

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007803.D
 Acq On : 21 Dec 2018 18:57
 Operator : SY/AP
 Sample : J6392-03RE
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:49:32 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	60556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	90857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	59715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	38177	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	31467	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	
50) Toluene-d8	10.32	98	93513	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
62) 4-Bromofluorobenzene	12.62	95	24227	30.01	ug/l	0.00
Spiked Amount			Recovery	=	60.02%	

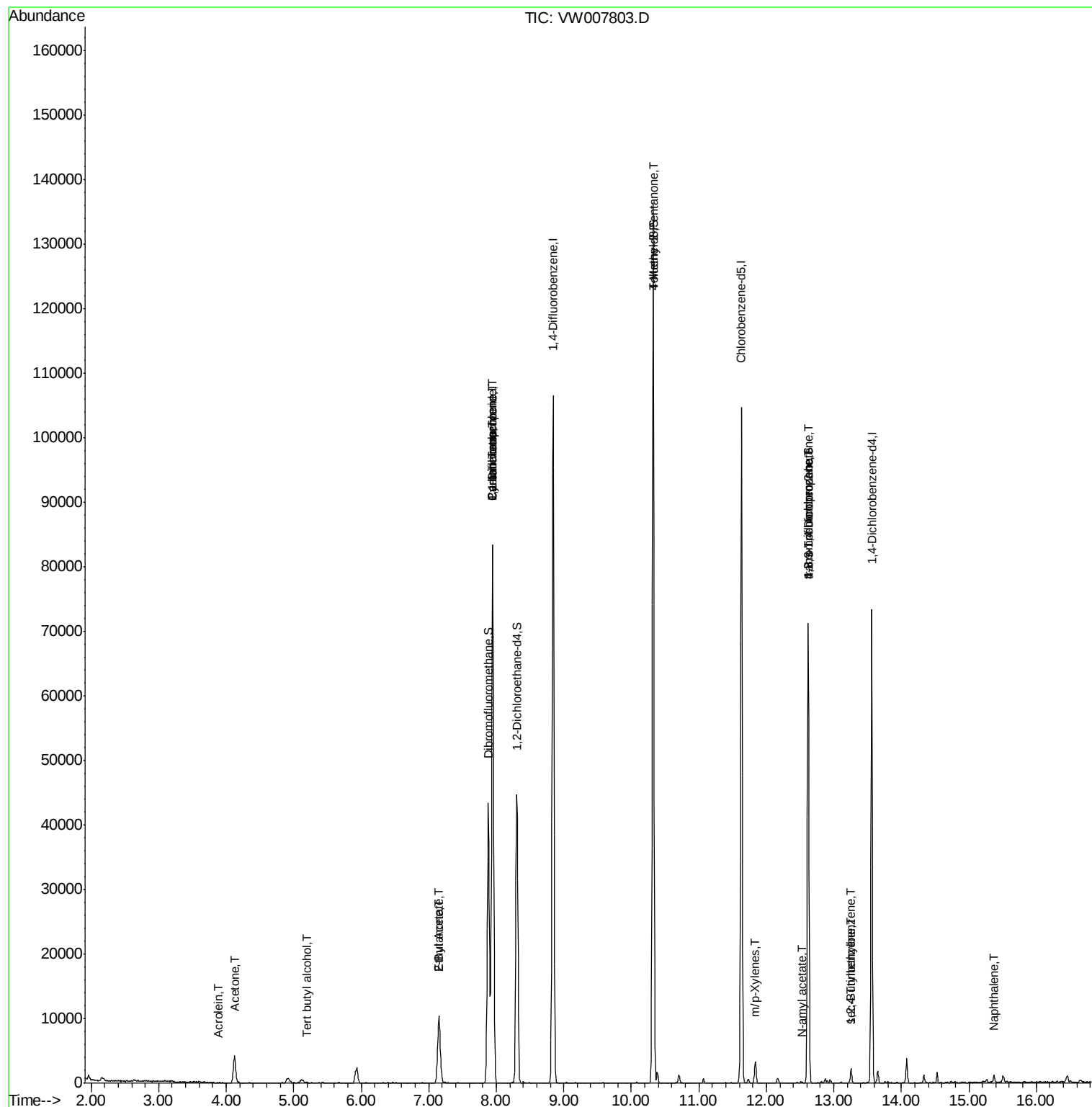
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	241	5.383	ug/l #	73
13) Acrolein	3.88	56	44	1.229	ug/l #	14
16) Acetone	4.12	43	7140	57.447	ug/l	97
20) Methylene Chloride	4.90	84	842	Below Cal	#	79
25) 2-Butanone	7.16	43	515	3.538	ug/l #	44
31) Cyclohexane	7.95	56	1193	1.207	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4616	5.264	ug/l #	48
37) Ethyl Acetate	7.16	43	515	1.702	ug/l #	1
38) Carbon Tetrachloride	7.95	117	6493	6.287	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	389	1.358	ug/l #	1
68) m/p-Xylenes	11.83	106	1205	1.401	ug/l	91
74) N-amyl acetate	12.52	43	306	1.219	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	12389	83.637	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	12389	175.561	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1523	1.208	ug/l	95
85) sec-Butylbenzene	13.26	105	1523	1.008	ug/l #	56
95) Naphthalene	15.37	128	1257	1.660	ug/l	98

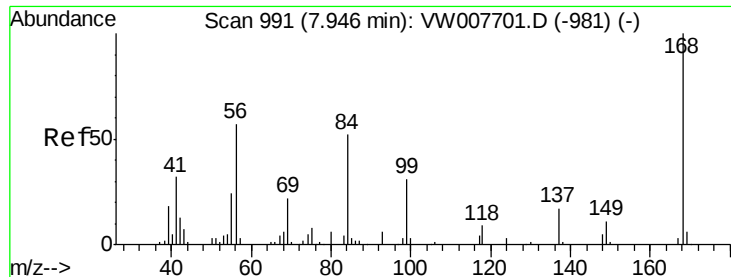
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007803.D

Acq: 21 Dec 2018 18:57

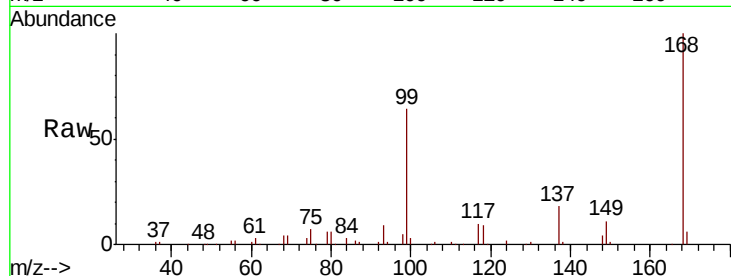
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 60556

Ion Ratio Lower Upper

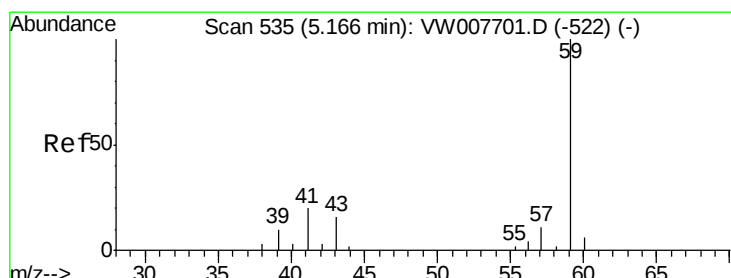
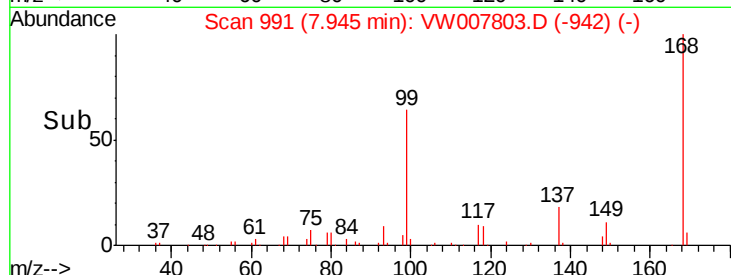
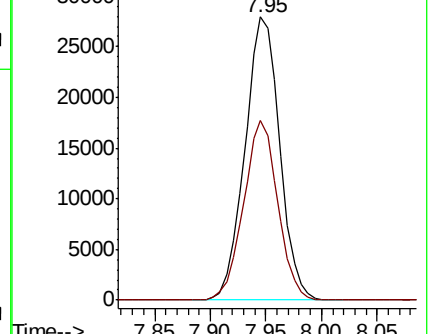
168 100

99 63.7 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: 5.383 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW007803.D

