

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\  
 Data File : VD059913.D  
 Acq On : 27 Aug 2018 13:59  
 Operator : JC/SY  
 Sample : J4629-02RE  
 Misc : 9.94g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 27 14:51:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 03:03:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.39  | 168  | 15739    | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 7.42  | 114  | 27939    | 50.00 | ug/l  | -0.03    |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 26862    | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 12911    | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.76  | 65   | 13977    | 105.36 | ug/l    | -0.04    |
| Spiked Amount               |       |      | Recovery | =      | 210.72% |          |
| 35) Dibromofluoromethane    | 6.30  | 113  | 11042    | 50.41  | ug/l    | -0.04    |
| Spiked Amount               |       |      | Recovery | =      | 100.82% |          |
| 50) Toluene-d8              | 9.44  | 98   | 25830    | 42.49  | ug/l    | -0.03    |
| Spiked Amount               |       |      | Recovery | =      | 84.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 12060    | 48.84  | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =      | 97.68%  |          |

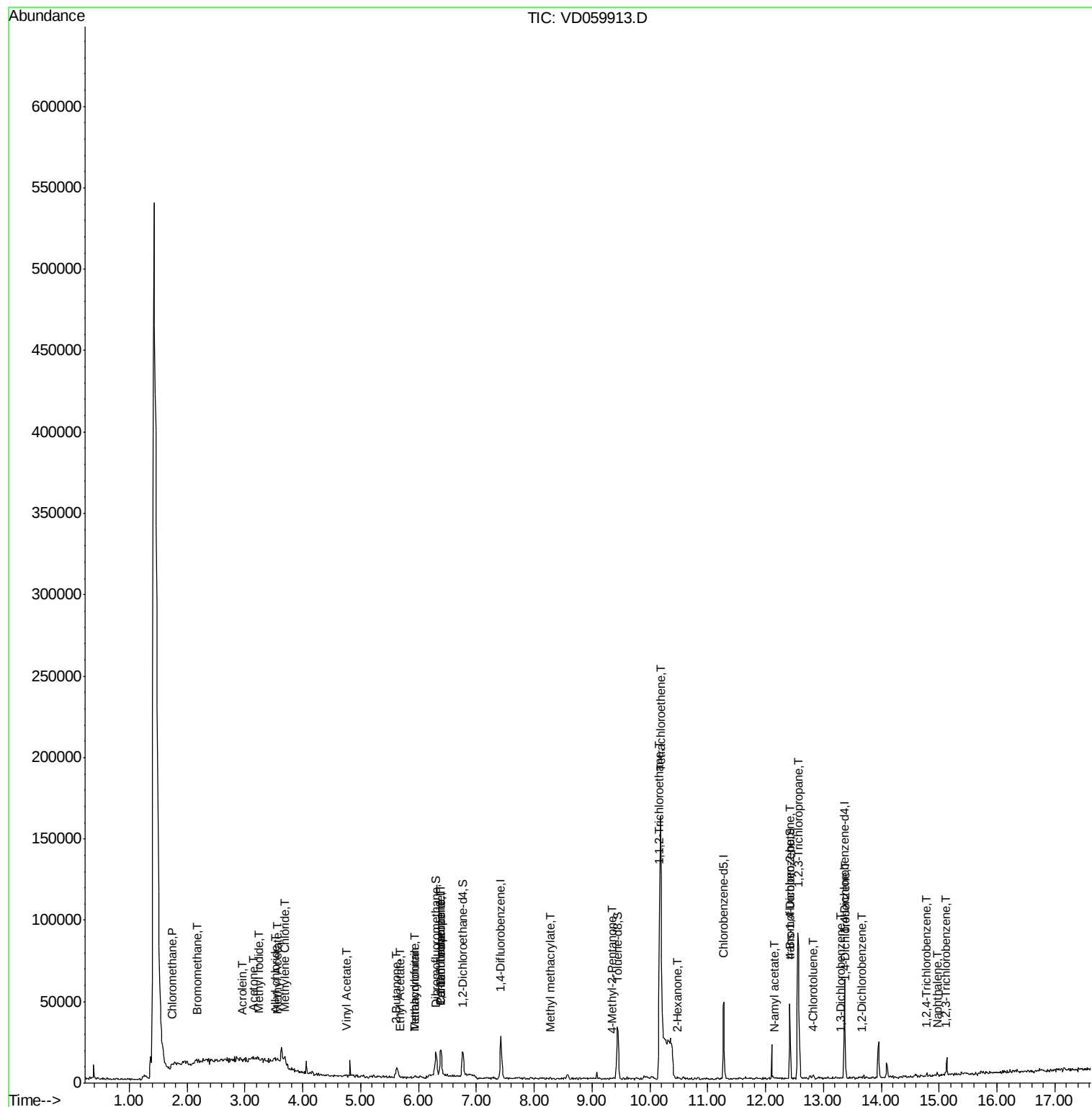
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.73  | 50   | 840      | 6.591     | ug/l # | 41     |
| 5) Bromomethane                | 2.16  | 94   | 1551     | 89.892    | ug/l # | 64     |
| 10) Methyl Iodide              | 3.25  | 142  | 594      | 10.795    | ug/l # | 51     |
| 13) Acrolein                   | 2.94  | 56   | 466      | 106.147   | ug/l   | 84     |
| 14) Allyl chloride             | 3.51  | 41   | 1041     | 8.348     | ug/l # | 79     |
| 16) Acetone                    | 3.14  | 43   | 1782     | 73.733    | ug/l # | 54     |
| 18) Methyl Acetate             | 3.55  | 43   | 2839     | 56.271    | ug/l # | 66     |
| 20) Methylene Chloride         | 3.69  | 84   | 1497     | 6.005     | ug/l # | 63     |
| 23) Vinyl Acetate              | 4.74  | 43   | 474      | 1.333     | ug/l # | 81     |
| 25) 2-Butanone                 | 5.61  | 43   | 1537     | 21.473    | ug/l # | 63     |
| 29) Tetrahydrofuran            | 5.93  | 42   | 1168     | 34.275    | ug/l # | 43     |
| 36) 1,1-Dichloropropene        | 6.38  | 75   | 913      | 3.605     | ug/l # | 40     |
| 37) Ethyl Acetate              | 5.68  | 43   | 1486     | 7.540     | ug/l # | 71     |
| 38) Carbon Tetrachloride       | 6.38  | 117  | 820      | 3.208     | ug/l # | 12     |
| 41) Methacrylonitrile          | 5.93  | 41   | 423      | 4.261     | ug/l # | 39     |
| 48) Methyl methacrylate        | 8.29  | 41   | 397      | 2.656     | ug/l # | 22     |
| 51) 4-Methyl-2-Pentanone       | 9.34  | 43   | 916      | 4.792     | ug/l # | 41     |
| 55) 1,1,2-Trichloroethane      | 10.16 | 97   | 469      | 3.038     | ug/l # | 16     |
| 59) 2-Hexanone                 | 10.47 | 43   | 1256     | 8.908     | ug/l # | 30     |
| 64) Tetrachloroethene          | 10.17 | 164  | 373      | 1.796     | ug/l # | 1      |
| 74) N-amyl acetate             | 12.14 | 43   | 374      | 1.036     | ug/l # | 53     |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 921      | 4.590     | ug/l # | 42     |
| 81) trans-1,4-Dichloro-2-buten | 12.42 | 75   | 5392     | 86.382    | ug/l # | 12     |
| 82) 4-Chlorotoluene            | 12.80 | 91   | 985      | 1.463     | ug/l # | 41     |
| 87) 1,3-Dichlorobenzene        | 13.30 | 146  | 662      | 1.623     | ug/l # | 25     |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 973      | 2.391     | ug/l # | 75     |
| 89) n-Butylbenzene             | 13.64 | 91   | 191      | Below Cal | #      | 29     |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 478      | 1.378     | ug/l # | 24     |
| 93) 1,2,4-Trichlorobenzene     | 14.78 | 180  | 711      | 2.394     | ug/l # | 88     |
| 95) Naphthalene                | 14.96 | 128  | 2142     | 4.719     | ug/l # | 70     |
| 96) 1,2,3-Trichlorobenzene     | 15.11 | 180  | 571      | 2.248     | ug/l # | 47     |

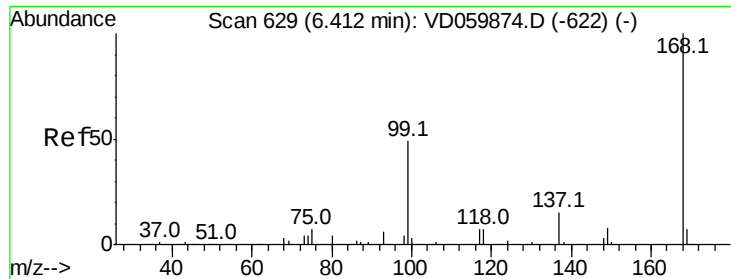
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082718\  
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Operator : JC/SY  
Sample : J4629-02RE  
Misc : 9.94g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

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MSVOA\_D  
ClientSampleId :

Quant Time: Aug 27 14:51:37 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D082218S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 03:03:08 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

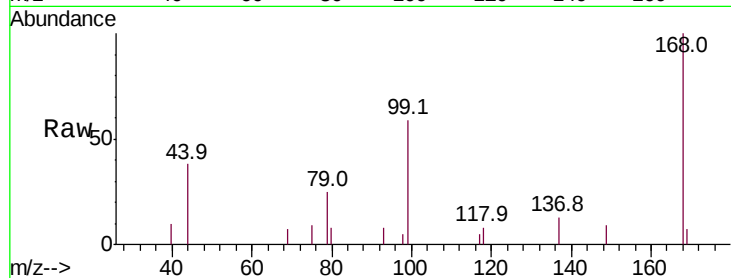
ClientSampled :

Tot Ion:168 Resp: 15739

Ion Ratio Lower Upper

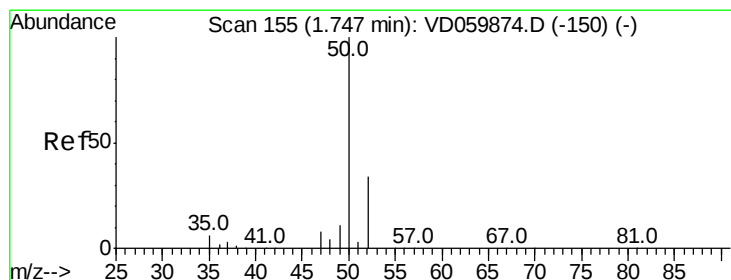
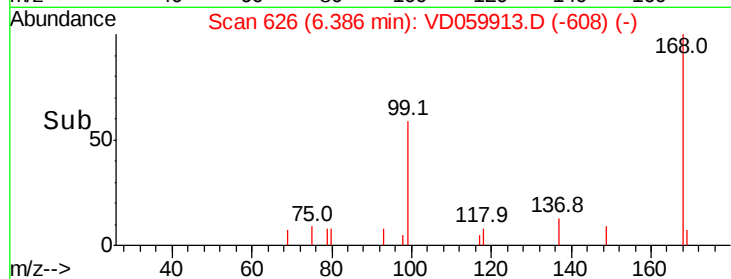
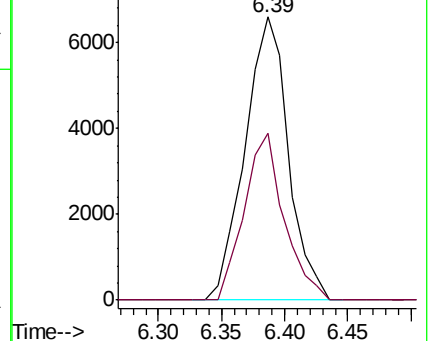
168 100

99 58.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 6.591 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.02 min

Lab File: VD059913.D

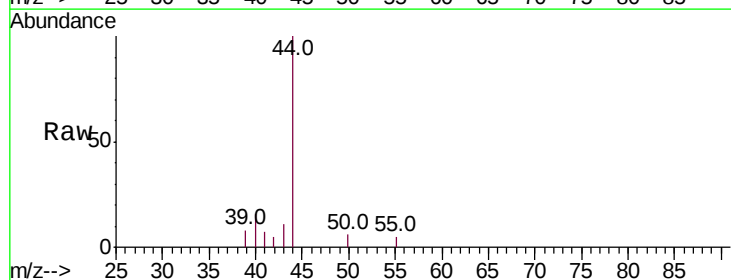
Acq: 27 Aug 2018 13:59

Tgt Ion: 50 Resp: 840

Ion Ratio Lower Upper

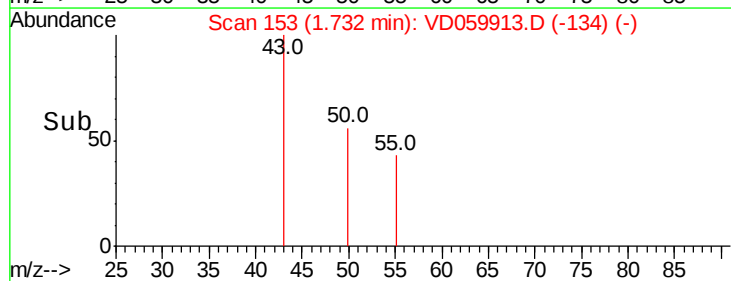
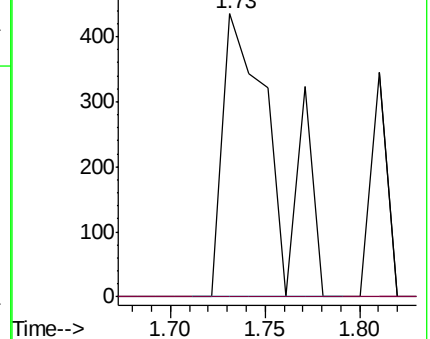
50 100

