

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007004.D
 Acq On : 21 Nov 2018 17:08
 Operator : VAY/AP
 Sample : J5765-03RE
 Misc : 6.35G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:37:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	16017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	27119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	9747	62.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.32%	
35) Dibromofluoromethane	7.89	113	8338	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
50) Toluene-d8	10.33	98	31300	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	12.62	95	10102	37.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.92%	

Target Compounds

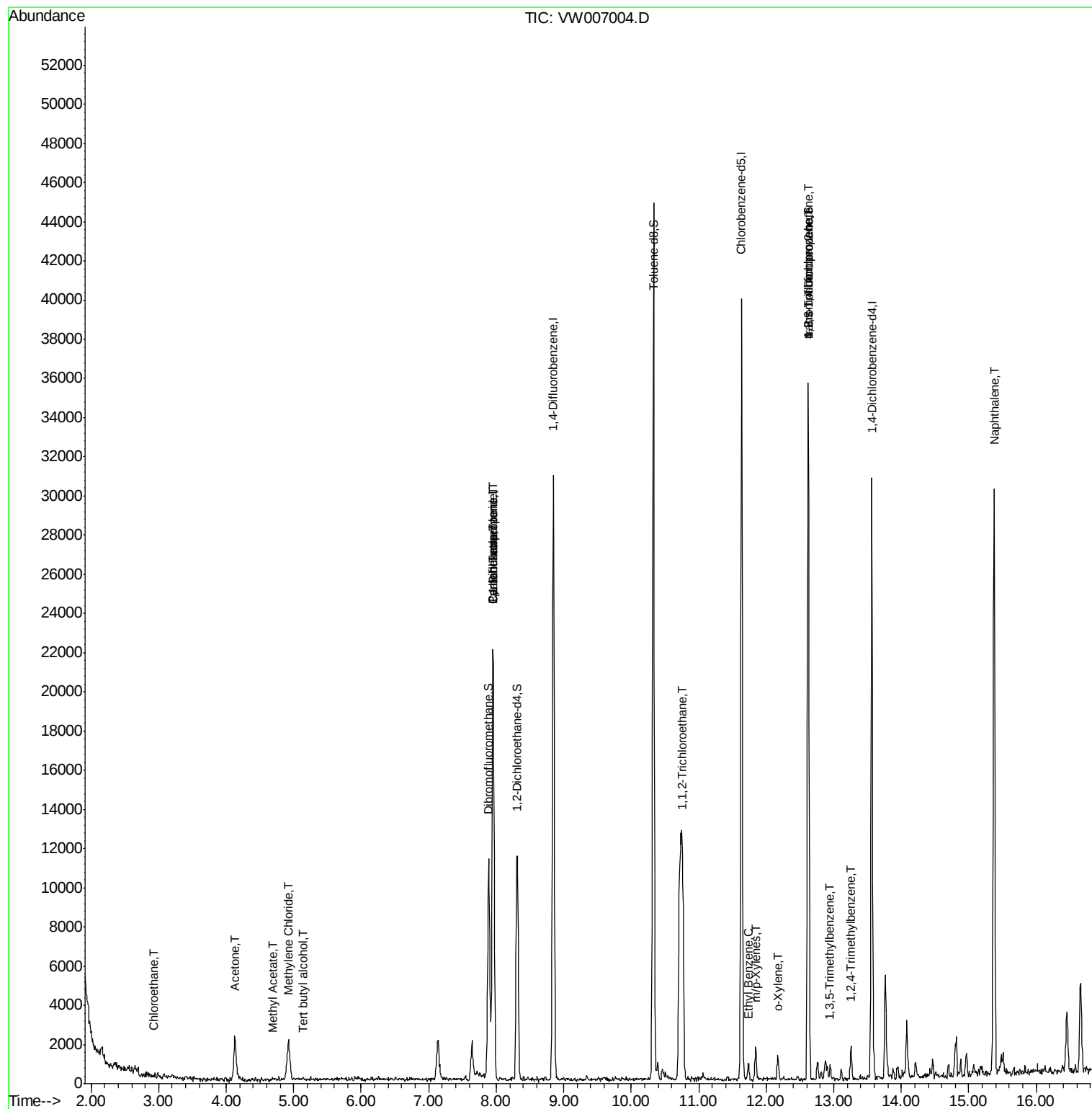
						Qvalue
6) Chloroethane	2.92	64	136	1.903	ug/l #	43
11) Tert butyl alcohol	5.14	59	23	2.253	ug/l #	71
16) Acetone	4.12	43	3915	171.960	ug/l	100
18) Methyl Acetate	4.68	43	191	2.356	ug/l #	50
20) Methylene Chloride	4.92	84	1640	4.080	ug/l	99
31) Cyclohexane	7.96	56	356	1.179	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	1214	4.581	ug/l #	41
38) Carbon Tetrachloride	7.95	117	1666	6.565	ug/l #	13
55) 1,1,2-Trichloroethane	10.76	97	150	1.155	ug/l #	15
67) Ethyl Benzene	11.74	91	896	1.007	ug/l #	86
68) m/p-Xylenes	11.84	106	595	1.704	ug/l	92
69) o-Xylene	12.16	106	350	1.063	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	5144	78.417	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	615	1.096	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.62	75	5144	196.873	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	1293	2.313	ug/l	98
95) Naphthalene	15.38	128	26697	89.473	ug/l	98

