

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007219.D
 Acq On : 05 Dec 2018 06:59
 Operator : SY/AP
 Sample : J6210-05
 Misc : 6.31G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(4.5)

Quant Time: Dec 05 08:04:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

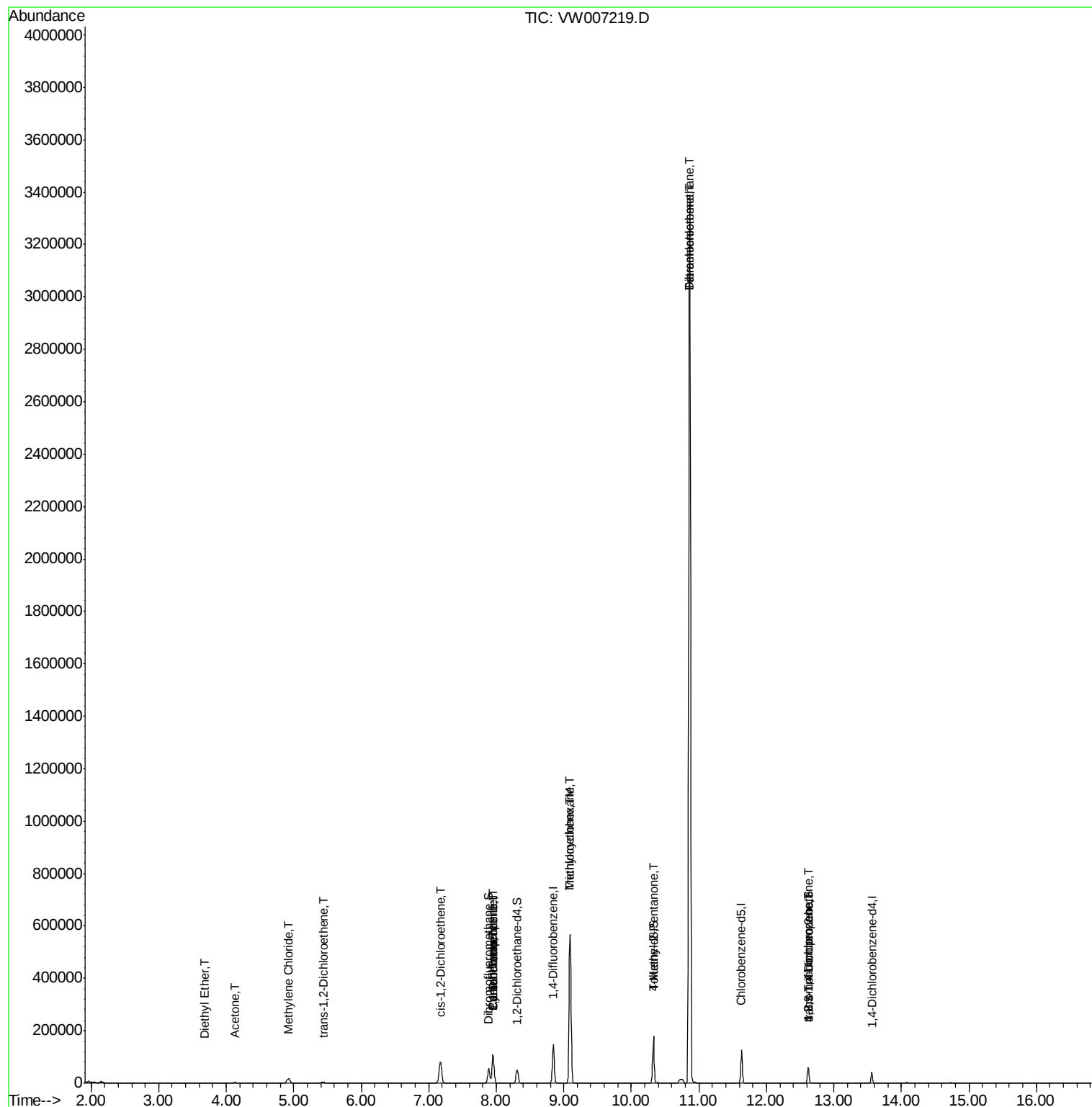
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	132367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10787	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	41025	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
35) Dibromofluoromethane	7.89	113	40301	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
50) Toluene-d8	10.33	98	124621	37.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.66%	
62) 4-Bromofluorobenzene	12.62	95	19271	15.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	30.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	399	1.058	ug/l	89
11) Tert butyl alcohol	5.14	59	467	Below Cal	#	75
16) Acetone	4.13	43	4560	25.852	ug/l	96
20) Methylene Chloride	4.92	84	14581	12.504	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	2314	2.705	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	50352	54.898	ug/l	90
31) Cyclohexane	7.95	56	1543	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5914	4.592	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8310	6.321	ug/l #	17
39) Methylcyclohexane	9.09	83	2582	1.498	ug/l #	1
44) Trichloroethene	9.09	130	207812	209.332	ug/l	98
51) 4-Methyl-2-Pentanone	10.33	43	518	1.162	ug/l #	1
60) Dibromochloromethane	10.87	129	753265	1008.923	ug/l #	10
64) Tetrachloroethene	10.87	164	764828	1495.319	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	9388	57.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9388	242.257	ug/l #	13

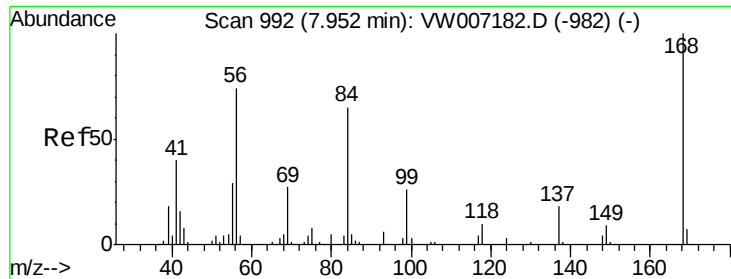
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120418\
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Quant Time: Dec 05 08:04:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

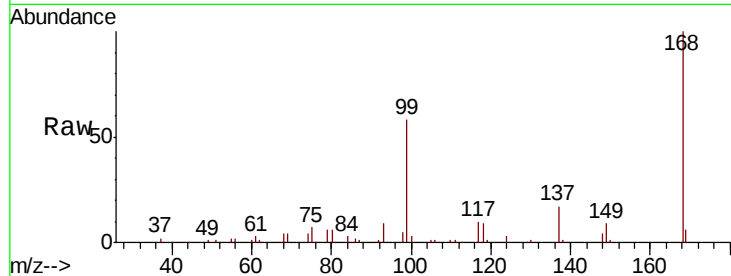
WC-9(4.5)

Tot Ion:168 Resp: 80028

Ion Ratio Lower Upper

168 100

99 57.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

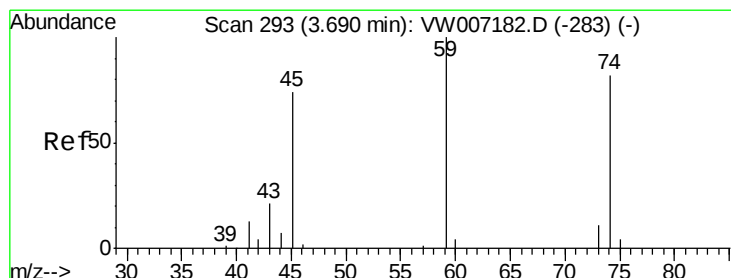
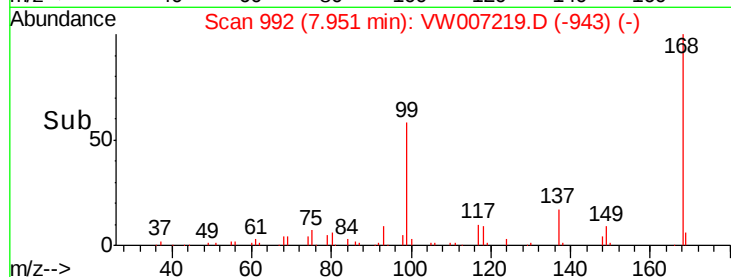
10000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 1.058 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW007219.D