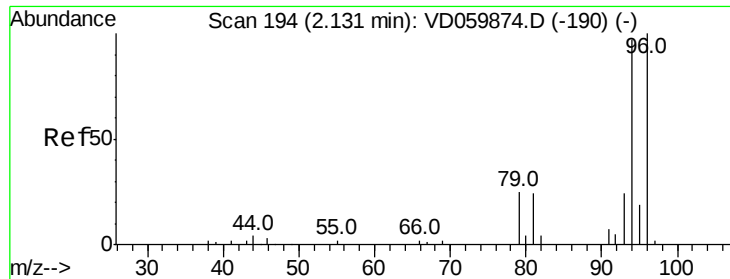
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 89.892 ug/l

RT: 2.16 min Scan# 197

Delta R.T. 0.03 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

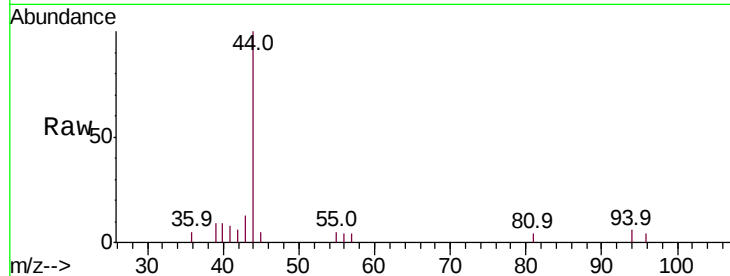
ClientSampled :

Tot Ion: 94 Resp: 1551

Ion Ratio Lower Upper

94 100

96 66.3 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

500

400

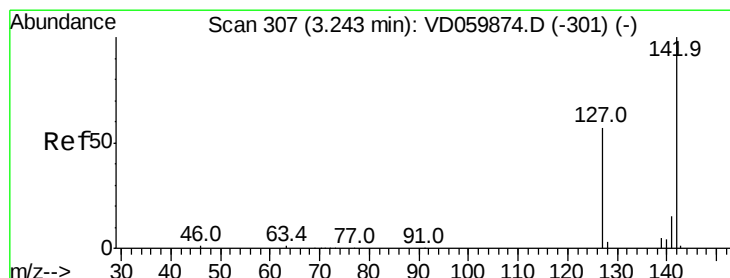
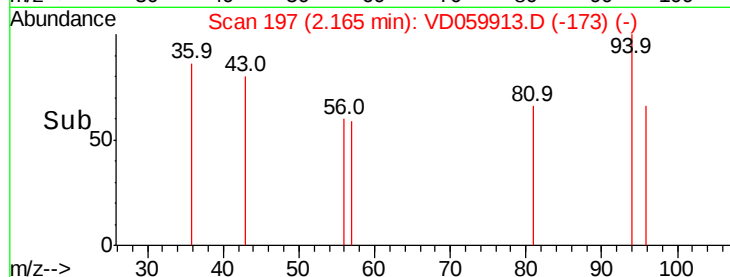
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 10.795 ug/l

RT: 3.25 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

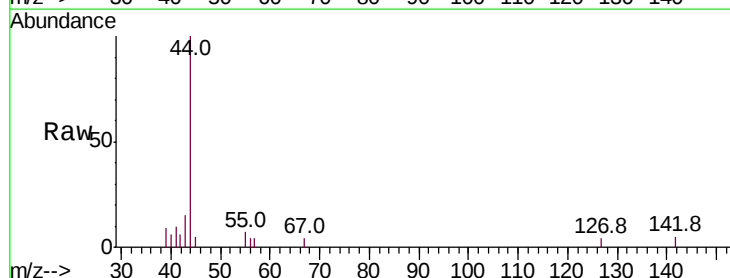
Tgt Ion: 142 Resp: 594

Ion Ratio Lower Upper

142 100

127 95.5 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

400

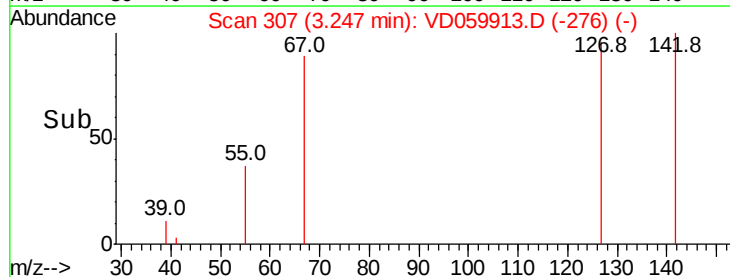
300

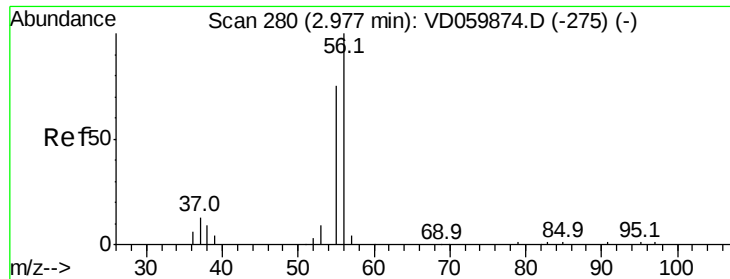
200

100

0

Time-->





#13

Acrolein

Concen: 106.147 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.04 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

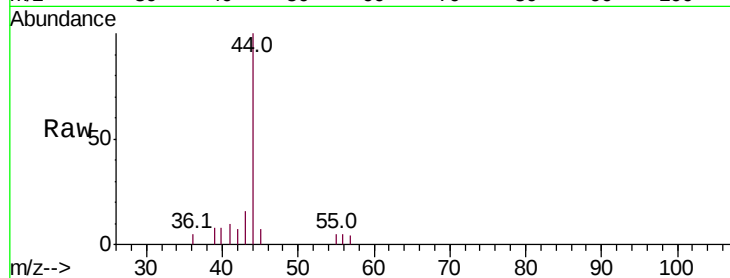
ClientSampled :

Tot Ion: 56 Resp: 466

Ion Ratio Lower Upper

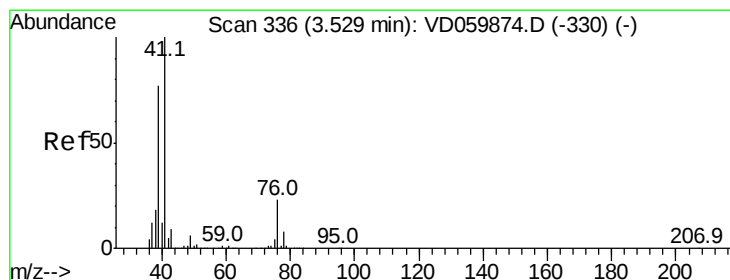
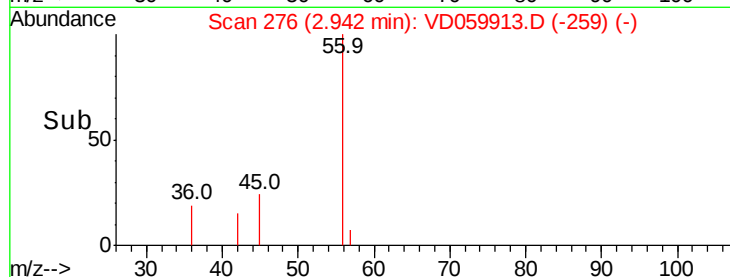
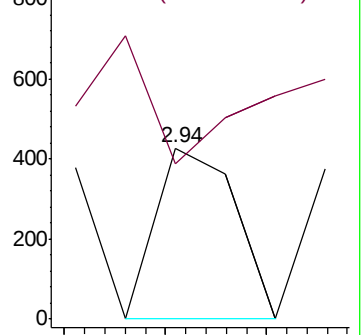
56 100

55 91.1 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 8.348 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

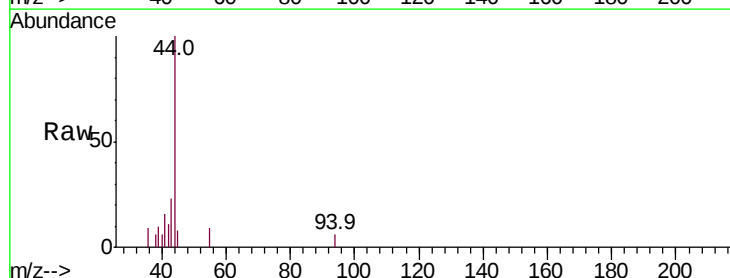
Tgt Ion: 41 Resp: 1041

Ion Ratio Lower Upper

41 100

39 66.4 61.8 92.6

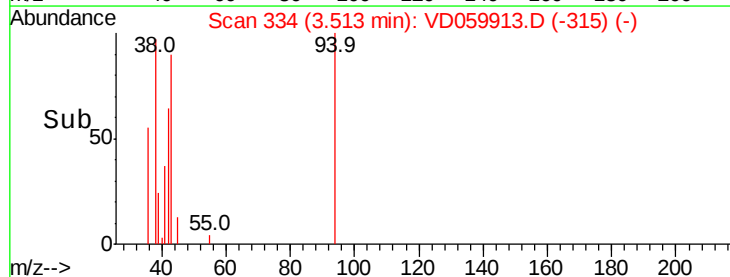
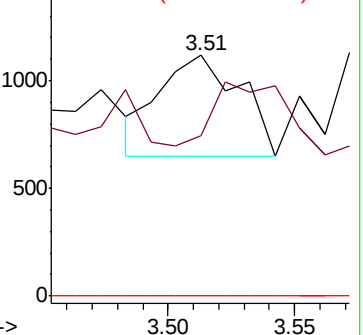
76 0.0 19.4 29.2#

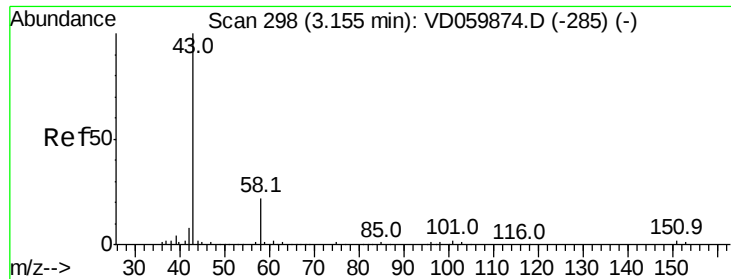


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 73.733 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

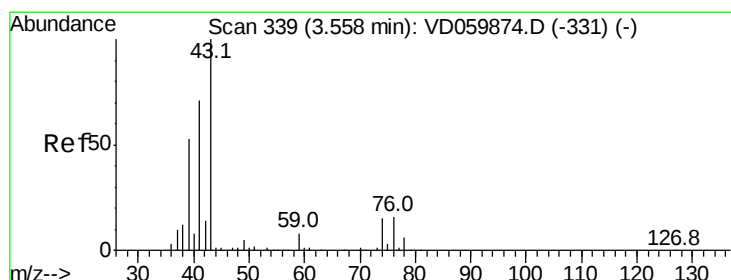
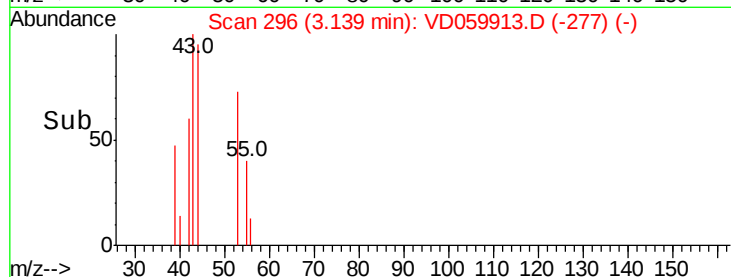
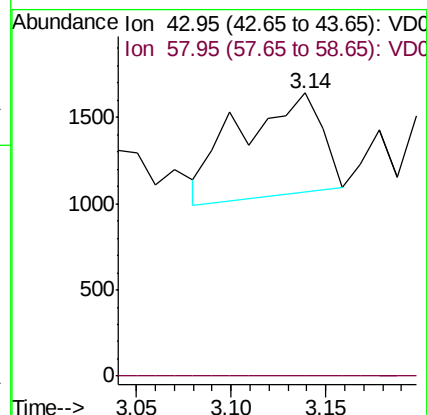
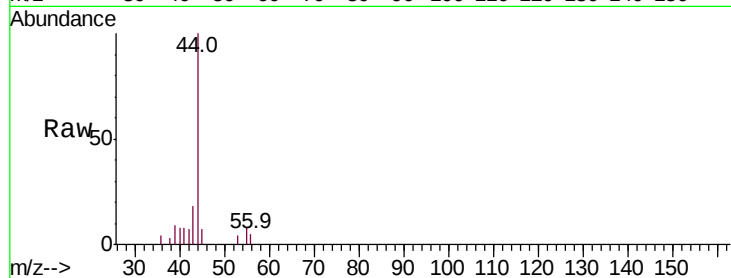
ClientSampleId :

