

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005463.D
 Acq On : 18 Sep 2018 06:17
 Operator : SY/AP
 Sample : J4941-04RE
 Misc : 5.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47198RTRE

Quant Time: Sep 18 07:12:12 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	286801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	474349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	437876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134766	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
35) Dibromofluoromethane	7.89	113	112054	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
50) Toluene-d8	10.33	98	443842	36.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.88%	
62) 4-Bromofluorobenzene	12.63	95	157582	35.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.58%	

Target Compounds

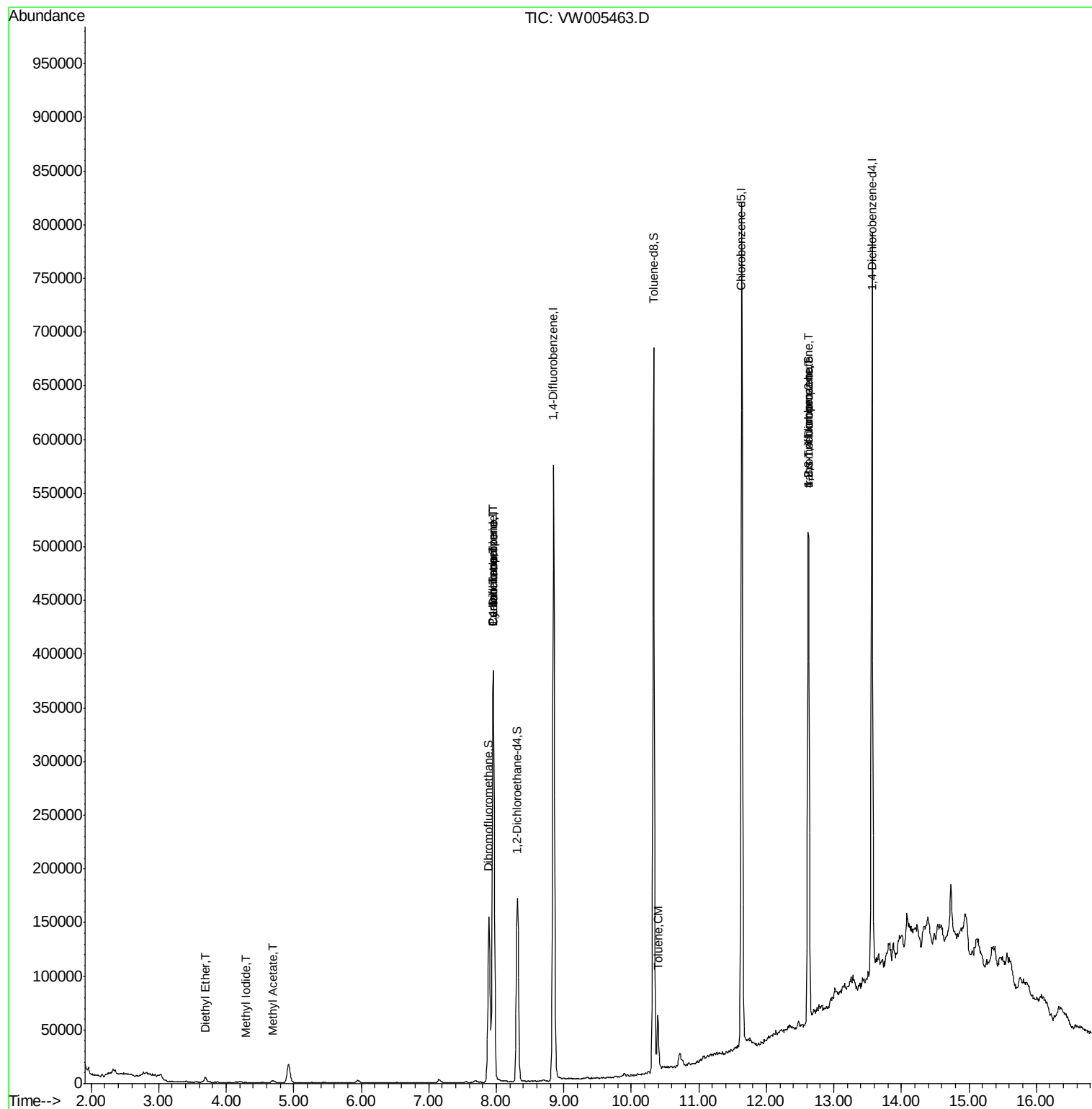
					Qvalue
2) Dichlorodifluoromethane	2.00	85	362	Below Cal	75
5) Bromomethane	2.79	94	488	Below Cal #	43
8) Diethyl Ether	3.69	74	2352	1.884 ug/l	72
10) Methyl Iodide	4.29	142	80	4.075 ug/l #	38
11) Tert butyl alcohol	5.20	59	183	Below Cal #	71
13) Acrolein	4.12	56	38	Below Cal #	12
16) Acetone	4.15	43	526	Below Cal #	75
18) Methyl Acetate	4.70	43	4084	2.855 ug/l #	83
20) Methylene Chloride	4.93	84	13027	Below Cal	97
31) Cyclohexane	7.95	56	6809	1.433 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23172	5.162 ug/l #	51
38) Carbon Tetrachloride	7.96	117	27703	5.922 ug/l #	16
52) Toluene	10.39	92	20211	2.295 ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	79587	55.633 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79587	144.315 ug/l #	9

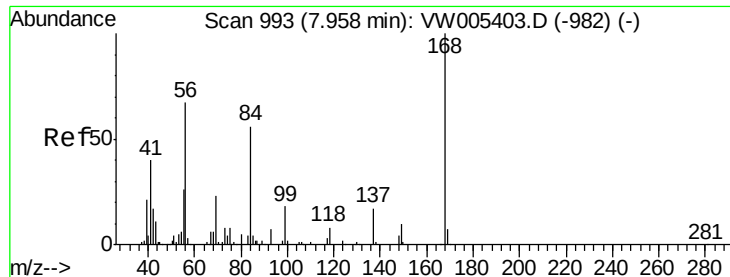
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

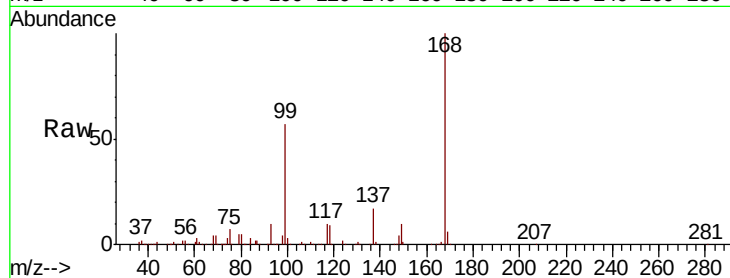
RB47198RTRE

Tgt Ion:168 Resp: 286801

Ion Ratio Lower Upper

168 100

99 56.6 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

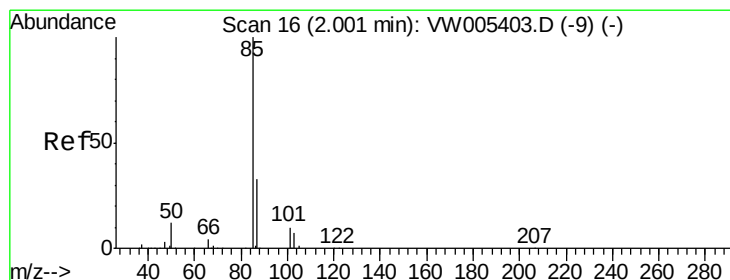
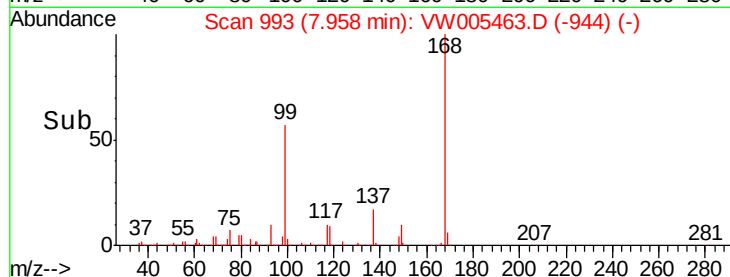
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005463.D

