

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\  
 Data File : VD065048.D  
 Acq On : 03 Feb 2020 12:20  
 Operator : VA/SY  
 Sample : L1329-22RE  
 Misc : 5.05G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 628-629RE

Quant Time: Feb 03 12:51:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 13:45:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 5593     | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 7440     | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 6854     | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 1851     | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 2618     | 48.80  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 97.60%  |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 2496     | 53.39  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 106.78% |          |
| 50) Toluene-d8              | 10.35 | 98   | 7863     | 43.57  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 87.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 2210     | 40.02  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 80.04%  |          |

| Target Compounds              | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99  | 85   | 61       | 1.448     | ug/l # | 43     |
| 3) Chloromethane              | 2.20  | 50   | 316      | 5.117     | ug/l # | 44     |
| 5) Bromomethane               | 2.80  | 94   | 61       | 1.279     | ug/l # | 3      |
| 6) Chloroethane               | 2.93  | 64   | 121      | 2.588     | ug/l # | 43     |
| 7) Trichlorofluoromethane     | 3.30  | 101  | 208      | 1.899     | ug/l # | 17     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09  | 101  | 59       | 1.158     | ug/l # | 17     |
| 10) Methyl Iodide             | 4.33  | 142  | 113      | 2.089     | ug/l # | 39     |
| 12) 1,1-Dichloroethene        | 4.07  | 96   | 145      | 2.978     | ug/l # | 48     |
| 16) Acetone                   | 4.16  | 43   | 126      | 21.779    | ug/l # | 45     |
| 17) Carbon Disulfide          | 4.40  | 76   | 250      | 1.560     | ug/l # | 75     |
| 18) Methyl Acetate            | 4.75  | 43   | 60       | 2.388     | ug/l # | 51     |
| 20) Methylene Chloride        | 4.97  | 84   | 215      | Below Cal | #      | 6      |
| 21) trans-1,2-Dichloroethene  | 5.47  | 96   | 298      | 5.313     | ug/l # | 1      |
| 25) 2-Butanone                | 7.22  | 43   | 54       | 3.726     | ug/l # | 49     |
| 27) cis-1,2-Dichloroethene    | 7.24  | 96   | 73       | 1.219     | ug/l # | 53     |
| 29) Tetrahydrofuran           | 7.58  | 42   | 150      | 16.773    | ug/l # | 34     |
| 30) Chloroform                | 7.72  | 83   | 243      | 2.474     | ug/l # | 17     |
| 31) Cyclohexane               | 7.98  | 56   | 519      | 5.553     | ug/l # | 61     |
| 36) 1,1-Dichloropropene       | 8.12  | 75   | 375      | 5.227     | ug/l # | 66     |
| 37) Ethyl Acetate             | 7.35  | 43   | 126      | 4.252     | ug/l # | 69     |
| 38) Carbon Tetrachloride      | 7.99  | 117  | 219      | 2.888     | ug/l # | 14     |
| 39) Methylcyclohexane         | 9.37  | 83   | 530      | 6.319     | ug/l # | 19     |
| 40) Benzene                   | 8.37  | 78   | 1121     | 5.673     | ug/l # | 51     |
| 41) Methacrylonitrile         | 7.42  | 41   | 71       | 4.448     | ug/l # | 24     |
| 42) 1,2-Dichloroethane        | 8.43  | 62   | 135      | 2.294     | ug/l # | 75     |
| 44) Trichloroethene           | 9.11  | 130  | 500      | 9.042     | ug/l   | 75     |
| 48) Methyl methacrylate       | 9.48  | 41   | 60       | 2.316     | ug/l # | 13     |
| 51) 4-Methyl-2-Pentanone      | 10.23 | 43   | 734      | 26.060    | ug/l # | 72     |
| 52) Toluene                   | 10.41 | 92   | 430      | 3.375     | ug/l # | 35     |
| 55) 1,1,2-Trichloroethane     | 10.95 | 97   | 59       | 1.675     | ug/l # | 16     |
| 59) 2-Hexanone                | 10.99 | 43   | 325      | 16.729    | ug/l # | 25     |
| 60) Dibromochloromethane      | 10.88 | 129  | 174      | 3.696     | ug/l # | 11     |
| 64) Tetrachloroethene         | 10.88 | 164  | 444      | 8.964     | ug/l # | 44     |
| 65) Chlorobenzene             | 11.67 | 112  | 550      | 3.952     | ug/l # | 42     |

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 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 13:45:59 2020  
 Response via : Initial Calibration

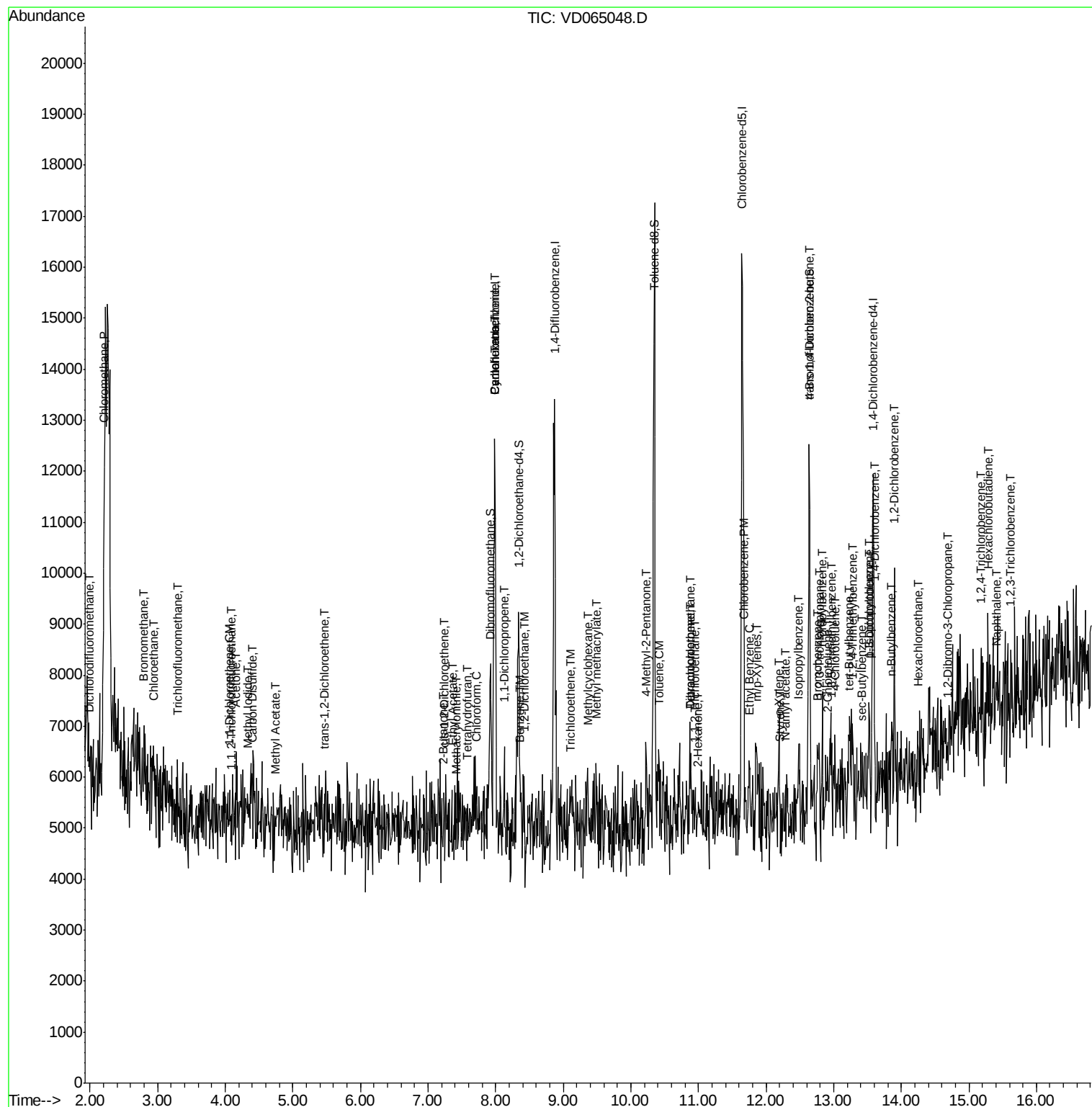
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 67) Ethyl Benzene              | 11.75 | 91   | 1068     | 4.323   | ug/l # | 44       |
| 68) m/p-Xylenes                | 11.86 | 106  | 508      | 5.340   | ug/l # | 50       |
| 69) o-Xylene                   | 12.18 | 106  | 190      | 2.251   | ug/l # | 18       |
| 70) Styrene                    | 12.21 | 104  | 514      | 3.418   | ug/l # | 27       |
| 73) Isopropylbenzene           | 12.48 | 105  | 703      | 5.557   | ug/l   | 79       |
| 74) N-amyl acetate             | 12.29 | 43   | 71       | 2.508   | ug/l # | 44       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 66       | 4.296   | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 133      | 4.297   | ug/l # | 27       |
| 78) n-propylbenzene            | 12.83 | 91   | 1040     | 6.912   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 571      | 6.918   | ug/l # | 39       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 742      | 7.157   | ug/l # | 43       |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 1171     | 162.747 | ug/l # | 9        |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 724      | 8.271   | ug/l # | 56       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 752      | 8.547   | ug/l   | 83       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 891      | 8.484   | ug/l   | 95       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 921      | 7.393   | ug/l # | 72       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 464      | 3.980   | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 251      | 4.226   | ug/l # | 14       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 231      | 3.919   | ug/l # | 1        |
| 89) n-Butylbenzene             | 13.86 | 91   | 904      | 8.497   | ug/l # | 69       |
| 90) Hexachloroethane           | 14.24 | 117  | 62       | 2.758   | ug/l # | 8        |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 448      | 8.885   | ug/l   | 77       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.69 | 75   | 72       | 21.159  | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 15.17 | 180  | 315      | 9.030   | ug/l # | 54       |
| 94) Hexachlorobutadiene        | 15.28 | 225  | 294      | 13.325  | ug/l # | 42       |
| 95) Naphthalene                | 15.41 | 128  | 435      | 7.727   | ug/l # | 68       |
| 96) 1,2,3-Trichlorobenzene     | 15.61 | 180  | 76       | 2.513   | ug/l # | 14       |
| -----                          |       |      |          |         |        |          |

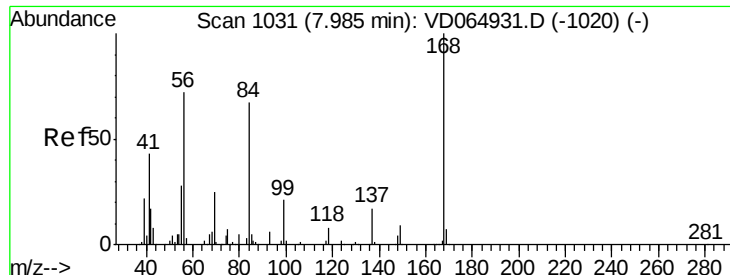
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

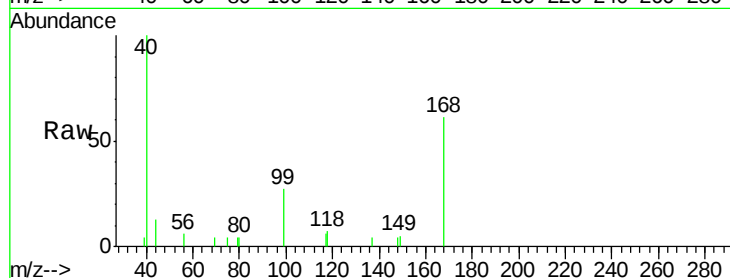
628-629RE

Tot Ion:168 Resp: 5593

Ion Ratio Lower Upper

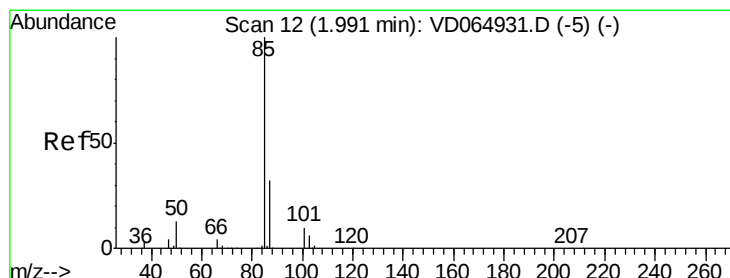
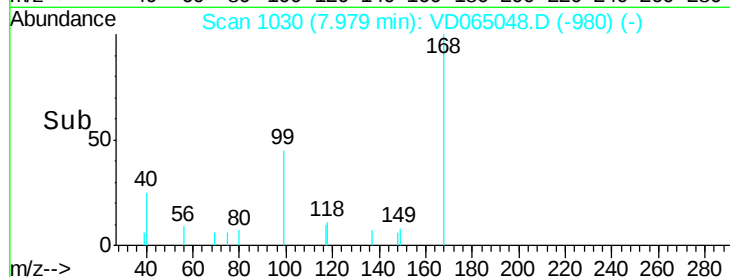
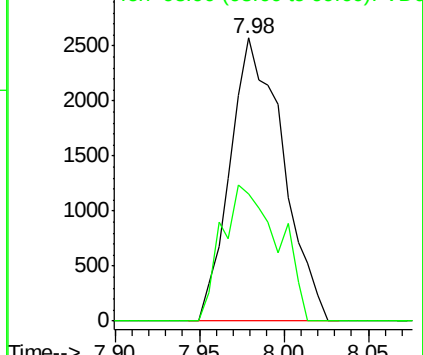
168 100

99 44.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.448 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065048.D

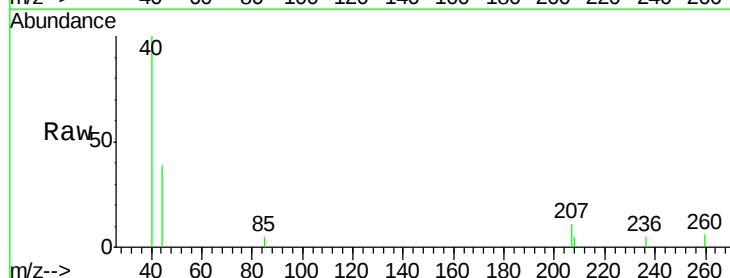
Acq: 03 Feb 2020 12:20

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

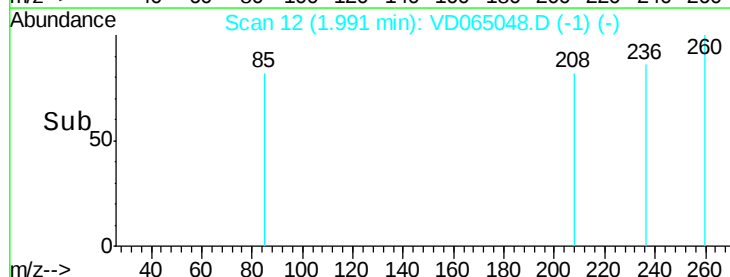
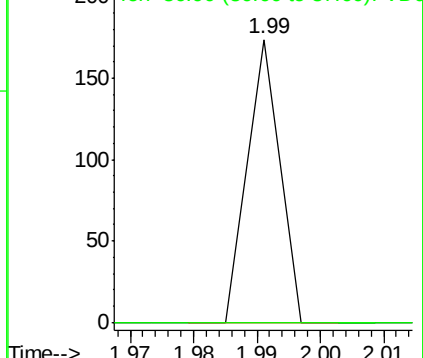
85 100

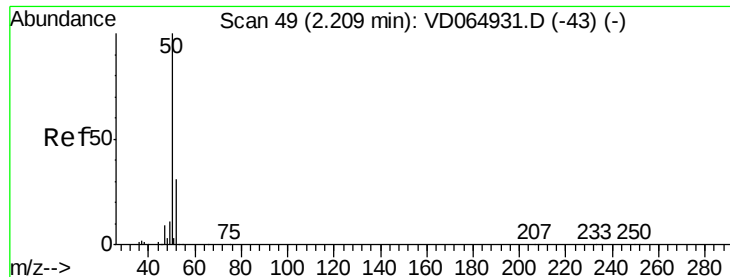
87 0.0 15.8 47.3#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.117 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

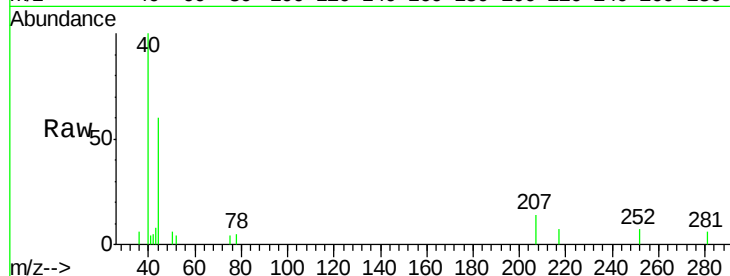
628-629RE

Tot Ion: 50 Resp: 316

Ion Ratio Lower Upper

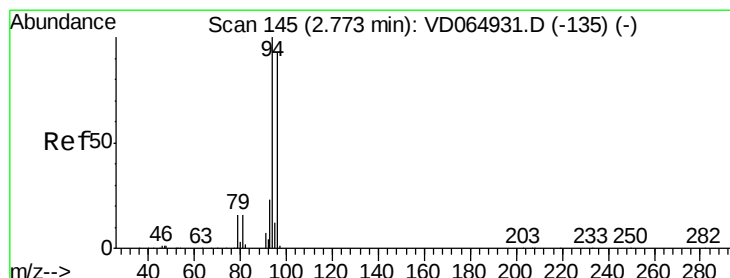
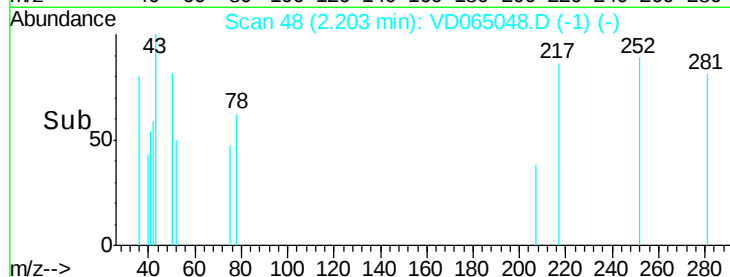
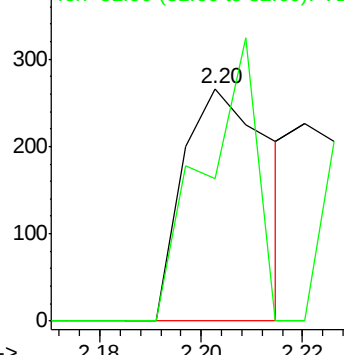
50 100

52 61.3 24.6 36.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: 1.279 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065048.D

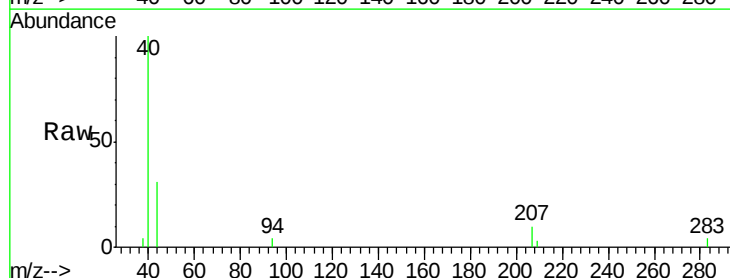
Acq: 03 Feb 2020 12:20

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

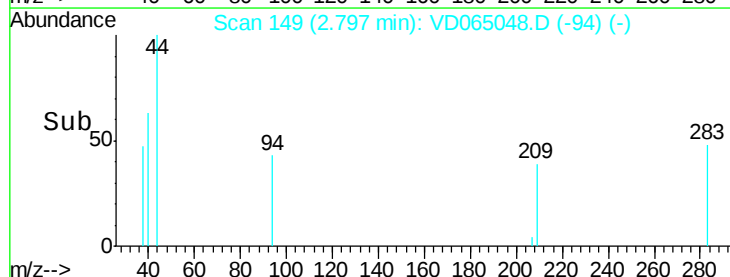
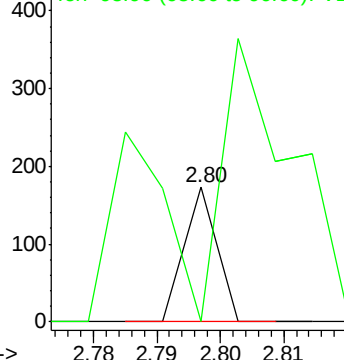
94 100

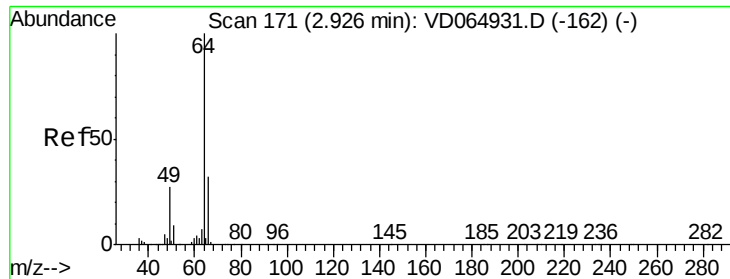
96 0.0 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 2.588 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

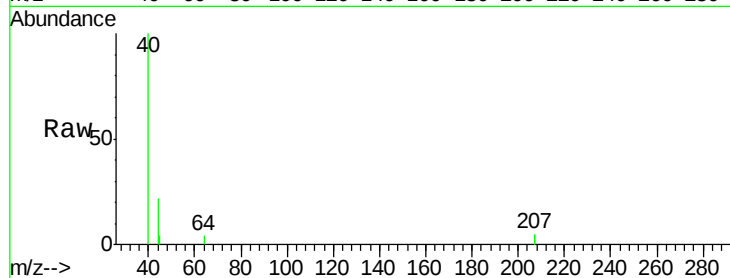
628-629RE

Tot Ion: 64 Resp: 121

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

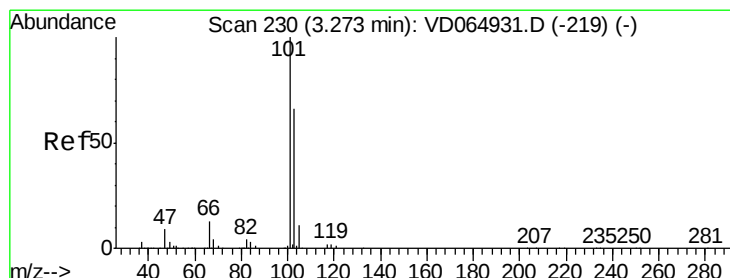
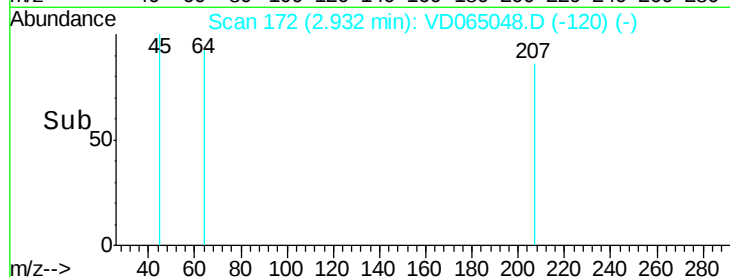
150

