

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005455.D
 Acq On : 18 Sep 2018 02:54
 Operator : SY/AP
 Sample : J4957-01
 Misc : 3.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 97-20

Quant Time: Sep 18 06:04:13 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	198659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	320441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	217824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	53389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	103930	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.90	113	82689	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
50) Toluene-d8	10.33	98	259308	31.52	ug/l	0.00
Spiked Amount			Recovery	=	63.04%	
62) 4-Bromofluorobenzene	12.62	95	61395	20.35	ug/l	0.00
Spiked Amount			Recovery	=	40.70%	

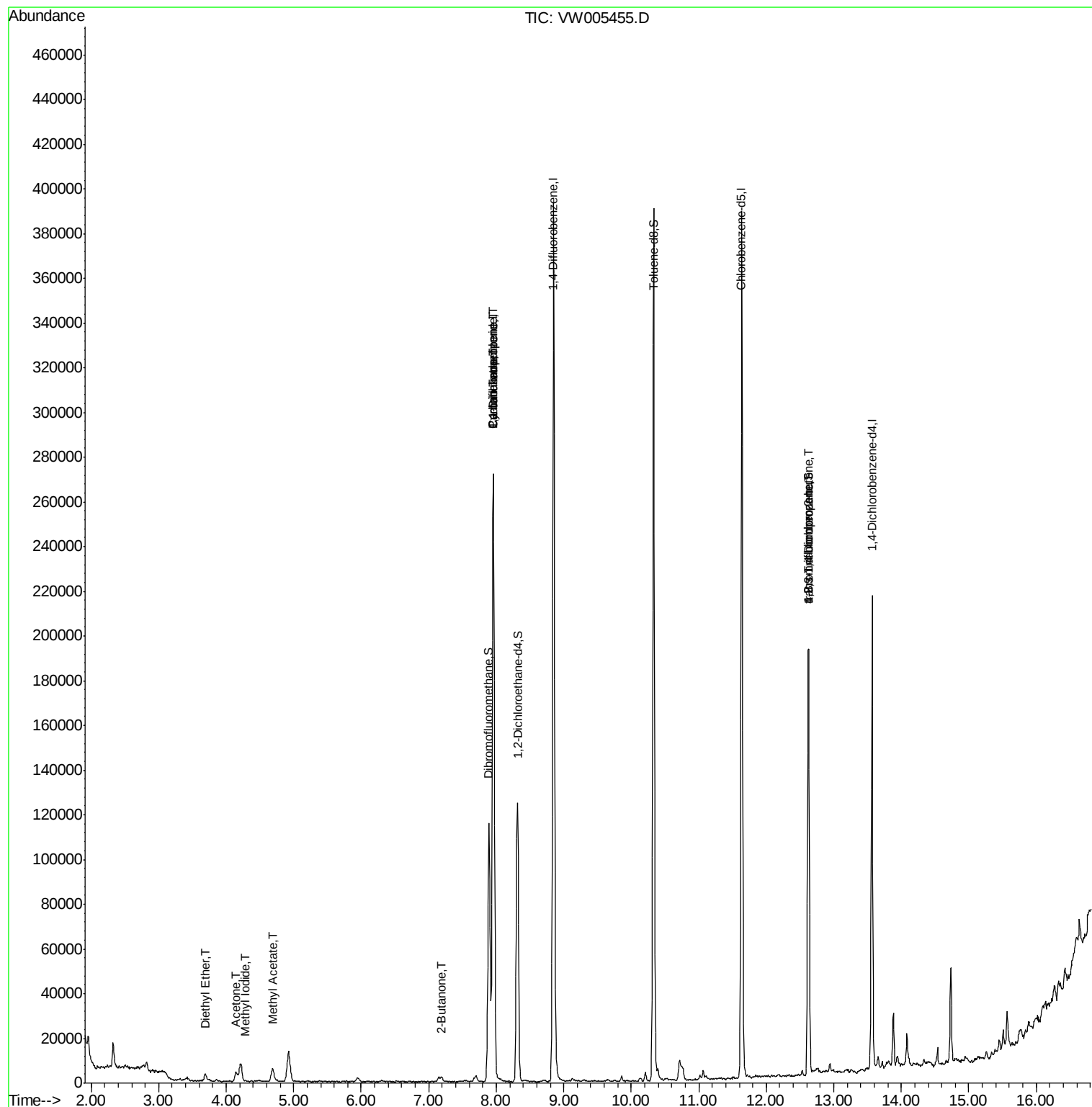
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	293	Below Cal	#	42
5) Bromomethane	2.78	94	236	Below Cal		92
8) Diethyl Ether	3.69	74	1651	1.909	ug/l	82
10) Methyl Iodide	4.28	142	206	4.139	ug/l #	85
11) Tert butyl alcohol	5.19	59	483	Below Cal	#	71
16) Acetone	4.15	43	8206	10.404	ug/l	96
18) Methyl Acetate	4.69	43	12245	12.357	ug/l	97
20) Methylene Chloride	4.92	84	9917	Below Cal		93
25) 2-Butanone	7.20	43	2492	5.024	ug/l	90
31) Cyclohexane	7.96	56	4692	1.426	ug/l #	13
36) 1,1-Dichloropropene	7.96	75	16285	5.370	ug/l #	51
38) Carbon Tetrachloride	7.96	117	20035	6.340	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	31636	72.045	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	31636	186.890	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
Data File : VW005455.D
Acq On : 18 Sep 2018 02:54
Operator : SY/AP
Sample : J4957-01
Misc : 3.70G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
97-20

Quant Time: Sep 18 06:04:13 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: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

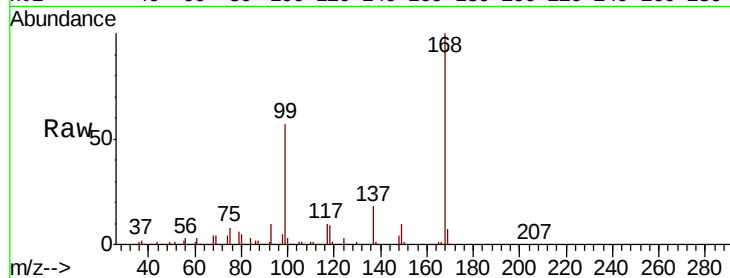
97-20

Tgt Ion:168 Resp: 198659

Ion Ratio Lower Upper

168 100

99 57.4 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

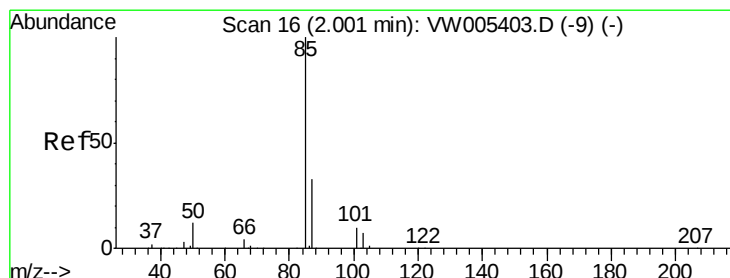
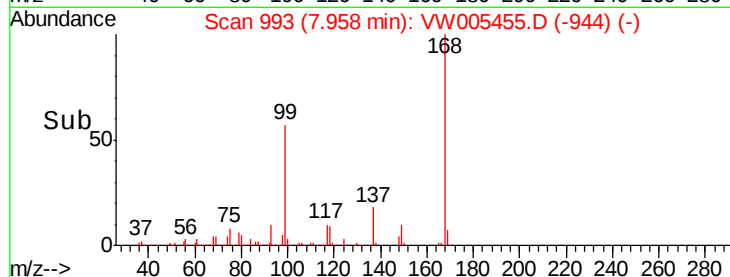
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005455.D

