

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
 Data File : VW005652.D
 Acq On : 26 Sep 2018 11:05
 Operator : VA/AP
 Sample : J5064-01RE
 Misc : 14.23G/5ML/MSVOA W/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMPRE

Quant Time: Sep 26 11:43:22 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

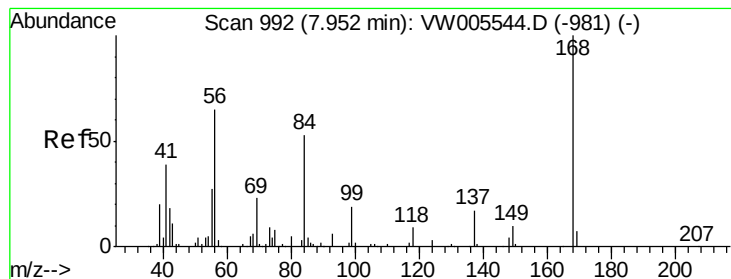
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	145824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	152610	68.28	ug/l	0.00
Spiked Amount			Recovery	=	136.56%	
35) Dibromofluoromethane	7.89	113	4979	2.52	ug/l	0.00
Spiked Amount			Recovery	=	5.04%	
50) Toluene-d8	10.33	98	423492	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.62	95	145915	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2428	2.607	ug/l	89
16) Acetone	4.14	43	28566	74.676	ug/l	98
20) Methylene Chloride	4.91	84	10259	1.302	ug/l	92
25) 2-Butanone	7.19	43	6871	12.657	ug/l	91
29) Tetrahydrofuran	7.54	42	376	1.109	ug/l #	47
31) Cyclohexane	7.96	56	4463	1.288	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	15428	4.876	ug/l #	50
37) Ethyl Acetate	7.19	43	6871	5.160	ug/l #	70
38) Carbon Tetrachloride	7.95	117	19397	5.721	ug/l #	16
52) Toluene	10.39	92	11131	1.990	ug/l	100
59) 2-Hexanone	10.97	43	3101	3.462	ug/l	82
74) N-amyl acetate	12.24	43	3662	1.599	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	77101	62.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77101	139.700	ug/l #	7

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

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Misc : 14.23G/5ML/MSVOA W/SOIL
ALS Vial : 58 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

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MSVOA_W

ClientSampleId :

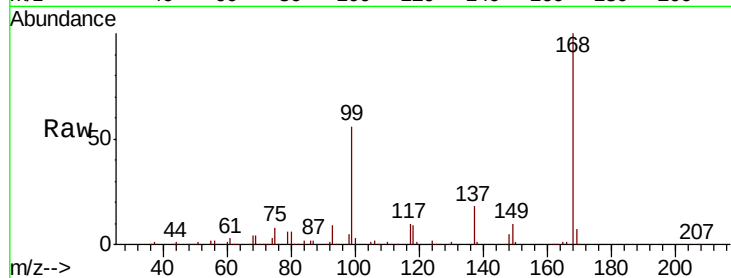
COMPRES

Tot Ion:168 Resp: 189734

Ion Ratio Lower Upper

168 100

99 56.2 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

80000

60000

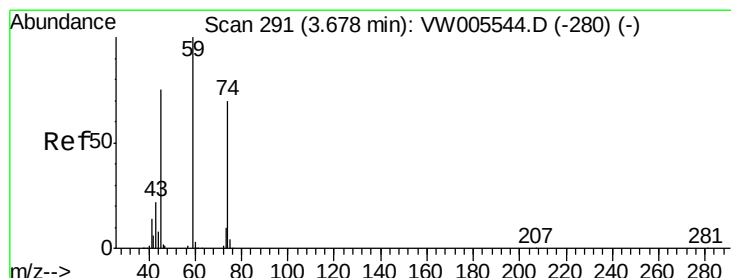
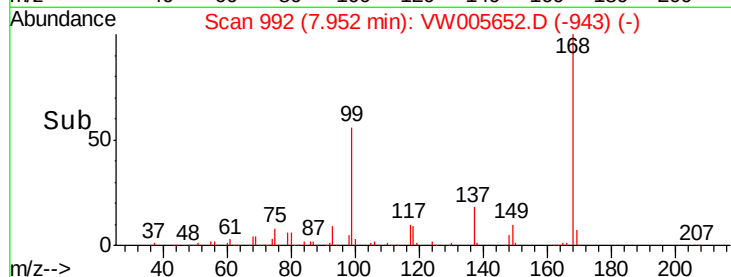
40000

20000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 2.607 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005652.D

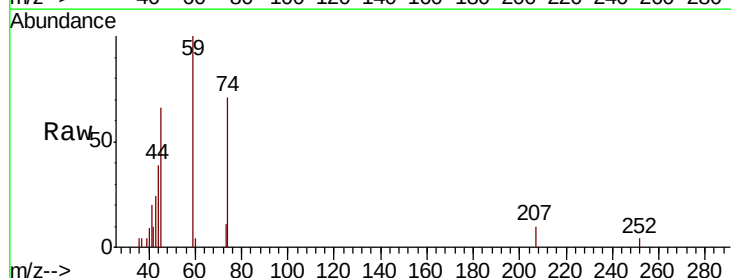
Acq: 26 Sep 2018 11:05

Tgt Ion: 74 Resp: 2428

Ion Ratio Lower Upper

74 100

45 114.5 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

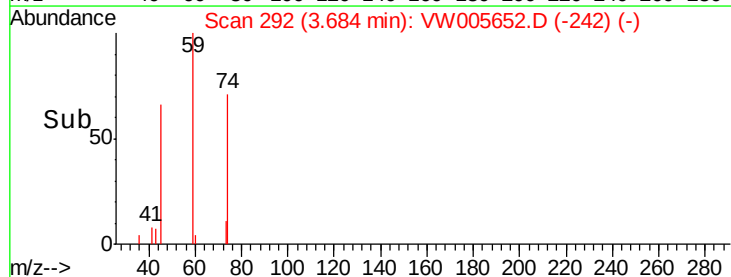
1000

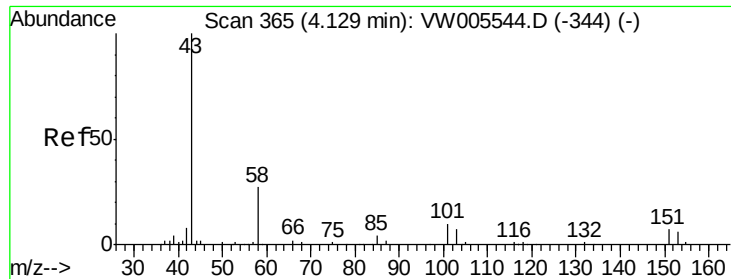
500

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 74.676 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