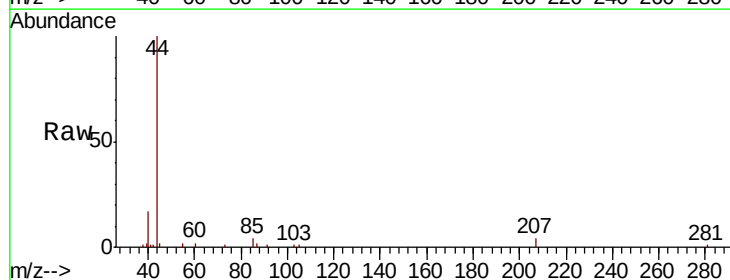
Acq: 18 Sep 2018 06:17

Tgt Ion: 85 Resp: 362

Ion Ratio Lower Upper

85 100

87 46.6 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

250

200

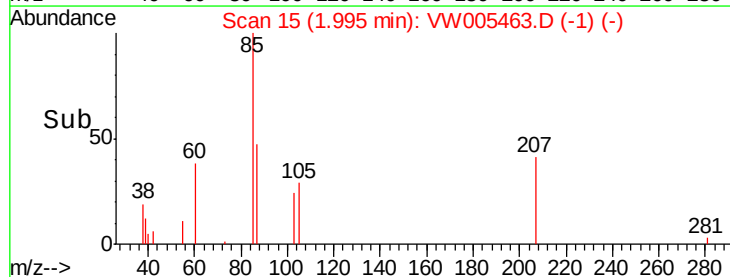
150

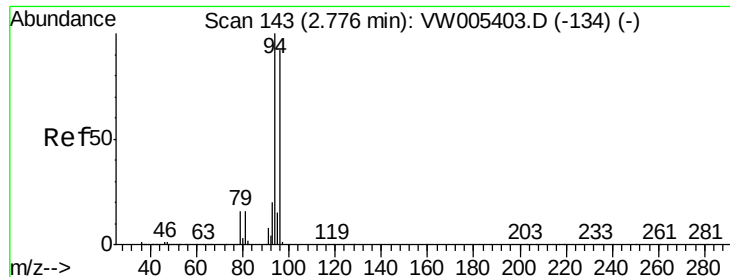
100

50

0

Time--> 1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

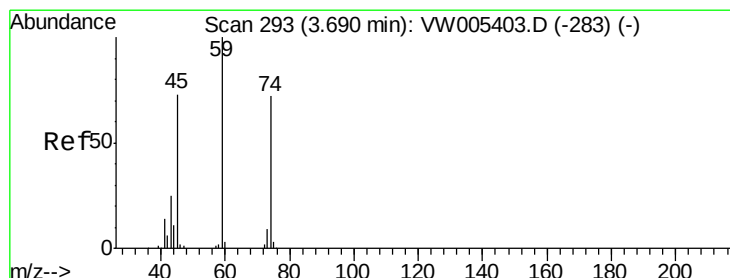
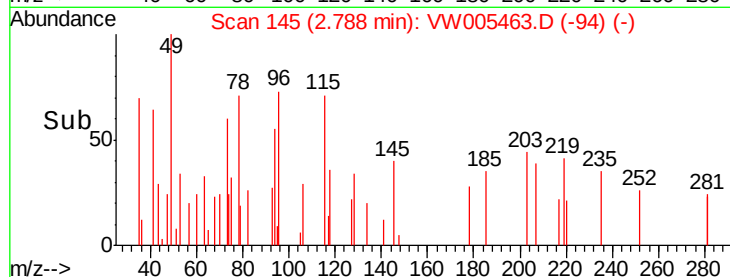
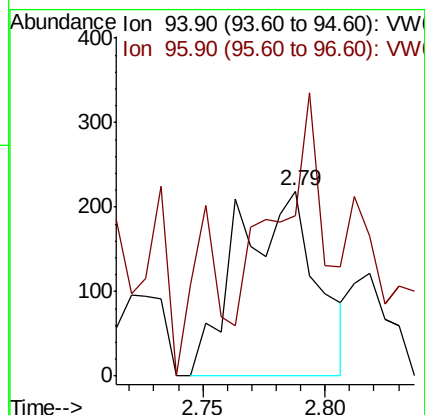
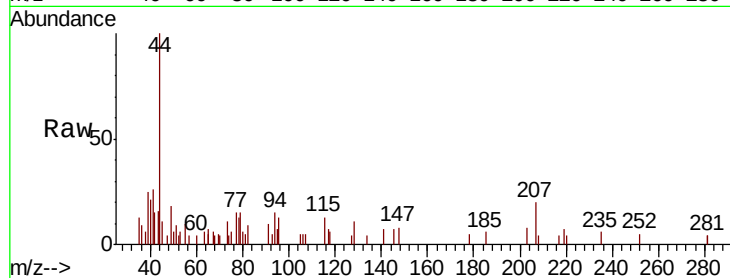
RB47198RTRE

Tgt Ion: 94 Resp: 488

Ion Ratio Lower Upper

94 100

96 37.4 73.7 110.5#



#8

Diethyl Ether

Concen: 1.884 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005463.D

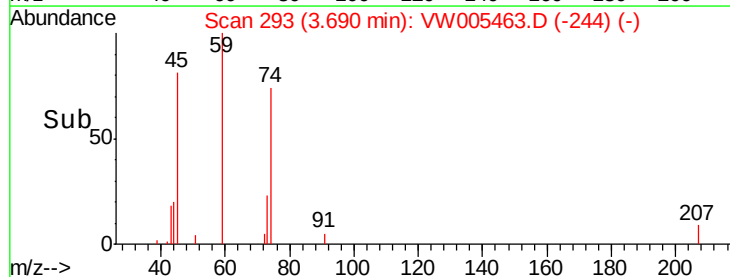
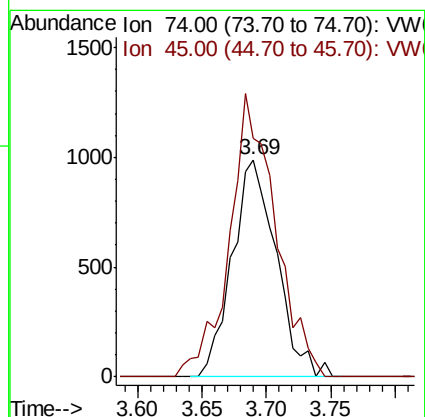
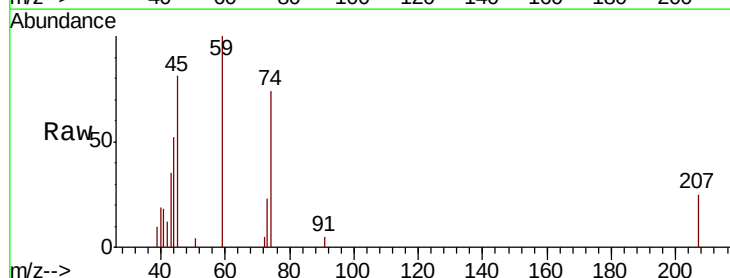
Acq: 18 Sep 2018 06:17

