

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD011720\  
 Data File : VD064863.D  
 Acq On : 17 Jan 2020 15:16  
 Operator : VA/SY  
 Sample : L1176-02  
 Misc : 4.24G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

Quant Time: Jan 17 22:52:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 24 13:19:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 15837    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 24209    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 24891    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 12570    | 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   | 12946    | 92.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 185.40% |          |
| 35) Dibromofluoromethane    | 7.93  | 113  | 9716     | 65.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 130.84% |          |
| 50) Toluene-d8              | 10.34 | 98   | 27467    | 48.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 9179     | 51.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.06% |          |

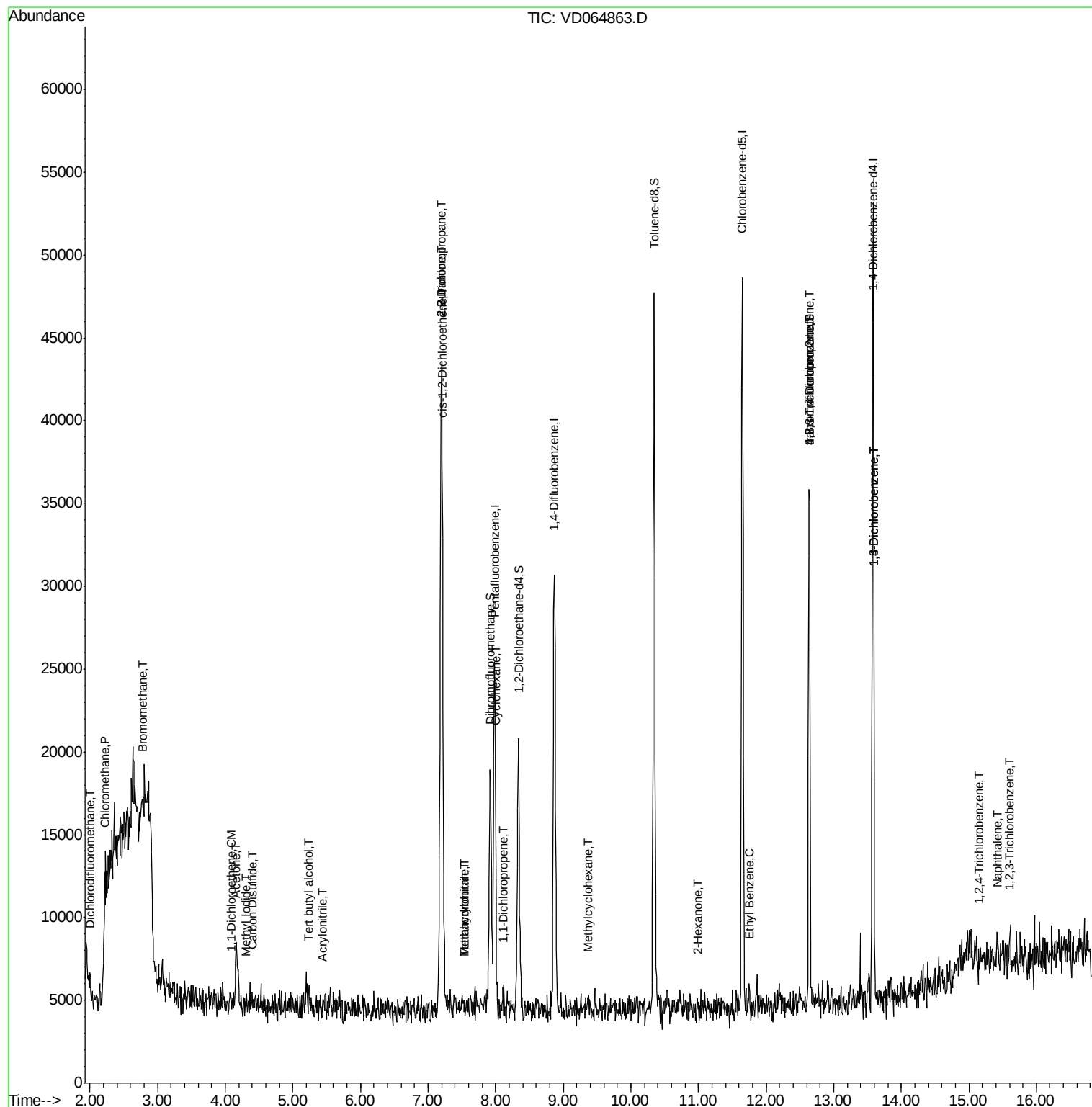
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.99  | 85   | 132      | 1.07      | ug/l # | 43     |
| 3) Chloromethane               | 2.21  | 50   | 586      | 3.40      | ug/l # | 65     |
| 5) Bromomethane                | 2.78  | 94   | 936      | 6.13      | ug/l # | 87     |
| 10) Methyl Iodide              | 4.30  | 142  | 489      | 3.11      | ug/l # | 65     |
| 11) Tert butyl alcohol         | 5.23  | 59   | 200      | 24.99     | ug/l # | 42     |
| 12) 1,1-Dichloroethene         | 4.09  | 96   | 193      | 1.39      | ug/l # | 1      |
| 15) Acrylonitrile              | 5.43  | 53   | 55       | 1.88      | ug/l # | 17     |
| 16) Acetone                    | 4.16  | 43   | 5818     | 193.49    | ug/l # | 91     |
| 17) Carbon Disulfide           | 4.41  | 76   | 576      | 1.28      | ug/l # | 75     |
| 20) Methylene Chloride         | 4.98  | 84   | 129      | Below Cal | #      | 48     |
| 25) 2-Butanone                 | 7.20  | 43   | 2004     | 52.21     | ug/l # | 49     |
| 26) 2,2-Dichloropropane        | 7.20  | 77   | 3233     | 13.37     | ug/l # | 57     |
| 27) cis-1,2-Dichloroethene     | 7.21  | 96   | 258      | 1.51      | ug/l # | 1      |
| 29) Tetrahydrofuran            | 7.55  | 42   | 55       | 2.30      | ug/l # | 33     |
| 31) Cyclohexane                | 8.00  | 56   | 594      | 2.28      | ug/l # | 24     |
| 36) 1,1-Dichloropropene        | 8.11  | 75   | 335      | 1.44      | ug/l # | 57     |
| 39) Methylcyclohexane          | 9.37  | 83   | 324      | 1.15      | ug/l # | 20     |
| 41) Methacrylonitrile          | 7.54  | 41   | 55       | 1.04      | ug/l # | 24     |
| 59) 2-Hexanone                 | 10.98 | 43   | 215      | 3.52      | ug/l # | 26     |
| 67) Ethyl Benzene              | 11.74 | 91   | 1200     | 1.28      | ug/l # | 44     |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 5683     | 57.25     | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.64 | 75   | 5683     | 119.74    | ug/l # | 10     |
| 87) 1,3-Dichlorobenzene        | 13.60 | 146  | 546      | 1.30      | ug/l # | 69     |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 546      | 1.32      | ug/l # | 68     |
| 93) 1,2,4-Trichlorobenzene     | 15.15 | 180  | 338      | 1.28      | ug/l # | 86     |
| 95) Naphthalene                | 15.42 | 128  | 1685     | 4.03      | ug/l # | 74     |
| 96) 1,2,3-Trichlorobenzene     | 15.60 | 180  | 382      | 1.69      | ug/l # | 82     |

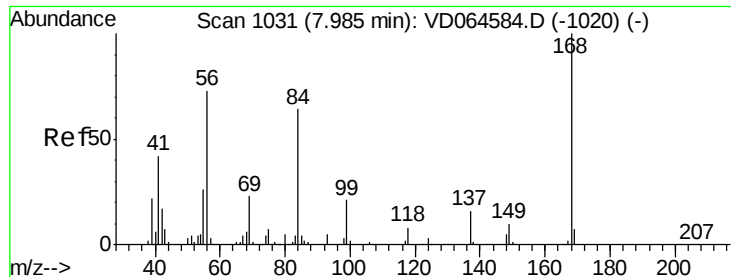
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD011720\  
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EP-2

Quant Time: Jan 17 22:52:34 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 24 13:19:06 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

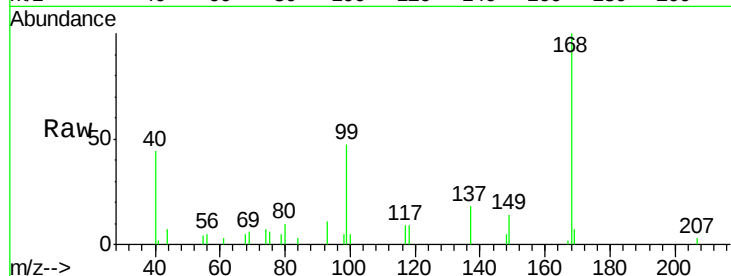
Instrument :  
MSVOA\_D  
ClientSampled :  
EP-2

Tgt Ion:168 Resp: 15837

Ion Ratio Lower Upper

168 100

99 46.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

8000

6000

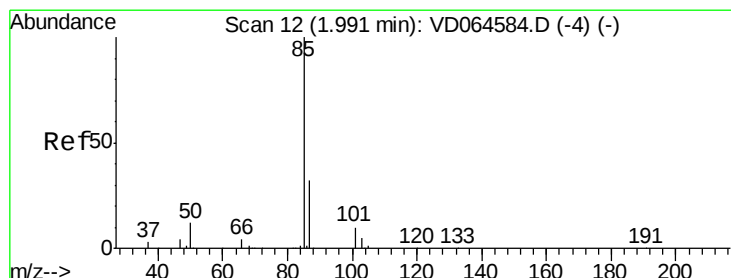
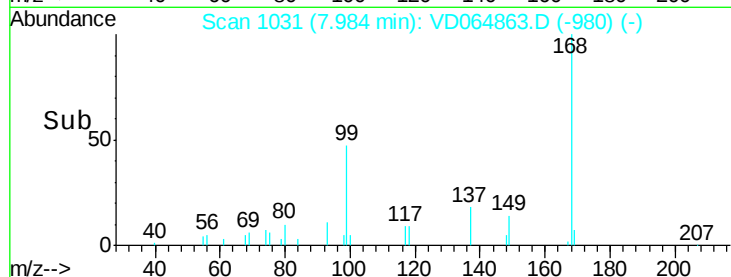
4000

2000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 1.07 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064863.D

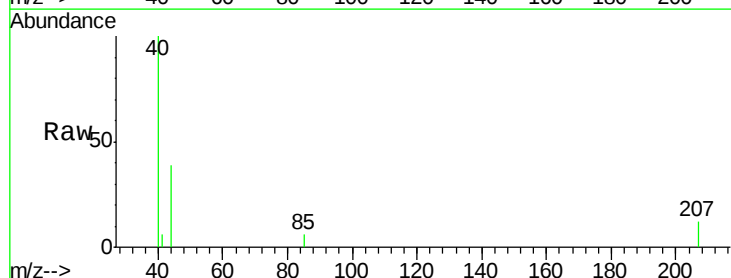
Acq: 17 Jan 2020 15:16

Tgt Ion: 85 Resp: 132

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

150

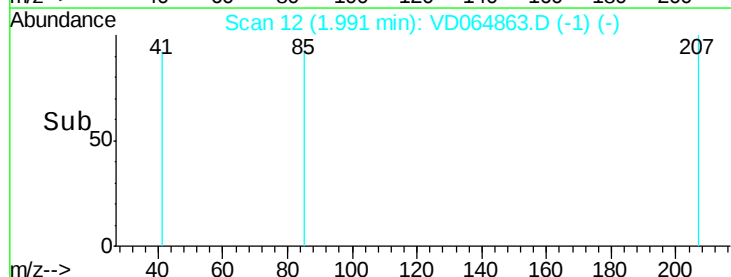
100

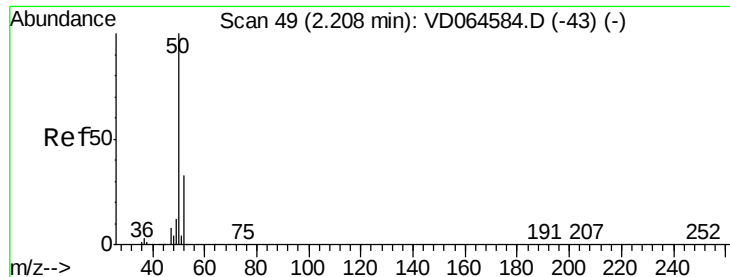
50

0

1.98 2.00

Time-->





#3

Chloromethane

Concen: 3.40 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleID :

