

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005462.D
 Acq On : 18 Sep 2018 05:52
 Operator : SY/AP
 Sample : J4941-01RE
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47199RTRE

Quant Time: Sep 18 07:12:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

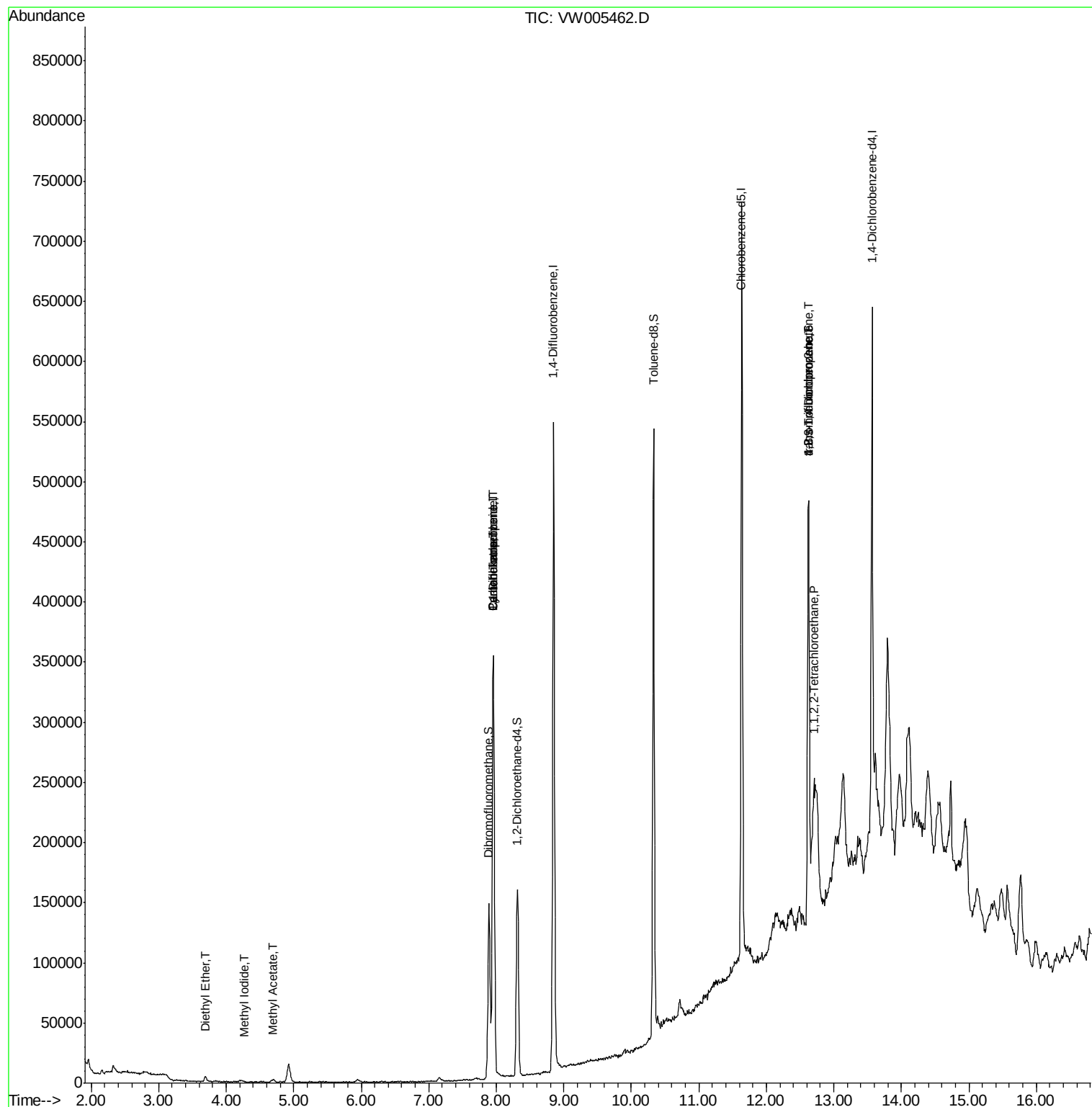
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	264444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	446397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	349917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114469	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128838	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
35) Dibromofluoromethane	7.89	113	103213	41.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.48%	
50) Toluene-d8	10.33	98	340211	29.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.36%	
62) 4-Bromofluorobenzene	12.63	95	120105	28.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	433	Below Cal		82
5) Bromomethane	2.78	94	142	Below Cal	#	30
8) Diethyl Ether	3.70	74	2111	1.834	ug/l	79
10) Methyl Iodide	4.27	142	134	4.094	ug/l #	38
11) Tert butyl alcohol	5.21	59	154	Below Cal	#	71
13) Acrolein	3.85	56	19	Below Cal	#	1
16) Acetone	4.17	43	671	Below Cal	#	87
18) Methyl Acetate	4.70	43	4668	3.539	ug/l #	75
20) Methylene Chloride	4.92	84	10613	Below Cal		93
31) Cyclohexane	7.96	56	5995	1.368	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	21111	4.997	ug/l #	52
38) Carbon Tetrachloride	7.96	117	26109	5.931	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.71	83	22420	19.137	ug/l #	30
76) 1,2,3-Trichloropropane	12.62	75	58438	62.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58438	161.014	ug/l #	8

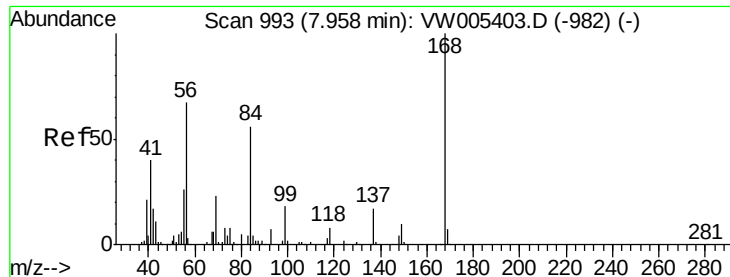
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
Data File : VW005462.D
Acq On : 18 Sep 2018 05:52
Operator : SY/AP
Sample : J4941-01RE
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RB47199RTRE

Quant Time: Sep 18 07:12:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

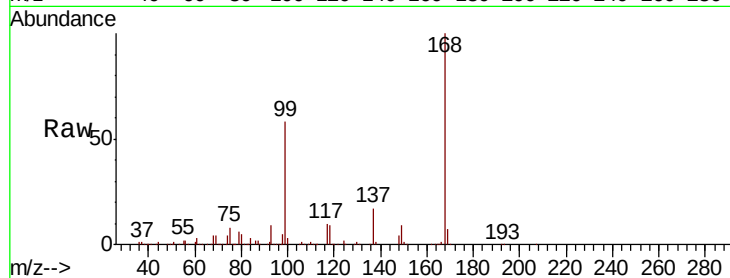
RB47199RTRE

Tgt Ion:168 Resp: 264444

Ion Ratio Lower Upper

168 100

99 57.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

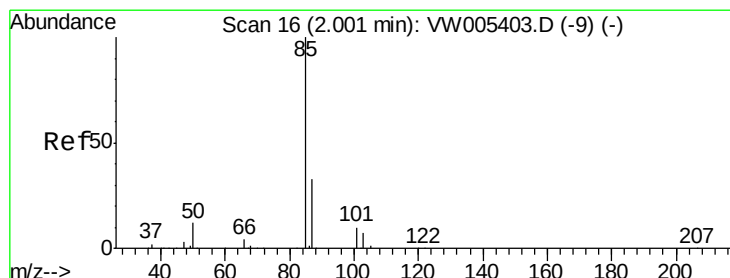
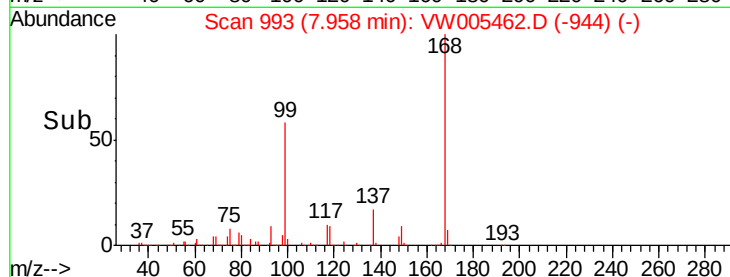
7.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005462.D

