

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005497.D
 Acq On : 18 Sep 2018 23:00
 Operator : SY/AP
 Sample : J4947-01RE
 Misc : 3.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 97-20RE

Quant Time: Sep 19 06:02:18 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

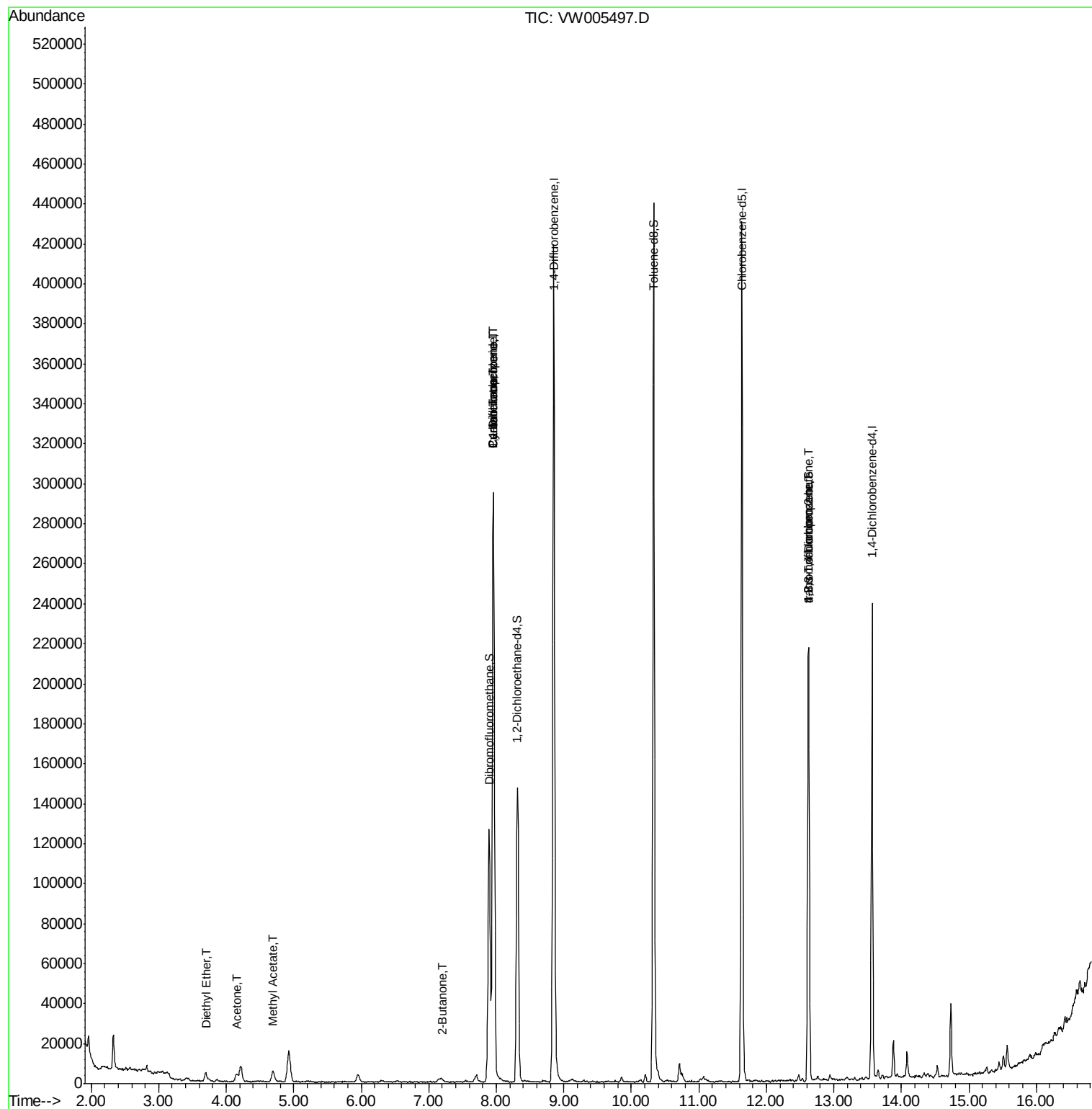
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	219350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	350964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	241300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	59593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	121164	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
35) Dibromofluoromethane	7.89	113	91942	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
50) Toluene-d8	10.33	98	292139	32.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.84%	
62) 4-Bromofluorobenzene	12.63	95	70448	21.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.64%	
Target Compounds						
2) Dichlorodifluoromethane	2.00	85	238	Below Cal		97
5) Bromomethane	2.78	94	242	Below Cal	#	60
8) Diethyl Ether	3.70	74	2110	2.210	ug/l	85
11) Tert butyl alcohol	5.22	59	894	Below Cal	#	71
13) Acrolein	3.85	56	20	Below Cal	#	1
16) Acetone	4.16	43	7961	6.784	ug/l	98
18) Methyl Acetate	4.69	43	11267	10.298	ug/l	98
20) Methylene Chloride	4.93	84	11453	Below Cal		98
25) 2-Butanone	7.20	43	2467	4.504	ug/l #	89
31) Cyclohexane	7.96	56	5152	1.418	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	17617	5.304	ug/l #	51
38) Carbon Tetrachloride	7.96	117	21389	6.180	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	36462	74.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36462	192.975	ug/l #	8

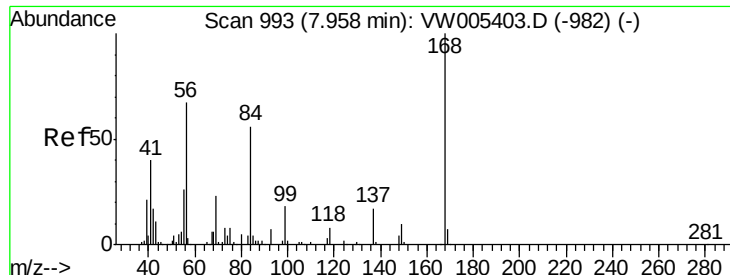
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

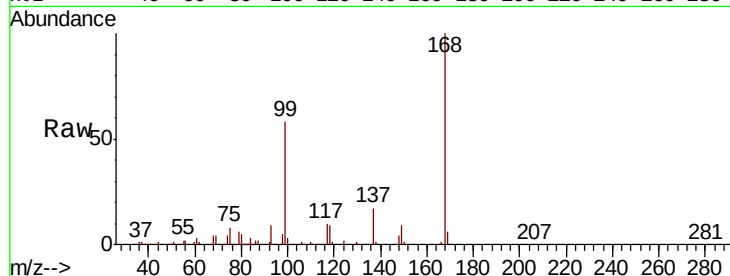
97-20RE

Tgt Ion:168 Resp: 219350

Ion Ratio Lower Upper

168 100

99 58.0 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

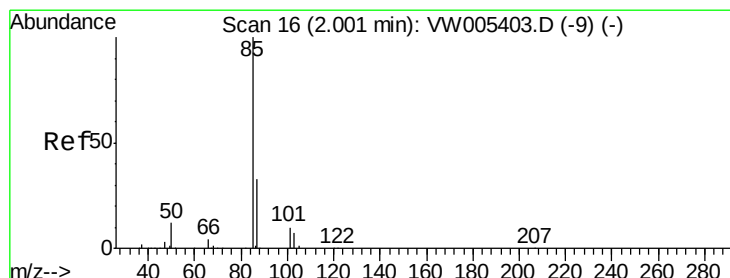
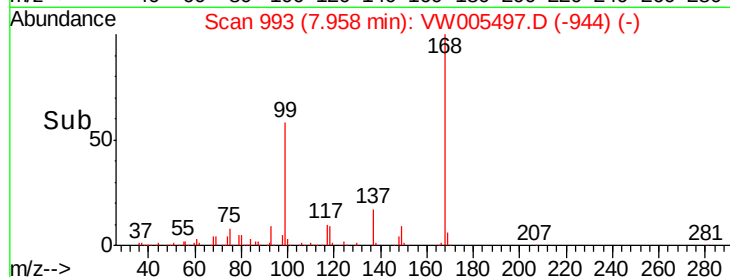
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005497.D

