

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005438.D
 Acq On : 17 Sep 2018 17:10
 Operator : SY/AP
 Sample : J4942-01
 Misc : 4.81G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB32727RT

Quant Time: Sep 18 01:03:51 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

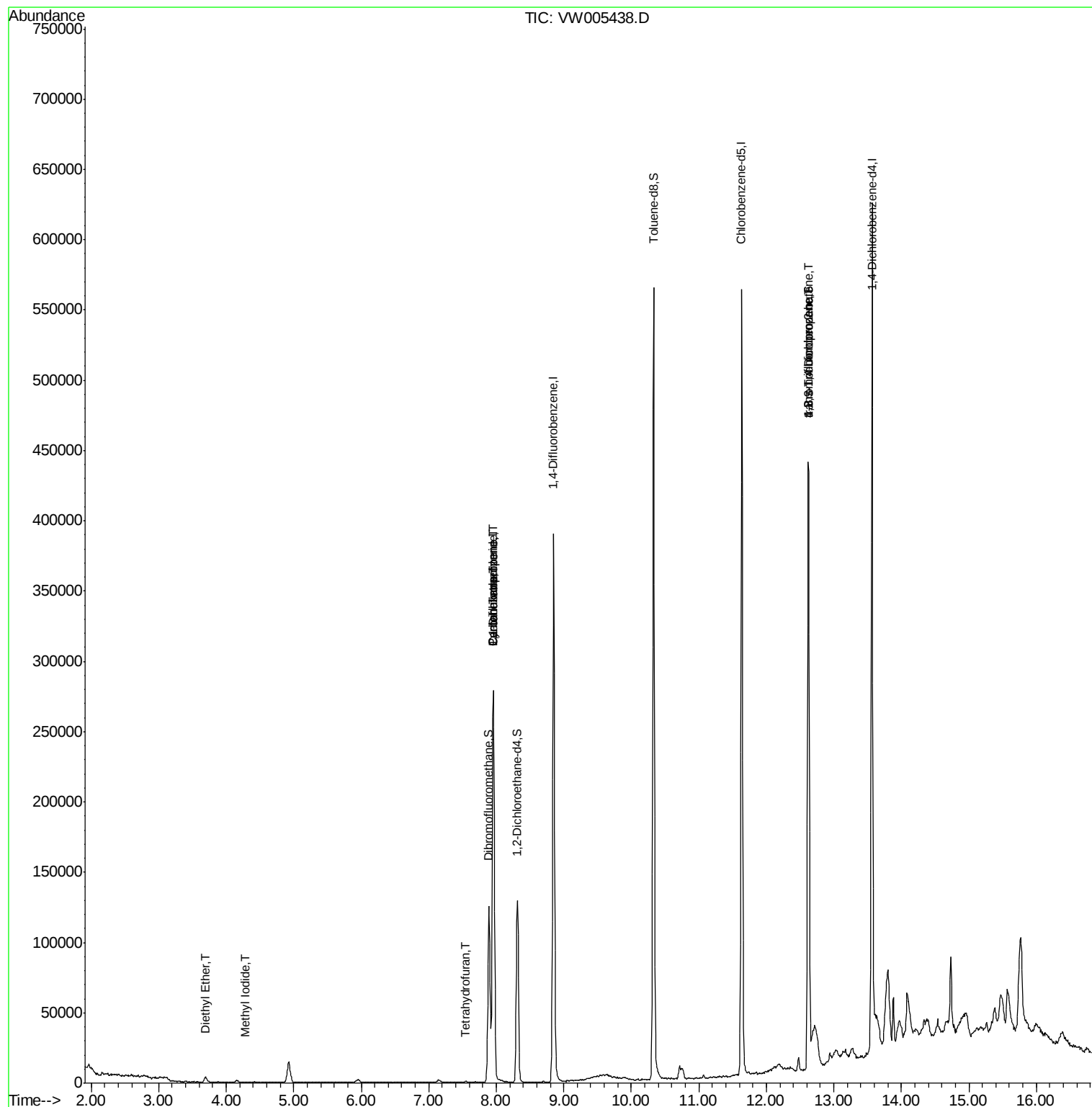
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	211818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	325562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	316203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	109811	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
35) Dibromofluoromethane	7.89	113	87981	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
50) Toluene-d8	10.33	98	379063	45.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	12.62	95	141673	46.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	365	Below Cal		92
5) Bromomethane	2.79	94	376	Below Cal		95
8) Diethyl Ether	3.68	74	1771	1.920 ug/l		87
10) Methyl Iodide	4.28	142	31	4.064 ug/l #		38
11) Tert butyl alcohol	5.13	59	22	Below Cal	#	71
16) Acetone	4.15	43	2494	Below Cal		94
20) Methylene Chloride	4.92	84	10690	Below Cal		95
29) Tetrahydrofuran	7.55	42	534	1.585 ug/l #		43
31) Cyclohexane	7.96	56	4680	1.334 ug/l #		1
36) 1,1-Dichloropropene	7.96	75	16291	5.287 ug/l #		50
38) Carbon Tetrachloride	7.96	117	21038	6.553 ug/l #		17
76) 1,2,3-Trichloropropane	12.62	75	72732	57.564 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.62	75	72732	149.324 ug/l #		8

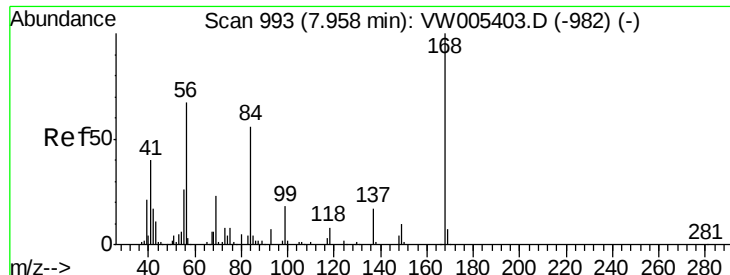
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

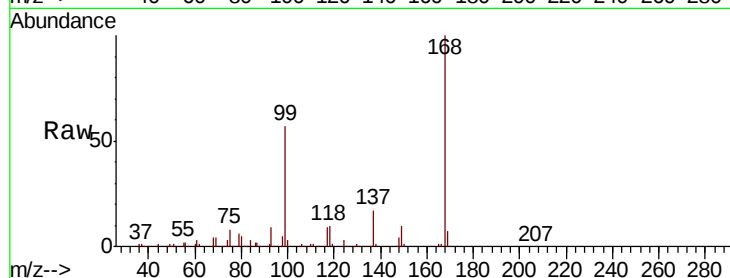
RB32727RT

Tgt Ion:168 Resp: 211818

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

100000

80000

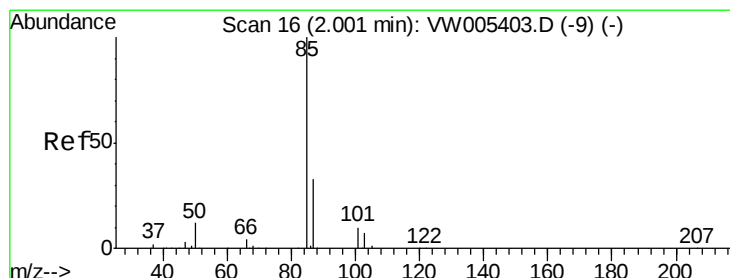
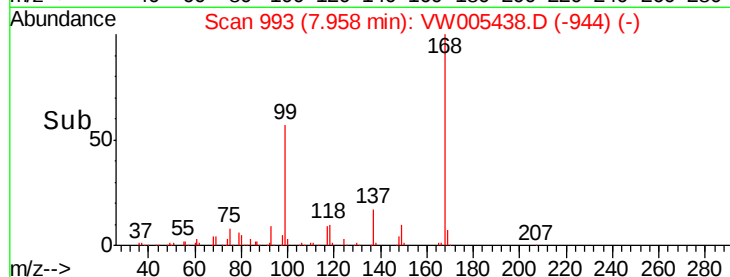
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005438.D

