

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007902.D
 Acq On : 24 Dec 2018 21:02
 Operator : SY/AP
 Sample : J6447-03
 Misc : 3.58G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:05:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	53377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	83930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15382	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	33282	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	7.88	113	27253	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	10.32	98	80821	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	
62) 4-Bromofluorobenzene	12.62	95	19723	26.45	ug/l	0.00
Spiked Amount			Recovery	=	52.90%	

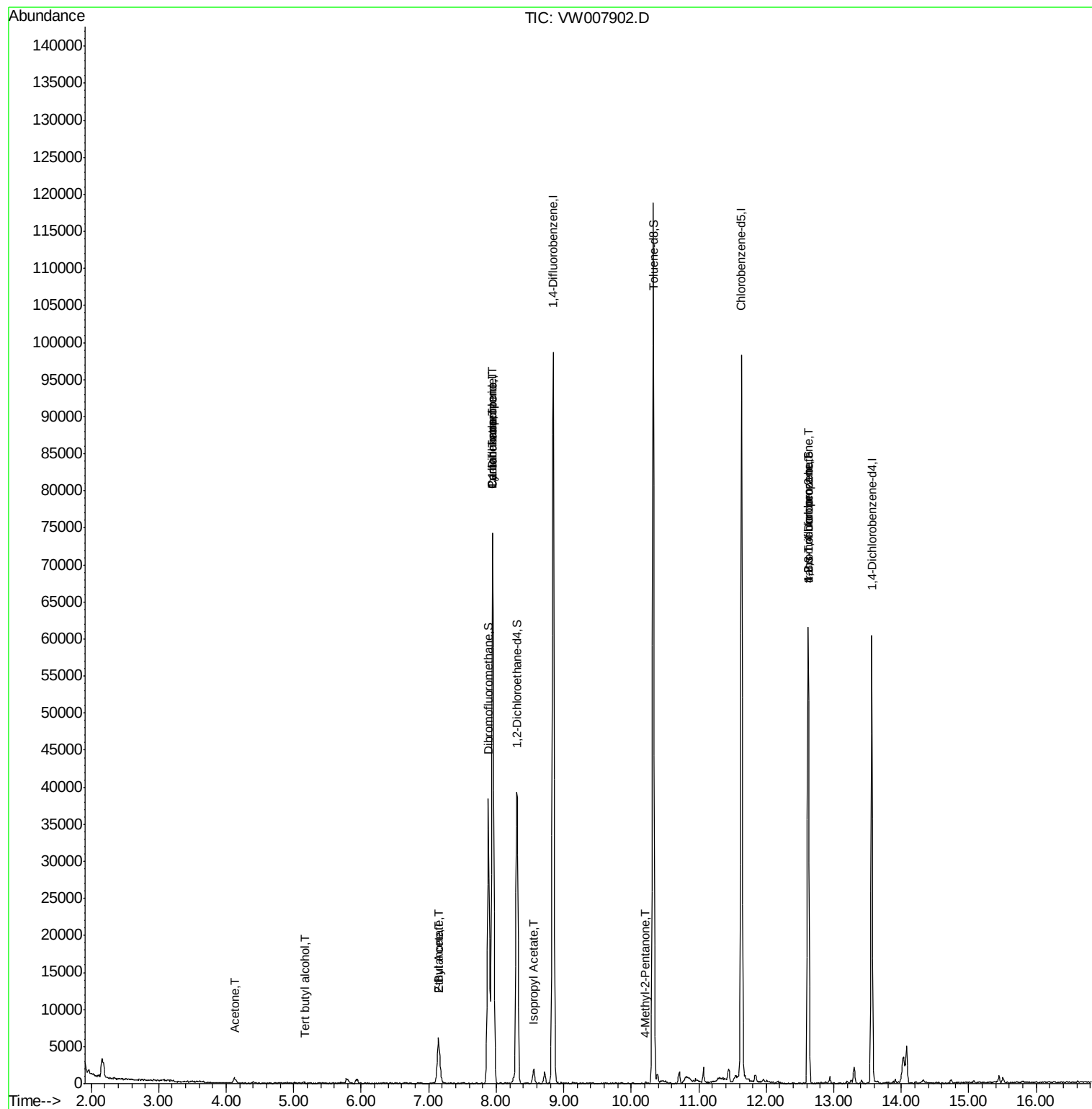
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	58	1.470	ug/l #	73
16) Acetone	4.12	43	1421	12.971	ug/l	92
20) Methylene Chloride	4.90	84	33	Below Cal	#	56
25) 2-Butanone	7.15	43	331	2.580	ug/l #	44
31) Cyclohexane	7.95	56	1133	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3978	4.911	ug/l #	46
37) Ethyl Acetate	7.15	43	331	1.184	ug/l #	57
38) Carbon Tetrachloride	7.95	117	5918	6.203	ug/l #	15
43) Isopropyl Acetate	8.55	43	643	1.148	ug/l #	49
51) 4-Methyl-2-Pentanone	10.22	43	268	1.012	ug/l #	34
76) 1,2,3-Trichloropropane	12.62	75	10403	87.502	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10403	183.673	ug/l #	9

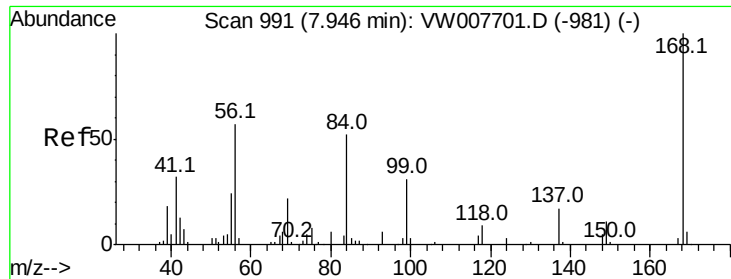
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

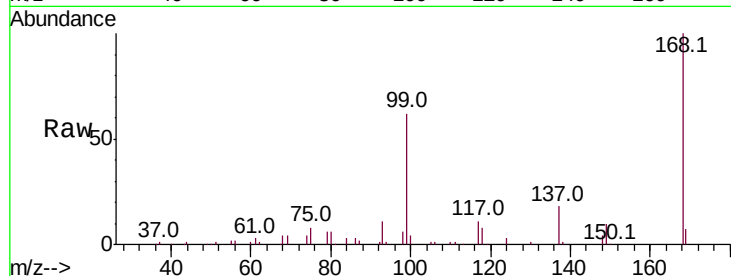
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 53377

