

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006486.D
 Acq On : 30 Oct 2018 07:02
 Operator : SY/AP
 Sample : J5683-01RE
 Misc : 6.28G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-SAMPLERE

Quant Time: Oct 30 07:40:10 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	221493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	343044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	132075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107851	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	
35) Dibromofluoromethane	7.88	113	107624	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.33	98	378345	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.62	95	121318	41.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.76%	

Target Compounds

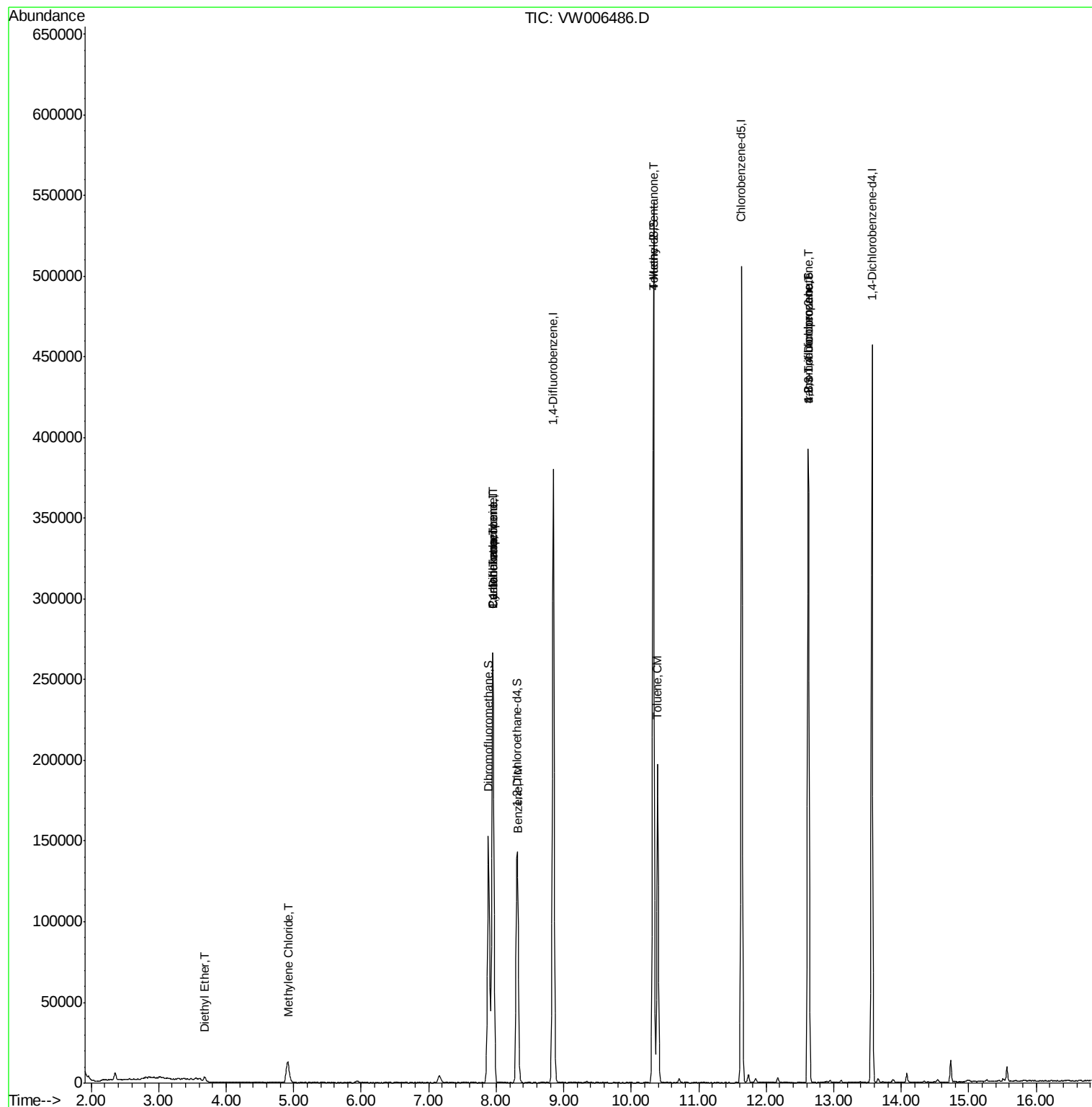
					Qvalue
8) Diethyl Ether	3.68	74	1855	1.860 ug/l	92
16) Acetone	4.17	43	541	Below Cal	# 45
20) Methylene Chloride	4.91	84	11043	4.192 ug/l	94
31) Cyclohexane	7.95	56	4027	1.198 ug/l	# 12
36) 1,1-Dichloropropene	7.95	75	14127	4.468 ug/l	# 48
38) Carbon Tetrachloride	7.95	117	19497	5.625 ug/l	# 17
40) Benzene	8.32	78	19598	2.260 ug/l	98
51) 4-Methyl-2-Pentanone	10.32	43	1528	1.270 ug/l	# 1
52) Toluene	10.39	92	85166	14.646 ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	60346	59.820 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	60346	142.993 ug/l	# 10

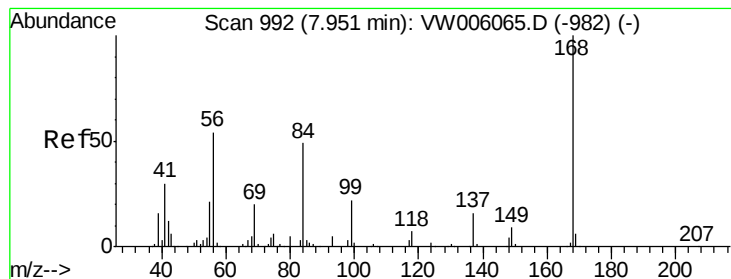
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 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: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

