

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006289.D
 Acq On : 23 Oct 2018 09:39
 Operator : VA/AP
 Sample : J5624-05
 Misc : 4.39G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 14:35:11 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	22501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	41211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	35693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	12307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13736	73.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.26%	
35) Dibromofluoromethane	7.88	113	1271	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.33	98	25193	27.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.38%	
62) 4-Bromofluorobenzene	12.62	95	9127	26.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.46%	

Target Compounds

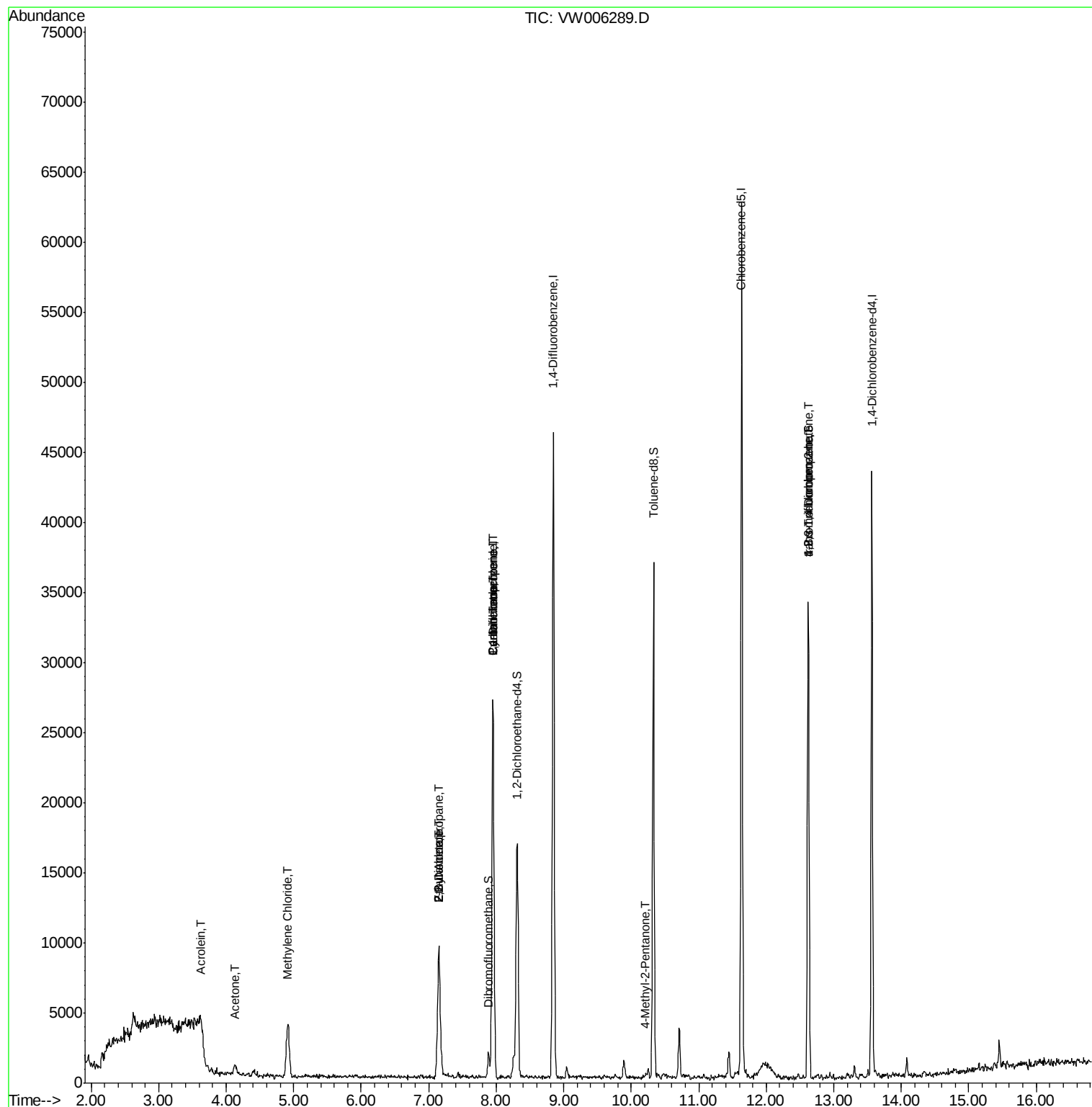
					Qvalue	
13) Acrolein	3.63	56	57	4.695	ug/l #	16
16) Acetone	4.12	43	1428	27.636	ug/l	99
20) Methylene Chloride	4.91	84	3031	14.190	ug/l #	87
25) 2-Butanone	7.14	43	350	6.945	ug/l #	46
26) 2,2-Dichloropropane	7.15	77	597	2.469	ug/l #	51
31) Cyclohexane	7.96	56	399	1.169	ug/l #	24
36) 1,1-Dichloropropene	7.96	75	1591	4.188	ug/l #	41
37) Ethyl Acetate	7.14	43	350	2.480	ug/l #	1
38) Carbon Tetrachloride	7.95	117	2075	4.983	ug/l #	19
51) 4-Methyl-2-Pentanone	10.22	43	260	1.798	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	4772	50.765	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	4772	121.349	ug/l #	10

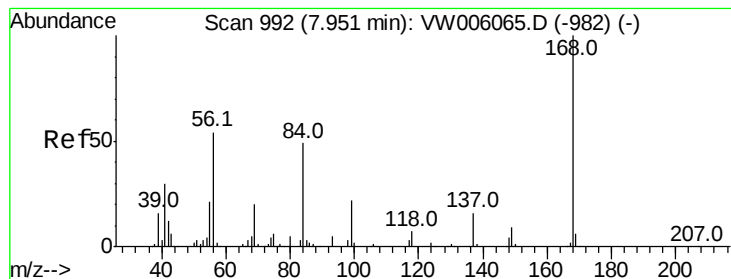
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
ClientSampleId :

Quant Time: Oct 23 14:35:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
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: VW006289.D

Acq: 23 Oct 2018 09:39

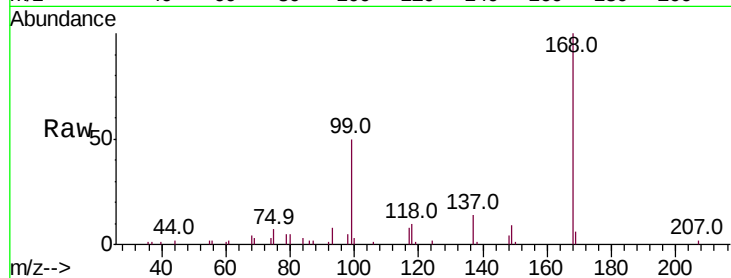
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 22501

