

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007897.D
 Acq On : 24 Dec 2018 18:53
 Operator : SY/AP
 Sample : J6446-18
 Misc : 5.17G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:05:05 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	75724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125068	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	38954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	42481	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.88	113	35603	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.32	98	122306	42.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.04%	
62) 4-Bromofluorobenzene	12.62	95	39602	35.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.28%	

Target Compounds

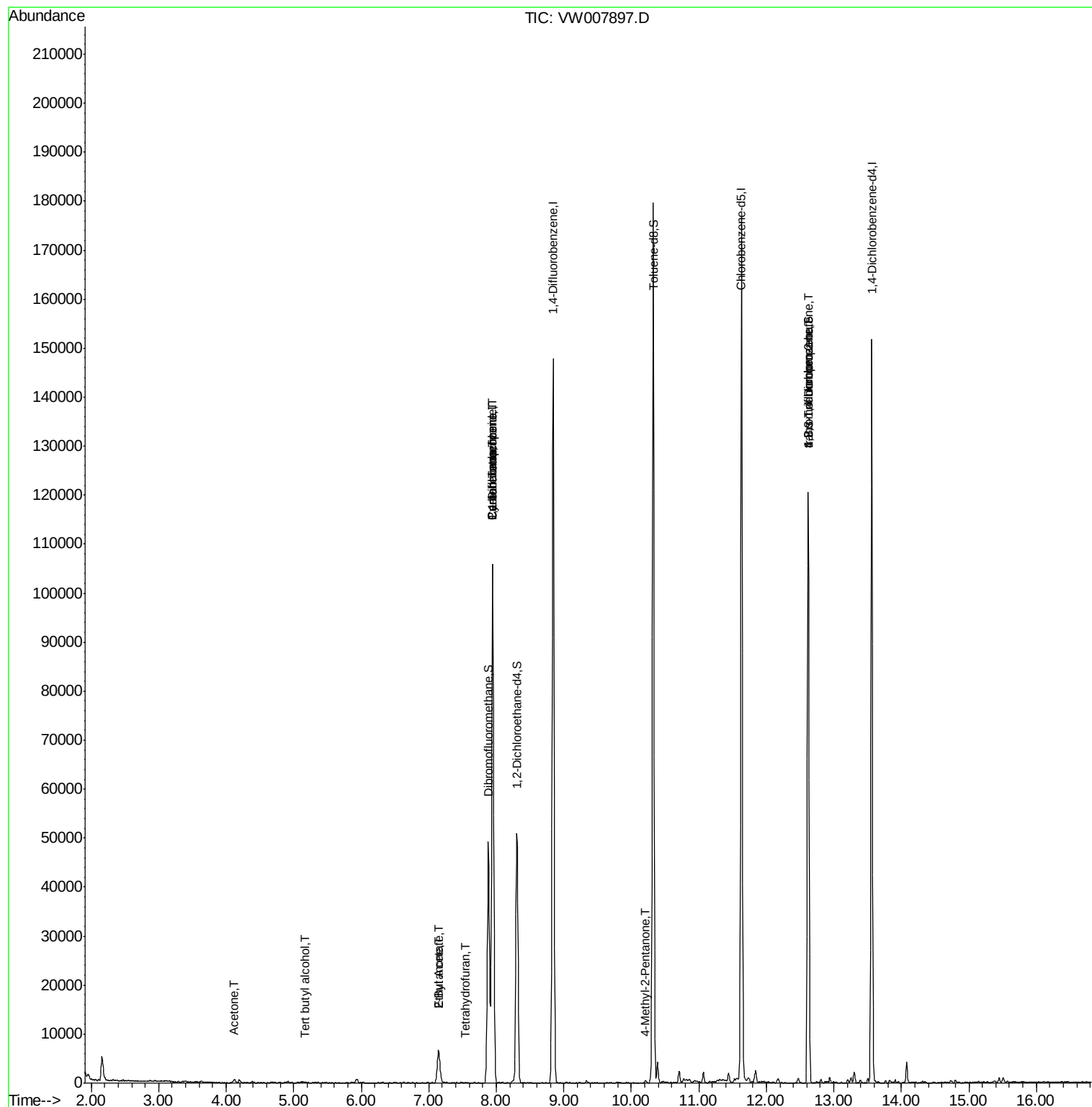
					Qvalue	
11) Tert butyl alcohol	5.17	59	350	6.251	ug/l #	73
16) Acetone	4.12	43	1130	7.271	ug/l	98
20) Methylene Chloride	4.92	84	178	Below Cal	#	62
25) 2-Butanone	7.16	43	473	2.598	ug/l #	44
29) Tetrahydrofuran	7.54	42	158	1.455	ug/l #	27
31) Cyclohexane	7.95	56	1701	1.377	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	5890	4.879	ug/l #	48
37) Ethyl Acetate	7.16	43	473	1.135	ug/l #	1
38) Carbon Tetrachloride	7.95	117	7984	5.616	ug/l #	14
51) 4-Methyl-2-Pentanone	10.22	43	471	1.194	ug/l #	84
76) 1,2,3-Trichloropropane	12.62	75	21111	70.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21111	147.183	ug/l #	9

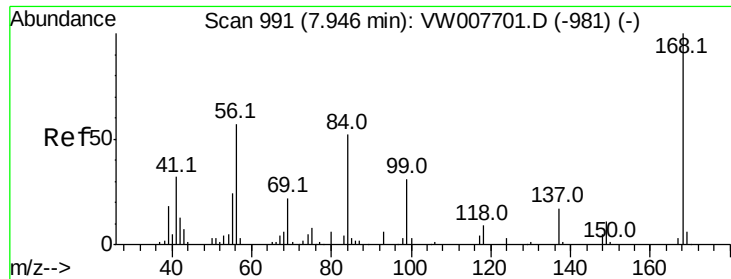
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
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: VW007897.D

Acq: 24 Dec 2018 18:53

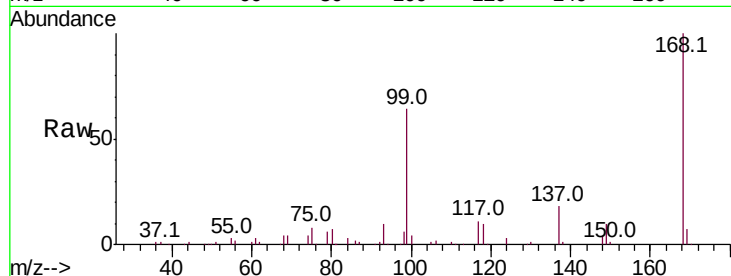
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 75724

