

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\
 Data File : VW006666.D
 Acq On : 06 Nov 2018 05:54
 Operator : SY/AP
 Sample : J5764-19
 Misc : 5.12G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 06 08:39:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	271881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51511	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	74204	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
35) Dibromofluoromethane	7.88	113	76547	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	
50) Toluene-d8	10.33	98	122735	18.90	ug/l	0.00
Spiked Amount			Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.62	95	46023	19.54	ug/l	0.00
Spiked Amount			Recovery	=	39.08%	

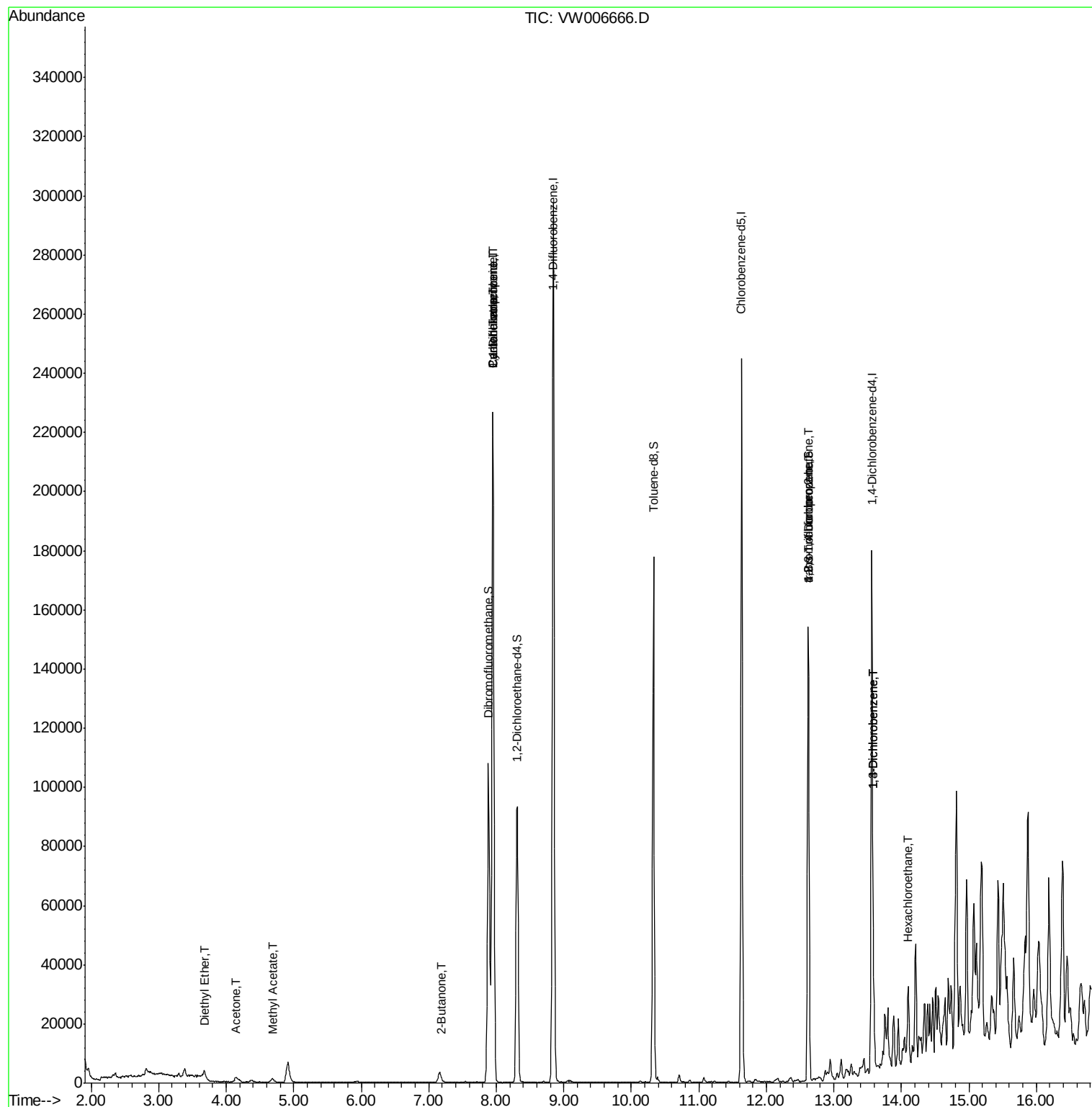
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1952	2.423	ug/l	81
16) Acetone	4.14	43	3184	12.312	ug/l #	84
18) Methyl Acetate	4.68	43	2636	3.545	ug/l	99
20) Methylene Chloride	4.92	84	6011	Below Cal		95
25) 2-Butanone	7.20	43	705	1.910	ug/l	94
31) Cyclohexane	7.95	56	3150	1.235	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	11571	4.840	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16012	6.409	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	21897	54.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21897	136.248	ug/l #	11
87) 1,3-Dichlorobenzene	13.58	146	4760	2.751	ug/l #	84
88) 1,4-Dichlorobenzene	13.58	146	4760	2.775	ug/l #	84
90) Hexachloroethane	14.10	117	1574	2.956	ug/l #	3

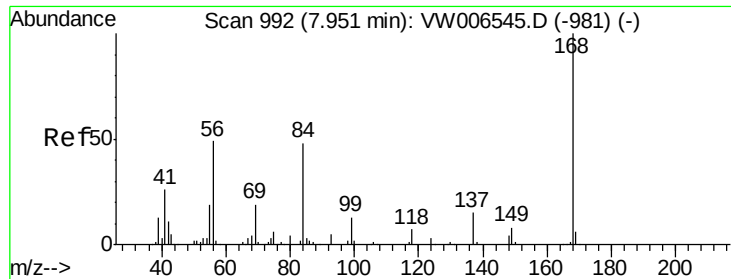
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA_W

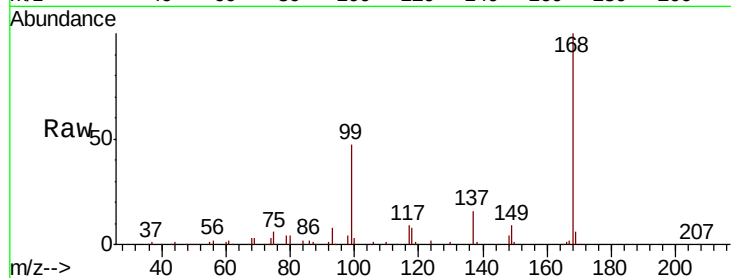
ClientSampled :

Tot Ion:168 Resp: 186350

Ion Ratio Lower Upper

168 100

99 46.5 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

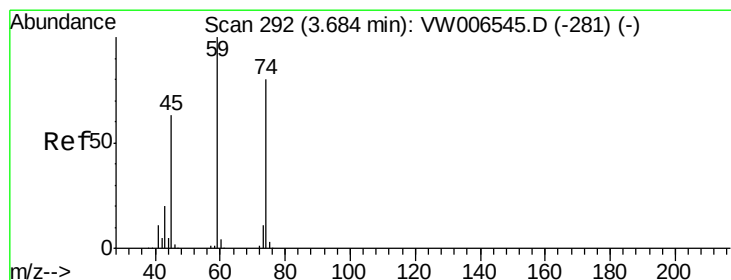
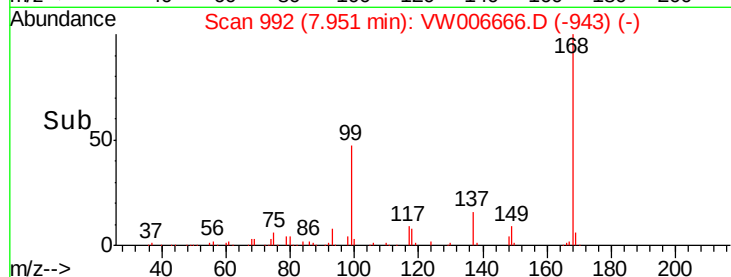
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.423 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006666.D