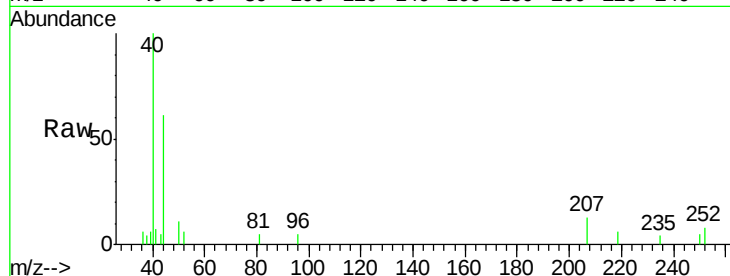
EP-2

Tgt Ion: 50 Resp: 586

Ion Ratio Lower Upper

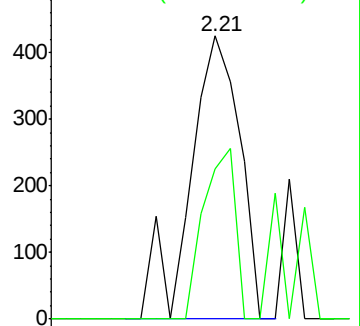
50 100

52 53.2 26.5 39.7#

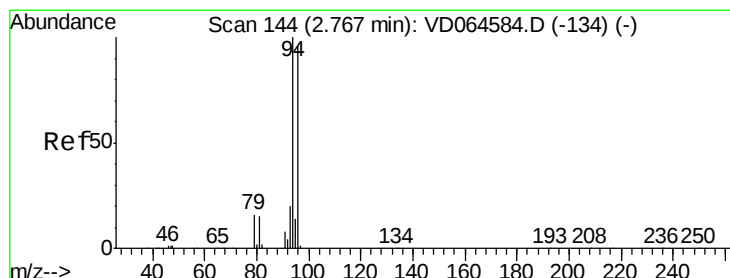
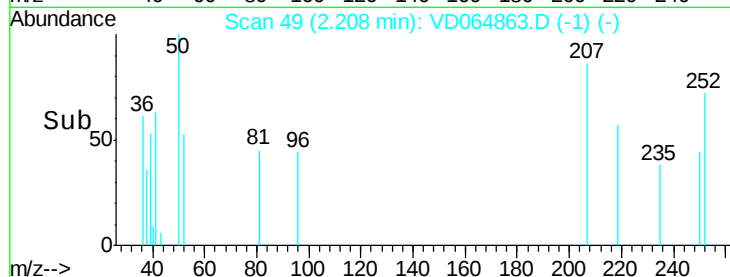


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#5

Bromomethane

Concen: 6.13 ug/l

RT: 2.78 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD064863.D

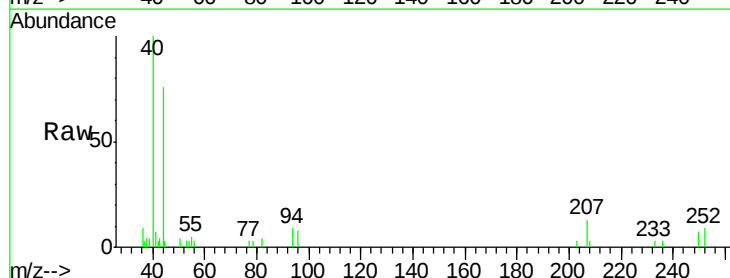
Acq: 17 Jan 2020 15:16

Tgt Ion: 94 Resp: 936

Ion Ratio Lower Upper

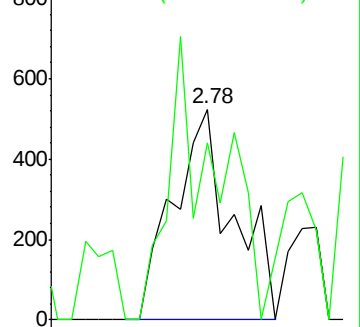
94 100

96 84.2 77.2 115.8

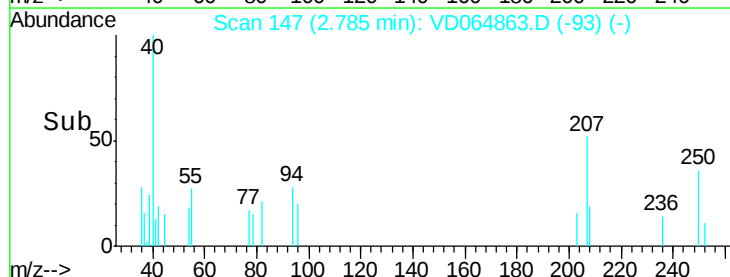


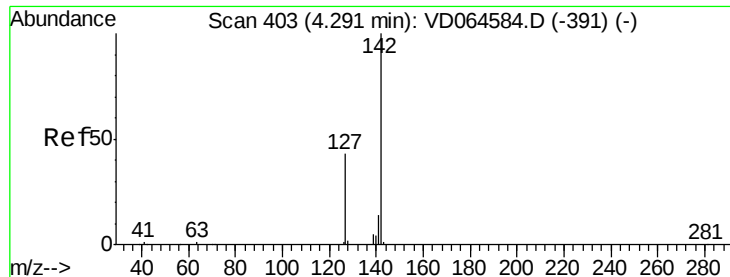
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->

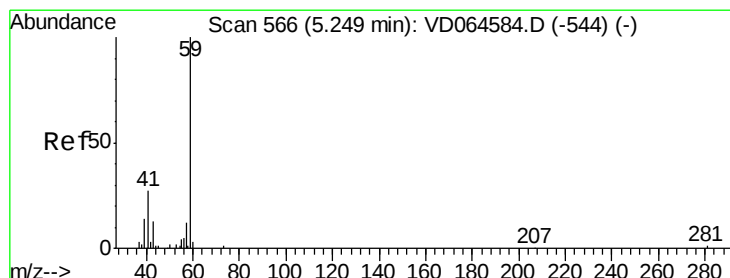
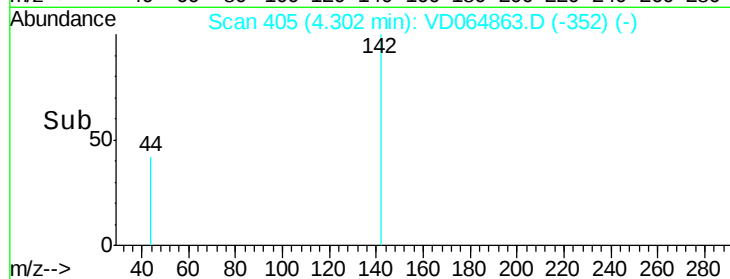
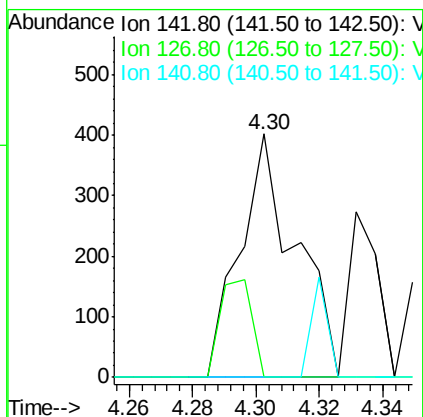
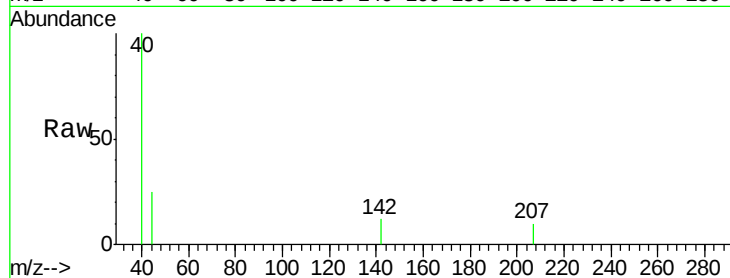




#10  
Methyl Iodide  
Concen: 3.11 ug/l  
RT: 4.30 min Scan# 405  
Delta R.T. 0.01 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

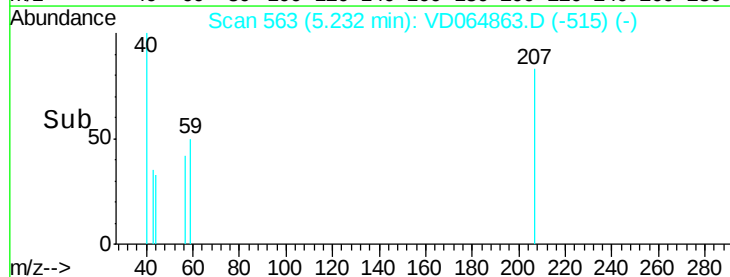
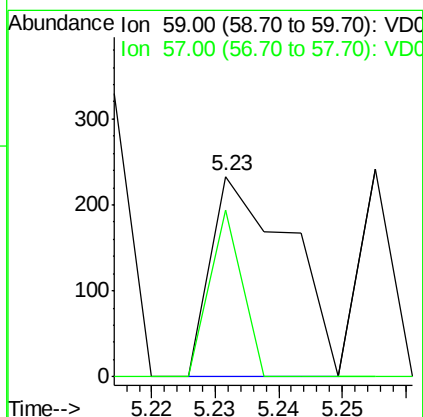
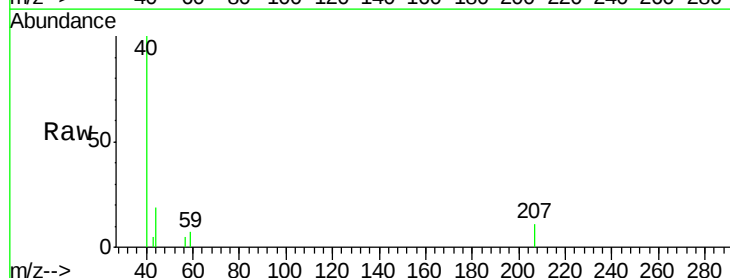
Instrument :  
MSVOA\_D  
ClientSampled :  
EP-2

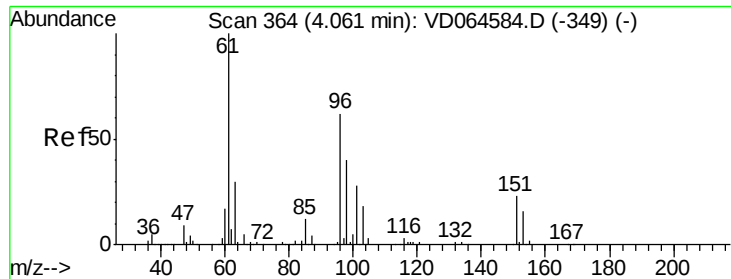
Tgt Ion:142 Resp: 489  
Ion Ratio Lower Upper  
142 100  
127 22.9 36.2 54.4#  
141 0.0 11.8 17.8#



#11  
Tert butyl alcohol  
Concen: 24.99 ug/l  
RT: 5.23 min Scan# 563  
Delta R.T. -0.02 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

Tgt Ion: 59 Resp: 200  
Ion Ratio Lower Upper  
59 100  
57 34.0 9.3 13.9#

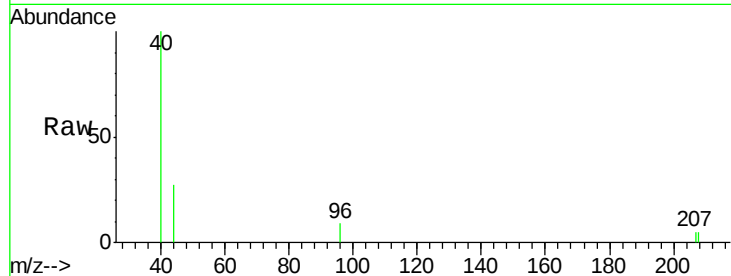




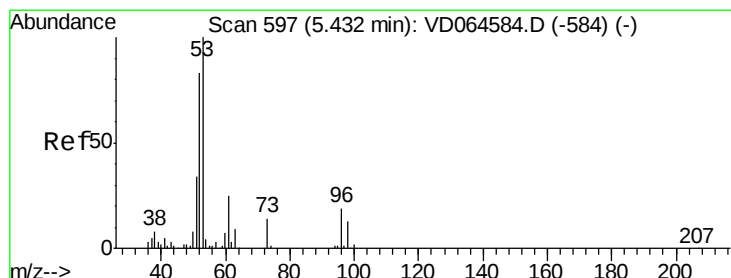
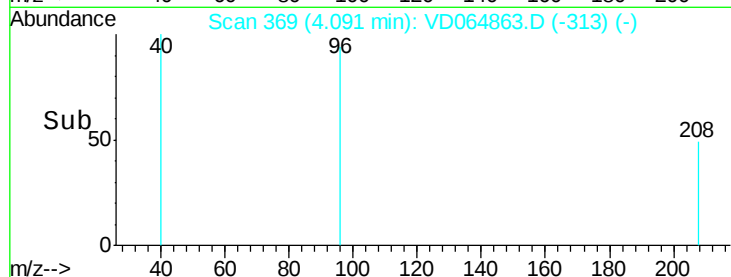
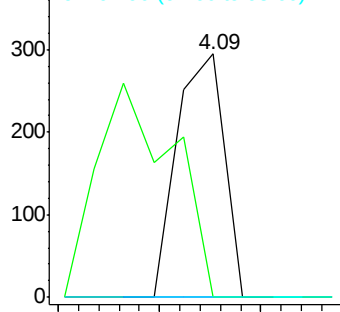
#12  
 1,1-Dichloroethene  
 Concen: 1.39 ug/l  
 RT: 4.09 min Scan# 369  
 Delta R.T. 0.03 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