100

50

0

Time-->



#7

Trichlorofluoromethane

Concen: 1.899 ug/l

RT: 3.30 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD065048.D

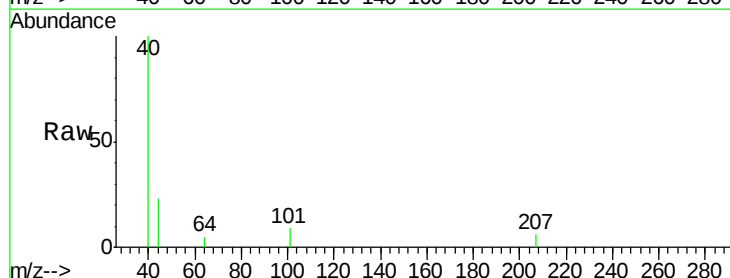
Acq: 03 Feb 2020 12:20

Tgt Ion: 101 Resp: 208

Ion Ratio Lower Upper

101 100

103 0.0 52.5 78.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.30

400

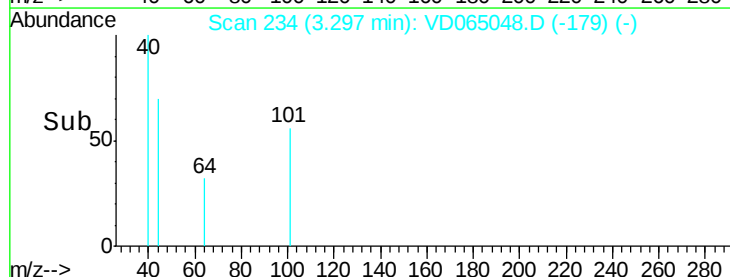
300

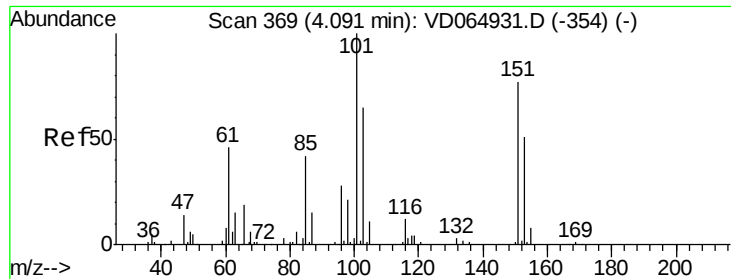
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.158 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

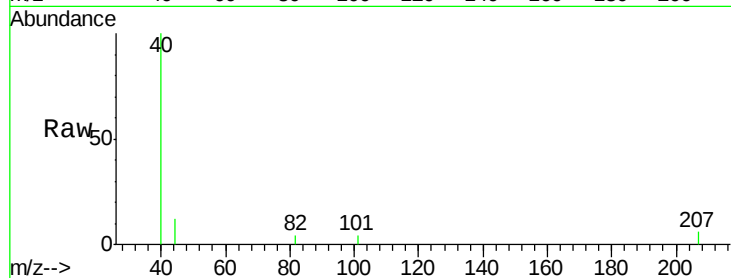
Tot Ion:101 Resp: 59

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

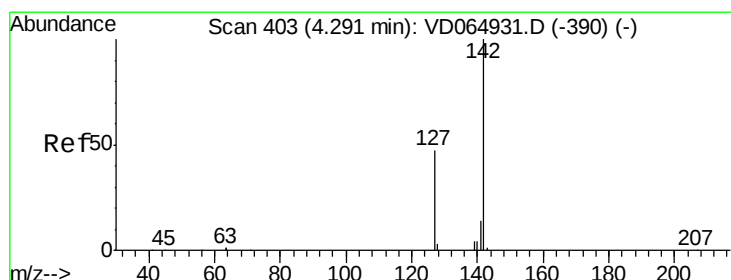
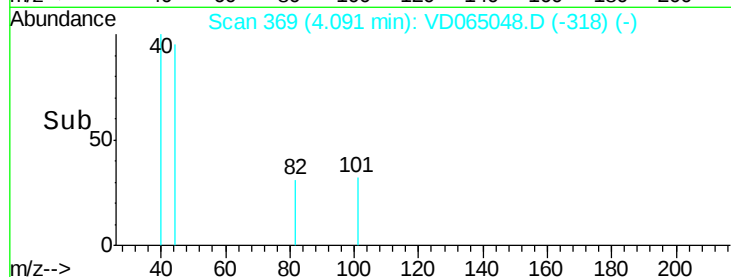
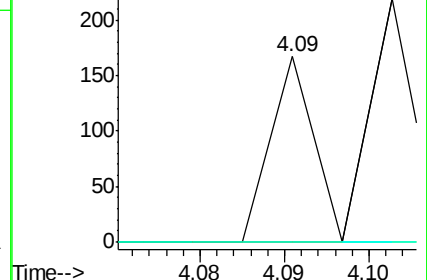
151 0.0 64.6 96.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.089 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.04 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

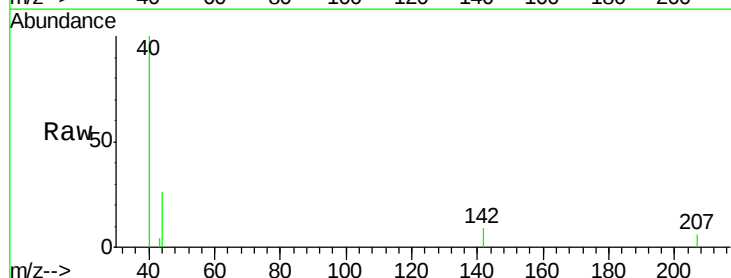
Tgt Ion:142 Resp: 113

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.2#

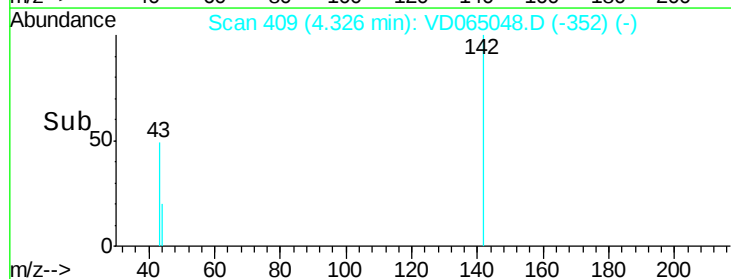
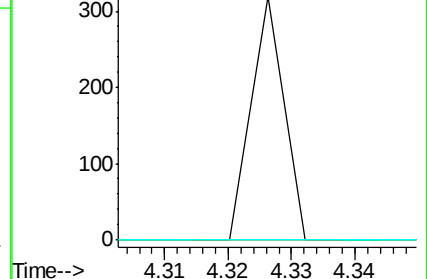
141 0.0 11.6 17.4#

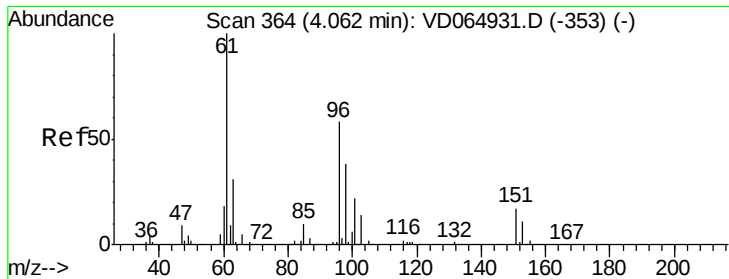


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

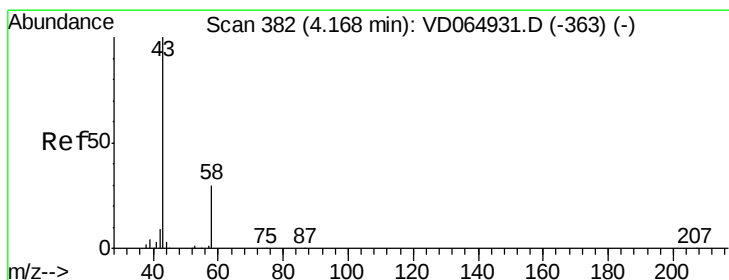
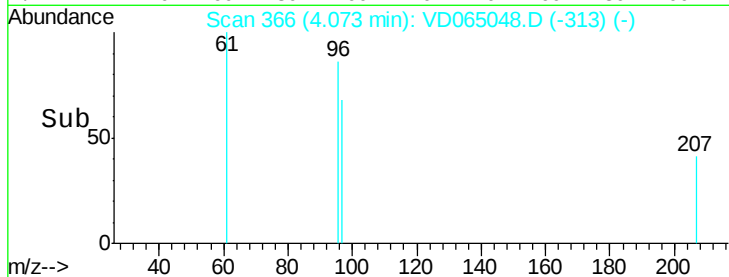
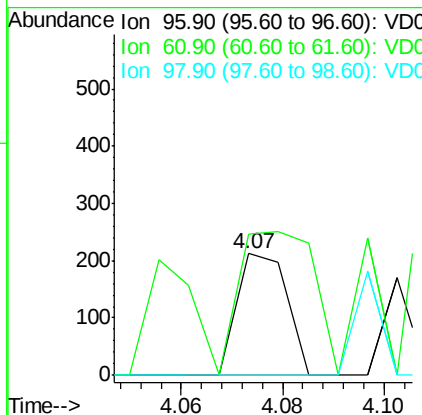
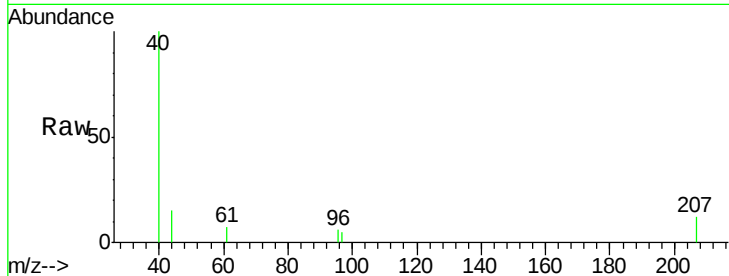




#12  
 1,1-Dichloroethene  
 Concen: 2.978 ug/l  
 RT: 4.07 min Scan# 366  
 Delta R.T. 0.01 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

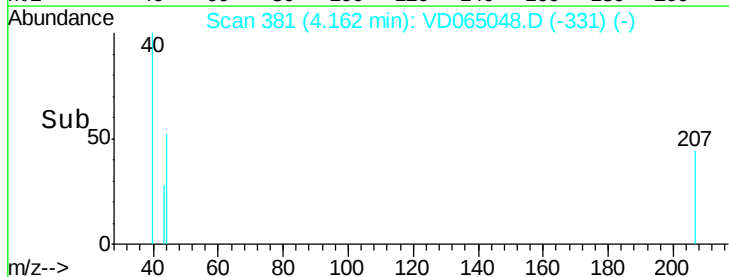
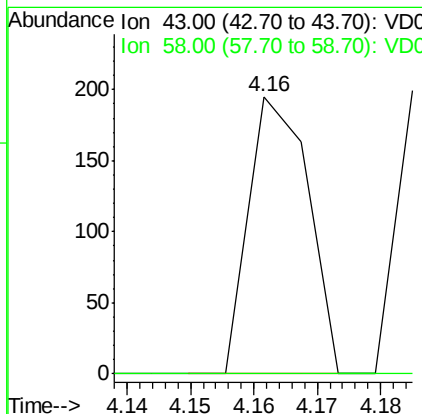
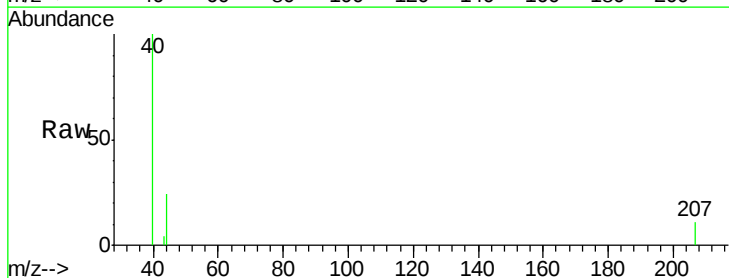
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 628-629RE

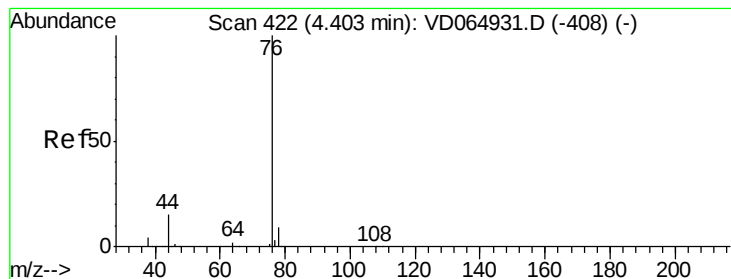
Tot Ion: 96 Resp: 145  
 Ion Ratio Lower Upper  
 96 100  
 61 116.0 137.0 205.4#  
 98 0.0 52.1 78.1#



#16  
 Acetone  
 Concen: 21.779 ug/l  
 RT: 4.16 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

Tgt Ion: 43 Resp: 126  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 23.8 35.8#





#17

Carbon Disulfide

Concen: 1.560 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

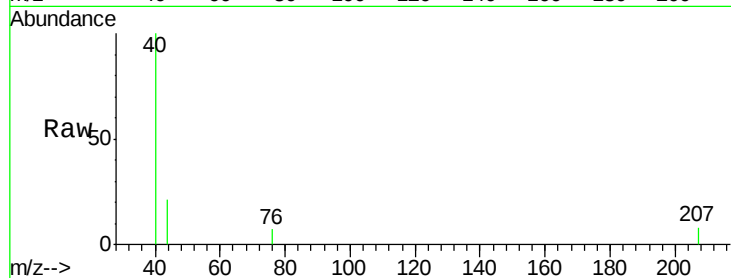
628-629RE

Tot Ion: 76 Resp: 250

Ion Ratio Lower Upper

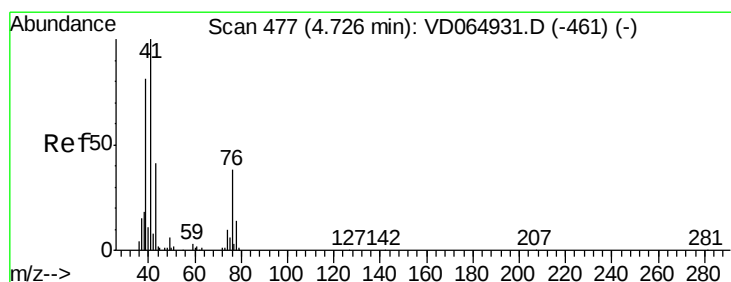
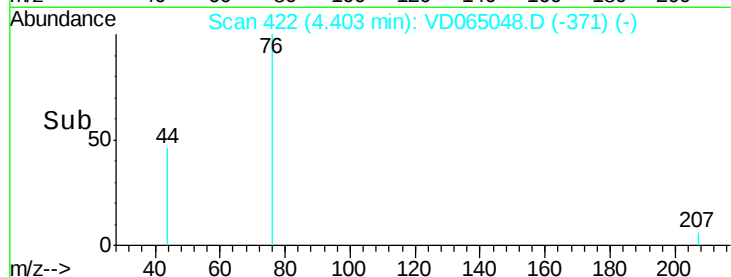
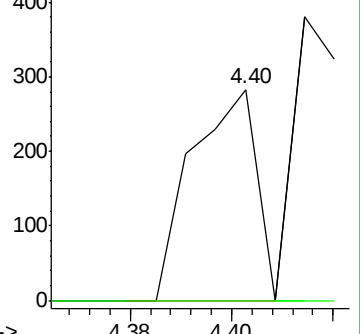
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 2.388 ug/l

RT: 4.75 min Scan# 481

Delta R.T. 0.02 min

Lab File: VD065048.D

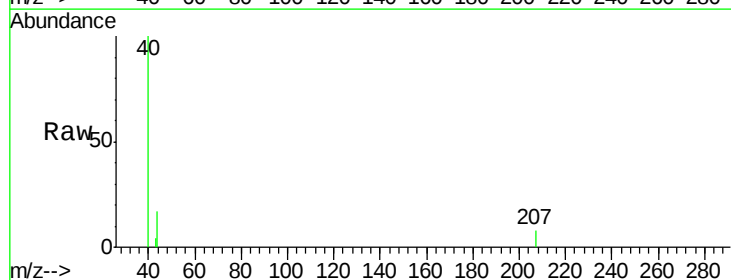
Acq: 03 Feb 2020 12:20

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

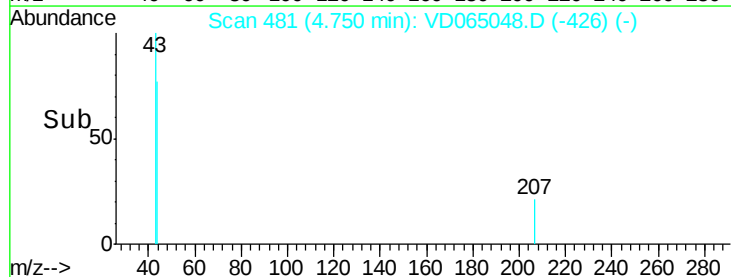
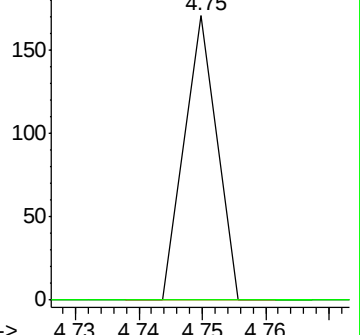
43 100

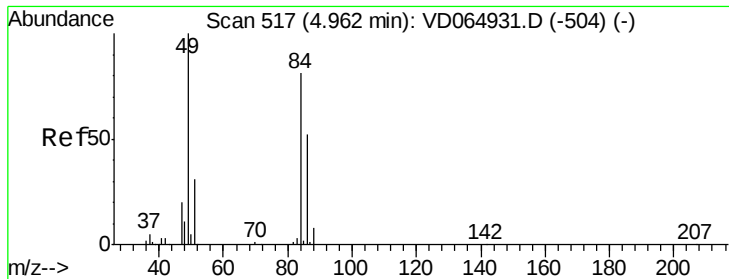
74 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleID :

628-629RE

Tot Ion: 84 Resp: 215

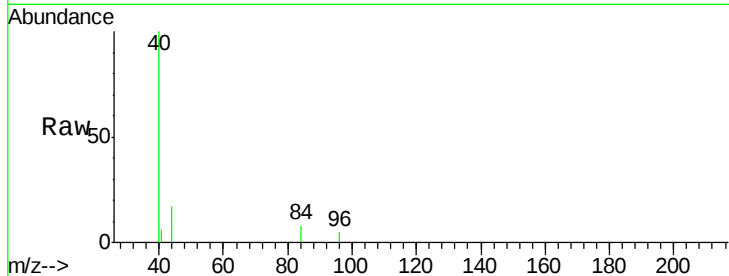
Ion Ratio Lower Upper

84 100

49 0.0 98.4 147.6#

51 0.0 30.8 46.2#

86 0.0 51.0 76.6#

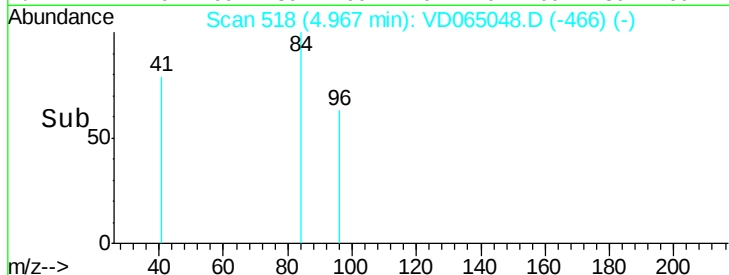
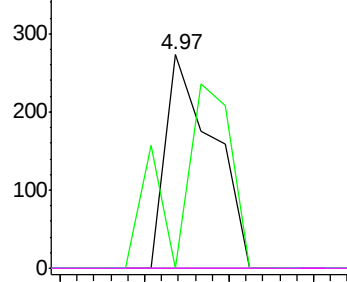


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#21

trans-1,2-Dichloroethene

Concen: 5.313 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

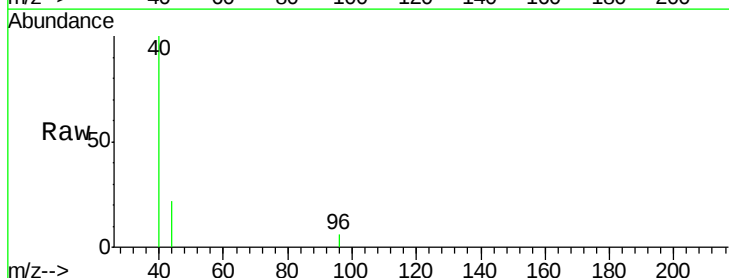
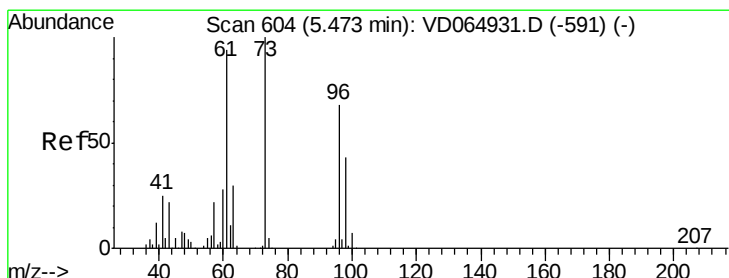
Tgt Ion: 96 Resp: 298

Ion Ratio Lower Upper

96 100

61 0.0 110.4 165.6#

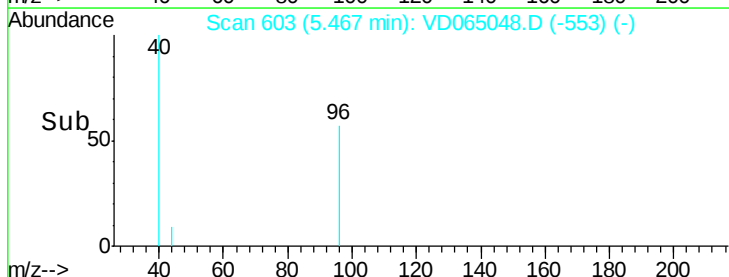
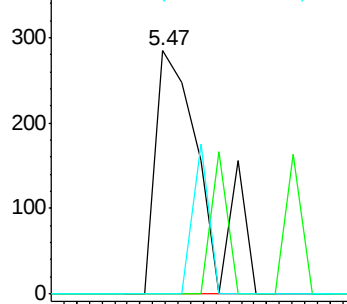
98 0.0 50.5 75.7#

