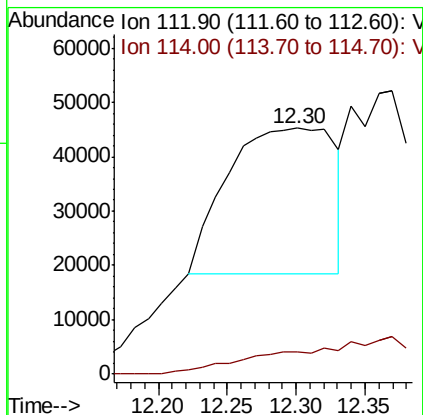
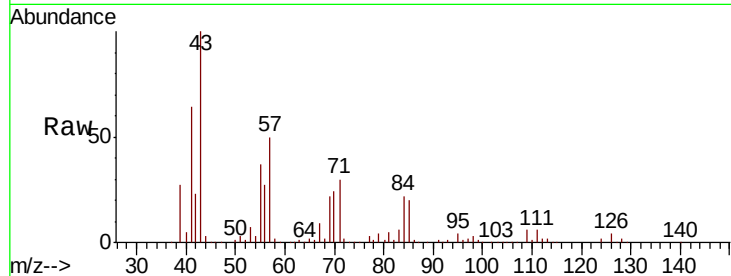




#65  
Chlorobenzene  
Concen: 50.369 ug/l  
RT: 12.30 min Scan# 1105  
Delta R.T. -0.10 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

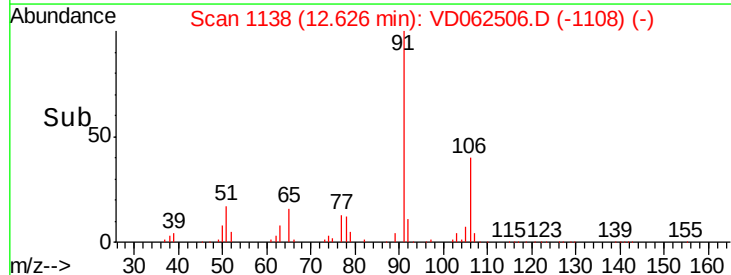
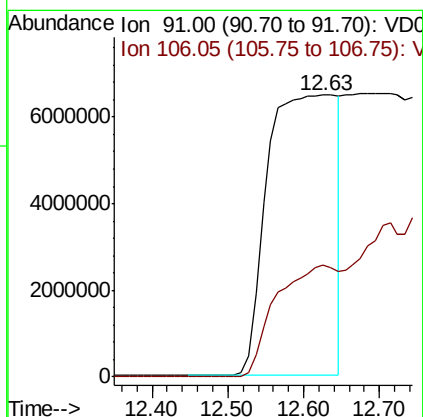
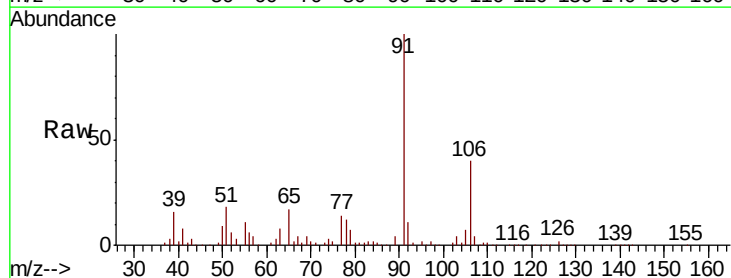
Instrument :  
MSVOA\_D  
ClientSampled :  
P-3(4.5-5.0)

Tot Ion:112 Resp: 144784  
Ion Ratio Lower Upper  
112 100  
114 9.1 25.8 38.8#

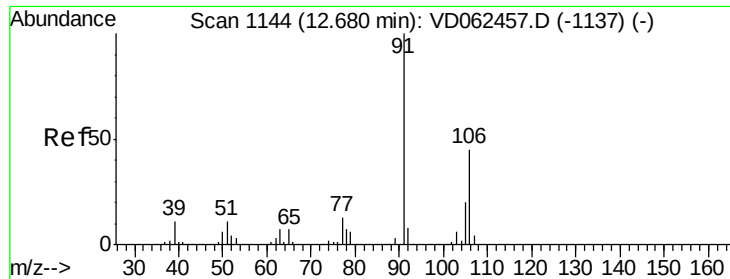


#67  
Ethyl Benzene  
Concen: 8271.489 ug/l  
RT: 12.63 min Scan# 1138  
Delta R.T. 0.09 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Tgt Ion: 91 Resp:40952875  
Ion Ratio Lower Upper  
91 100  
106 39.6 24.7 37.1#



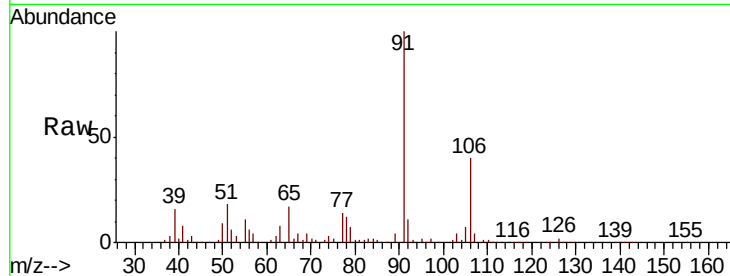




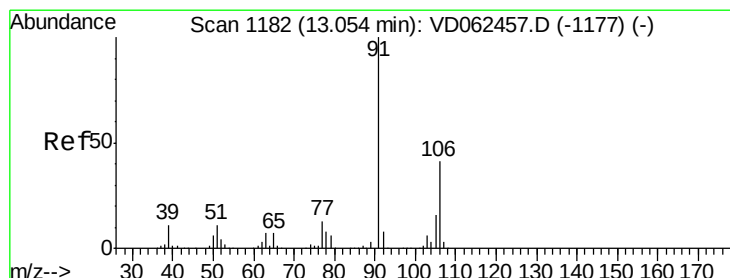
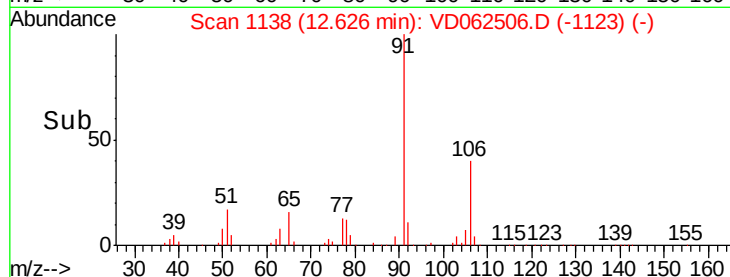
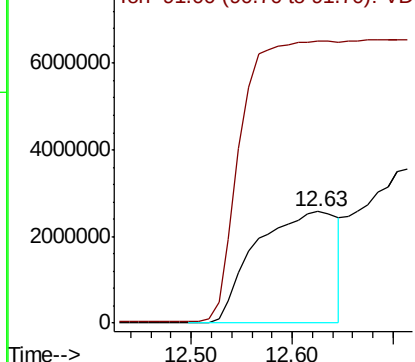
#68  
m/p-Xylenes  
Concen: 8085.513 ug/l  
RT: 12.63 min Scan# 1138  
Delta R.T. -0.05 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
P-3(4.5-5.0)

Tot Ion:106 Resp:14369950  
Ion Ratio Lower Upper  
106 100  
91 252.8 164.0 246.0#