Tgt Ion: 96 Resp: 193  
 Ion Ratio Lower Upper  
 96 100  
 61 0.0 129.4 194.0#  
 98 0.0 51.4 77.0#

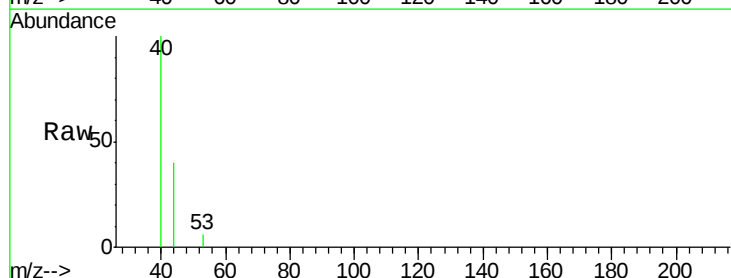


Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC

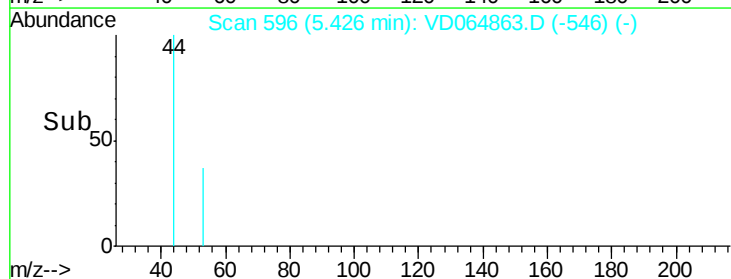
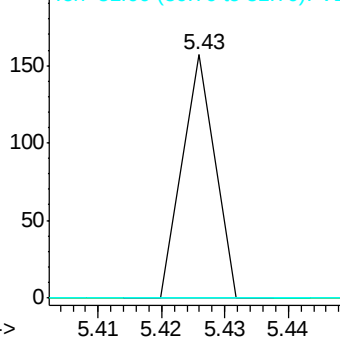


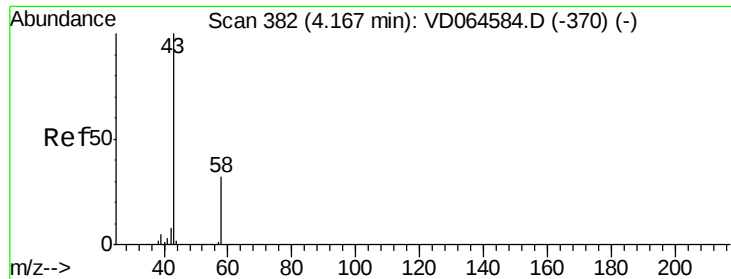
#15  
 Acrylonitrile  
 Concen: 1.88 ug/l  
 RT: 5.43 min Scan# 596  
 Delta R.T. -0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Tgt Ion: 53 Resp: 55  
 Ion Ratio Lower Upper  
 53 100  
 52 0.0 66.2 99.2#  
 51 0.0 30.1 45.1#



Abundance Ion 53.00 (52.70 to 53.70): VDC  
 Ion 52.00 (51.70 to 52.70): VDC  
 Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 193.49 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleId :

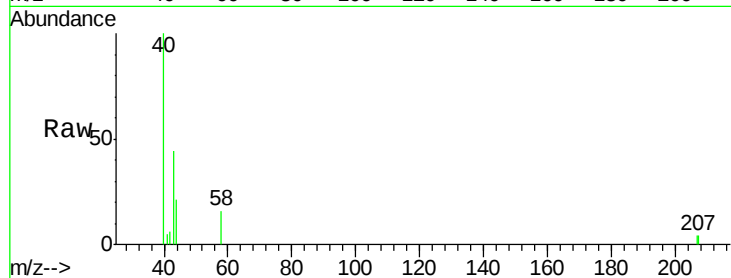
EP-2

Tgt Ion: 43 Resp: 5818

Ion Ratio Lower Upper

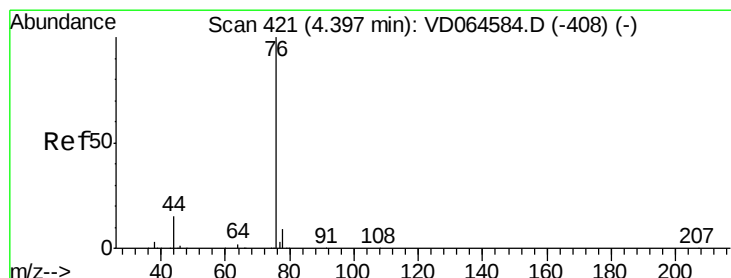
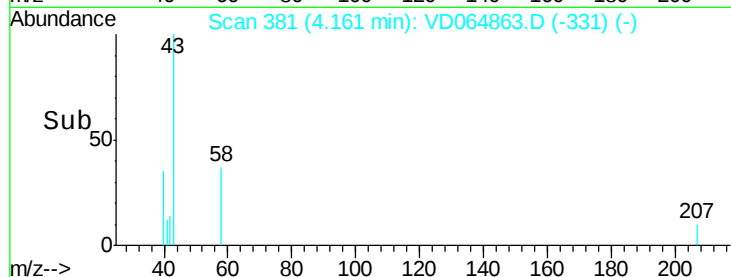
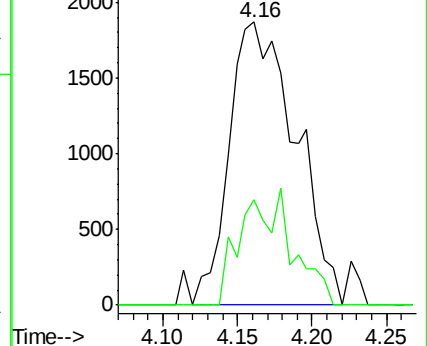
43 100

58 37.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.28 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064863.D

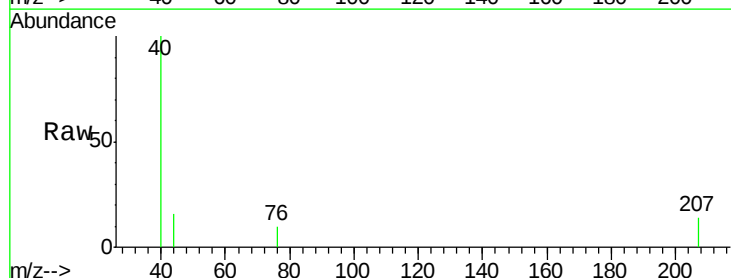
Acq: 17 Jan 2020 15:16

Tgt Ion: 76 Resp: 576

Ion Ratio Lower Upper

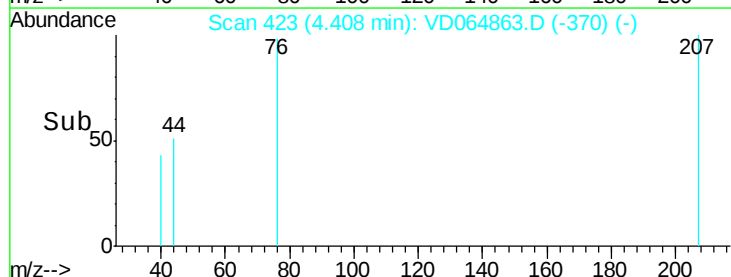
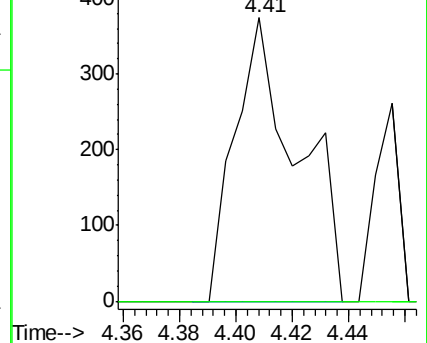
76 100

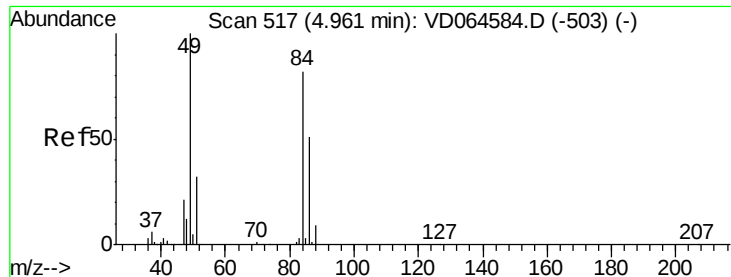
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleId :

EP-2

Tgt Ion: 84 Resp: 129

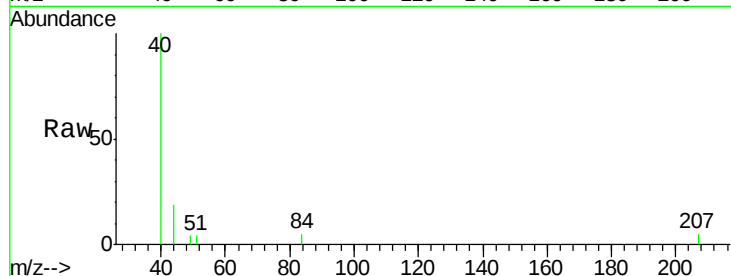
Ion Ratio Lower Upper

84 100

49 86.2 97.2 145.8#

51 81.0 31.4 47.0#

86 0.0 49.3 73.9#

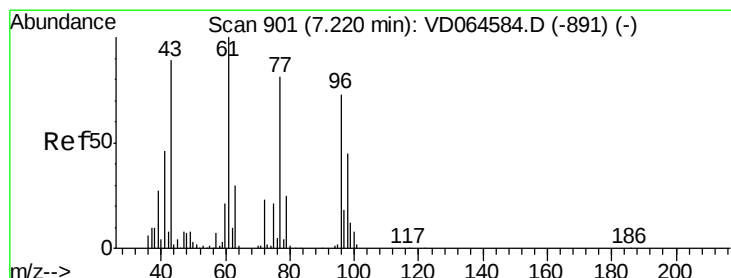
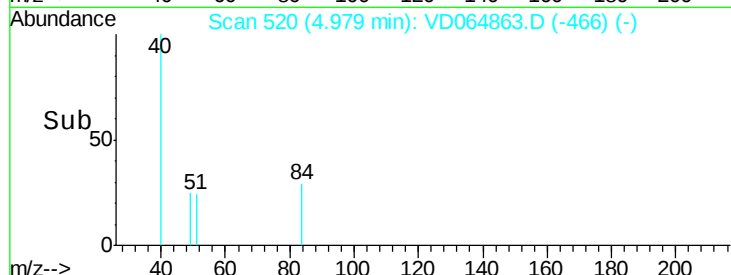
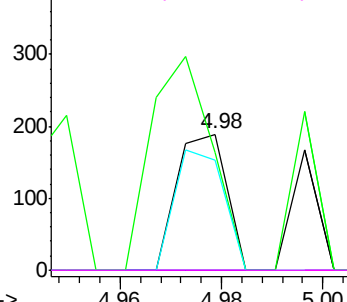


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 52.21 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD064863.D