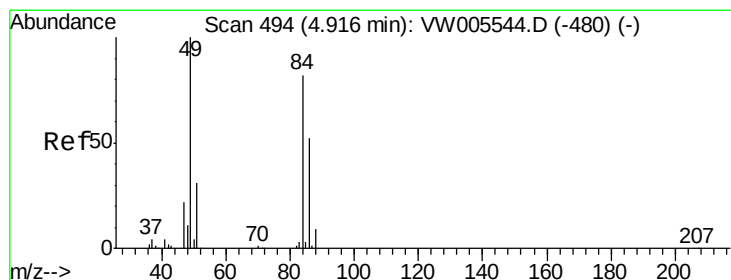
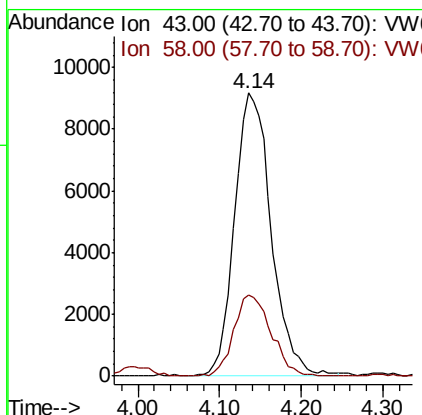
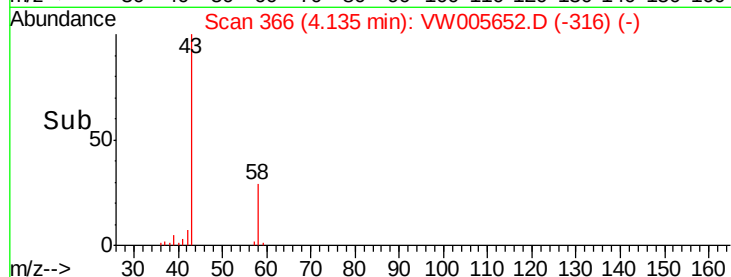
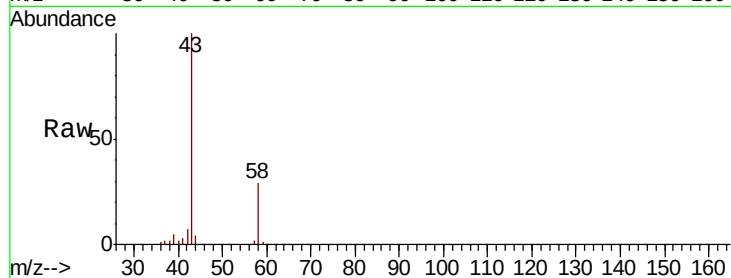
COMPRES

Tot Ion: 43 Resp: 28566

Ion Ratio Lower Upper

43 100

58 28.6 21.8 32.8



#20

Methylene Chloride

Concen: 1.302 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Tgt Ion: 84 Resp: 10259

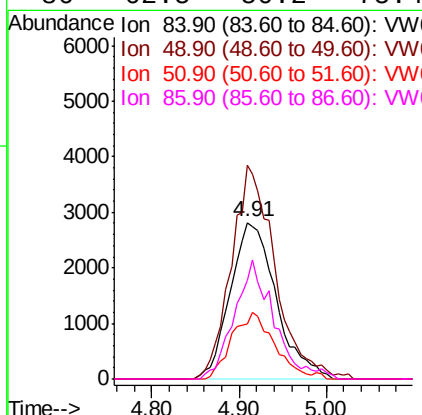
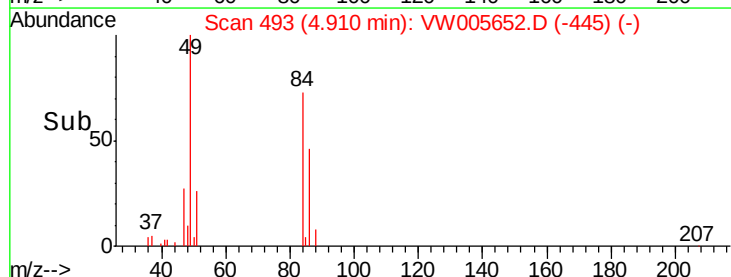
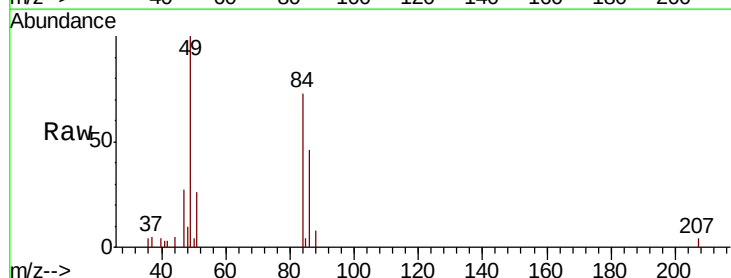
Ion Ratio Lower Upper

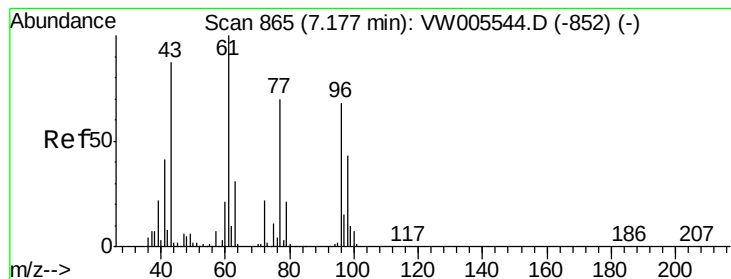
84 100

49 136.2 97.0 145.6

51 35.0 30.2 45.2

86 62.5 50.2 75.4





#25

2-Butanone

Concen: 12.657 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampled :

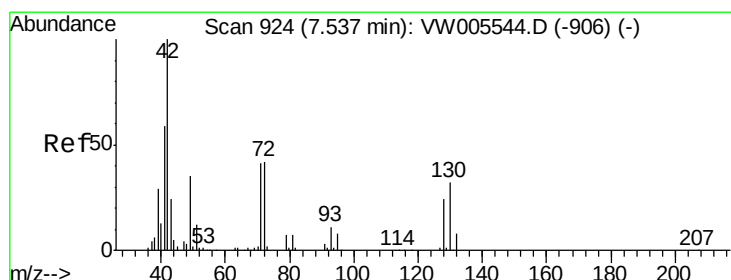
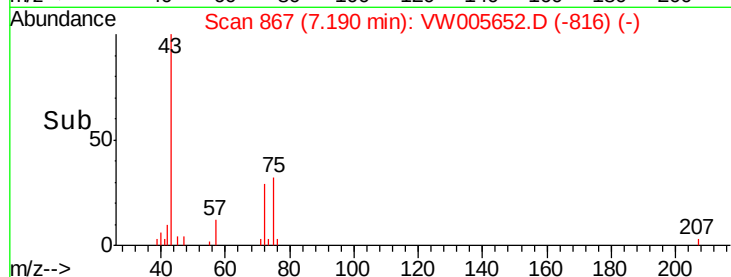
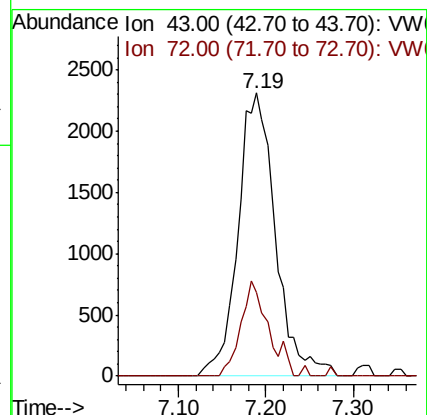
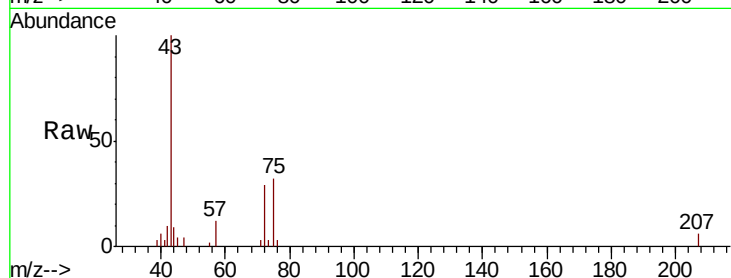
COMPRES

