

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007069.D
 Acq On : 27 Nov 2018 02:37
 Operator : VAY/AP
 Sample : J5774-07
 Misc : 6.14G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-B

Quant Time: Nov 27 05:32:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	118920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	195336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64401	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	64324	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	7.88	113	33790	30.63	ug/l	0.00
Spiked Amount			Recovery	=	61.26%	
50) Toluene-d8	10.32	98	219094	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.62	95	75252	39.26	ug/l	0.00
Spiked Amount			Recovery	=	78.52%	

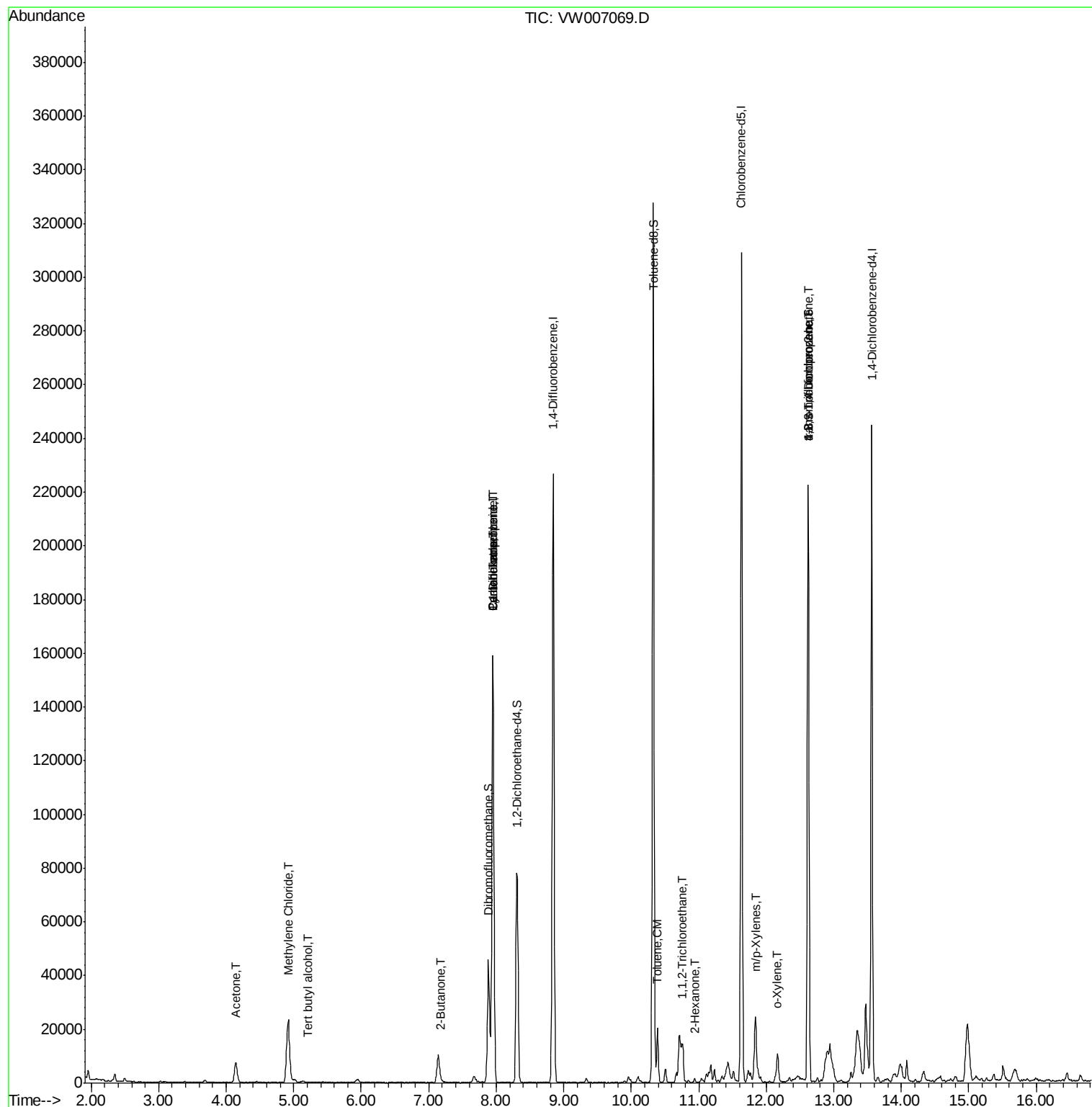
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	112	1.478	ug/l #	71
16) Acetone	4.14	43	14379	85.065	ug/l	96
20) Methylene Chloride	4.92	84	18364	9.229	ug/l	98
25) 2-Butanone	7.18	43	602	2.079	ug/l	93
31) Cyclohexane	7.95	56	2397	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9096	4.765	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12348	6.755	ug/l #	18
52) Toluene	10.39	92	8750	2.495	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	2742	2.930	ug/l #	19
59) 2-Hexanone	10.94	43	626	1.372	ug/l #	24
68) m/p-Xylenes	11.83	106	6426	2.489	ug/l	100
69) o-Xylene	12.17	106	2792	1.147	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	37303	73.713	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37303	185.063	ug/l #	10

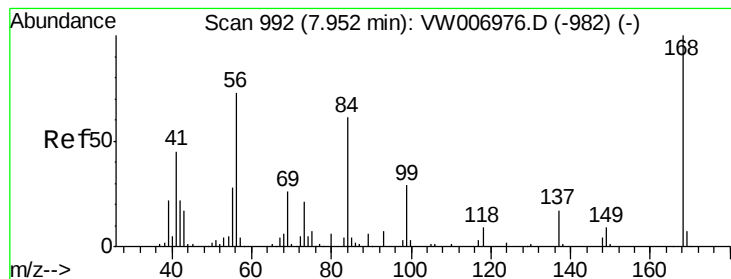
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
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: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

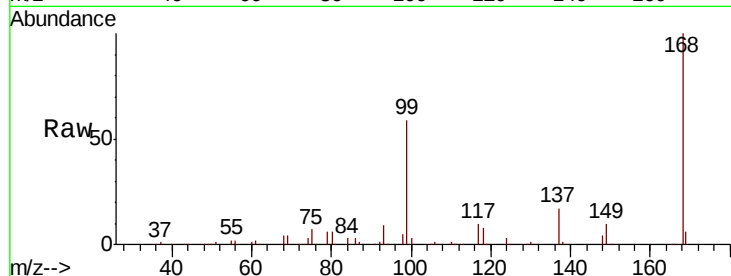
SU-03-112118-B

Tot Ion:168 Resp: 118920

Ion Ratio Lower Upper

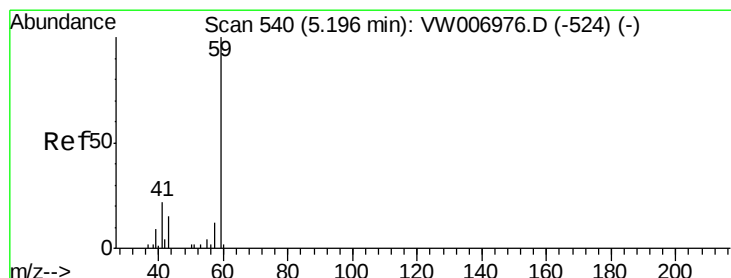
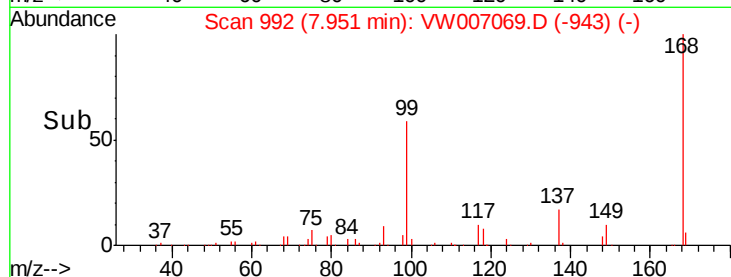
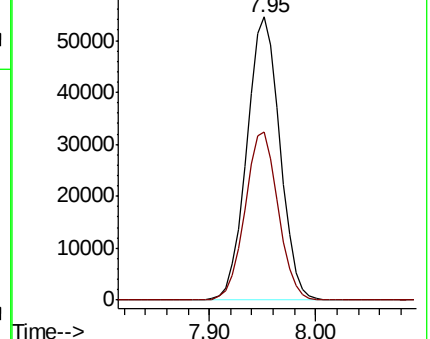
168 100