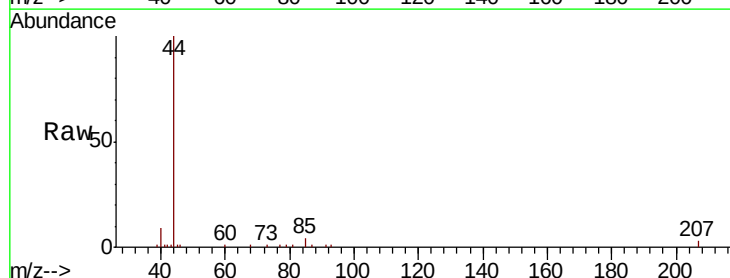
Acq: 18 Sep 2018 05:52

Tgt Ion: 85 Resp: 433

Ion Ratio Lower Upper

85 100

87 22.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

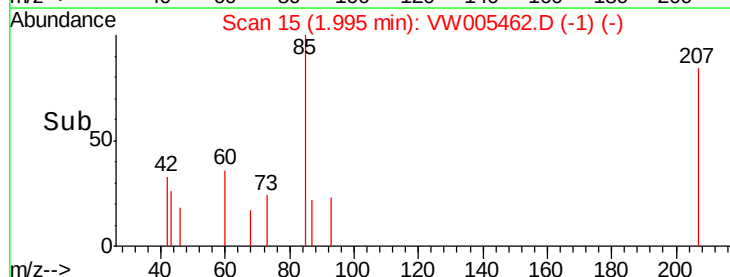
300

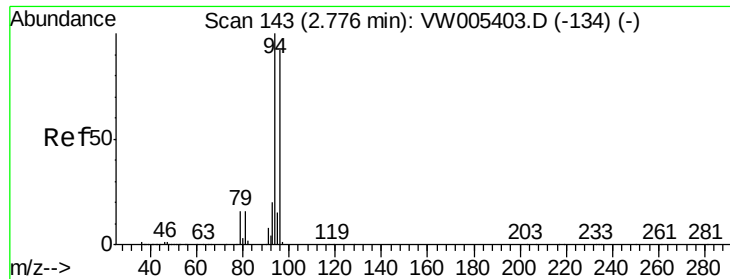
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

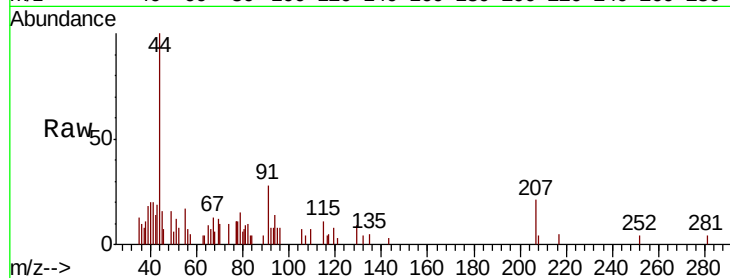
RB47199RTRE

Tgt Ion: 94 Resp: 142

Ion Ratio Lower Upper

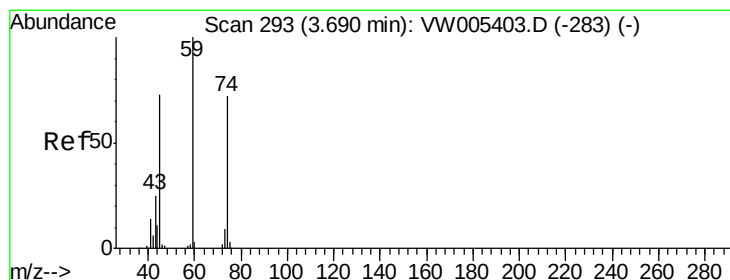
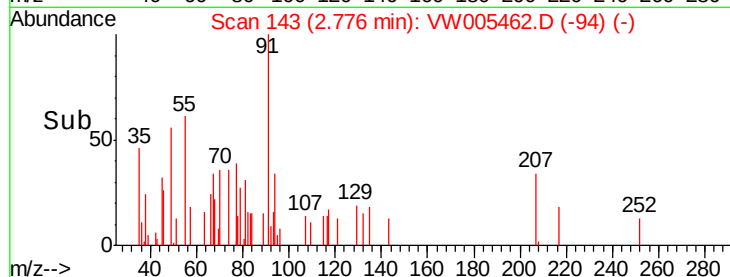
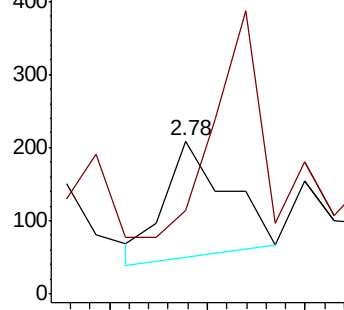
94 100

96 25.2 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.834 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005462.D

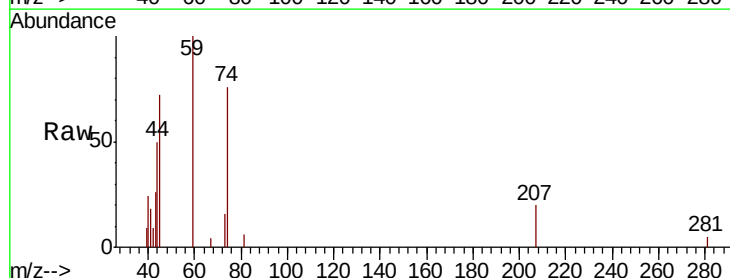
Acq: 18 Sep 2018 05:52

Tgt Ion: 74 Resp: 2111

Ion Ratio Lower Upper

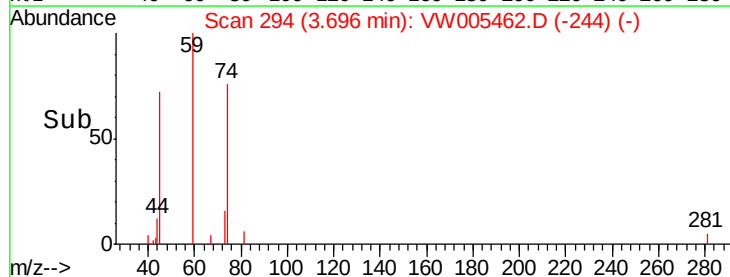
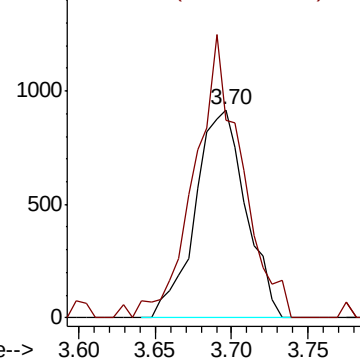
74 100

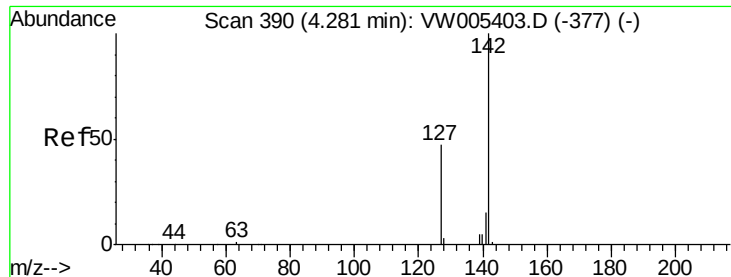
45 127.6 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#10