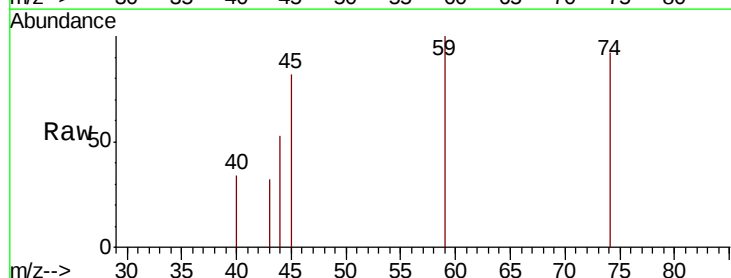
Acq: 05 Dec 2018 06:59

Tgt Ion: 74 Resp: 399

Ion Ratio Lower Upper

74 100

45 84.0 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

8.69

200

150

100

50

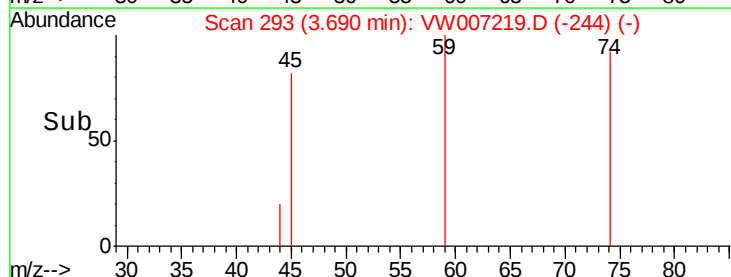
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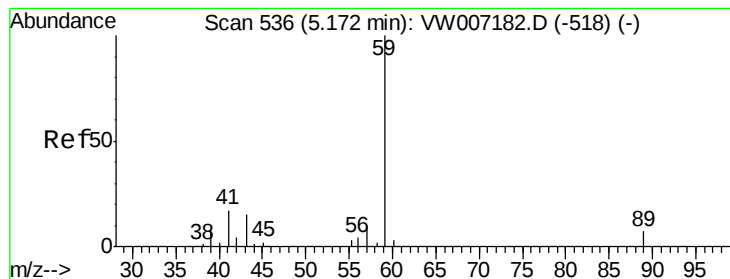
Time-->

3.65

3.70

3.75



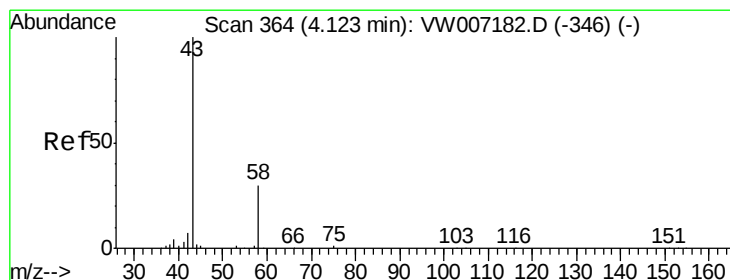
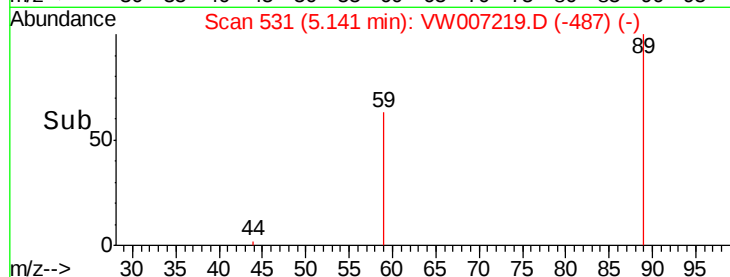
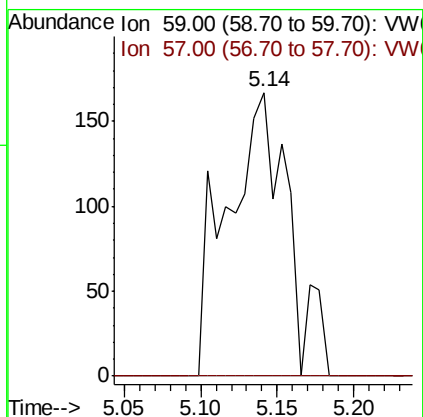
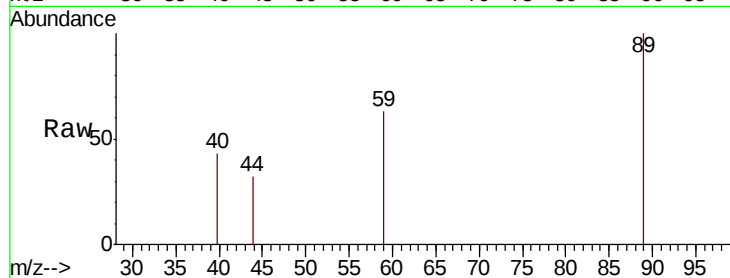


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.14 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(4.5)

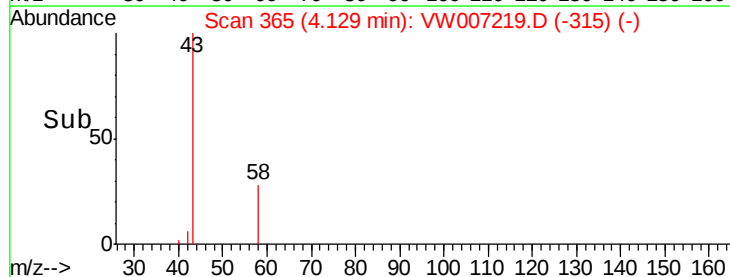
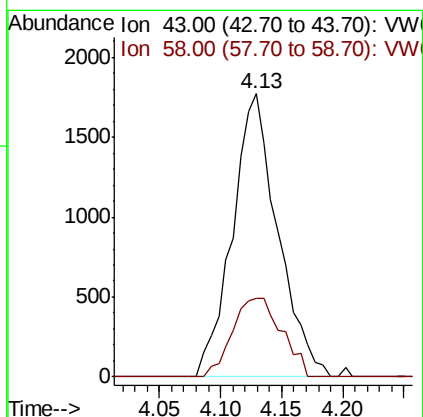
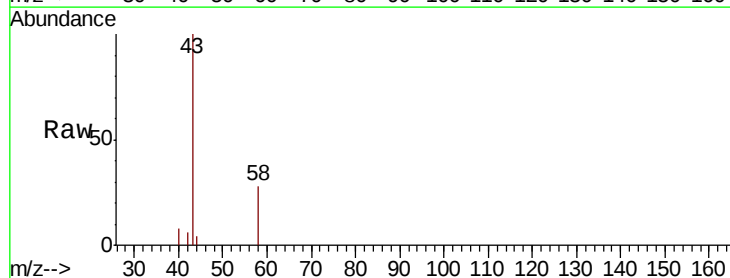
Tot Ion: 59 Resp: 467
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