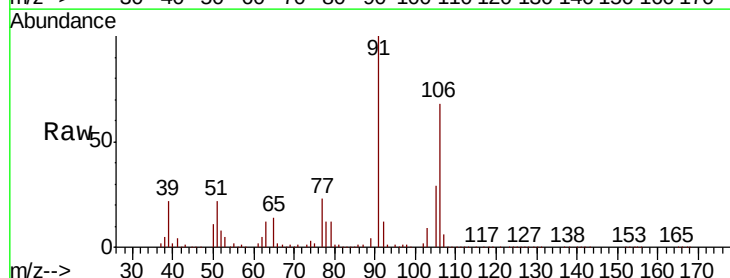


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

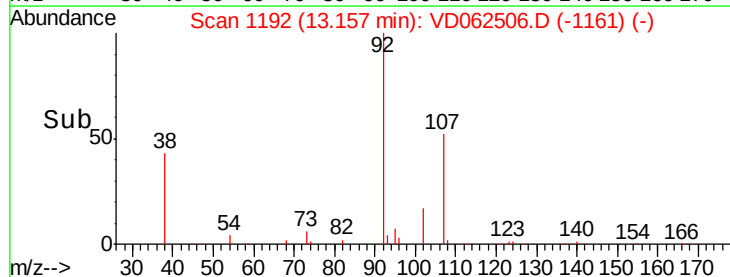
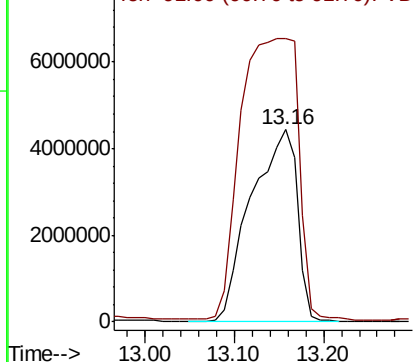


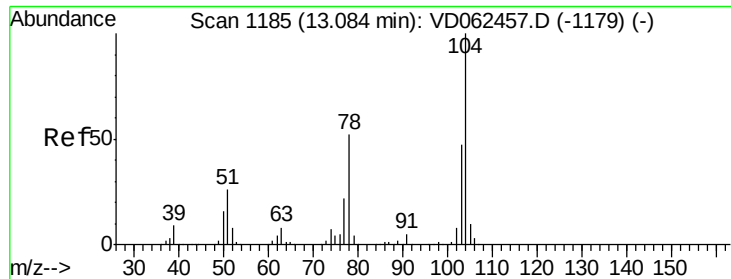
#69  
o-Xylene  
Concen: 9442.231 ug/l  
RT: 13.16 min Scan# 1192  
Delta R.T. 0.10 min  
Lab File: VD062506.D  
Acq: 22 May 2019 16:48

Tgt Ion:106 Resp:15833490  
Ion Ratio Lower Upper  
106 100  
91 147.4 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC





#70

Stvrene

Concen: 41.384 ug/l

RT: 13.11 min Scan# 1187

Delta R.T. 0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampled :

P-3(4.5-5.0)

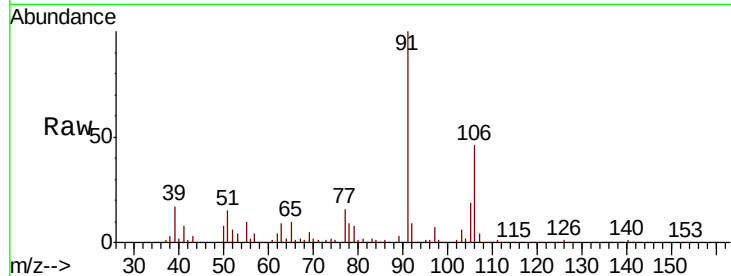
Tot Ion:104 Resp: 118055

Ion Ratio Lower Upper

104 100

78 350.2 35.4 53.2#

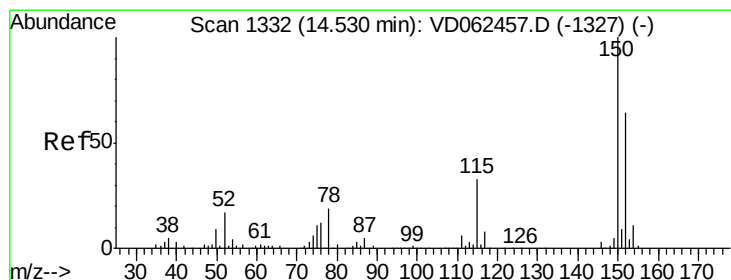
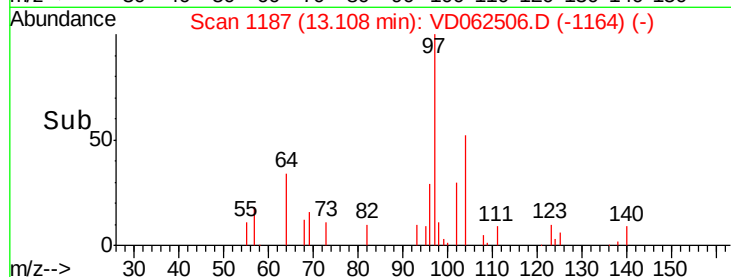
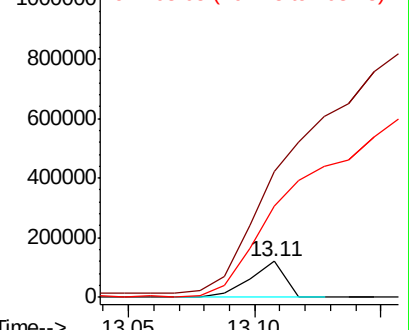
103 253.3 37.5 56.3#



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VD

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

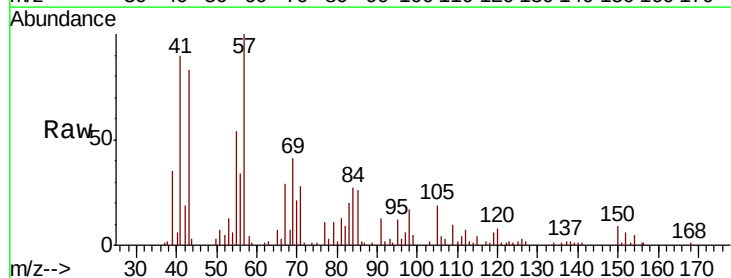
Tgt Ion:152 Resp: 4454

Ion Ratio Lower Upper

152 100

115 62.4 30.9 92.7

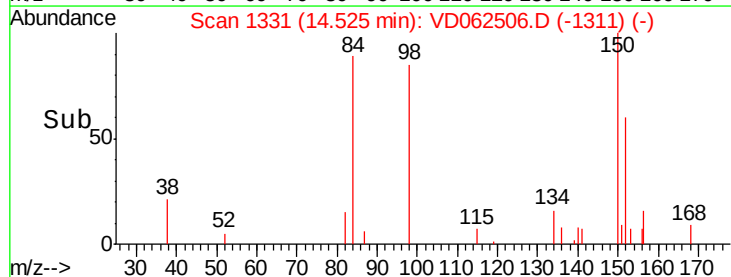
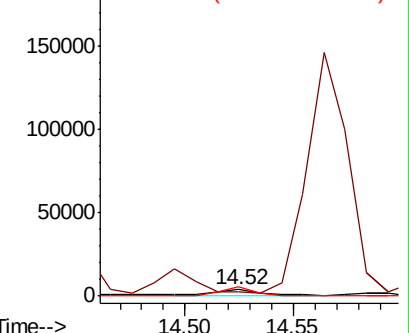
150 143.6 0.0 314.8