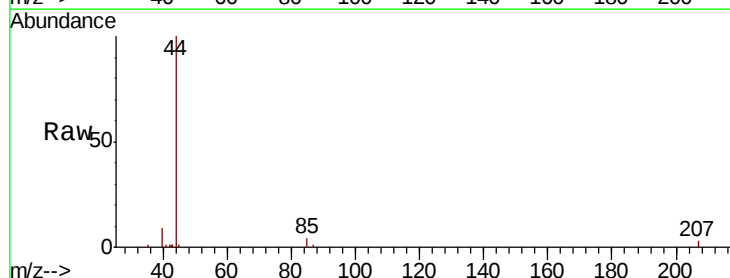
Acq: 17 Sep 2018 17:10

Tgt Ion: 85 Resp: 365

Ion Ratio Lower Upper

85 100

87 28.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

400

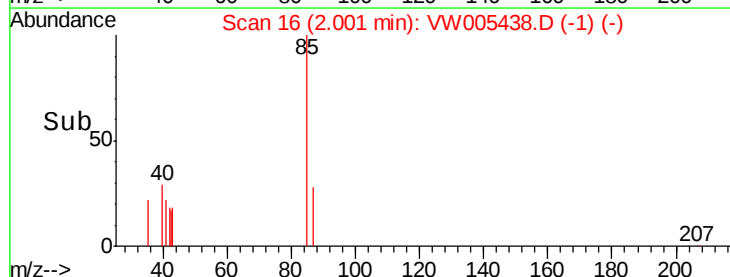
300

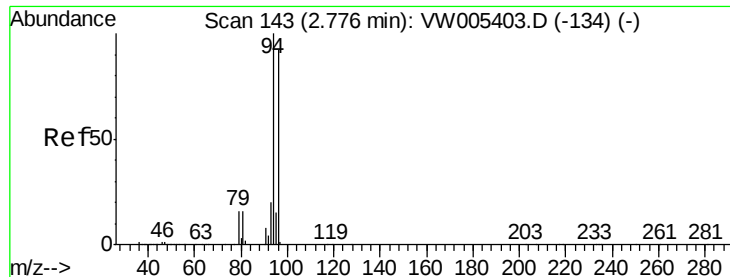
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampled :

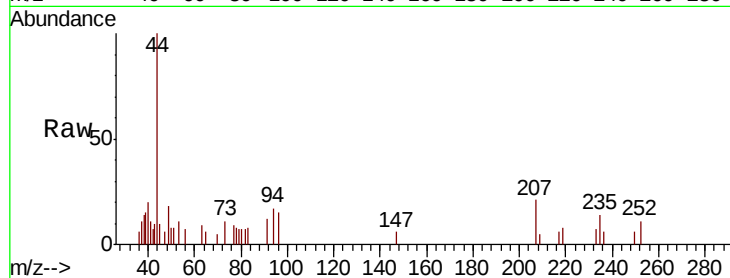
RB32727RT

Tgt Ion: 94 Resp: 376

Ion Ratio Lower Upper

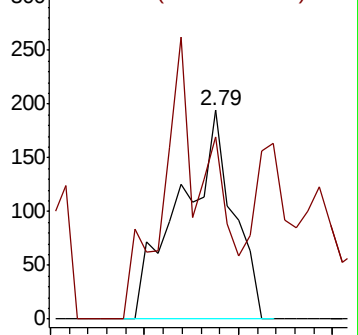
94 100

96 87.6 73.7 110.5

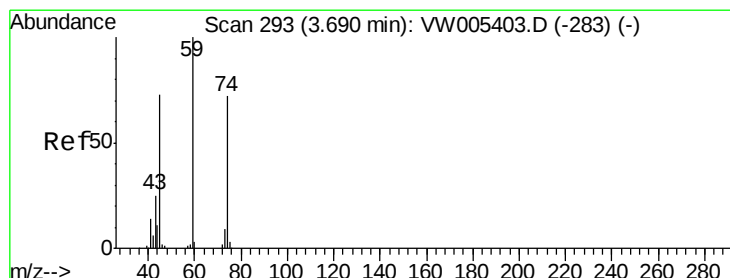
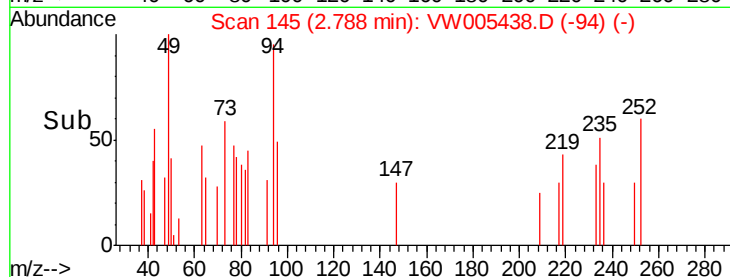


