

Data File : VW008171.D
Acq On : 11 Jan 2019 02:54
Operator : SY/AP
Sample : K1015-03RE
Misc : 7.45G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-03-010918-B

Quant Time: Jan 11 05:22:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

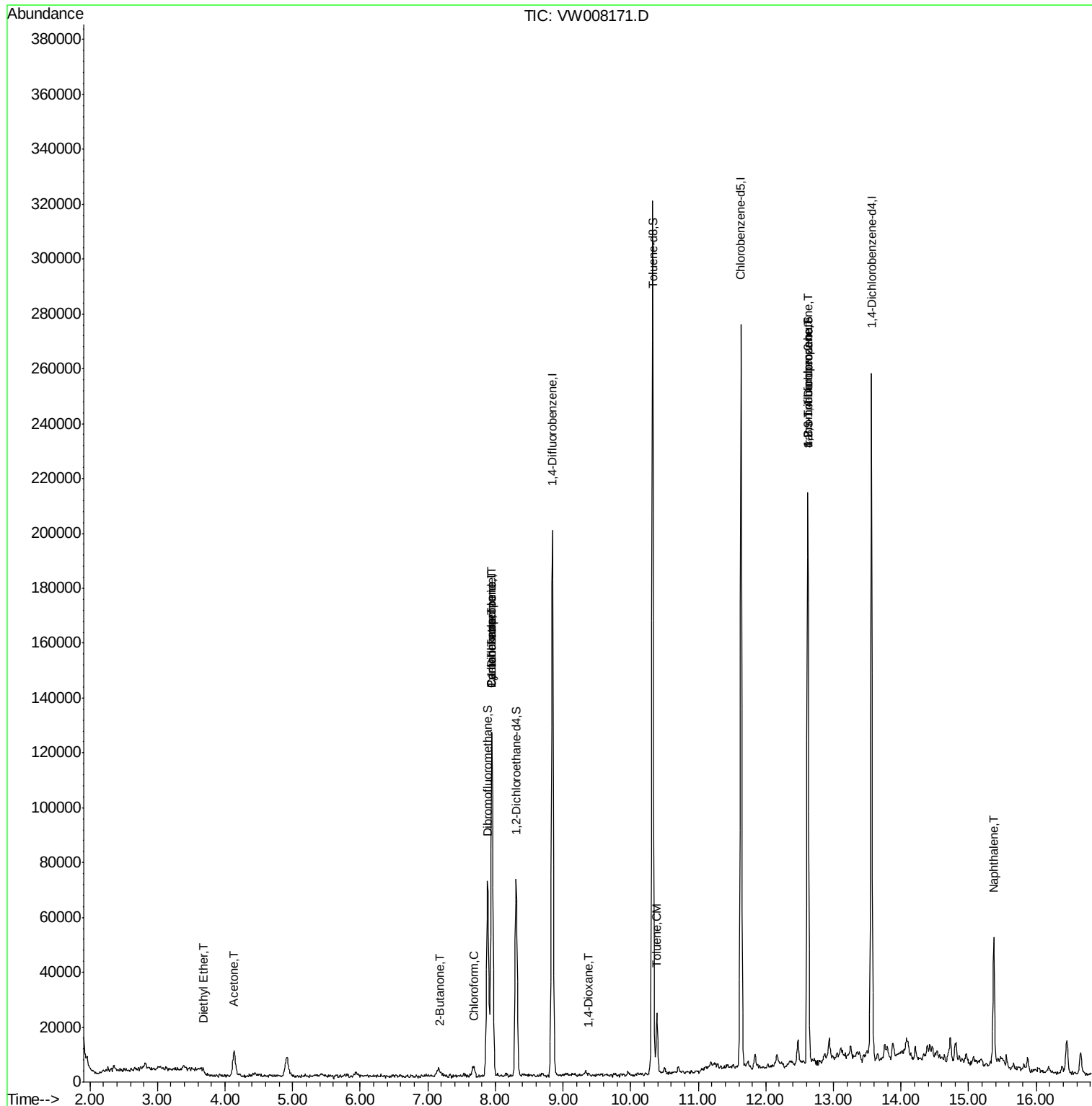
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61633	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	55324	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
35) Dibromofluoromethane	7.88	113	52151	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
50) Toluene-d8	10.32	98	210722	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	67408	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
8) Diethyl Ether	3.68	74	1064	1.871	ug/l	62
11) Tert butyl alcohol	5.26	59	200	Below Cal	#	100
13) Acrolein	3.90	56	83	Below Cal	#	14
16) Acetone	4.14	43	17559	82.925	ug/l	98
25) 2-Butanone	7.18	43	2496	8.913	ug/l #	79
30) Chloroform	7.68	83	3348	1.778	ug/l	94
31) Cyclohexane	7.95	56	2608	1.231	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	7961	4.667	ug/l #	53
38) Carbon Tetrachloride	7.95	117	9794	6.274	ug/l #	17
49) 1,4-Dioxane	9.37	88	22	2.428	ug/l #	11
52) Toluene	10.39	92	9194	3.112	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	35032	62.351	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	35032	145.196	ug/l #	10
95) Naphthalene	15.37	128	37699	16.684	ug/l	100

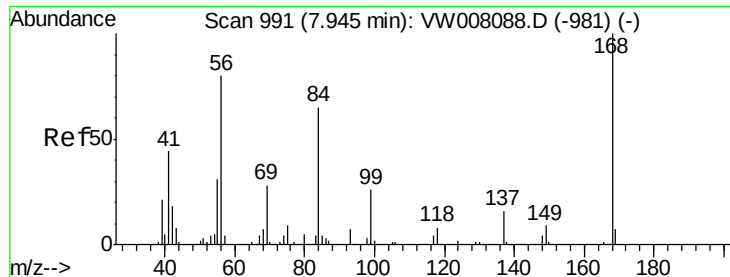
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008171.D

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MSVOA_W

ClientSampleId :

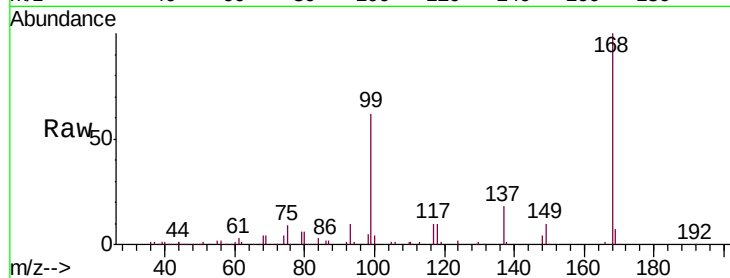
SU-03-010918-B

Tgt Ion:168 Resp: 89549

Ion Ratio Lower Upper

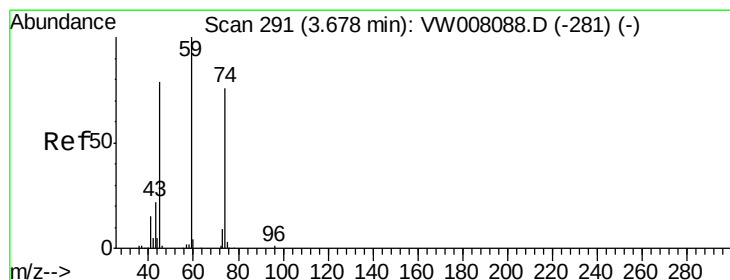
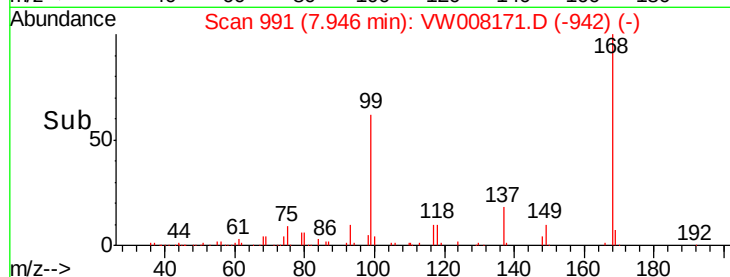
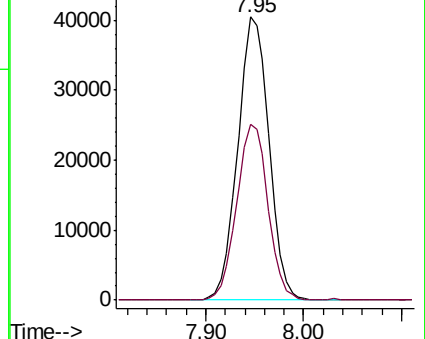
168 100