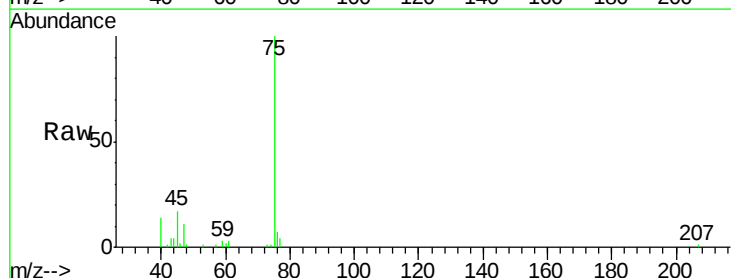
Acq: 17 Jan 2020 15:16

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

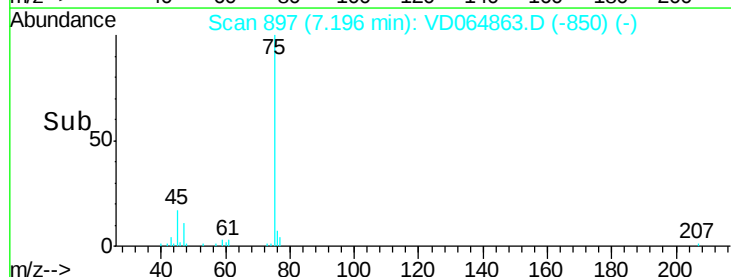
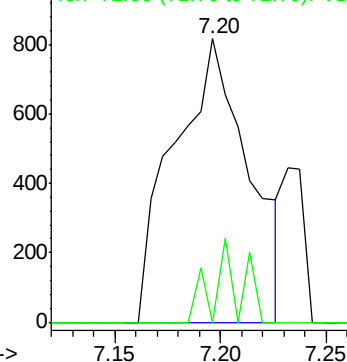
43 100

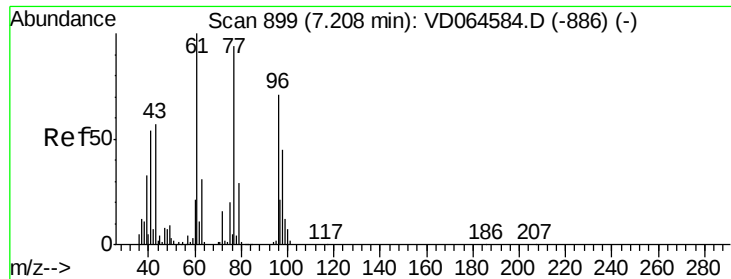
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 13.37 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampled :

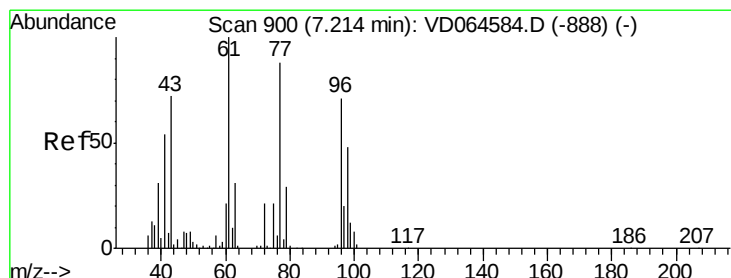
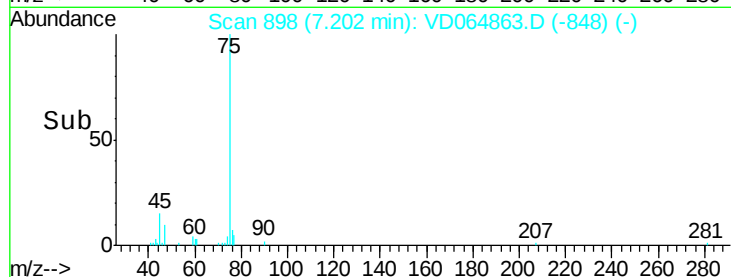
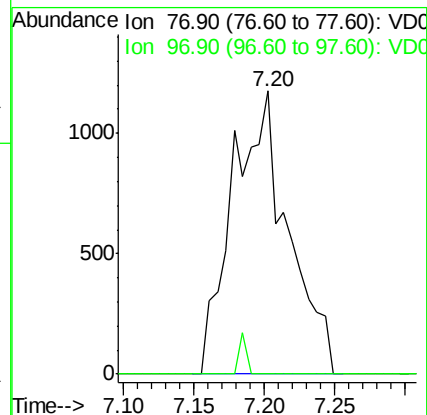
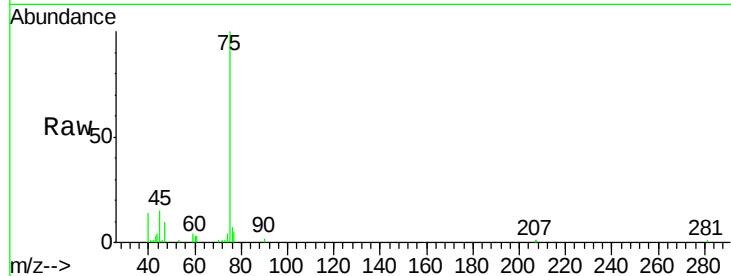
EP-2

Tgt Ion: 77 Resp: 3233

Ion Ratio Lower Upper

77 100

97 1.9 11.2 33.6#



#27

cis-1,2-Dichloroethene

Concen: 1.51 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

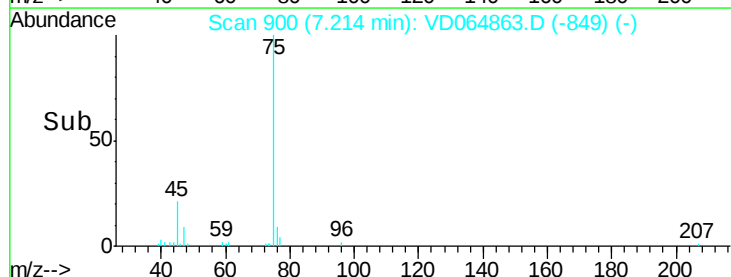
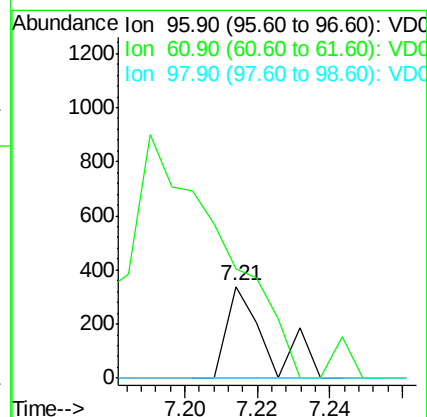
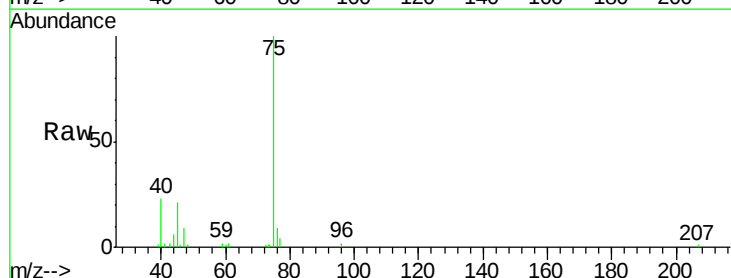
Tgt Ion: 96 Resp: 258

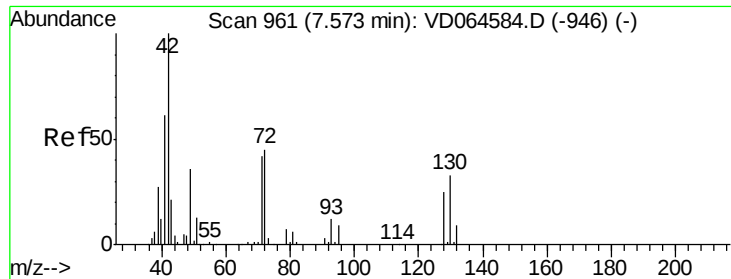
Ion Ratio Lower Upper

96 100

61 0.0 0.0 282.6

98 0.0 0.0 130.8

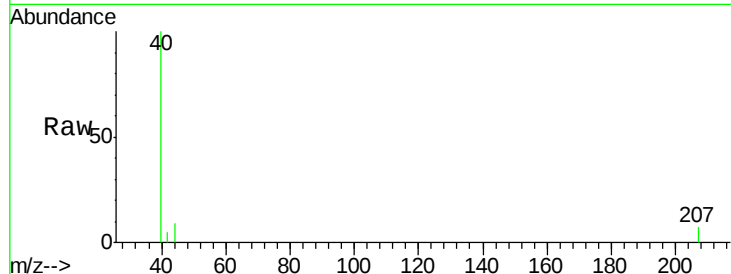




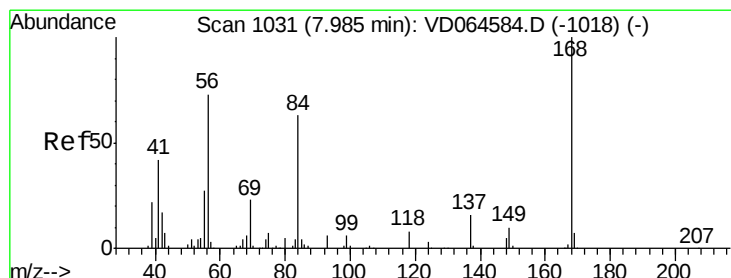
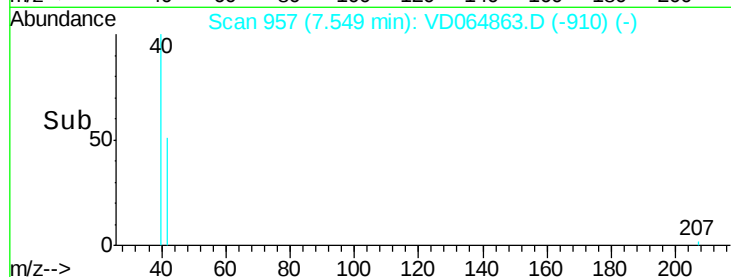
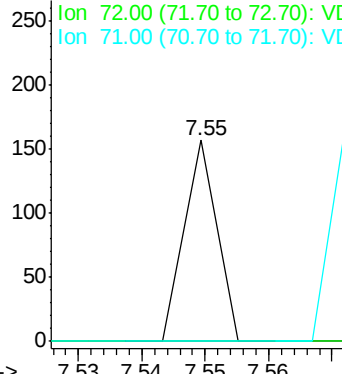
#29  
Tetrahydrofuran  
Concen: 2.30 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.02 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

Instrument :  
MSVOA\_D  
ClientSampled :  
EP-2

Tgt Ion: 42 Resp: 55  
Ion Ratio Lower Upper  
42 100  
72 0.0 35.0 52.4#  
71 0.0 32.9 49.3#

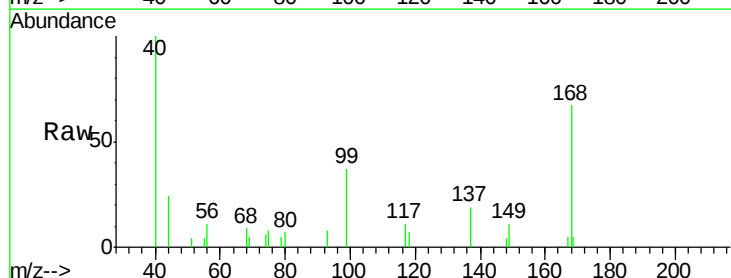


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

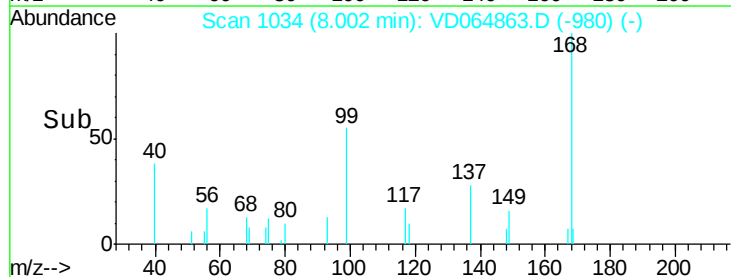
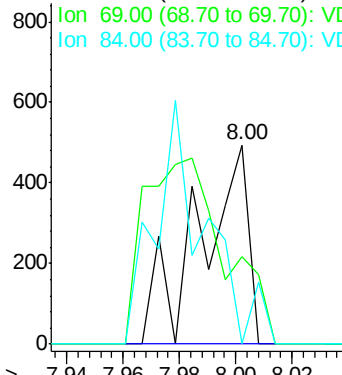


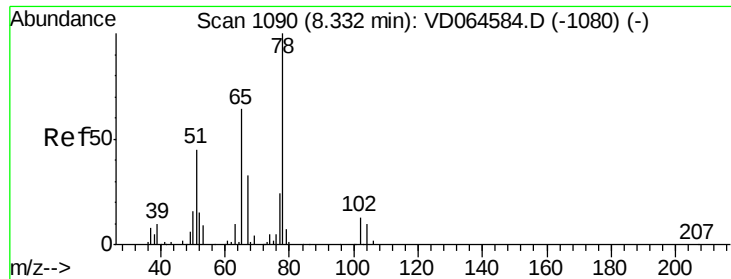
#31  
Cyclohexane  
Concen: 2.28 ug/l  
RT: 8.00 min Scan# 1034  
Delta R.T. 0.02 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

