

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005551.D
 Acq On : 21 Sep 2018 11:05
 Operator : VA/AP
 Sample : VW0922SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:48:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	375171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	338852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	172490	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	136224	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	7.88	113	112893	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.33	98	450578	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.63	95	157932	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	

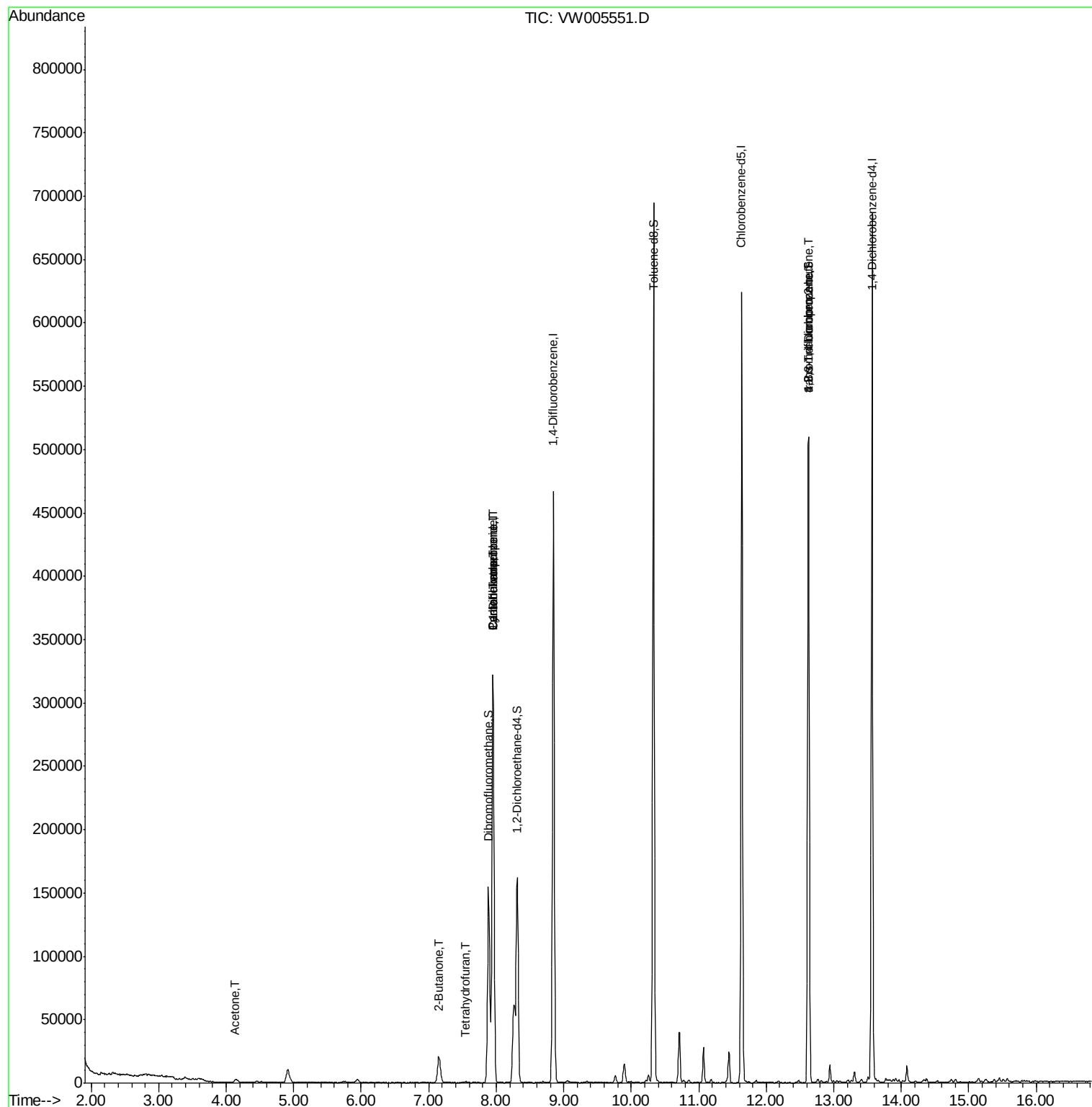
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	48	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	268	Below Cal		98
13) Acrolein	3.90	56	57	Below Cal	#	13
16) Acetone	4.14	43	5782	3.828	ug/l	92
20) Methylene Chloride	4.92	84	7725	Below Cal		92
25) 2-Butanone	7.15	43	1417	2.081	ug/l	# 50
29) Tetrahydrofuran	7.54	42	447	1.051	ug/l	# 78
31) Cyclohexane	7.95	56	5545	1.276	ug/l	# 5
36) 1,1-Dichloropropene	7.95	75	18542	4.910	ug/l	# 51
38) Carbon Tetrachloride	7.95	117	23920	5.910	ug/l	# 17
76) 1,2,3-Trichloropropane	12.63	75	83738	56.951	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	83738	128.270	ug/l	# 7

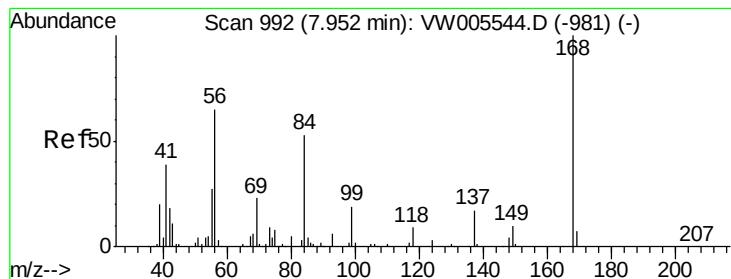
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005551.D

Acq: 21 Sep 2018 11:05

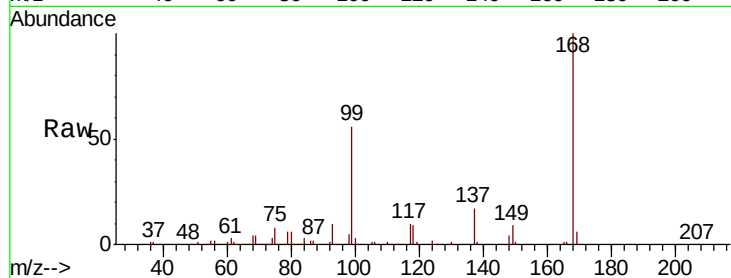
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 237956

