

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006505.D
 Acq On : 30 Oct 2018 16:43
 Operator : SY/AP
 Sample : J5624-09RE
 Misc : 5.31G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01ARE

Quant Time: Oct 30 17:14:28 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	201840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	232349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	82641	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	102212	61.08	ug/l	0.00
Spiked Amount			Recovery	=	122.16%	
35) Dibromofluoromethane	7.89	113	101155	58.47	ug/l	0.00
Spiked Amount			Recovery	=	116.94%	
50) Toluene-d8	10.33	98	338582	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.62	95	95593	38.67	ug/l	0.00
Spiked Amount			Recovery	=	77.34%	

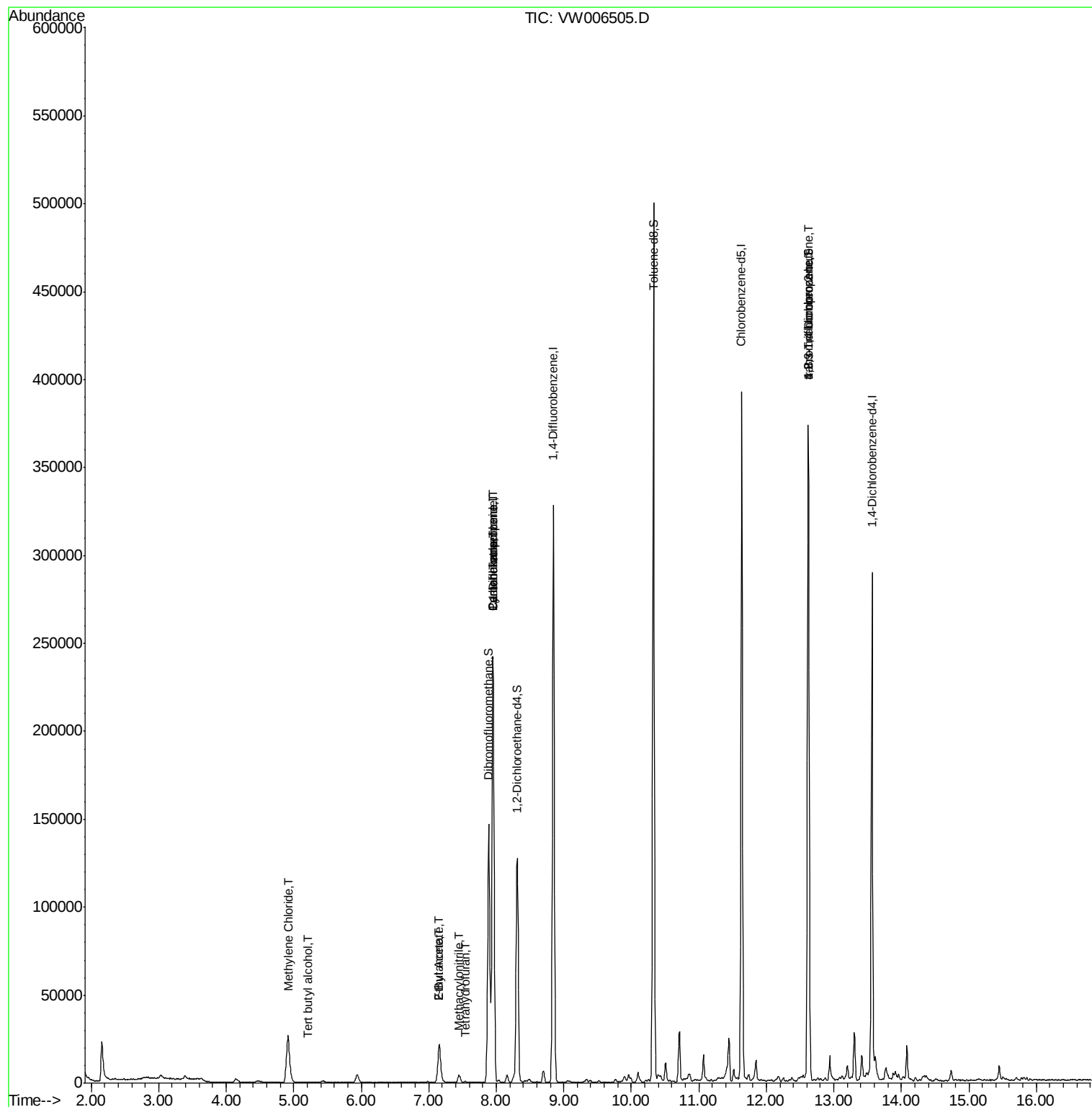
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	310	2.75	ug/l #	71
16) Acetone	4.14	43	3964	Below	Cal	96
20) Methylene Chloride	4.92	84	22145	11.25	ug/l	93
25) 2-Butanone	7.15	43	1555	3.44	ug/l #	46
29) Tetrahydrofuran	7.54	42	412	1.48	ug/l #	64
31) Cyclohexane	7.95	56	4115	1.34	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	12816	4.75	ug/l #	48
37) Ethyl Acetate	7.15	43	1555	1.55	ug/l #	66
38) Carbon Tetrachloride	7.95	117	17386	5.88	ug/l #	16
41) Methacrylonitrile	7.45	41	2210	3.66	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	48316	76.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48316	182.97	ug/l #	10

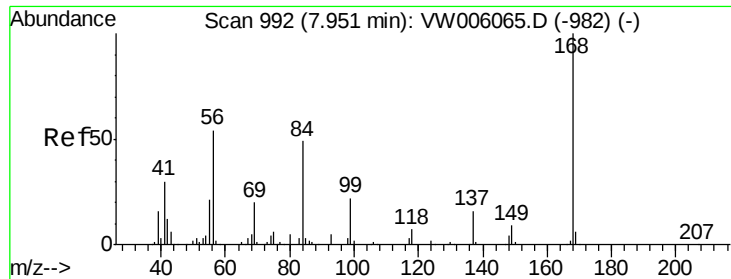
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

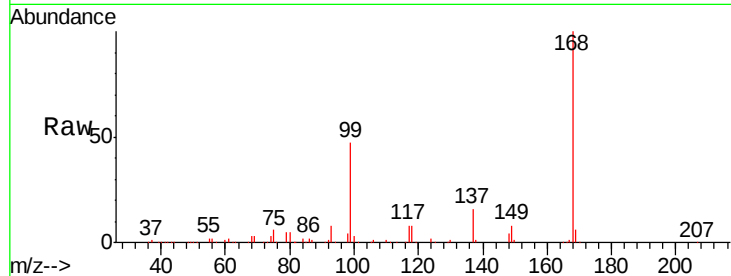
PA-SB-01ARE

Tgt Ion: 168 Resp: 201840

Ion Ratio Lower Upper

168 100

99 47.5 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

100000

80000

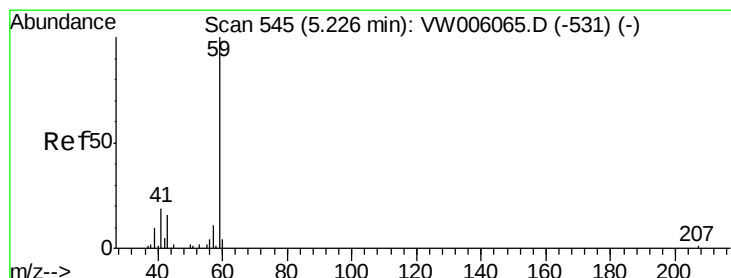
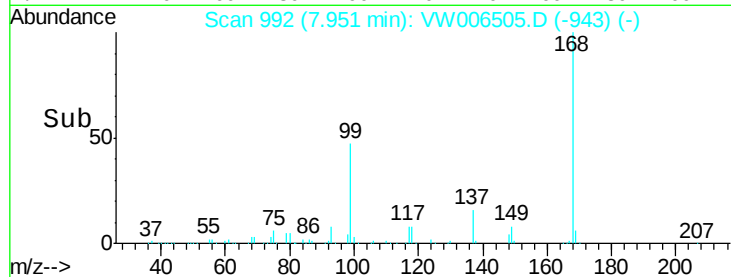
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.75 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006505.D