Methyl Iodide

Concen: 4.094 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

RB47199RTRE

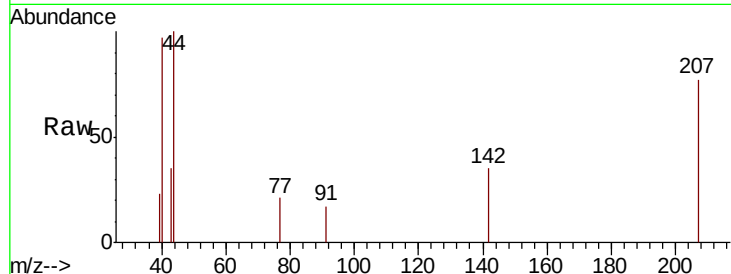
Tgt Ion: 142 Resp: 134

Ion Ratio Lower Upper

142 100

127 0.0 37.5 56.3#

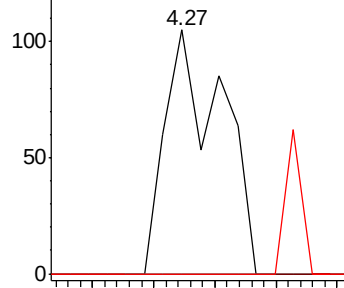
141 0.0 12.4 18.6#



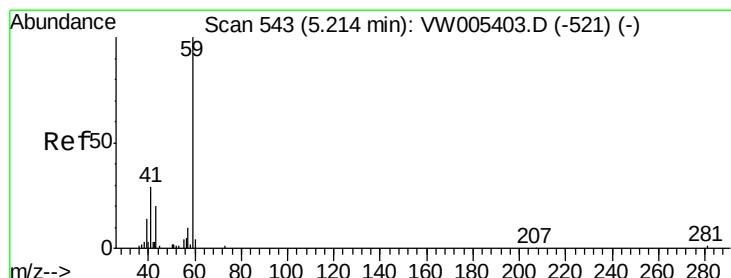
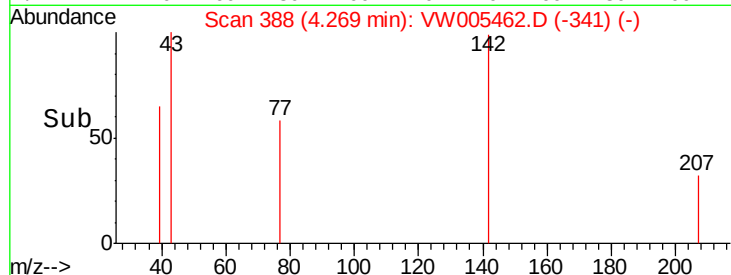
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.00 min

Lab File: VW005462.D

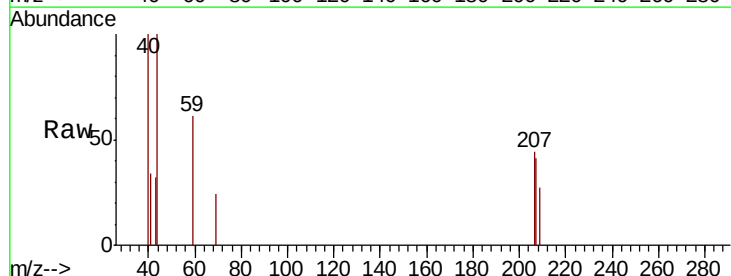
Acq: 18 Sep 2018 05:52

Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

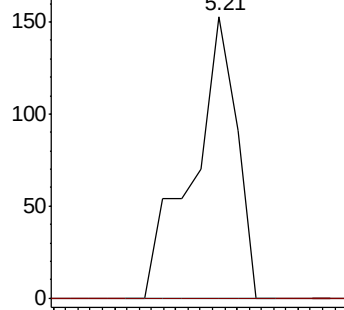
59 100

57 0.0 8.6 13.0#

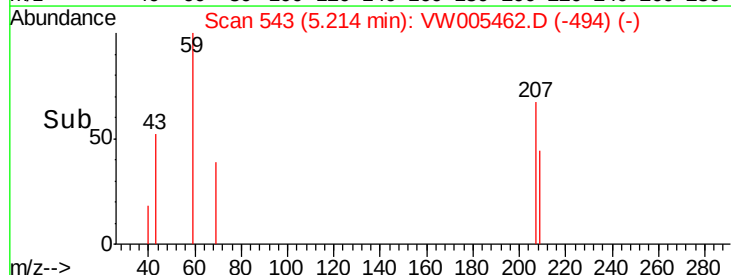


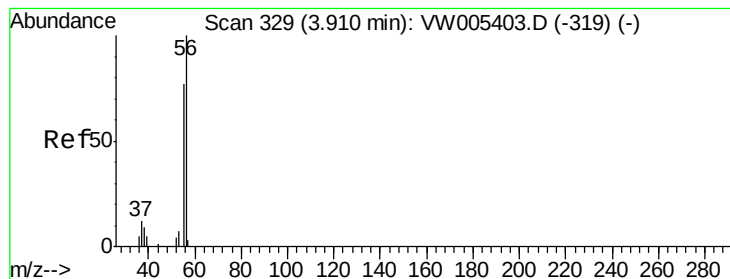
Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.85 min Scan# 320

Delta R.T. -0.05 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

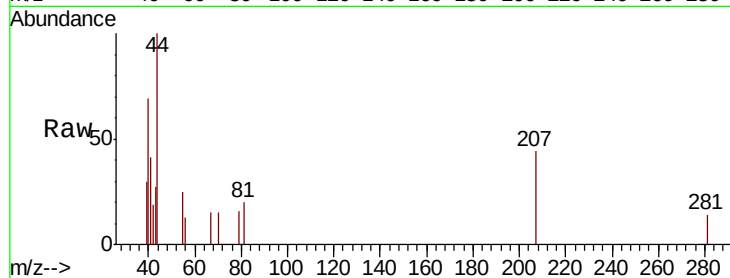
RB47199RTRE

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

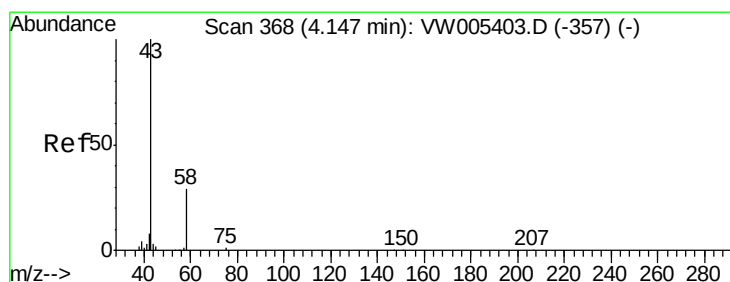
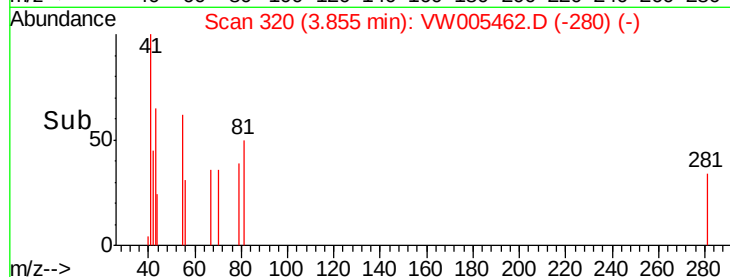
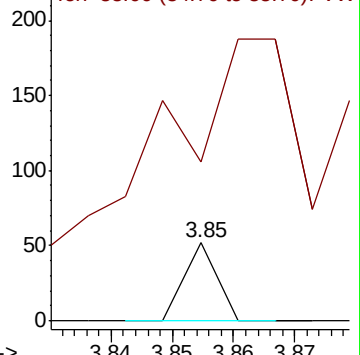
56 100

55 2236.8 59.8 89.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.17 min Scan# 371

Delta R.T. 0.02 min

Lab File: VW005462.D

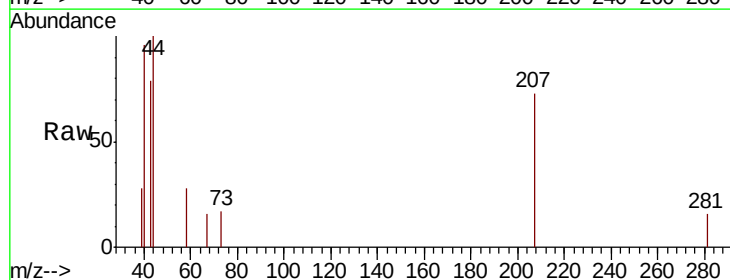
Acq: 18 Sep 2018 05:52

Tgt Ion: 43 Resp: 671

Ion Ratio Lower Upper

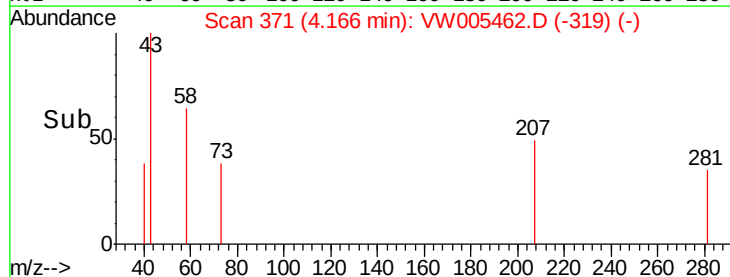
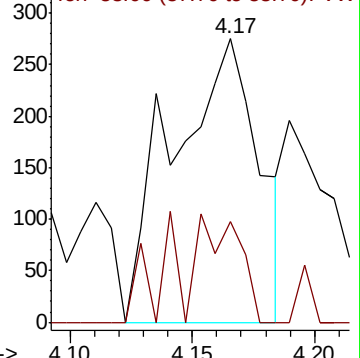
43 100