99 59.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.478 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW007069.D

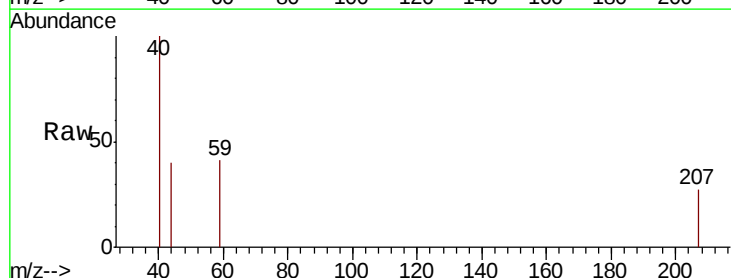
Acq: 27 Nov 2018 02:37

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

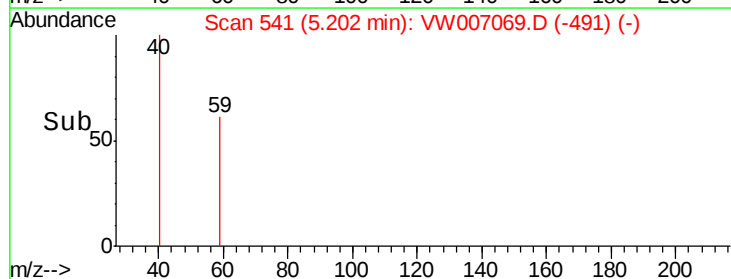
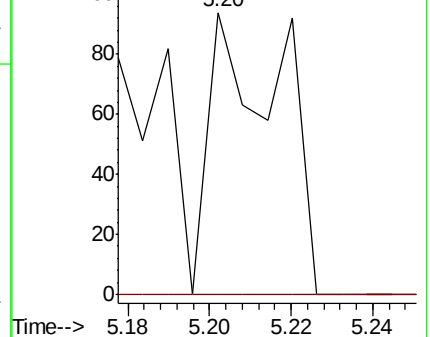
59 100

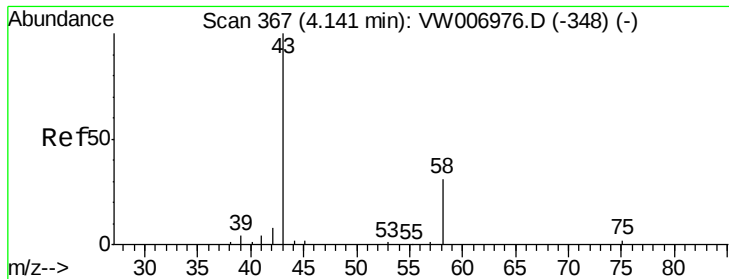
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 85.065 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

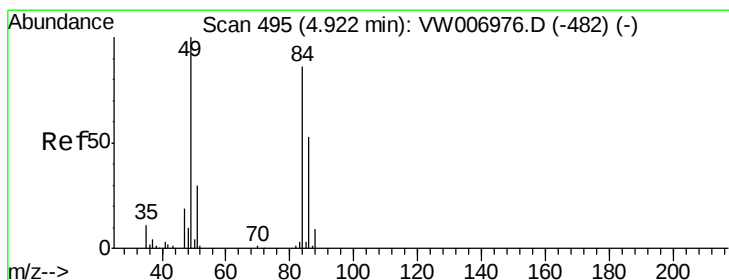
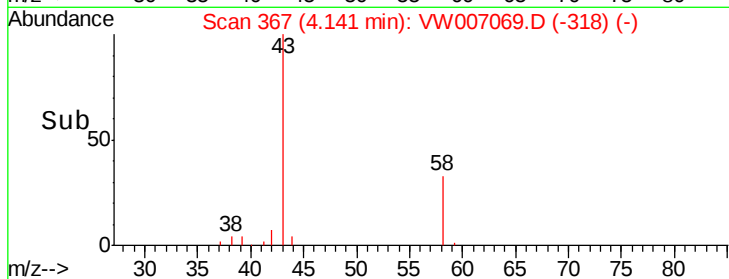
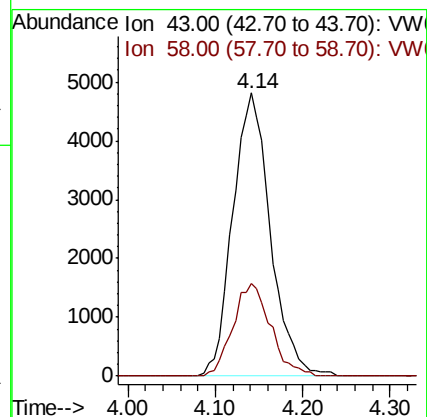
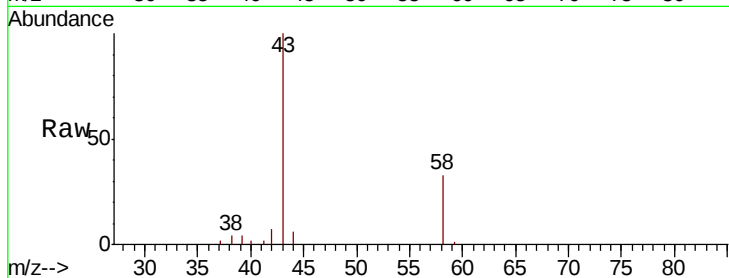
SU-03-112118-B

Tot Ion: 43 Resp: 14379

Ion Ratio Lower Upper

43 100

58 33.0 24.8 37.2



#20

Methylene Chloride

Concen: 9.229 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Tgt Ion: 84 Resp: 18364

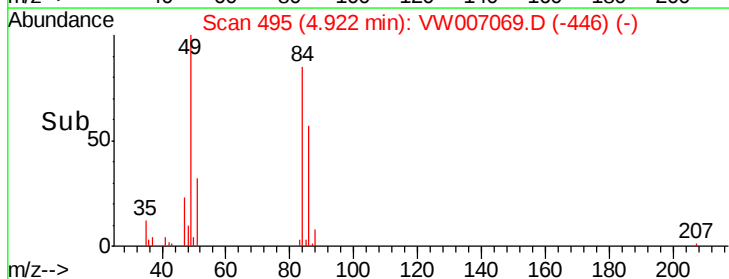
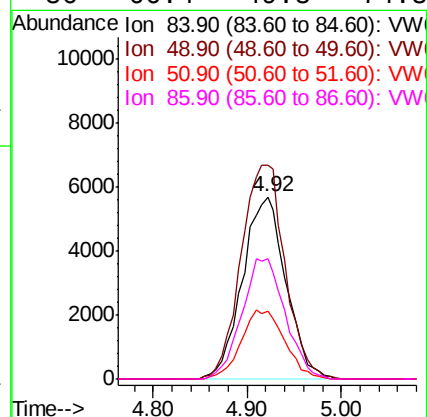
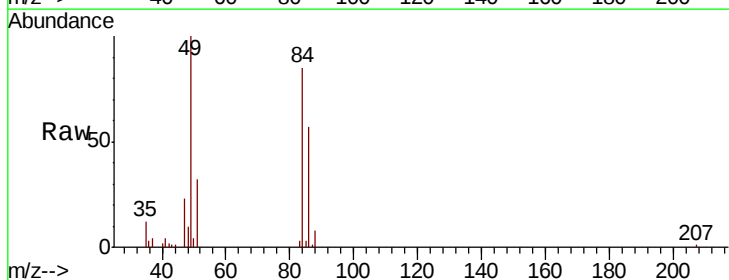
Ion Ratio Lower Upper