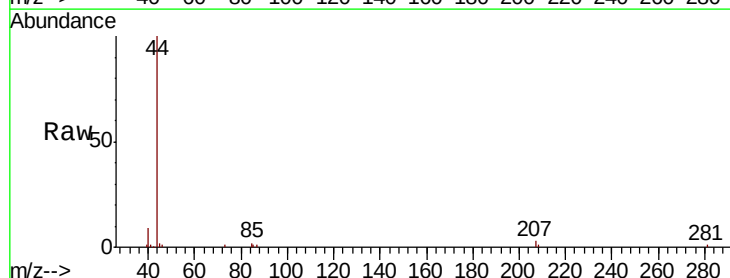
Acq: 18 Sep 2018 23:00

Tgt Ion: 85 Resp: 238

Ion Ratio Lower Upper

85 100

87 30.9 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

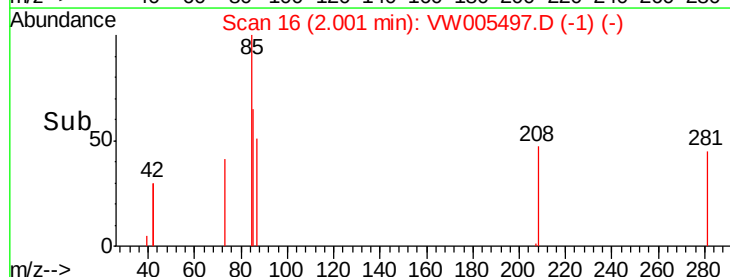
300

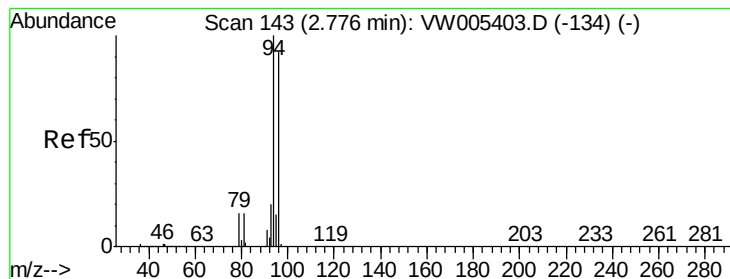
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

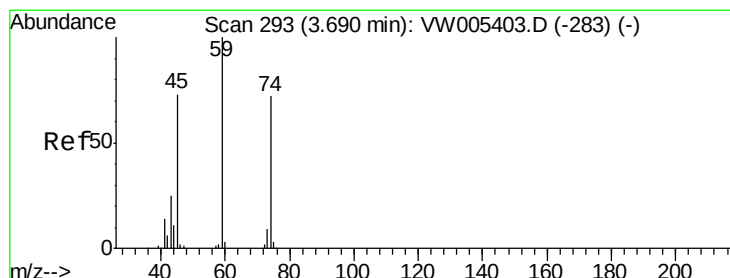
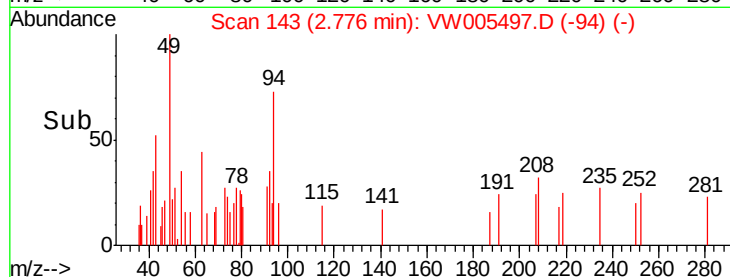
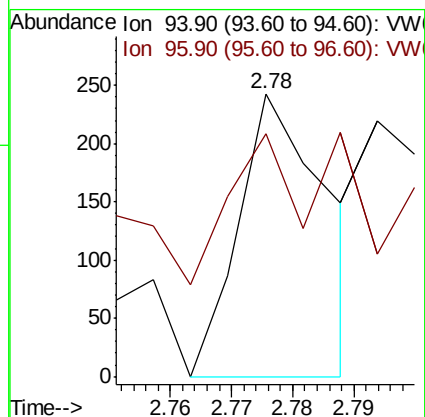
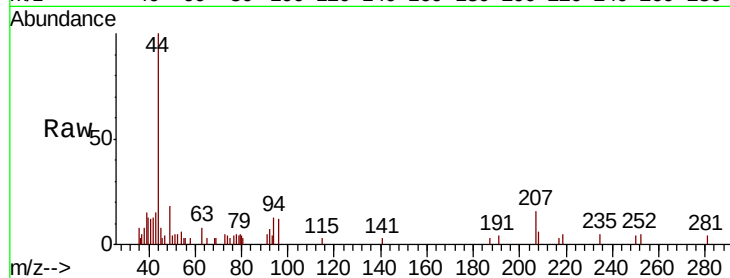
97-20RE

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

94 100

96 53.5 73.7 110.5#



#8

Diethyl Ether

Concen: 2.210 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005497.D

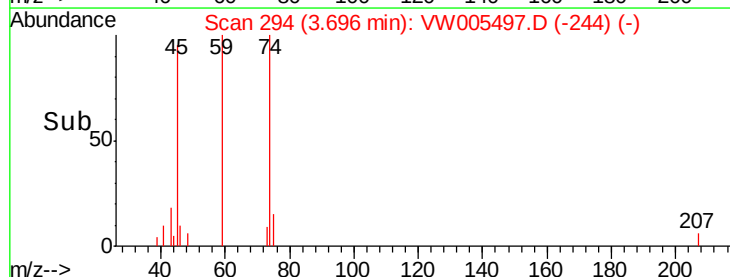
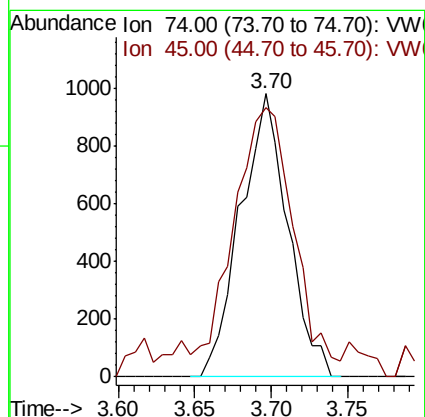
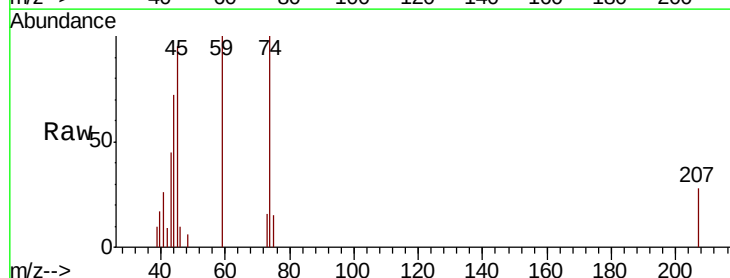
Acq: 18 Sep 2018 23:00