Ion Ratio Lower Upper

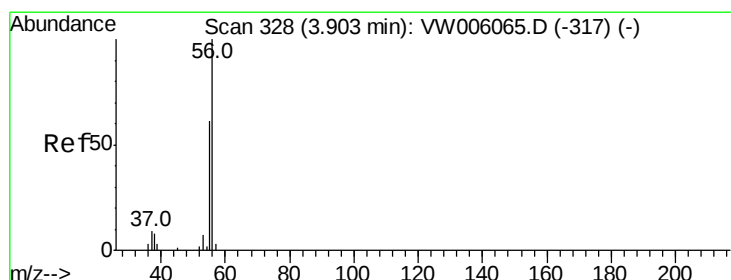
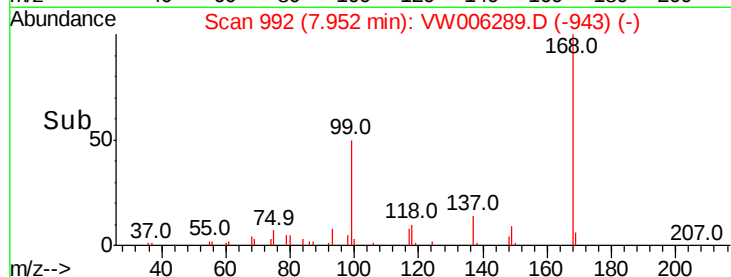
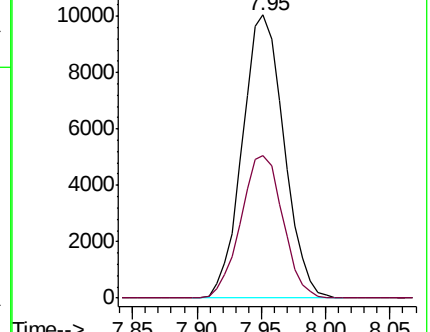
168 100

99 50.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 4.695 ug/l

RT: 3.63 min Scan# 283

Delta R.T. -0.27 min

Lab File: VW006289.D

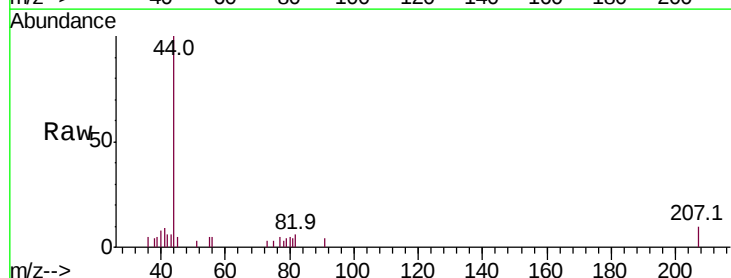
Acq: 23 Oct 2018 09:39

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

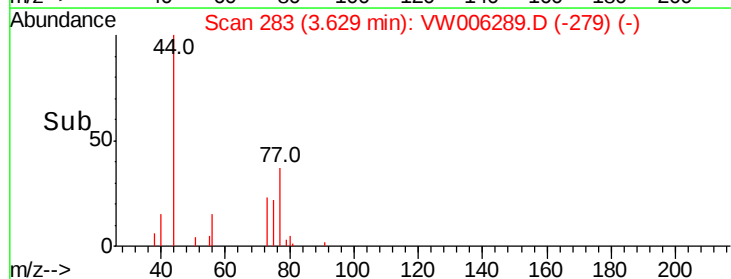
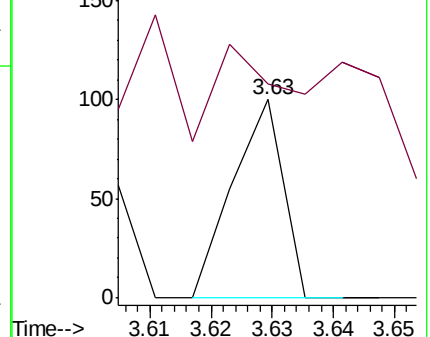
56 100

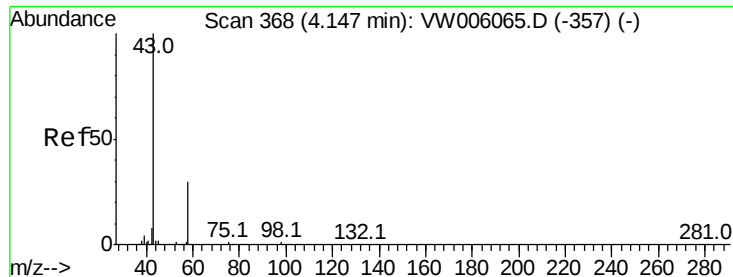
55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 27.636 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :

MSVOA_W

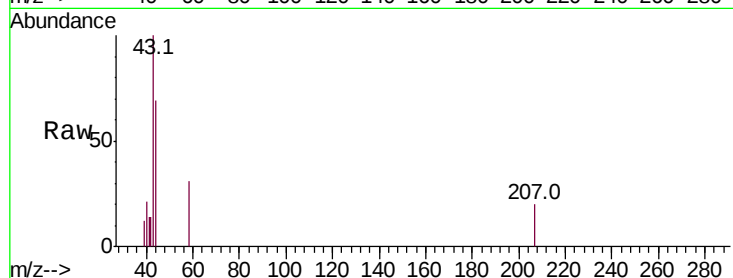
ClientSampled :

Tot Ion: 43 Resp: 1428

Ion Ratio Lower Upper

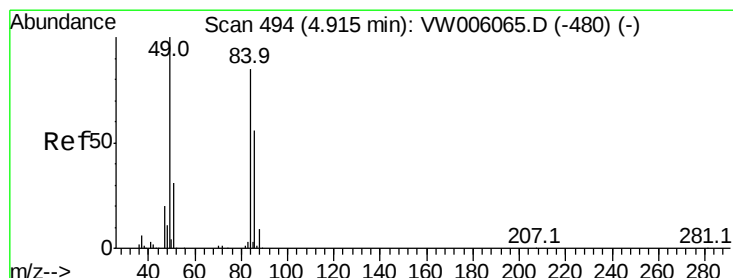
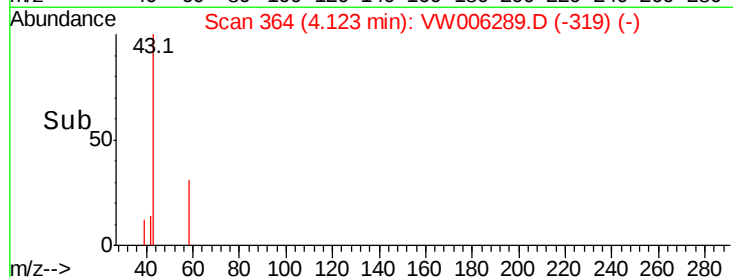
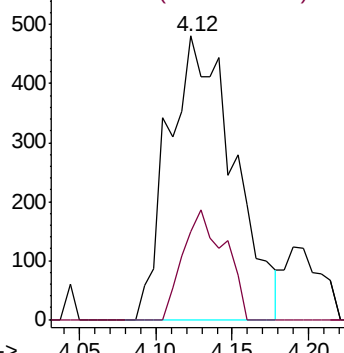
43 100

58 30.8 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 14.190 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Tgt Ion: 84 Resp: 3031