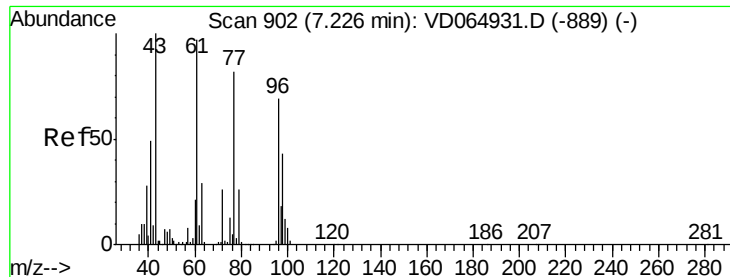


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#25

2-Butanone

Concen: 3.726 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

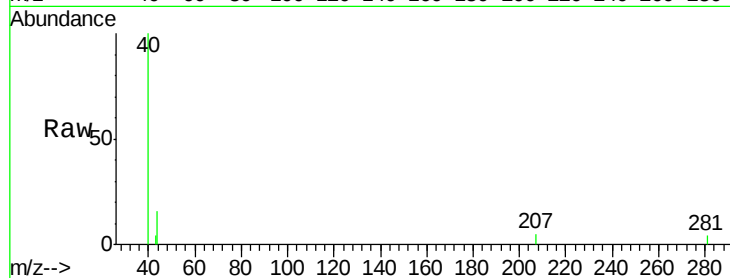
628-629RE

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

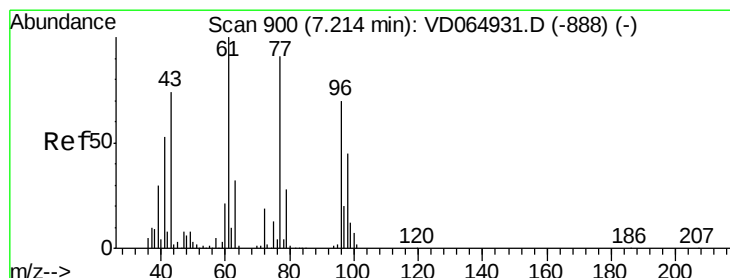
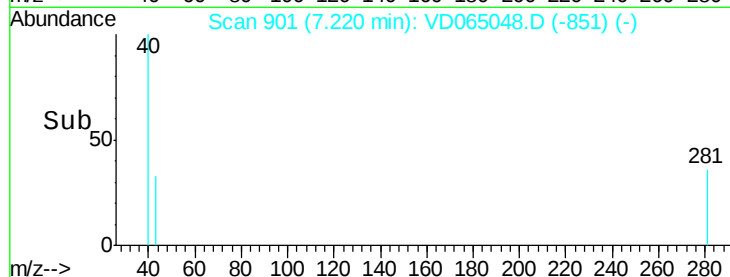
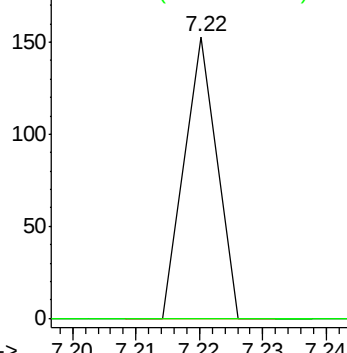
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 1.219 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

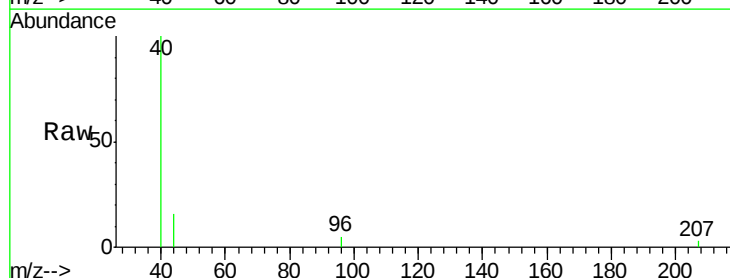
Tgt Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 184.9 0.0 292.8

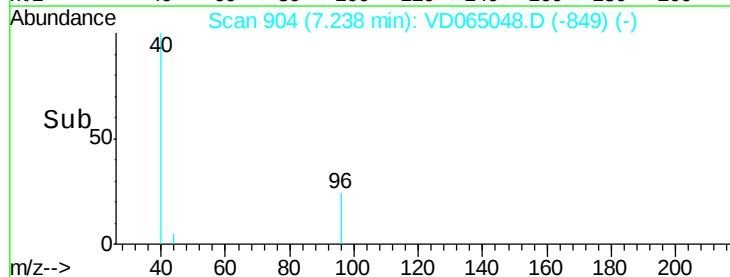
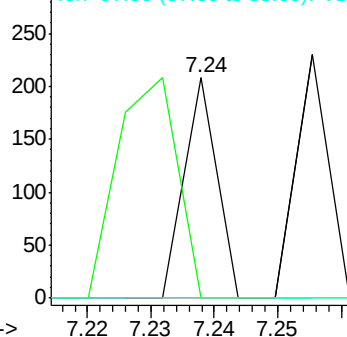
98 0.0 0.0 130.0

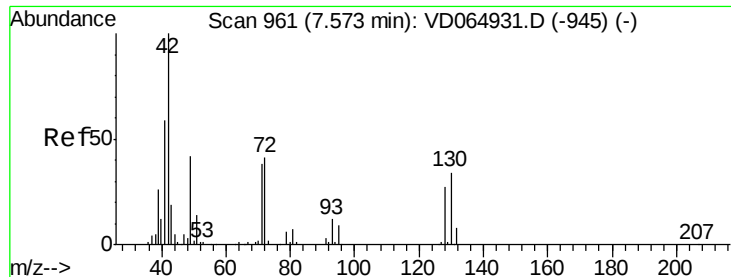


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#29

Tetrahydrofuran

Concen: 16.773 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

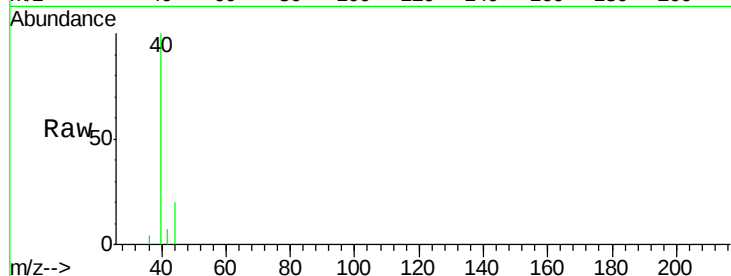
Tot Ion: 42 Resp: 150

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

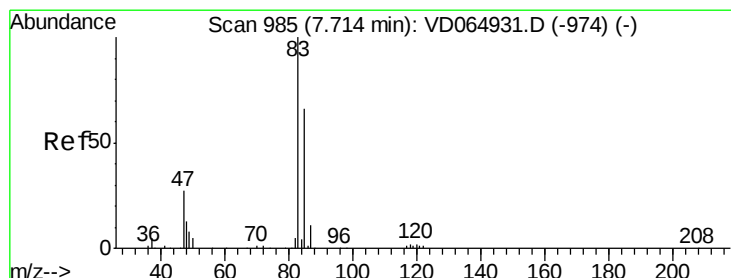
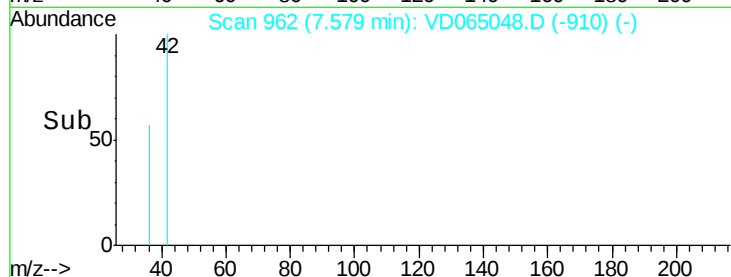
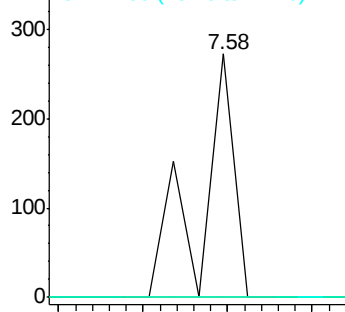
71 0.0 31.5 47.3#



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: 2.474 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD065048.D

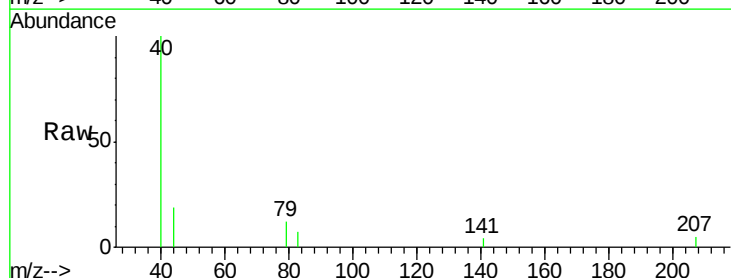
Acq: 03 Feb 2020 12:20

Tgt Ion: 83 Resp: 243

Ion Ratio Lower Upper

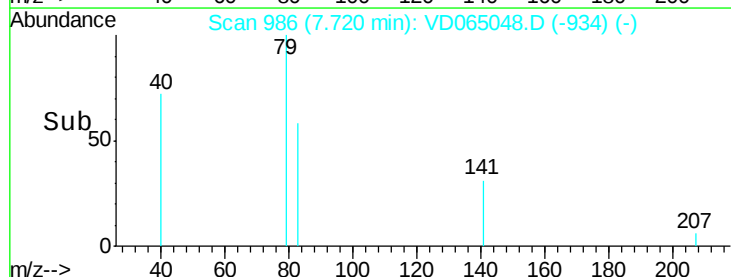
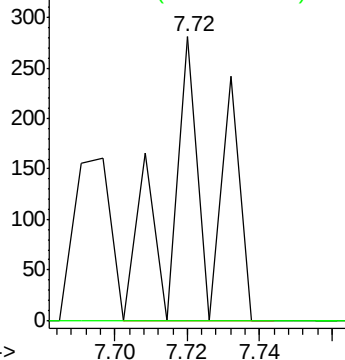
83 100

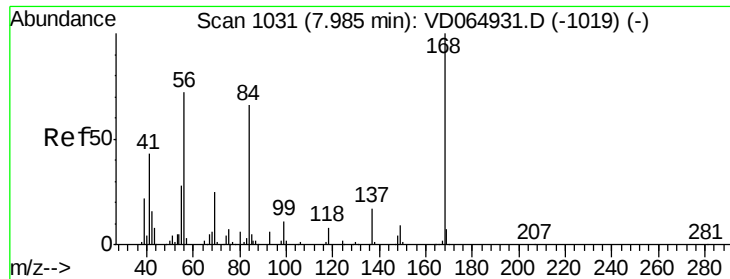
85 0.0 52.4 78.6#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

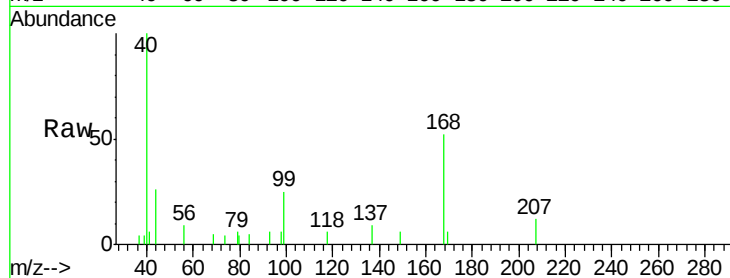




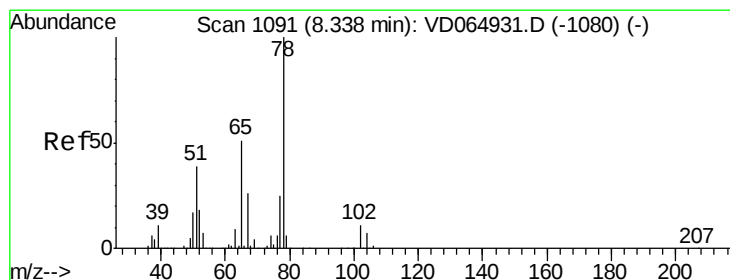
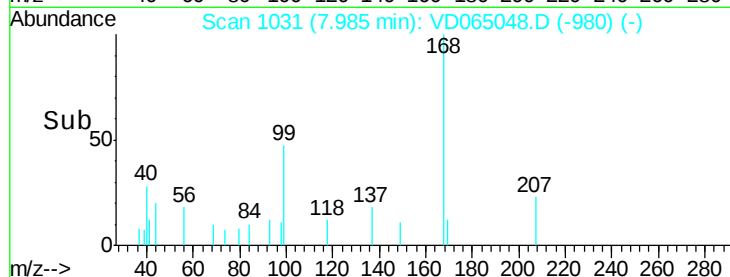
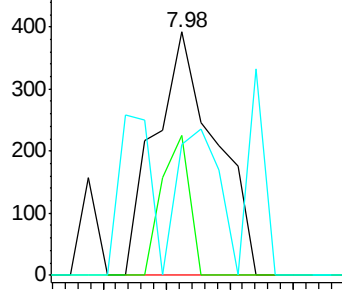
#31  
Cyclohexane  
Concen: 5.553 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
628-629RE

Tot Ion: 56 Resp: 519  
Ion Ratio Lower Upper  
56 100  
69 57.7 27.9 41.9#  
84 53.8 72.8 109.2#

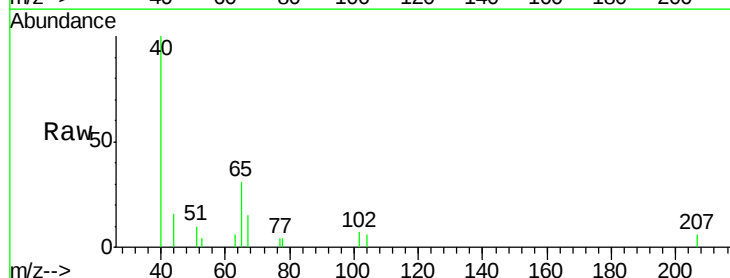


Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

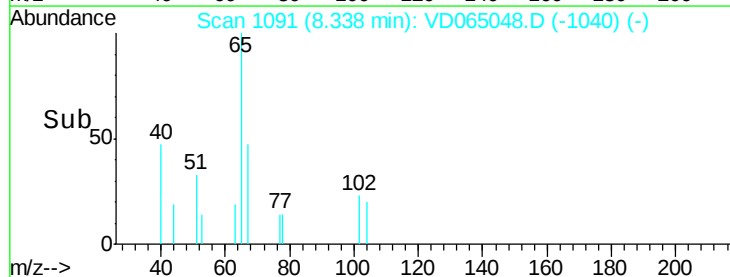
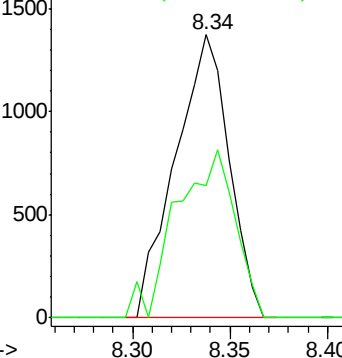


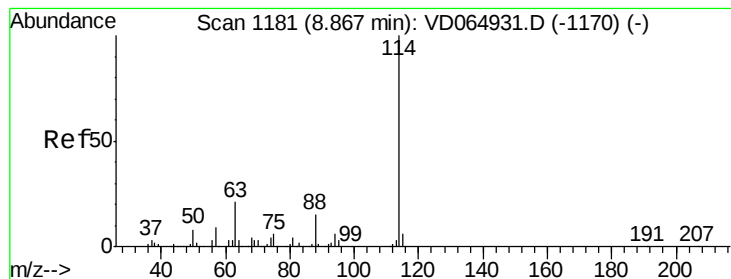
#33  
1,2-Dichloroethane-d4  
Concen: 48.799 ug/l  
RT: 8.34 min Scan# 1091  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Tgt Ion: 65 Resp: 2618  
Ion Ratio Lower Upper  
65 100  
67 64.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC  
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

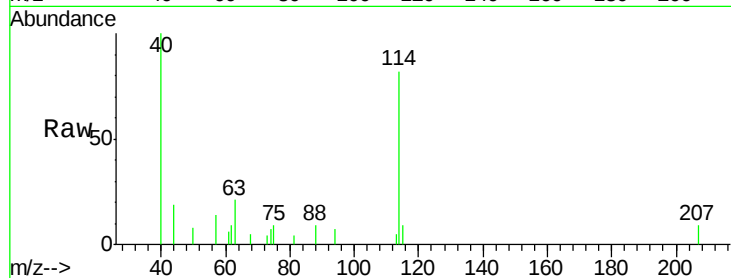
Tot Ion:114 Resp: 7440

Ion Ratio Lower Upper

114 100

63 25.2 0.0 42.0

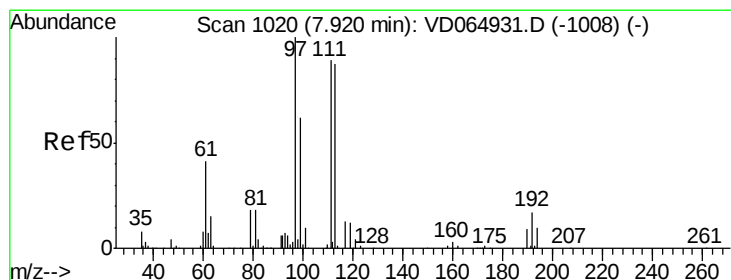
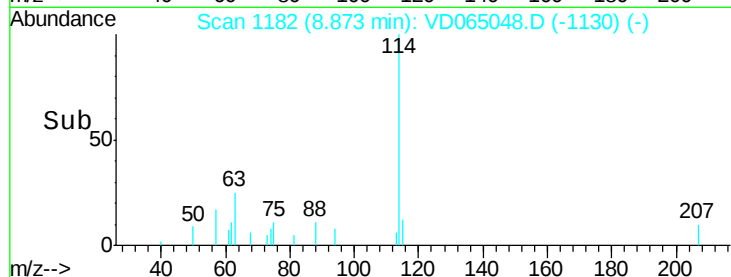
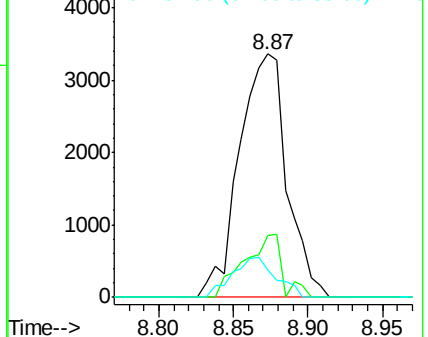
88 11.4 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.386 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

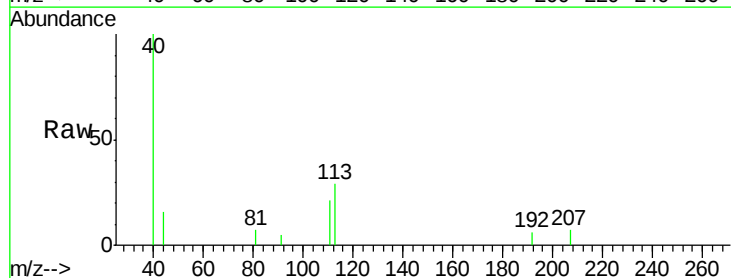
Tgt Ion:113 Resp: 2496

Ion Ratio Lower Upper

113 100

111 94.5 82.4 123.6

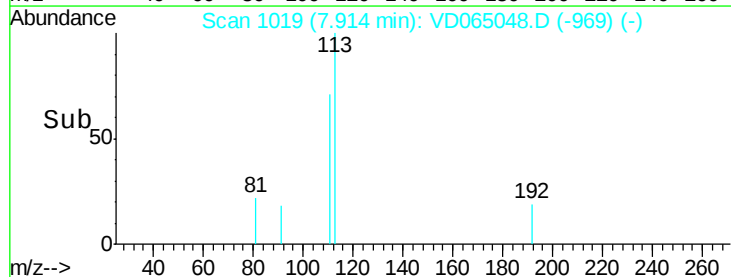
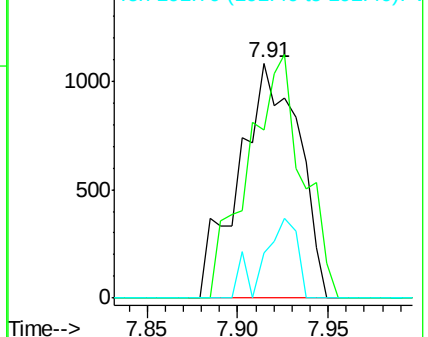
192 19.2 16.9 25.3

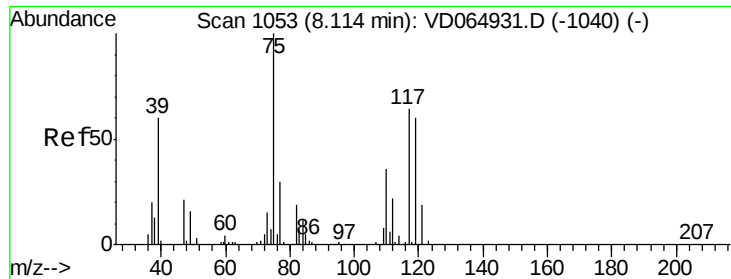


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.227 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

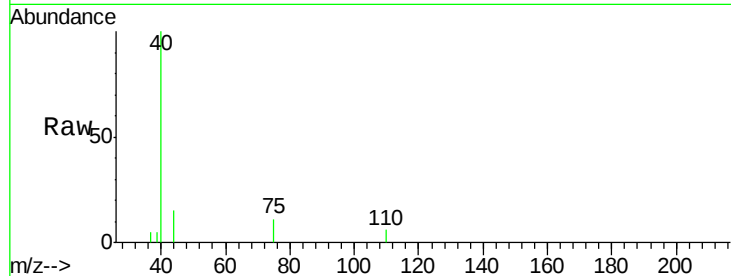
Tot Ion: 75 Resp: 375

Ion Ratio Lower Upper

75 100

110 42.9 17.3 52.0

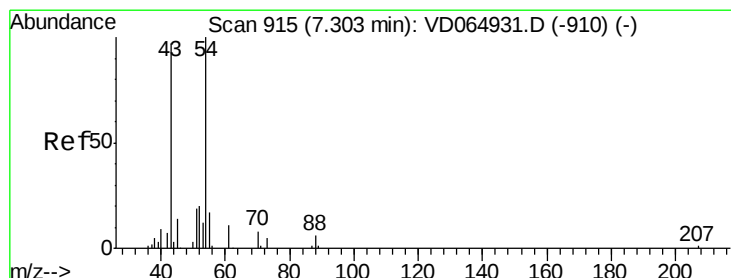
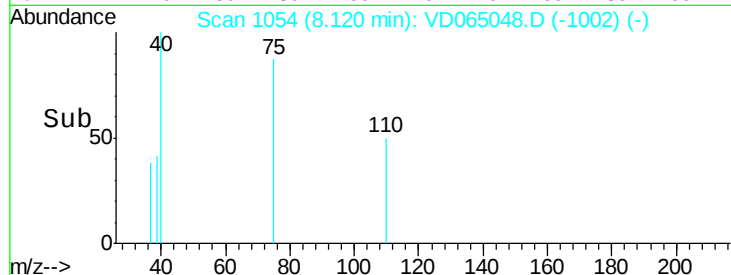
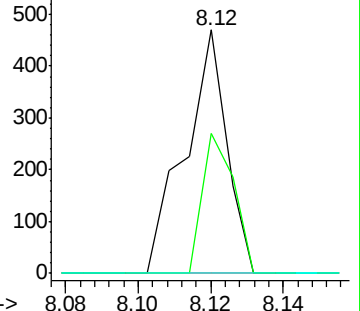
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 4.252 ug/l