Ion Ratio Lower Upper

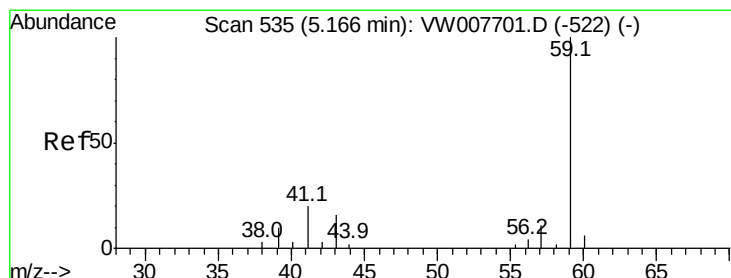
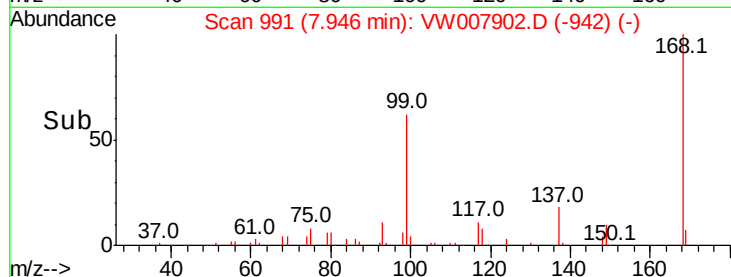
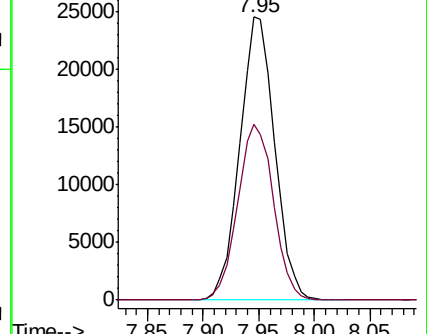
168 100

99 61.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.470 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007902.D

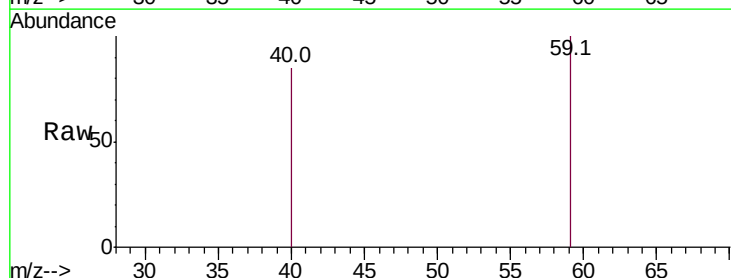
Acq: 24 Dec 2018 21:02

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

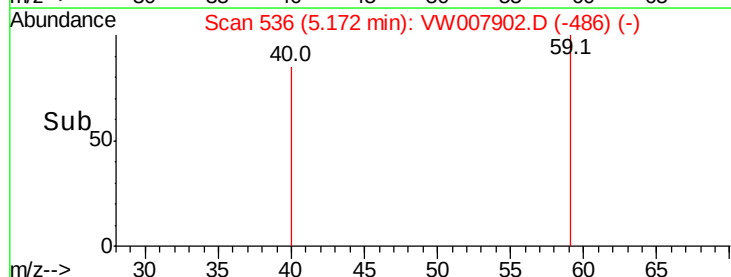
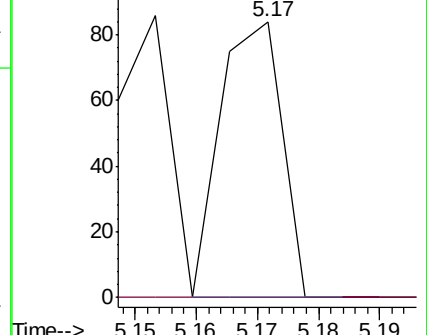
59 100

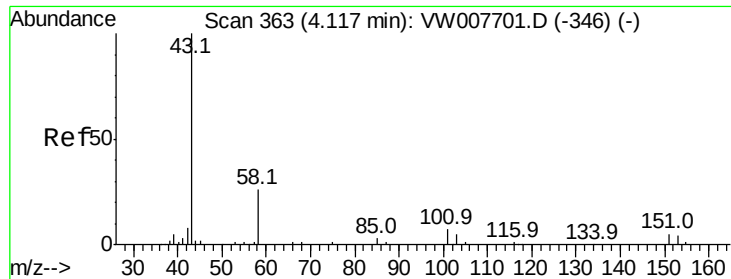
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 12.971 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

Instrument :

MSVOA_W

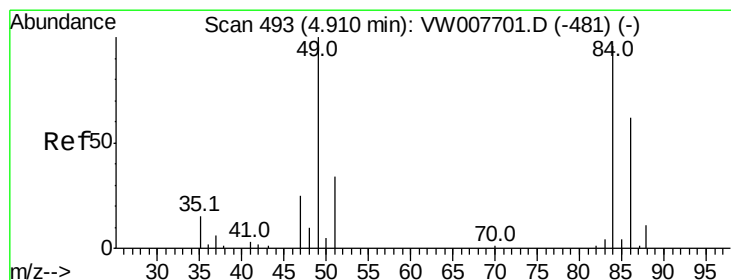
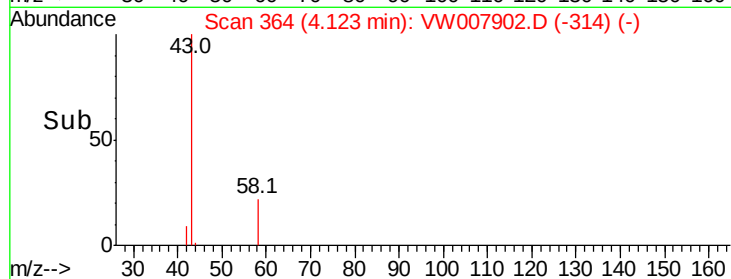
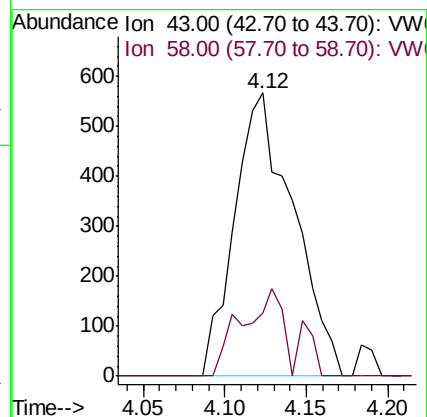
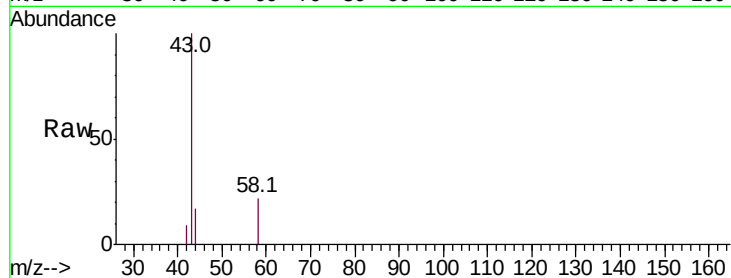
ClientSampled :