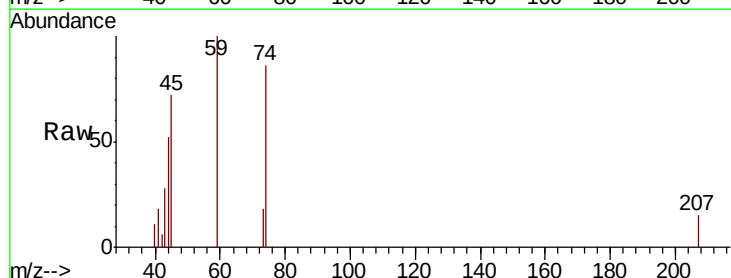
Acq: 06 Nov 2018 05:54

Tgt Ion: 74 Resp: 1952

Ion Ratio Lower Upper

74 100

45 99.6 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

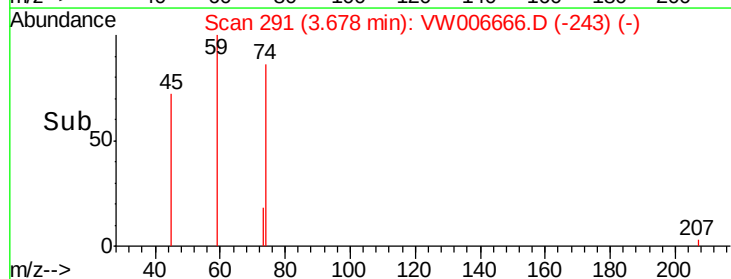
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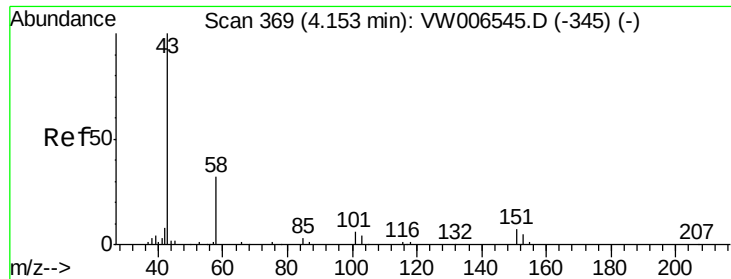
200

0

3.60 3.65 3.70 3.75

Time-->

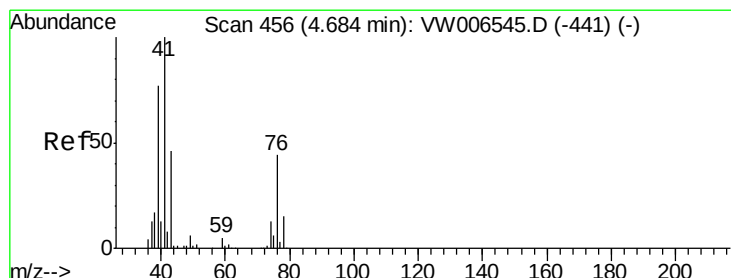
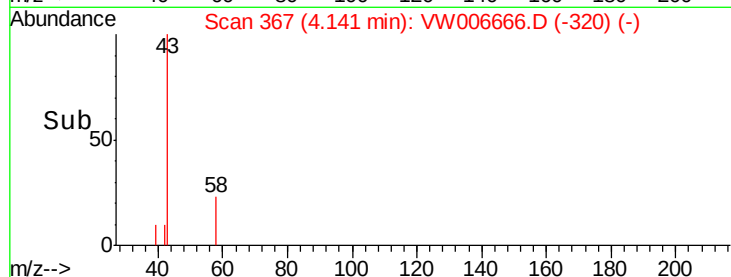
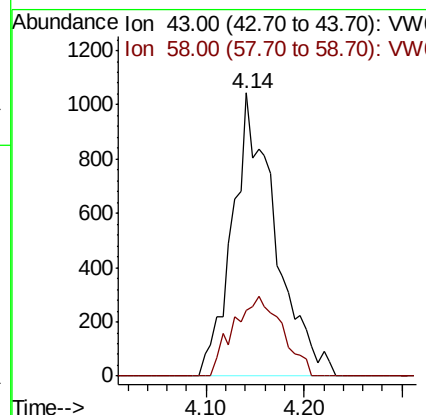
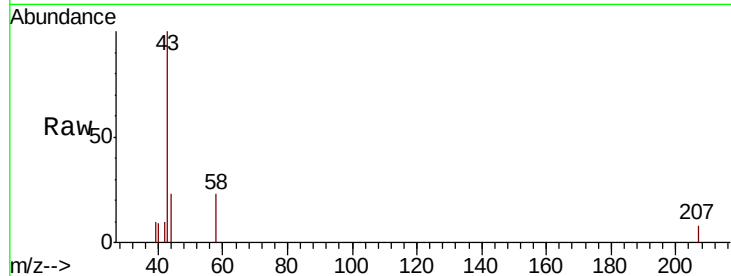




#16
Acetone
Concen: 12.312 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.01 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

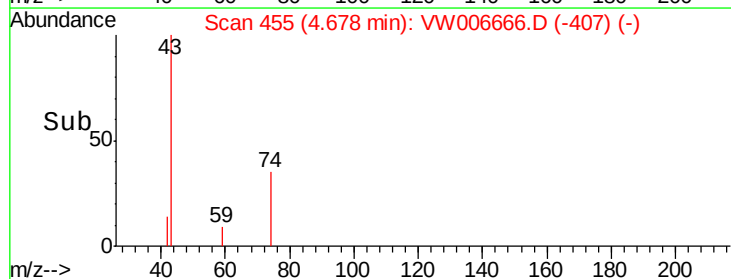
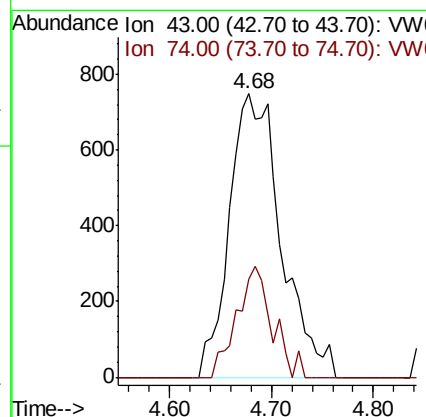
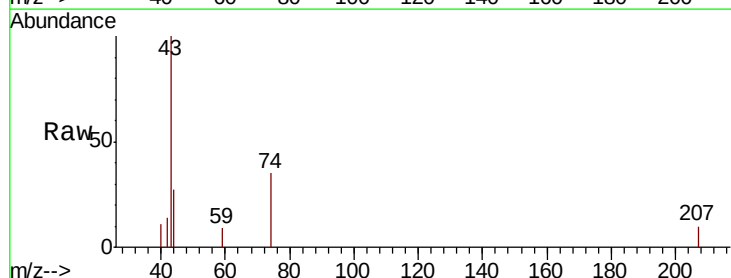
Instrument :
MSVOA_W
ClientSampled :