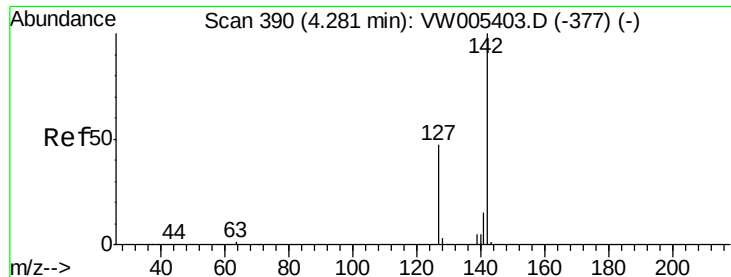
Tgt Ion: 74 Resp: 2352

Ion Ratio Lower Upper

74 100

45 135.6 53.1 159.3

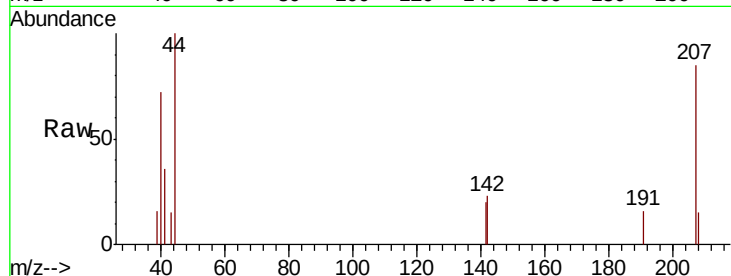




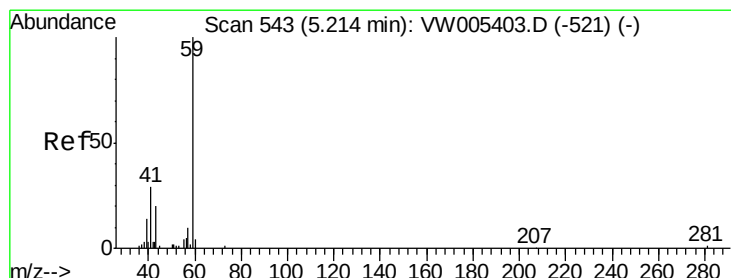
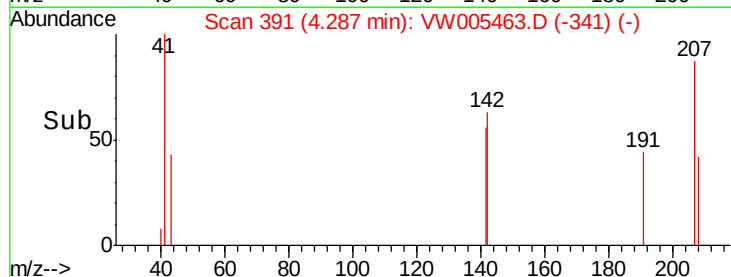
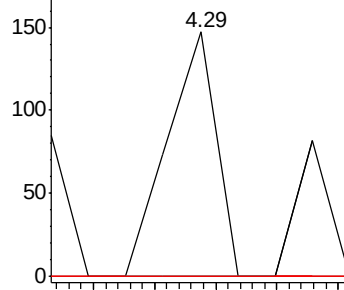
#10
Methyl Iodide
Concen: 4.075 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

Instrument :
MSVOA_W
ClientSampleId :
RB47198RTRE

Tgt Ion: 142 Resp: 80
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.4 18.6#

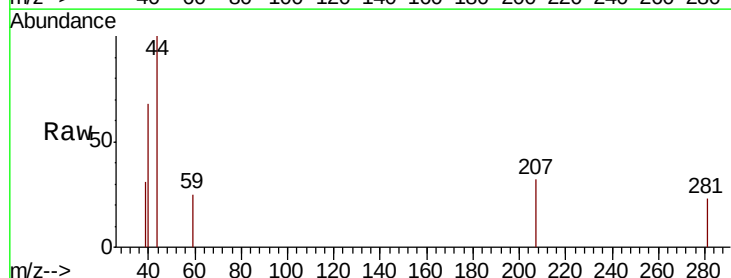


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

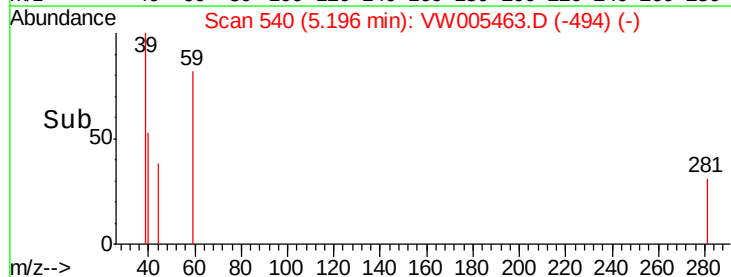
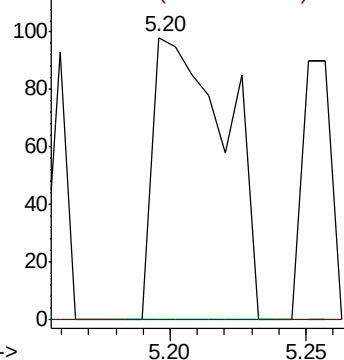


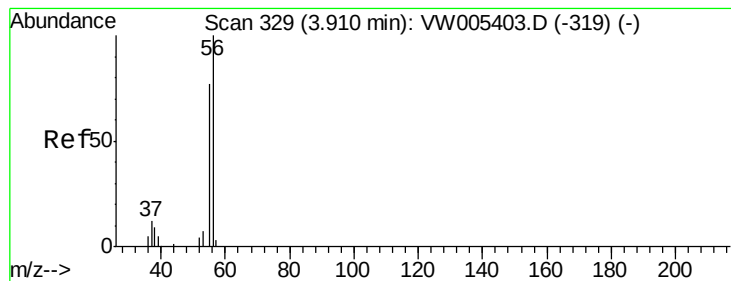
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

Tgt Ion: 59 Resp: 183
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





#13

Acrolein

Concen: Below Cal

RT: 4.12 min Scan# 363

Delta R.T. 0.21 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

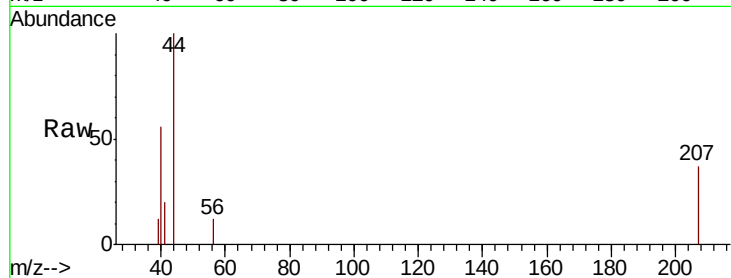
RB47198RTRE

Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

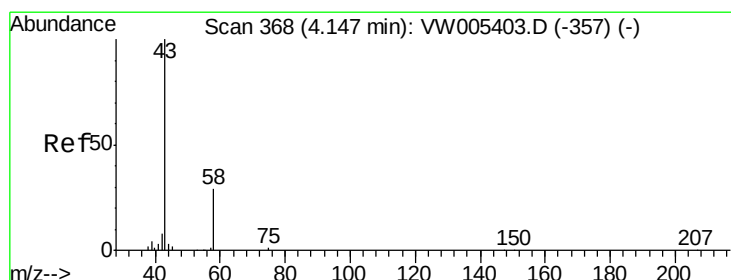
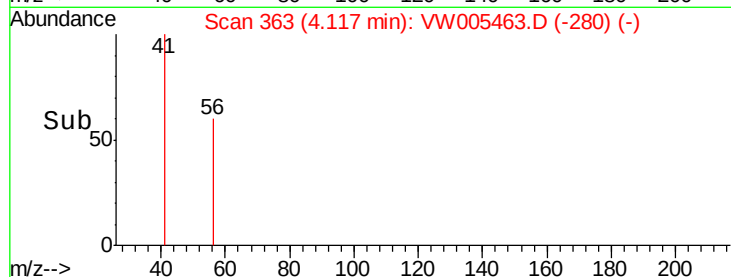
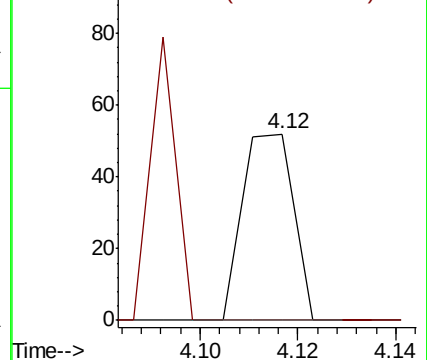
56 100

55 0.0 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: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005463.D