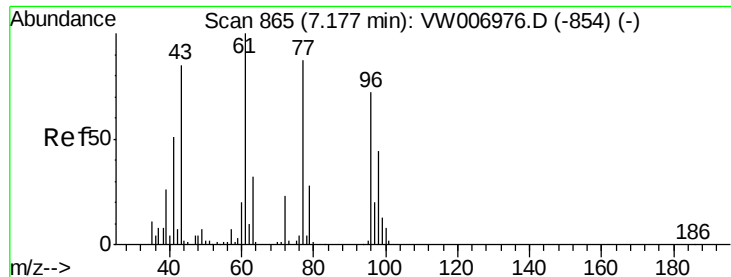
84 100

49 117.3 93.4 140.0

51 37.4 28.4 42.6

86 66.4 49.8 74.8





#25

2-Butanone

Concen: 2.079 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

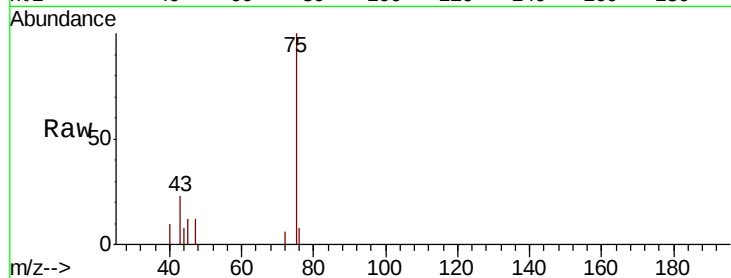
SU-03-112118-B

Tot Ion: 43 Resp: 602

Ion Ratio Lower Upper

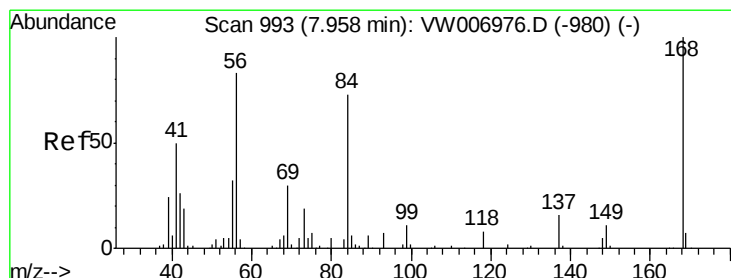
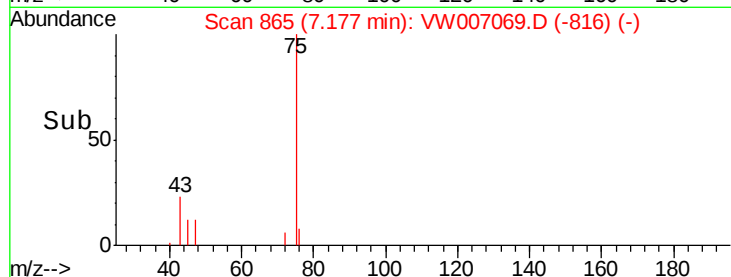
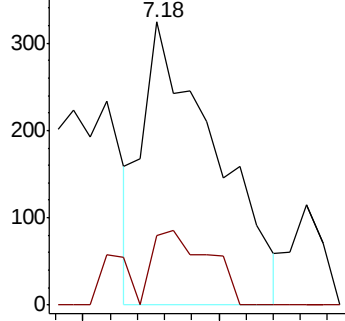
43 100

72 30.2 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

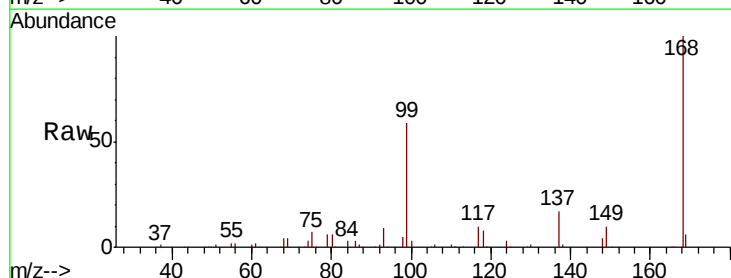
Tgt Ion: 56 Resp: 2397

Ion Ratio Lower Upper

56 100

69 185.9 29.1 43.7#

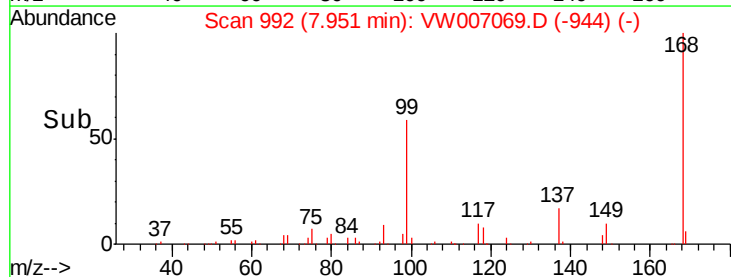
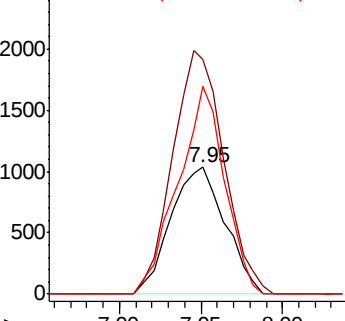
84 164.6 70.6 105.8#

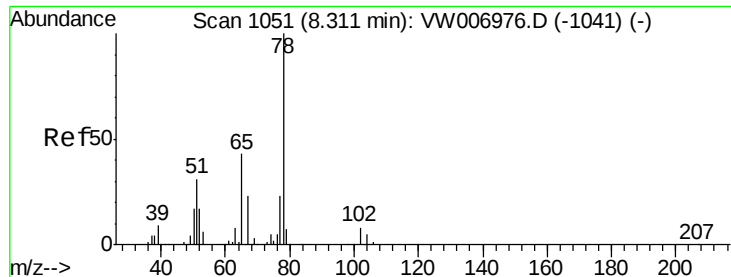


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

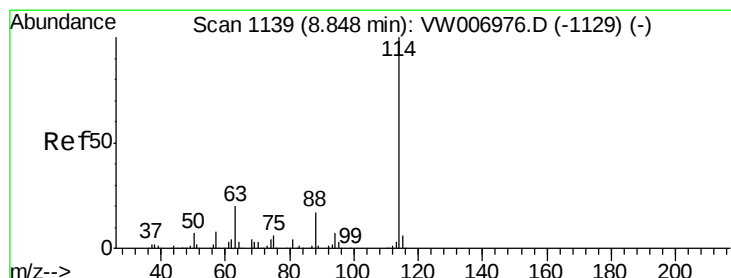
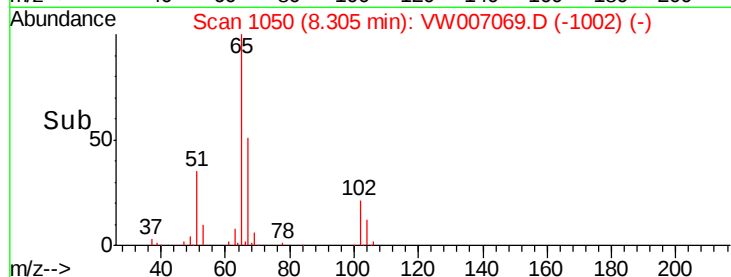
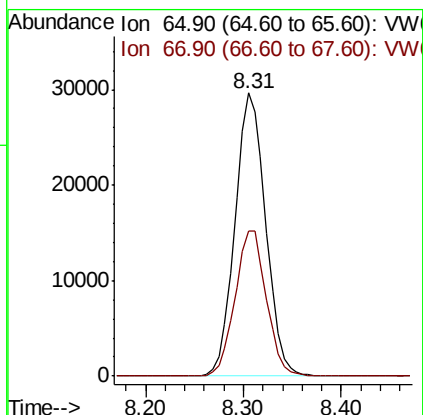
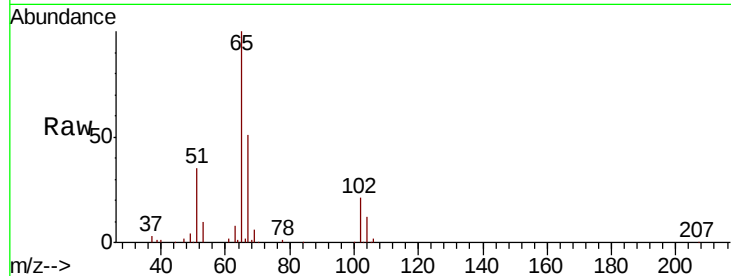




