

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\  
 Data File : VD061311.D  
 Acq On : 25 Mar 2019 19:30  
 Operator : VA/AP  
 Sample : K2043-07  
 Misc : 6.40g/5ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)

Quant Time: Mar 26 04:30:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

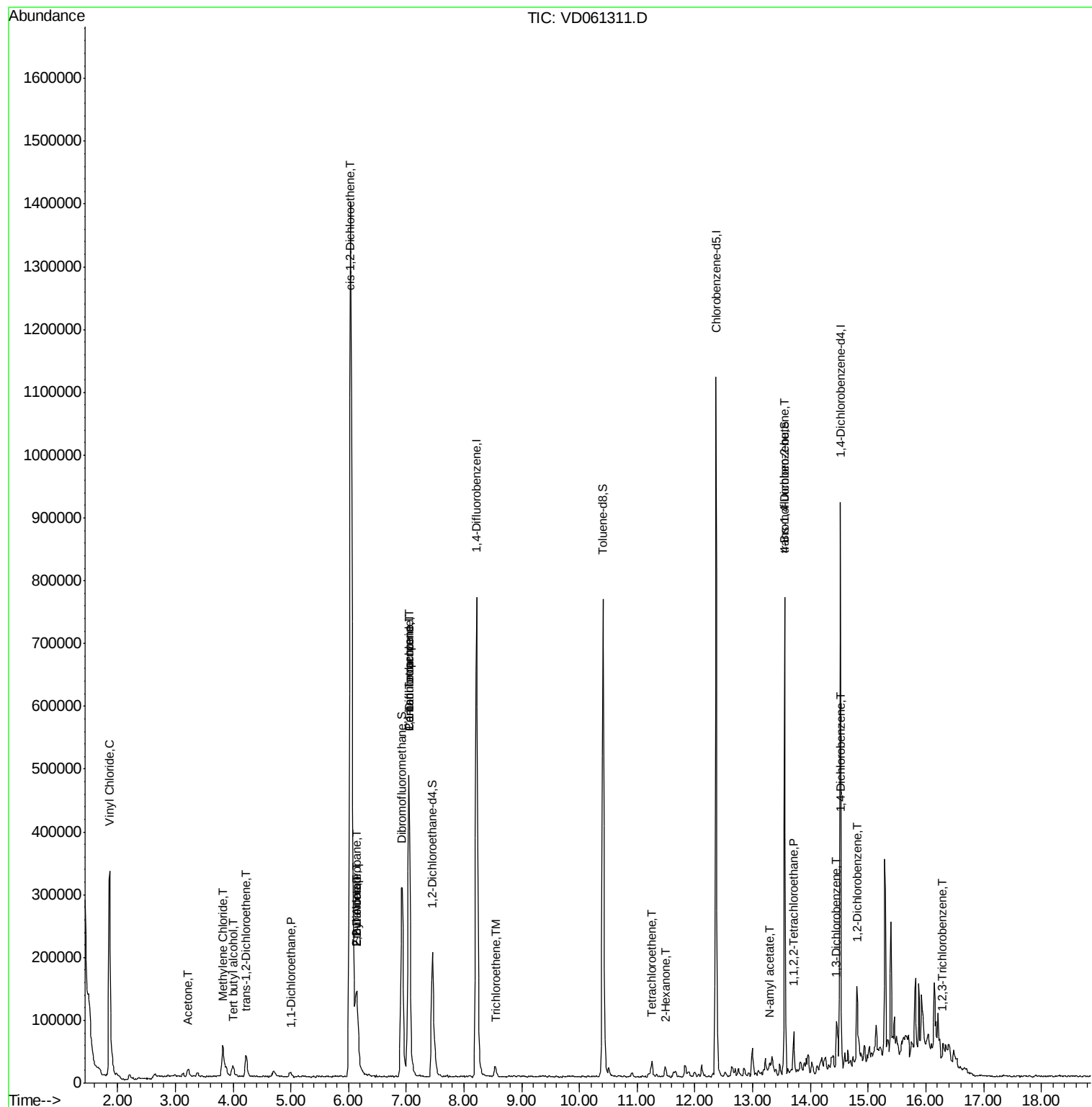
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene          | 7.05  | 168  | 530835   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.22  | 114  | 945825   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 12.36 | 117  | 683605   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 14.52 | 152  | 220061   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds    |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4      | 7.45  | 65   | 184477   | 40.28   | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 80.56% |          |
| 35) Dibromofluoromethane       | 6.92  | 113  | 306198   | 42.31   | ug/l   | -0.02    |
| Spiked Amount 50.000           |       |      | Recovery | =       | 84.62% |          |
| 50) Toluene-d8                 | 10.40 | 98   | 666892   | 38.00   | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 76.00% |          |
| 62) 4-Bromofluorobenzene       | 13.55 | 95   | 226283   | 33.05   | ug/l   | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =       | 66.10% |          |
| Target Compounds               |       |      |          |         |        |          |
|                                |       |      |          |         | Qvalue |          |
| 4) Vinyl Chloride              | 1.86  | 62   | 449399   | 113.524 | ug/l   | 98       |
| 11) Tert butyl alcohol         | 4.00  | 59   | 16338    | 67.014  | ug/l # | 77       |
| 16) Acetone                    | 3.22  | 43   | 26882    | 24.539  | ug/l   | 95       |
| 20) Methylene Chloride         | 3.82  | 84   | 38637    | 6.214   | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene   | 4.22  | 96   | 22113    | 3.857   | ug/l   | 89       |
| 24) 1,1-Dichloroethane         | 4.99  | 63   | 12868    | 1.442   | ug/l # | 90       |
| 25) 2-Butanone                 | 6.13  | 43   | 6192     | 4.887   | ug/l   | 93       |
| 26) 2,2-Dichloropropane        | 6.14  | 77   | 7652     | 1.010   | ug/l # | 48       |
| 27) cis-1,2-Dichloroethene     | 6.03  | 96   | 1133415  | 183.706 | ug/l   | 95       |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 37447    | 4.839   | ug/l # | 46       |
| 37) Ethyl Acetate              | 6.13  | 43   | 6192     | 1.916   | ug/l # | 1        |
| 38) Carbon Tetrachloride       | 7.04  | 117  | 48861    | 5.525   | ug/l # | 15       |
| 44) Trichloroethene            | 8.54  | 130  | 7997     | 1.151   | ug/l   | 91       |
| 59) 2-Hexanone                 | 11.48 | 43   | 9856     | 4.891   | ug/l # | 24       |
| 64) Tetrachloroethene          | 11.25 | 164  | 6746     | 1.433   | ug/l   | 88       |
| 74) N-amyl acetate             | 13.29 | 43   | 6762     | 1.806   | ug/l # | 53       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 3463     | 1.248   | ug/l # | 64       |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 81152    | 93.961  | ug/l # | 17       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 22265    | 3.142   | ug/l   | 89       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 10389    | 1.513   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 32108    | 5.678   | ug/l   | 93       |
| 96) 1,2,3-Trichlorobenzene     | 16.27 | 180  | 1320     | 1.082   | ug/l # | 58       |

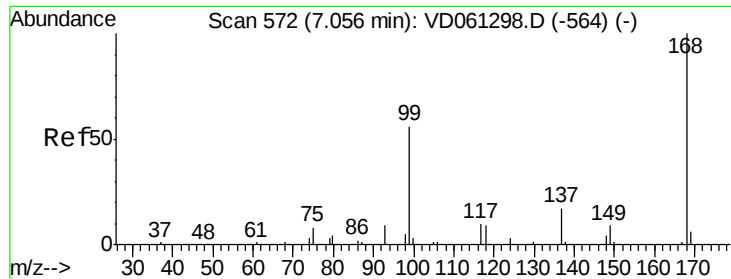
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\  
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MSVOA\_D  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 03:31:57 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

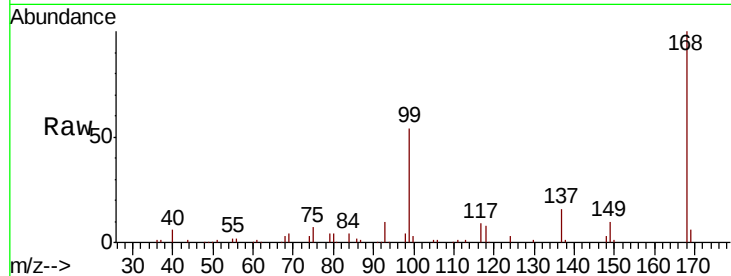
WP022SB441-190319-(23-25)

Tot Ion:168 Resp: 530835

Ion Ratio Lower Upper

168 100

99 53.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

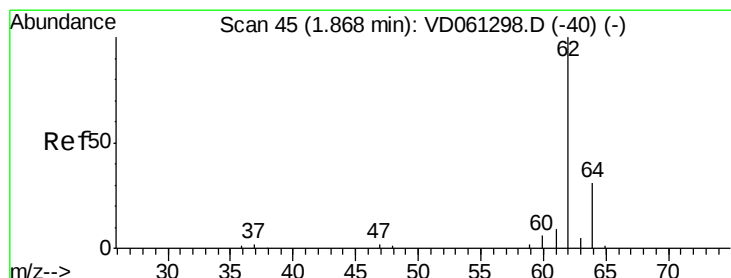
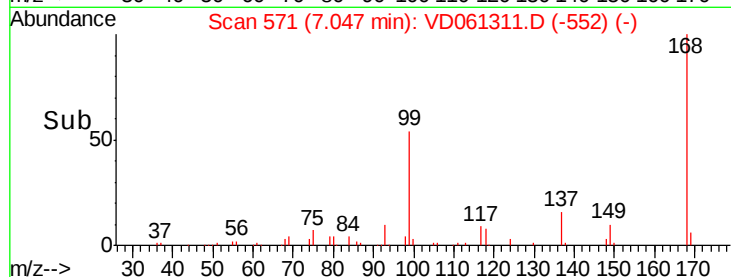
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#4

Vinyl Chloride

Concen: 113.524 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061311.D

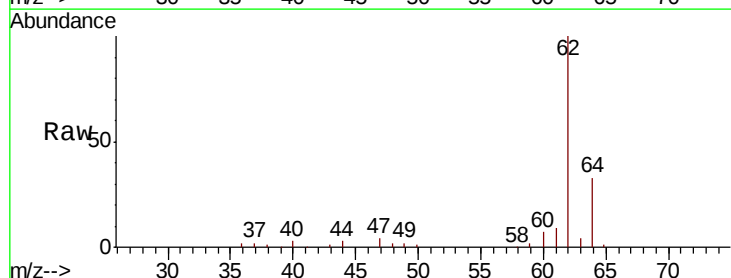
Acq: 25 Mar 2019 19:30

Tgt Ion: 62 Resp: 449399

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

200000

150000

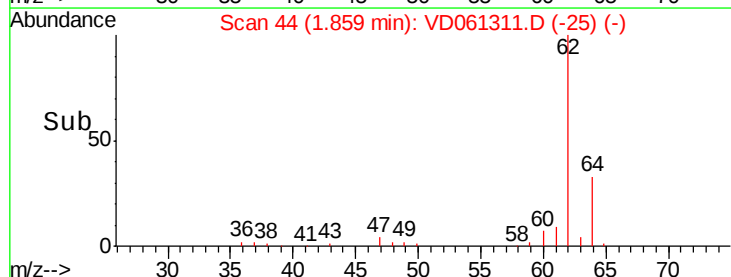
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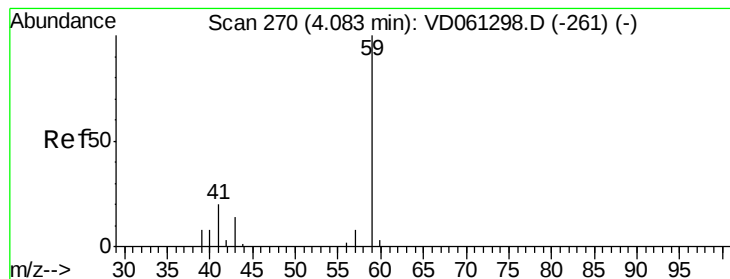
50000

