

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\
 Data File : VW006741.D
 Acq On : 07 Nov 2018 17:24
 Operator : SY/AP
 Sample : J5819-07RE
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 09 09:48:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	410523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	137784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	93006	38.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.00%	
35) Dibromofluoromethane	7.89	113	97439	37.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.64%	
50) Toluene-d8	10.33	98	340077	34.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.34%	
62) 4-Bromofluorobenzene	12.62	95	97591	27.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.90%	

Target Compounds

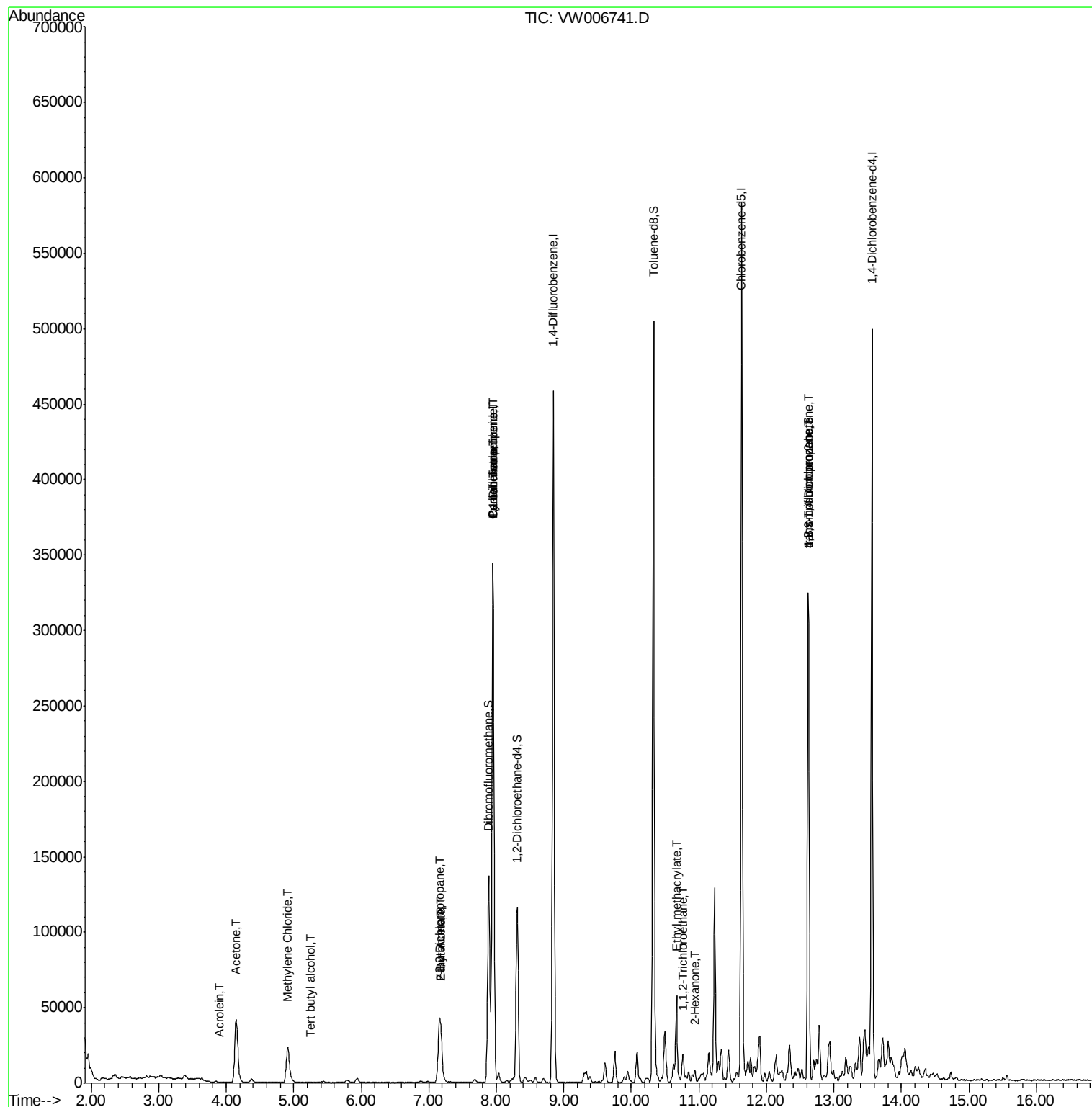
						Qvalue
11) Tert butyl alcohol	5.24	59	680	5.157	ug/l #	84
13) Acrolein	3.90	56	286	1.725	ug/l #	78
16) Acetone	4.15	43	87058	220.337	ug/l	98
20) Methylene Chloride	4.91	84	20138	2.148	ug/l	99
25) 2-Butanone	7.18	43	30616	54.302	ug/l	93
26) 2,2-Dichloropropane	7.15	77	3012	1.167	ug/l #	49
31) Cyclohexane	7.95	56	5199	1.334	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	17912	4.962	ug/l #	47
37) Ethyl Acetate	7.18	43	30616	24.472	ug/l #	66
38) Carbon Tetrachloride	7.95	117	24690	6.545	ug/l #	17
55) 1,1,2-Trichloroethane	10.76	97	6949	3.491	ug/l #	21
56) Ethyl methacrylate	10.67	69	5599	2.475	ug/l #	1
59) 2-Hexanone	10.94	43	3151	3.618	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	48183	44.820	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48183	112.556	ug/l #	11

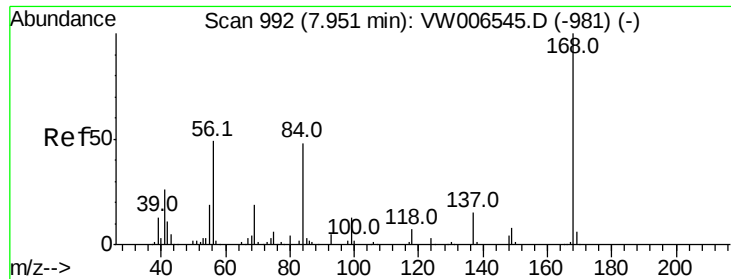
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

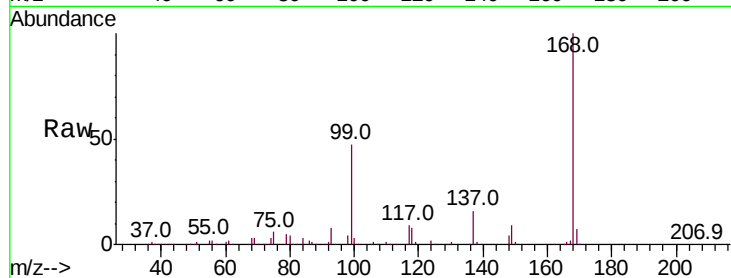
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 284703

Ion Ratio Lower Upper

168 100

99 47.3 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

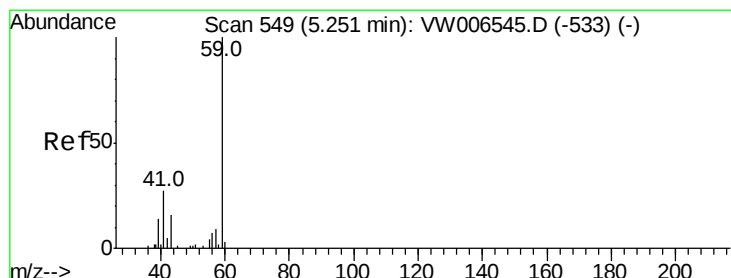
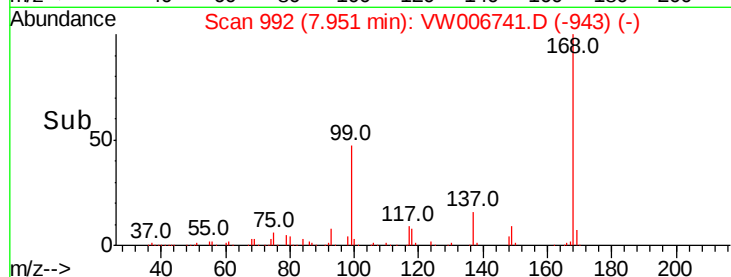
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.157 ug/l