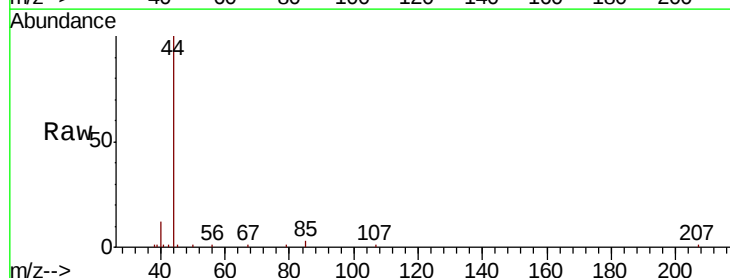
Acq: 18 Sep 2018 02:54

Tgt Ion: 85 Resp: 293

Ion Ratio Lower Upper

85 100

87 0.0 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

200

150

100

50

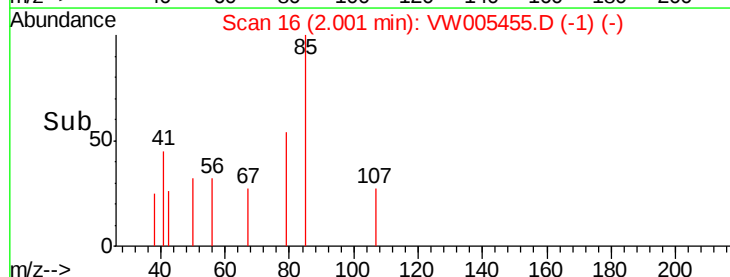
0

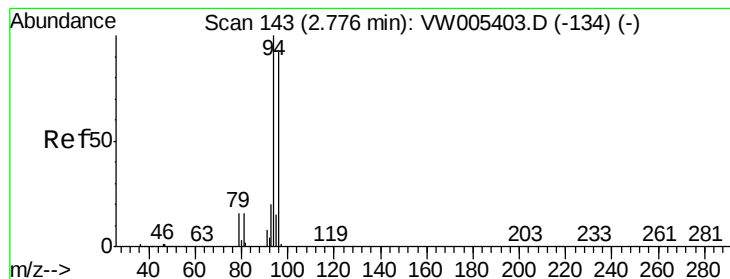
Time-->

1.95

2.00

2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampled :

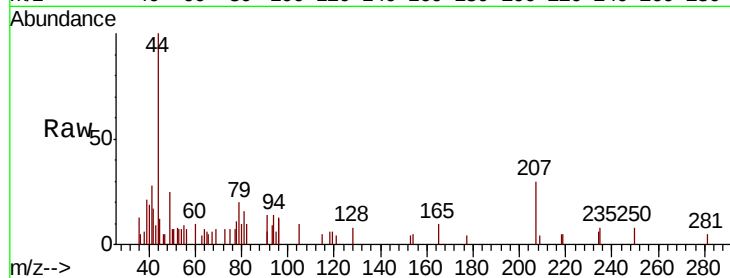
97-20

Tgt Ion: 94 Resp: 236

Ion Ratio Lower Upper

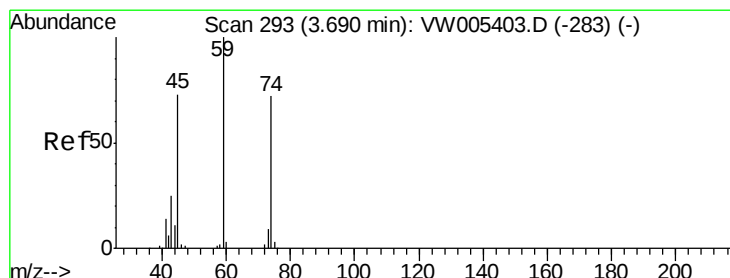
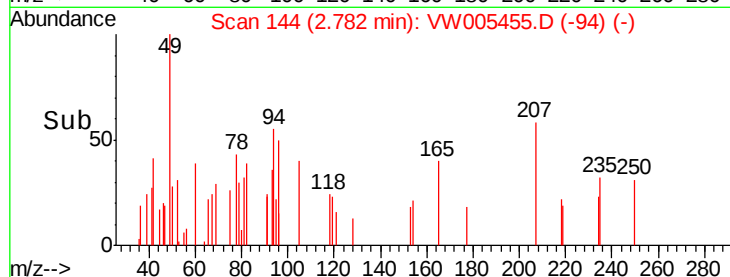
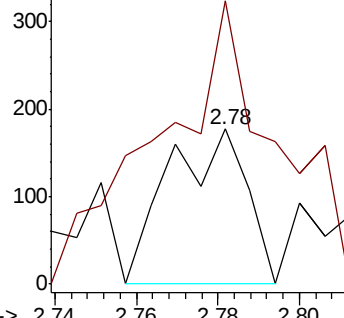
94 100

96 100.0 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: 1.909 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW005455.D

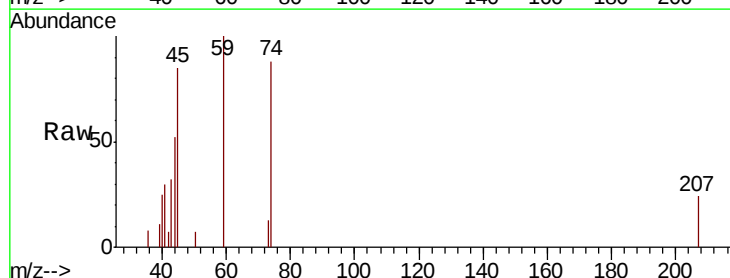
Acq: 18 Sep 2018 02:54

Tgt Ion: 74 Resp: 1651

Ion Ratio Lower Upper

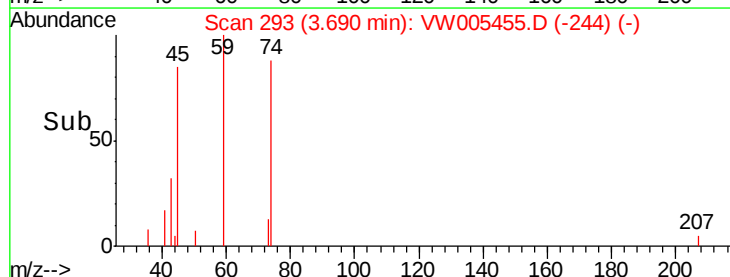
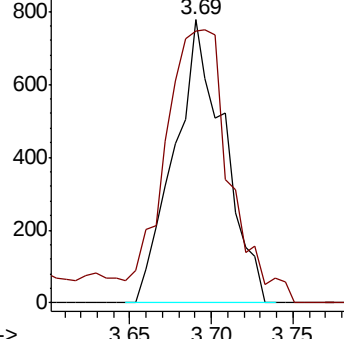
74 100

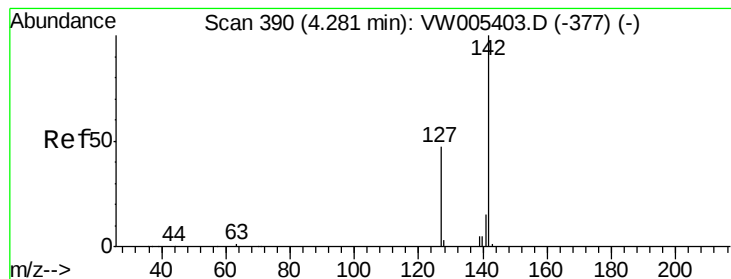
45 125.0 53.1 159.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#10

Methyl Iodide

Concen: 4.139 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampled :

97-20

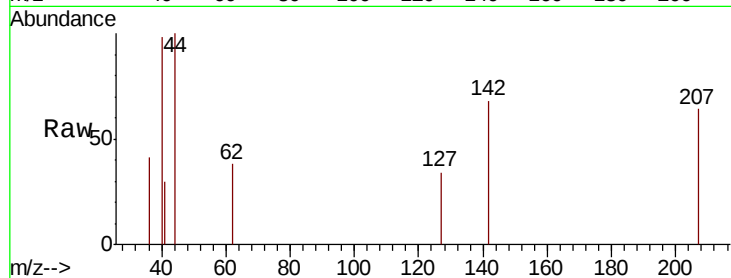
Tgt Ion: 142 Resp: 206

Ion Ratio Lower Upper

142 100

127 52.4 37.5 56.3

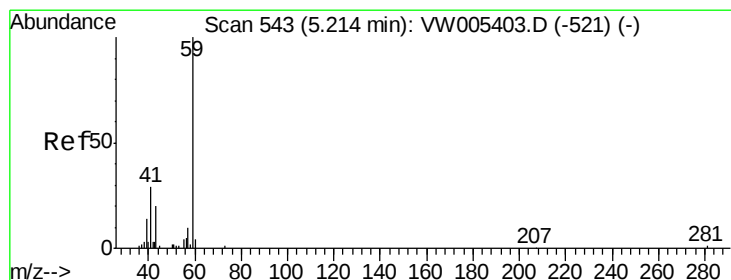
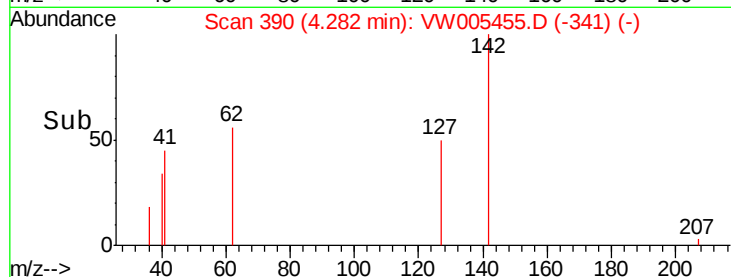
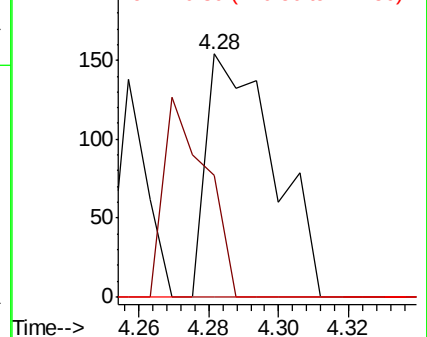
141 0.0 12.4 18.6#



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: 5.19 min Scan# 539

Delta R.T. -0.02 min

Lab File: VW005455.D

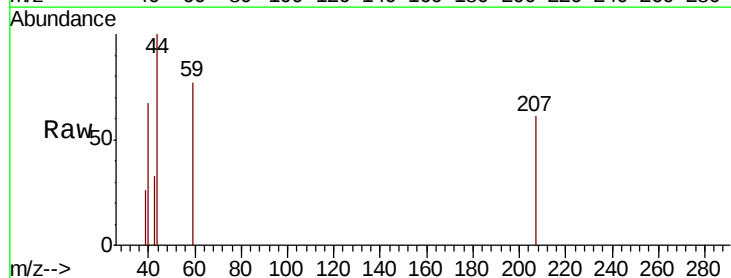
Acq: 18 Sep 2018 02:54

Tgt Ion: 59 Resp: 483

Ion Ratio Lower Upper

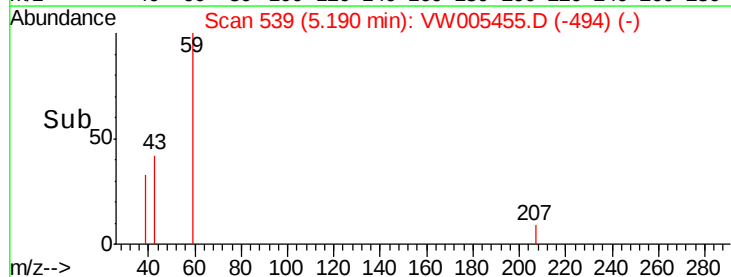
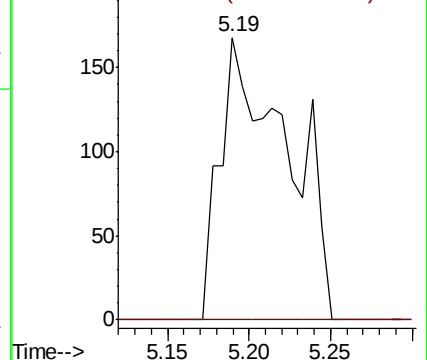
59 100

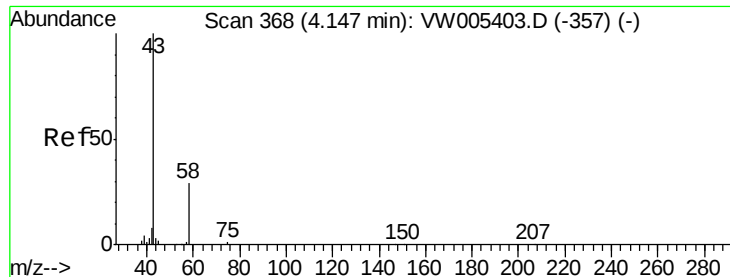
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

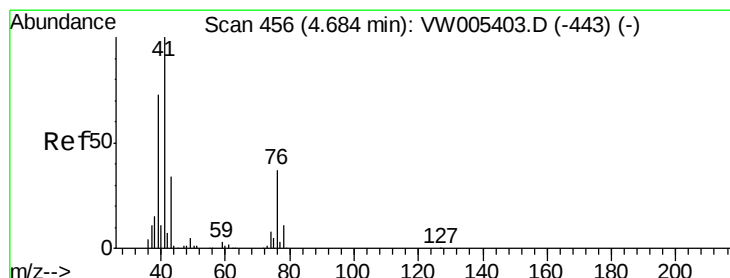
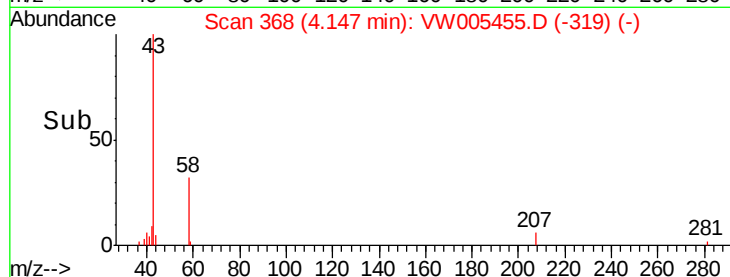
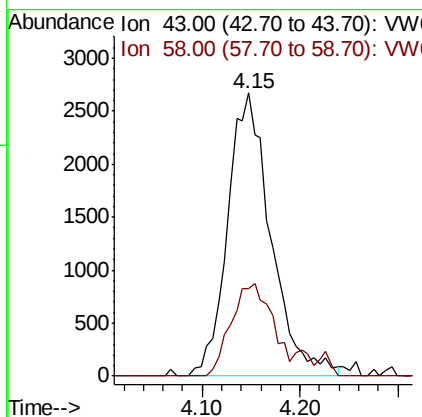
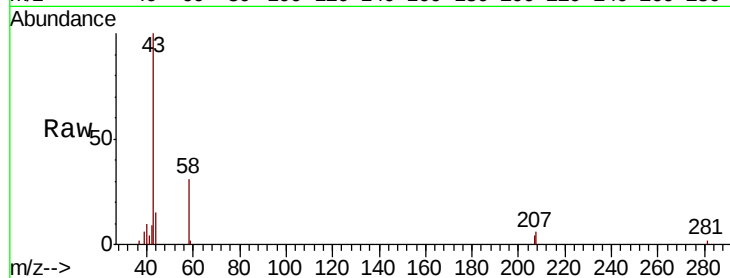