99 62.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.871 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW008171.D

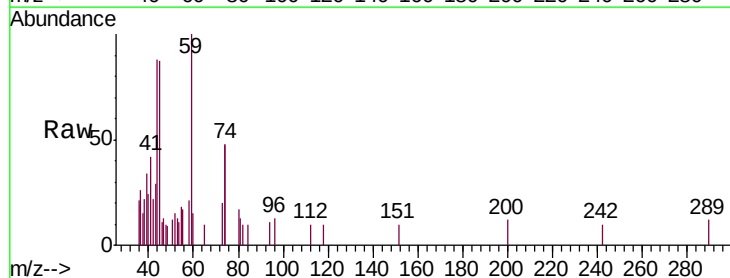
Acq: 11 Jan 2019 02:54

Tgt Ion: 74 Resp: 1064

Ion Ratio Lower Upper

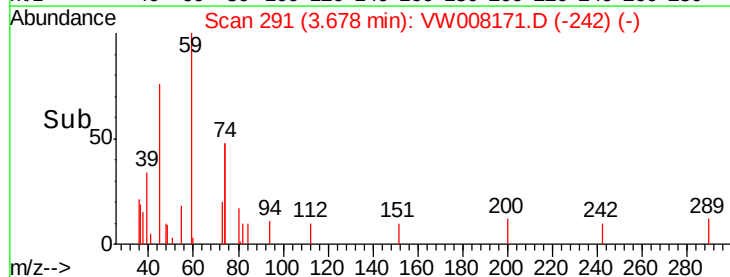
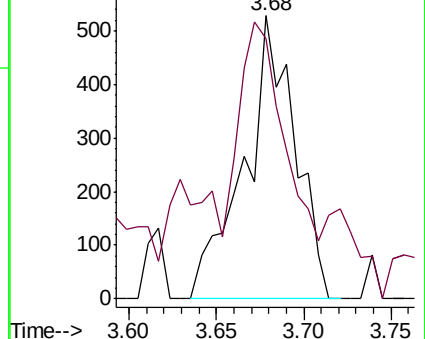
74 100

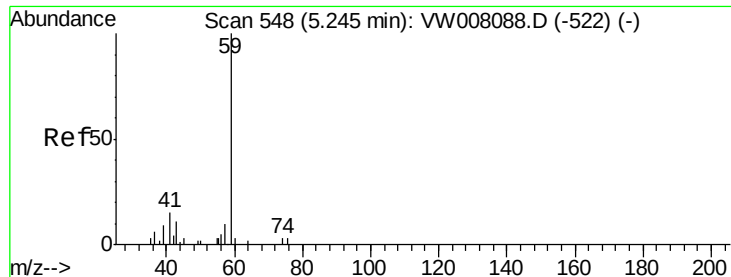
45 66.4 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

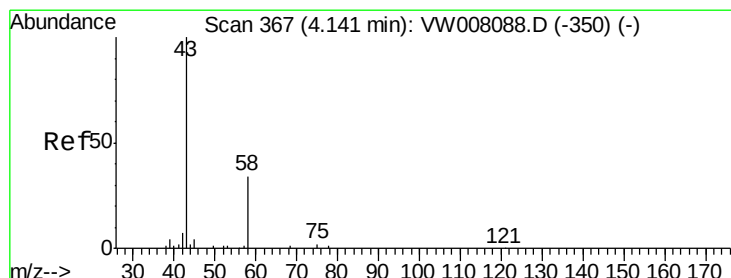
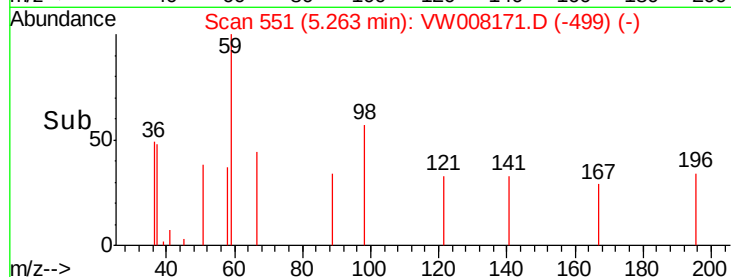
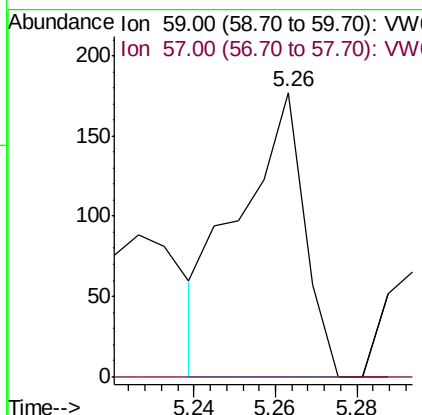
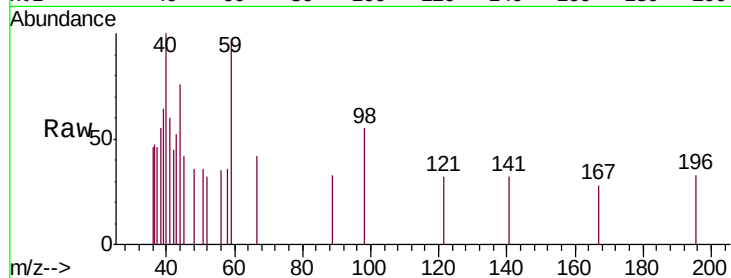




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 551
Delta R.T. 0.02 min
Lab File: VW008171.D
Acq: 11 Jan 2019 02:54

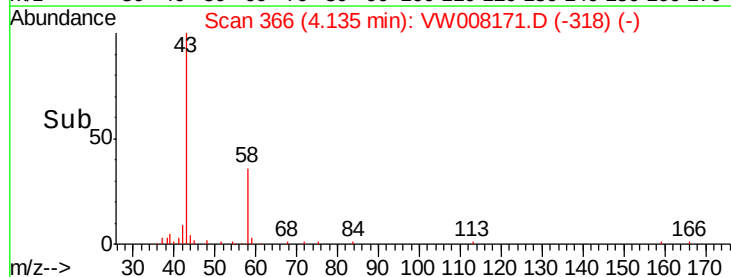
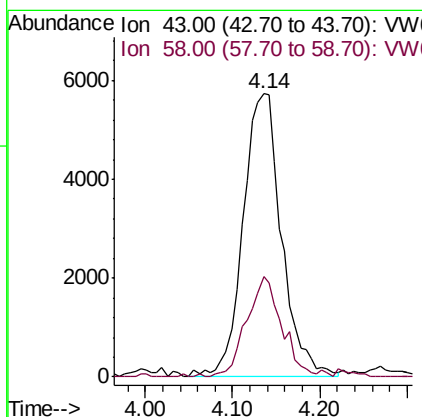
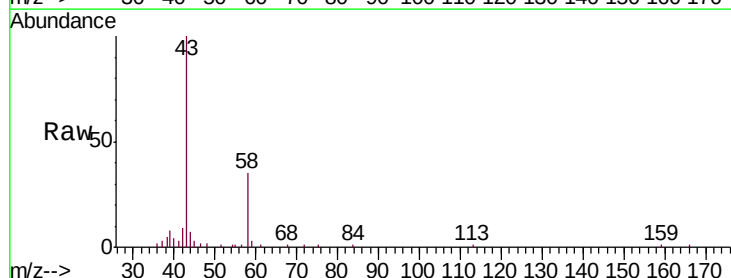
Instrument :
MSVOA_W
ClientSampleId :
SU-03-010918-B