Ion Ratio Lower Upper

168 100

99 56.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

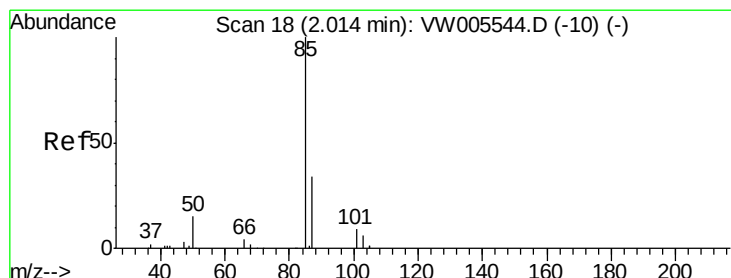
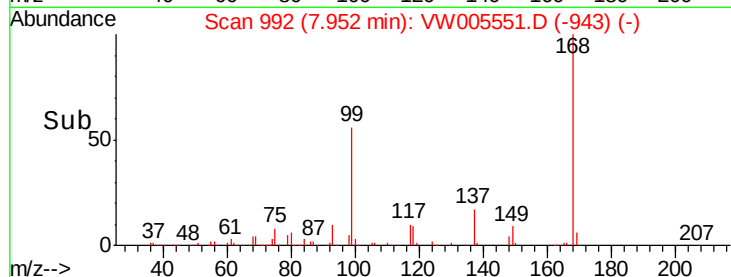
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005551.D

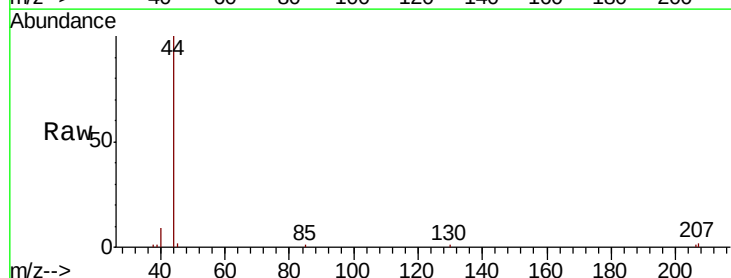
Acq: 21 Sep 2018 11:05

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80

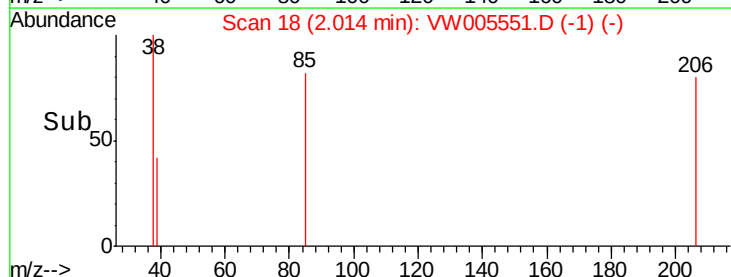
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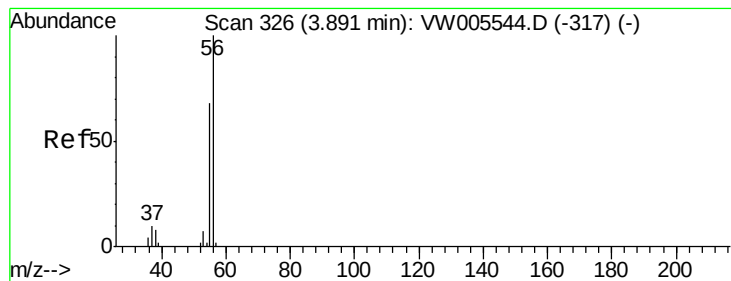
40

20

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005551.D

Acq: 21 Sep 2018 11:05

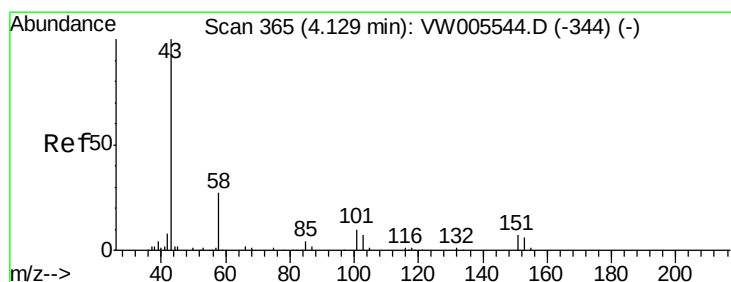
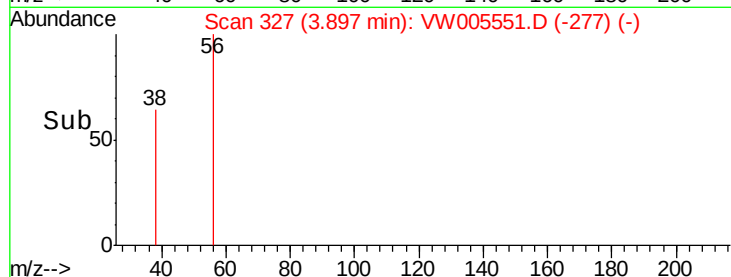
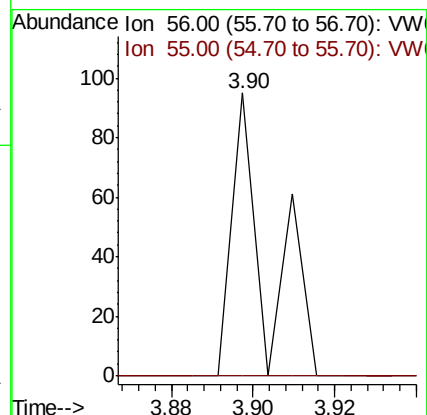
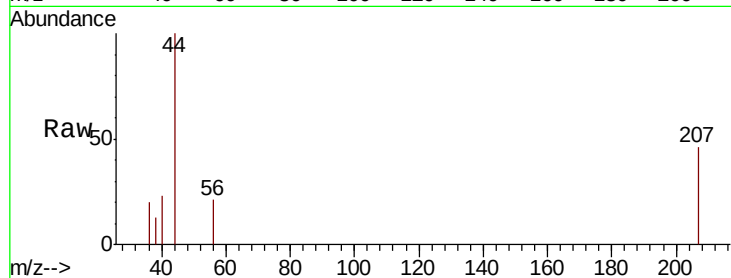
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



#16

Acetone

Concen: 3.828 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005551.D

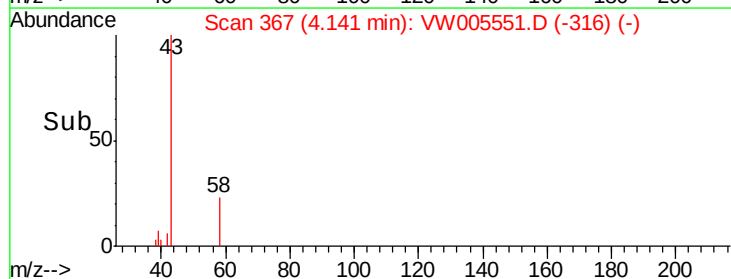
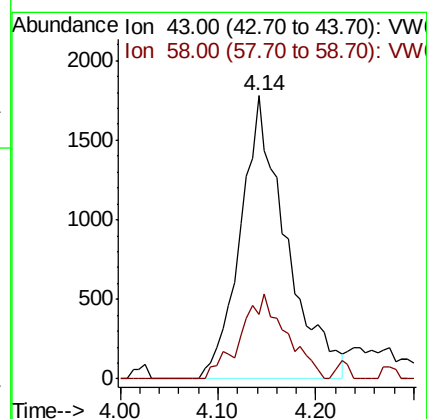
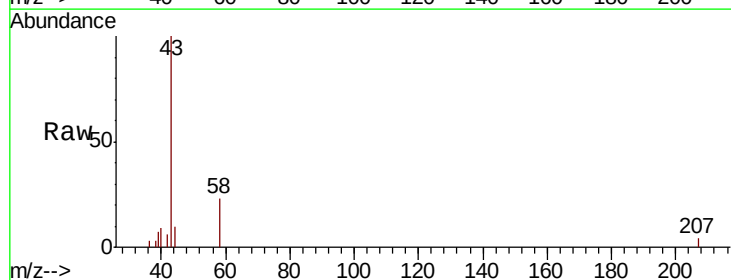
Acq: 21 Sep 2018 11:05