#16
Acetone
Concen: 10.404 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.00 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

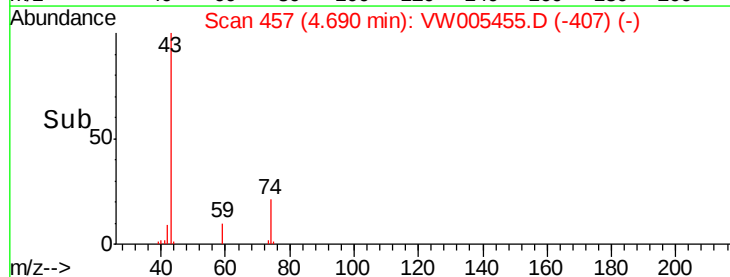
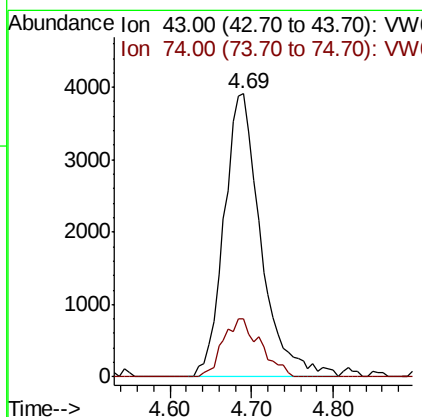
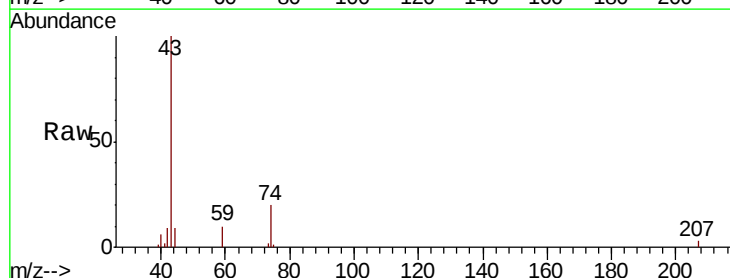
Instrument :
MSVOA_W
ClientSampleId :
97-20

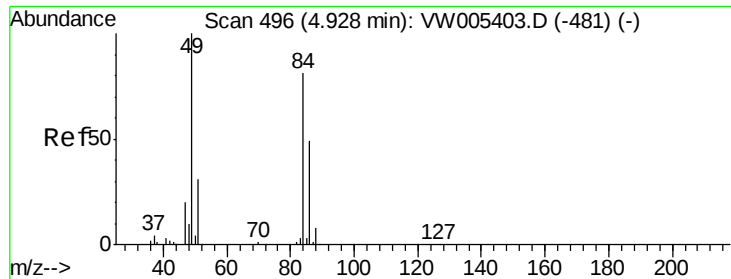
Tgt Ion: 43 Resp: 8206
Ion Ratio Lower Upper
43 100
58 30.8 22.8 34.2



#18
Methyl Acetate
Concen: 12.357 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

Tgt Ion: 43 Resp: 12245
Ion Ratio Lower Upper
43 100
74 20.8 17.7 26.5

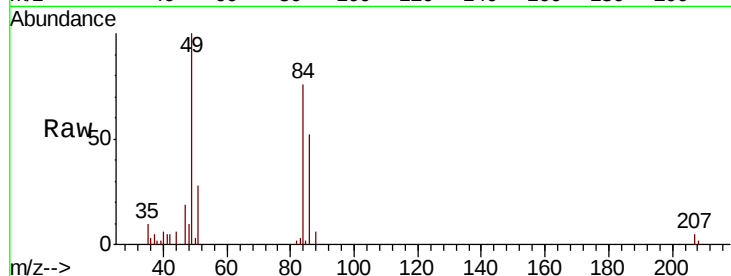




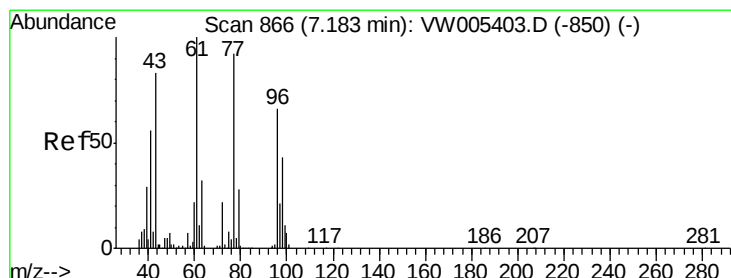
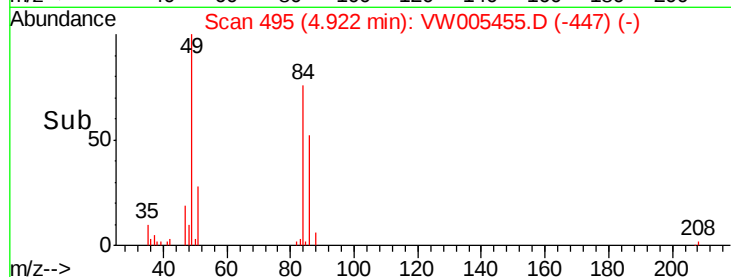
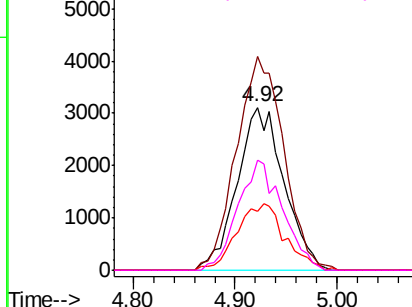
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

Instrument :
MSVOA_W
ClientSampled :
97-20

Tgt Ion: 84 Resp: 9917
Ion Ratio Lower Upper
84 100
49 131.4 99.3 148.9
51 36.5 31.1 46.7
86 67.8 49.1 73.7

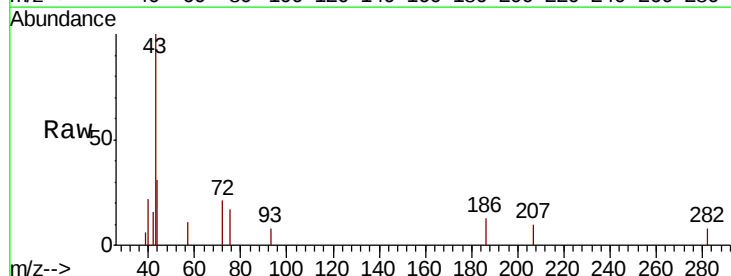


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

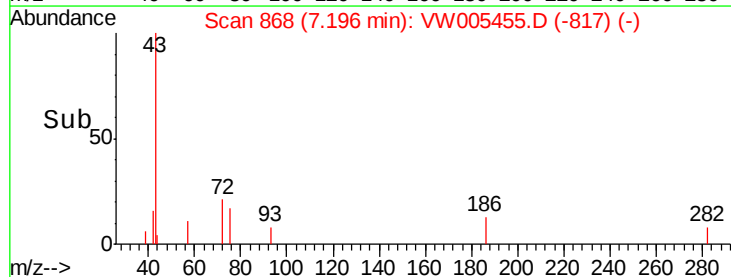
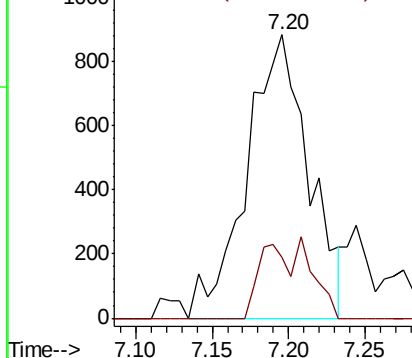