Ion Ratio Lower Upper

168 100

99 64.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

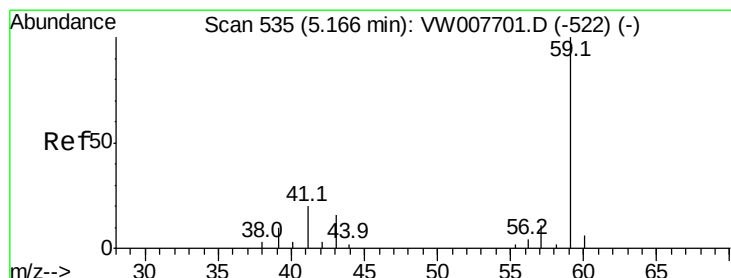
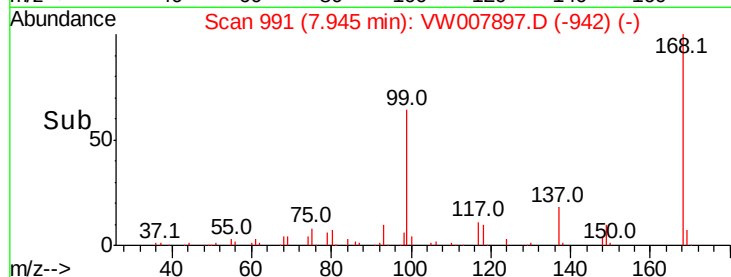
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 6.251 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007897.D

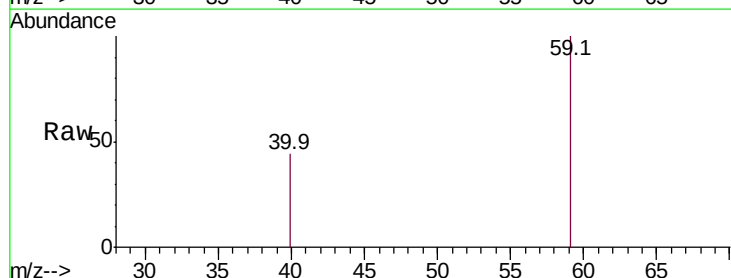
Acq: 24 Dec 2018 18:53

Tgt Ion: 59 Resp: 350

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

5.17

150

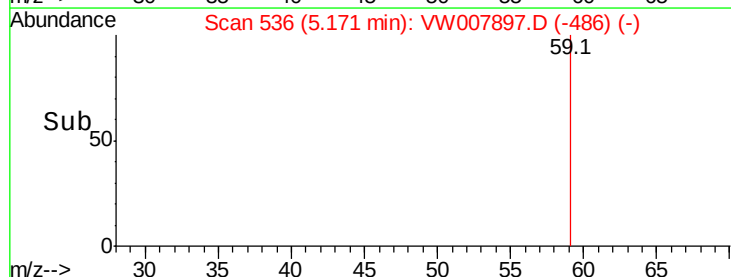
100

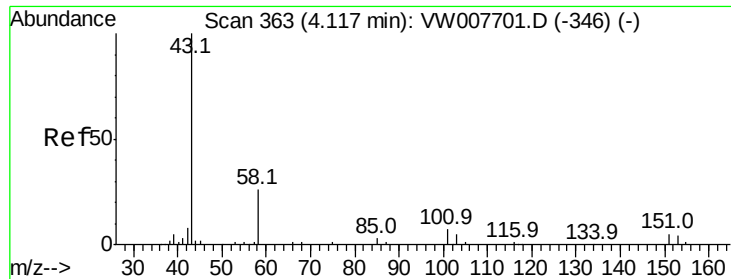
50

0

5.15 5.20

Time-->





#16

Acetone

Concen: 7.271 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

Instrument :

MSVOA_W

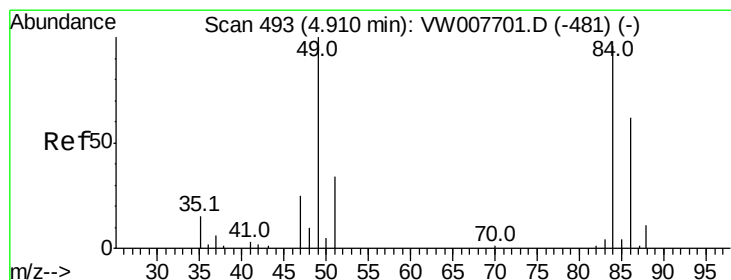
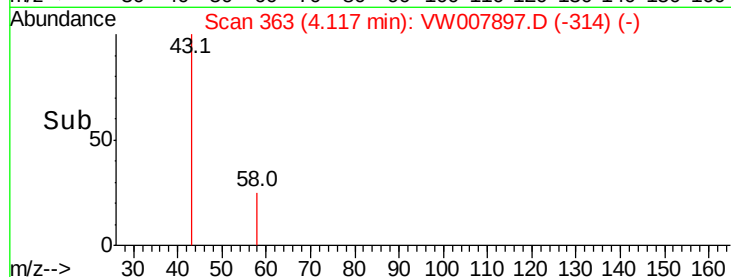
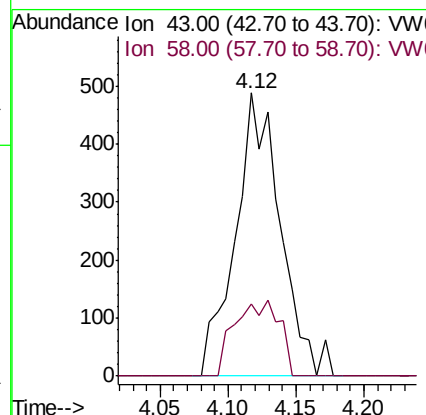
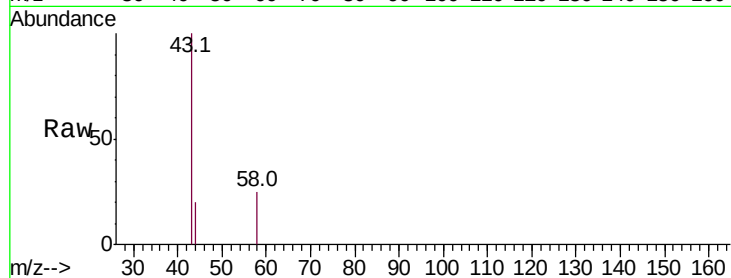
ClientSampled :

Tot Ion: 43 Resp: 1130

Ion Ratio Lower Upper

43 100

58 25.4 21.2 31.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

Tgt Ion: 84 Resp: 178

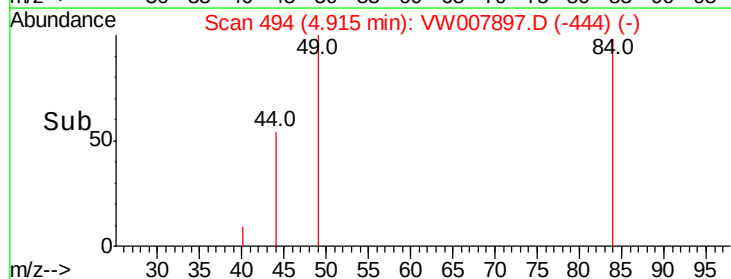
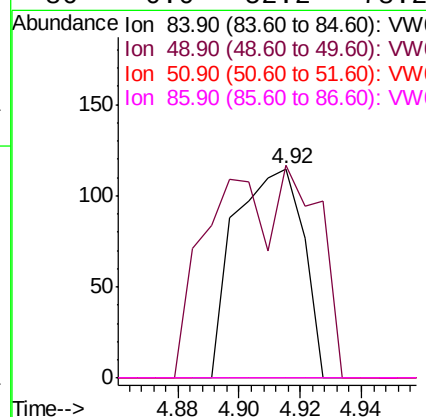
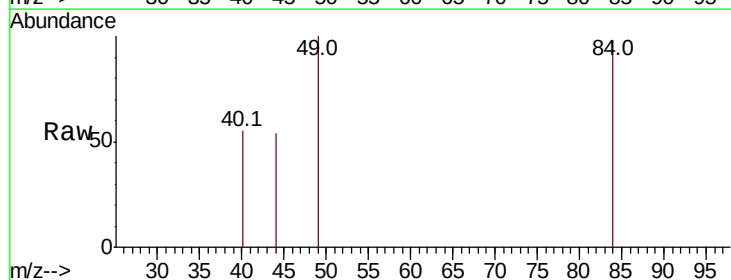
Ion Ratio Lower Upper