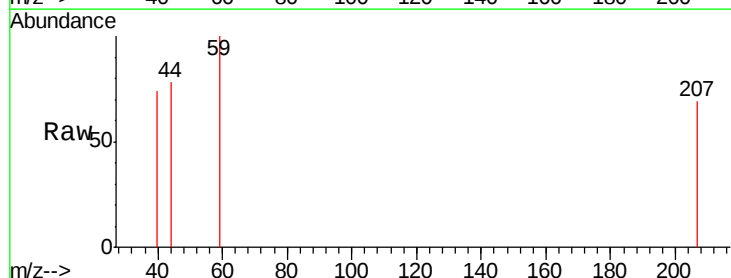
Acq: 30 Oct 2018 16:43

Tgt Ion: 59 Resp: 310

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

200

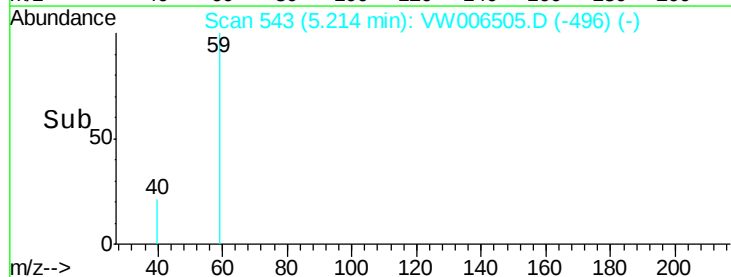
150

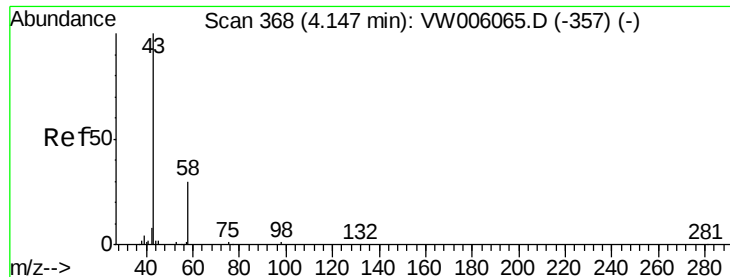
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampled :

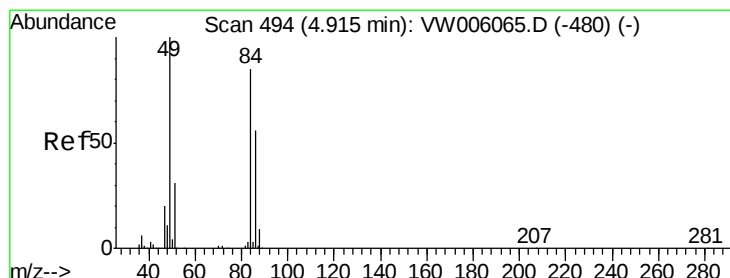
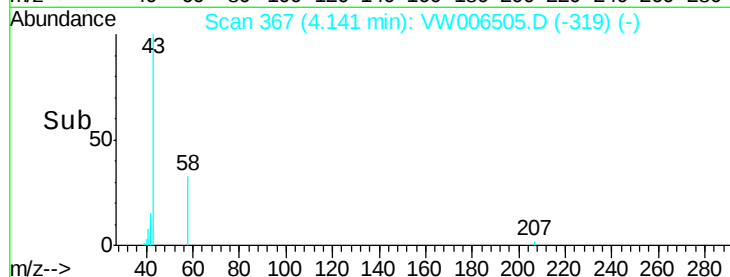
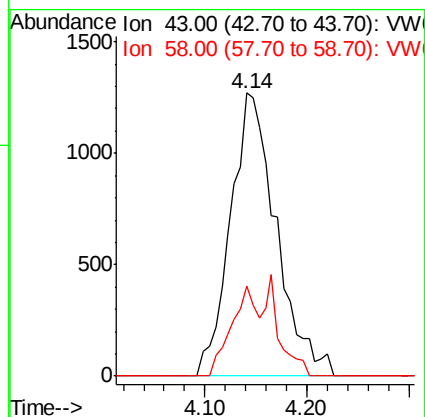
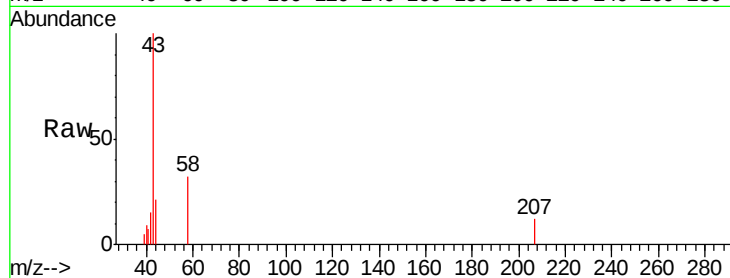
PA-SB-01ARE

Tgt Ion: 43 Resp: 3964

Ion Ratio Lower Upper

43 100

58 32.0 24.0 36.0



#20

Methylene Chloride

Concen: 11.25 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Tgt Ion: 84 Resp: 22145

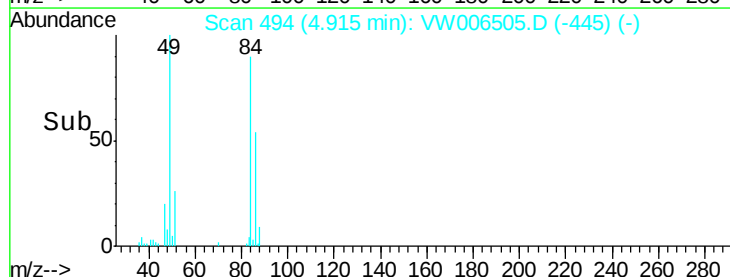
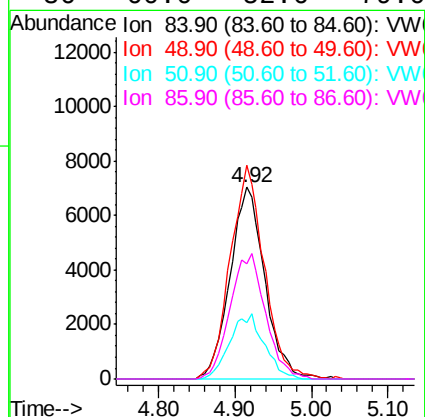
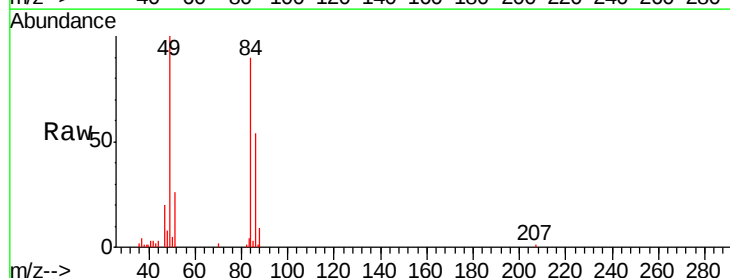
Ion Ratio Lower Upper