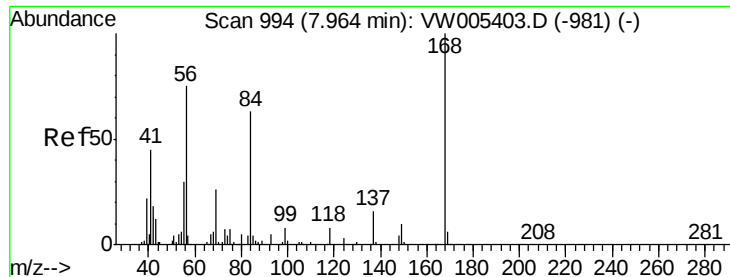
#25
2-Butanone
Concen: 5.024 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
72 21.3 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

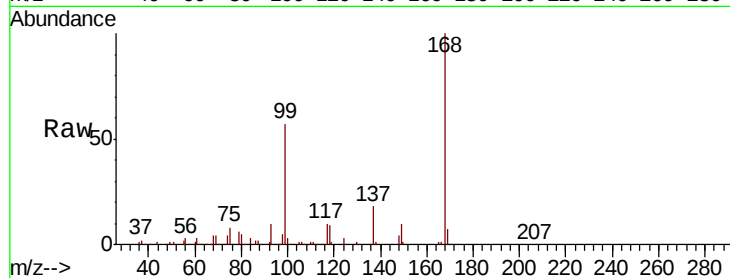




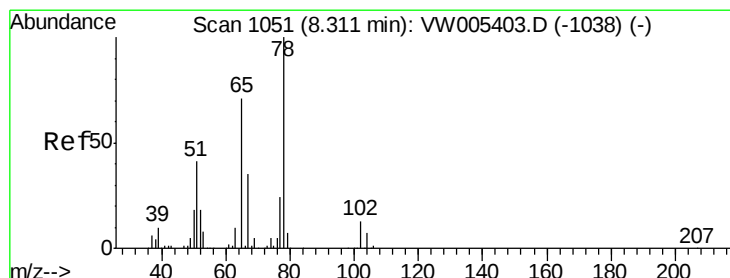
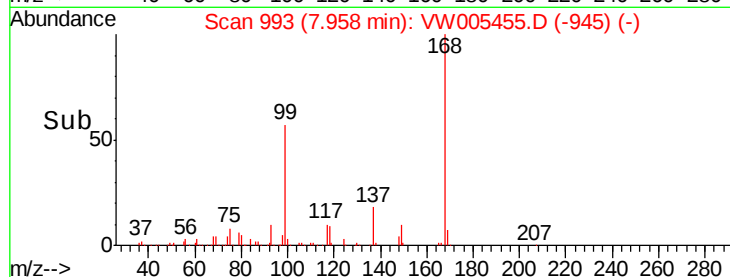
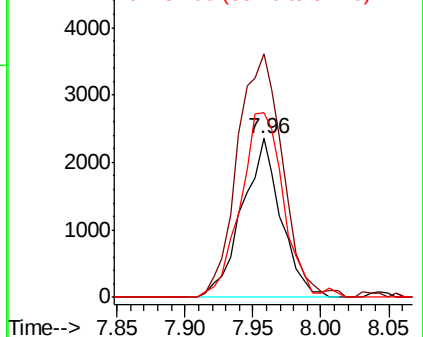
#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

Instrument :
MSVOA_W
ClientSampleId :
97-20

Tgt Ion: 56 Resp: 4692
Ion Ratio Lower Upper
56 100
69 153.5 27.2 40.8#
84 116.7 66.7 100.1#

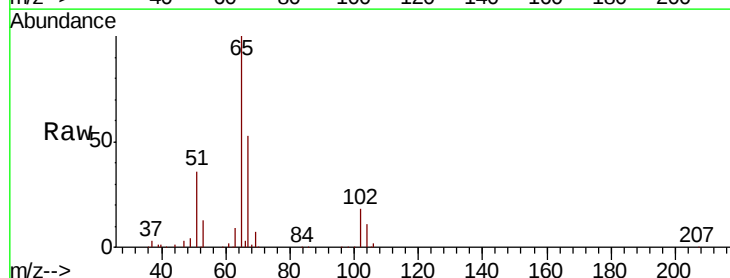


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

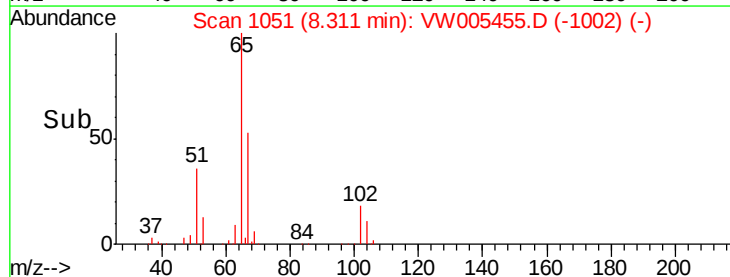
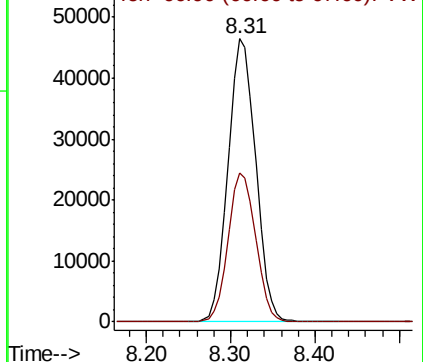


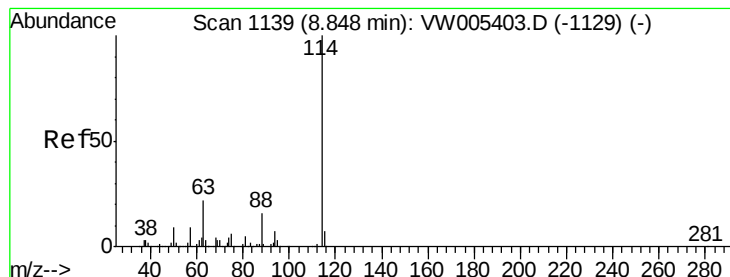
#33
1,2-Dichloroethane-d4
Concen: 50.400 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005455.D
Acq: 18 Sep 2018 02:54

Tgt Ion: 65 Resp: 103930
Ion Ratio Lower Upper
65 100
67 52.4 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: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

97-20

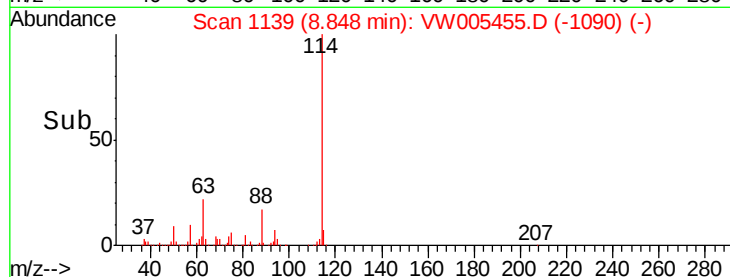
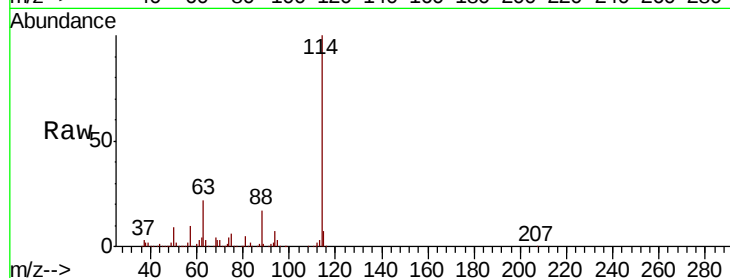
Tgt Ion:114 Resp: 320441