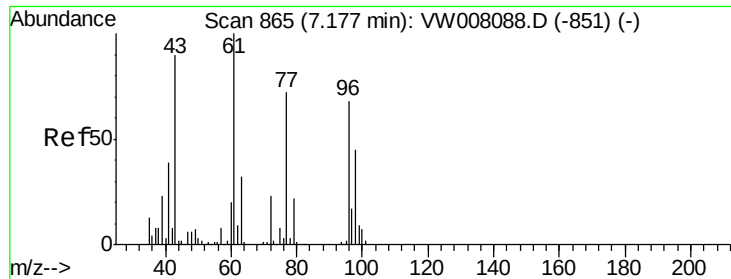
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 82.925 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW008171.D
Acq: 11 Jan 2019 02:54

Tgt Ion: 43 Resp: 17559
Ion Ratio Lower Upper
43 100
58 35.5 27.5 41.3





#25

2-Butanone

Concen: 8.913 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008171.D

Acq: 11 Jan 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

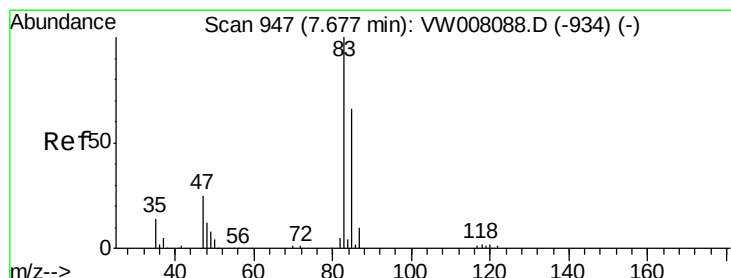
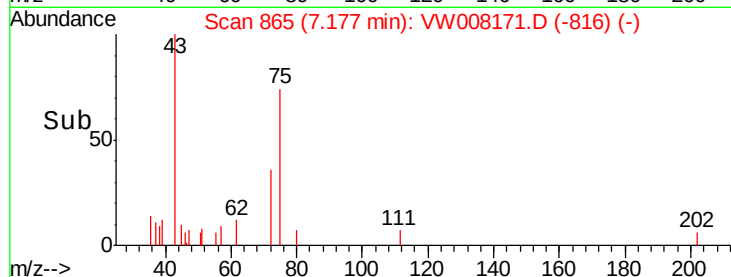
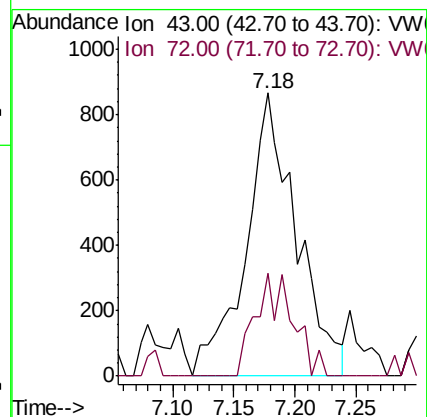
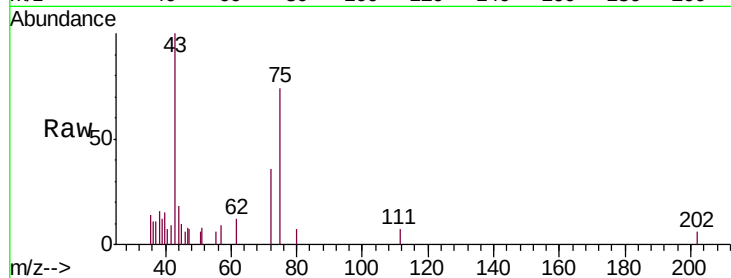
SU-03-010918-B

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

43 100

72 36.1 20.5 30.7#



#30

Chloroform

Concen: 1.778 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW008171.D

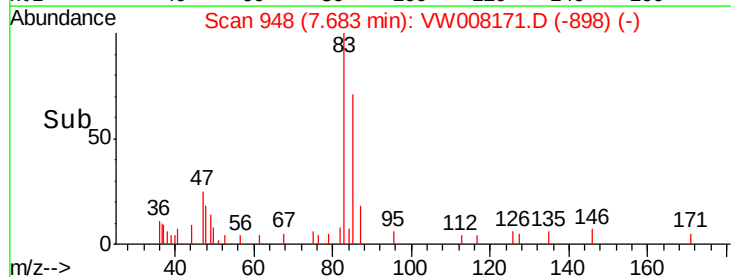
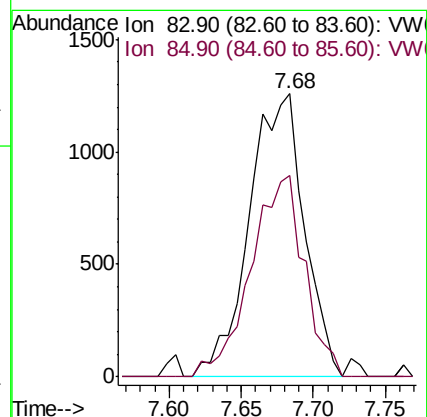
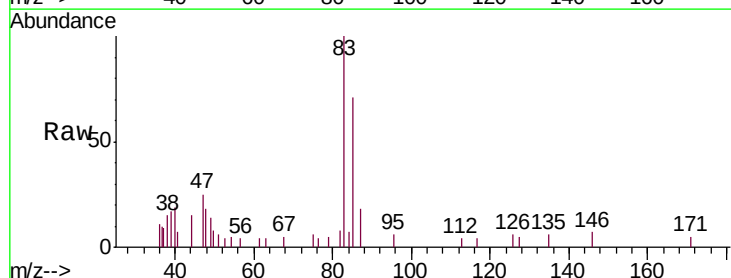
Acq: 11 Jan 2019 02:54

