

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
 Data File : VW006432.D
 Acq On : 27 Oct 2018 05:16
 Operator : SY/AP
 Sample : J5515-21RE
 Misc : 5.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C1-02BRE

Quant Time: Oct 27 05:44:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	401733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214328	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	114450	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
35) Dibromofluoromethane	7.88	113	115119	44.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.68%	
50) Toluene-d8	10.33	98	445402	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
62) 4-Bromofluorobenzene	12.62	95	160661	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	

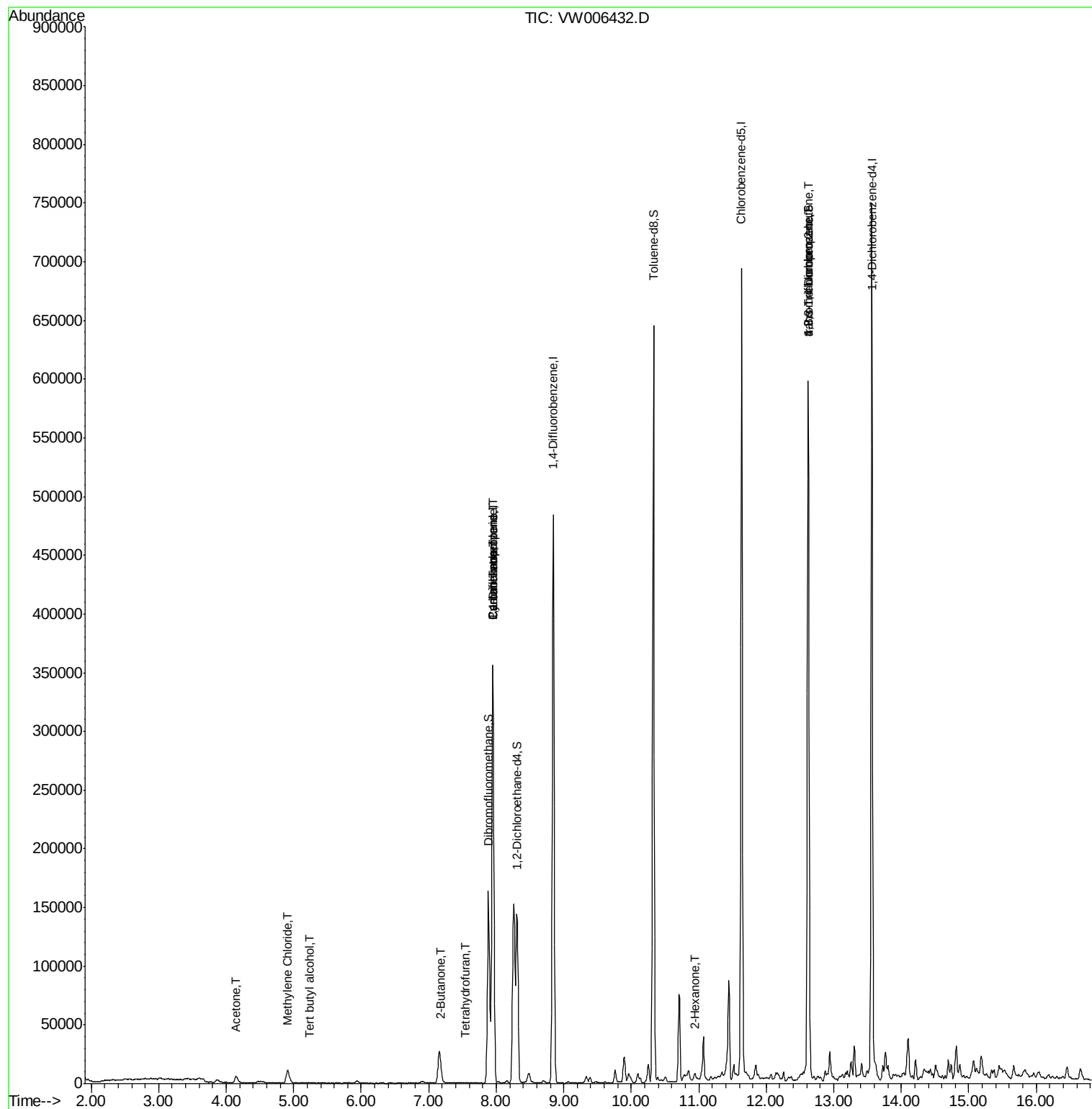
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	868	5.254	ug/l #	78
16) Acetone	4.15	43	12115	12.208	ug/l	94
20) Methylene Chloride	4.92	84	9372	2.045	ug/l #	92
25) 2-Butanone	7.18	43	3160	4.762	ug/l	90
29) Tetrahydrofuran	7.54	42	426	1.044	ug/l #	39
31) Cyclohexane	7.95	56	5461	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18346	4.530	ug/l #	48
38) Carbon Tetrachloride	7.95	117	25269	5.692	ug/l #	17
59) 2-Hexanone	10.94	43	2050	1.863	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	80033	48.889	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80033	116.863	ug/l #	10

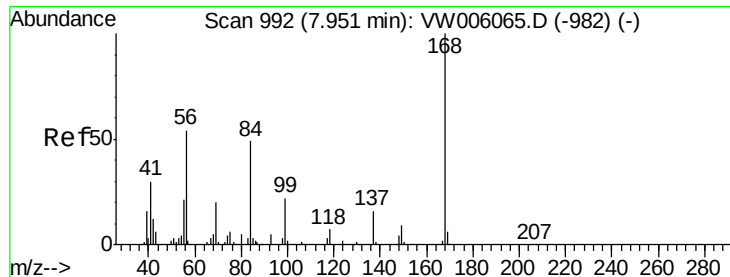
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

