

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007300.D
 Acq On : 07 Dec 2018 00:40
 Operator : SY/AP
 Sample : J6234-01RE
 Misc : 5.46G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:19:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	141445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29624	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	36740	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	
35) Dibromofluoromethane	7.89	113	33528	41.40	ug/l	0.00
Spiked Amount			Recovery	=	82.80%	
50) Toluene-d8	10.32	98	111378	31.22	ug/l	0.00
Spiked Amount			Recovery	=	62.44%	
62) 4-Bromofluorobenzene	12.62	95	35359	26.26	ug/l	0.00
Spiked Amount			Recovery	=	52.52%	

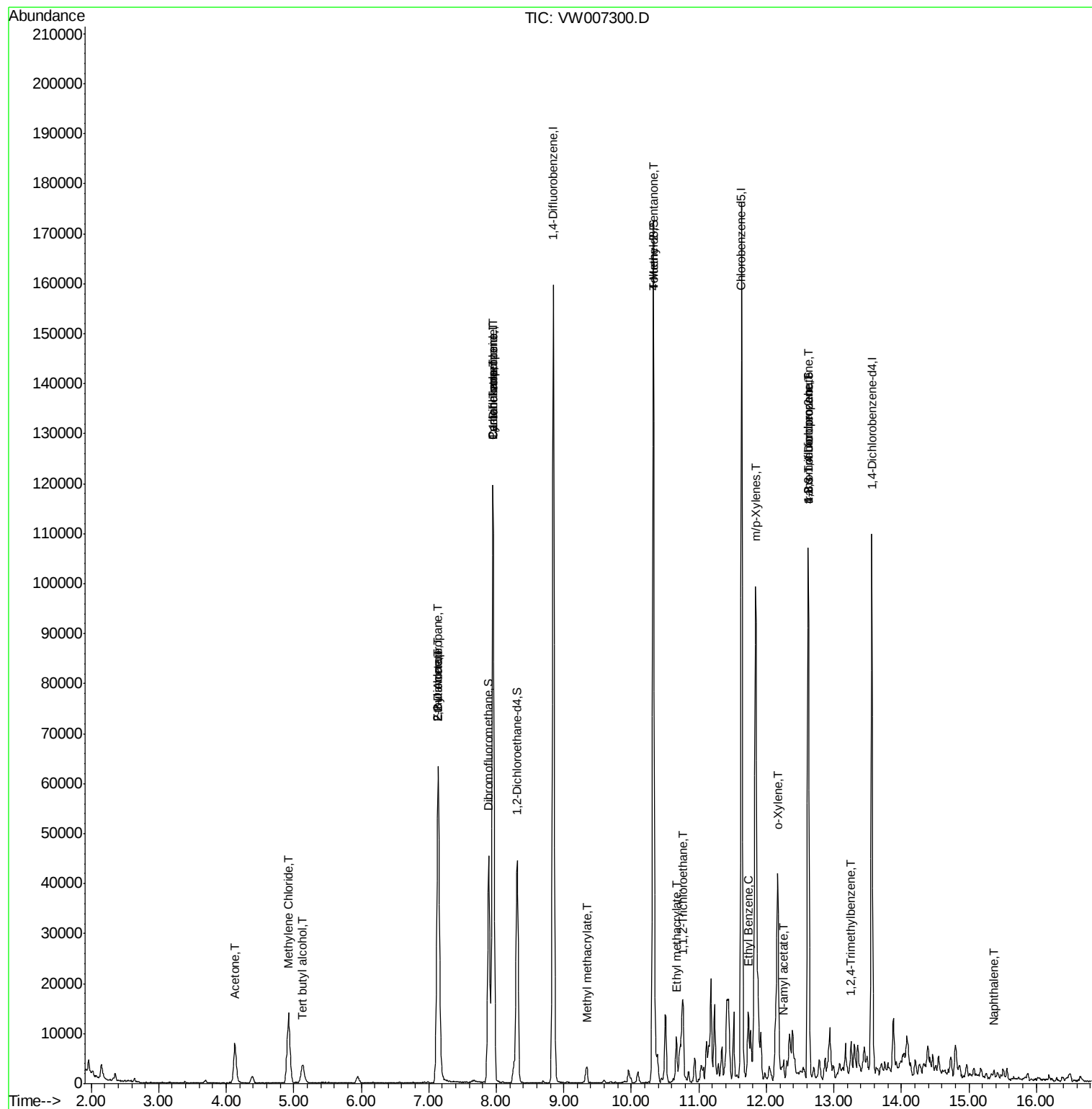
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3961	34.278	ug/l #	75
16) Acetone	4.13	43	14401	74.194	ug/l	100
20) Methylene Chloride	4.92	84	10400	6.056	ug/l #	91
25) 2-Butanone	7.14	43	3603	16.013	ug/l #	70
26) 2,2-Dichloropropane	7.14	77	4354	2.914	ug/l #	53
31) Cyclohexane	7.95	56	1698	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6855	4.981	ug/l #	49
37) Ethyl Acetate	7.14	43	3603	7.237	ug/l #	5
38) Carbon Tetrachloride	7.96	117	9047	6.440	ug/l #	18
48) Methyl methacrylate	9.34	41	699	1.393	ug/l #	67
51) 4-Methyl-2-Pentanone	10.32	43	998	2.094	ug/l #	28
55) 1,1,2-Trichloroethane	10.76	97	4740	7.302	ug/l #	19
56) Ethyl methacrylate	10.66	69	949	1.121	ug/l #	1
67) Ethyl Benzene	11.73	91	6974	1.761	ug/l	100
68) m/p-Xylenes	11.84	106	20357	13.103	ug/l	84
69) o-Xylene	12.17	106	9224	6.355	ug/l	88
74) N-amyl acetate	12.26	43	964	2.257	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	17296	75.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17296	162.520	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	3649	1.734	ug/l	97
95) Naphthalene	15.38	128	1976	1.721	ug/l #	94

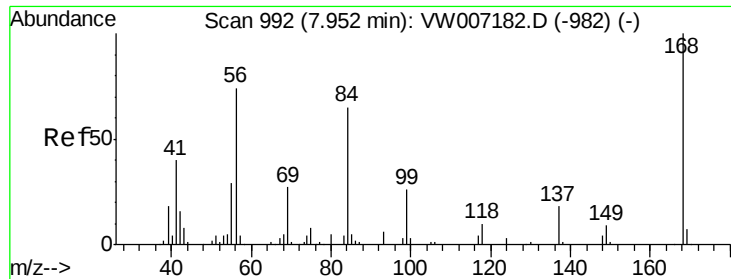
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 05 01:35:23 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: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

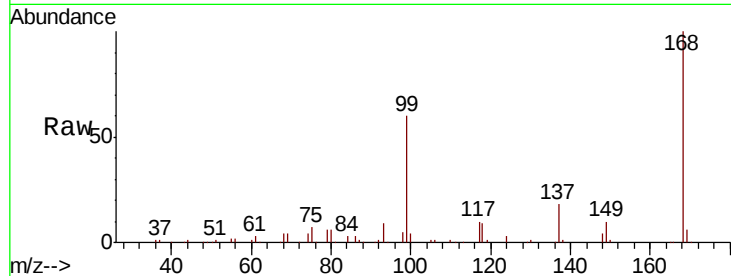
ClientSampleId :

Tot Ion:168 Resp: 88063

Ion Ratio Lower Upper

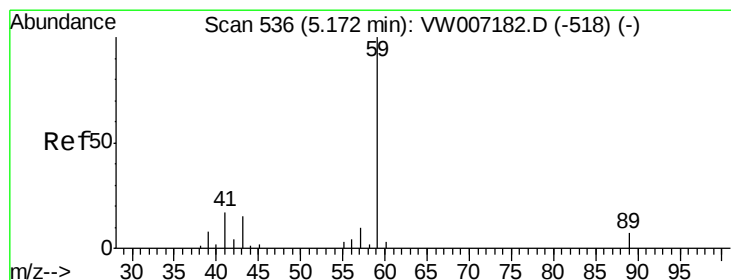
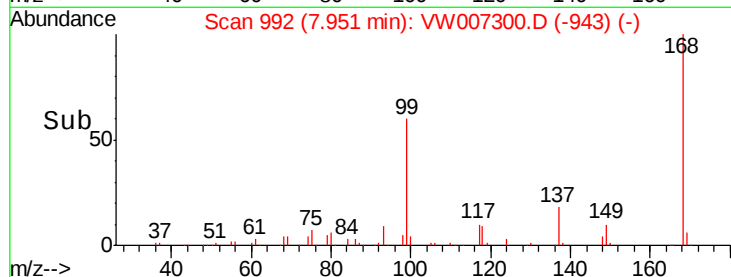
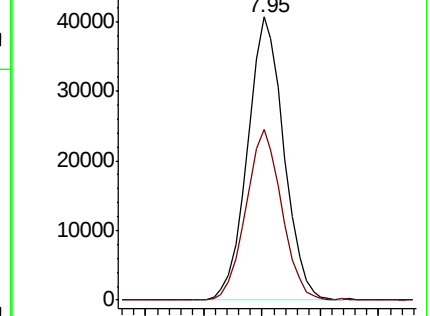
168 100

99 60.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 34.278 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW007300.D

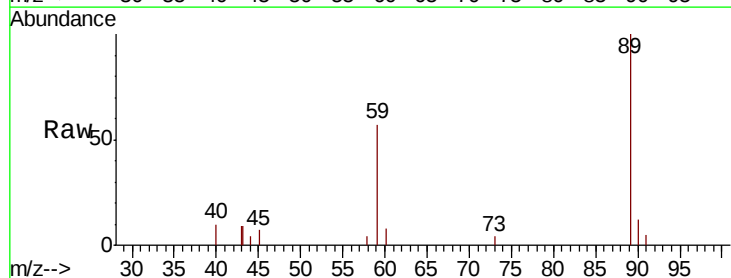
Acq: 07 Dec 2018 00:40

Tgt Ion: 59 Resp: 3961

Ion Ratio Lower Upper

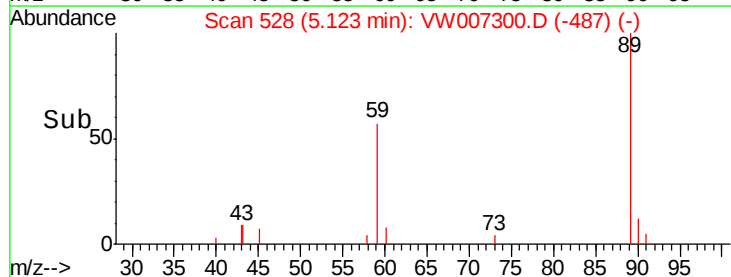
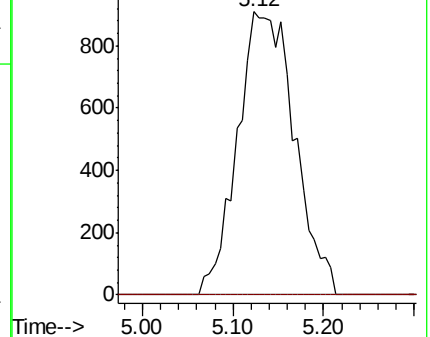
59 100