0

1.80 1.90 2.00 2.10

Time-->



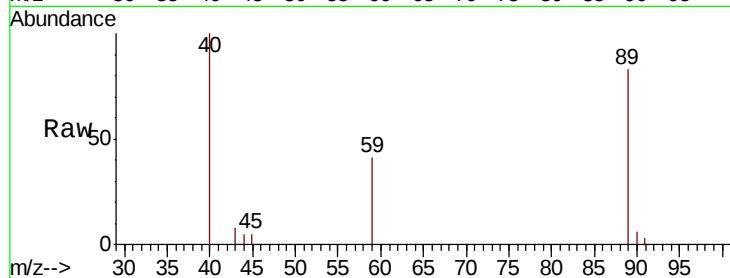


#11

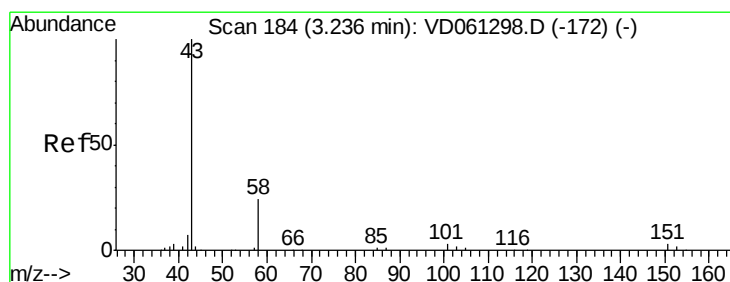
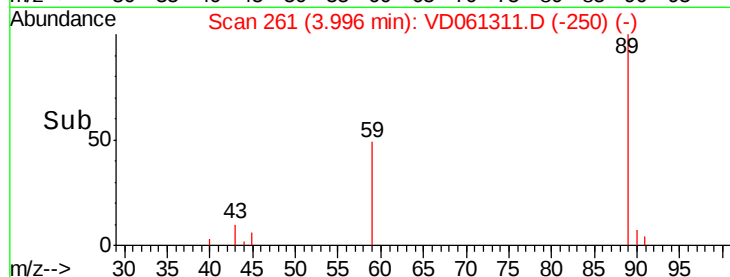
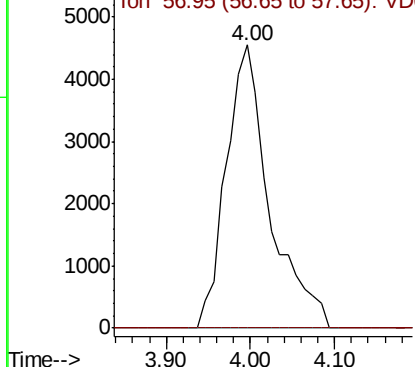
Tert butyl alcohol  
 Concen: 67.014 ug/l  
 RT: 4.00 min Scan# 261  
 Delta R.T. -0.09 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)

Tot Ion: 59 Resp: 16338  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 6.6 9.8#



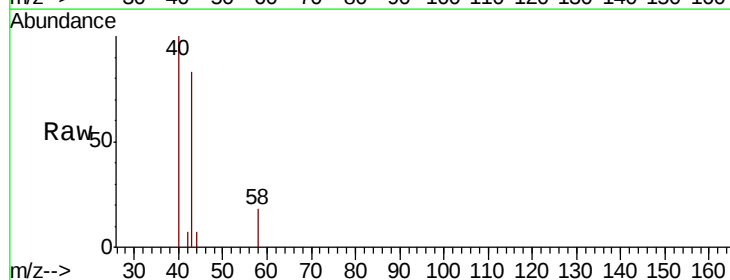
Abundance Ion 58.95 (58.65 to 59.65): VDC  
 Ion 56.95 (56.65 to 57.65): VDC



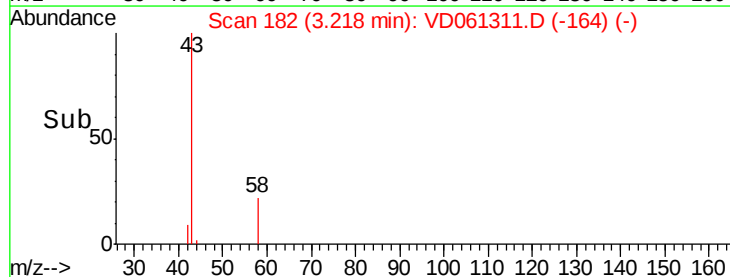
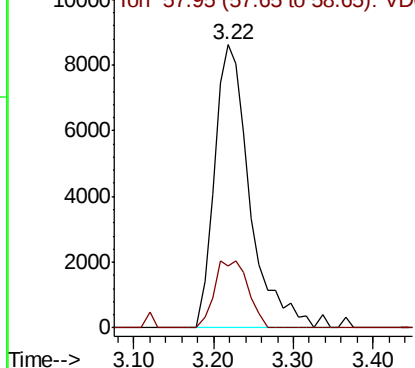
#16

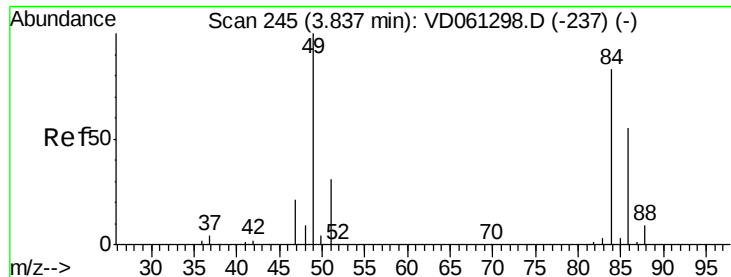
Acetone  
 Concen: 24.539 ug/l  
 RT: 3.22 min Scan# 182  
 Delta R.T. -0.02 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Tgt Ion: 43 Resp: 26882  
 Ion Ratio Lower Upper  
 43 100  
 58 22.0 19.4 29.0



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

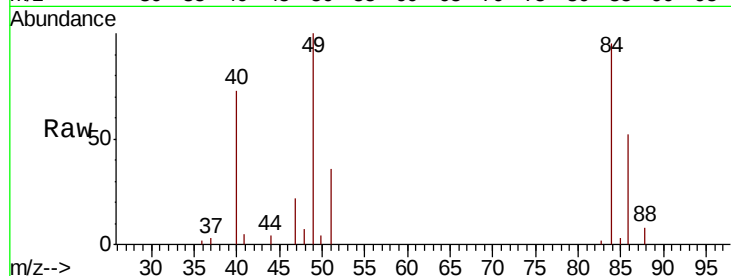




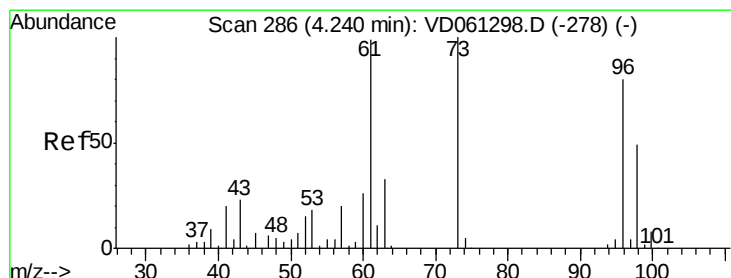
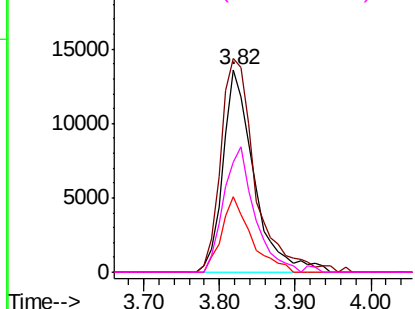
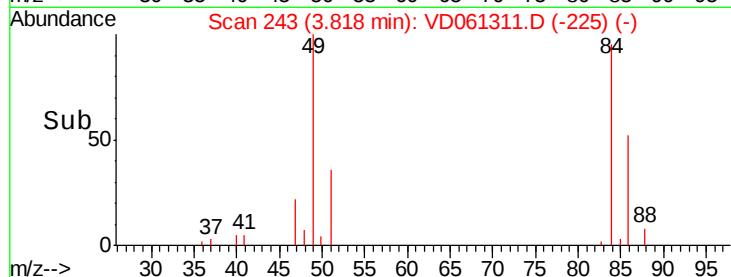
#20  
Methylene Chloride  
Concen: 6.214 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. -0.02 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)

Tot Ion: 84 Resp: 38637  
Ion Ratio Lower Upper  
84 100  
49 105.6 96.8 145.2  
51 37.5 29.9 44.9  
86 54.4 53.1 79.7

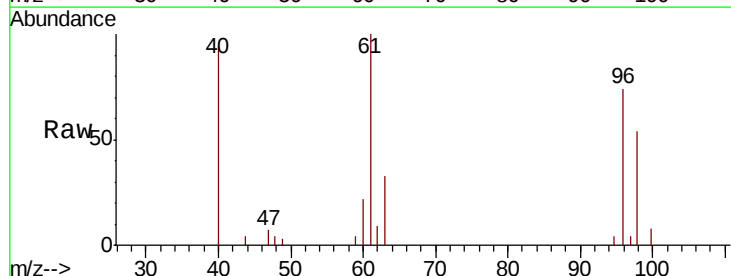


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

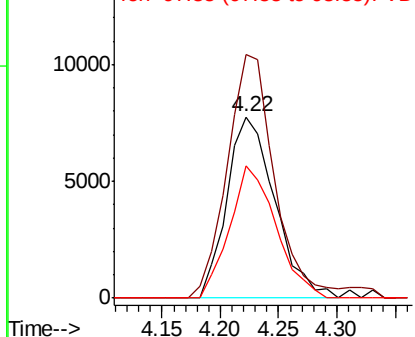
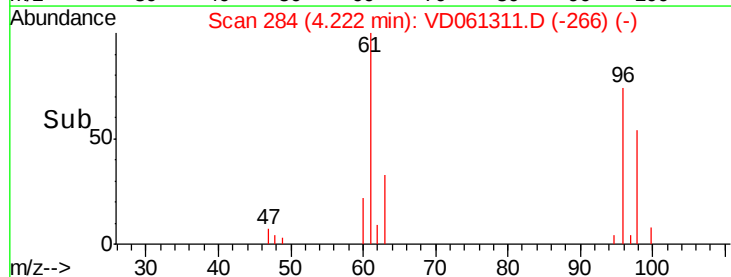