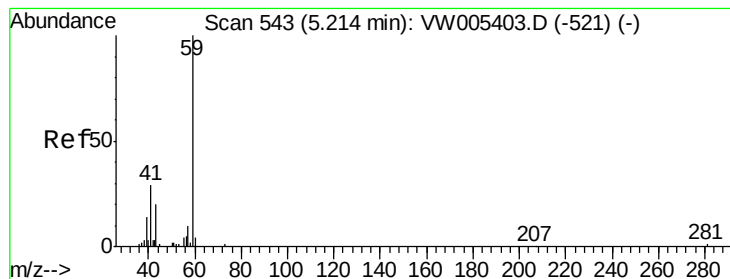
Tgt Ion: 74 Resp: 2110

Ion Ratio Lower Upper

74 100

45 121.8 53.1 159.3



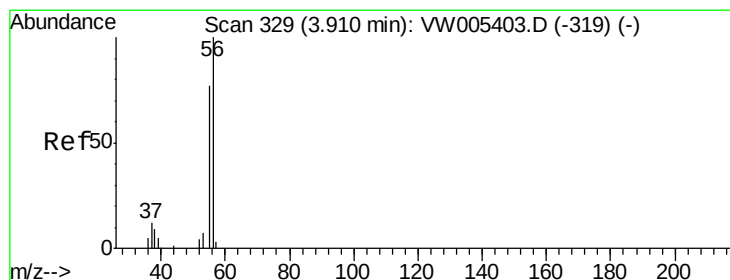
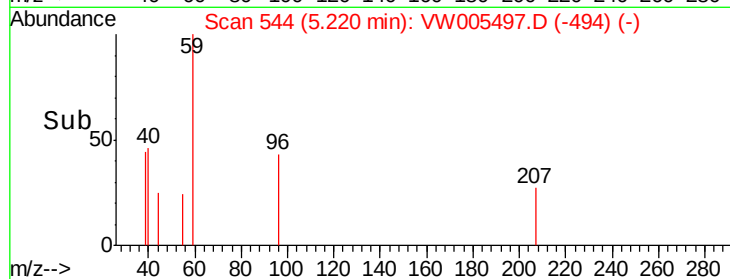
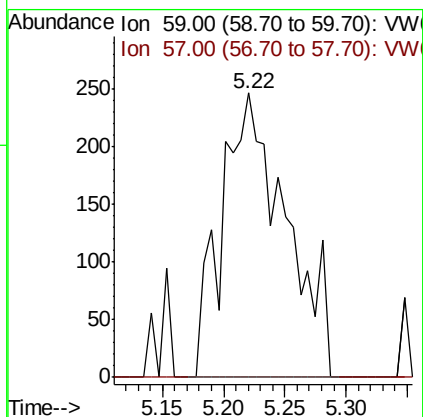
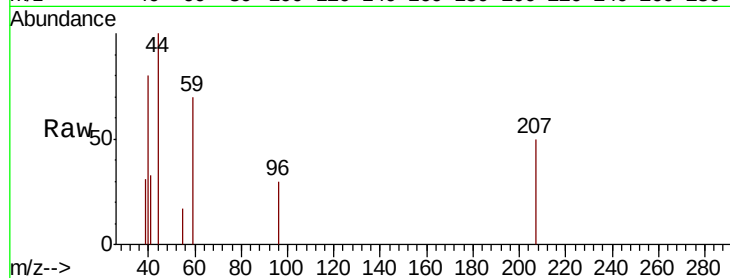


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

Instrument :
 MSVOA_W
 ClientSampled :
 97-20RE

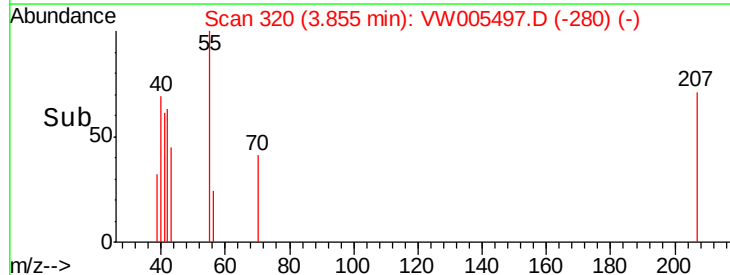
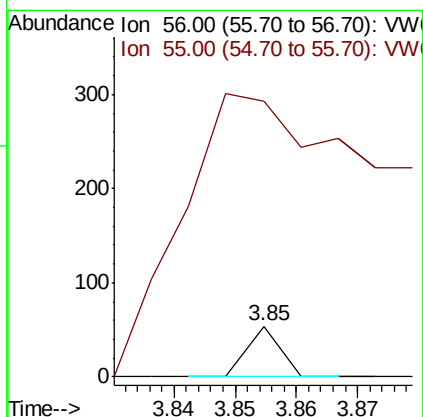
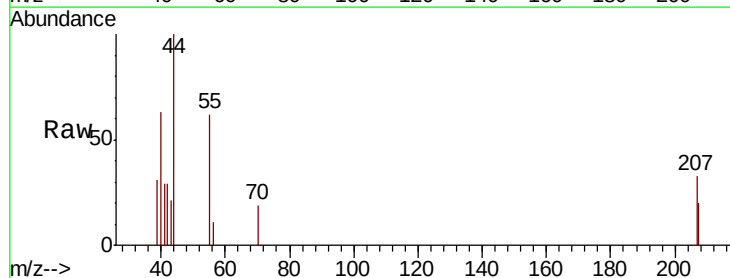
Tgt Ion: 59 Resp: 894
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

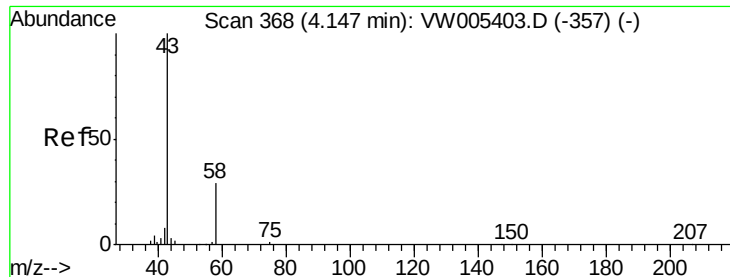


#13

Acrolein
 Concen: Below Cal
 RT: 3.85 min Scan# 320
 Delta R.T. -0.05 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 3970.0 59.8 89.8#





#16

Acetone

Concen: 6.784 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

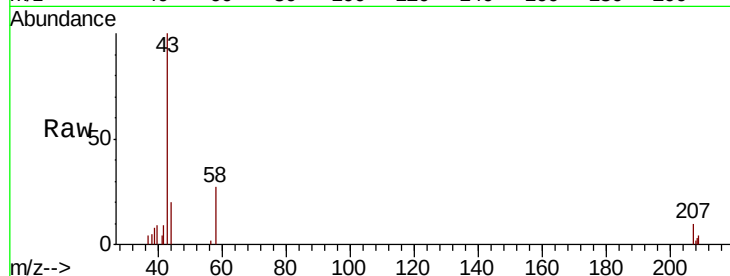
97-20RE

Tgt Ion: 43 Resp: 7961

Ion Ratio Lower Upper

43 100

58 27.4 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

1000

500

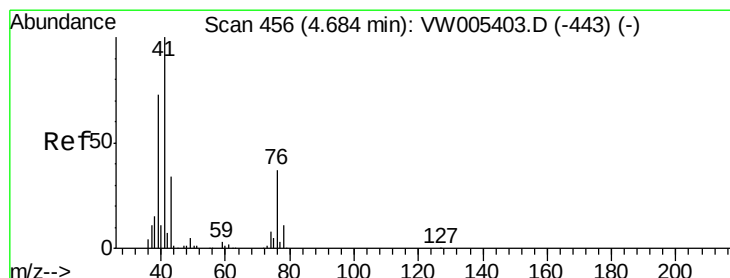
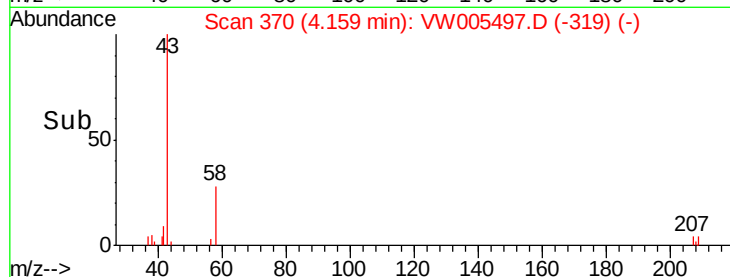
0