Tot Ion: 43 Resp: 1782

Ion Ratio Lower Upper

43 100

58 0.0 17.6 26.4#



#18

Methyl Acetate

Concen: 56.271 ug/l

RT: 3.55 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD059913.D

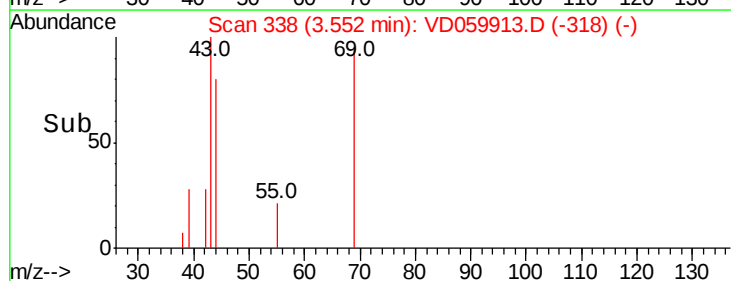
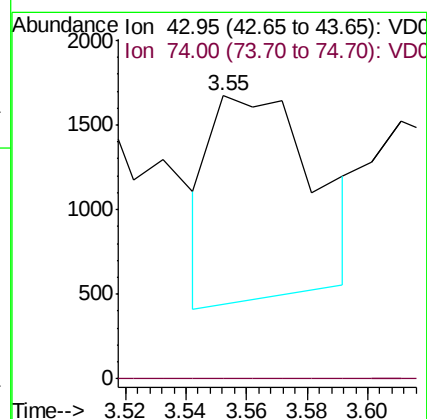
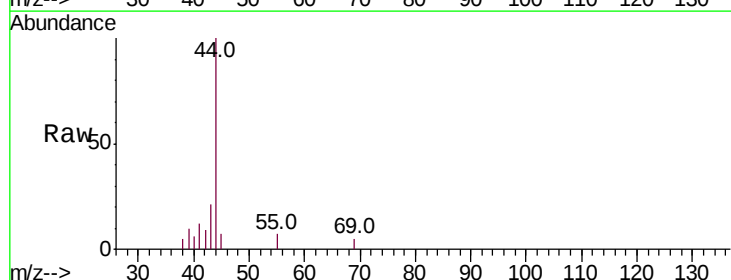
Acq: 27 Aug 2018 13:59

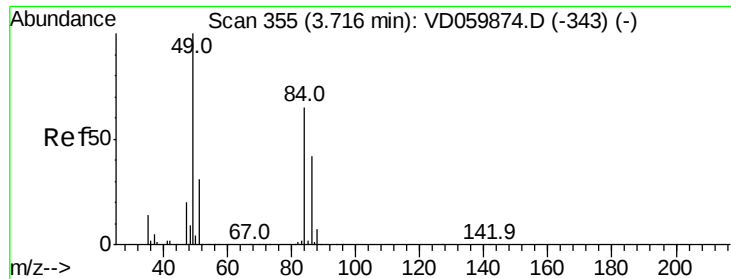
Tgt Ion: 43 Resp: 2839

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#

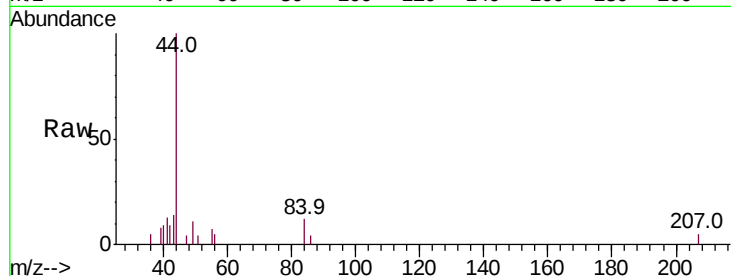




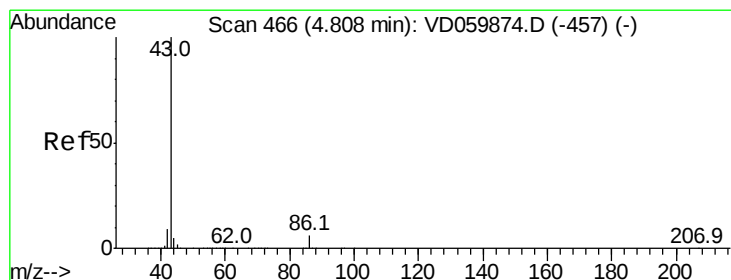
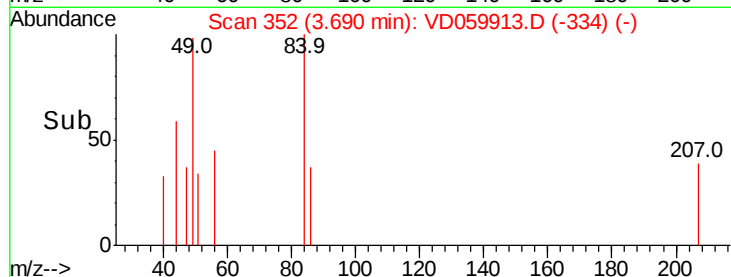
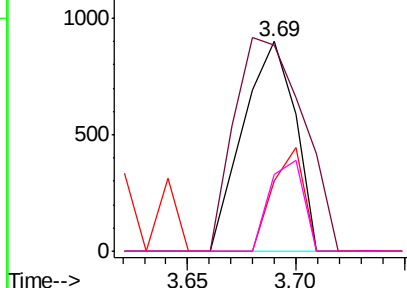
#20  
Methvlene Chloride  
Concen: 6.005 ug/l  
RT: 3.69 min Scan# 352  
Delta R.T. -0.03 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 84 Resp: 1497  
Ion Ratio Lower Upper  
84 100  
49 98.4 122.6 183.8#  
51 33.7 38.4 57.6#  
86 36.8 51.5 77.3#

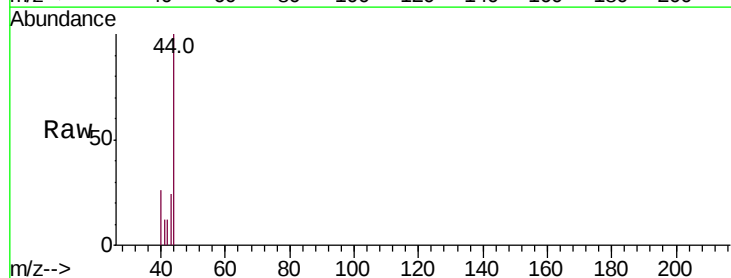


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

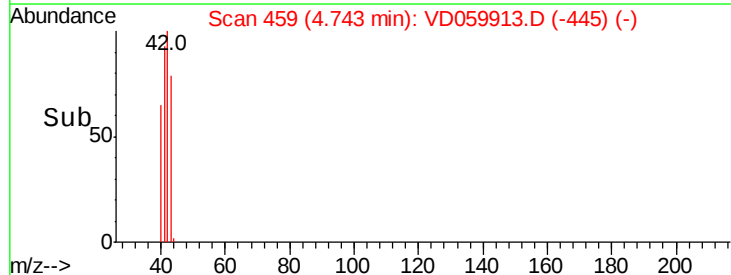
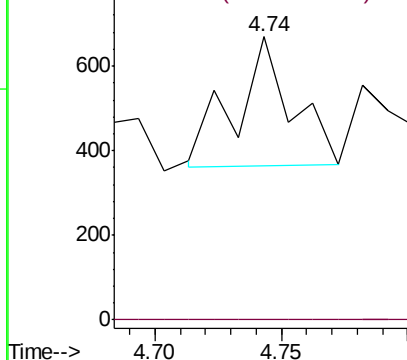


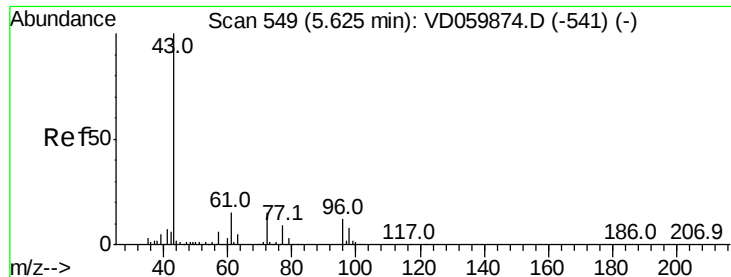
#23  
Vinyl Acetate  
Concen: 1.333 ug/l  
RT: 4.74 min Scan# 459  
Delta R.T. -0.06 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Tgt Ion: 43 Resp: 474  
Ion Ratio Lower Upper  
43 100  
86 0.0 5.0 7.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 86.00 (85.70 to 86.70): VDC

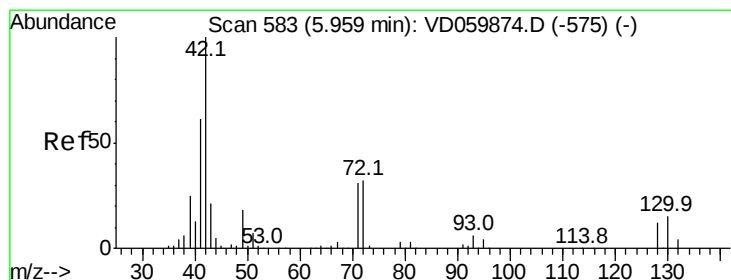
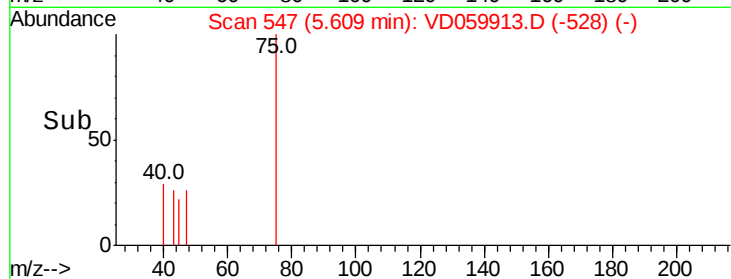
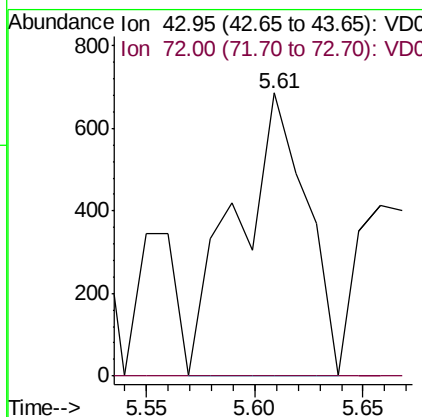
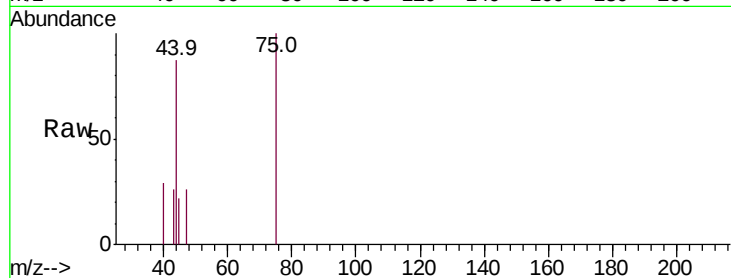




#25  
2-Butanone  
Concen: 21.473 ug/l  
RT: 5.61 min Scan# 547  
Delta R.T. -0.02 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

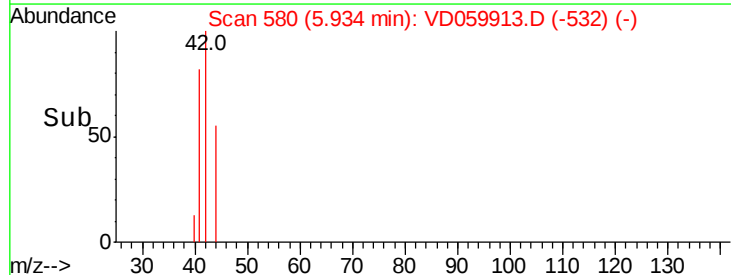
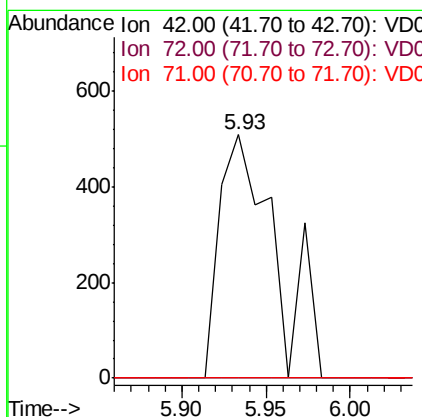
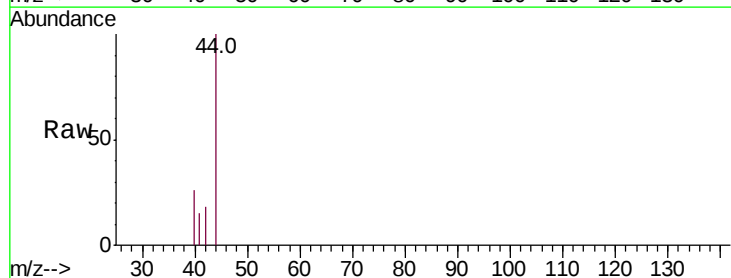
Instrument :  
MSVOA\_D  
ClientSampleId :

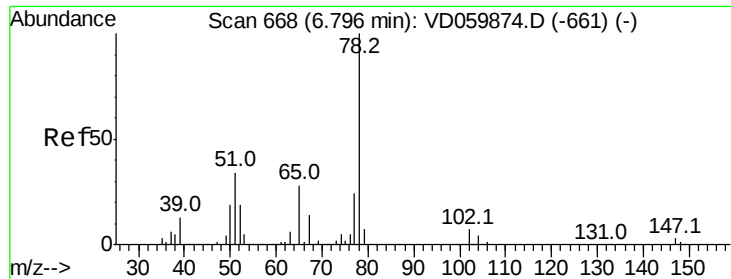
Tot Ion: 43 Resp: 1537  
Ion Ratio Lower Upper  
43 100  
72 0.0 12.3 18.5#



#29  
Tetrahydrofuran  
Concen: 34.275 ug/l  
RT: 5.93 min Scan# 580  
Delta R.T. -0.03 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Tgt Ion: 42 Resp: 1168  
Ion Ratio Lower Upper  
42 100  
72 0.0 25.7 38.5#  
71 0.0 25.3 37.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