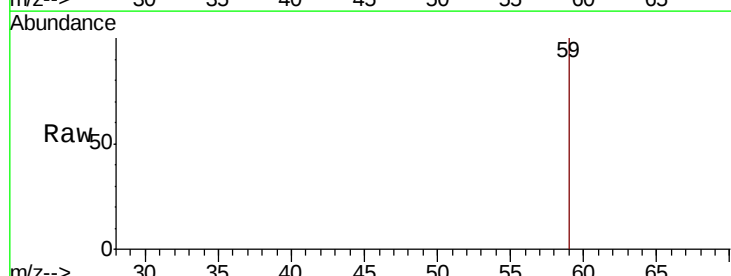
Acq: 21 Dec 2018 18:57

Tgt Ion: 59 Resp: 241

Ion Ratio Lower Upper

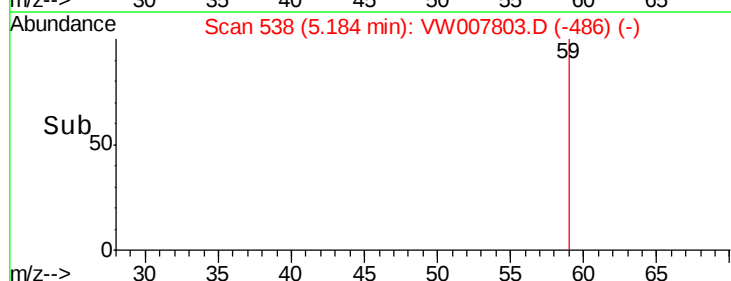
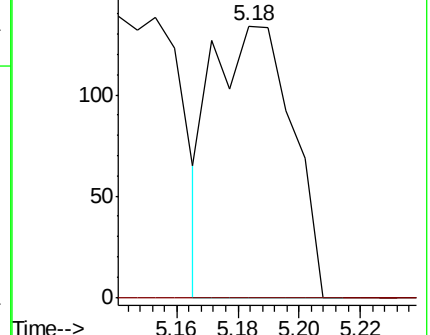
59 100

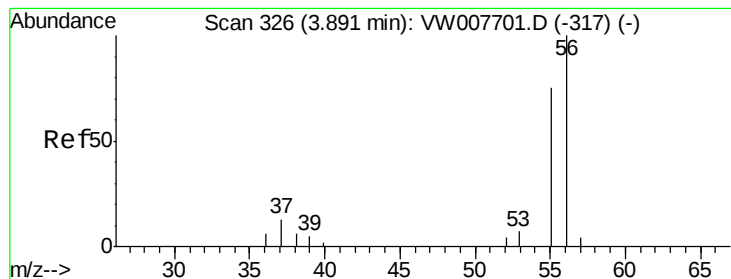
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.229 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007803.D

Acq: 21 Dec 2018 18:57

Instrument :

MSVOA_W

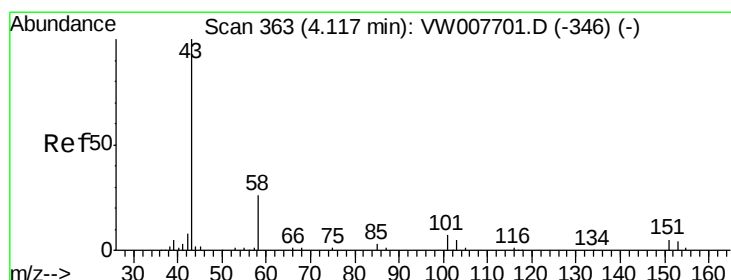
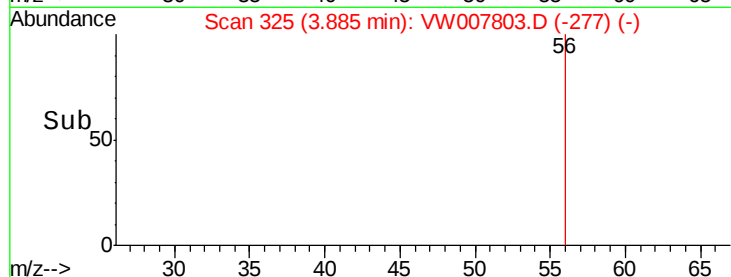
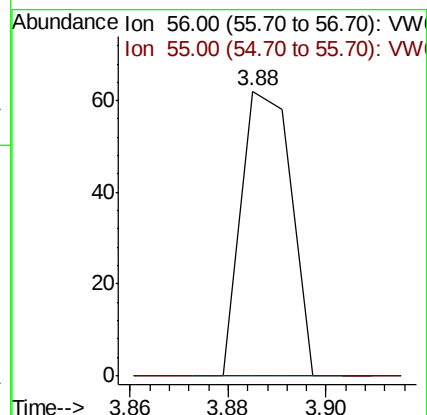
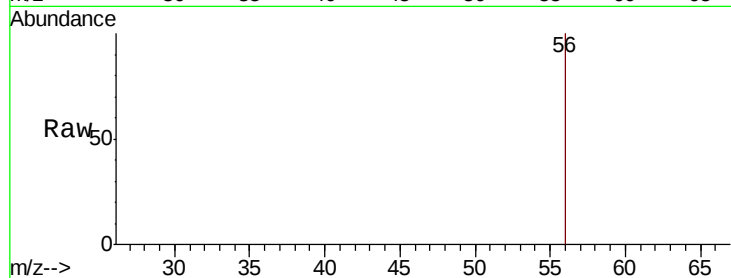
ClientSampled :

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



#16

Acetone

Concen: 57.447 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007803.D

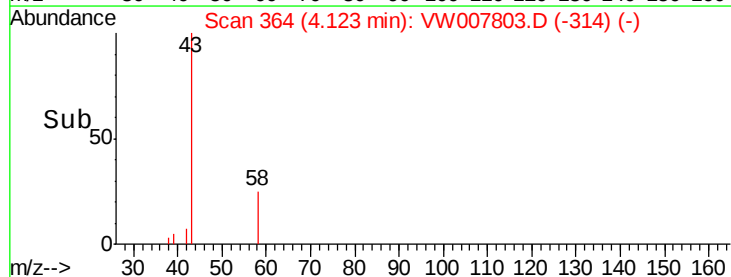
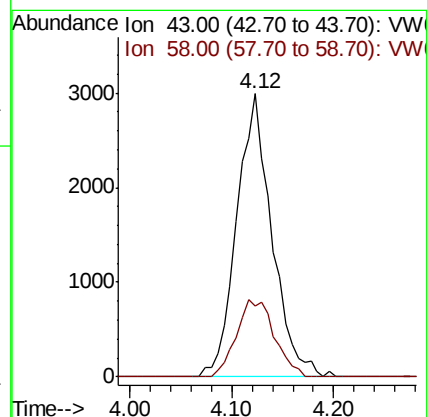
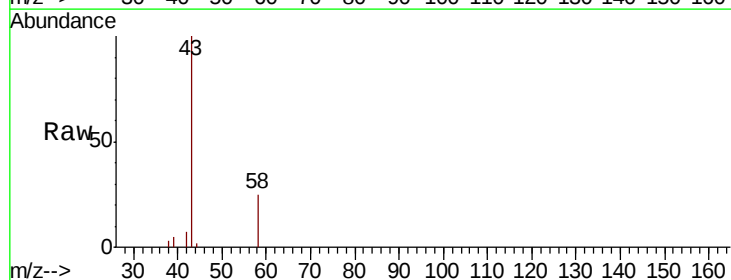
Acq: 21 Dec 2018 18:57