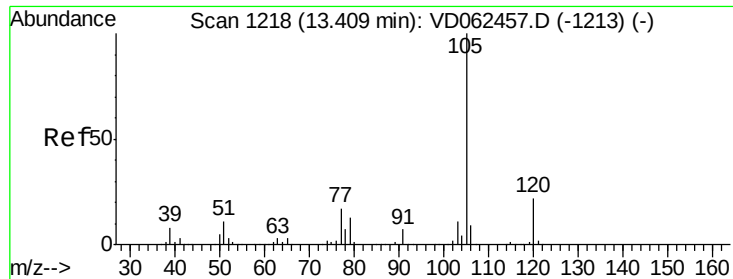


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37082.017 ug/l

RT: 13.44 min Scan# 1221

Delta R.T. 0.03 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

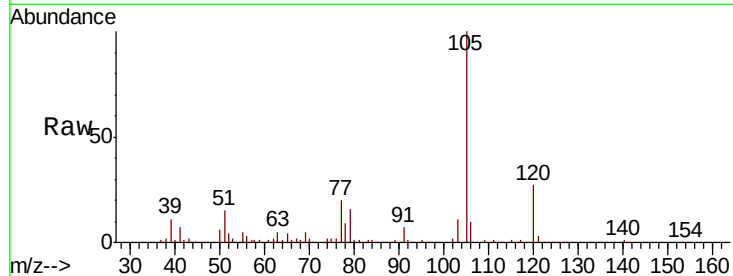
P-3(4.5-5.0)

Tot Ion:105 Resp:10410868

Ion Ratio Lower Upper

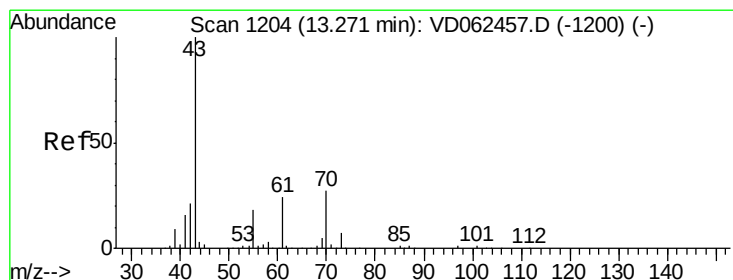
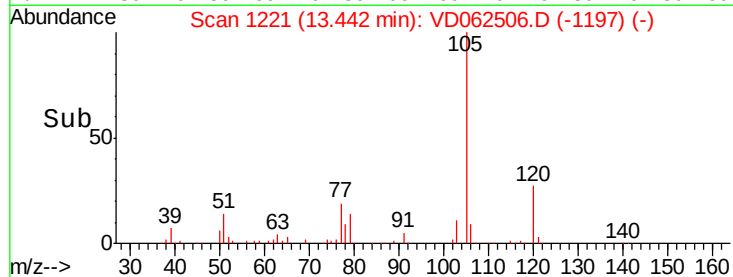
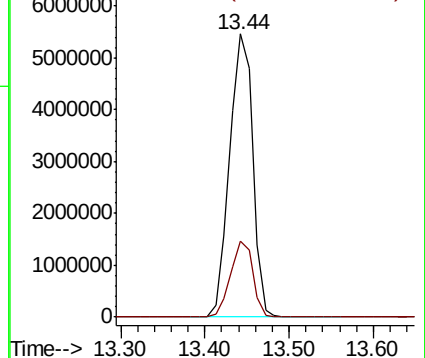
105 100

120 26.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 12967.924 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Tgt Ion: 43 Resp: 899210

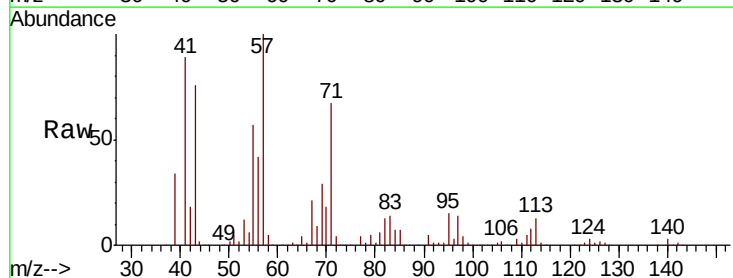
Ion Ratio Lower Upper

43 100

70 24.3 24.2 36.4

55 75.8 16.0 24.0#

61 0.2 21.6 32.4#

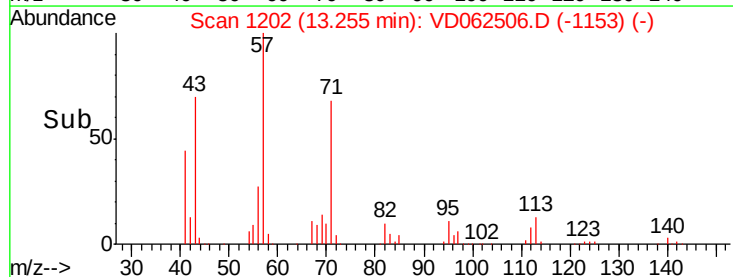
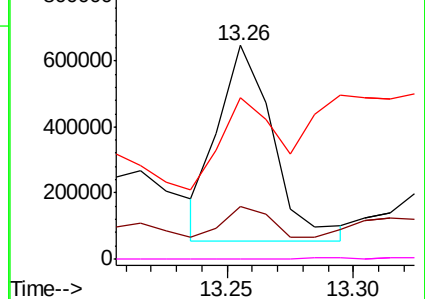


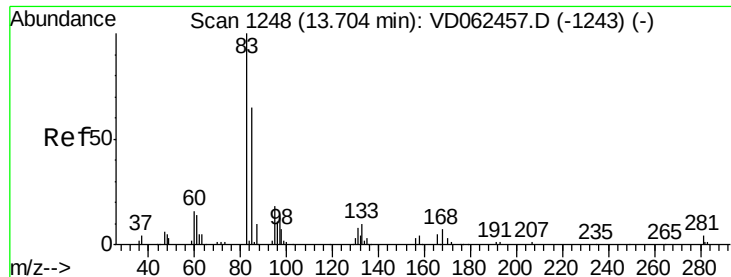
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1678.169 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

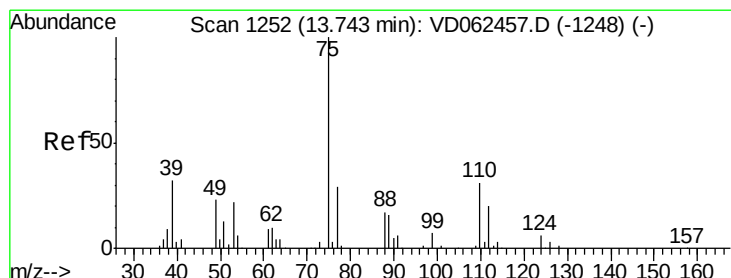
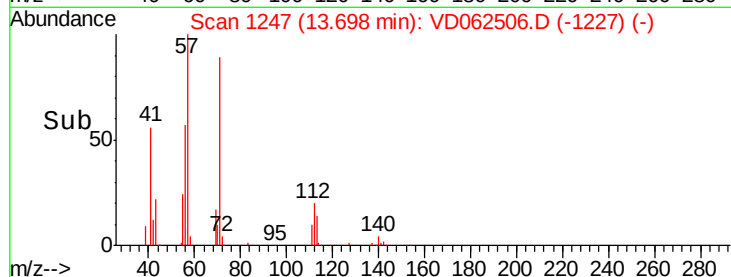
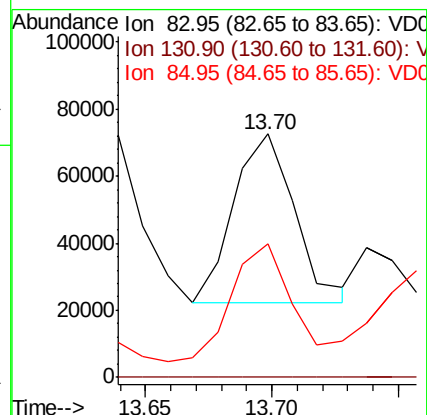
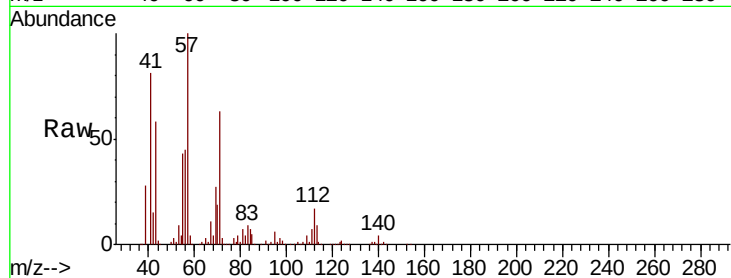
Tot Ion: 83 Resp: 84999