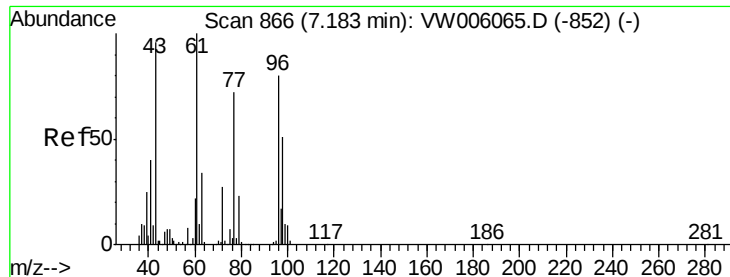
84 100

49 111.5 93.6 140.4

51 29.4 29.0 43.4

86 60.0 52.6 79.0





#25

2-Butanone

Concen: 3.44 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.03 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

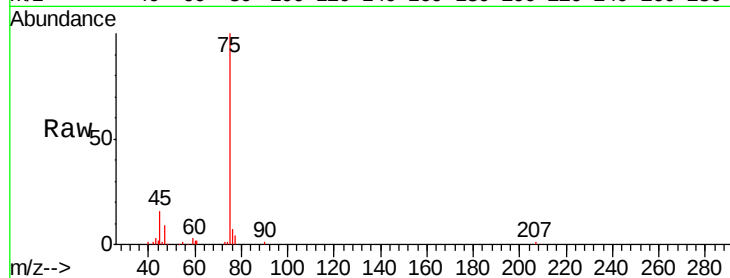
PA-SB-01ARE

Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

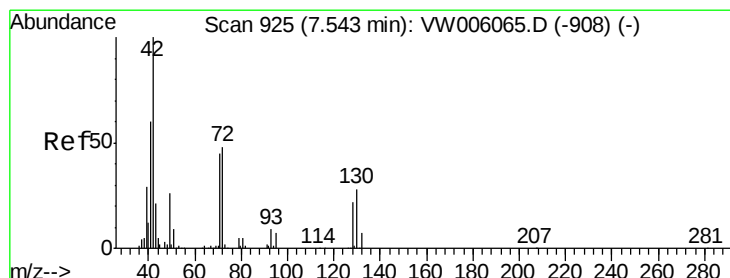
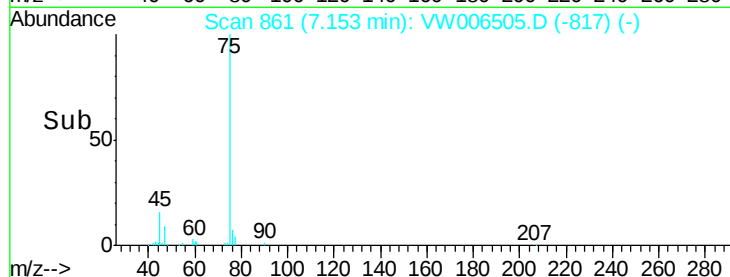
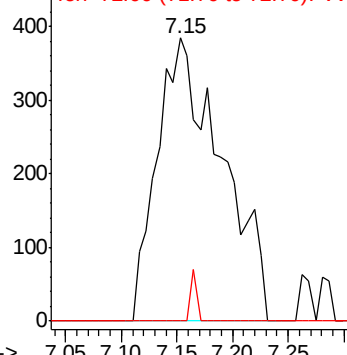
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.48 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

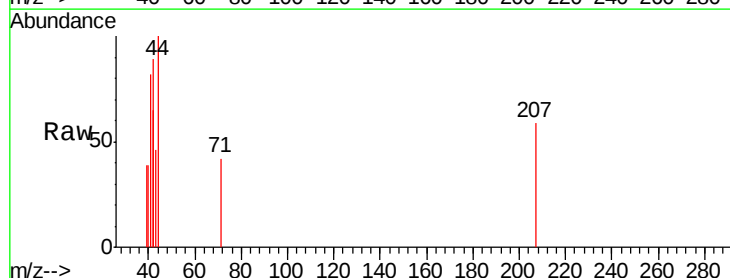
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

72 25.7 38.0 57.0#

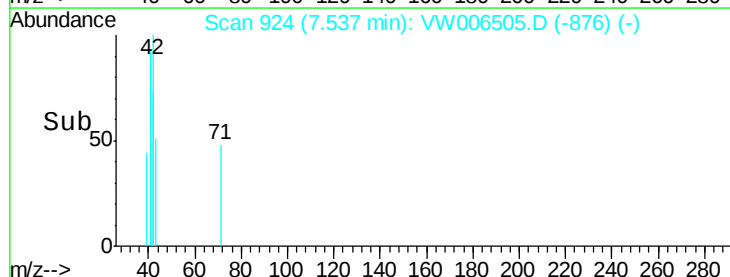
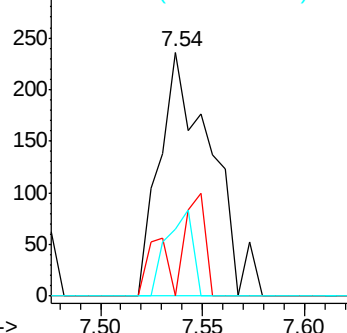
71 17.7 35.3 52.9#

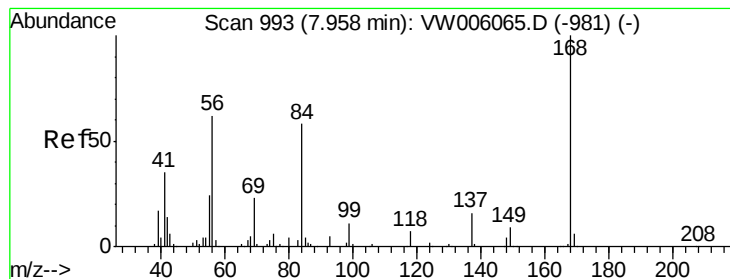


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.34 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01ARE