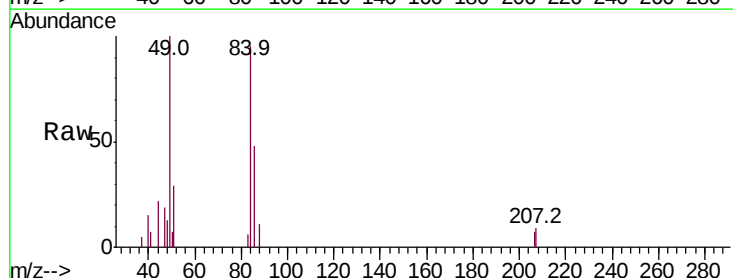
Ion Ratio Lower Upper

84 100

49 105.7 93.6 140.4

51 30.6 29.0 43.4

86 50.5 52.6 79.0#

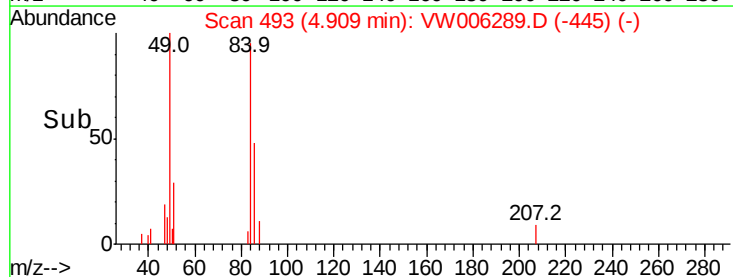
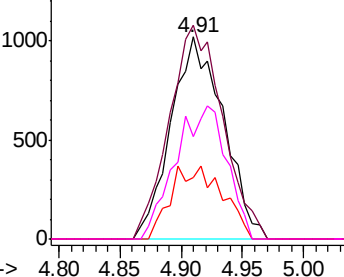


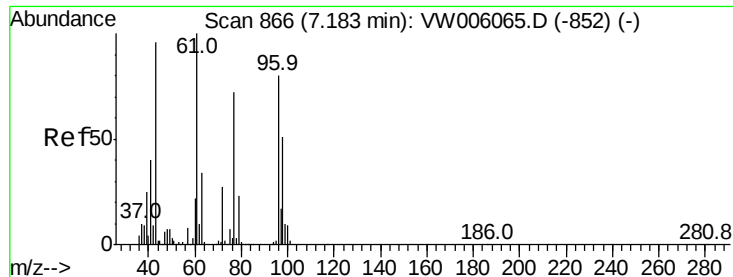
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#25

2-Butanone

Concen: 6.945 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

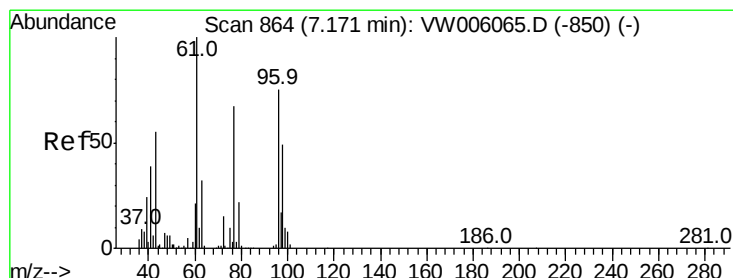
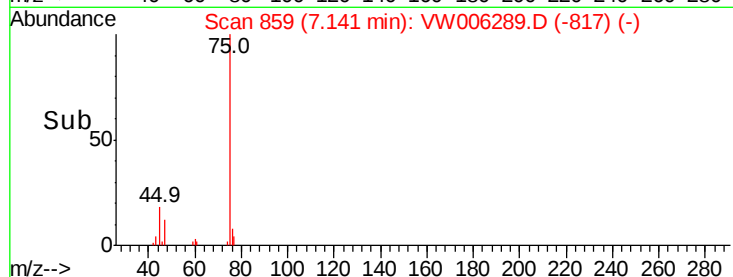
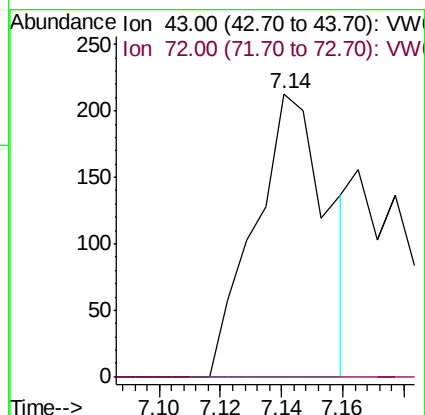
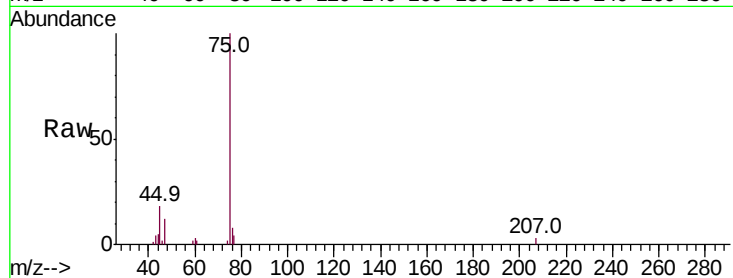
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 350

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



#26

2,2-Dichloropropane

Concen: 2.469 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW006289.D

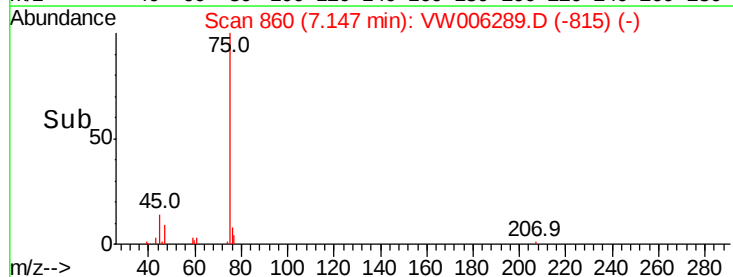
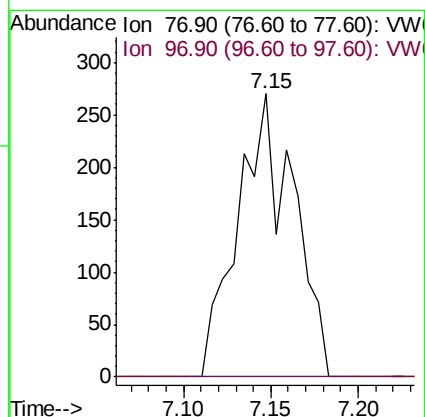
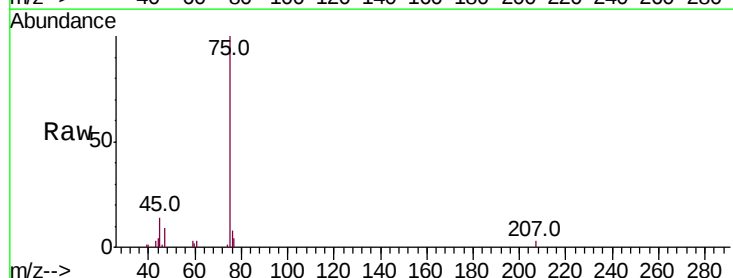
Acq: 23 Oct 2018 09:39