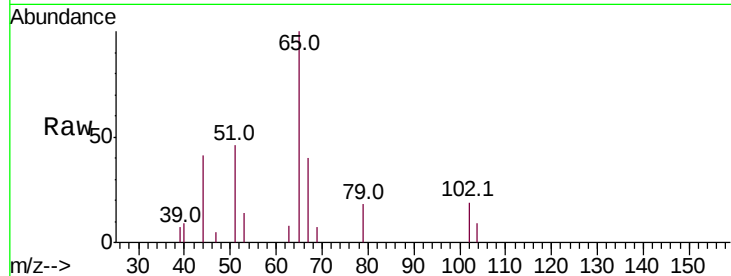
ClientSampleId :

Tot Ion: 65 Resp: 13977

Ion Ratio Lower Upper

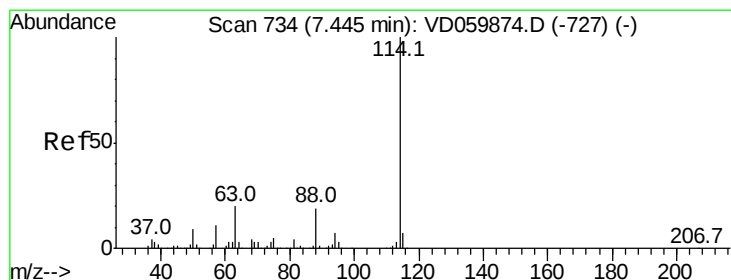
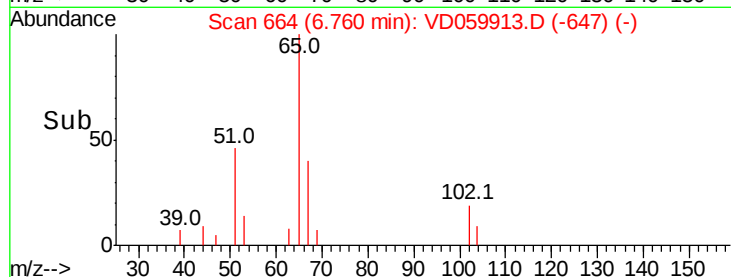
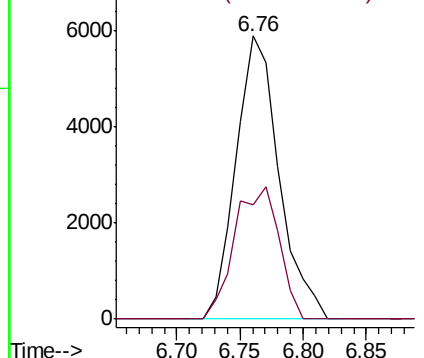
65 100

67 40.5 0.0 103.8



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: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

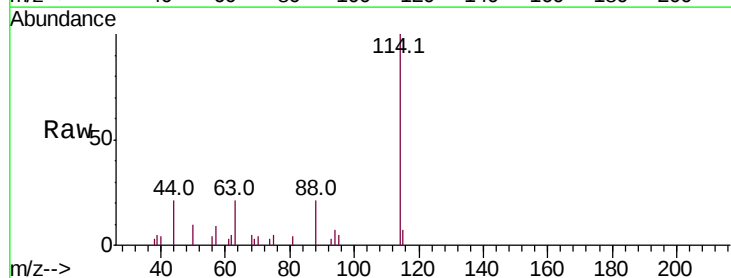
Tgt Ion: 114 Resp: 27939

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

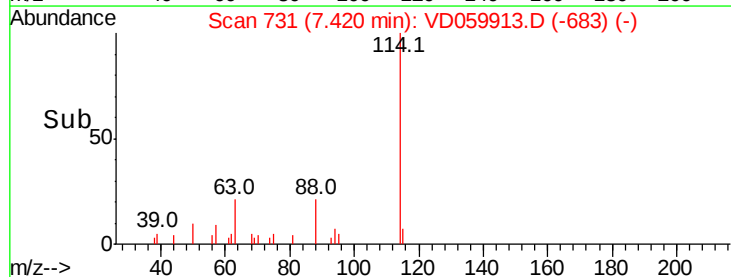
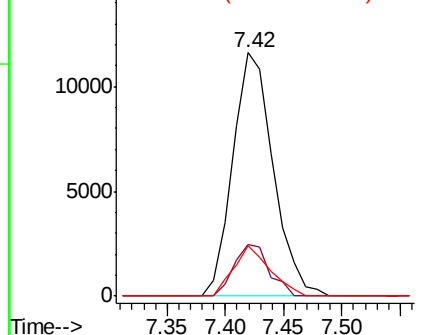
88 20.7 0.0 37.6

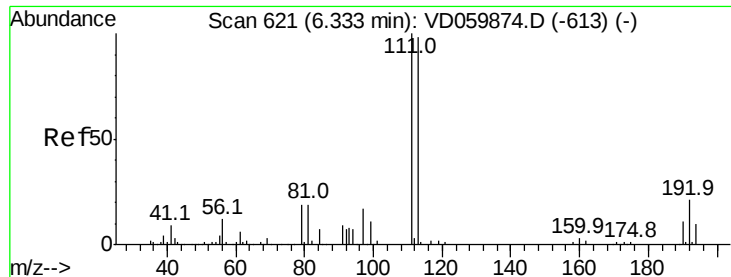


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :  
MSVOA\_D  
ClientSampleId :

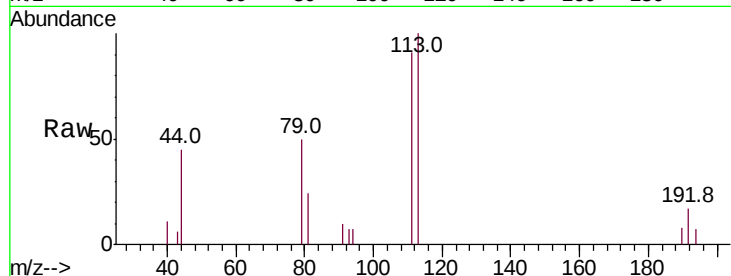
Tot Ion:113 Resp: 11042

Ion Ratio Lower Upper

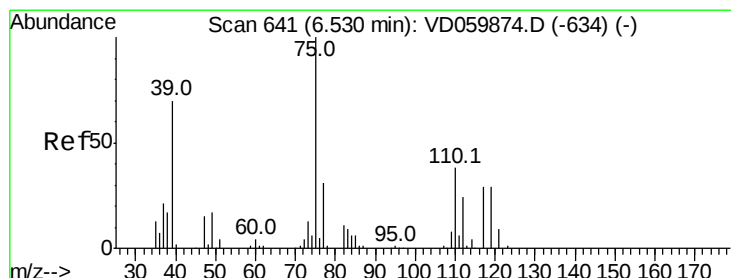
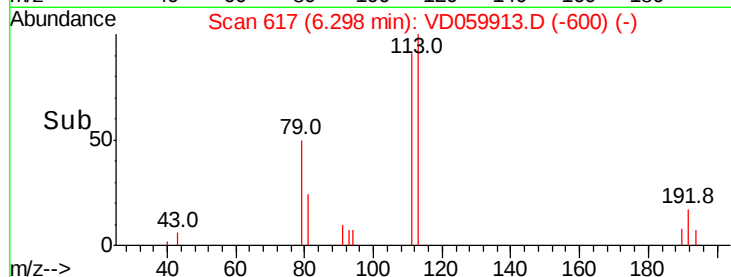
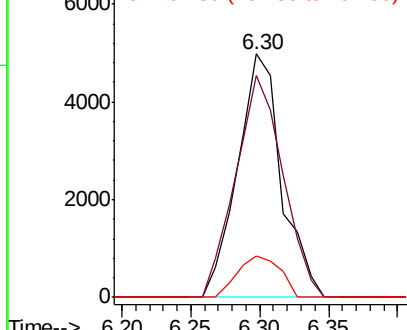
113 100

111 91.4 81.4 122.2

192 17.1 17.0 25.6



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: 3.605 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

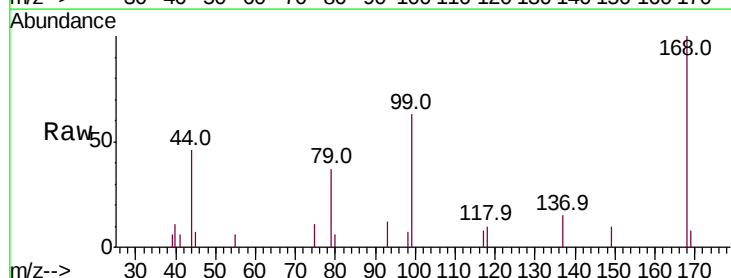
Tgt Ion: 75 Resp: 913

Ion Ratio Lower Upper

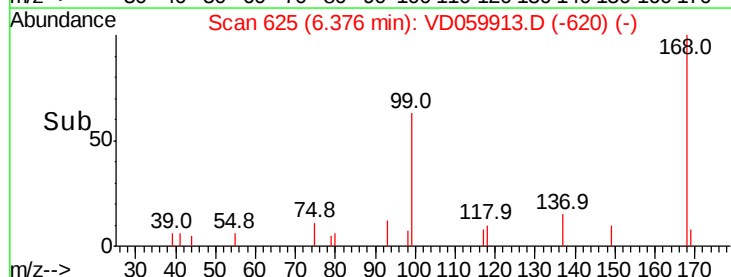
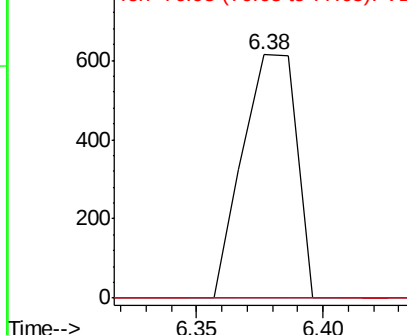
75 100

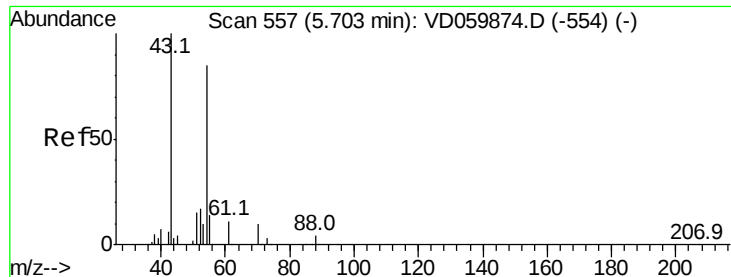
110 0.0 18.6 56.0#

77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 7.540 ug/l

RT: 5.68 min Scan# 554

Delta R.T. -0.03 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

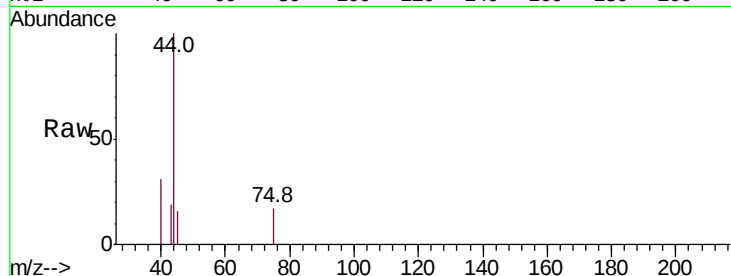
Tot Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

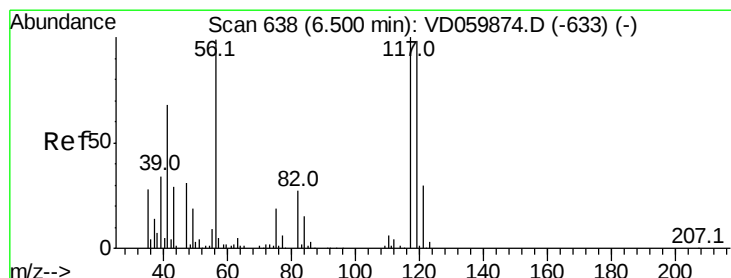
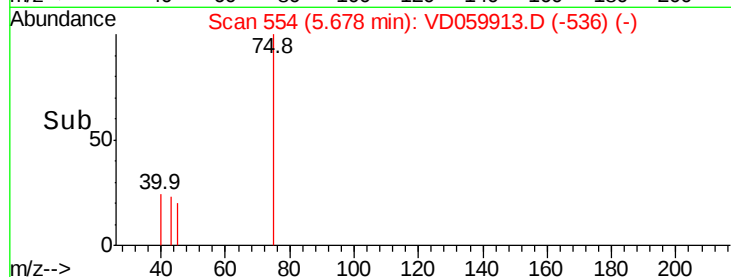
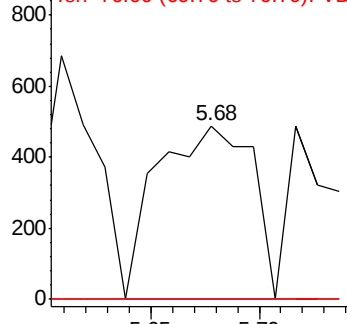
70 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 3.208 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