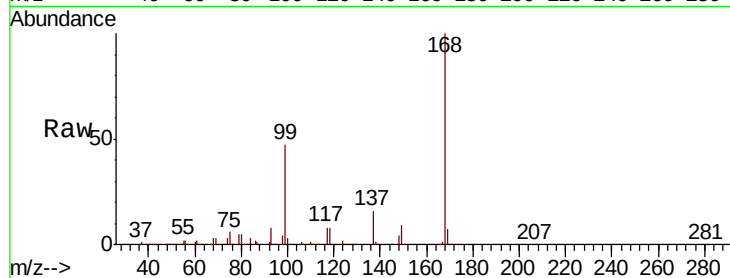
A0C1-02BRE

Tgt Ion:168 Resp: 296294

Ion Ratio Lower Upper

168 100

99 47.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

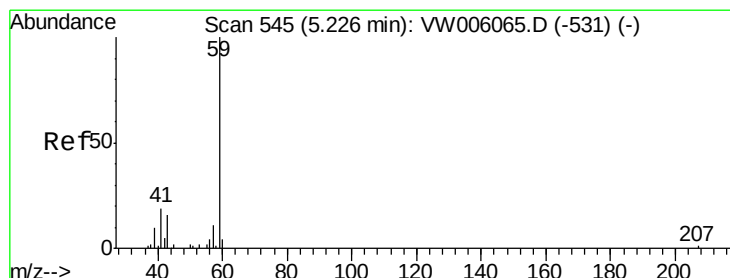
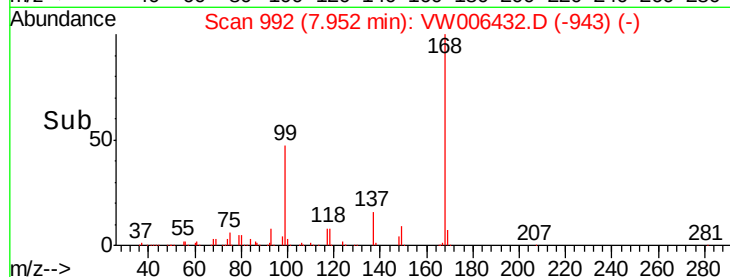
100000

50000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 5.254 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006432.D

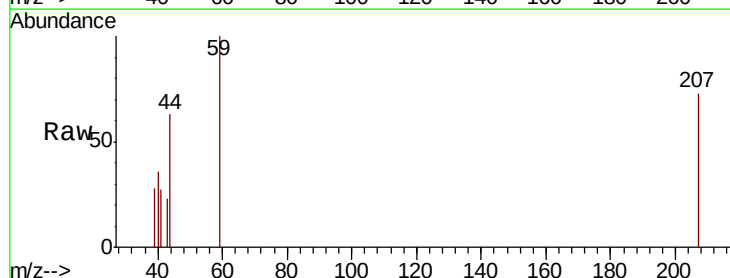
Acq: 27 Oct 2018 05:16

Tgt Ion: 59 Resp: 868

Ion Ratio Lower Upper

59 100

57 2.4 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

300

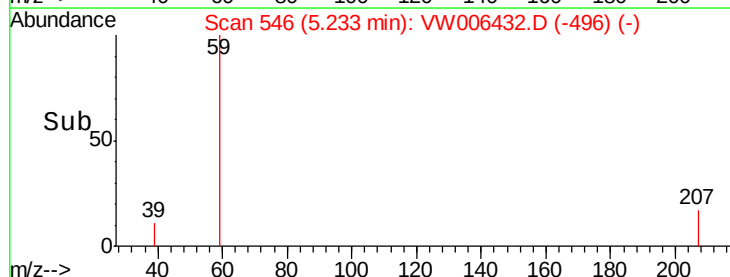
200

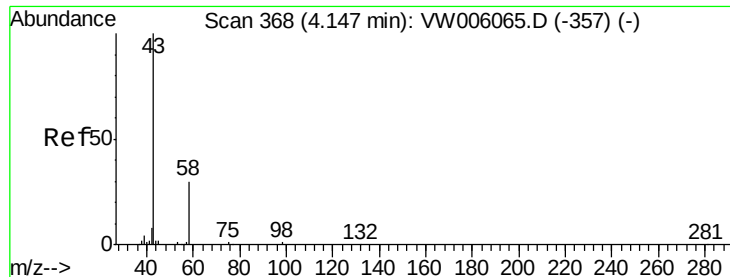
100

0

5.20 5.25 5.30 5.35

Time-->





#16

Acetone

Concen: 12.208 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

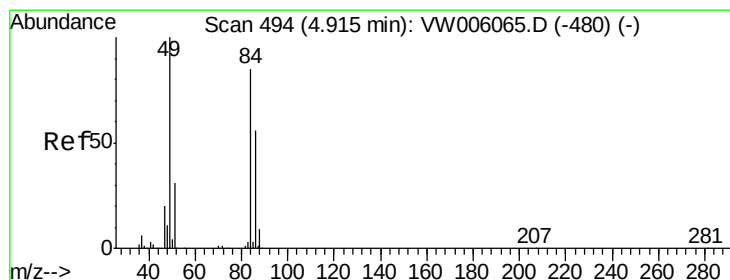
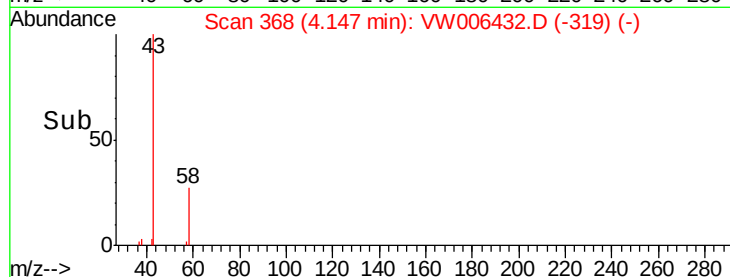
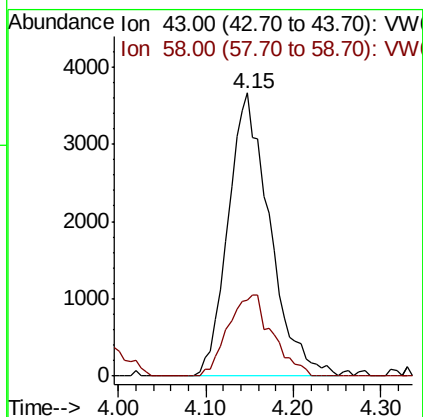
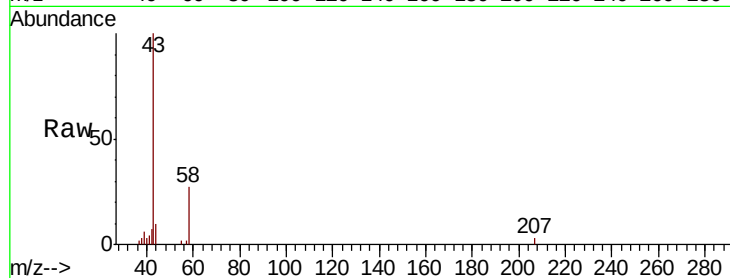
A0C1-02BRE

Tgt Ion: 43 Resp: 12115

Ion Ratio Lower Upper

43 100

58 27.0 24.0 36.0



#20

Methylene Chloride

Concen: 2.045 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Tgt Ion: 84 Resp: 9372