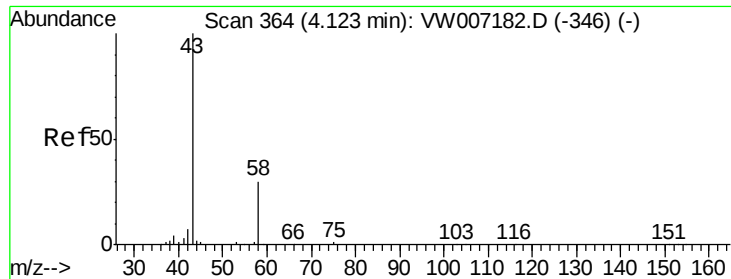
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 74.194 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

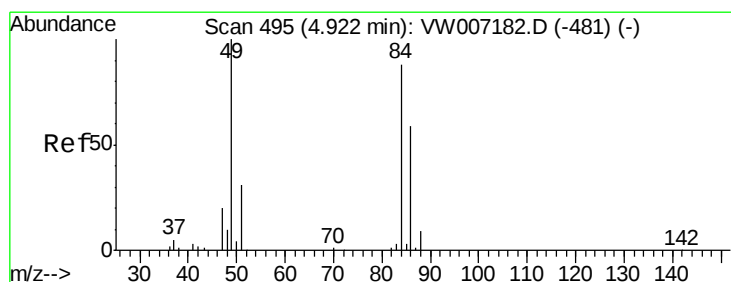
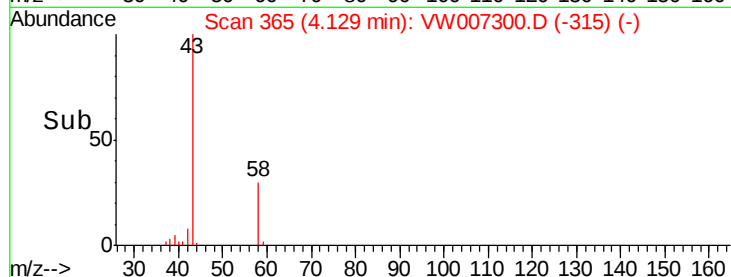
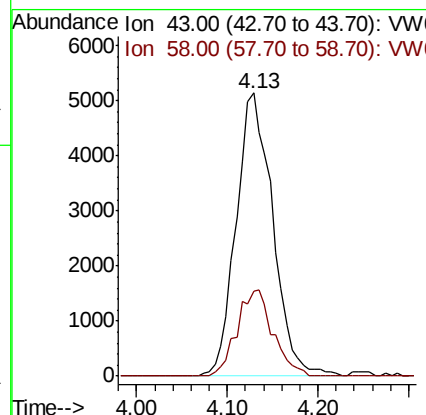
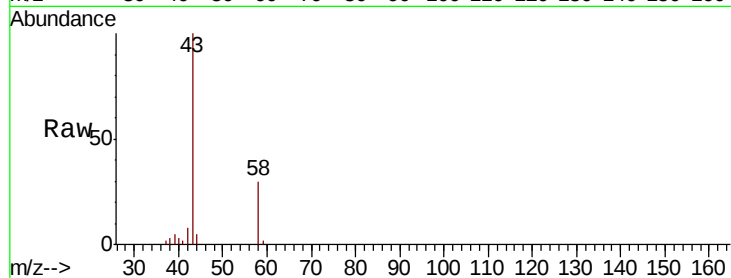
ClientSampleId :

Tot Ion: 43 Resp: 14401

Ion Ratio Lower Upper

43 100

58 29.9 23.8 35.8



#20

Methylene Chloride

Concen: 6.056 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Tgt Ion: 84 Resp: 10400

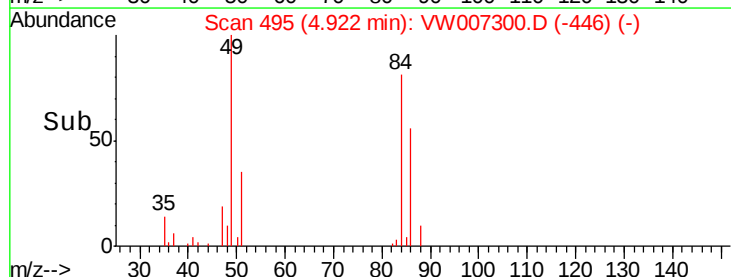
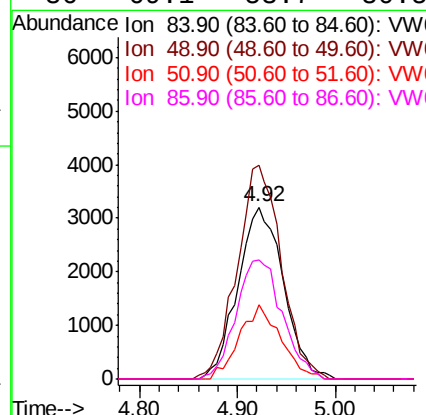
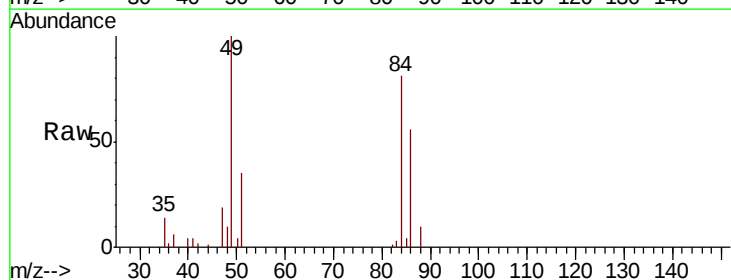
Ion Ratio Lower Upper

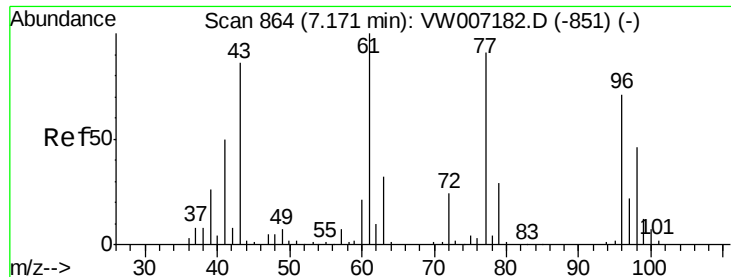
84 100

49 124.1 90.6 135.8

51 43.0 27.6 41.4#

86 69.1 53.7 80.5

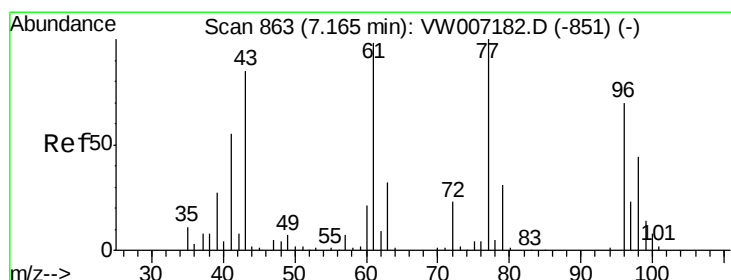
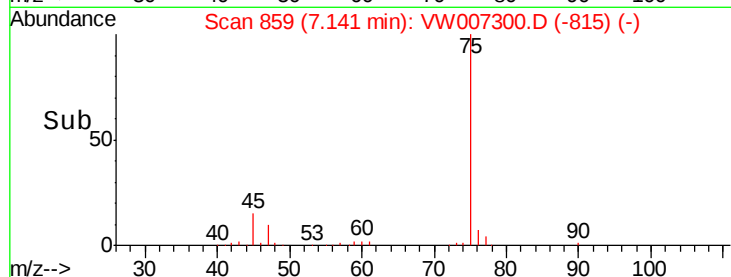
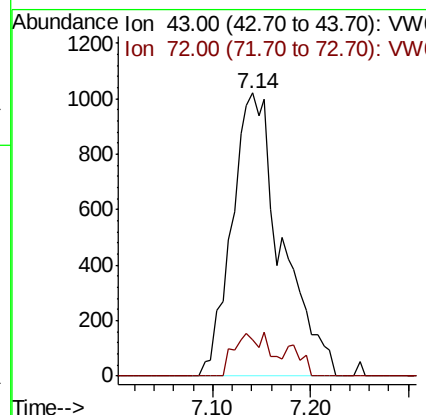
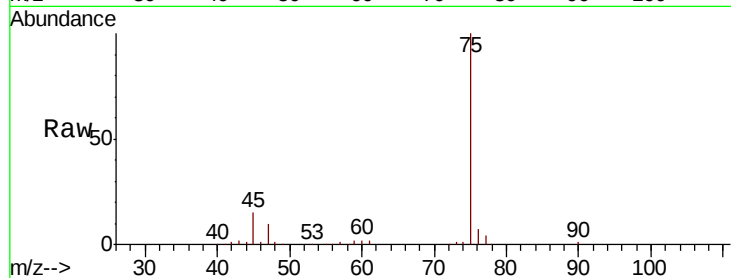




#25
 2-Butanone
 Concen: 16.013 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