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time--> 2.70 2.75 2.80



#8

Diethyl Ether

Concen: 1.920 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW005438.D

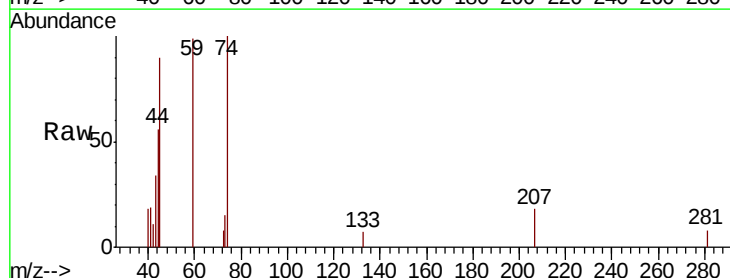
Acq: 17 Sep 2018 17:10

Tgt Ion: 74 Resp: 1771

Ion Ratio Lower Upper

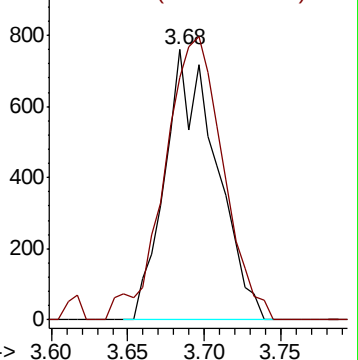
74 100

45 119.4 53.1 159.3

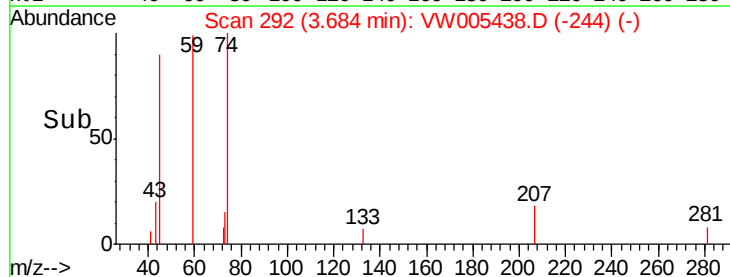


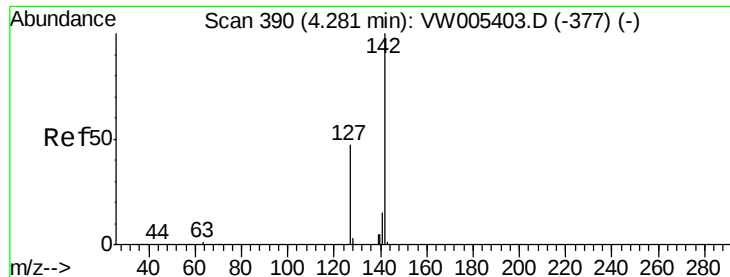
Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



Time--> 3.60 3.65 3.70 3.75

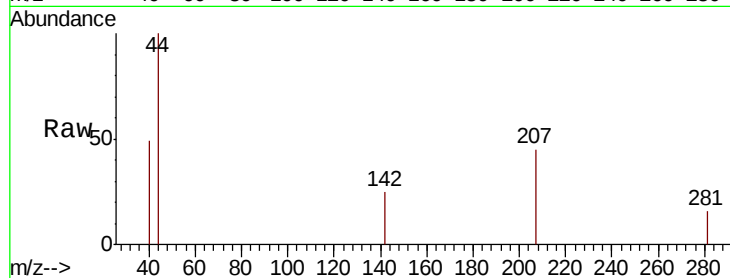




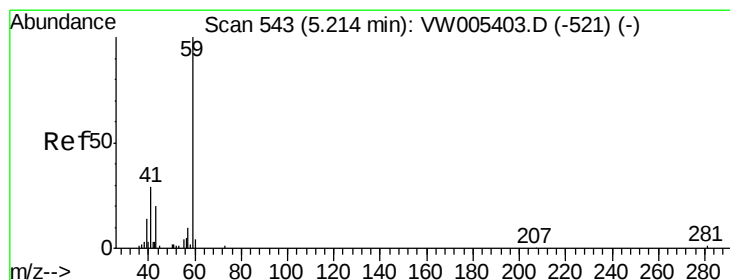
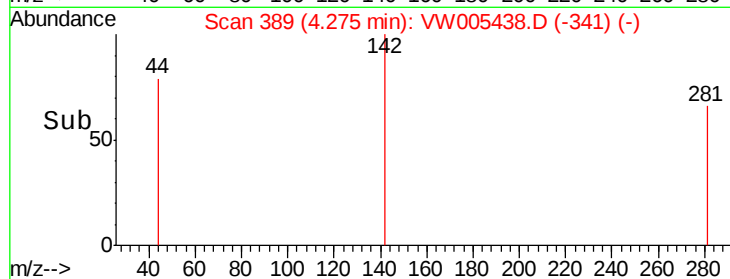
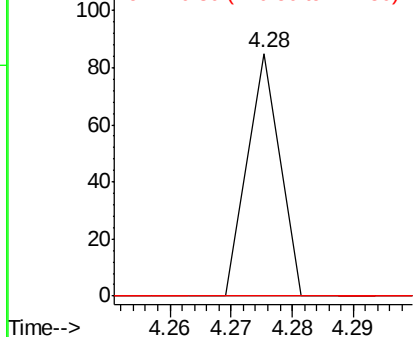
#10
Methyl Iodide
Concen: 4.064 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005438.D
Acq: 17 Sep 2018 17:10

Instrument :
MSVOA_W
ClientSampled :
RB32727RT

Tgt Ion: 142 Resp: 31
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.4 18.6#

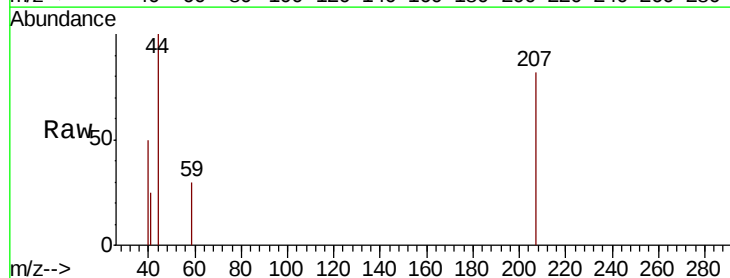


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

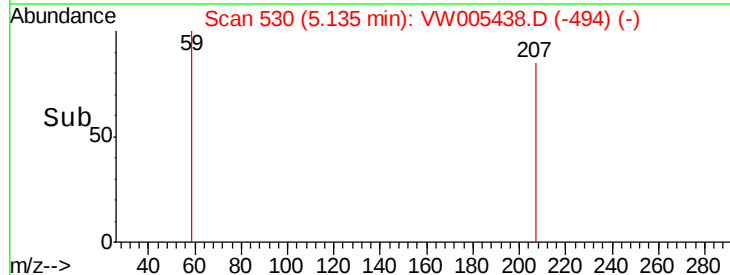
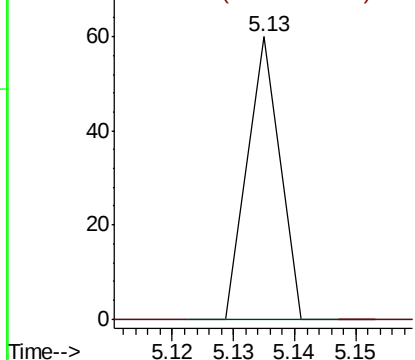


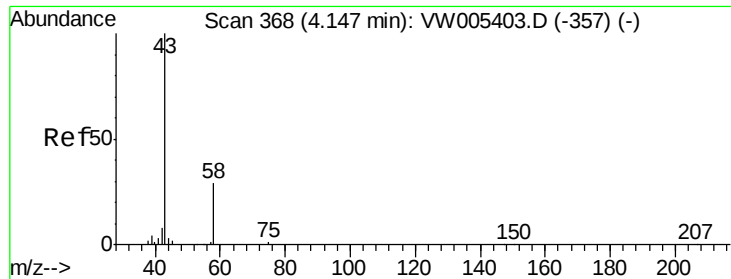
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.13 min Scan# 530
Delta R.T. -0.08 min
Lab File: VW005438.D
Acq: 17 Sep 2018 17:10