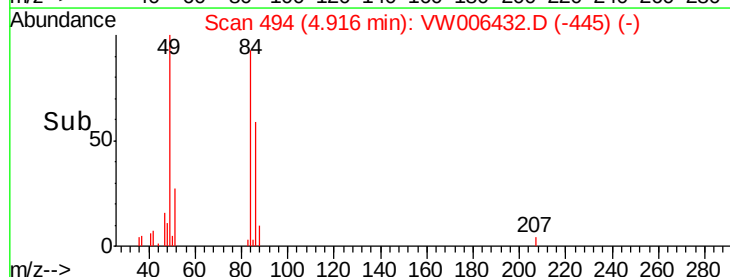
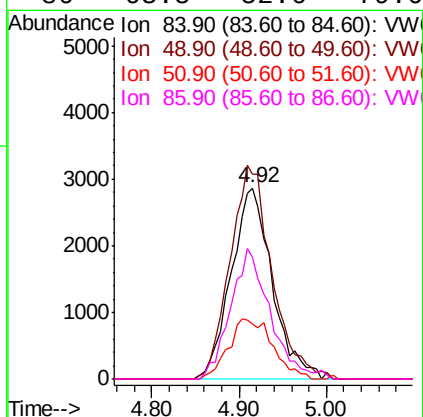
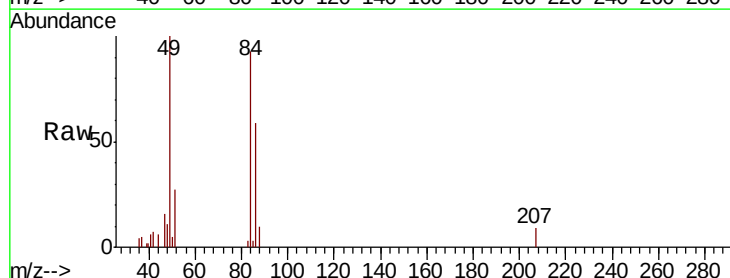
Ion Ratio Lower Upper

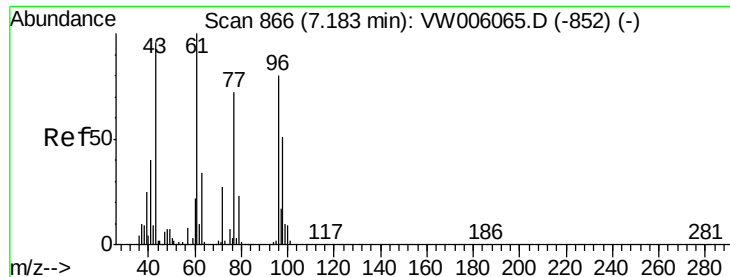
84 100

49 107.4 93.6 140.4

51 28.9 29.0 43.4#

86 63.5 52.6 79.0





#25

2-Butanone

Concen: 4.762 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

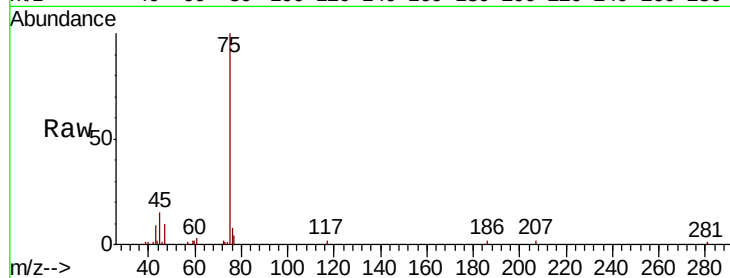
A0C1-02BRE

Tgt Ion: 43 Resp: 3160

Ion Ratio Lower Upper

43 100

72 23.3 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

800

600

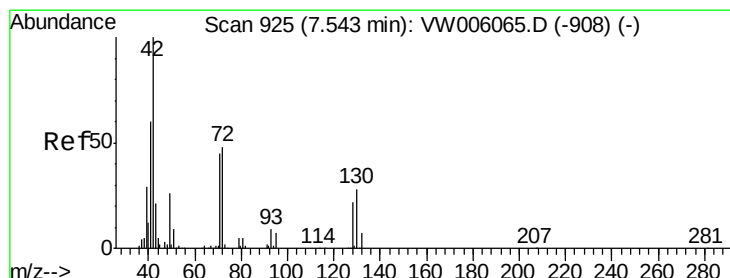
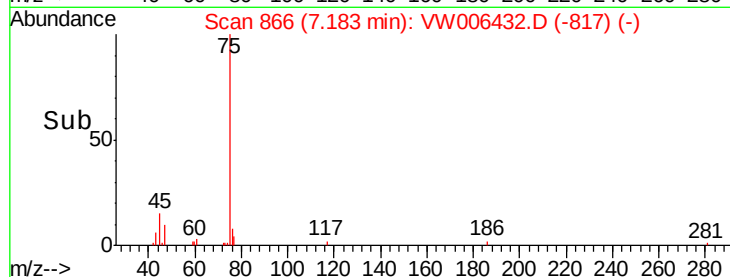
400

200

0

7.05 7.10 7.15 7.20 7.25

Time-->



#29

Tetrahydrofuran

Concen: 1.044 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

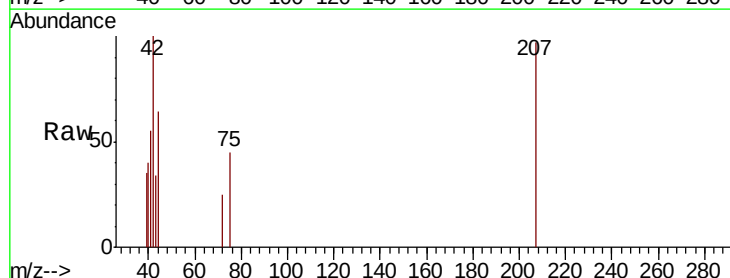
Tgt Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 0.0 38.0 57.0#