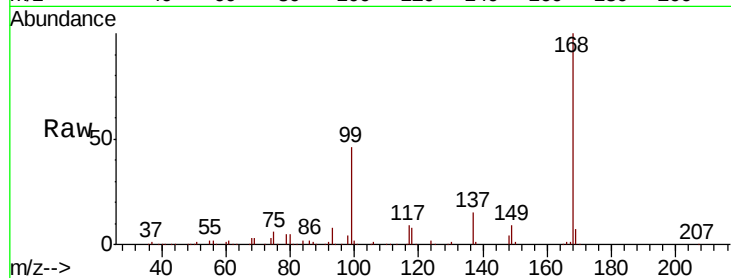
SP-SAMPLERE

Tot Ion:168 Resp: 221493

Ion Ratio Lower Upper

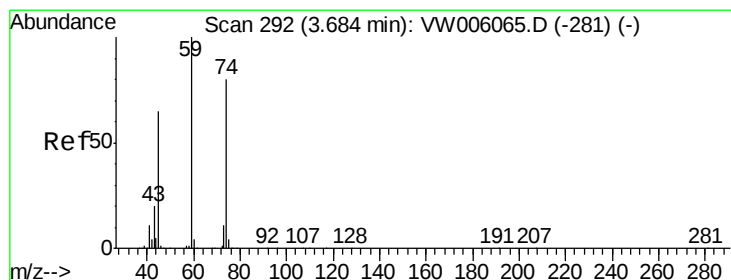
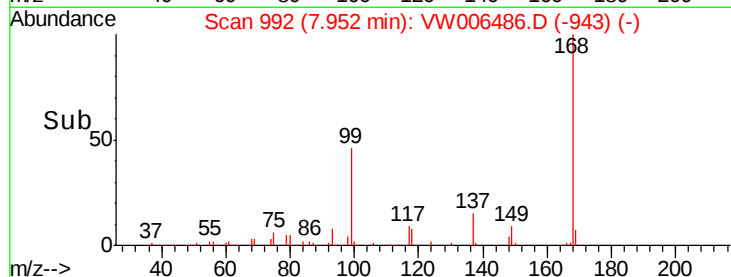
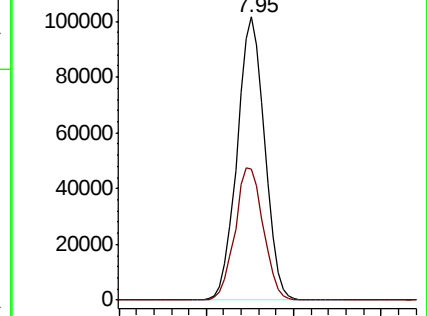
168 100

99 46.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.860 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006486.D

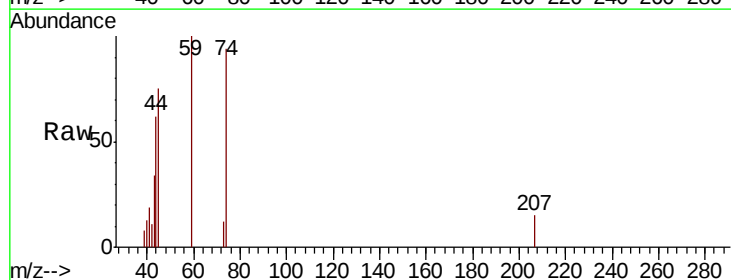
Acq: 30 Oct 2018 07:02

Tgt Ion: 74 Resp: 1855

Ion Ratio Lower Upper

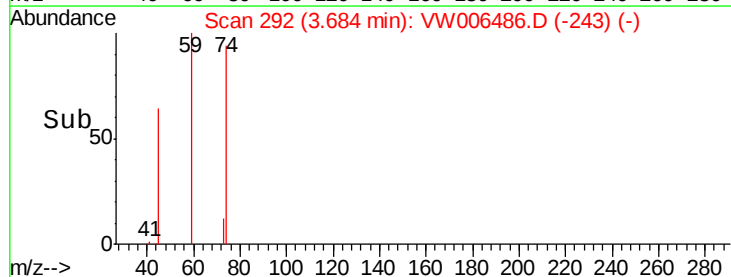
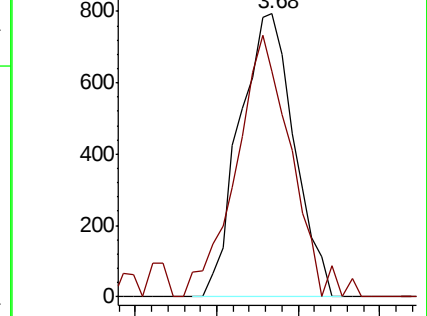
74 100

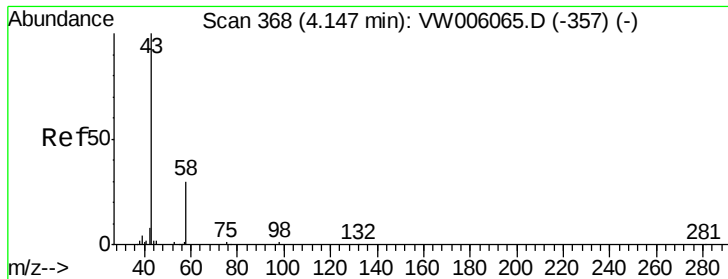
45 92.6 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.17 min Scan# 372

Delta R.T. 0.02 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

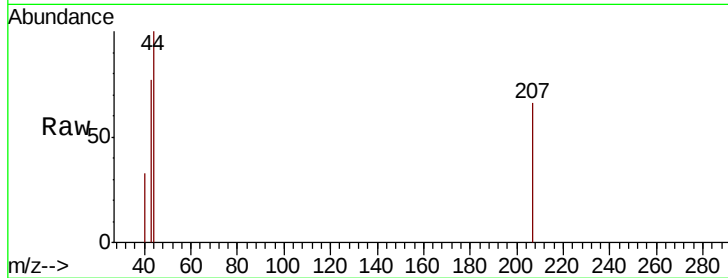
SP-SAMPLERE

Tot Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.17

200

150

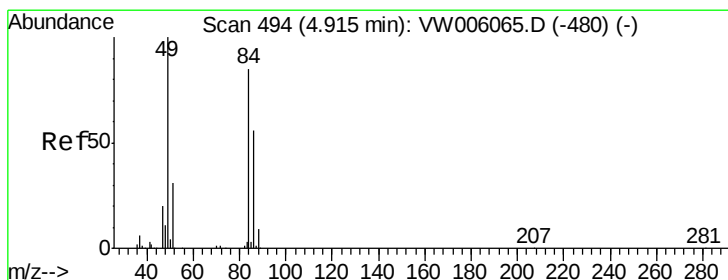
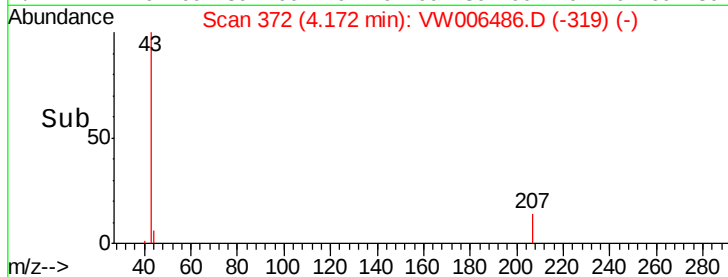
100

50

0

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 4.192 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Tgt Ion: 84 Resp: 11043