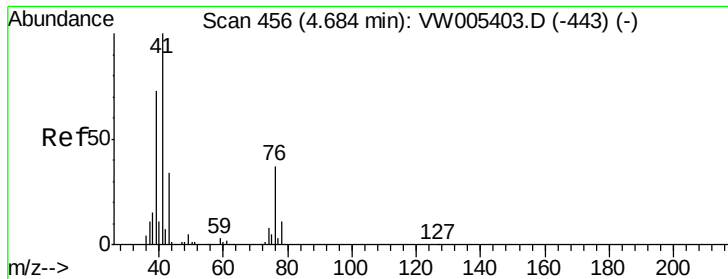
58 35.6 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

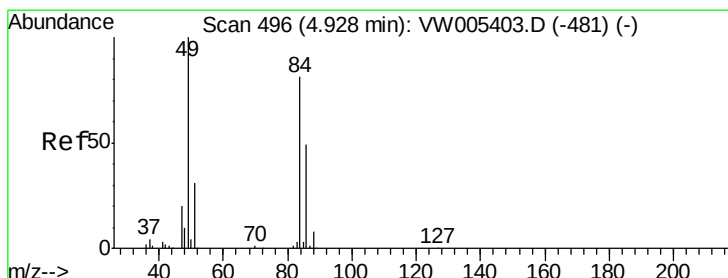
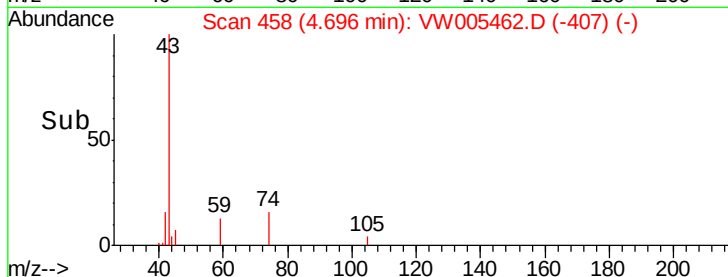
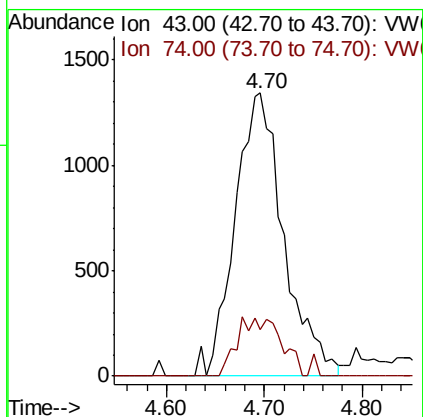
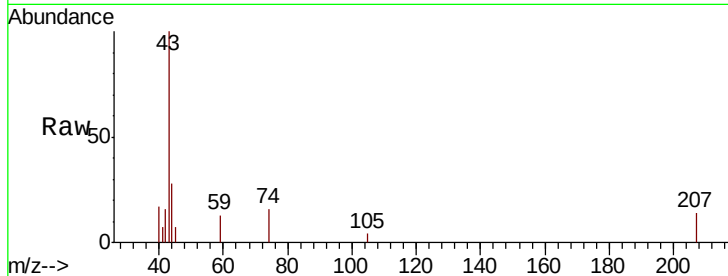




#18
Methyl Acetate
Concen: 3.539 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW005462.D
Acq: 18 Sep 2018 05:52

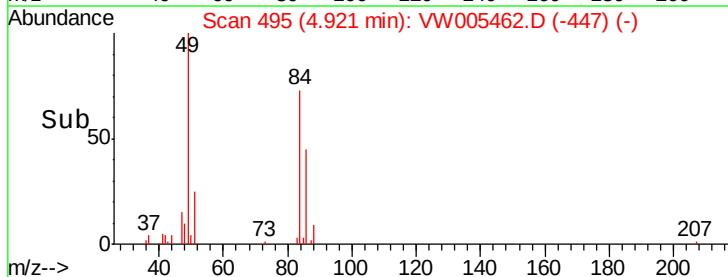
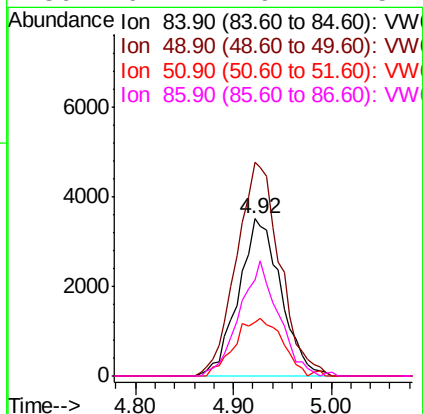
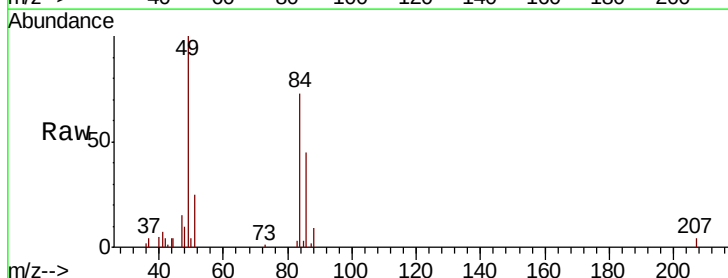
Instrument :
MSVOA_W
ClientSampleId :
RB47199RTRE

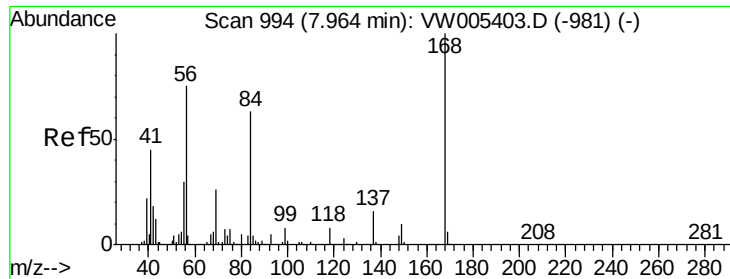
Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
74 10.3 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005462.D
Acq: 18 Sep 2018 05:52

Tgt Ion: 84 Resp: 10613
Ion Ratio Lower Upper
84 100
49 136.1 99.3 148.9
51 34.7 31.1 46.7
86 61.2 49.1 73.7