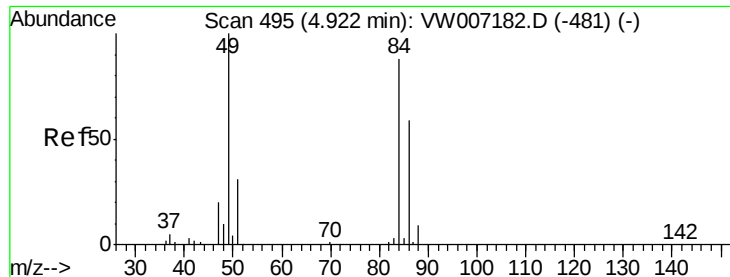


#16

Acetone
 Concen: 25.852 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

Tgt Ion: 43 Resp: 4560
 Ion Ratio Lower Upper
 43 100
 58 27.9 23.8 35.8



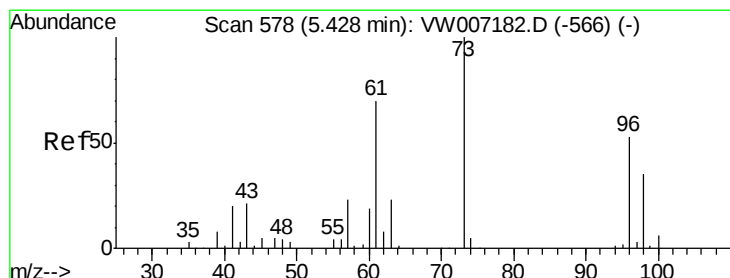
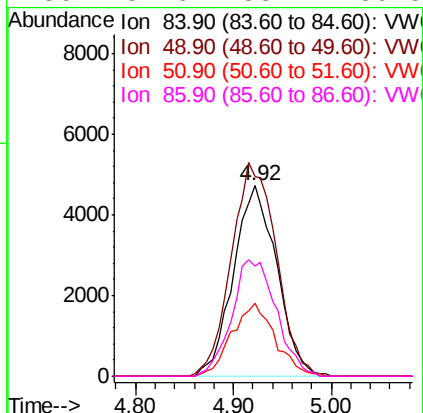
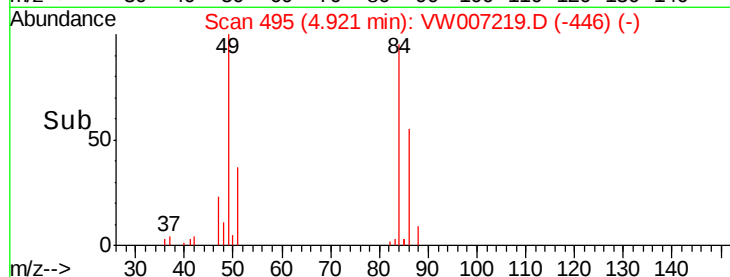
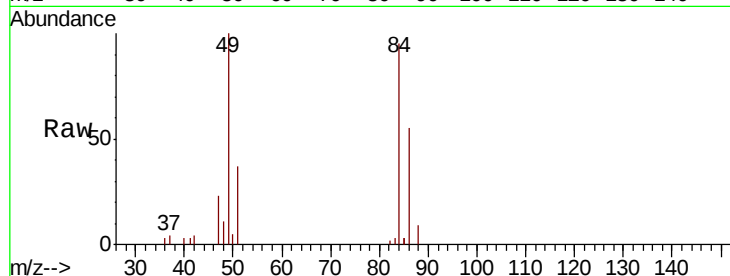


#20
Methvlene Chloride
Concen: 12.504 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007219.D
Acq: 05 Dec 2018 06:59

Instrument :
MSVOA_W
ClientSampled :
WC-9(4.5)

Tot Ion: 84 Resp: 14581

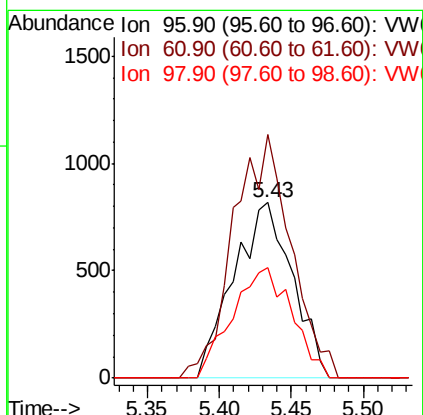
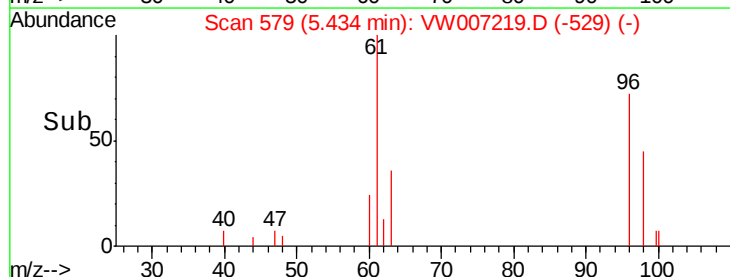
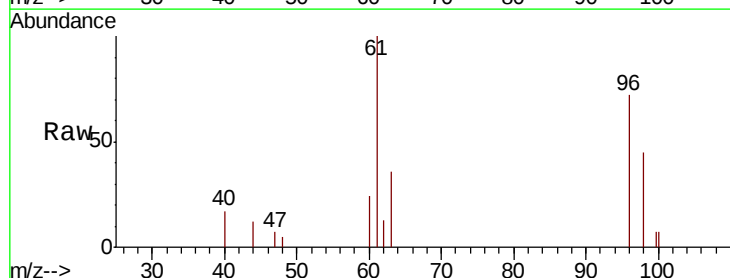
Ion	Ratio	Lower	Upper
84	100		
49	105.1	90.6	135.8
51	38.4	27.6	41.4
86	57.6	53.7	80.5

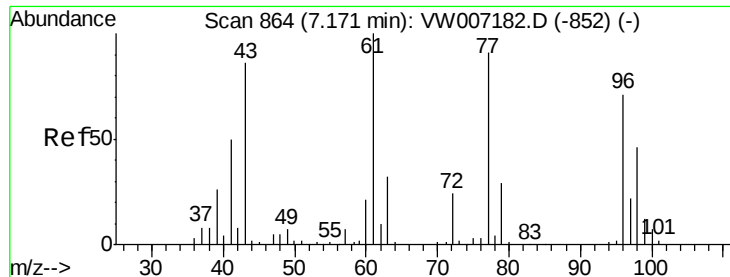


#21
trans-1,2-Dichloroethene
Concen: 2.705 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007219.D
Acq: 05 Dec 2018 06:59

Tgt Ion: 96 Resp: 2314

Ion	Ratio	Lower	Upper
96	100		
61	139.0	105.5	158.3
98	63.0	52.6	79.0

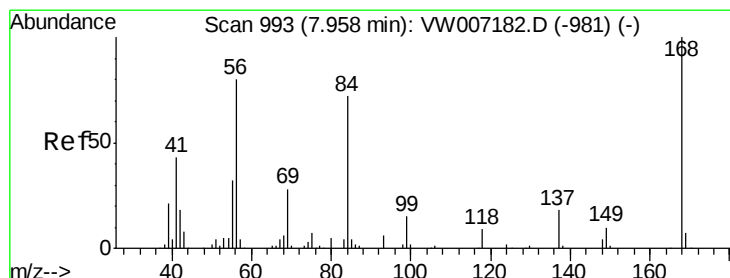
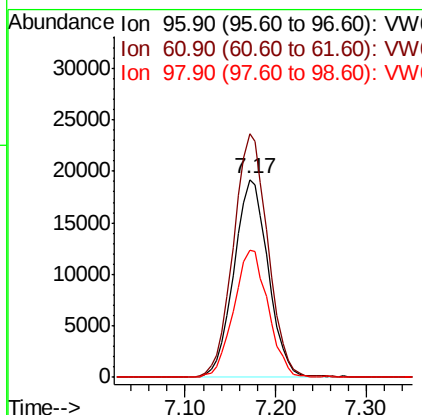
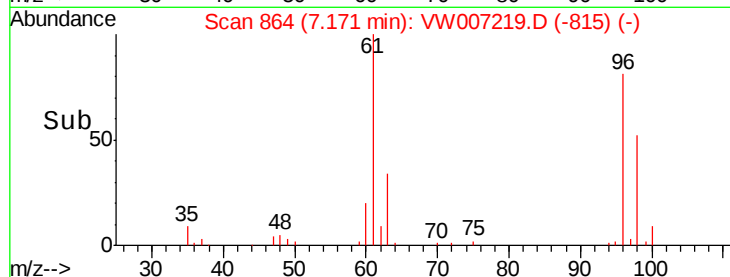
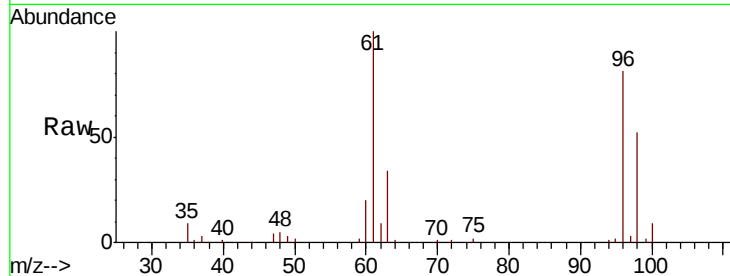




#27
 cis-1,2-Dichloroethene
 Concen: 54.898 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