#33
 1,2-Dichloroethane-d4
 Concen: 55.249 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007069.D
 Acq: 27 Nov 2018 02:37

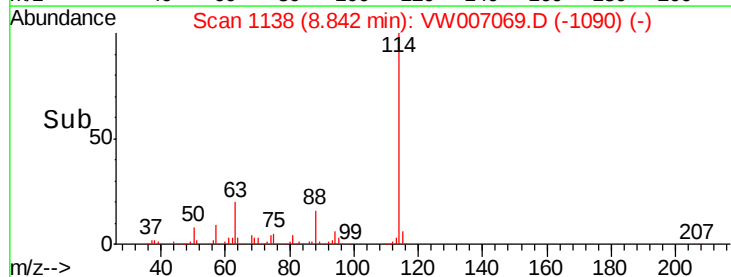
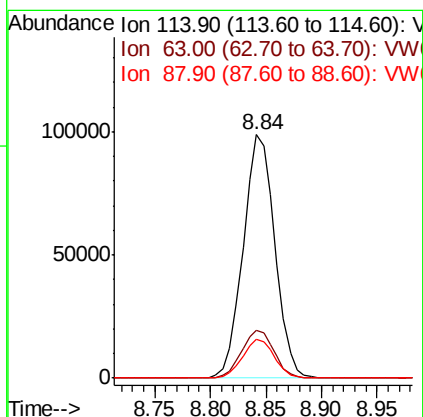
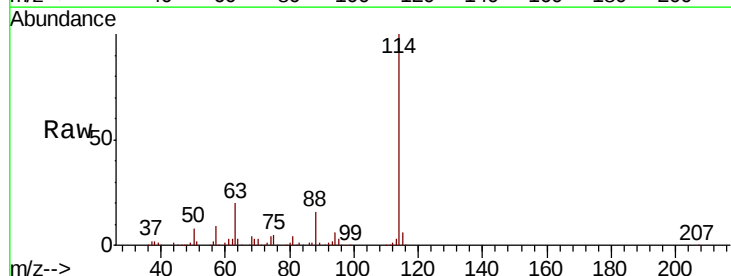
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-B

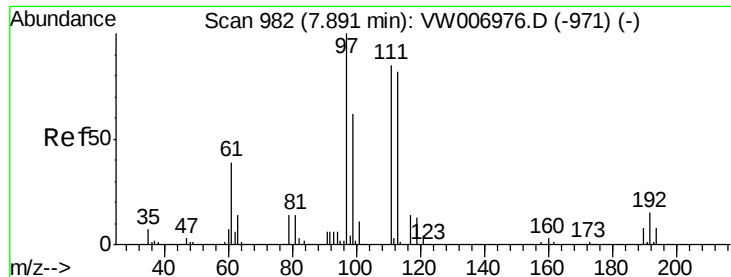
Tot Ion: 65 Resp: 64324
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007069.D
 Acq: 27 Nov 2018 02:37

Tgt Ion: 114 Resp: 195336
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 16.2 0.0 34.2

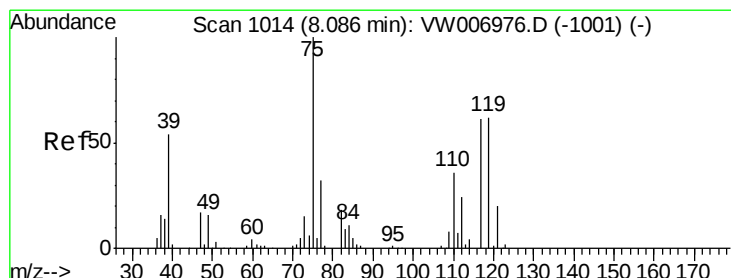
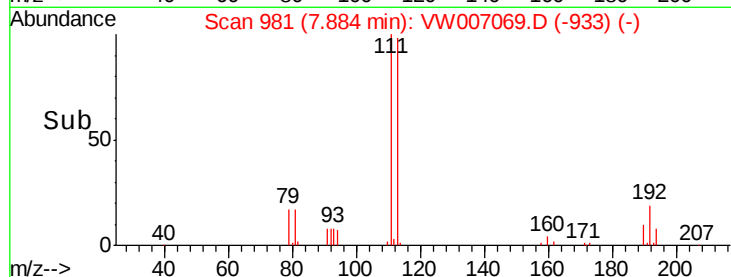
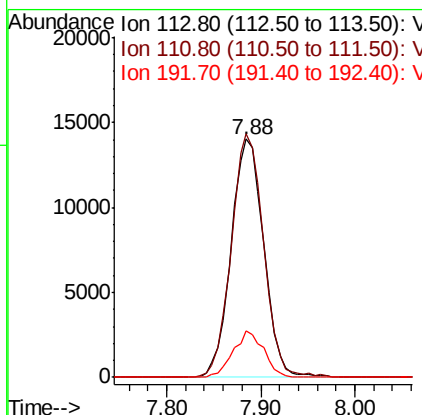
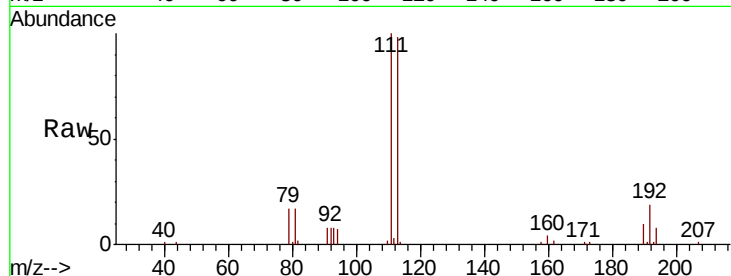




#35
 Dibromofluoromethane
 Concen: 30.631 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007069.D
 Acq: 27 Nov 2018 02:37

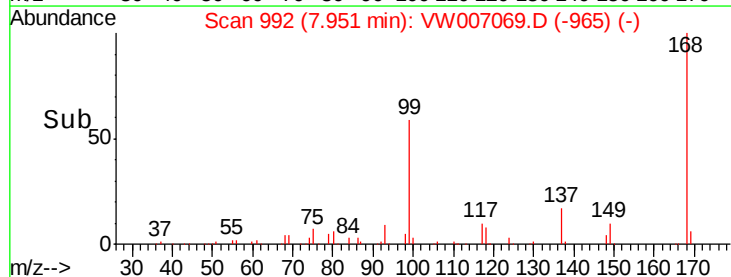
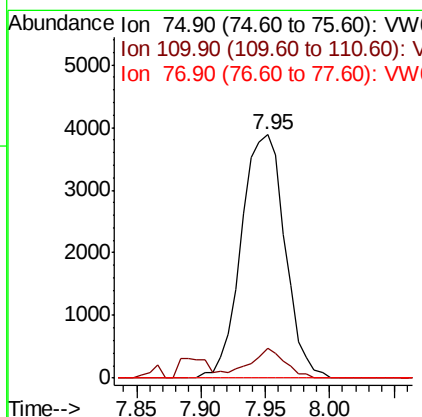
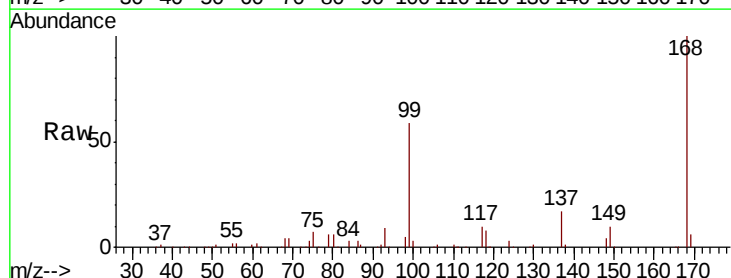
Instrument :
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 ClientSampleId :
 SU-03-112118-B