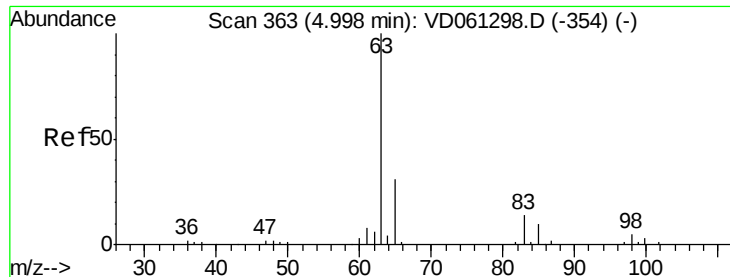
#21  
trans-1,2-Dichloroethene  
Concen: 3.857 ug/l  
RT: 4.22 min Scan# 284  
Delta R.T. -0.02 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

Tgt Ion: 96 Resp: 22113  
Ion Ratio Lower Upper  
96 100  
61 134.5 99.2 148.8  
98 72.8 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#24

1,1-Dichloroethane

Concen: 1.442 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)

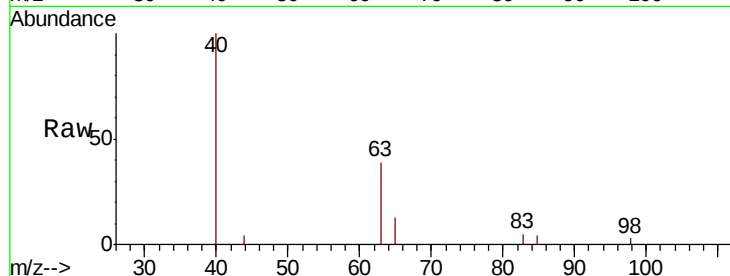
Tot Ion: 63 Resp: 12868

Ion Ratio Lower Upper

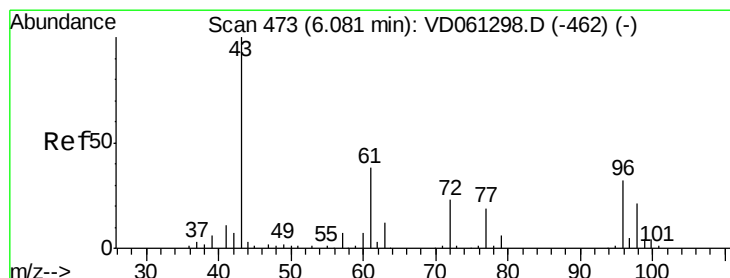
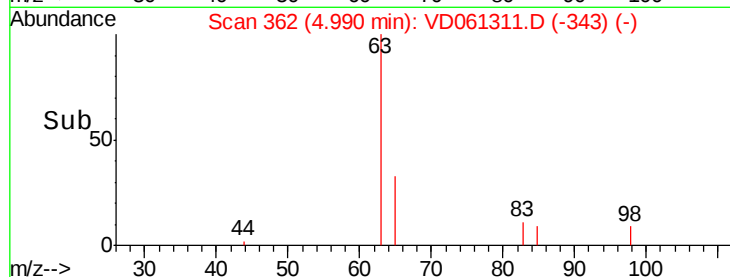
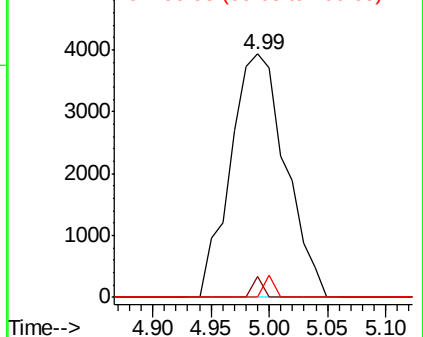
63 100

98 8.7 2.8 8.3#

100 0.0 1.6 4.8#



Abundance Ion 62.95 (62.65 to 63.65): VDC  
Ion 97.95 (97.65 to 98.65): VDC  
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 4.887 ug/l

RT: 6.13 min Scan# 478

Delta R.T. 0.05 min

Lab File: VD061311.D

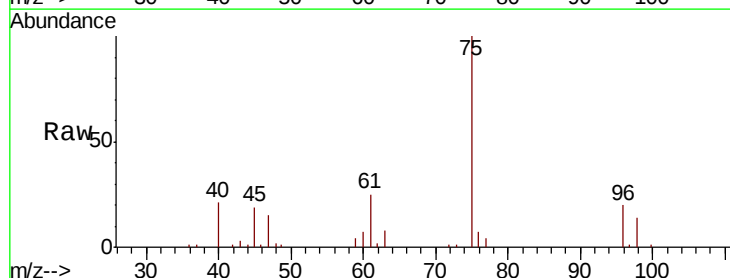
Acq: 25 Mar 2019 19:30

Tgt Ion: 43 Resp: 6192

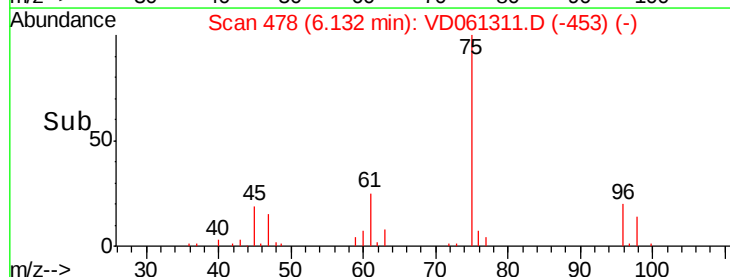
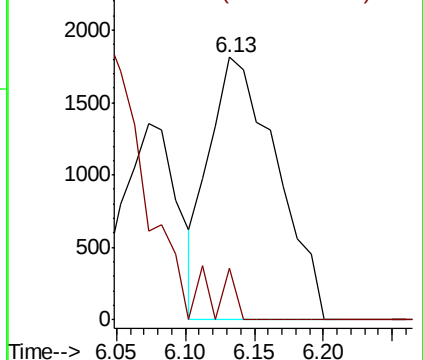
Ion Ratio Lower Upper

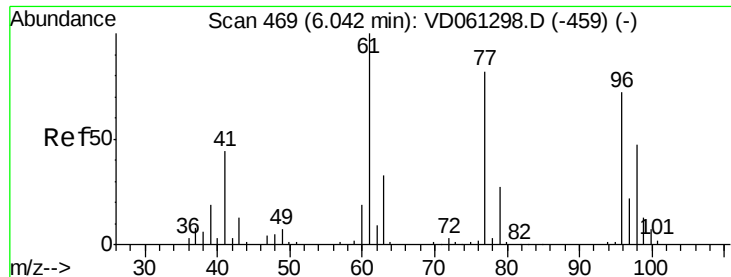
43 100

72 19.8 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 72.00 (71.70 to 72.70): VDC

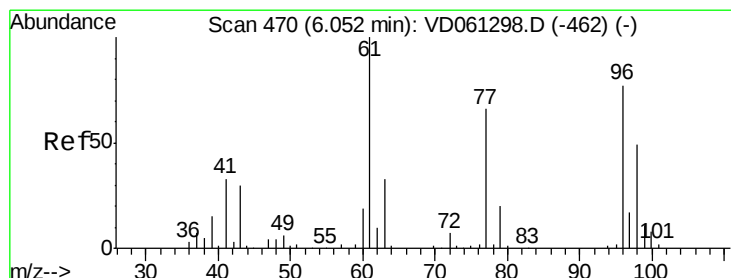
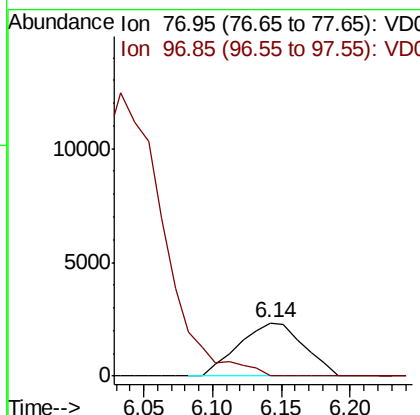
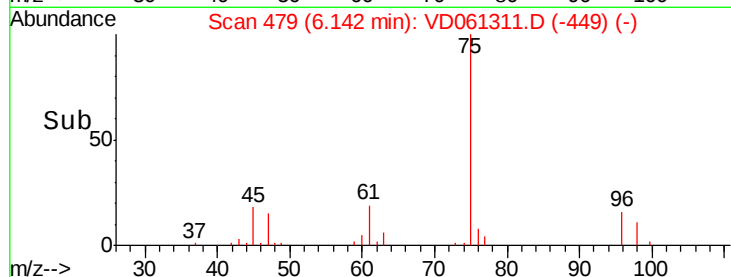
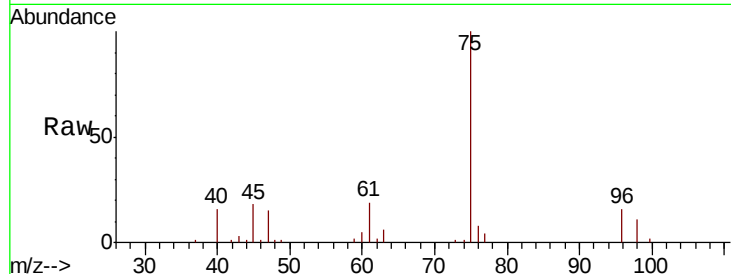




#26  
 2,2-Dichloropropane  
 Concen: 1.010 ug/l  
 RT: 6.14 min Scan# 479  
 Delta R.T. 0.10 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