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

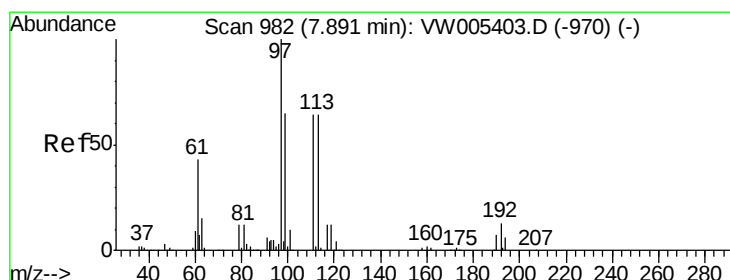
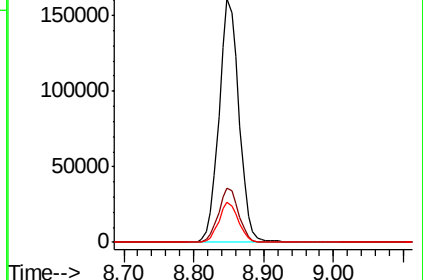
88 16.6 0.0 31.8



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: 46.024 ug/l

RT: 7.90 min Scan# 983

Delta R.T. 0.01 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

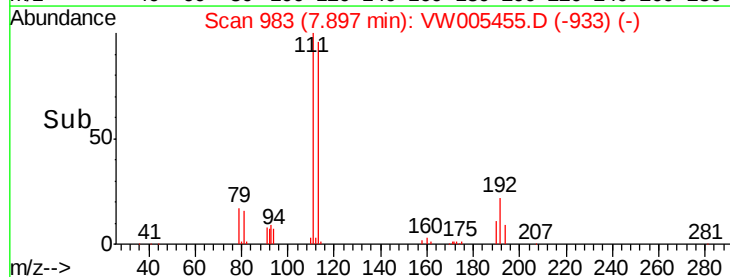
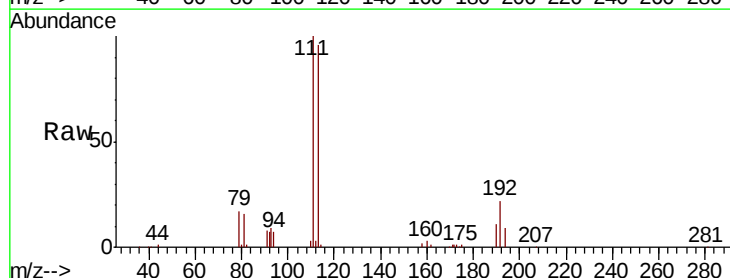
Tgt Ion:113 Resp: 82689

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

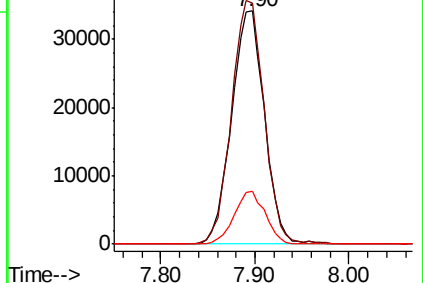
192 21.3 16.5 24.7

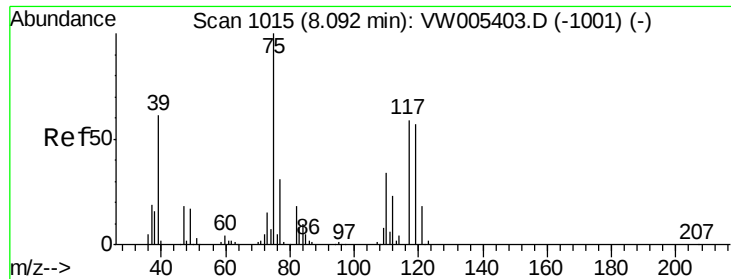


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

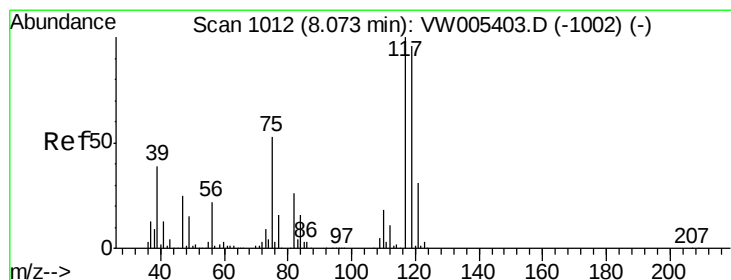
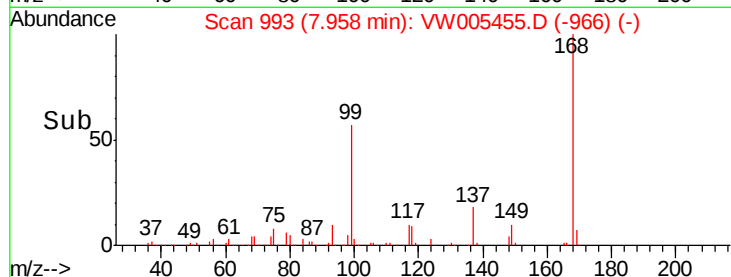
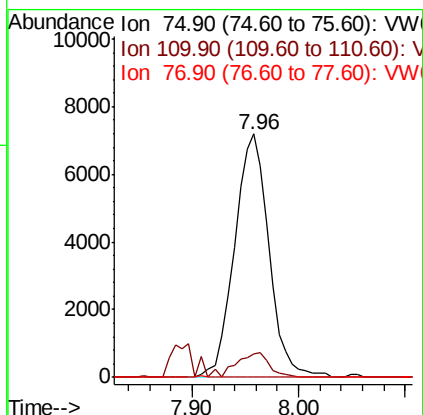
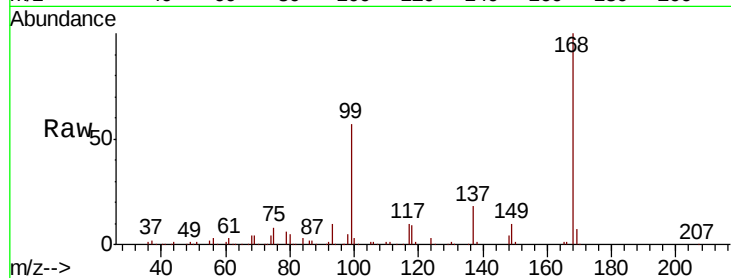




#36
 1,1-Dichloropropene
 Concen: 5.370 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005455.D
 Acq: 18 Sep 2018 02:54