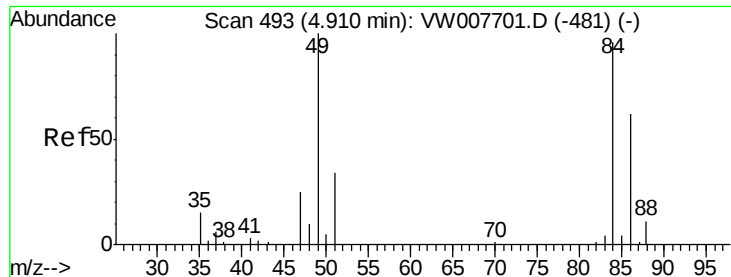
Tgt Ion: 43 Resp: 7140

Ion Ratio Lower Upper

43 100

58 24.9 21.2 31.8

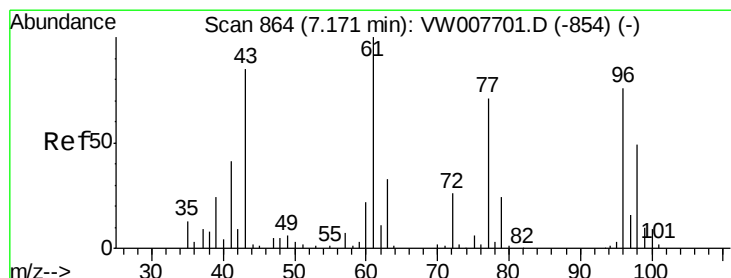
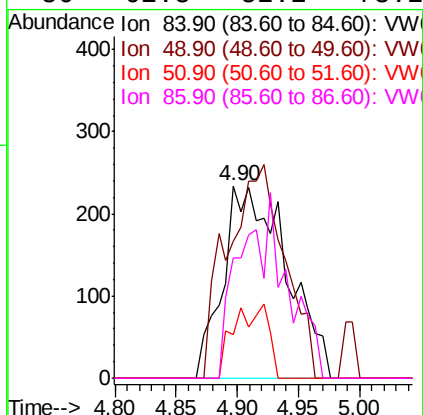
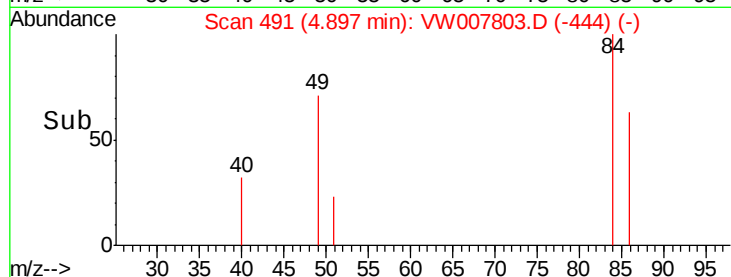
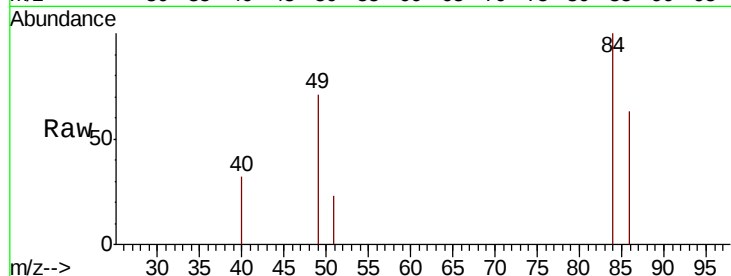




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

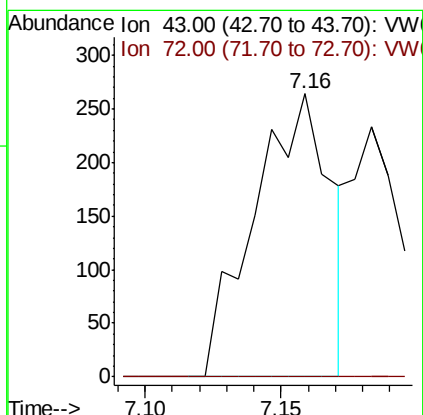
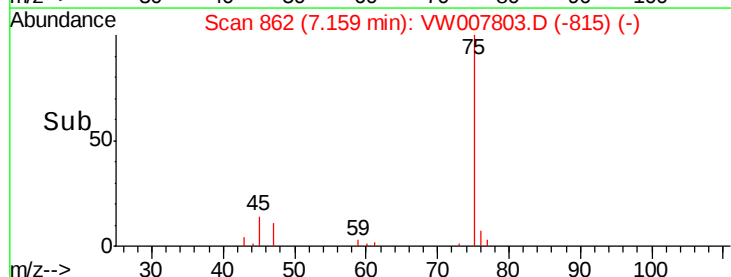
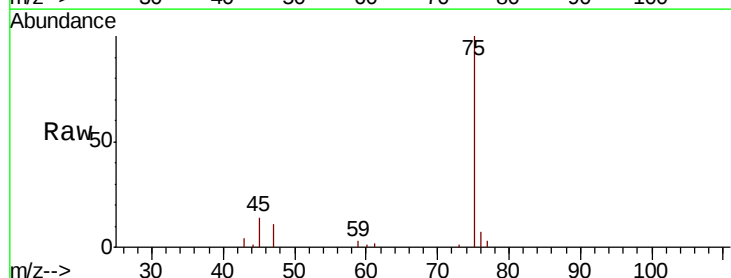
Instrument :
MSVOA_W
ClientSampleId :

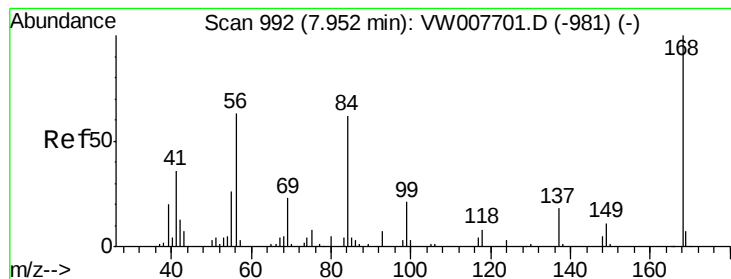
Tot Ion: 84 Resp: 842
Ion Ratio Lower Upper
84 100
49 70.9 83.7 125.5#
51 22.6 28.2 42.2#
86 62.8 52.2 78.2



#25
2-Butanone
Concen: 3.538 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
72 0.0 24.5 36.7#





#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007803.D

Acq: 21 Dec 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

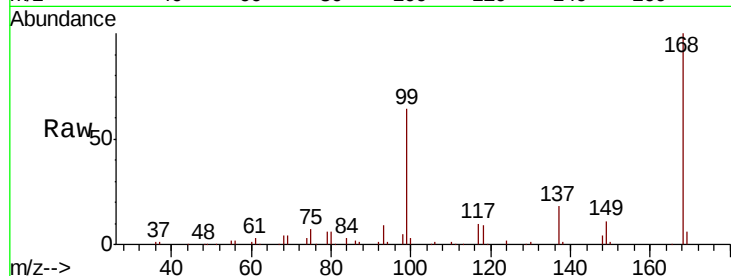
Tot Ion: 56 Resp: 1193

Ion Ratio Lower Upper

56 100

69 218.5 29.7 44.5#

84 132.5 78.9 118.3#

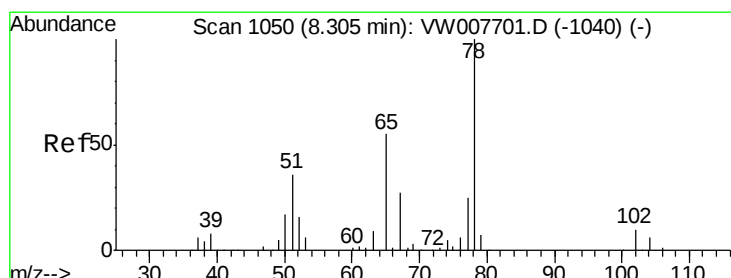
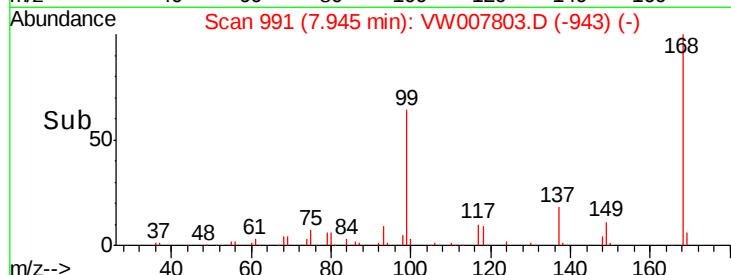
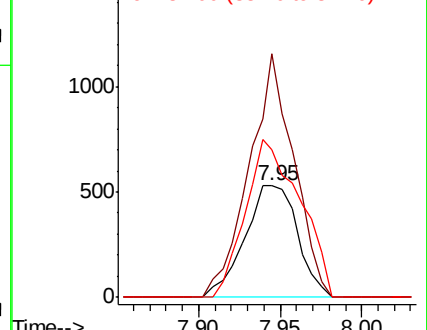


Abundance

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: 57.520 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007803.D

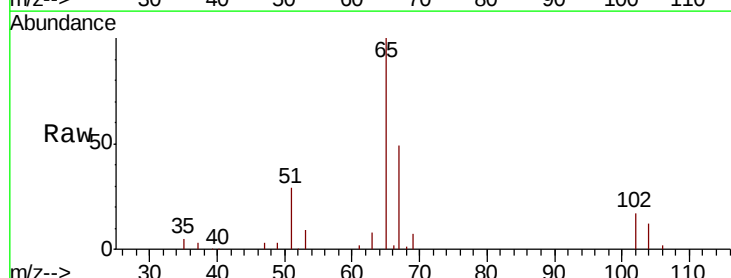
Acq: 21 Dec 2018 18:57

Tgt Ion: 65 Resp: 38177

Ion Ratio Lower Upper

65 100

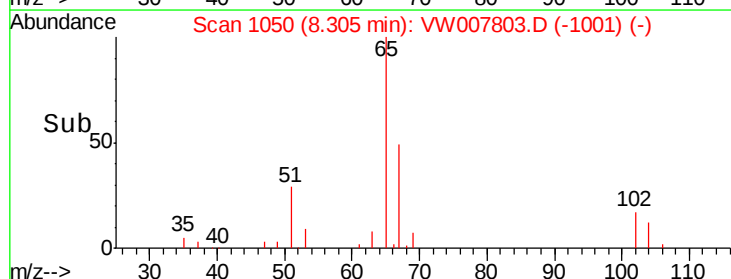
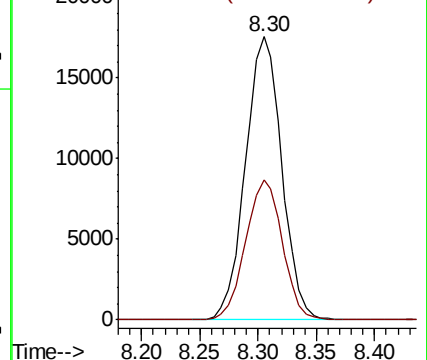
67 50.1 0.0 100.6