4.10

4.20

4.30

Time-->



#18

Methyl Acetate

Concen: 10.298 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005497.D

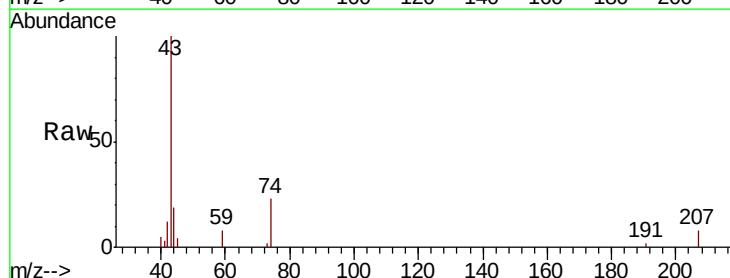
Acq: 18 Sep 2018 23:00

Tgt Ion: 43 Resp: 11267

Ion Ratio Lower Upper

43 100

74 21.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4000

3000

2000

1000

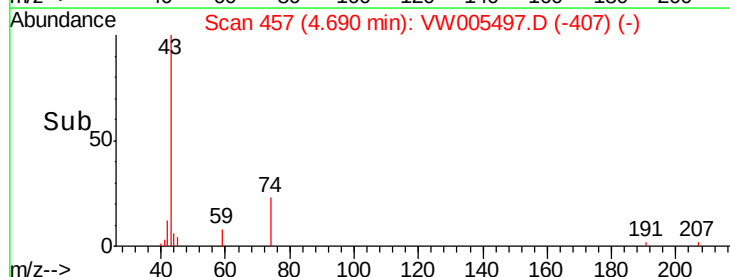
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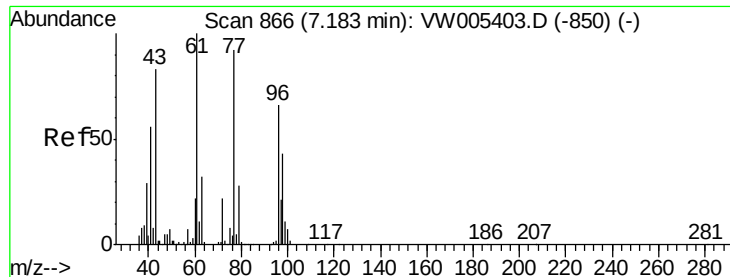
4.60

4.70

4.80

Time-->

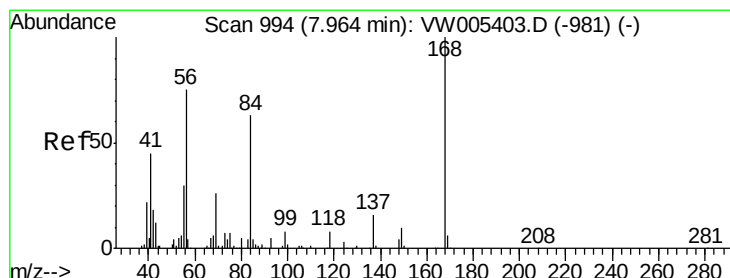
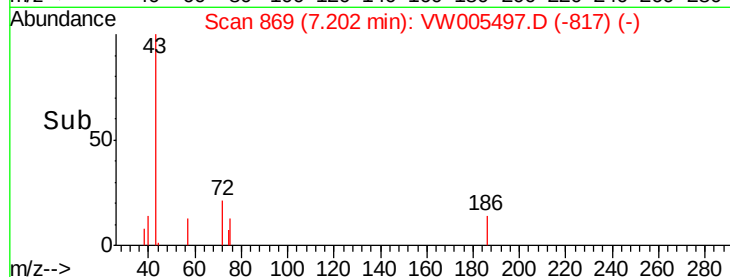
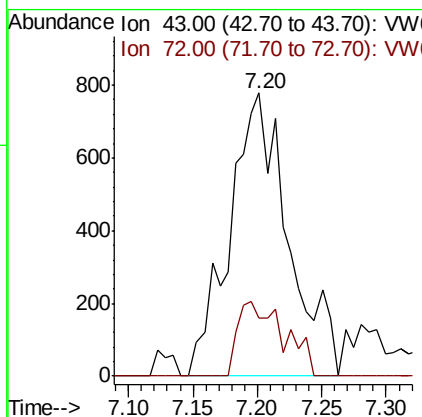
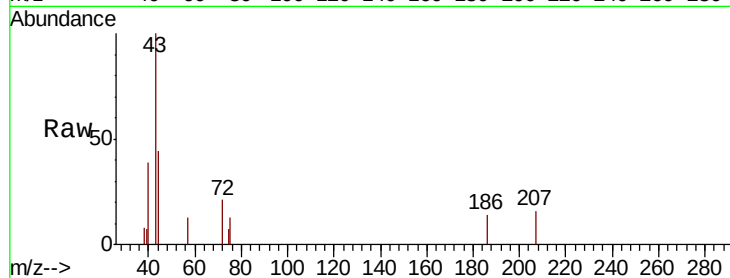




#25
2-Butanone
Concen: 4.504 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: VW005497.D
Acq: 18 Sep 2018 23:00

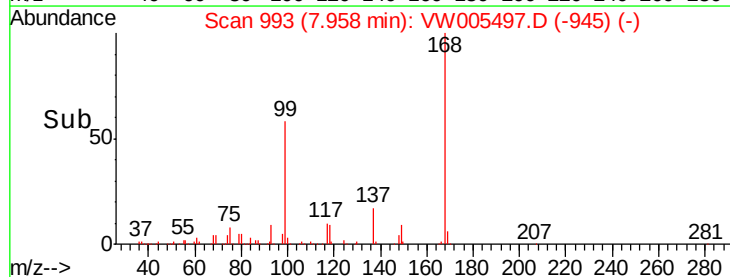
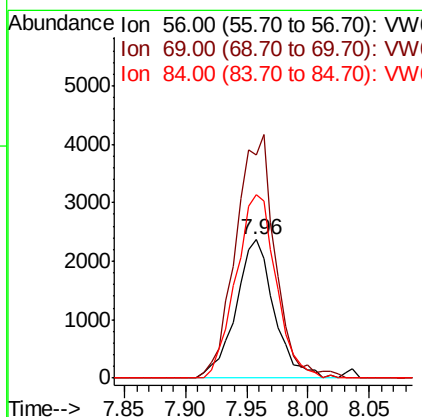
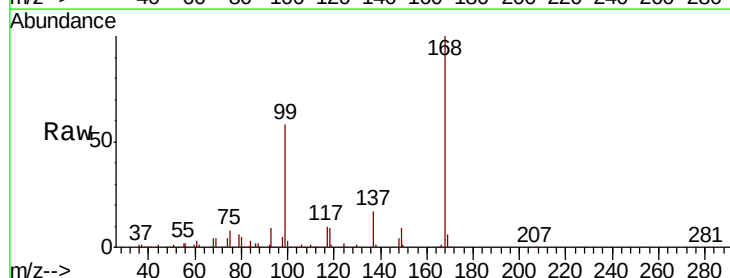
Instrument :
MSVOA_W
ClientSampleId :
97-20RE