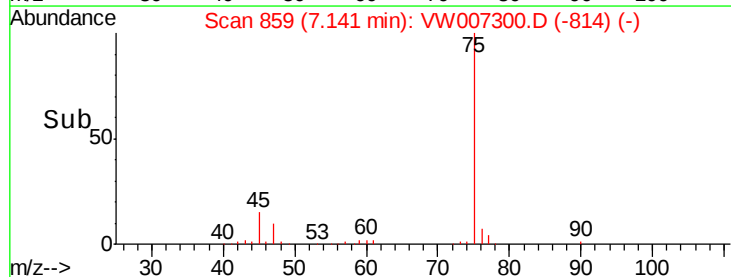
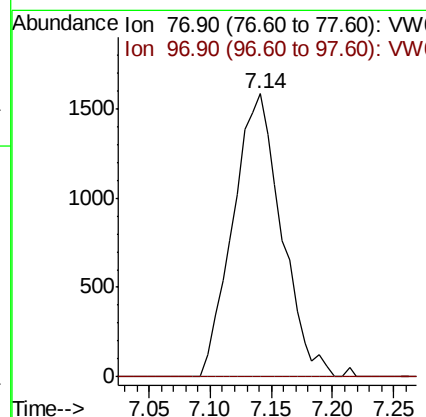
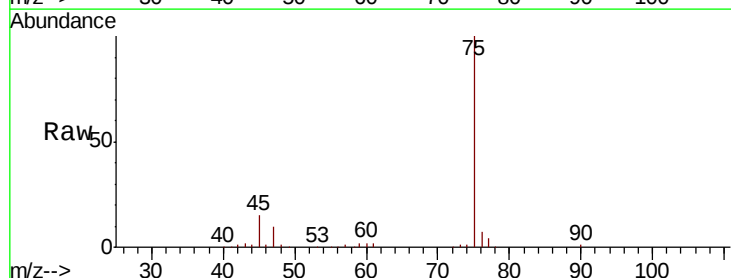
Instrument :
 MSVOA_W
 ClientSampleId :

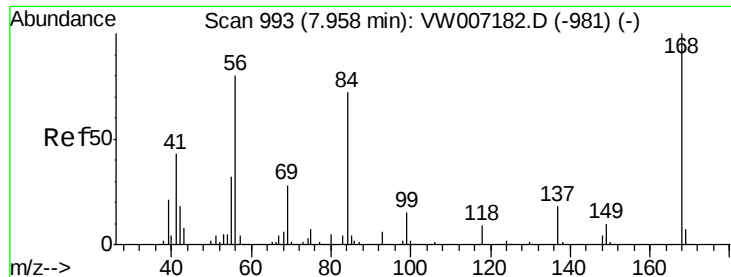
Tot Ion: 43 Resp: 3603
 Ion Ratio Lower Upper
 43 100
 72 12.7 22.8 34.2#



#26
 2,2-Dichloropropane
 Concen: 2.914 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Tgt Ion: 77 Resp: 4354
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#

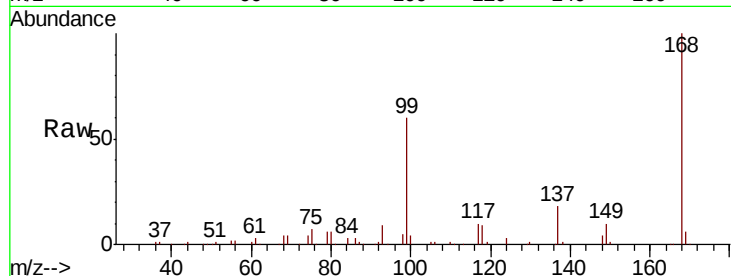




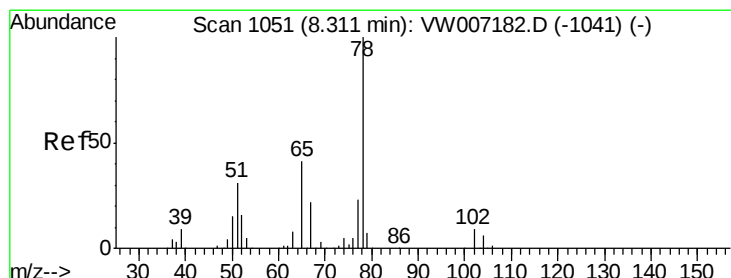
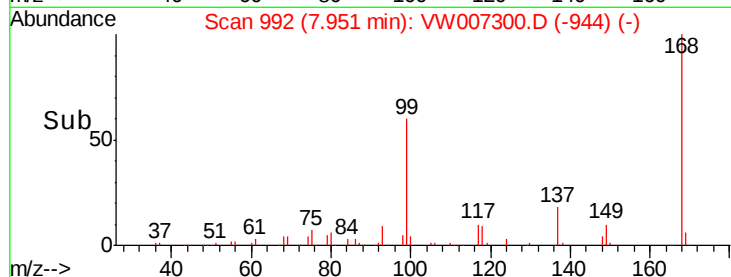
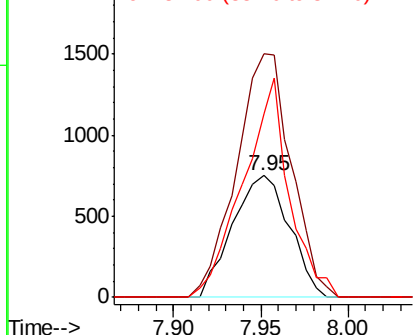
#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1698
Ion Ratio Lower Upper
56 100
69 200.4 28.2 42.2#
84 151.1 72.1 108.1#

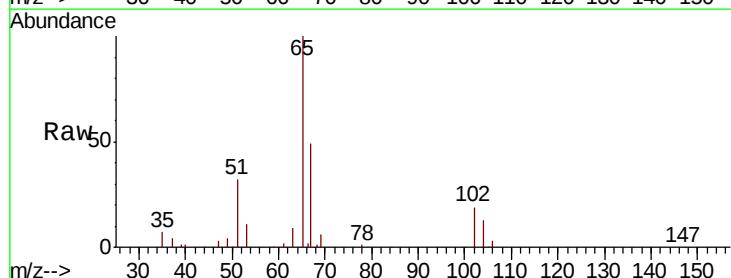


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

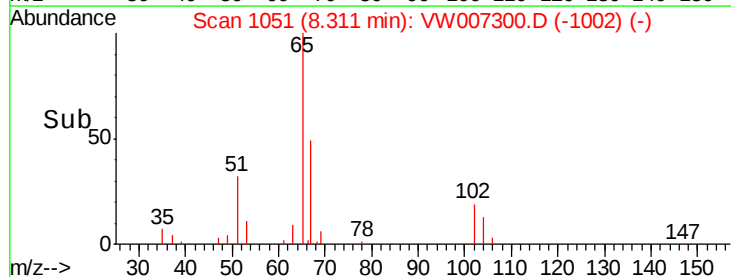
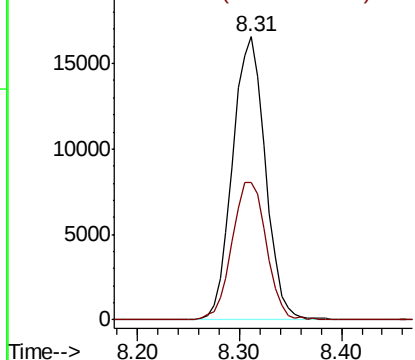


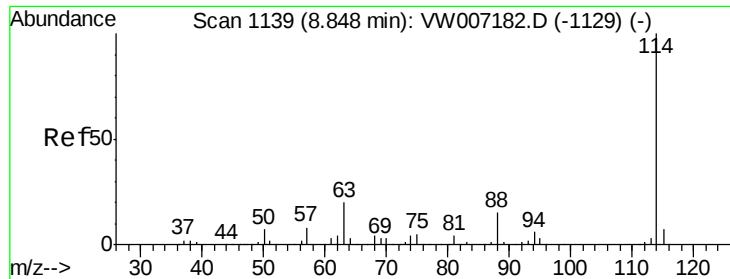
#33
1,2-Dichloroethane-d4
Concen: 44.810 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

Tgt Ion: 65 Resp: 36740
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.4



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

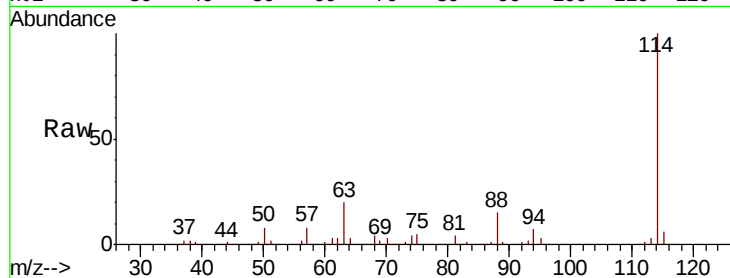




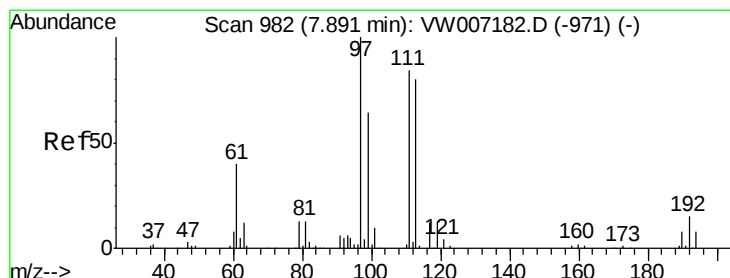
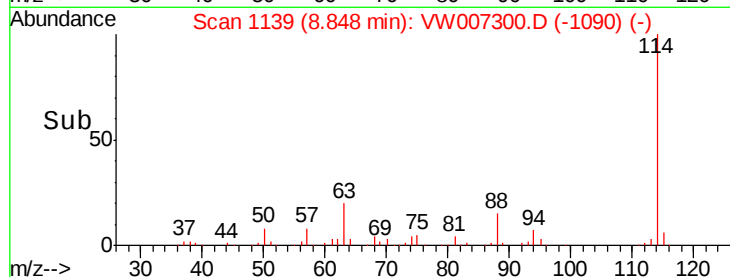
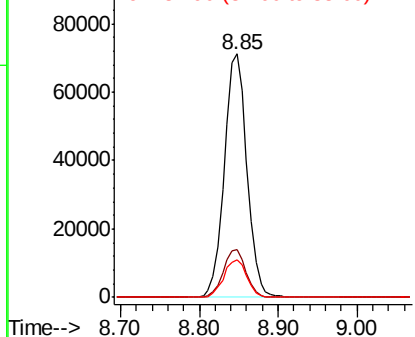
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.2
88	15.5	0.0	30.0