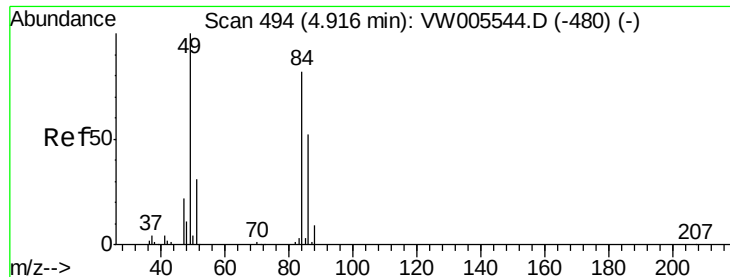
Tgt Ion: 43 Resp: 5782

Ion Ratio Lower Upper

43 100

58 22.9 21.8 32.8

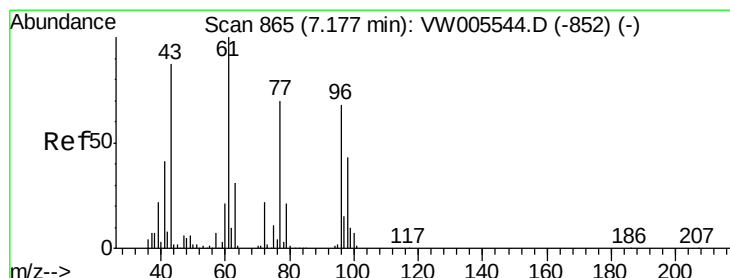
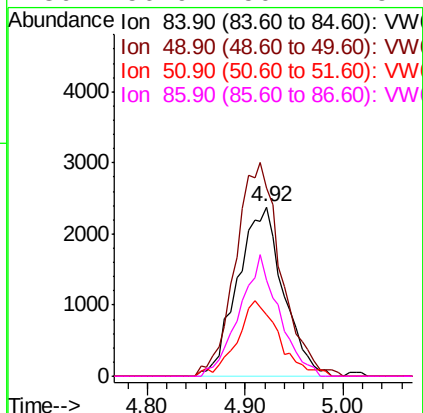
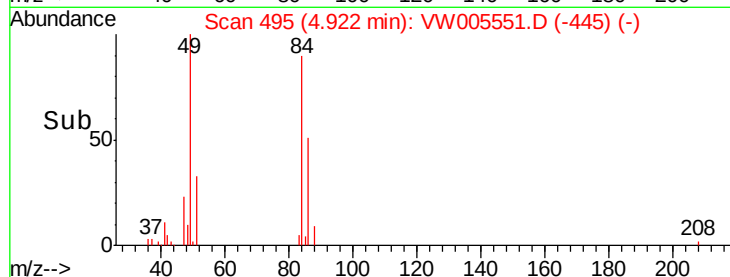
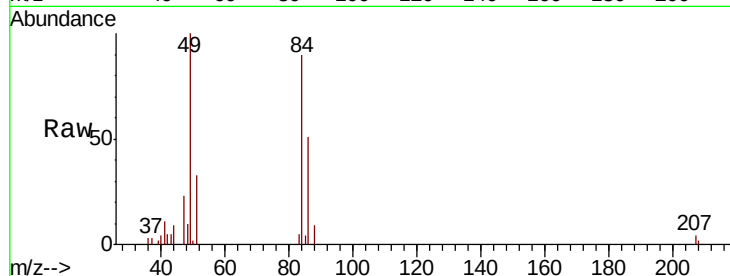




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

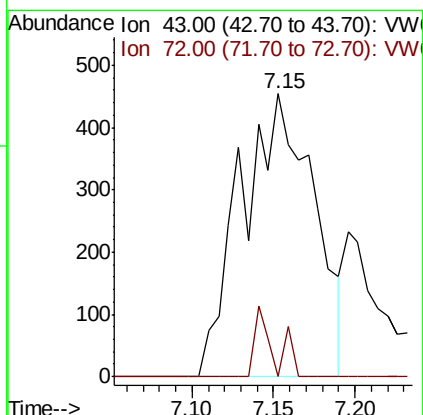
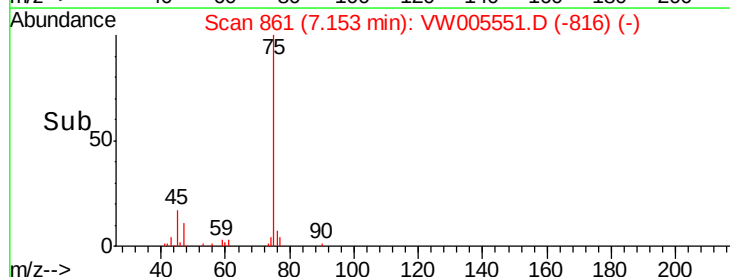
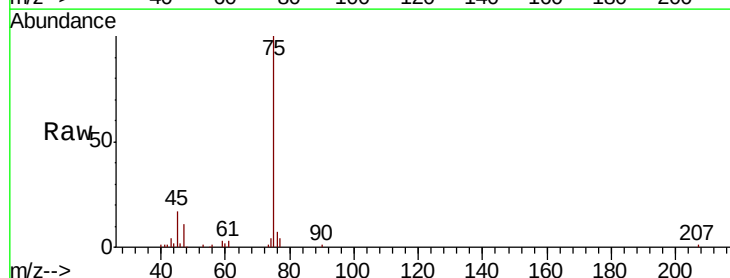
Instrument :
MSVOA_W
ClientSampleId :

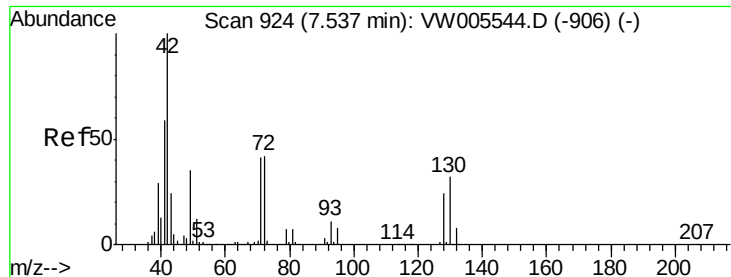
Tot Ion: 84 Resp: 7725
Ion Ratio Lower Upper
84 100
49 110.9 97.0 145.6
51 36.5 30.2 45.2
86 56.9 50.2 75.4