Tot Ion: 43 Resp: 6871

Ion Ratio Lower Upper

43 100

72 29.5 19.9 29.9



#29

Tetrahydrofuran

Concen: 1.109 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

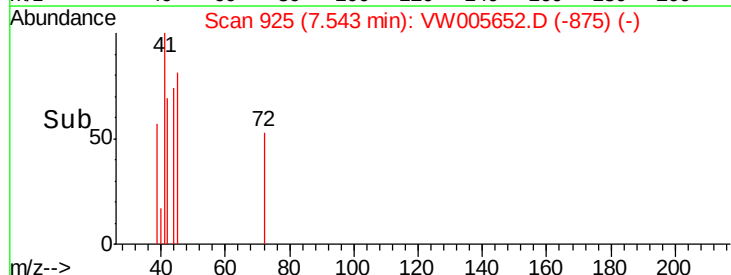
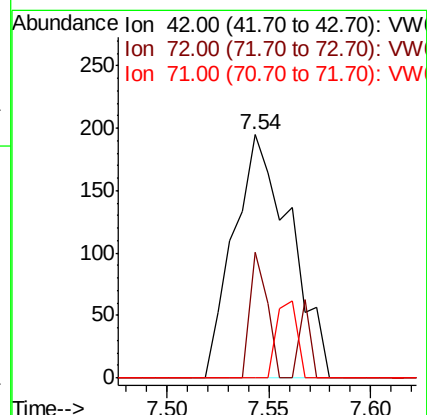
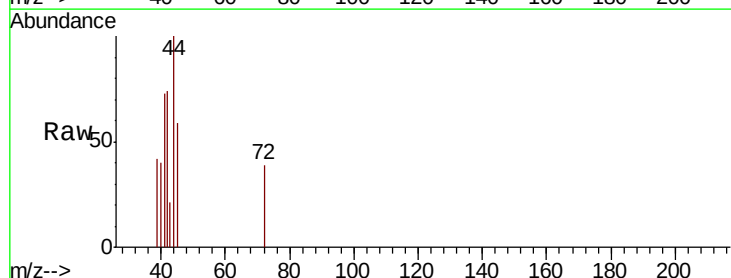
Tgt Ion: 42 Resp: 376

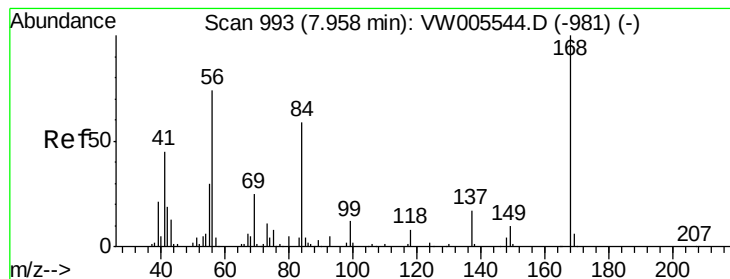
Ion Ratio Lower Upper

42 100

72 15.7 33.6 50.4#

71 0.0 31.8 47.6#





#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

COMPRES

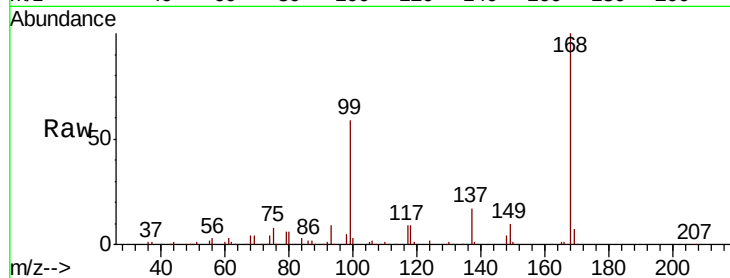
Tot Ion: 56 Resp: 4463

Ion Ratio Lower Upper

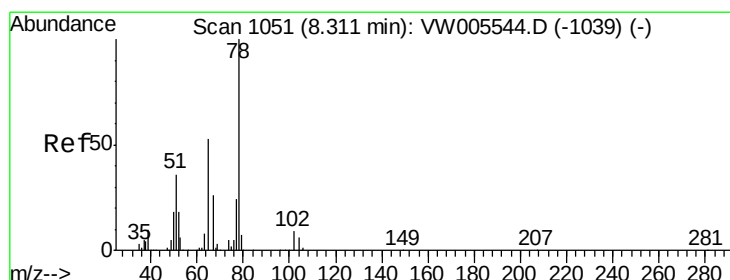
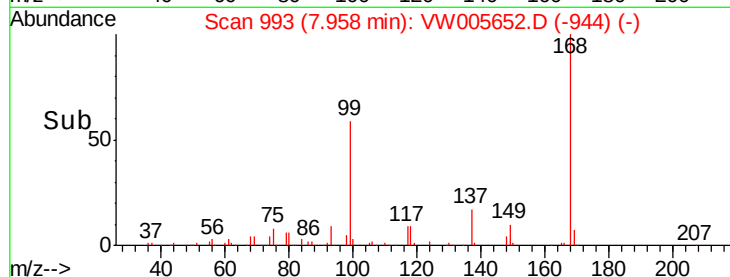
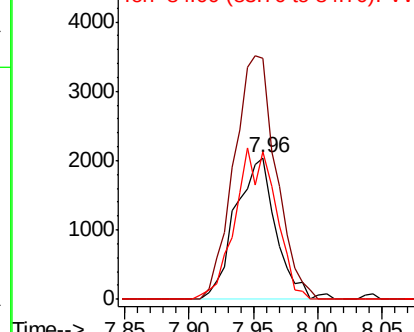
56 100

69 170.7 27.0 40.4#

84 104.3 64.2 96.4#



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: 68.276 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005652.D

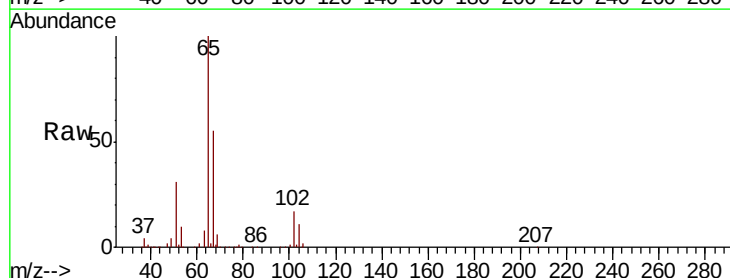
Acq: 26 Sep 2018 11:05

Tgt Ion: 65 Resp: 152610

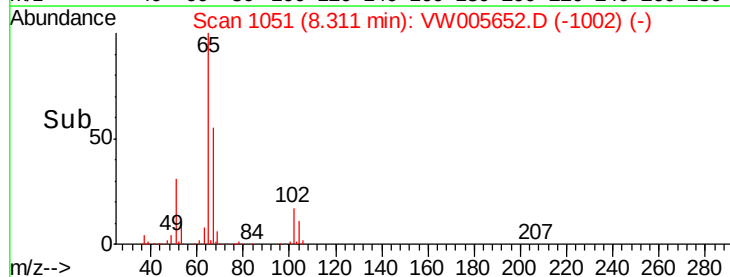
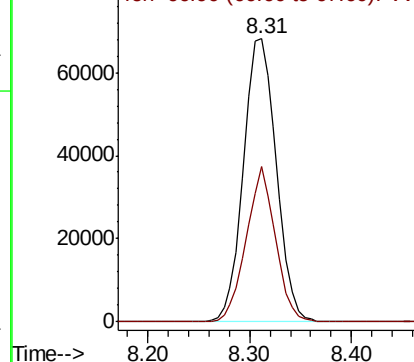
Ion Ratio Lower Upper