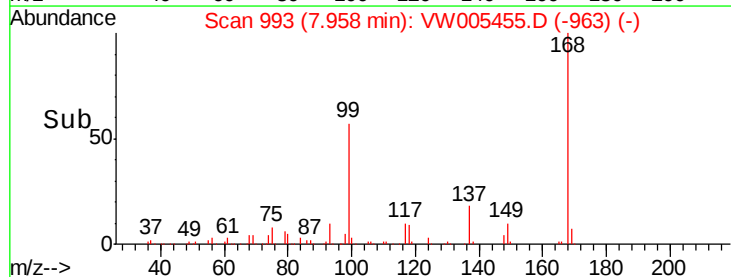
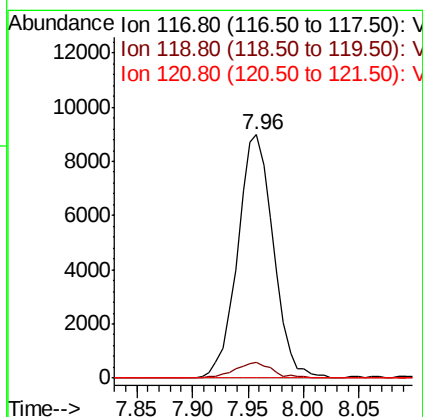
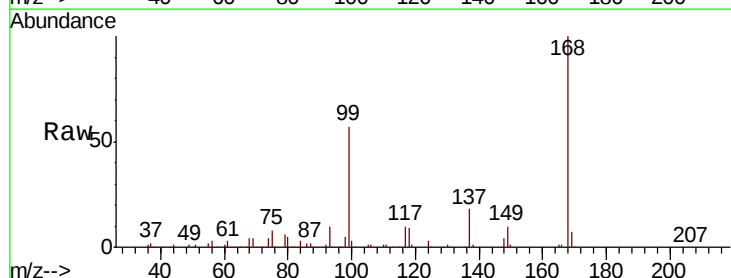
Instrument :
 MSVOA_W
 ClientSampleID :
 97-20

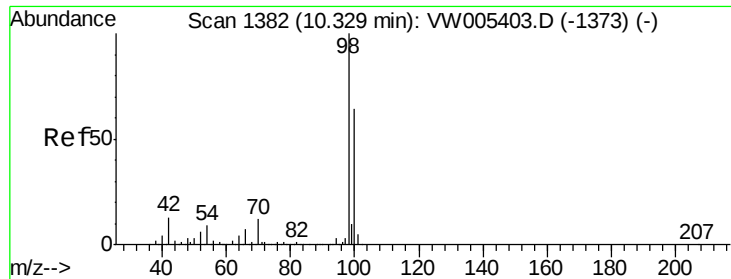
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.340 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005455.D
 Acq: 18 Sep 2018 02:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.8	115.2#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 31.516 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

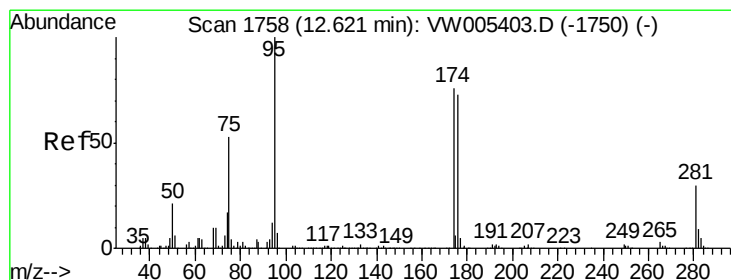
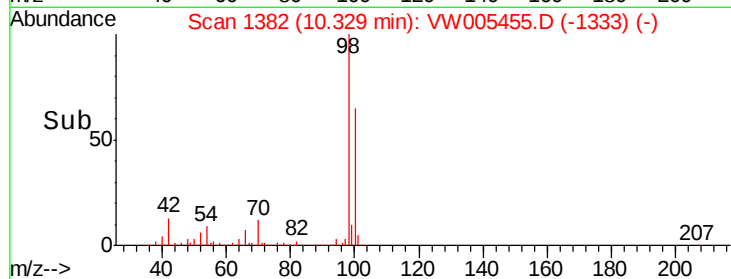
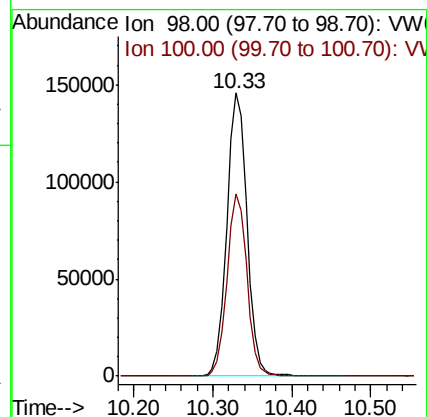
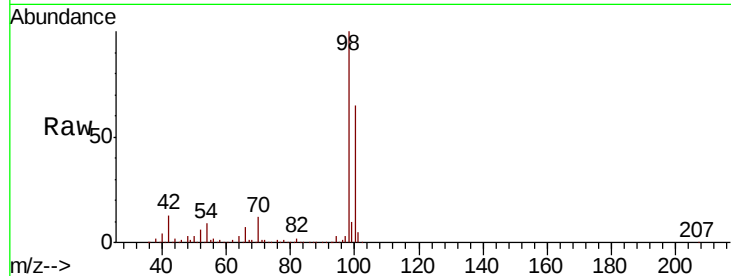
97-20

Tgt Ion: 98 Resp: 259308

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 20.350 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

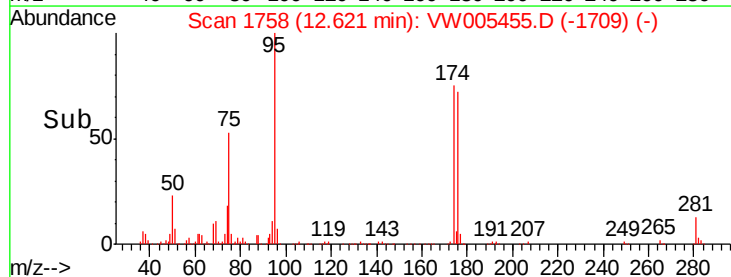
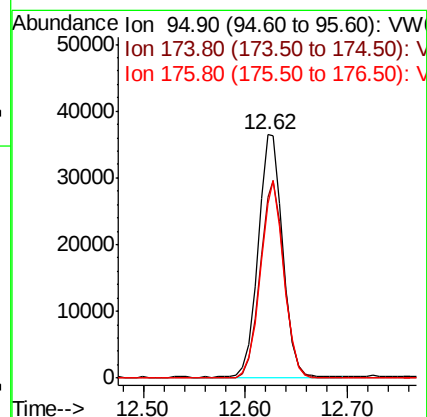
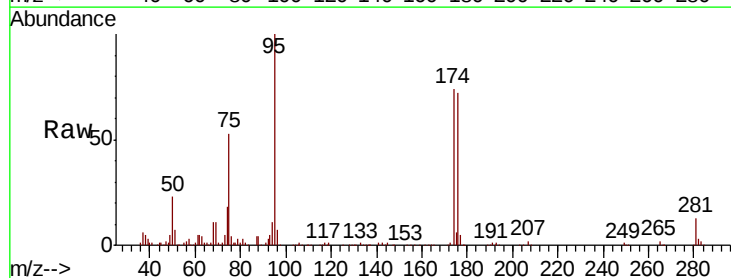
Tgt Ion: 95 Resp: 61395