#25
2-Butanone
Concen: 2.081 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

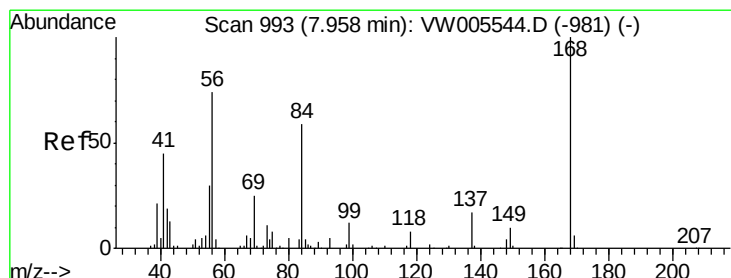
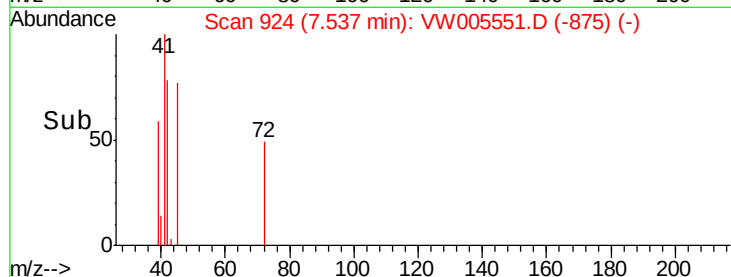
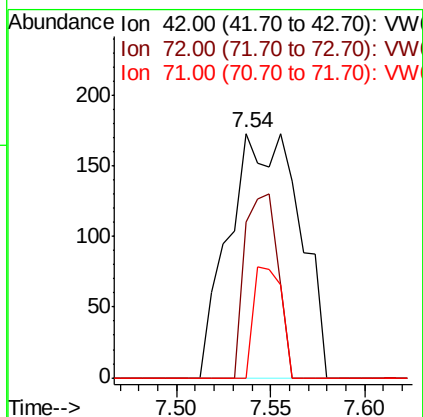
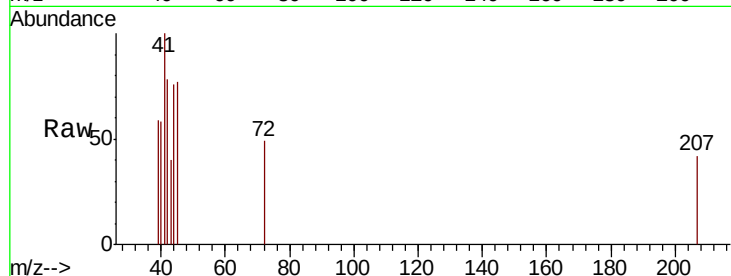




#29
Tetrahydrofuran
Concen: 1.051 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

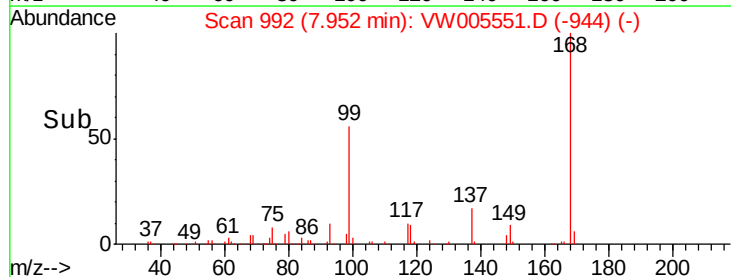
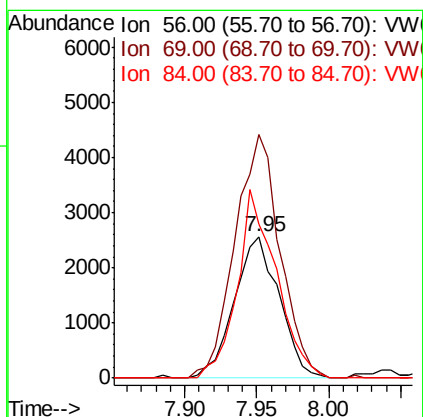
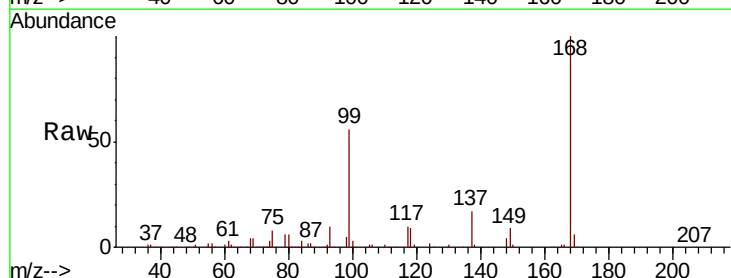
Instrument :
MSVOA_W
ClientSampled :

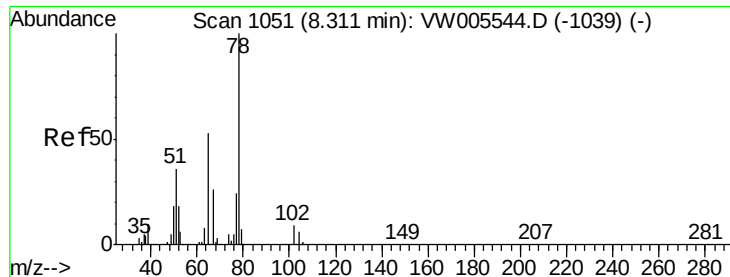
Tot Ion: 42 Resp: 447
Ion Ratio Lower Upper
42 100
72 35.3 33.6 50.4
71 18.1 31.8 47.6#



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

Tgt Ion: 56 Resp: 5545
Ion Ratio Lower Upper
56 100
69 172.2 27.0 40.4#
84 109.2 64.2 96.4#