RT: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW006741.D

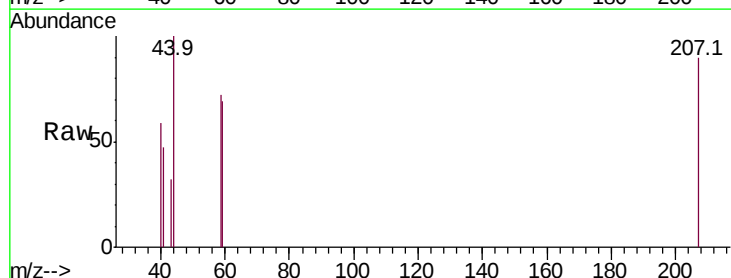
Acq: 07 Nov 2018 17:24

Tgt Ion: 59 Resp: 680

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

250

200

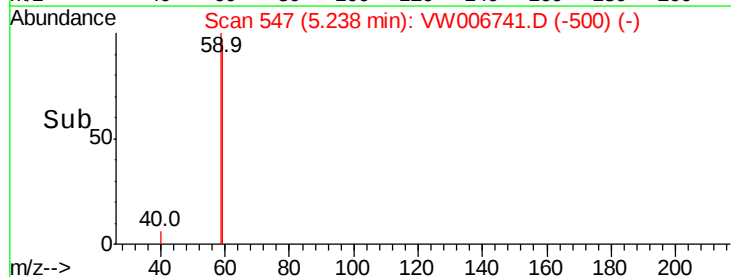
150

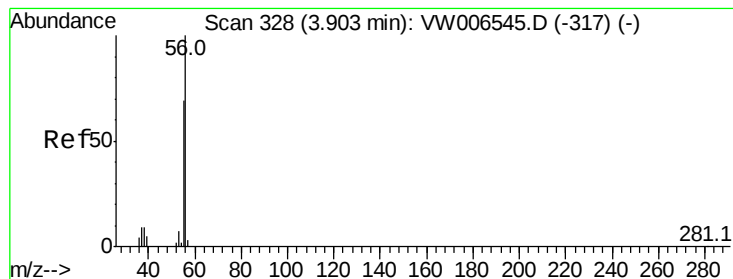
100

50

0

Time-->





#13

Acrolein

Concen: 1.725 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

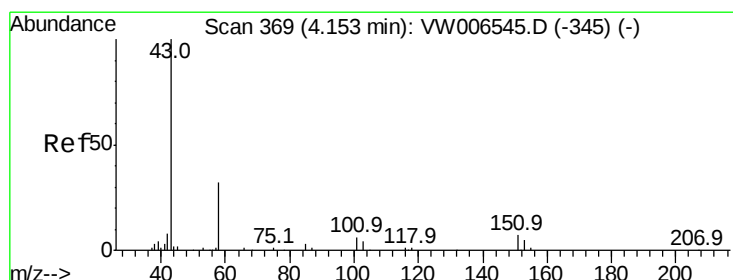
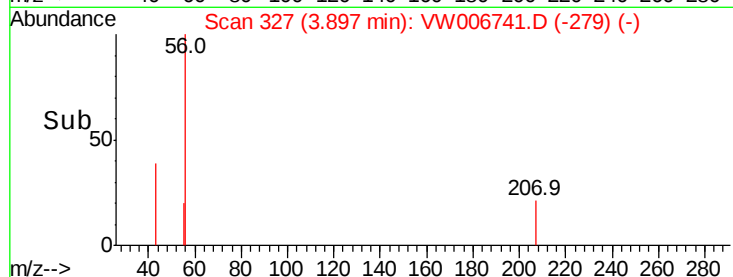
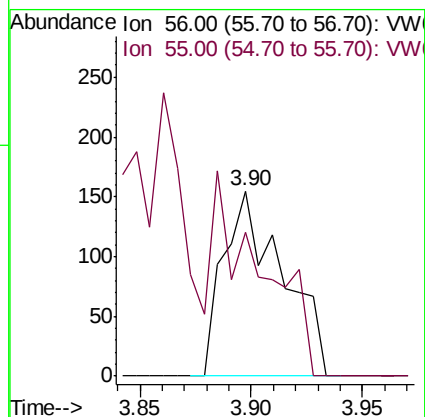
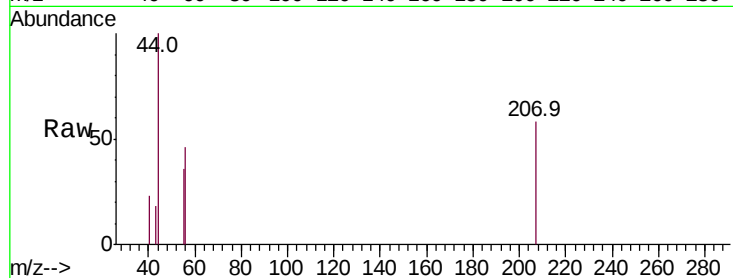
ClientSampled :

Tot Ion: 56 Resp: 286

Ion Ratio Lower Upper

56 100

55 89.5 56.9 85.3#



#16

Acetone

Concen: 220.337 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006741.D

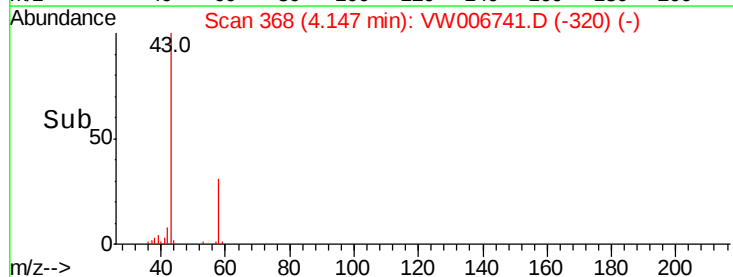
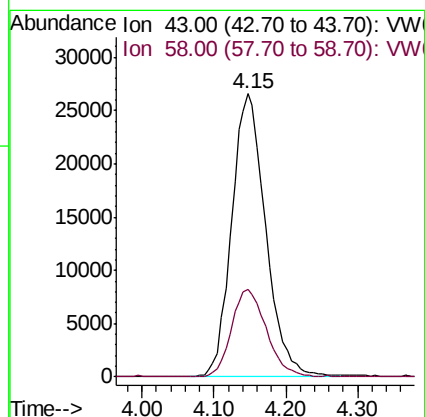
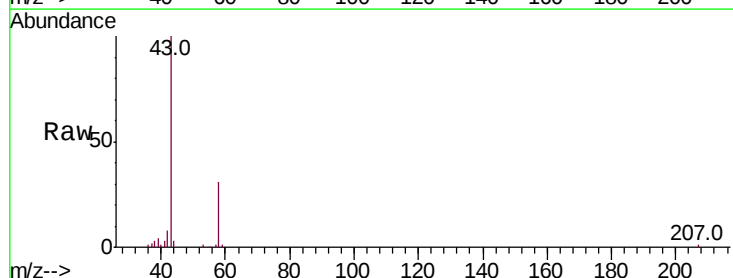
Acq: 07 Nov 2018 17:24

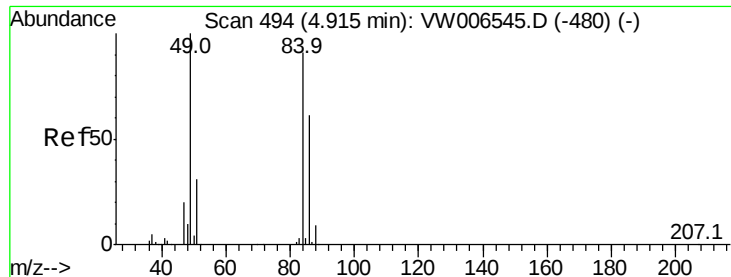
Tgt Ion: 43 Resp: 87058

Ion Ratio Lower Upper

43 100

58 31.1 25.8 38.8

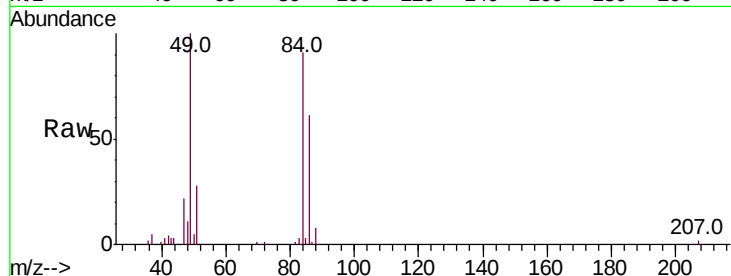




#20
Methvlene Chloride
Concen: 2.148 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006741.D
Acq: 07 Nov 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	20138
Ion	Ratio	Lower	Upper
84	100		
49	109.9	88.2	132.4
51	31.2	27.0	40.6
86	66.8	53.8	80.8