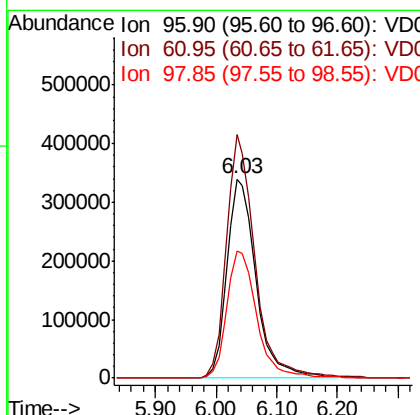
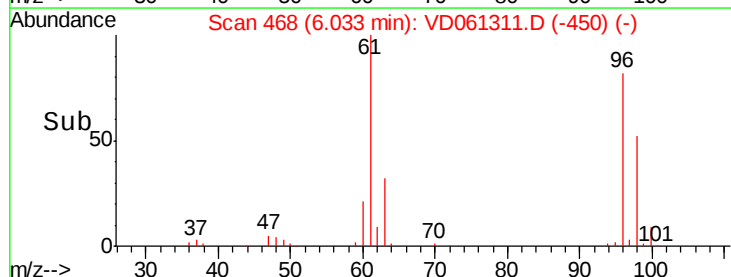
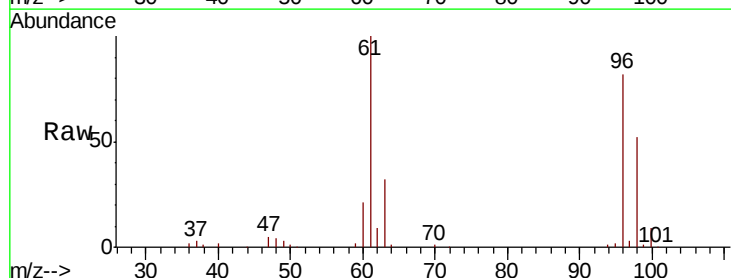
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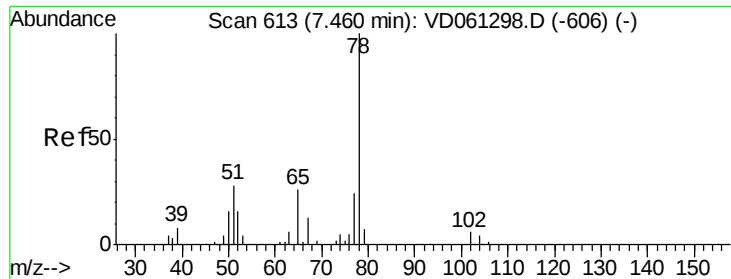
Tot Ion: 77 Resp: 7652  
 Ion Ratio Lower Upper  
 77 100  
 97 0.0 13.5 40.5#



#27  
 cis-1,2-Dichloroethene  
 Concen: 183.706 ug/l  
 RT: 6.03 min Scan# 468  
 Delta R.T. -0.02 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Tgt Ion: 96 Resp: 1133415  
 Ion Ratio Lower Upper  
 96 100  
 61 122.2 0.0 261.0  
 98 64.1 0.0 127.6





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

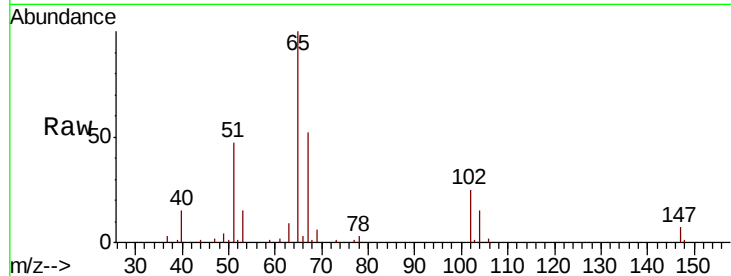
WP022SB441-190319-(23-25)

Tot Ion: 65 Resp: 184477

Ion Ratio Lower Upper

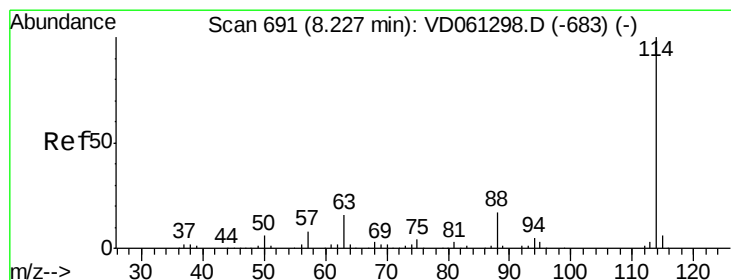
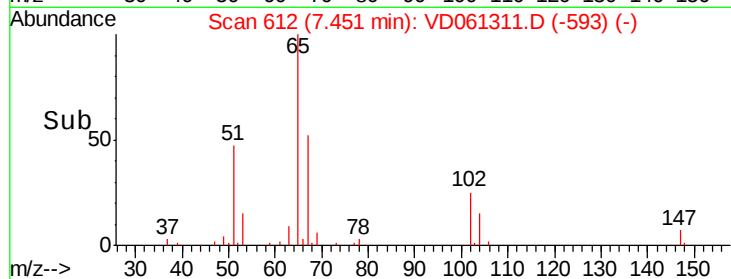
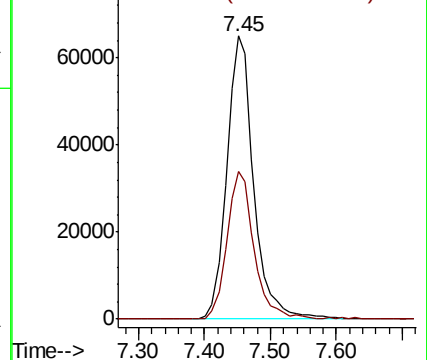
65 100

67 52.2 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

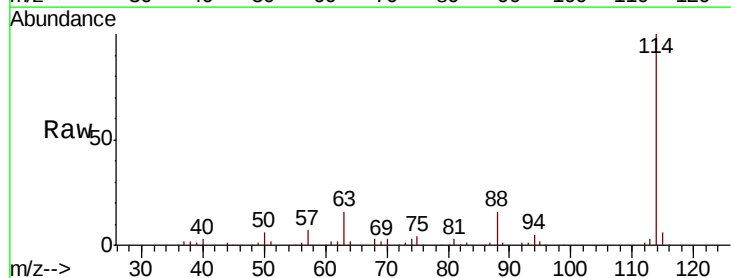
Tgt Ion: 114 Resp: 945825

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

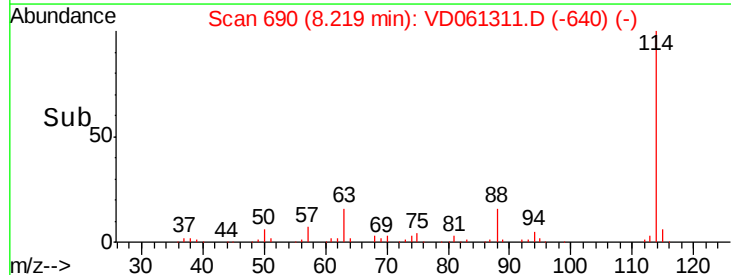
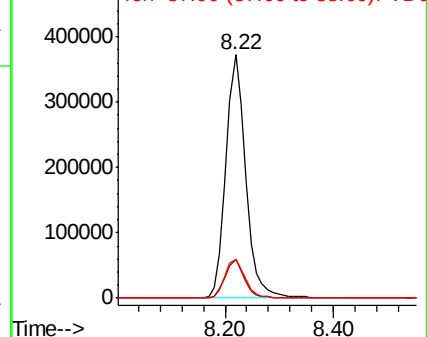
88 15.9 0.0 33.2

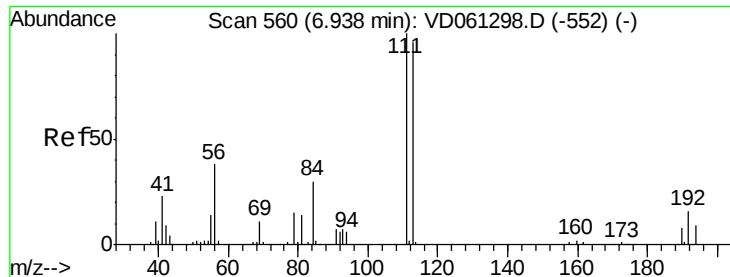


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)

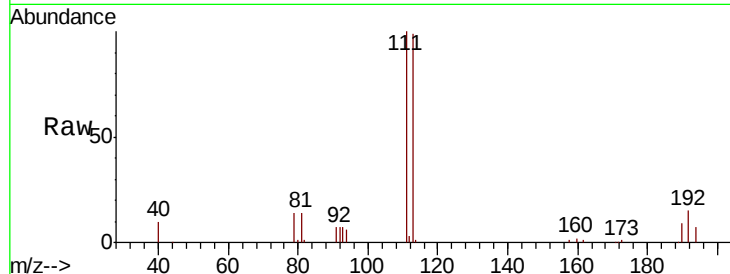
Tot Ion:113 Resp: 306198

Ion Ratio Lower Upper

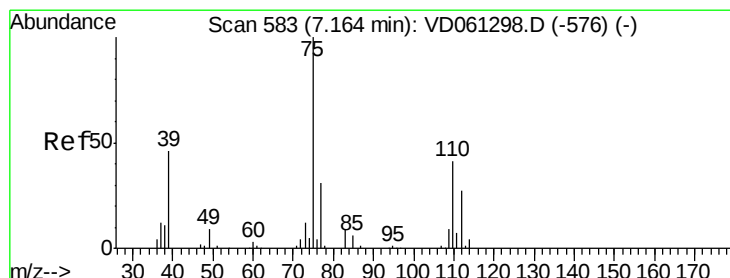
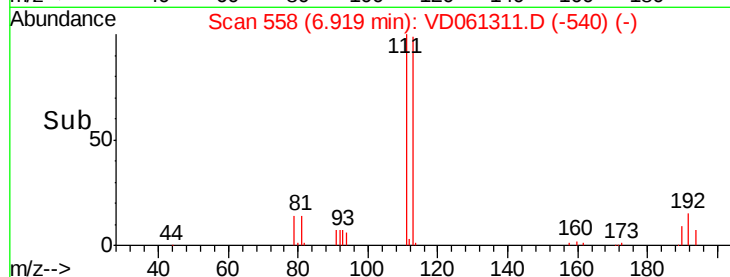
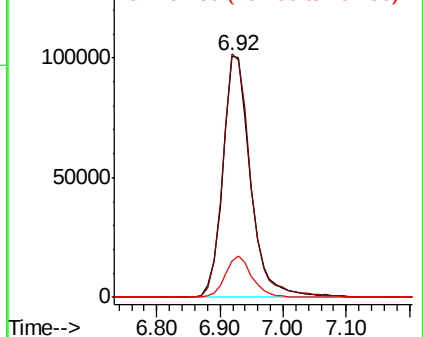
113 100

111 100.9 83.7 125.5

192 15.1 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

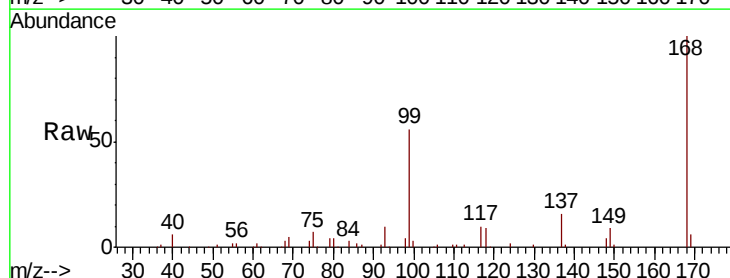
Tgt Ion: 75 Resp: 37447

Ion Ratio Lower Upper

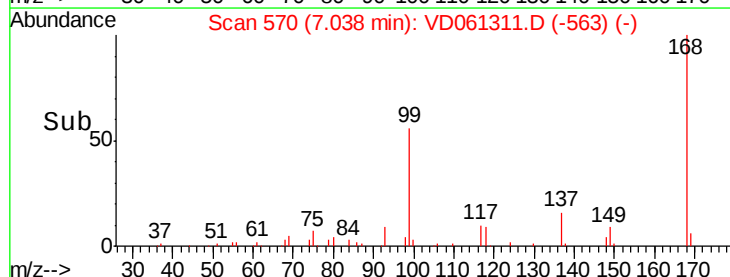
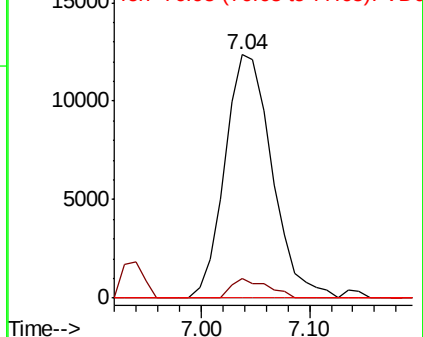
75 100