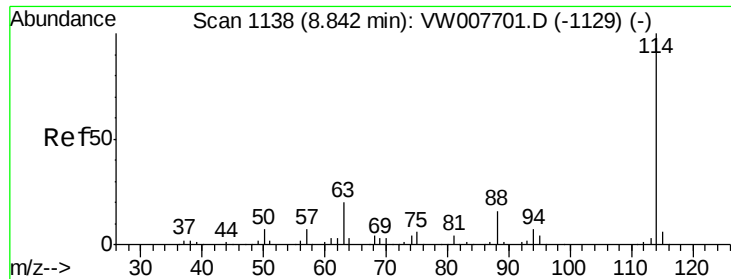


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

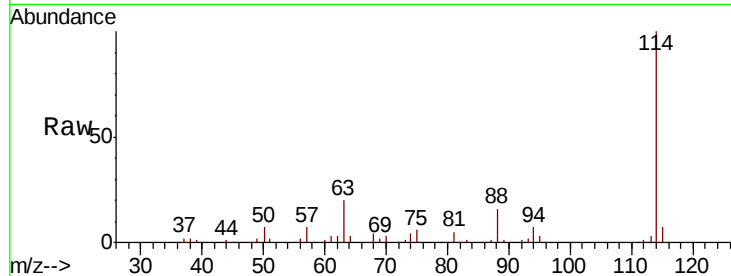




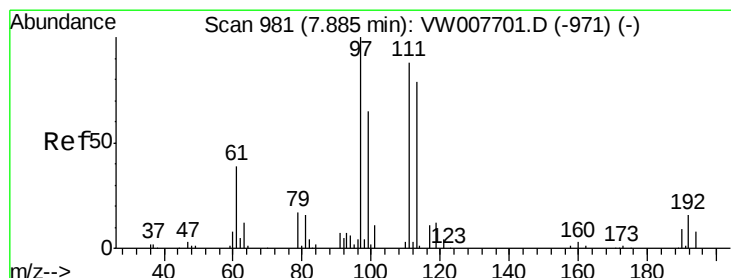
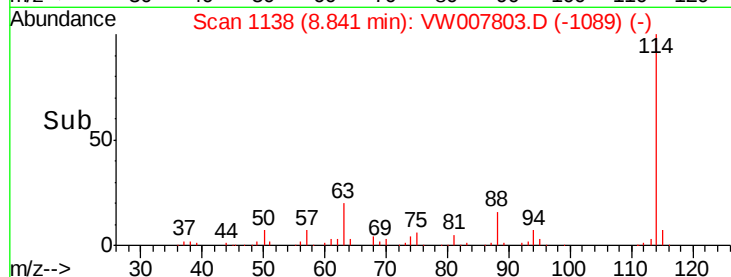
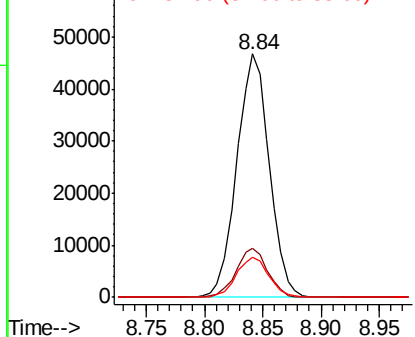
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	16.5	0.0	32.6

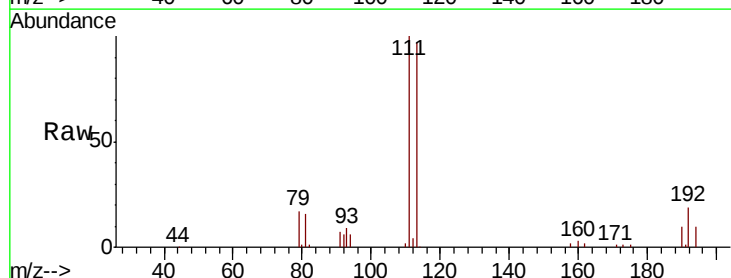


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

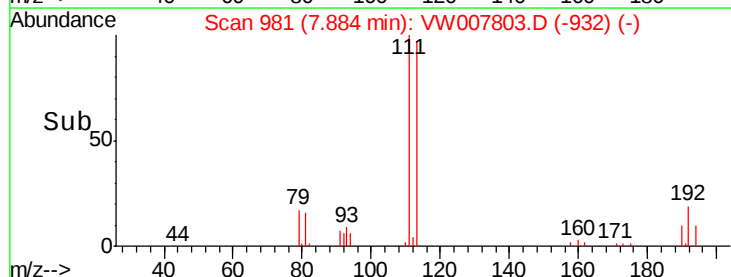
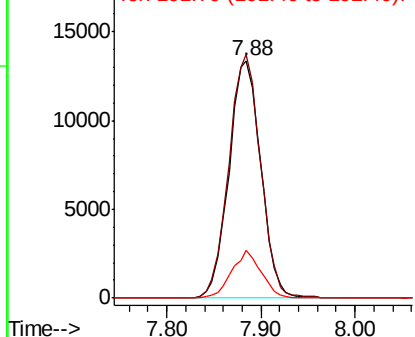


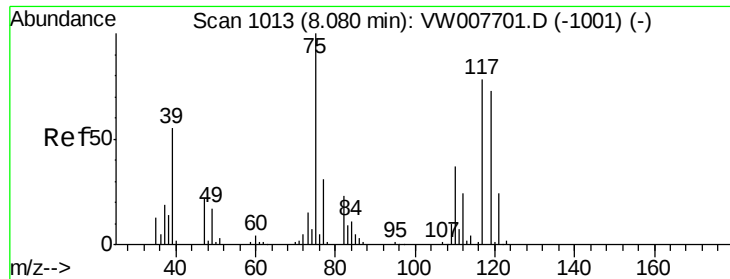
#35
 Dibromofluoromethane
 Concen: 56.772 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	18.4	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

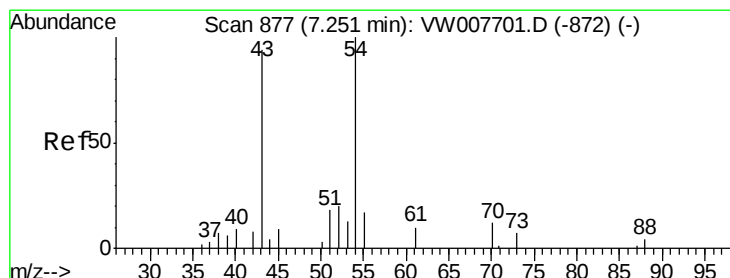
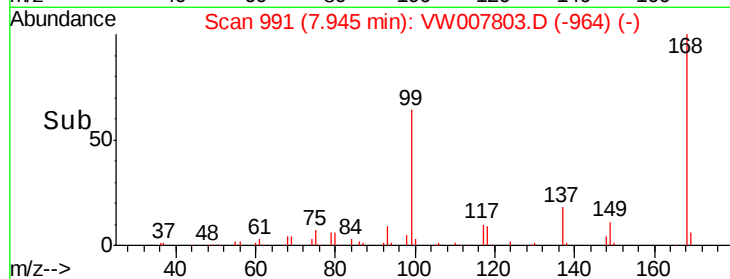
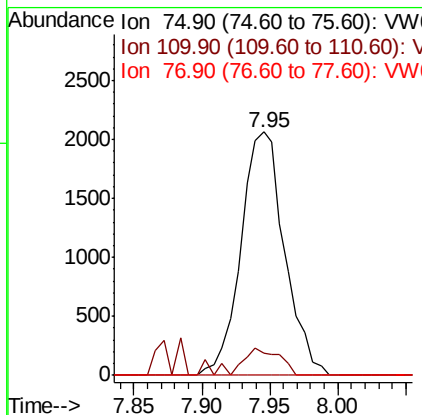
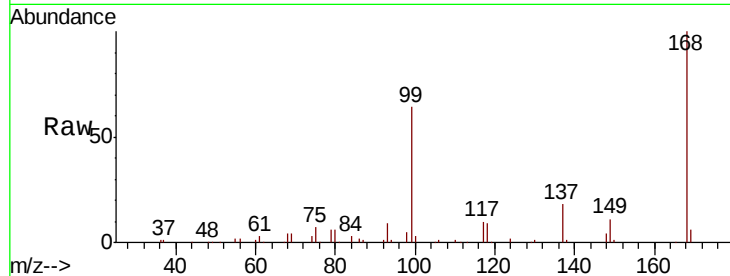




#36
 1,1-Dichloropropene
 Concen: 5.264 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