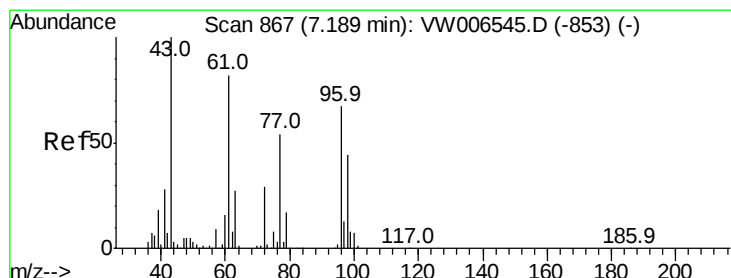
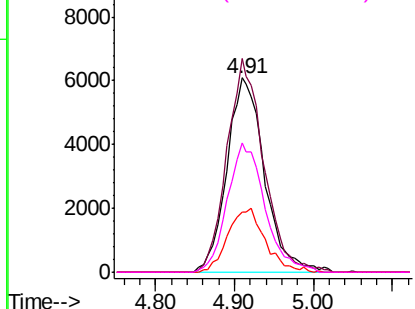
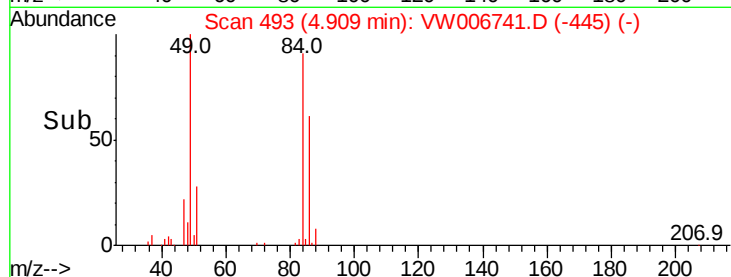
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

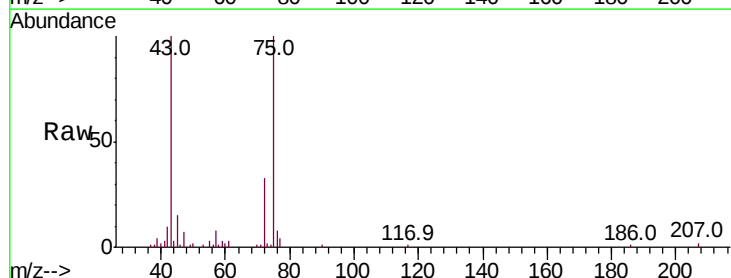
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 54.302 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: VW006741.D
Acq: 07 Nov 2018 17:24

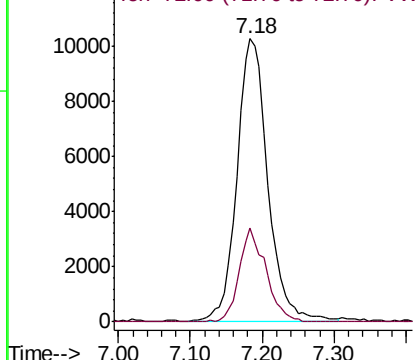
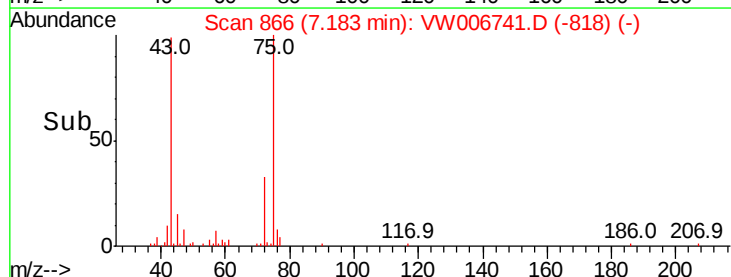
Tgt Ion:	43	Resp:	30616
Ion	Ratio	Lower	Upper
43	100		
72	33.0	23.2	34.8

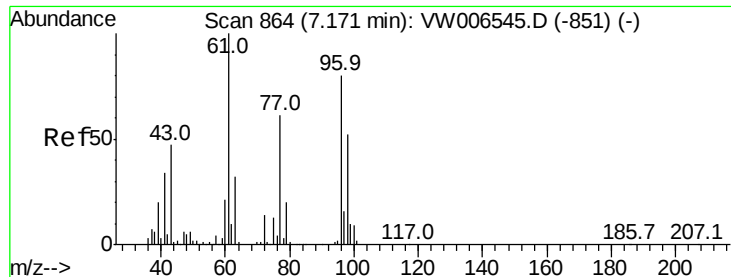


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.167 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

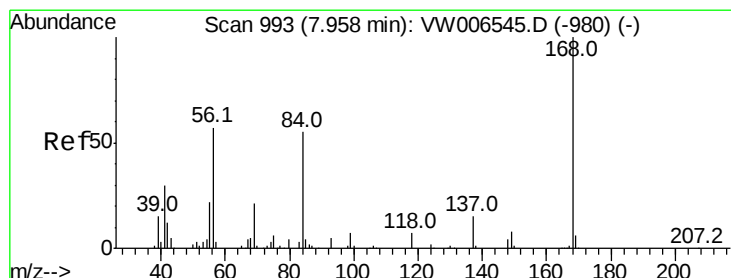
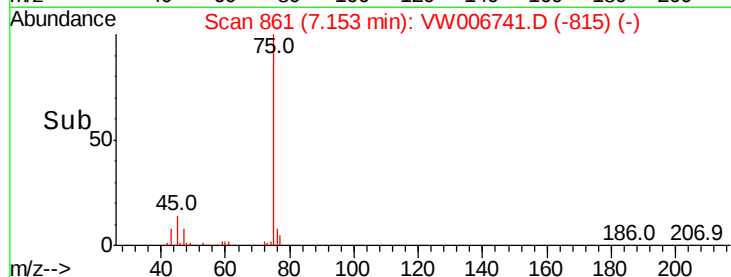
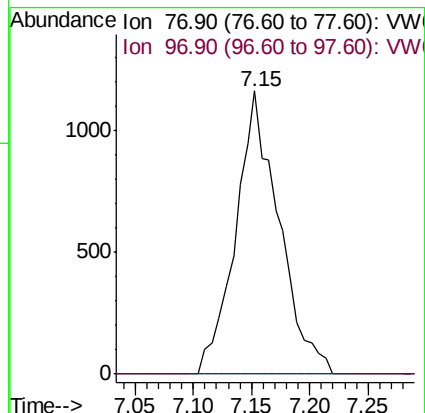
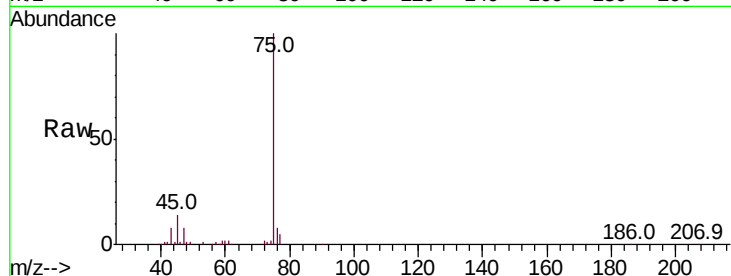
ClientSampled :