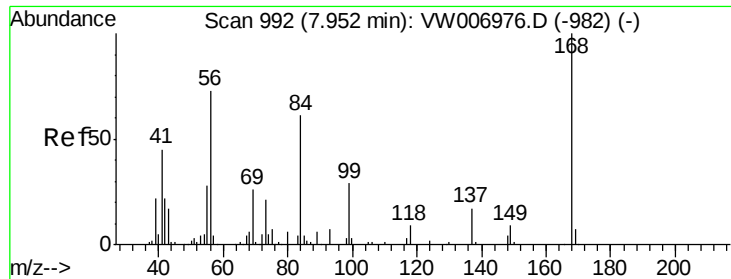
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 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: VW007004.D

Acq: 21 Nov 2018 17:08

Instrument :

MSVOA_W

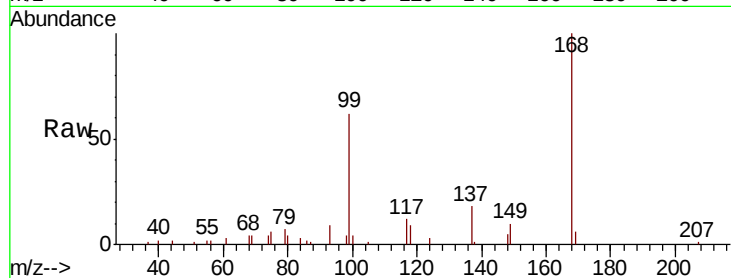
ClientSampled :

Tot Ion:168 Resp: 16017

Ion Ratio Lower Upper

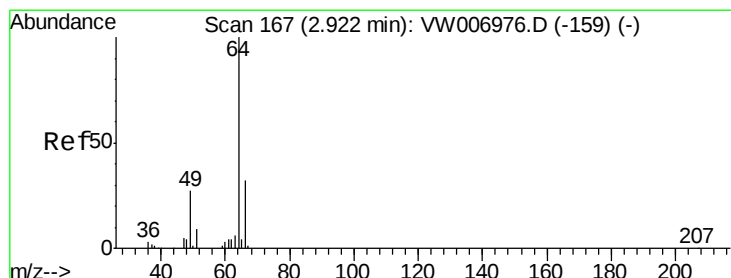
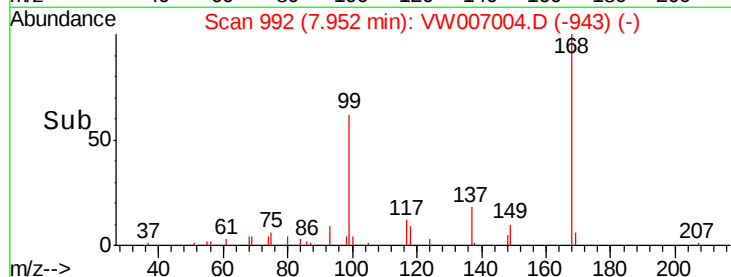
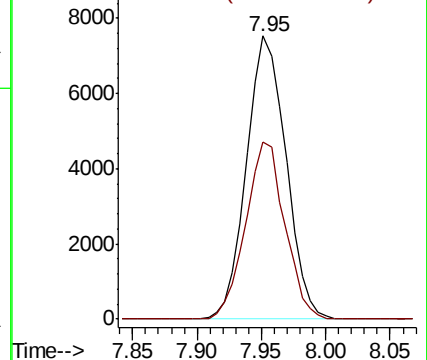
168 100