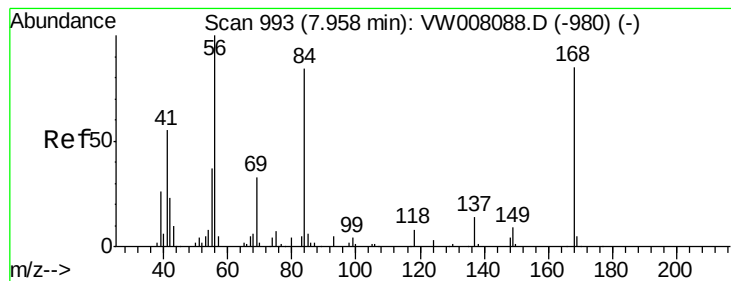
Tgt Ion: 83 Resp: 3348

Ion Ratio Lower Upper

83 100

85 71.0 53.2 79.8





#31

Cyclohexane

Concen: 1.231 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008171.D

Acq: 11 Jan 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

SU-03-010918-B

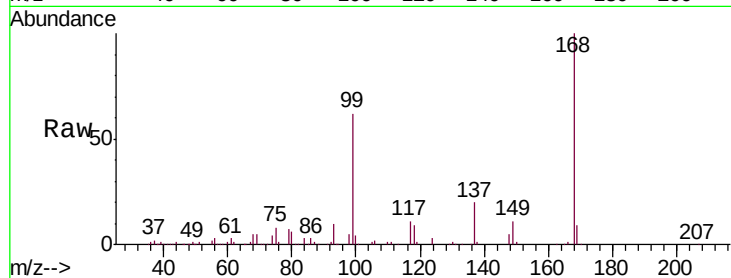
Tgt Ion: 56 Resp: 2608

Ion Ratio Lower Upper

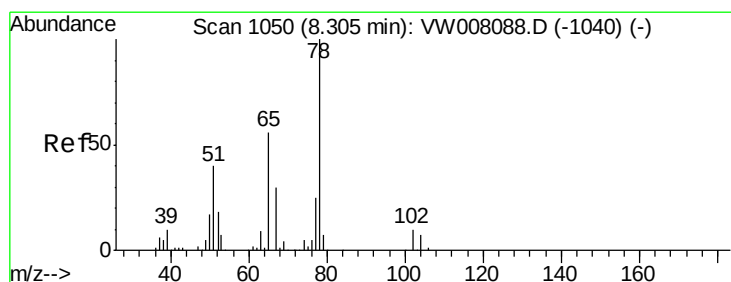
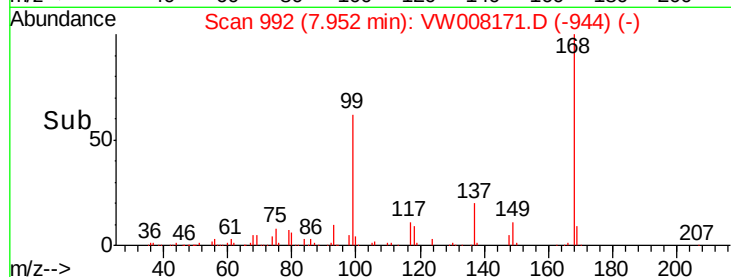
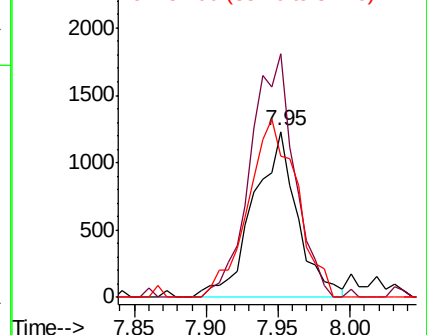
56 100

69 146.6 26.2 39.4#

84 85.2 67.4 101.2



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: 54.969 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008171.D

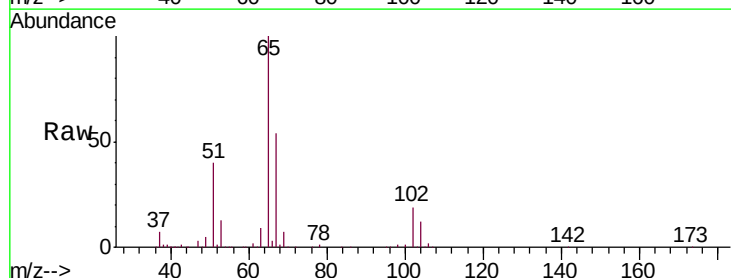
Acq: 11 Jan 2019 02:54

Tgt Ion: 65 Resp: 55324

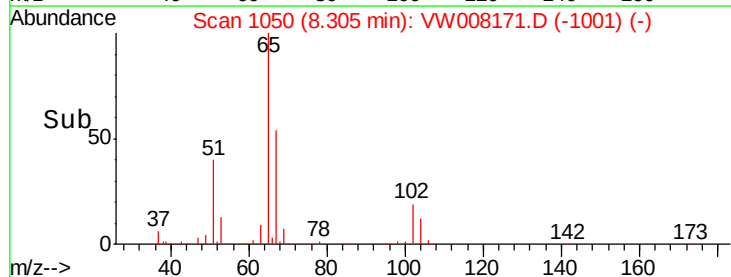
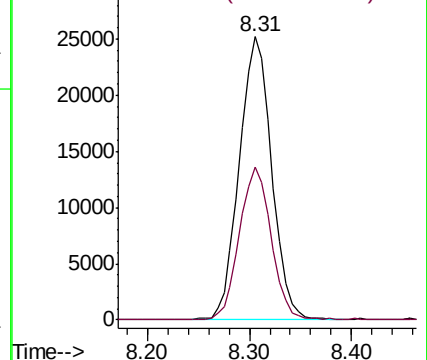
Ion Ratio Lower Upper

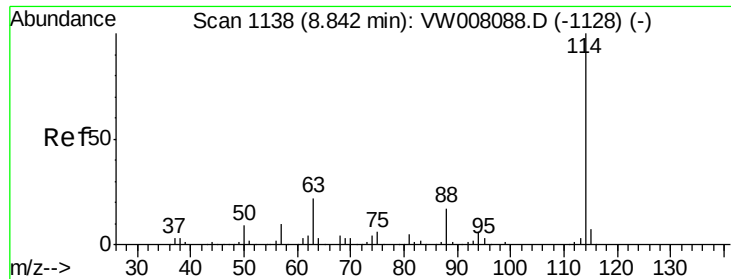
65 100

67 53.0 0.0 106.8



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

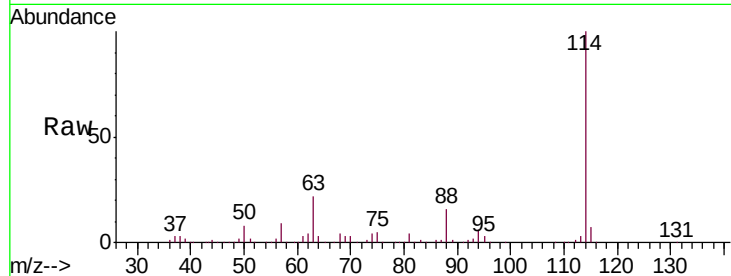




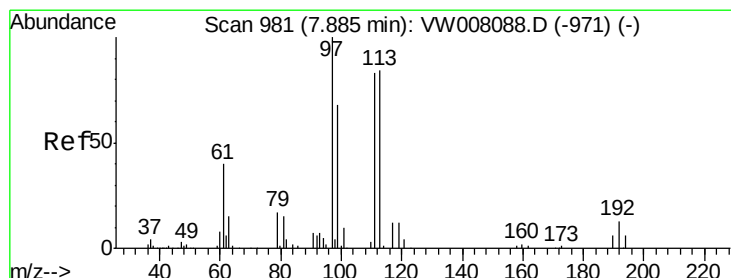
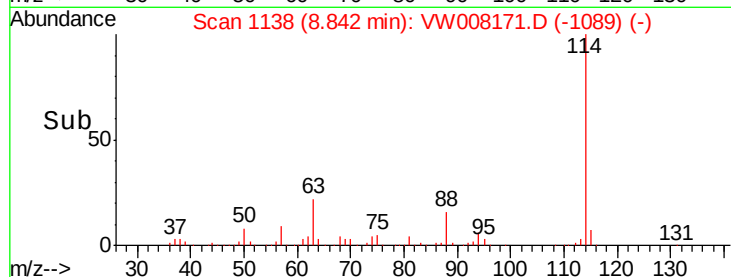
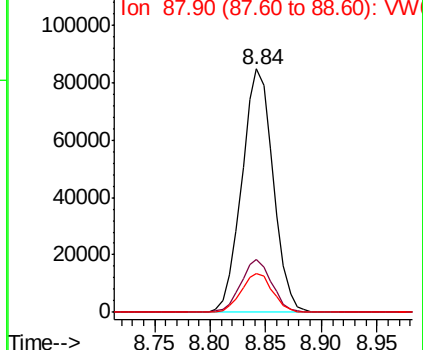
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-010918-B