Tgt Ion: 59 Resp: 22
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





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

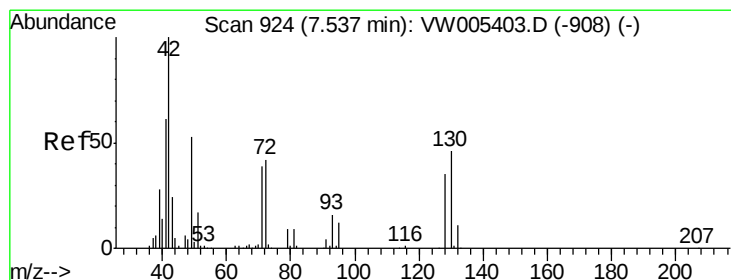
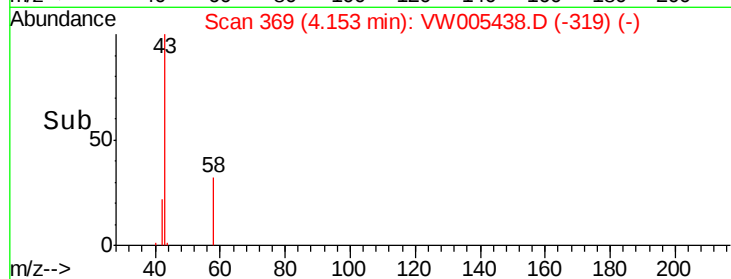
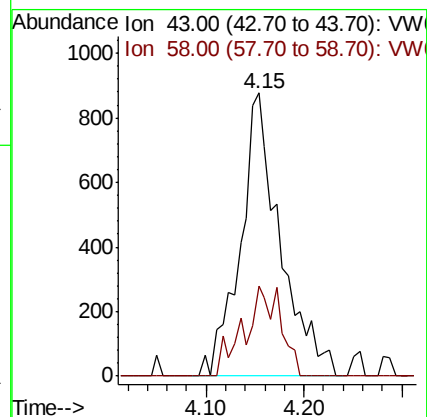
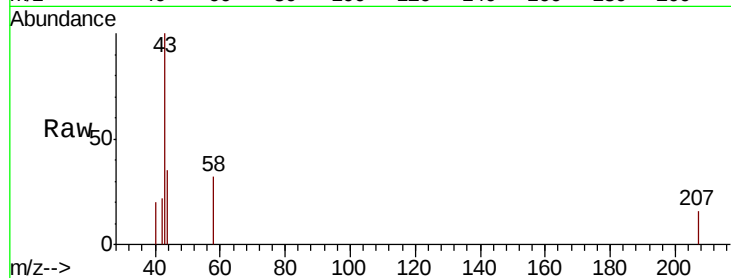
RB32727RT

Tgt Ion: 43 Resp: 2494

Ion Ratio Lower Upper

43 100

58 31.7 22.8 34.2



#29

Tetrahydrofuran

Concen: 1.585 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

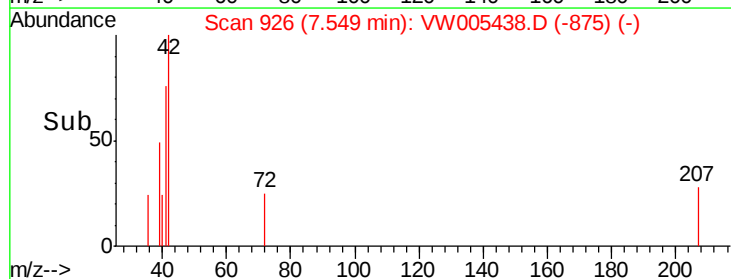
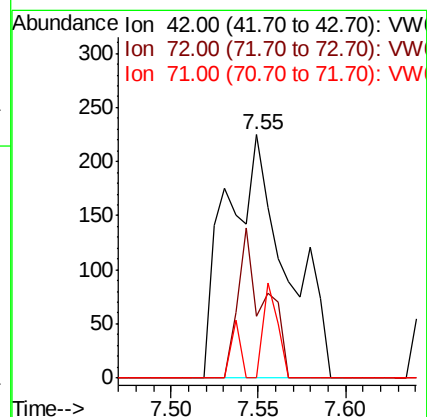
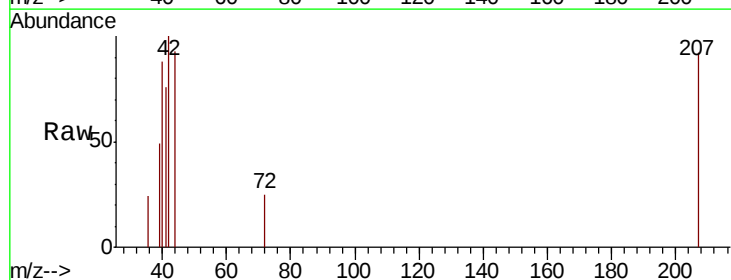
Tgt Ion: 42 Resp: 534

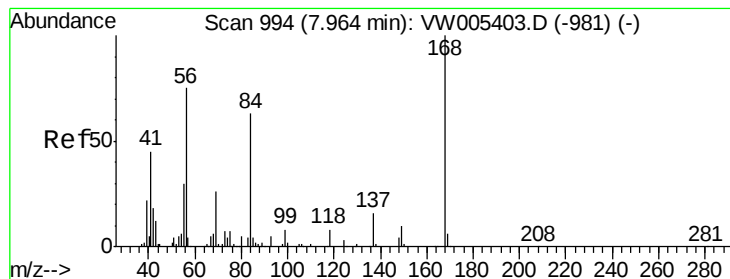
Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 9.4 31.0 46.6#