99 62.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#6

Chloroethane

Concen: 1.903 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW007004.D

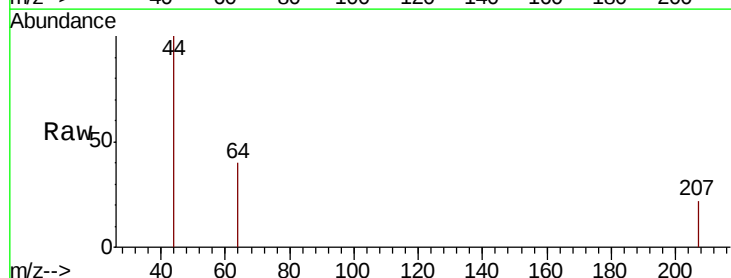
Acq: 21 Nov 2018 17:08

Tgt Ion: 64 Resp: 136

Ion Ratio Lower Upper

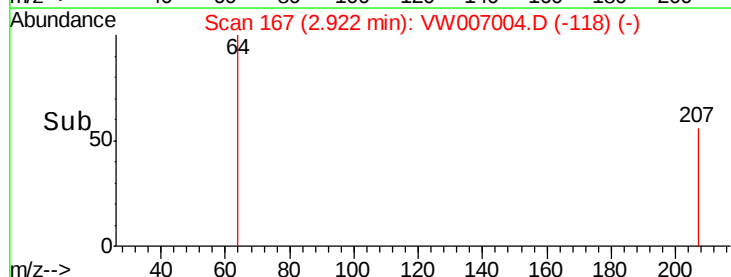
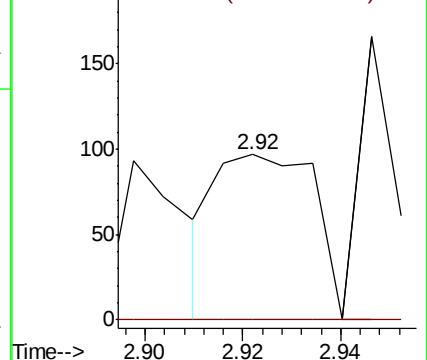
64 100

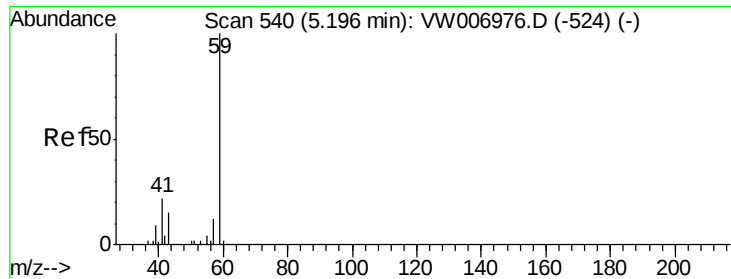
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



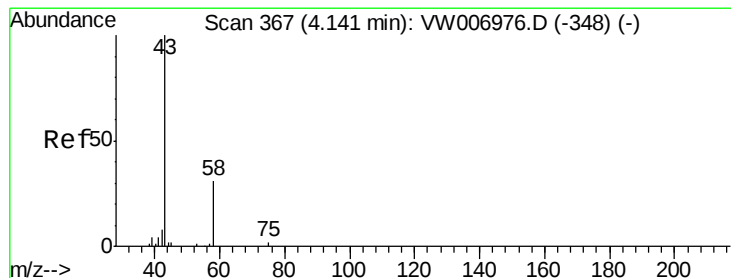
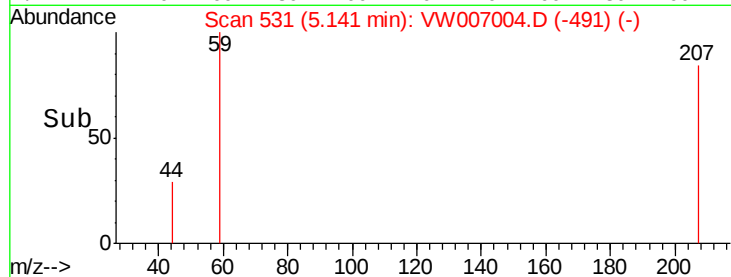
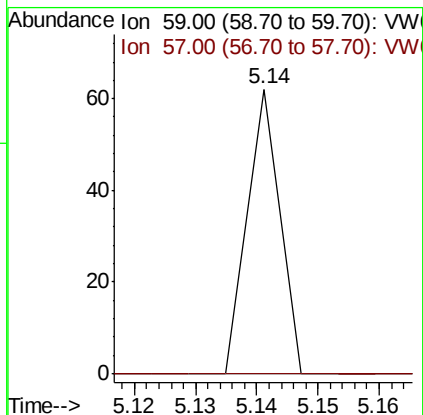
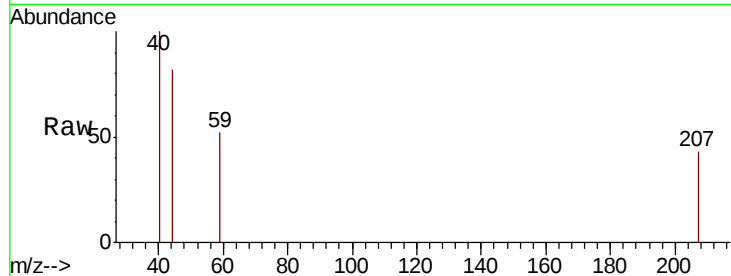