Tgt Ion: 56 Resp: 594  
Ion Ratio Lower Upper  
56 100  
69 44.0 24.7 37.1#  
84 0.0 69.4 104.2#



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

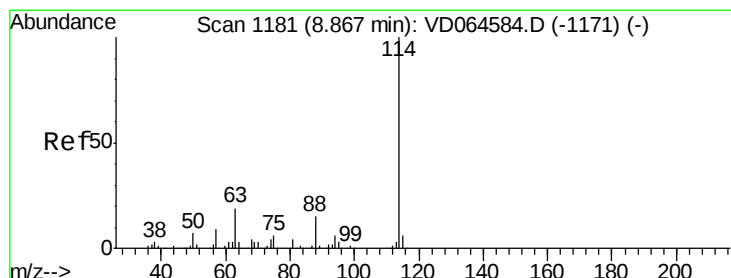
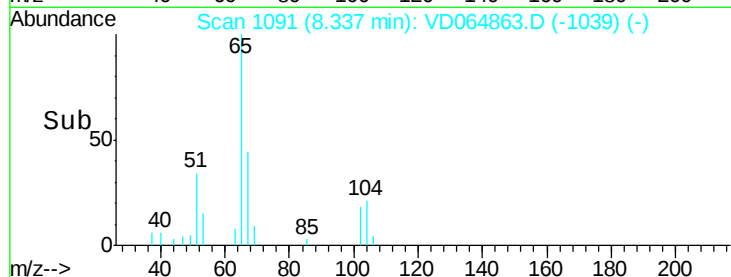
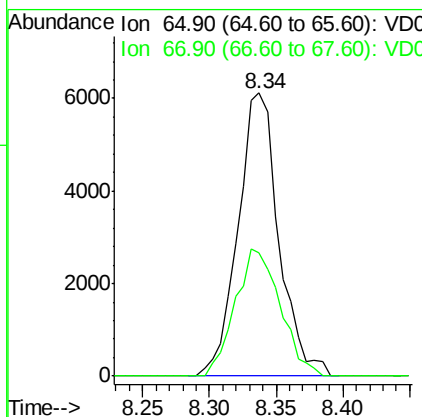
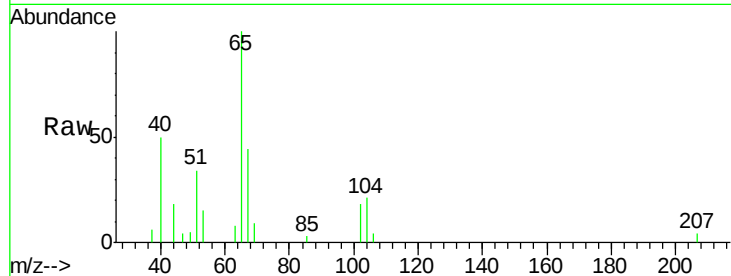




#33  
 1,2-Dichloroethane-d4  
 Concen: 92.70 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

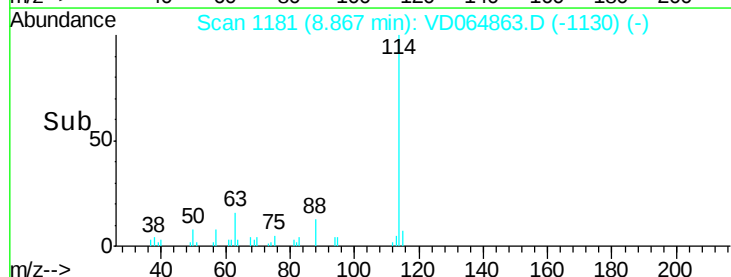
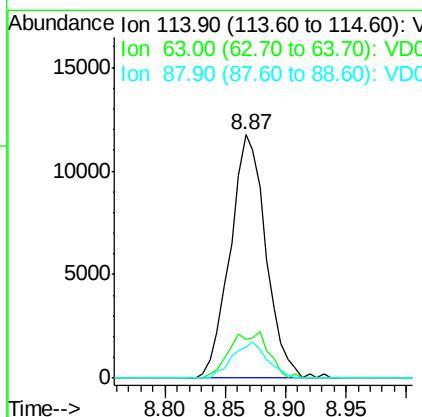
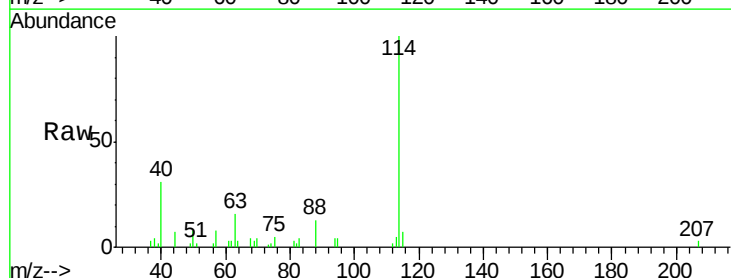
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

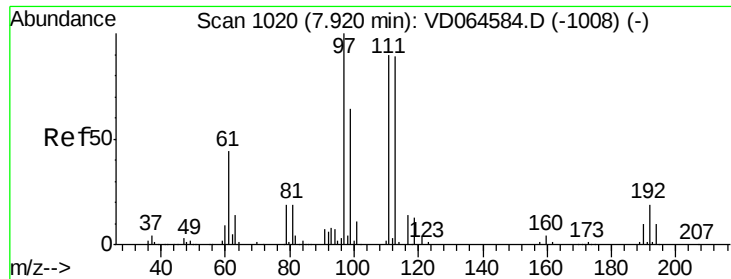
Tgt Ion: 65 Resp: 12946  
 Ion Ratio Lower Upper  
 65 100  
 67 49.7 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Tgt Ion: 114 Resp: 24209  
 Ion Ratio Lower Upper  
 114 100  
 63 15.9 0.0 38.0  
 88 12.9 0.0 29.2

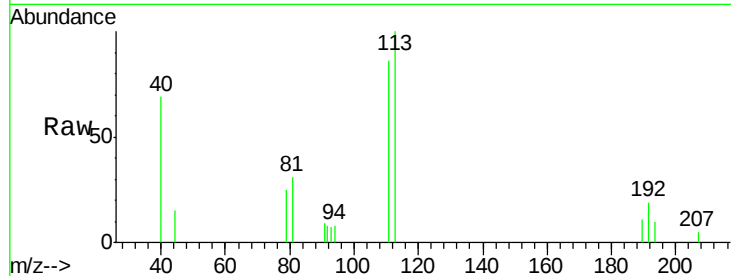




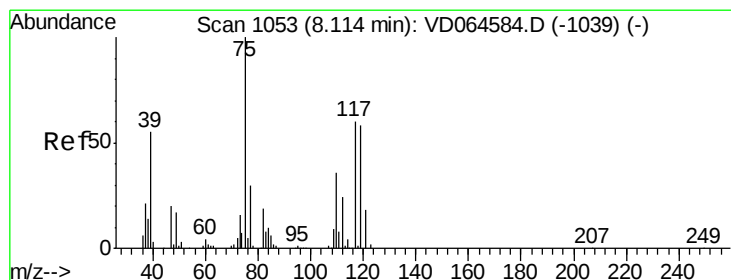
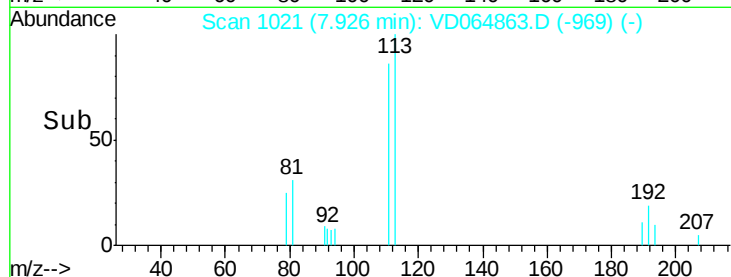
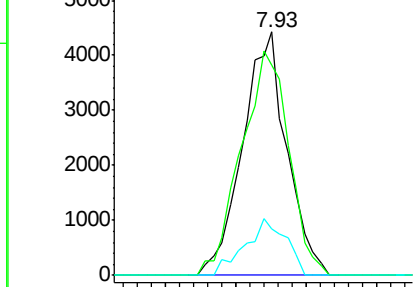
#35  
 Dibromofluoromethane  
 Concen: 65.42 ug/l  
 RT: 7.93 min Scan# 1021  
 Delta R.T. 0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

Tgt Ion: 113 Resp: 9716  
 Ion Ratio Lower Upper  
 113 100  
 111 99.0 80.6 121.0  
 192 21.3 17.9 26.9

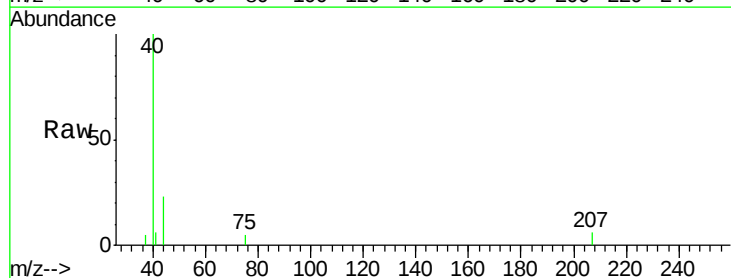


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

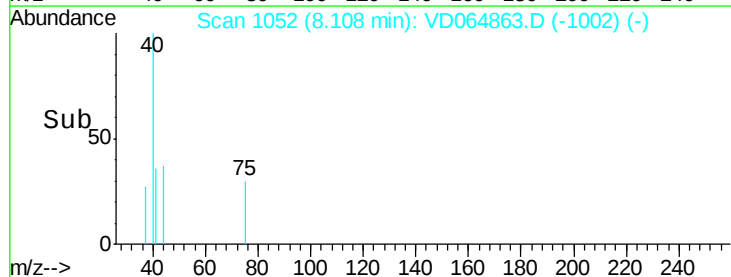
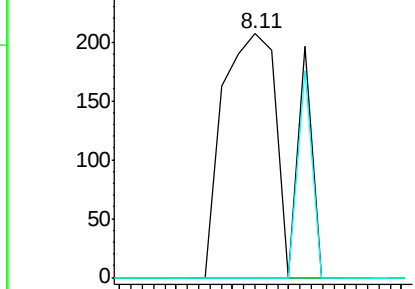


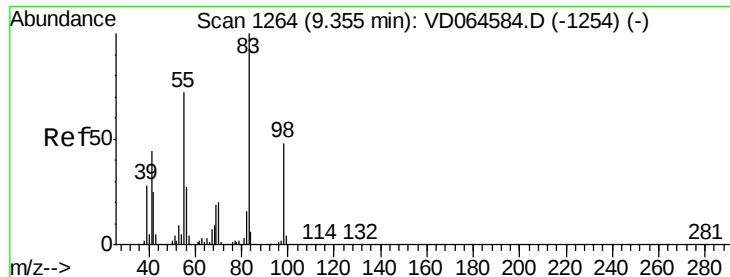
#36  
 1,1-Dichloropropene  
 Concen: 1.44 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Tgt Ion: 75 Resp: 335  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 18.1 54.1#  
 77 18.5 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VDC

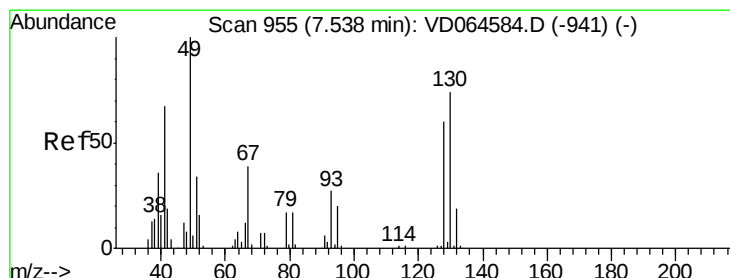
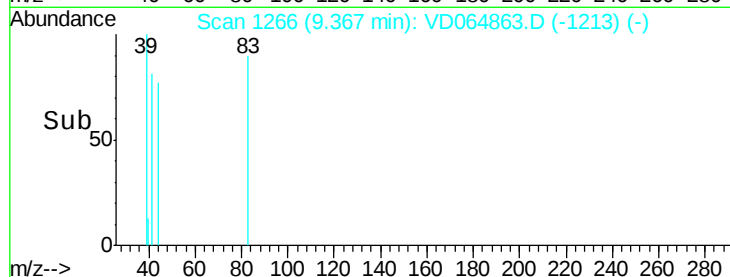
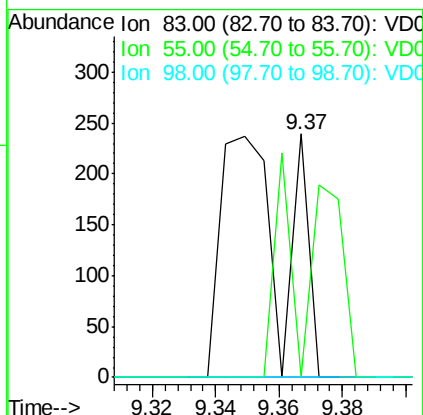
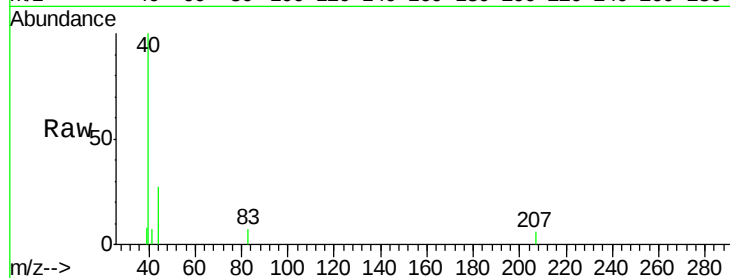