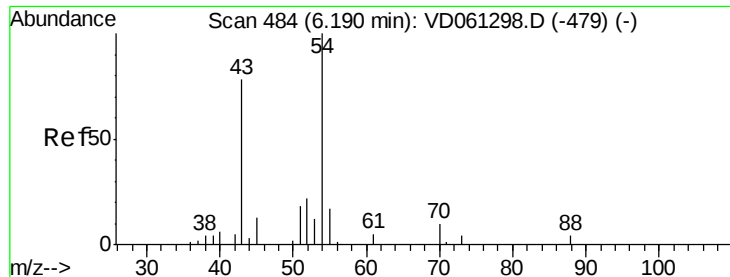
110 8.0 20.1 60.2#

77 0.0 24.3 36.5#



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

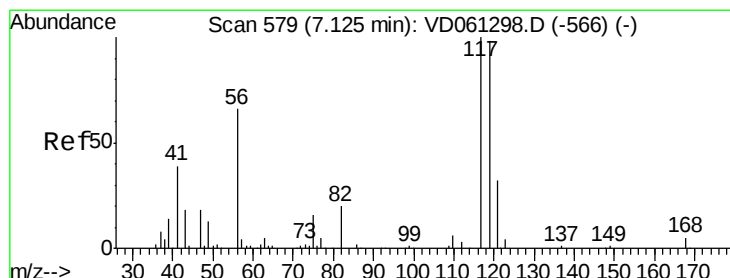
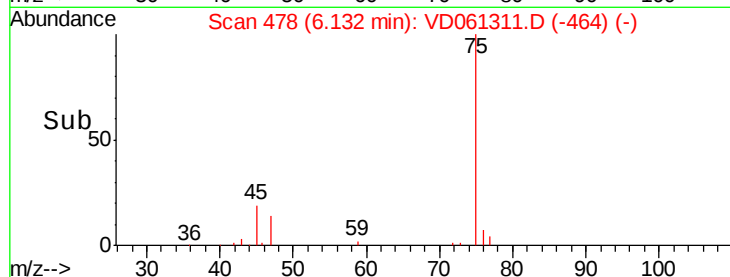
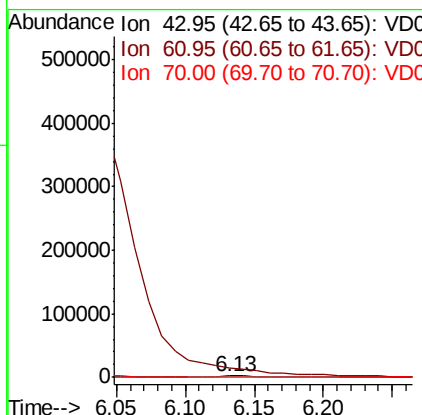
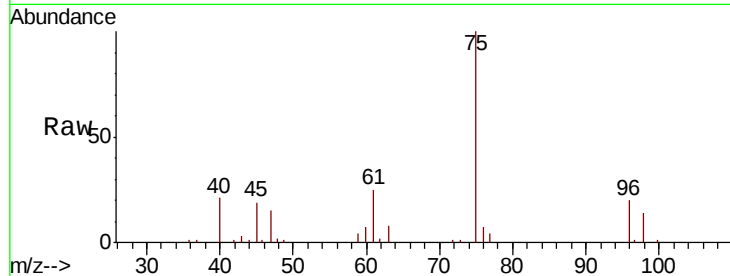




#37  
Ethyl Acetate  
Concen: 1.916 ug/l  
RT: 6.13 min Scan# 478  
Delta R.T. -0.06 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

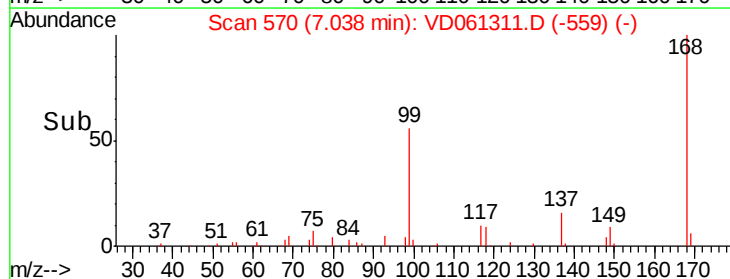
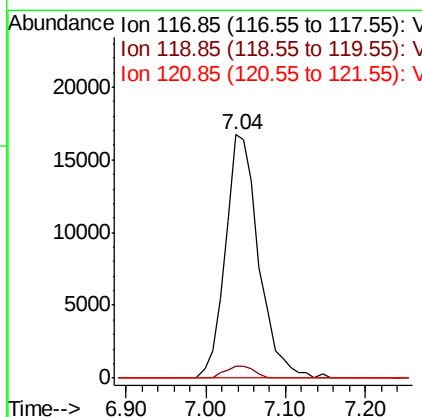
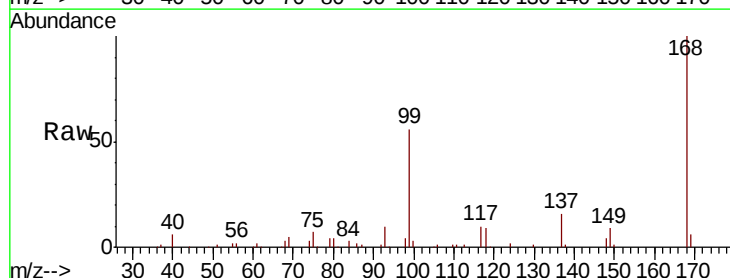
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)

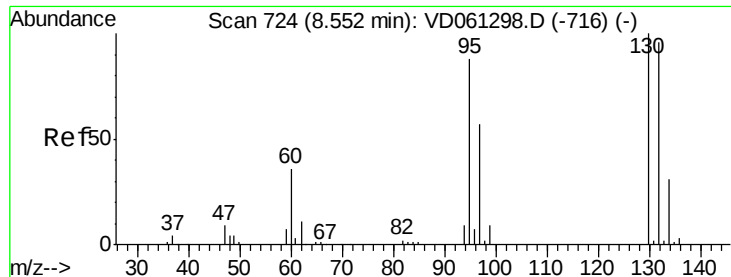
Tot Ion: 43 Resp: 6192  
Ion Ratio Lower Upper  
43 100  
61 773.3 12.6 19.0#  
70 0.0 8.2 12.4#



#38  
Carbon Tetrachloride  
Concen: 5.525 ug/l  
RT: 7.04 min Scan# 570  
Delta R.T. -0.09 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

Tgt Ion: 117 Resp: 48861  
Ion Ratio Lower Upper  
117 100  
119 4.7 78.4 117.6#  
121 0.0 25.1 37.7#





#44

Trichloroethene

Concen: 1.151 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

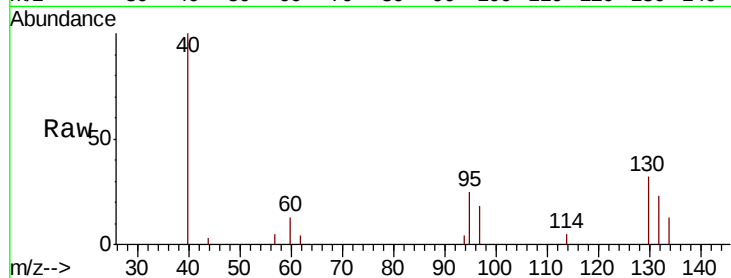
WP022SB441-190319-(23-25)

Tot Ion:130 Resp: 7997

Ion Ratio Lower Upper

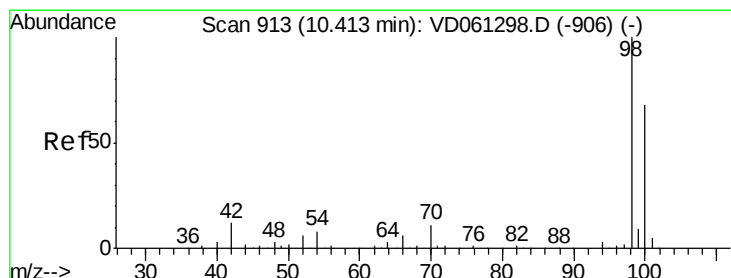
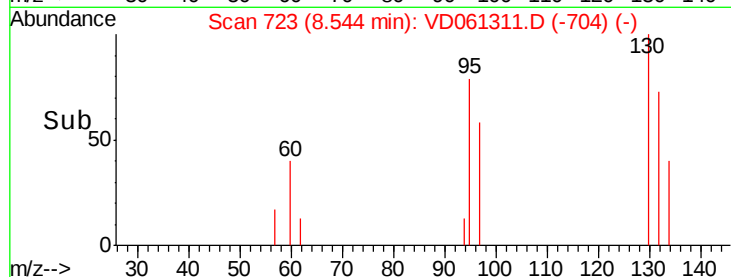
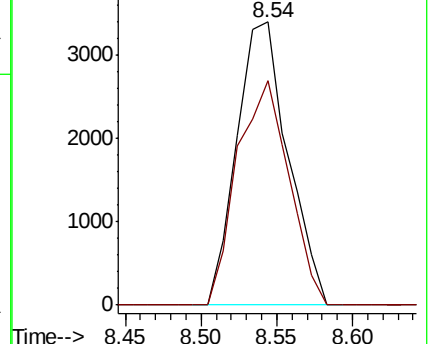
130 100