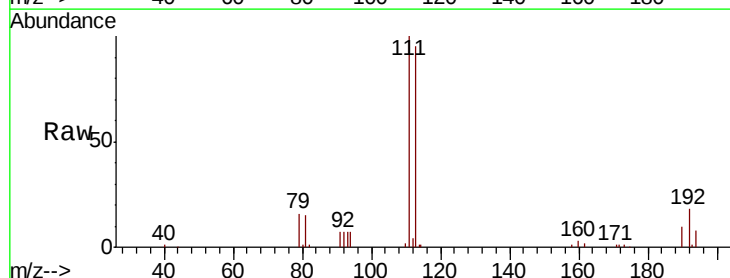


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

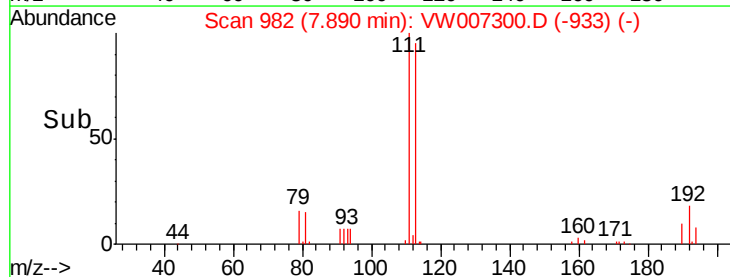
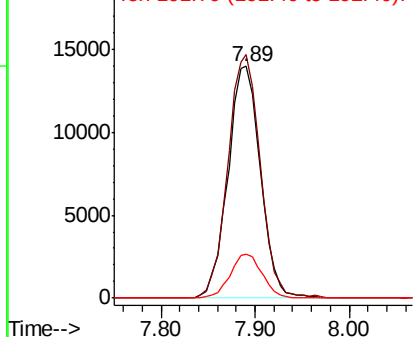


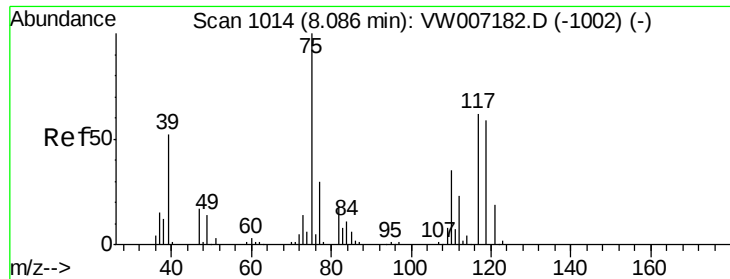
#35
 Dibromofluoromethane
 Concen: 41.397 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.2	123.4
192	18.6	14.4	21.6



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

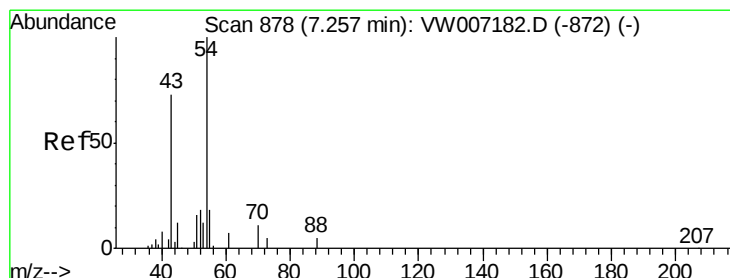
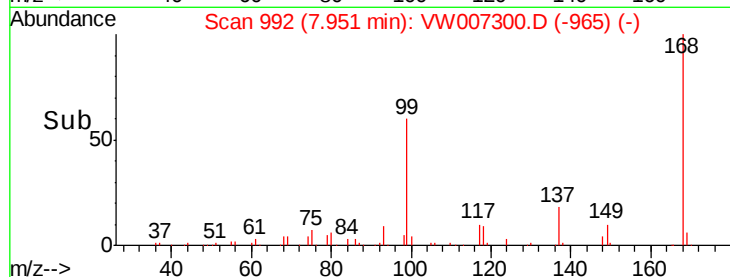
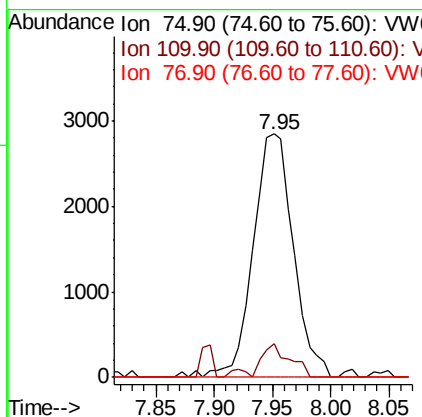
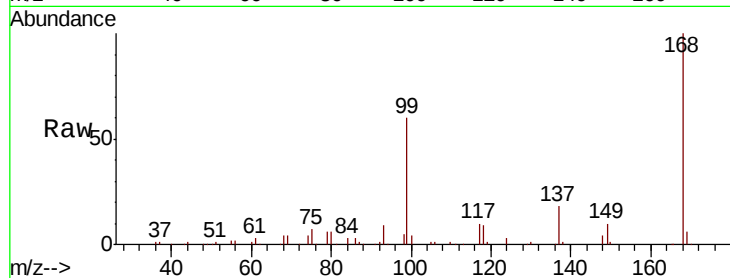




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

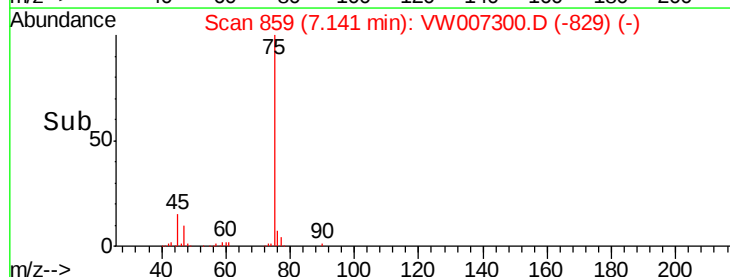
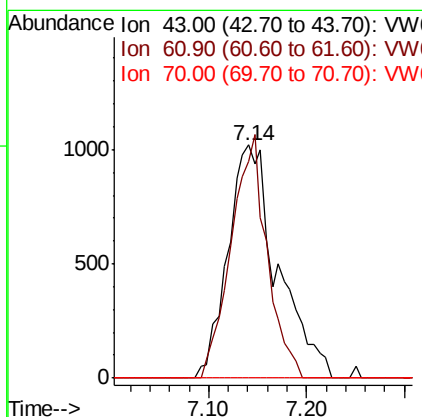
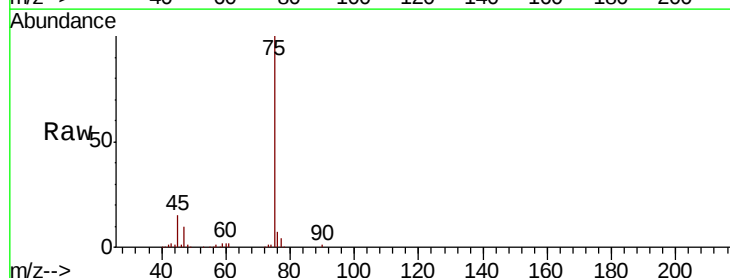
Instrument :
 MSVOA_W
 ClientSampleId :

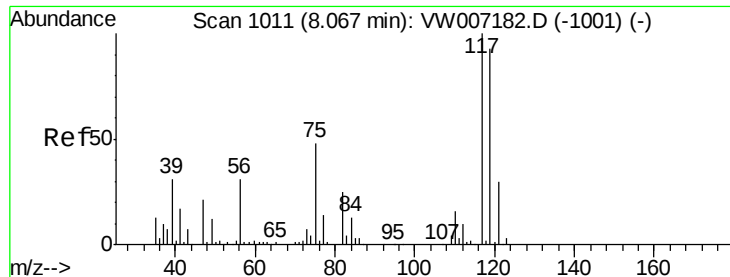
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.9#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 7.237 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.12 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	75.1	12.1	18.1#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

ClientSampled :

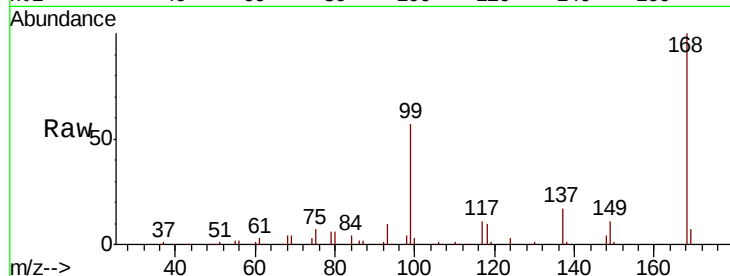
Tot Ion:117 Resp: 9047

Ion Ratio Lower Upper

117 100

119 5.9 74.1 111.1#

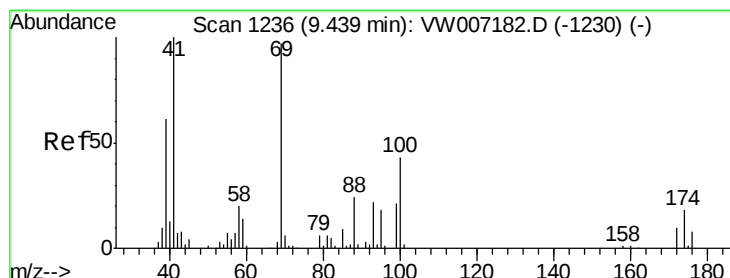
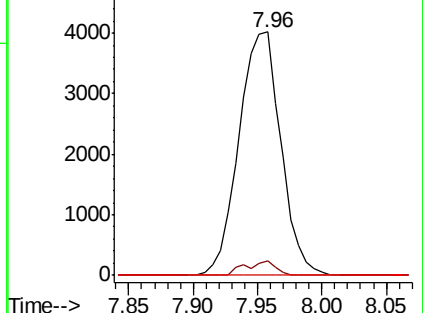
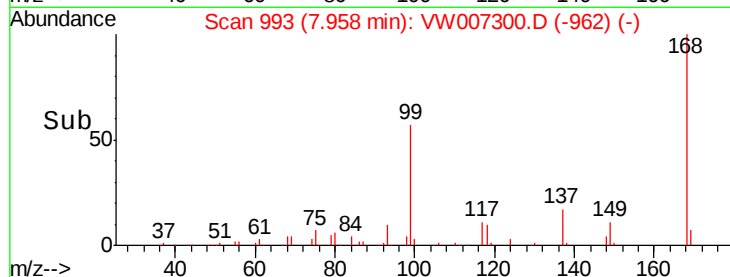
121 0.0 23.9 35.9#



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



#48

Methyl methacrylate

Concen: 1.393 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.10 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