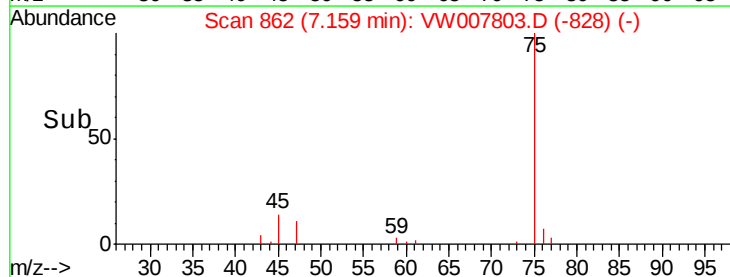
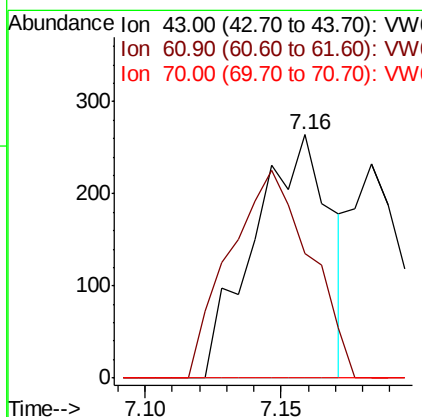
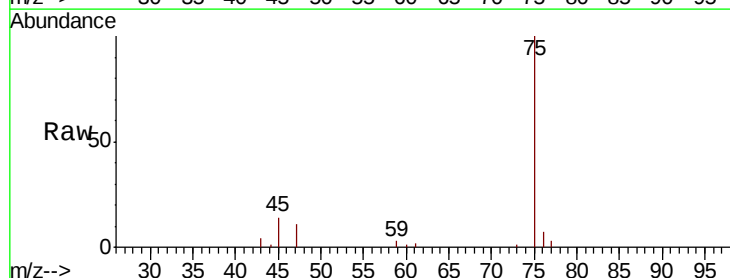
Instrument :
 MSVOA_W
 ClientSampled :

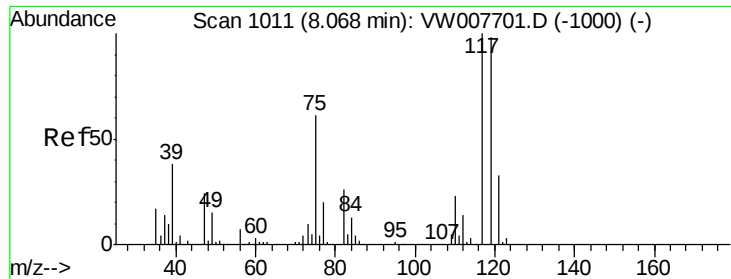
Tot Ion: 75 Resp: 4616
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.702 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

Tgt Ion: 43 Resp: 515
 Ion Ratio Lower Upper
 43 100
 61 89.7 11.2 16.8#
 70 0.0 9.3 13.9#

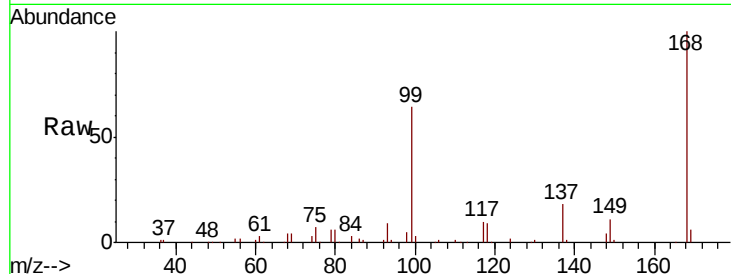




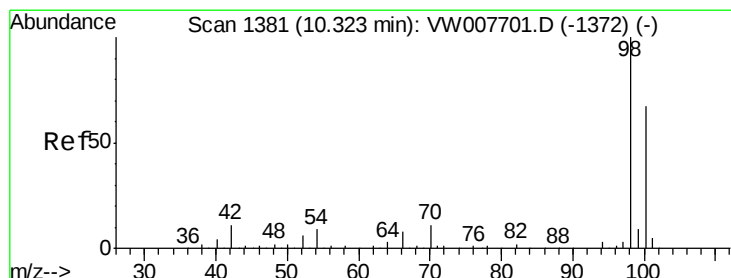
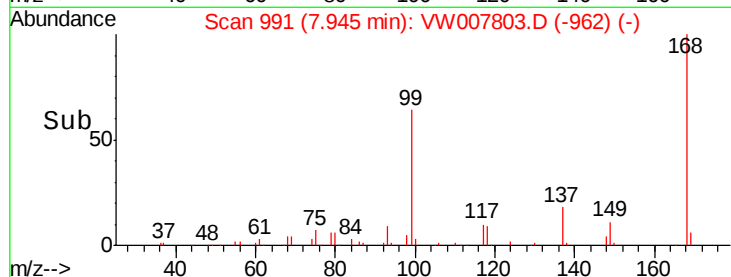
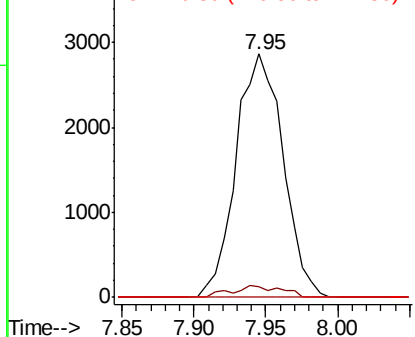
#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 6493
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 26.1 39.1#

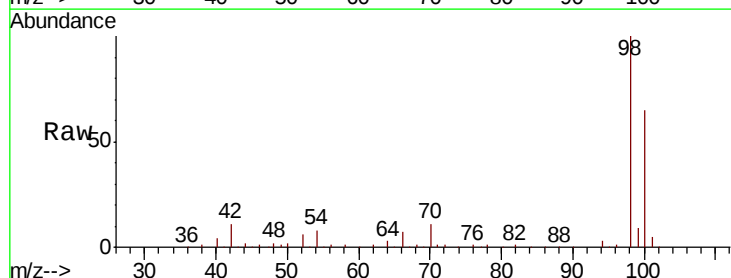


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

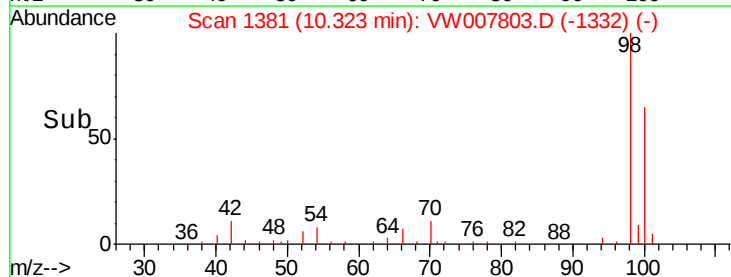
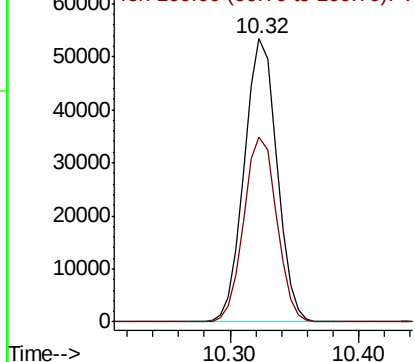


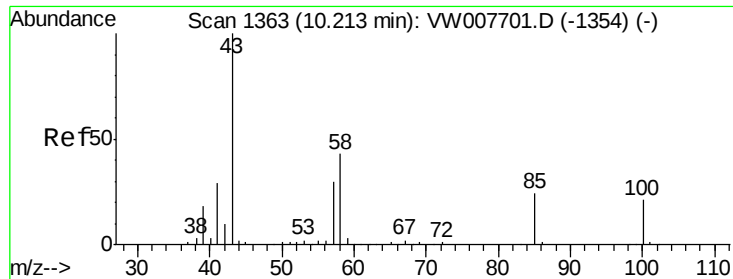
#50
Toluene-d8
Concen: 44.753 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Tgt Ion: 98 Resp: 93513
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