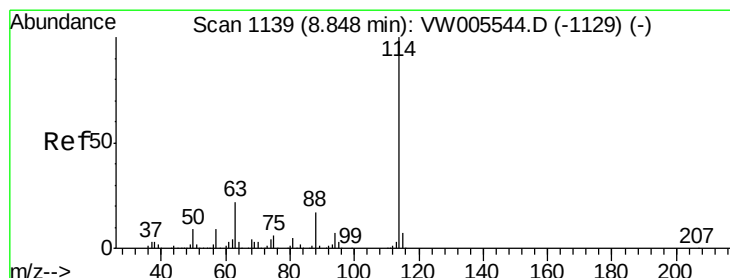
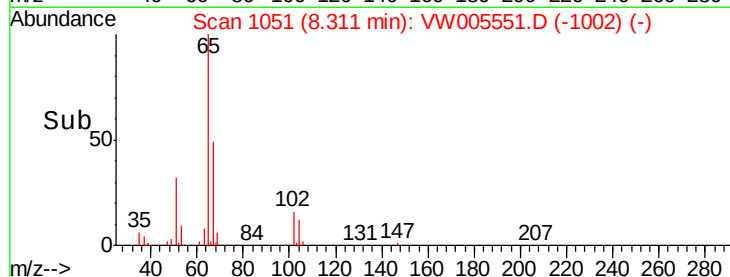
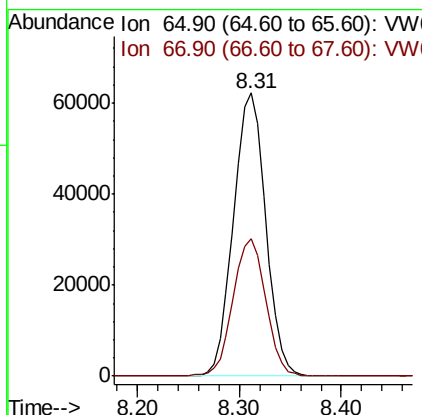
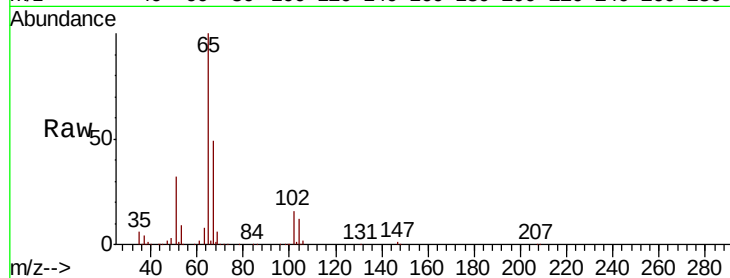




#33
 1,2-Dichloroethane-d4
 Concen: 48.594 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005551.D
 Acq: 21 Sep 2018 11:05

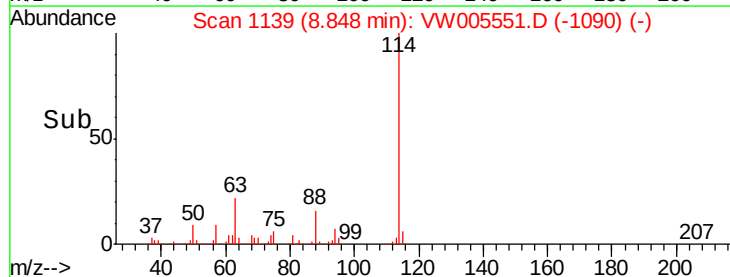
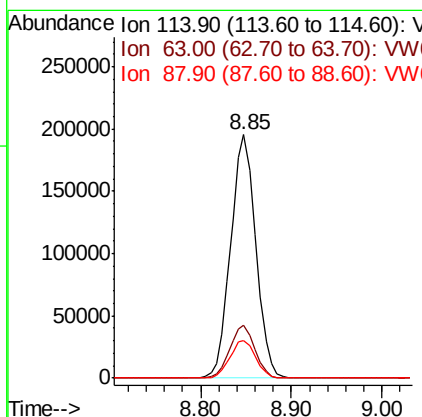
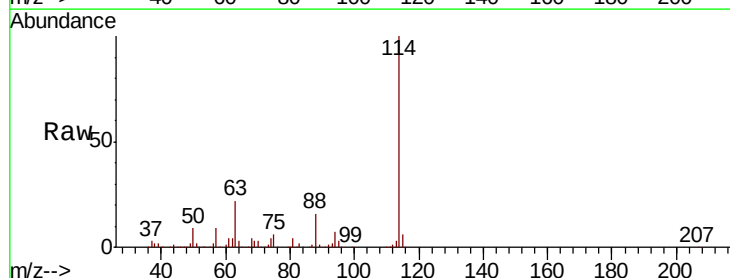
Instrument :
 MSVOA_W
 ClientSampleId :

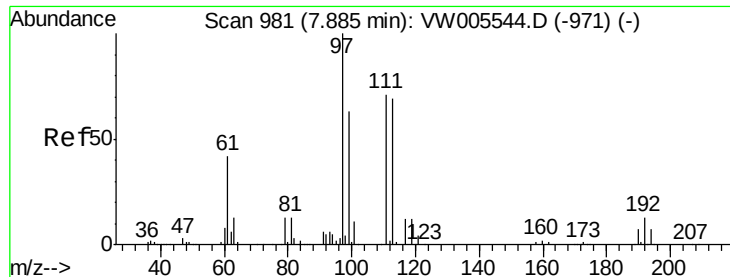
Tot Ion: 65 Resp: 136224
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005551.D
 Acq: 21 Sep 2018 11:05

Tgt Ion: 114 Resp: 375171
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.0
 88 15.6 0.0 33.0

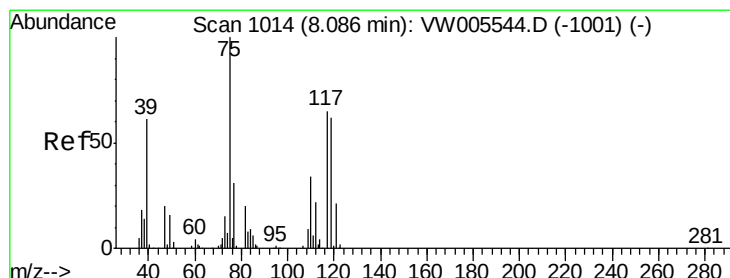
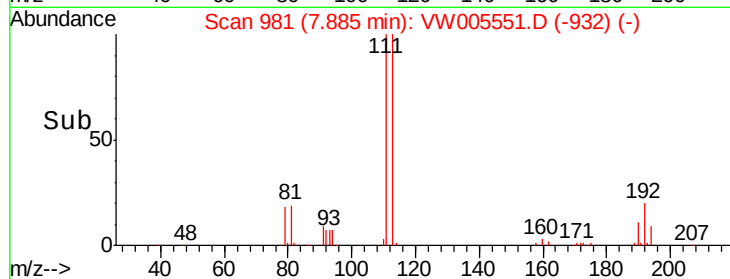
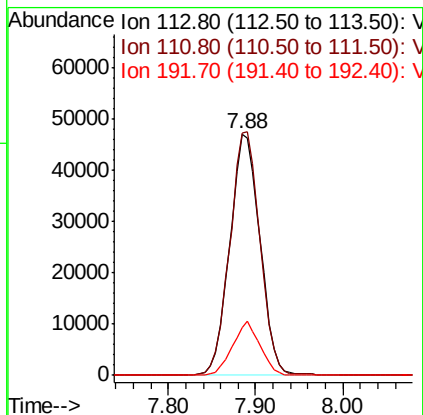
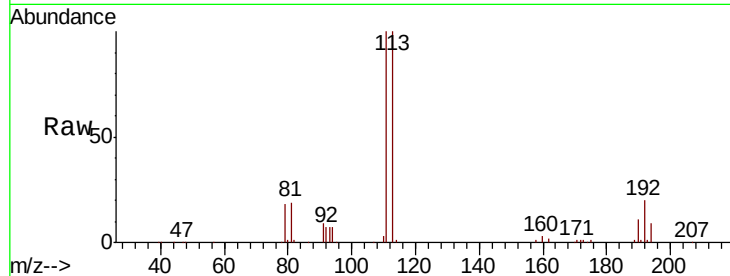