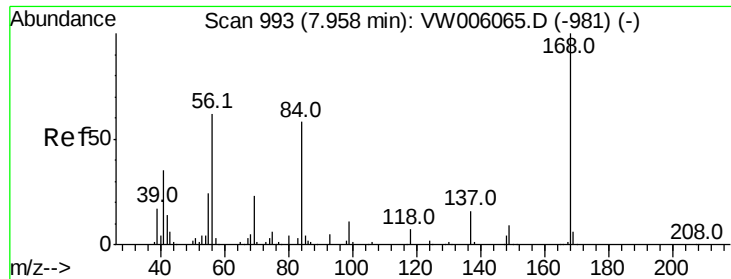
Tgt Ion: 77 Resp: 597

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.4#





#31

Cvclohexane

Concen: 1.169 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :
MSVOA_W
ClientSampled :

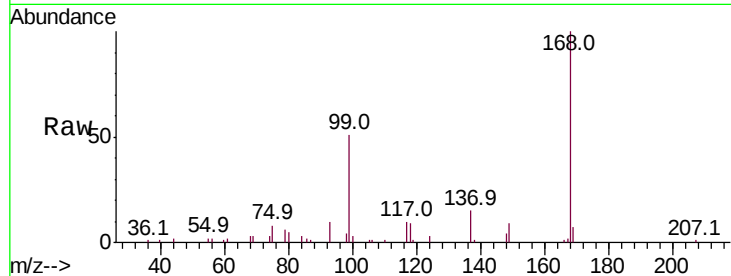
Tot Ion: 56 Resp: 399

Ion Ratio Lower Upper

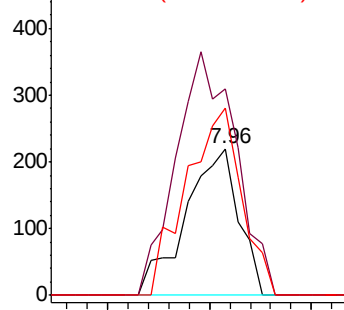
56 100

69 140.9 29.4 44.0#

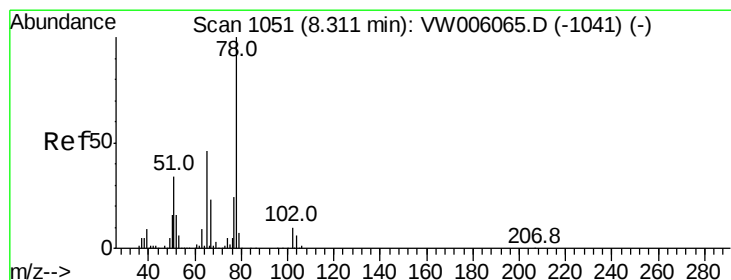
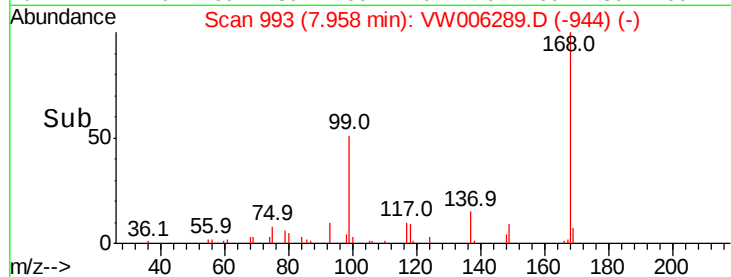
84 127.7 74.0 111.0#



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



Time-->



#33

1,2-Dichloroethane-d4

Concen: 73.633 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006289.D

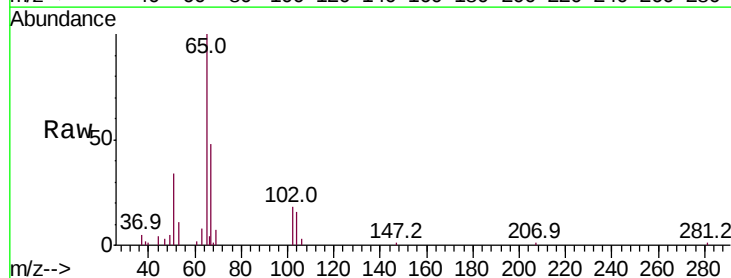
Acq: 23 Oct 2018 09:39

Tgt Ion: 65 Resp: 13736

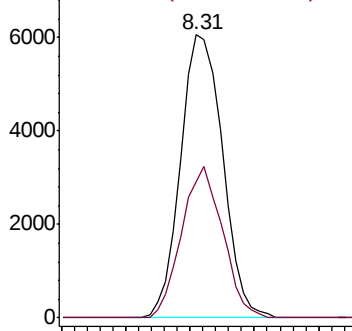
Ion Ratio Lower Upper

65 100

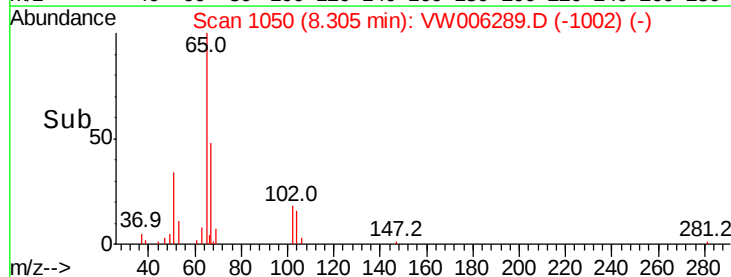
67 52.1 0.0 101.0

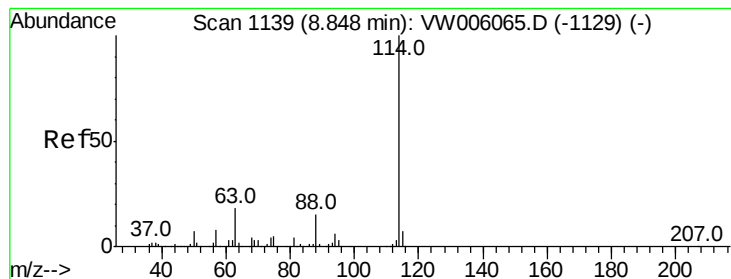


Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :

MSVOA_W

ClientSampled :