RT: 7.35 min Scan# 923

Delta R.T. 0.05 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

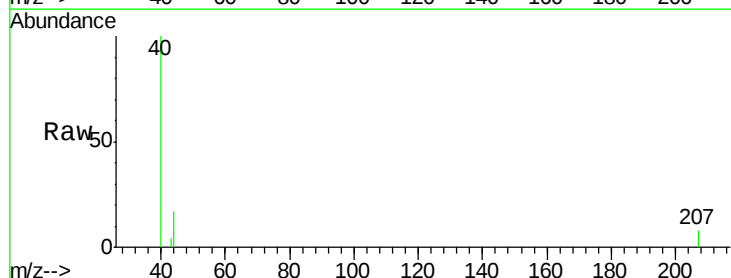
Tgt Ion: 43 Resp: 126

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

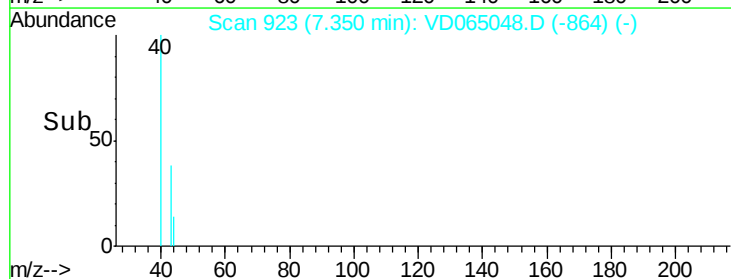
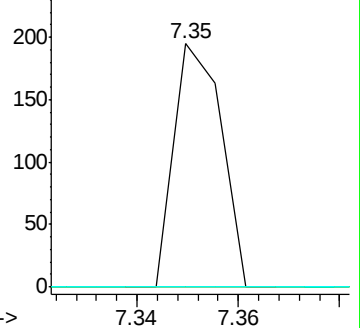
70 0.0 7.5 11.3#

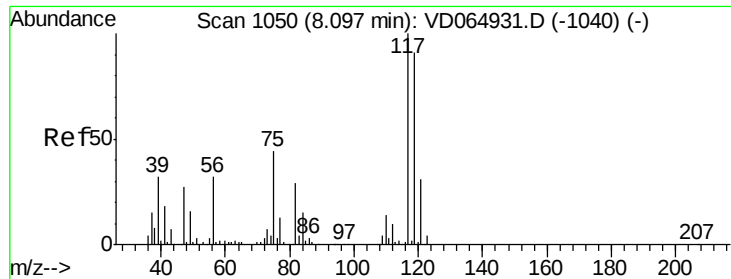


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 2.888 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

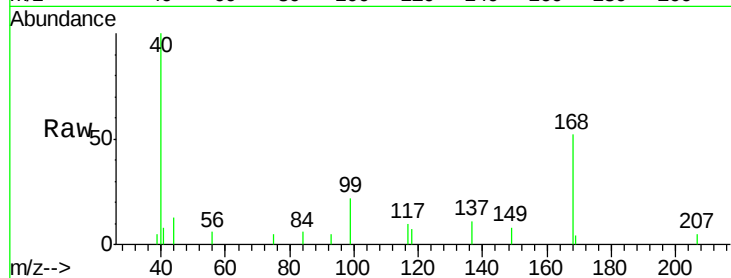
Tot Ion:117 Resp: 219

Ion Ratio Lower Upper

117 100

119 0.0 73.2 109.8#

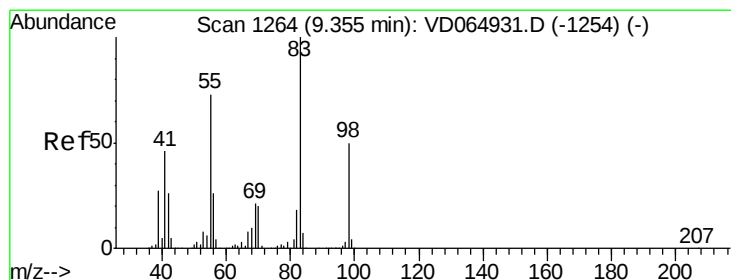
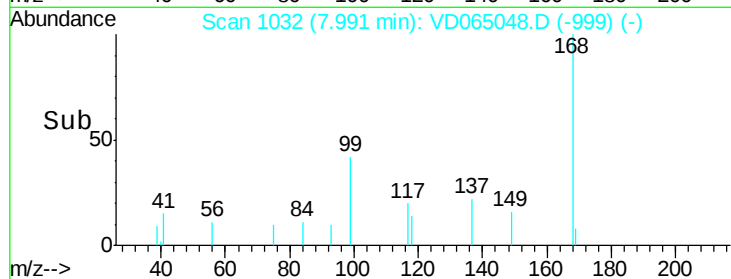
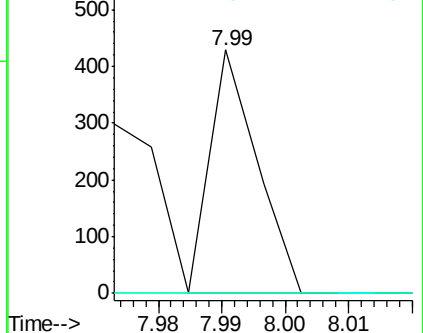
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 6.319 ug/l

RT: 9.37 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

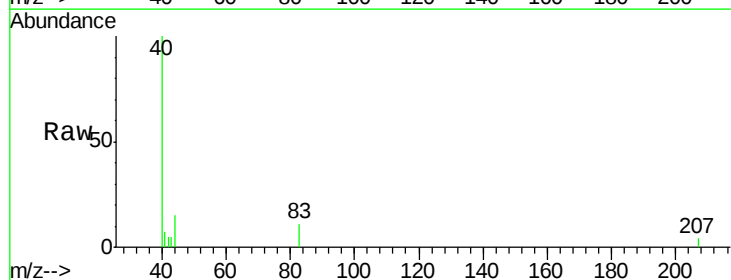
Tgt Ion: 83 Resp: 530

Ion Ratio Lower Upper

83 100

55 0.0 58.7 88.1#

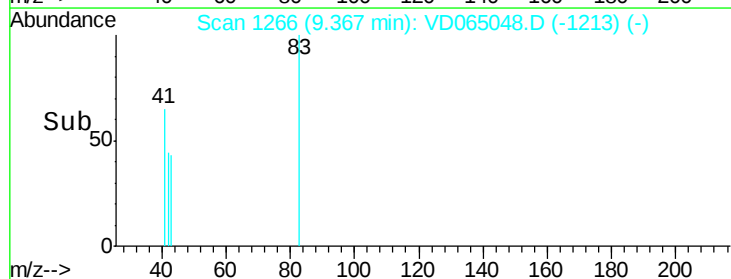
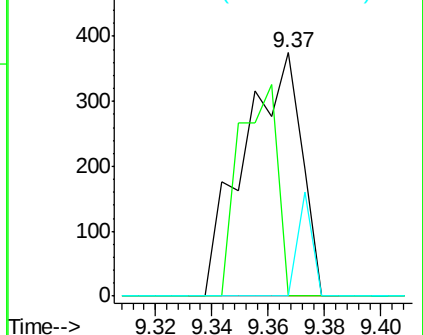
98 0.0 40.2 60.2#

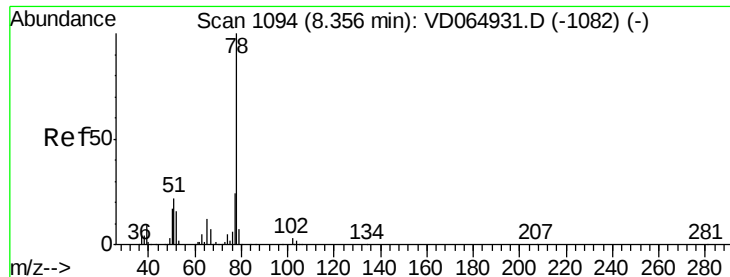


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 5.673 ug/l

RT: 8.37 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampled :

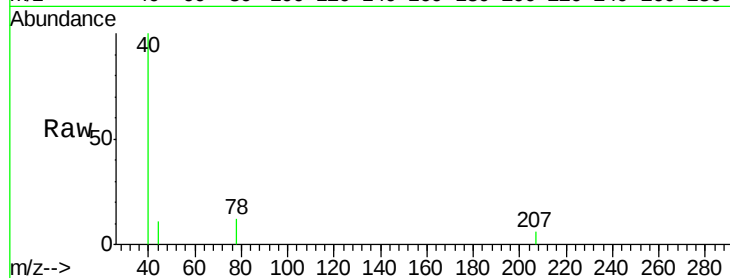
628-629RE

Tot Ion: 78 Resp: 1121

Ion Ratio Lower Upper

78 100

77 0.0 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.37

500

400

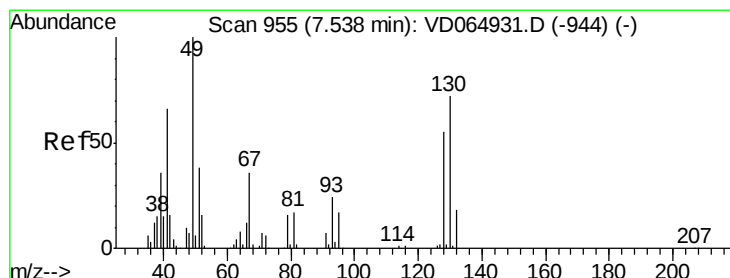
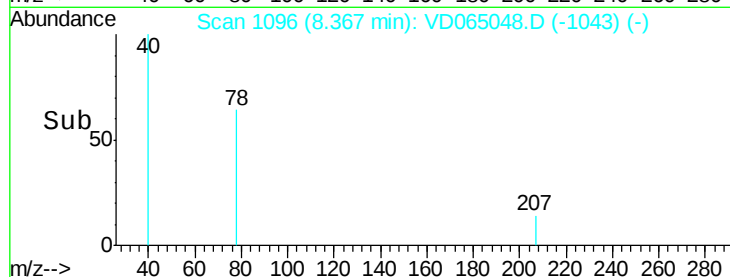
300

200

100

0

Time--> 8.30 8.35 8.40



#41

Methacrylonitrile

Concen: 4.448 ug/l

RT: 7.42 min Scan# 935

Delta R.T. -0.12 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Tgt Ion: 41 Resp: 71

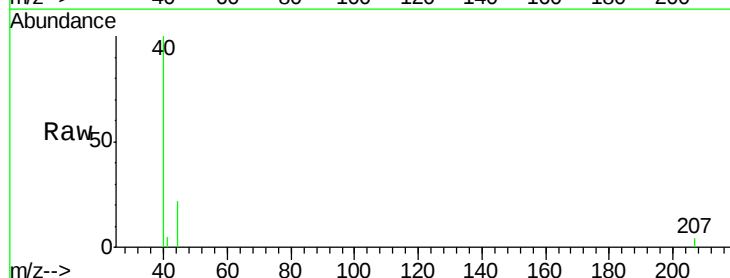
Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

7.42

300

250

200

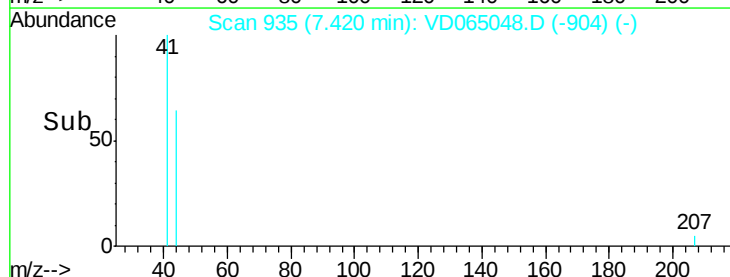
150

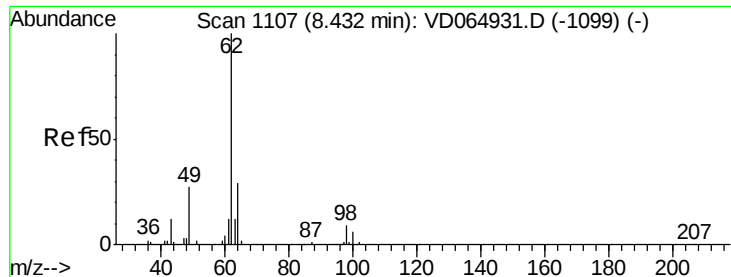
100

50

0

Time--> 7.40 7.41 7.42 7.43 7.44





#42

1,2-Dichloroethane

Concen: 2.294 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

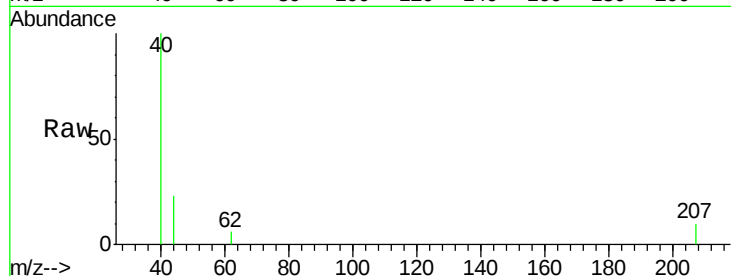
628-629RE

Tot Ion: 62 Resp: 135

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

8.43

250

200

150

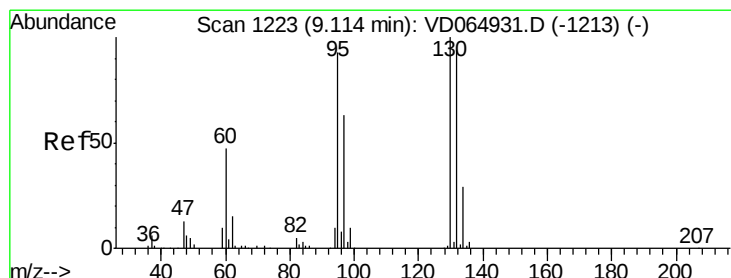
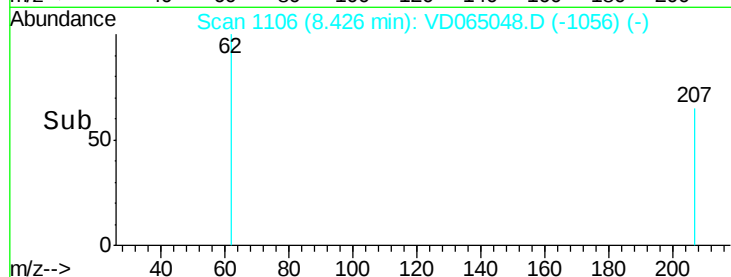
100

50

0

8.40 8.42 8.44

Time-->



#44

Trichloroethene

Concen: 9.042 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065048.D

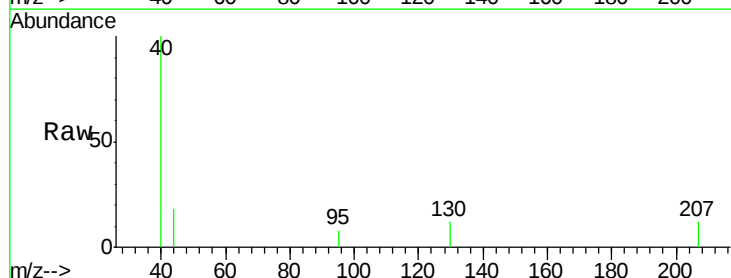
Acq: 03 Feb 2020 12:20

Tgt Ion: 130 Resp: 500

Ion Ratio Lower Upper

130 100

95 68.6 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

9.11

500

400

300

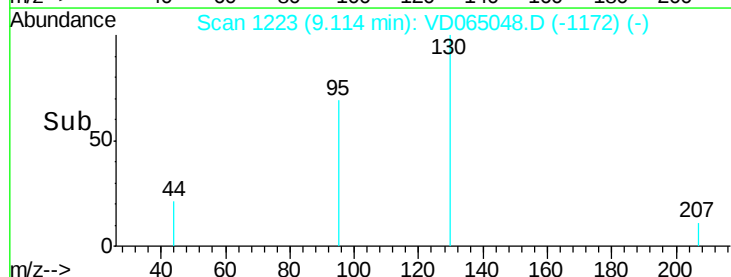
200

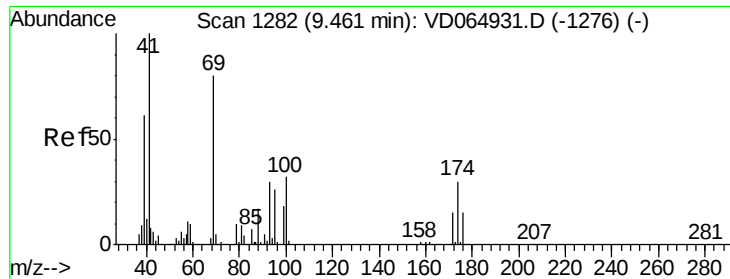
100

0

9.08 9.10 9.12 9.14

Time-->





#48

Methvl methacrylate

Concen: 2.316 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

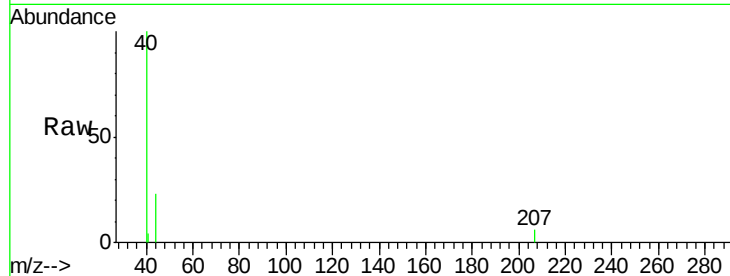
Tot Ion: 41 Resp: 60

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

39 0.0 49.4 74.0#



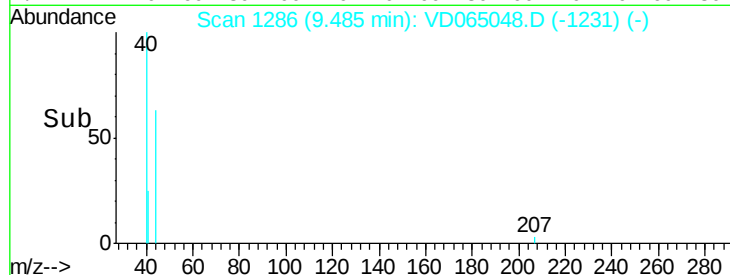
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

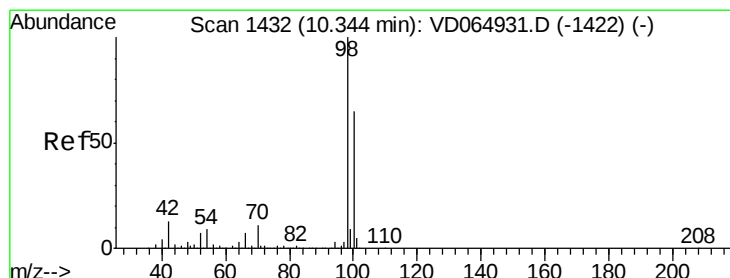
Ion 39.00 (38.70 to 39.70): VDC

9.48

9.47 9.48 9.49 9.50



Time-->



#50

Toluene-d8

Concen: 43.574 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VD065048.D

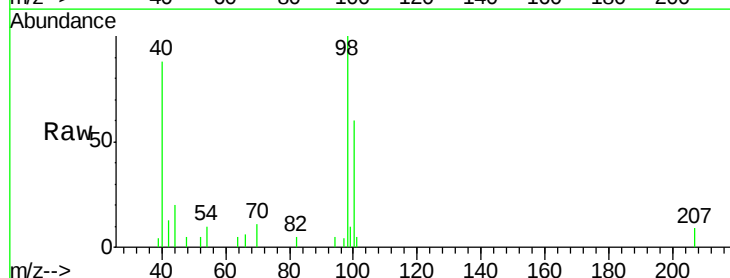
Acq: 03 Feb 2020 12:20

Tgt Ion: 98 Resp: 7863

Ion Ratio Lower Upper

98 100

100 66.3 52.3 78.5

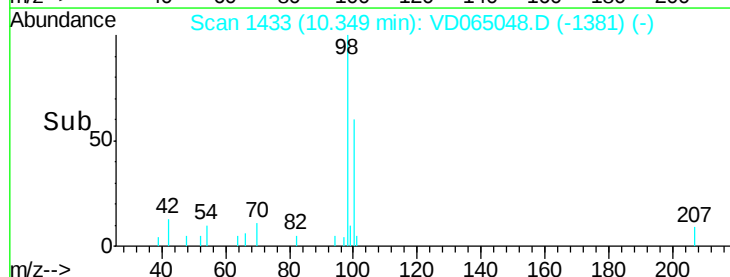


Abundance Ion 98.00 (97.70 to 98.70): VDC

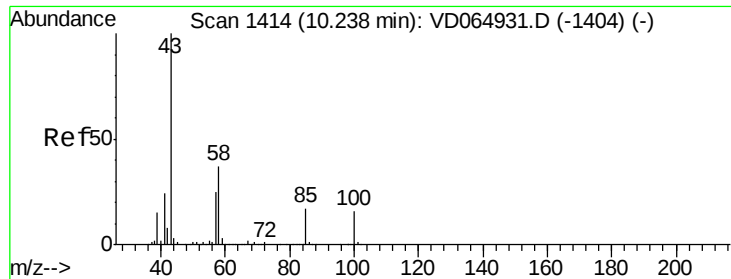
Ion 100.00 (99.70 to 100.70): VDC

10.35

10.30 10.35 10.40



Time-->



#51

4-Methyl-2-Pentanone

Concen: 26.060 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleID :

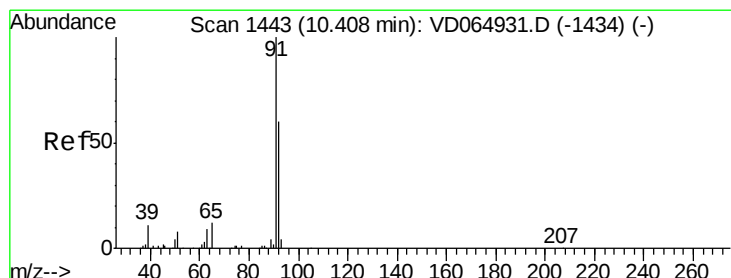
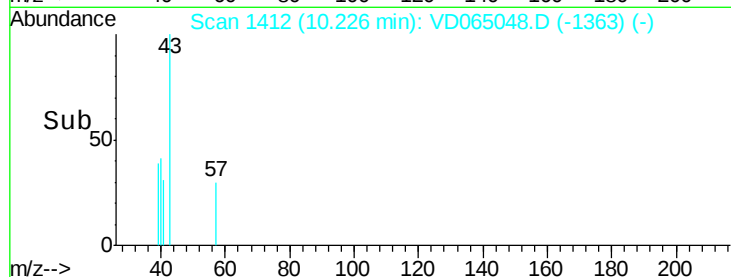
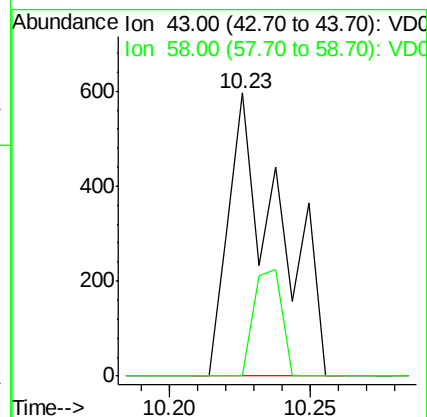
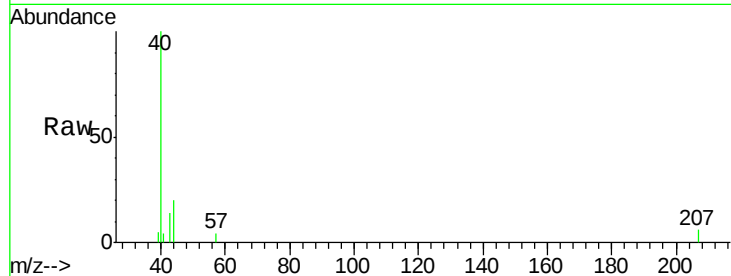
628-629RE