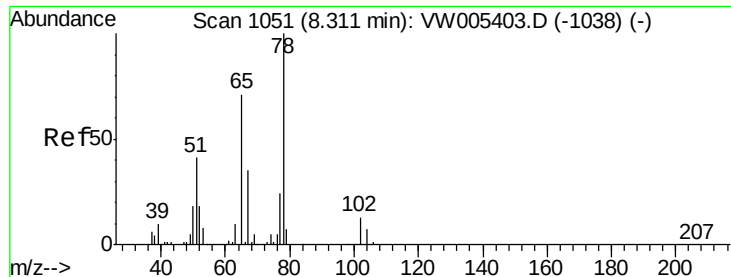
Tgt Ion: 43 Resp: 2467
Ion Ratio Lower Upper
43 100
72 20.7 21.1 31.7#



#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005497.D
Acq: 18 Sep 2018 23:00

Tgt Ion: 56 Resp: 5152
Ion Ratio Lower Upper
56 100
69 161.9 27.2 40.8#
84 133.1 66.7 100.1#

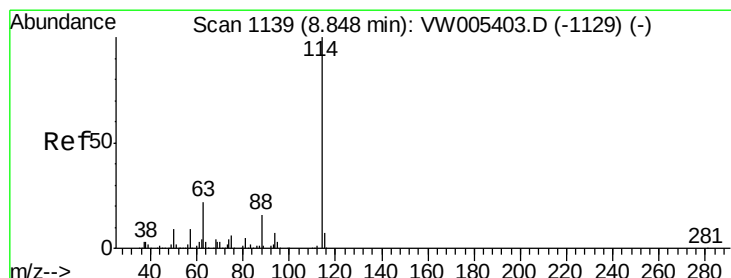
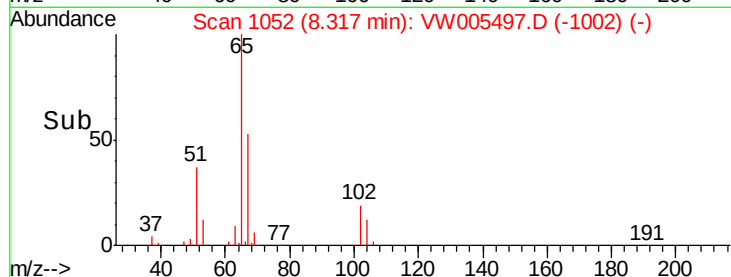
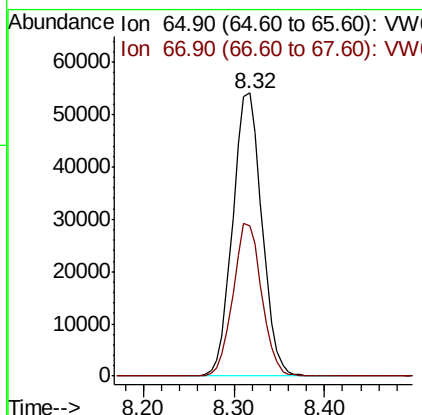
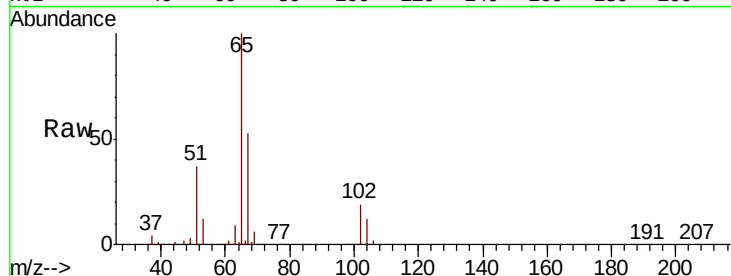




#33
 1,2-Dichloroethane-d4
 Concen: 53.215 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

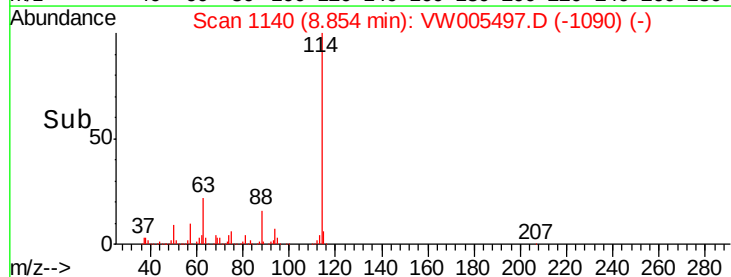
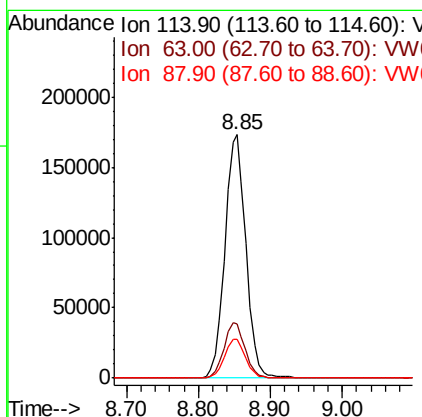
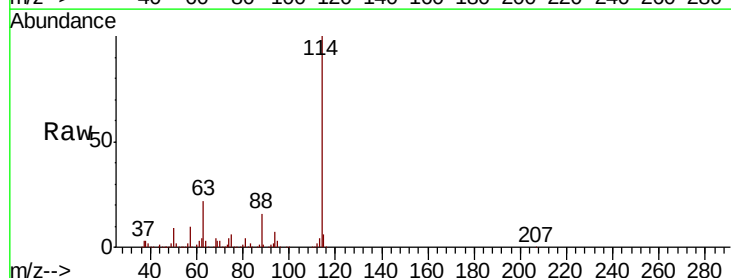
Instrument :
 MSVOA_W
 ClientSampleId :
 97-20RE

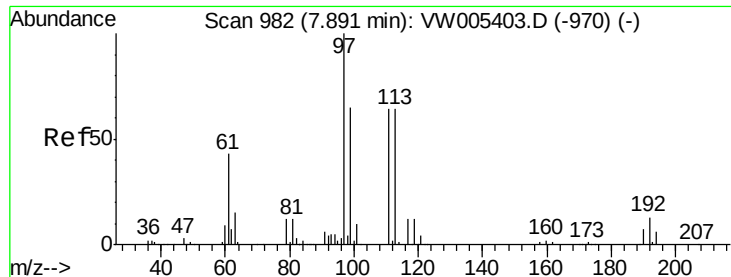
Tgt Ion: 65 Resp: 121164
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

Tgt Ion: 114 Resp: 350964
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 16.0 0.0 31.8