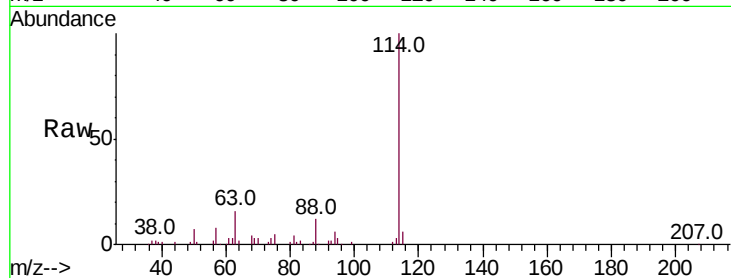
Tot Ion:114 Resp: 41211

Ion Ratio Lower Upper

114 100

63 16.3 0.0 36.8

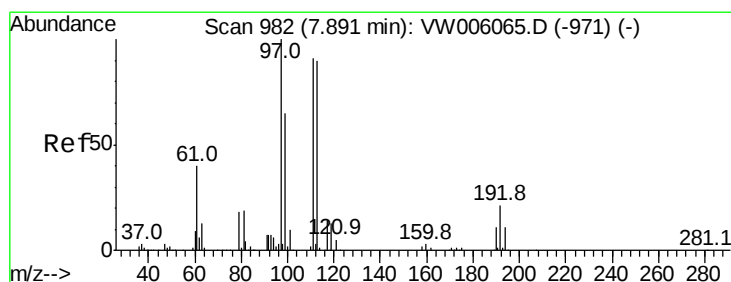
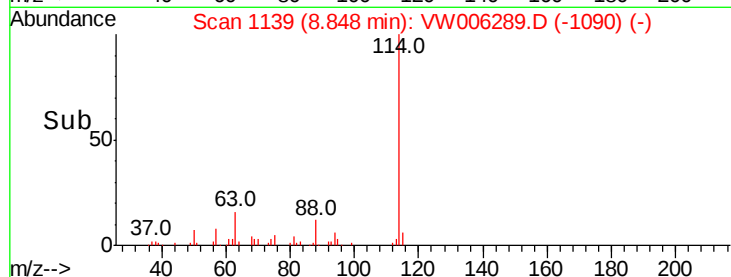
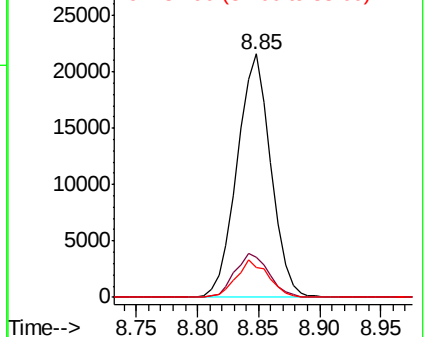
88 12.1 0.0 29.0



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: 5.219 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

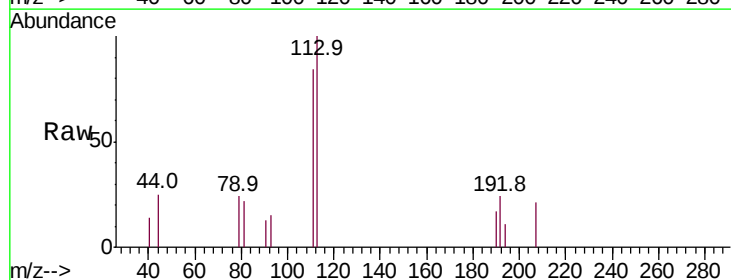
Tgt Ion:113 Resp: 1271

Ion Ratio Lower Upper

113 100

111 113.5 81.4 122.0

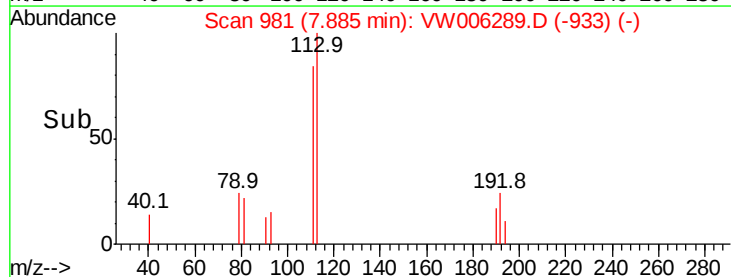
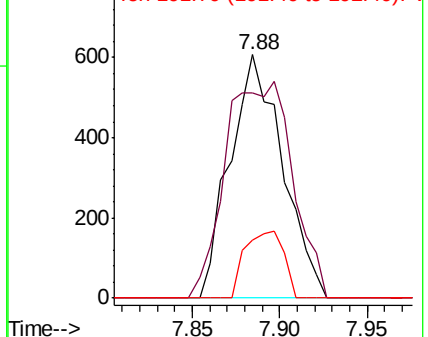
192 20.3 18.7 28.1

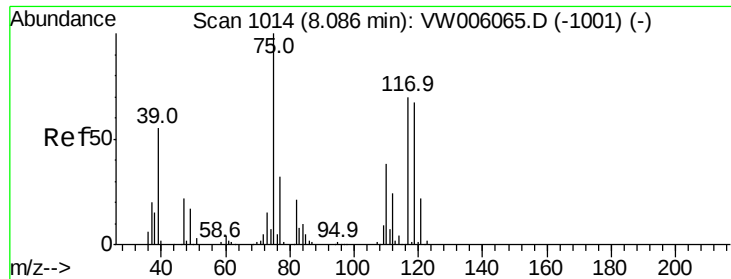


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

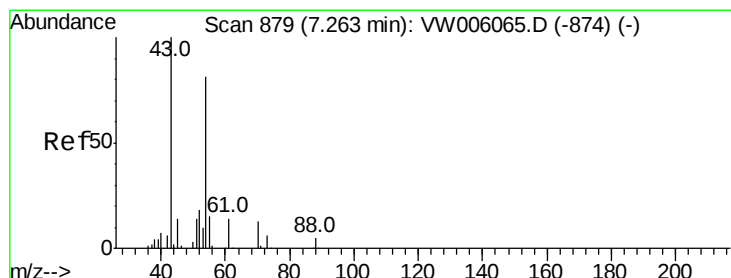
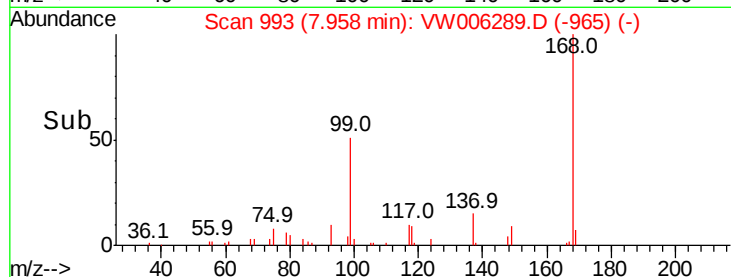
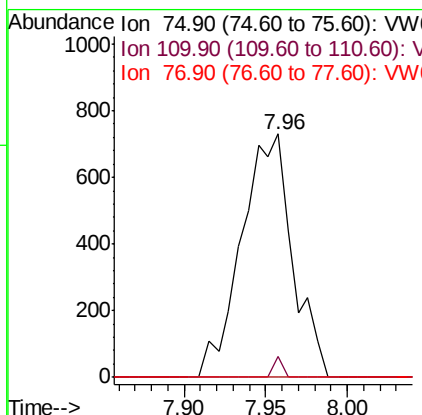
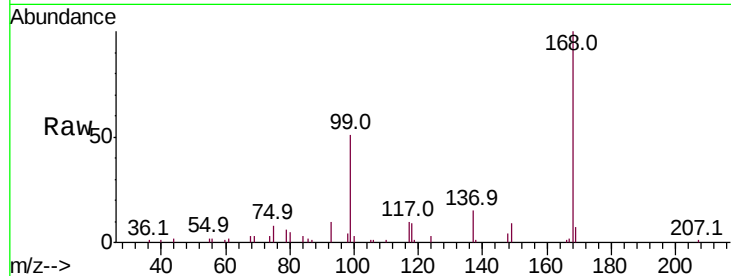




#36
 1,1-Dichloropropene
 Concen: 4.188 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW006289.D
 Acq: 23 Oct 2018 09:39