Tot Ion: 43 Resp: 1421

Ion Ratio Lower Upper

43 100

58 22.4 21.2 31.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

Tgt Ion: 84 Resp: 33

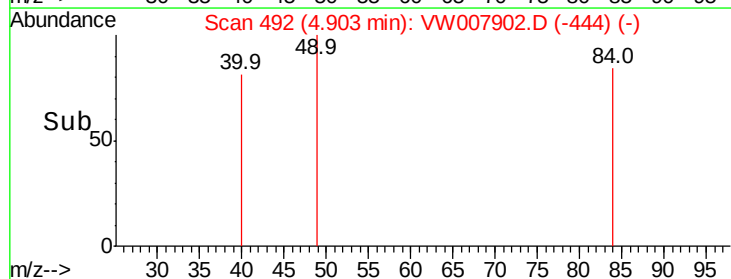
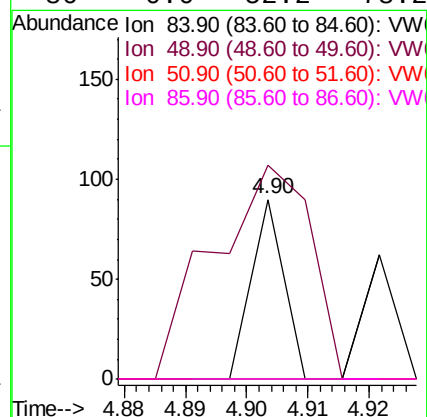
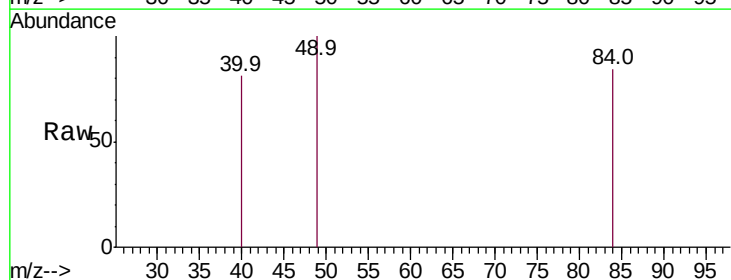
Ion Ratio Lower Upper

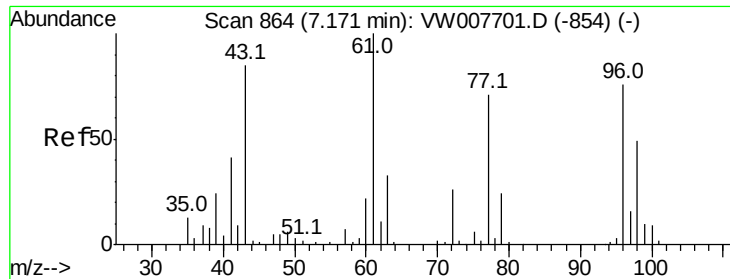
84 100

49 118.9 83.7 125.5

51 0.0 28.2 42.2#

86 0.0 52.2 78.2#





#25

2-Butanone

Concen: 2.580 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

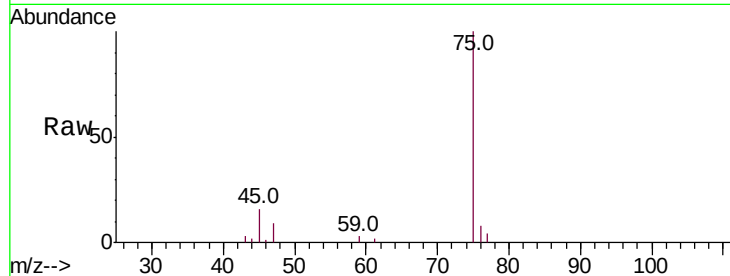
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 331

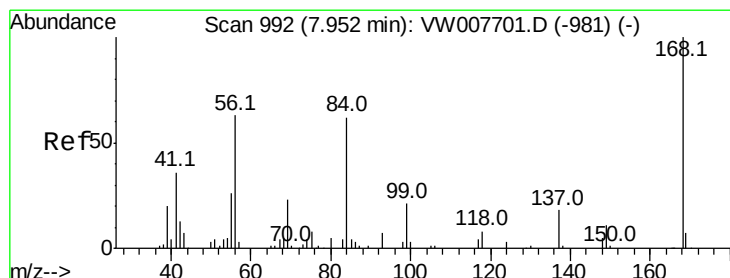
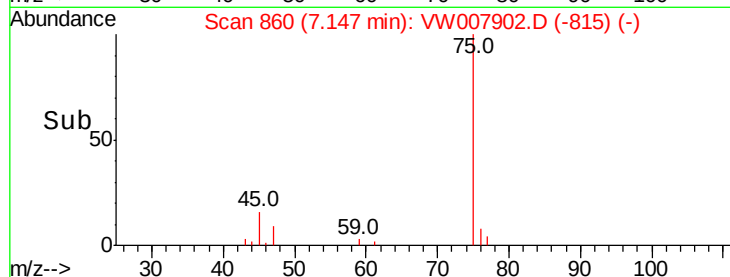
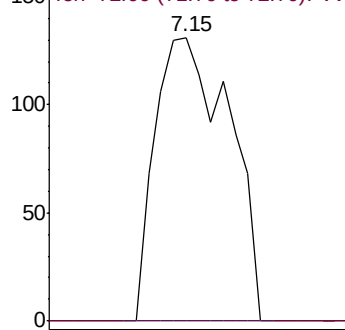
Ion Ratio Lower Upper

43 100

72 0.0 24.5 36.7#



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



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

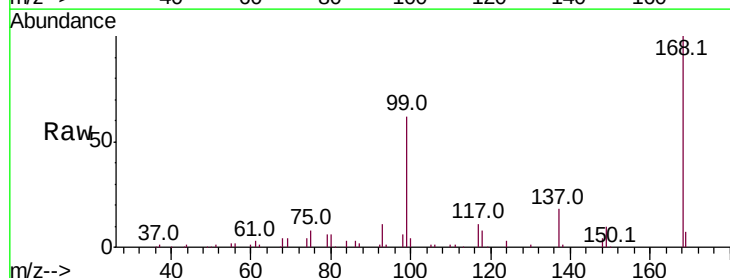
Tgt Ion: 56 Resp: 1133

Ion Ratio Lower Upper

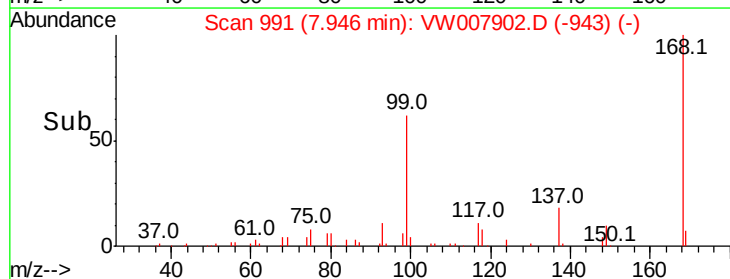
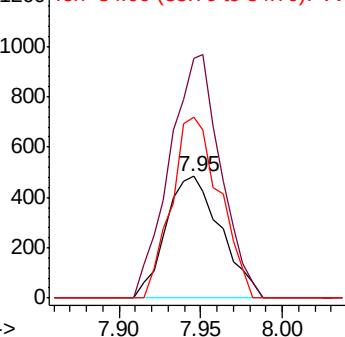
56 100