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 54.9 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 1773.253 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.05 min

Lab File: VD062506.D

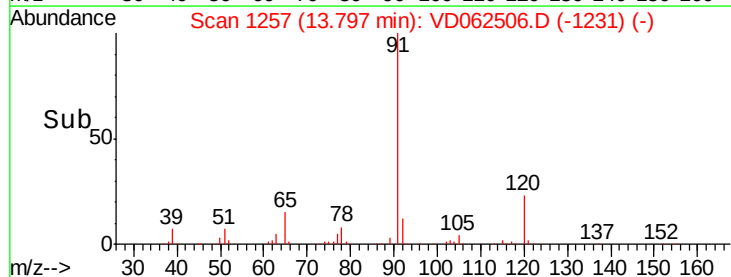
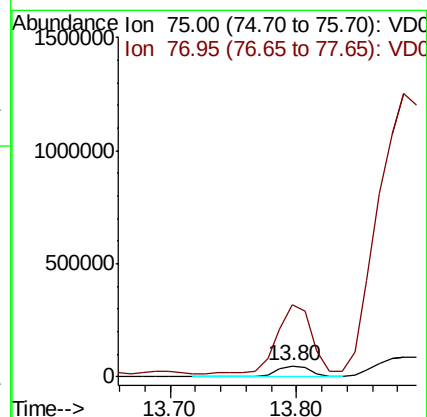
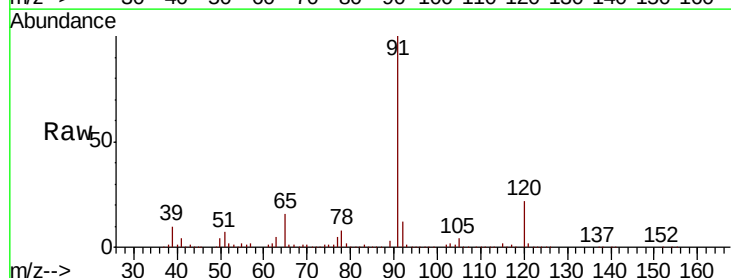
Acq: 22 May 2019 16:48

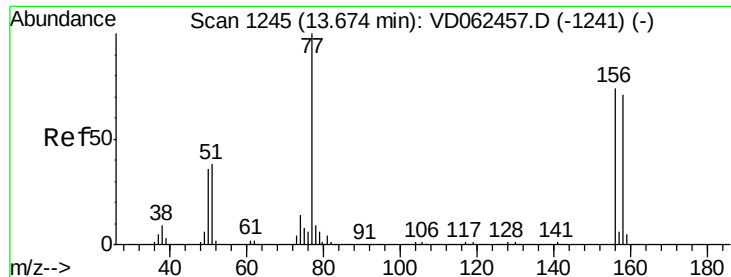
Tgt Ion: 75 Resp: 93030

Ion Ratio Lower Upper

75 100

77 654.7 16.4 49.4#





#77

Bromobenzene

Concen: 12.556 ug/l

RT: 13.60 min Scan# 1237

Delta R.T. -0.07 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

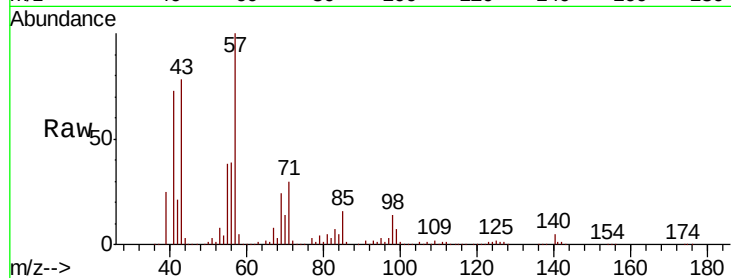
Tot Ion:156 Resp: 1000

Ion Ratio Lower Upper

156 100

77 5443.2 53.1 159.4#

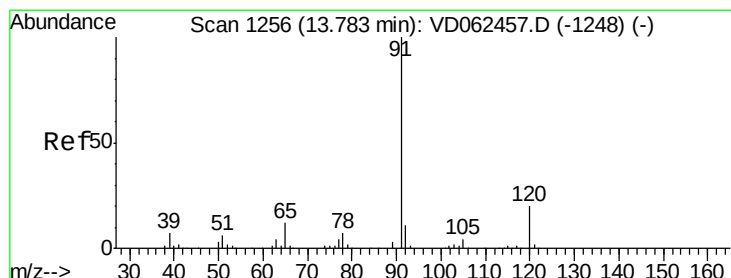
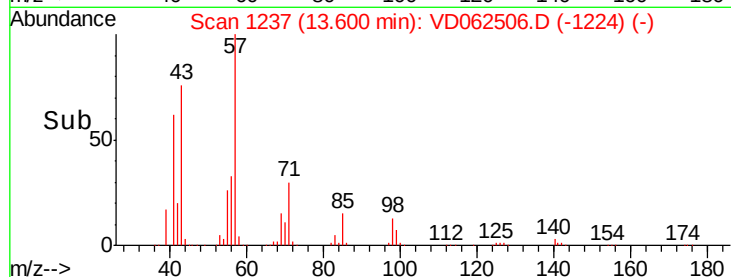
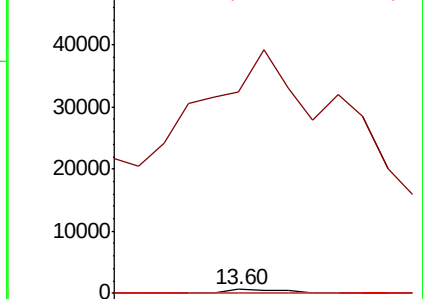
158 0.0 49.4 148.0#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 36756.242 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VD062506.D

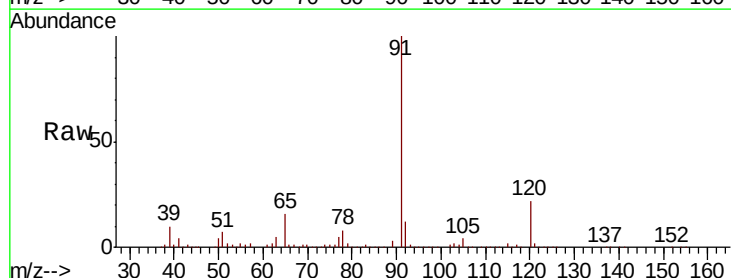
Acq: 22 May 2019 16:48

Tgt Ion: 91 Resp:11953313

Ion Ratio Lower Upper

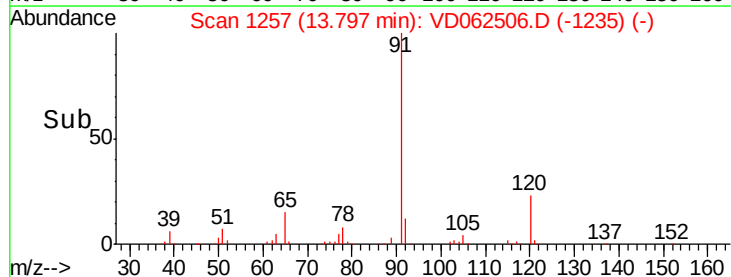
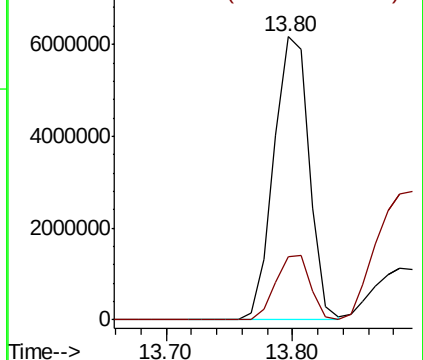
91 100