71 11.3 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

300

250

200

150

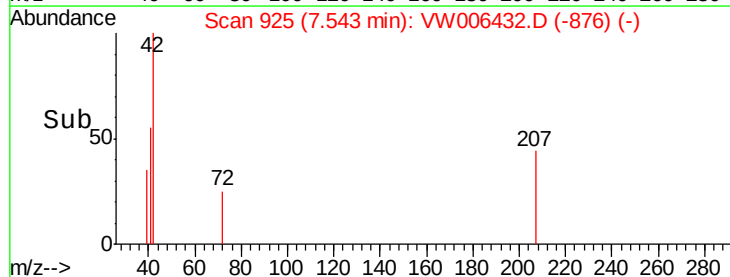
100

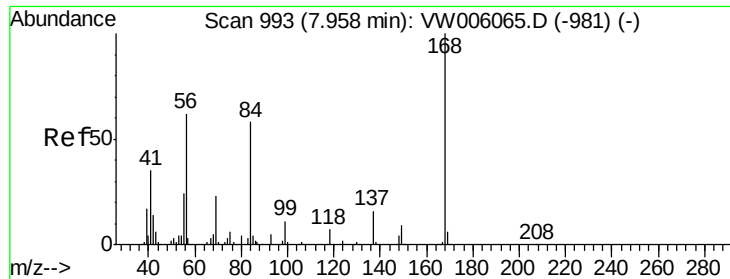
50

0

7.50 7.55 7.60

Time-->

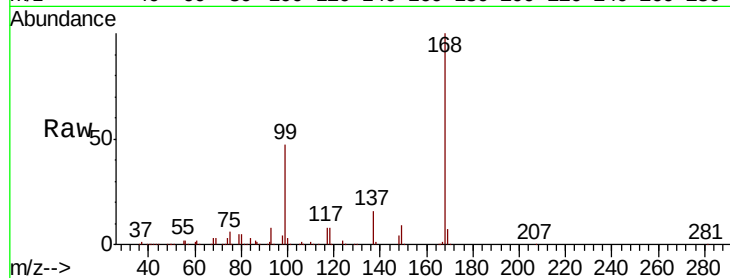




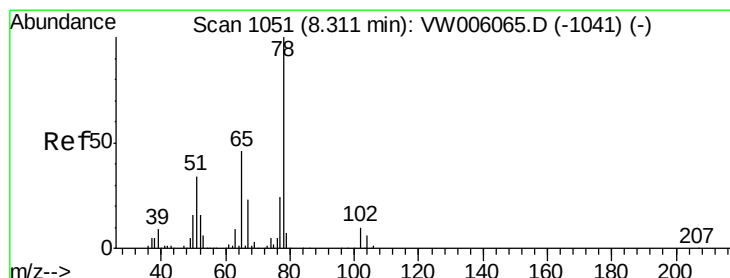
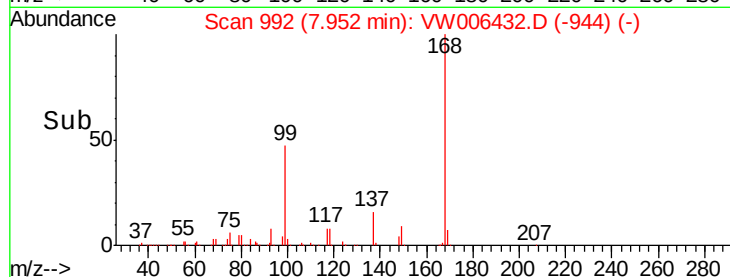
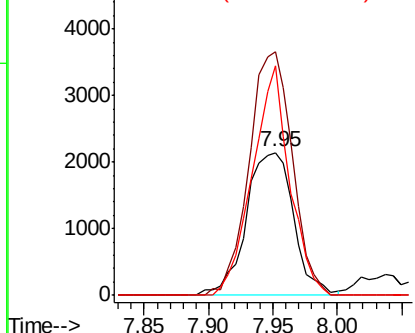
#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006432.D
Acq: 27 Oct 2018 05:16

Instrument :
MSVOA_W
ClientSampleId :
A0C1-02BRE

Tgt Ion: 56 Resp: 5461
Ion Ratio Lower Upper
56 100
69 170.4 29.4 44.0#
84 160.3 74.0 111.0#

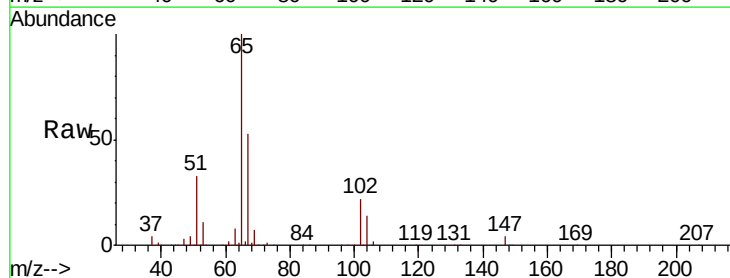


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

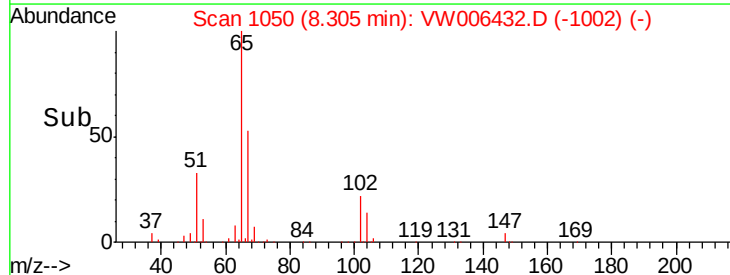
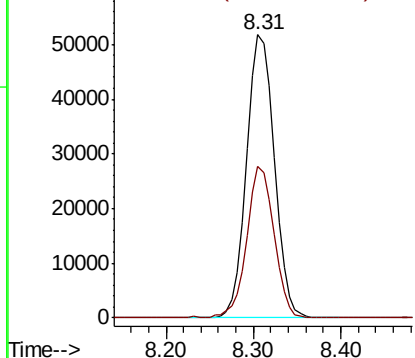


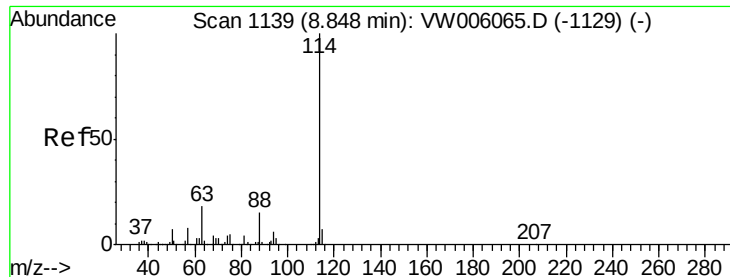
#33
1,2-Dichloroethane-d4
Concen: 46.592 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006432.D
Acq: 27 Oct 2018 05:16

Tgt Ion: 65 Resp: 114450
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.0



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. -0.01 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