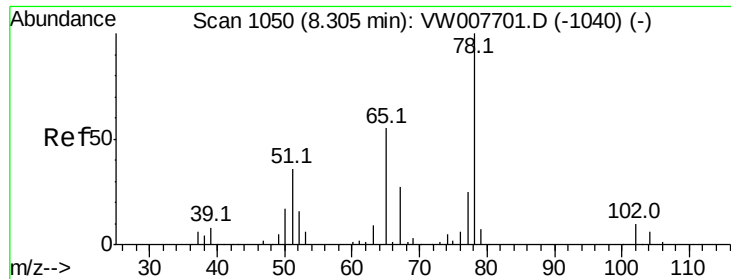
69 197.1 29.7 44.5#

84 148.4 78.9 118.3#



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

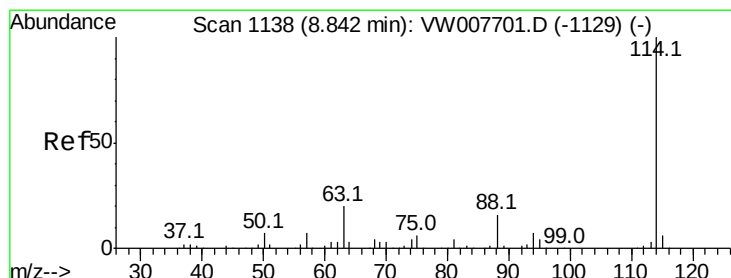
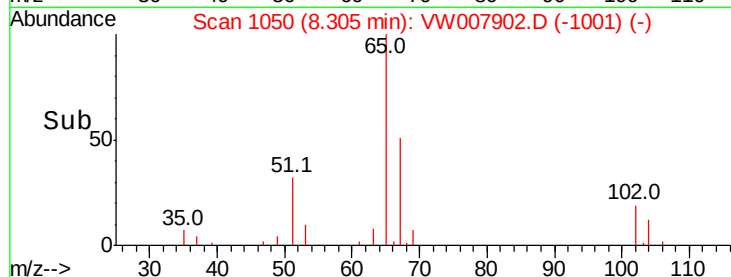
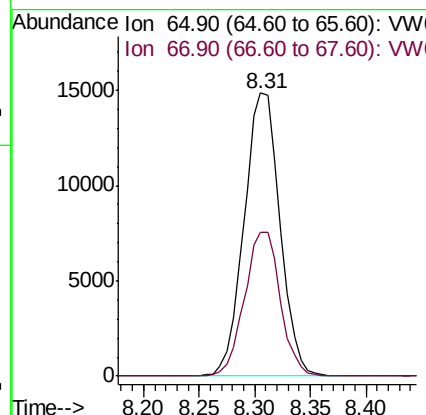
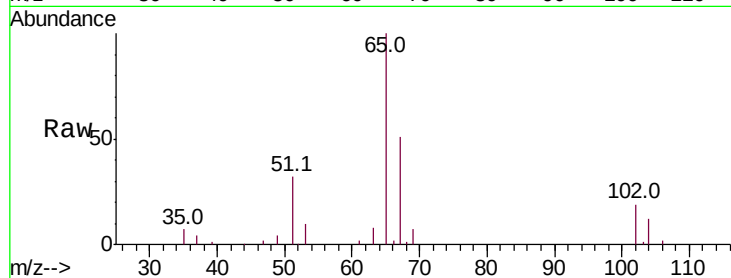




#33
 1,2-Dichloroethane-d4
 Concen: 56.889 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007902.D
 Acq: 24 Dec 2018 21:02

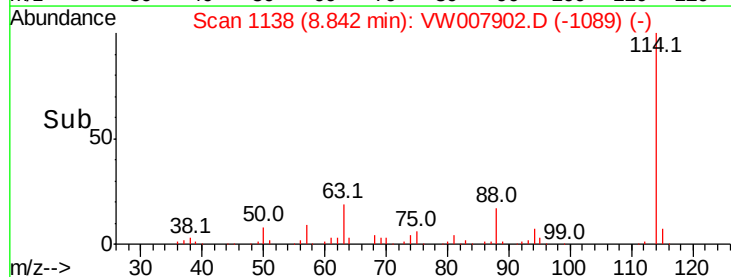
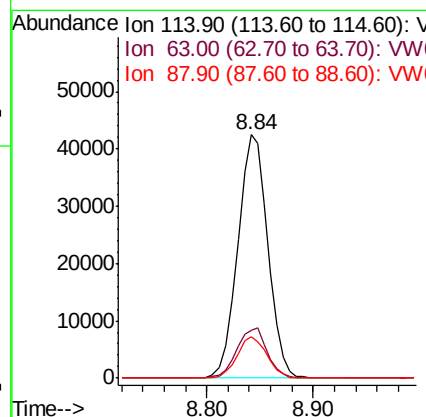
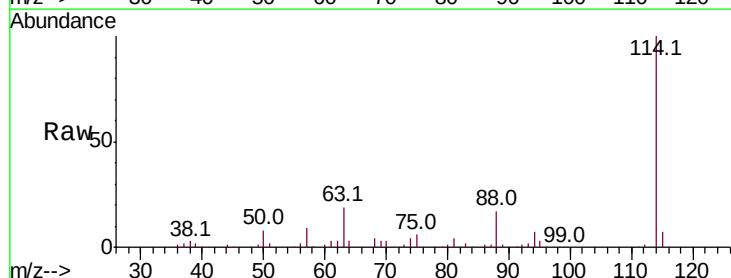
Instrument :
 MSVOA_W
 ClientSampleId :

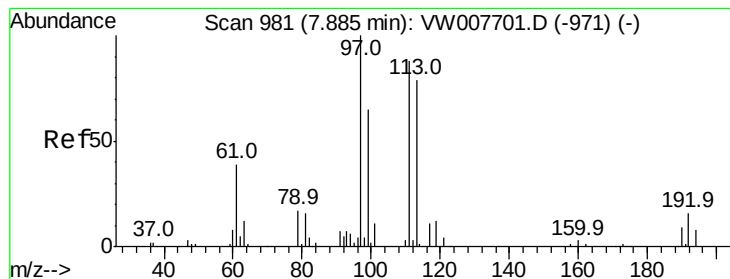
Tot Ion: 65 Resp: 33282
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007902.D
 Acq: 24 Dec 2018 21:02

Tgt Ion:114 Resp: 83930
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.227 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