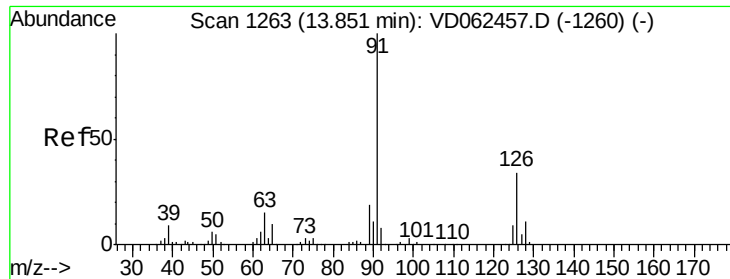
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

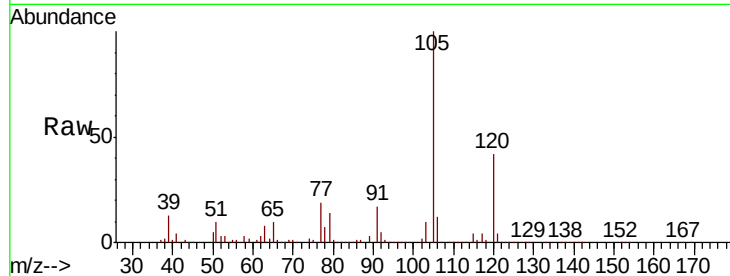




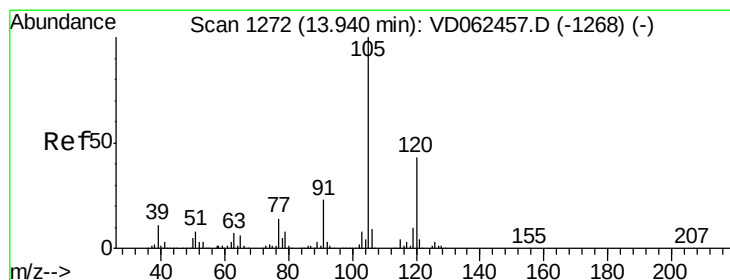
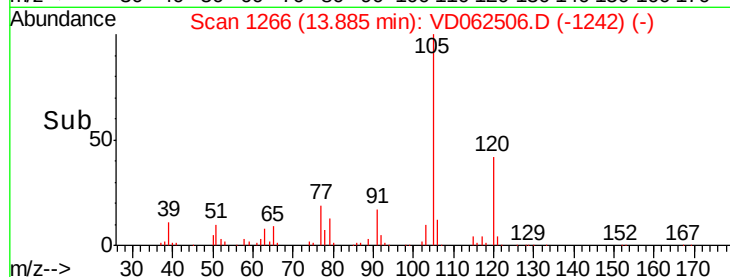
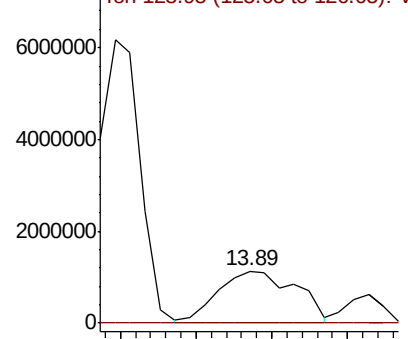
#79  
 2-Chlorotoluene  
 Concen: 20224.074 ug/l  
 RT: 13.89 min Scan# 1266  
 Delta R.T. 0.03 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

Tot Ion: 91 Resp: 3991306  
 Ion Ratio Lower Upper  
 91 100  
 126 0.1 18.6 55.8#

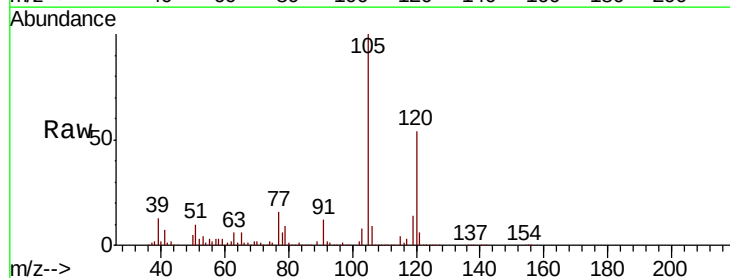


Abundance Ion 91.00 (90.70 to 91.70): V

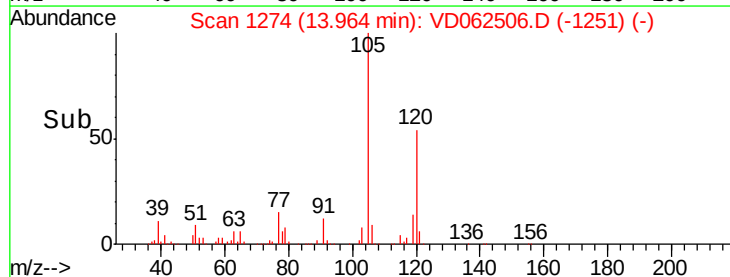
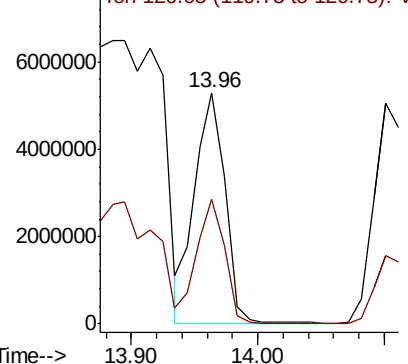


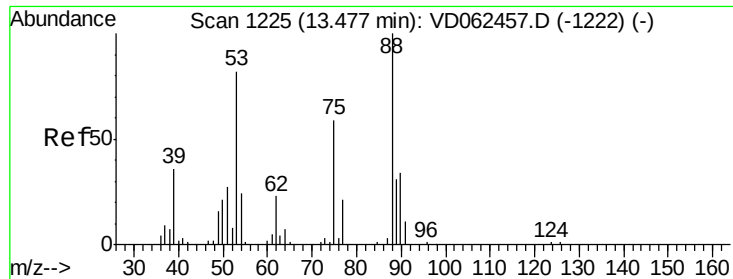
#80  
 1,3,5-Trimethylbenzene  
 Concen: 36319.424 ug/l  
 RT: 13.96 min Scan# 1274  
 Delta R.T. 0.02 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Tgt Ion:105 Resp: 8828869  
 Ion Ratio Lower Upper  
 105 100  
 120 53.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

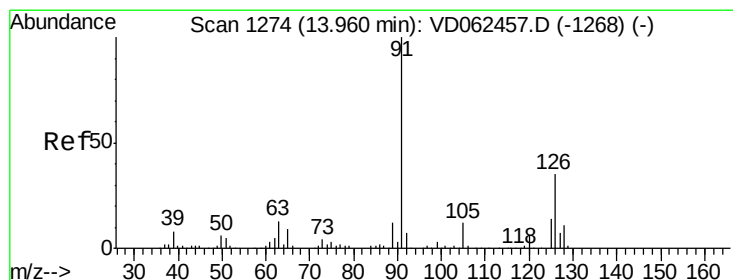
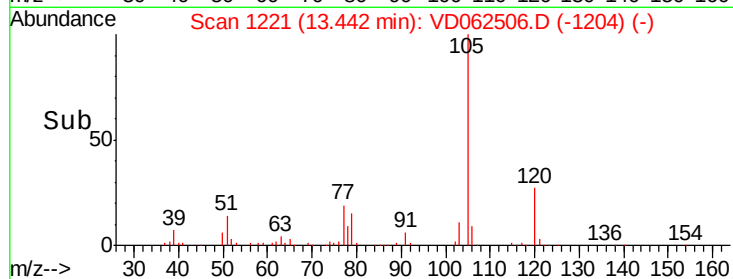
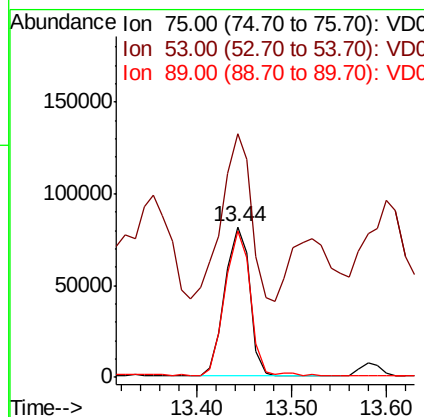
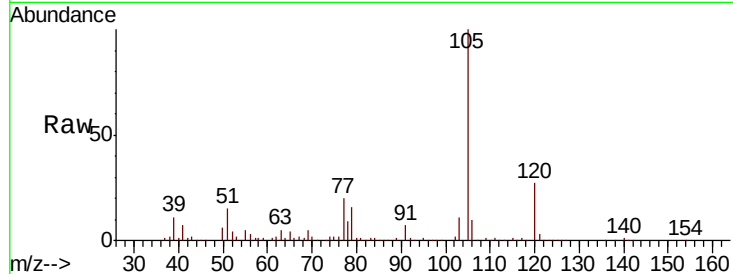