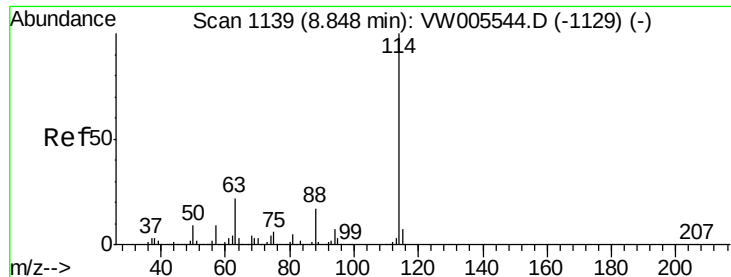
65 100

67 48.6 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

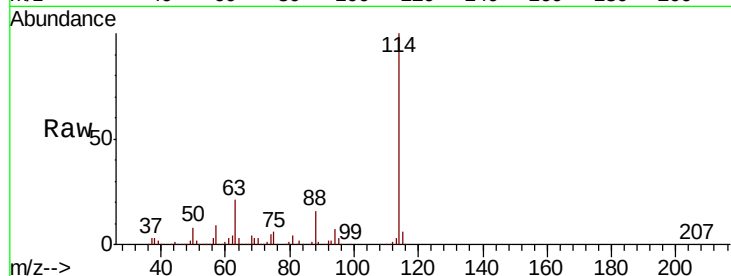




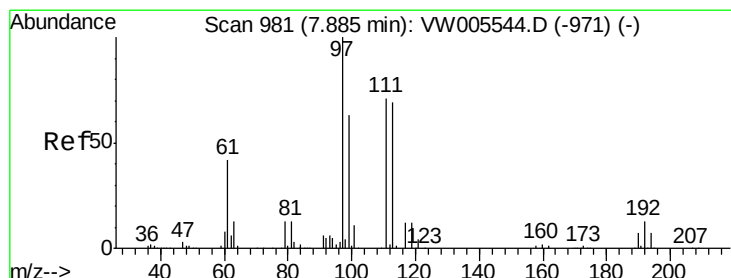
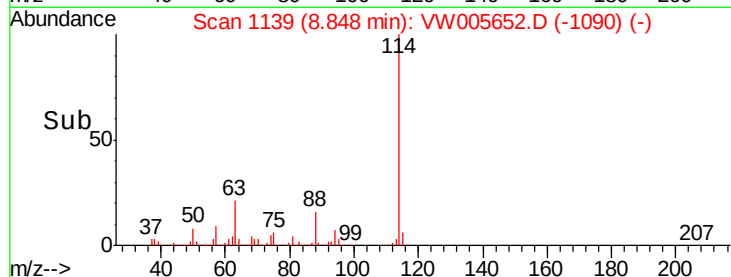
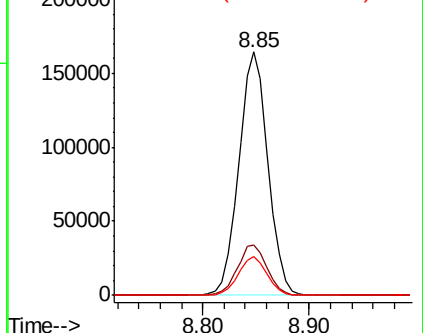
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005652.D
 Acq: 26 Sep 2018 11:05

Instrument :
 MSVOA_W
 ClientSampleId :
 COMPRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.0
88	16.1	0.0	33.0

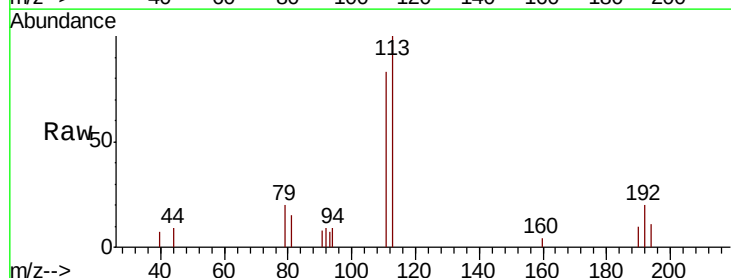


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

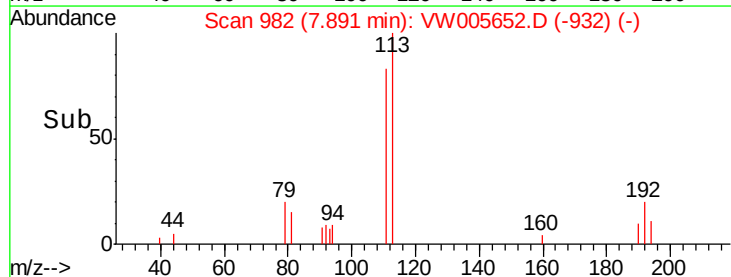
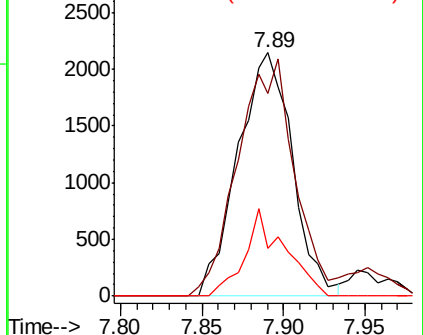


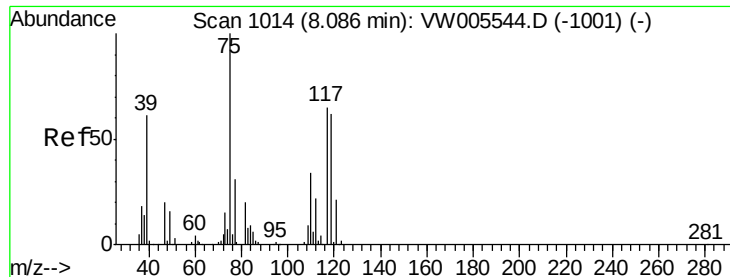
#35
 Dibromofluoromethane
 Concen: 2.519 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005652.D
 Acq: 26 Sep 2018 11:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	25.9	17.0	25.4#