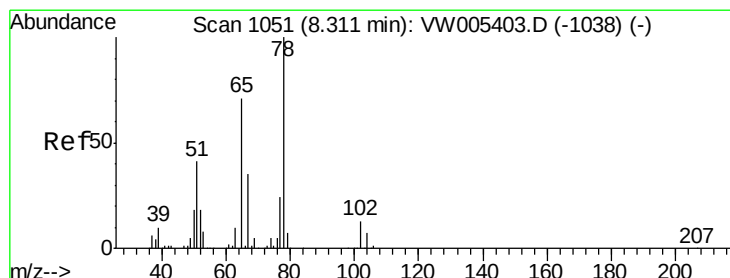
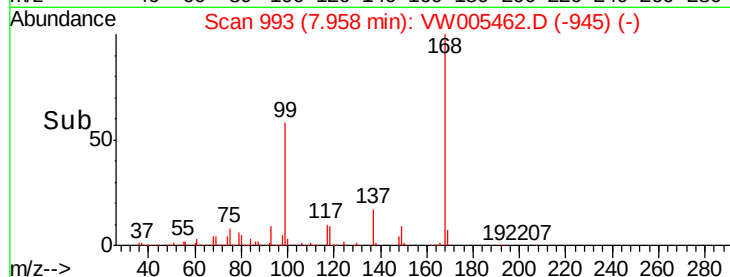
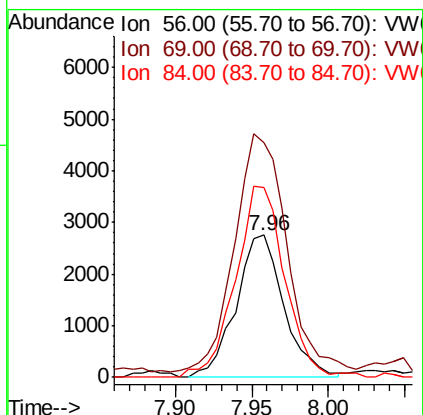
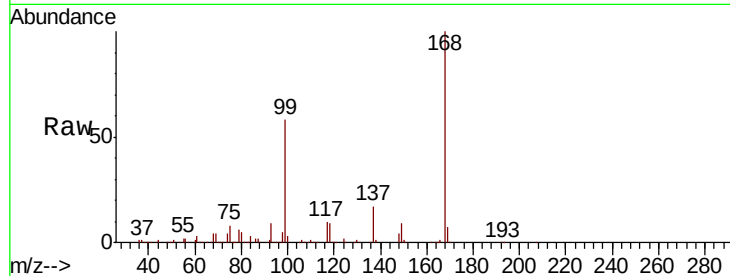




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005462.D
Acq: 18 Sep 2018 05:52

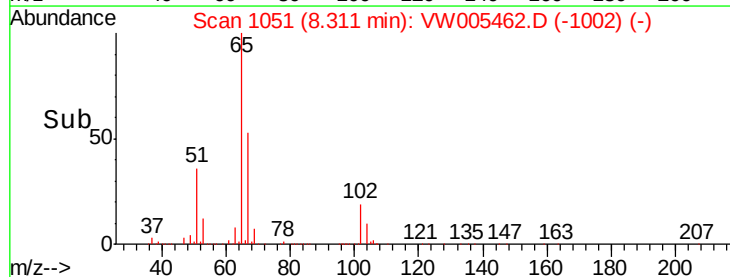
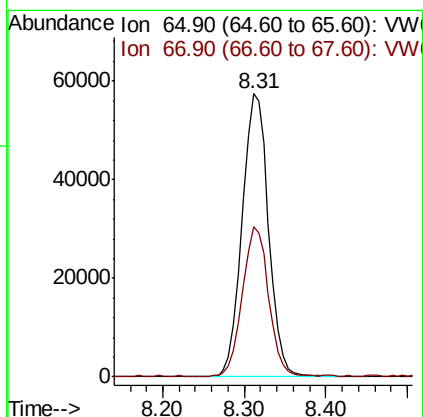
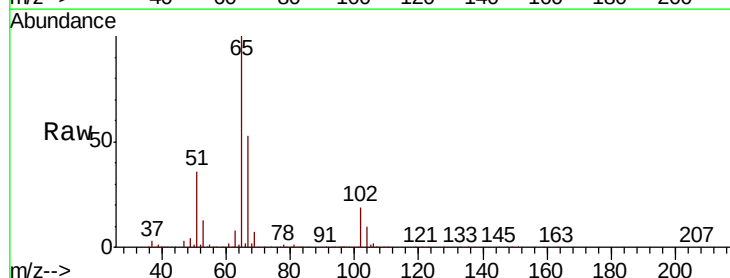
Instrument :
MSVOA_W
ClientSampleId :
RB47199RTRE

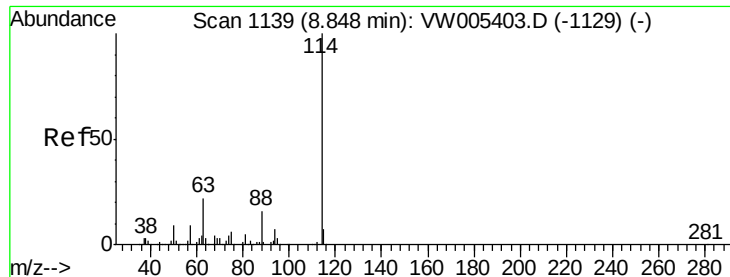
Tgt Ion: 56 Resp: 5995
Ion Ratio Lower Upper
56 100
69 158.2 27.2 40.8#
84 130.7 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 46.936 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005462.D
Acq: 18 Sep 2018 05:52

Tgt Ion: 65 Resp: 128838
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.6

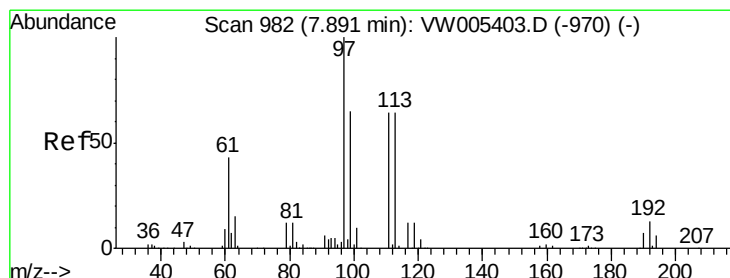
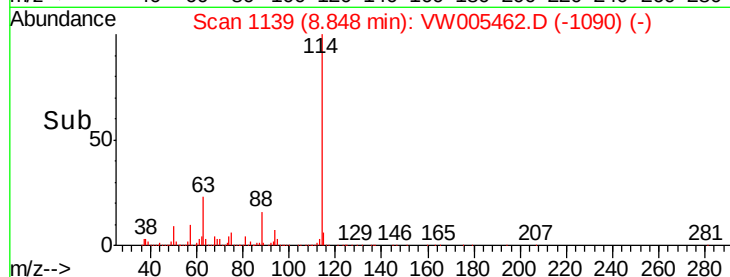
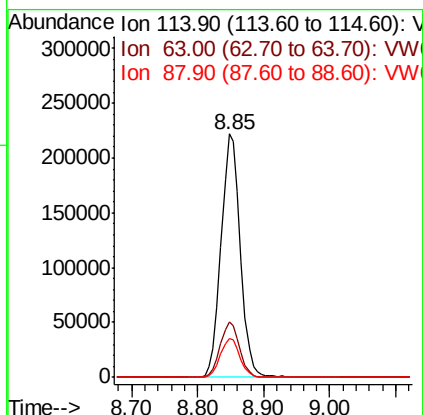
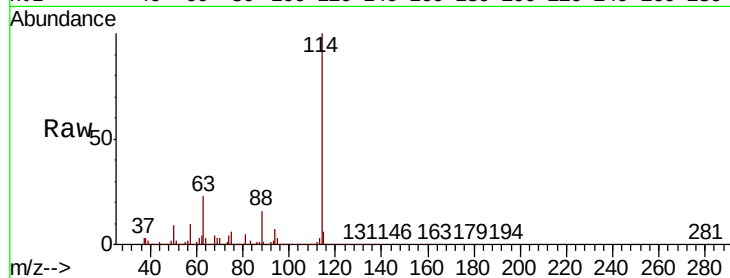




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005462.D
 Acq: 18 Sep 2018 05:52

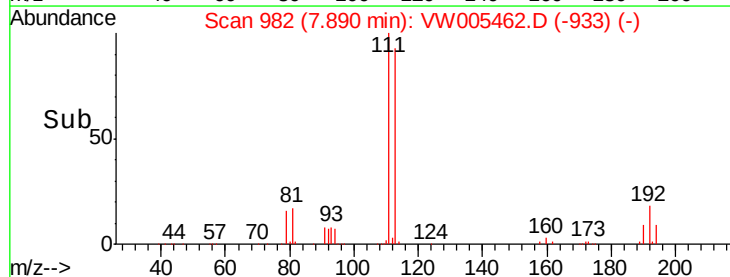
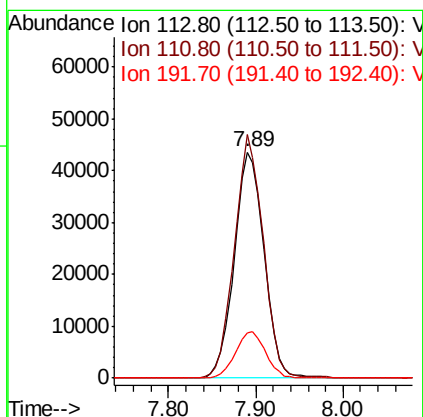
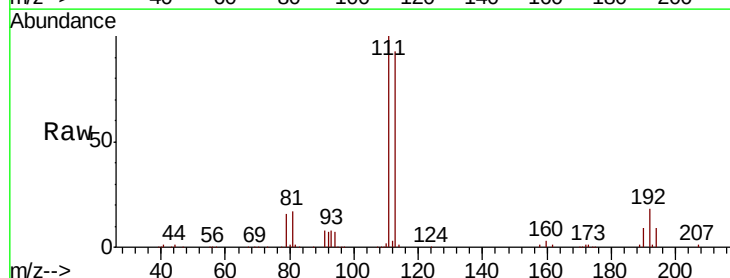
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47199RTRE