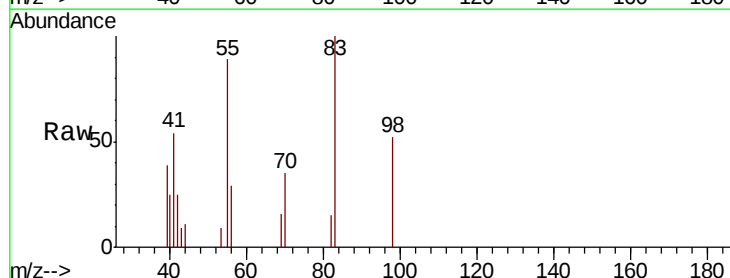
Tgt Ion: 41 Resp: 699

Ion Ratio Lower Upper

41 100

69 52.9 69.6 104.4#

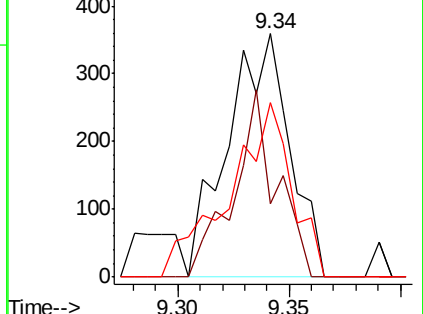
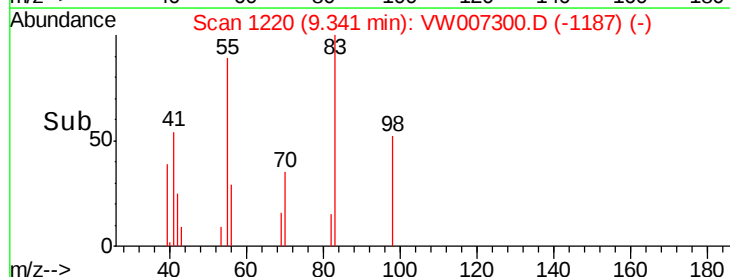
39 71.8 42.4 63.6#

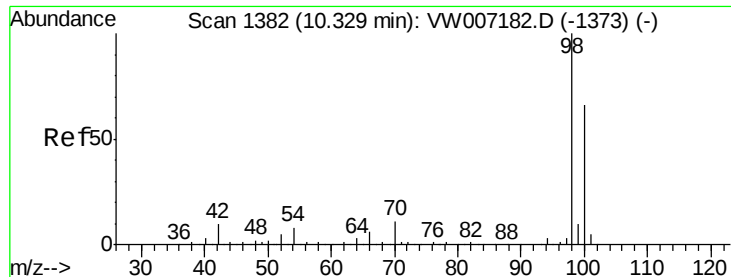


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 31.219 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

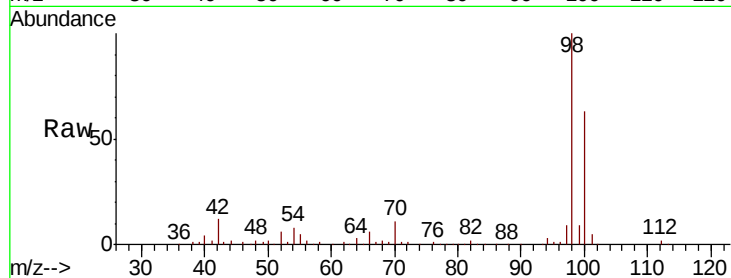
ClientSampleId :

Tot Ion: 98 Resp: 111378

Ion Ratio Lower Upper

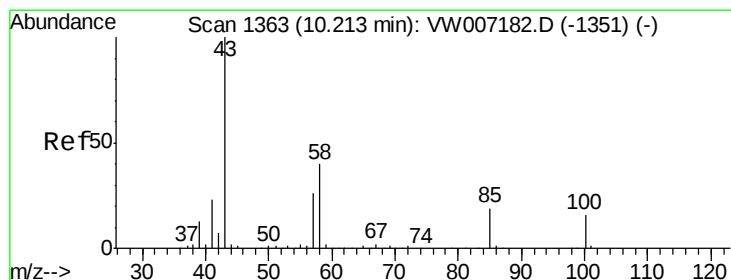
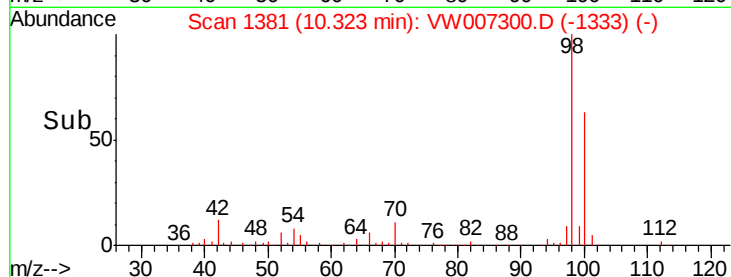
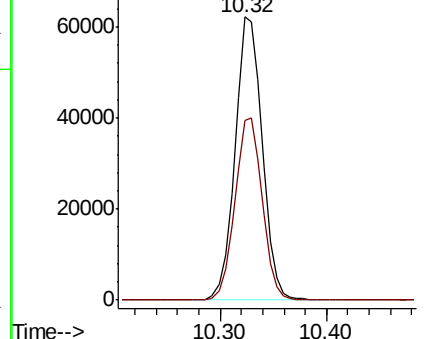
98 100

100 64.5 52.7 79.1



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: 2.094 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007300.D

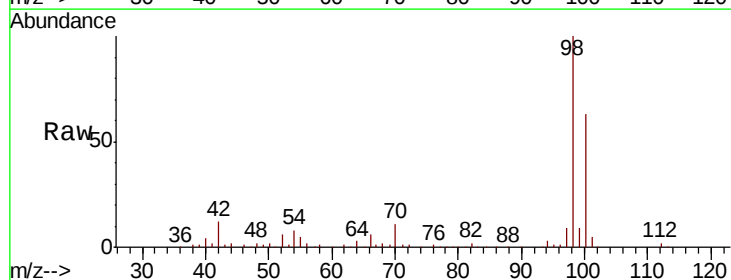
Acq: 07 Dec 2018 00:40

Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

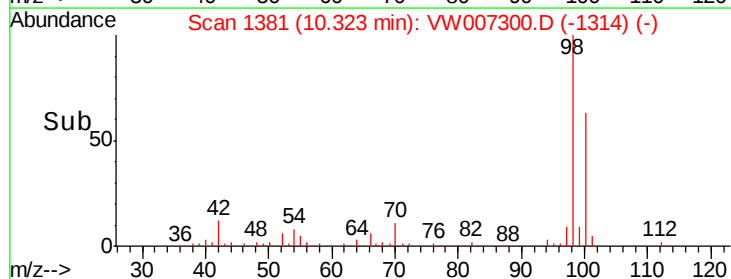
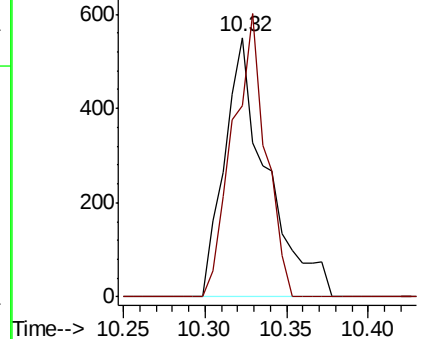
43 100

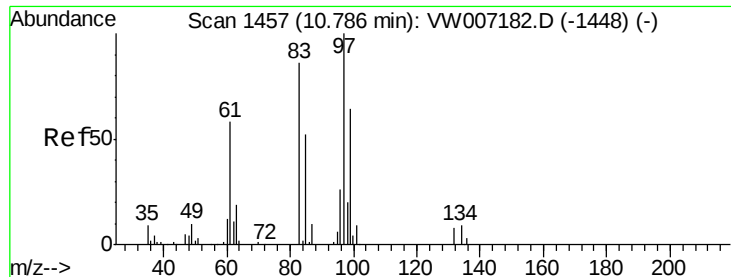
58 85.4 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

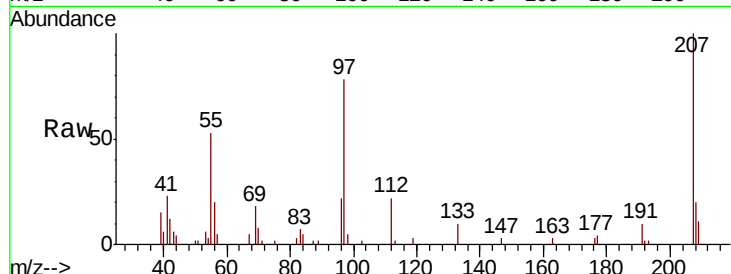




#55
 1,1,2-Trichloroethane
 Concen: 7.302 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	97	Resp	4740
Ion Ratio	Lower	Upper	
97	100		
83	8.8	68.6	102.8#
85	0.0	41.4	62.2#
99	0.0	51.2	76.8#



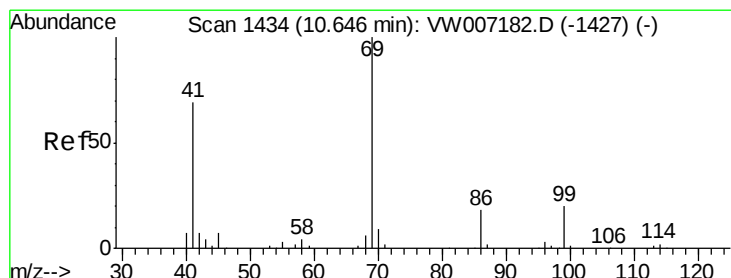
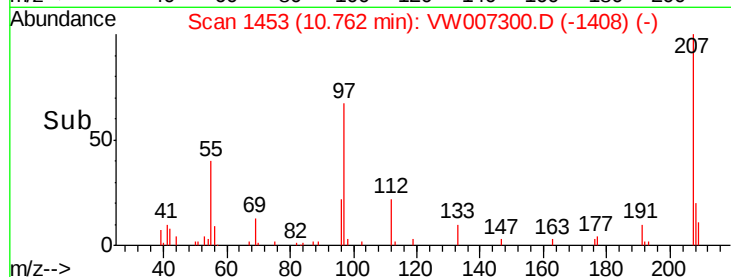
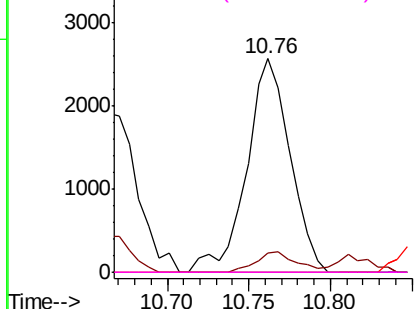
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