#39  
Methylcyclohexane  
Concen: 1.15 ug/l  
RT: 9.37 min Scan# 1266  
Delta R.T. 0.01 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

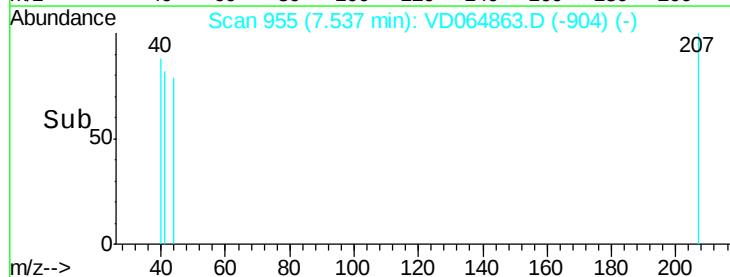
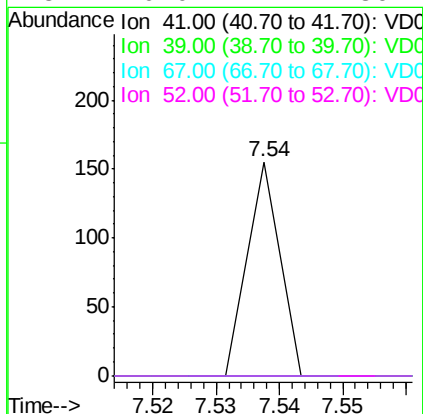
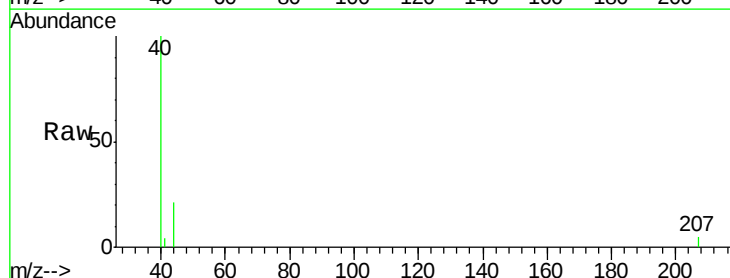
Instrument :  
MSVOA\_D  
ClientSampleId :  
EP-2

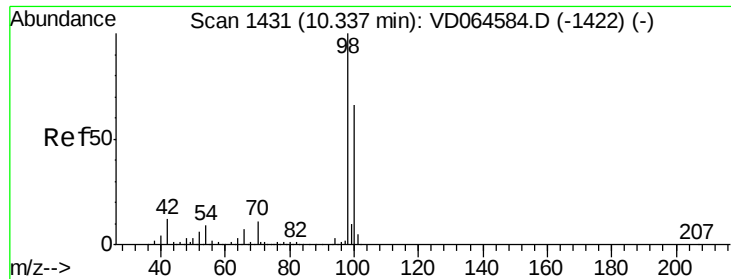
Tgt Ion: 83 Resp: 324  
Ion Ratio Lower Upper  
83 100  
55 0.0 57.8 86.6#  
98 0.0 38.7 58.1#



#41  
Methacrylonitrile  
Concen: 1.04 ug/l  
RT: 7.54 min Scan# 955  
Delta R.T. -0.00 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

Tgt Ion: 41 Resp: 55  
Ion Ratio Lower Upper  
41 100  
39 0.0 46.7 70.1#  
67 0.0 52.5 78.7#  
52 0.0 24.1 36.1#

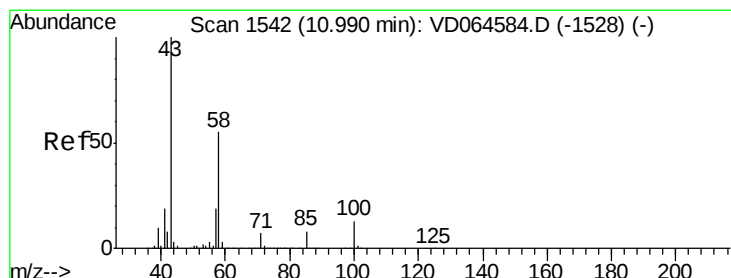
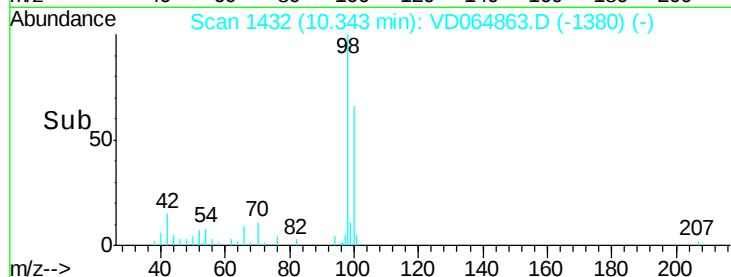
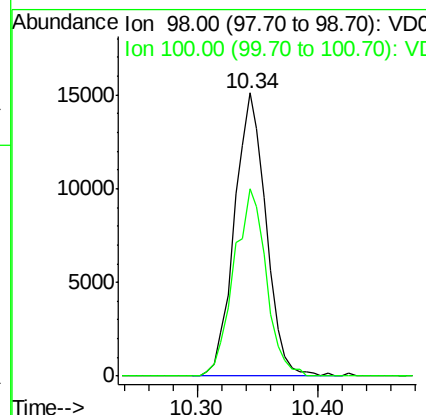
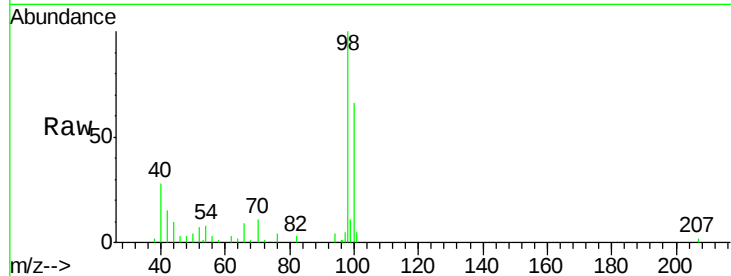




#50  
Toluene-d8  
Concen: 48.29 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

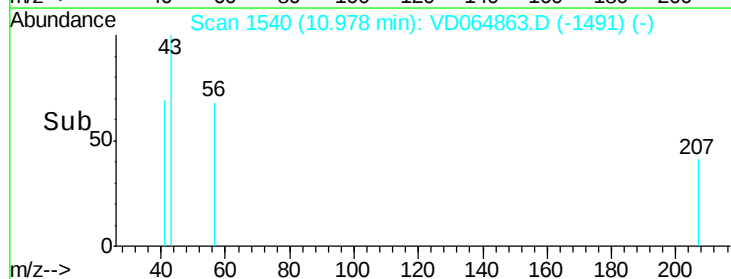
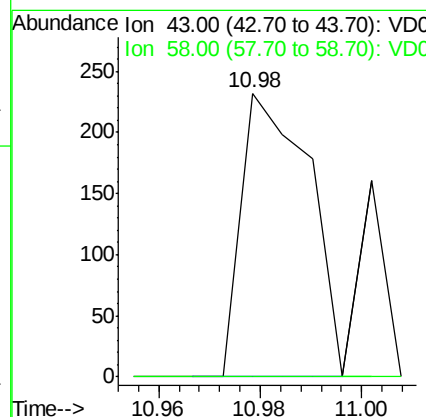
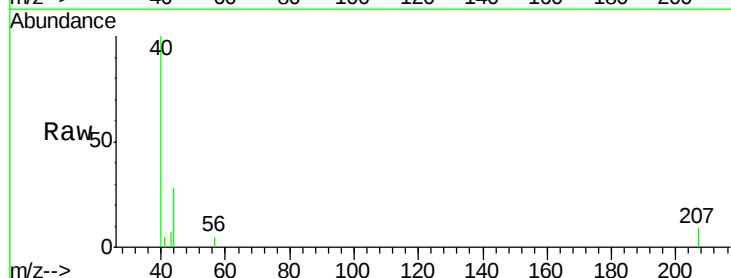
Instrument :  
MSVOA\_D  
ClientSampled :  
EP-2

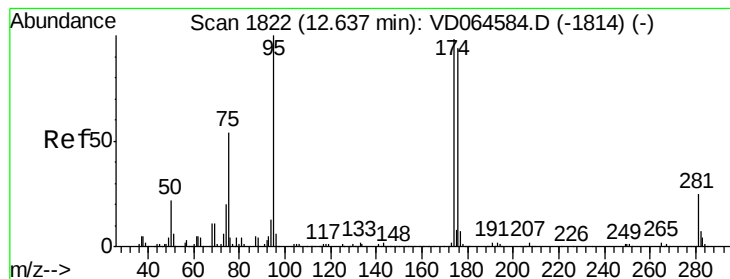
Tgt Ion: 98 Resp: 27467  
Ion Ratio Lower Upper  
98 100  
100 68.0 51.7 77.5



#59  
2-Hexanone  
Concen: 3.52 ug/l  
RT: 10.98 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: VD064863.D  
Acq: 17 Jan 2020 15:16

Tgt Ion: 43 Resp: 215  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.4 79.0#





#62

4-Bromofluorobenzene

Concen: 51.03 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleId :

EP-2

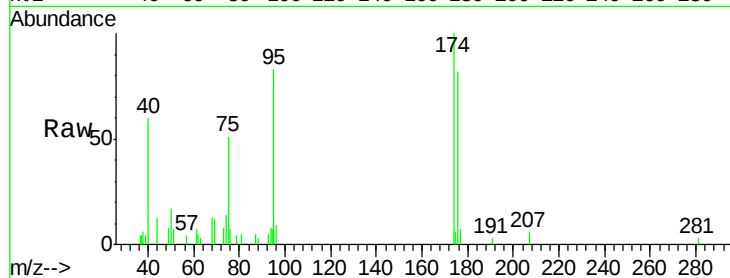
Tgt Ion: 95 Resp: 9179

Ion Ratio Lower Upper

95 100

174 102.2 0.0 193.2

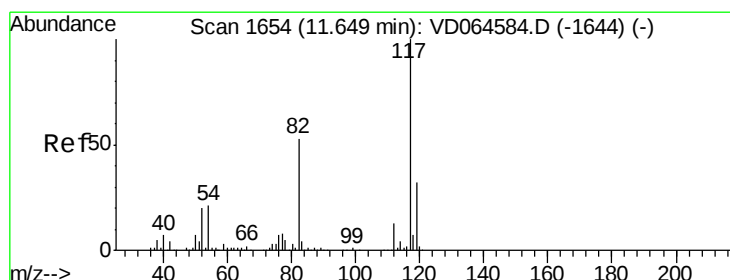
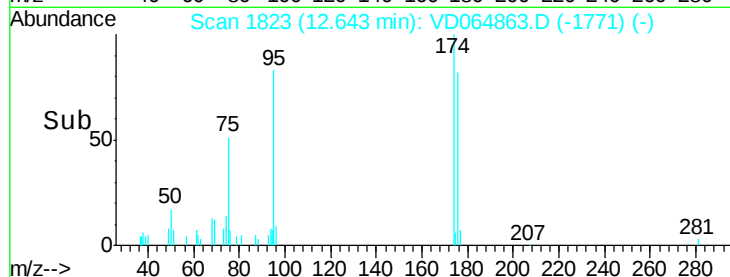
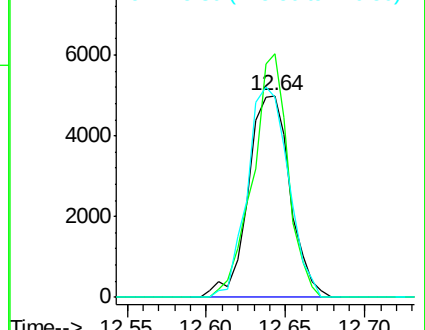
176 102.4 0.0 184.2