A0C1-02BRE

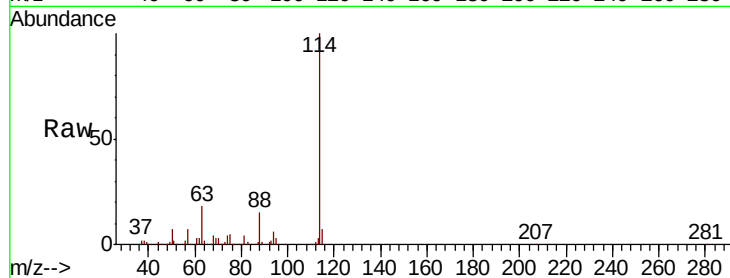
Tgt Ion:114 Resp: 439339

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

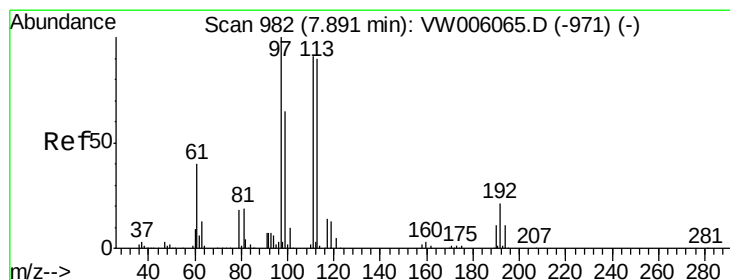
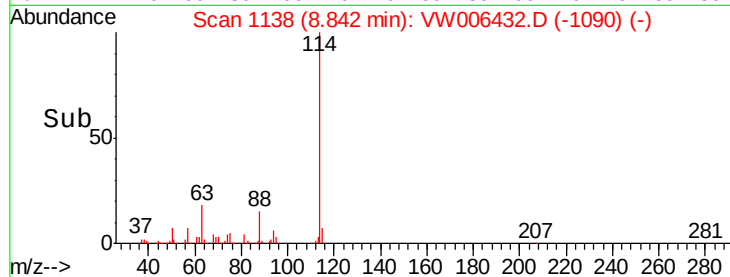
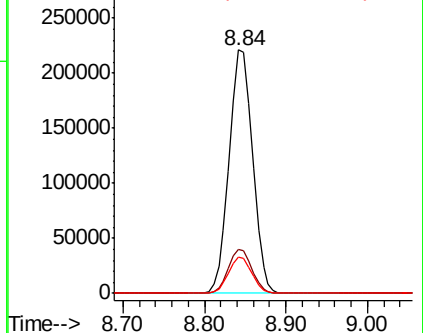
88 14.7 0.0 29.0



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: 44.344 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

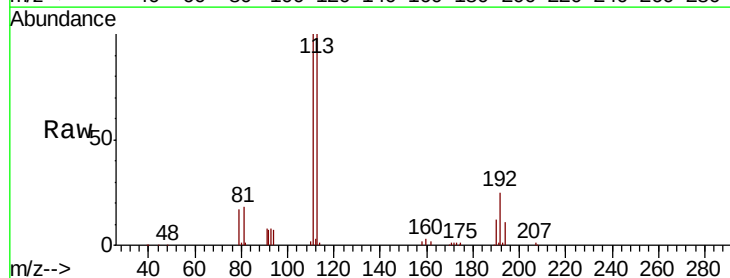
Tgt Ion:113 Resp: 115119

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

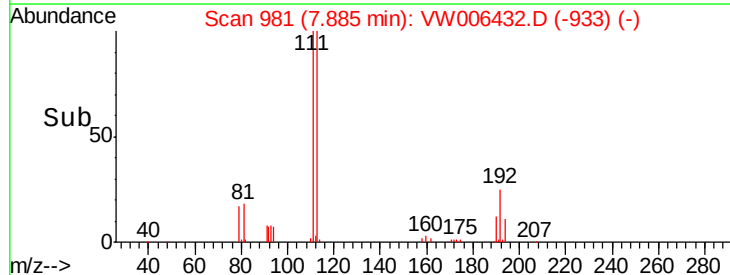
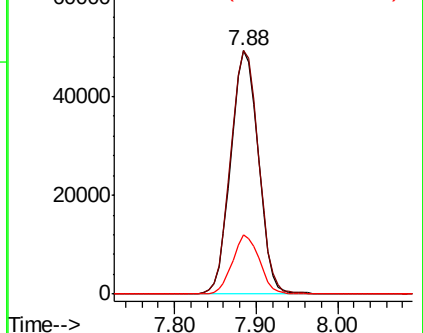
192 23.7 18.7 28.1

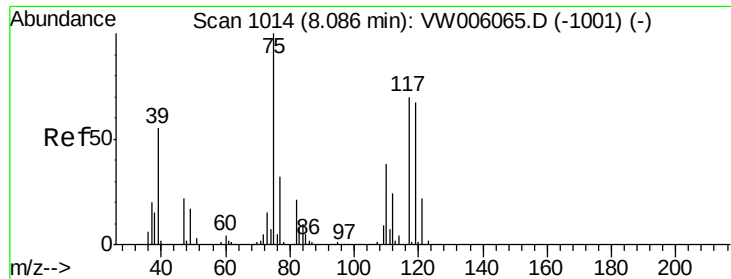


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

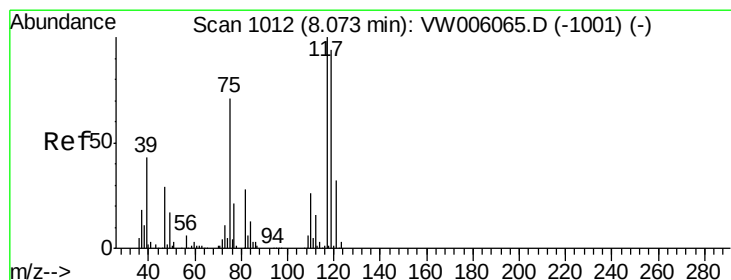
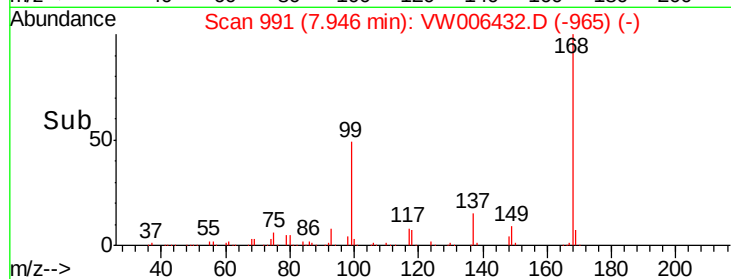
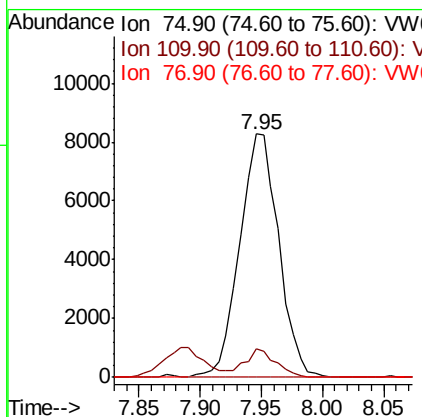
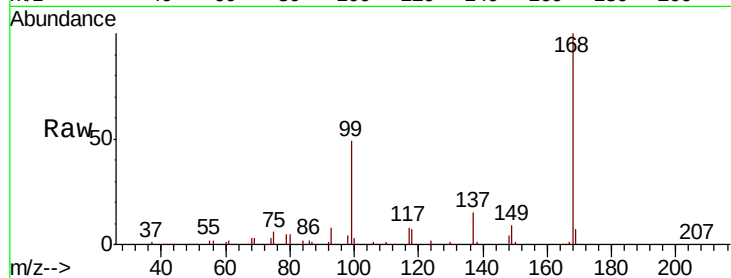