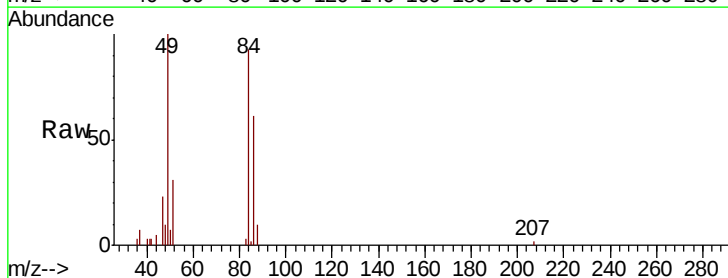
Ion Ratio Lower Upper

84 100

49 107.4 93.6 140.4

51 33.0 29.0 43.4

86 65.2 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

5000

4000

3000

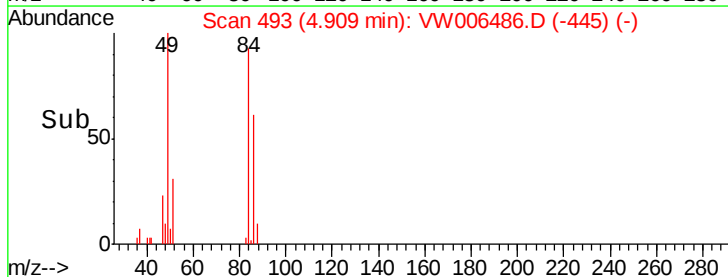
2000

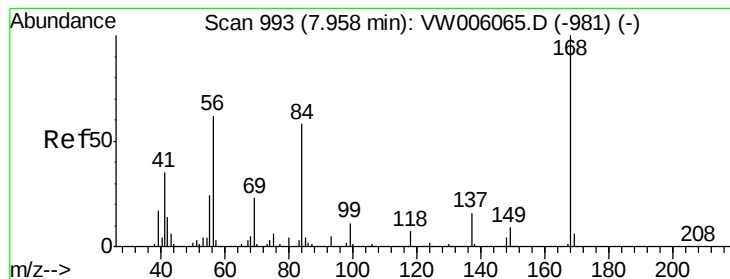
1000

0

4.80 4.90 5.00

Time-->





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

SP-SAMPLERE

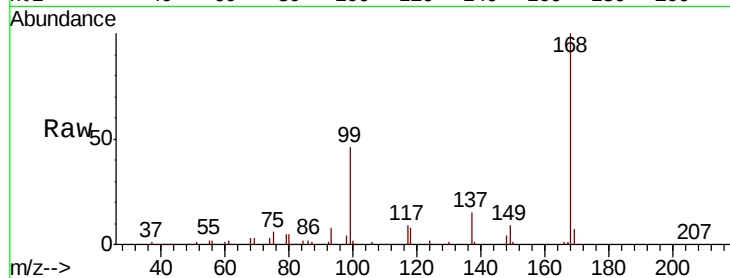
Tot Ion: 56 Resp: 4027

Ion Ratio Lower Upper

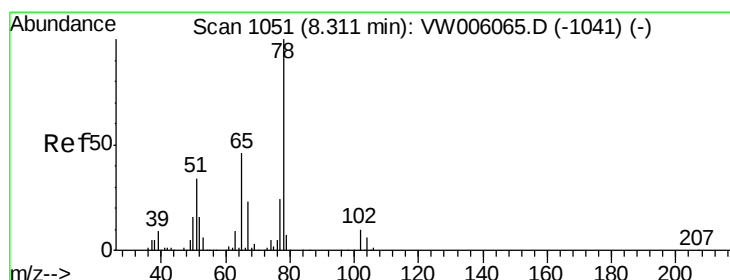
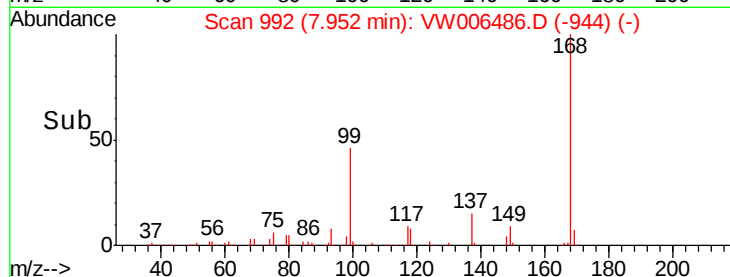
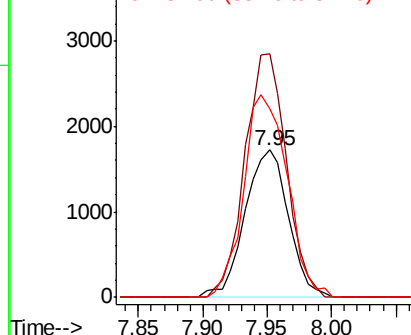
56 100

69 165.1 29.4 44.0#

84 128.2 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: 58.733 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006486.D

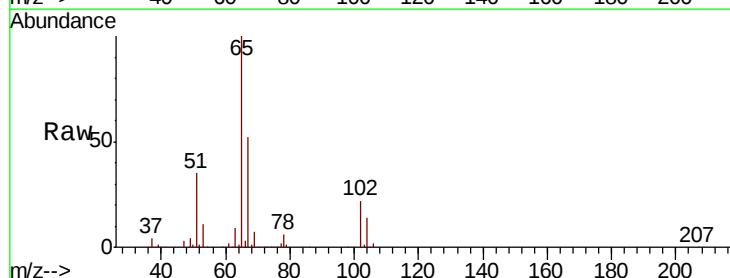
Acq: 30 Oct 2018 07:02

Tgt Ion: 65 Resp: 107851

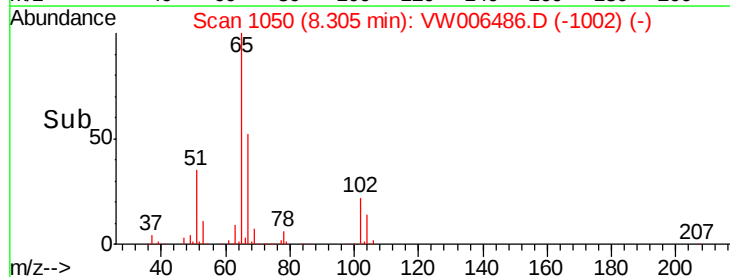
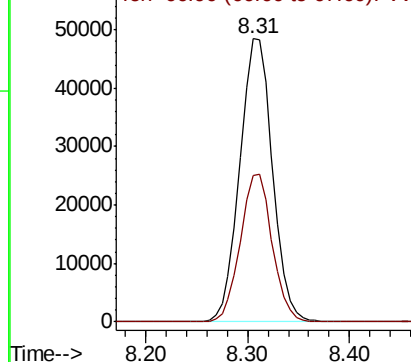
Ion Ratio Lower Upper