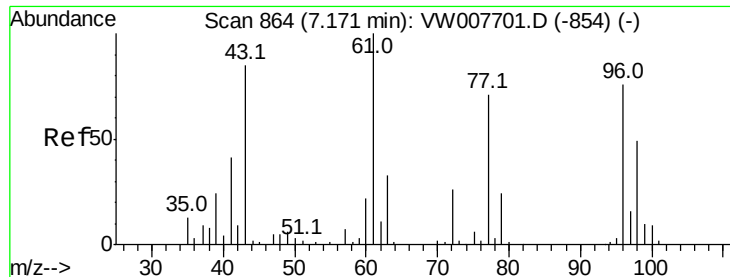
84 100

49 101.7 83.7 125.5

51 0.0 28.2 42.2#

86 0.0 52.2 78.2#





#25

2-Butanone

Concen: 2.598 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

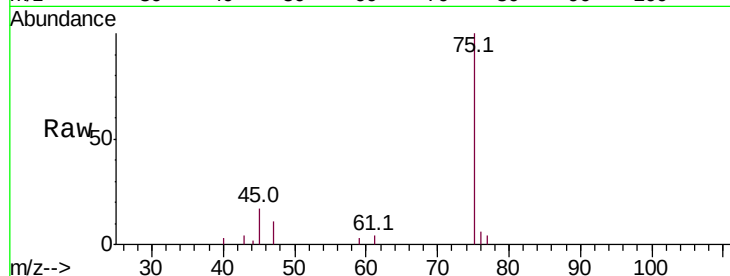
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 473

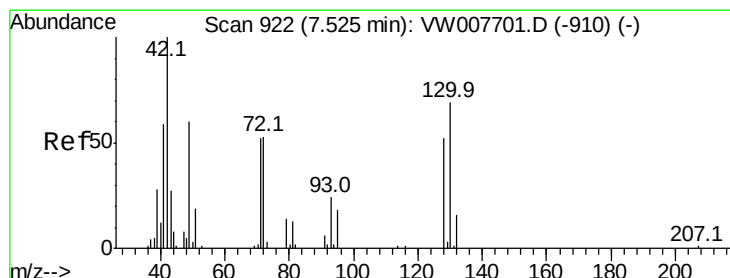
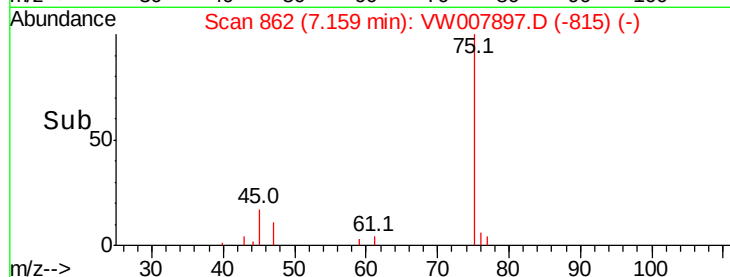
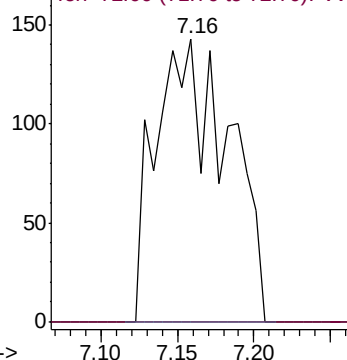
Ion Ratio Lower Upper

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



#29

Tetrahydrofuran

Concen: 1.455 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

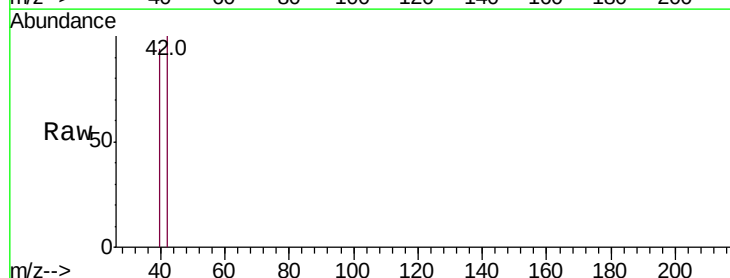
Tgt Ion: 42 Resp: 158

Ion Ratio Lower Upper

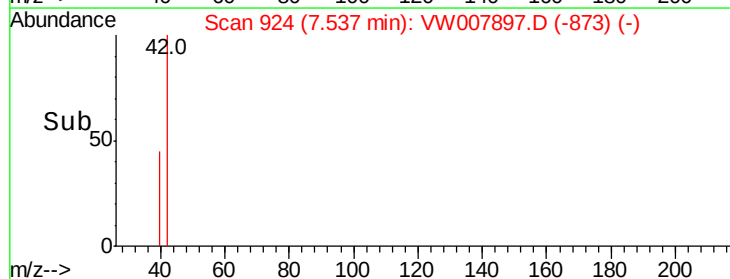
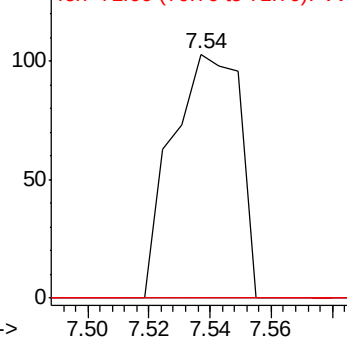
42 100