Tgt Ion:114 Resp: 165582
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 15.8 0.0 33.4

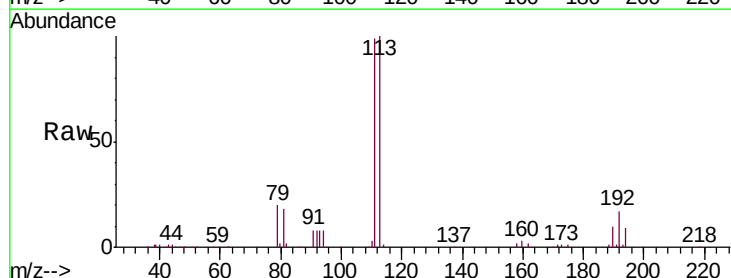


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

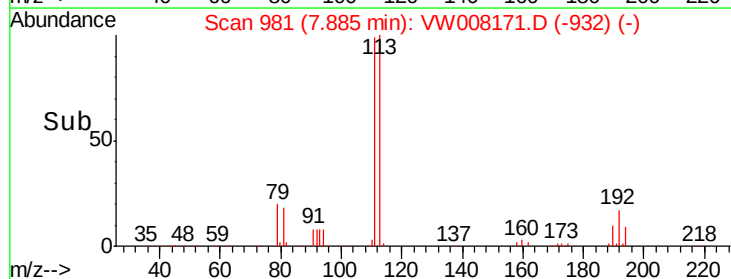
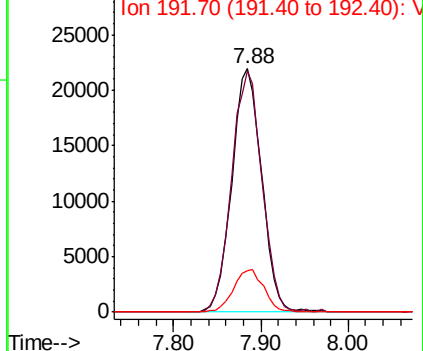


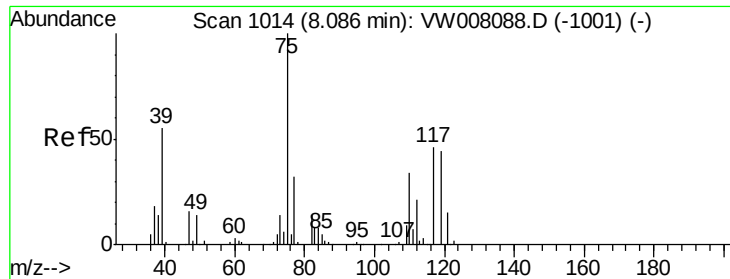
#35
 Dibromofluoromethane
 Concen: 54.001 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

Tgt Ion:113 Resp: 52151
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.8 122.8
 192 17.8 12.8 19.2



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

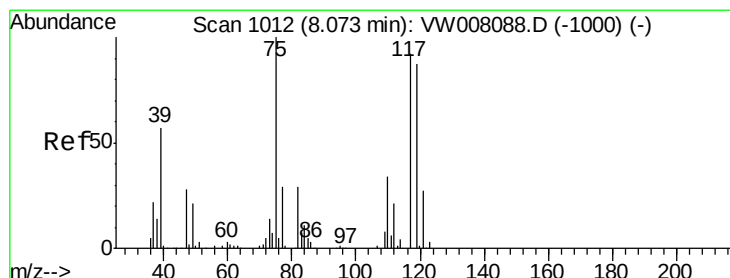
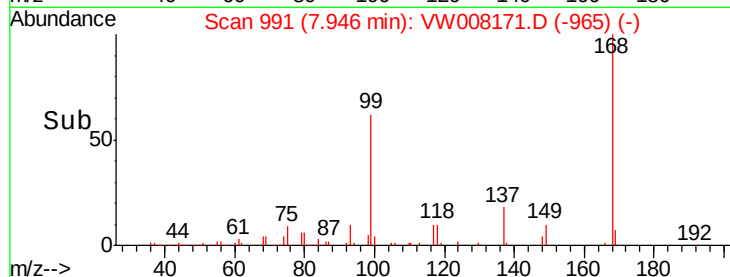
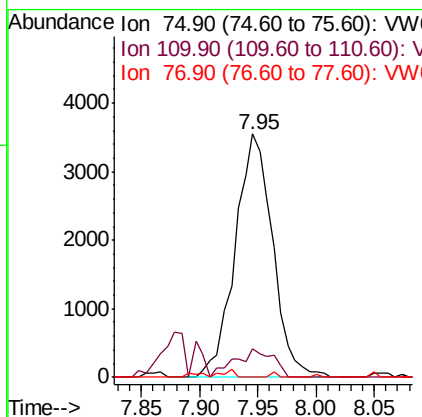
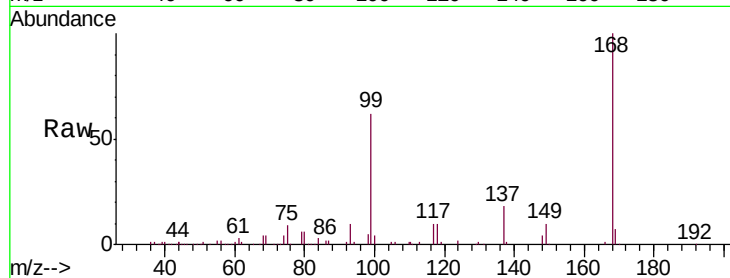




#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

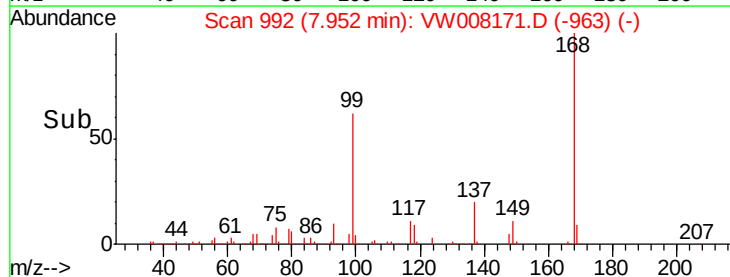
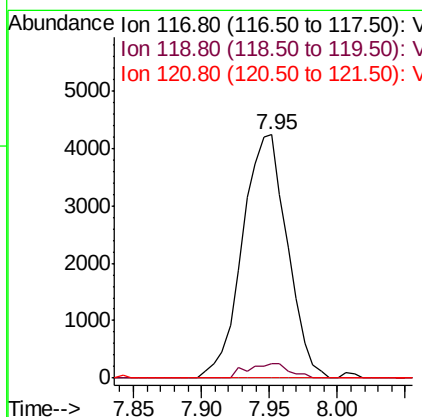
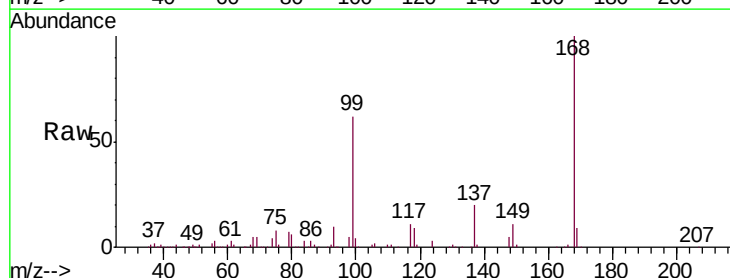
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-010918-B