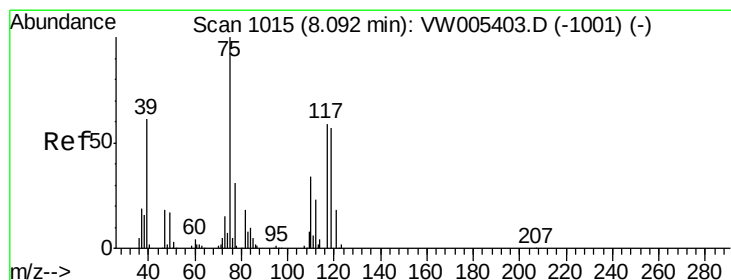
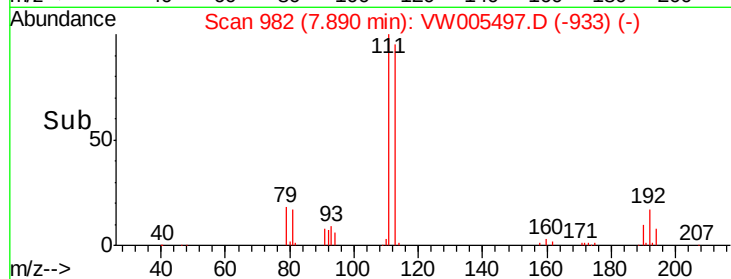
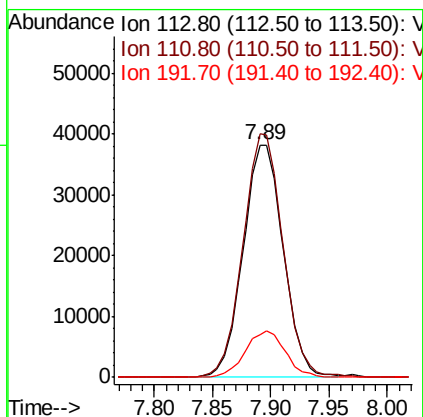
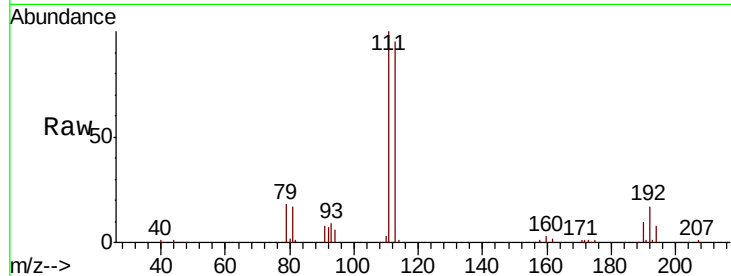




#35
 Dibromofluoromethane
 Concen: 46.723 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

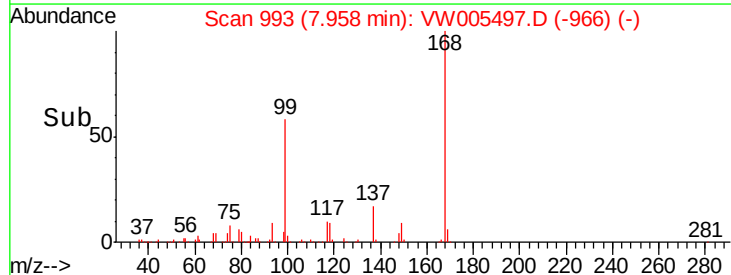
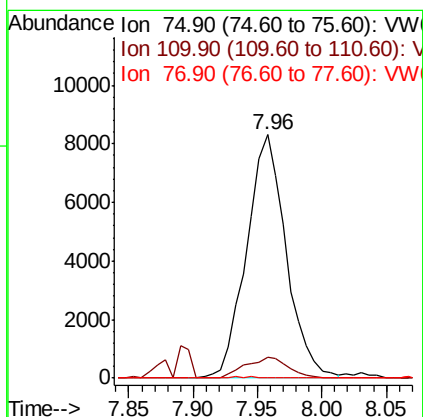
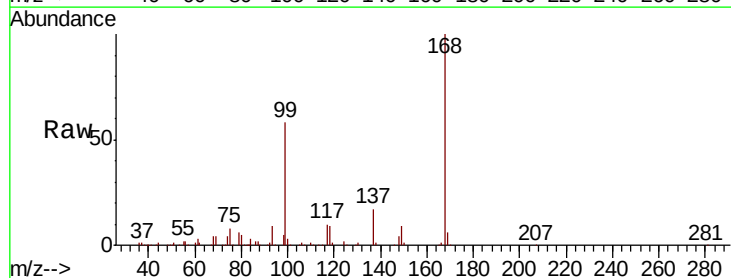
Instrument :
 MSVOA_W
 ClientSampleId :
 97-20RE

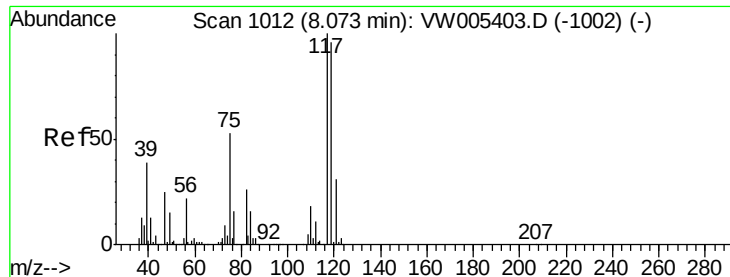
Tgt Ion: 113 Resp: 91942
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.3 123.5
 192 19.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.304 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005497.D
 Acq: 18 Sep 2018 23:00

Tgt Ion: 75 Resp: 17617
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.8 50.4#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

97-20RE

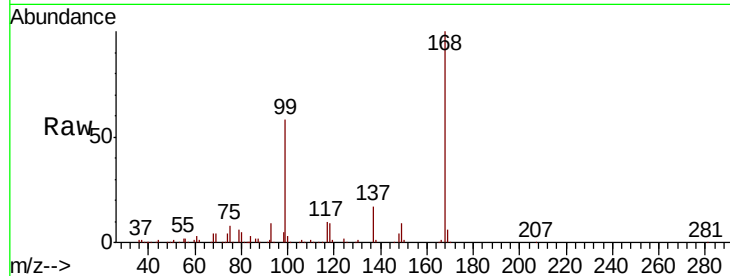
Tgt Ion:117 Resp: 21389

Ion Ratio Lower Upper

117 100

119 5.9 76.8 115.2#

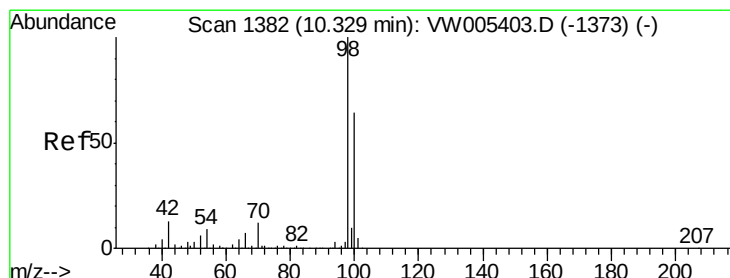
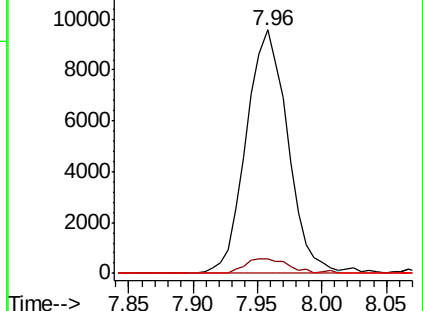
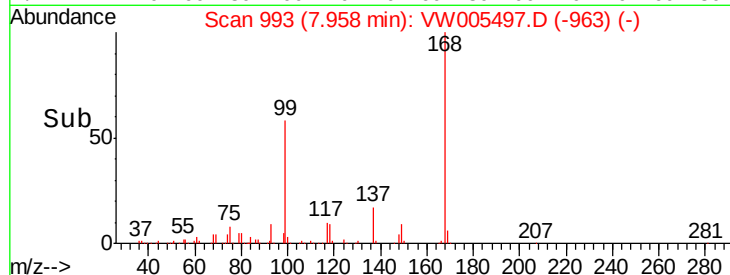
121 0.0 24.7 37.1#