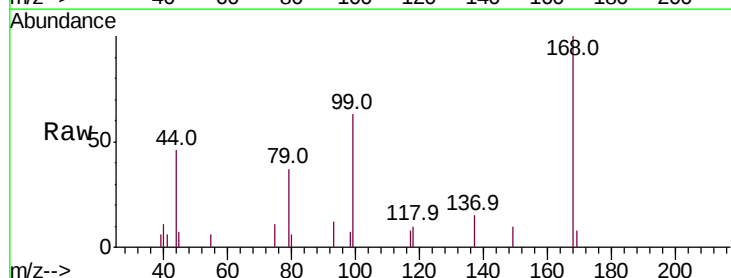
Tgt Ion: 117 Resp: 820

Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

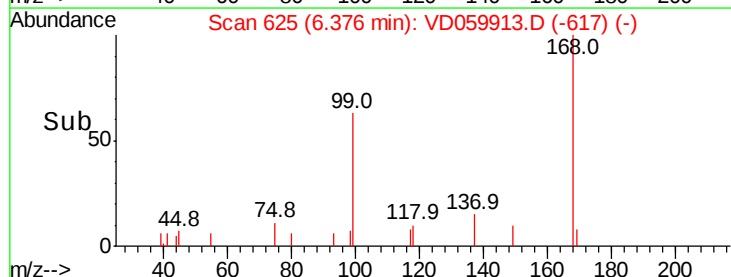
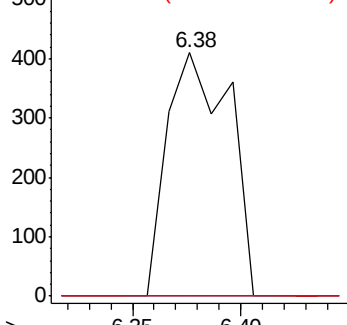
121 0.0 24.0 36.0#

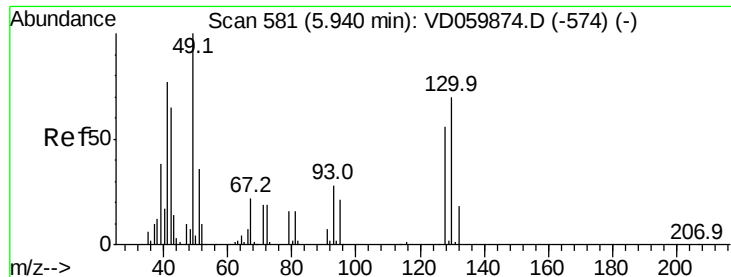


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#41

Methacrylonitrile

Concen: 4.261 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 41 Resp: 423

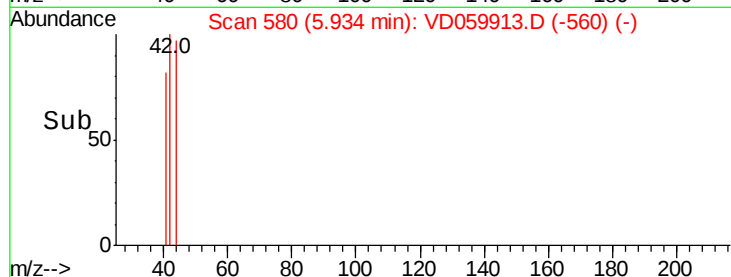
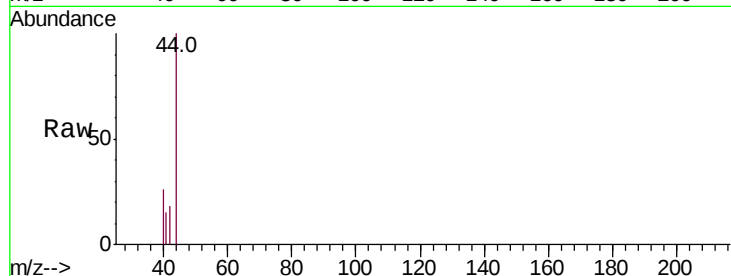
Ion Ratio Lower Upper

41 100

39 0.0 39.4 59.2#

67 0.0 22.2 33.2#

52 0.0 10.1 15.1#

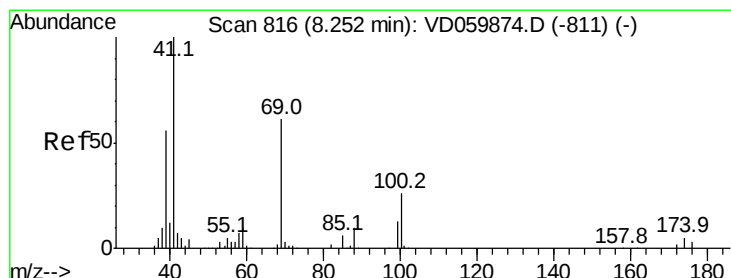
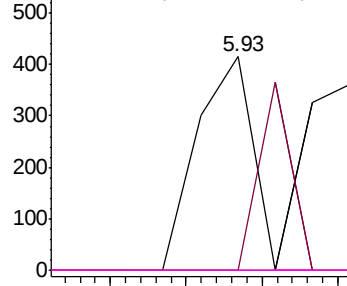


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#48

Methyl methacrylate

Concen: 2.656 ug/l

RT: 8.29 min Scan# 819

Delta R.T. 0.03 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

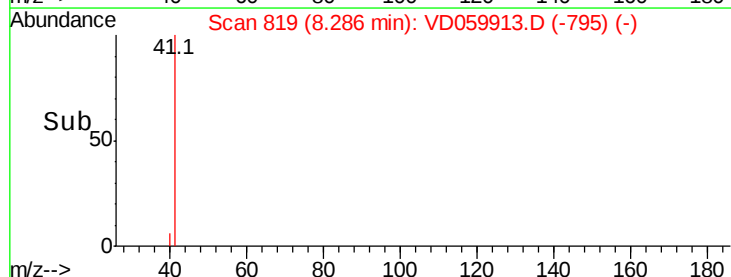
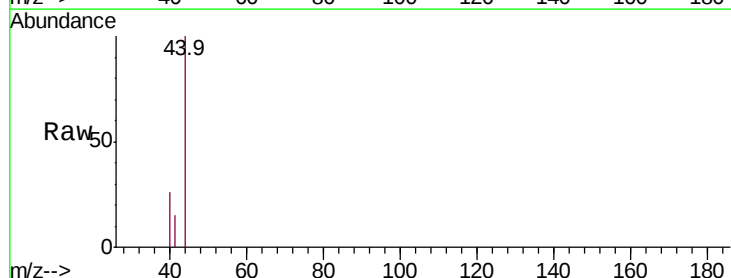
Tgt Ion: 41 Resp: 397

Ion Ratio Lower Upper

41 100

69 0.0 48.0 72.0#

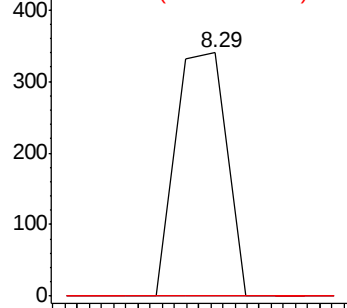
39 0.0 45.4 68.0#

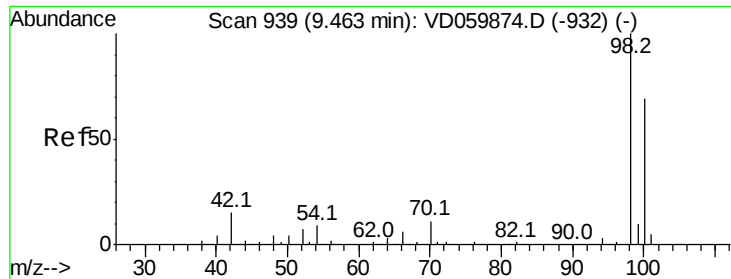


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

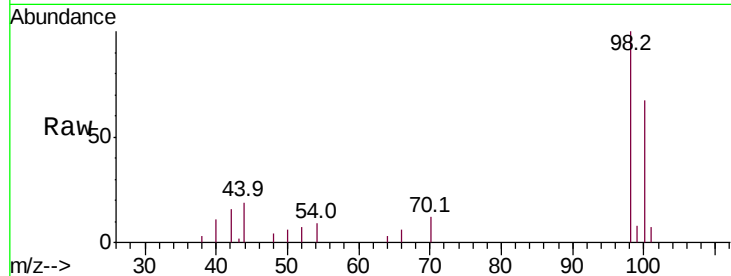




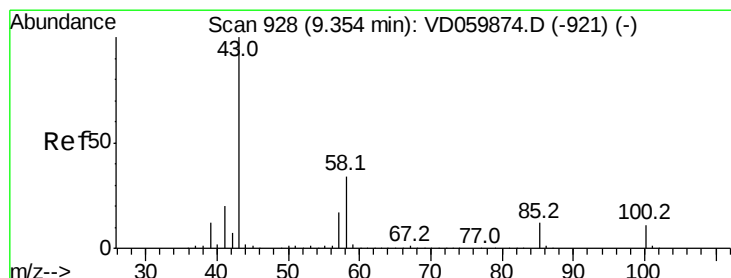
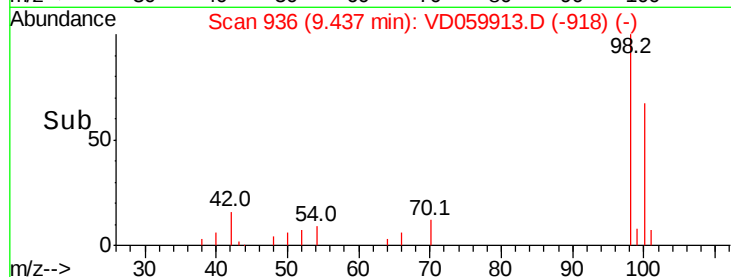
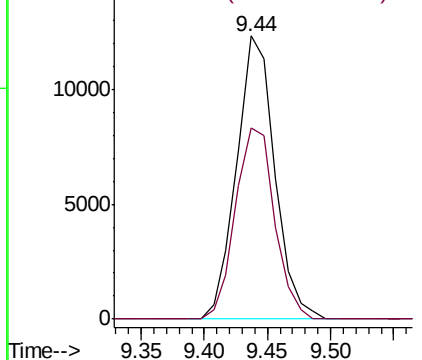
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.44 min Scan# 936  
Delta R.T. -0.03 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 98 Resp: 25830  
Ion Ratio Lower Upper  
98 100  
100 67.4 55.8 83.6

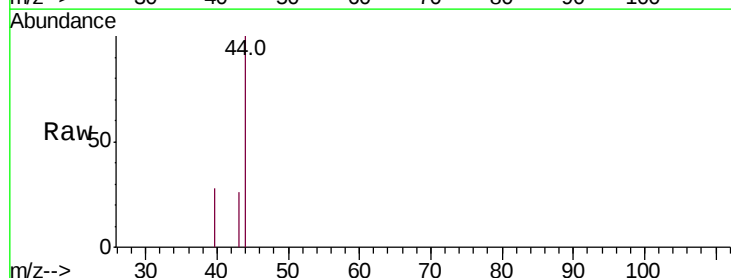


Abundance Ion 98.05 (97.75 to 98.75): VD059874.D (-932) (-)  
Ion 100.05 (99.75 to 100.75): VD059874.D (-932) (-)

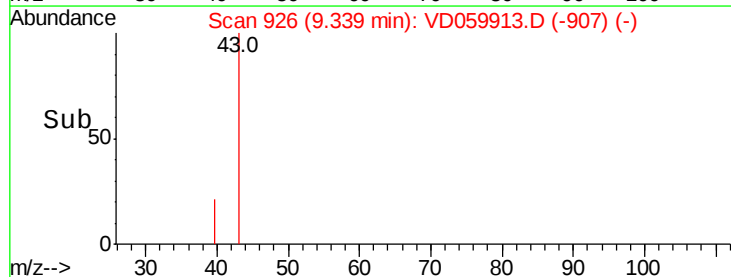
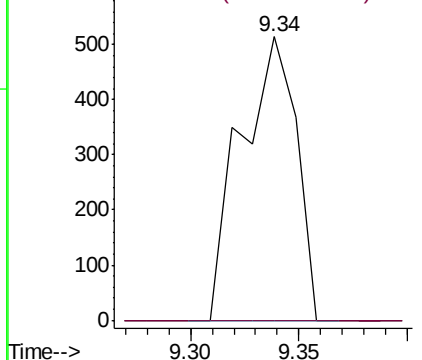


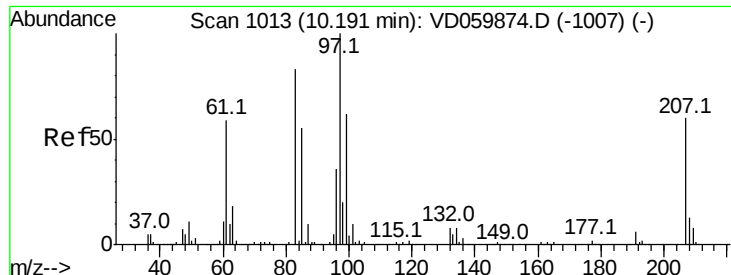
#51  
4-Methyl-2-Pentanone  
Concen: 4.792 ug/l  
RT: 9.34 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Tgt Ion: 43 Resp: 916  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.4#



Abundance Ion 42.95 (42.65 to 43.65): VD059874.D (-921) (-)  
Ion 57.95 (57.65 to 58.65): VD059874.D (-921) (-)