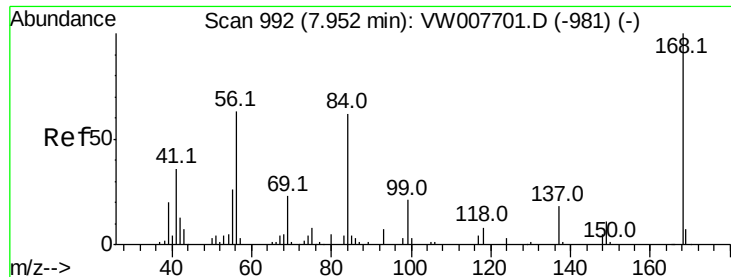
72 0.0 41.7 62.5#

71 0.0 39.0 58.6#



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

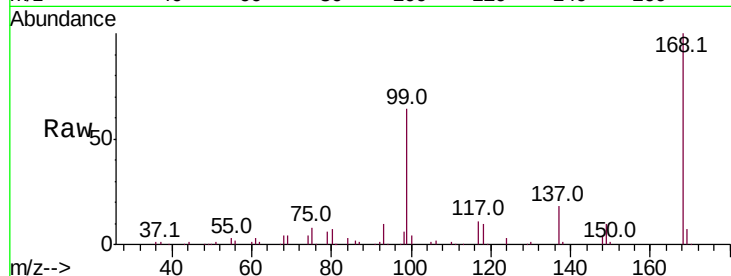




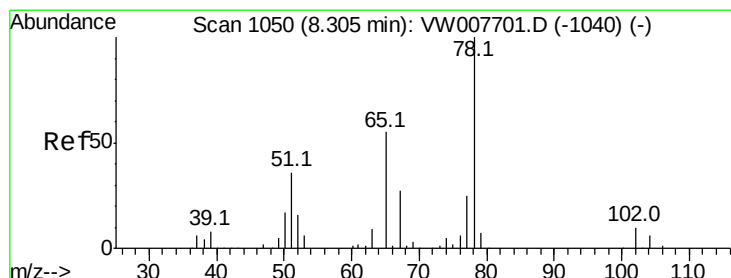
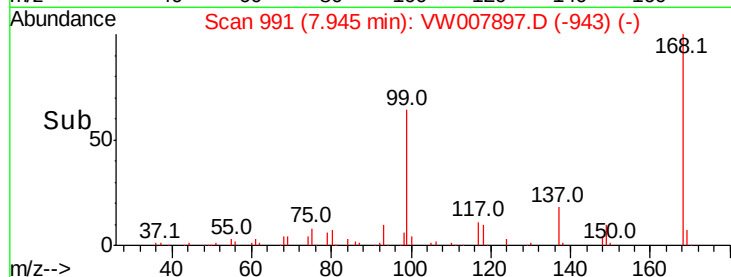
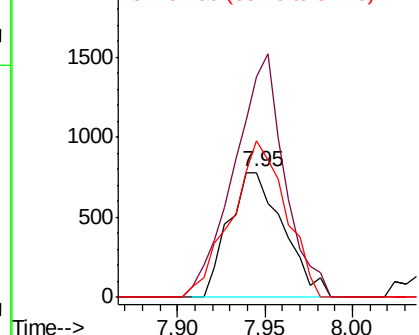
#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 1701
Ion Ratio Lower Upper
56 100
69 176.8 29.7 44.5#
84 125.0 78.9 118.3#

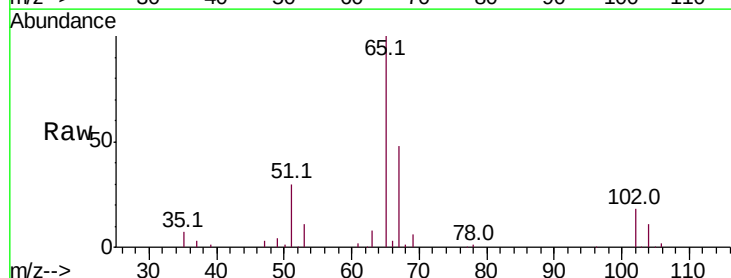


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

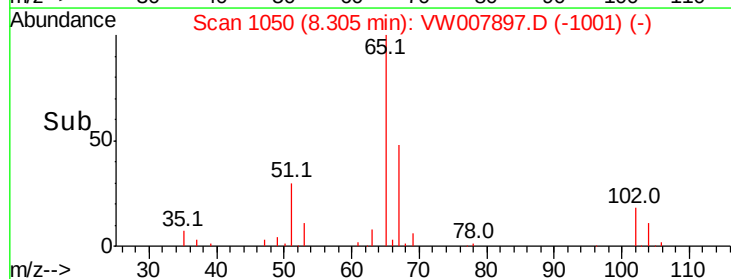
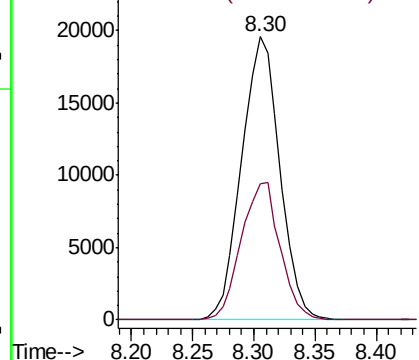


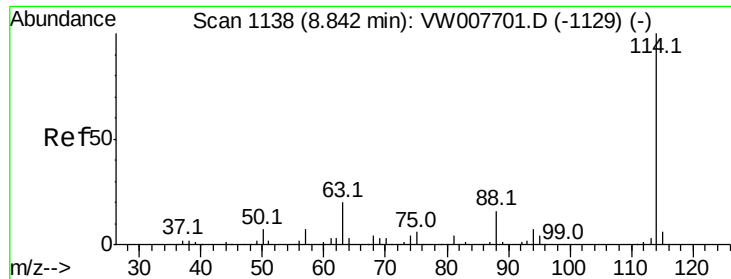
#33
1,2-Dichloroethane-d4
Concen: 51.184 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

Tgt Ion: 65 Resp: 42481
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.6



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

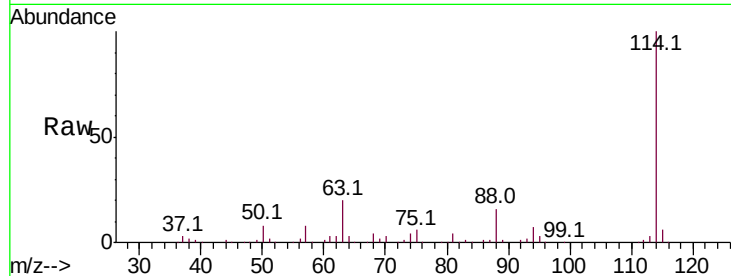




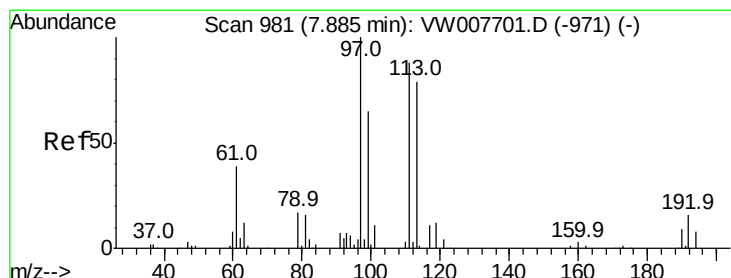
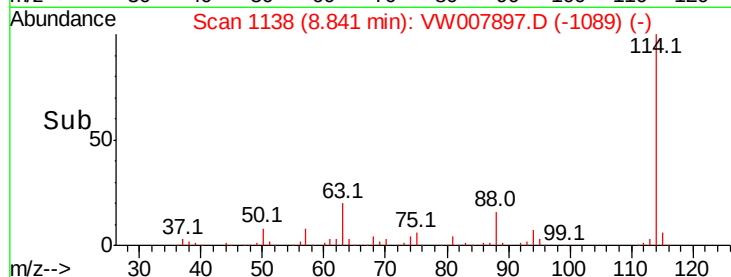
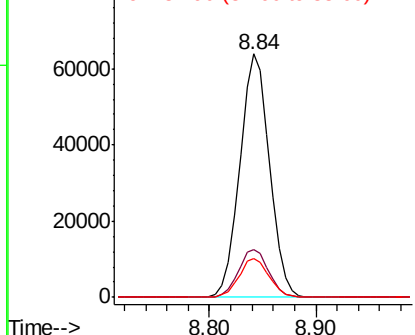
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007897.D
 Acq: 24 Dec 2018 18:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.9	0.0	32.6