Tot Ion: 77 Resp: 3012

Ion Ratio Lower Upper

77 100

97 0.0 12.8 38.4#



#31

Cyclohexane

Concen: 1.334 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

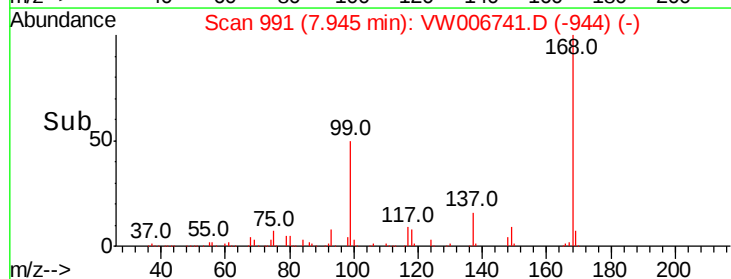
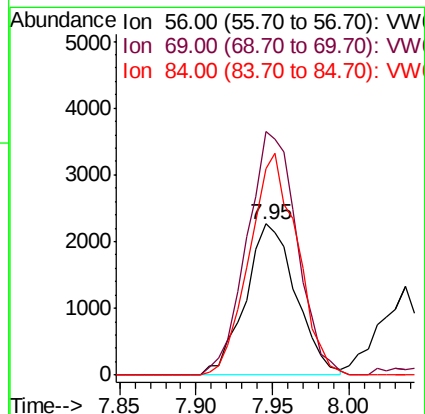
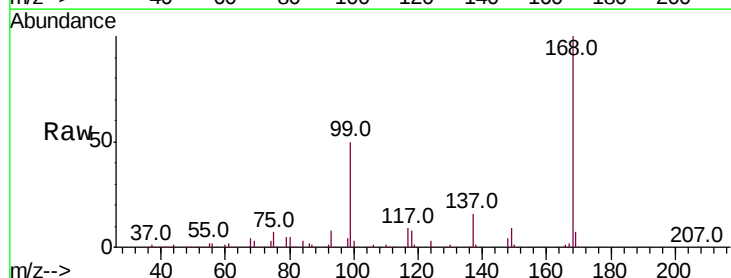
Tgt Ion: 56 Resp: 5199

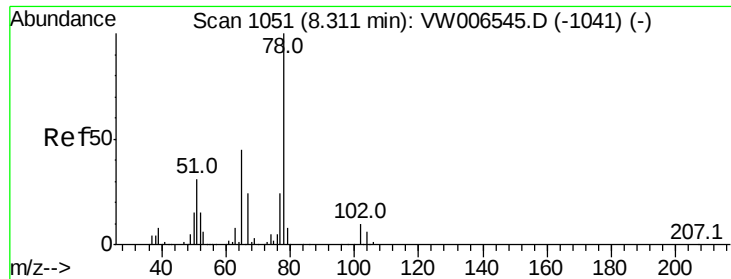
Ion Ratio Lower Upper

56 100

69 161.4 29.0 43.4#

84 136.8 77.8 116.6#





#33

1,2-Dichloroethane-d4

Concen: 38.004 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

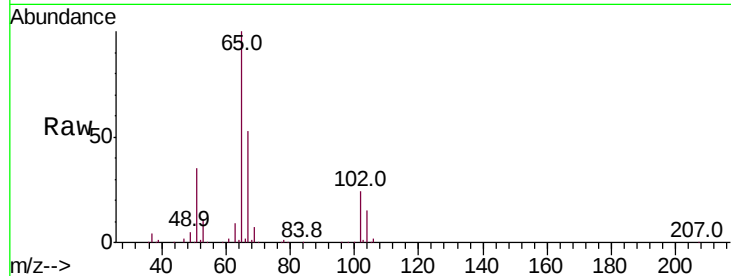
ClientSampleId :

Tot Ion: 65 Resp: 93006

Ion Ratio Lower Upper

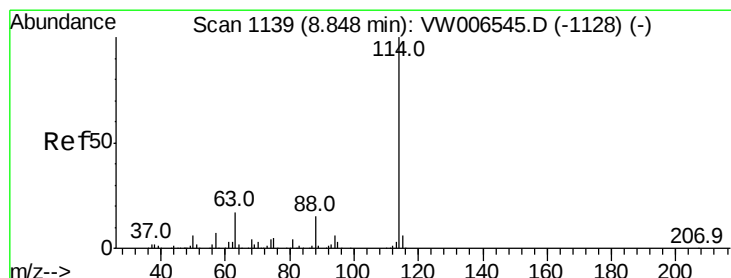
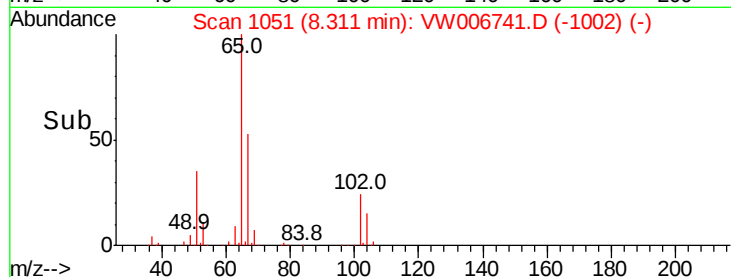
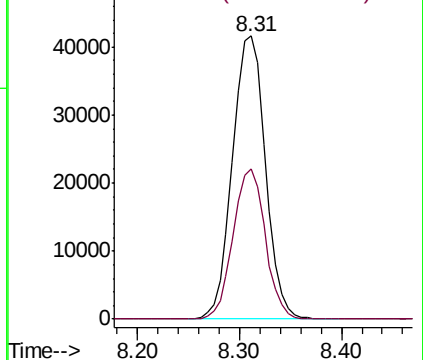
65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

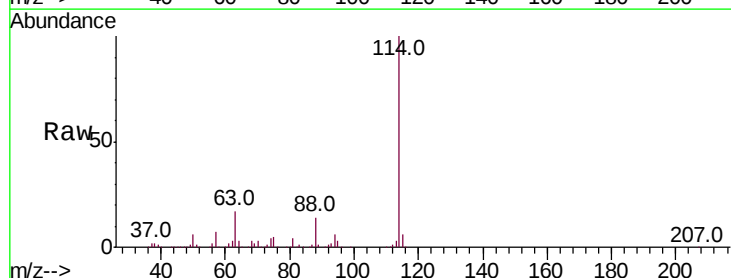
Tgt Ion: 114 Resp: 410523

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

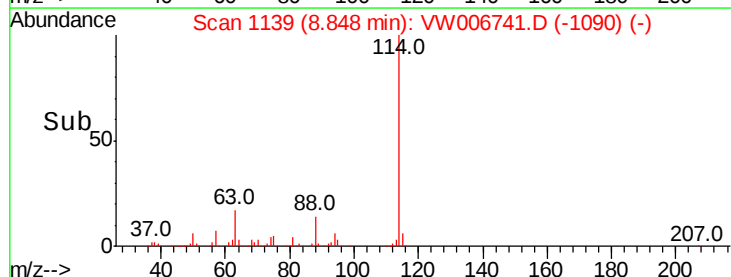
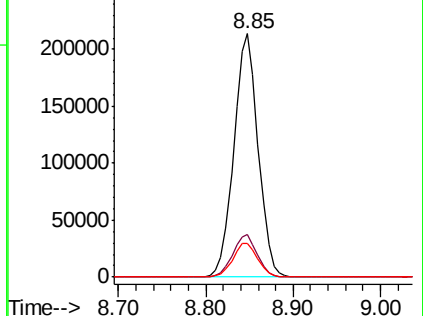
88 13.7 0.0 29.0

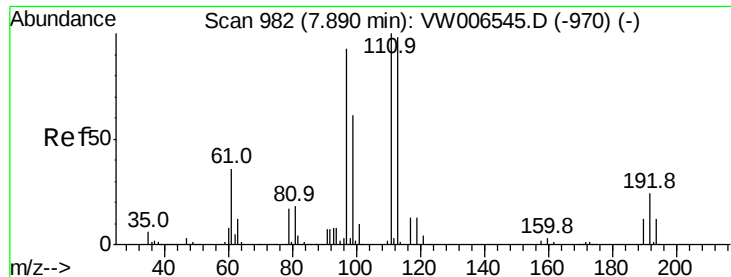


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 37.820 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :
MSVOA_W
ClientSampled :