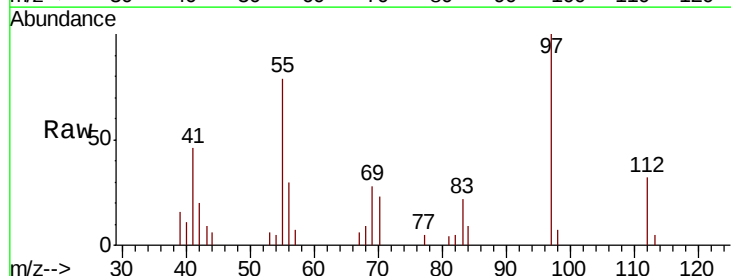
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 1.121 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW007300.D
 Acq: 07 Dec 2018 00:40

Tgt Ion	69	Resp	949
Ion Ratio	Lower	Upper	
69	100		
41	182.5	51.8	77.6#
39	83.8	28.7	43.1#

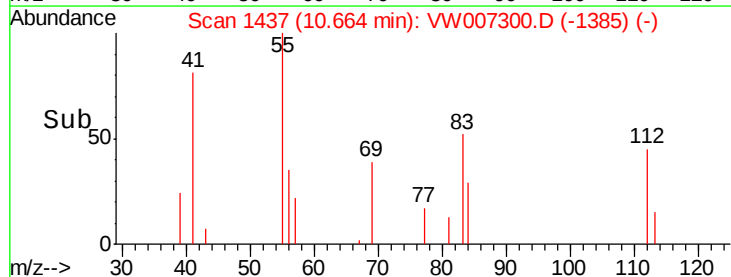
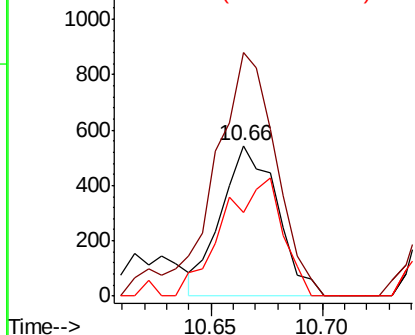


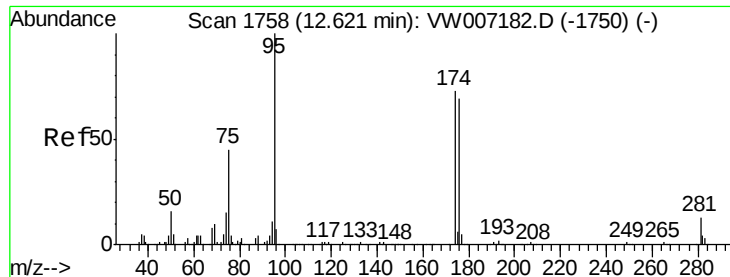
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

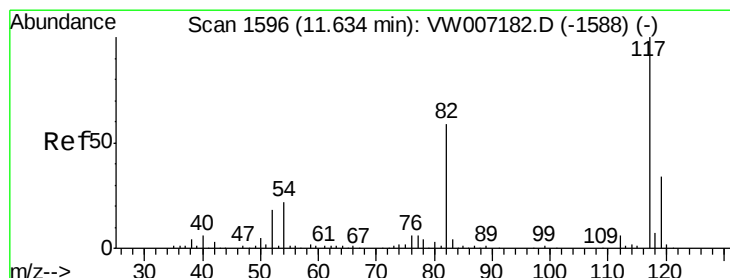
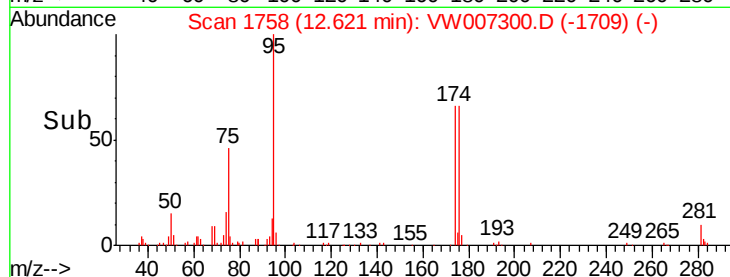
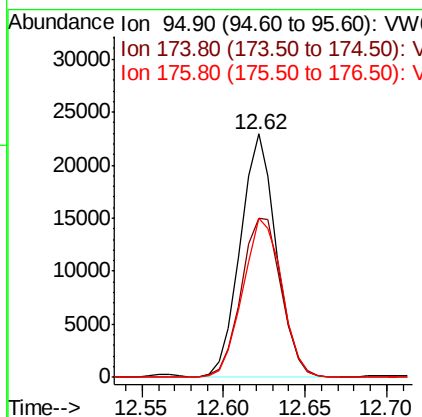
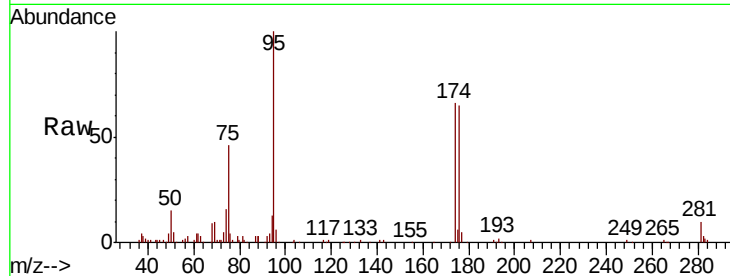




#62
4-Bromofluorobenzene
Concen: 26.258 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

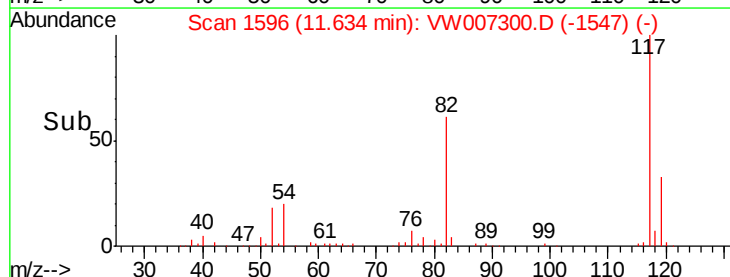
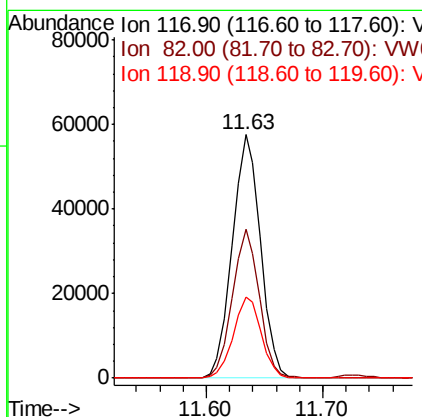
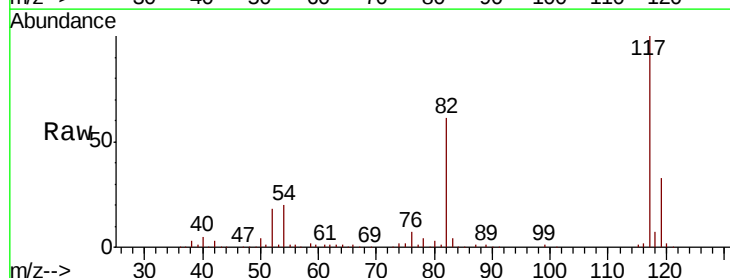
Instrument :
MSVOA_W
ClientSampleId :

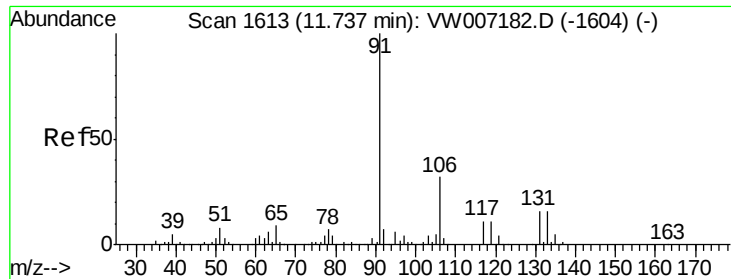
Tot Ion: 95 Resp: 35359
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.0
176 70.5 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

Tgt Ion: 117 Resp: 97292
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 33.3 26.8 40.2

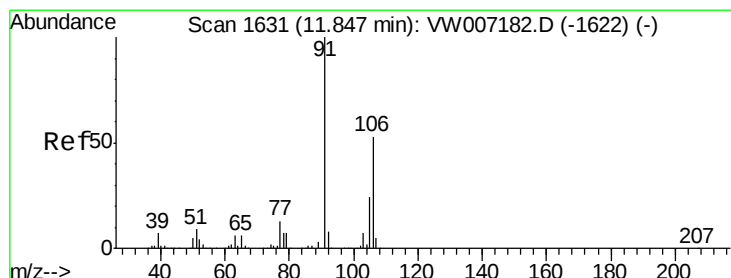
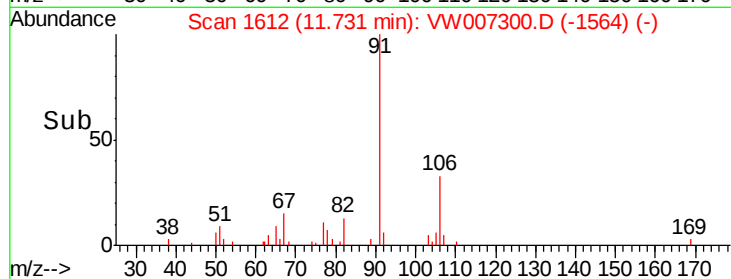
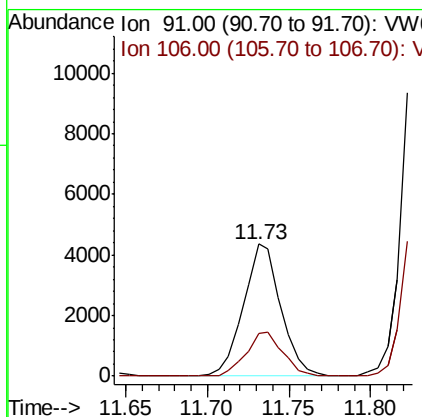
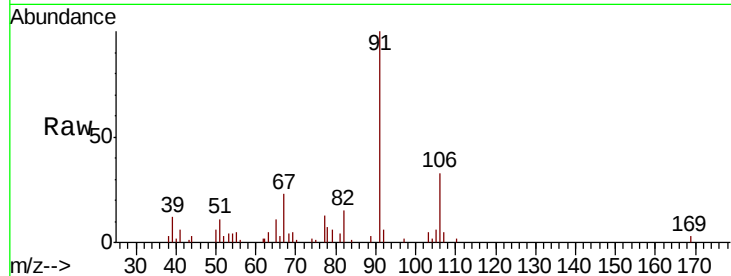