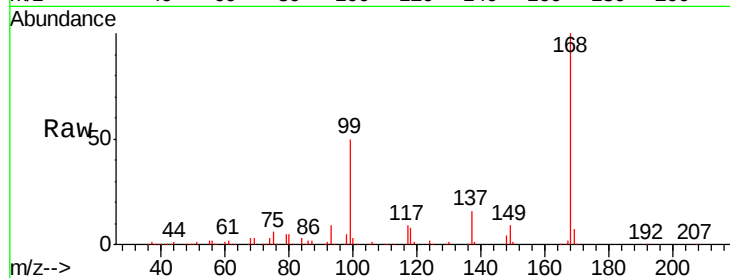
Tgt Ion: 56 Resp: 4115

Ion Ratio Lower Upper

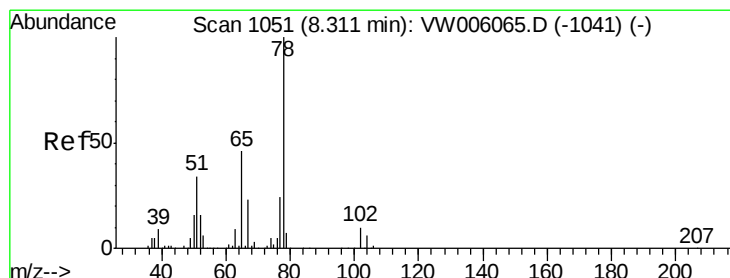
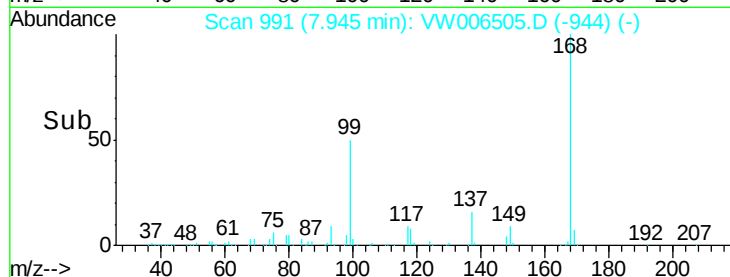
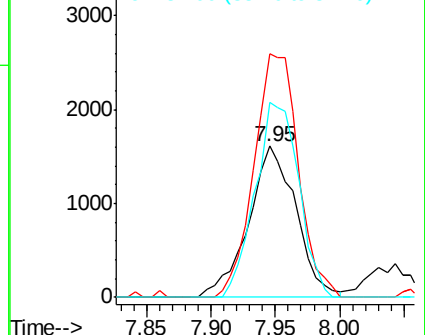
56 100

69 161.1 29.4 44.0#

84 128.7 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: 61.08 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006505.D

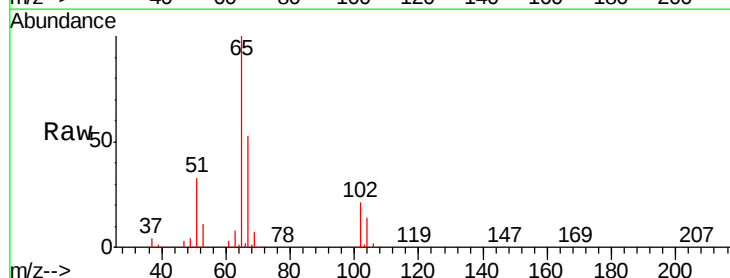
Acq: 30 Oct 2018 16:43

Tgt Ion: 65 Resp: 102212

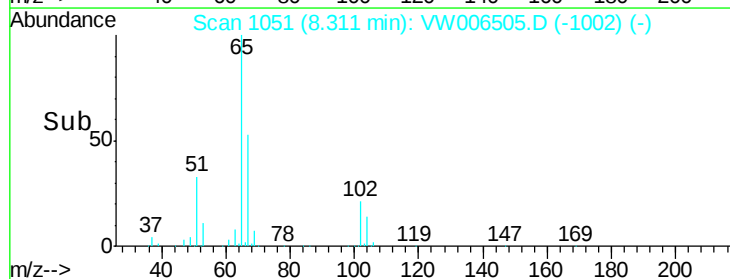
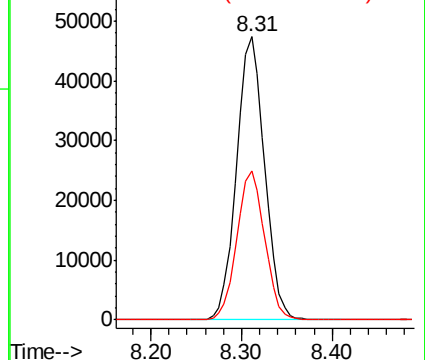
Ion Ratio Lower Upper

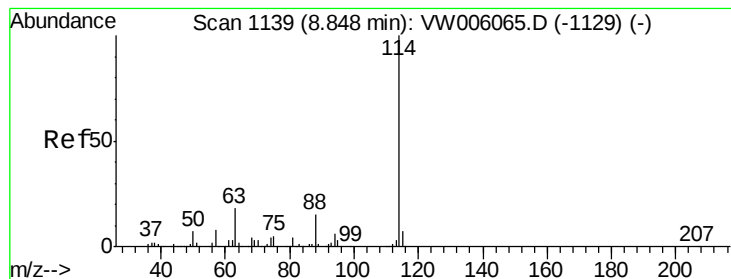
65 100

67 52.2 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: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01ARE

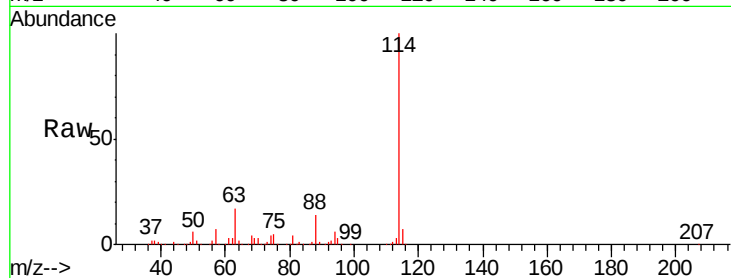
Tgt Ion:114 Resp: 292765

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.8

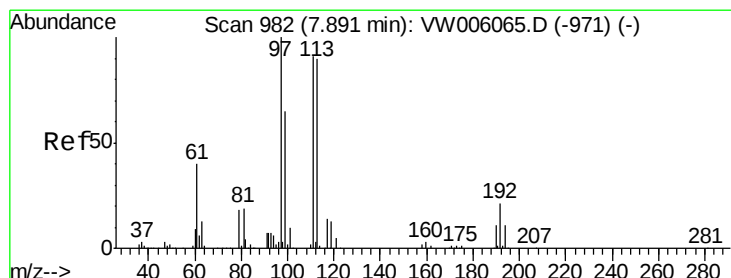
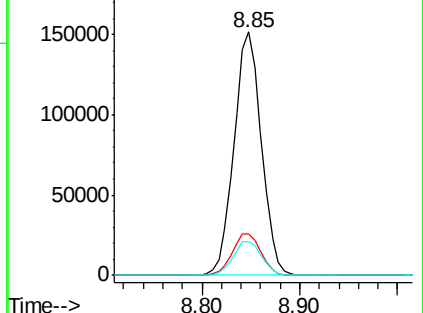
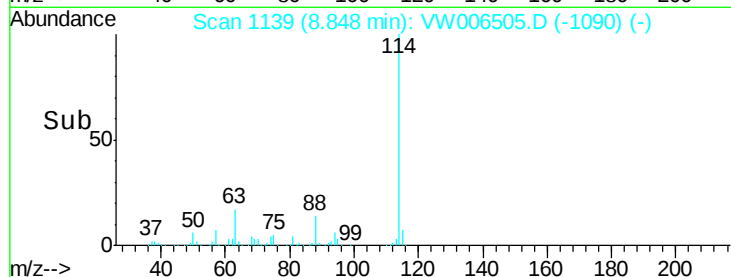
88 13.9 0.0 29.0