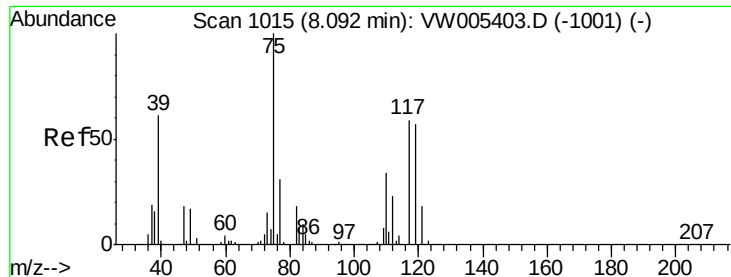
Tgt Ion:114 Resp: 446397
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.1 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 41.238 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005462.D
 Acq: 18 Sep 2018 05:52

Tgt Ion:113 Resp: 103213
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.3 123.5
 192 20.6 16.5 24.7

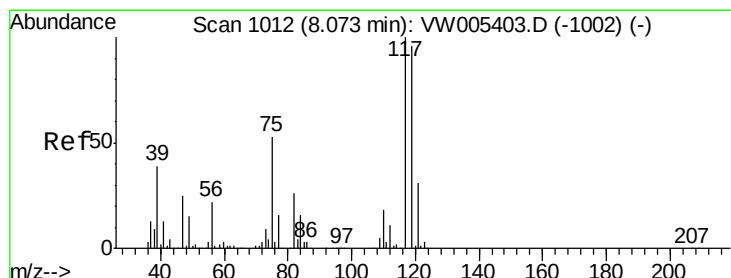
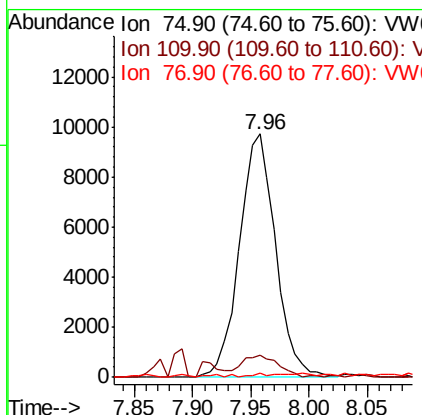
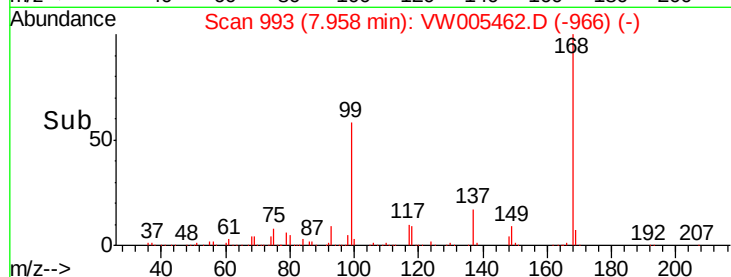
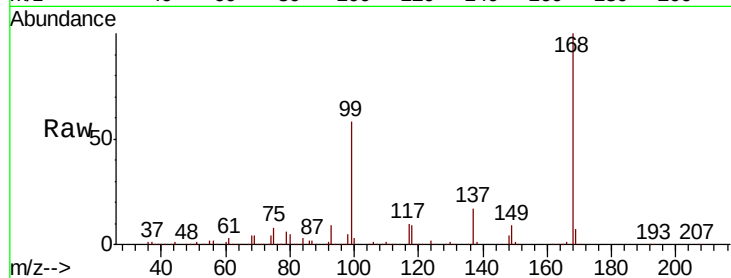




#36
 1,1-Dichloropropene
 Concen: 4.997 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005462.D
 Acq: 18 Sep 2018 05:52

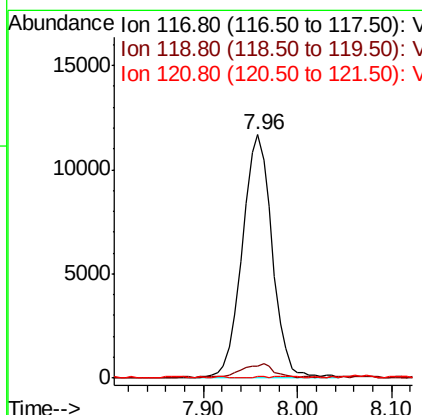
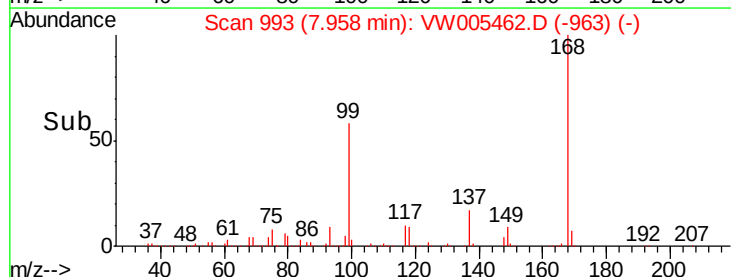
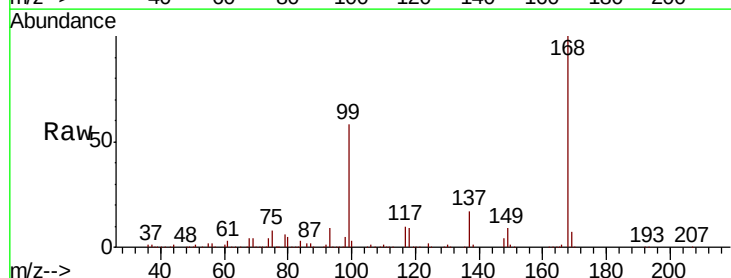
Instrument :
 MSVOA_W
 ClientSampleId :
 RB47199RTRE

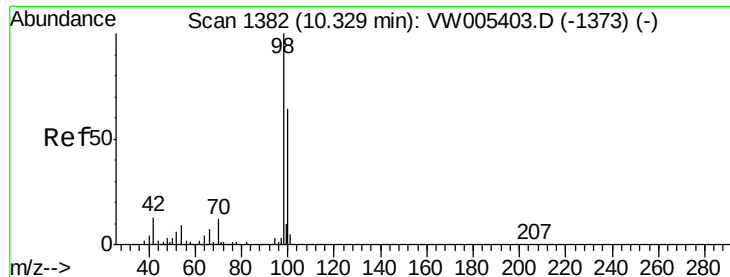
Tgt Ion: 75 Resp: 21111
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.8 50.4#
 77 0.8 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.931 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005462.D
 Acq: 18 Sep 2018 05:52

Tgt Ion: 117 Resp: 26109
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.8 115.2#
 121 0.7 24.7 37.1#