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

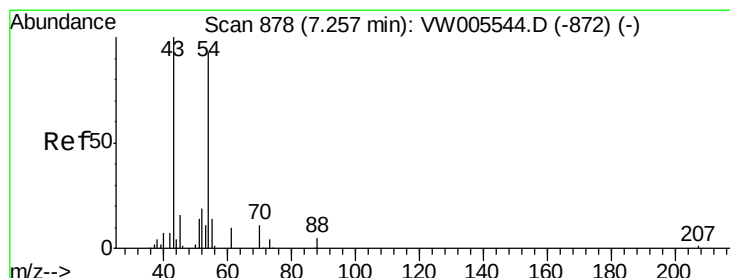
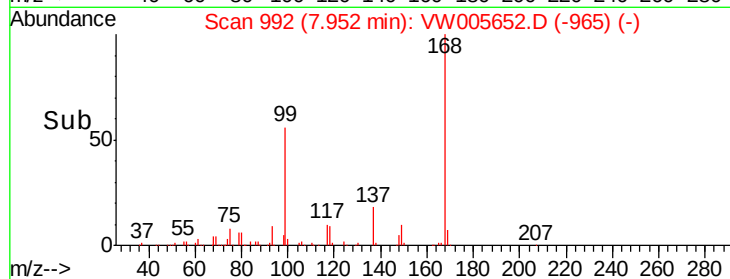
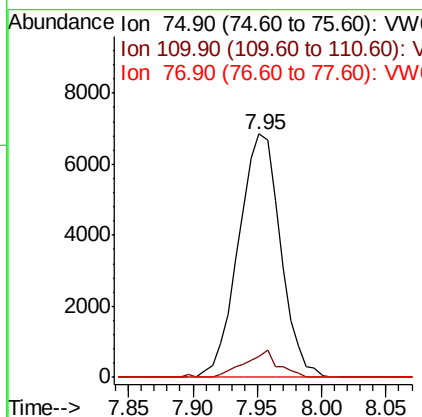
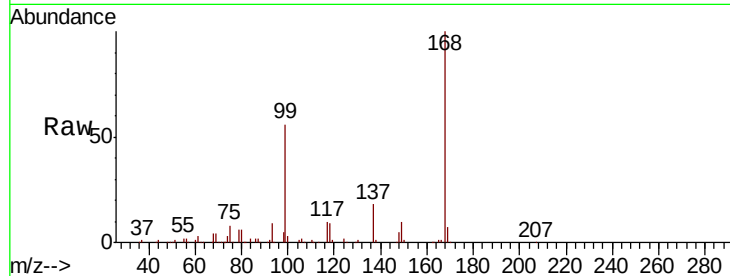




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005652.D
 Acq: 26 Sep 2018 11:05

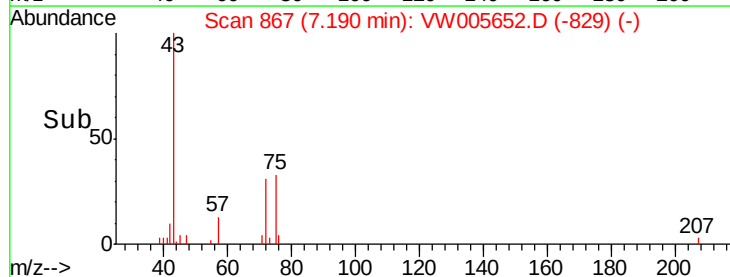
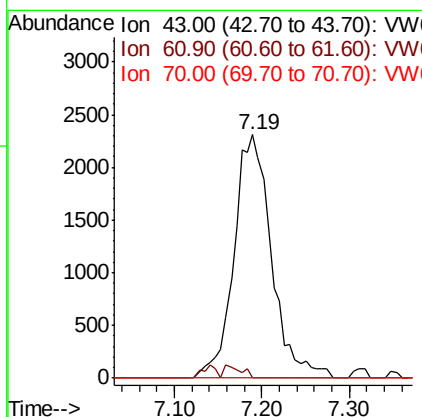
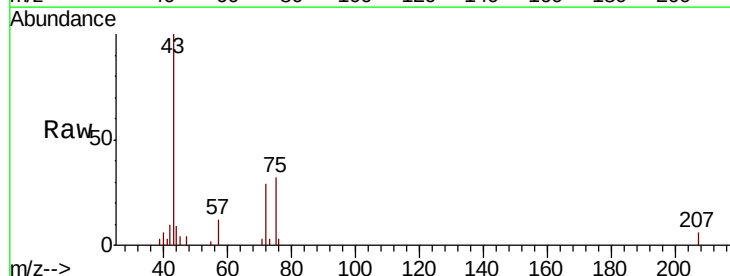
Instrument :
 MSVOA_W
 ClientSampleId :
 COMPRE

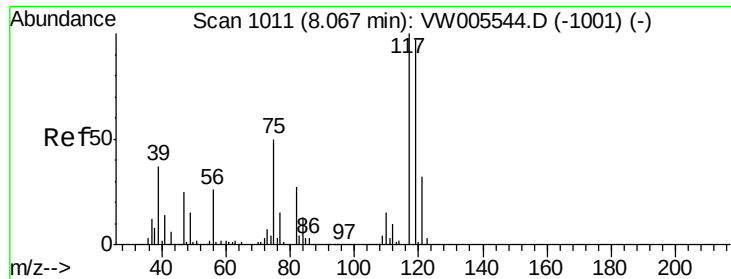
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 5.160 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005652.D
 Acq: 26 Sep 2018 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	8.2	12.2#

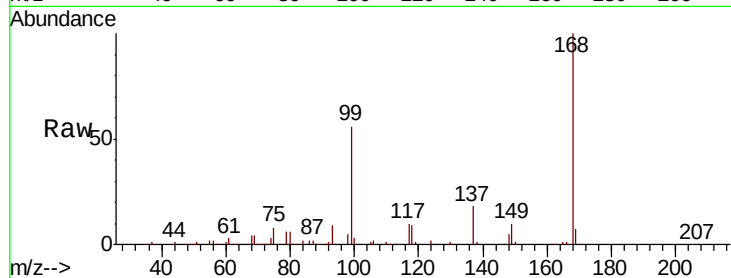




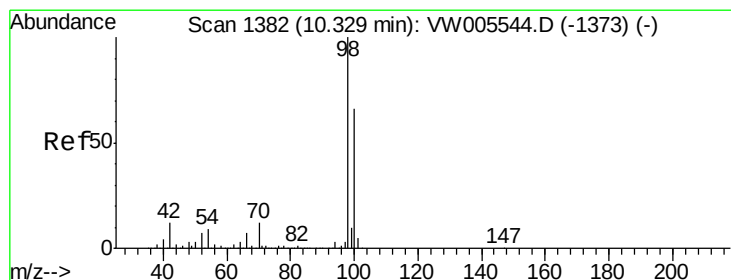
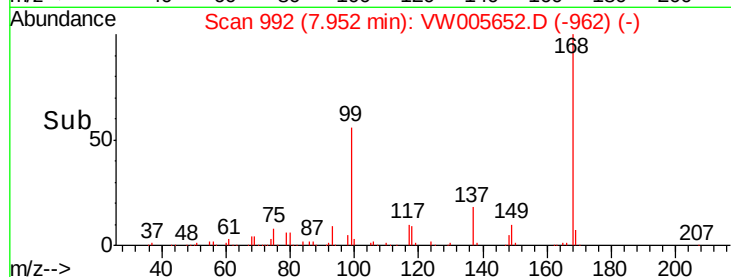
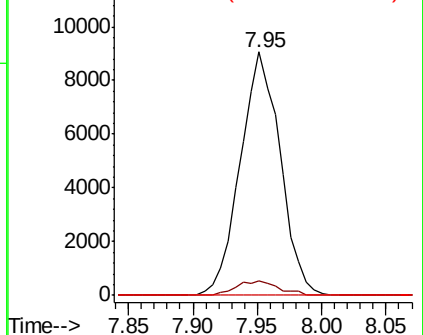
#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005652.D
Acq: 26 Sep 2018 11:05