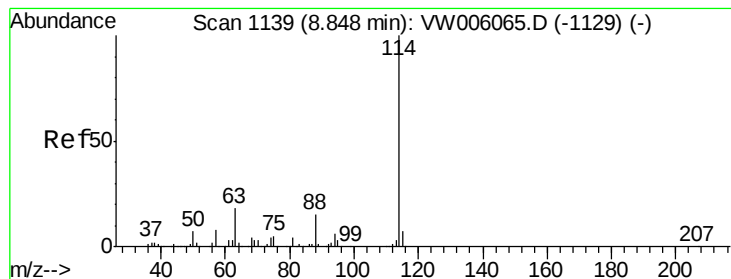
65 100

67 50.9 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: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

SP-SAMPLER

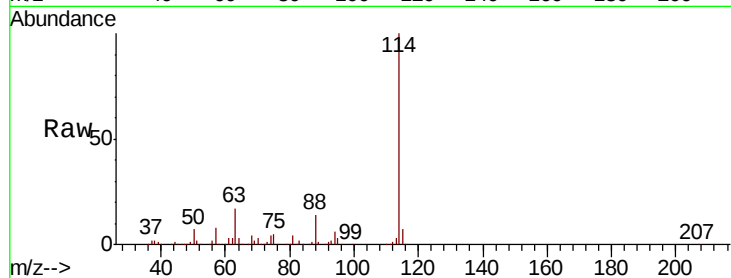
Tot Ion:114 Resp: 343044

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

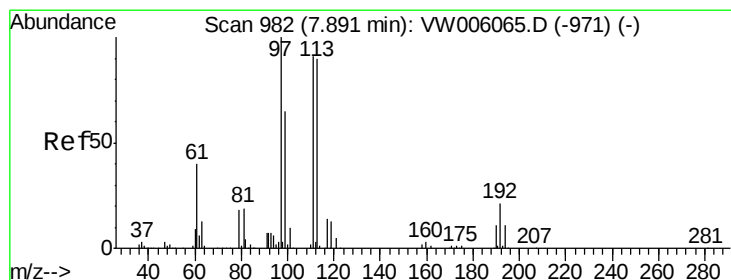
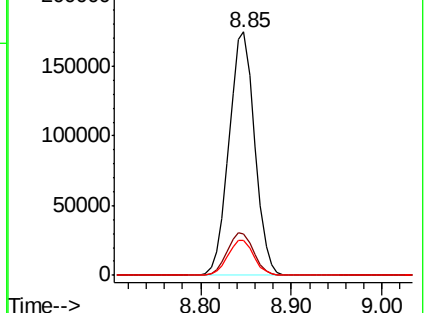
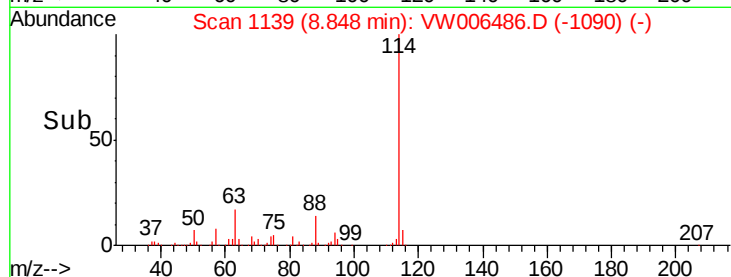
88 14.3 0.0 29.0



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: 53.094 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

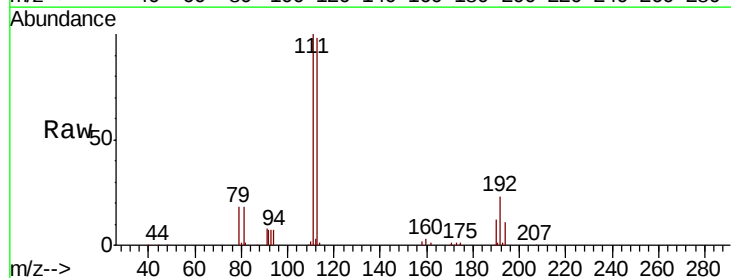
Tgt Ion:113 Resp: 107624

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

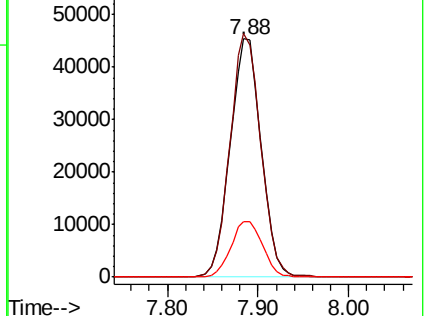
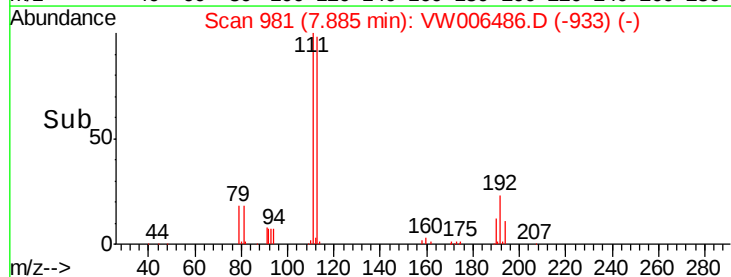
192 23.7 18.7 28.1