#50

Toluene-d8

Concen: 29.681 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

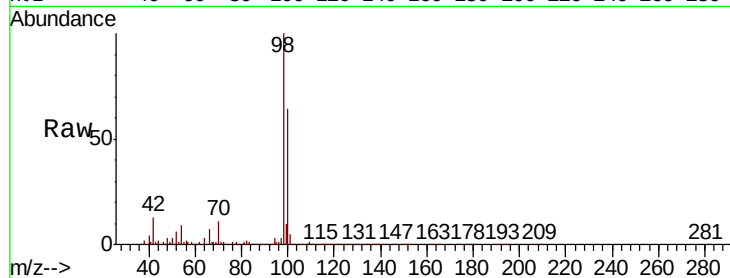
RB47199RTRE

Tgt Ion: 98 Resp: 340211

Ion Ratio Lower Upper

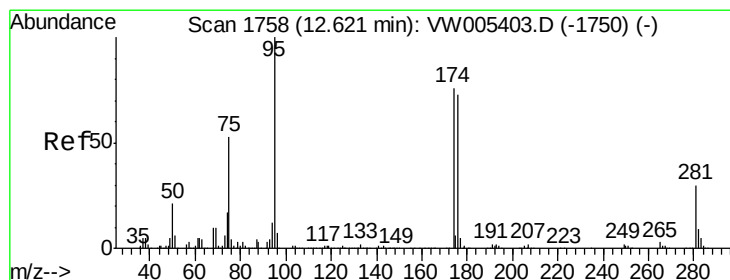
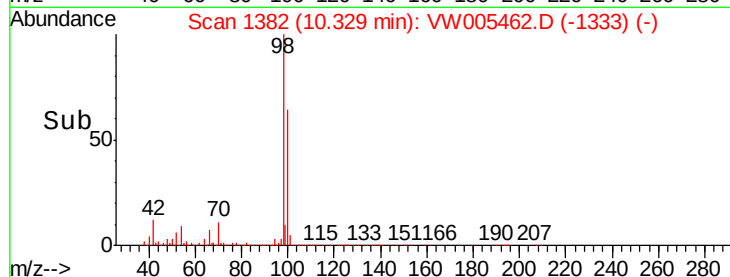
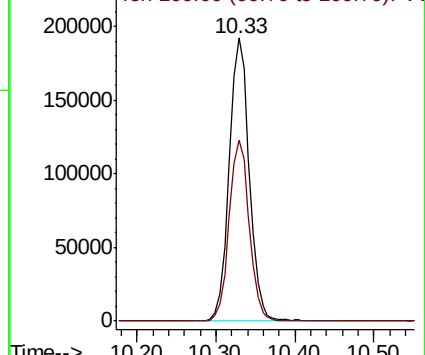
98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 28.578 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

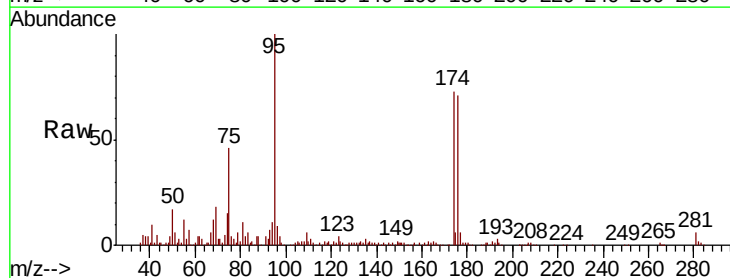
Tgt Ion: 95 Resp: 120105

Ion Ratio Lower Upper

95 100

174 72.5 0.0 161.2

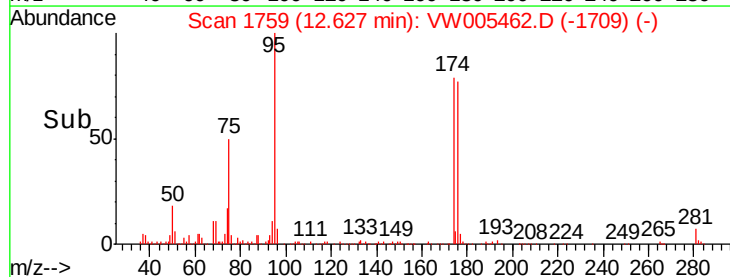
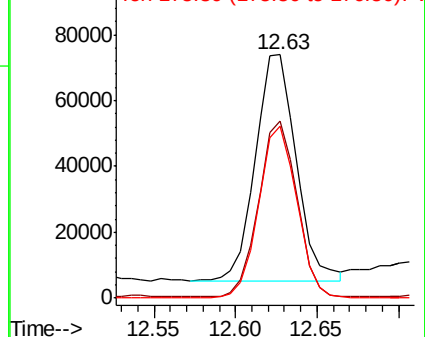
176 70.6 0.0 156.6

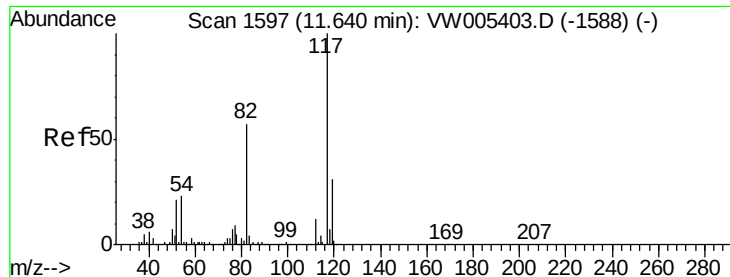


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

RB47199RTRE

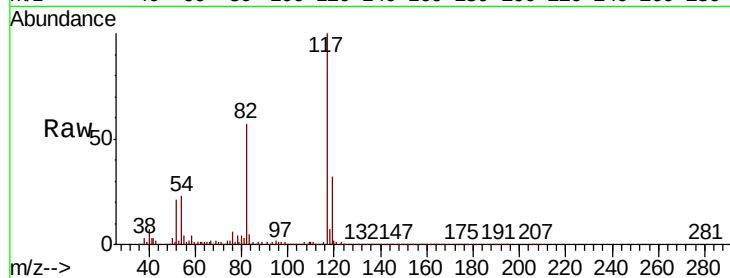
Tgt Ion:117 Resp: 349917

Ion Ratio Lower Upper

117 100

82 57.0 45.9 68.9

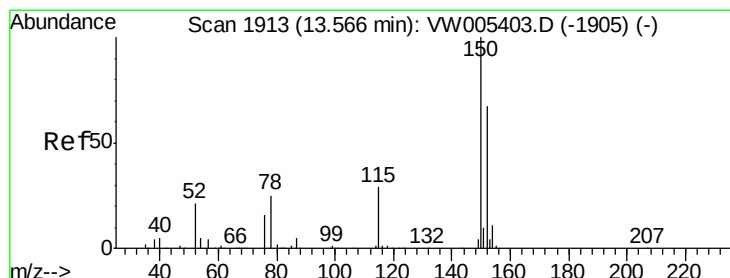
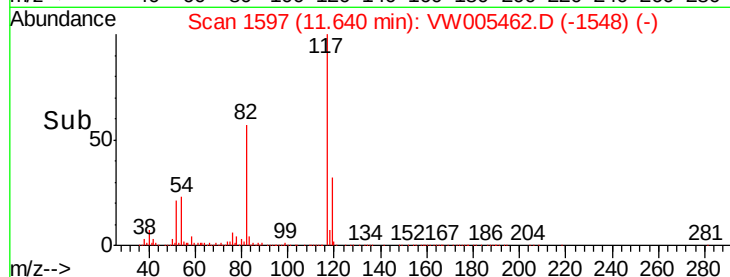
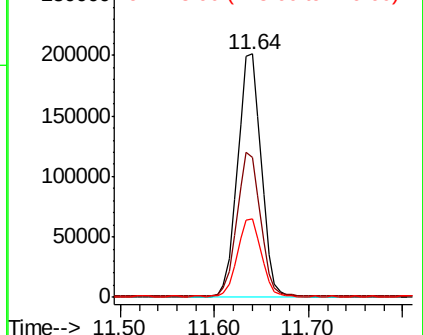
119 32.1 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

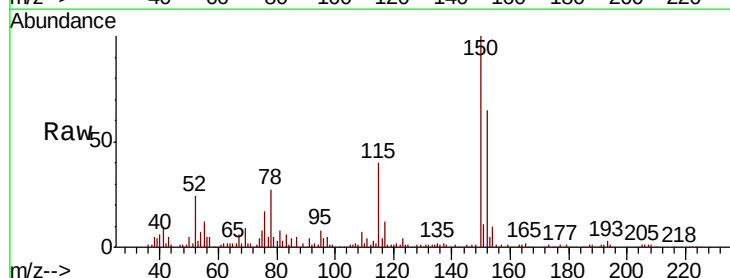
Tgt Ion:152 Resp: 114469

Ion Ratio Lower Upper

152 100

115 59.6 29.5 88.5

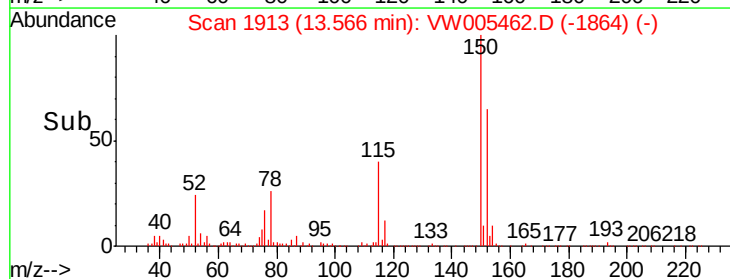
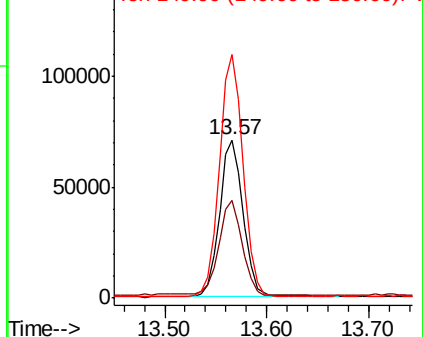
150 153.9 0.0 345.6