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 10085.453 ug/l  
 RT: 13.44 min Scan# 1221  
 Delta R.T. -0.04 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

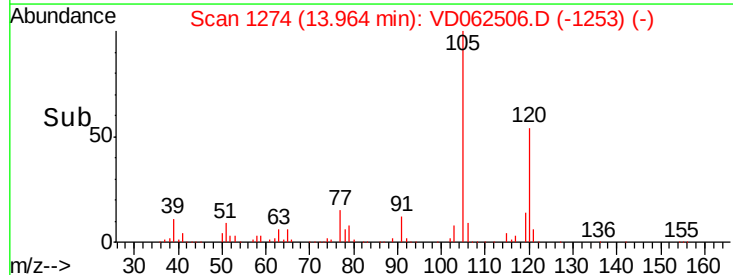
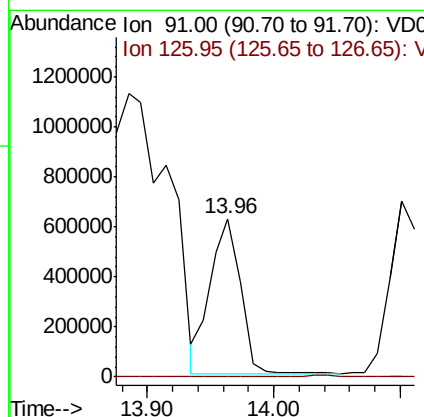
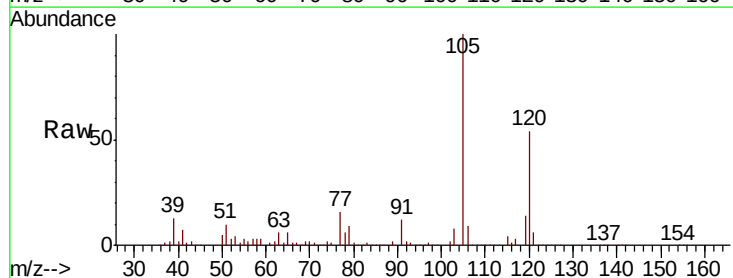
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P-3(4.5-5.0)

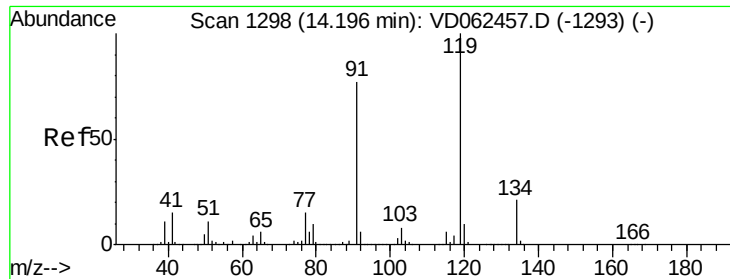
Tot Ion: 75 Resp: 149224  
 Ion Ratio Lower Upper  
 75 100  
 53 161.7 65.8 98.8#  
 89 97.1 35.0 52.6#



#82  
 4-Chlorotoluene  
 Concen: 4561.480 ug/l  
 RT: 13.96 min Scan# 1274  
 Delta R.T. 0.00 min  
 Lab File: VD062506.D  
 Acq: 22 May 2019 16:48

Tgt Ion: 91 Resp: 1036748  
 Ion Ratio Lower Upper  
 91 100  
 126 0.1 19.1 57.5#





#83

tert-Butylbenzene

Concen: 8283.937 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.07 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

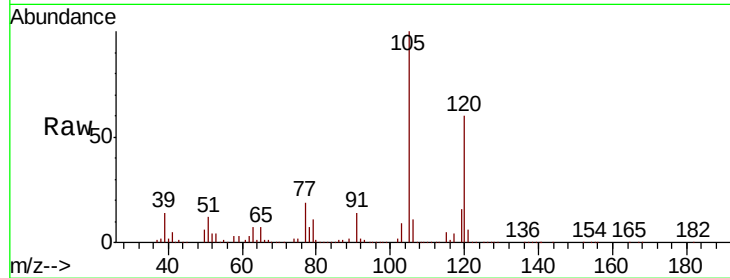
Tot Ion:119 Resp: 2233714

Ion Ratio Lower Upper

119 100

91 87.1 34.2 102.6

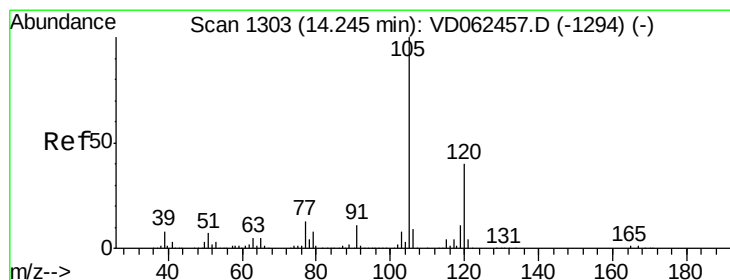
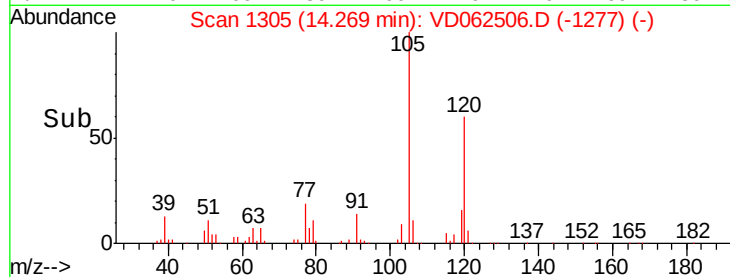
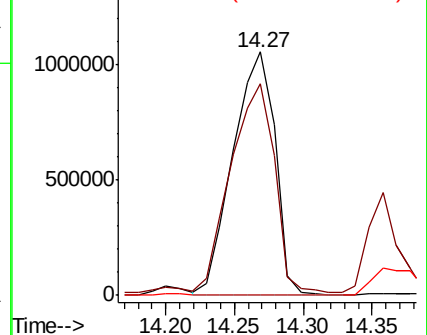
134 0.0 12.0 36.0#



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 64174.497 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.02 min