#31

Cyclohexane

Concen: 1.334 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

RB32727RT

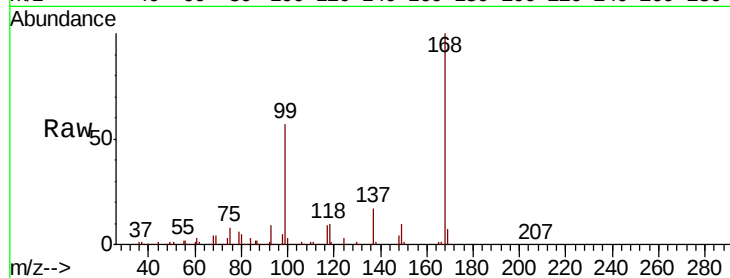
Tgt Ion: 56 Resp: 4680

Ion Ratio Lower Upper

56 100

69 200.2 27.2 40.8#

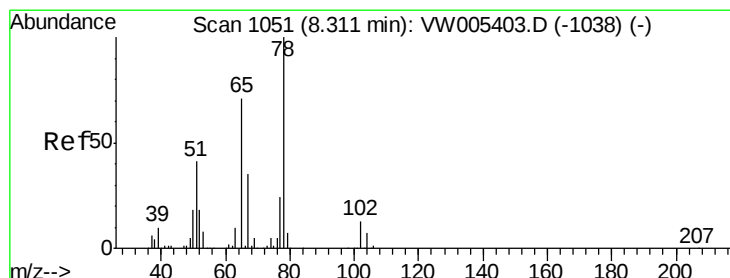
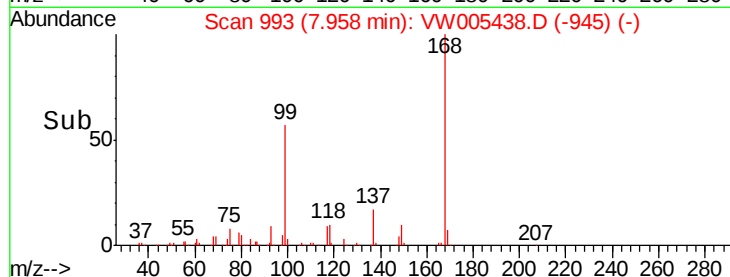
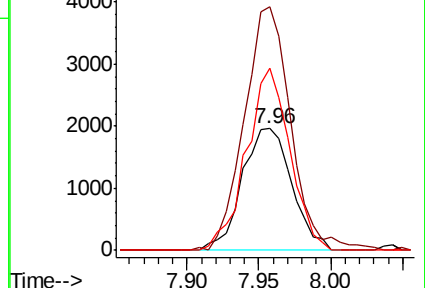
84 149.6 66.7 100.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.944 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005438.D

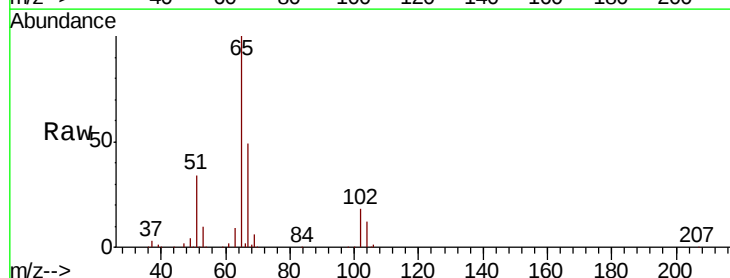
Acq: 17 Sep 2018 17:10

Tgt Ion: 65 Resp: 109811

Ion Ratio Lower Upper

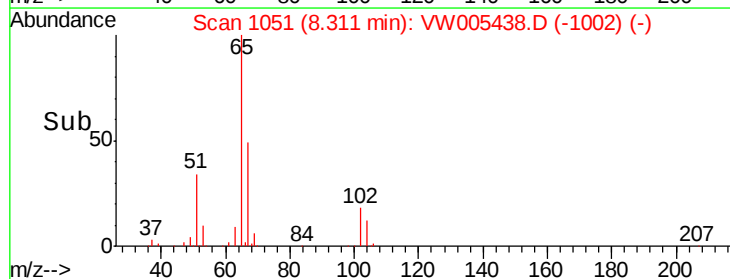
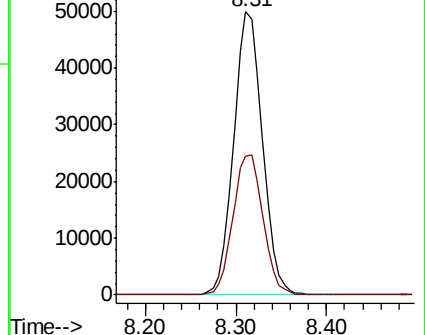
65 100

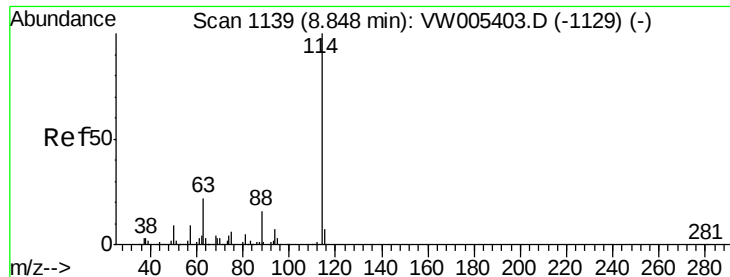
67 51.6 0.0 100.6



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: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

RB32727RT

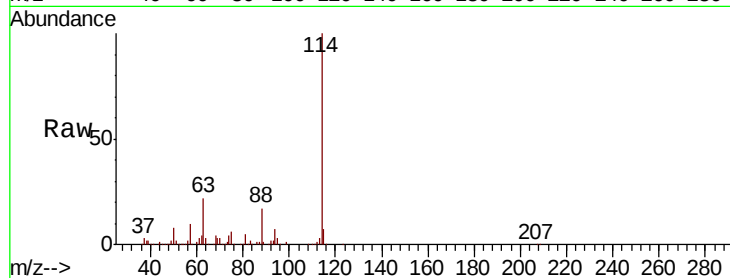
Tgt Ion:114 Resp: 325562

Ion Ratio Lower Upper

114 100

63 22.1 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

8.85

200000

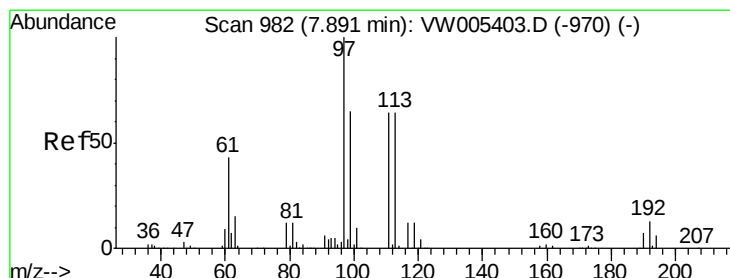
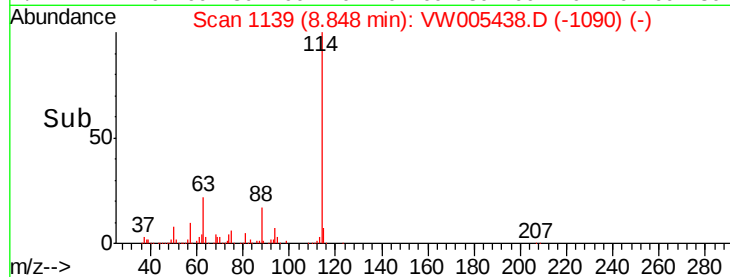
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 48.199 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