95 79.5 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061311.D

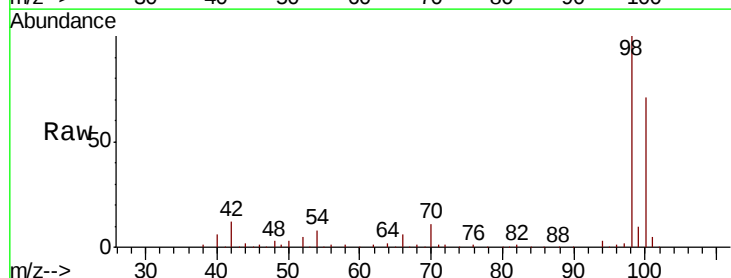
Acq: 25 Mar 2019 19:30

Tgt Ion: 98 Resp: 666892

Ion Ratio Lower Upper

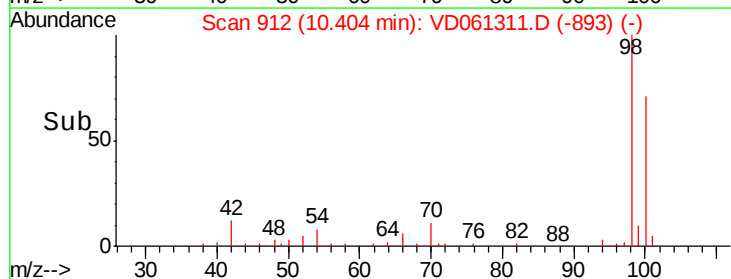
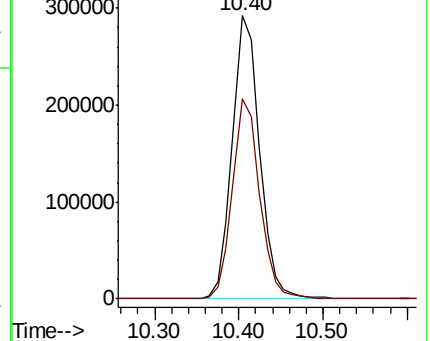
98 100

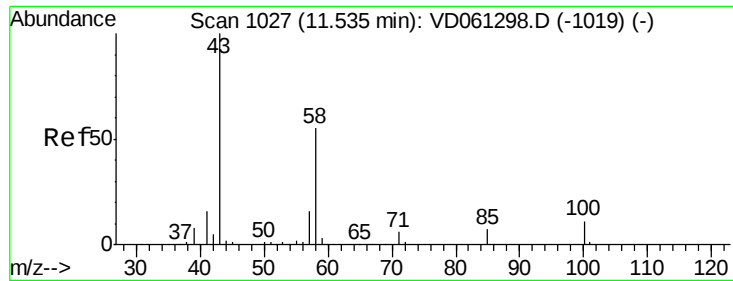
100 70.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

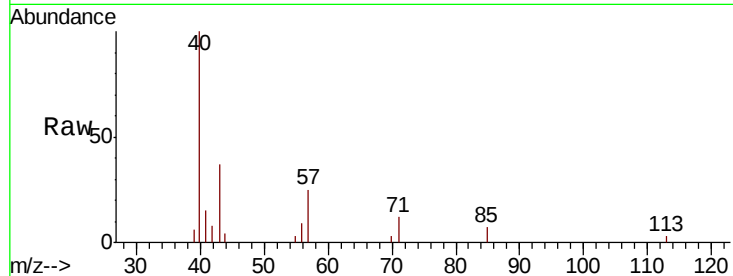




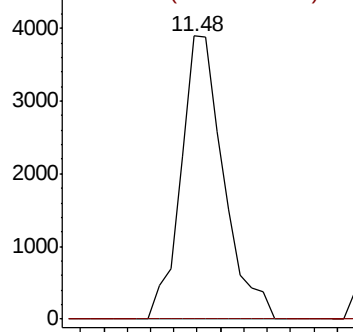
#59  
2-Hexanone  
Concen: 4.891 ug/l  
RT: 11.48 min Scan# 1021  
Delta R.T. -0.06 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)

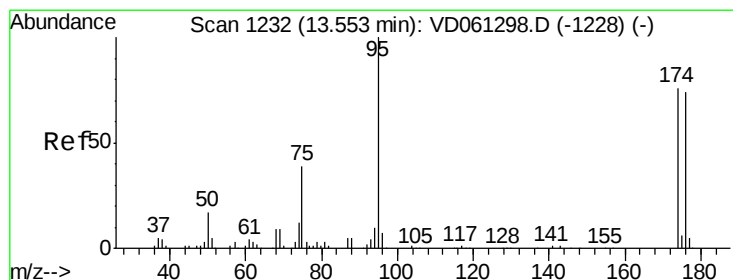
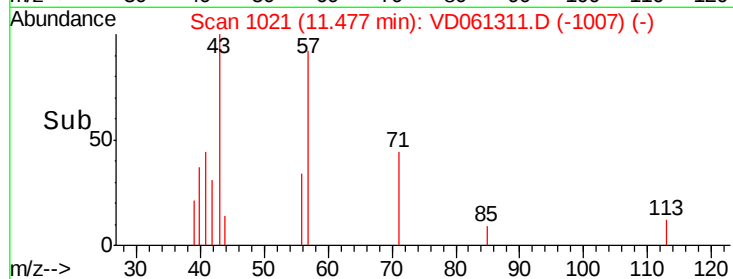
Tot Ion: 43 Resp: 9856  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.4 82.0#



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

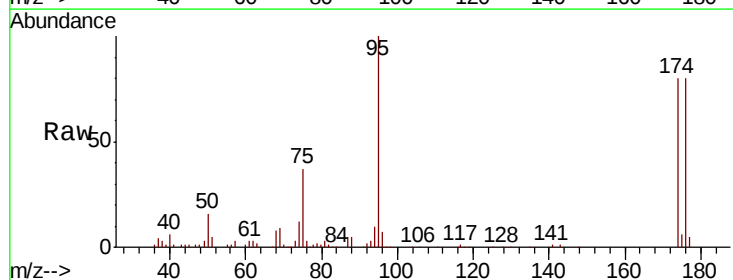


Time-->

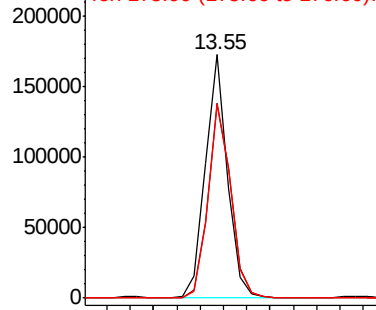


#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

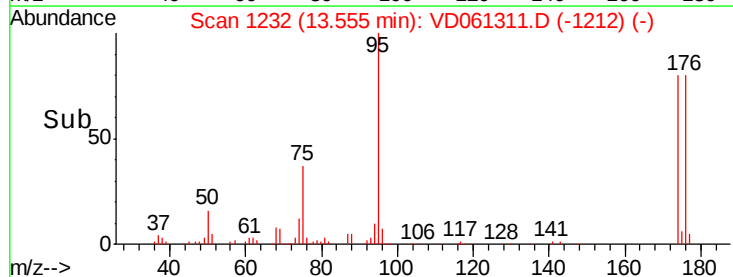
Tgt Ion: 95 Resp: 226283  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 151.8  
176 79.5 0.0 148.0

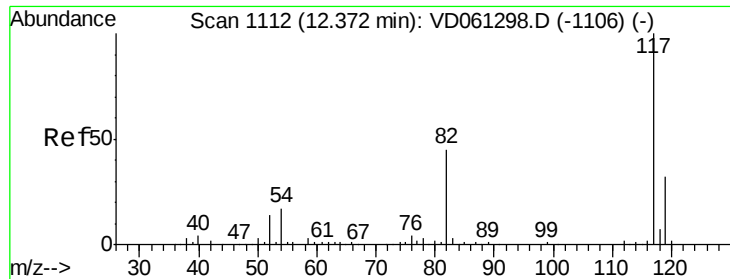


Abundance Ion 95.00 (94.70 to 95.70): VDC  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V



Time-->

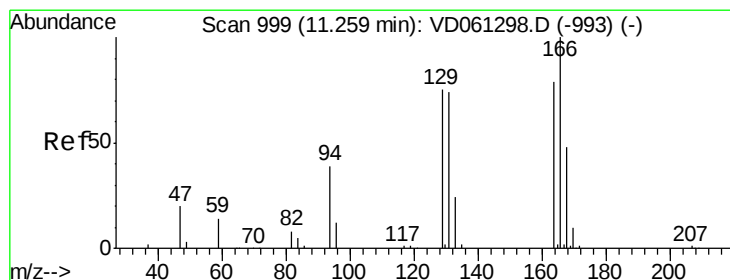
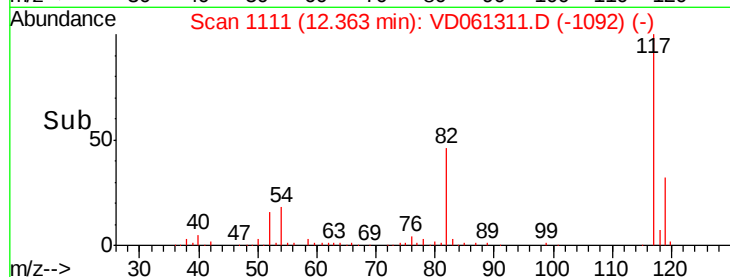
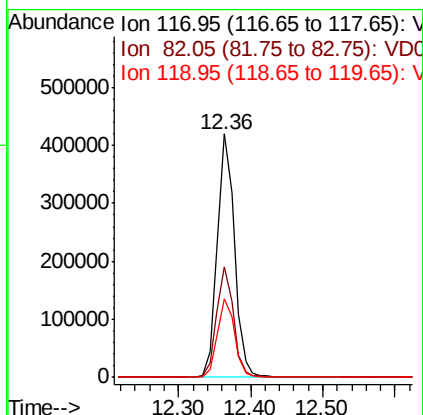
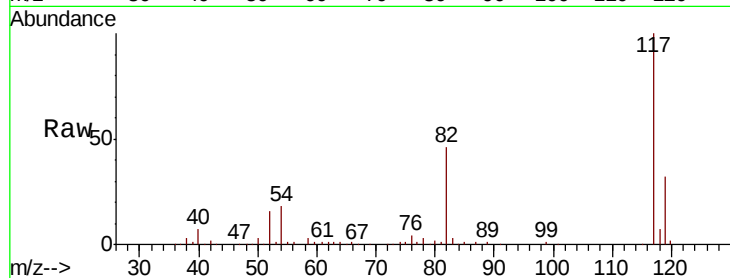




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

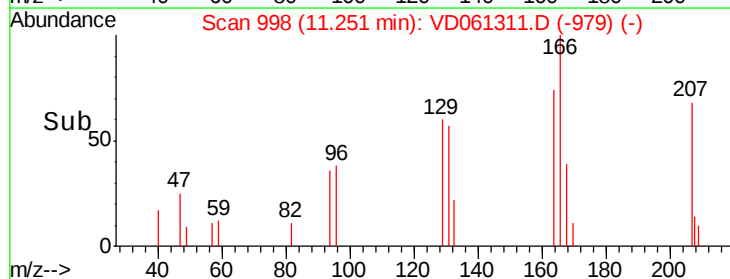
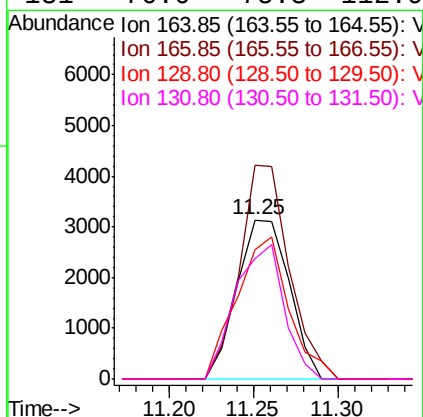
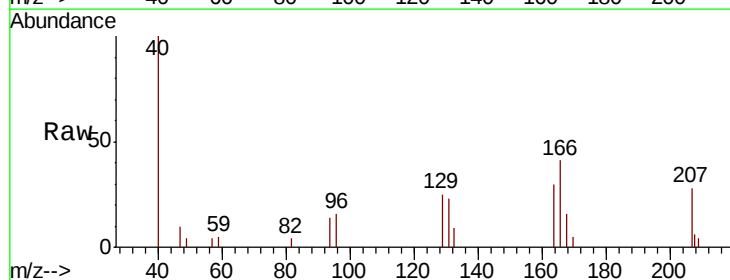
Instrument :  
MSVOA\_D  
ClientSampleId :  
WP022SB441-190319-(23-25)