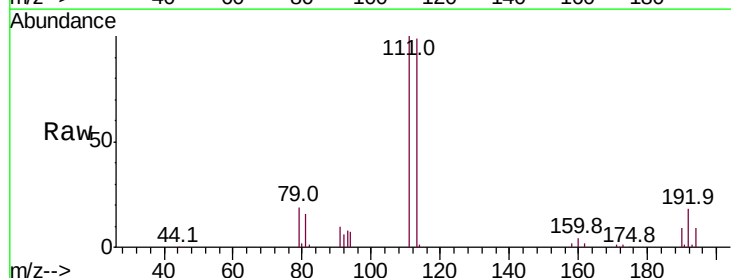


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

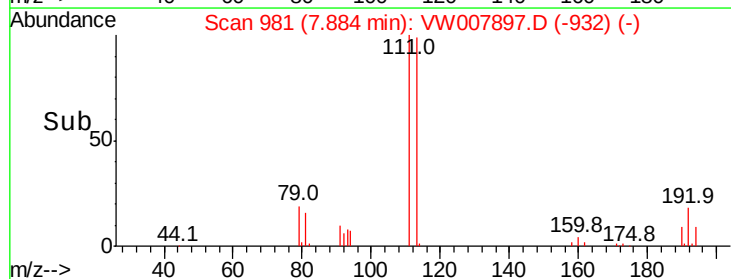
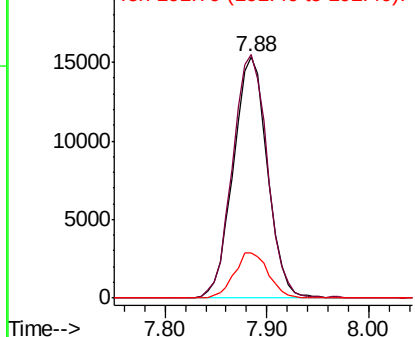


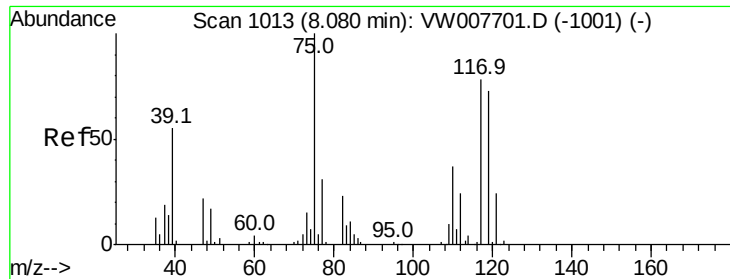
#35
 Dibromofluoromethane
 Concen: 46.663 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007897.D
 Acq: 24 Dec 2018 18:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	18.7	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

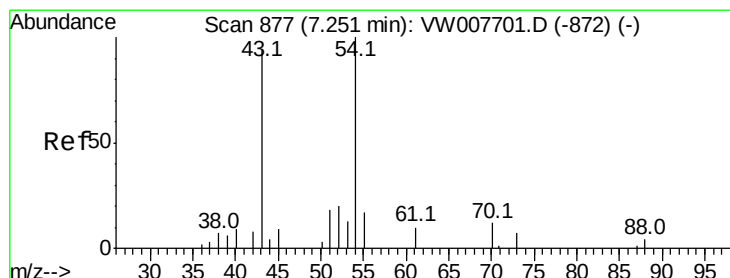
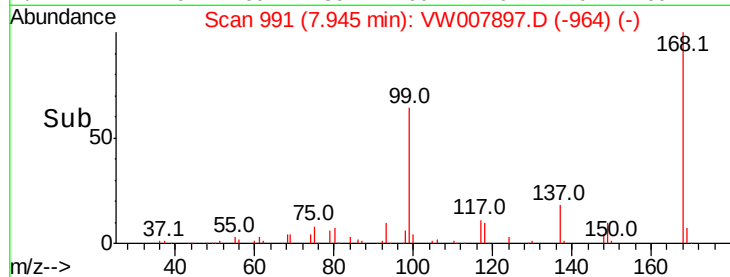
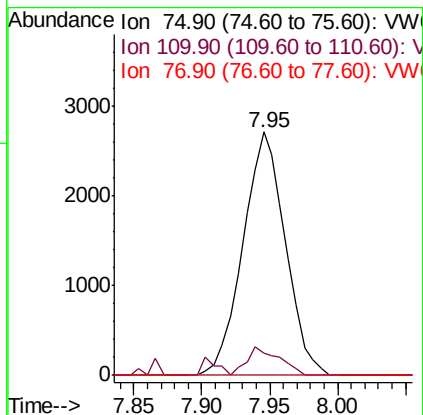
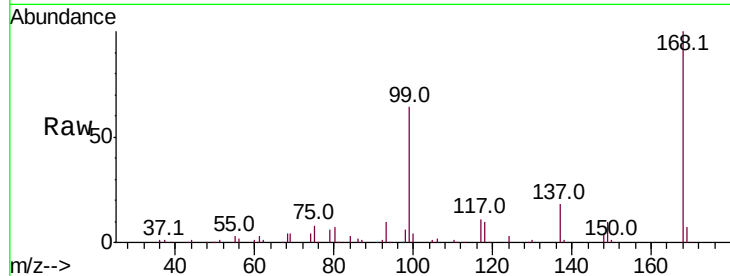




#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007897.D
 Acq: 24 Dec 2018 18:53