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

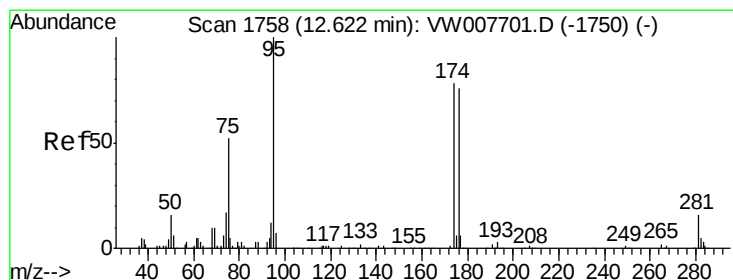
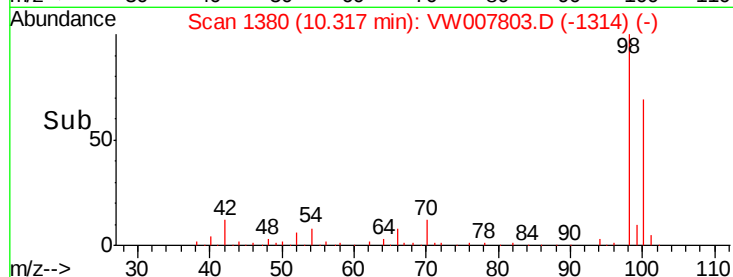
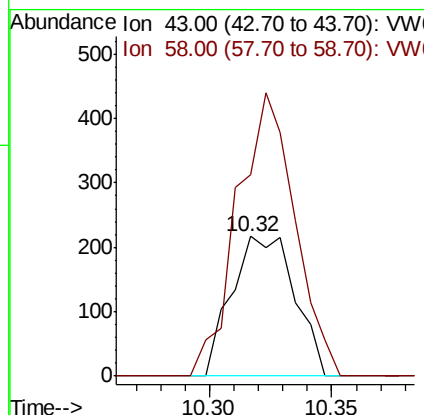
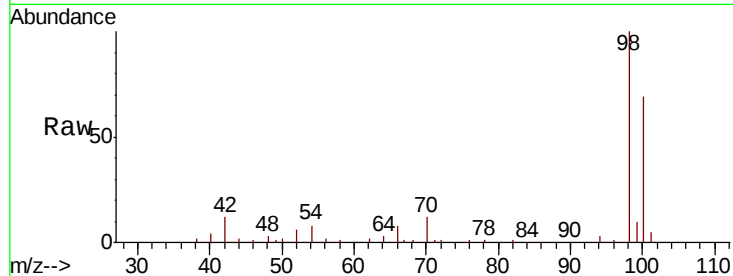




#51
4-Methyl-2-Pentanone
Concen: 1.358 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.10 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

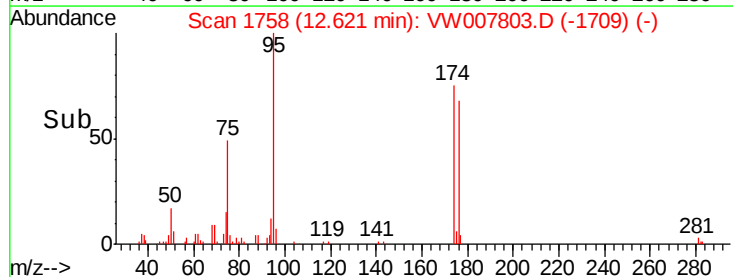
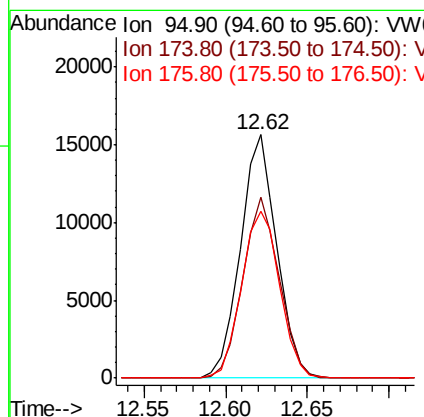
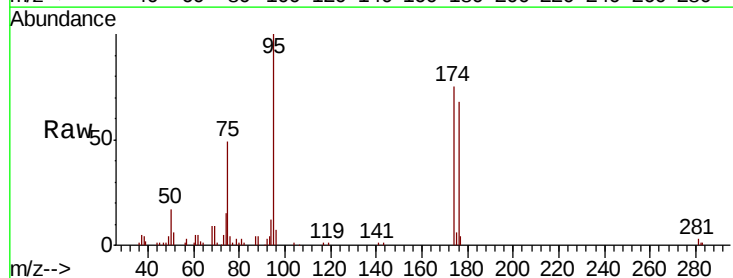
Instrument :
MSVOA_W
ClientSampled :

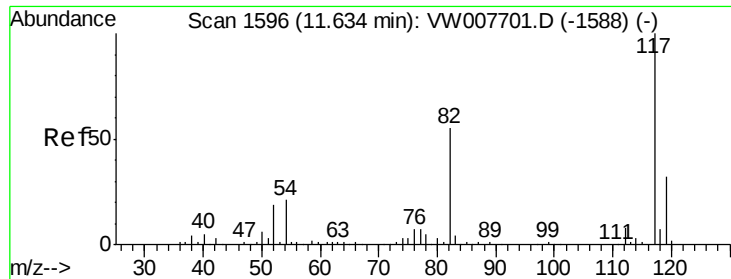
Tot Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
58 185.1 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 30.012 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Tgt Ion: 95 Resp: 24227
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.2
176 71.9 0.0 146.8

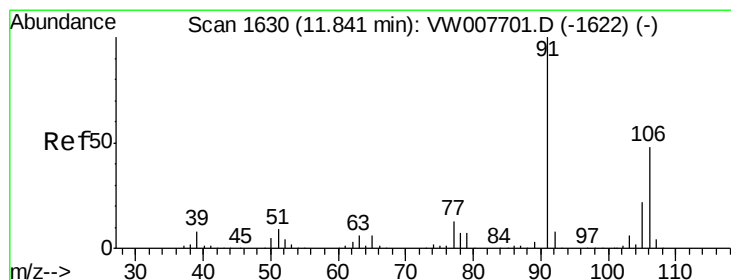
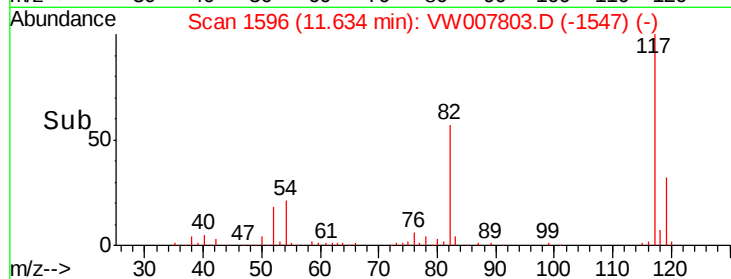
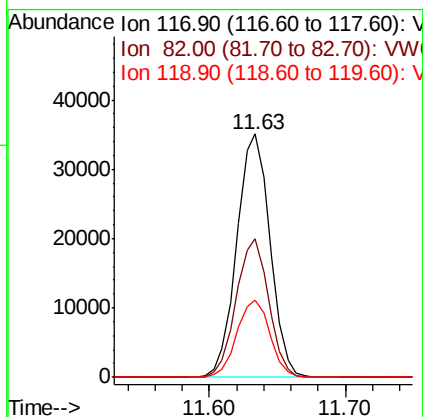
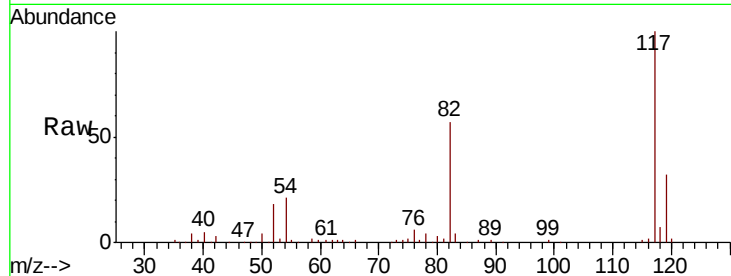




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

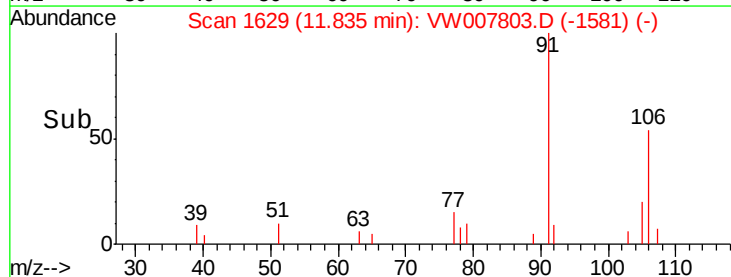
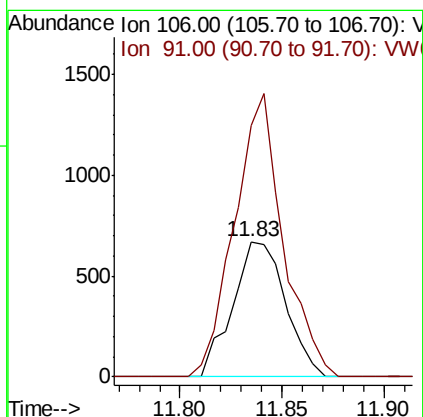
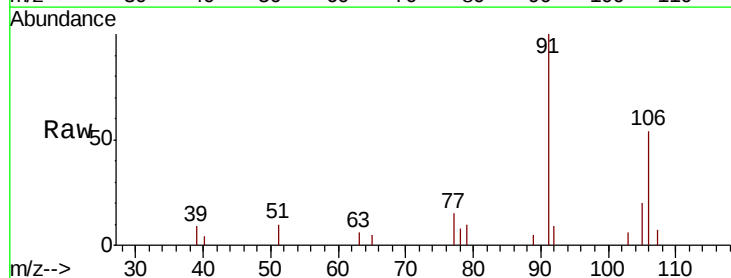
Instrument :
MSVOA_W
ClientSampleId :