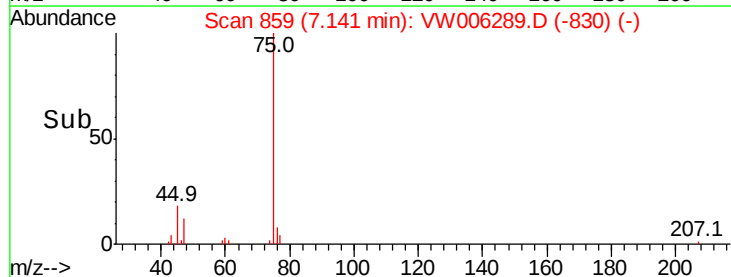
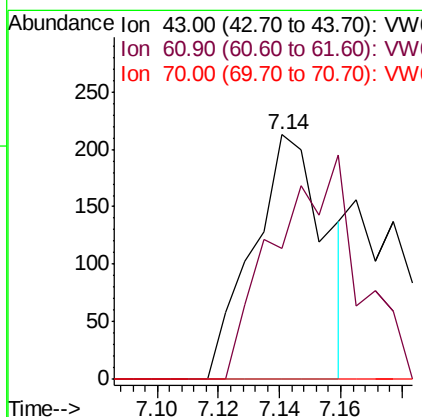
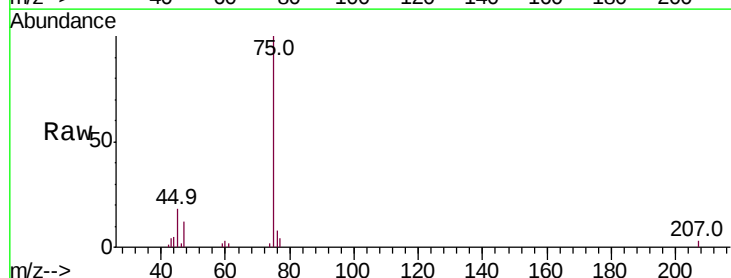
Instrument :
 MSVOA_W
 ClientSampled :

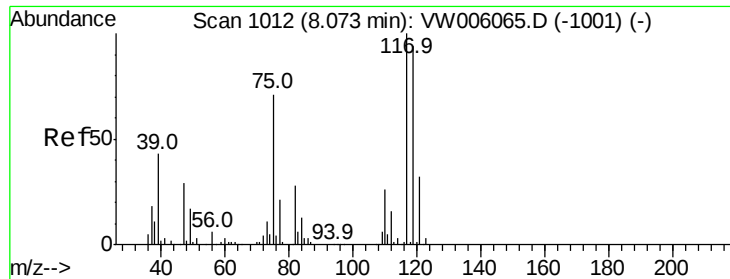
Tot Ion: 75 Resp: 1591
 Ion Ratio Lower Upper
 75 100
 110 1.4 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 2.480 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.12 min
 Lab File: VW006289.D
 Acq: 23 Oct 2018 09:39

Tgt Ion: 43 Resp: 350
 Ion Ratio Lower Upper
 43 100
 61 105.1 11.5 17.3#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :

MSVOA_W

ClientSampled :

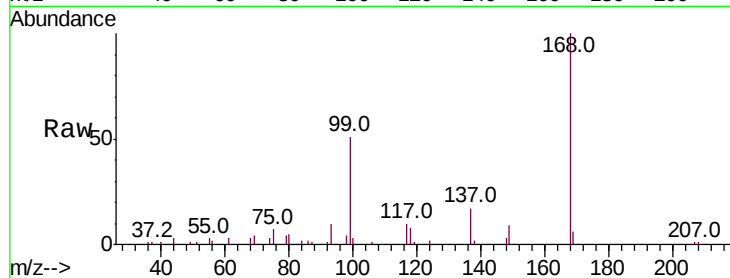
Tot Ion:117 Resp: 2075

Ion Ratio Lower Upper

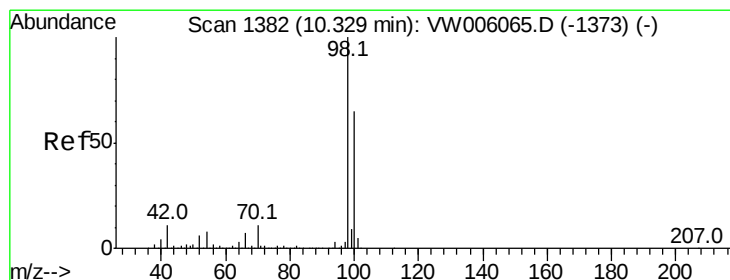
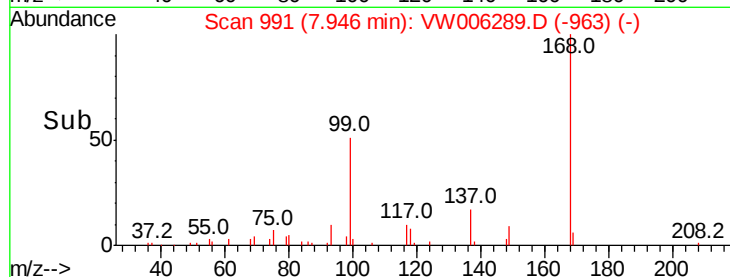
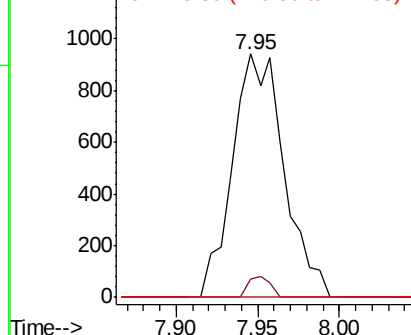
117 100

119 7.7 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



#50

Toluene-d8

Concen: 27.193 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006289.D

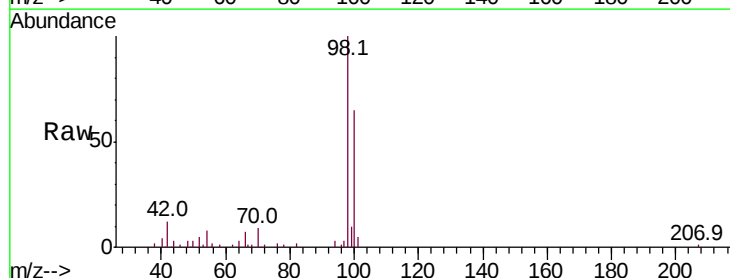
Acq: 23 Oct 2018 09:39

Tgt Ion: 98 Resp: 25193

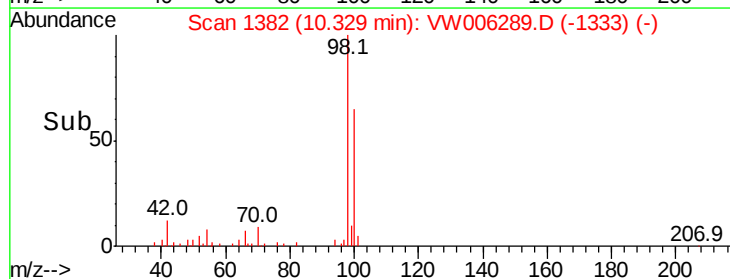
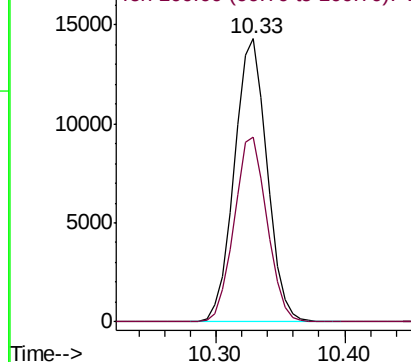
Ion Ratio Lower Upper