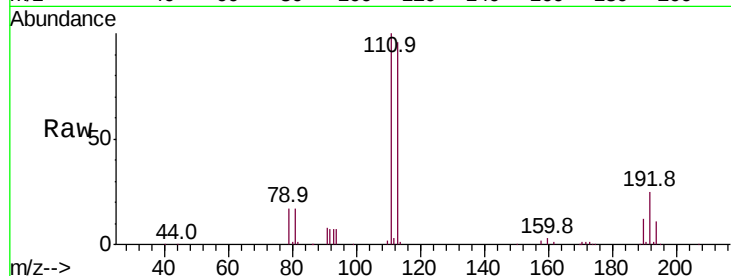
Tot Ion:113 Resp: 97439

Ion Ratio Lower Upper

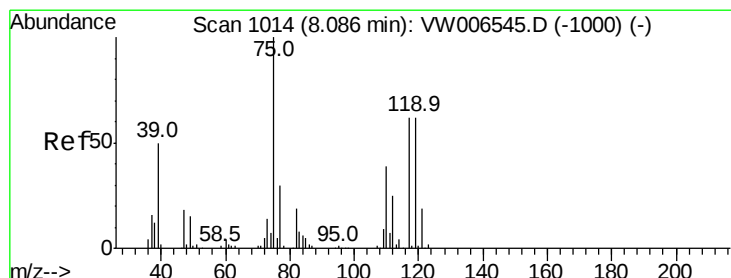
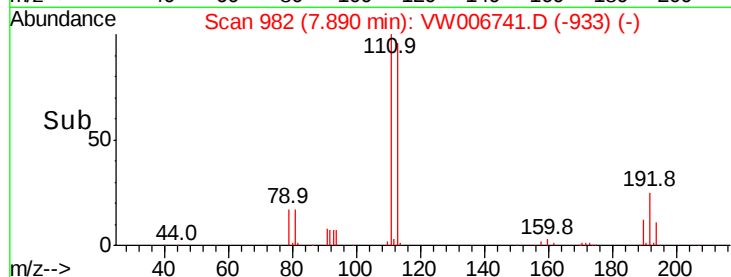
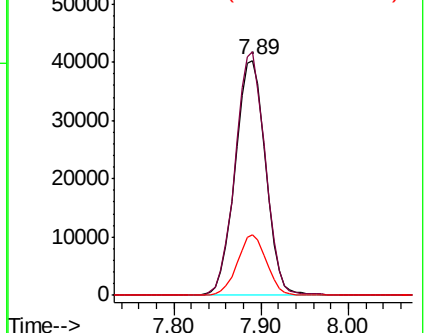
113 100

111 102.3 82.2 123.2

192 24.4 19.0 28.6



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: 4.962 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

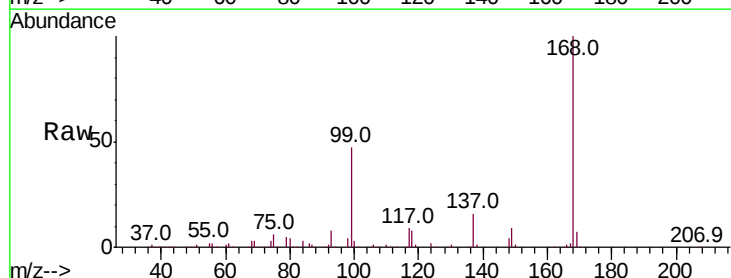
Tgt Ion: 75 Resp: 17912

Ion Ratio Lower Upper

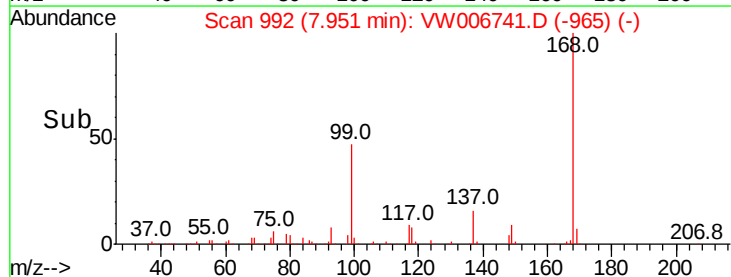
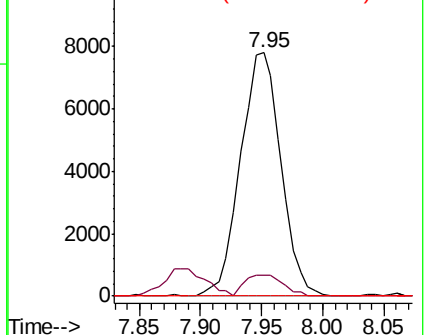
75 100

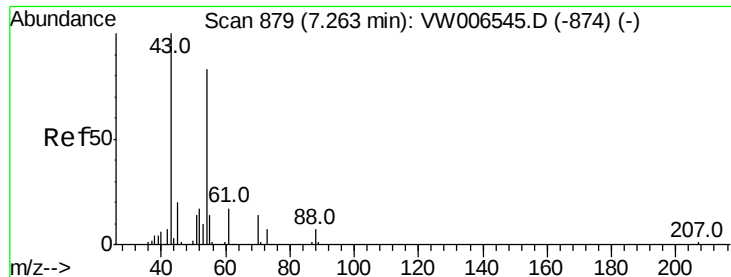
110 8.3 19.5 58.5#

77 0.0 24.6 37.0#



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

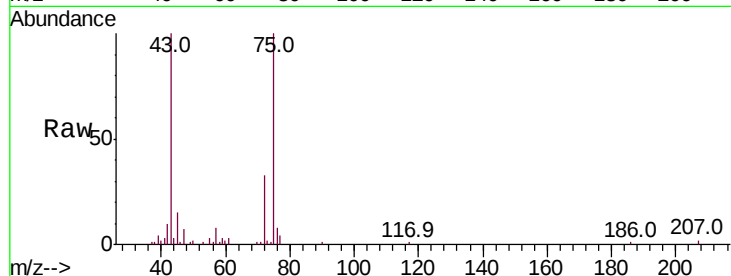




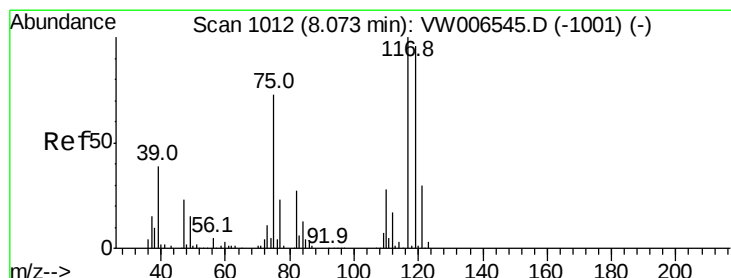
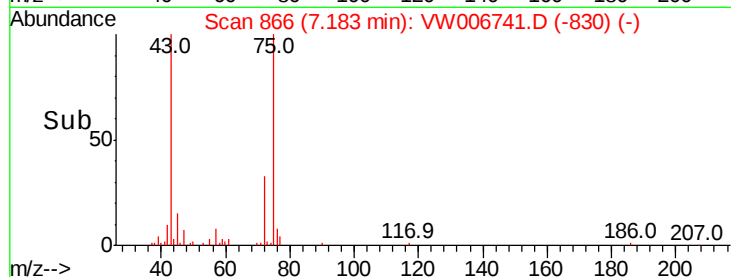
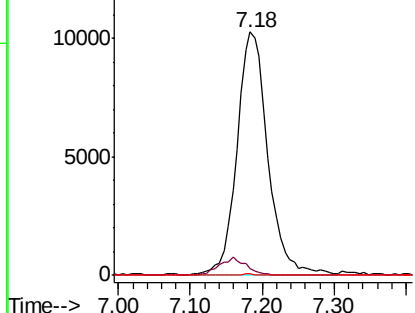
#37
Ethyl Acetate
Concen: 24.472 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.08 min
Lab File: VW006741.D
Acq: 07 Nov 2018 17:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 30616
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.2 9.8 14.6#