#67
Ethyl Benzene
Concen: 1.761 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

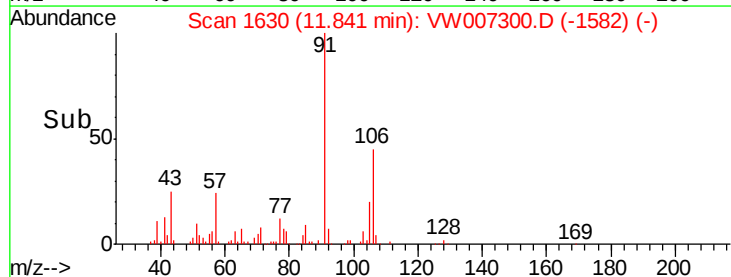
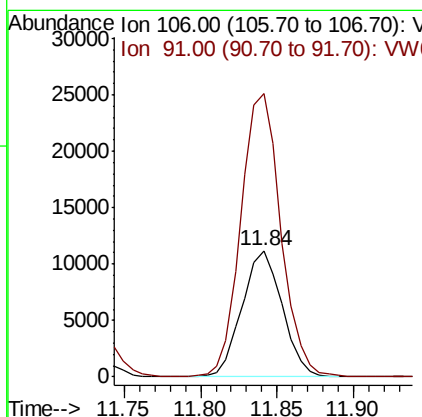
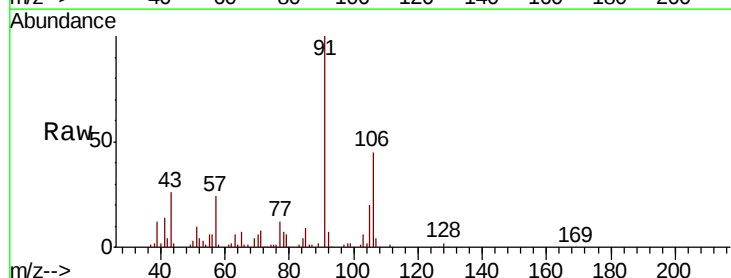
Instrument :
MSVOA_W
ClientSampled :

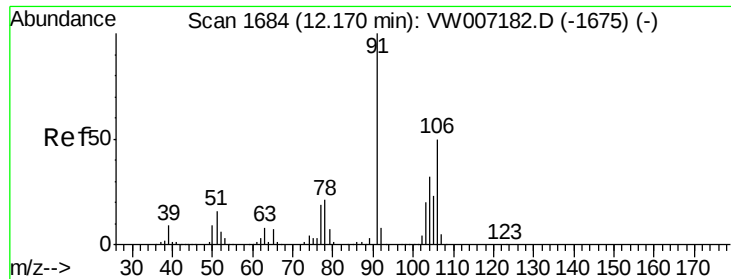
Tot Ion: 91 Resp: 6974
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0



#68
m/p-Xylenes
Concen: 13.103 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

Tgt Ion: 106 Resp: 20357
Ion Ratio Lower Upper
106 100
91 224.2 160.2 240.4

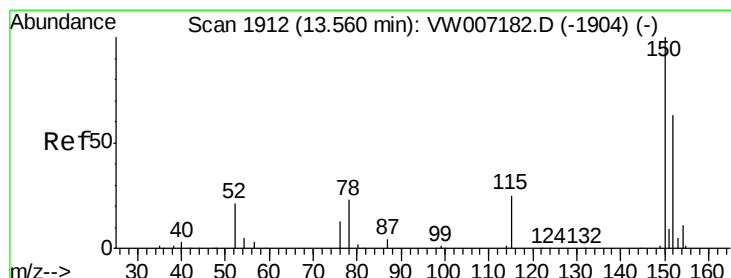
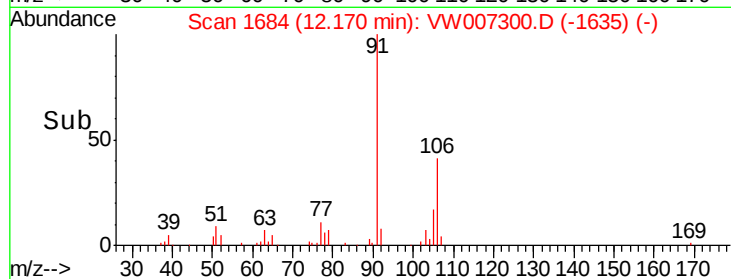
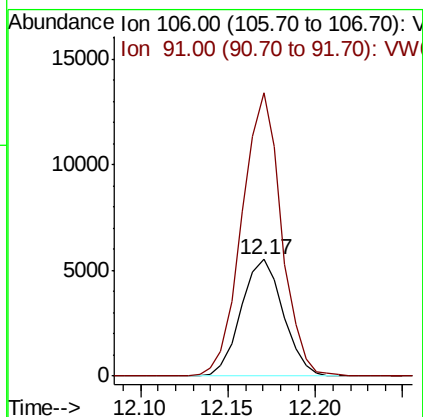
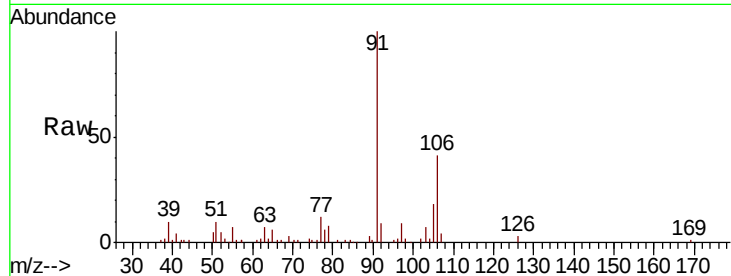




#69
o-Xylene
Concen: 6.355 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

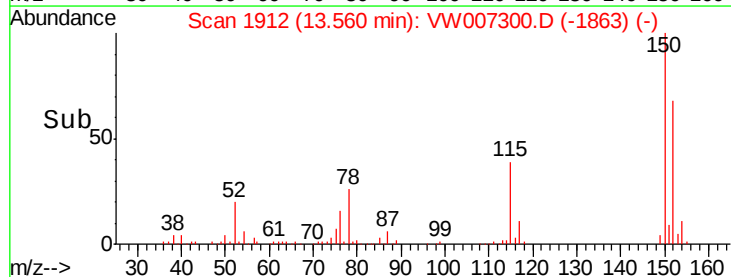
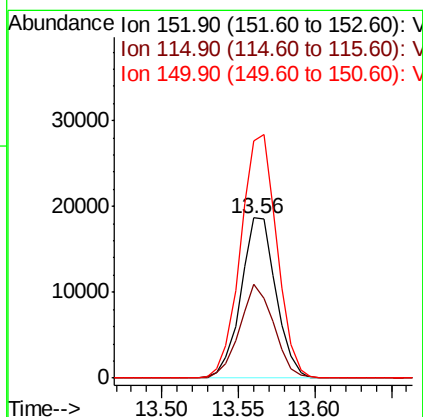
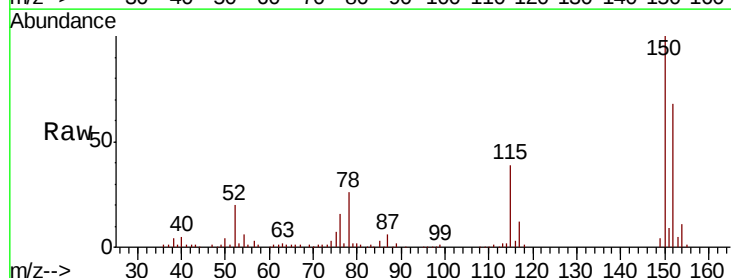
Instrument :
MSVOA_W
ClientSampled :

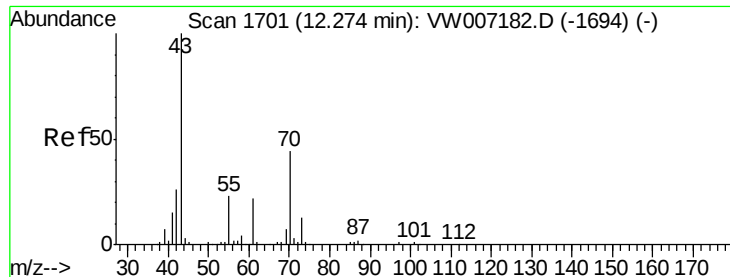
Tot Ion:106 Resp: 9224
Ion Ratio Lower Upper
106 100
91 228.0 104.9 314.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007300.D
Acq: 07 Dec 2018 00:40

Tgt Ion:152 Resp: 29624
Ion Ratio Lower Upper
152 100
115 57.3 31.3 93.8
150 156.8 0.0 358.0