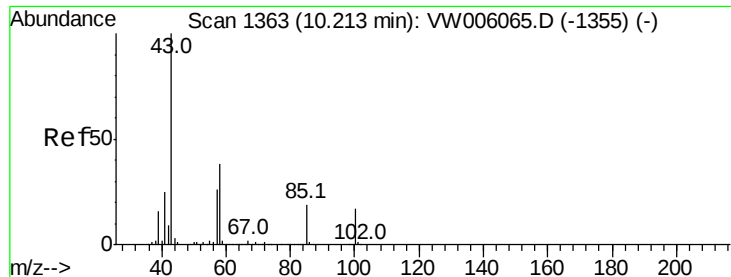
98 100

100 65.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.798 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :

MSVOA_W

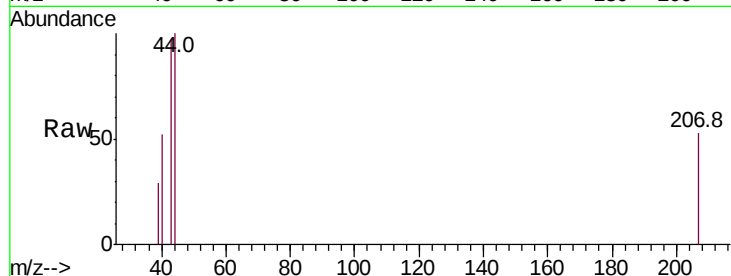
ClientSampleId :

Tot Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

58 8.8 31.5 47.3#



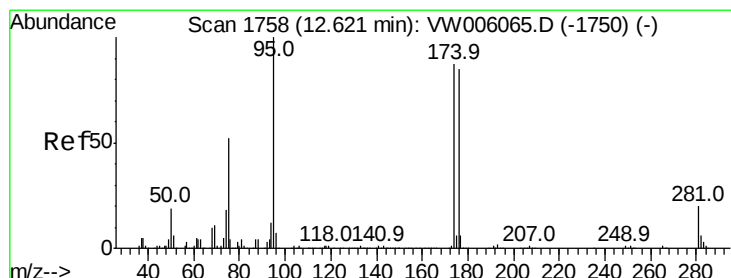
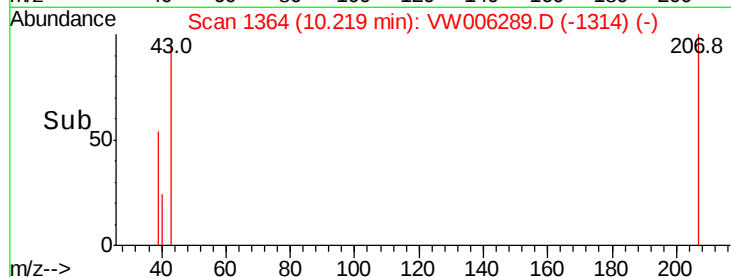
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