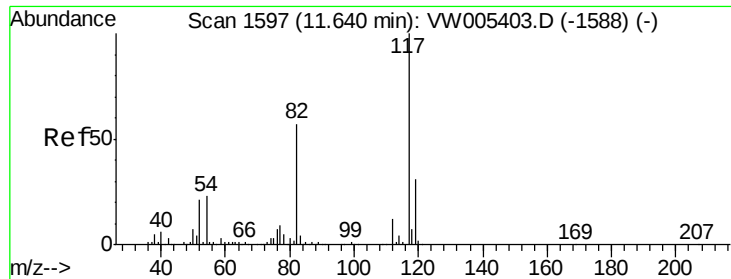
Ion Ratio Lower Upper

95 100

174 78.9 0.0 161.2

176 76.8 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: VW005455.D

Acq: 18 Sep 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

97-20

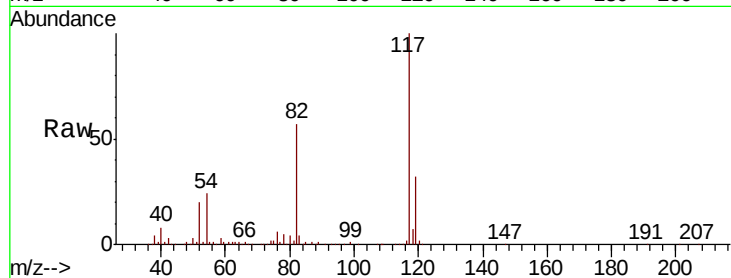
Tgt Ion:117 Resp: 217824

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

119 32.3 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

150000

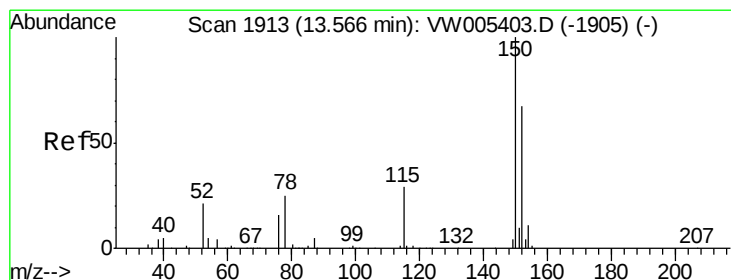
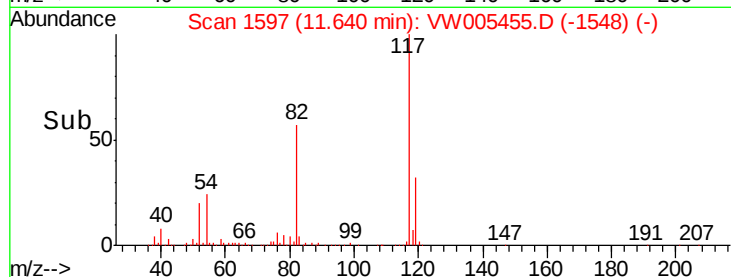
100000

50000

0

11.60 11.70

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005455.D

Acq: 18 Sep 2018 02:54

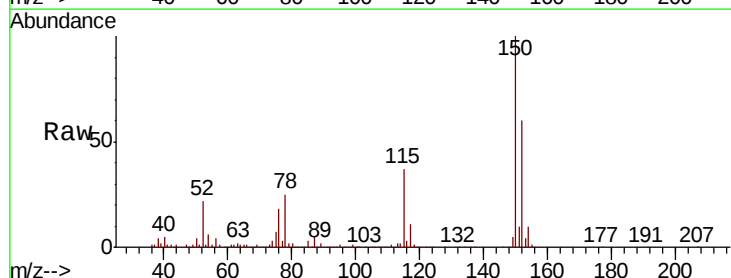
Tgt Ion:152 Resp: 53389

Ion Ratio Lower Upper

152 100

115 59.7 29.5 88.5

150 156.6 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

13.57

60000

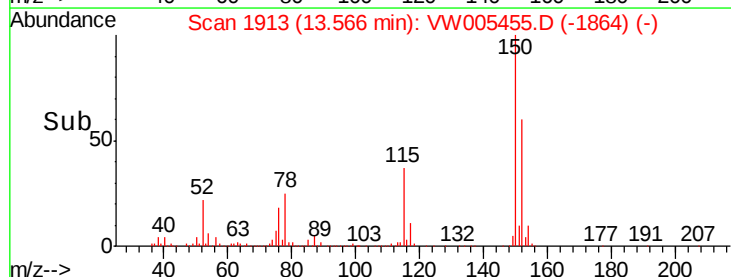
40000

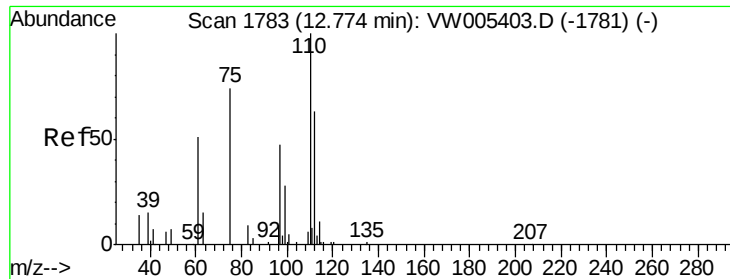
20000

0

13.50 13.55 13.60

Time-->

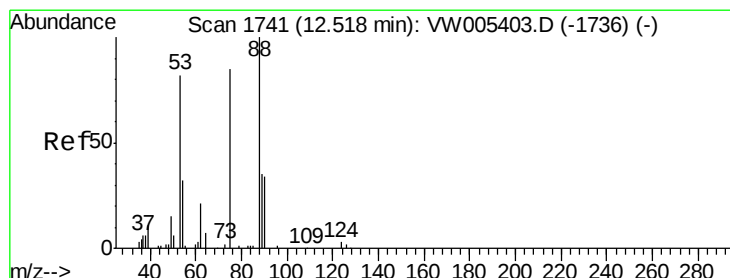
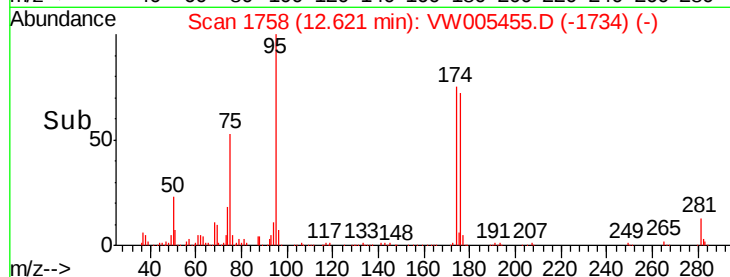
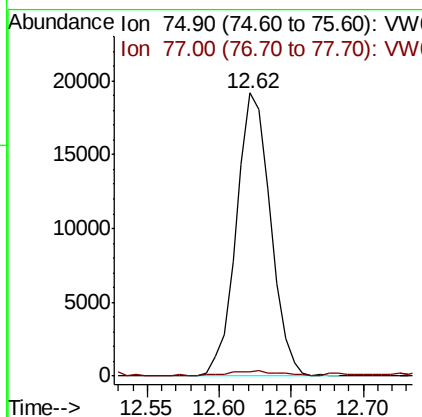
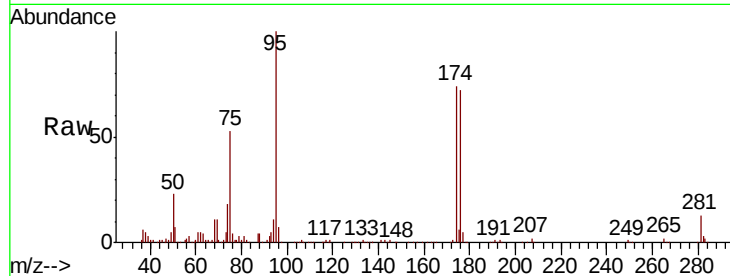




#76
 1,2,3-Trichloropropane
 Concen: 72.045 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005455.D
 Acq: 18 Sep 2018 02:54

Instrument :
 MSVOA_W
 ClientSampleId :
 97-20

Tgt Ion: 75 Resp: 31636
 Ion Ratio Lower Upper
 75 100
 77 3.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 186.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005455.D
 Acq: 18 Sep 2018 02:54

Tgt Ion: 75 Resp: 31636
 Ion Ratio Lower Upper
 75 100
 53 0.4 83.2 124.8#
 89 0.1 36.6 54.8#