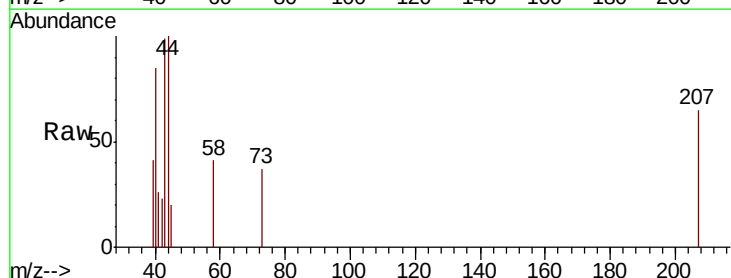
Acq: 18 Sep 2018 06:17

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

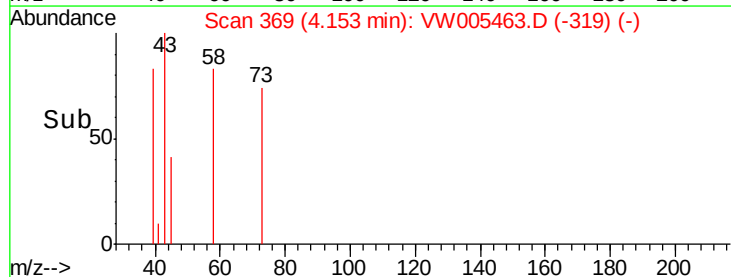
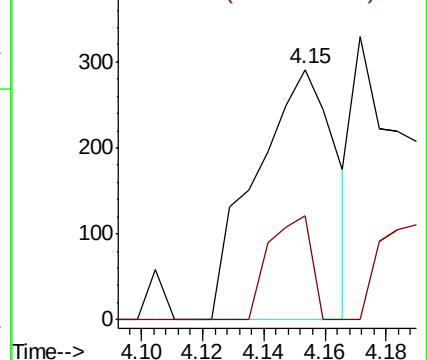
43 100

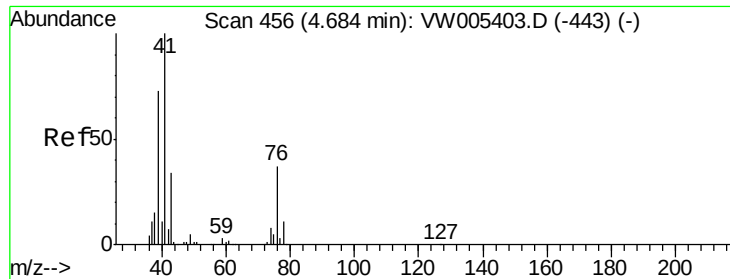
58 41.6 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

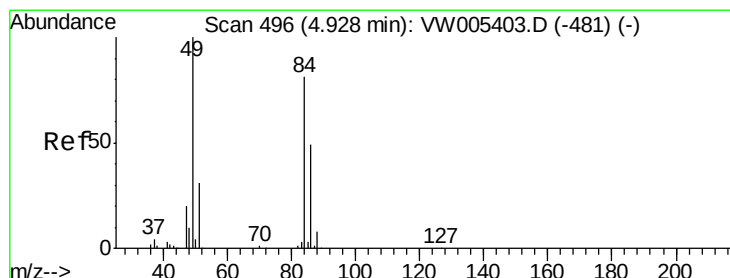
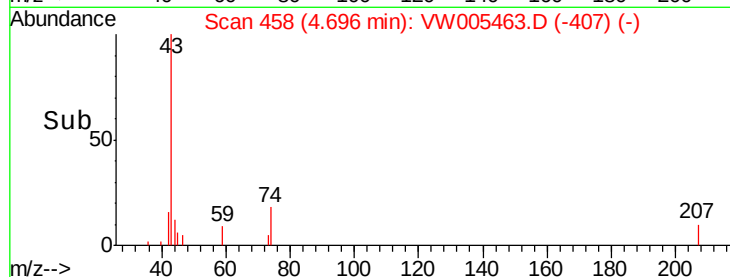
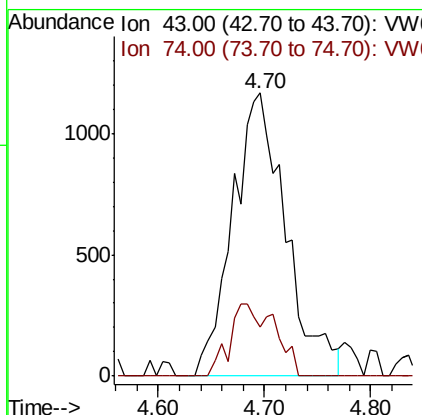
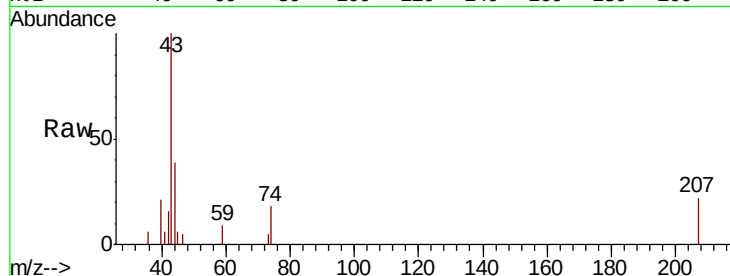




#18
Methyl Acetate
Concen: 2.855 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

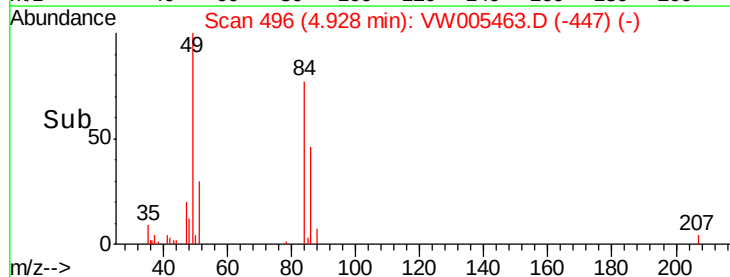
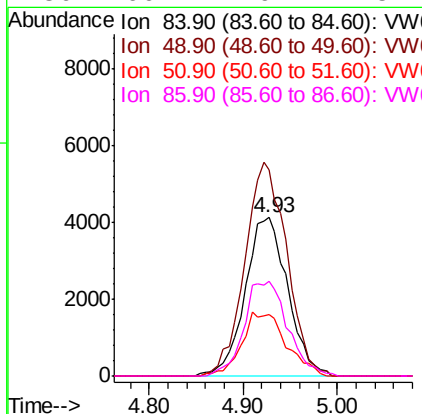
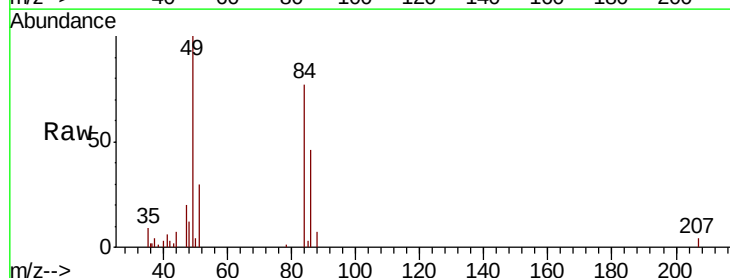
Instrument :
MSVOA_W
ClientSampleId :
RB47198RTRE

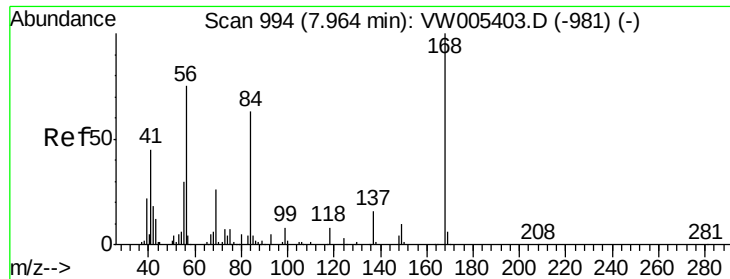
Tgt Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
74 13.8 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

Tgt Ion: 84 Resp: 13027
Ion Ratio Lower Upper
84 100
49 129.9 99.3 148.9
51 38.5 31.1 46.7
86 60.2 49.1 73.7