#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006432.D
 Acq: 27 Oct 2018 05:16

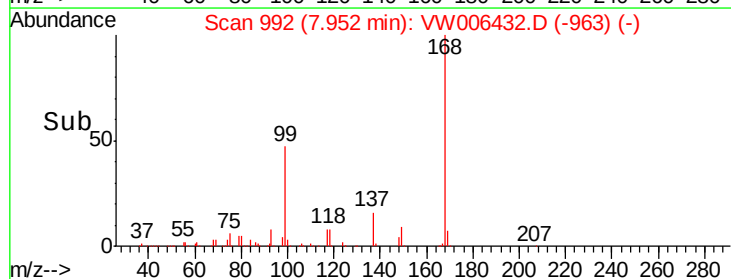
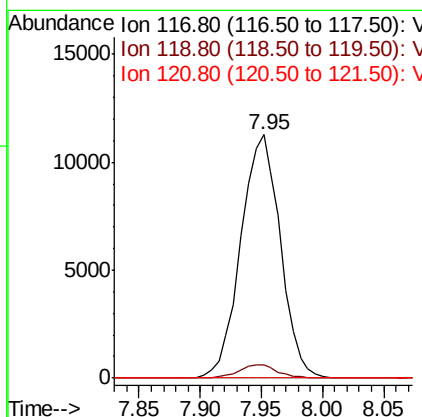
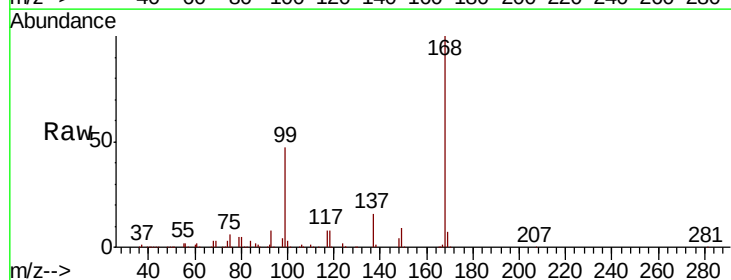
Instrument :
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 A0C1-02BRE

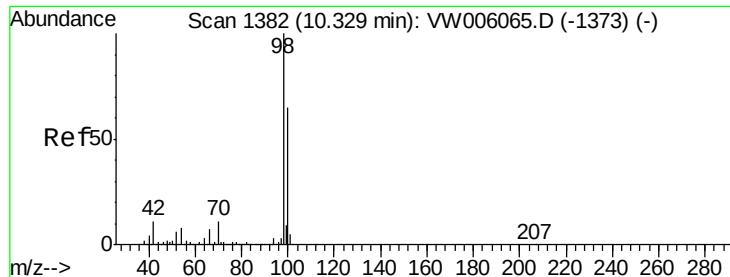
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.692 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006432.D
 Acq: 27 Oct 2018 05:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.2	112.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 45.097 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

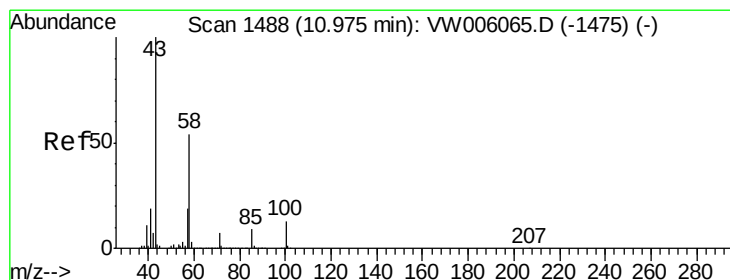
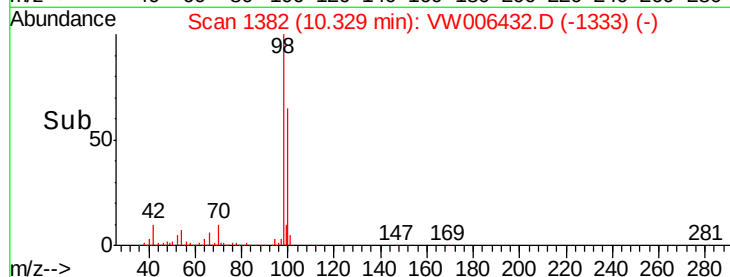
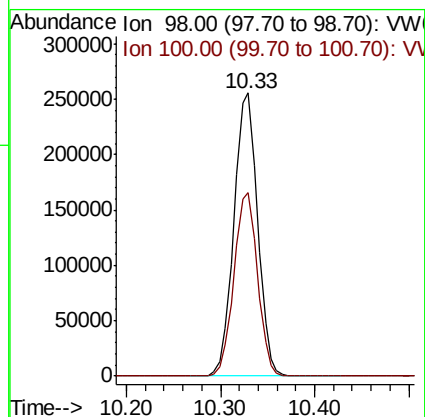
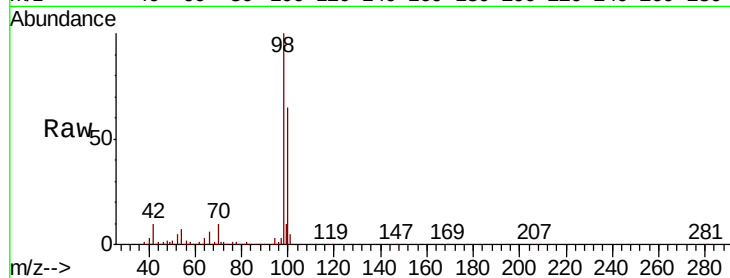
A0C1-02BRE

Tgt Ion: 98 Resp: 445402

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#59

2-Hexanone

Concen: 1.863 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.04 min

Lab File: VW006432.D

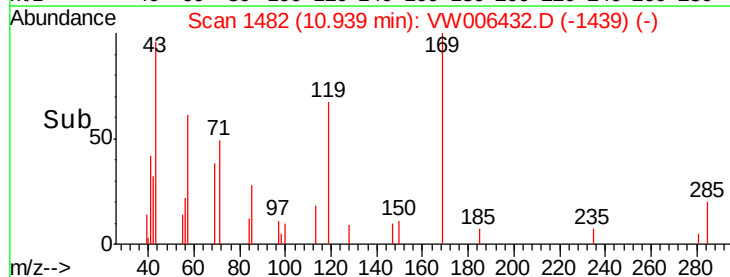
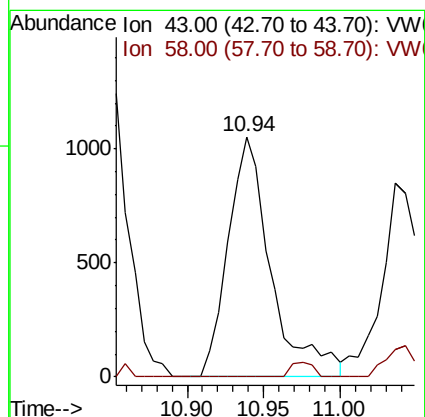
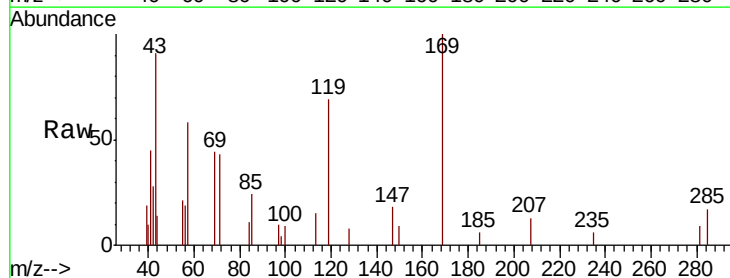
Acq: 27 Oct 2018 05:16