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: 58.47 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

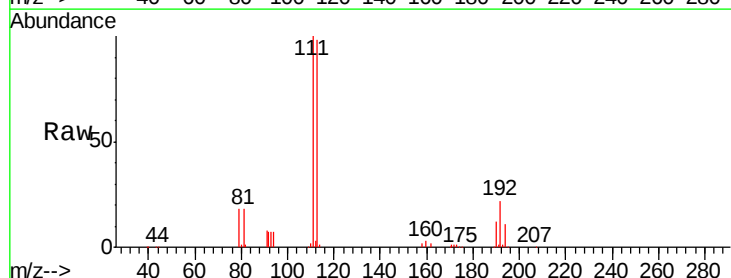
Tgt Ion:113 Resp: 101155

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

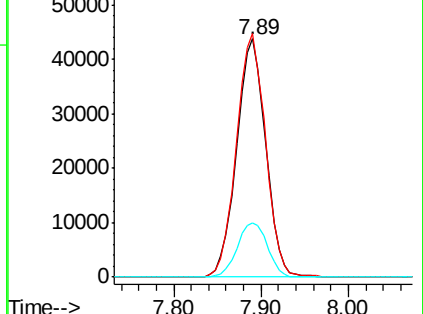
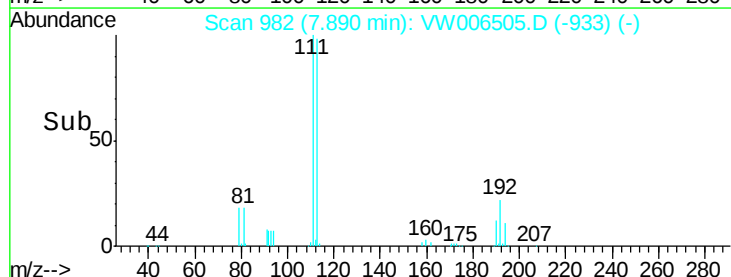
192 23.7 18.7 28.1

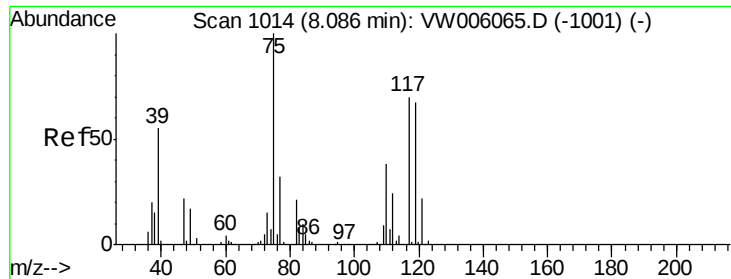


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

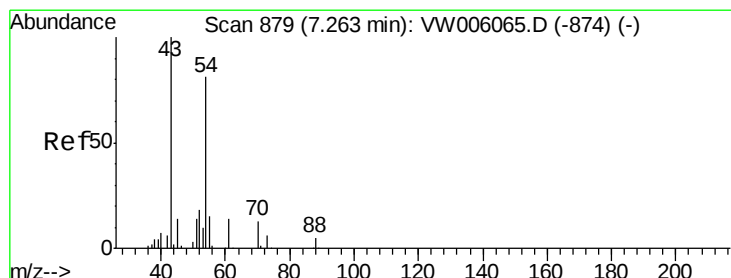
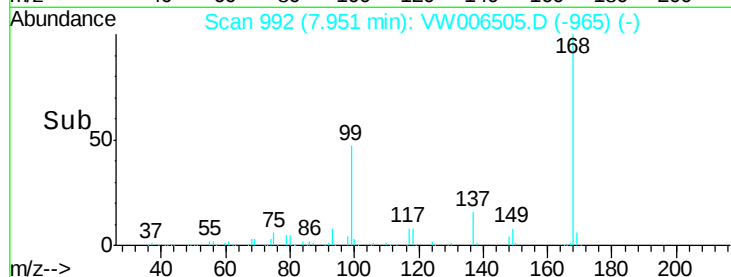
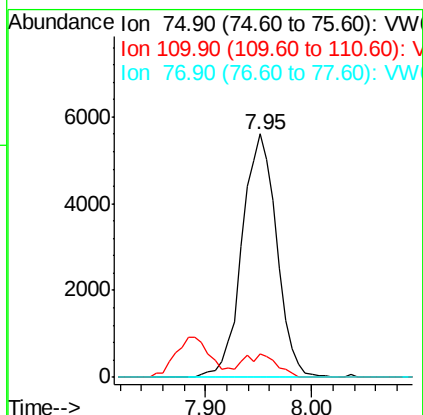
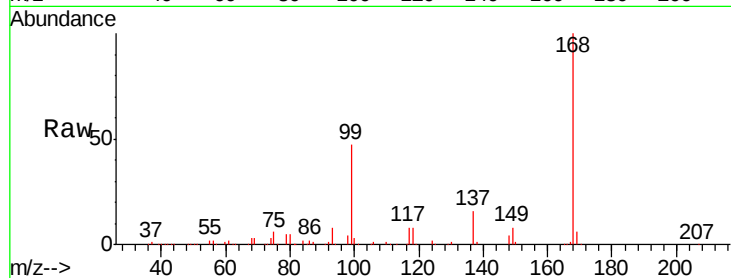




#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006505.D
 Acq: 30 Oct 2018 16:43

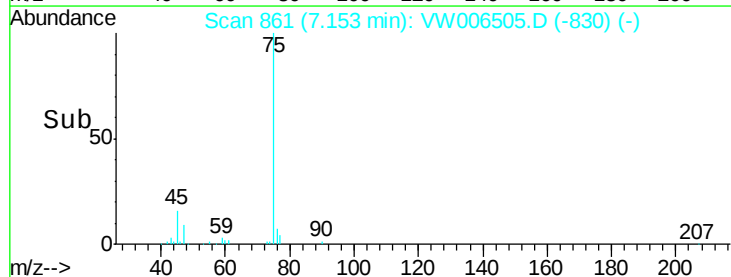
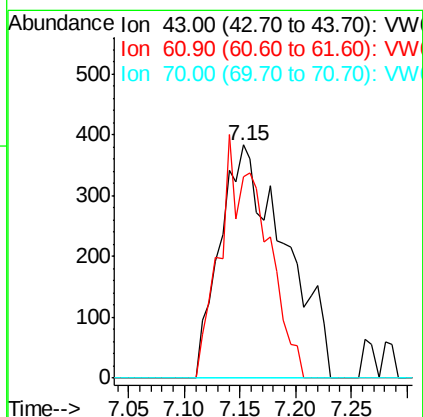
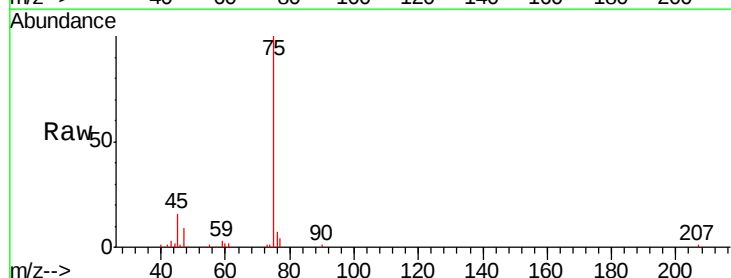
Instrument :
 MSVOA_W
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 PA-SB-01ARE