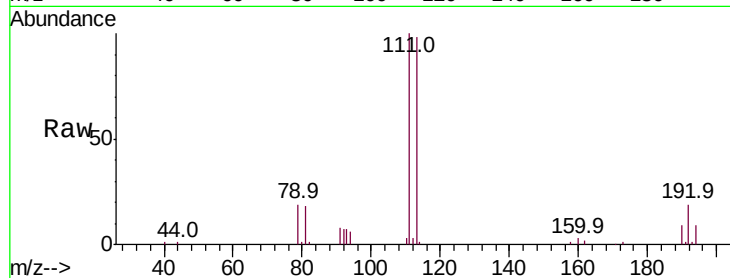
Tot Ion:113 Resp: 27253

Ion Ratio Lower Upper

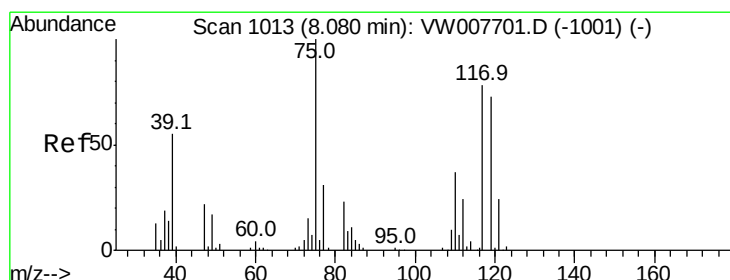
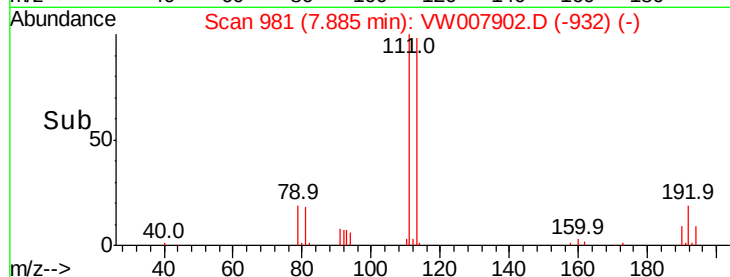
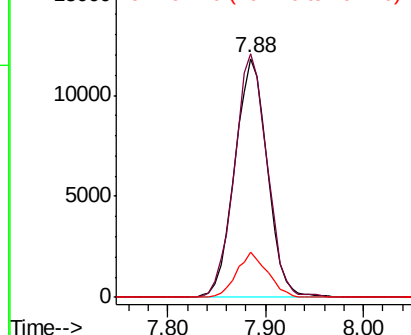
113 100

111 102.4 82.6 124.0

192 17.7 15.5 23.3



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: 4.911 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

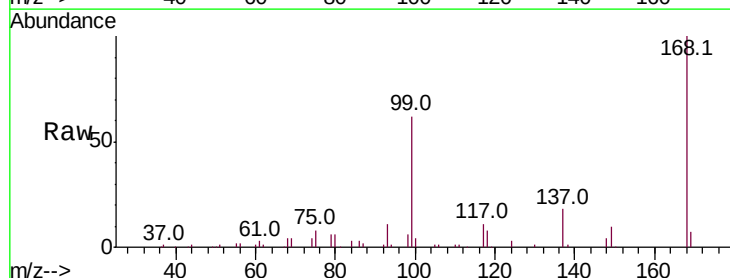
Tgt Ion: 75 Resp: 3978

Ion Ratio Lower Upper

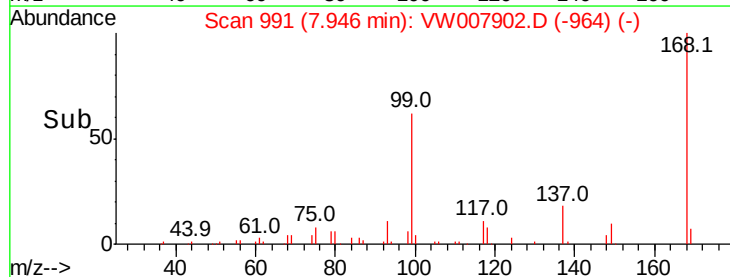
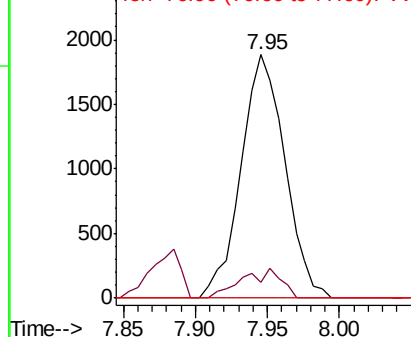
75 100

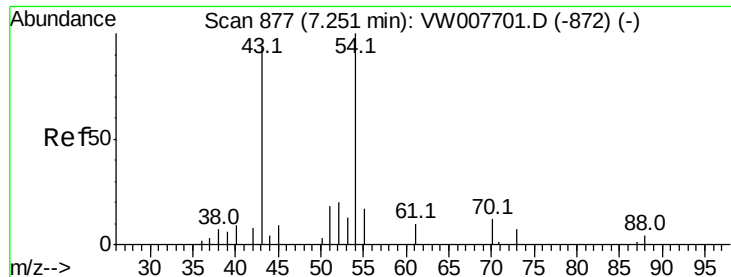
110 6.5 18.6 55.8#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

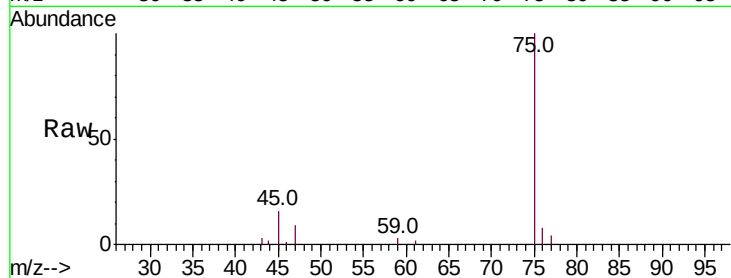




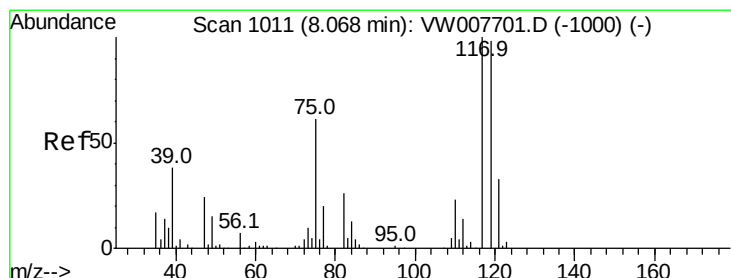
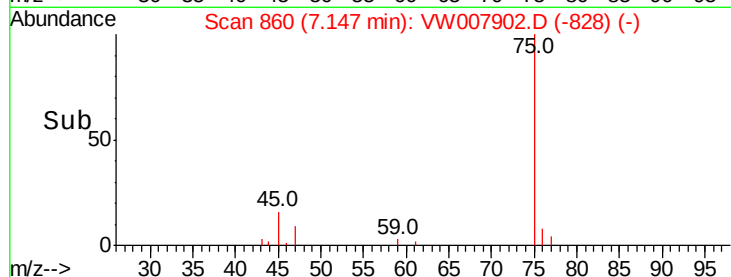
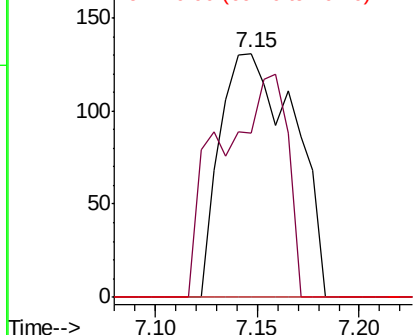
#37
Ethyl Acetate
Concen: 1.184 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.10 min
Lab File: VW007902.D
Acq: 24 Dec 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
61 36.0 11.2 16.8#
70 0.0 9.3 13.9#