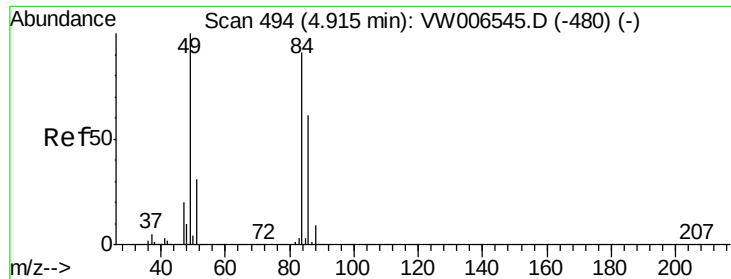
Tot Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
58 23.1 25.8 38.8#



#18
Methyl Acetate
Concen: 3.545 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9

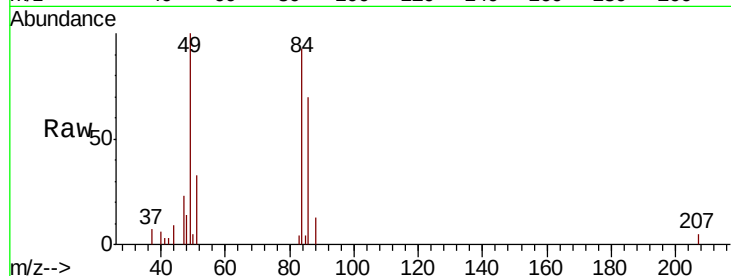




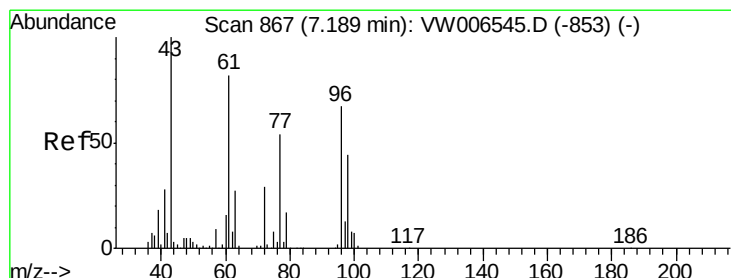
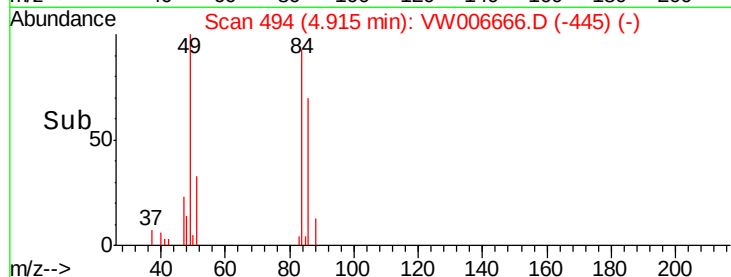
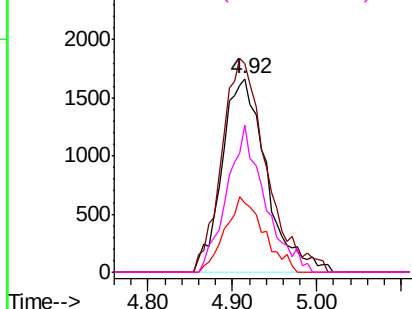
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	6011
Ion	Ratio	Lower	Upper
84	100		
49	108.0	88.2	132.4
51	35.7	27.0	40.6
86	75.9	53.8	80.8

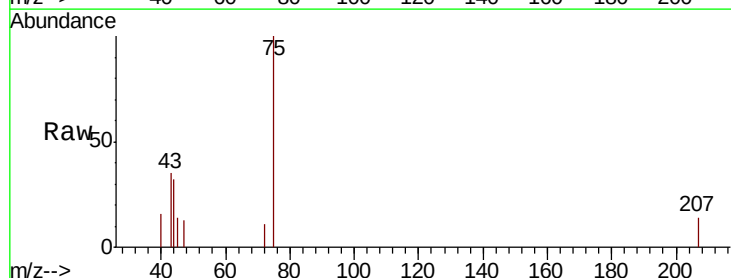


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

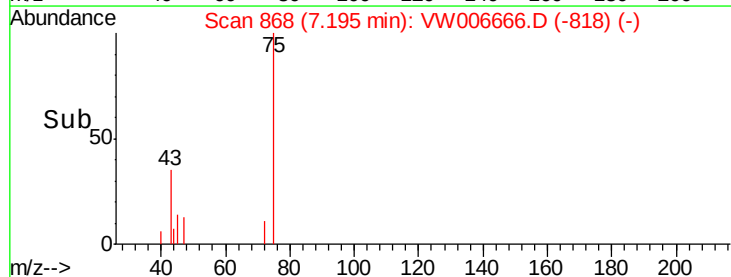
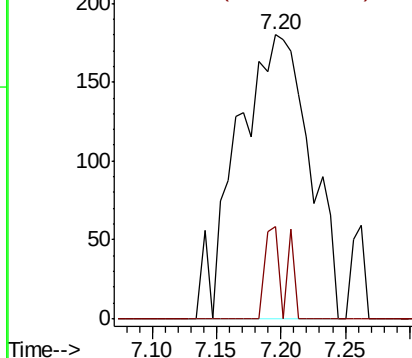


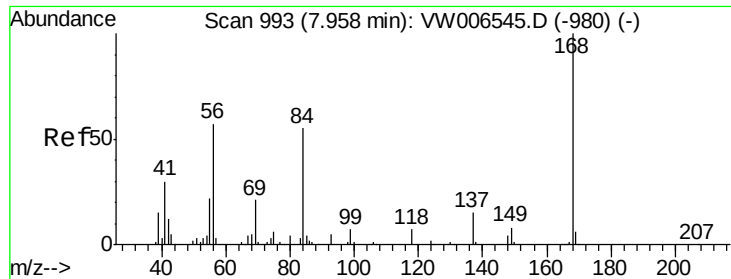
#25
2-Butanone
Concen: 1.910 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Tgt Ion:	43	Resp:	705
Ion	Ratio	Lower	Upper
43	100		
72	32.2	23.2	34.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

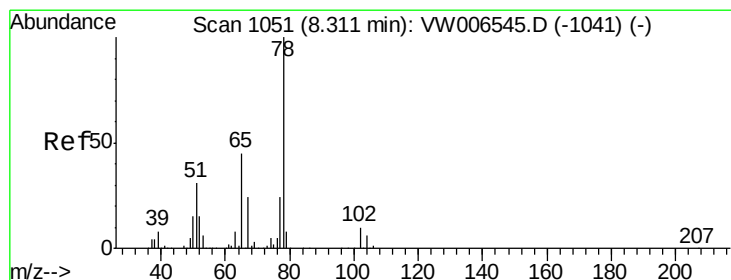
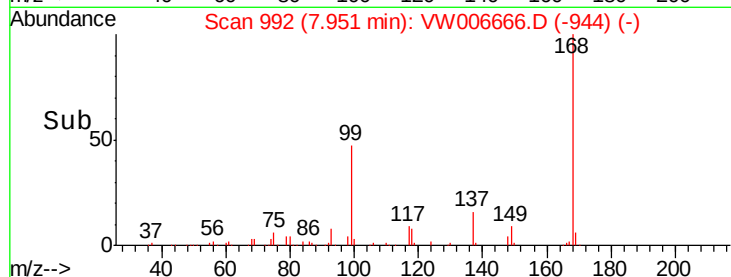
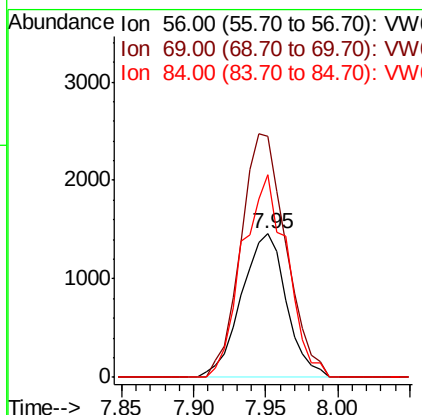
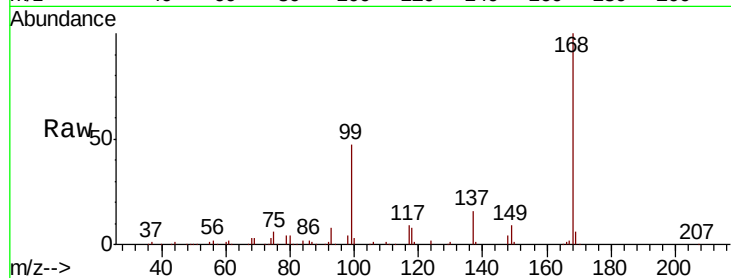