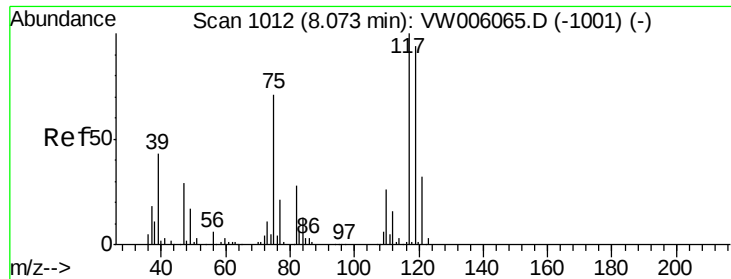
Tgt Ion: 75 Resp: 12816
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.55 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.11 min
 Lab File: VW006505.D
 Acq: 30 Oct 2018 16:43

Tgt Ion: 43 Resp: 1555
 Ion Ratio Lower Upper
 43 100
 61 29.6 11.5 17.3#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.88 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01ARE

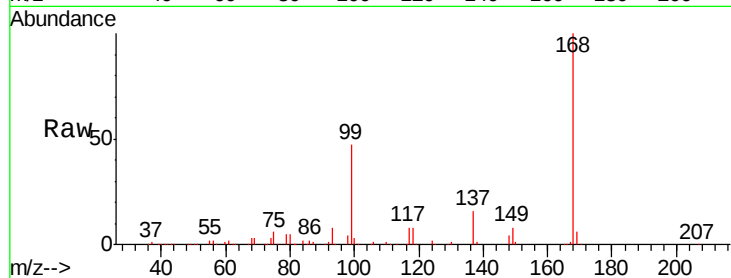
Tgt Ion:117 Resp: 17386

Ion Ratio Lower Upper

117 100

119 4.4 75.2 112.8#

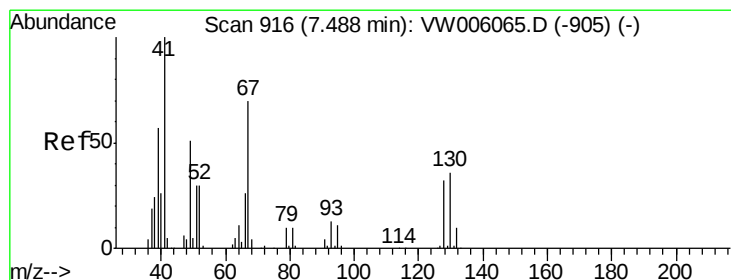
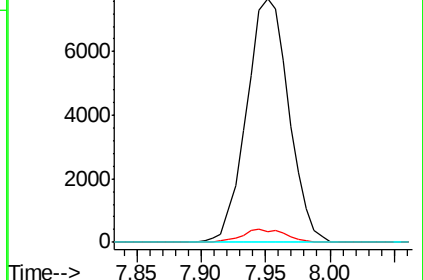
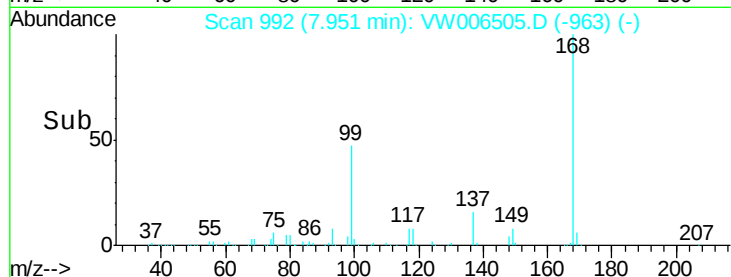
121 0.0 25.3 37.9#



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



#41

Methacrylonitrile

Concen: 3.66 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Tgt Ion: 41 Resp: 2210

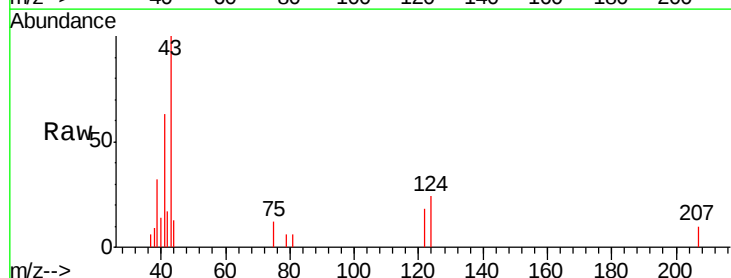
Ion Ratio Lower Upper

41 100

39 49.8 46.2 69.4

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#

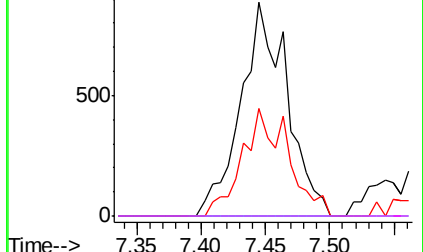
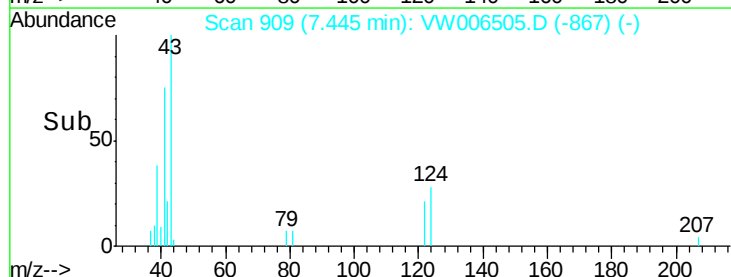


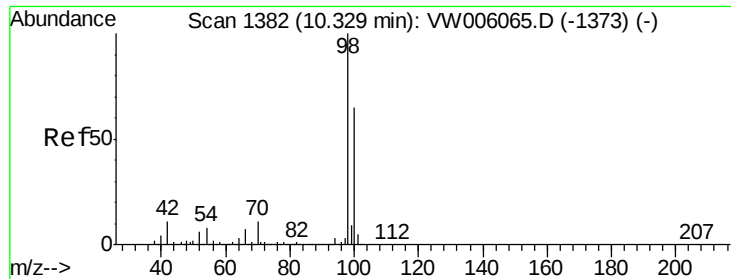
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 51.44 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