Instrument :
MSVOA_W
ClientSampleId :
COMPRE

Tot Ion:117 Resp: 19397
Ion Ratio Lower Upper
117 100
119 5.8 77.6 116.4#
121 0.0 25.7 38.5#

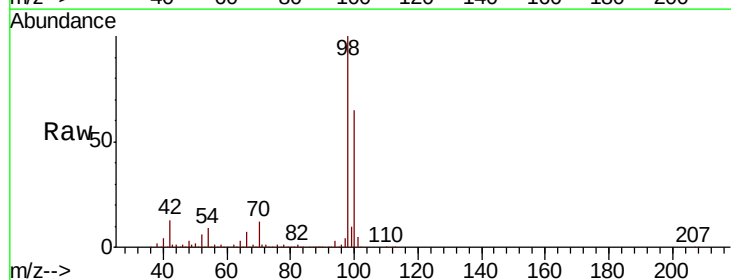


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

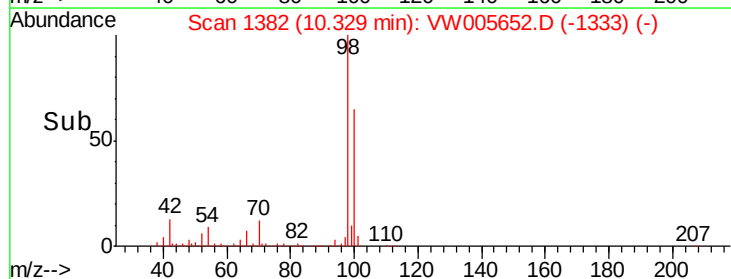
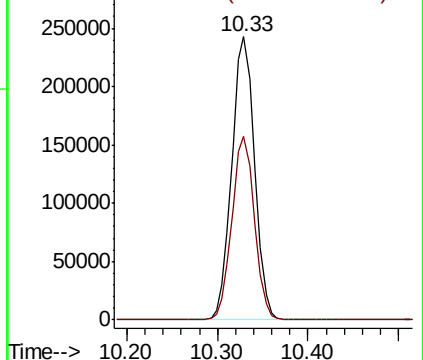


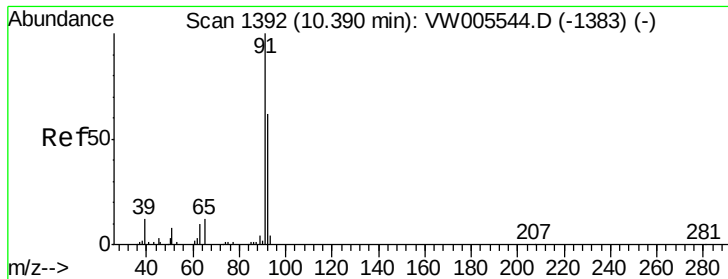
#50
Toluene-d8
Concen: 52.616 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005652.D
Acq: 26 Sep 2018 11:05

Tgt Ion: 98 Resp: 423492
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.990 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampled :

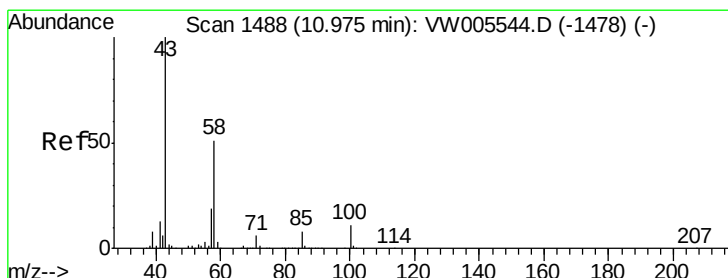
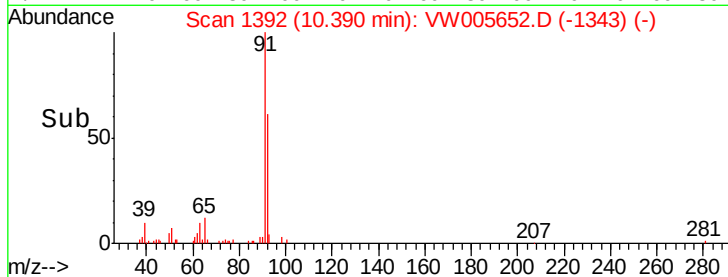
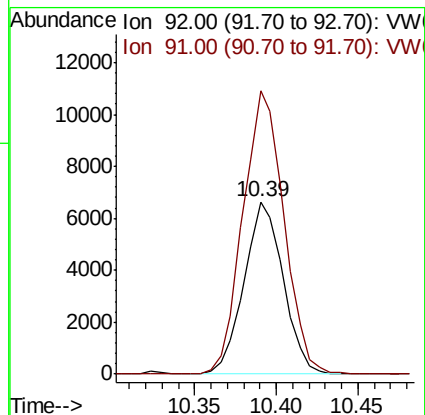
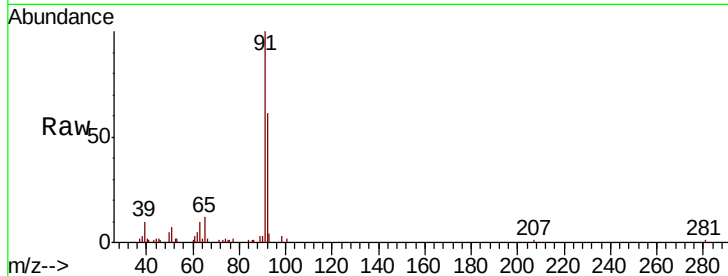
COMPRES

Tot Ion: 92 Resp: 11131

Ion Ratio Lower Upper

92 100

91 171.6 137.1 205.7



#59

2-Hexanone

Concen: 3.462 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW005652.D

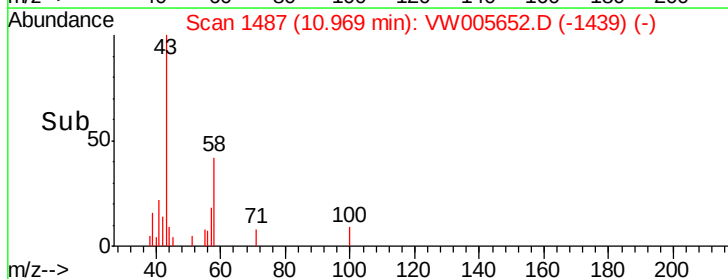
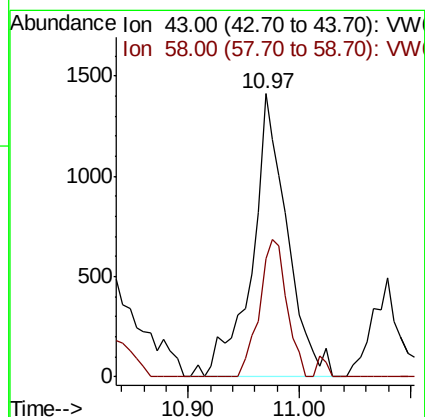
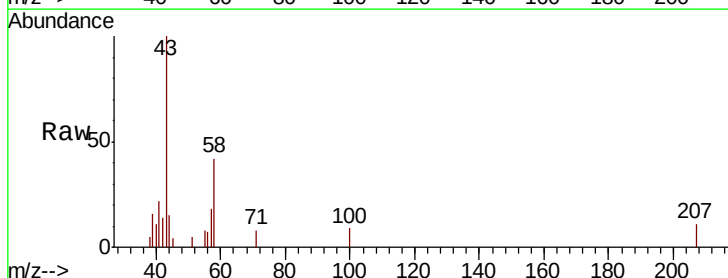
Acq: 26 Sep 2018 11:05