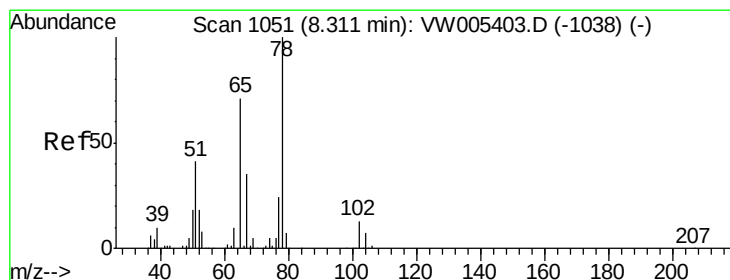
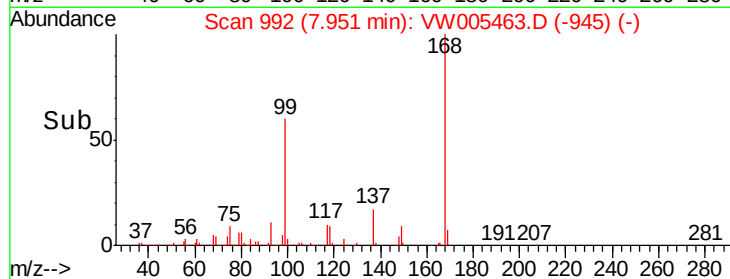
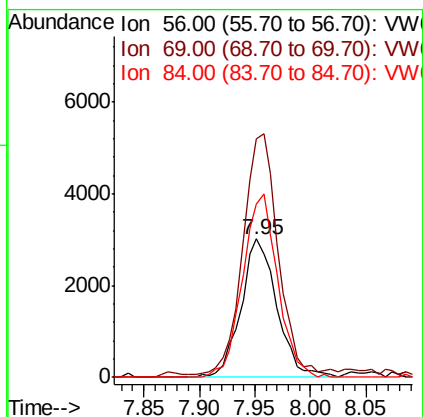
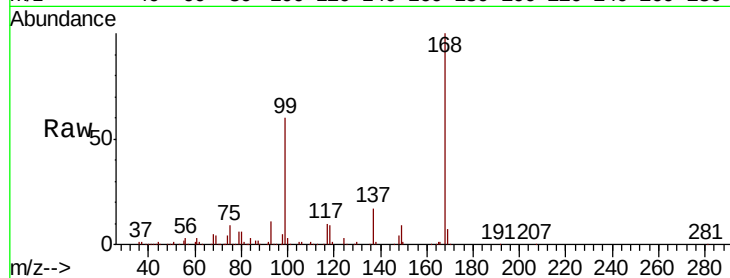




#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

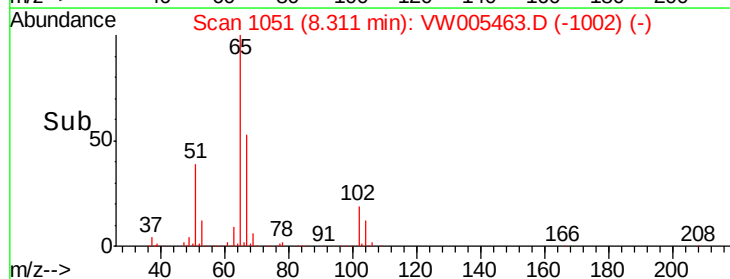
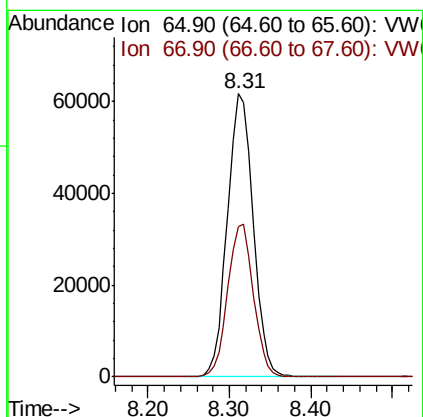
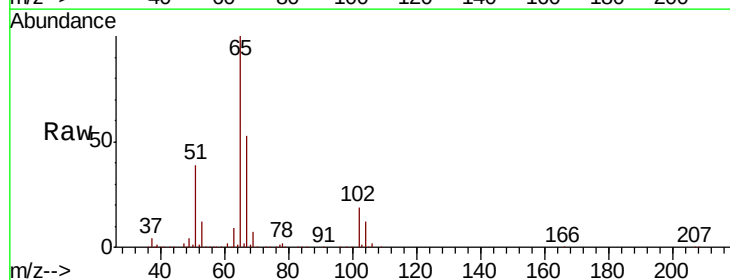
Instrument :
MSVOA_W
ClientSampleId :
RB47198RTRE

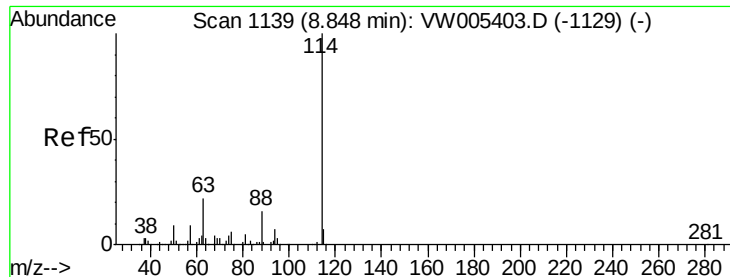
Tgt Ion: 56 Resp: 6809
Ion Ratio Lower Upper
56 100
69 170.8 27.2 40.8#
84 125.6 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 45.269 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

Tgt Ion: 65 Resp: 134766
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.6

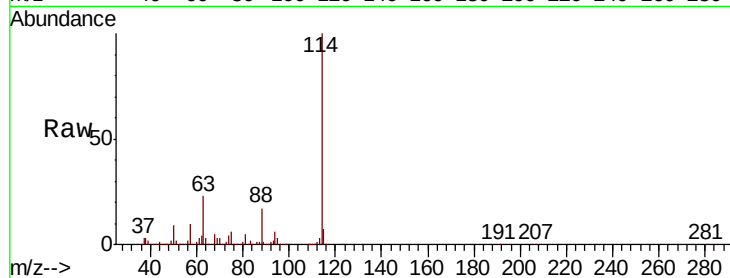




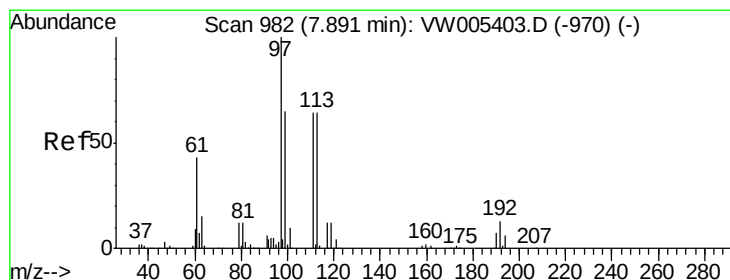
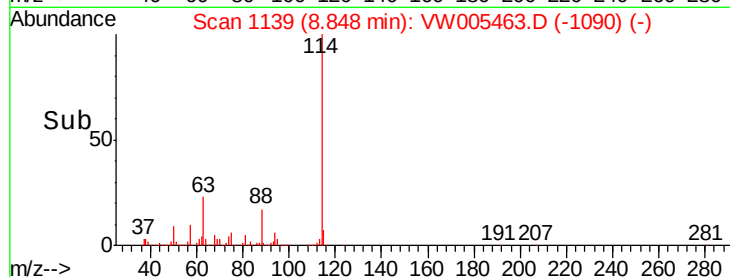
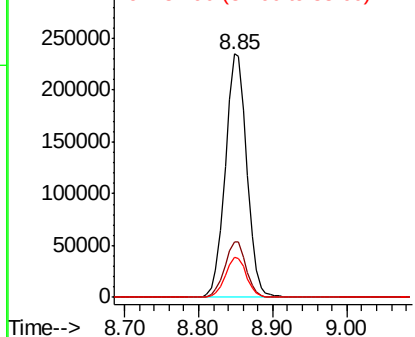
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005463.D
 Acq: 18 Sep 2018 06:17

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47198RTRE

Tgt Ion:114 Resp: 474349
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.5 0.0 31.8

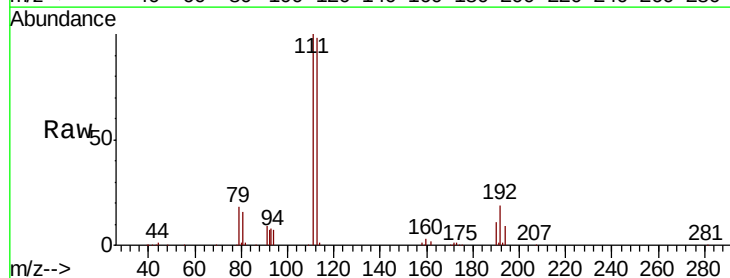


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

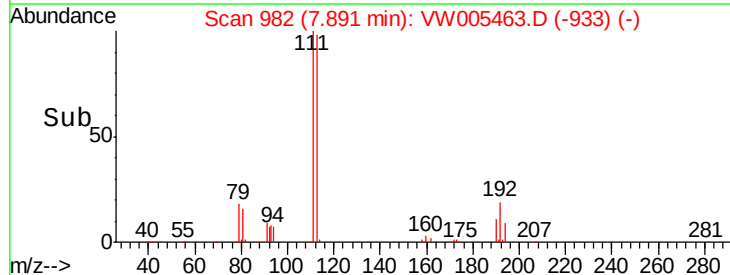
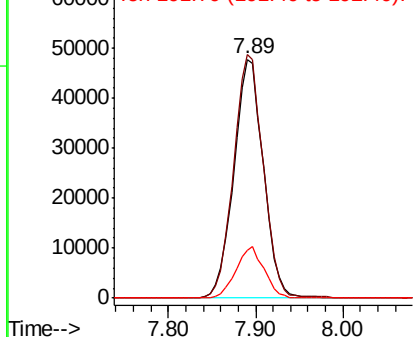