Tot Ion: 43 Resp: 734

Ion Ratio Lower Upper

43 100

58 21.0 30.4 45.6#



#52

Toluene

Concen: 3.375 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065048.D

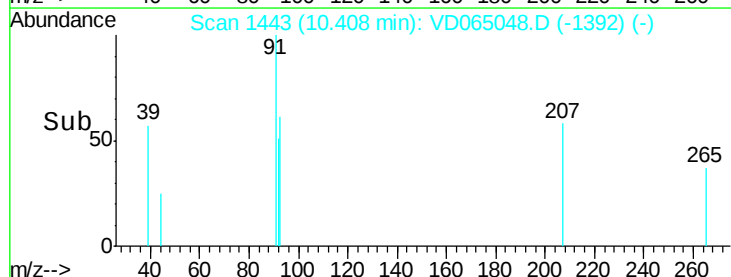
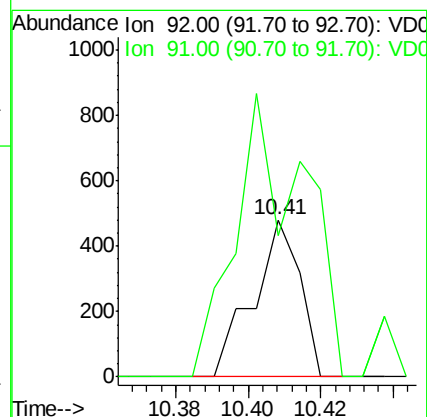
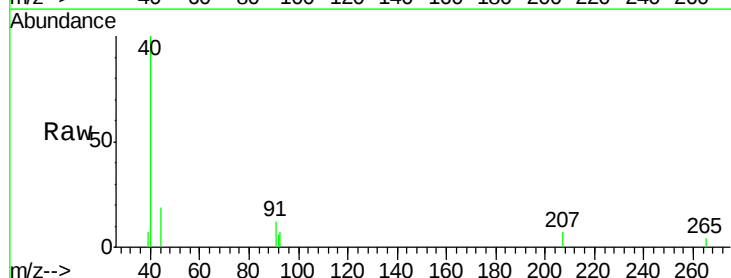
Acq: 03 Feb 2020 12:20

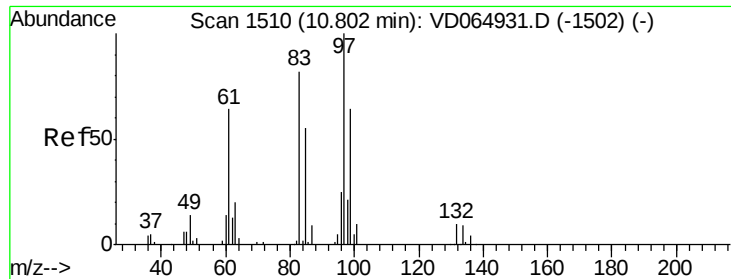
Tgt Ion: 92 Resp: 430

Ion Ratio Lower Upper

92 100

91 260.7 136.8 205.2#

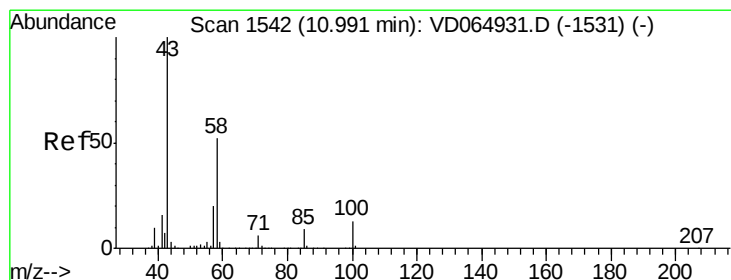
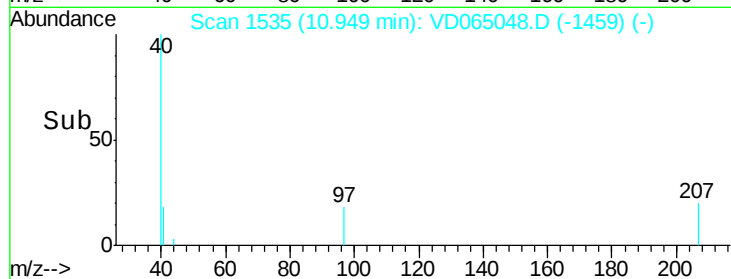
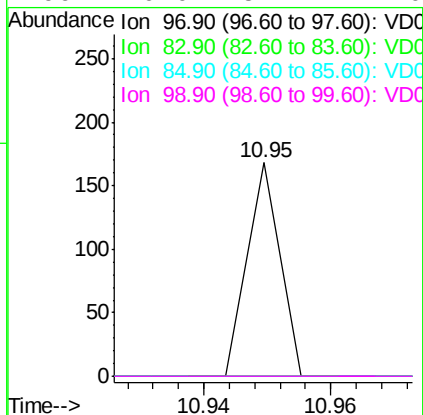
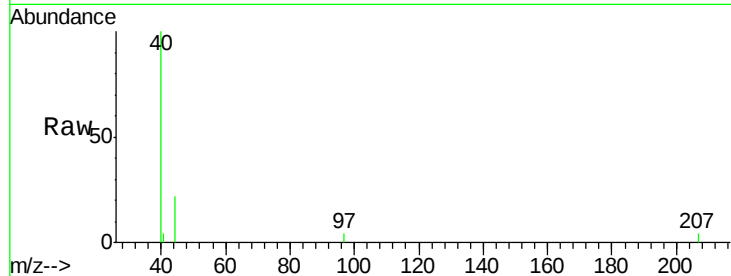




#55  
 1,1,2-Trichloroethane  
 Concen: 1.675 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.15 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

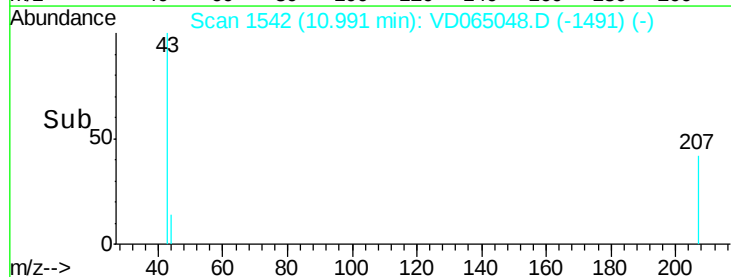
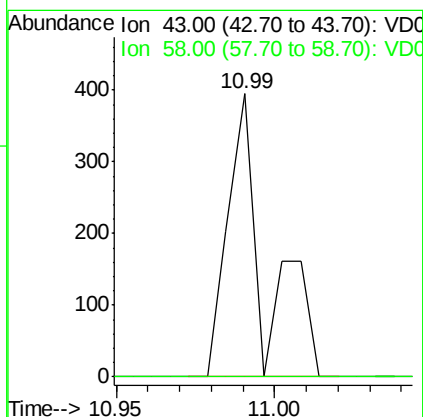
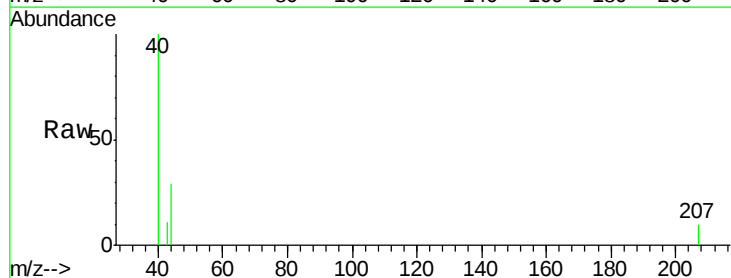
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 628-629RE

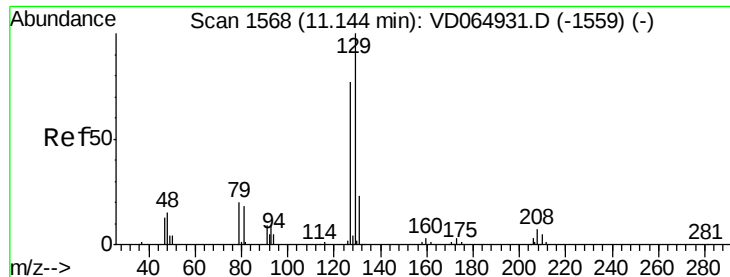
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 0.0   | 66.0  | 99.0# |
| 85      | 0.0   | 44.4  | 66.6# |
| 99      | 0.0   | 51.4  | 77.0# |



#59  
 2-Hexanone  
 Concen: 16.729 ug/l  
 RT: 10.99 min Scan# 1542  
 Delta R.T. -0.00 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 0.0   | 26.5  | 79.4# |





#60

Dibromochloromethane

Concen: 3.696 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. -0.26 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

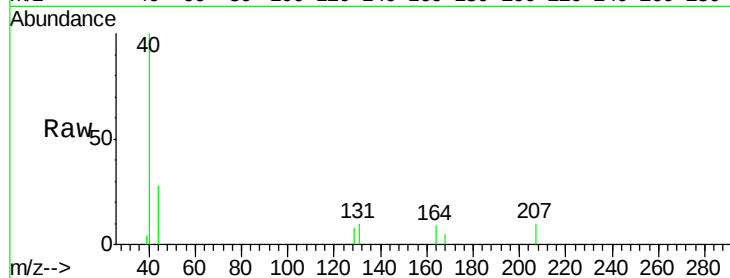
628-629RE

Tot Ion:129 Resp: 174

Ion Ratio Lower Upper

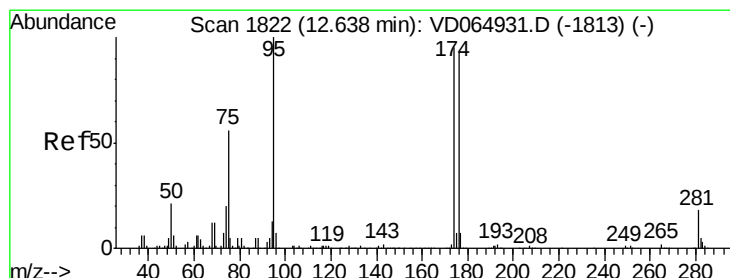
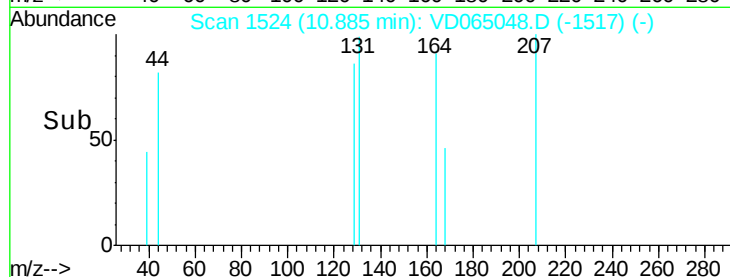
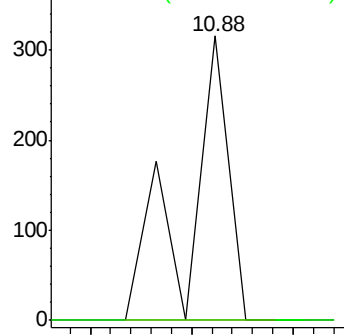
129 100

127 0.0 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 40.020 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

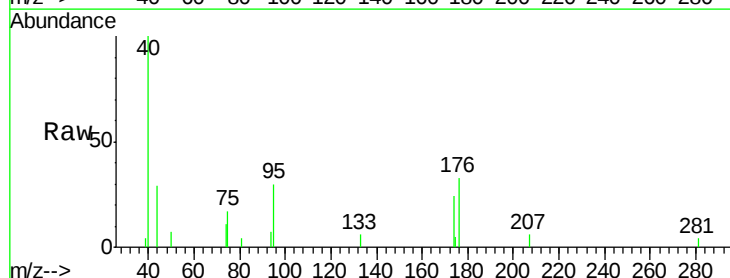
Tgt Ion: 95 Resp: 2210

Ion Ratio Lower Upper

95 100

174 87.1 0.0 186.8

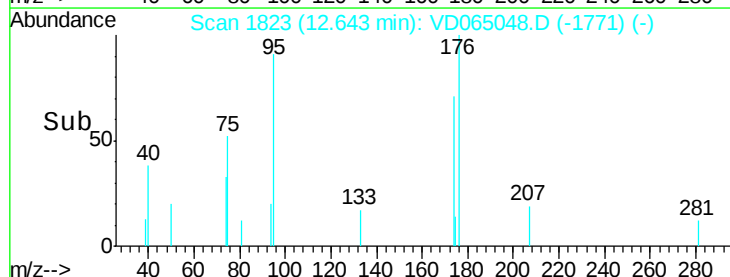
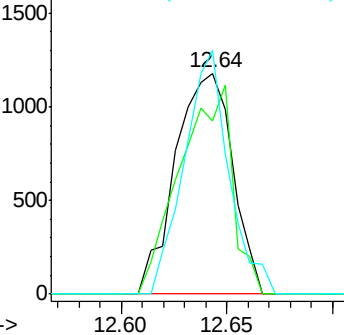
176 86.7 0.0 183.4

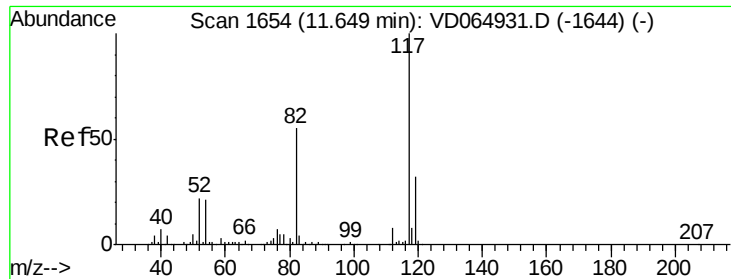


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

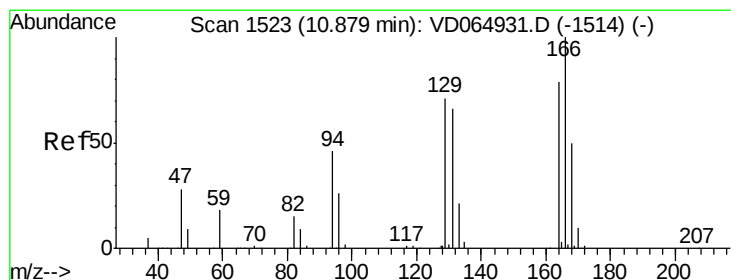
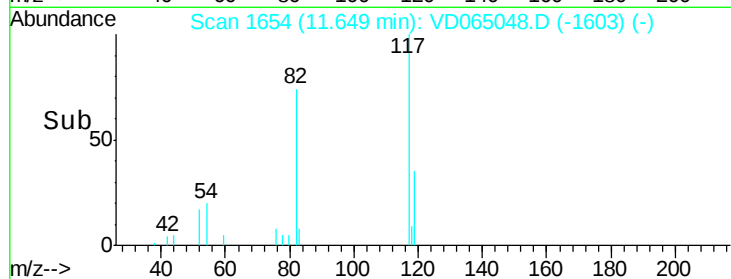
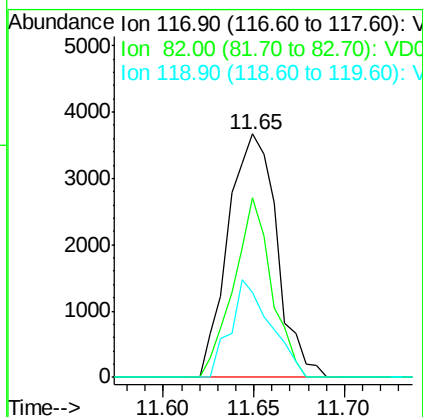
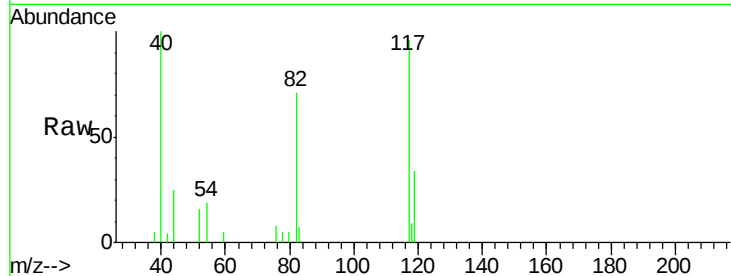




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

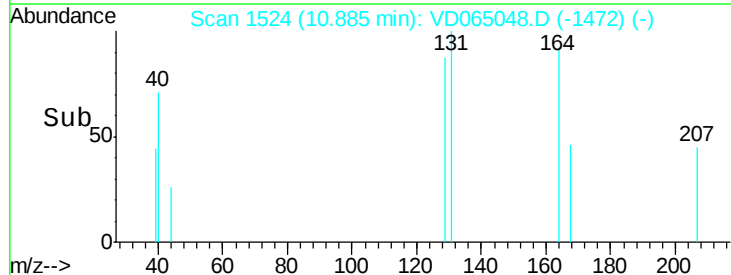
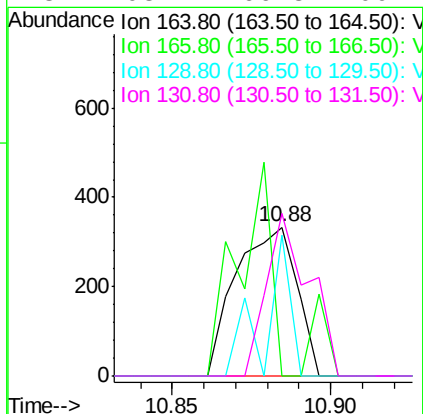
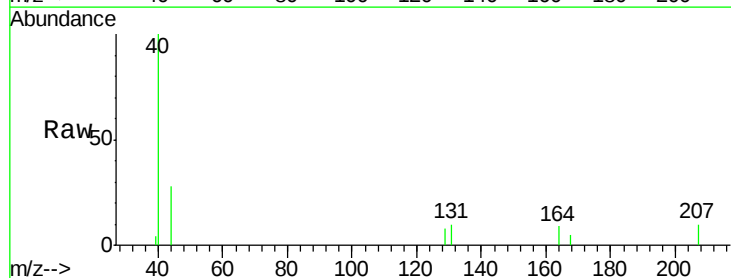
Instrument :  
MSVOA\_D  
ClientSampleId :  
628-629RE

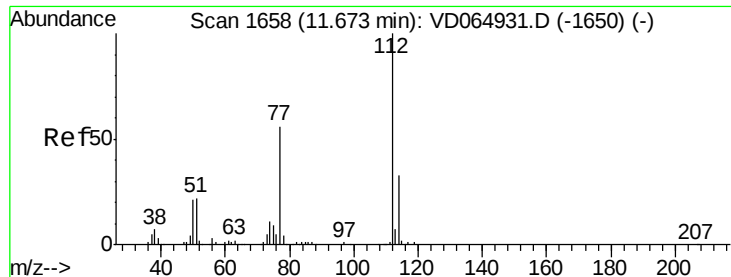
Tot Ion:117 Resp: 6854  
Ion Ratio Lower Upper  
117 100  
82 73.8 43.6 65.4#  
119 35.0 25.2 37.8



#64  
Tetrachloroethene  
Concen: 8.964 ug/l  
RT: 10.88 min Scan# 1524  
Delta R.T. 0.01 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Tgt Ion:164 Resp: 444  
Ion Ratio Lower Upper  
164 100  
166 0.0 101.4 152.2#  
129 94.6 71.8 107.8  
131 108.7 66.8 100.2#

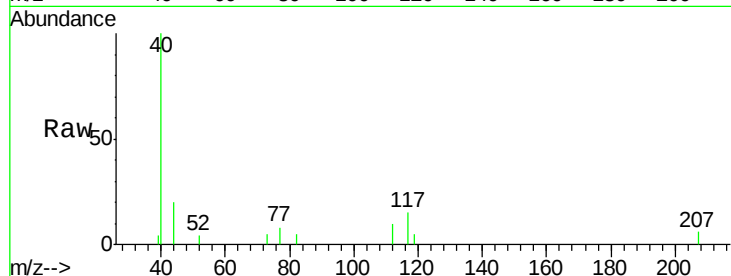




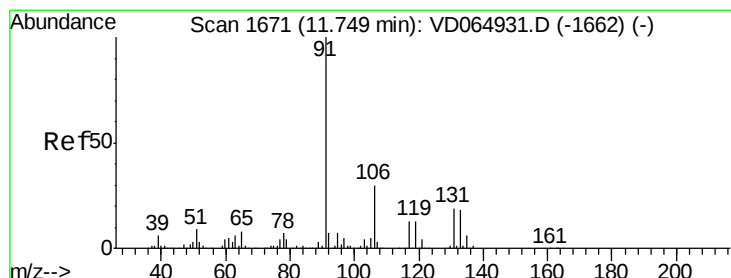
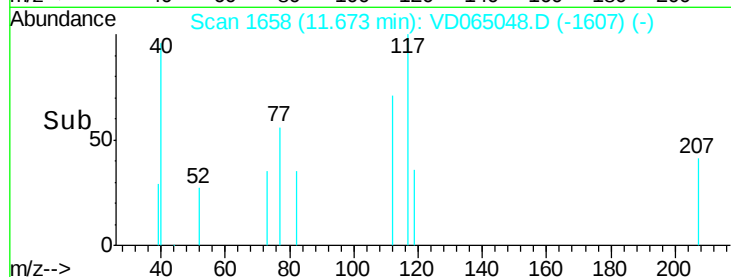
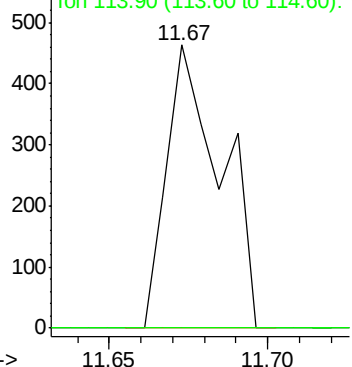
#65  
Chlorobenzene  
Concen: 3.952 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
628-629RE

Tot Ion:112 Resp: 550  
Ion Ratio Lower Upper  
112 100  
114 0.0 26.2 39.4#

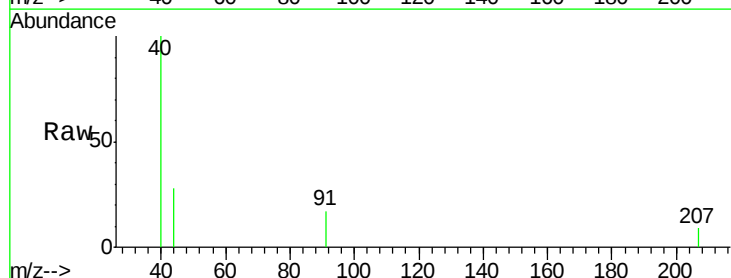


Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V

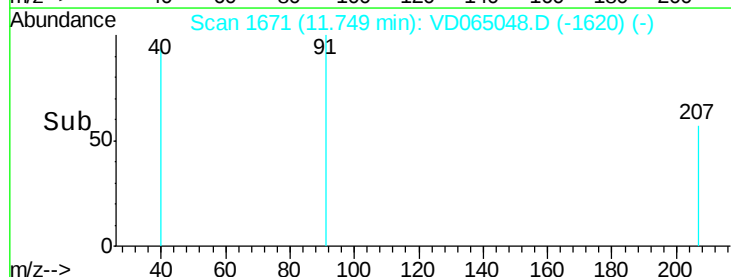
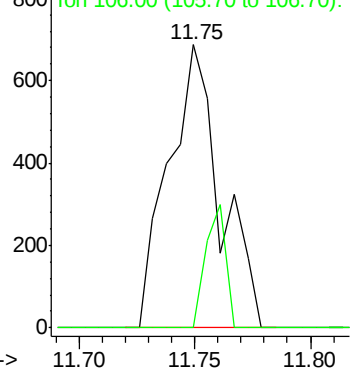