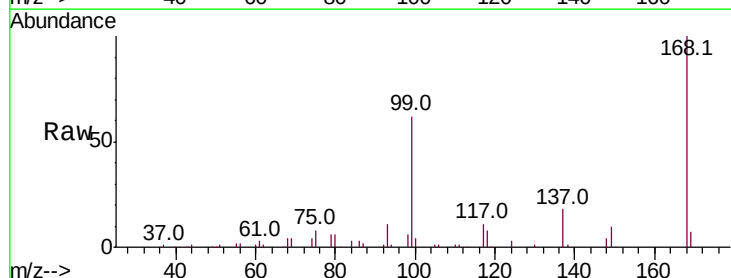


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

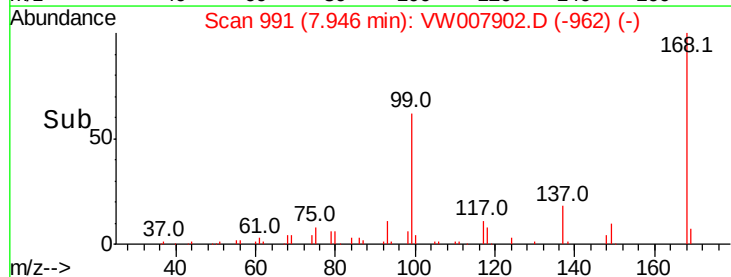
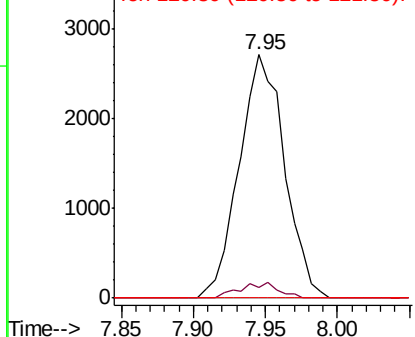


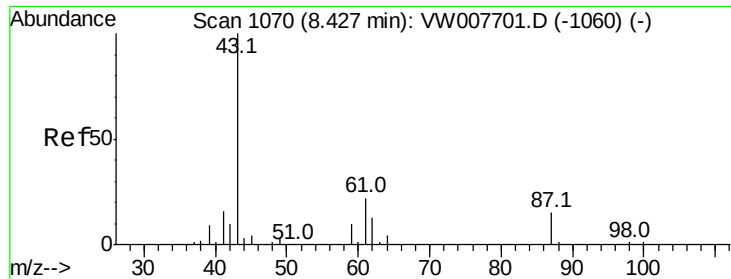
#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007902.D
Acq: 24 Dec 2018 21:02

Tgt Ion: 117 Resp: 5918
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 26.1 39.1#



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





#43

Isopropyl Acetate

Concen: 1.148 ug/l

RT: 8.55 min Scan# 1090

Delta R.T. 0.12 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

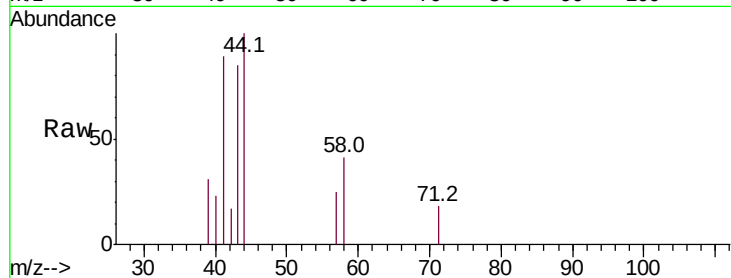
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 643

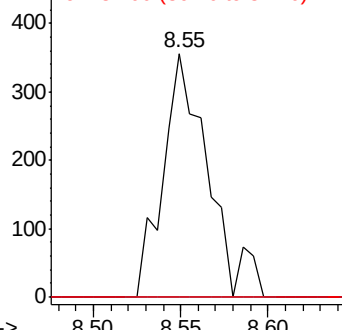
Ion	Ratio	Lower	Upper
43	100		
61	0.0	26.3	39.5#
87	0.0	12.0	18.0#



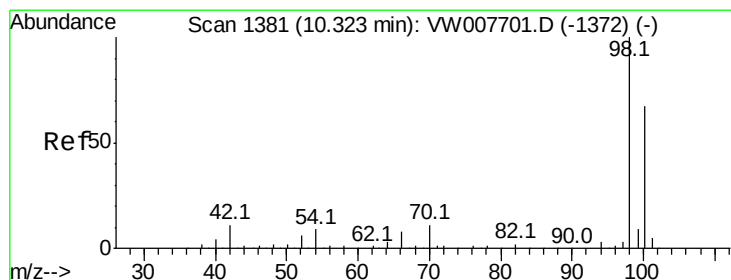
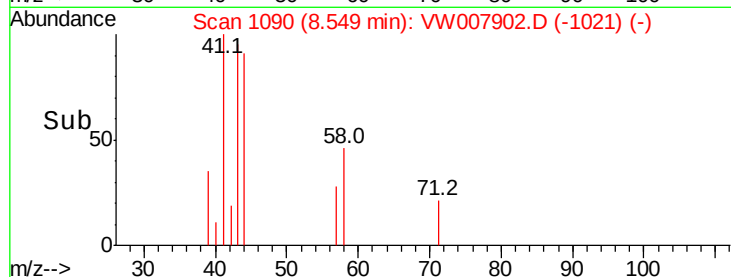
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



Time-->



#50

Toluene-d8

Concen: 41.871 ug/l

RT: 10.32 min Scan# 1381

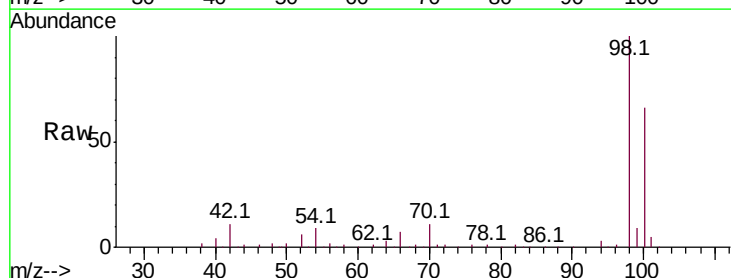
Delta R.T. -0.00 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

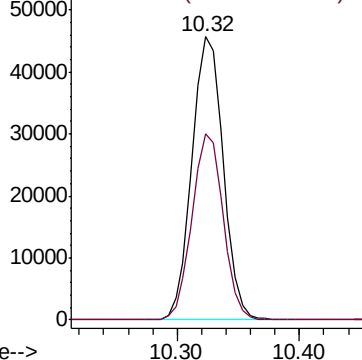
Tgt Ion: 98 Resp: 80821

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2

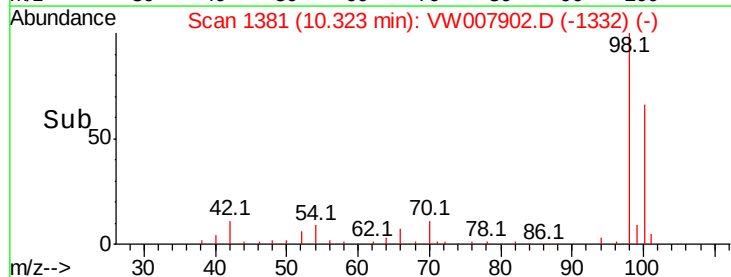


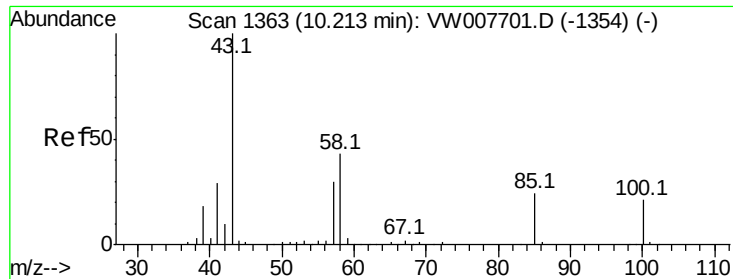
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.012 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