#74

N-amvl acetate

Concen: 2.257 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 964

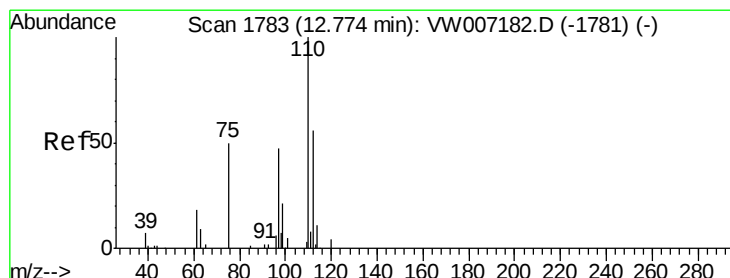
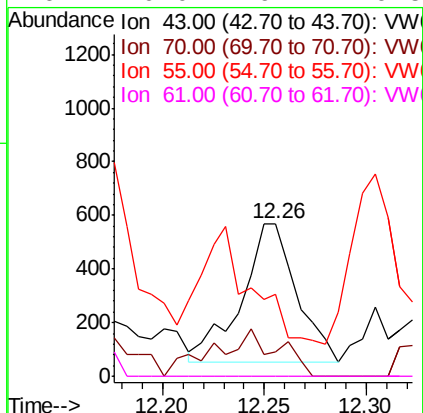
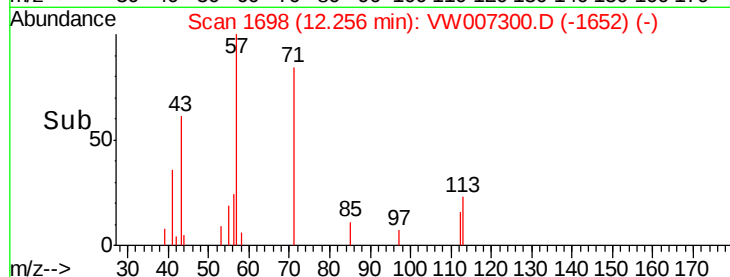
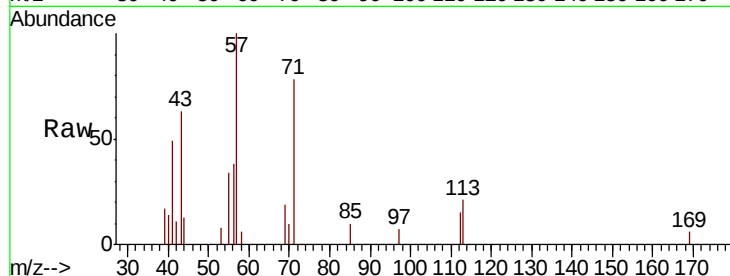
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 19.0 28.6#

61 0.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 75.403 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007300.D

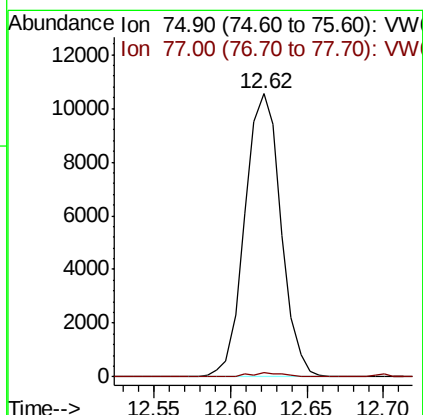
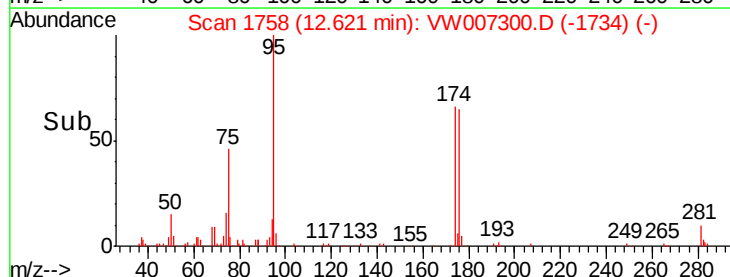
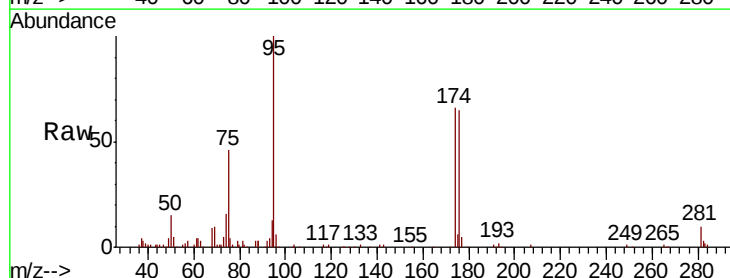
Acq: 07 Dec 2018 00:40

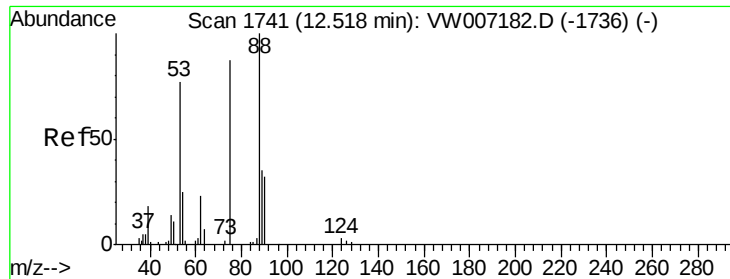
Tgt Ion: 75 Resp: 17296

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 162.520 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

ClientSampleId :

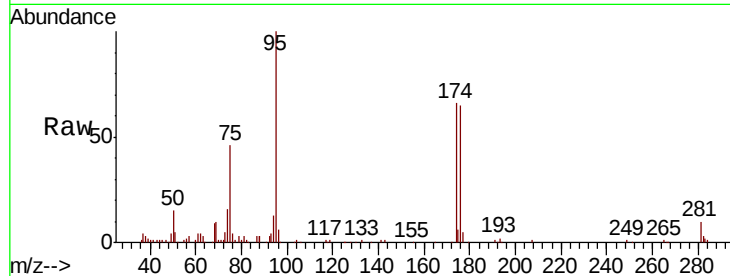
Tot Ion: 75 Resp: 17296

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

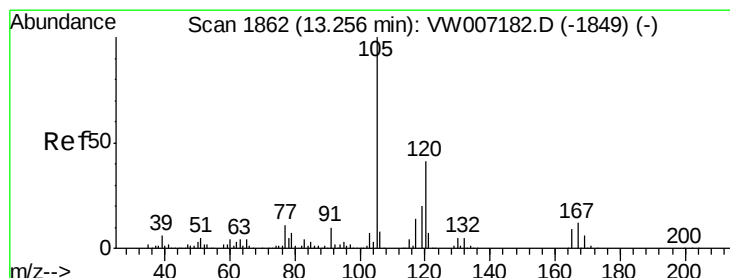
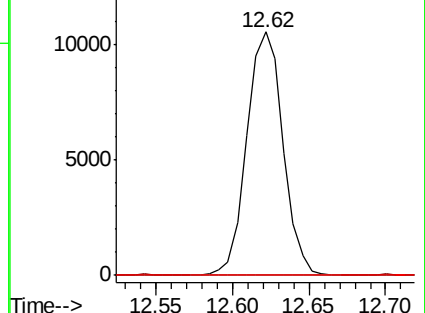
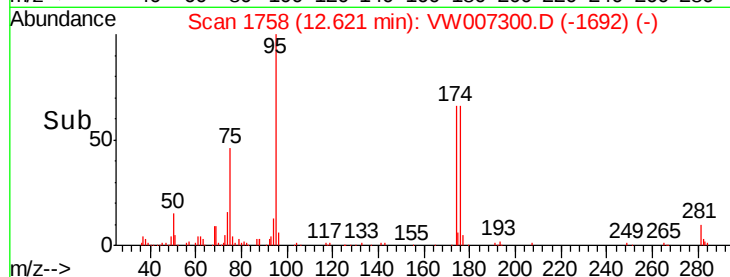
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 1.734 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007300.D

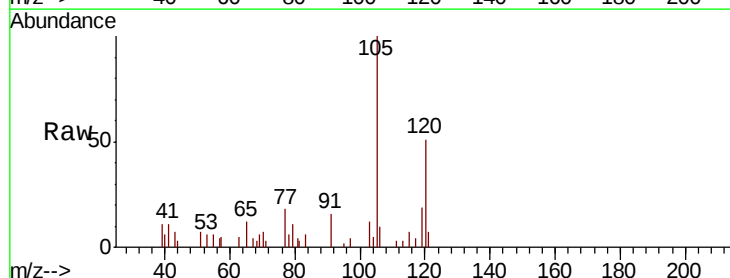
Acq: 07 Dec 2018 00:40

Tgt Ion: 105 Resp: 3649

Ion Ratio Lower Upper

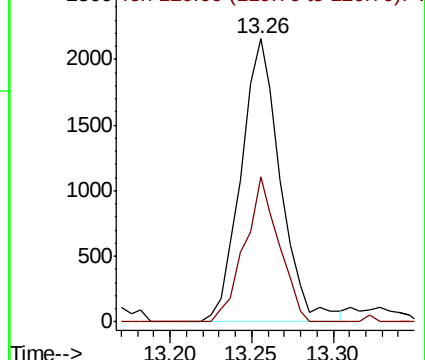
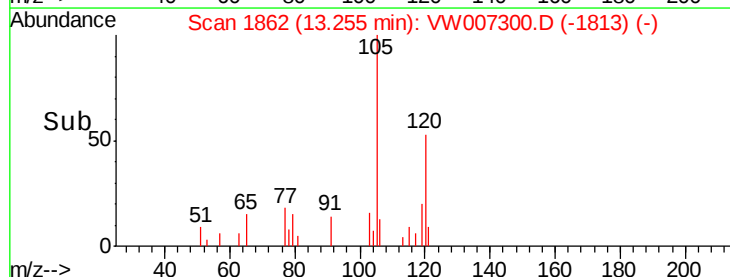
105 100

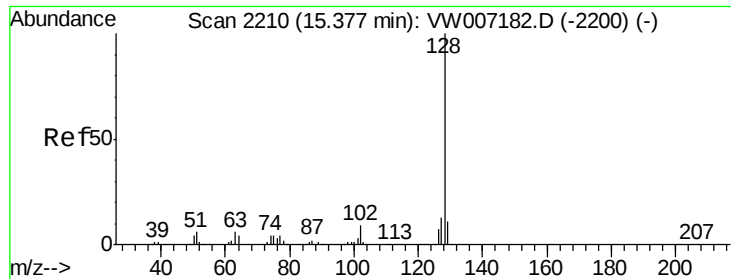
120 44.3 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.721 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

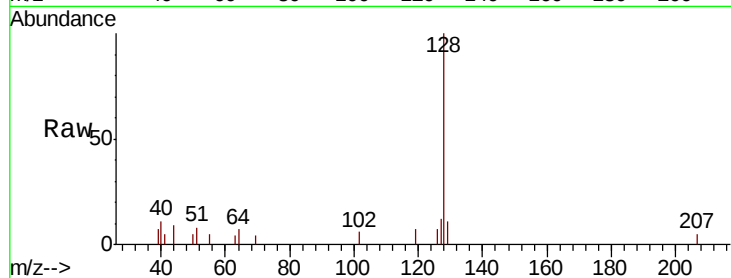
Lab File: VW007300.D

Acq: 07 Dec 2018 00:40

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:128 Resp: 1976

Ion Ratio Lower Upper

128 100

127 8.9 10.3 15.5#

129 10.7 8.6 13.0