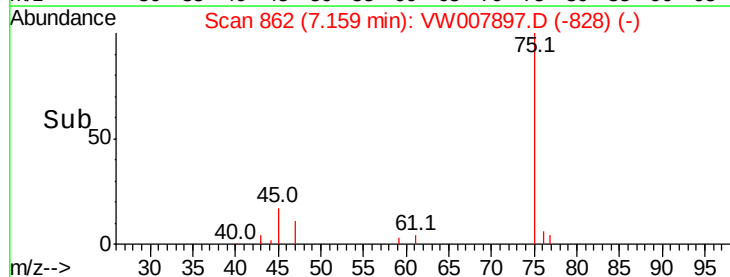
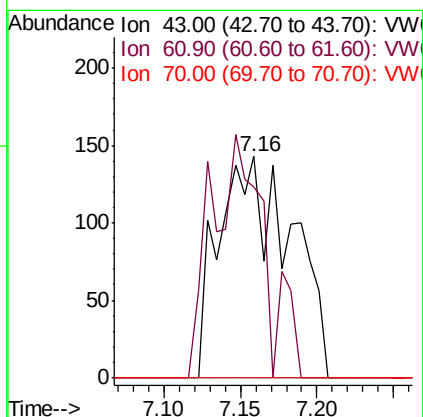
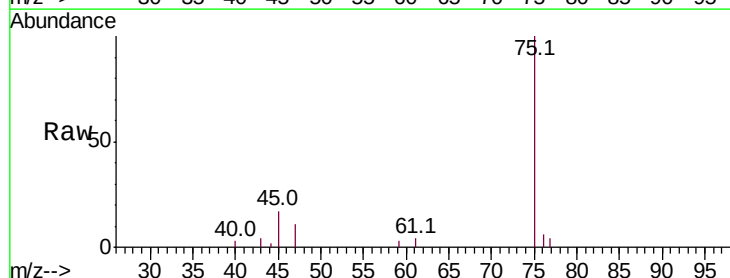
Instrument :
 MSVOA_W
 ClientSampleId :

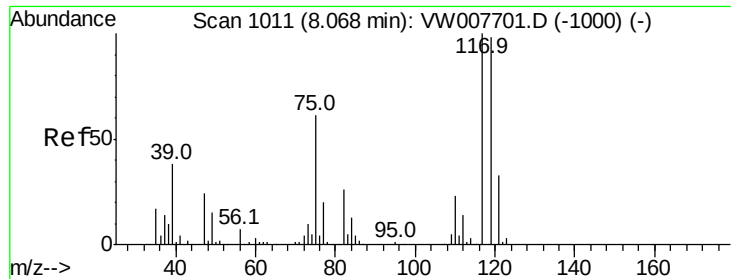
Tot Ion: 75 Resp: 5890
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.135 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VW007897.D
 Acq: 24 Dec 2018 18:53

Tgt Ion: 43 Resp: 473
 Ion Ratio Lower Upper
 43 100
 61 79.9 11.2 16.8#
 70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

Instrument :

MSVOA_W

ClientSampleId :

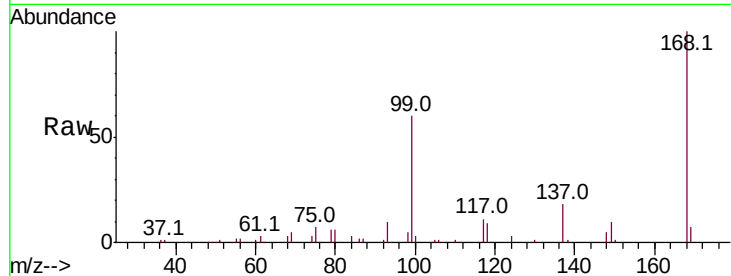
Tot Ion:117 Resp: 7984

Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

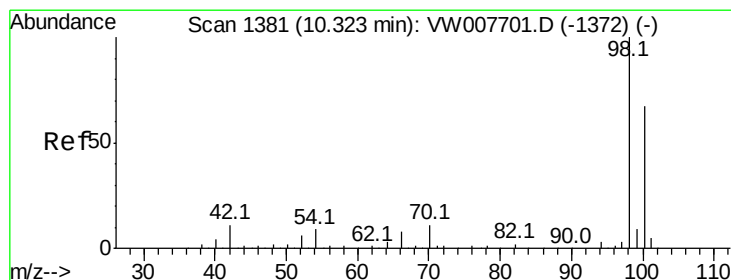
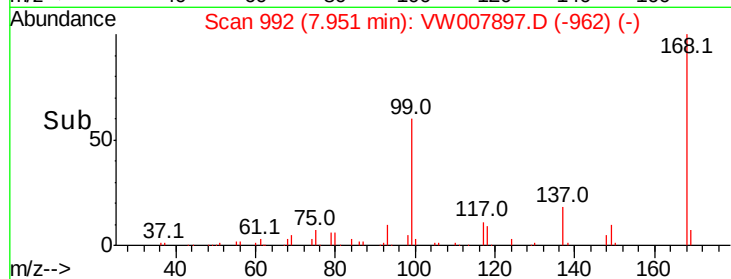
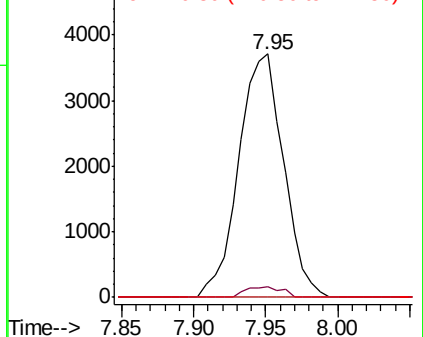
121 0.0 26.1 39.1#



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



#50

Toluene-d8

Concen: 42.522 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007897.D

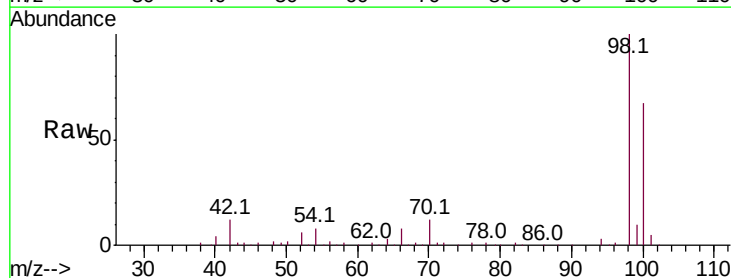
Acq: 24 Dec 2018 18:53

Tgt Ion: 98 Resp: 122306

Ion Ratio Lower Upper

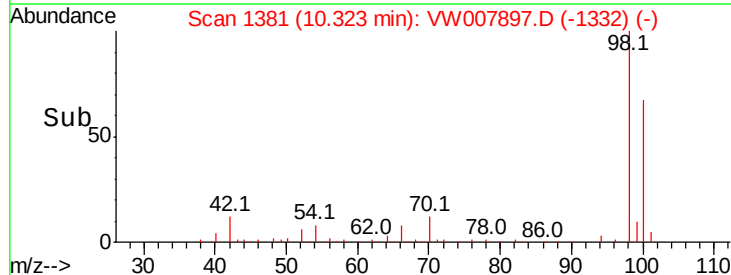
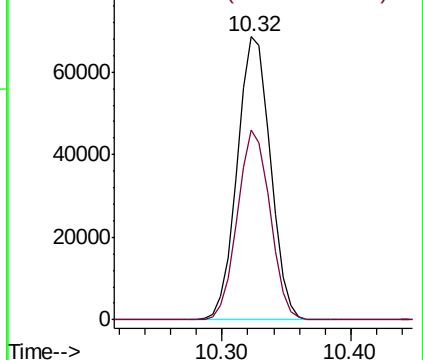
98 100