#11

Tert butyl alcohol
 Concen: 2.253 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.05 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Instrument :
 MSVOA_W
 ClientSampled :

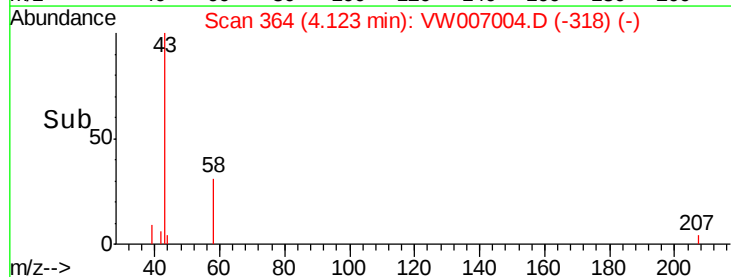
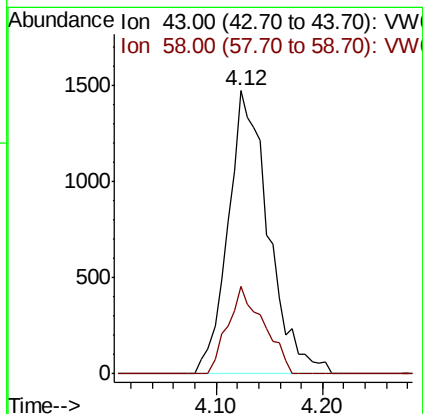
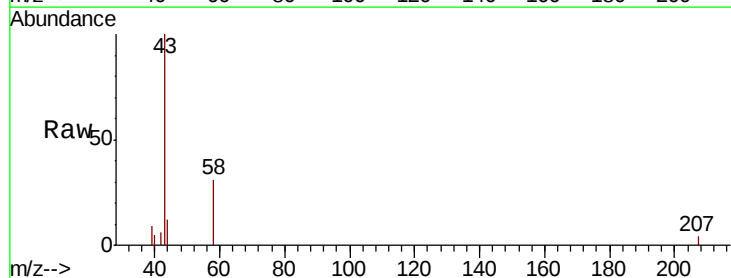
Tot Ion: 59 Resp: 23
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

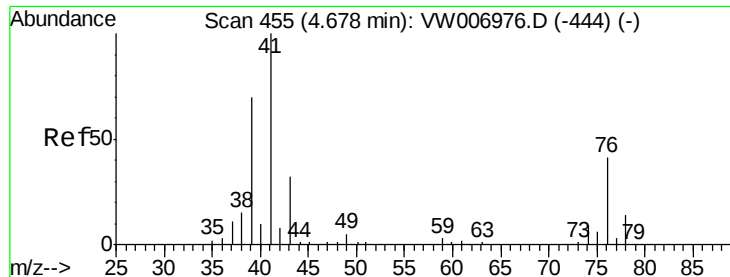


#16

Acetone
 Concen: 171.960 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Tgt Ion: 43 Resp: 3915
 Ion Ratio Lower Upper
 43 100
 58 31.1 24.8 37.2