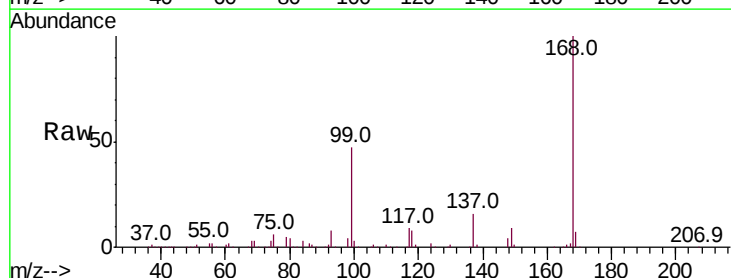


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

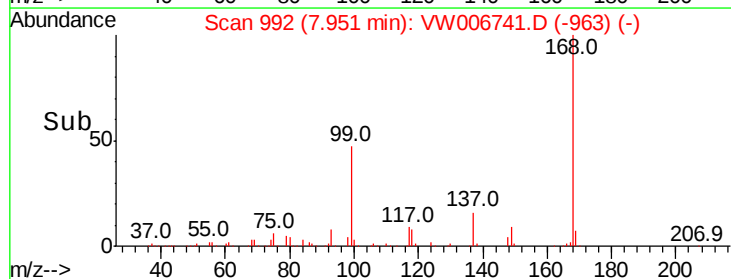
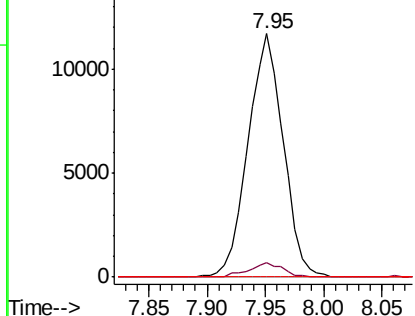


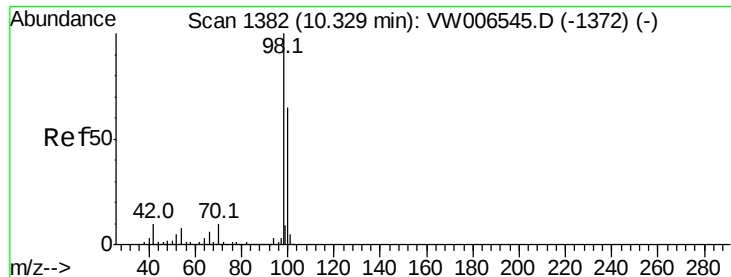
#38
Carbon Tetrachloride
Concen: 6.545 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006741.D
Acq: 07 Nov 2018 17:24

Tgt Ion: 117 Resp: 24690
Ion Ratio Lower Upper
117 100
119 5.9 76.3 114.5#
121 0.0 24.1 36.1#



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





#50

Toluene-d8

Concen: 34.674 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

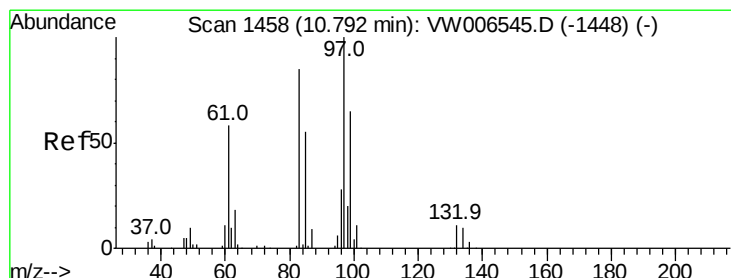
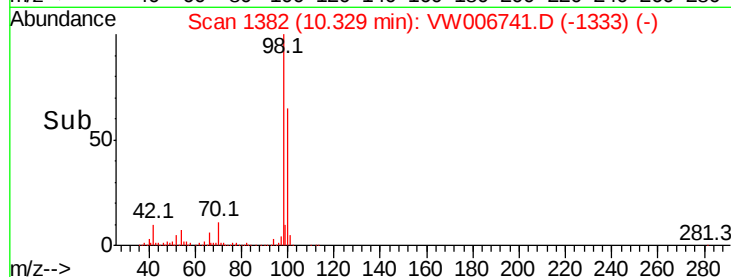
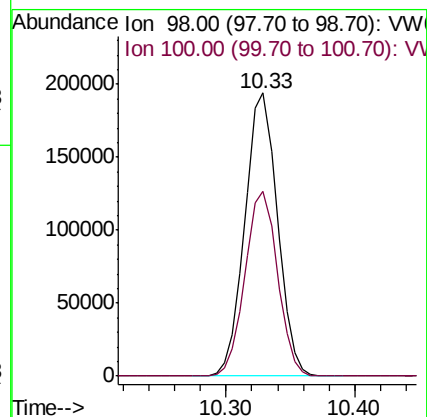
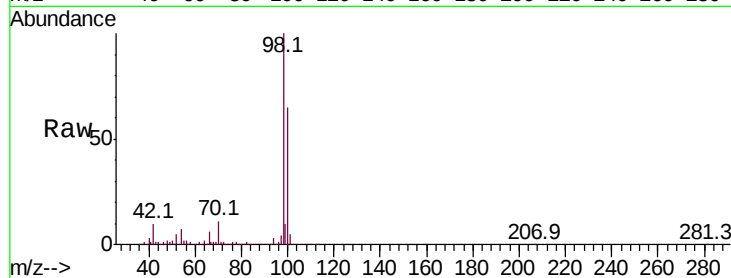
ClientSampleId :

Tot Ion: 98 Resp: 340077

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#55

1,1,2-Trichloroethane

Concen: 3.491 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Tgt Ion: 97 Resp: 6949

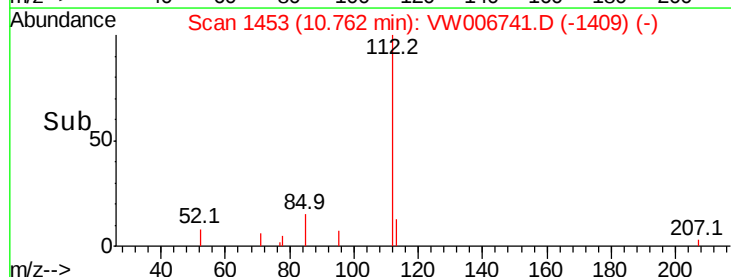
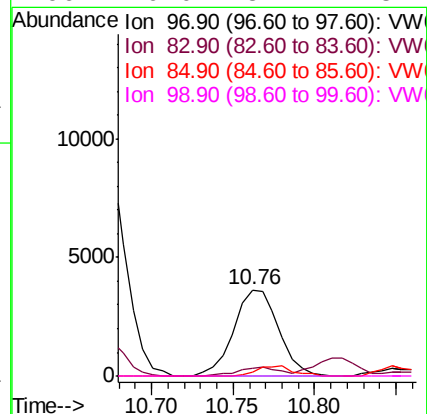
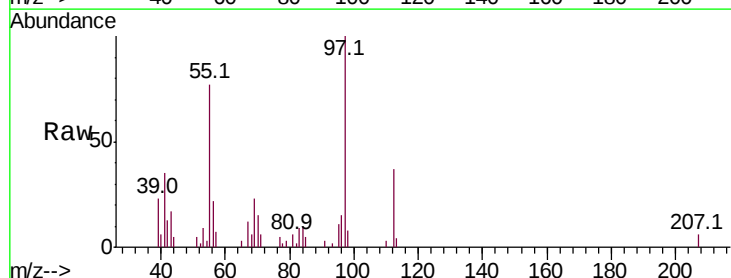
Ion Ratio Lower Upper