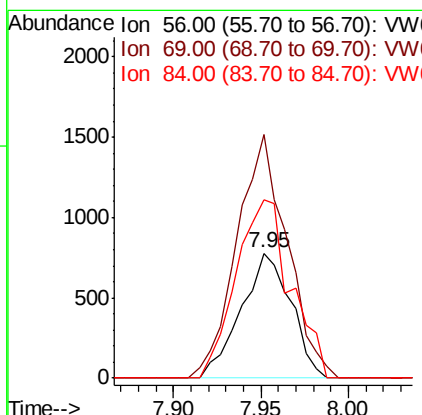
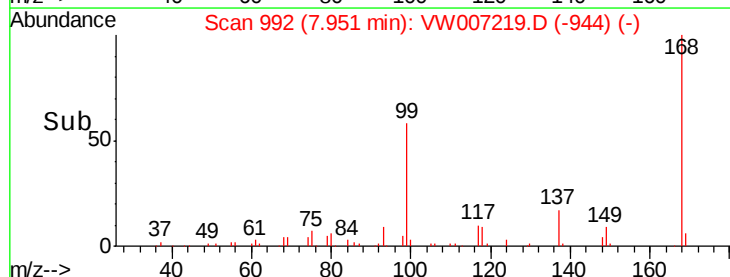
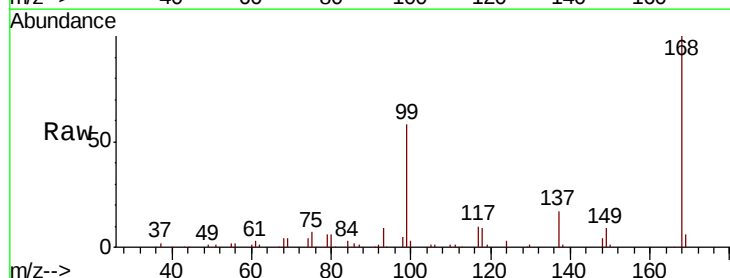
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(4.5)

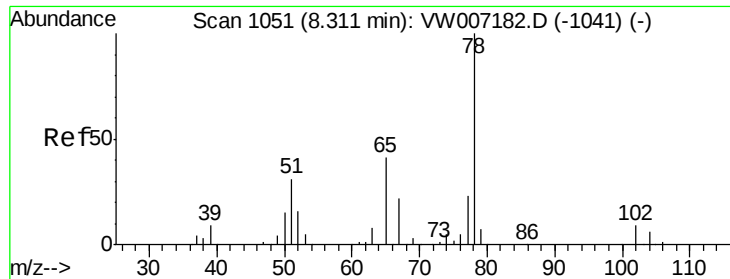
Tot Ion: 96 Resp: 50352
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 282.4
 98 64.3 0.0 129.8



#31
 Cyclohexane
 Concen: 1.044 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

Tgt Ion: 56 Resp: 1543
 Ion Ratio Lower Upper
 56 100
 69 195.1 28.2 42.2#
 84 143.0 72.1 108.1#

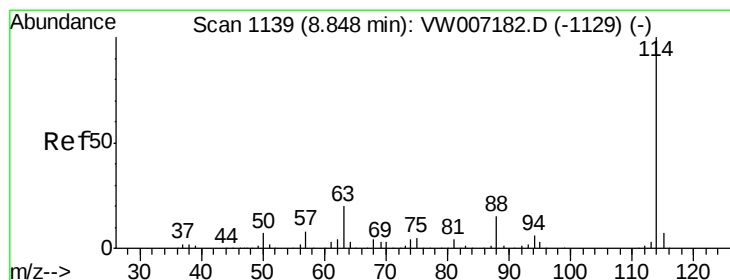
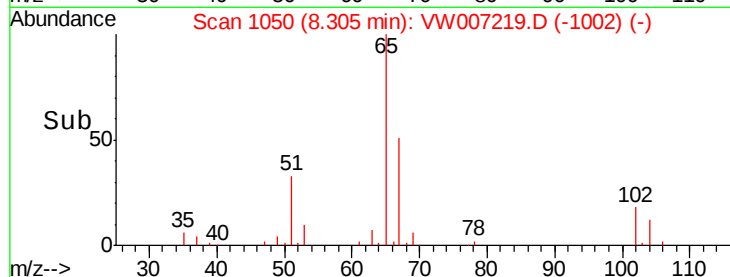
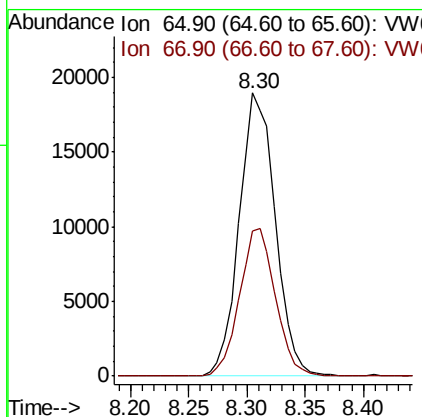
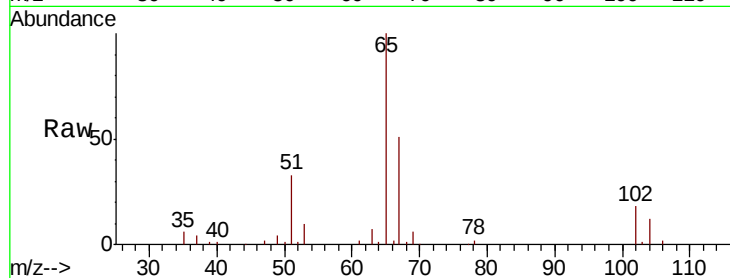




#33
 1,2-Dichloroethane-d4
 Concen: 55.060 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

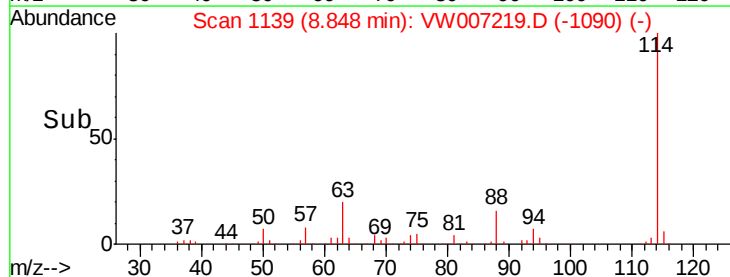
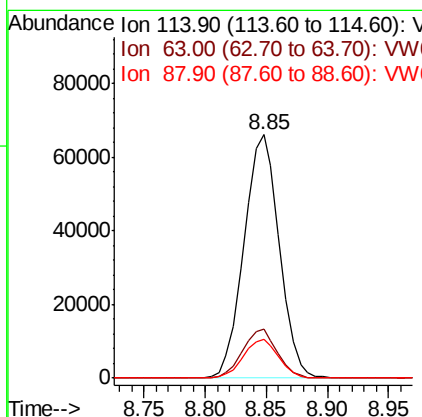
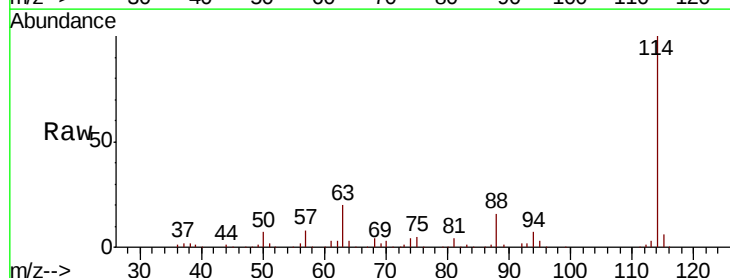
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-9(4.5)

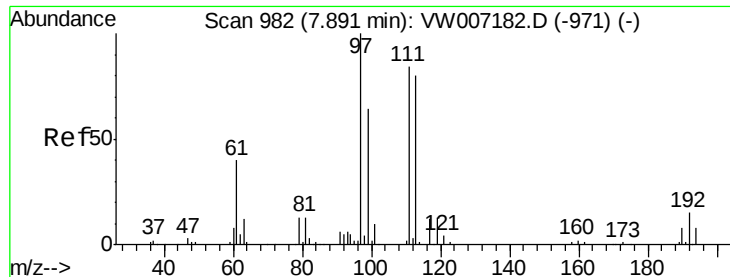
Tot Ion: 65 Resp: 41025
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007219.D
 Acq: 05 Dec 2018 06:59

Tgt Ion: 114 Resp: 132367
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.172 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

WC-9(4.5)