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

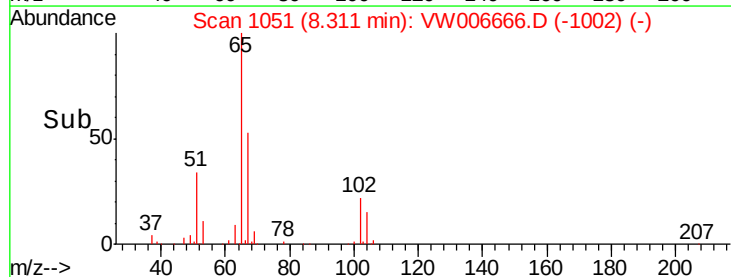
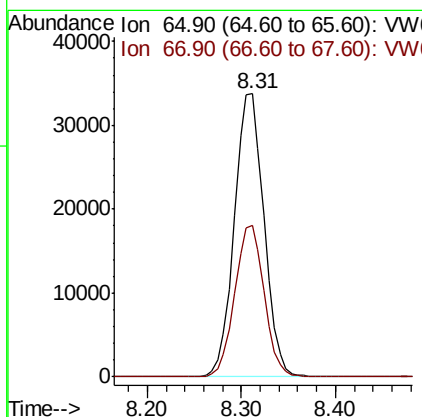
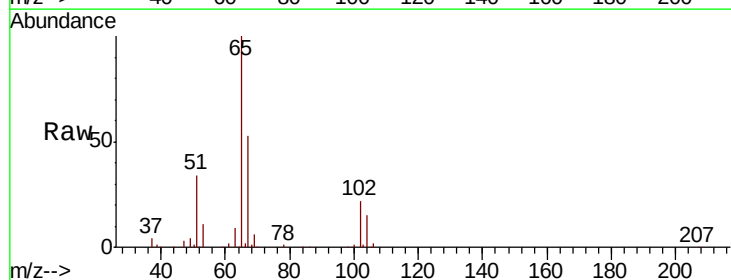
Instrument :
MSVOA_W
ClientSampleId :

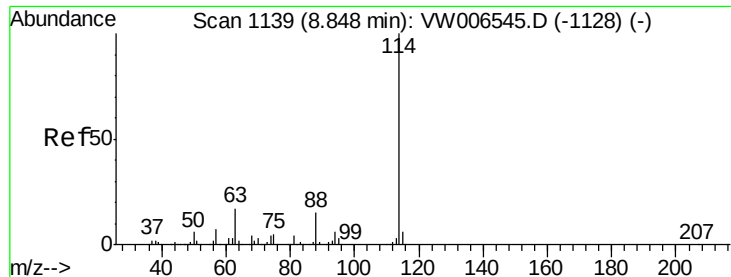
Tot Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 167.6 29.0 43.4#
84 141.1 77.8 116.6#



#33
1,2-Dichloroethane-d4
Concen: 46.324 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Tgt Ion: 65 Resp: 74204
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA_W

ClientSampleId :

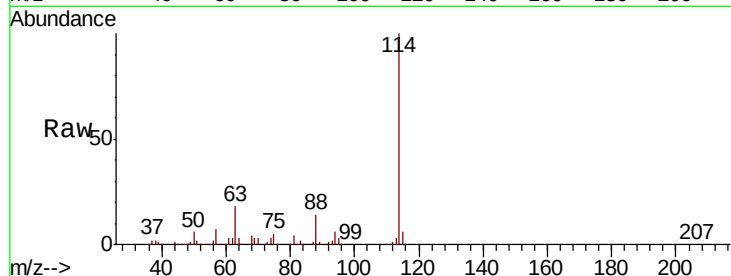
Tot Ion:114 Resp: 271881

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

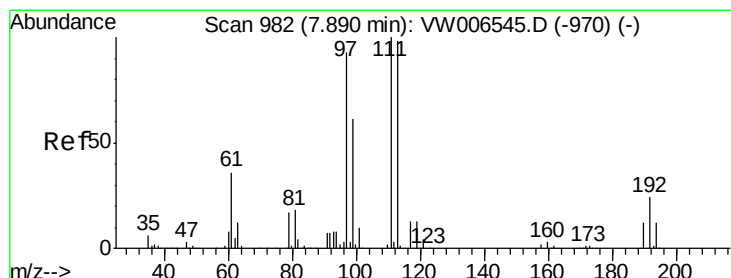
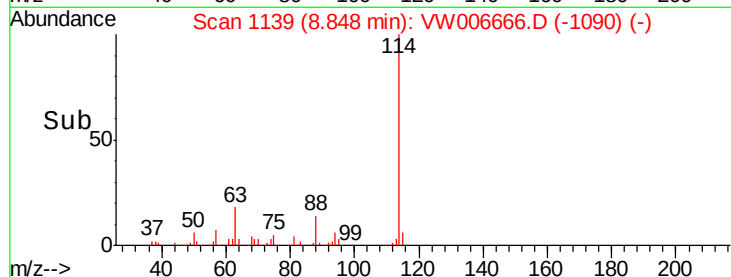
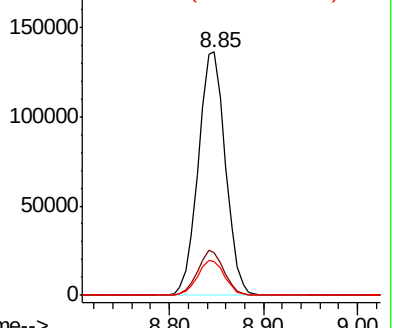
88 14.0 0.0 29.0



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: 44.862 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