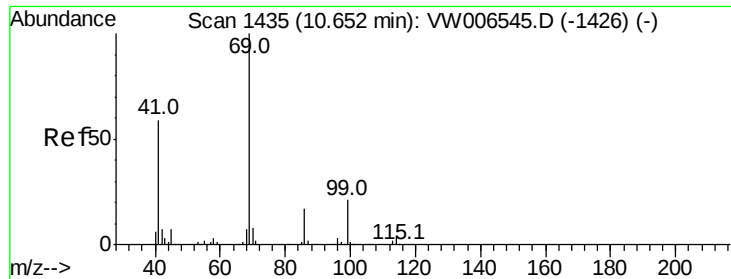
97 100

83 9.2 67.9 101.9#

85 4.6 44.0 66.0#

99 0.0 52.2 78.2#





#56

Ethyl methacrylate

Concen: 2.475 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

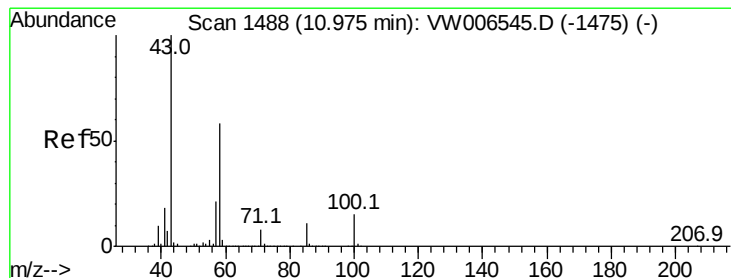
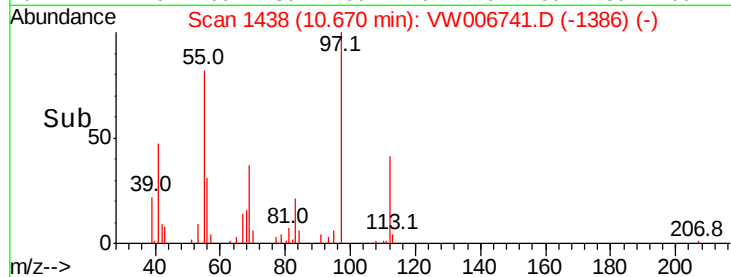
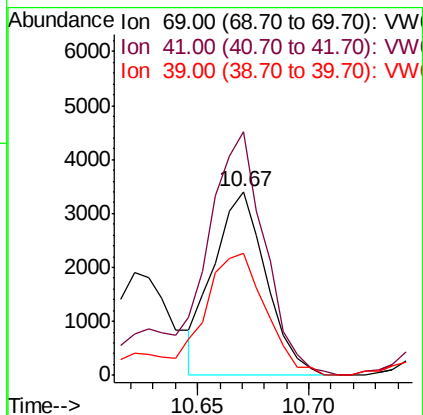
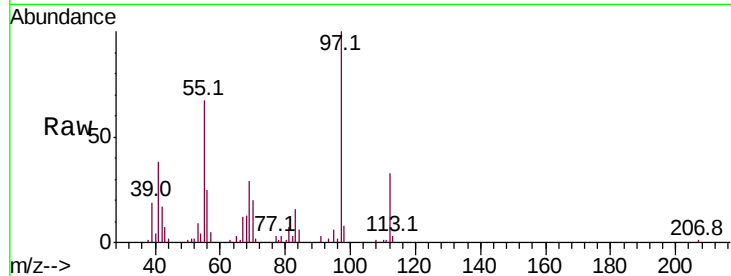
Tot Ion: 69 Resp: 5599

Ion Ratio Lower Upper

69 100

41 176.9 47.4 71.2#

39 75.0 25.3 37.9#



#59

2-Hexanone

Concen: 3.618 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.04 min

Lab File: VW006741.D

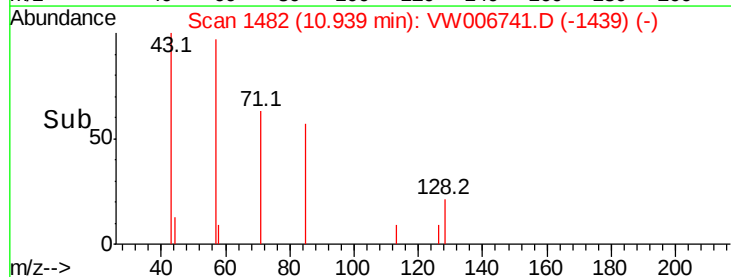
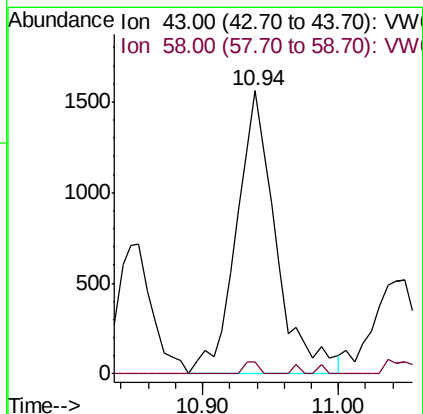
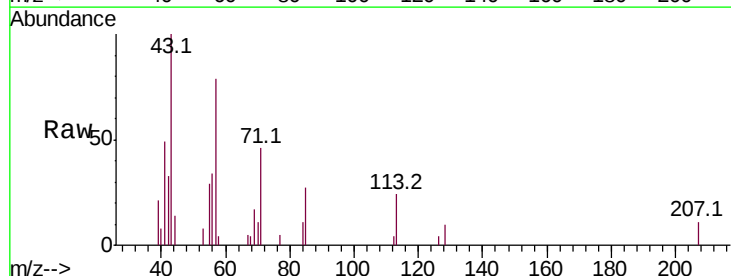
Acq: 07 Nov 2018 17:24

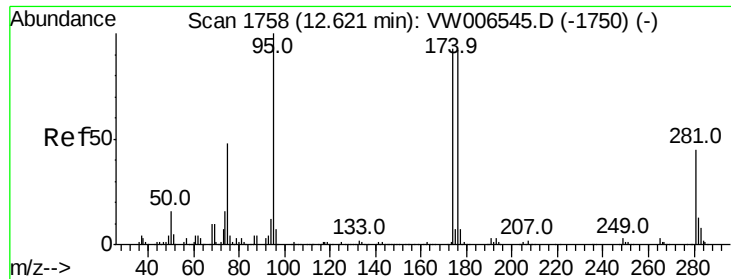
Tgt Ion: 43 Resp: 3151

Ion Ratio Lower Upper

43 100

58 1.5 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 27.447 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

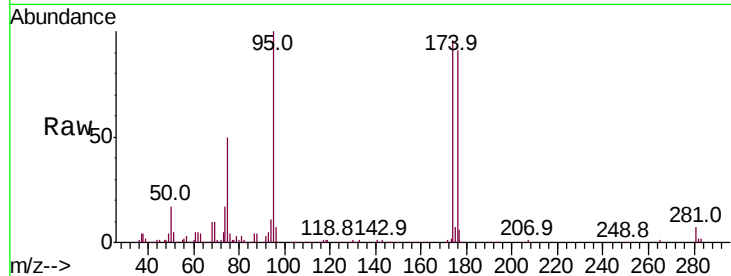
Tot Ion: 95 Resp: 97591

Ion Ratio Lower Upper

95 100

174 99.2 0.0 192.4

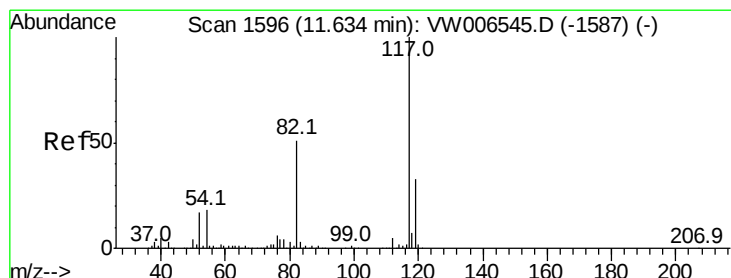
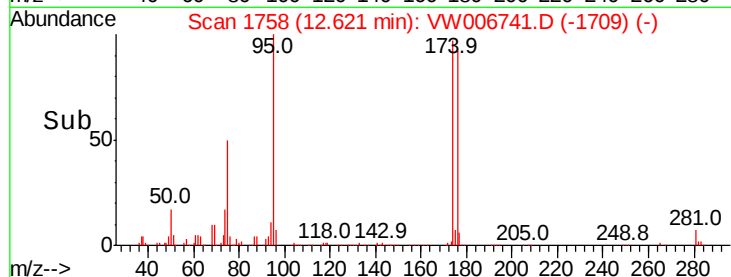
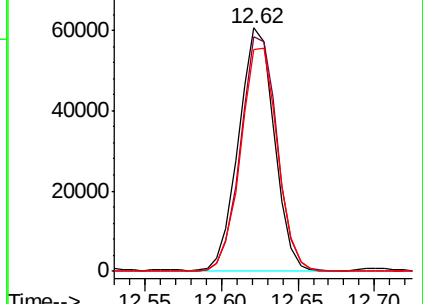
176 95.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