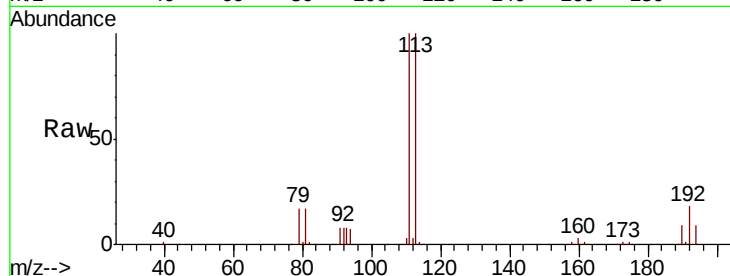
Tot Ion:113 Resp: 40301

Ion Ratio Lower Upper

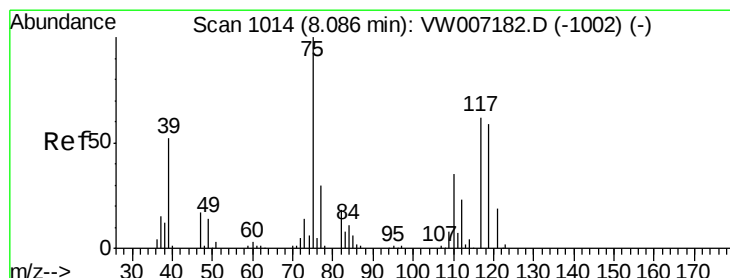
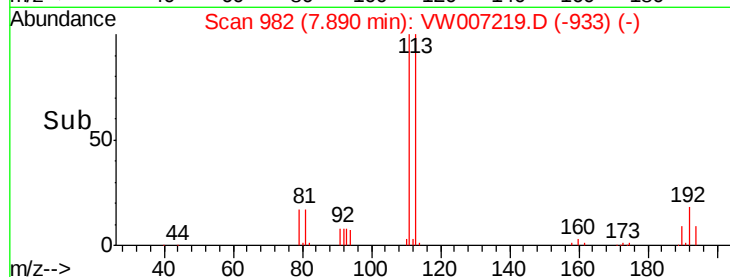
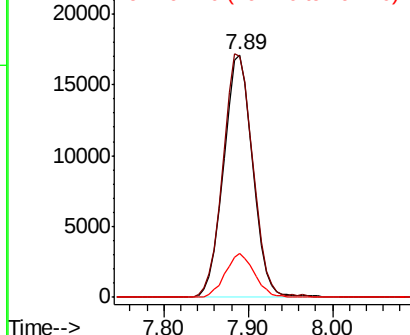
113 100

111 103.1 82.2 123.4

192 17.9 14.4 21.6



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: 4.592 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

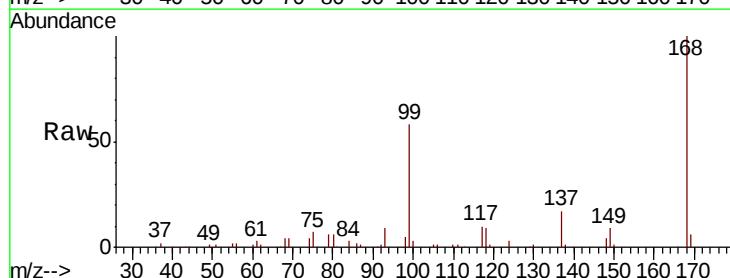
Tgt Ion: 75 Resp: 5914

Ion Ratio Lower Upper

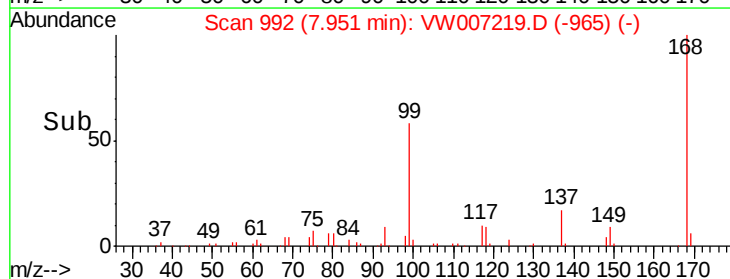
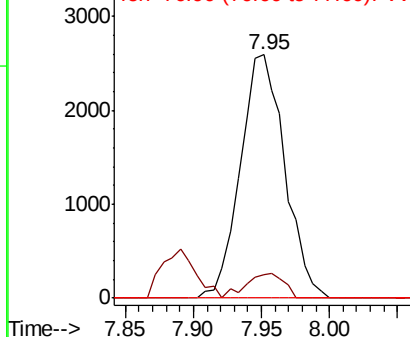
75 100

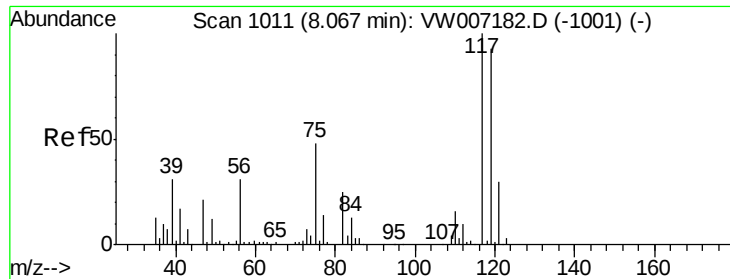
110 8.7 18.3 54.9#

77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

WC-9(4.5)

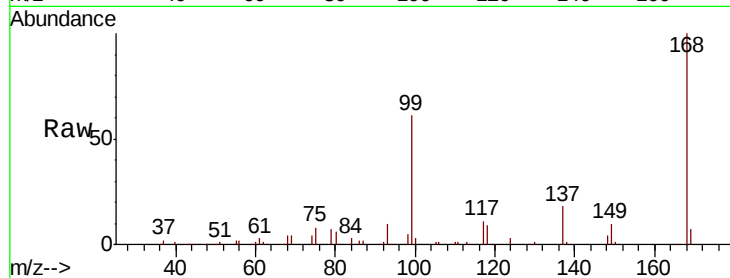
Tot Ion:117 Resp: 8310

Ion Ratio Lower Upper

117 100

119 4.3 74.1 111.1#

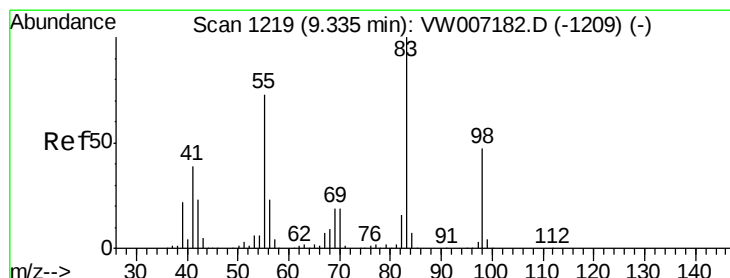
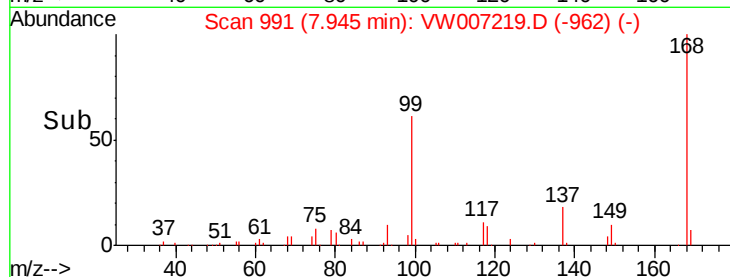
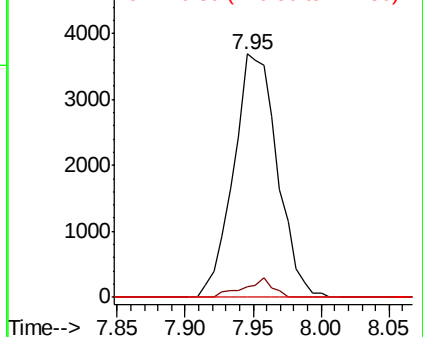
121 0.0 23.9 35.9#



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: 1.498 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.24 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

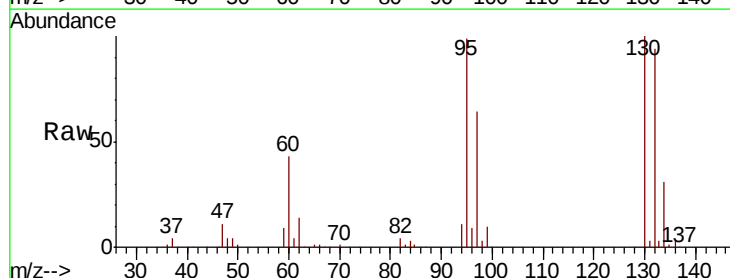
Tgt Ion: 83 Resp: 2582

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

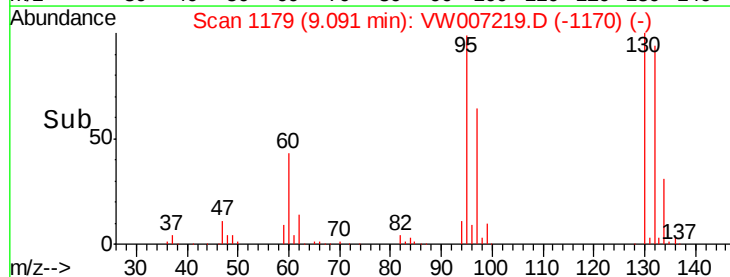
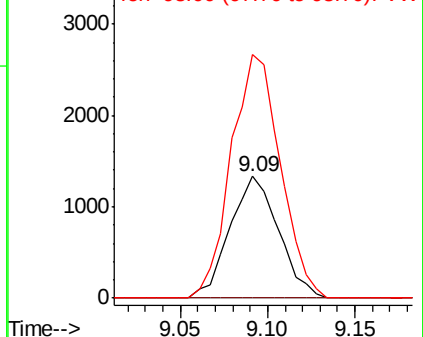
98 200.5 37.3 55.9#