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: 32.418 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005497.D

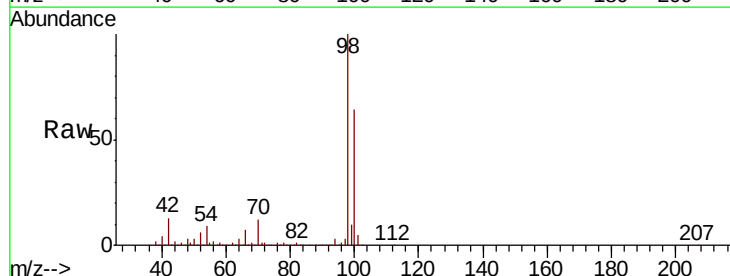
Acq: 18 Sep 2018 23:00

Tgt Ion: 98 Resp: 292139

Ion Ratio Lower Upper

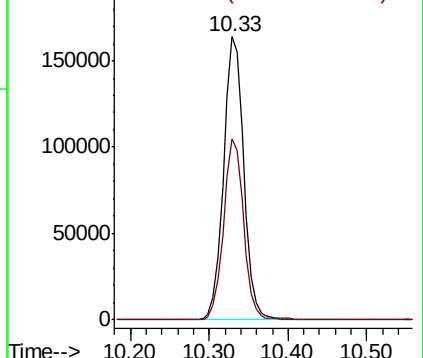
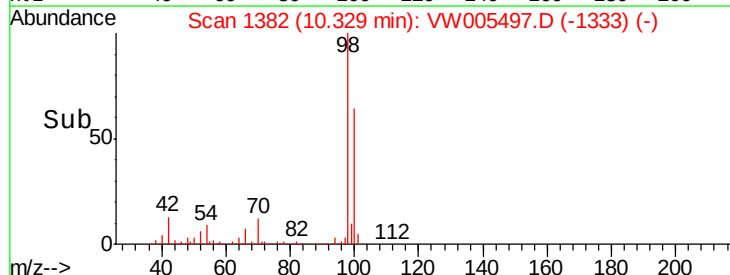
98 100

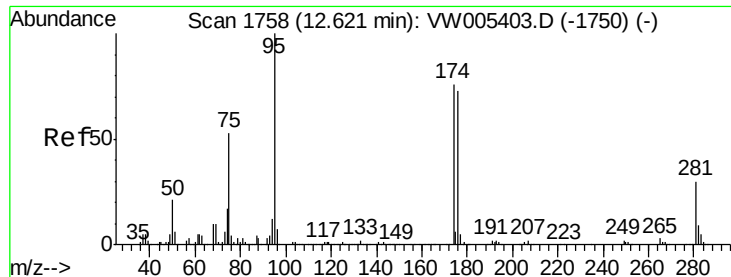
100 63.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

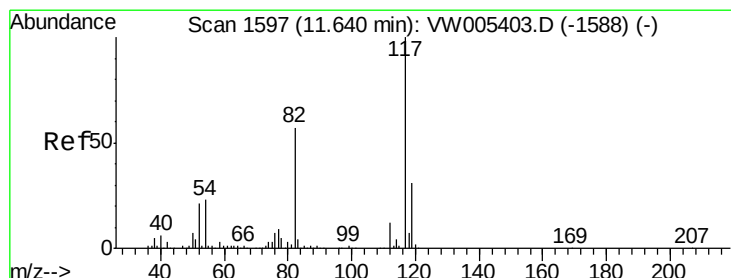
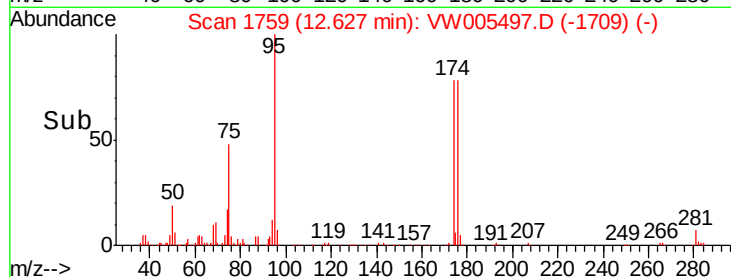
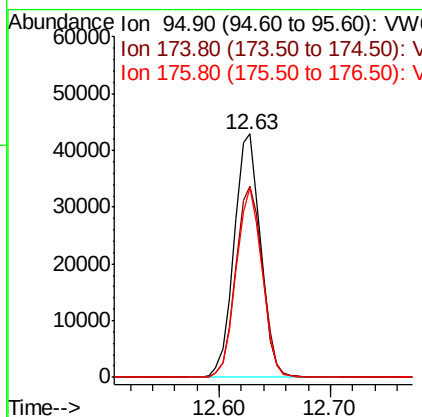
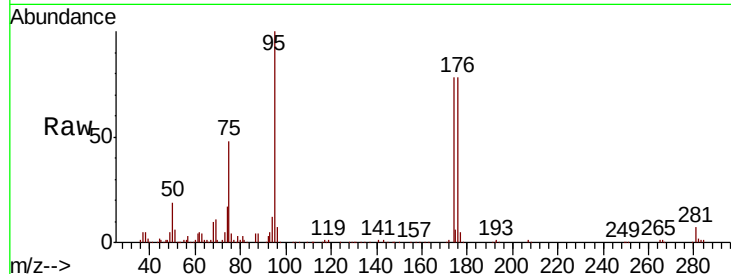




#62
4-Bromofluorobenzene
Concen: 21.320 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005497.D
Acq: 18 Sep 2018 23:00

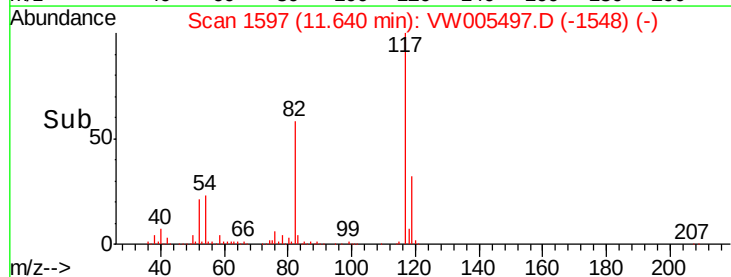
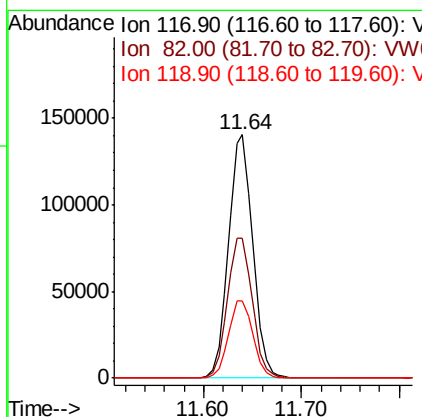
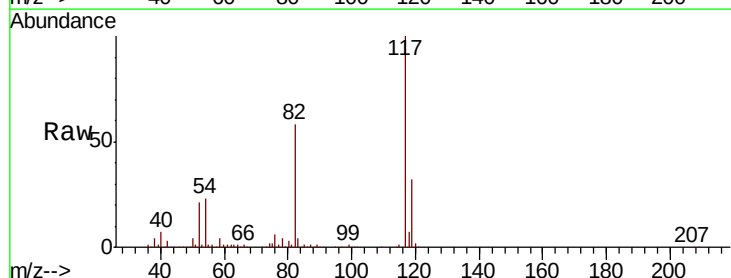
Instrument :
MSVOA_W
ClientSampleId :
97-20RE