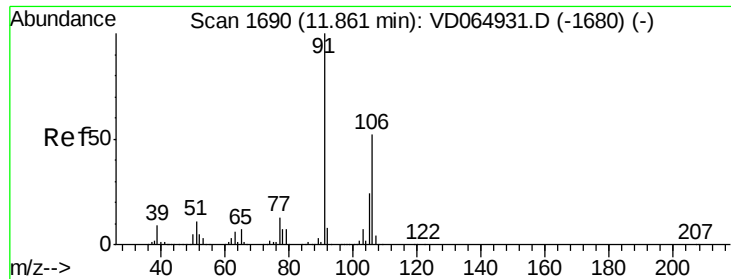
#67  
Ethyl Benzene  
Concen: 4.323 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Tgt Ion: 91 Resp: 1068  
Ion Ratio Lower Upper  
91 100  
106 0.0 24.3 36.5#



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

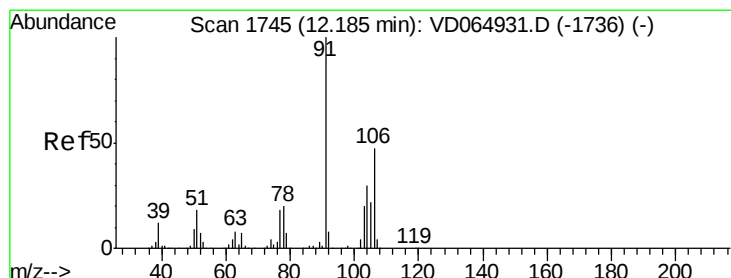
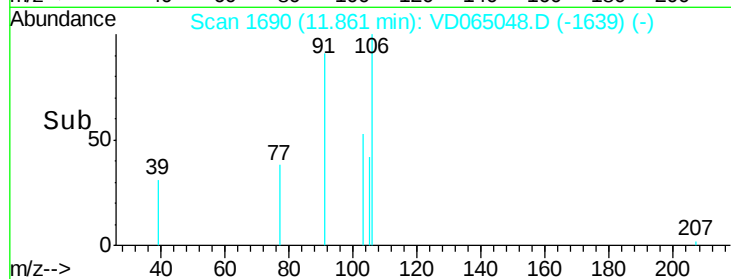
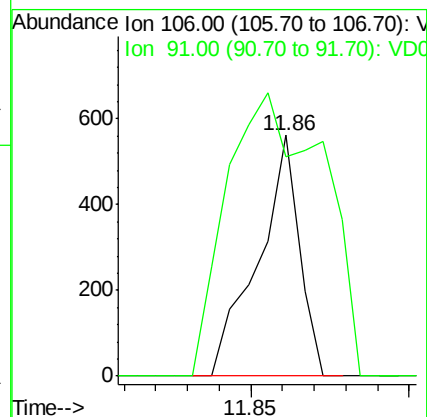
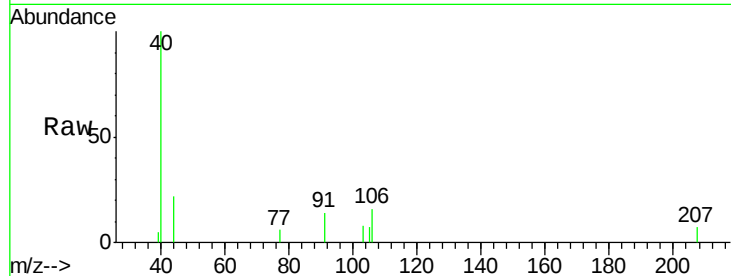




#68  
m/p-Xylenes  
Concen: 5.340 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

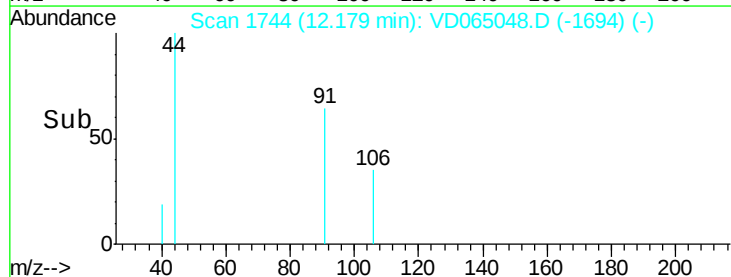
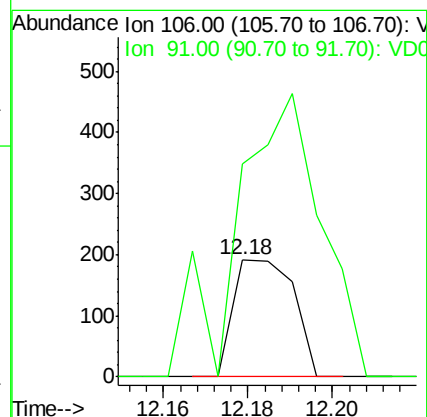
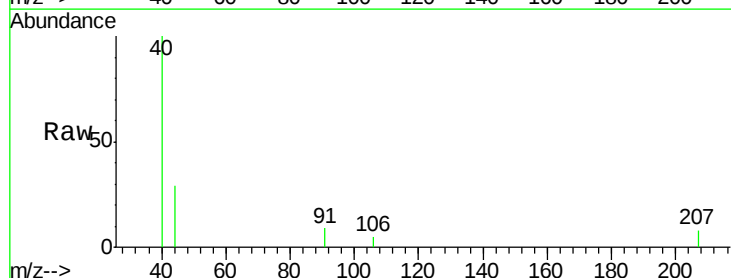
Instrument :  
MSVOA\_D  
ClientSampleId :  
628-629RE

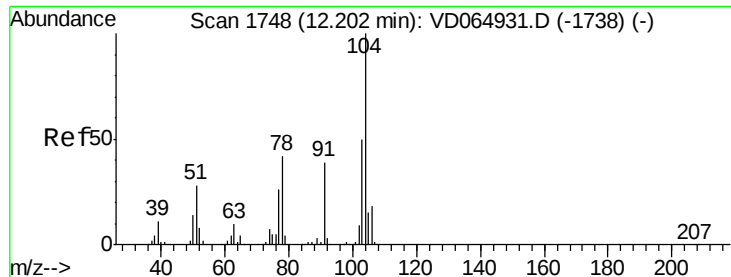
Tot Ion:106 Resp: 508  
Ion Ratio Lower Upper  
106 100  
91 273.8 159.0 238.4#



#69  
o-Xylene  
Concen: 2.251 ug/l  
RT: 12.18 min Scan# 1744  
Delta R.T. -0.01 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

Tgt Ion:106 Resp: 190  
Ion Ratio Lower Upper  
106 100  
91 342.1 106.7 319.9#

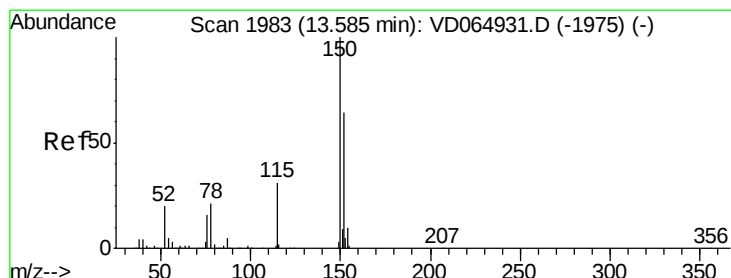
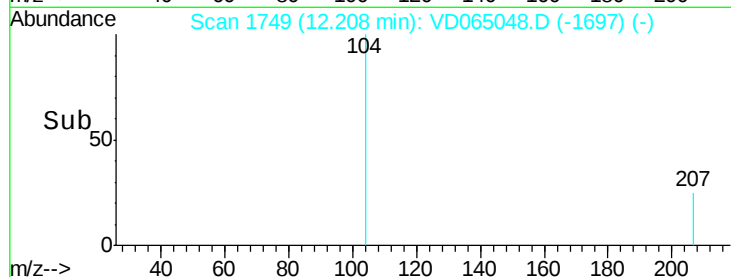
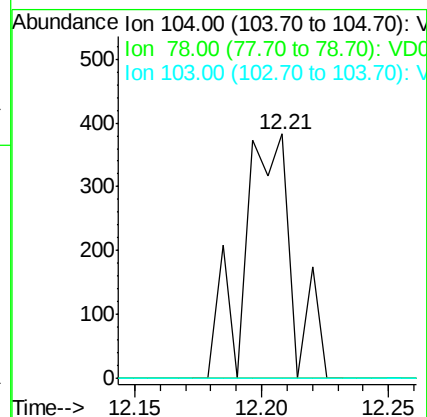
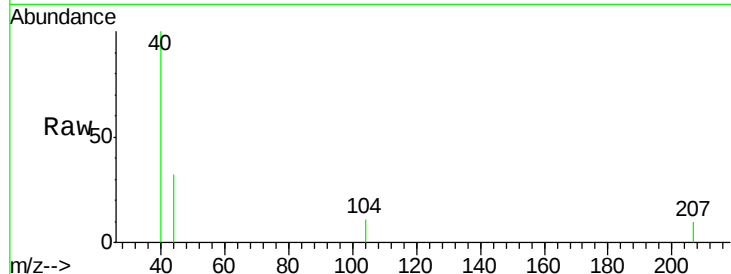




#70  
Stvrene  
Concen: 3.418 ug/l  
RT: 12.21 min Scan# 1749  
Delta R.T. 0.01 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

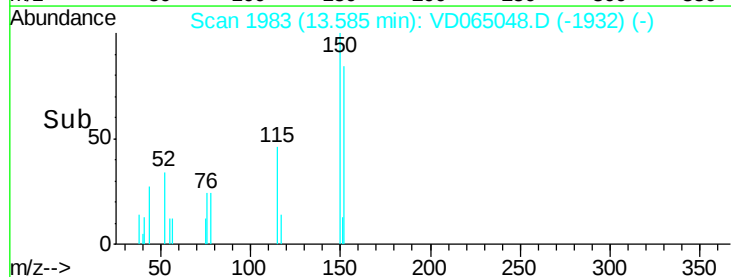
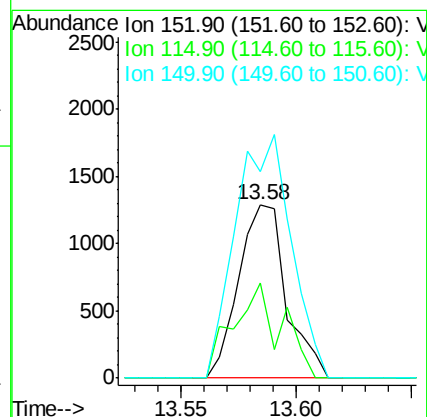
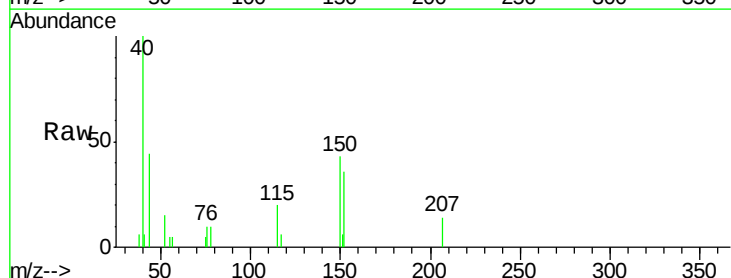
Instrument :  
MSVOA\_D  
ClientSampleId :  
628-629RE

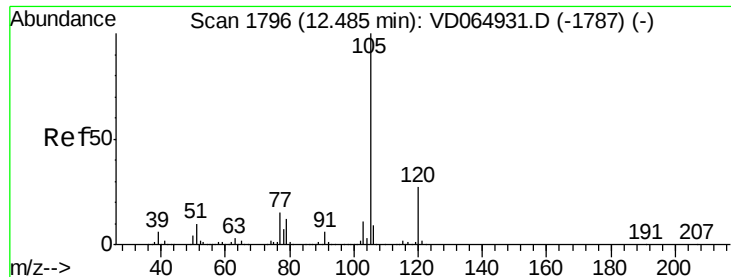
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 0.0   | 38.3  | 57.5# |
| 103     | 0.0   | 43.5  | 65.3# |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD065048.D  
Acq: 03 Feb 2020 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 28.1  | 84.4  |
| 150     | 163.9 | 0.0   | 350.4 |





#73

Isopropylbenzene

Concen: 5.557 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

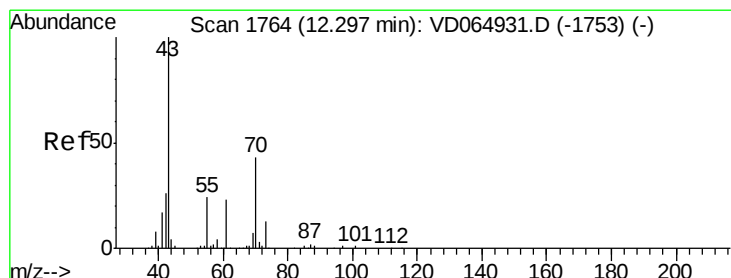
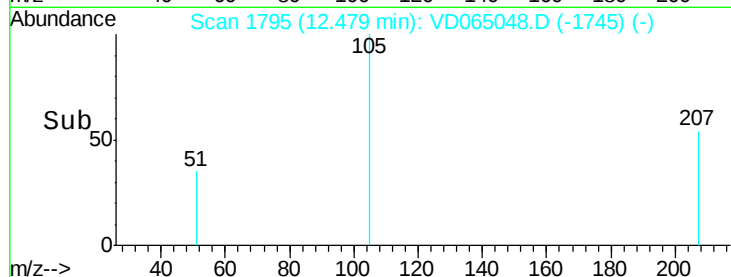
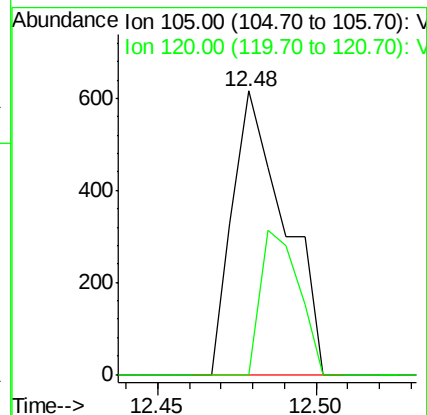
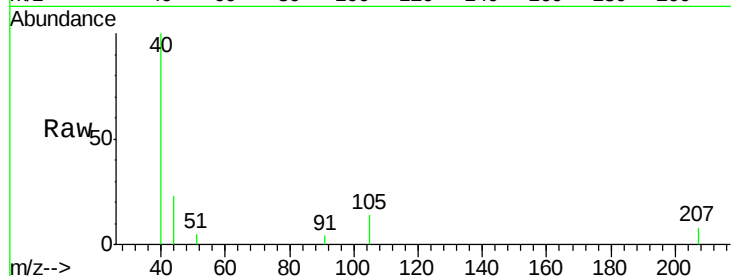
628-629RE

Tot Ion: 105 Resp: 703

Ion Ratio Lower Upper

105 100

120 37.4 13.3 39.8



#74

N-ethyl acetate

Concen: 2.508 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Tgt Ion: 43 Resp: 71

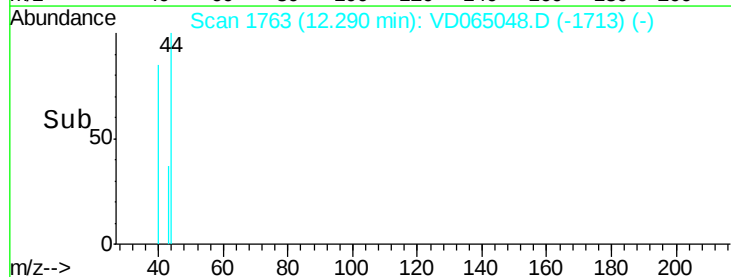
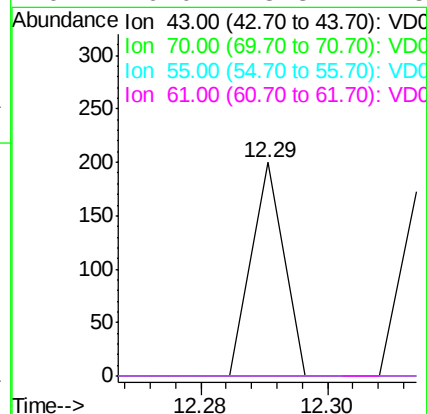
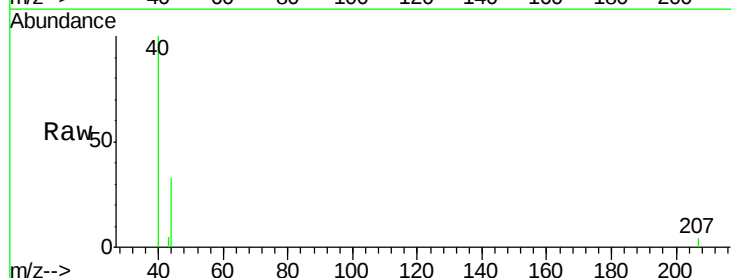
Ion Ratio Lower Upper

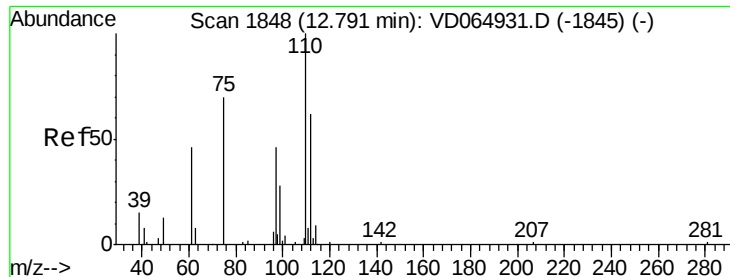
43 100

70 0.0 32.6 49.0#

55 0.0 19.9 29.9#

61 0.0 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 4.296 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

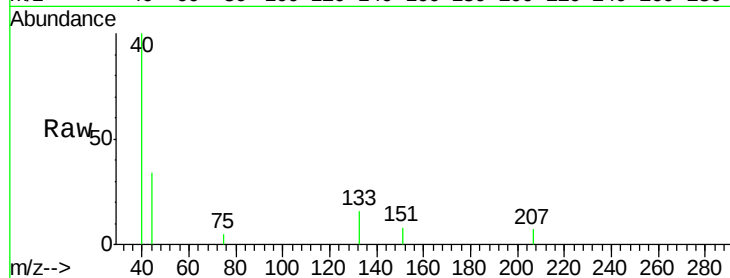
628-629RE

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

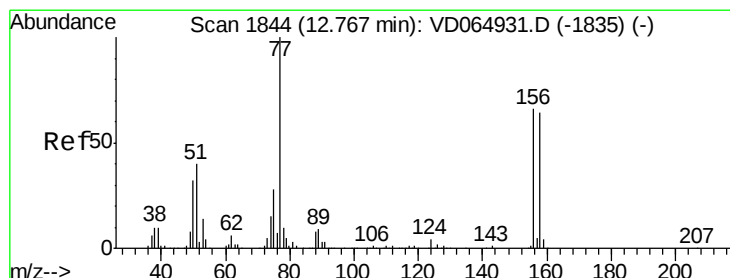
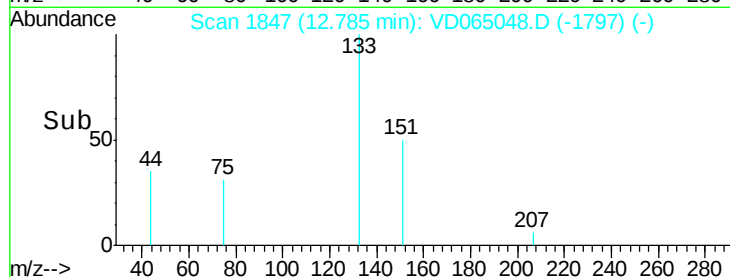
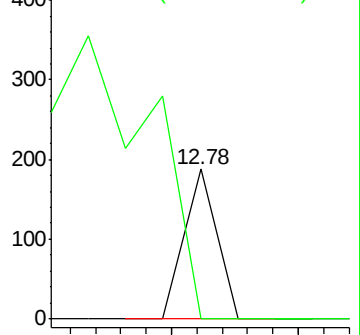
75 100

77 592.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VD0

Ion 77.00 (76.70 to 77.70): VD0



#77

Bromobenzene

Concen: 4.297 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

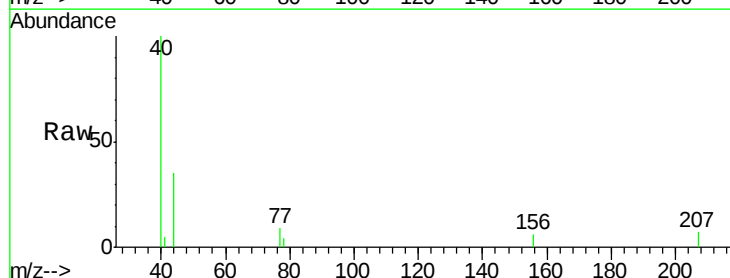
Tgt Ion: 156 Resp: 133

Ion Ratio Lower Upper

156 100

77 294.0 84.2 252.5#

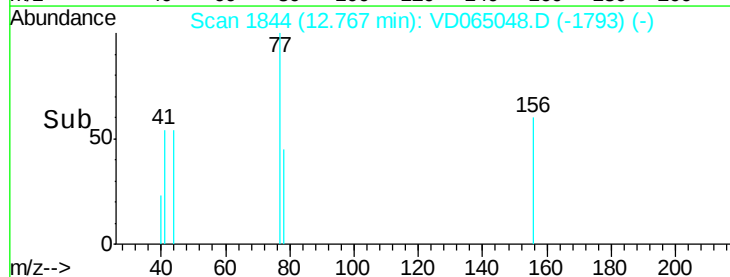
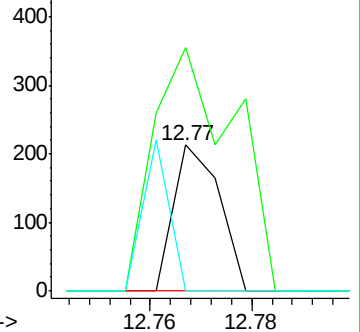
158 58.6 48.1 144.4

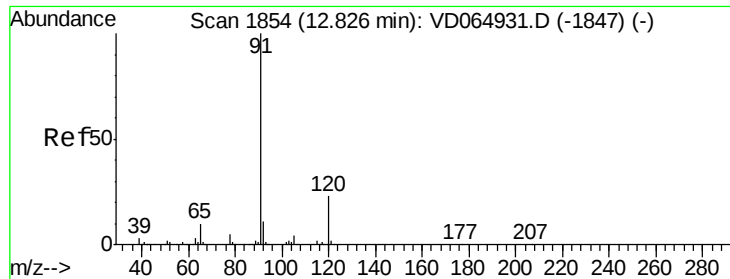


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VD0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 6.912 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