Instrument :

MSVOA_W

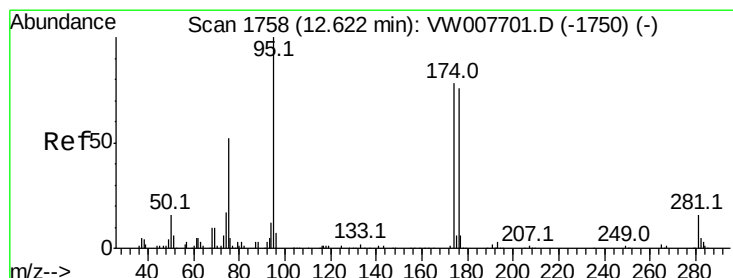
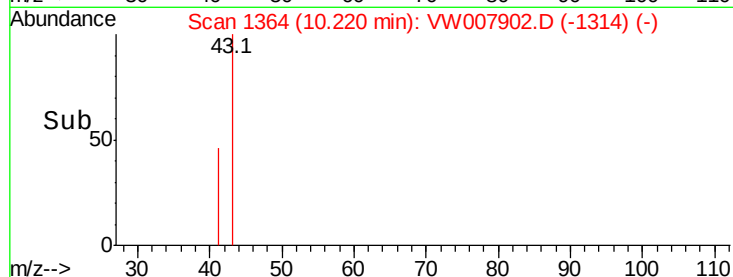
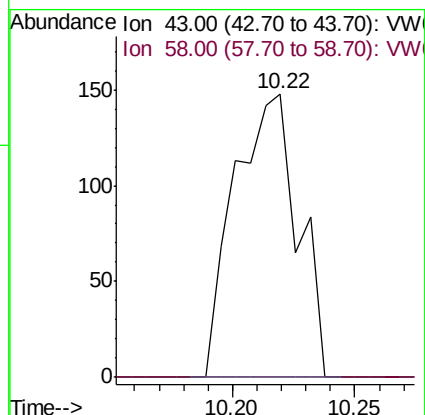
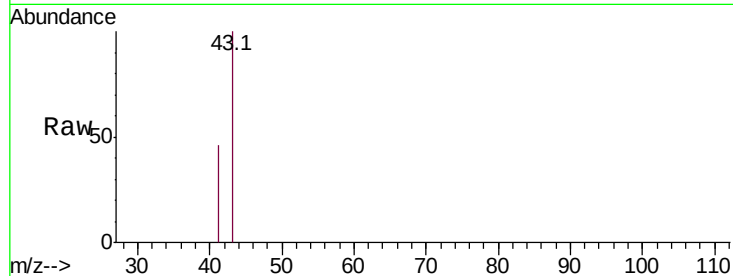
ClientSampleId :

Tot Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

58 0.0 33.2 49.8#



#62

4-Bromofluorobenzene

Concen: 26.449 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007902.D

Acq: 24 Dec 2018 21:02

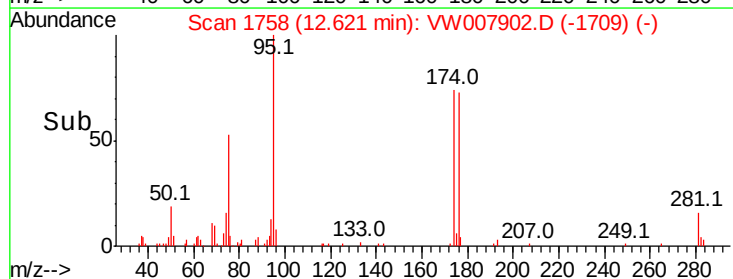
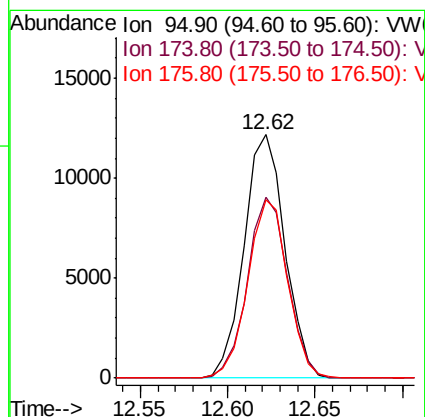
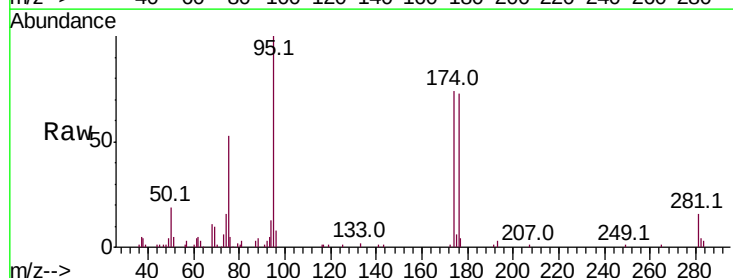
Tgt Ion: 95 Resp: 19723

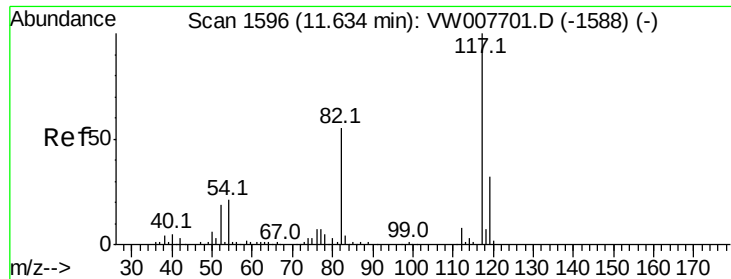
Ion Ratio Lower Upper

95 100

174 73.1 0.0 152.2

176 71.8 0.0 146.8

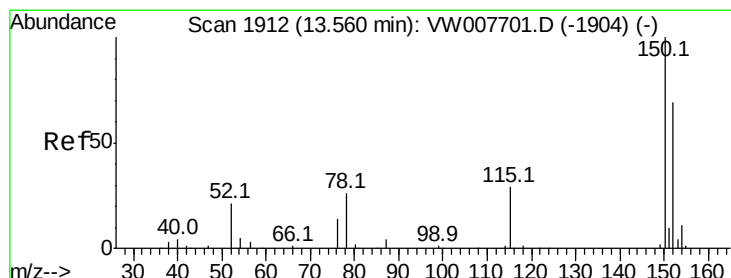
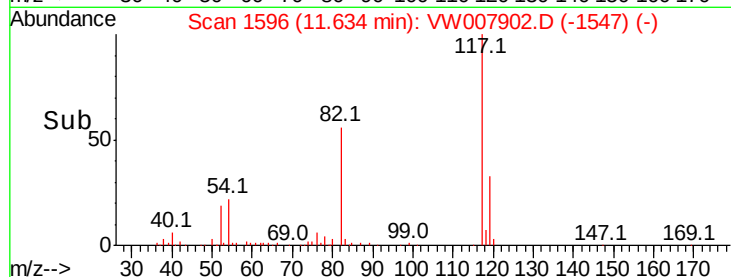
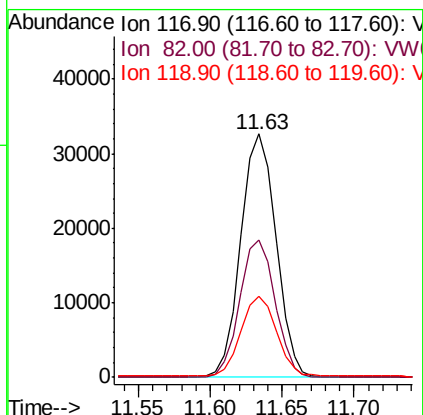
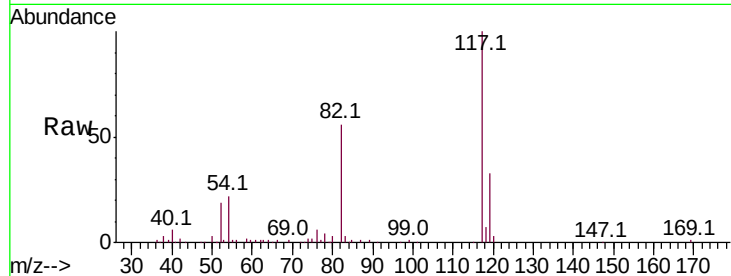