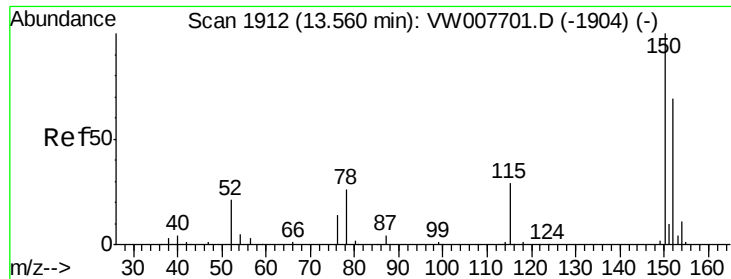
Tot Ion:117 Resp: 59715
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 1.401 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Tgt Ion:106 Resp: 1205
Ion Ratio Lower Upper
106 100
91 192.8 165.2 247.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007803.D

Acq: 21 Dec 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

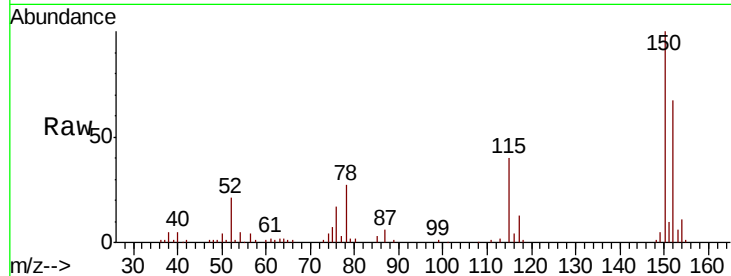
Tot Ion:152 Resp: 19165

Ion Ratio Lower Upper

152 100

115 61.8 31.8 95.4

150 152.7 0.0 350.8

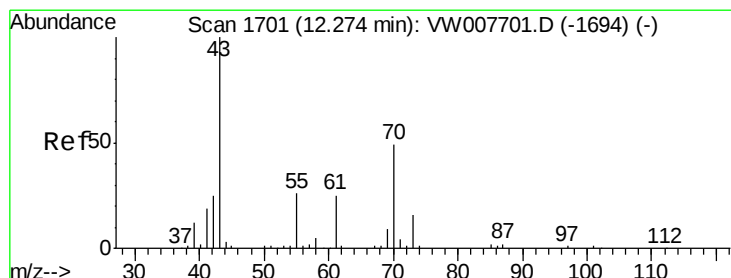
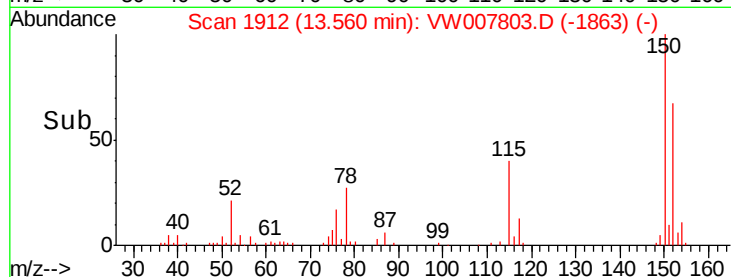
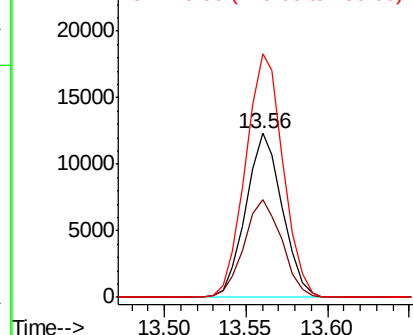


Abundance

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



#74

N-ethyl acetate

Concen: 1.219 ug/l

RT: 12.52 min Scan# 1742

Delta R.T. 0.25 min

Lab File: VW007803.D

Acq: 21 Dec 2018 18:57

Tgt Ion: 43 Resp: 306

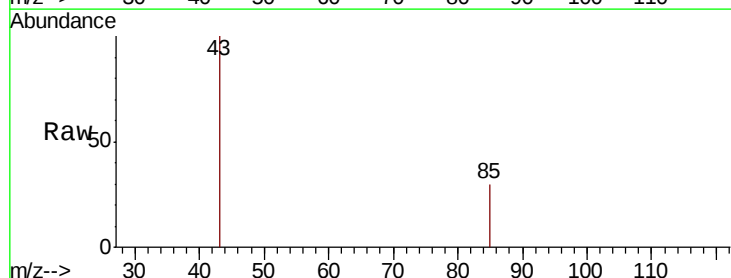
Ion Ratio Lower Upper

43 100

70 0.0 37.6 56.4#

55 0.0 21.7 32.5#

61 0.0 20.1 30.1#



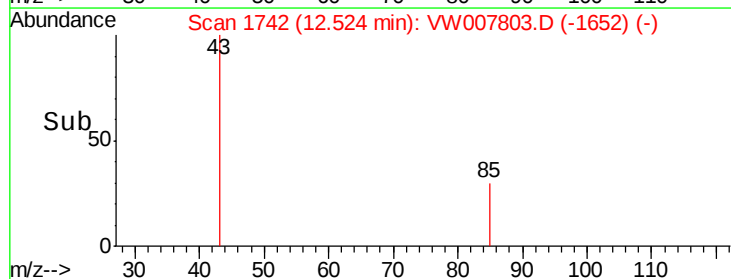
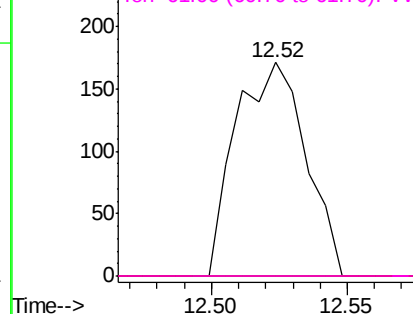
Abundance

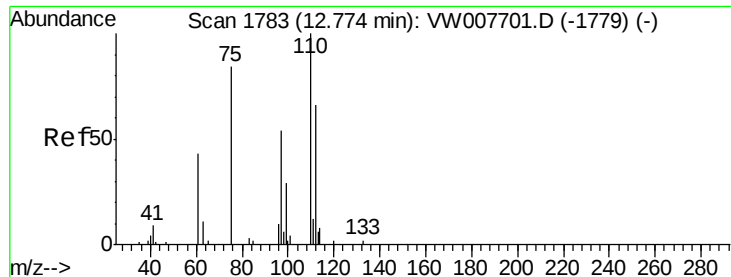
Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

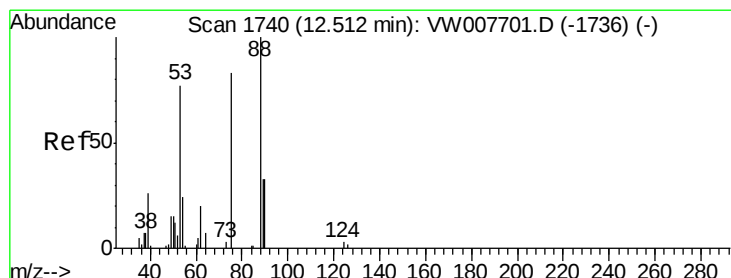
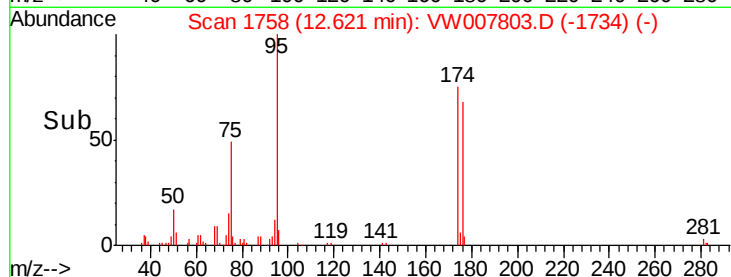
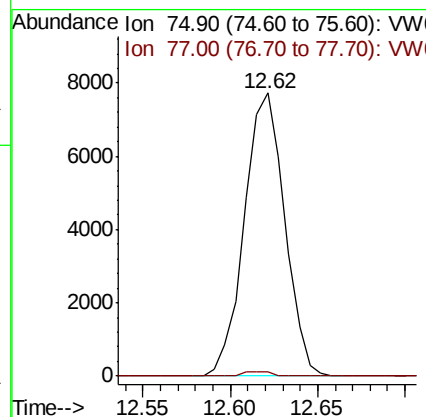
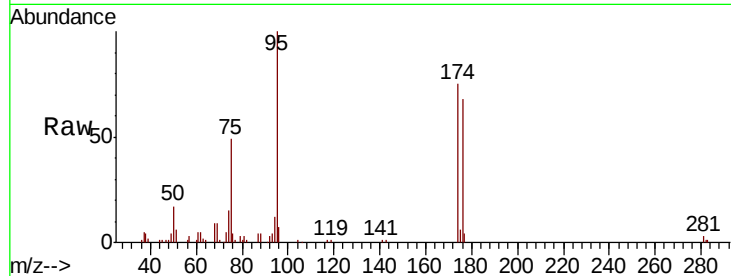