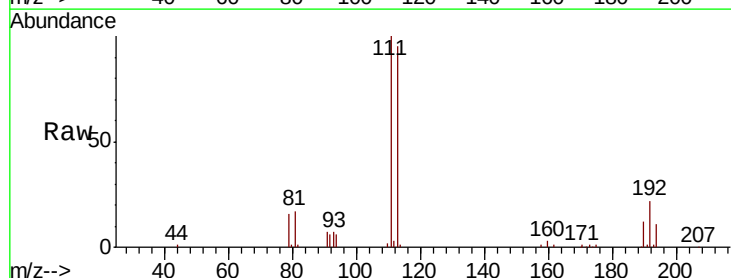
Tgt Ion:113 Resp: 76547

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

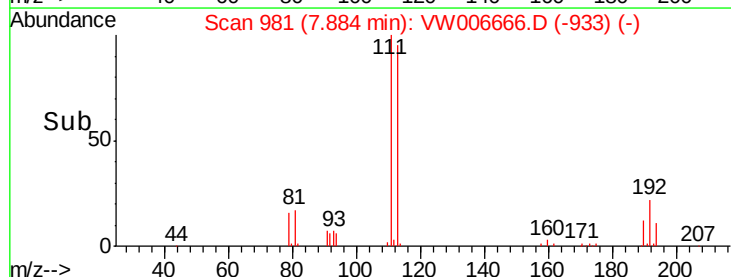
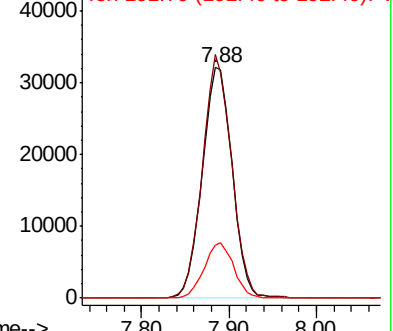
192 23.4 19.0 28.6

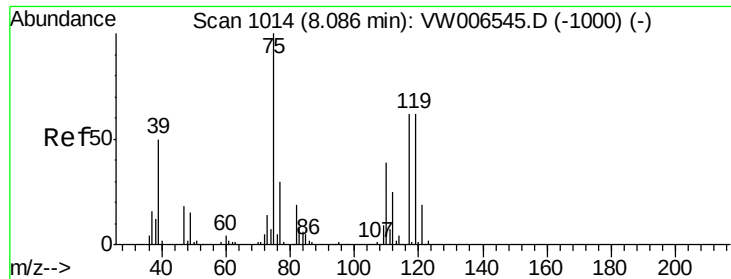


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

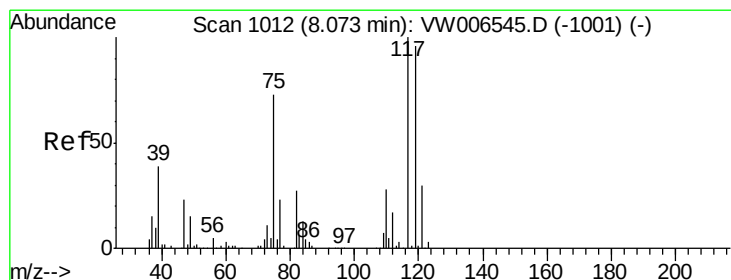
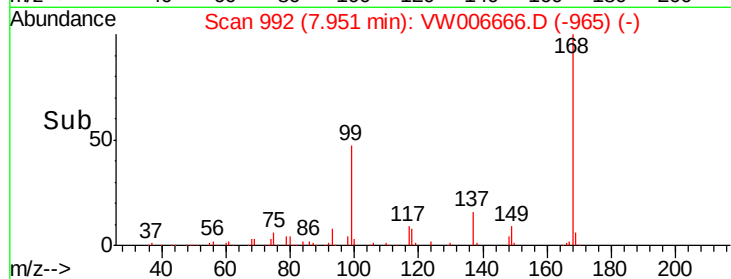
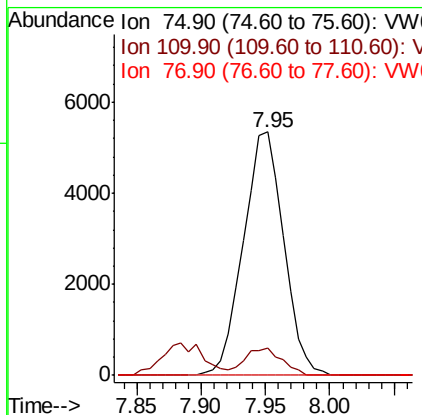
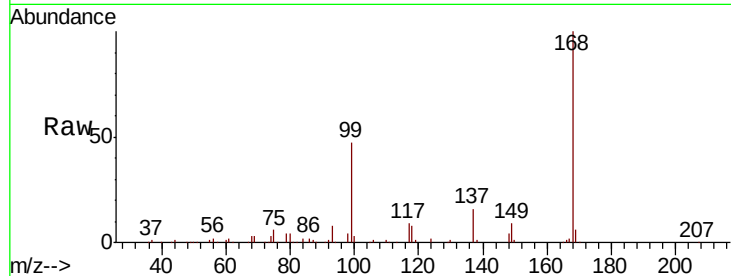




#36
 1,1-Dichloropropene
 Concen: 4.840 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006666.D
 Acq: 06 Nov 2018 05:54

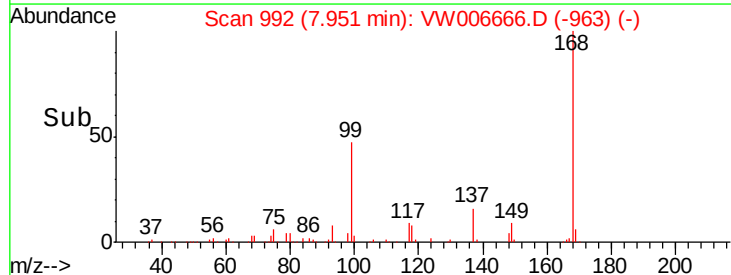
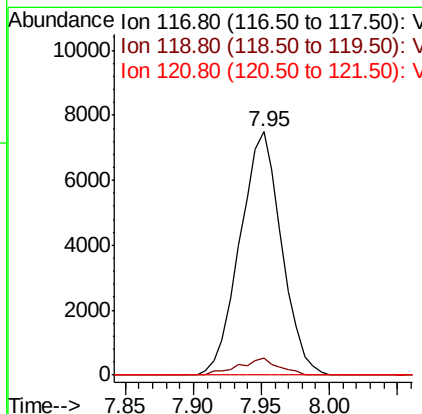
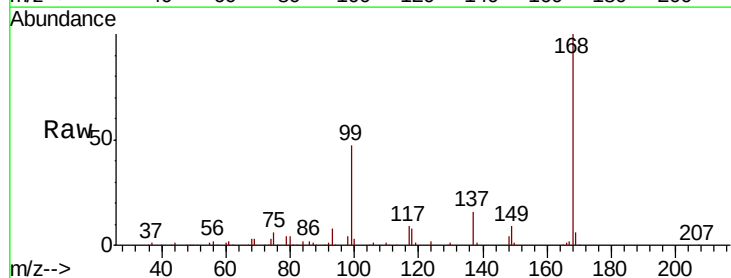
Instrument :
 MSVOA_W
 ClientSampleId :

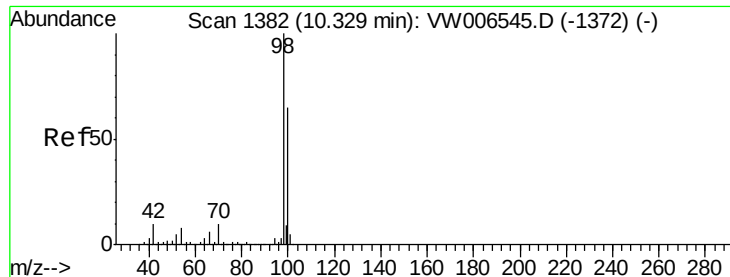
Tot Ion: 75 Resp: 11571
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.409 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006666.D
 Acq: 06 Nov 2018 05:54