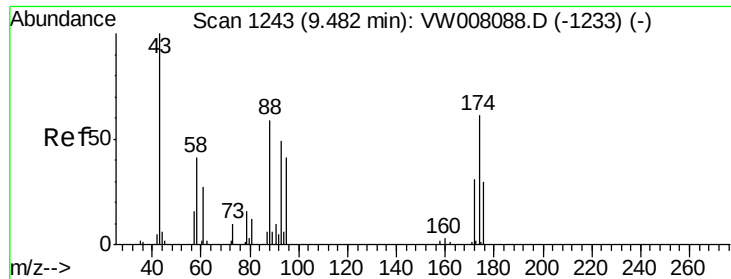
Tgt Ion: 75 Resp: 7961
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.1 51.3#
 77 1.1 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.274 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

Tgt Ion: 117 Resp: 9794
 Ion Ratio Lower Upper
 117 100
 119 6.1 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 2.428 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.11 min

Lab File: VW008171.D

Acq: 11 Jan 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

SU-03-010918-B

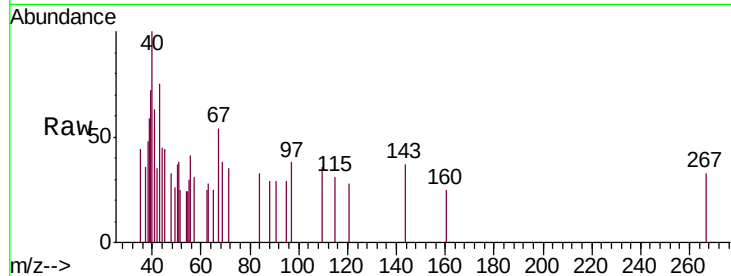
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1713.6 0.0 0.0#

58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

250

200

150

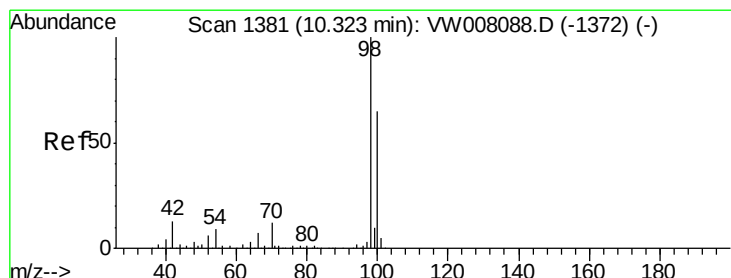
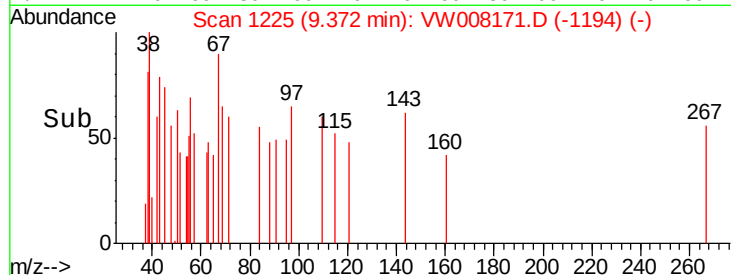
100

50

0

9.35 9.36 9.37 9.38 9.39

Time-->



#50

Toluene-d8

Concen: 51.997 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008171.D

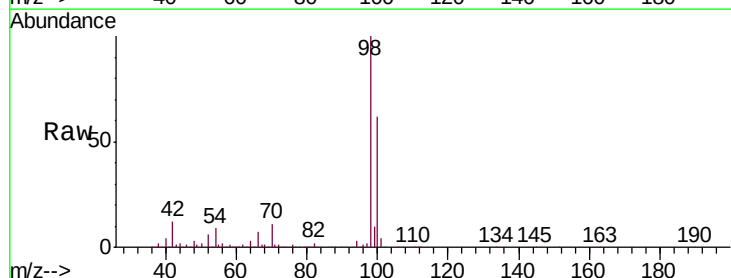
Acq: 11 Jan 2019 02:54

Tgt Ion: 98 Resp: 210722

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

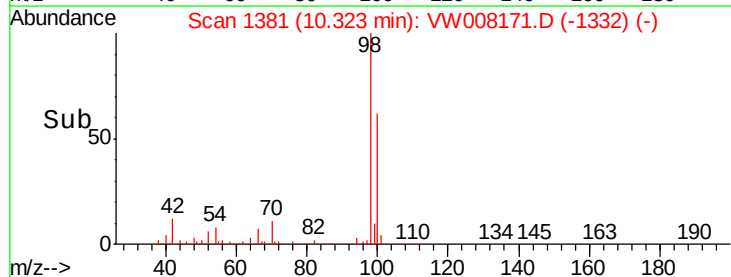
100000

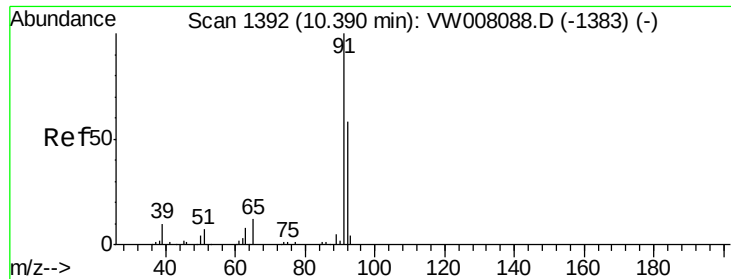
50000

0

10.30 10.32 10.34

Time-->





#52

Toluene

Concen: 3.112 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008171.D

Acq: 11 Jan 2019 02:54

Instrument :

MSVOA_W

ClientSampleId :

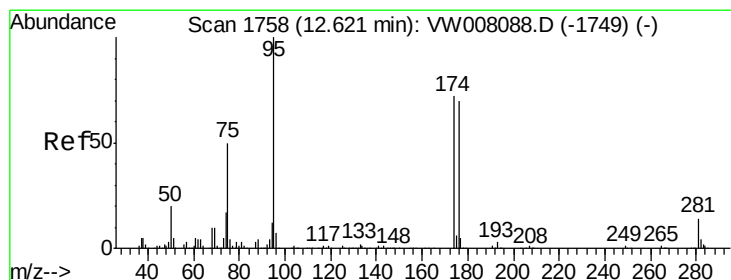
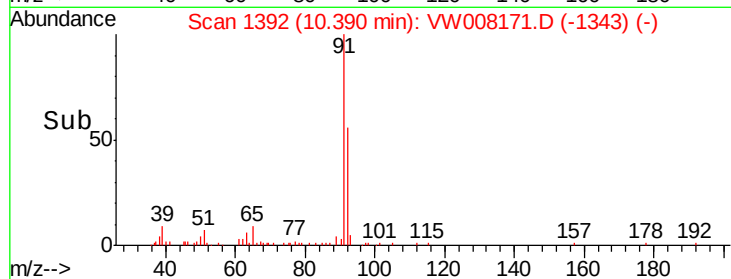
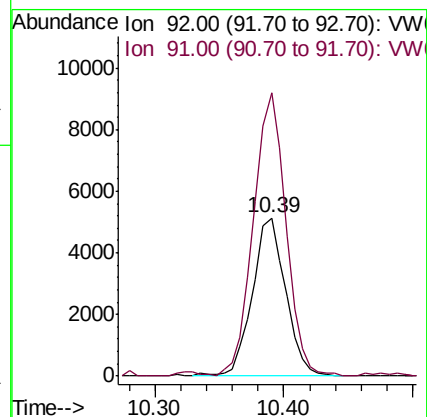
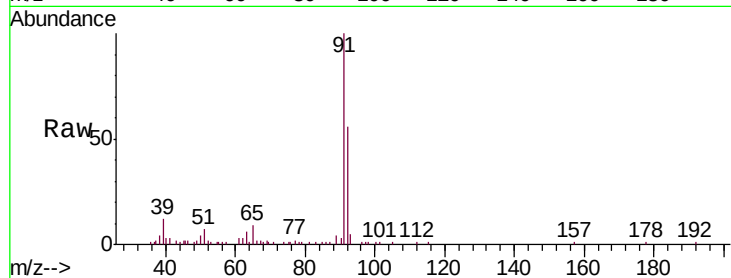
SU-03-010918-B