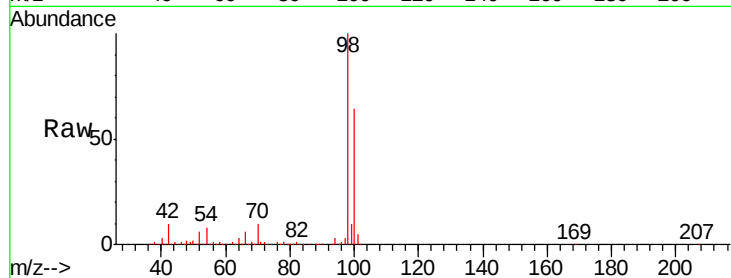
PA-SB-01ARE

Tgt Ion: 98 Resp: 338582

Ion Ratio Lower Upper

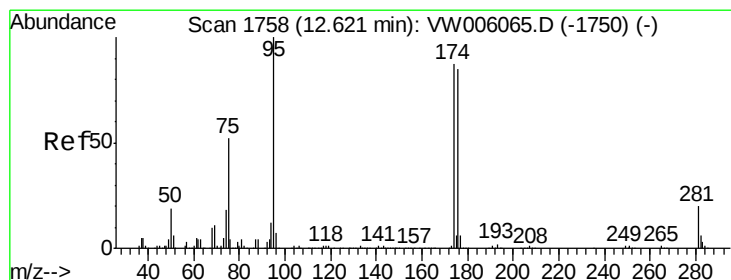
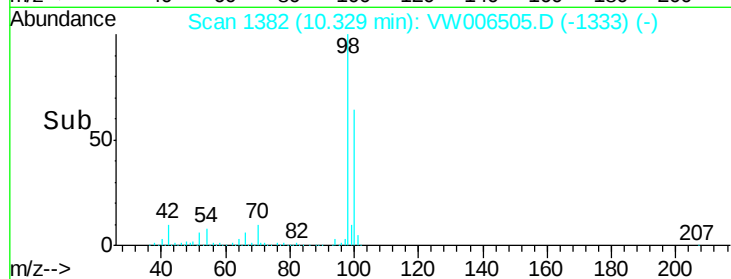
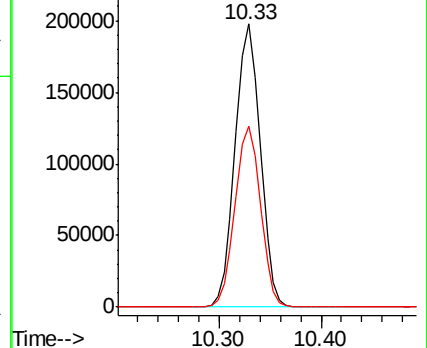
98 100

100 64.4 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: 38.67 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

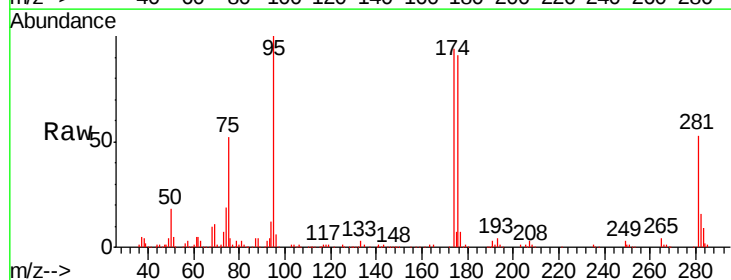
Tgt Ion: 95 Resp: 95593

Ion Ratio Lower Upper

95 100

174 98.3 0.0 186.0

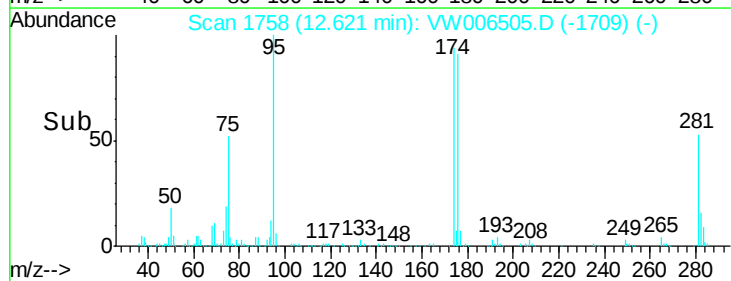
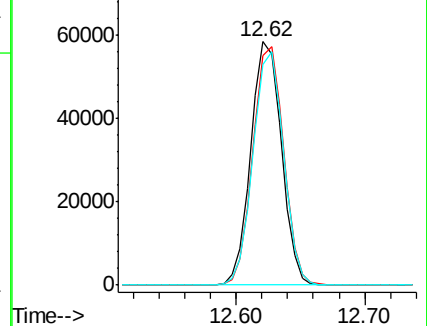
176 95.5 0.0 181.6

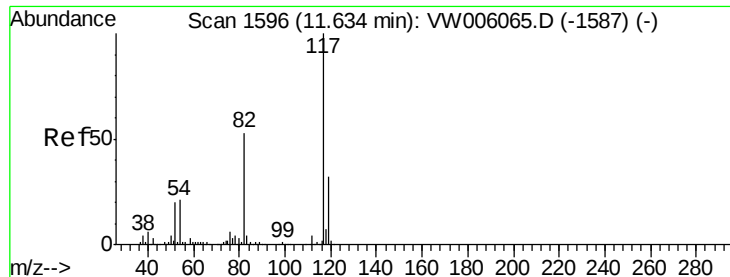


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

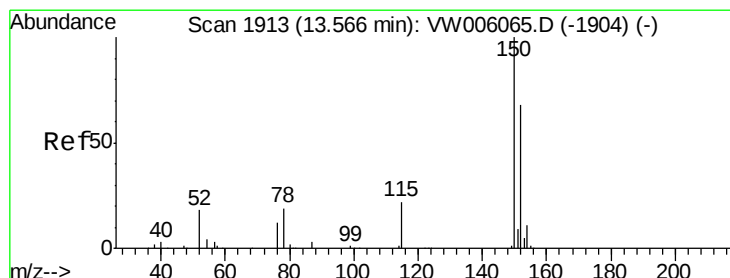
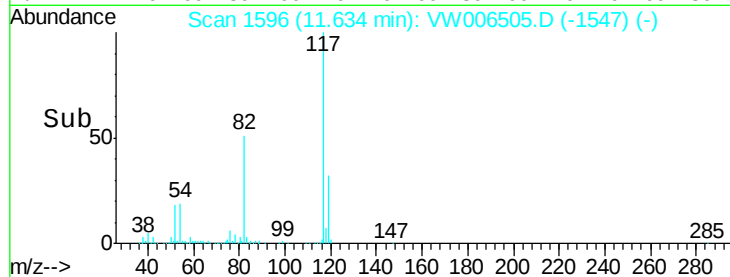
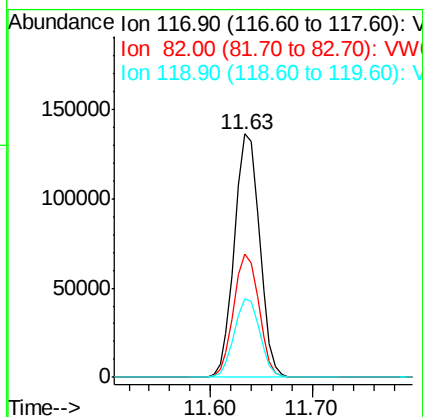
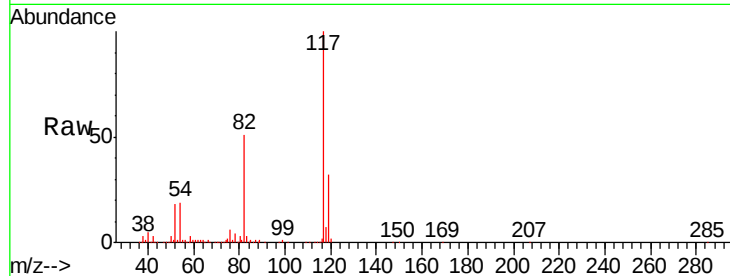