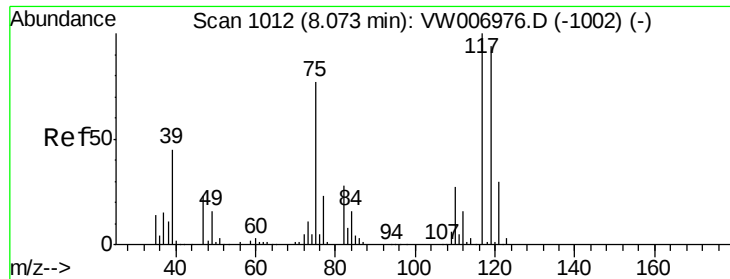
Tot Ion:113 Resp: 33790
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.0 121.6
 192 18.1 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 4.765 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007069.D
 Acq: 27 Nov 2018 02:37

Tgt Ion: 75 Resp: 9096
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.0 54.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

SU-03-112118-B

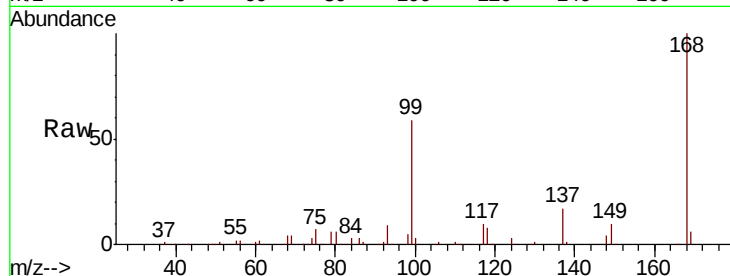
Tot Ion:117 Resp: 12348

Ion Ratio Lower Upper

117 100

119 6.3 74.9 112.3#

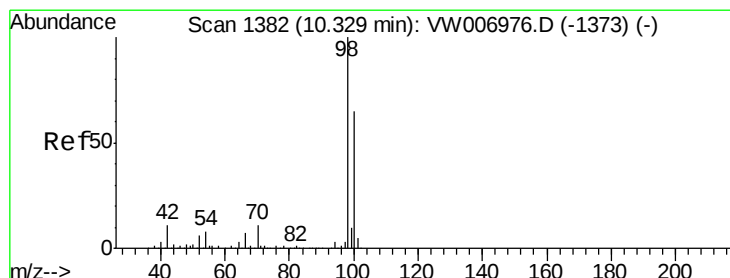
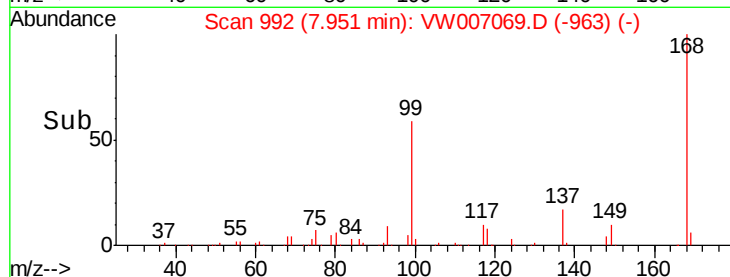
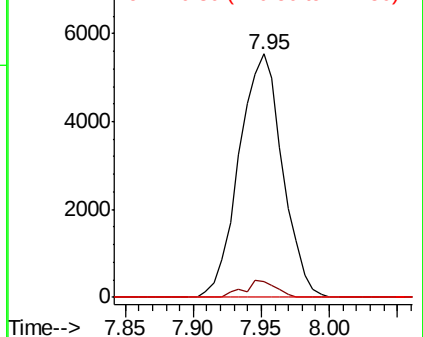
121 0.0 23.6 35.4#



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: 44.977 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007069.D

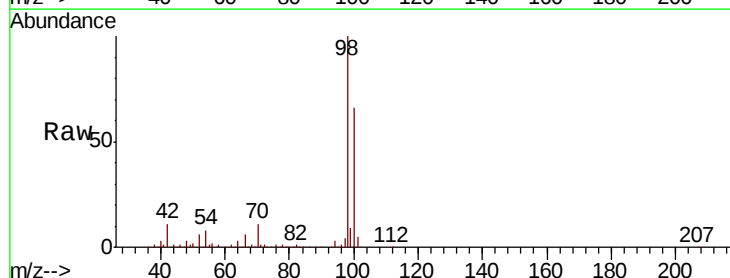
Acq: 27 Nov 2018 02:37

Tgt Ion: 98 Resp: 219094

Ion Ratio Lower Upper

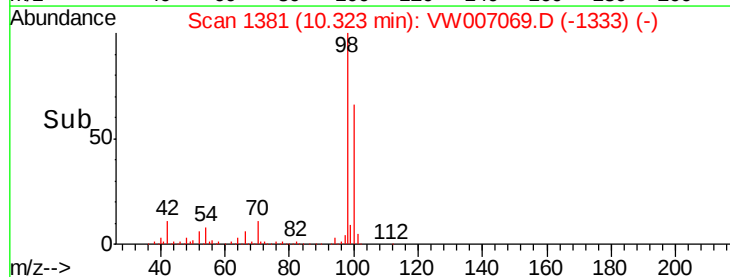
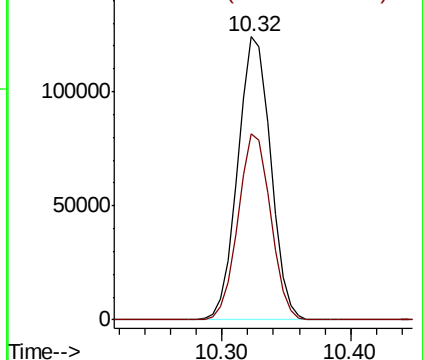
98 100

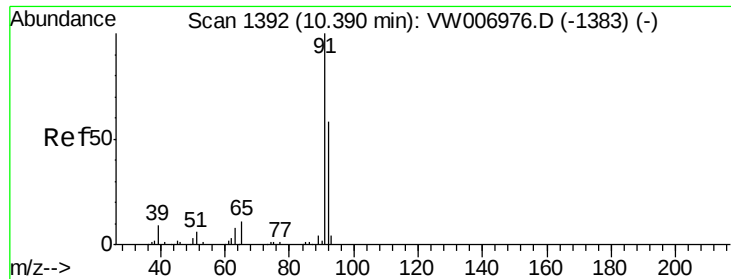
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.495 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

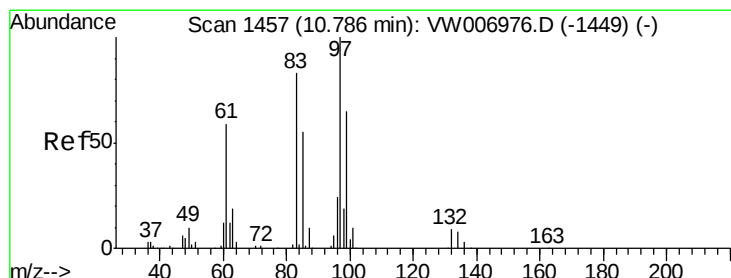
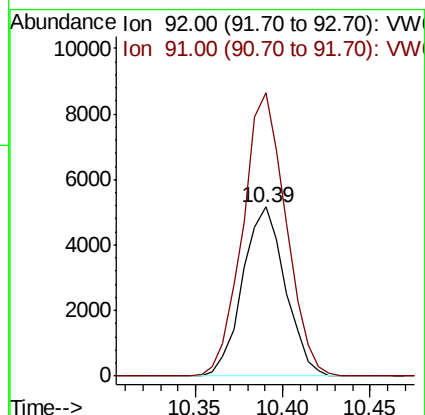
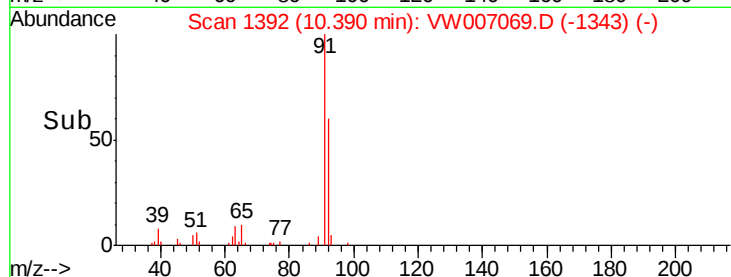
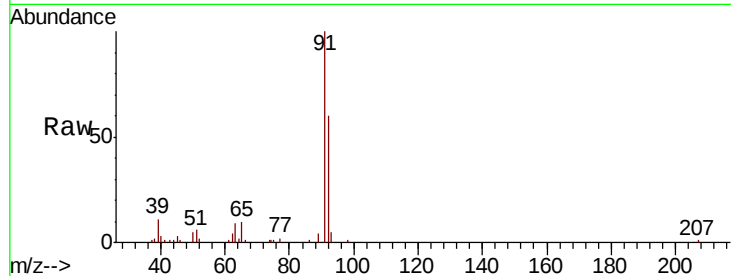
SU-03-112118-B