#35
 Dibromofluoromethane
 Concen: 47.850 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005551.D
 Acq: 21 Sep 2018 11:05

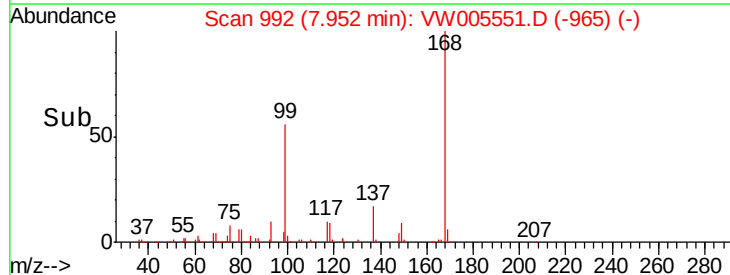
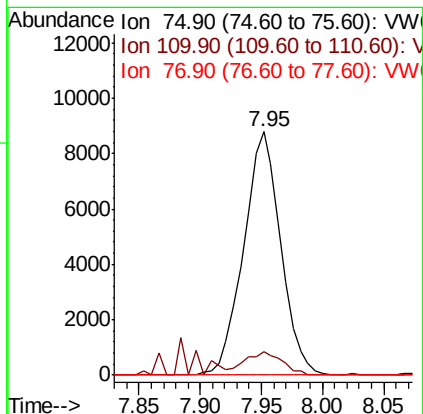
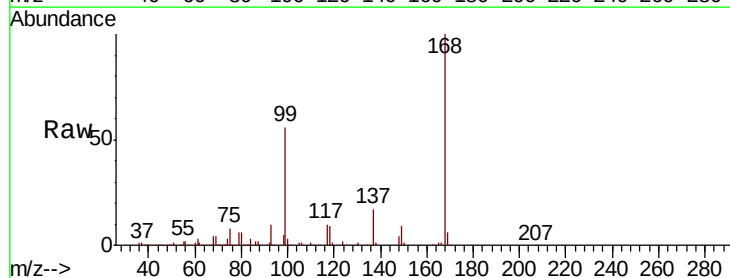
Instrument :
 MSVOA_W
 ClientSampleId :

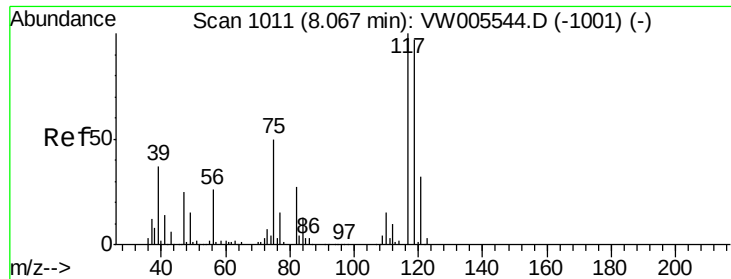
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	123.8
192	20.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005551.D
 Acq: 21 Sep 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.910 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005551.D

Acq: 21 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

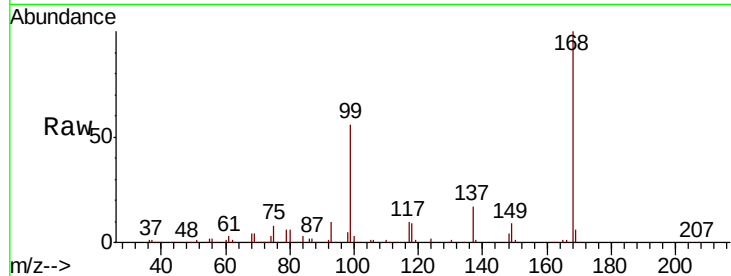
Tot Ion:117 Resp: 23920

Ion Ratio Lower Upper

117 100

119 6.7 77.6 116.4#

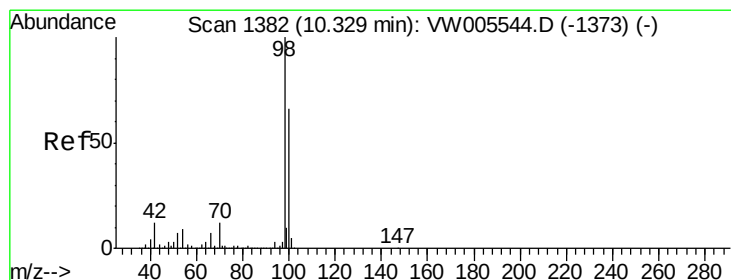
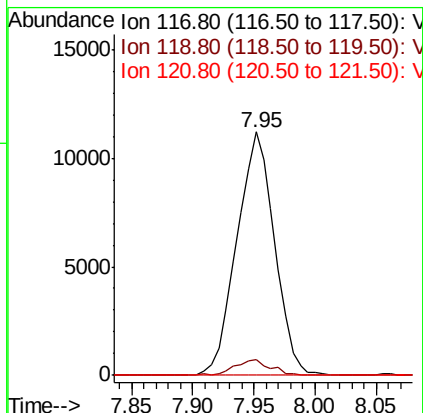
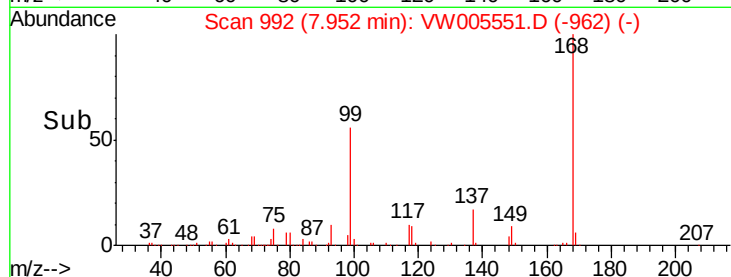
121 0.0 25.7 38.5#



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: 46.903 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005551.D