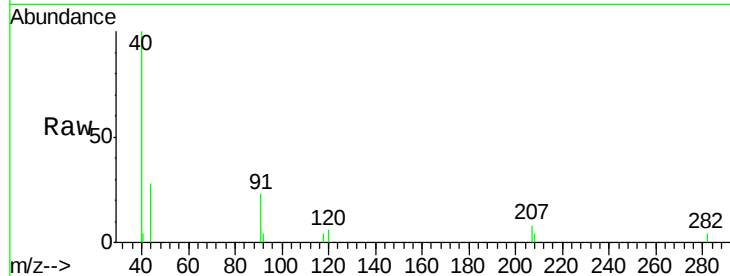
628-629RE

Tot Ion: 91 Resp: 1040

Ion Ratio Lower Upper

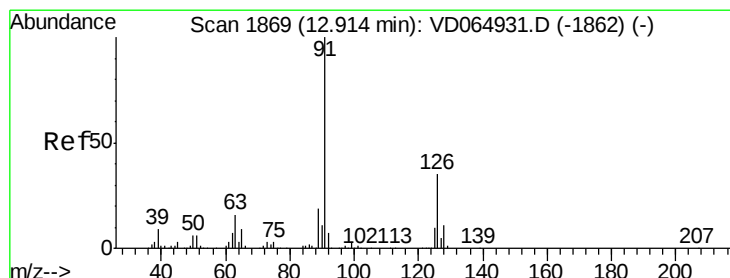
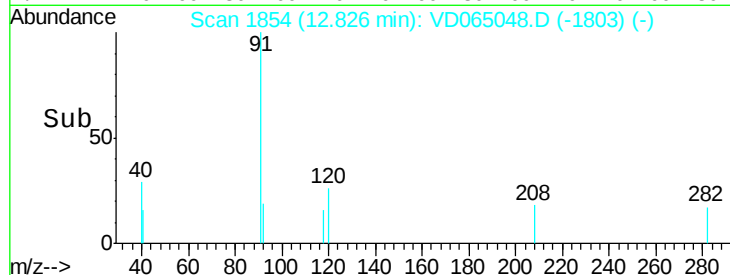
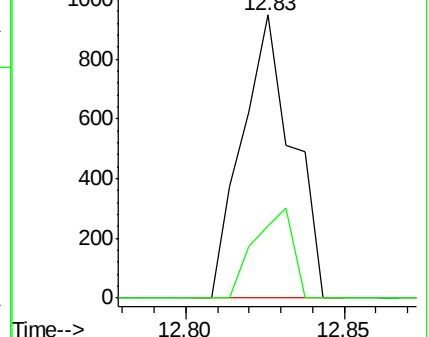
91 100

120 24.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 6.918 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065048.D

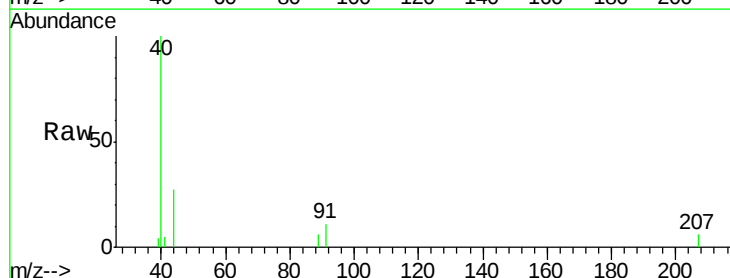
Acq: 03 Feb 2020 12:20

Tgt Ion: 91 Resp: 571

Ion Ratio Lower Upper

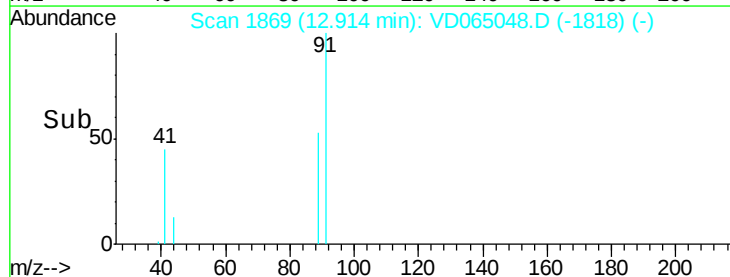
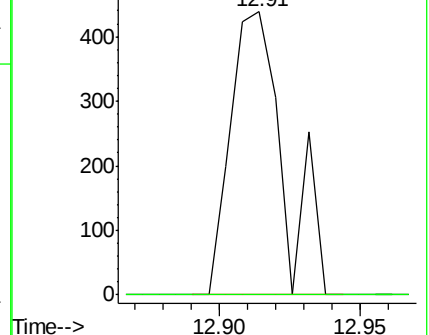
91 100

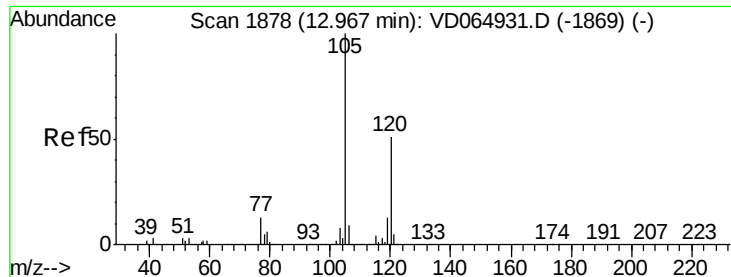
126 0.0 17.9 53.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

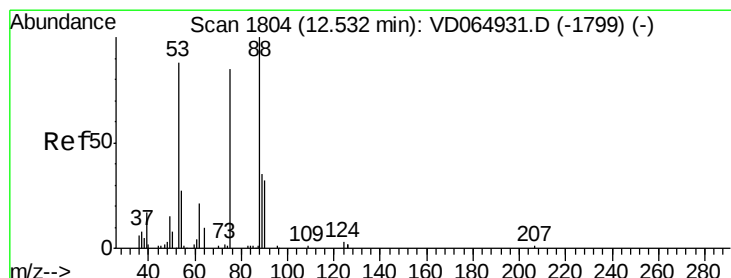
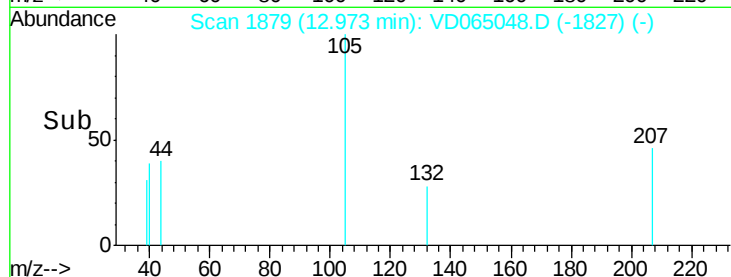
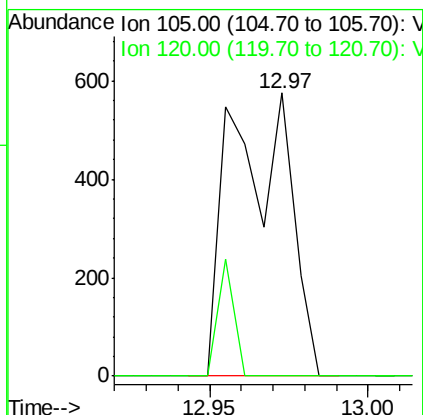
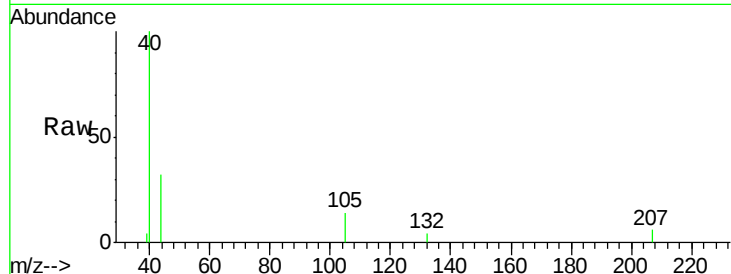




#80  
 1,3,5-Trimethylbenzene  
 Concen: 7.157 ug/l  
 RT: 12.97 min Scan# 1879  
 Delta R.T. 0.01 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

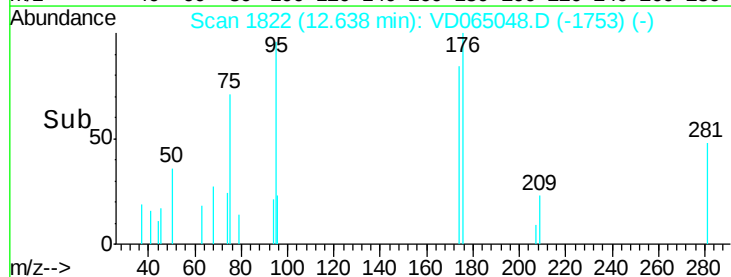
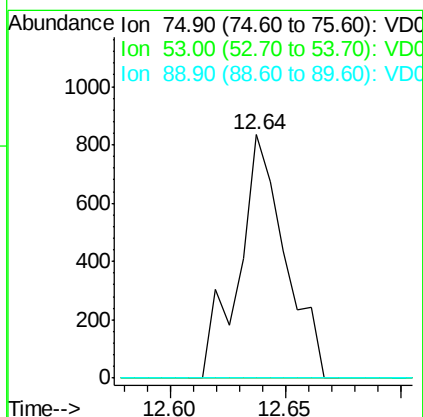
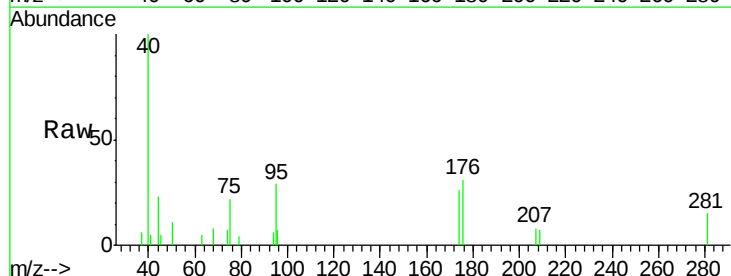
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 628-629RE

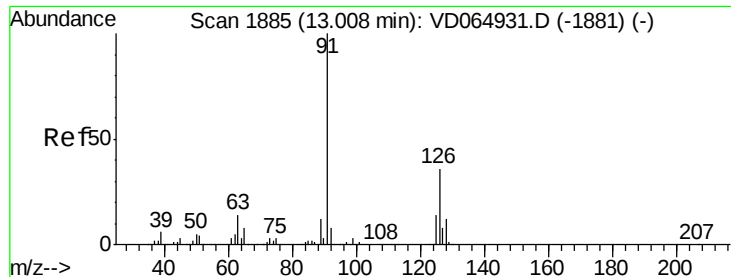
Tot Ion: 105 Resp: 742  
 Ion Ratio Lower Upper  
 105 100  
 120 11.3 25.6 76.8#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 162.747 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.11 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

Tgt Ion: 75 Resp: 1171  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.0 121.4#  
 89 0.0 36.2 54.4#





#82

4-Chlorotoluene

Concen: 8.271 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

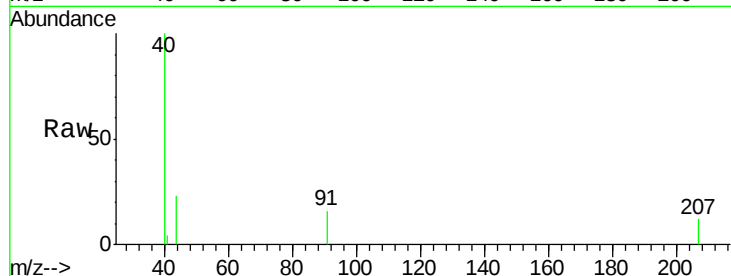
628-629RE

Tot Ion: 91 Resp: 724

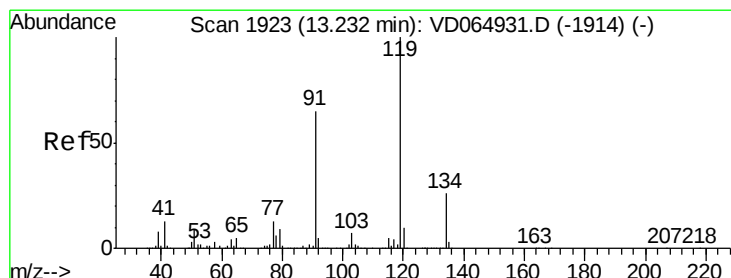
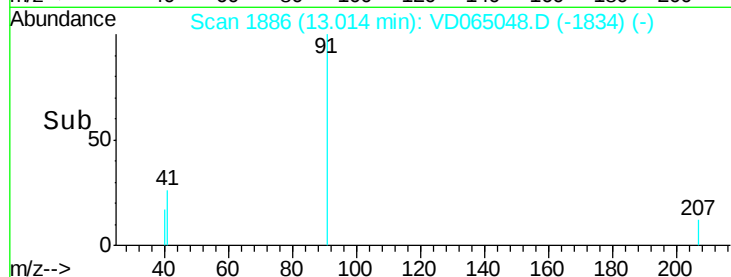
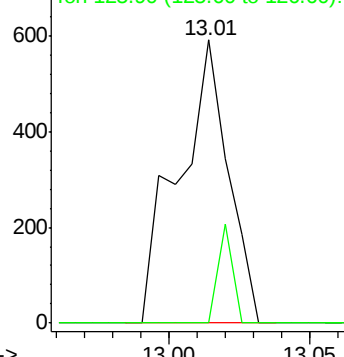
Ion Ratio Lower Upper

91 100

126 10.1 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1881) (-)



#83

tert-Butylbenzene

Concen: 8.547 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

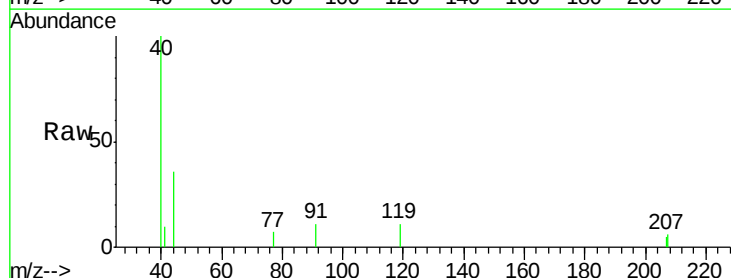
Tgt Ion: 119 Resp: 752

Ion Ratio Lower Upper

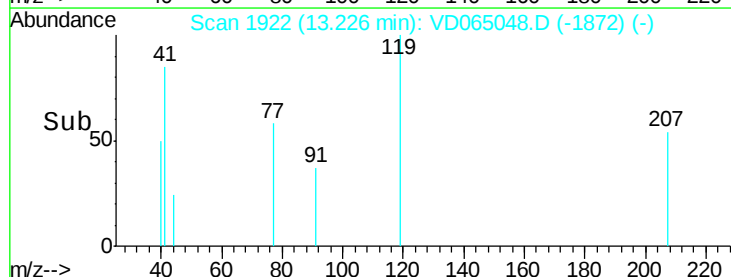
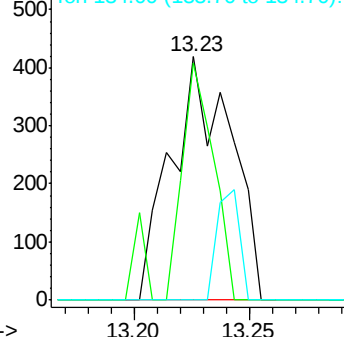
119 100

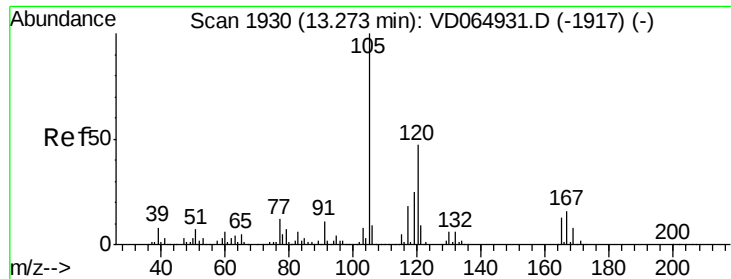
91 51.6 32.0 96.0

134 16.8 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): VD064931.D (-1914) (-)

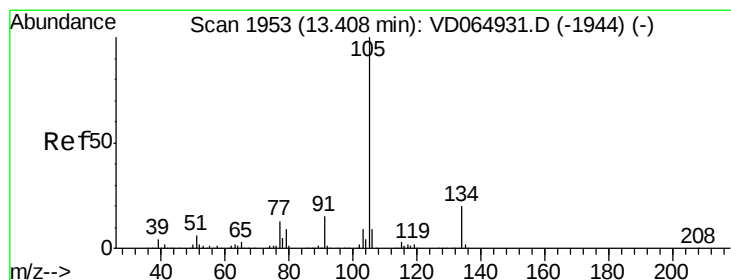
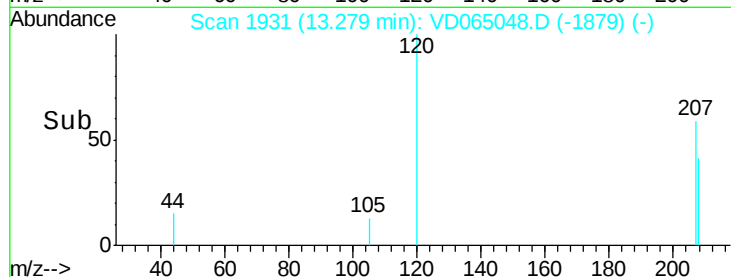
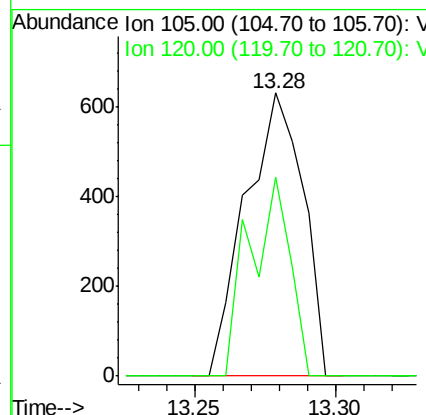
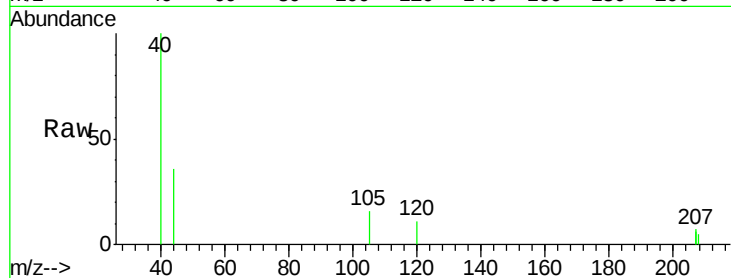




#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.484 ug/l  
 RT: 13.28 min Scan# 1931  
 Delta R.T. 0.01 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

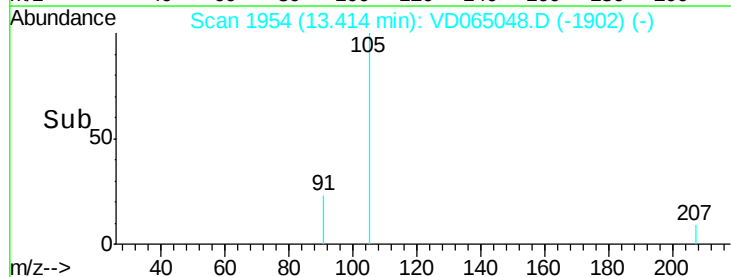
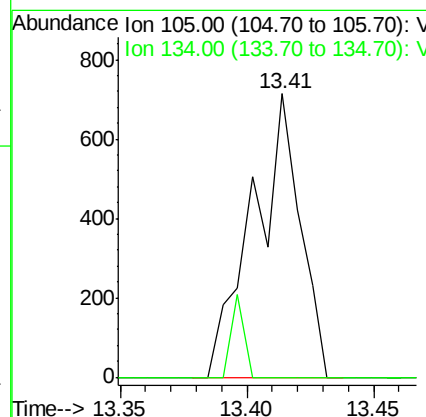
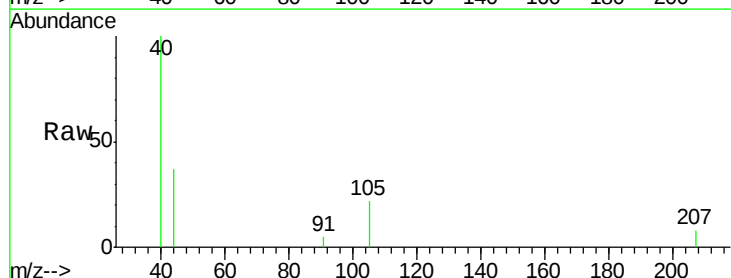
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 628-629RE

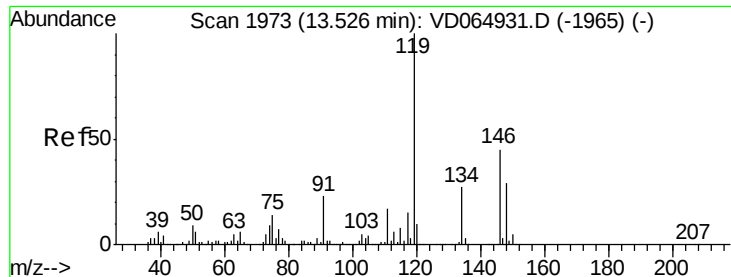
Tot Ion:105 Resp: 891  
 Ion Ratio Lower Upper  
 105 100  
 120 49.8 23.1 69.3



#85  
 sec-Butylbenzene  
 Concen: 7.393 ug/l  
 RT: 13.41 min Scan# 1954  
 Delta R.T. 0.01 min  
 Lab File: VD065048.D  
 Acq: 03 Feb 2020 12:20

Tgt Ion:105 Resp: 921  
 Ion Ratio Lower Upper  
 105 100  
 134 8.0 10.4 31.4#





#86

p-Isopropyltoluene

Concen: 3.980 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

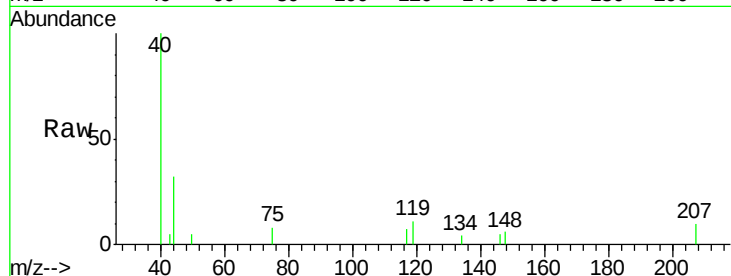
Tot Ion:119 Resp: 464

Ion Ratio Lower Upper

119 100

134 31.5 13.3 39.9

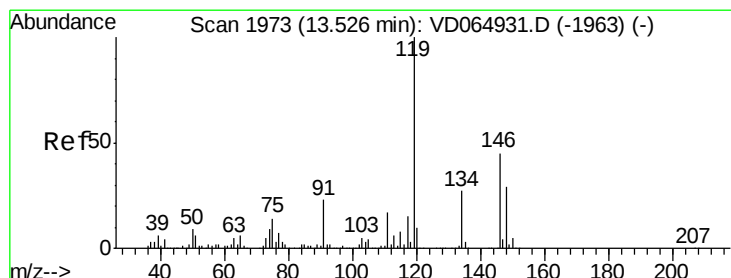
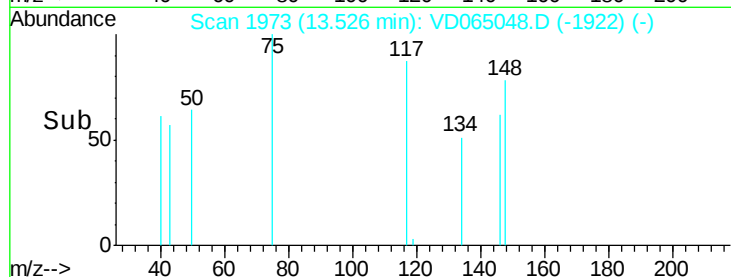
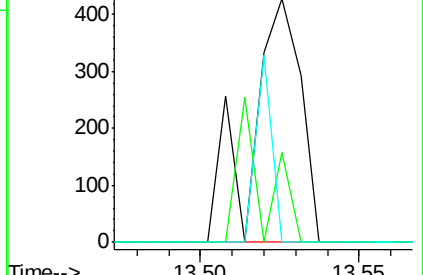
91 25.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 4.226 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