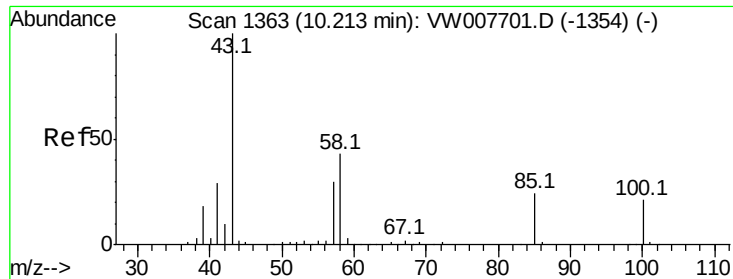
100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

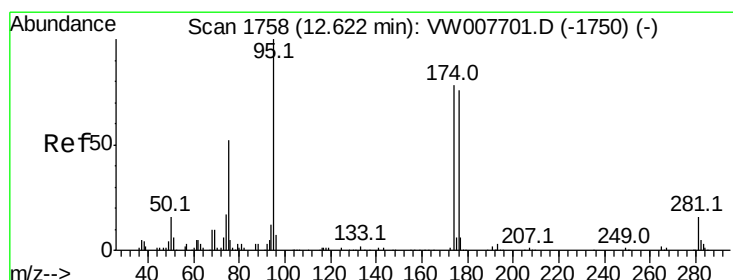
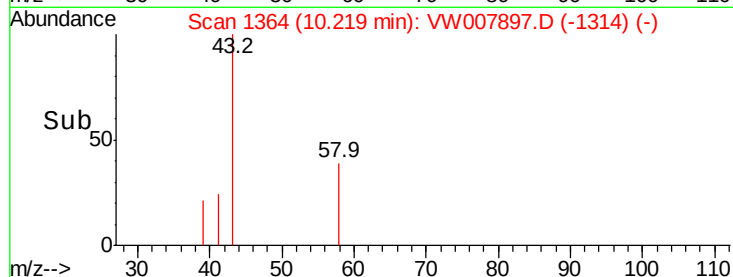
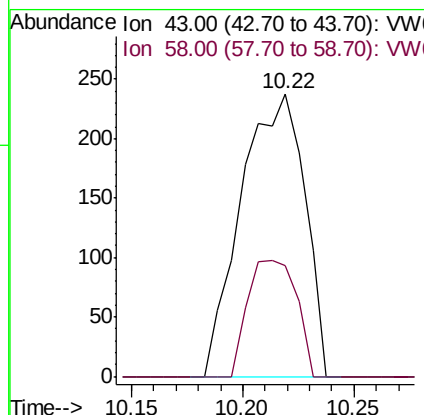
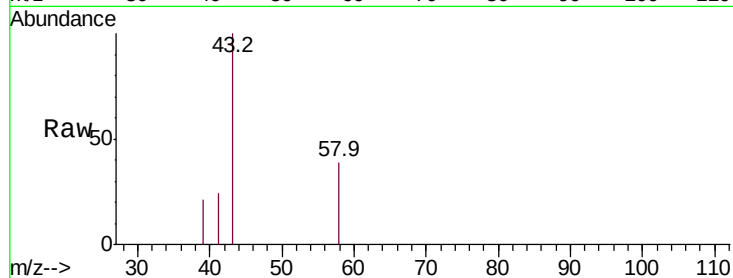




#51
4-Methyl-2-Pentanone
Concen: 1.194 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

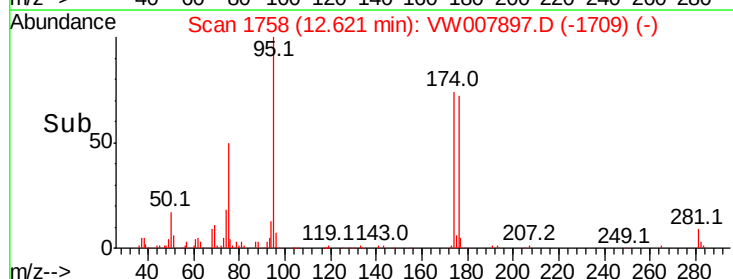
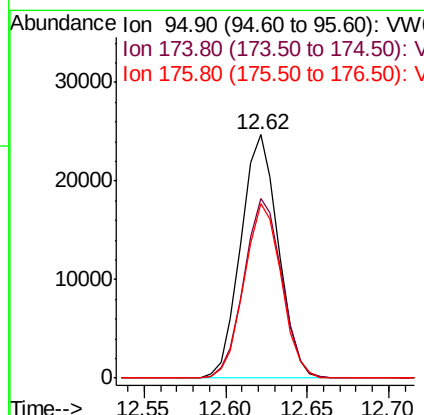
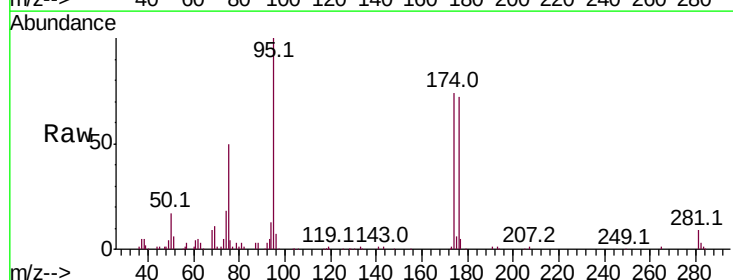
Instrument :
MSVOA_W
ClientSampled :

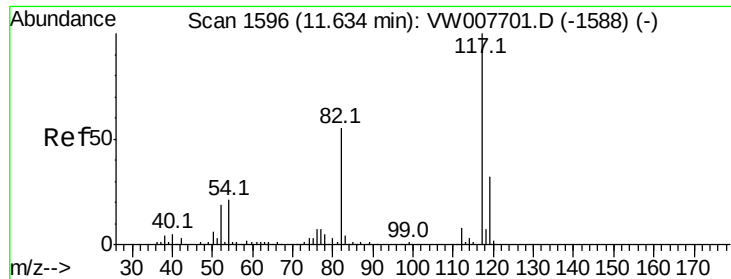
Tot Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 31.6 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 35.639 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

Tgt Ion: 95 Resp: 39602
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.2
176 71.5 0.0 146.8