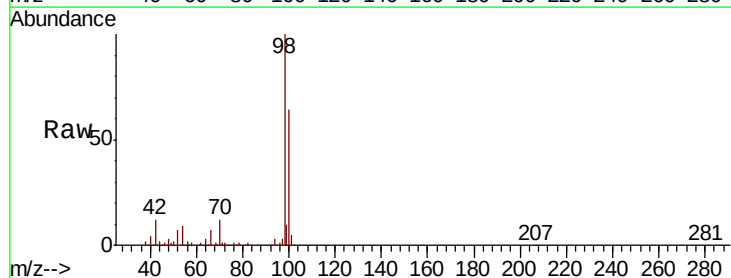
Acq: 21 Sep 2018 11:05

Tgt Ion: 98 Resp: 450578

Ion Ratio Lower Upper

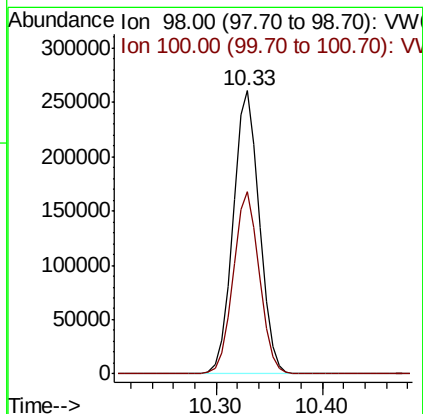
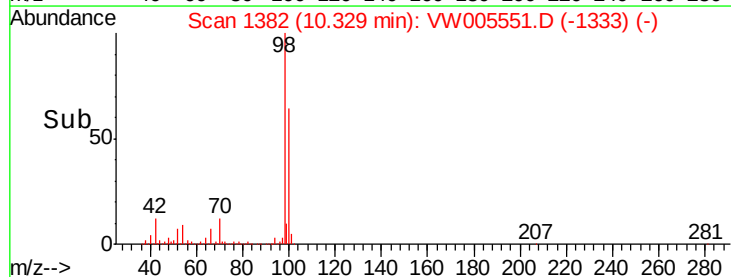
98 100

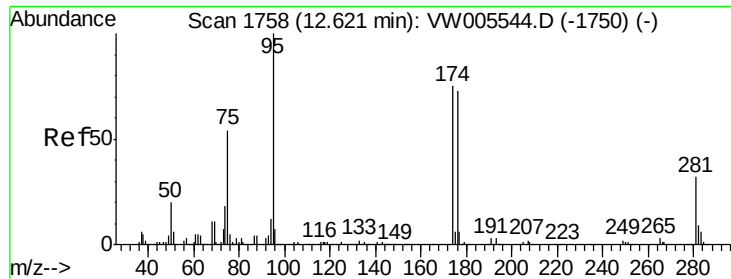
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

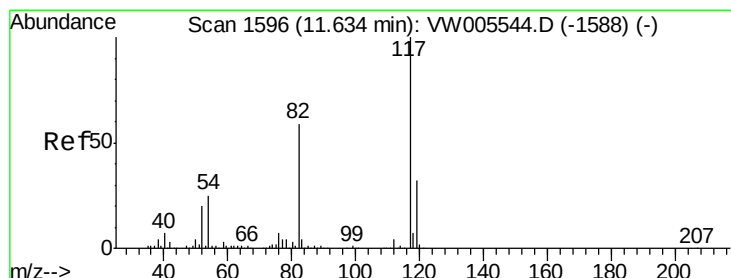
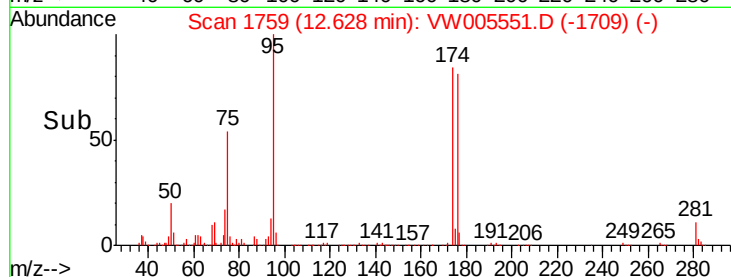
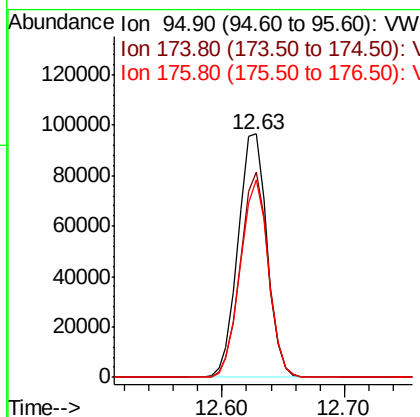
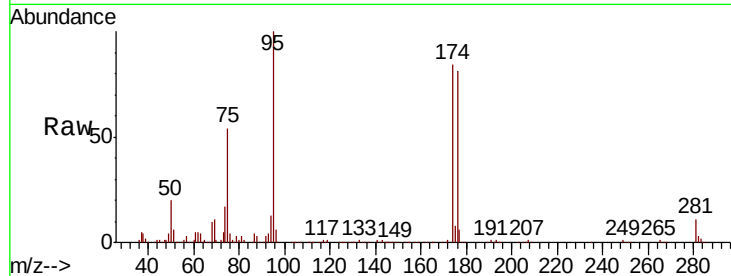




#62
4-Bromofluorobenzene
Concen: 44.429 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

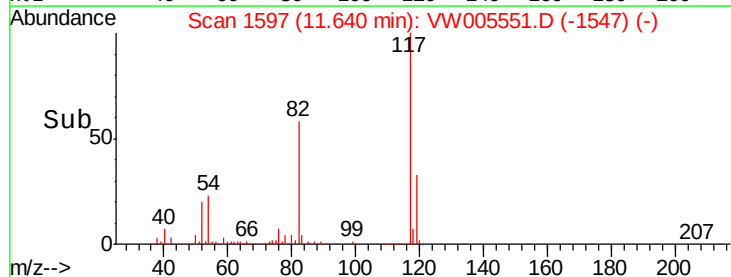
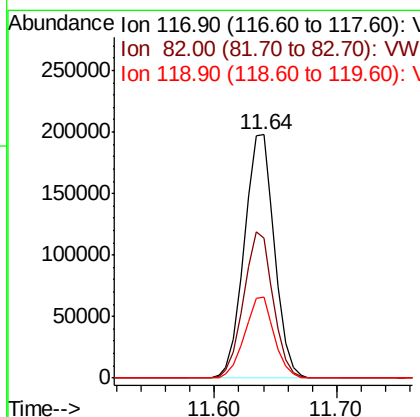
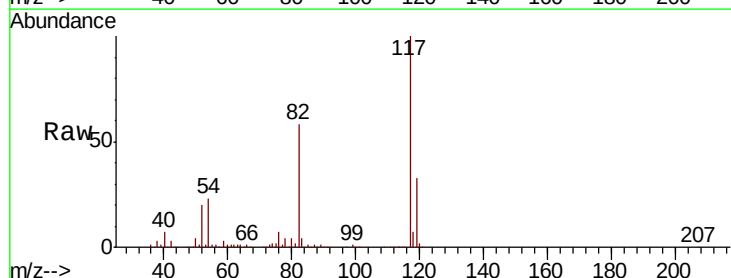
Instrument :
MSVOA_W
ClientSampleId :