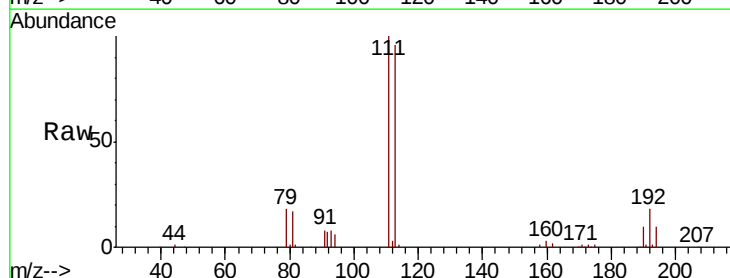
Tgt Ion:113 Resp: 87981

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

192 21.3 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

7.89

50000

40000

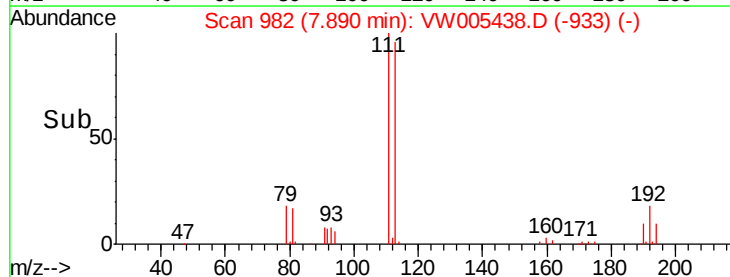
30000

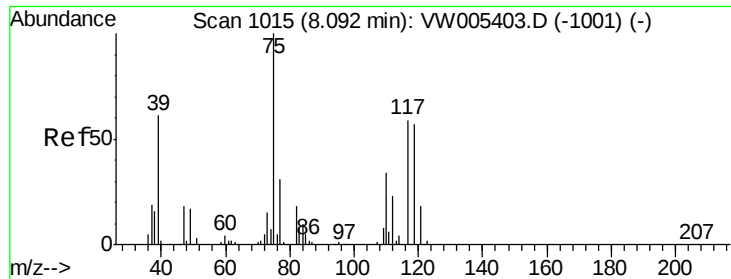
20000

10000

0

Time--> 7.80 7.85 7.90 7.95

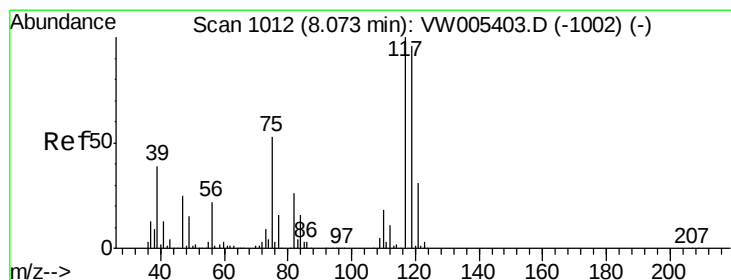
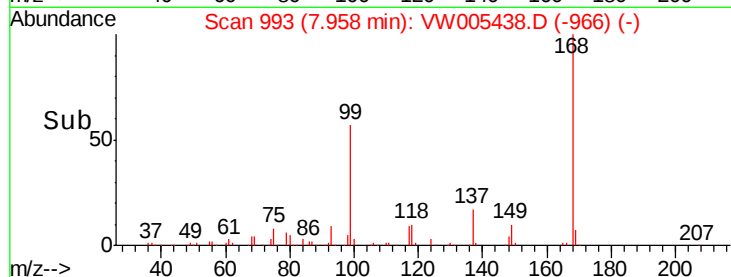
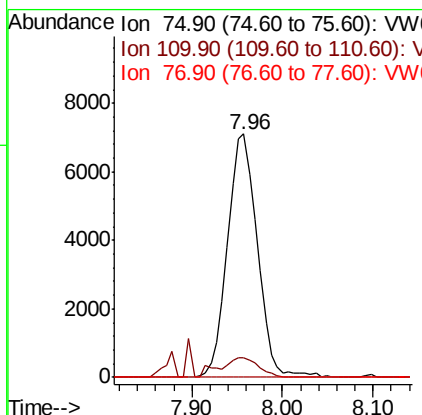
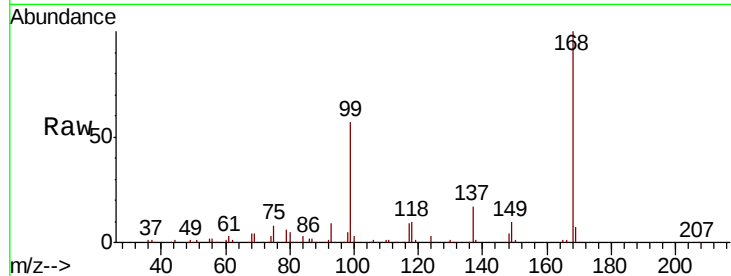




#36
 1,1-Dichloropropene
 Concen: 5.287 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005438.D
 Acq: 17 Sep 2018 17:10

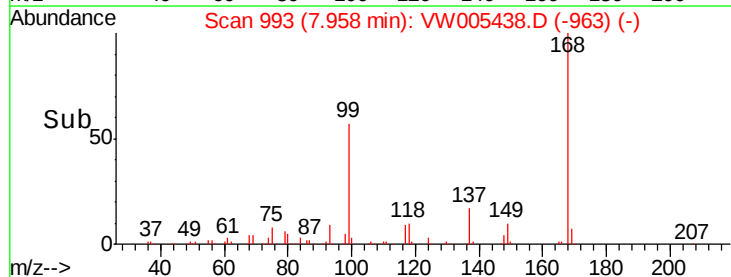
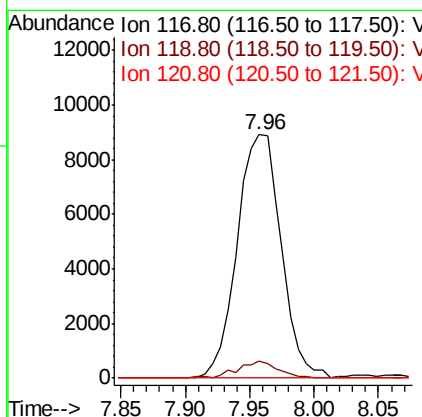
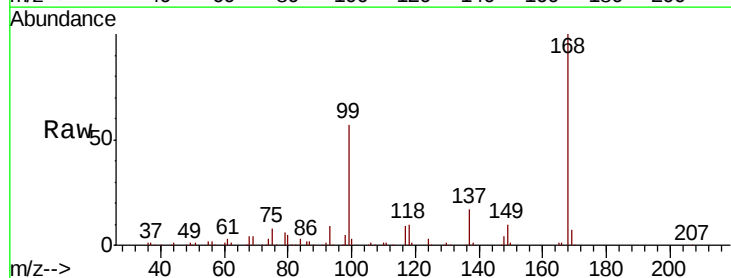
Instrument :
 MSVOA_W
 ClientSampleId :
 RB32727RT

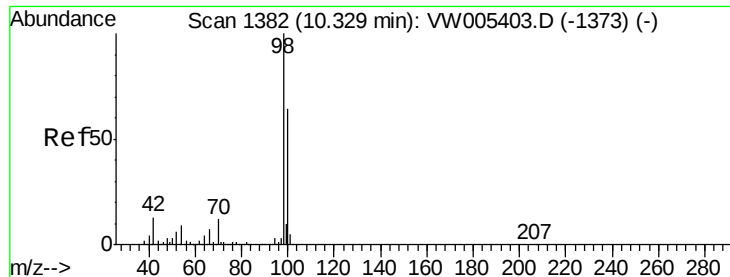
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005438.D
 Acq: 17 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 45.346 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