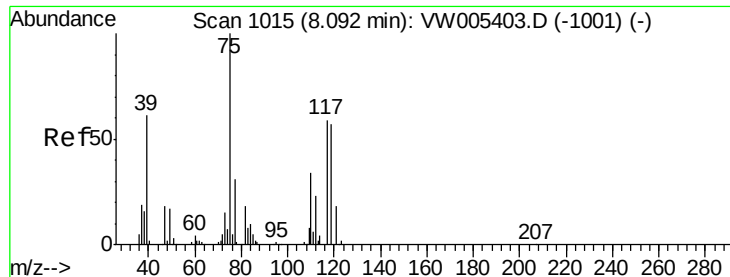
#35
 Dibromofluoromethane
 Concen: 42.132 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005463.D
 Acq: 18 Sep 2018 06:17

Tgt Ion:113 Resp: 112054
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.3 123.5
 192 20.5 16.5 24.7



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

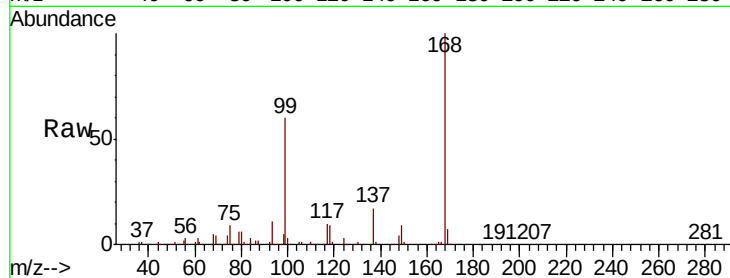




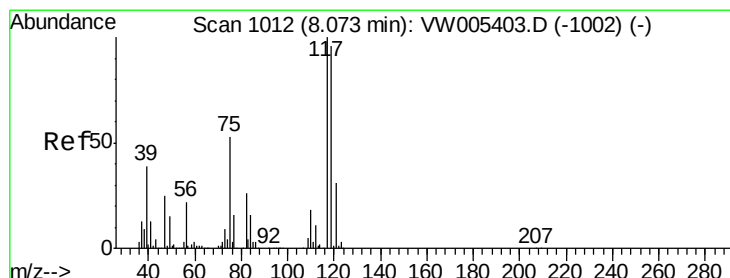
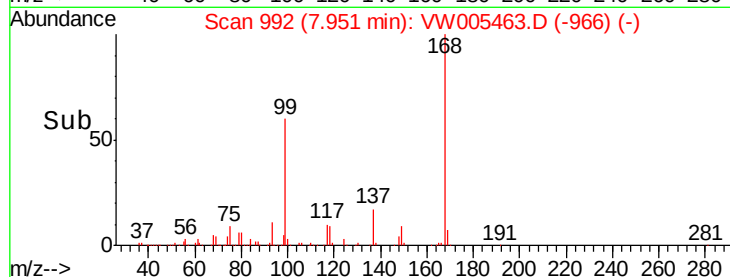
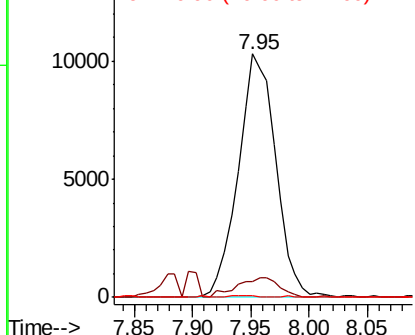
#36
 1,1-Dichloropropene
 Concen: 5.162 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005463.D
 Acq: 18 Sep 2018 06:17

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47198RTRE

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.8	50.4#
77	0.4	24.2	36.4#

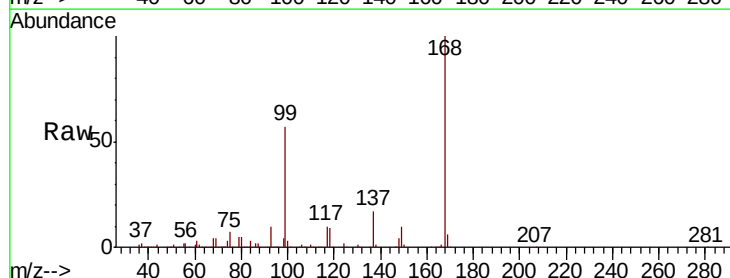


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

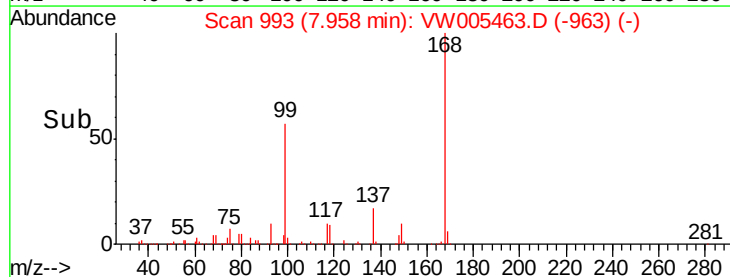
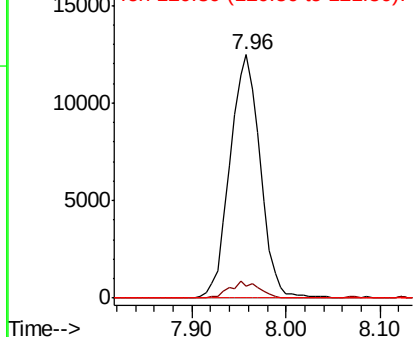


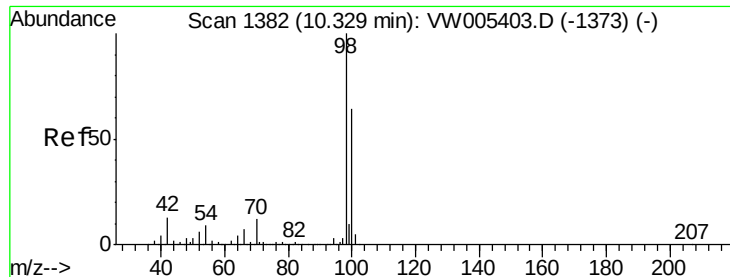
#38
 Carbon Tetrachloride
 Concen: 5.922 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005463.D
 Acq: 18 Sep 2018 06:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.8	115.2#
121	0.0	24.7	37.1#



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: 36.441 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