Lab File: VD062506.D

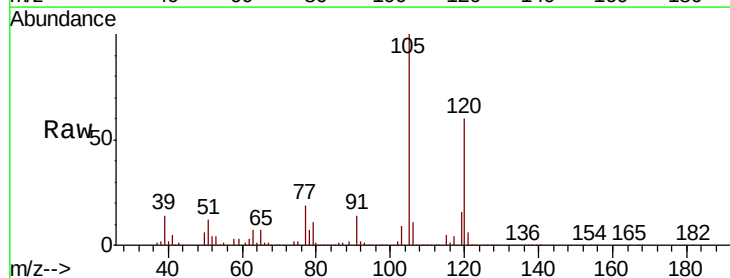
Acq: 22 May 2019 16:48

Tgt Ion:105 Resp:15985091

Ion Ratio Lower Upper

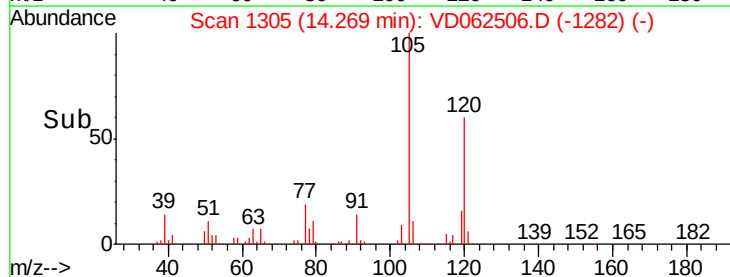
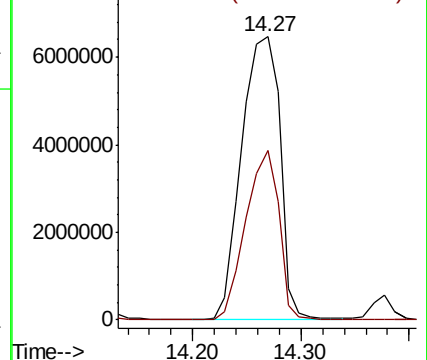
105 100

120 59.8 23.1 69.2

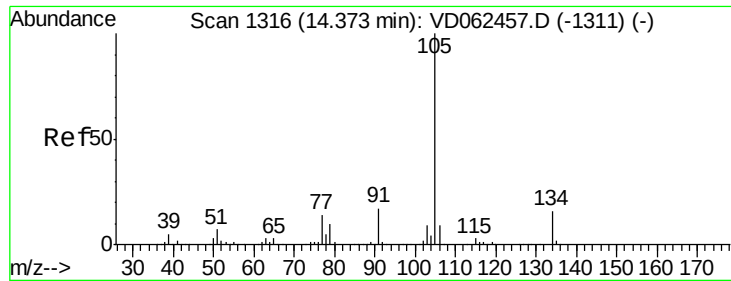


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V







#85

sec-Butylbenzene

Concen: 2570.142 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

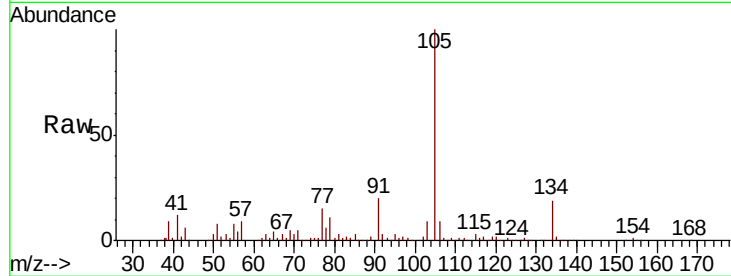
P-3(4.5-5.0)

Tot Ion:105 Resp: 722625

Ion Ratio Lower Upper

105 100

134 18.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.38

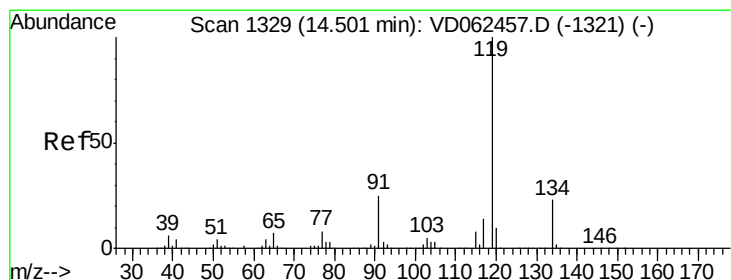
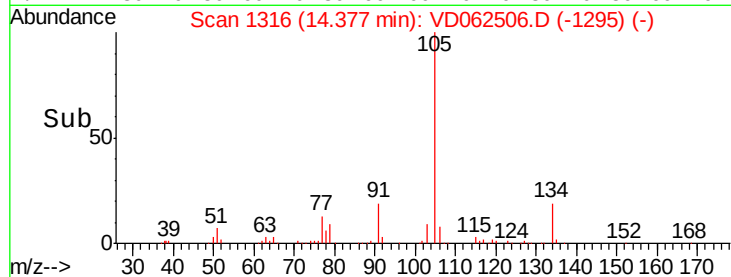
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 846.858 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