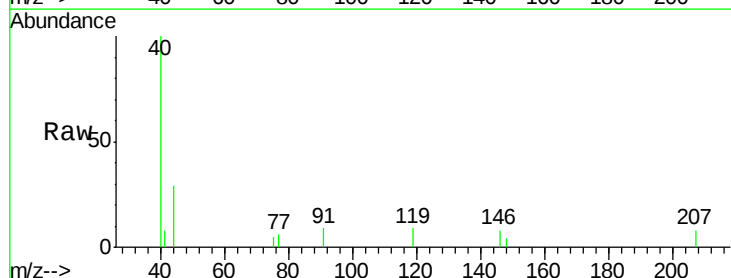
Tgt Ion:146 Resp: 251

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.9#

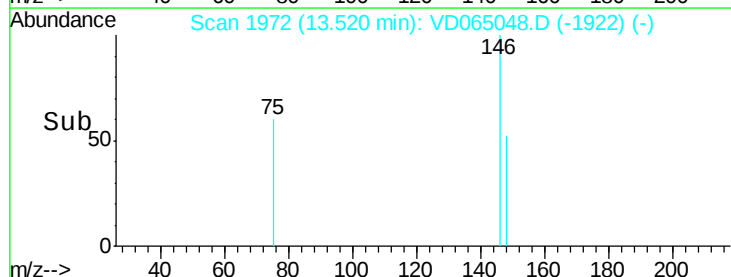
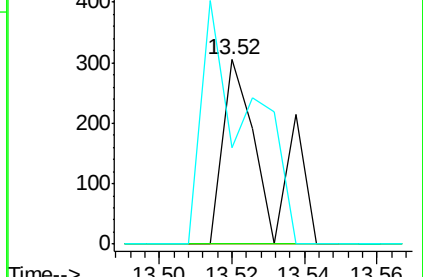
148 143.8 32.6 97.7#

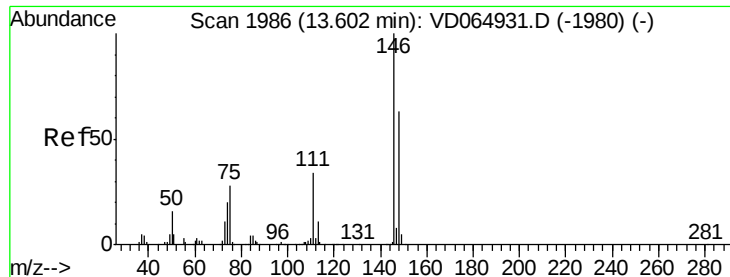


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 3.919 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

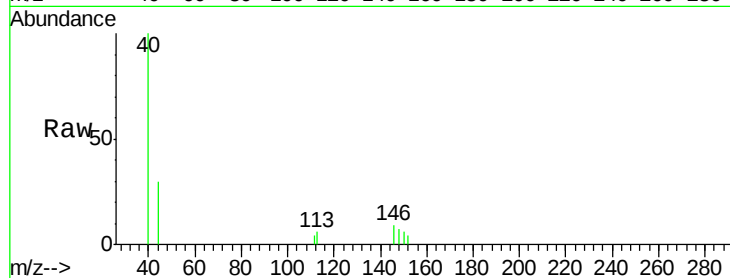
Tot Ion:146 Resp: 231

Ion Ratio Lower Upper

146 100

111 76.2 18.2 54.6#

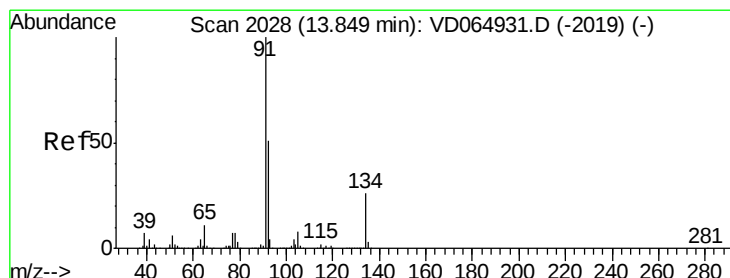
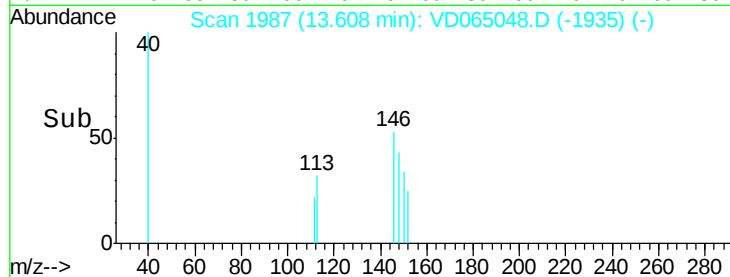
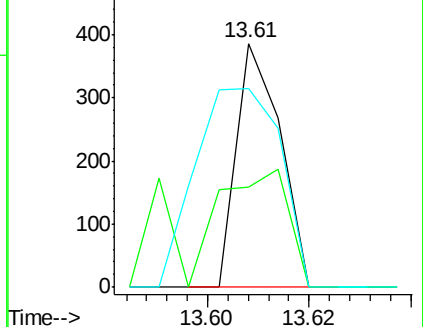
148 158.4 32.0 96.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 8.497 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

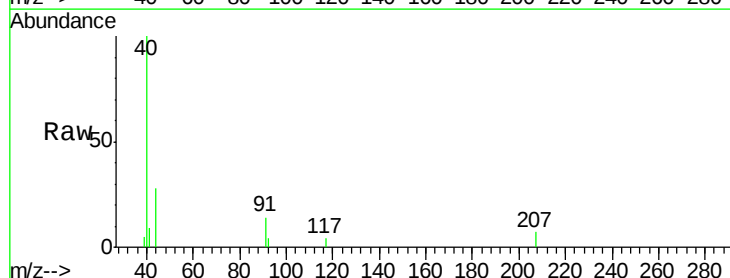
Tgt Ion: 91 Resp: 904

Ion Ratio Lower Upper

91 100

92 38.5 26.4 79.0

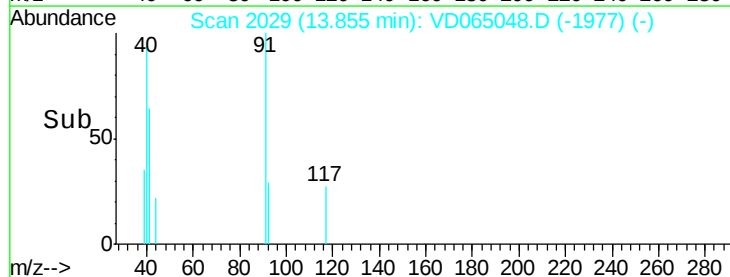
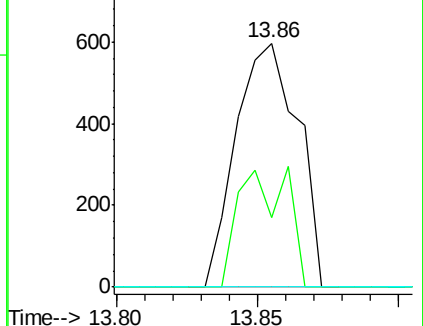
134 0.0 13.3 39.9#

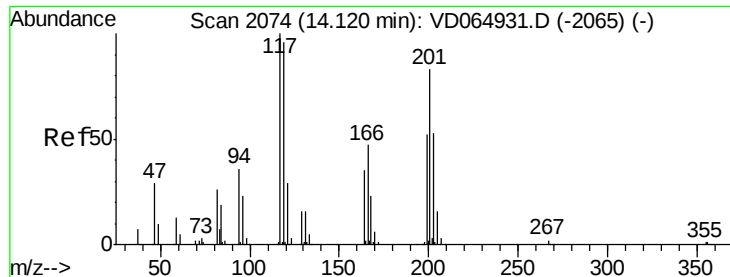


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.758 ug/l

RT: 14.24 min Scan# 2095

Delta R.T. 0.12 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

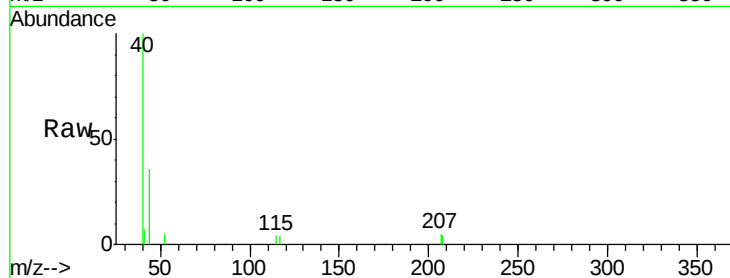
628-629RE

Tot Ion:117 Resp: 62

Ion Ratio Lower Upper

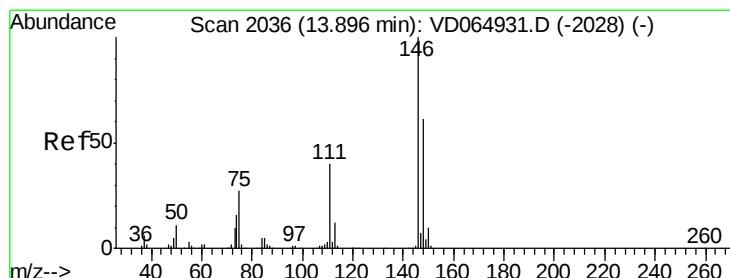
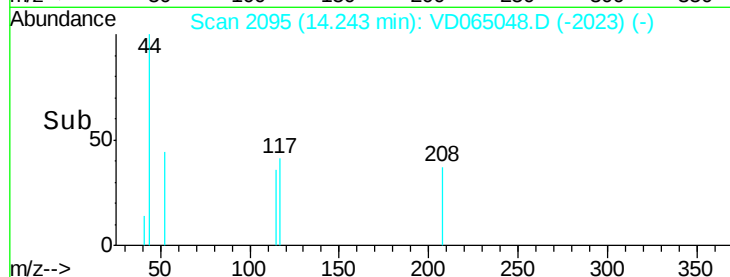
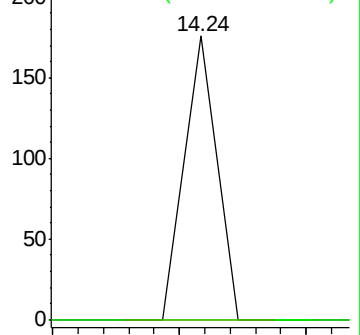
117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 8.885 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

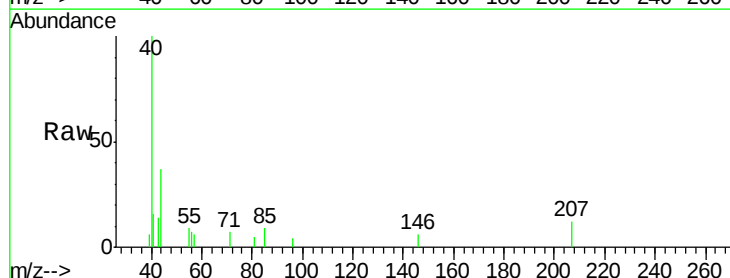
Tgt Ion:146 Resp: 448

Ion Ratio Lower Upper

146 100

111 20.8 19.4 58.2

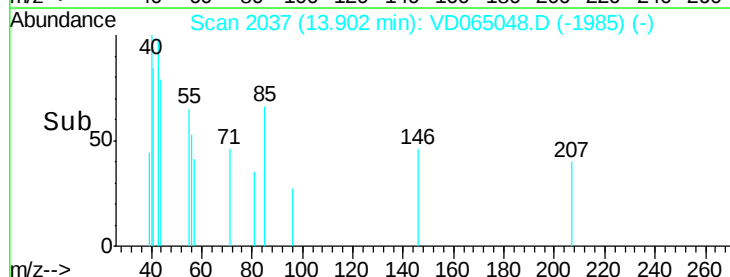
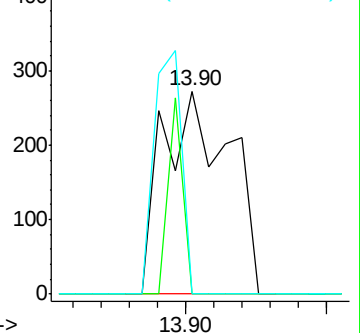
148 49.1 31.6 95.0

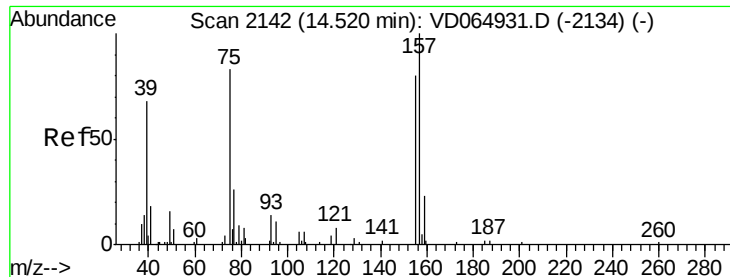


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.159 ug/l

RT: 14.69 min Scan# 2171

Delta R.T. 0.17 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampled :

628-629RE

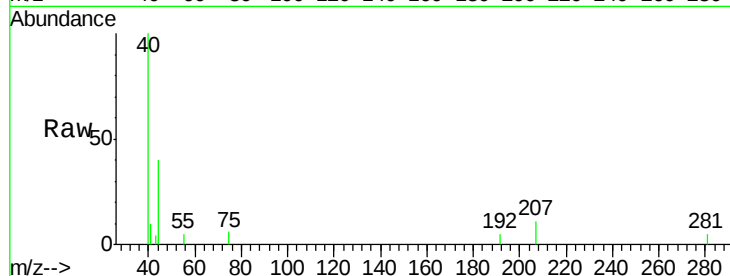
Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.7#

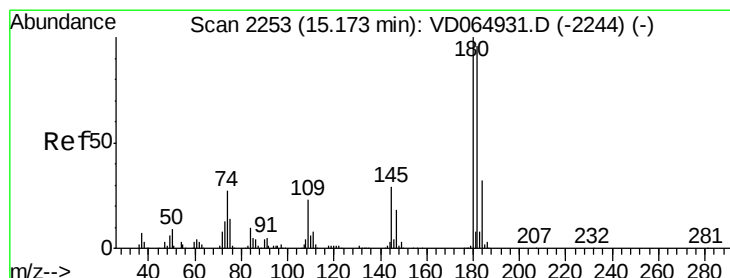
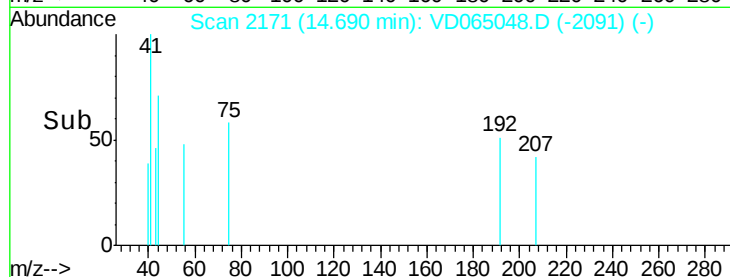
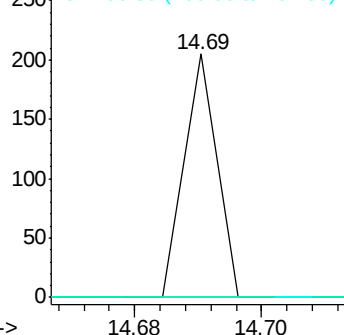
157 0.0 58.9 176.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 9.030 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

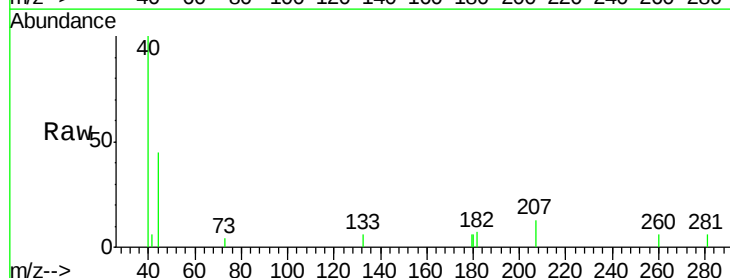
Tgt Ion: 180 Resp: 315

Ion Ratio Lower Upper

180 100

182 137.1 47.1 141.4

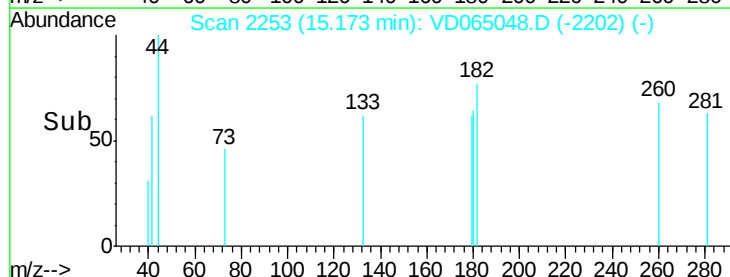
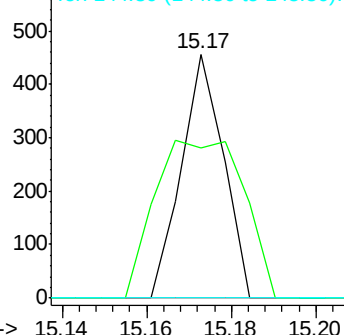
145 0.0 14.1 42.3#

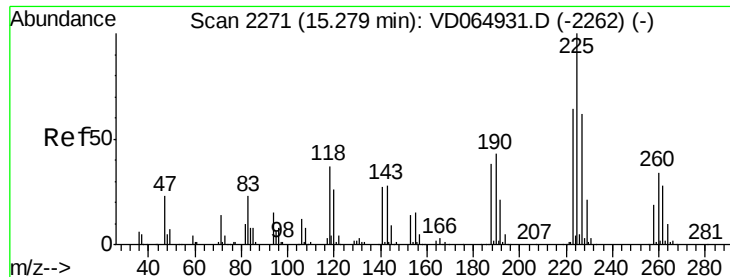


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 13.325 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

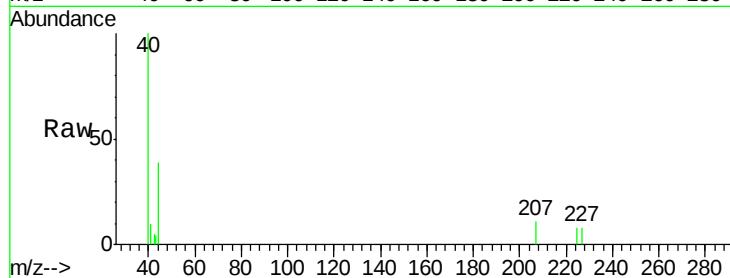
Tot Ion:225 Resp: 294

Ion Ratio Lower Upper

225 100

223 0.0 32.4 97.2#

227 38.1 31.9 95.9



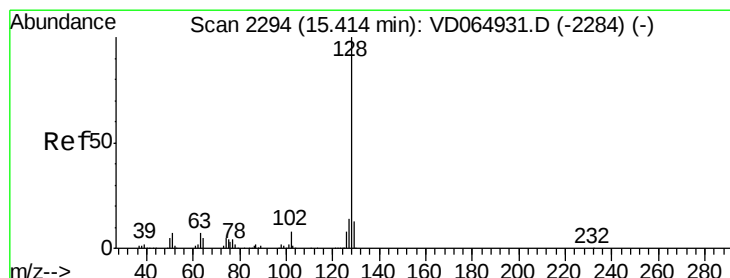
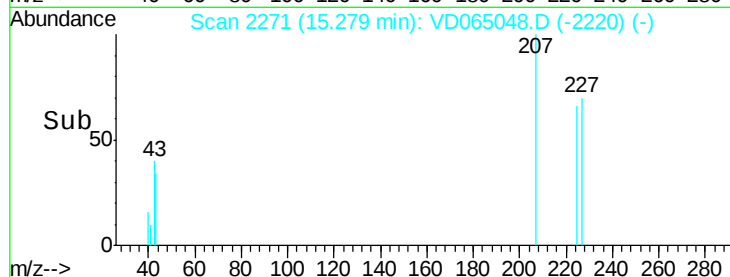
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.28

Time-->



#95

Naphthalene

Concen: 7.727 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

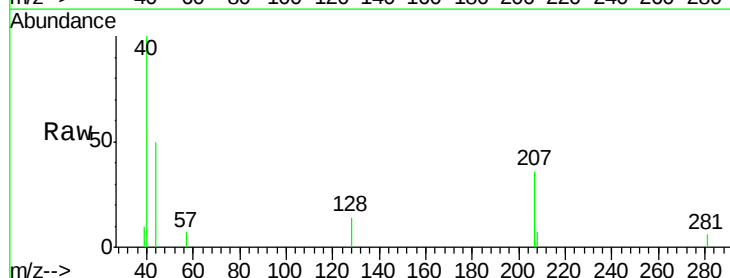
Tgt Ion:128 Resp: 435

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 9.3 13.9#



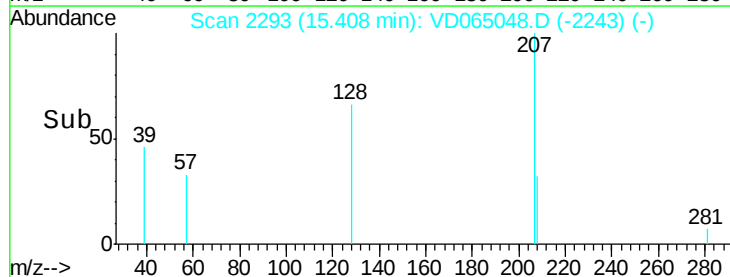
Abundance Ion 128.00 (127.70 to 128.70): V

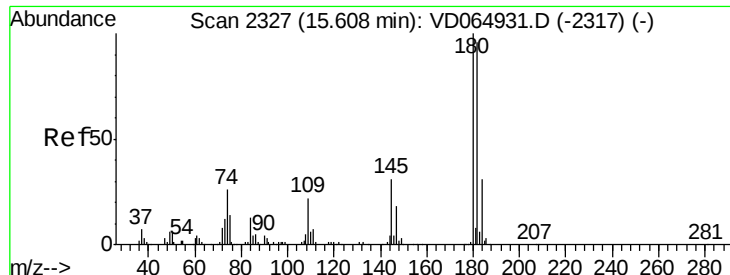
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.41

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 2.513 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065048.D

Acq: 03 Feb 2020 12:20

Instrument :

MSVOA\_D

ClientSampleId :

628-629RE

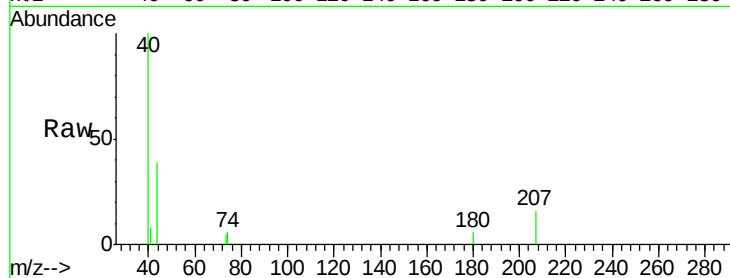
Tot Ion:180 Resp: 76

Ion Ratio Lower Upper

180 100

182 186.8 47.3 141.8#

145 0.0 14.6 43.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