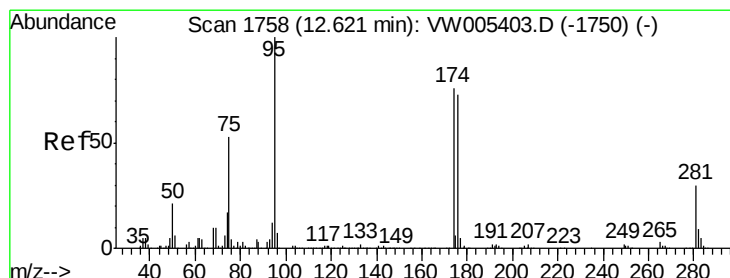
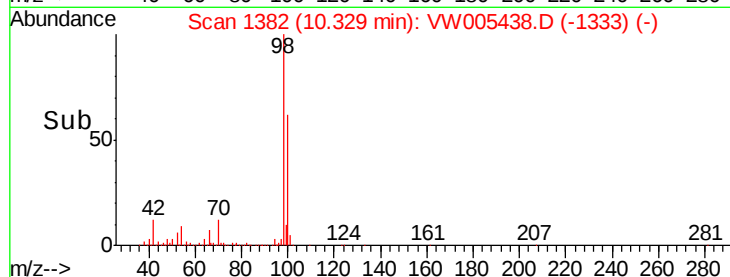
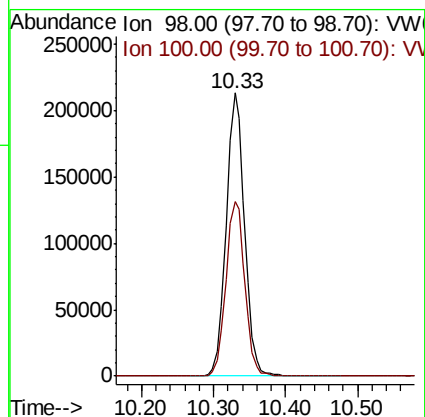
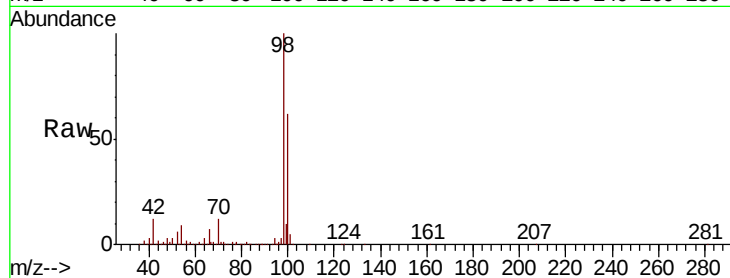
RB32727RT

Tgt Ion: 98 Resp: 379063

Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 46.221 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005438.D

Acq: 17 Sep 2018 17:10

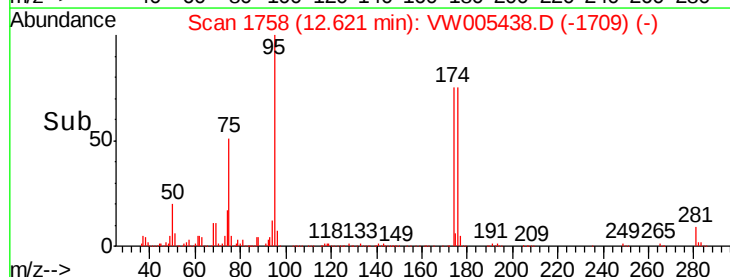
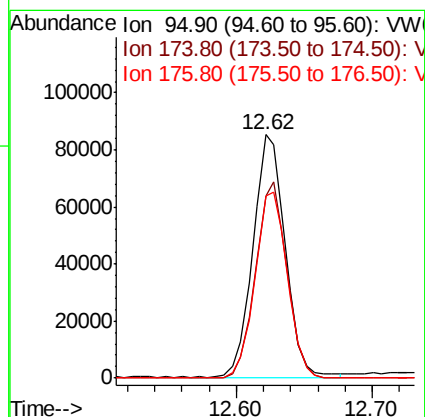
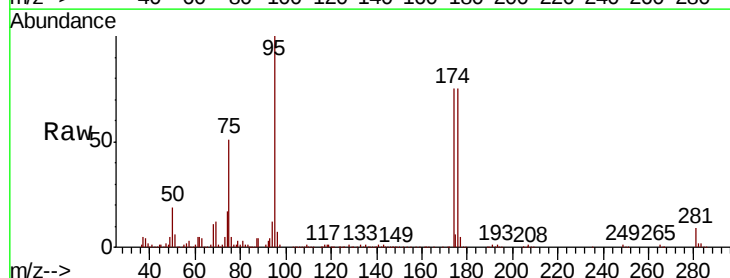
Tgt Ion: 95 Resp: 141673

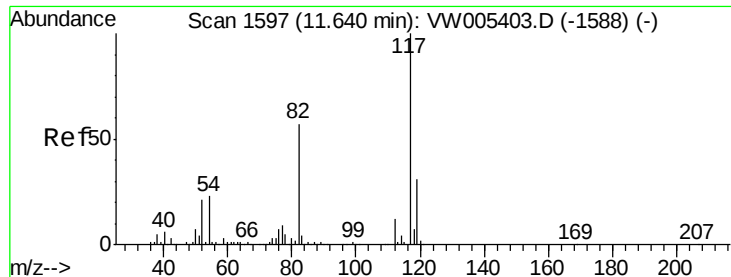
Ion Ratio Lower Upper

95 100

174 78.5 0.0 161.2

176 76.9 0.0 156.6

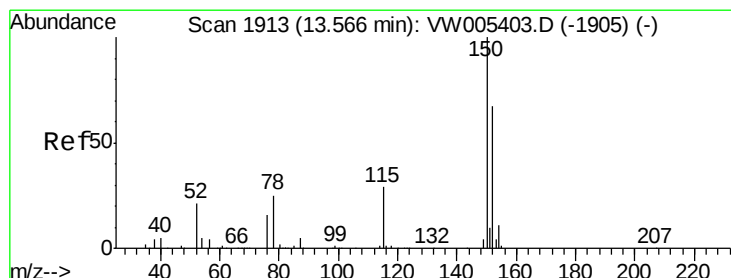
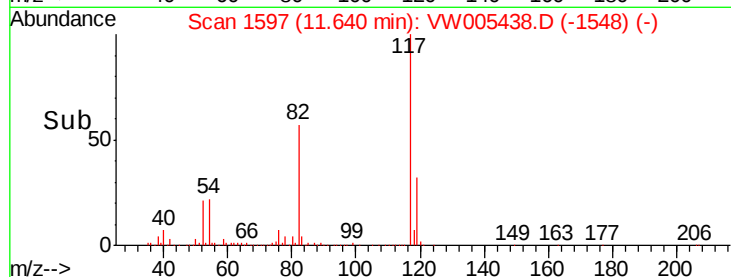
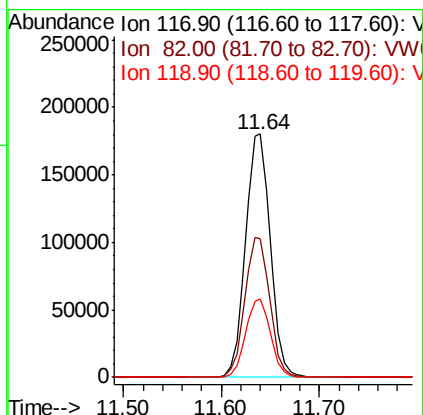
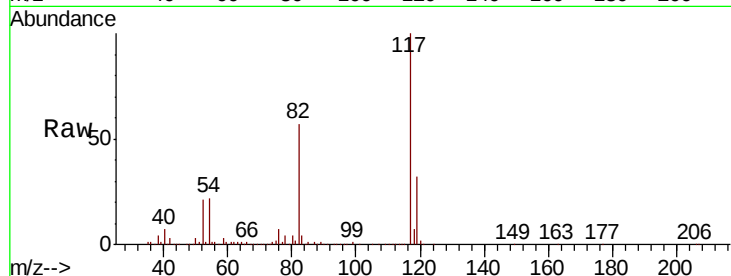