Tot Ion: 92 Resp: 8750

Ion Ratio Lower Upper

92 100

91 169.7 137.3 205.9



#55

1,1,2-Trichloroethane

Concen: 2.930 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Tgt Ion: 97 Resp: 2742

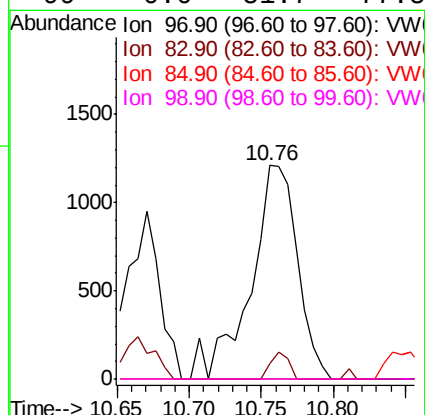
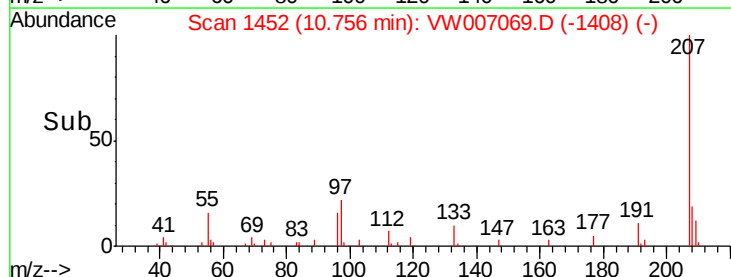
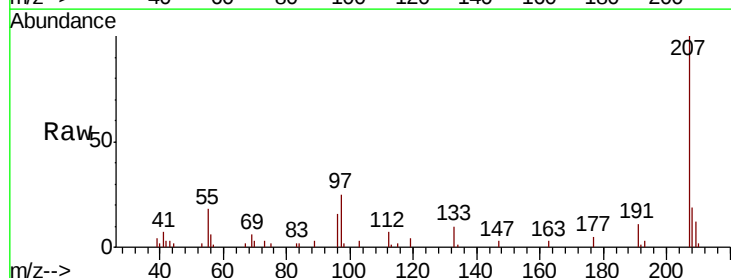
Ion Ratio Lower Upper

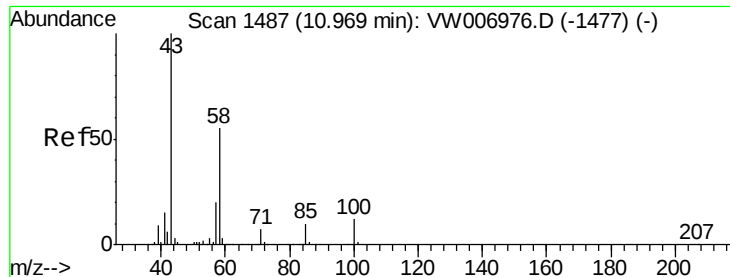
97 100

83 7.5 66.4 99.6#

85 0.0 44.1 66.1#

99 0.0 51.7 77.5#





#59

2-Hexanone

Concen: 1.372 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

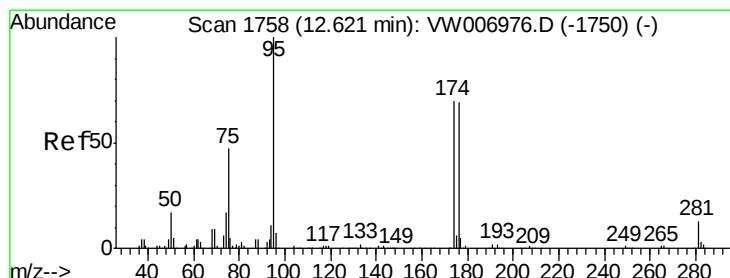
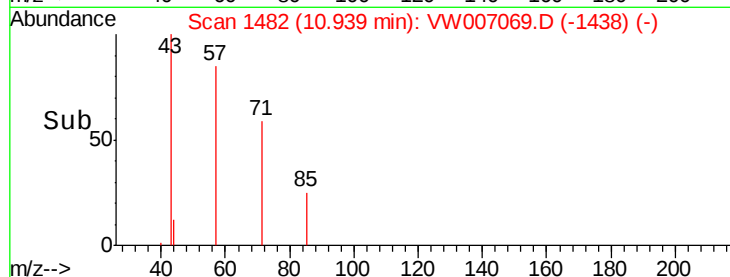
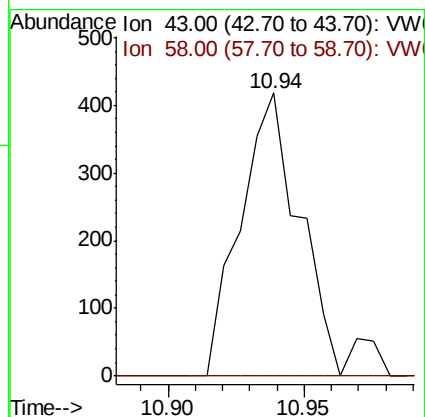
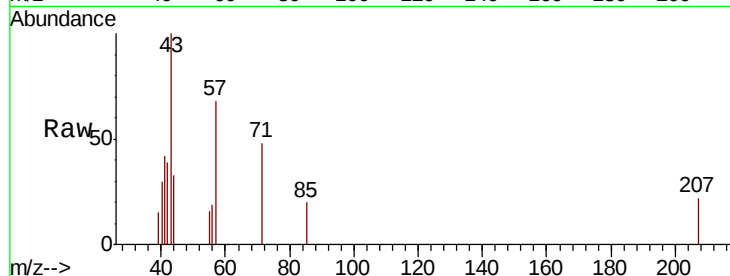
SU-03-112118-B

Tot Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 39.257 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