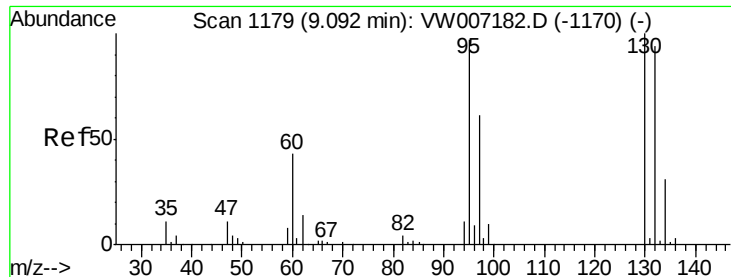


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#44

Trichloroethene

Concen: 209.332 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

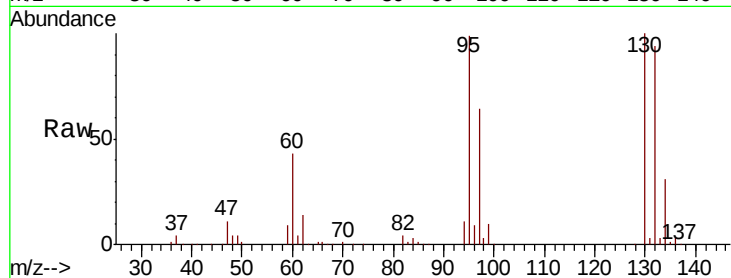
WC-9(4.5)

Tot Ion:130 Resp: 207812

Ion Ratio Lower Upper

130 100

95 98.6 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

120000

100000

80000

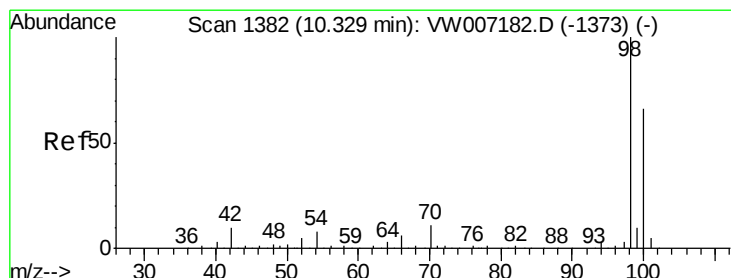
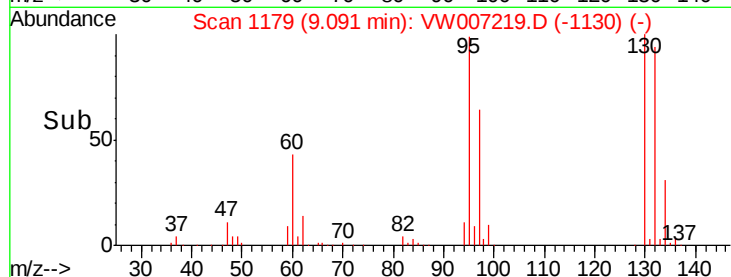
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 37.327 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007219.D

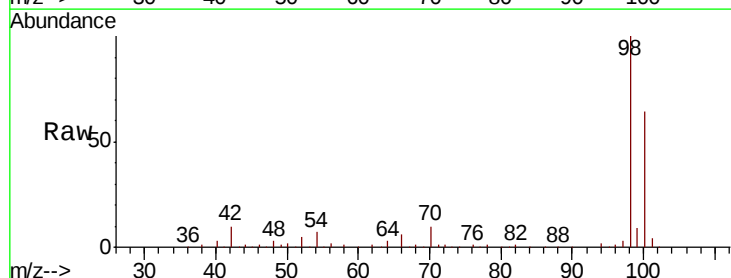
Acq: 05 Dec 2018 06:59

Tgt Ion: 98 Resp: 124621

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

80000

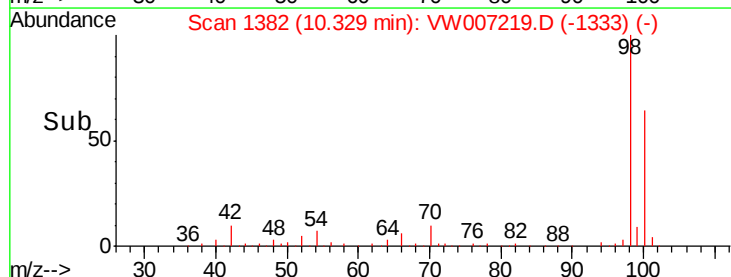
60000

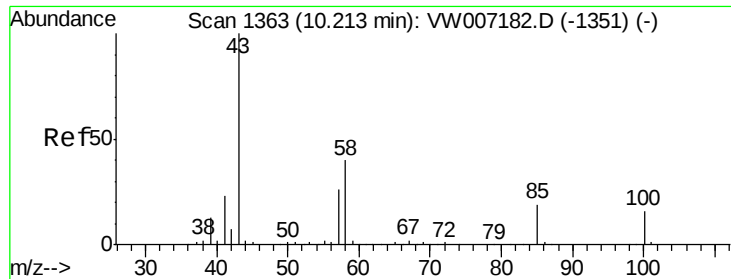
40000

20000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.162 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

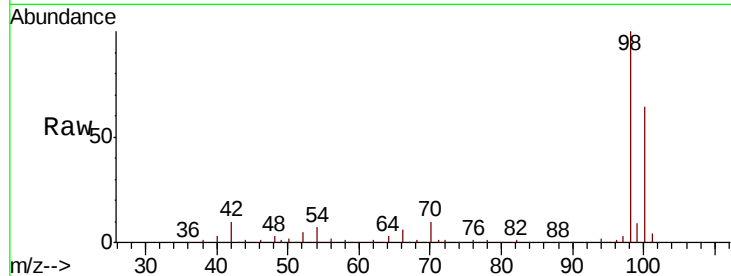
WC-9(4.5)

Tot Ion: 43 Resp: 518

Ion Ratio Lower Upper

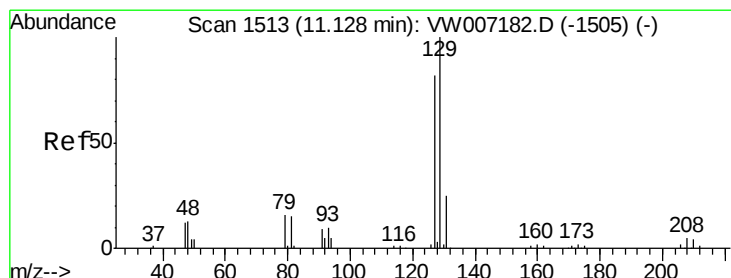
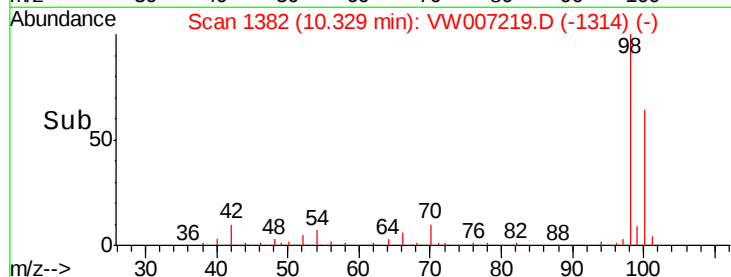
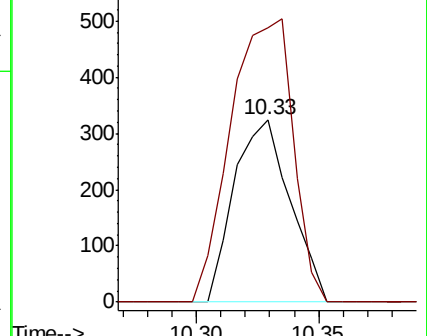
43 100