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: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

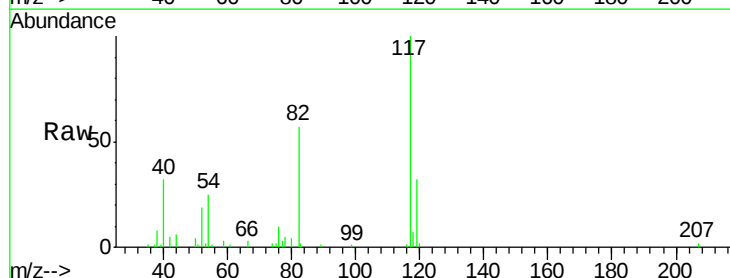
Tgt Ion: 117 Resp: 24891

Ion Ratio Lower Upper

117 100

82 57.0 42.2 63.4

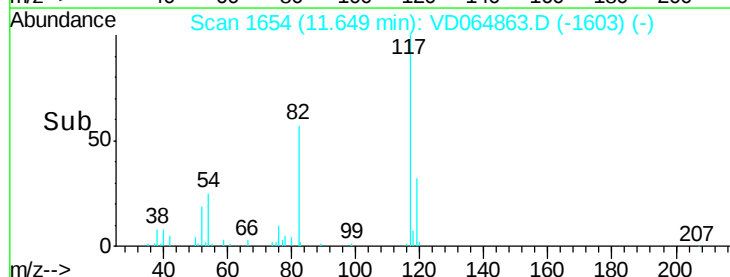
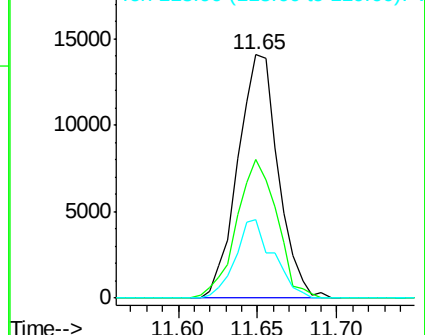
119 32.2 26.0 39.0

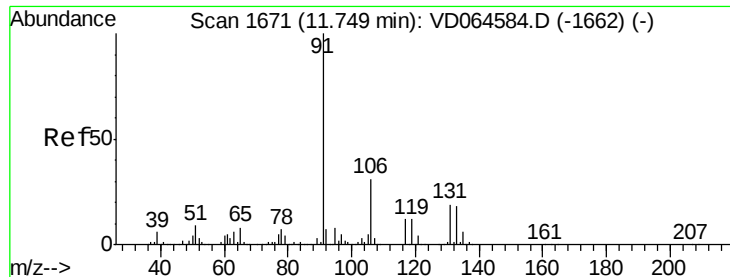


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.28 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleId :

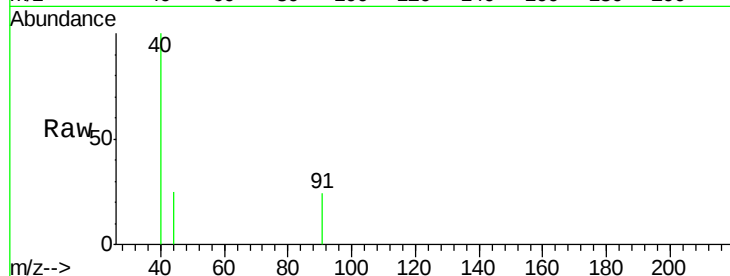
EP-2

Tgt Ion: 91 Resp: 1200

Ion Ratio Lower Upper

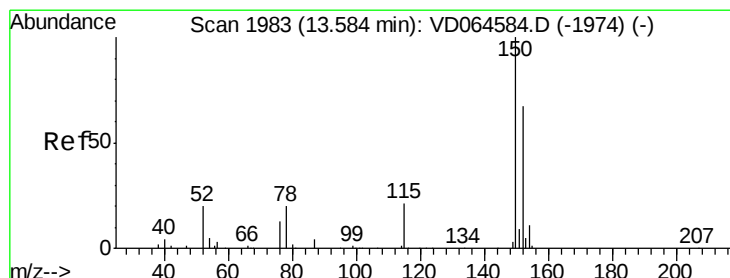
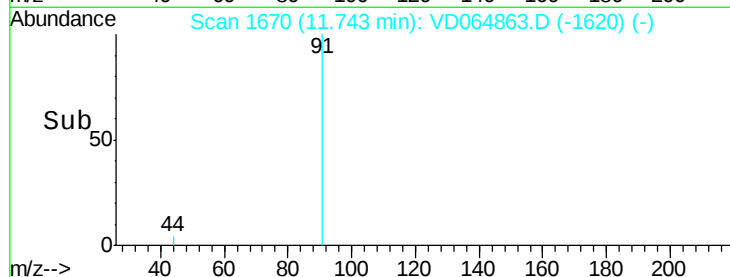
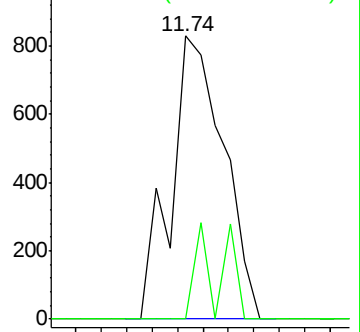
91 100

106 0.0 24.6 36.8#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

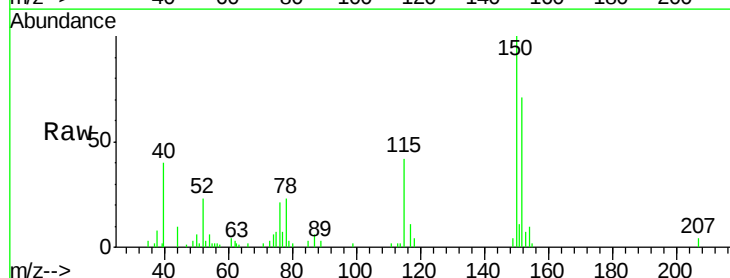
Tgt Ion: 152 Resp: 12570

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.4

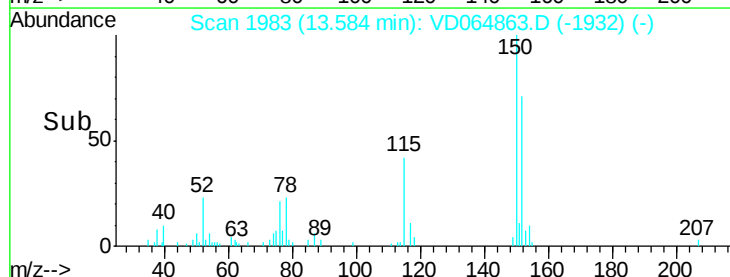
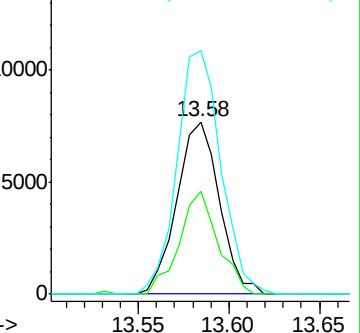
150 145.5 0.0 351.4

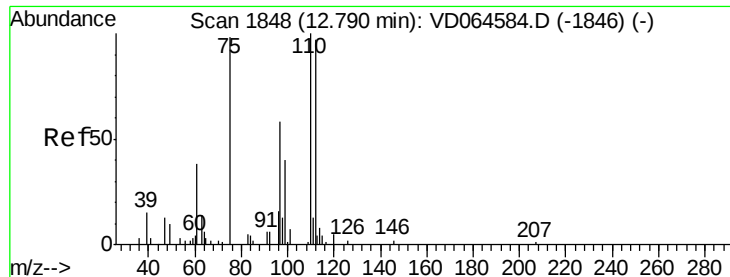


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.25 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

Instrument :

MSVOA\_D

ClientSampleId :

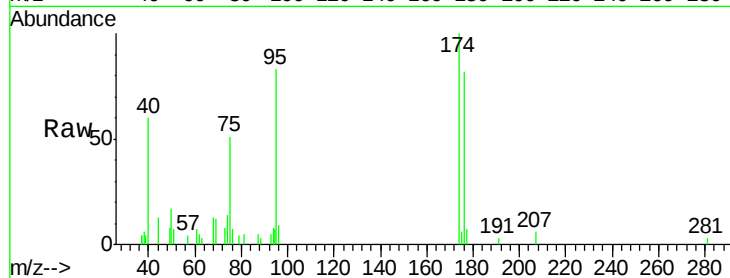
EP-2

Tgt Ion: 75 Resp: 5683

Ion Ratio Lower Upper

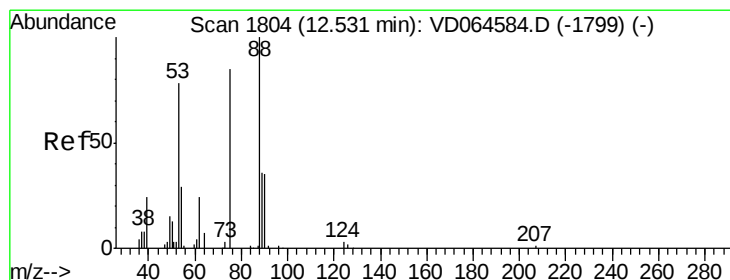
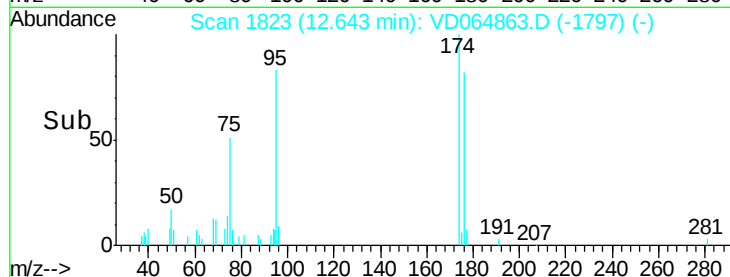
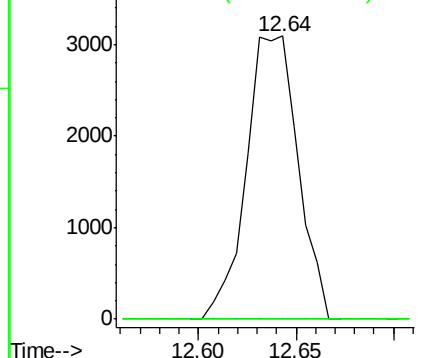
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 119.74 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064863.D

Acq: 17 Jan 2020 15:16

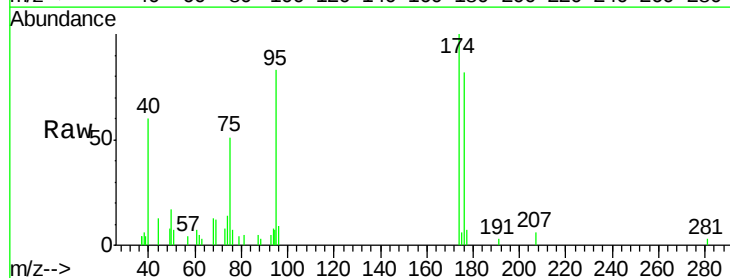
Tgt Ion: 75 Resp: 5683

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

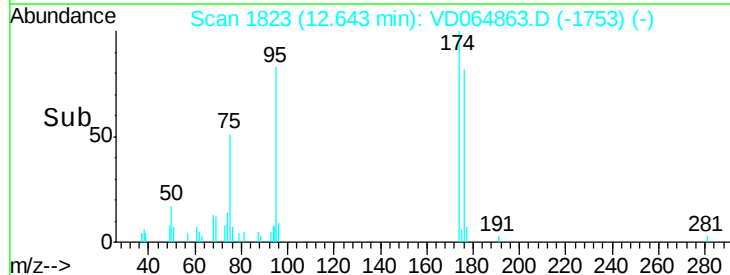
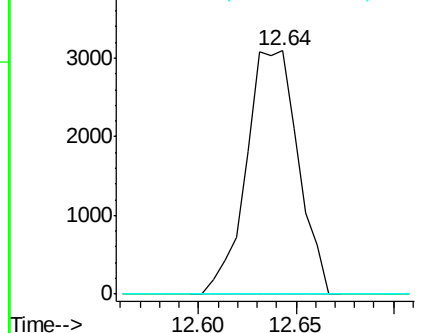
89 0.0 38.3 57.5#