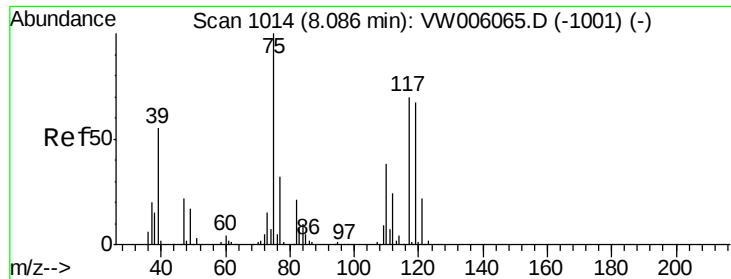


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

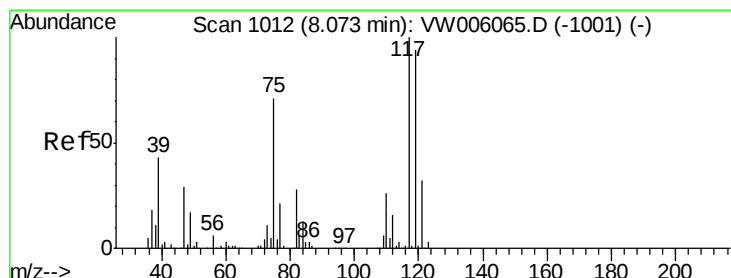
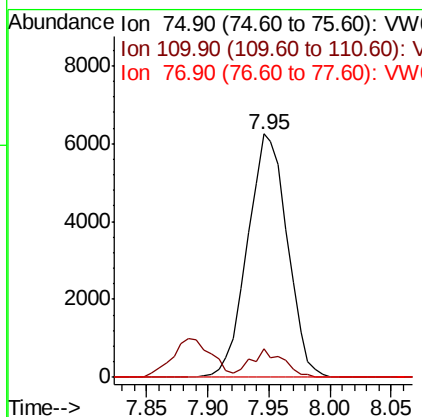
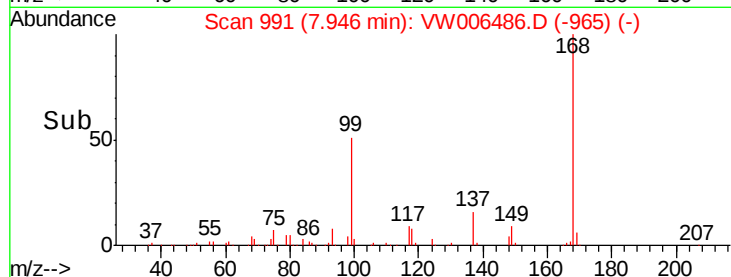
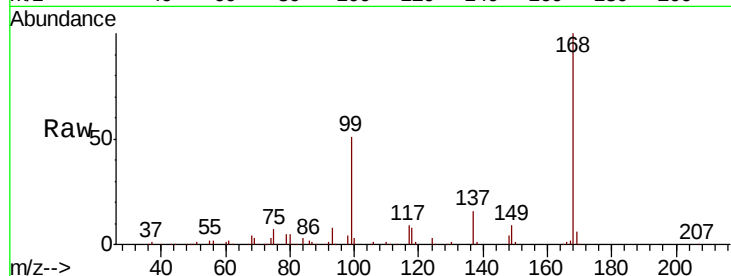




#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006486.D
 Acq: 30 Oct 2018 07:02

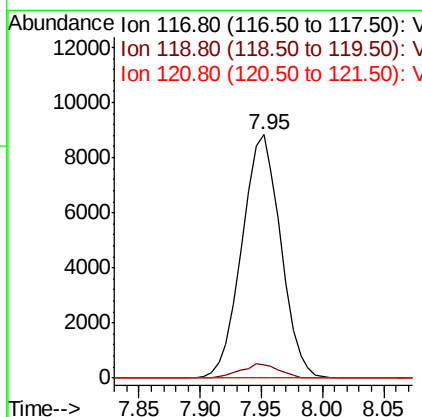
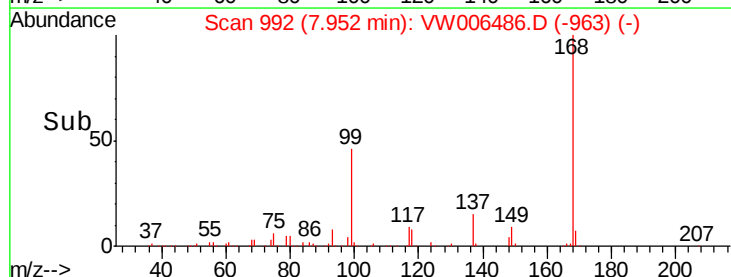
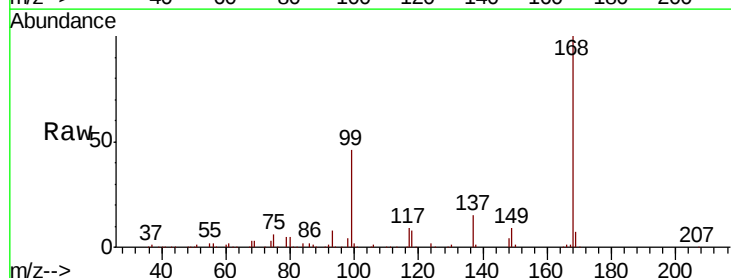
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-SAMPLERE

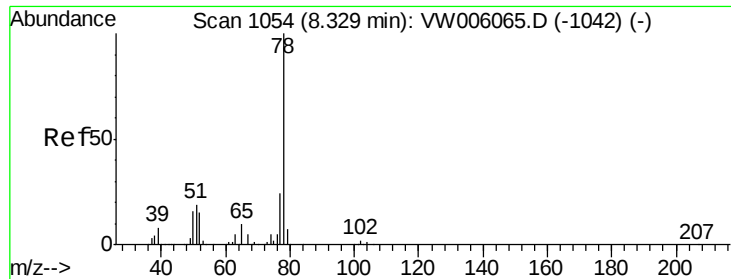
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.625 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006486.D
 Acq: 30 Oct 2018 07:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.2	112.8#
121	0.0	25.3	37.9#





#40

Benzene

Concen: 2.260 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

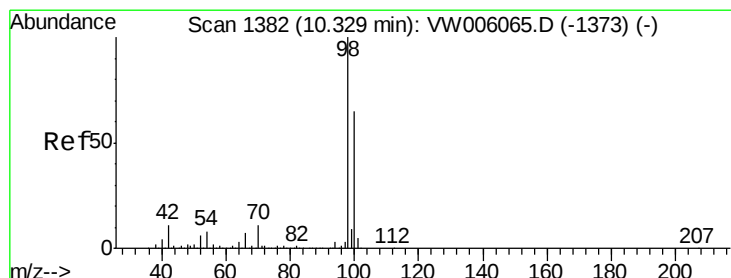
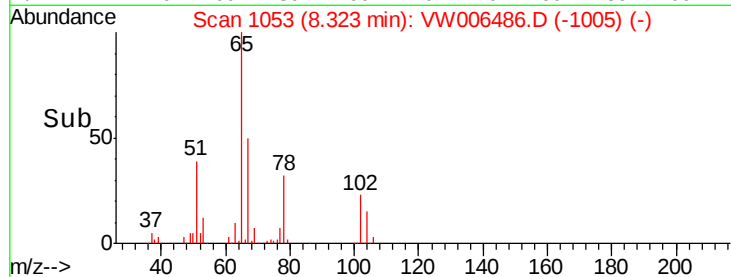
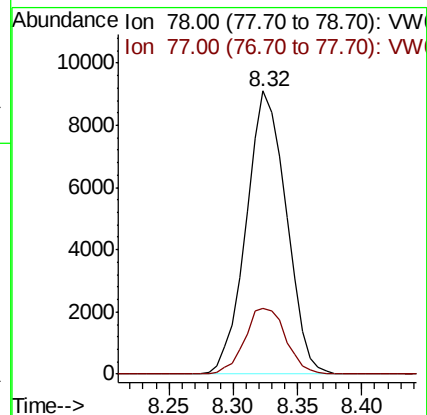
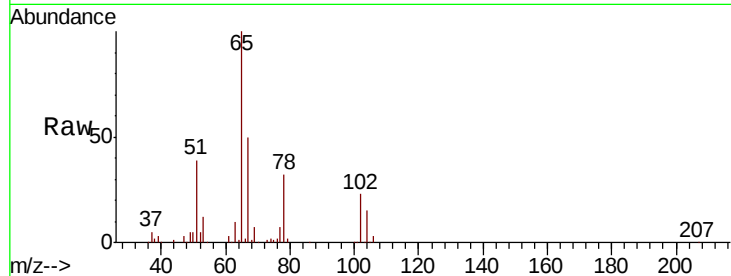
SP-SAMPLERE