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006505.D
Acq: 30 Oct 2018 16:43

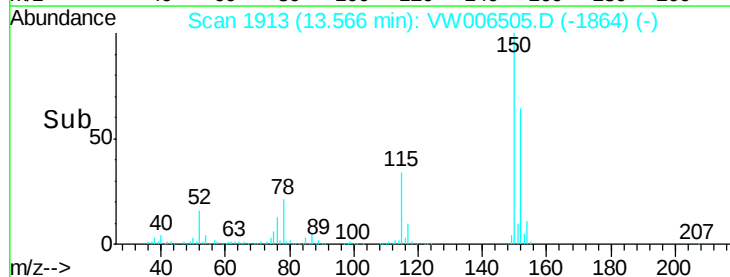
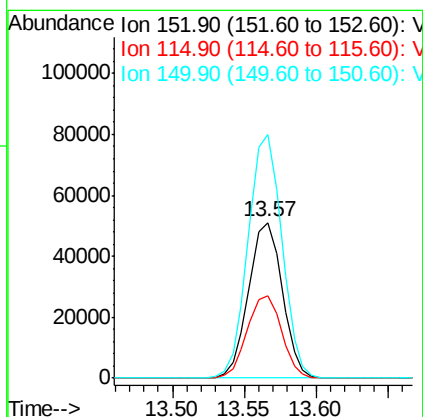
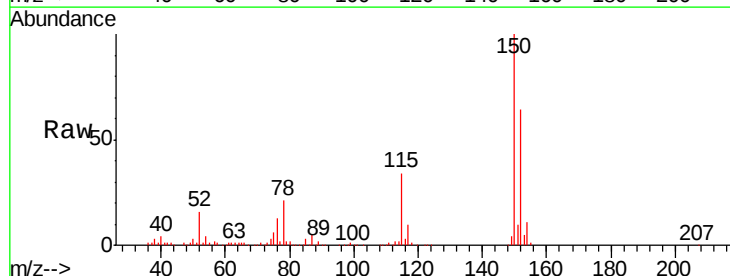
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01ARE

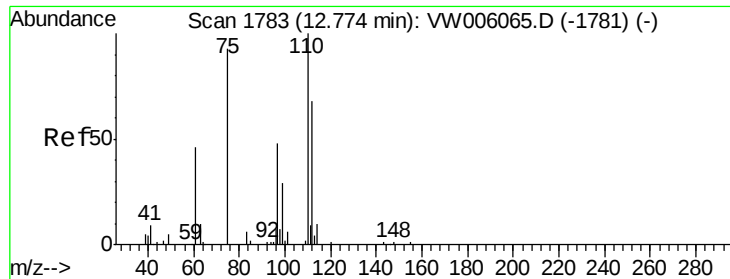
Tgt Ion:117 Resp: 232349
Ion Ratio Lower Upper
117 100
82 50.7 42.1 63.1
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006505.D
Acq: 30 Oct 2018 16:43

Tgt Ion:152 Resp: 82641
Ion Ratio Lower Upper
152 100
115 54.2 27.8 83.3
150 156.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 76.54 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

Instrument :

MSVOA_W

ClientSampled :

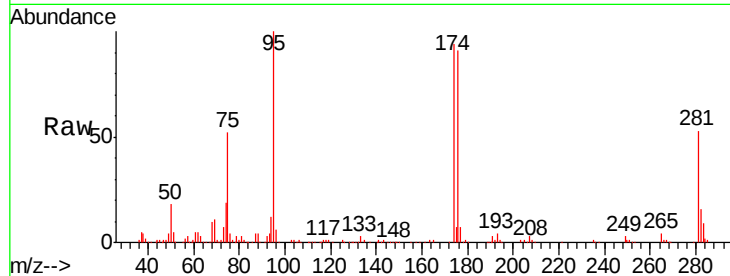
PA-SB-01ARE

Tgt Ion: 75 Resp: 48316

Ion Ratio Lower Upper

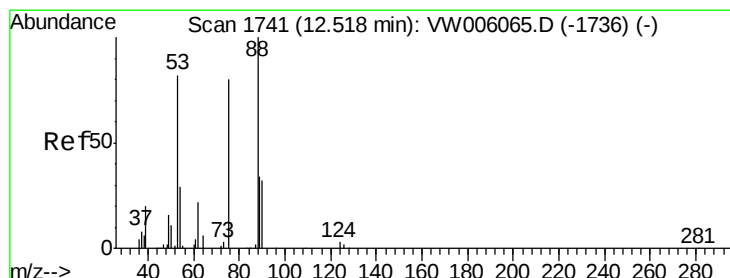
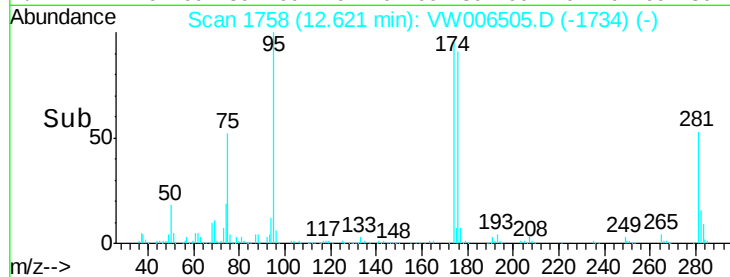
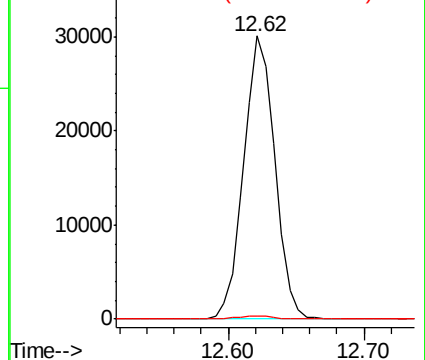
75 100

77 1.3 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: 182.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006505.D

Acq: 30 Oct 2018 16:43

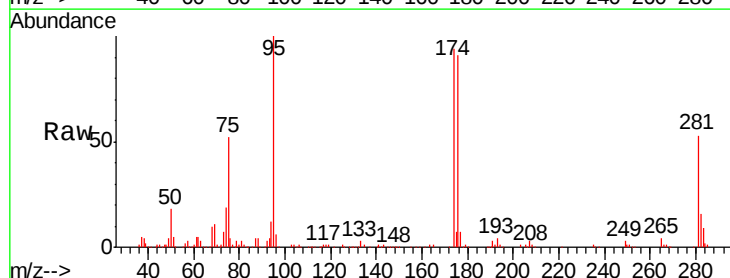
Tgt Ion: 75 Resp: 48316

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.5 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