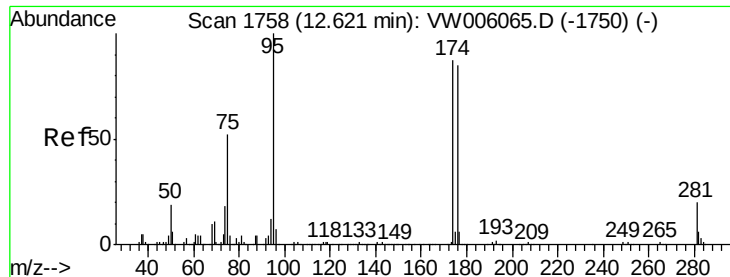
Tgt Ion: 43 Resp: 2050

Ion Ratio Lower Upper

43 100

58 0.0 26.9 80.6#





#62

4-Bromofluorobenzene

Concen: 43.310 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

A0C1-02BRE

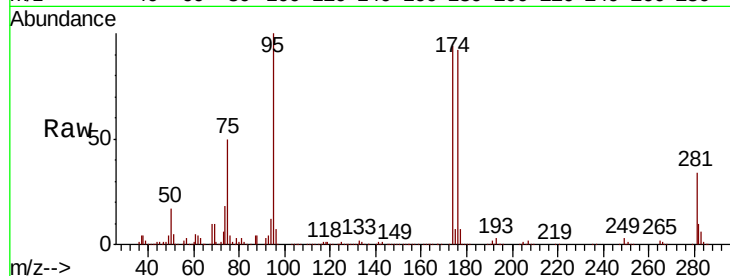
Tgt Ion: 95 Resp: 160661

Ion Ratio Lower Upper

95 100

174 95.4 0.0 186.0

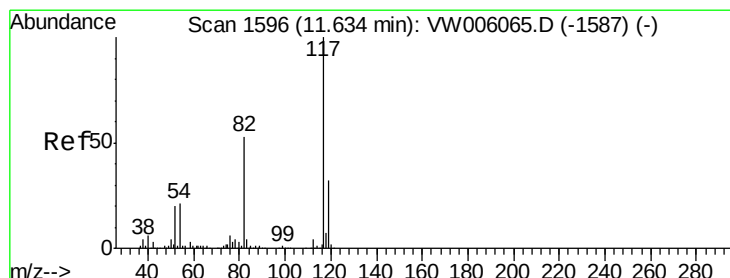
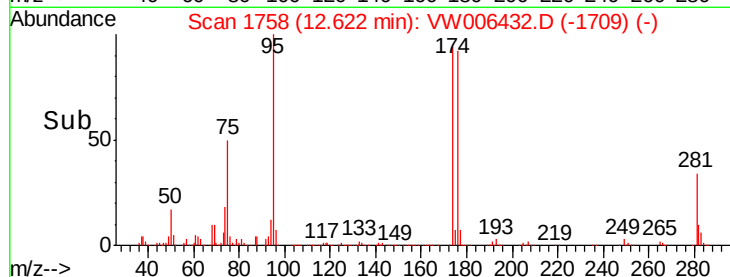
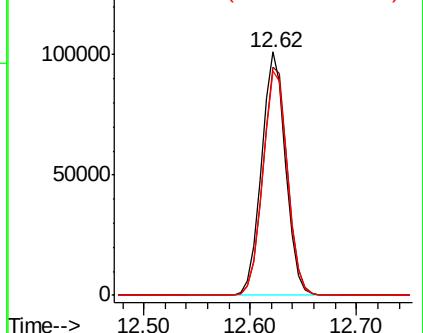
176 93.6 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

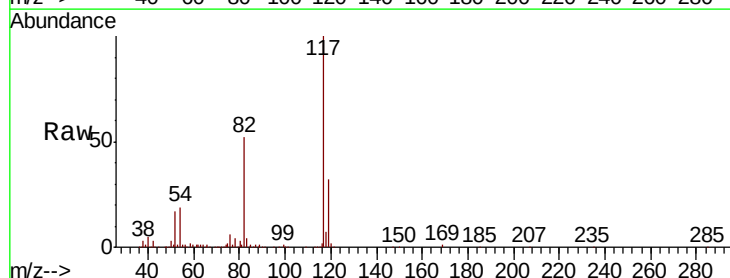
Tgt Ion: 117 Resp: 401733

Ion Ratio Lower Upper

117 100

82 51.7 42.1 63.1

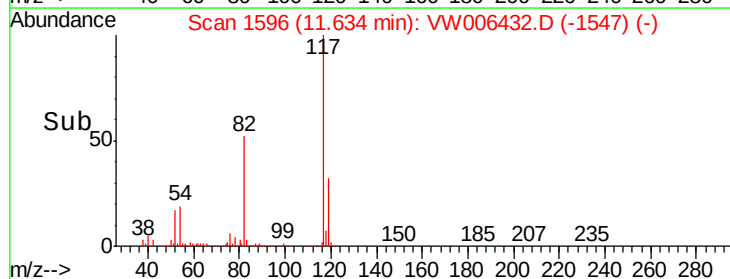
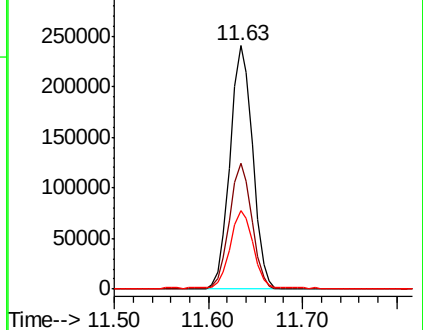
119 32.0 25.8 38.6