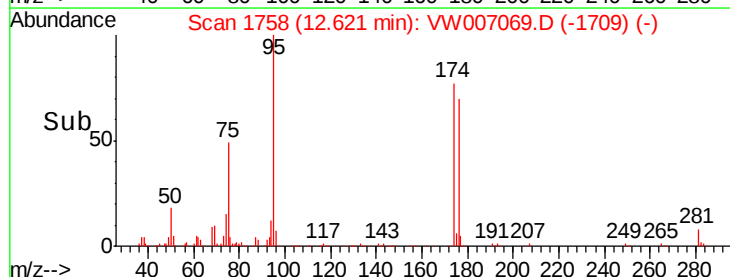
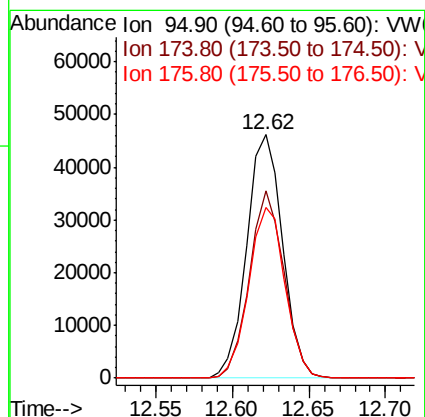
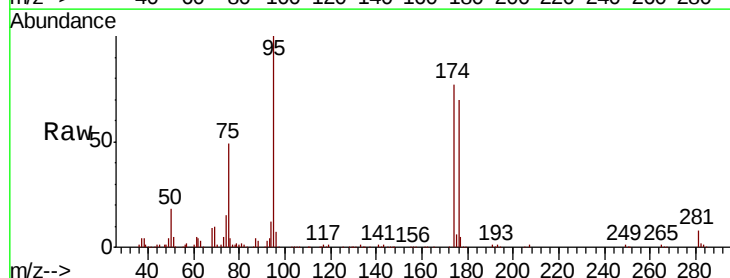
Tgt Ion: 95 Resp: 75252

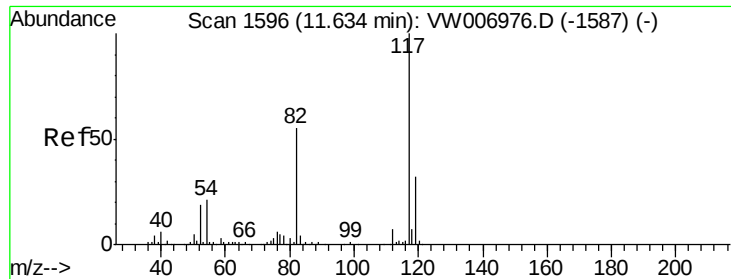
Ion Ratio Lower Upper

95 100

174 74.2 0.0 143.6

176 71.3 0.0 140.4

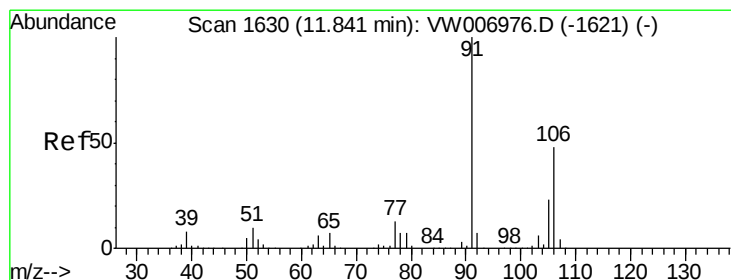
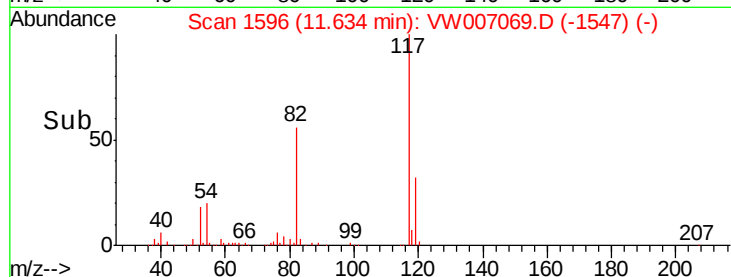
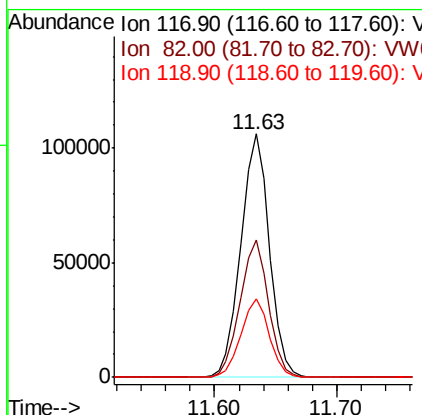
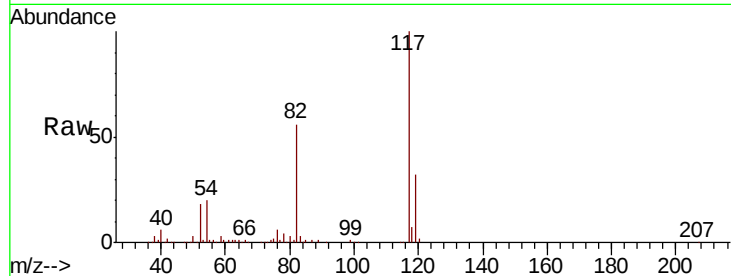




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007069.D
Acq: 27 Nov 2018 02:37

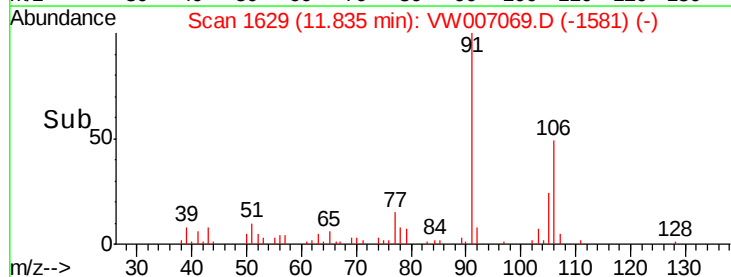
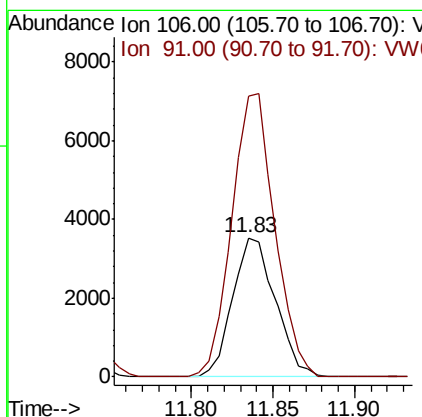
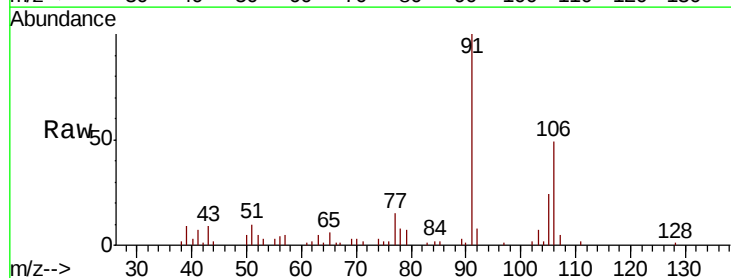
Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-B

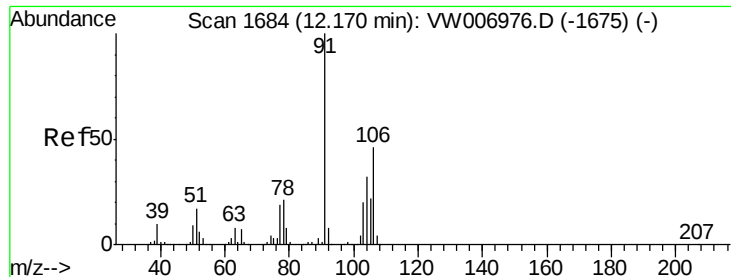
Tot Ion:117 Resp: 171611
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 2.489 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007069.D
Acq: 27 Nov 2018 02:37