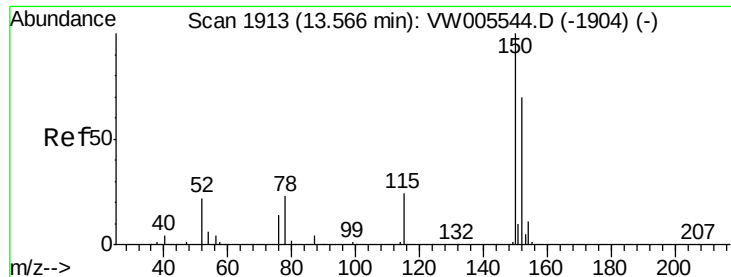
Tot Ion: 95 Resp: 157932
Ion Ratio Lower Upper
95 100
174 81.8 0.0 163.8
176 79.3 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005551.D
Acq: 21 Sep 2018 11:05

Tgt Ion: 117 Resp: 338852
Ion Ratio Lower Upper
117 100
82 57.7 46.9 70.3
119 33.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005551.D

Acq: 21 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

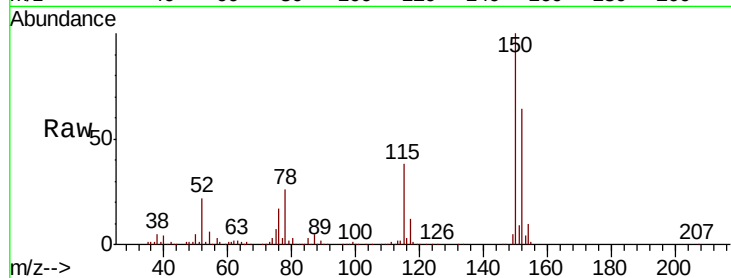
Tot Ion:152 Resp: 172490

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

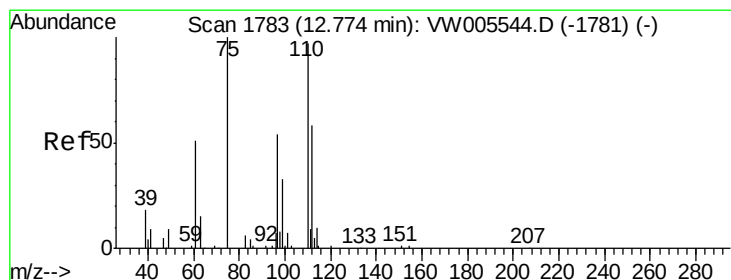
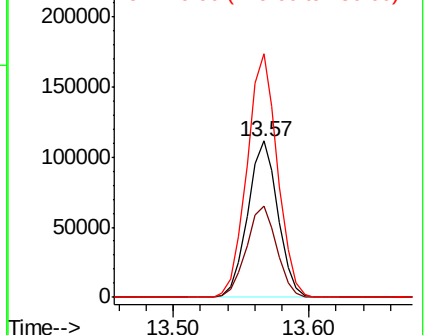
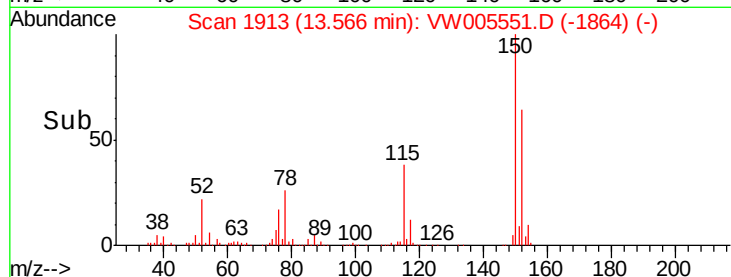
150 157.5 0.0 348.6



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: 56.951 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005551.D

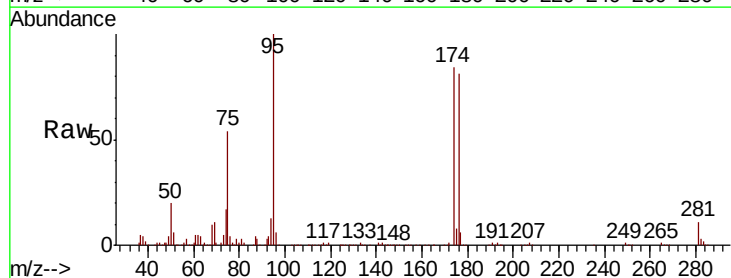
Acq: 21 Sep 2018 11:05

Tgt Ion: 75 Resp: 83738

Ion Ratio Lower Upper

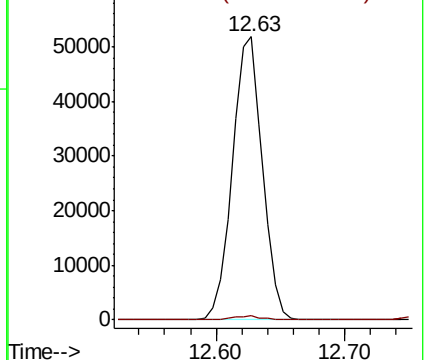
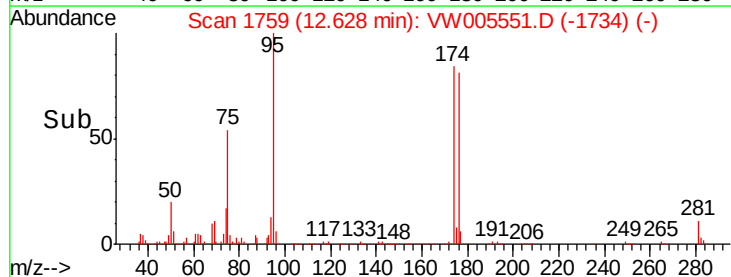
75 100

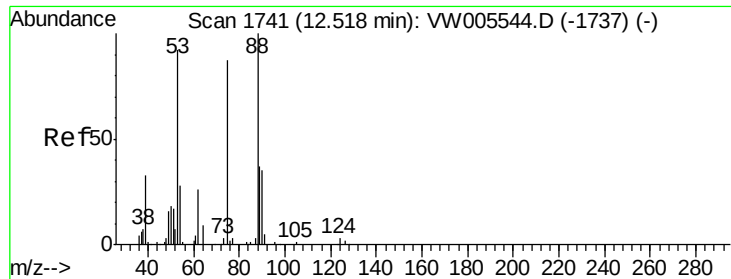
77 1.2 0.0 0.0#



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: 128.270 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005551.D

Acq: 21 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

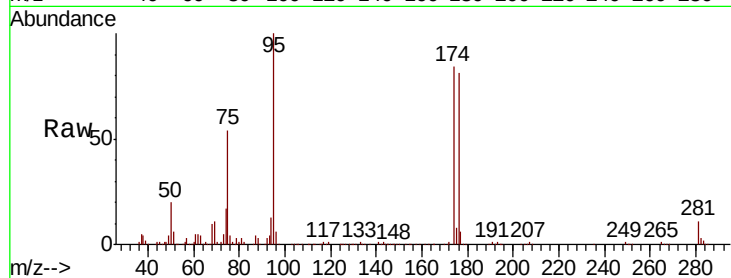
Tot Ion: 75 Resp: 83738

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.2 37.3 55.9#



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