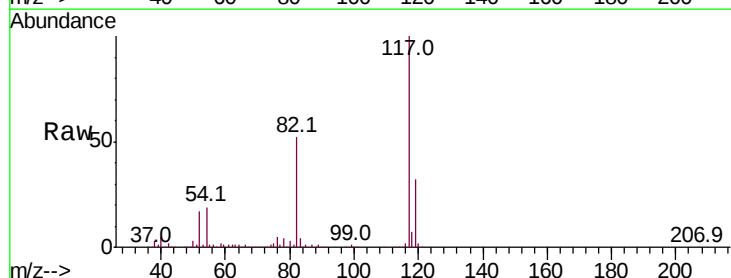
Tgt Ion: 117 Resp: 346941

Ion Ratio Lower Upper

117 100

82 51.6 40.8 61.2

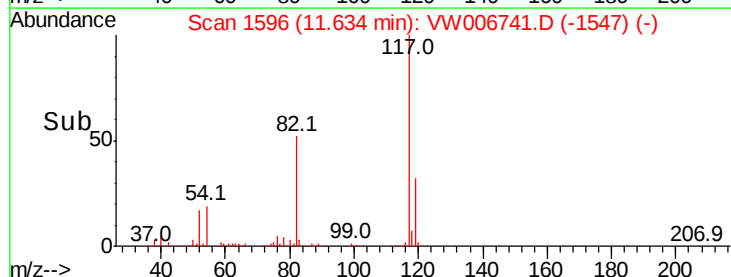
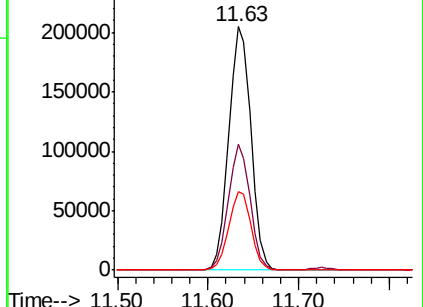
119 32.1 26.1 39.1

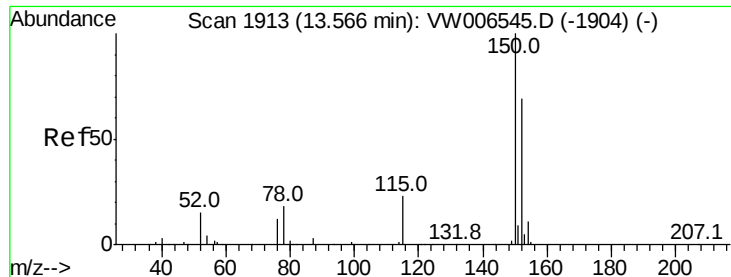


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

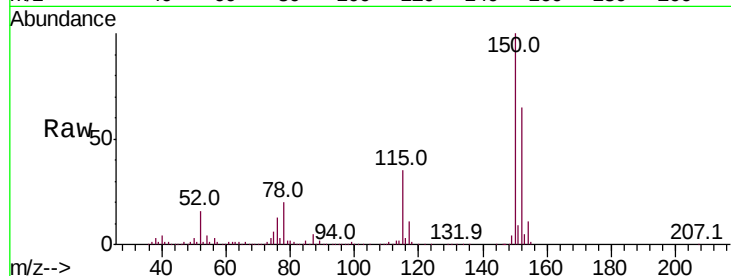
Tot Ion:152 Resp: 137784

Ion Ratio Lower Upper

152 100

115 60.6 26.6 79.8

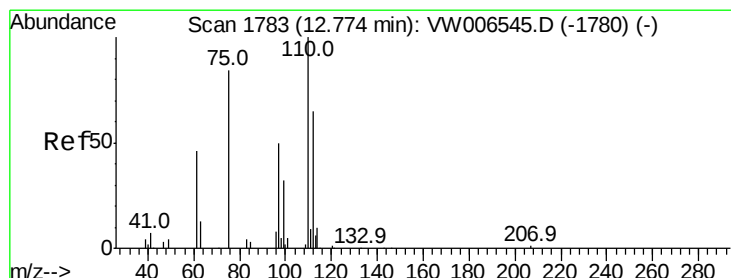
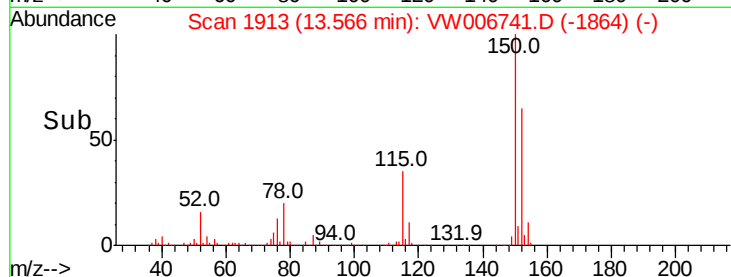
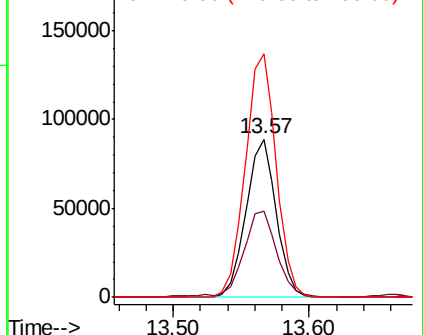
150 157.6 0.0 344.6



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: 44.820 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006741.D

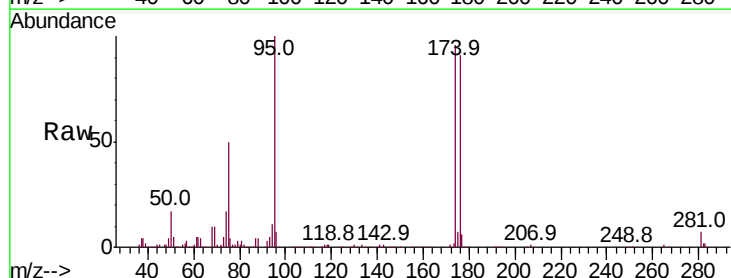
Acq: 07 Nov 2018 17:24

Tgt Ion: 75 Resp: 48183

Ion Ratio Lower Upper

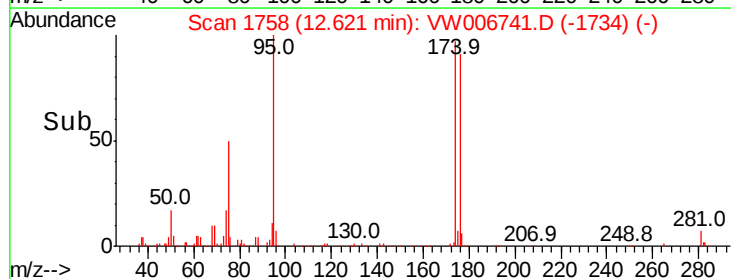
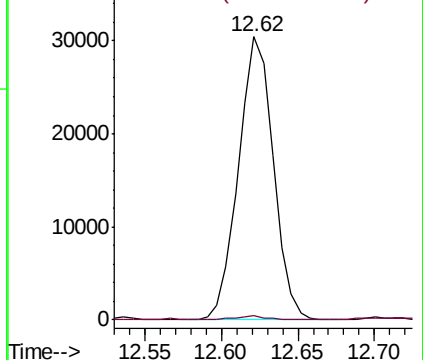
75 100

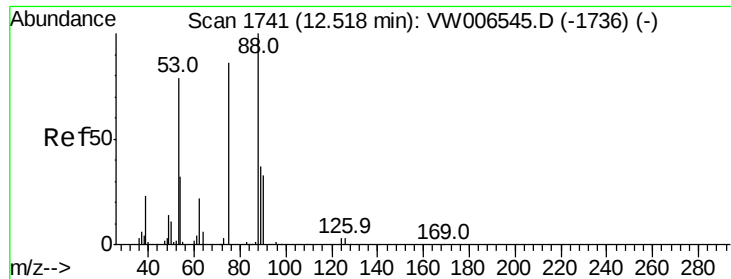
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 112.556 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006741.D

Acq: 07 Nov 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 48183

Ion Ratio Lower Upper

75 100

53 0.4 77.2 115.8#

89 0.0 38.6 58.0#