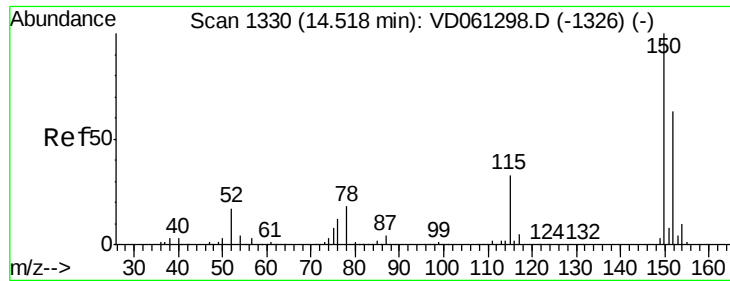
Tot Ion:117 Resp: 683605  
Ion Ratio Lower Upper  
117 100  
82 45.6 35.7 53.5  
119 32.1 25.9 38.9



#64  
Tetrachloroethene  
Concen: 1.433 ug/l  
RT: 11.25 min Scan# 998  
Delta R.T. -0.01 min  
Lab File: VD061311.D  
Acq: 25 Mar 2019 19:30

Tgt Ion:164 Resp: 6746  
Ion Ratio Lower Upper  
164 100  
166 134.3 101.6 152.4  
129 81.2 75.9 113.9  
131 76.0 75.3 112.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)

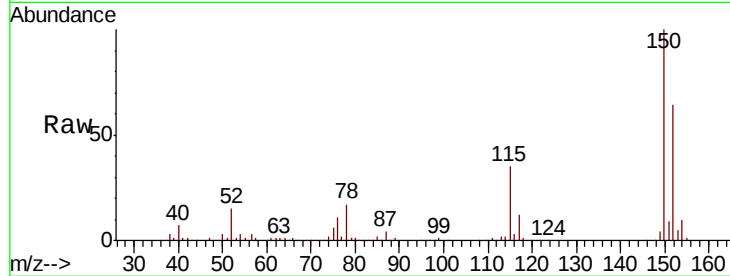
Tot Ion:152 Resp: 220061

Ion Ratio Lower Upper

152 100

115 55.2 29.2 87.6

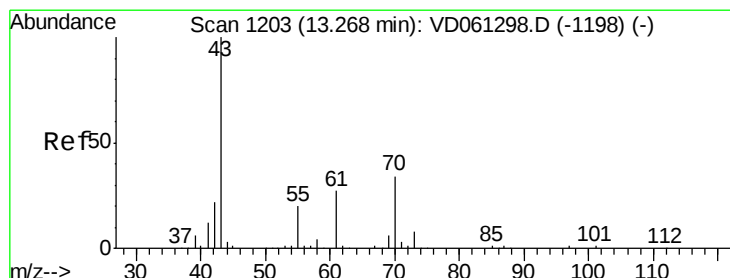
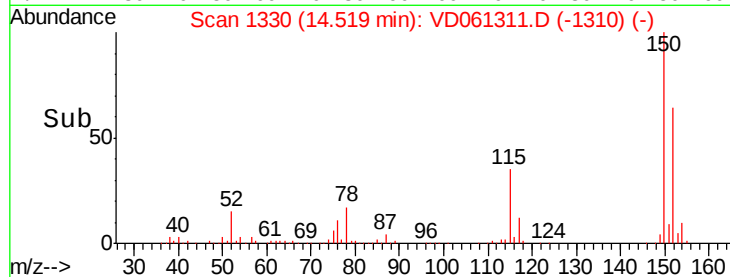
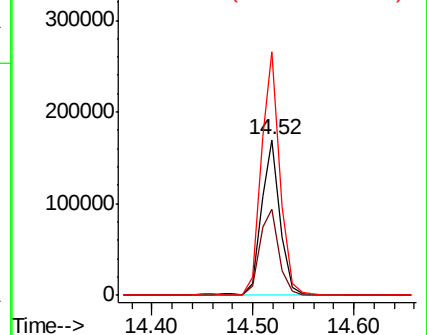
150 156.6 0.0 319.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.806 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Tgt Ion: 43 Resp: 6762

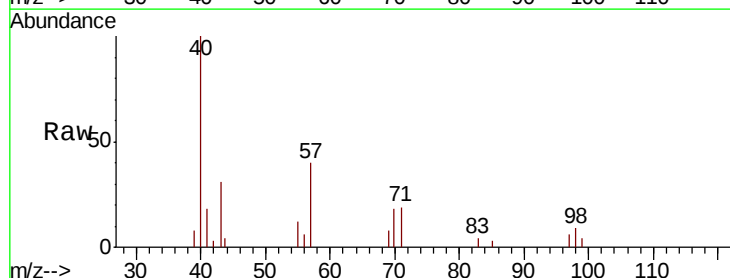
Ion Ratio Lower Upper

43 100

70 58.9 27.5 41.3#

55 40.7 15.7 23.5#

61 0.0 21.8 32.6#

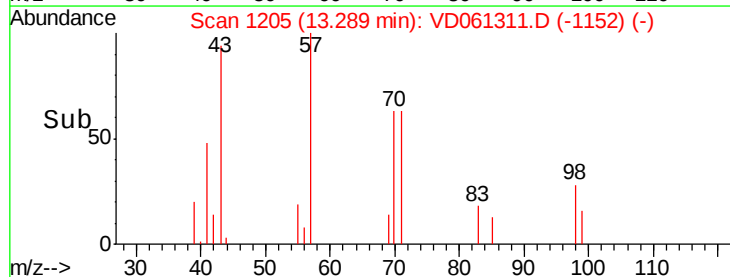
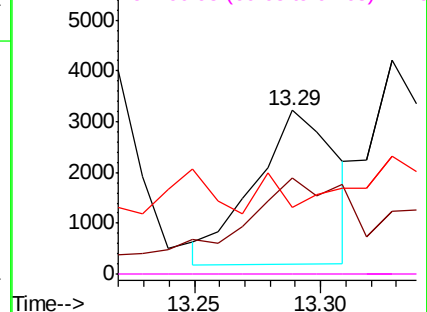


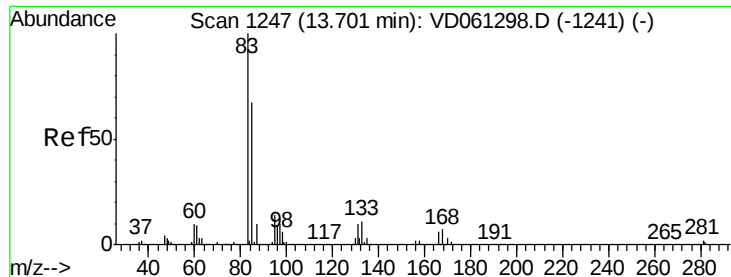
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 1.248 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

Instrument :

MSVOA\_D

ClientSampleId :

WP022SB441-190319-(23-25)

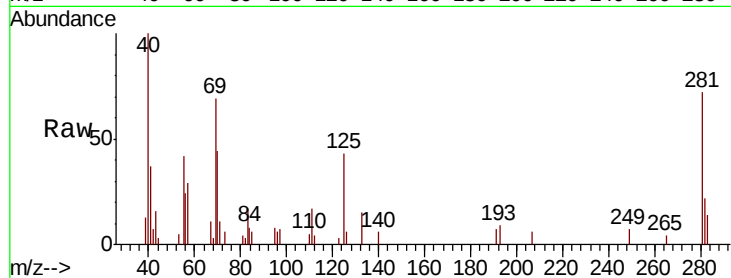
Tot Ion: 83 Resp: 3463

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

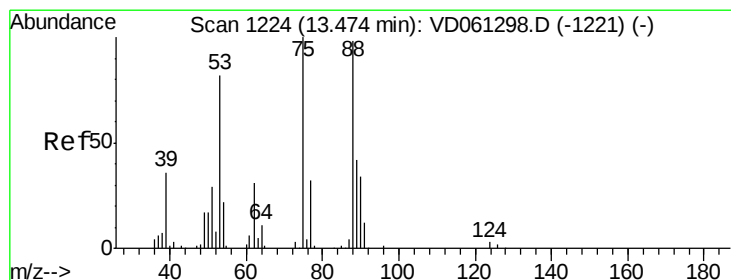
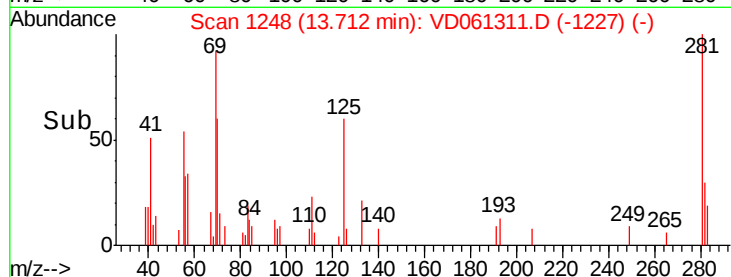
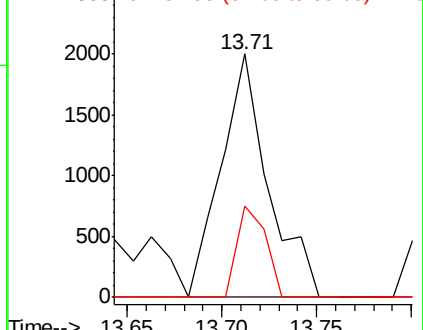
85 37.3 33.4 100.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 93.961 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061311.D