Tot Ion: 78 Resp: 19598

Ion Ratio Lower Upper

78 100

77 23.0 19.4 29.0



#50

Toluene-d8

Concen: 49.060 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006486.D

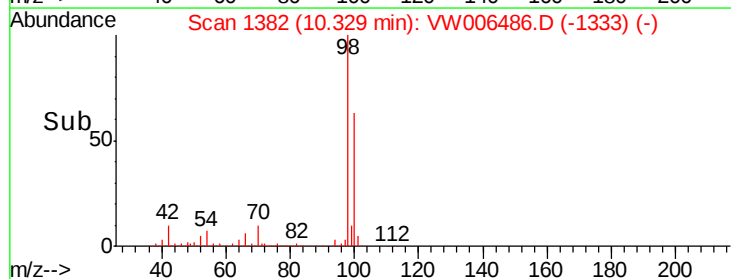
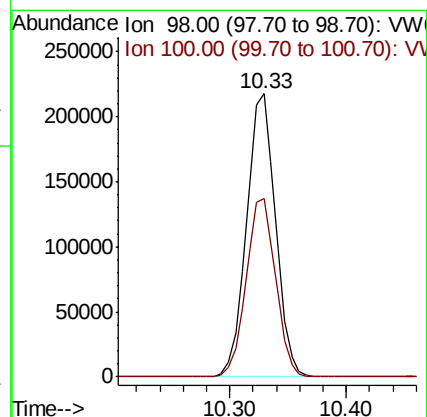
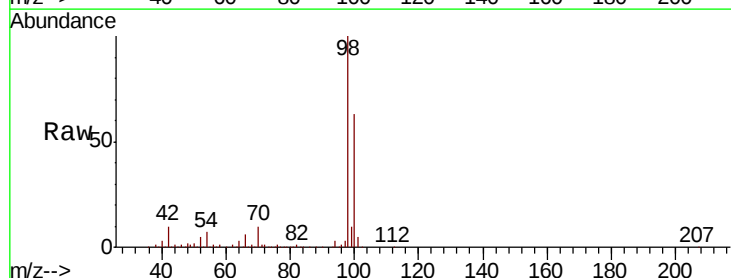
Acq: 30 Oct 2018 07:02

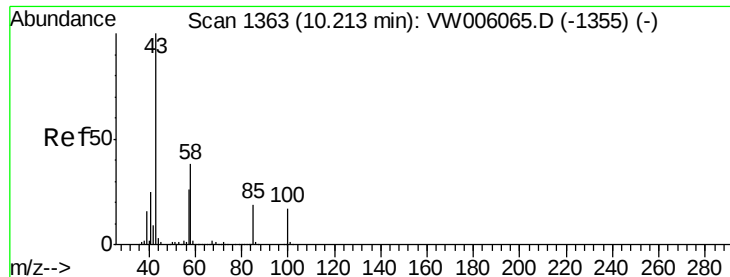
Tgt Ion: 98 Resp: 378345

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.270 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

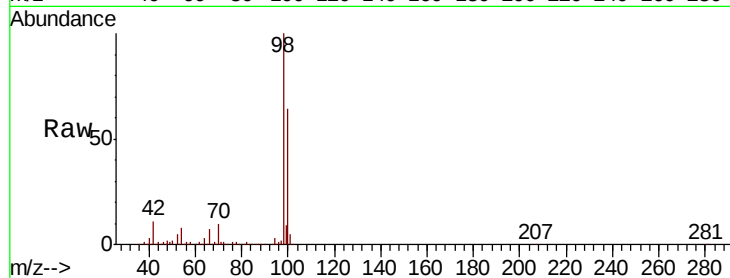
SP-SAMPLER

Tot Ion: 43 Resp: 1528

Ion Ratio Lower Upper

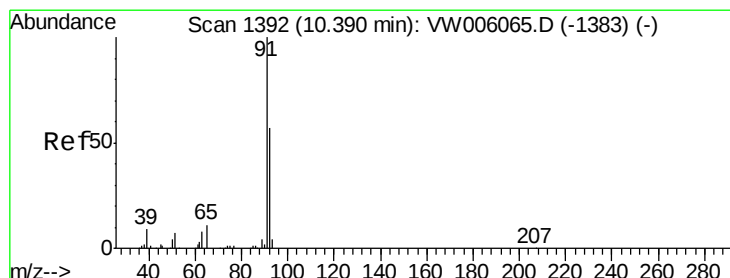
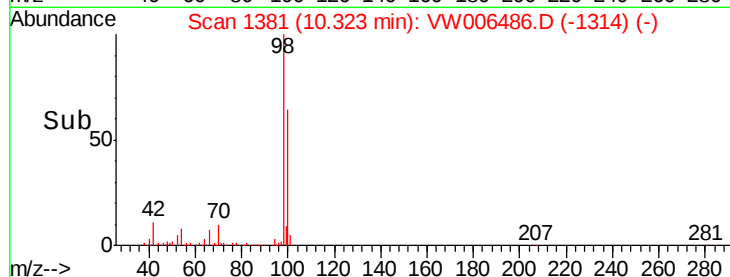
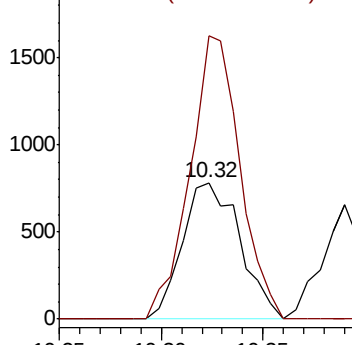
43 100

58 181.5 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 14.646 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006486.D