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007902.D
Acq: 24 Dec 2018 21:02

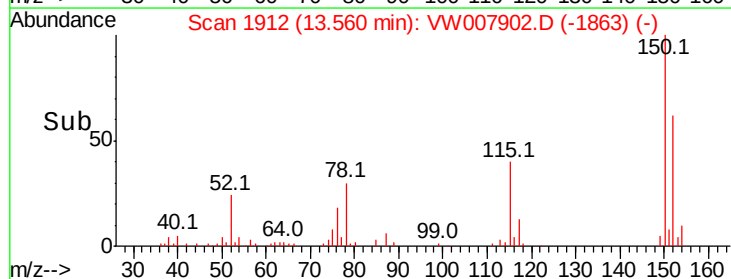
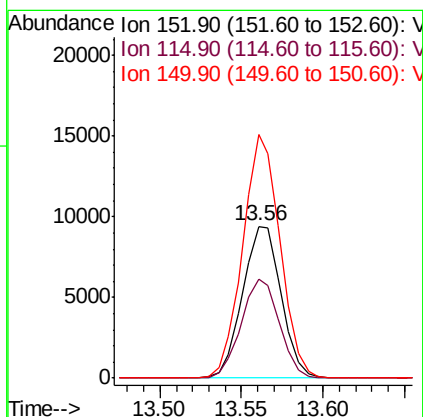
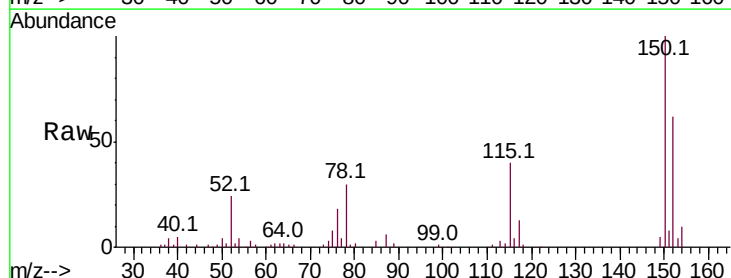
Instrument :
MSVOA_W
ClientSampleId :

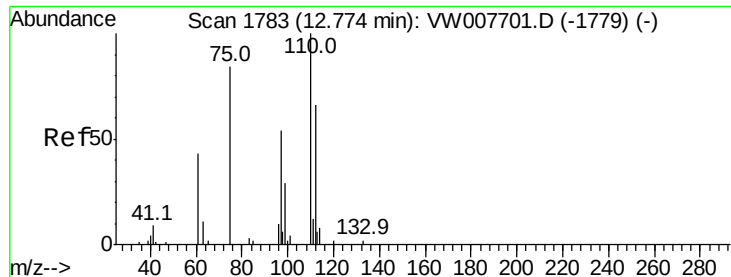
Tot Ion:117 Resp: 55616
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007902.D
Acq: 24 Dec 2018 21:02

Tgt Ion:152 Resp: 15382
Ion Ratio Lower Upper
152 100
115 64.4 31.8 95.4
150 156.1 0.0 350.8

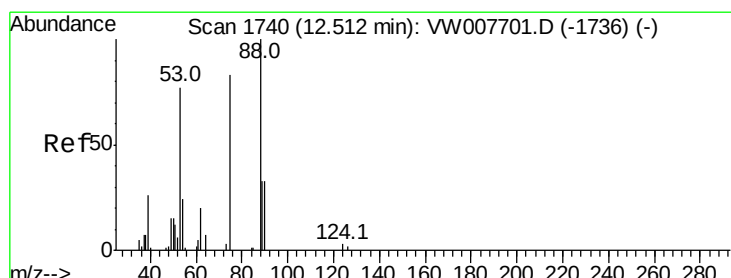
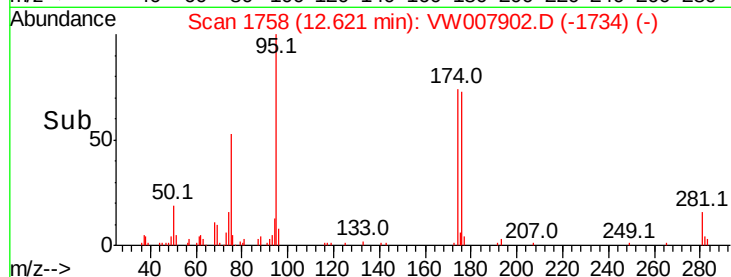
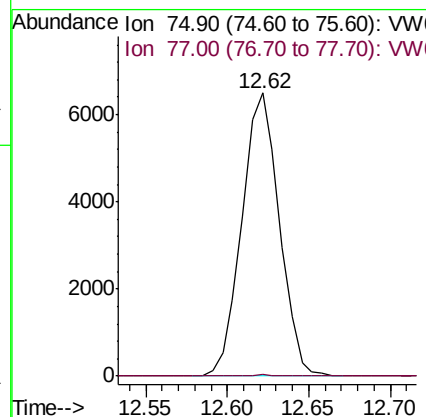
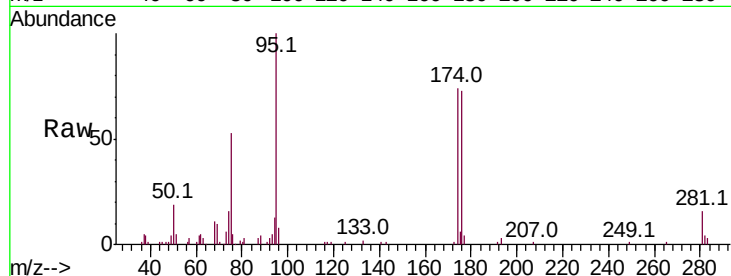




#76
 1,2,3-Trichloropropane
 Concen: 87.502 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007902.D
 Acq: 24 Dec 2018 21:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 10403
 Ion Ratio Lower Upper
 75 100
 77 0.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 183.673 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007902.D
 Acq: 24 Dec 2018 21:02

Tgt Ion: 75 Resp: 10403
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