Tgt Ion: 117 Resp: 16012
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.3 114.5#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 18.896 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA_W

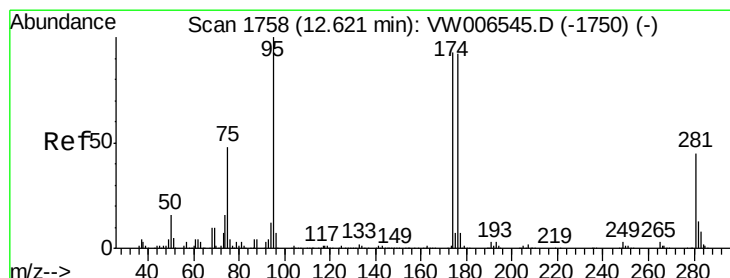
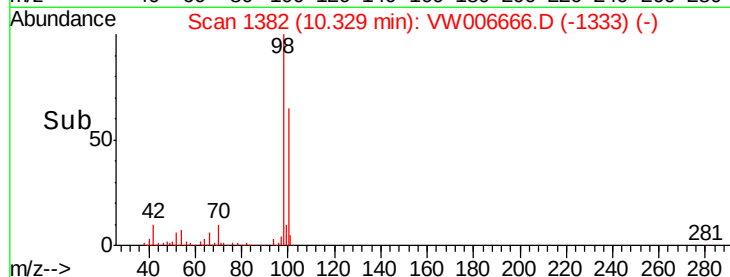
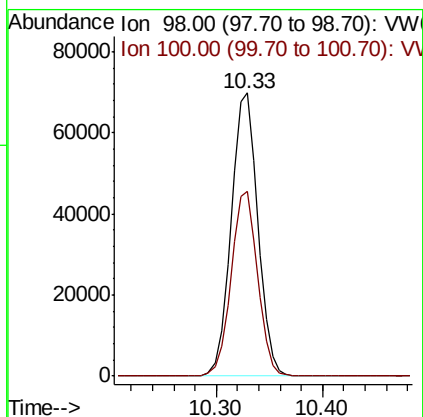
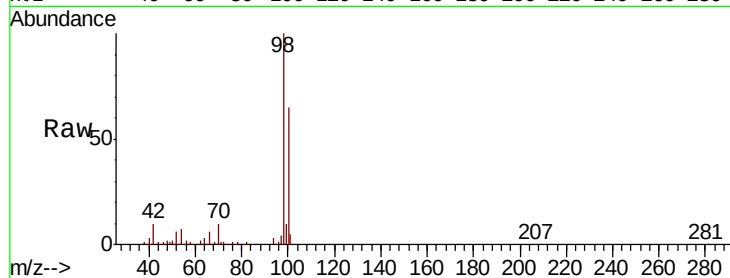
ClientSampleId :

Tot Ion: 98 Resp: 122735

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 19.544 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

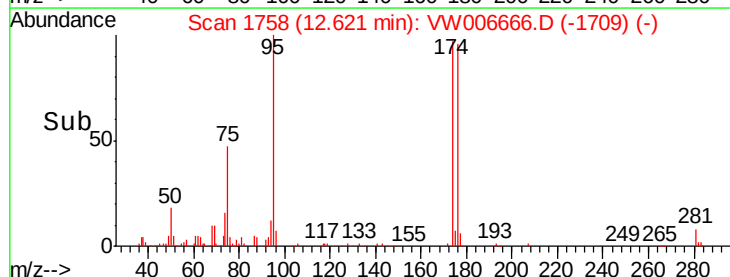
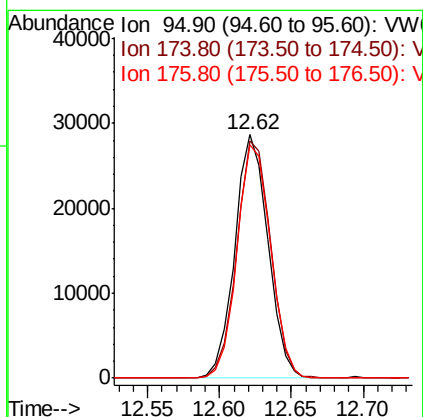
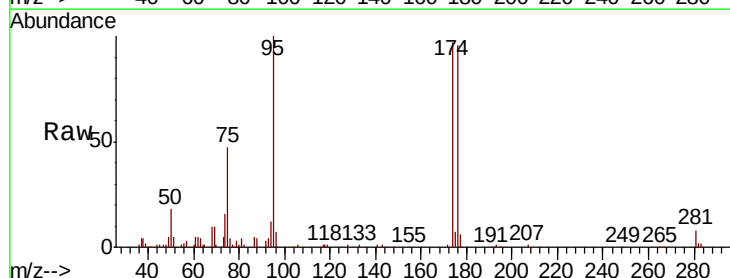
Tgt Ion: 95 Resp: 46023

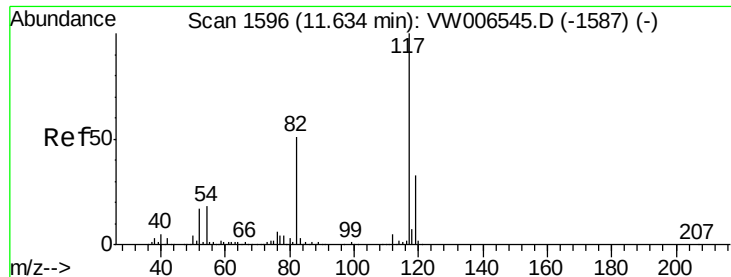
Ion Ratio Lower Upper

95 100

174 99.1 0.0 192.4

176 96.8 0.0 187.4

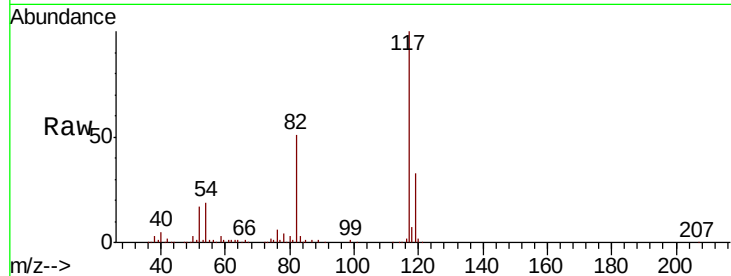




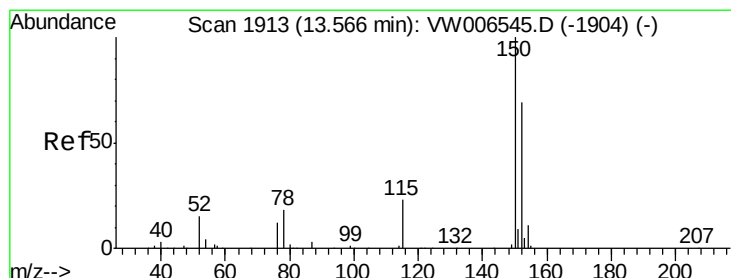
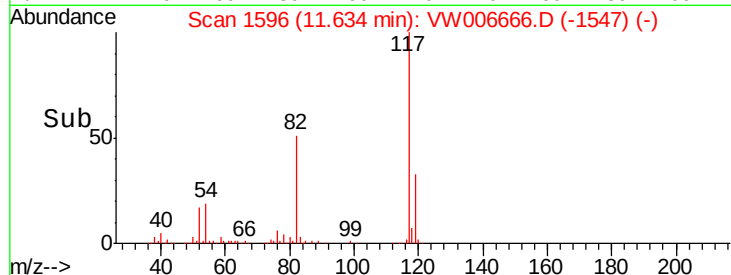
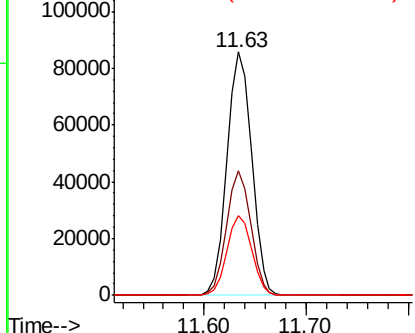
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 143851
Ion Ratio Lower Upper
117 100
82 51.3 40.8 61.2
119 32.5 26.1 39.1