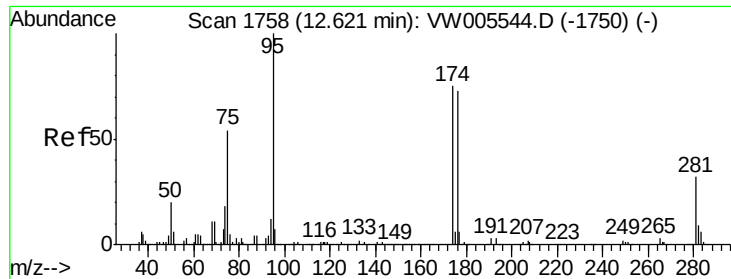
Tgt Ion: 43 Resp: 3101

Ion Ratio Lower Upper

43 100

58 38.2 25.3 75.9





#62

4-Bromofluorobenzene

Concen: 48.994 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

COMPRES

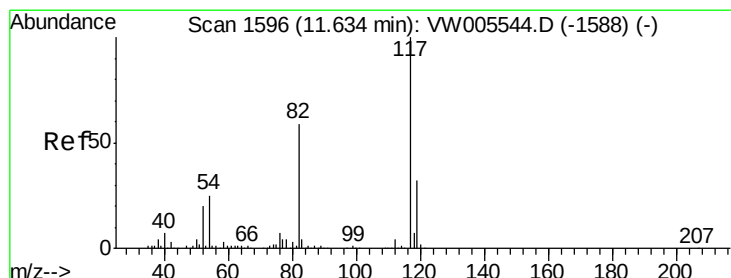
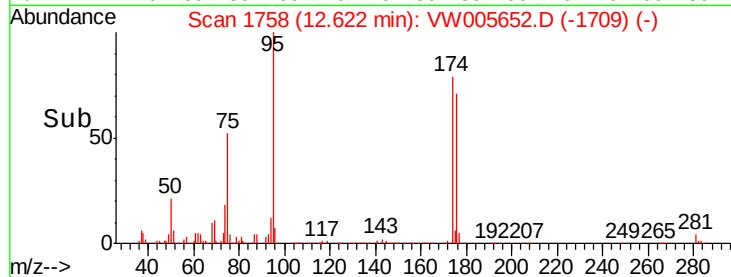
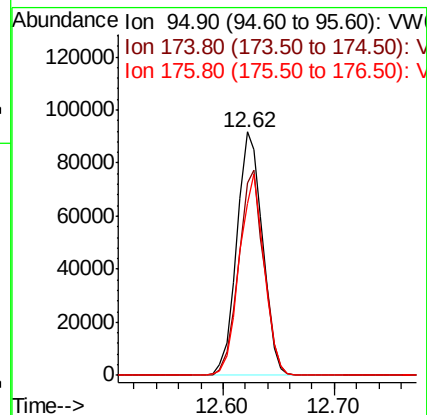
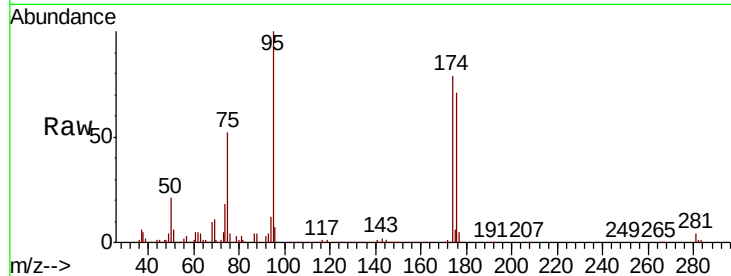
Tot Ion: 95 Resp: 145915

Ion Ratio Lower Upper

95 100

174 83.1 0.0 163.8

176 80.1 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

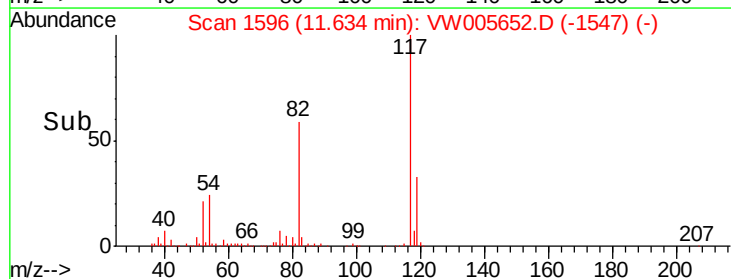
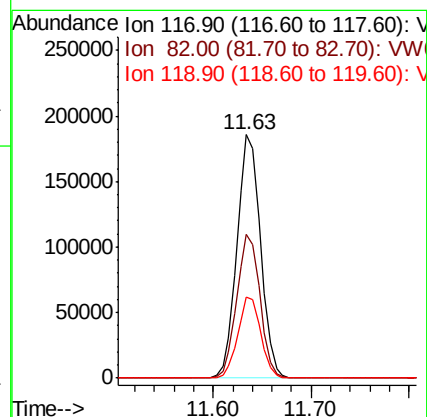
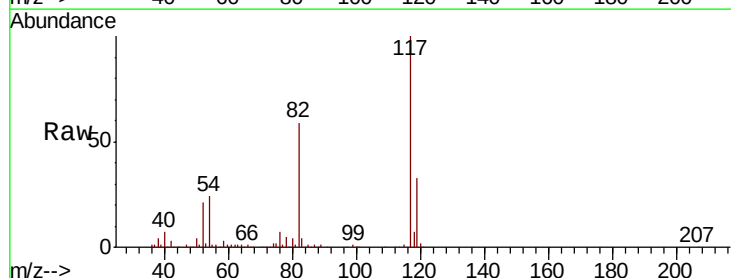
Tgt Ion: 117 Resp: 310336

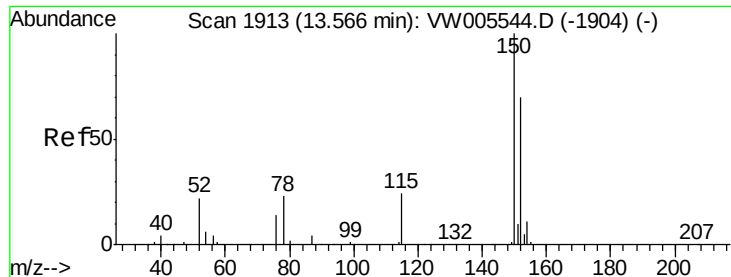
Ion Ratio Lower Upper

117 100

82 59.2 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: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