Acq: 25 Mar 2019 19:30

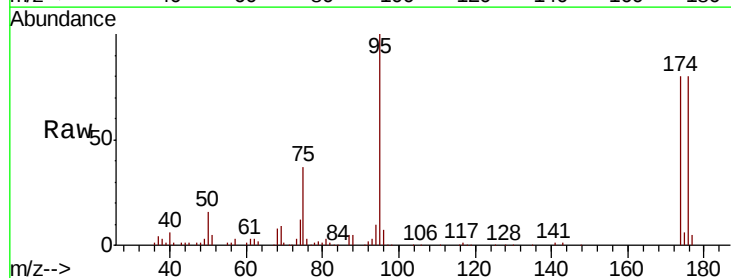
Tgt Ion: 75 Resp: 81152

Ion Ratio Lower Upper

75 100

53 0.0 65.3 97.9#

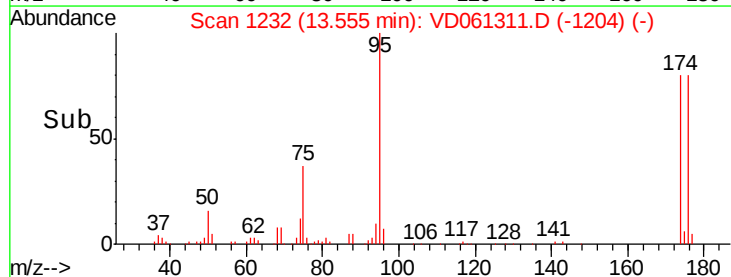
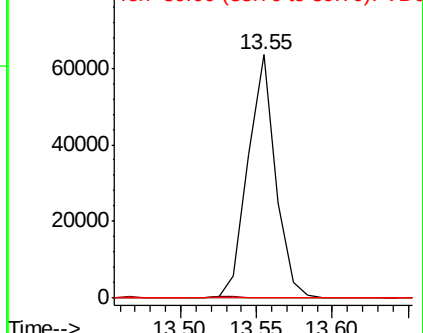
89 0.0 33.8 50.6#

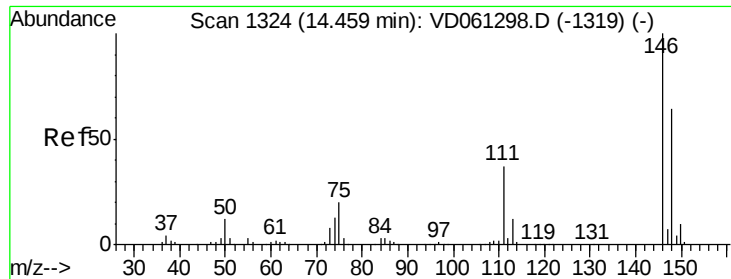


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

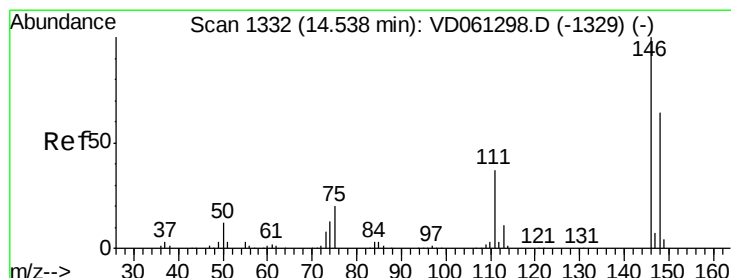
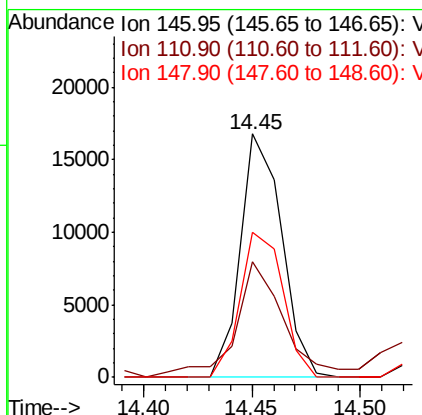
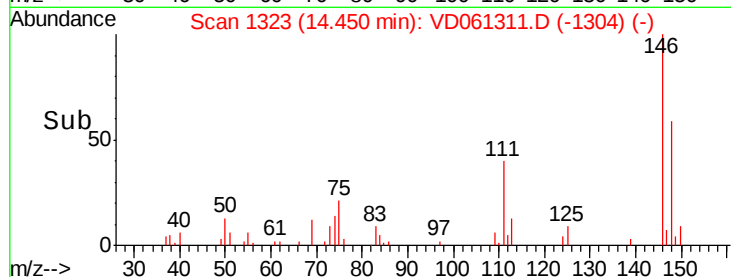
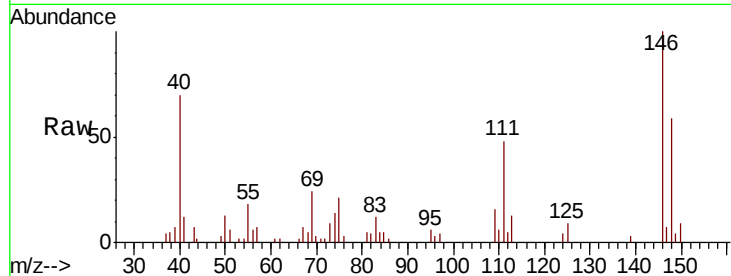




#87  
 1,3-Dichlorobenzene  
 Concen: 3.142 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

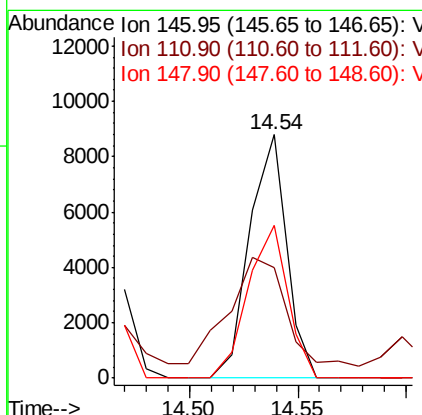
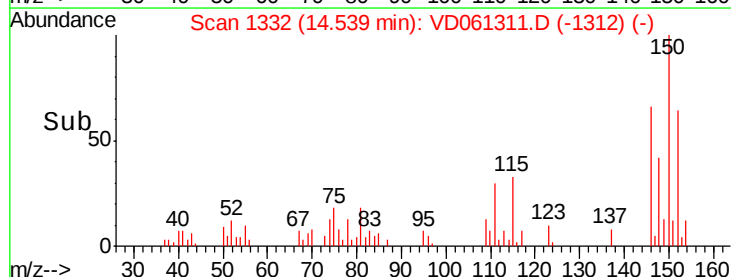
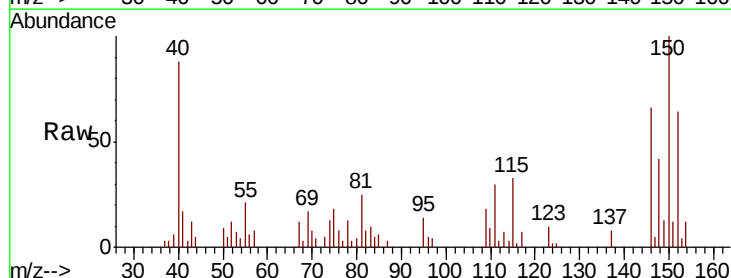
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)

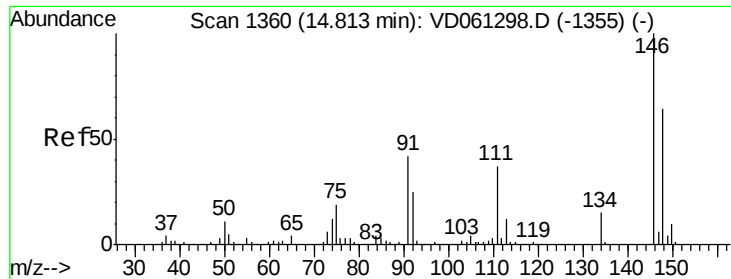
Tot Ion:146 Resp: 22265  
 Ion Ratio Lower Upper  
 146 100  
 111 47.7 18.4 55.0  
 148 59.5 32.0 96.2



#88  
 1,4-Dichlorobenzene  
 Concen: 1.513 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Tgt Ion:146 Resp: 10389  
 Ion Ratio Lower Upper  
 146 100  
 111 45.5 18.6 55.6  
 148 63.0 31.9 95.5

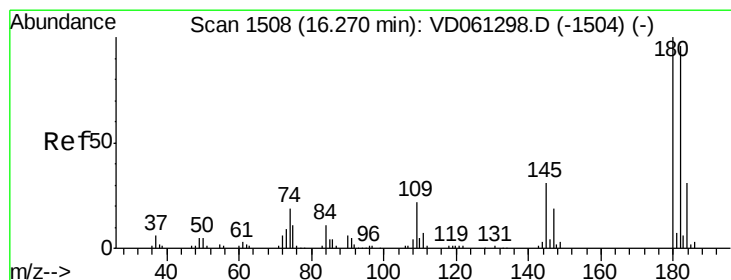
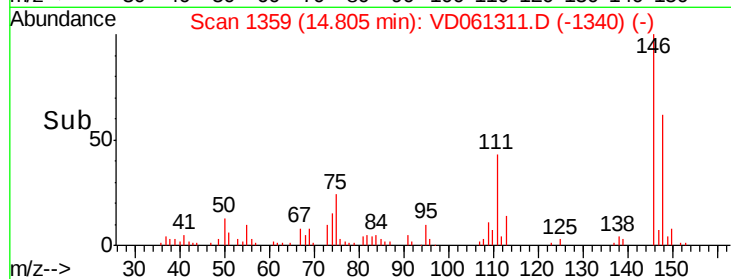
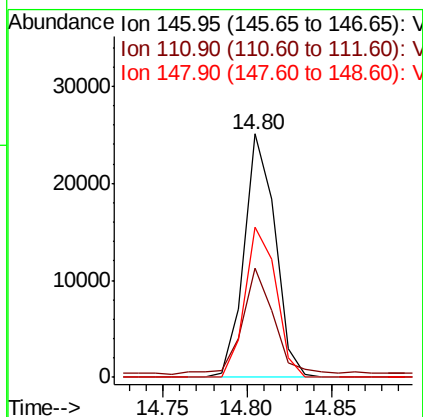
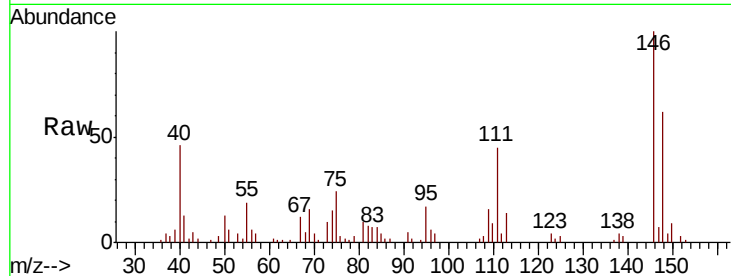




#91  
 1,2-Dichlorobenzene  
 Concen: 5.678 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. -0.01 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WP022SB441-190319-(23-25)

Tot Ion:146 Resp: 32108  
 Ion Ratio Lower Upper  
 146 100  
 111 44.9 18.3 54.8  
 148 61.6 31.9 95.7



#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.082 ug/l  
 RT: 16.27 min Scan# 1508  
 Delta R.T. 0.00 min  
 Lab File: VD061311.D  
 Acq: 25 Mar 2019 19:30

Tgt Ion:180 Resp: 1320  
 Ion Ratio Lower Upper  
 180 100  
 182 59.9 48.0 144.2  
 145 0.0 15.4 46.4#