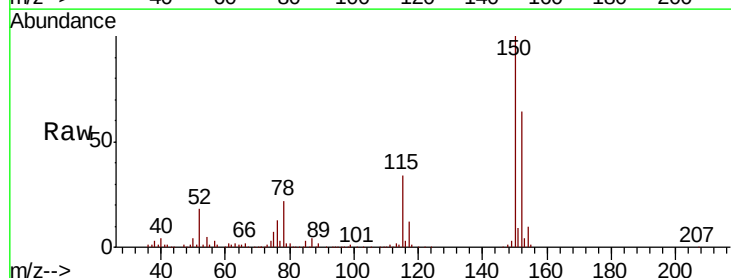


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

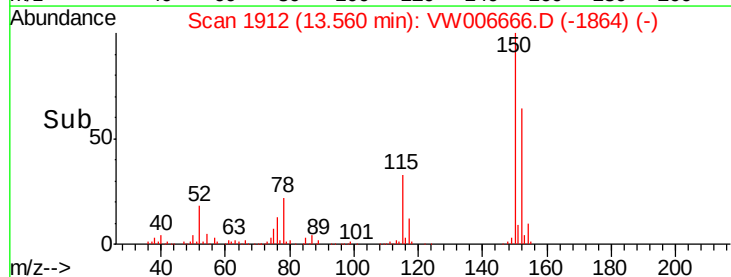
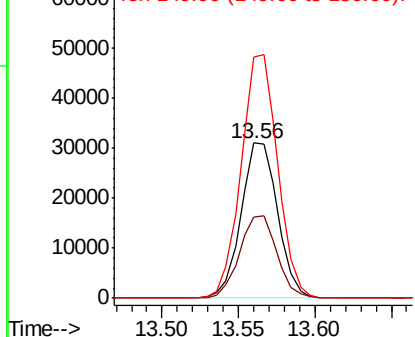


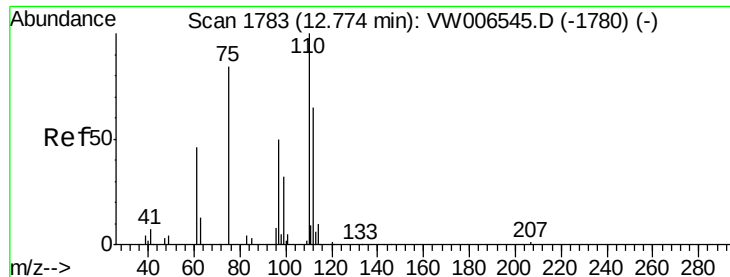
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006666.D
Acq: 06 Nov 2018 05:54

Tgt Ion:152 Resp: 51511
Ion Ratio Lower Upper
152 100
115 54.2 26.6 79.8
150 156.5 0.0 344.6



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: 54.483 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA_W

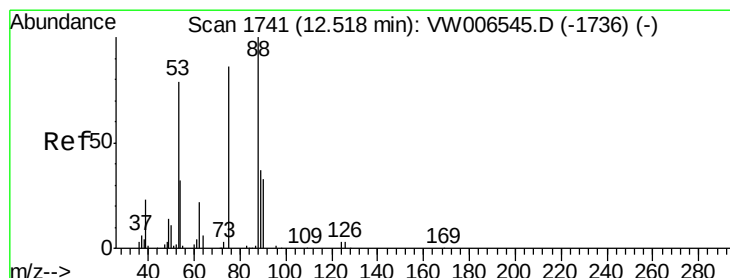
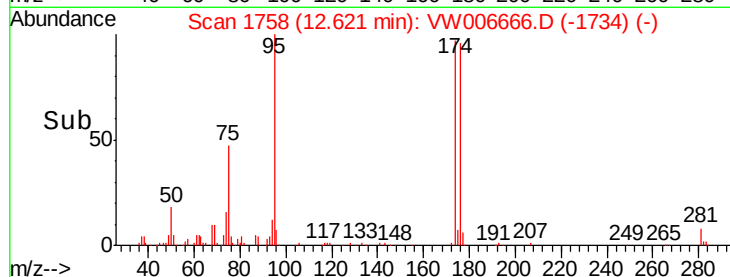
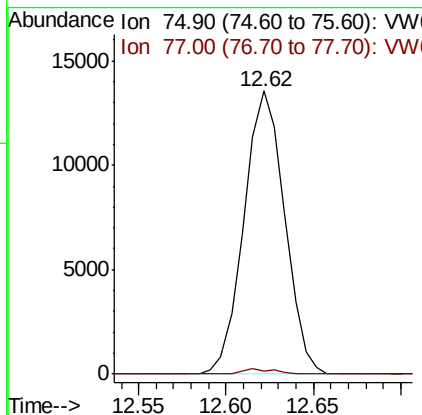
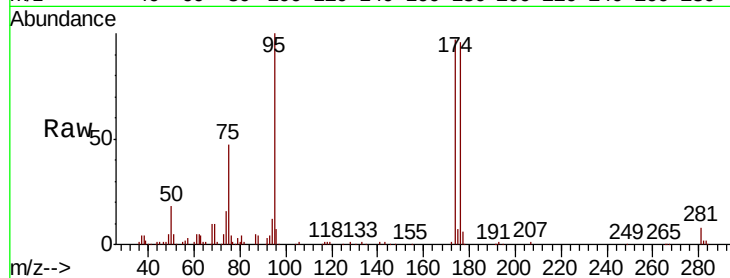
ClientSampled :

Tot Ion: 75 Resp: 21897

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.248 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

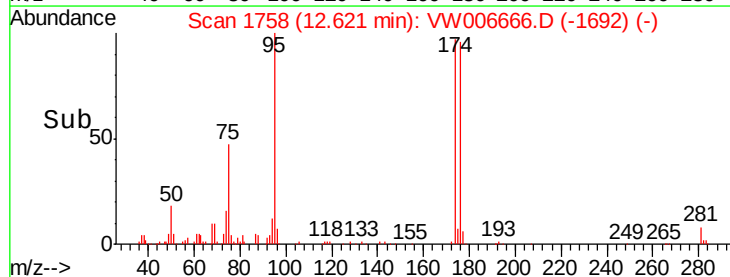
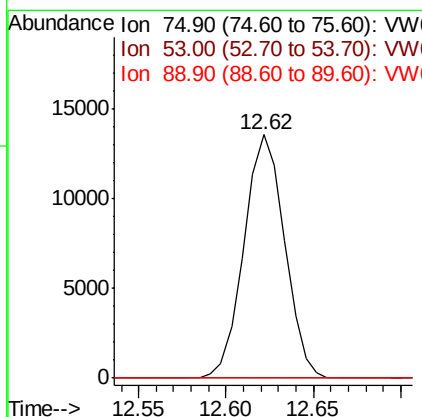
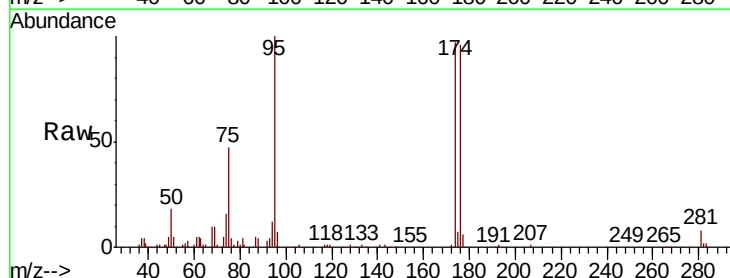
Tgt Ion: 75 Resp: 21897