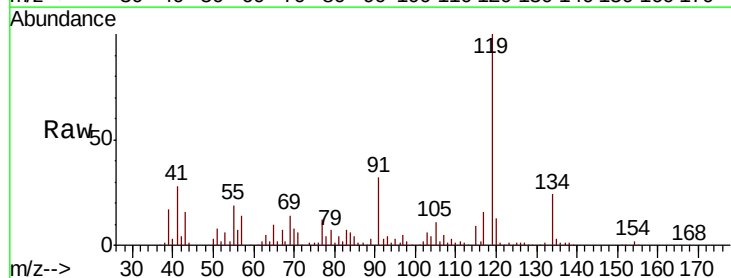
Tgt Ion:119 Resp: 215776

Ion Ratio Lower Upper

119 100

134 23.5 12.8 38.3

91 31.9 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

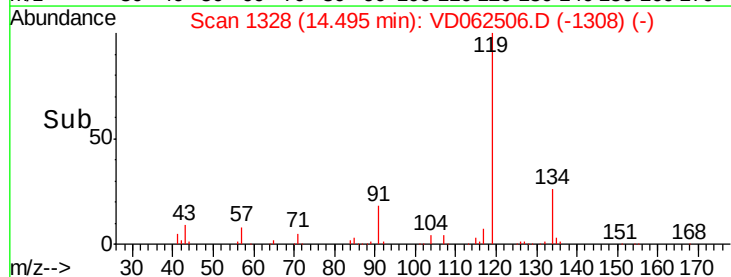
600000

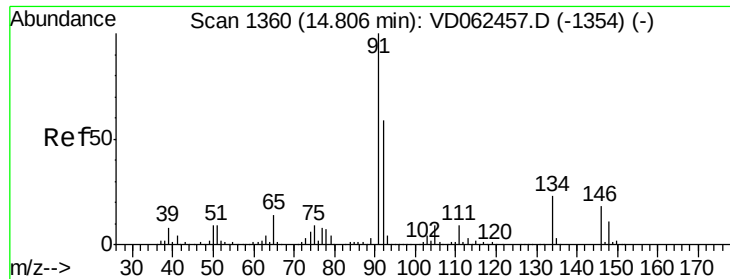
400000

200000

0

Time-->





#89

n-Butylbenzene

Concen: 3983.268 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

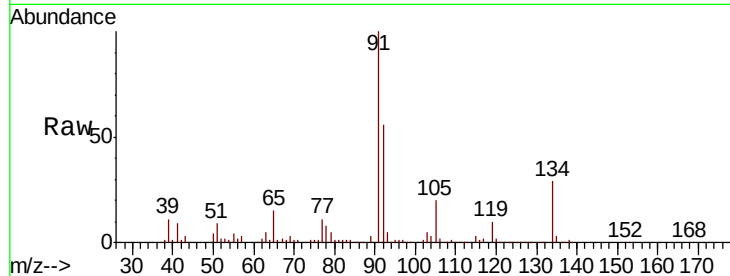
Tot Ion: 91 Resp: 979484

Ion Ratio Lower Upper

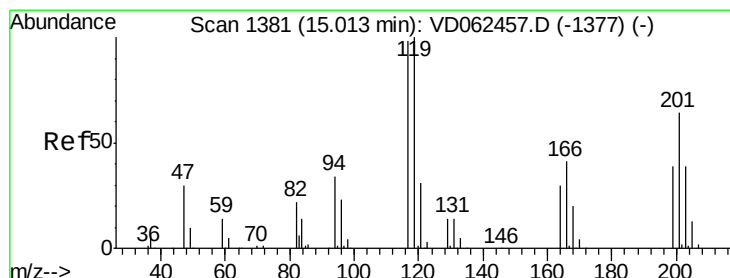
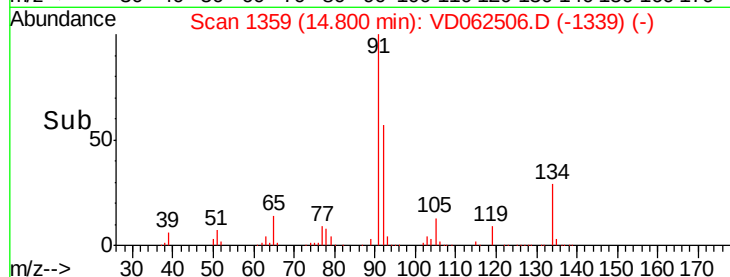
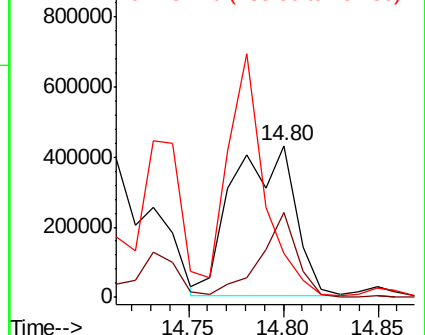
91 100

92 56.1 30.3 91.0

134 28.7 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 92.00 (91.70 to 92.70): VDC  
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 2423.357 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.04 min

Lab File: VD062506.D

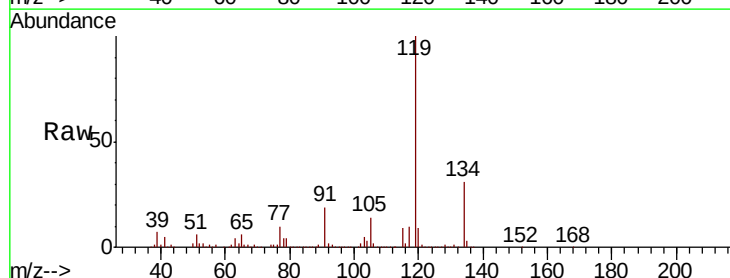
Acq: 22 May 2019 16:48

Tgt Ion: 117 Resp: 170646

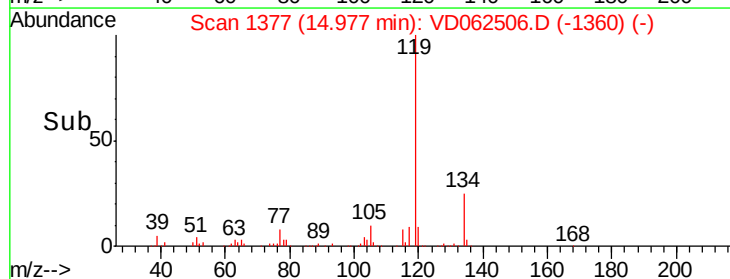
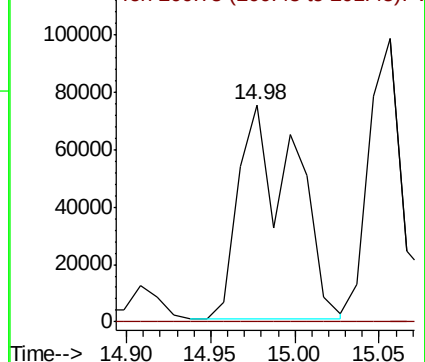
Ion Ratio Lower Upper

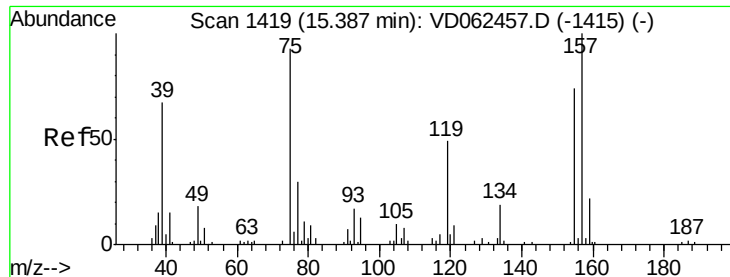
117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 200.75 (200.45 to 201.45): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 485.540 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

Instrument :

MSVOA\_D

ClientSampleId :

P-3(4.5-5.0)

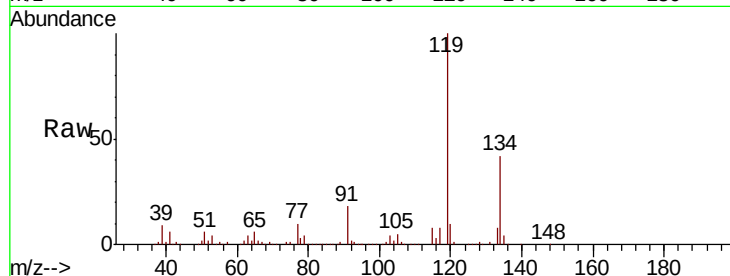
Tot Ion: 75 Resp: 4668

Ion Ratio Lower Upper

75 100

155 0.0 55.3 165.8#

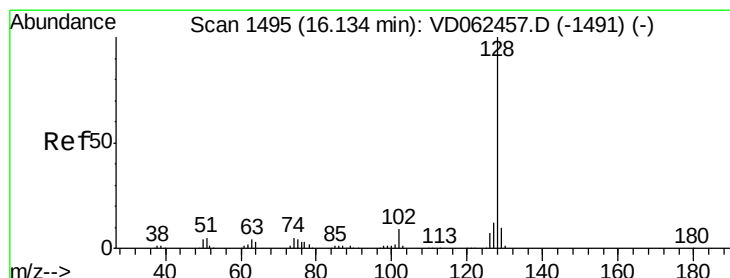
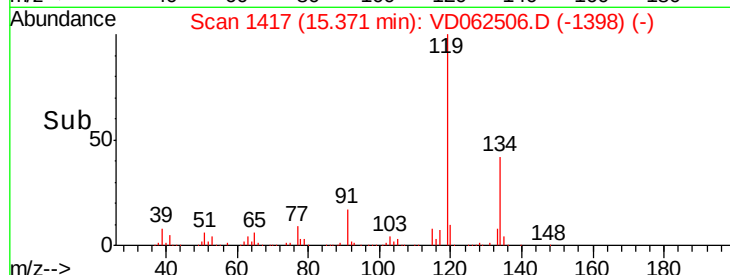
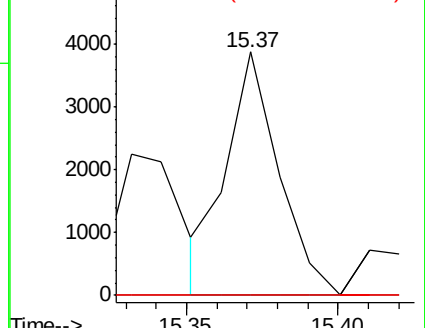
157 0.0 67.8 203.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 1468.915 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD062506.D

Acq: 22 May 2019 16:48

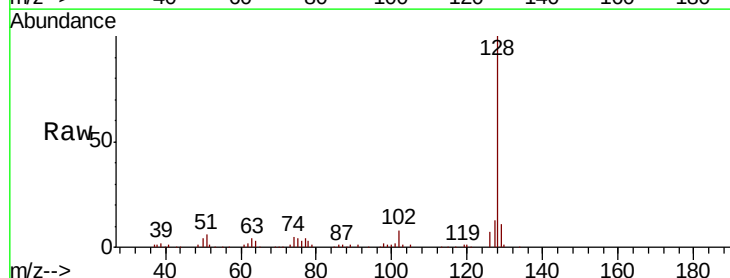
Tgt Ion: 128 Resp: 189007

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.8

129 10.8 8.8 13.2



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