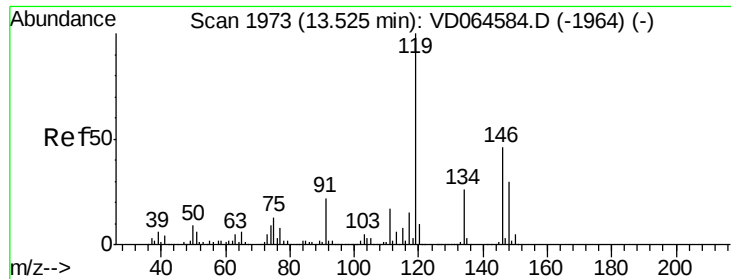


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

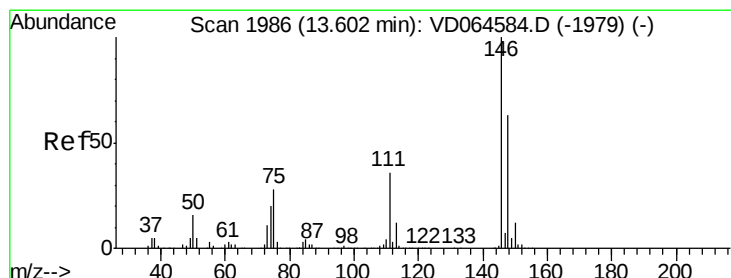
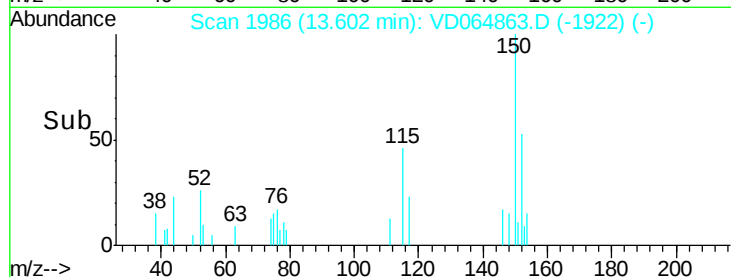
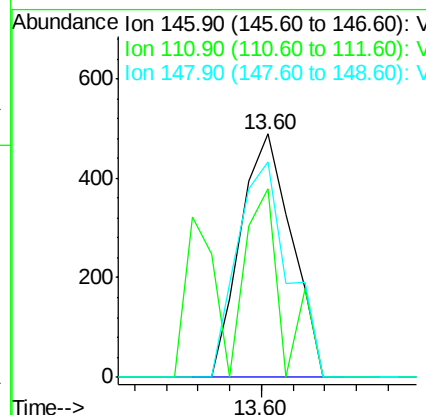
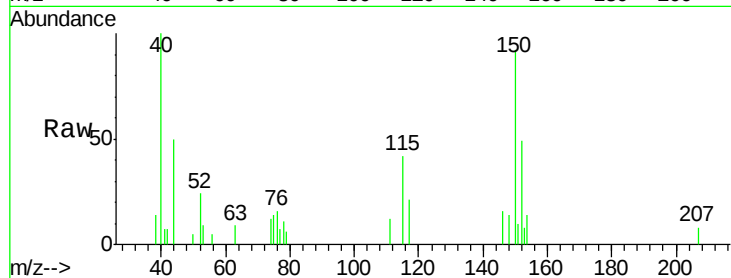




#87  
 1,3-Dichlorobenzene  
 Concen: 1.30 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.08 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

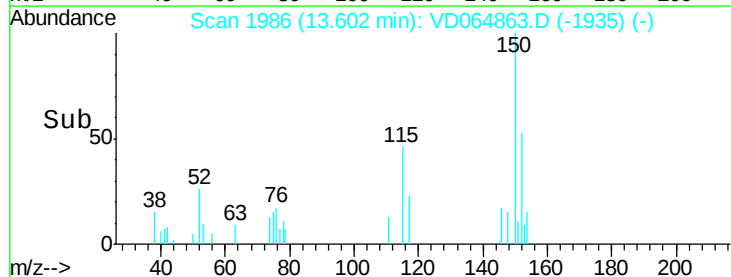
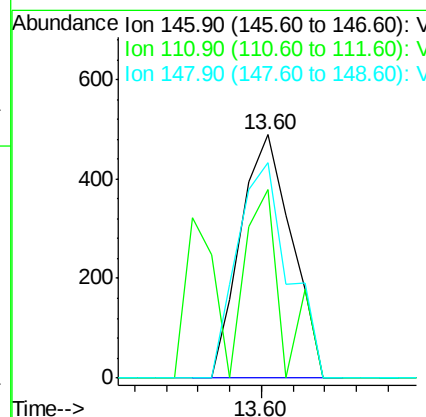
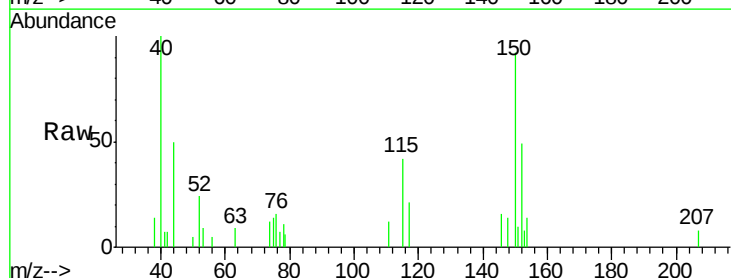
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

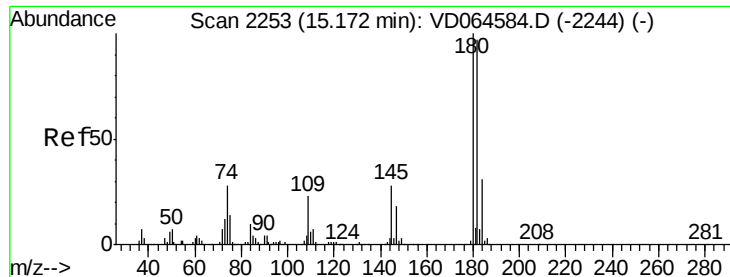
Tgt Ion:146 Resp: 546  
 Ion Ratio Lower Upper  
 146 100  
 111 55.7 18.8 56.4  
 148 89.4 32.5 97.5



#88  
 1,4-Dichlorobenzene  
 Concen: 1.32 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Tgt Ion:146 Resp: 546  
 Ion Ratio Lower Upper  
 146 100  
 111 55.7 18.1 54.1#  
 148 89.4 32.3 96.9

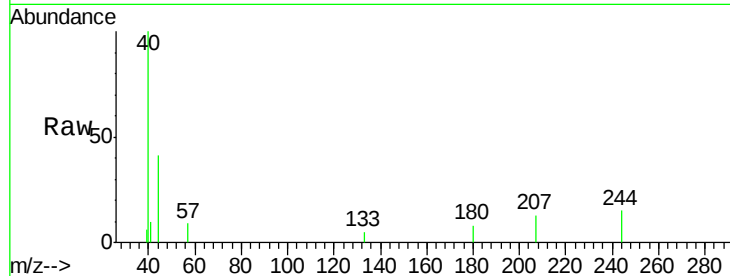




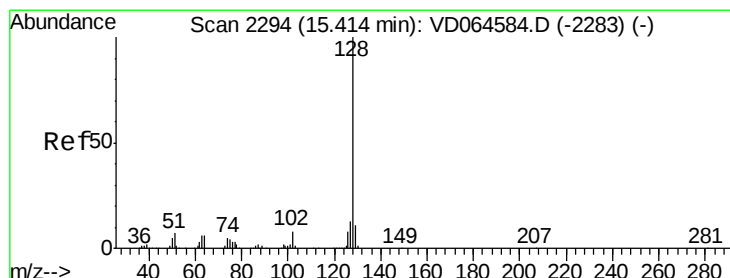
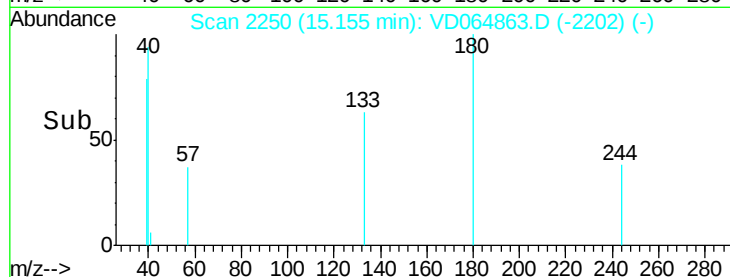
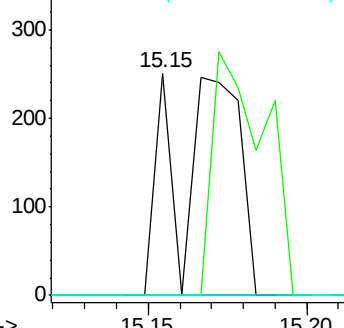
#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.28 ug/l  
 RT: 15.15 min Scan# 2250  
 Delta R.T. -0.02 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

Tgt Ion:180 Resp: 338  
 Ion Ratio Lower Upper  
 180 100  
 182 93.2 48.0 144.2  
 145 0.0 13.8 41.4#

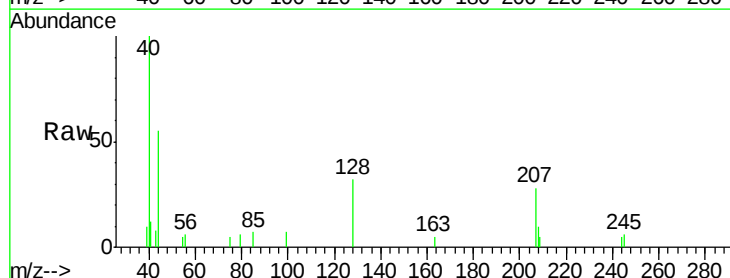


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

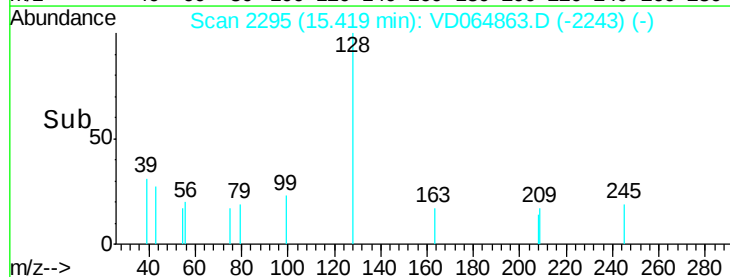
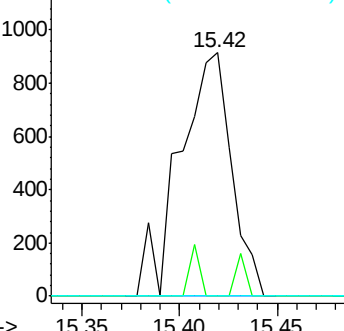


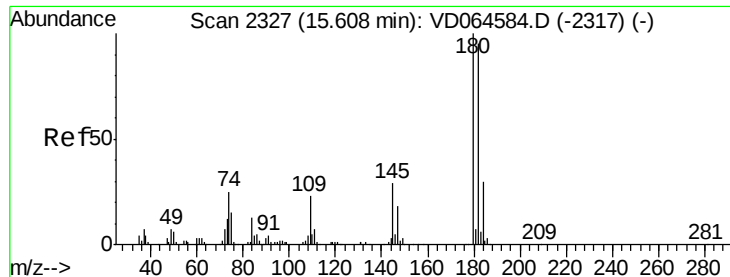
#95  
 Naphthalene  
 Concen: 4.03 ug/l  
 RT: 15.42 min Scan# 2295  
 Delta R.T. 0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Tgt Ion:128 Resp: 1685  
 Ion Ratio Lower Upper  
 128 100  
 127 3.3 10.3 15.5#  
 129 0.0 8.5 12.7#



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

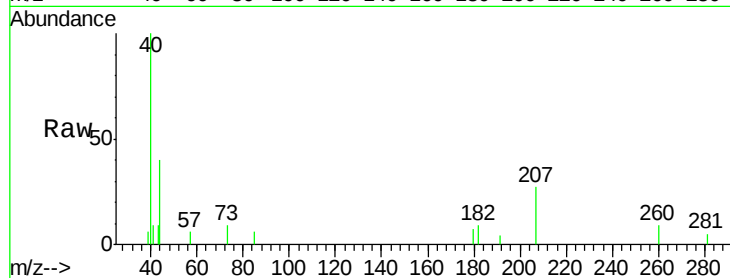




#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.69 ug/l  
 RT: 15.60 min Scan# 2326  
 Delta R.T. -0.01 min  
 Lab File: VD064863.D  
 Acq: 17 Jan 2020 15:16

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EP-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 102.1 | 47.9  | 143.7 |
| 145     | 0.0   | 14.9  | 44.7# |



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