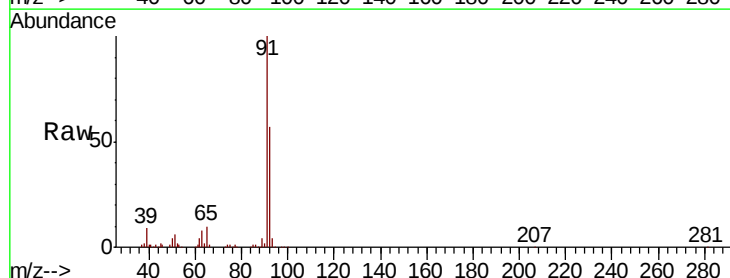
Acq: 30 Oct 2018 07:02

Tgt Ion: 92 Resp: 85166

Ion Ratio Lower Upper

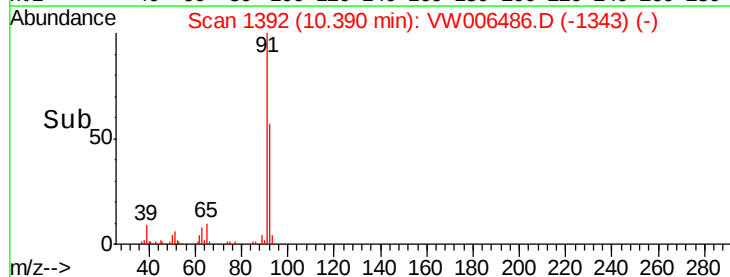
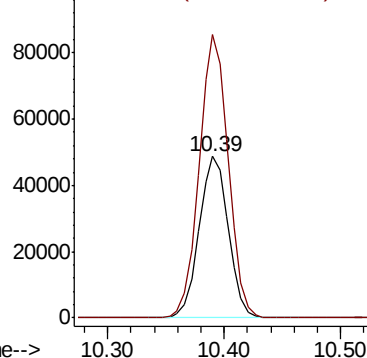
92 100

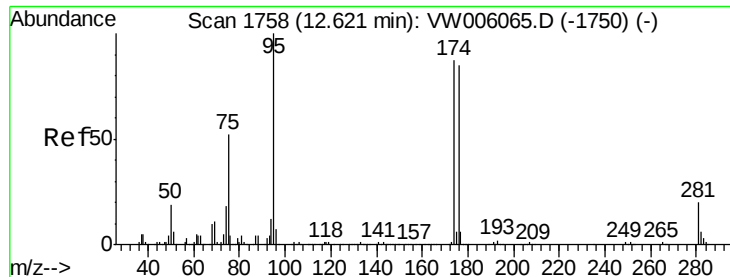
91 173.7 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 41.885 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

SP-SAMPLER

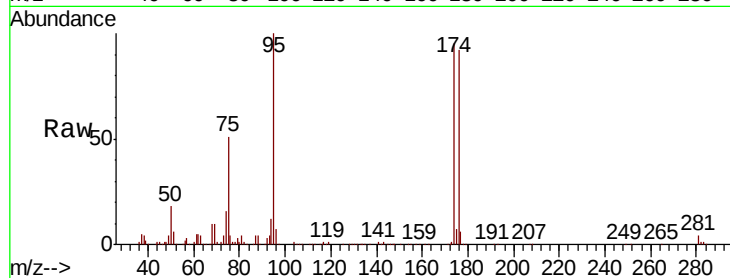
Tot Ion: 95 Resp: 121318

Ion Ratio Lower Upper

95 100

174 97.2 0.0 186.0

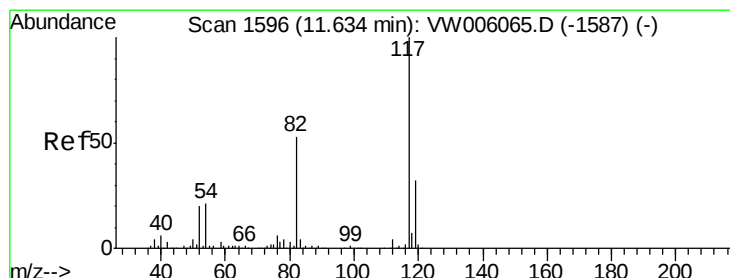
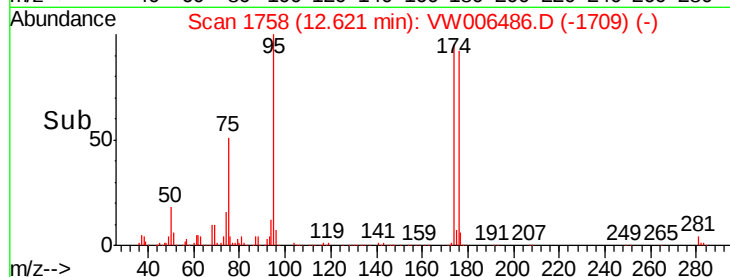
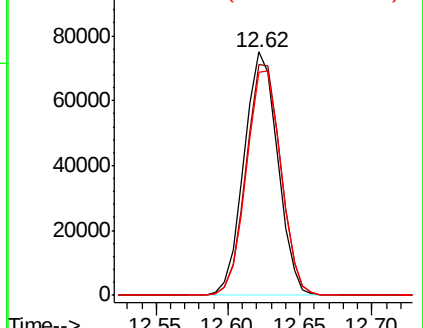
176 94.7 0.0 181.6



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: VW006486.D

Acq: 30 Oct 2018 07:02

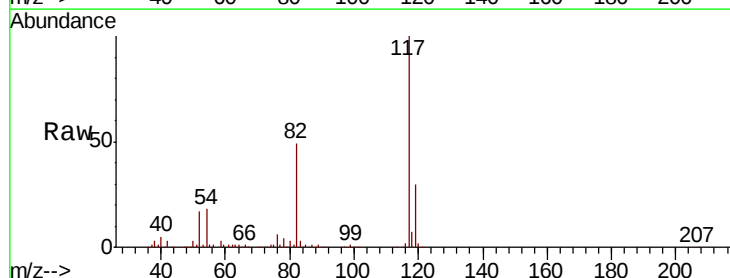
Tgt Ion: 117 Resp: 294627

Ion Ratio Lower Upper

117 100

82 49.4 42.1 63.1

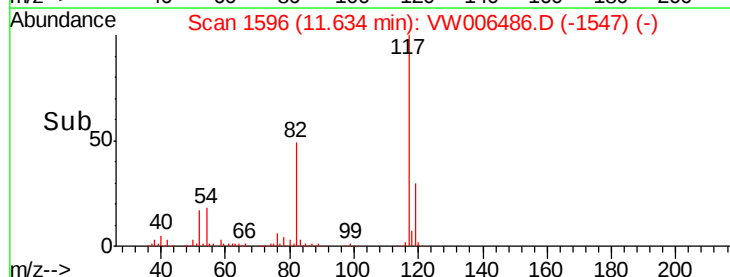
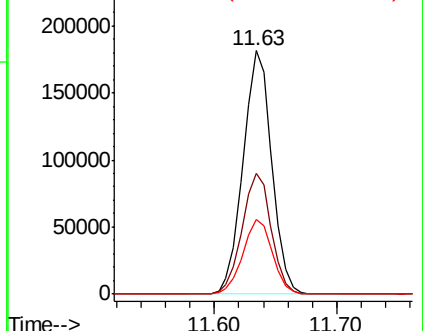
119 30.4 25.8 38.6