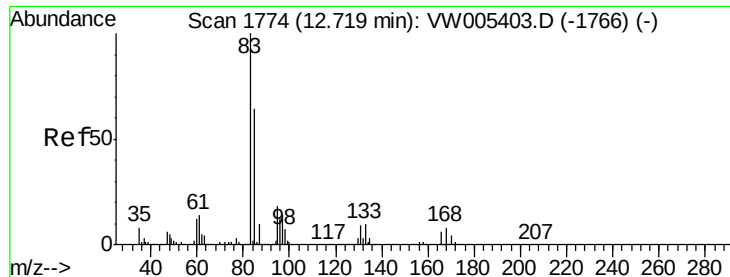


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.137 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

RB47199RTRE

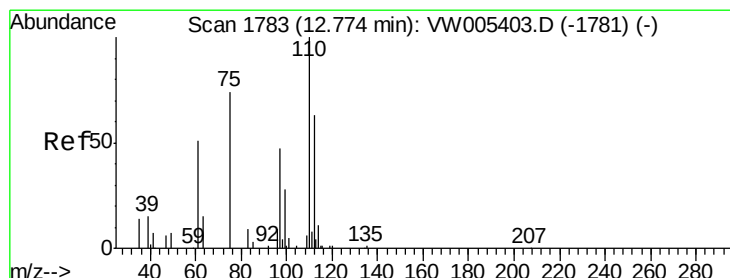
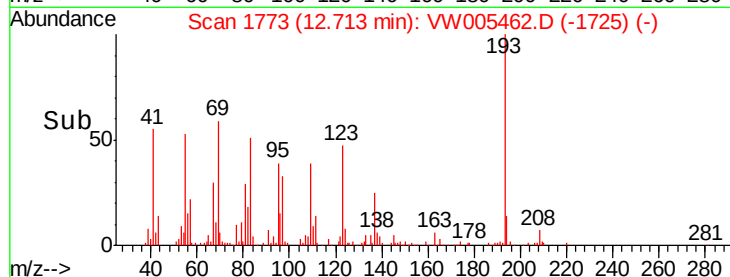
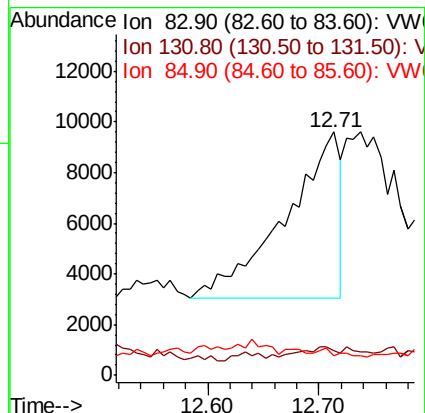
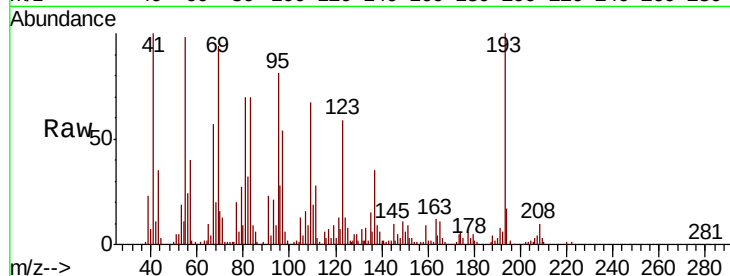
Tgt Ion: 83 Resp: 22420

Ion Ratio Lower Upper

83 100

131 3.8 5.7 17.1#

85 1.5 31.6 95.0#



#76

1,2,3-Trichloropropane

Concen: 62.070 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005462.D

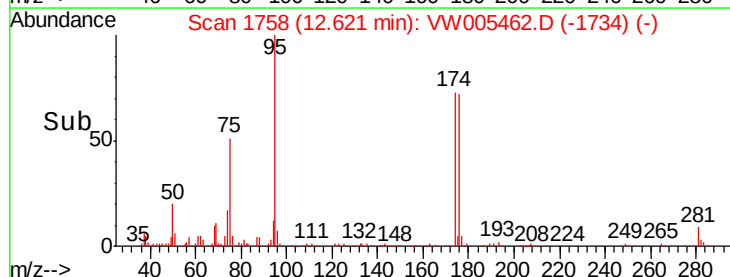
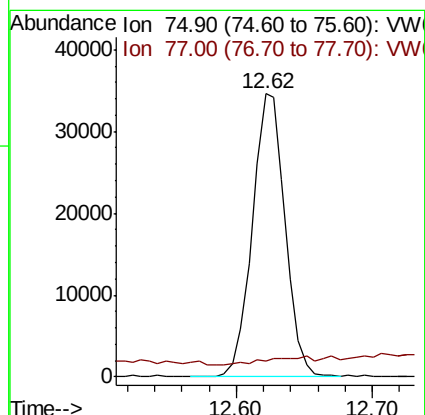
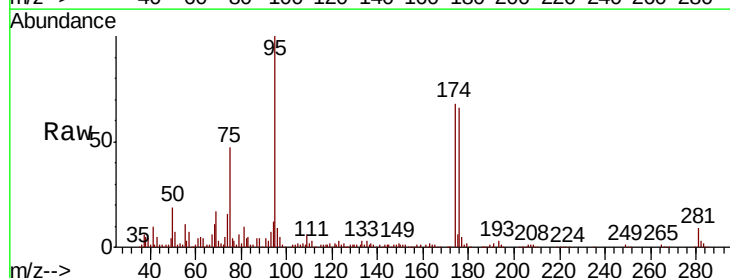
Acq: 18 Sep 2018 05:52

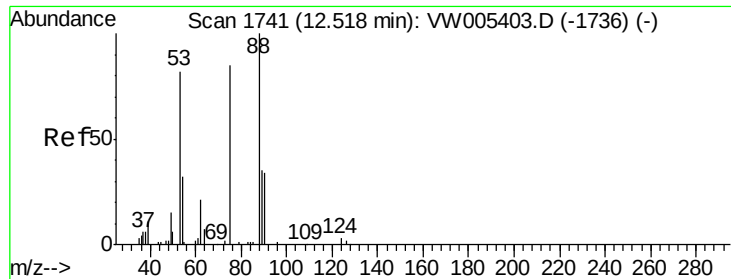
Tgt Ion: 75 Resp: 58438

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 161.014 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005462.D

Acq: 18 Sep 2018 05:52

Instrument :

MSVOA_W

ClientSampleId :

RB47199RTRE

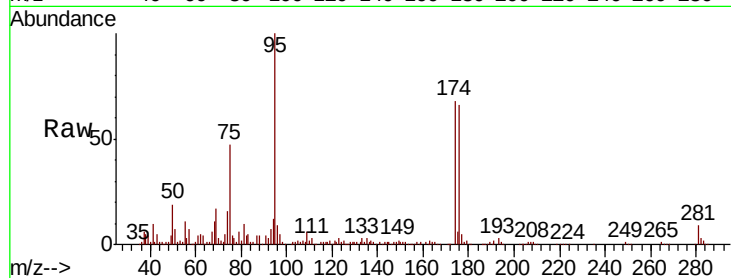
Tgt Ion: 75 Resp: 58438

Ion Ratio Lower Upper

75 100

53 0.0 83.2 124.8#

89 0.6 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