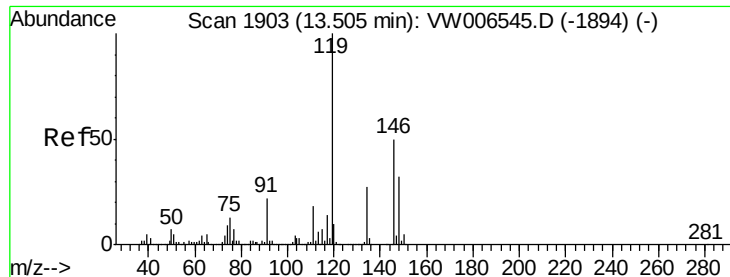
Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

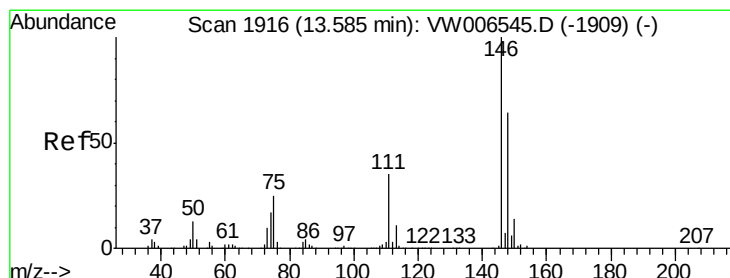
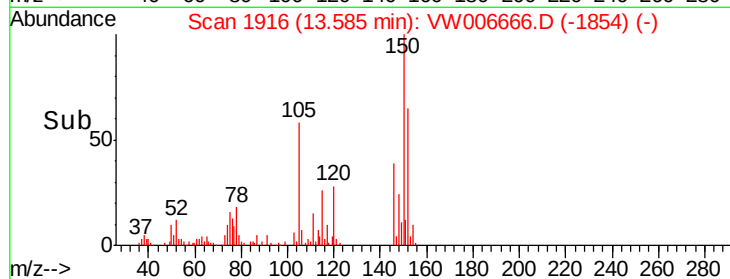
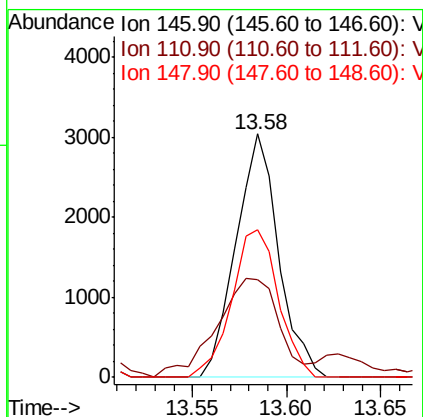
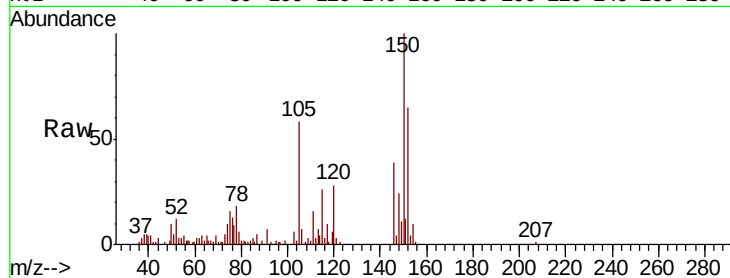




#87
 1,3-Dichlorobenzene
 Concen: 2.751 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.08 min
 Lab File: VW006666.D
 Acq: 06 Nov 2018 05:54

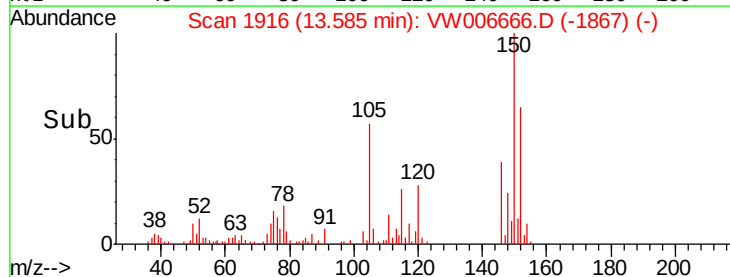
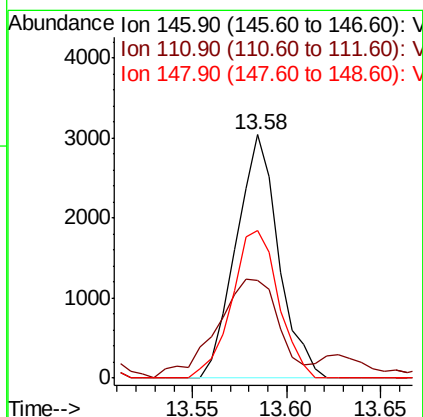
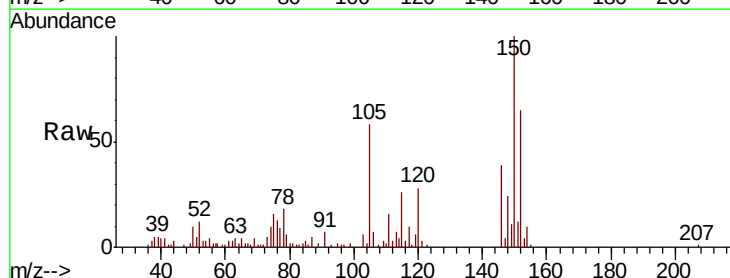
Instrument :
 MSVOA_W
 ClientSampleId :

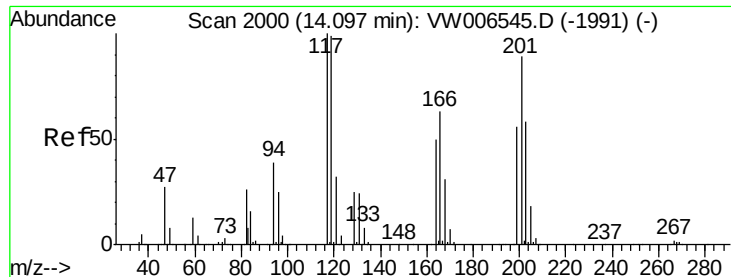
Tot Ion:146 Resp: 4760
 Ion Ratio Lower Upper
 146 100
 111 59.6 18.6 55.6#
 148 66.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 2.775 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006666.D
 Acq: 06 Nov 2018 05:54

Tgt Ion:146 Resp: 4760
 Ion Ratio Lower Upper
 146 100
 111 59.6 17.9 53.7#
 148 66.6 32.1 96.5





#90

Hexachloroethane

Concen: 2.956 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:117 Resp: 1574

Ion Ratio Lower Upper

117 100

201 0.0 46.8 140.3#