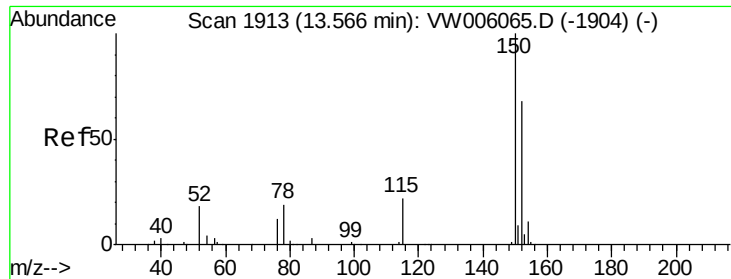


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

A0C1-02BRE

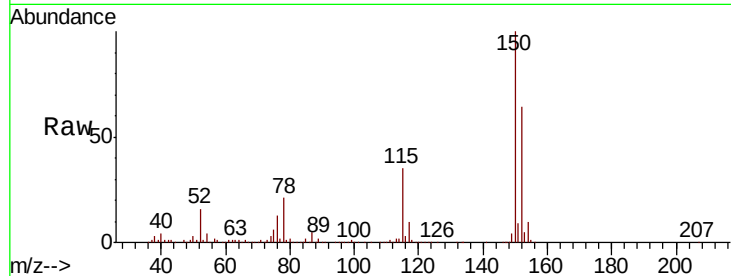
Tgt Ion: 152 Resp: 214328

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

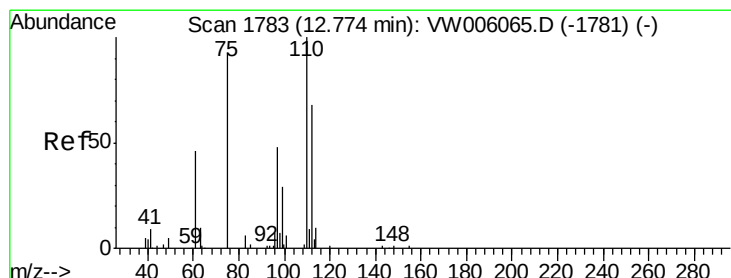
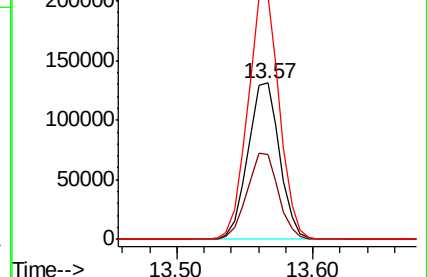
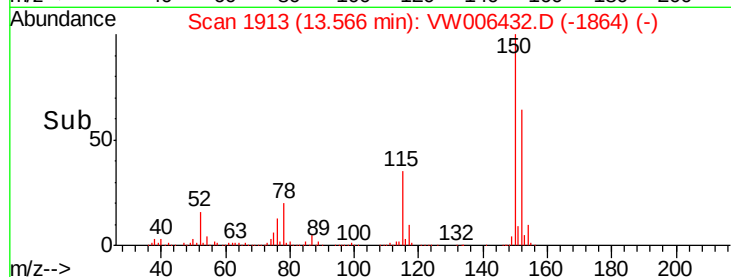
150 155.8 0.0 349.2



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: 48.889 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006432.D

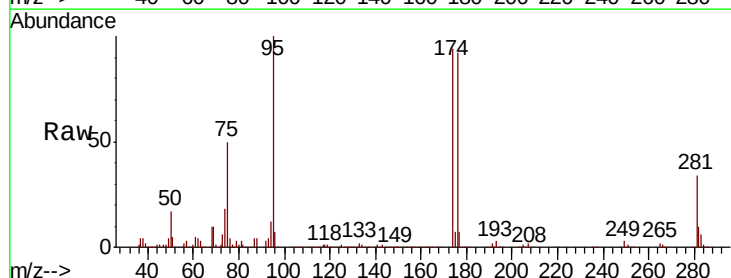
Acq: 27 Oct 2018 05:16

Tgt Ion: 75 Resp: 80033

Ion Ratio Lower Upper

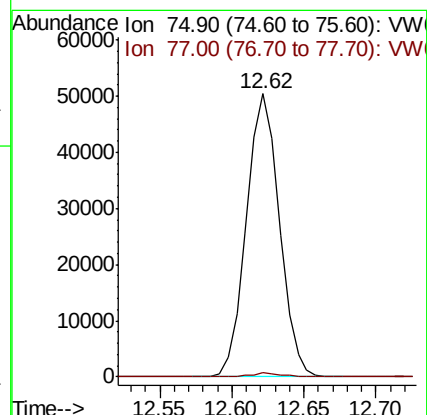
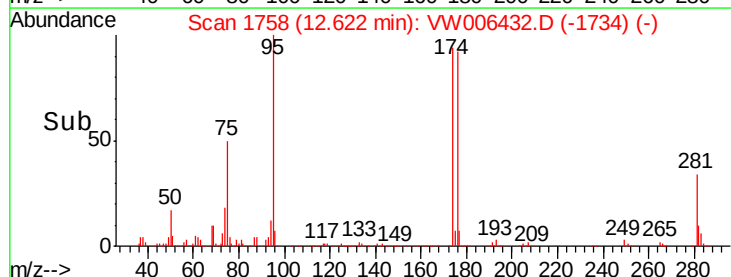
75 100

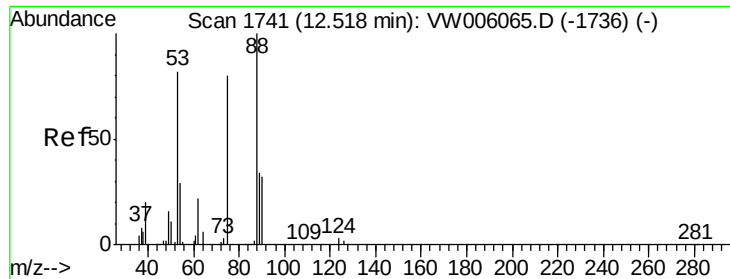
77 1.4 0.0 0.0#



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: 116.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006432.D

Acq: 27 Oct 2018 05:16

Instrument :

MSVOA_W

ClientSampleId :

A0C1-02BRE

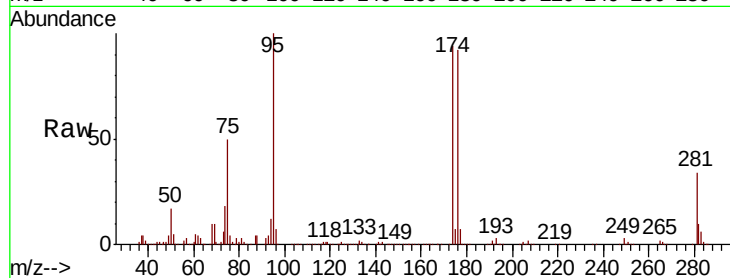
Tgt Ion: 75 Resp: 80033

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.3 37.5 56.3#



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