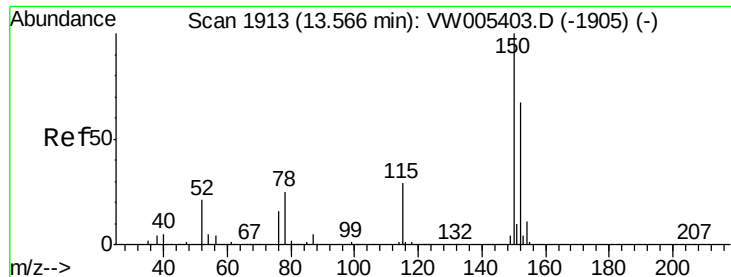
Tgt Ion: 95 Resp: 70448
Ion Ratio Lower Upper
95 100
174 80.0 0.0 161.2
176 76.2 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005497.D
Acq: 18 Sep 2018 23:00

Tgt Ion: 117 Resp: 241300
Ion Ratio Lower Upper
117 100
82 57.6 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: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

97-20RE

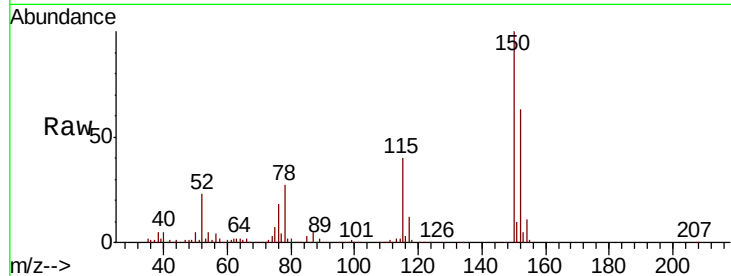
Tgt Ion:152 Resp: 59593

Ion Ratio Lower Upper

152 100

115 61.7 29.5 88.5

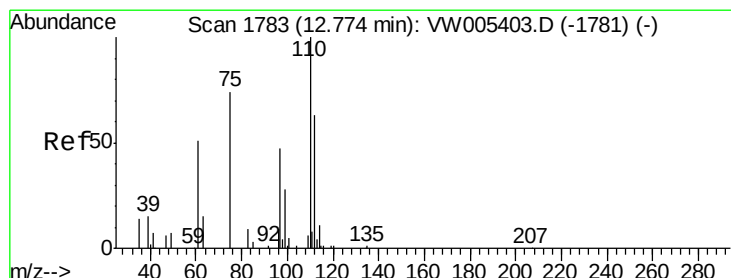
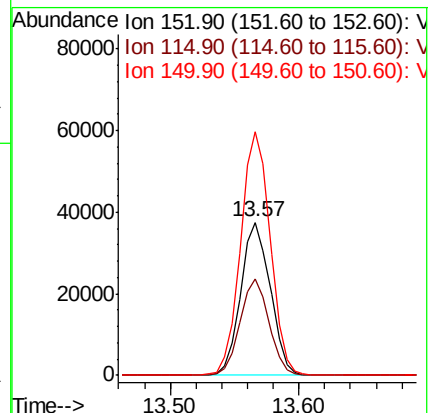
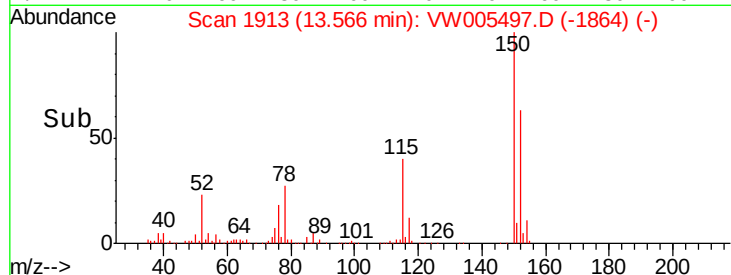
150 159.1 0.0 345.6



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: 74.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005497.D

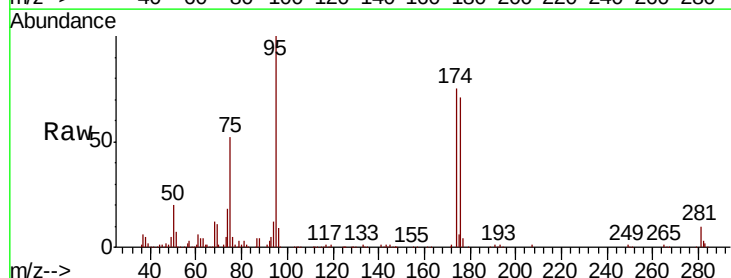
Acq: 18 Sep 2018 23:00

Tgt Ion: 75 Resp: 36462

Ion Ratio Lower Upper

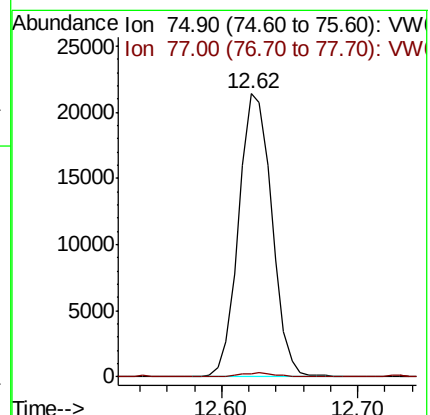
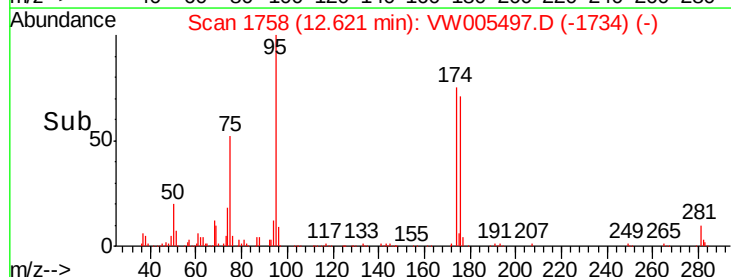
75 100

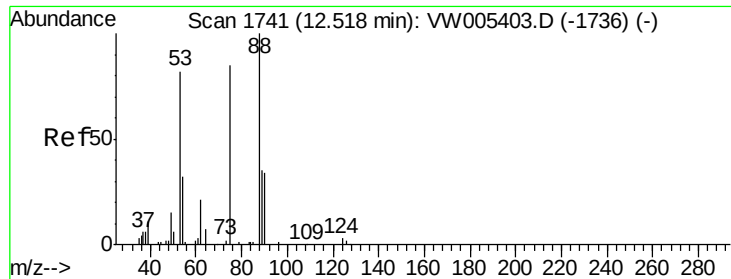
77 1.7 0.0 0.0#



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: 192.975 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005497.D

Acq: 18 Sep 2018 23:00

Instrument :

MSVOA_W

ClientSampleId :

97-20RE

Tgt Ion: 75 Resp: 36462

Ion Ratio Lower Upper

75 100

53 0.4 83.2 124.8#

89 0.1 36.6 54.8#