58 173.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 1008.923 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007219.D

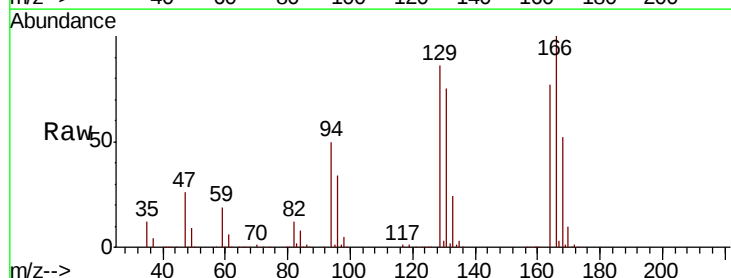
Acq: 05 Dec 2018 06:59

Tgt Ion: 129 Resp: 753265

Ion Ratio Lower Upper

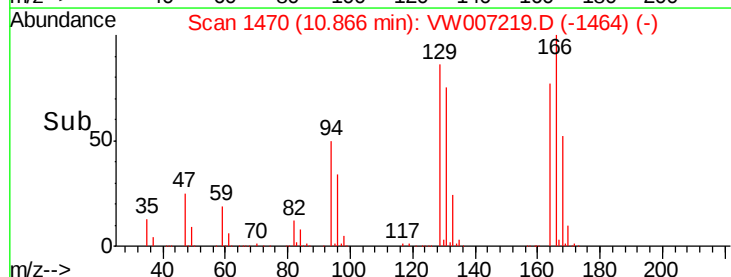
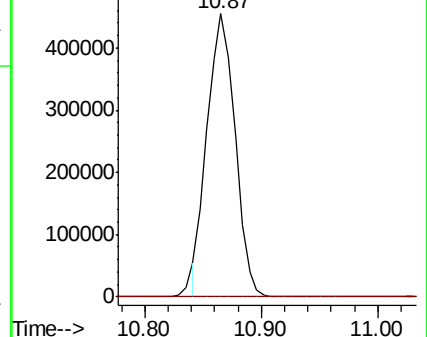
129 100

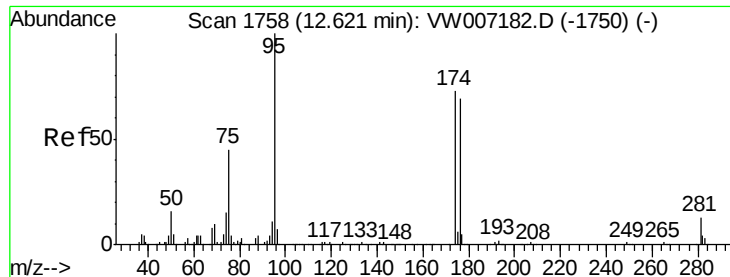
127 0.0 39.8 119.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

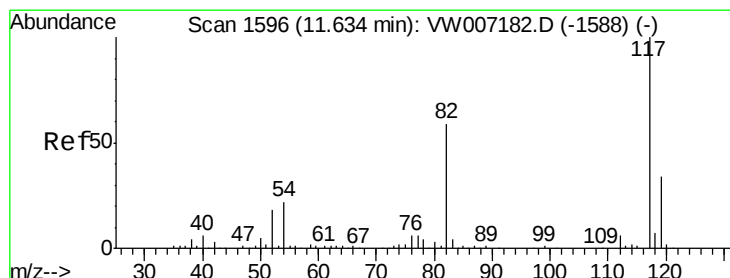
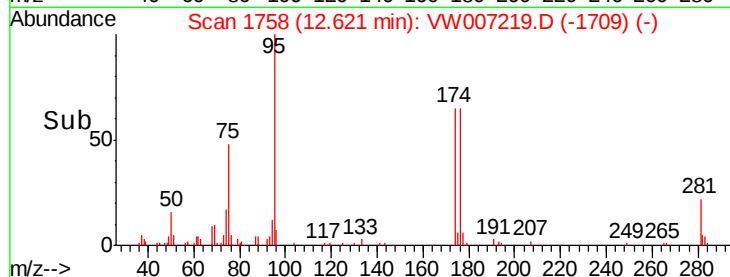
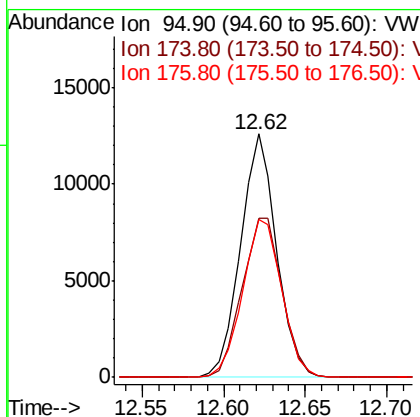
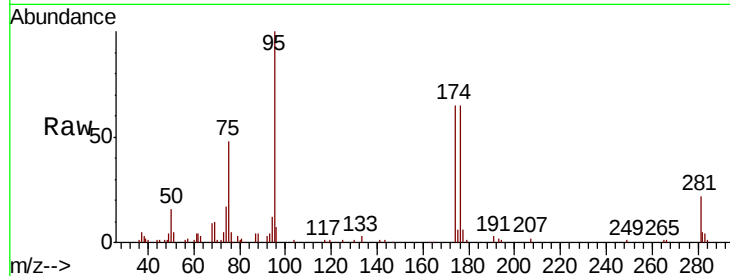




#62
4-Bromofluorobenzene
Concen: 15.292 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007219.D
Acq: 05 Dec 2018 06:59

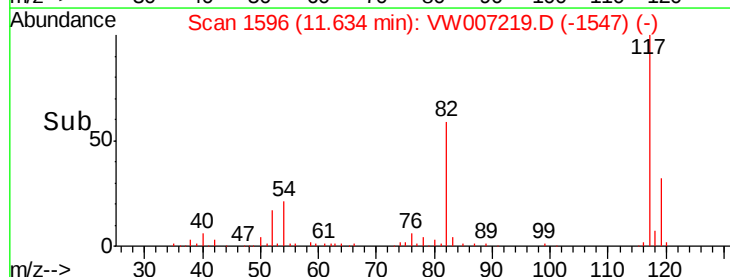
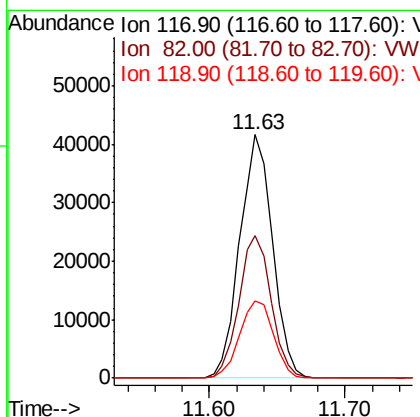
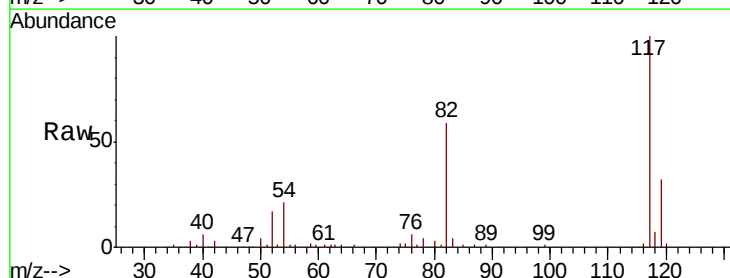
Instrument :
MSVOA_W
ClientSampleId :
WC-9(4.5)

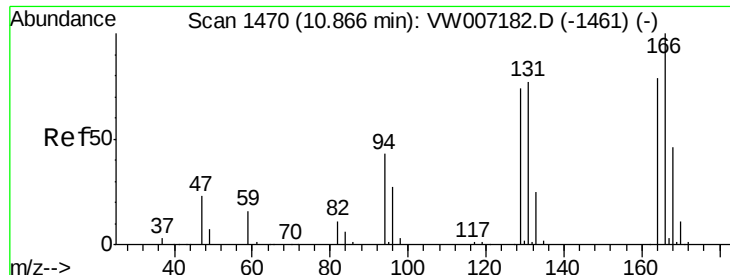
Tot Ion: 95 Resp: 19271
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.0
176 70.8 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007219.D
Acq: 05 Dec 2018 06:59

Tgt Ion: 117 Resp: 70007
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.8 26.8 40.2