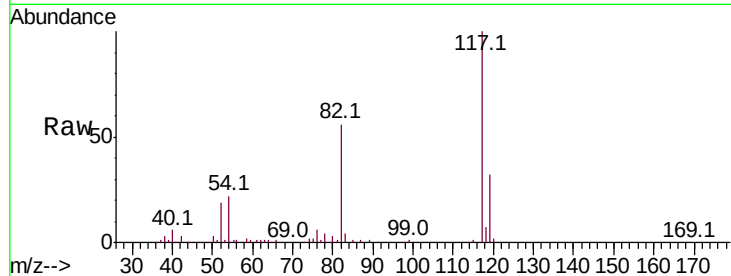




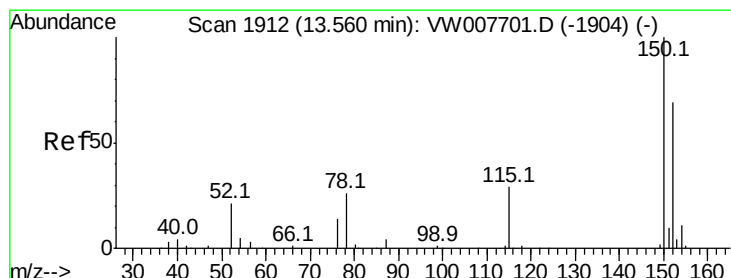
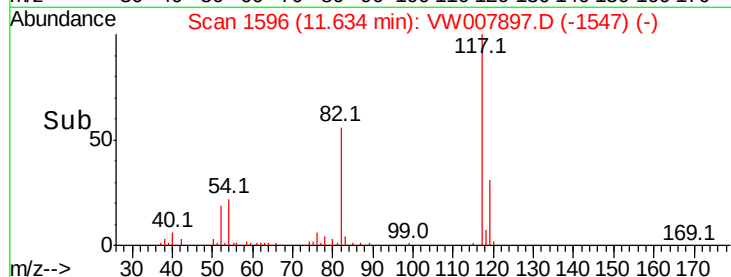
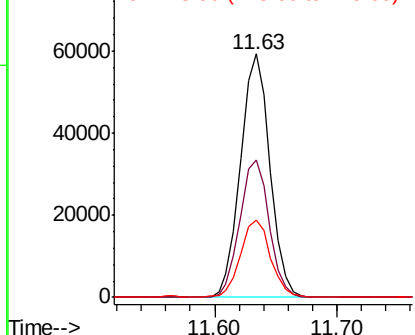
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 98563
Ion Ratio Lower Upper
117 100
82 56.2 44.3 66.5
119 31.4 25.7 38.5

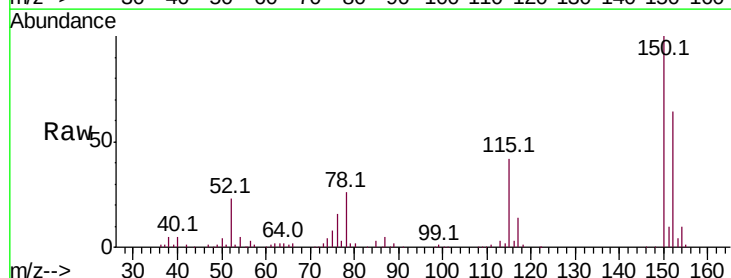


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

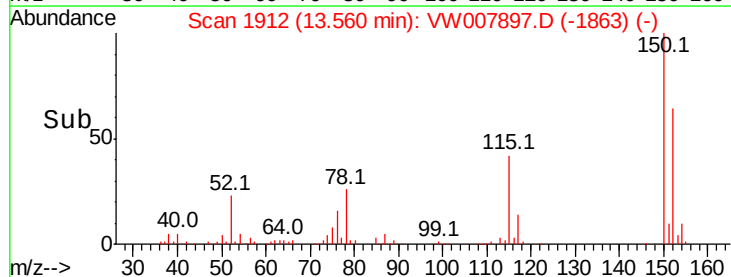
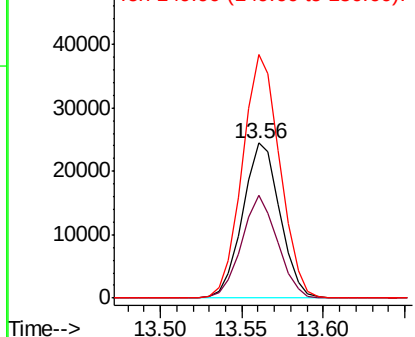


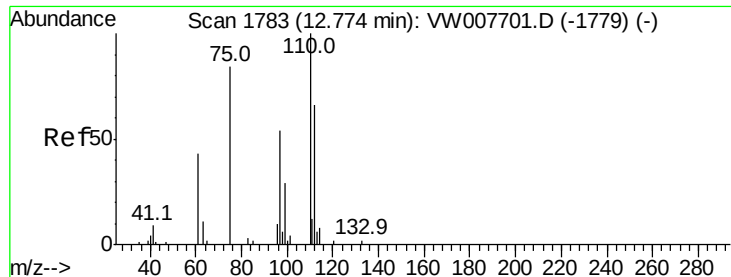
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007897.D
Acq: 24 Dec 2018 18:53

Tgt Ion:152 Resp: 38954
Ion Ratio Lower Upper
152 100
115 63.5 31.8 95.4
150 157.7 0.0 350.8



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: 70.118 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

Instrument :

MSVOA_W

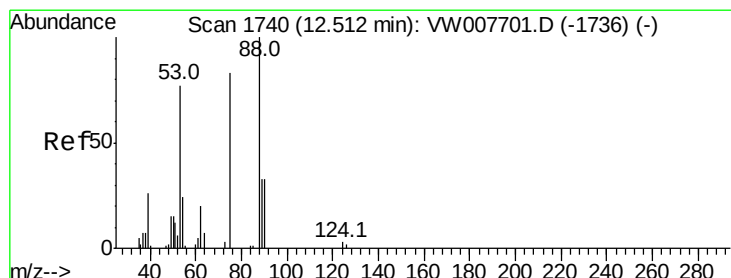
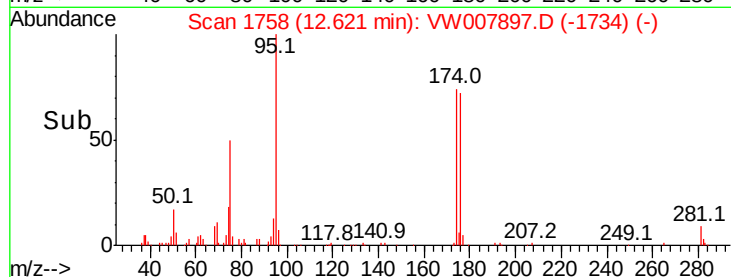
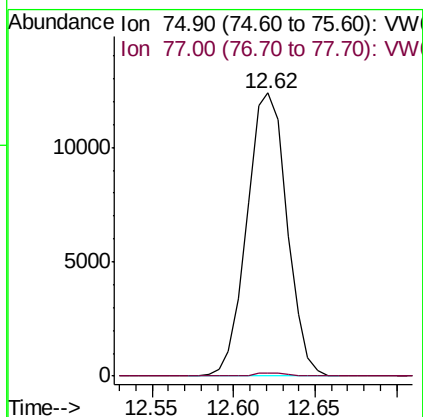
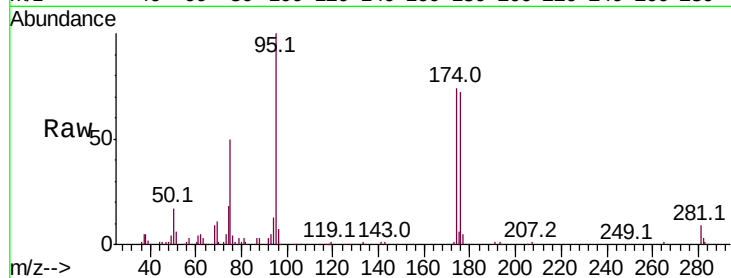
ClientSampled :

Tot Ion: 75 Resp: 21111

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007897.D

Acq: 24 Dec 2018 18:53

Tgt Ion: 75 Resp: 21111

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