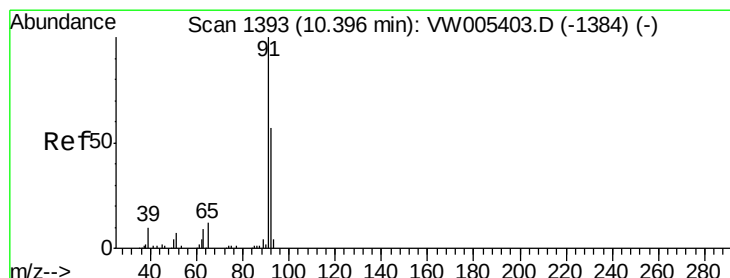
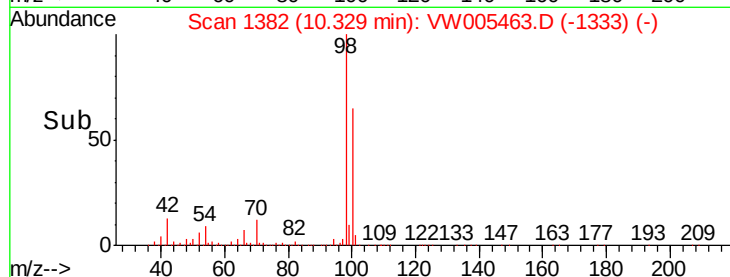
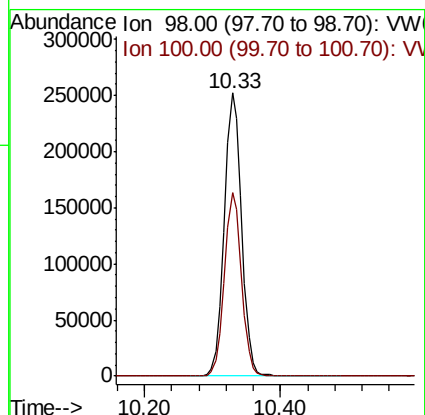
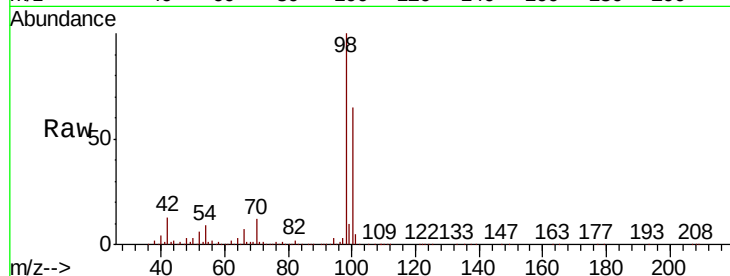
RB47198RTRE

Tgt Ion: 98 Resp: 443842

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



#52

Toluene

Concen: 2.295 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005463.D

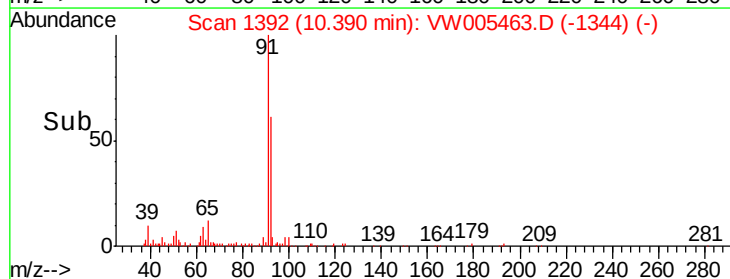
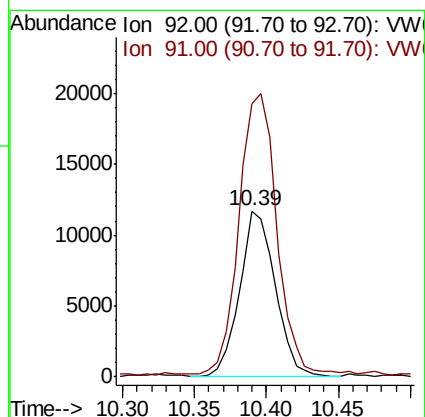
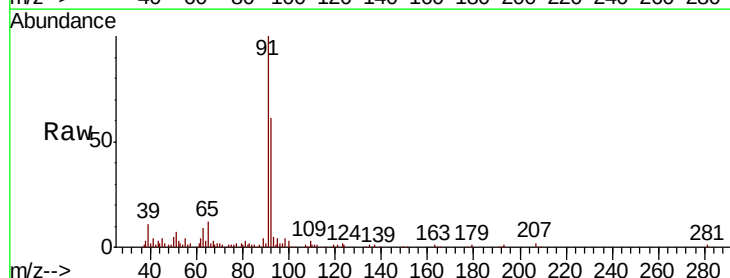
Acq: 18 Sep 2018 06:17

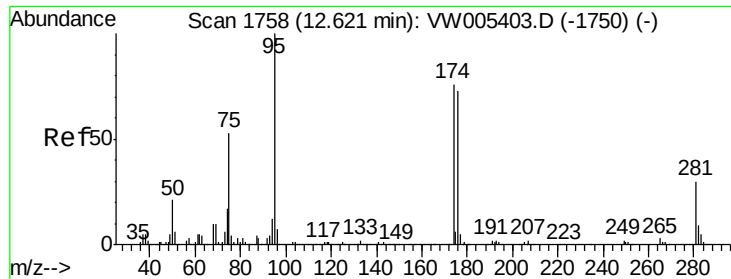
Tgt Ion: 92 Resp: 20211

Ion Ratio Lower Upper

92 100

91 178.8 139.1 208.7

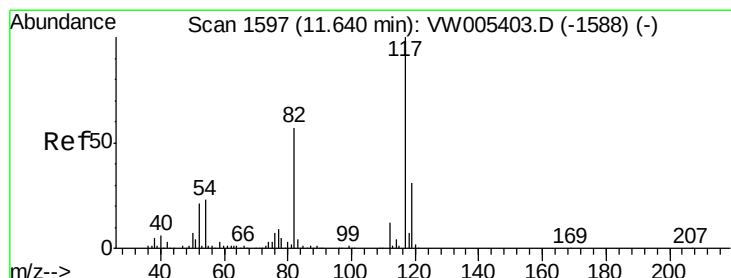
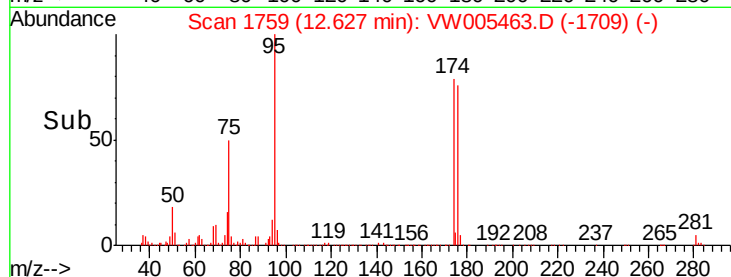
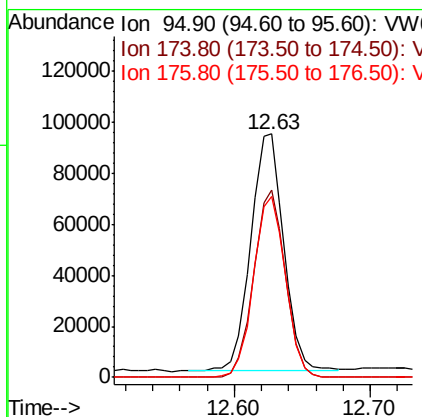
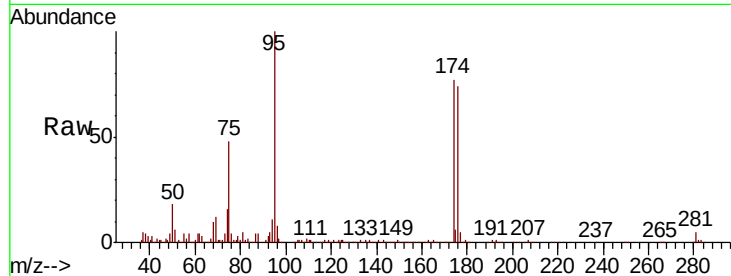




#62
4-Bromofluorobenzene
Concen: 35.285 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

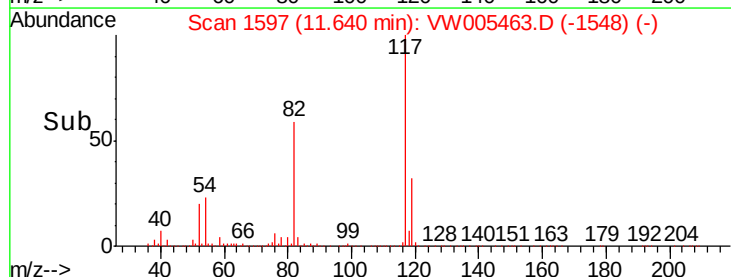
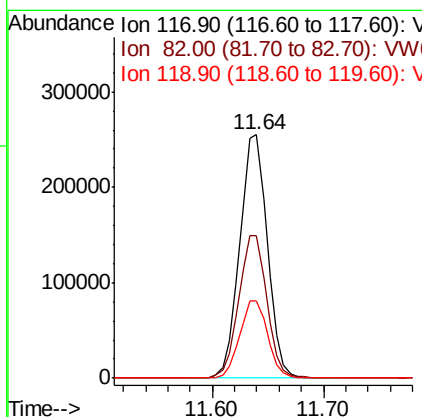
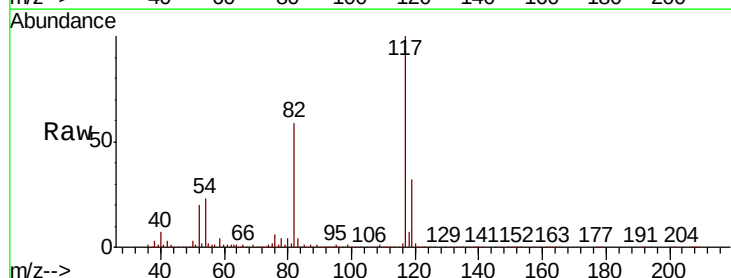
Instrument :
MSVOA_W
ClientSampleId :
RB47198RTRE