10.20 10.25

Time-->



#62

4-Bromofluorobenzene

Concen: 26.230 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

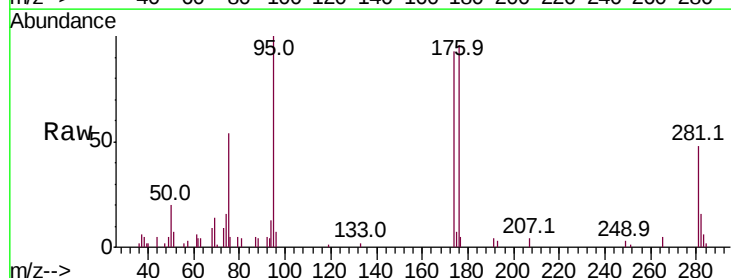
Tgt Ion: 95 Resp: 9127

Ion Ratio Lower Upper

95 100

174 96.5 0.0 186.0

176 92.6 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

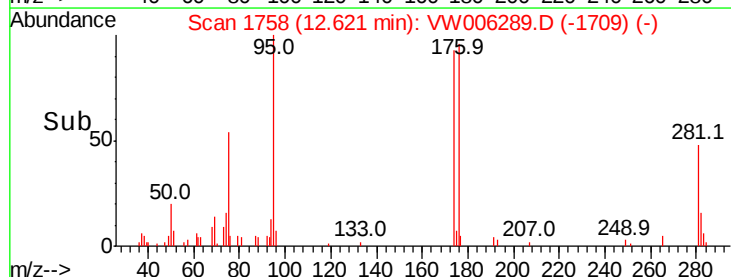
Ion 173.80 (173.50 to 174.50): V

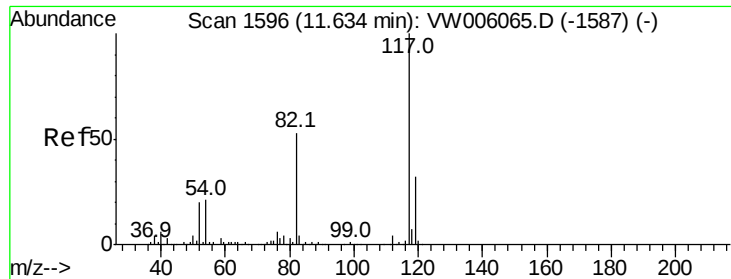
Ion 175.80 (175.50 to 176.50): V

12.62

12.55 12.65 12.70

Time-->

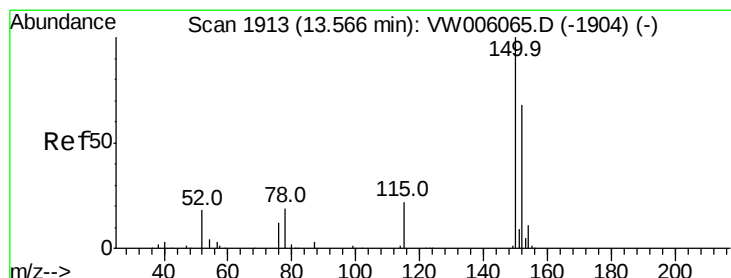
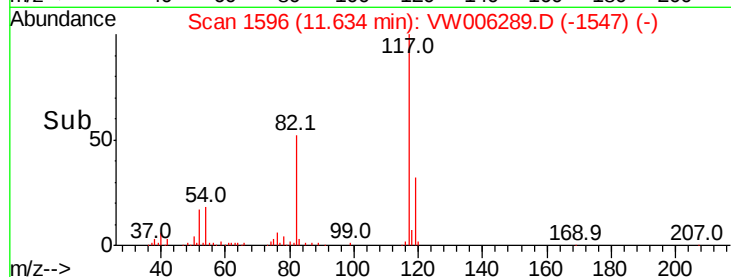
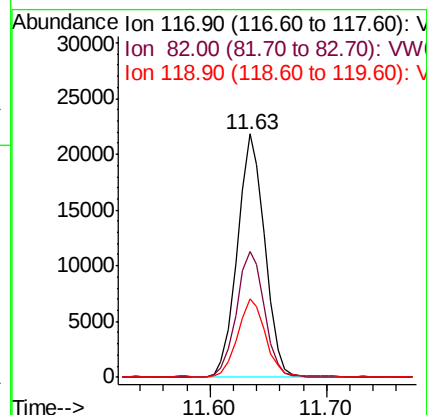
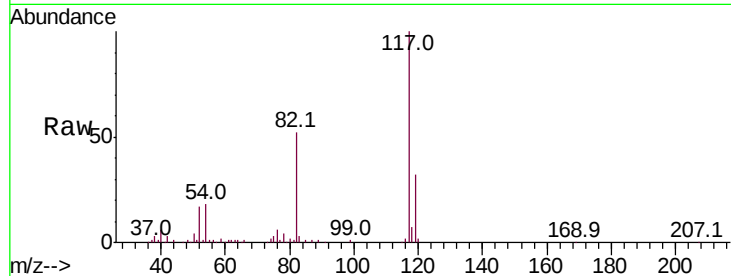




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006289.D
Acq: 23 Oct 2018 09:39

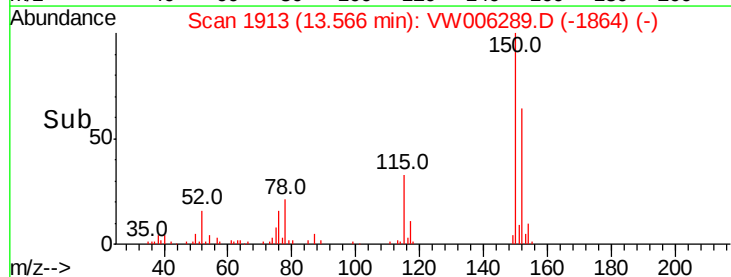
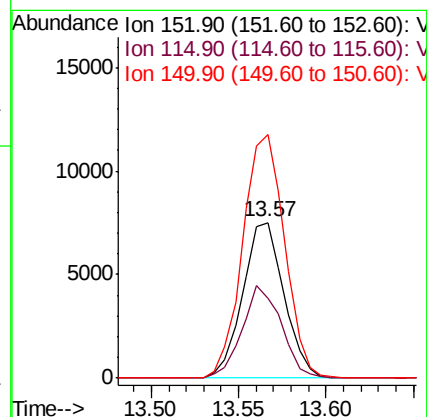
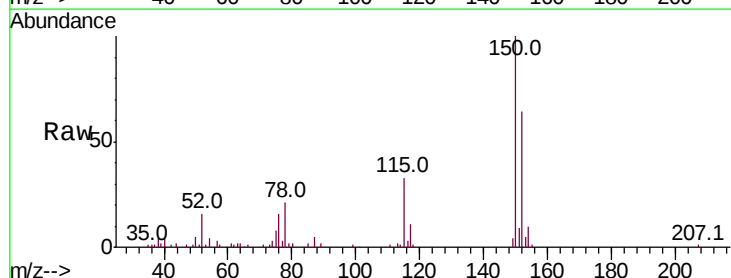
Instrument :
MSVOA_W
ClientSampled :

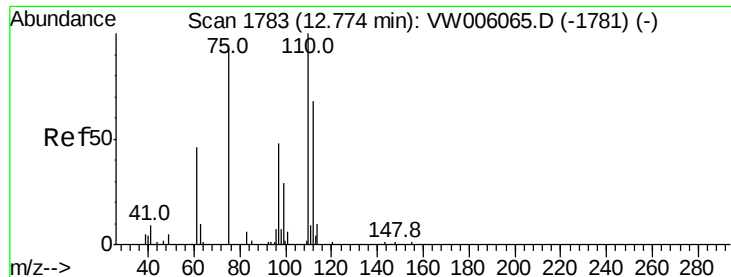
Tot Ion:117 Resp: 35693
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006289.D
Acq: 23 Oct 2018 09:39

Tgt Ion:152 Resp: 12307
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 158.8 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 50.765 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Instrument :

MSVOA_W

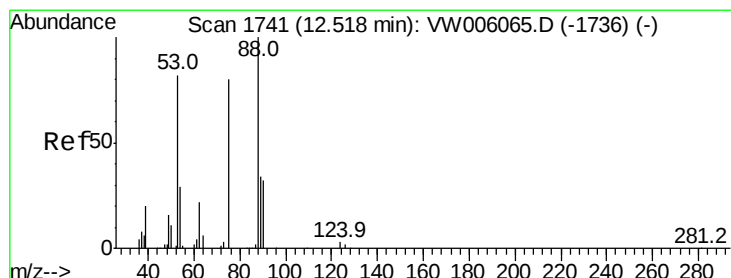
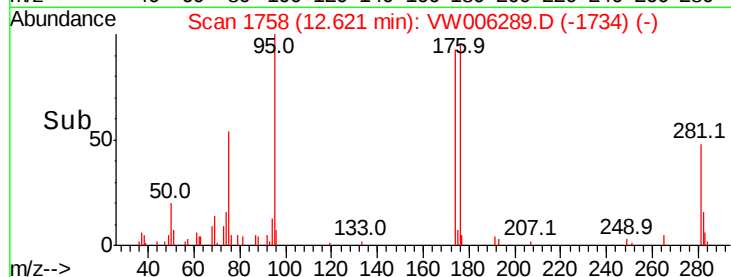
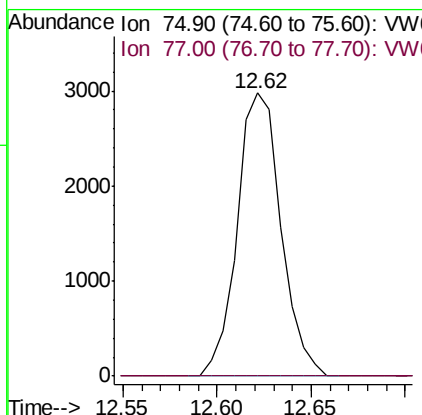
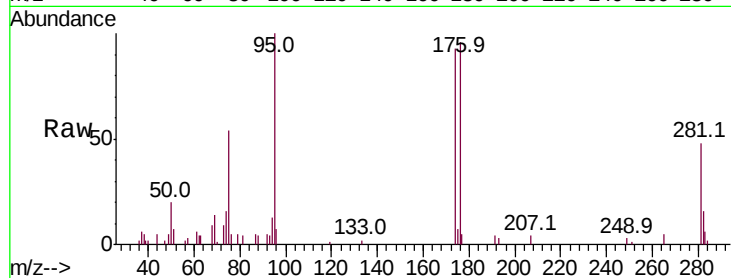
ClientSampleId :

Tot Ion: 75 Resp: 4772

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 121.349 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006289.D

Acq: 23 Oct 2018 09:39

Tgt Ion: 75 Resp: 4772

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#