Tgt Ion:106 Resp: 6426
Ion Ratio Lower Upper
106 100
91 205.4 164.8 247.2

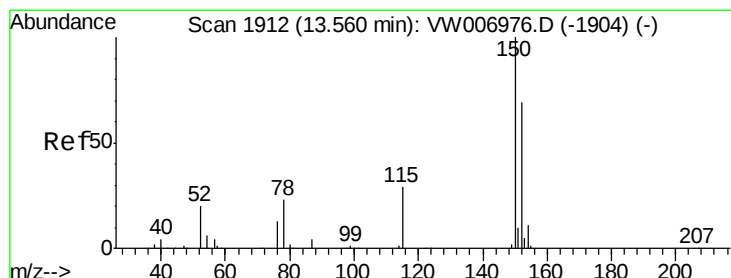
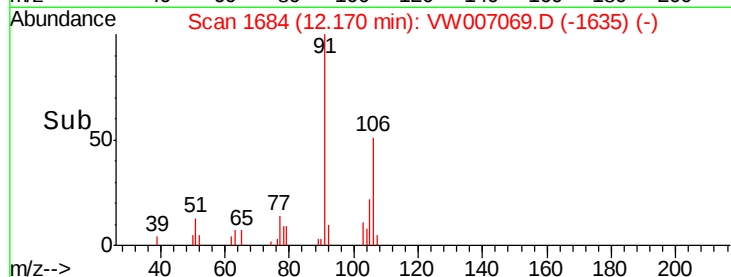
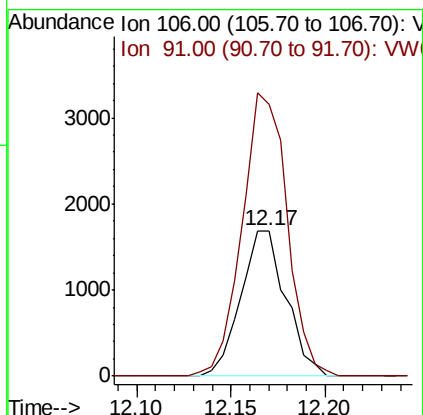
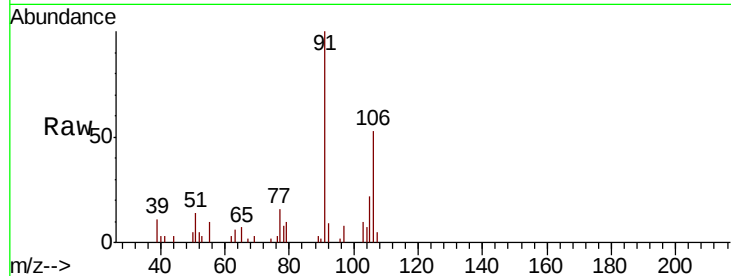




#69
o-Xylene
Concen: 1.147 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007069.D
Acq: 27 Nov 2018 02:37

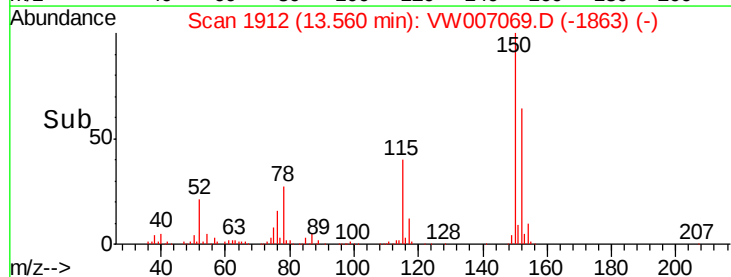
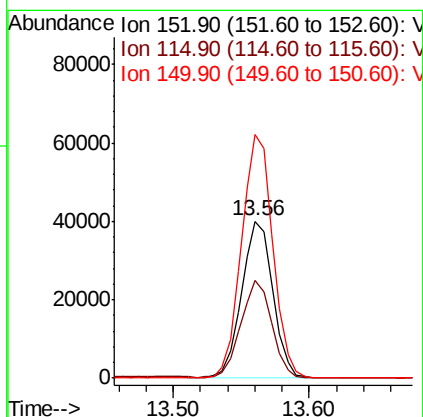
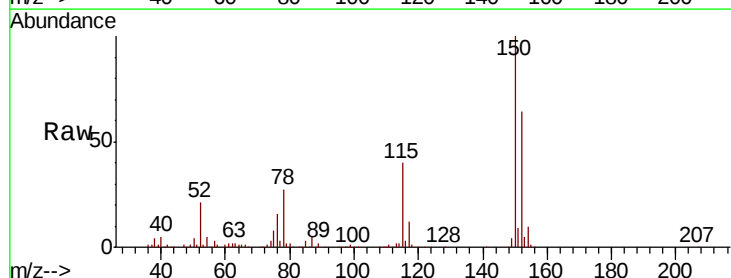
Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-B

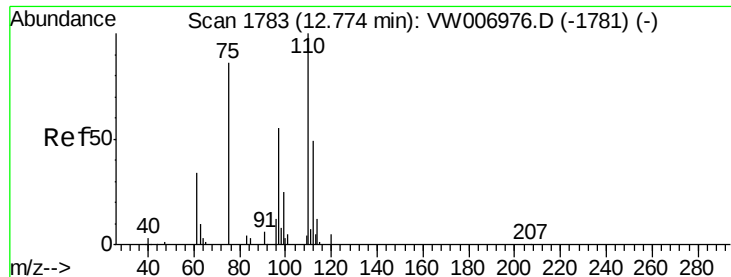
Tot Ion:106 Resp: 2792
Ion Ratio Lower Upper
106 100
91 195.6 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007069.D
Acq: 27 Nov 2018 02:37

Tgt Ion:152 Resp: 64401
Ion Ratio Lower Upper
152 100
115 61.7 31.4 94.2
150 154.9 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 73.713 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Instrument :

MSVOA_W

ClientSampleId :

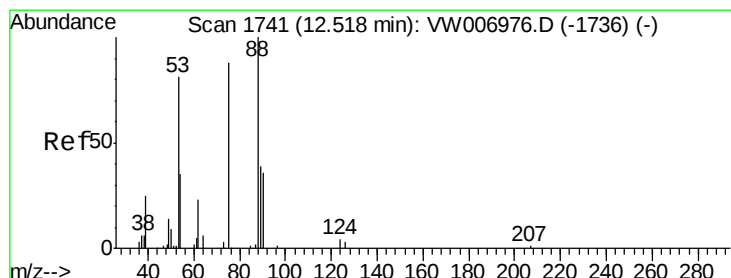
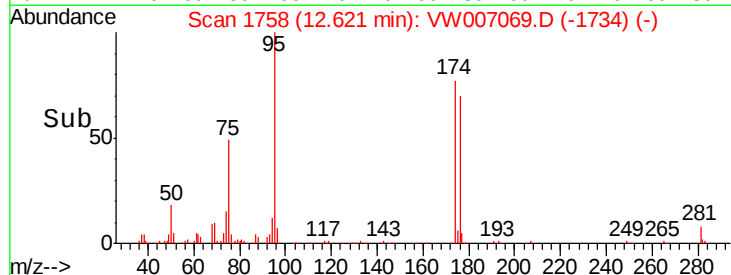
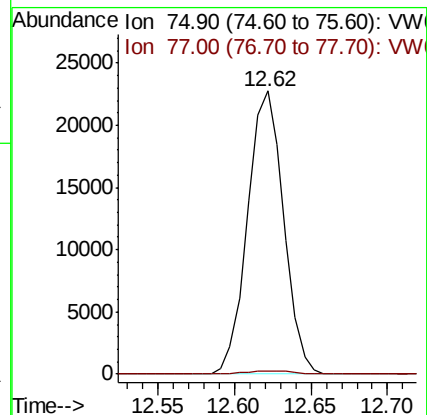
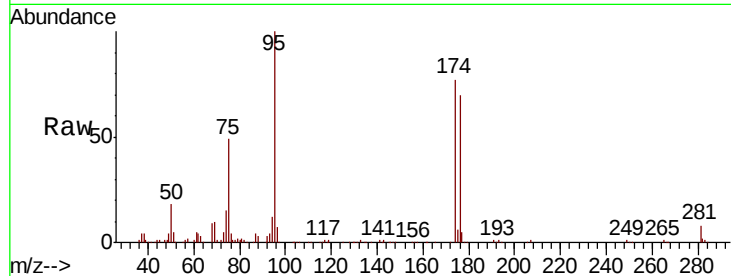
SU-03-112118-B

Tot Ion: 75 Resp: 37303

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 185.063 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007069.D

Acq: 27 Nov 2018 02:37

Tgt Ion: 75 Resp: 37303

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 39.3 58.9#