#64

Tetrachloroethene

Concen: 1495.319 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampled :

WC-9(4.5)

Tot Ion:164 Resp: 764828

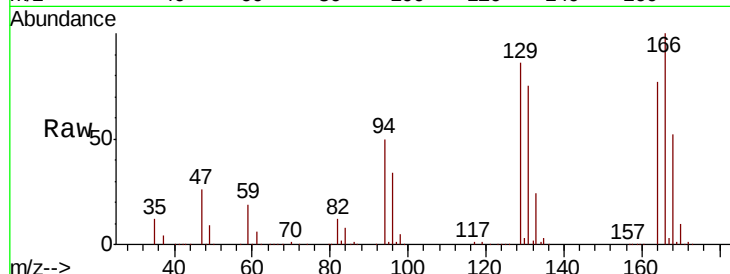
Ion Ratio Lower Upper

164 100

166 129.9 101.0 151.4

129 111.3 74.6 111.8

131 96.9 77.6 116.4

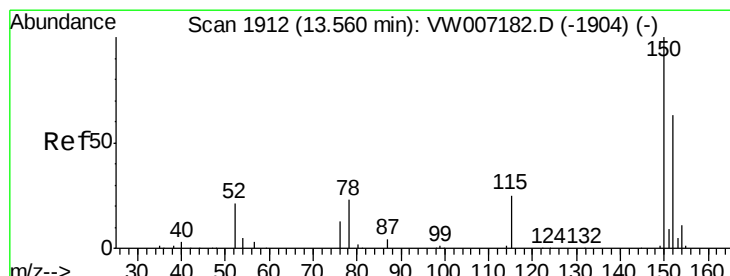
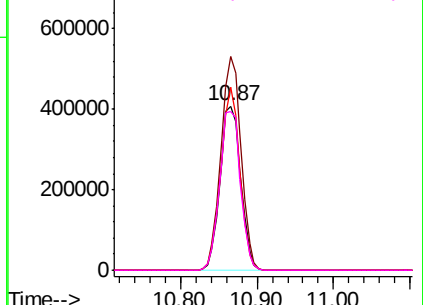
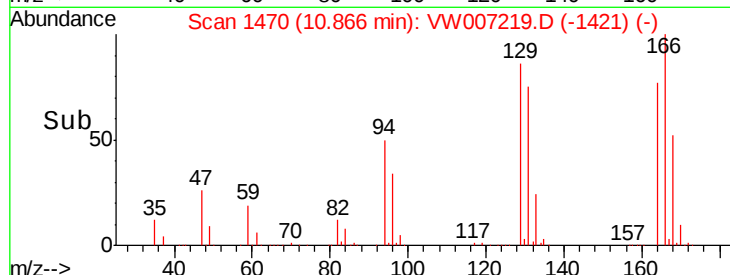


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

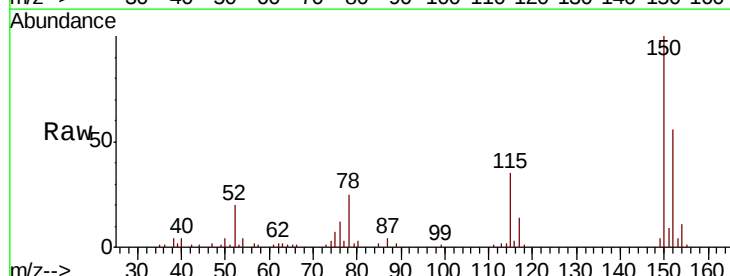
Tgt Ion:152 Resp: 10787

Ion Ratio Lower Upper

152 100

115 64.5 31.3 93.8

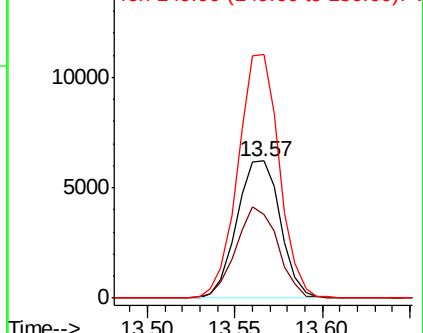
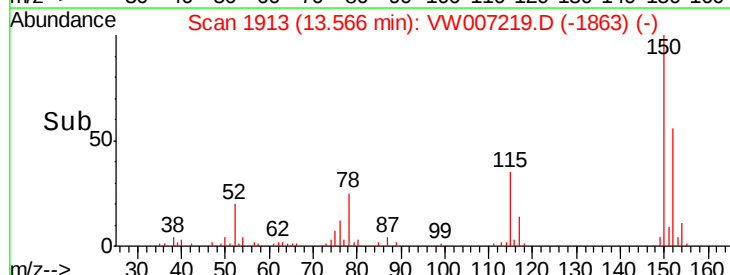
150 168.2 0.0 358.0

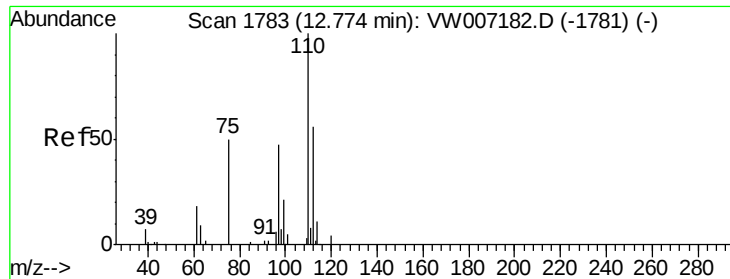


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.913 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Instrument :

MSVOA_W

ClientSampleId :

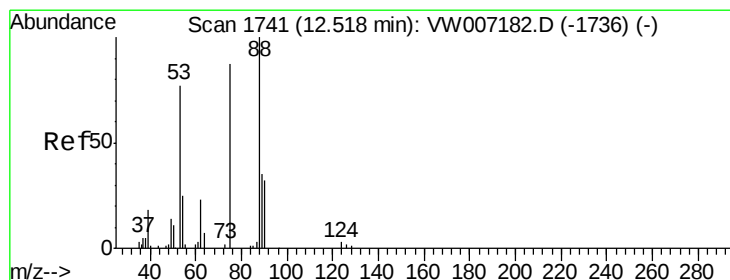
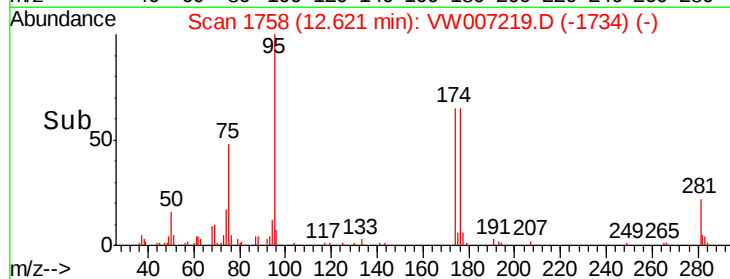
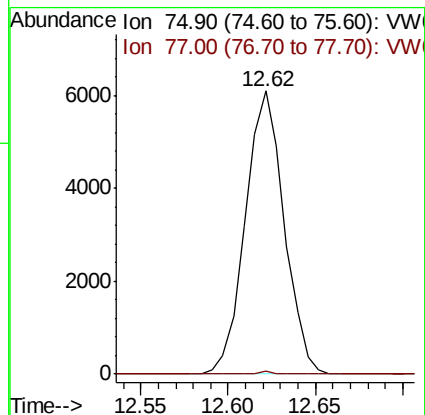
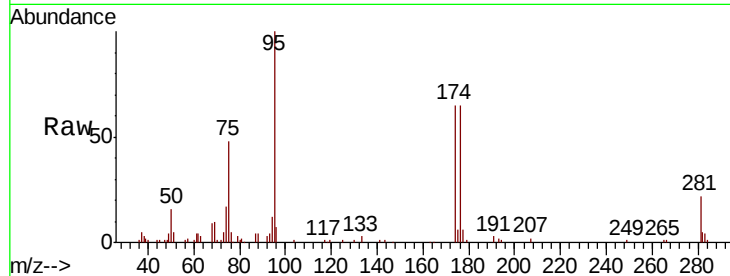
WC-9(4.5)

Tot Ion: 75 Resp: 9388

Ion Ratio Lower Upper

75 100

77 0.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 242.257 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007219.D

Acq: 05 Dec 2018 06:59

Tgt Ion: 75 Resp: 9388

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

89 0.0 36.4 54.6#