Tgt Ion: 92 Resp: 9194

Ion Ratio Lower Upper

92 100

91 174.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 46.397 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008171.D

Acq: 11 Jan 2019 02:54

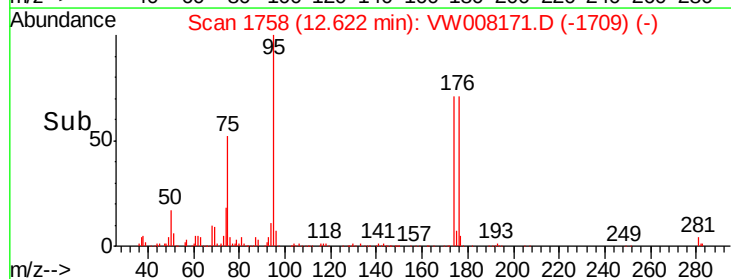
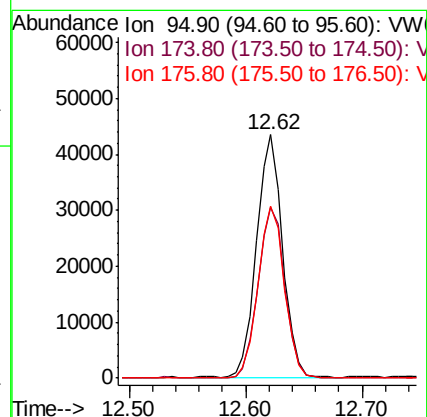
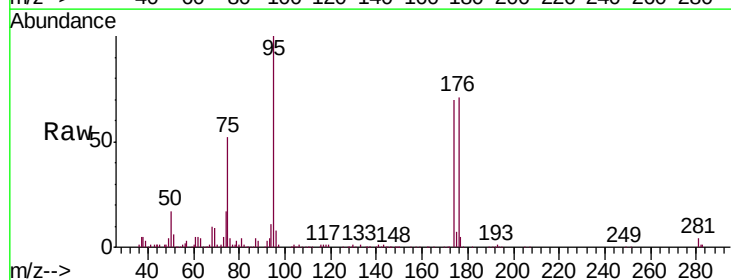
Tgt Ion: 95 Resp: 67408

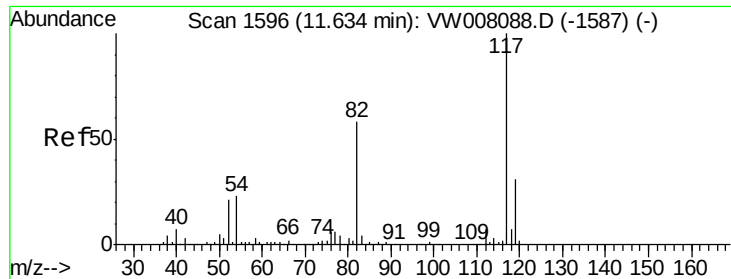
Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.0

176 72.1 0.0 140.2

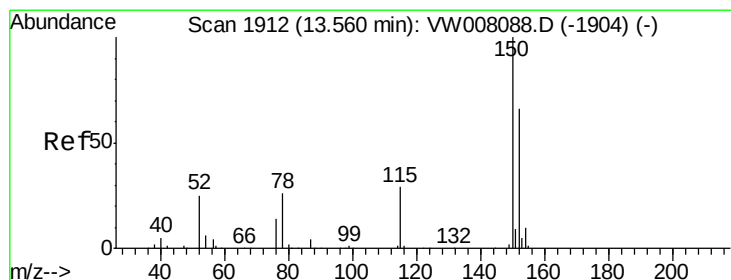
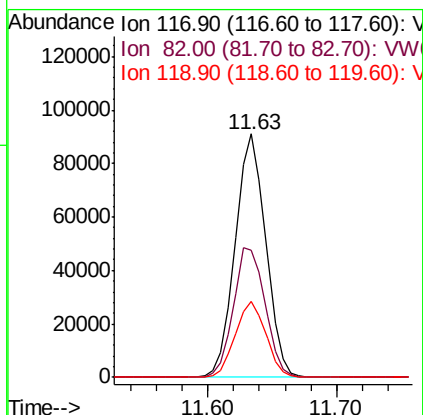
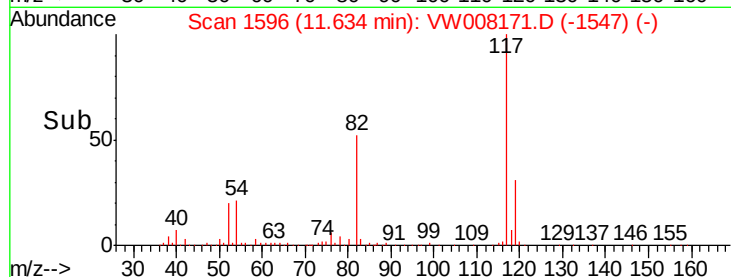
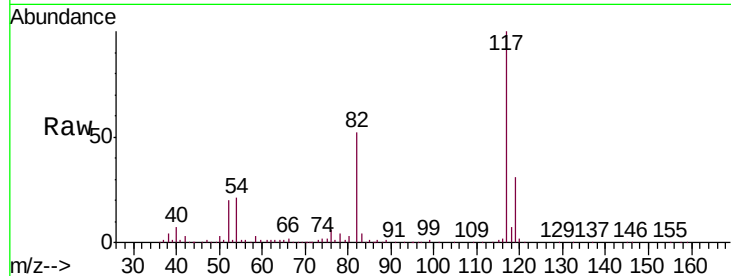




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008171.D
Acq: 11 Jan 2019 02:54

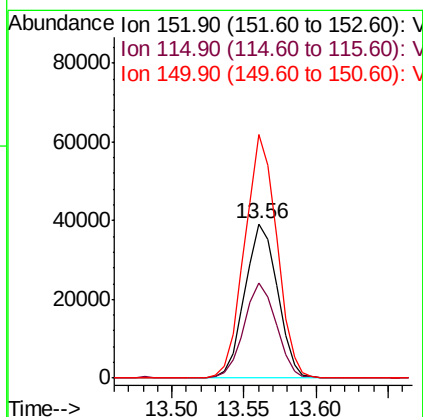
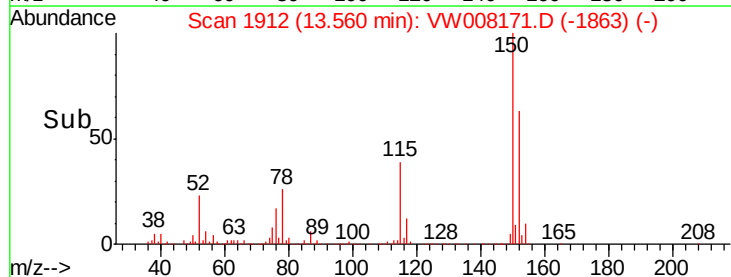
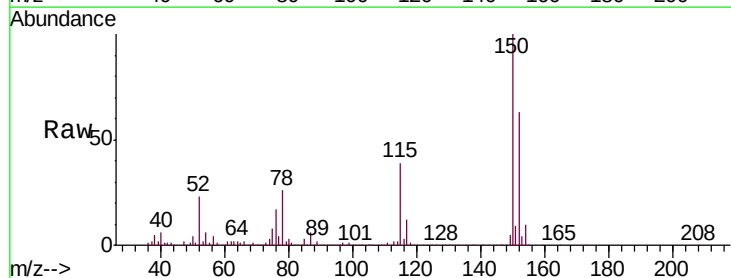
Instrument :
MSVOA_W
ClientSampleId :
SU-03-010918-B