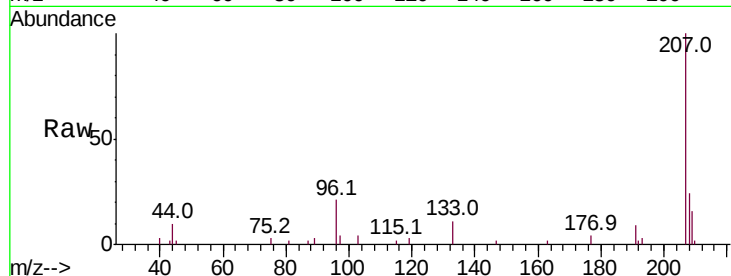




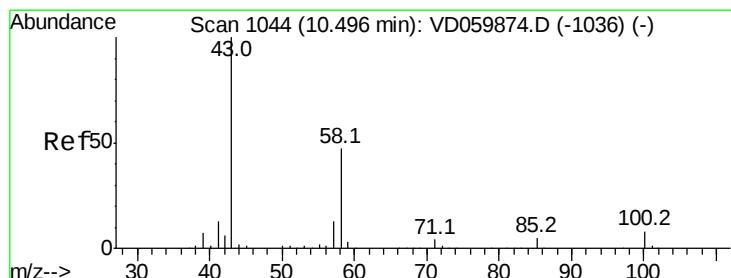
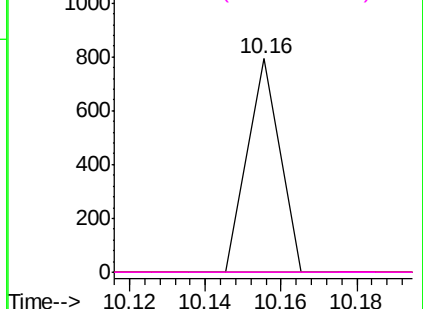
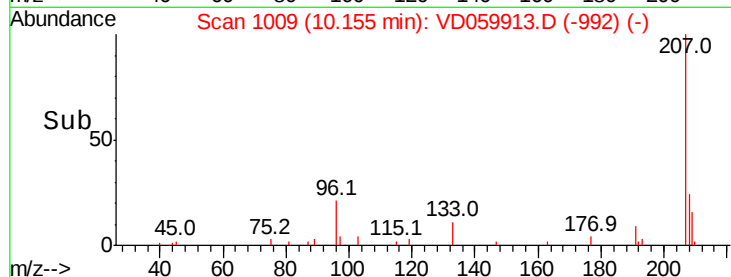
#55  
 1,1,2-Trichloroethane  
 Concen: 3.038 ug/l  
 RT: 10.16 min Scan# 1009  
 Delta R.T. -0.04 min  
 Lab File: VD059913.D  
 Acq: 27 Aug 2018 13:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion: 97 Resp: 469  
 Ion Ratio Lower Upper  
 97 100  
 83 0.0 66.7 100.1#  
 85 0.0 43.8 65.6#  
 99 0.0 49.8 74.6#

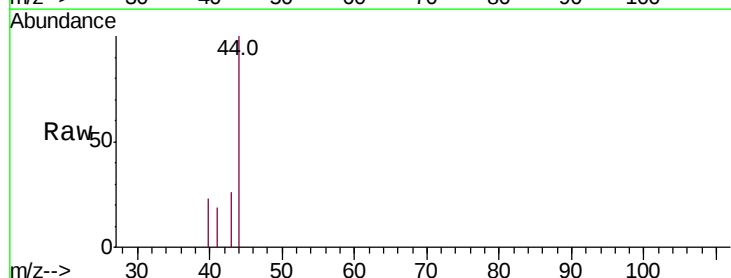


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

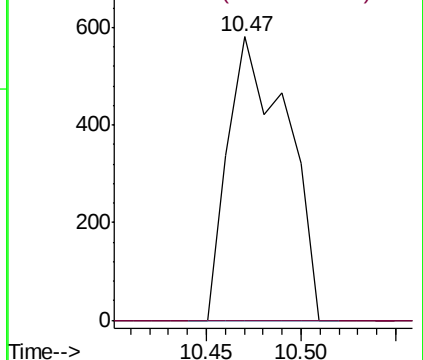
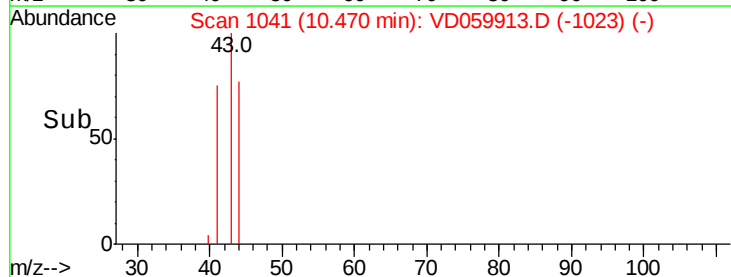


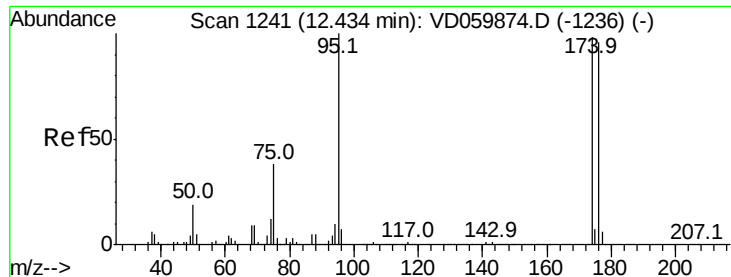
#59  
 2-Hexanone  
 Concen: 8.908 ug/l  
 RT: 10.47 min Scan# 1041  
 Delta R.T. -0.03 min  
 Lab File: VD059913.D  
 Acq: 27 Aug 2018 13:59

Tgt Ion: 43 Resp: 1256  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 23.3 69.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

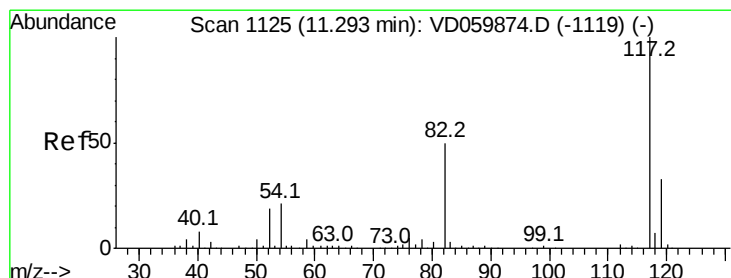
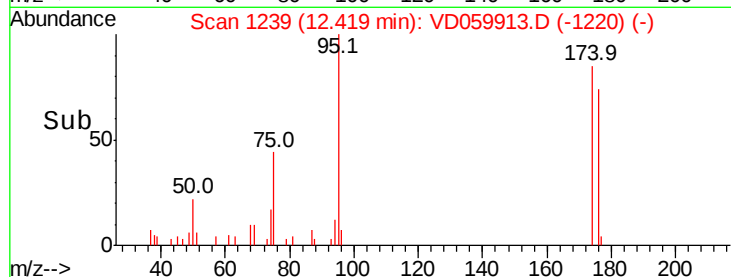
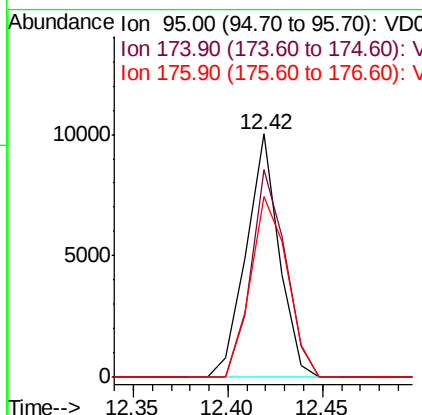
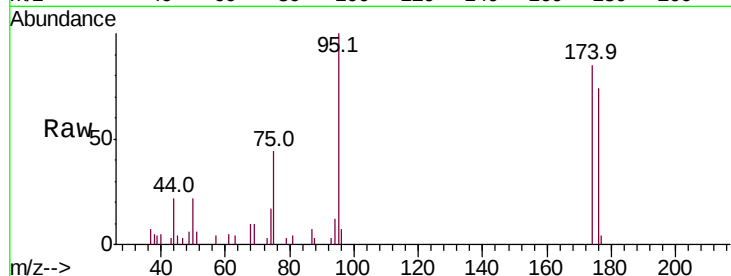




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.42 min Scan# 1239  
Delta R.T. -0.02 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

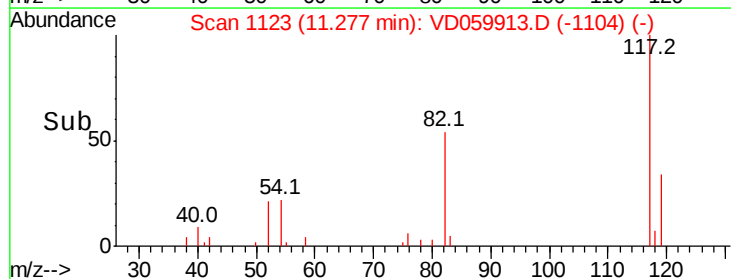
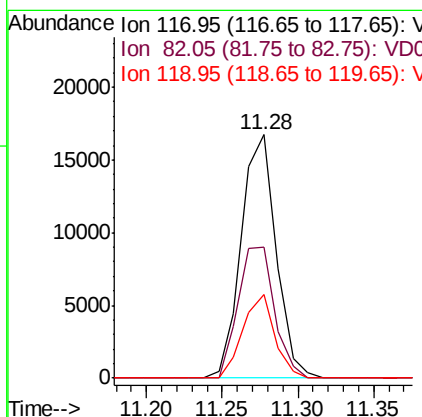
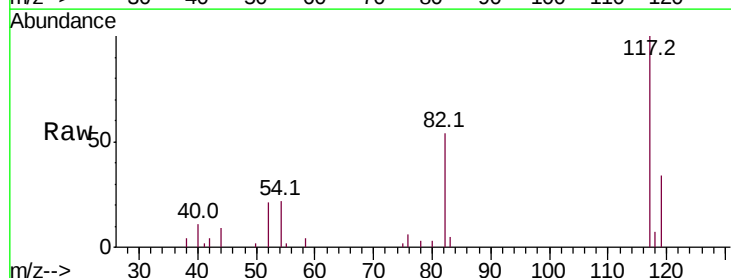
Instrument :  
MSVOA\_D  
ClientSampleId :

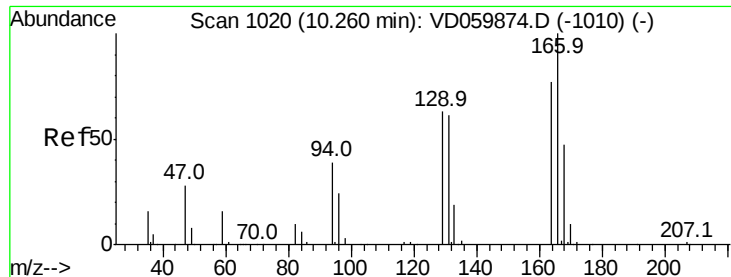
Tot Ion: 95 Resp: 12060  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 195.6  
176 74.5 0.0 191.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 1123  
Delta R.T. -0.02 min  
Lab File: VD059913.D  
Acq: 27 Aug 2018 13:59

Tgt Ion: 117 Resp: 26862  
Ion Ratio Lower Upper  
117 100  
82 53.5 40.1 60.1  
119 34.2 26.7 40.1





#64

Tetrachloroethene

Concen: 1.796 ug/l

RT: 10.17 min Scan# 1011

Delta R.T. -0.08 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion:164 Resp: 373

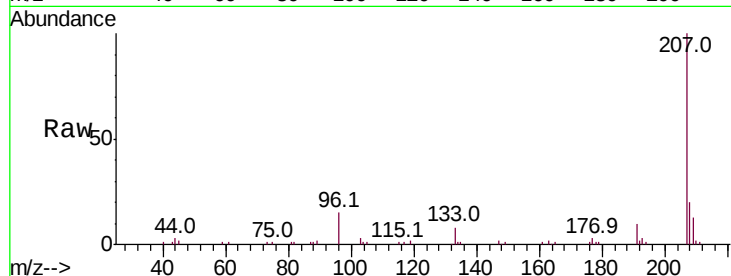
Ion Ratio Lower Upper

164 100

166 0.0 103.4 155.2#

129 0.0 65.2 97.8#

131 0.0 63.1 94.7#

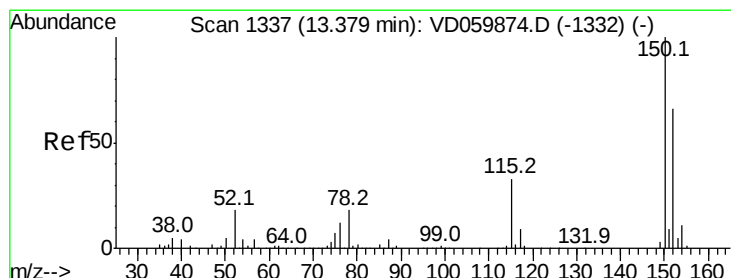
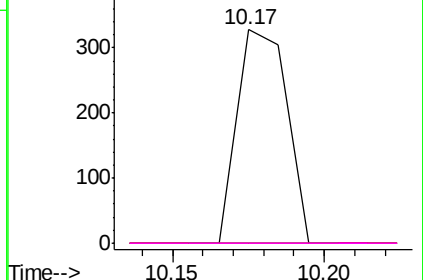
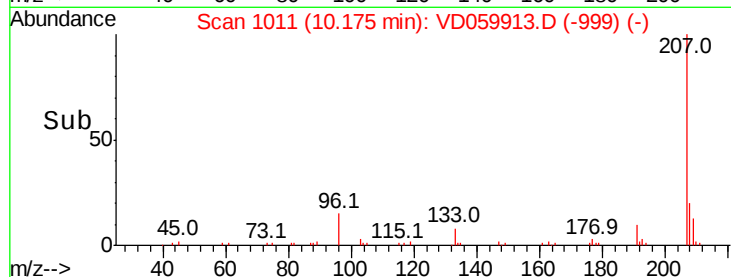