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005438.D
Acq: 17 Sep 2018 17:10

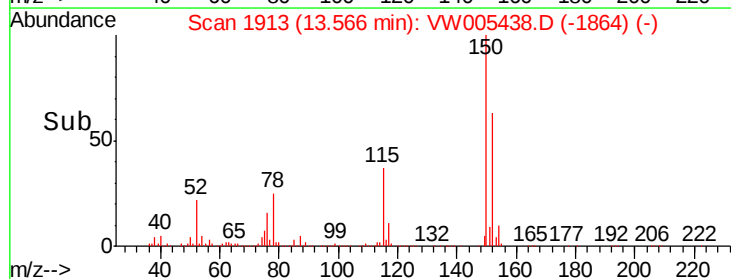
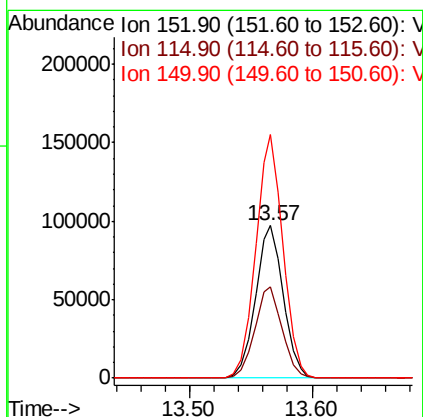
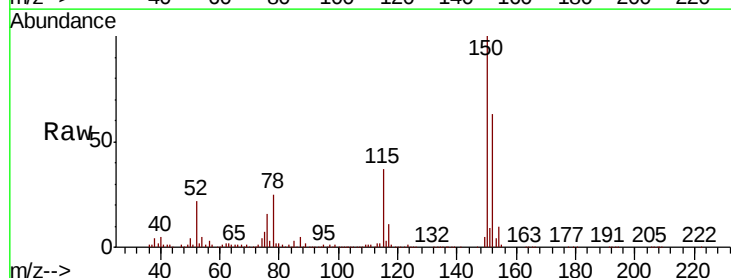
Instrument :
MSVOA_W
ClientSampleId :
RB32727RT

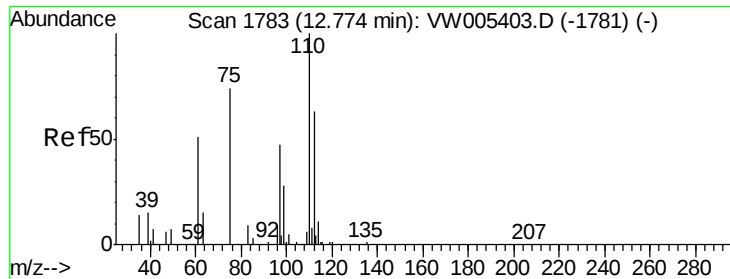
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.9	68.9
119	32.0	24.8	37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005438.D
Acq: 17 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.5	88.5
150	155.3	0.0	345.6

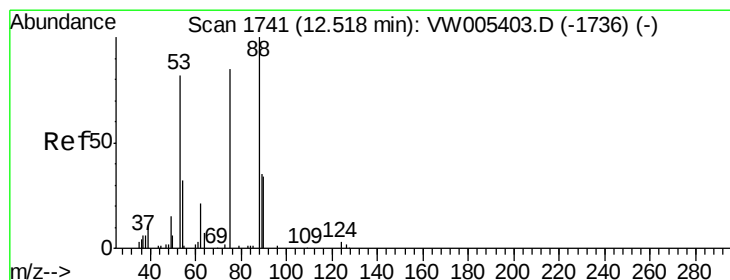
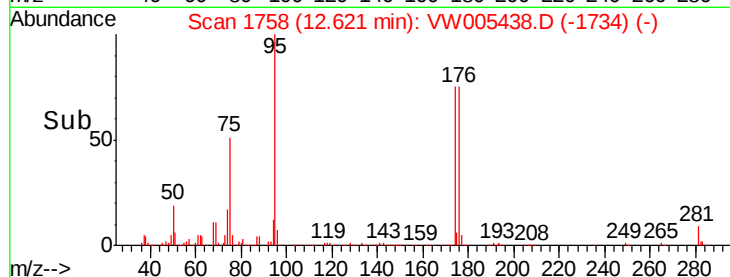
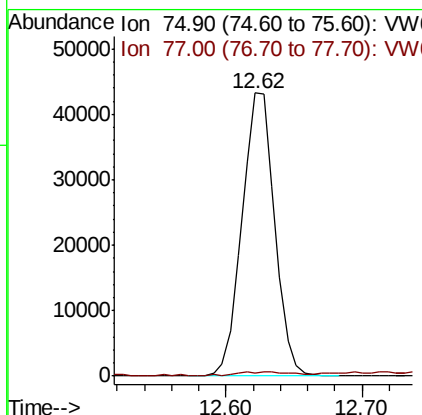
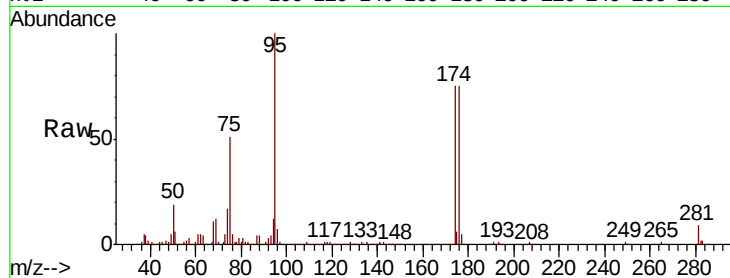




#76
 1,2,3-Trichloropropane
 Concen: 57.564 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005438.D
 Acq: 17 Sep 2018 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 RB32727RT

Tgt Ion: 75 Resp: 72732
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.324 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005438.D
 Acq: 17 Sep 2018 17:10

Tgt Ion: 75 Resp: 72732
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.2 124.8#
 89 0.0 36.6 54.8#