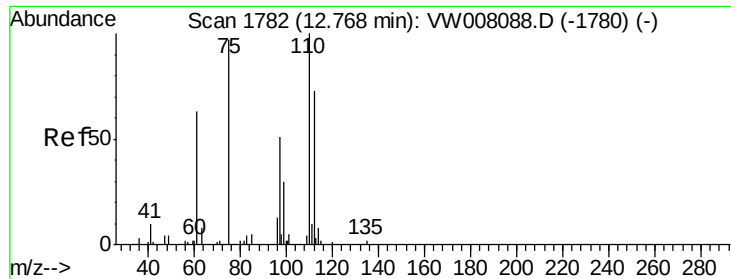
Tgt Ion:117 Resp: 150113
Ion Ratio Lower Upper
117 100
82 52.2 46.4 69.6
119 31.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008171.D
Acq: 11 Jan 2019 02:54

Tgt Ion:152 Resp: 61633
Ion Ratio Lower Upper
152 100
115 60.4 30.8 92.4
150 155.2 0.0 350.2

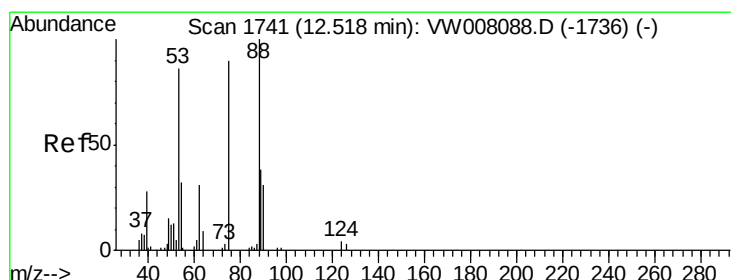
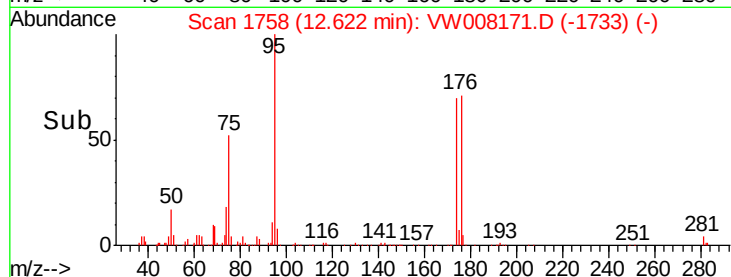
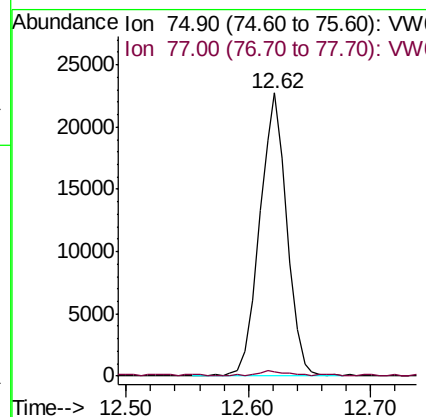
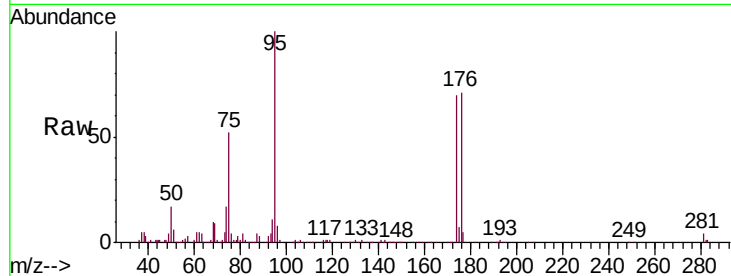




#76
 1,2,3-Trichloropropane
 Concen: 62.351 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

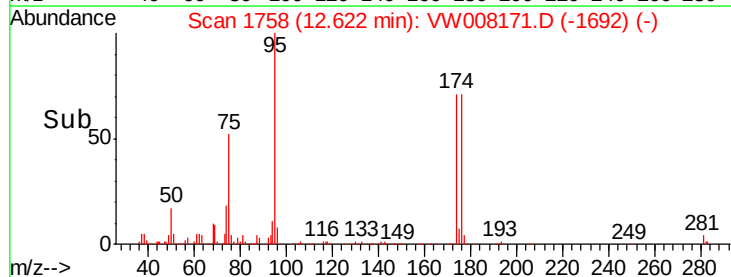
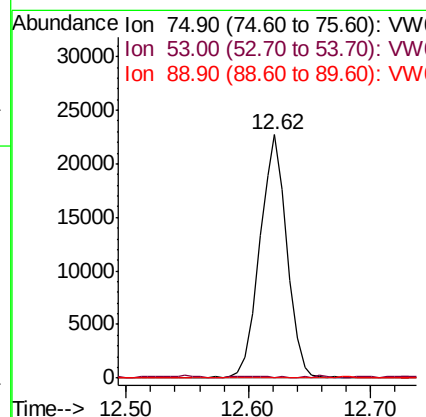
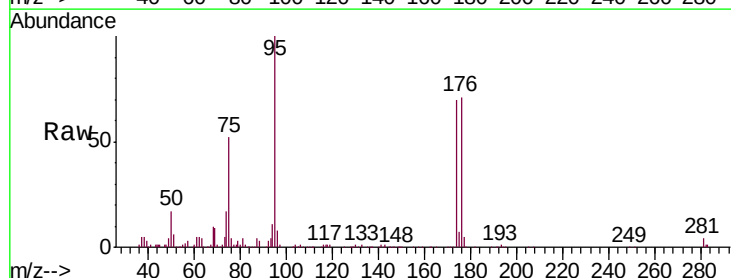
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-010918-B

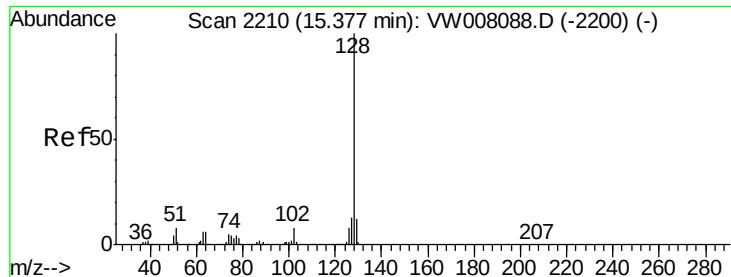
Tgt Ion: 75 Resp: 35032
 Ion Ratio Lower Upper
 75 100
 77 2.5 179.4 538.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.196 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008171.D
 Acq: 11 Jan 2019 02:54

Tgt Ion: 75 Resp: 35032
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.0 35.4 53.2#

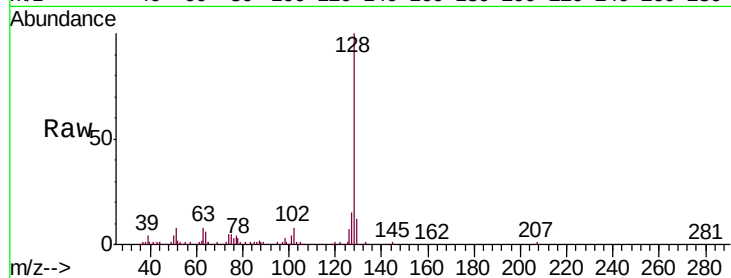




#95
Naphthalene
Concen: 16.684 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008171.D
Acq: 11 Jan 2019 02:54

Instrument :
MSVOA_W
ClientSampleId :
SU-03-010918-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.0	16.4
129	11.5	9.0	13.6



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