COMPRES

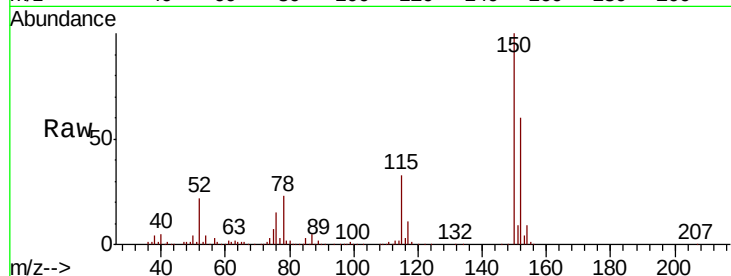
Tot Ion:152 Resp: 145824

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

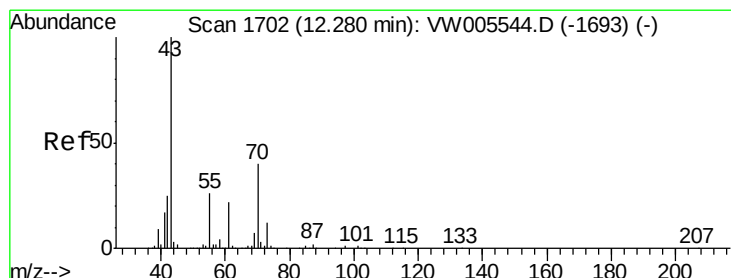
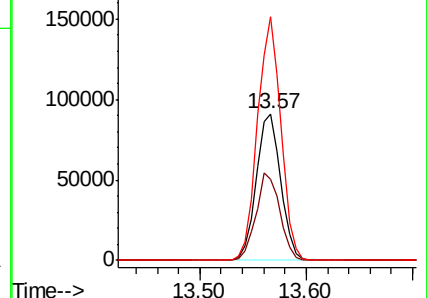
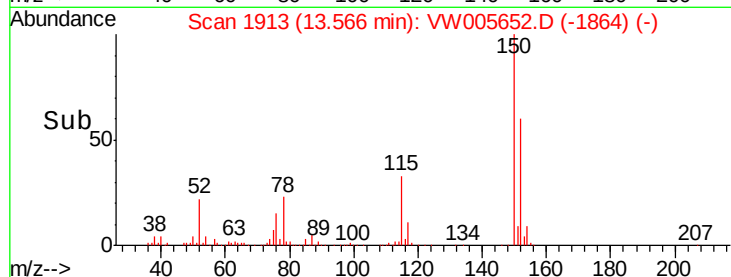
150 159.7 0.0 348.6



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



#74

N-ethyl acetate

Concen: 1.599 ug/l

RT: 12.24 min Scan# 1696

Delta R.T. -0.04 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Tgt Ion: 43 Resp: 3662

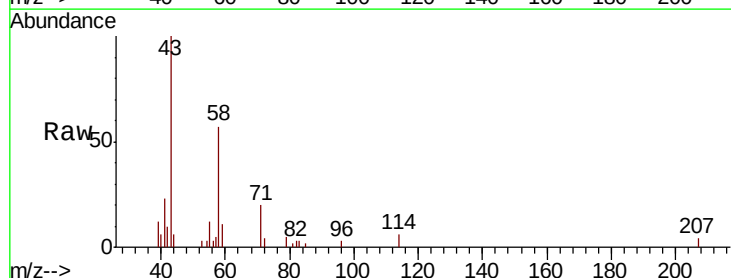
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.0#

55 17.7 20.9 31.3#

61 0.0 17.8 26.6#

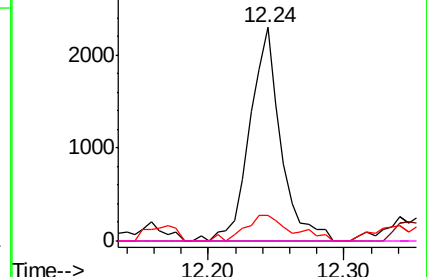
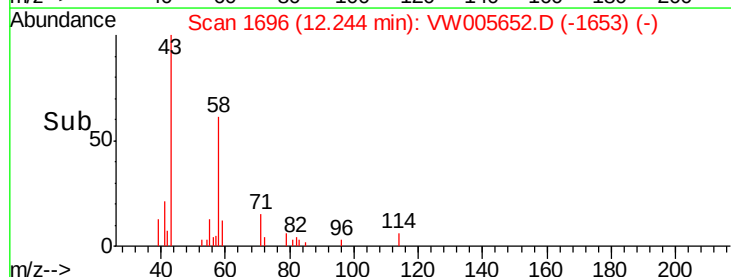


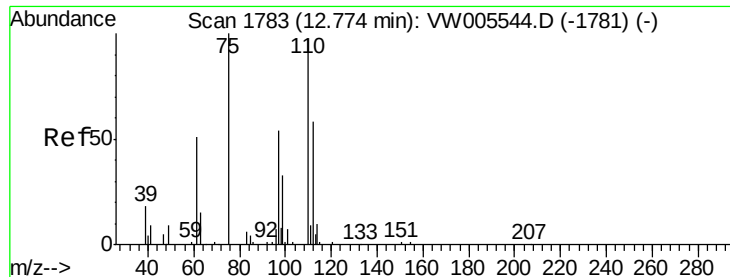
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 62.026 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Instrument :

MSVOA_W

ClientSampleId :

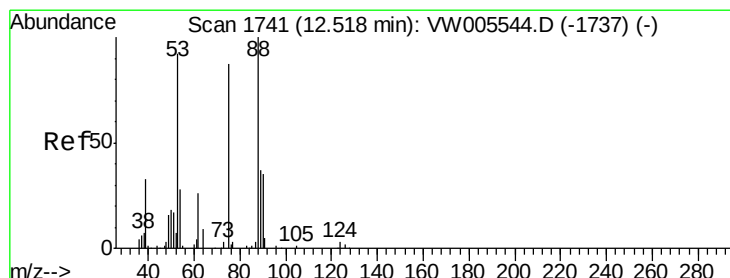
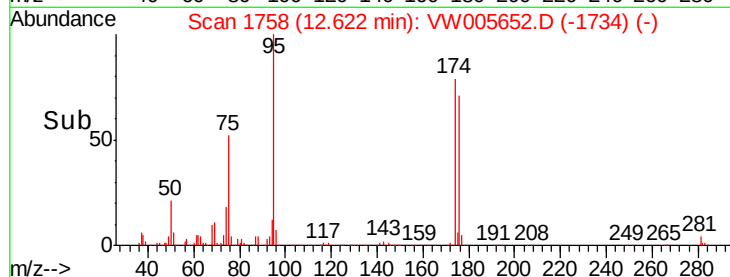
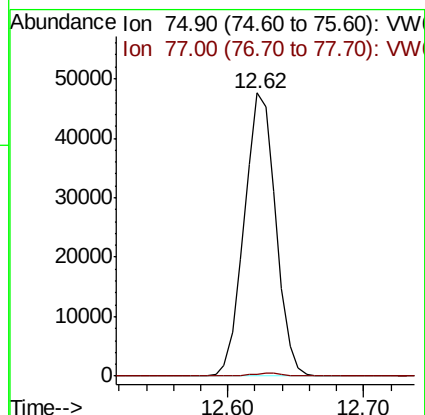
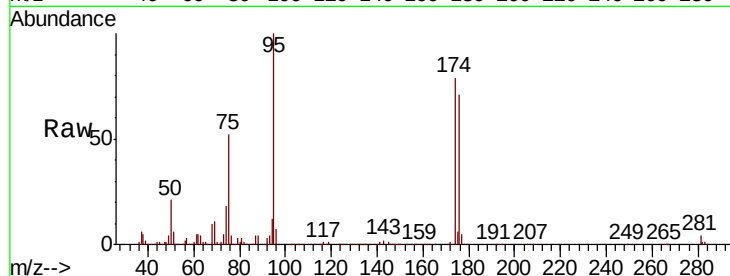
COMPRES

Tot Ion: 75 Resp: 77101

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.700 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005652.D

Acq: 26 Sep 2018 11:05

Tgt Ion: 75 Resp: 77101

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.0 37.3 55.9#