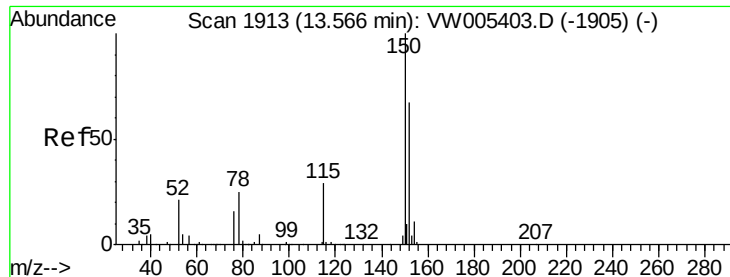
Tgt Ion: 95 Resp: 157582
Ion Ratio Lower Upper
95 100
174 75.9 0.0 161.2
176 74.1 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005463.D
Acq: 18 Sep 2018 06:17

Tgt Ion: 117 Resp: 437876
Ion Ratio Lower Upper
117 100
82 58.6 45.9 68.9
119 31.7 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

RB47198RTRE

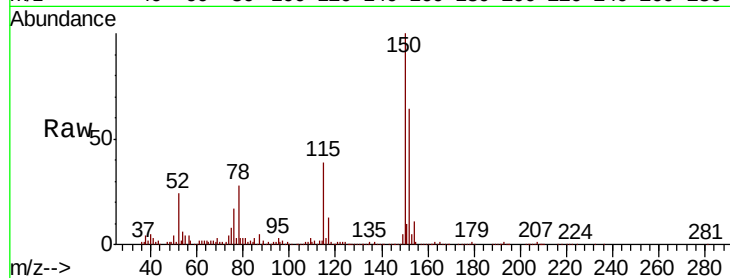
Tgt Ion:152 Resp: 173935

Ion Ratio Lower Upper

152 100

115 59.8 29.5 88.5

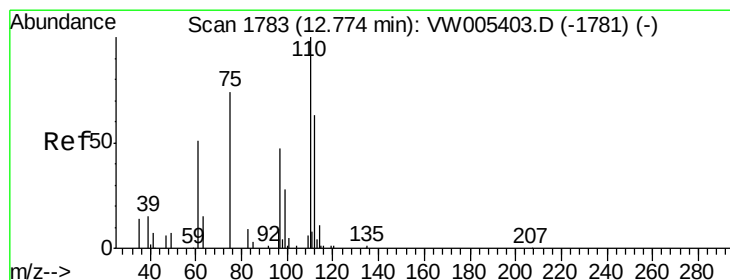
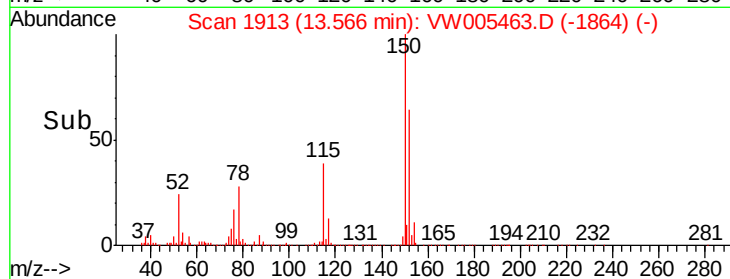
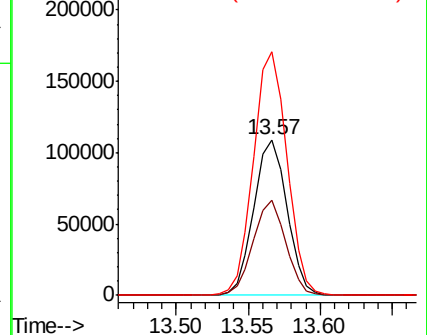
150 157.1 0.0 345.6



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



#76

1,2,3-Trichloropropane

Concen: 55.633 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005463.D

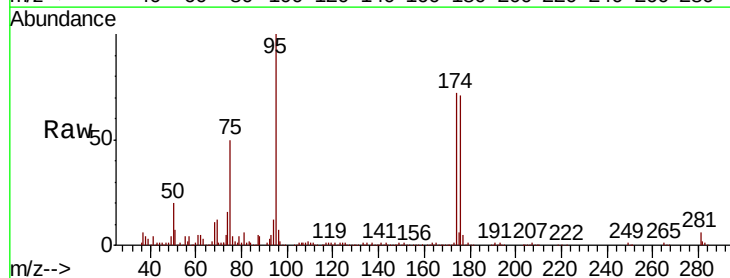
Acq: 18 Sep 2018 06:17

Tgt Ion: 75 Resp: 79587

Ion Ratio Lower Upper

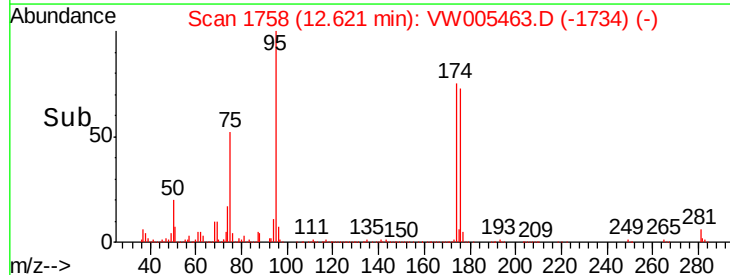
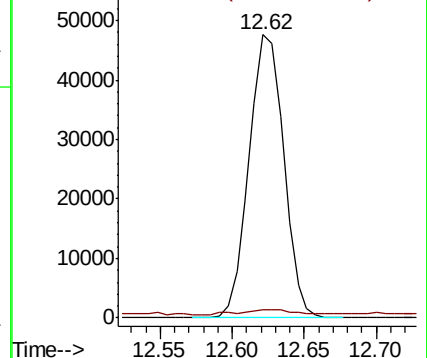
75 100

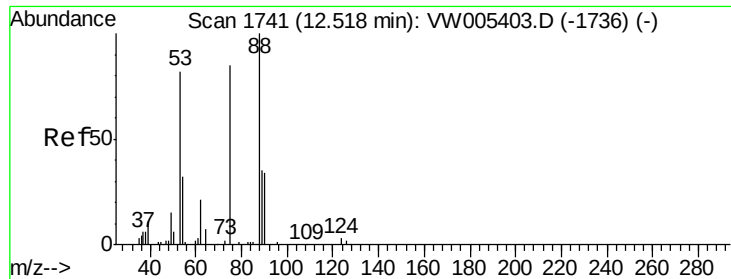
77 2.3 0.0 0.0#



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: 144.315 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005463.D

Acq: 18 Sep 2018 06:17

Instrument :

MSVOA_W

ClientSampleId :

RB47198RTRE

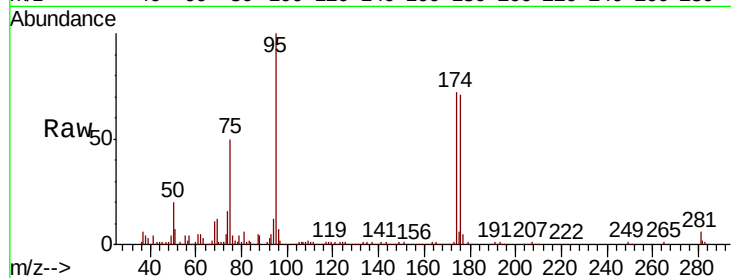
Tgt Ion: 75 Resp: 79587

Ion Ratio Lower Upper

75 100

53 0.7 83.2 124.8#

89 0.1 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