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

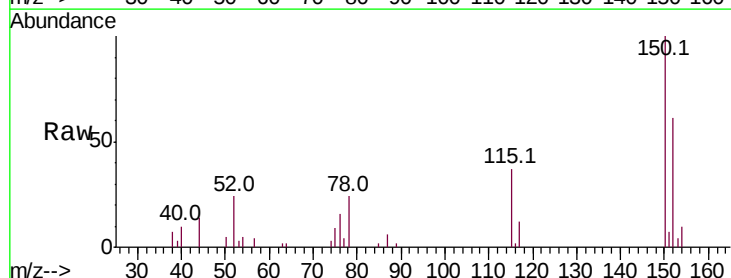
Tgt Ion:152 Resp: 12911

Ion Ratio Lower Upper

152 100

115 59.7 25.7 77.0

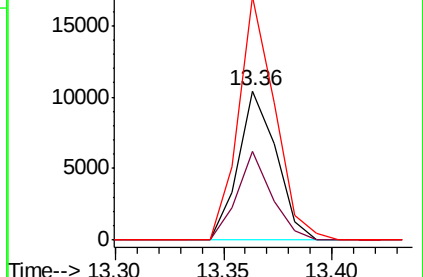
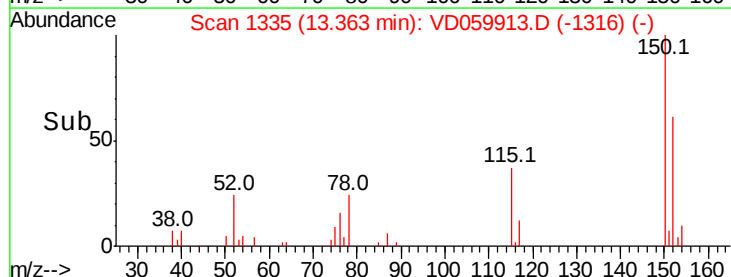
150 163.2 0.0 310.2

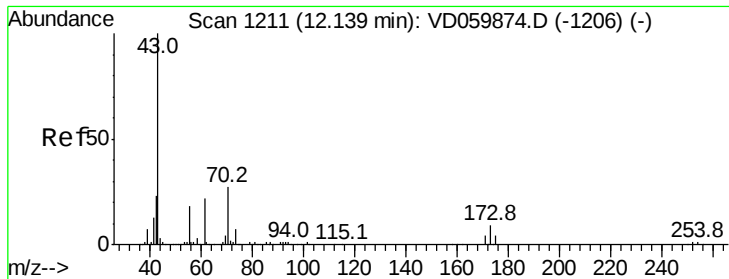


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.036 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 43 Resp: 374

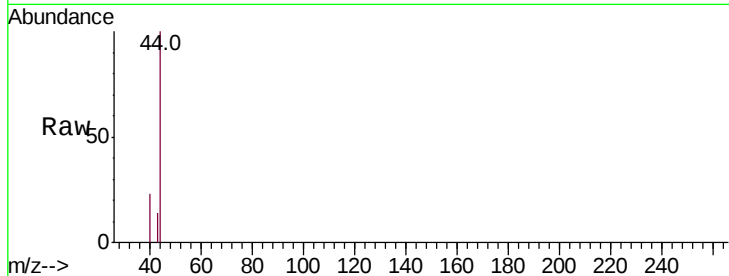
Ion Ratio Lower Upper

43 100

70 0.0 21.4 32.2#

55 0.0 14.1 21.1#

61 0.0 17.8 26.8#

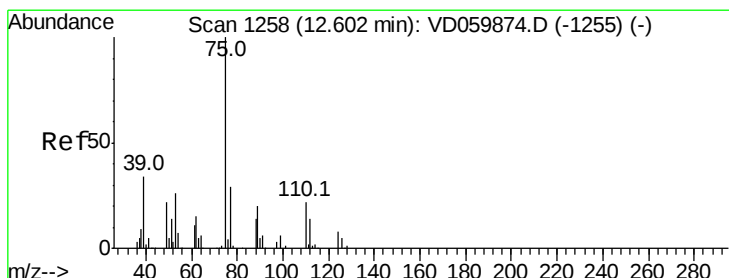
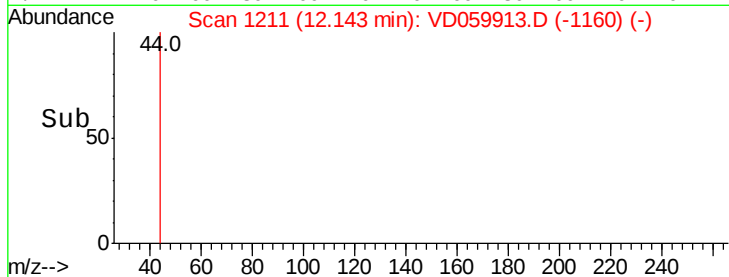
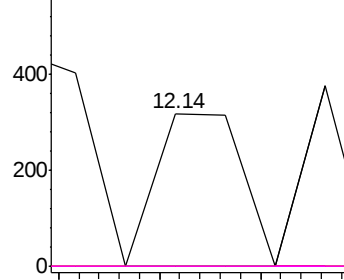


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#76

1,2,3-Trichloropropane

Concen: 4.590 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.05 min

Lab File: VD059913.D

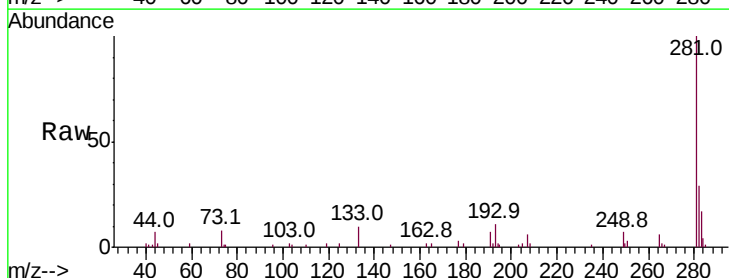
Acq: 27 Aug 2018 13:59

Tgt Ion: 75 Resp: 921

Ion Ratio Lower Upper

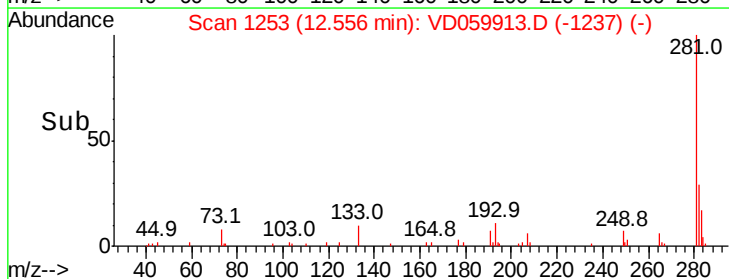
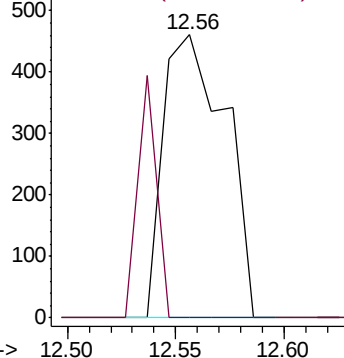
75 100

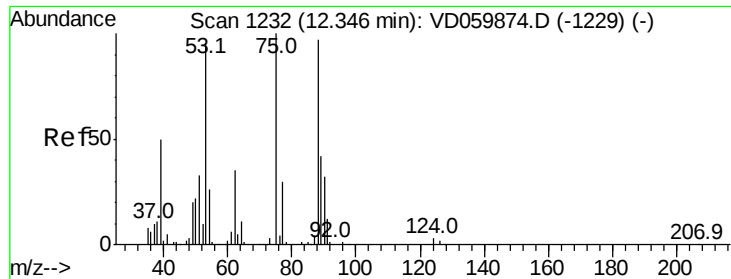
77 0.0 16.4 49.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 86.382 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampled :

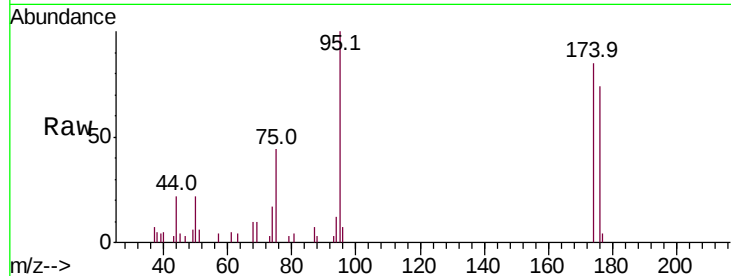
Tot Ion: 75 Resp: 5392

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

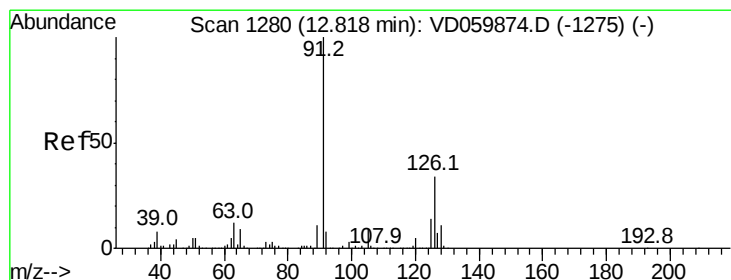
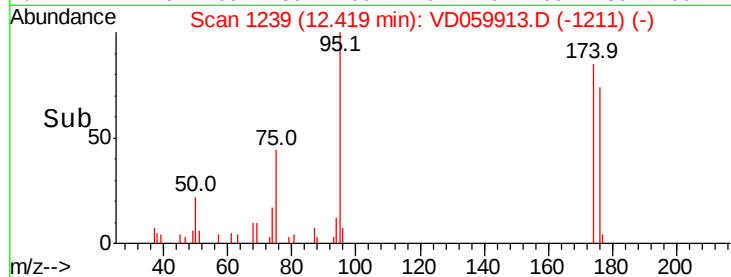
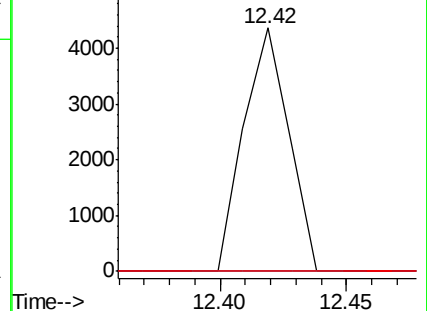
89 0.0 33.6 50.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.463 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059913.D

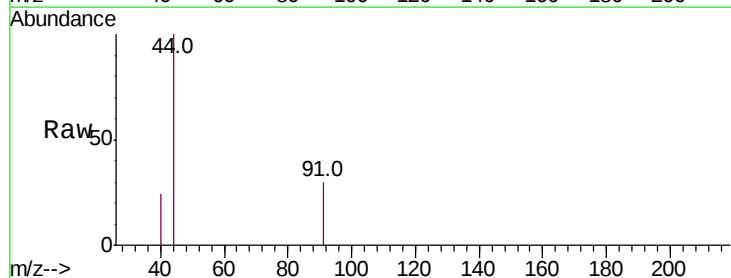
Acq: 27 Aug 2018 13:59

Tgt Ion: 91 Resp: 985

Ion Ratio Lower Upper

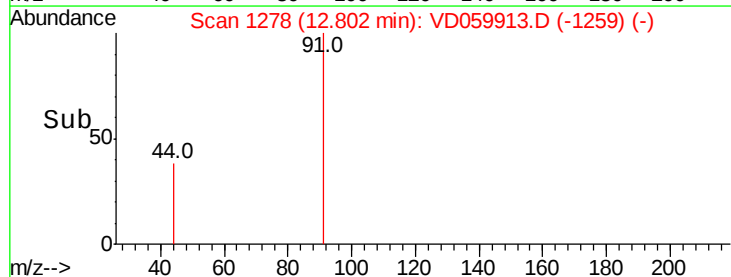
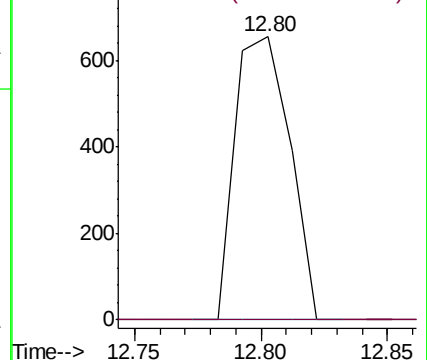
91 100

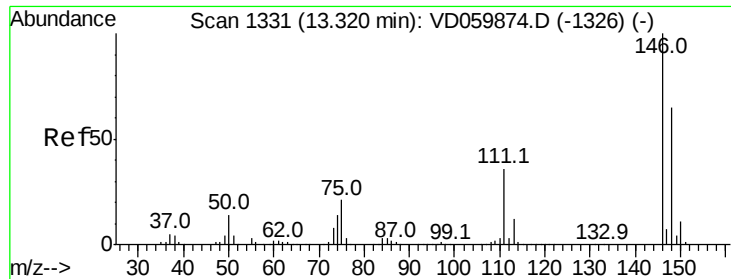
126 0.0 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