#76
 1,2,3-Trichloropropane
 Concen: 83.637 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

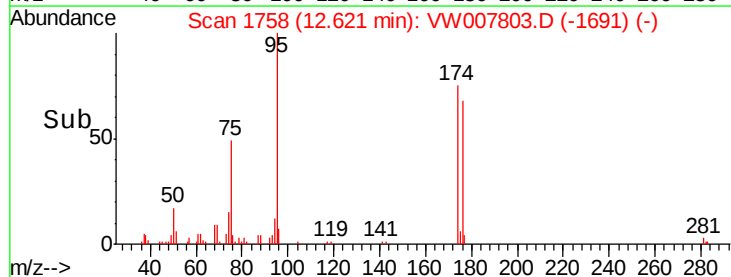
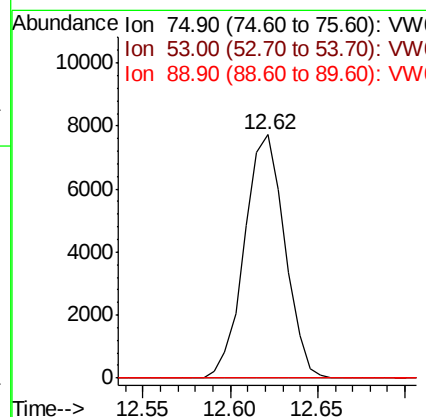
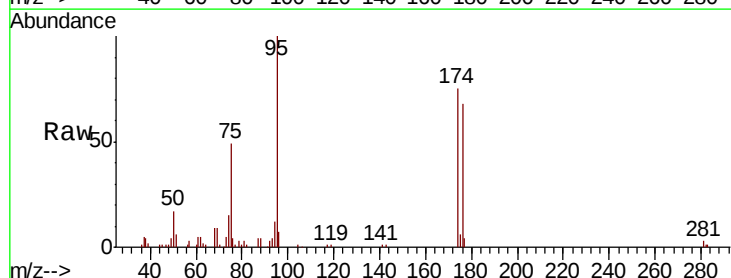
Instrument :
 MSVOA_W
 ClientSampled :

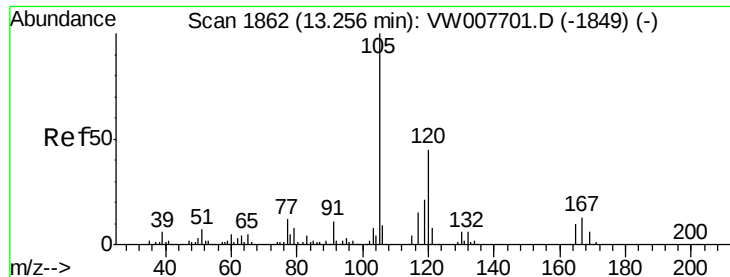
Tot Ion: 75 Resp: 12389
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.561 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007803.D
 Acq: 21 Dec 2018 18:57

Tgt Ion: 75 Resp: 12389
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

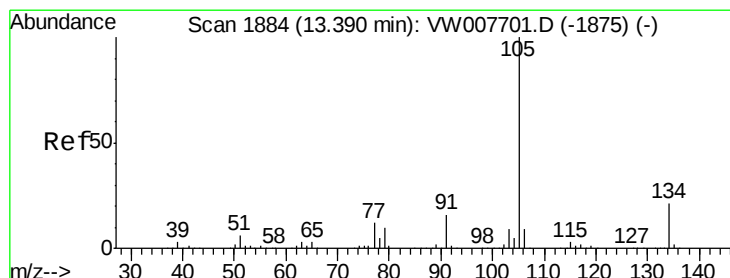
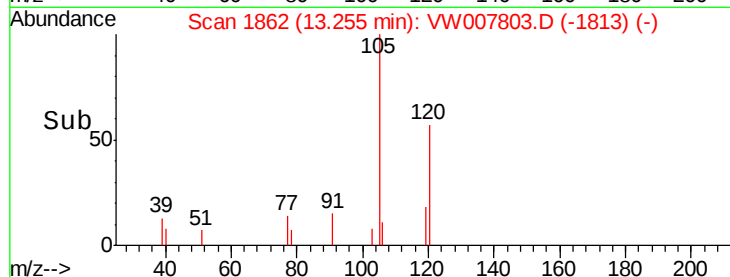
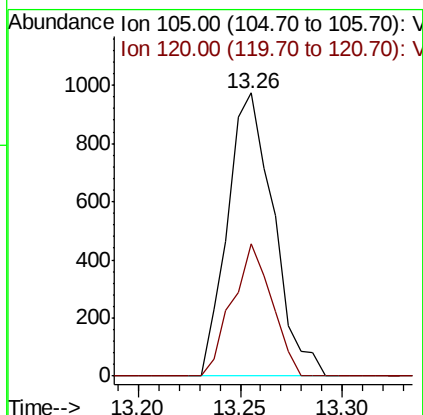
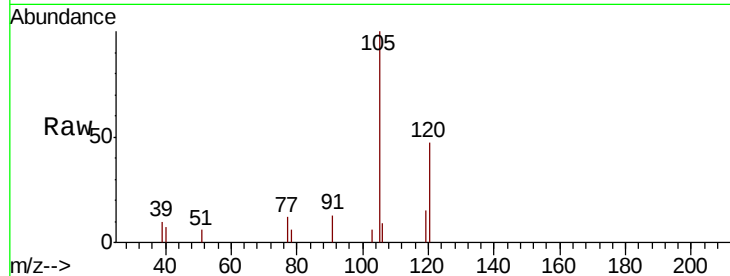




#84
1,2,4-Trimethylbenzene
Concen: 1.208 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

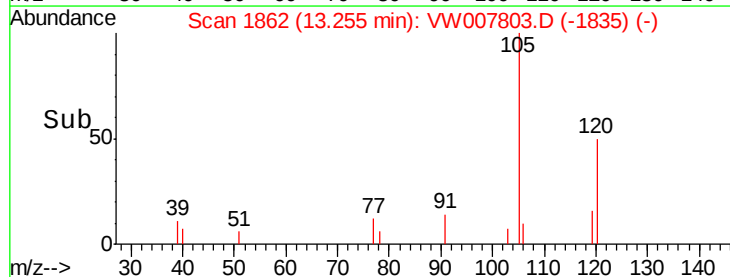
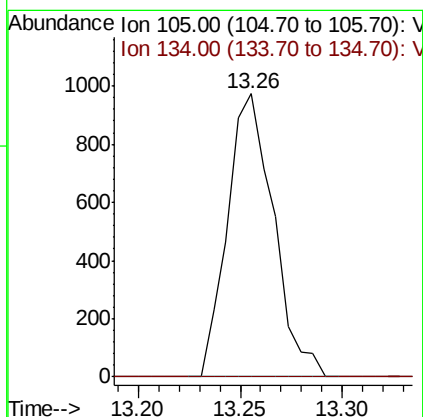
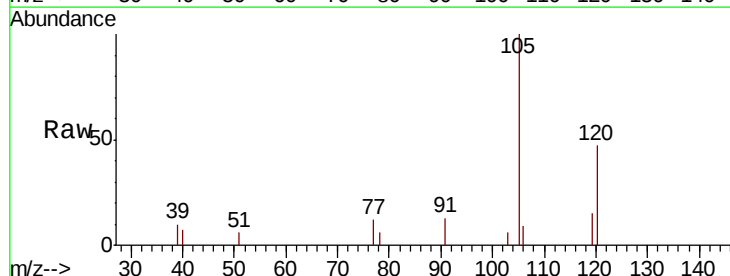
Instrument :
MSVOA_W
ClientSampled :

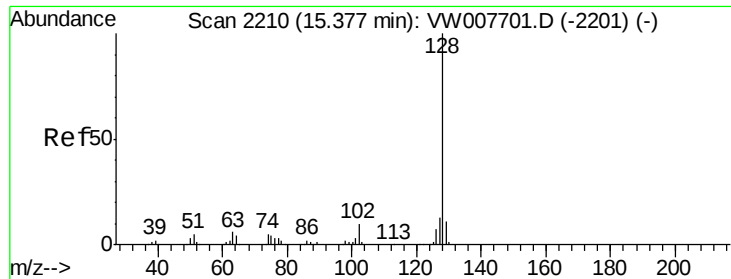
Tot Ion:105 Resp: 1523
Ion Ratio Lower Upper
105 100
120 40.4 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.008 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Tgt Ion:105 Resp: 1523
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95
Naphthalene
Concen: 1.660 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007803.D
Acq: 21 Dec 2018 18:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	9.6	8.8	13.2