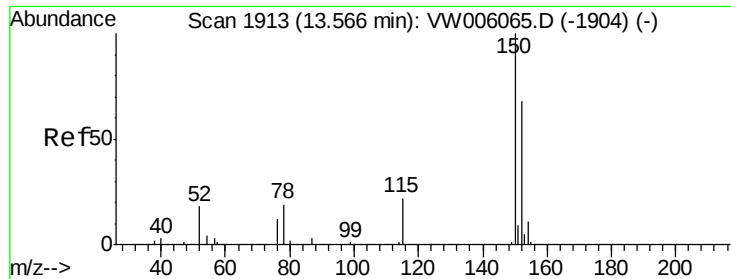


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



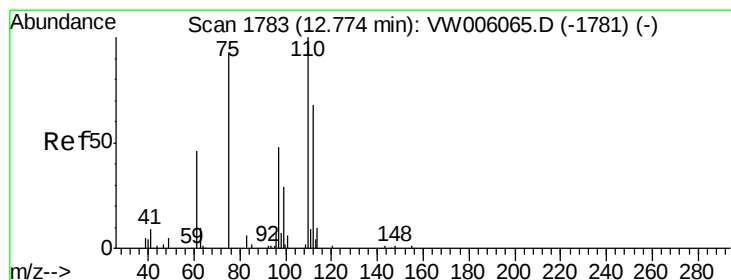
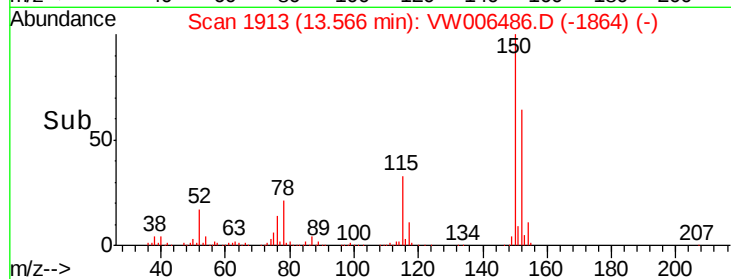
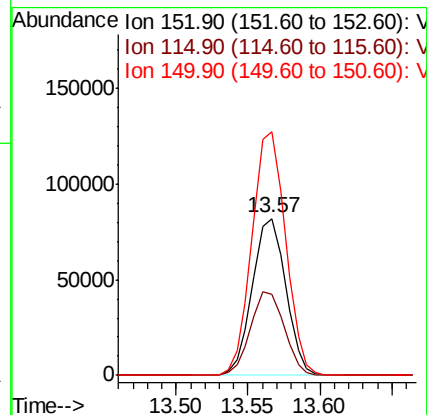
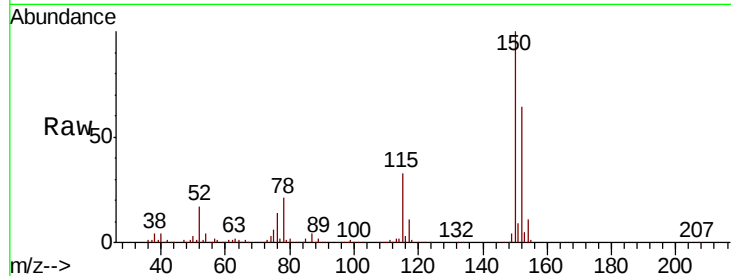


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006486.D
Acq: 30 Oct 2018 07:02

Instrument :
MSVOA_W
ClientSampleId :
SP-SAMPLER

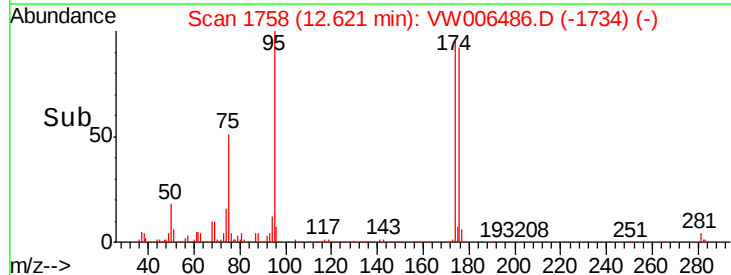
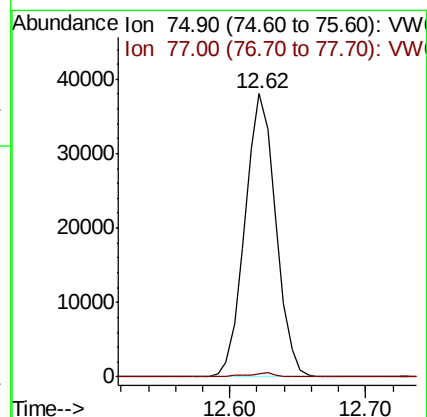
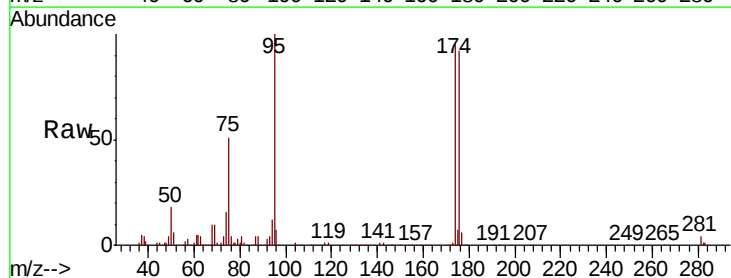
Tot Ion:152 Resp: 132075
Ion Ratio Lower Upper
152 100
115 53.7 27.8 83.3
150 156.0 0.0 349.2

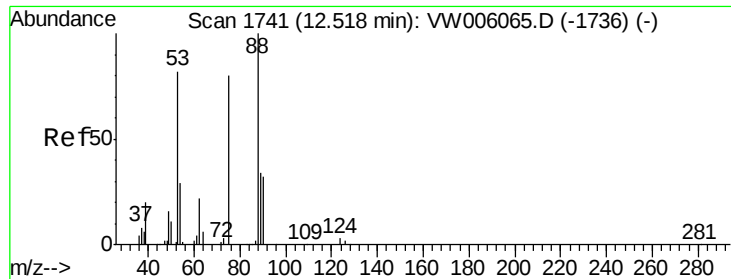


#76

1,2,3-Trichloropropane
Concen: 59.820 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006486.D
Acq: 30 Oct 2018 07:02

Tgt Ion: 75 Resp: 60346
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 142.993 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006486.D

Acq: 30 Oct 2018 07:02

Instrument :

MSVOA_W

ClientSampleId :

SP-SAMPLERE

Tot Ion: 75 Resp: 60346

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#