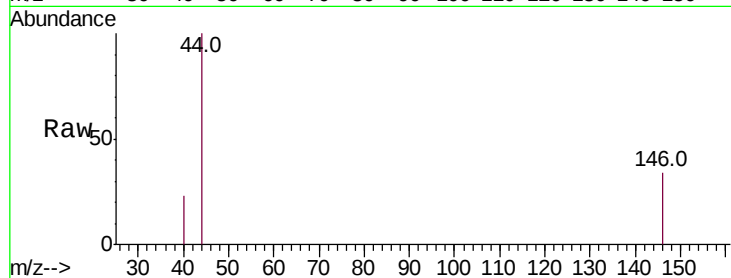




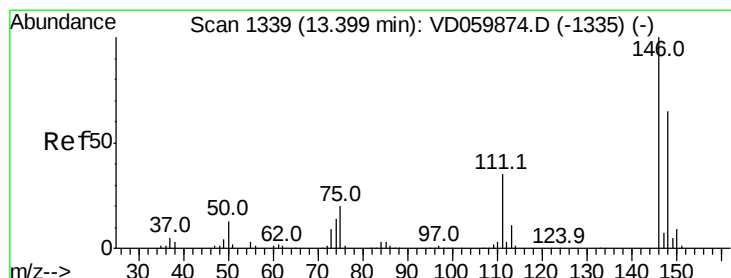
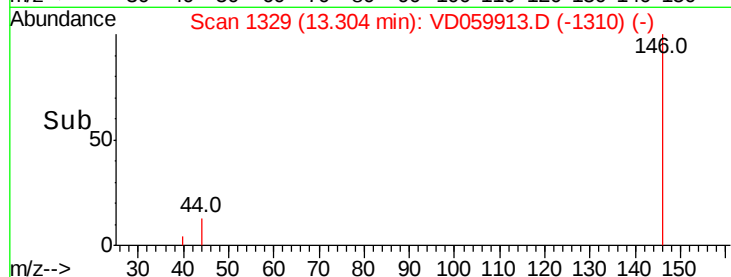
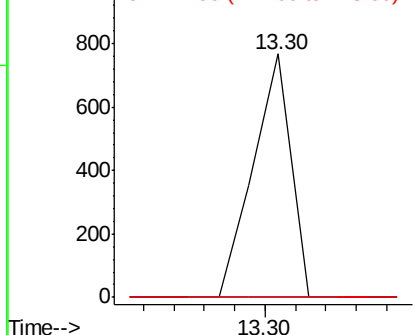
#87  
 1,3-Dichlorobenzene  
 Concen: 1.623 ug/l  
 RT: 13.30 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: VD059913.D  
 Acq: 27 Aug 2018 13:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:146 Resp: 662  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 17.9 53.7#  
 148 0.0 32.4 97.0#

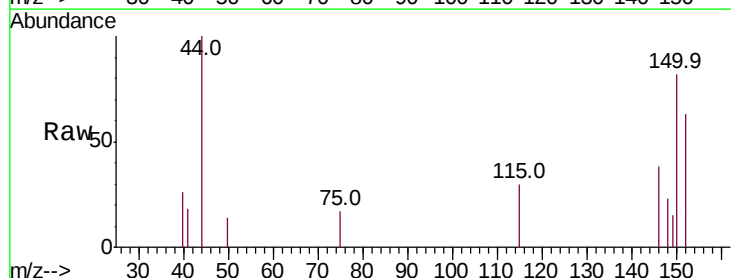


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

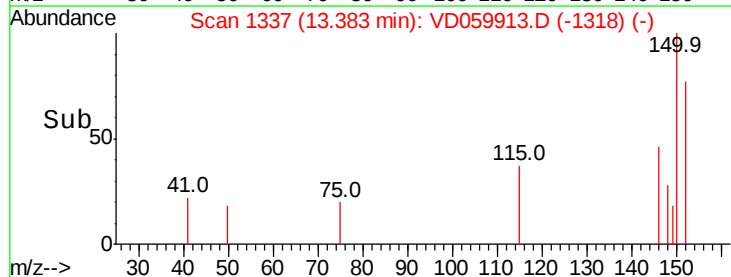
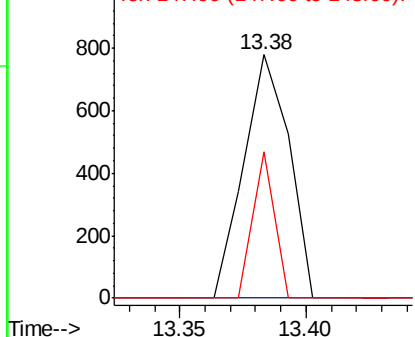


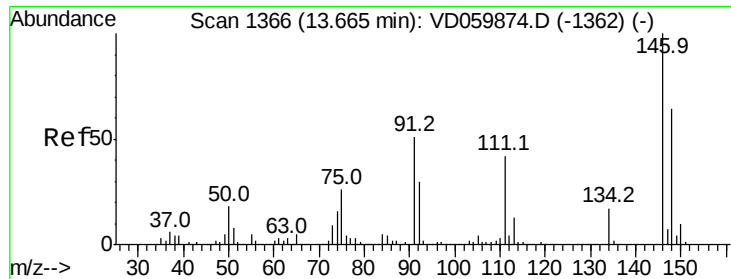
#88  
 1,4-Dichlorobenzene  
 Concen: 2.391 ug/l  
 RT: 13.38 min Scan# 1337  
 Delta R.T. -0.02 min  
 Lab File: VD059913.D  
 Acq: 27 Aug 2018 13:59

Tgt Ion:146 Resp: 973  
 Ion Ratio Lower Upper  
 146 100  
 111 0.0 17.5 52.6#  
 148 60.2 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.378 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

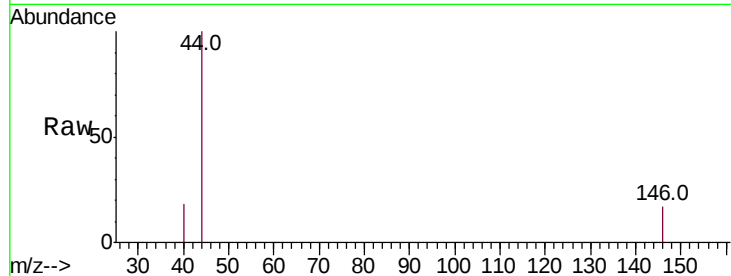
Tot Ion:146 Resp: 478

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.1#

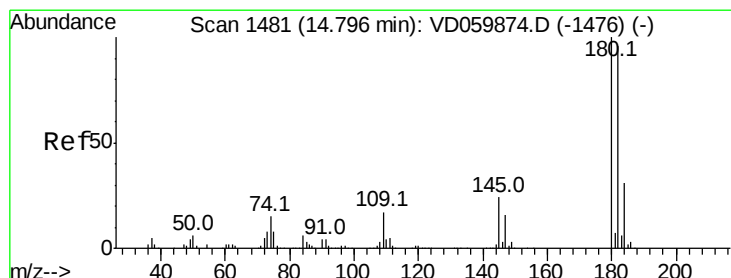
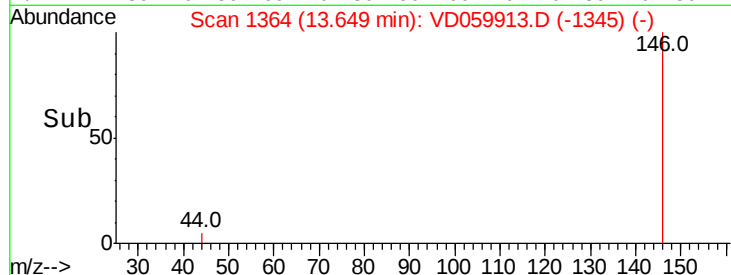
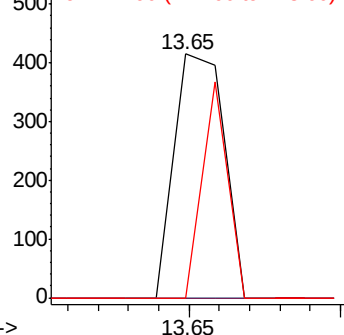
148 0.0 32.2 96.6#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 2.394 ug/l

RT: 14.78 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

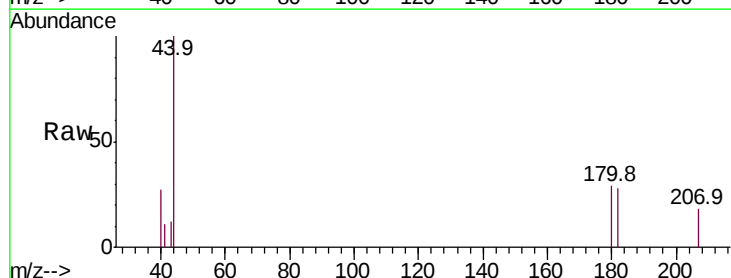
Tgt Ion:180 Resp: 711

Ion Ratio Lower Upper

180 100

182 98.1 47.9 143.7

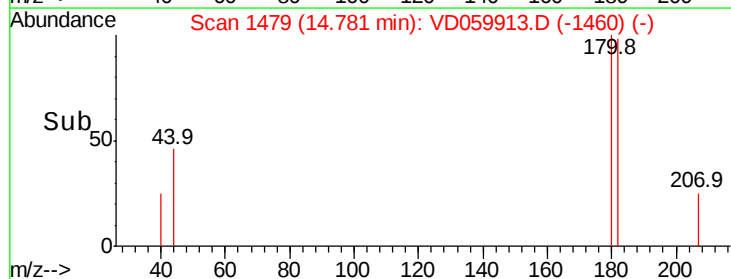
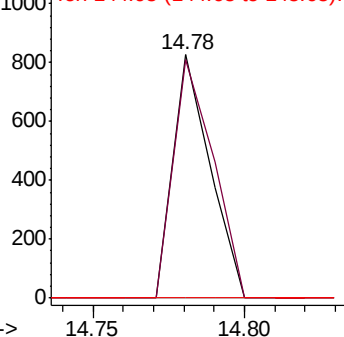
145 0.0 12.2 36.4#

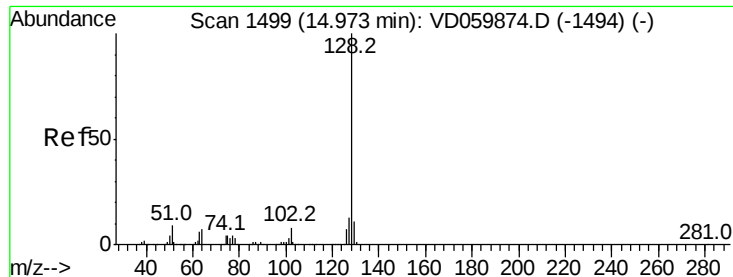


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 4.719 ug/l

RT: 14.96 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

Instrument :

MSVOA\_D

ClientSampleId :

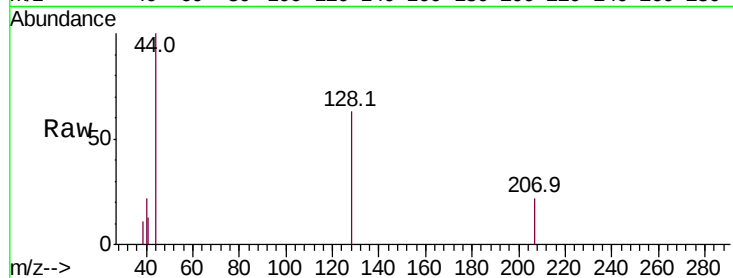
Tot Ion:128 Resp: 2142

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

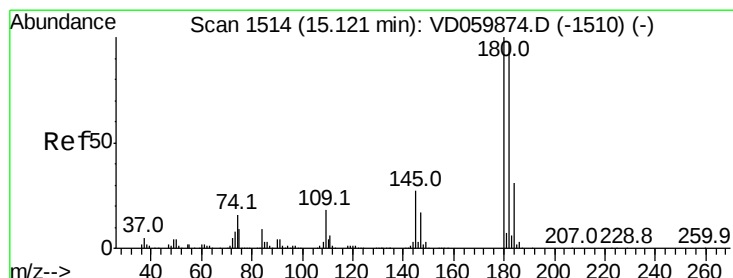
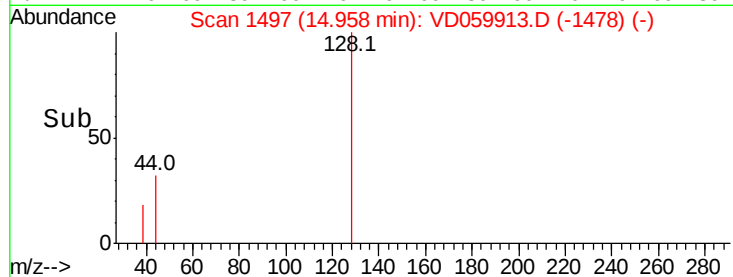
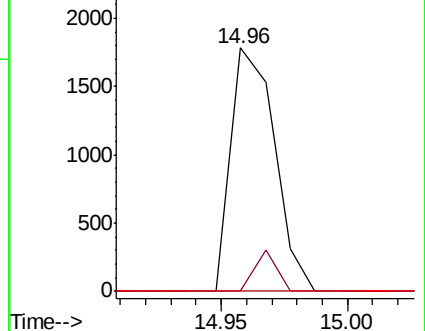
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.248 ug/l

RT: 15.11 min Scan# 1512

Delta R.T. -0.02 min

Lab File: VD059913.D

Acq: 27 Aug 2018 13:59

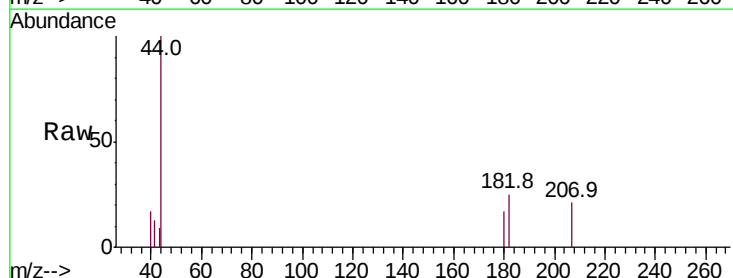
Tgt Ion:180 Resp: 571

Ion Ratio Lower Upper

180 100

182 149.7 48.6 145.8#

145 0.0 13.6 40.8#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