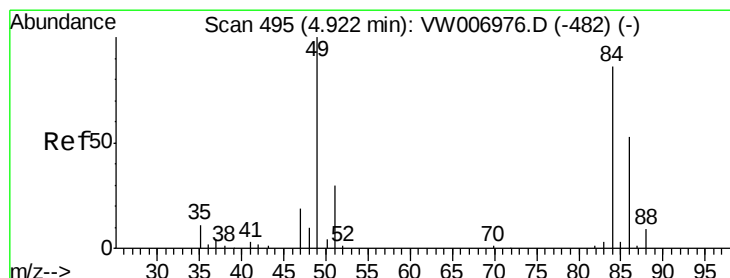
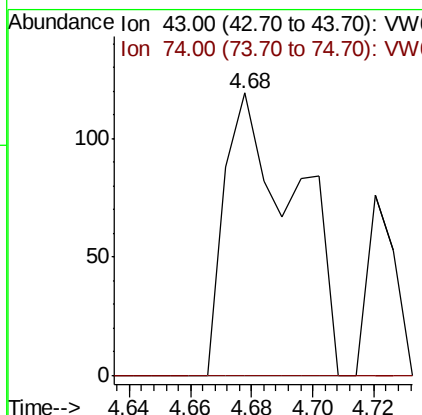
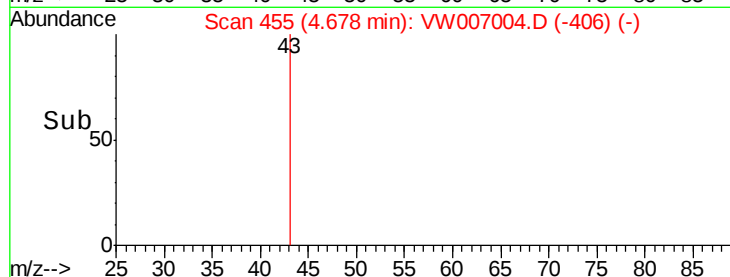
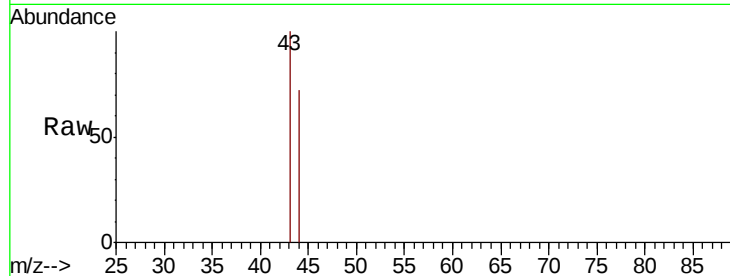




#18
Methyl Acetate
Concen: 2.356 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

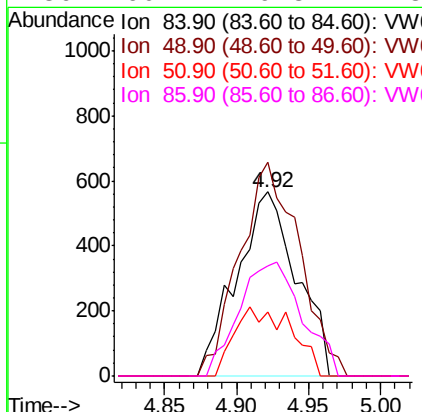
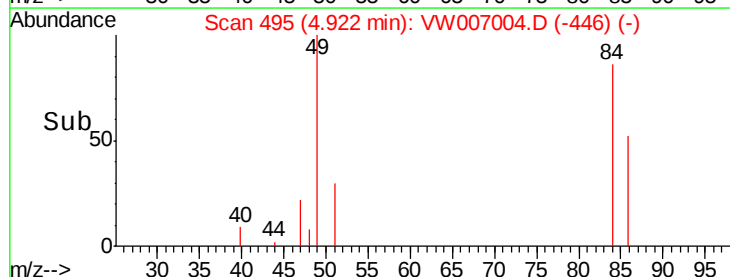
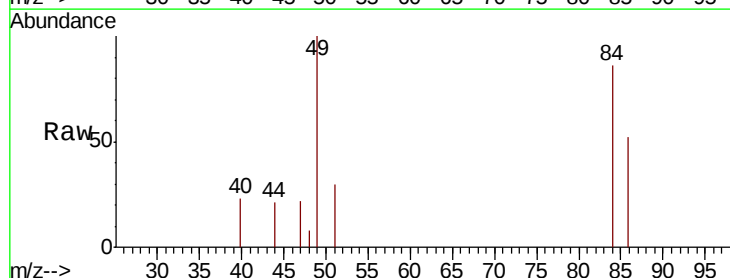
Instrument :
MSVOA_W
ClientSampled :

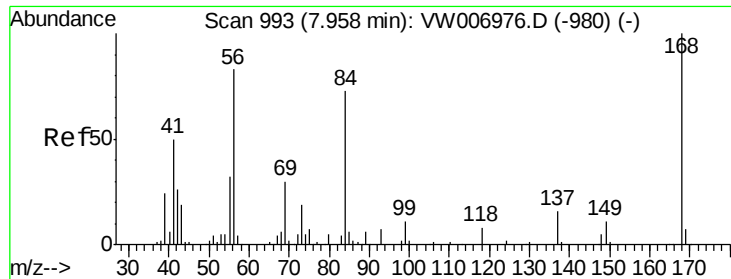
Tot Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 4.080 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Tgt Ion: 84 Resp: 1640
Ion Ratio Lower Upper
84 100
49 116.3 93.4 140.0
51 34.9 28.4 42.6
86 60.2 49.8 74.8

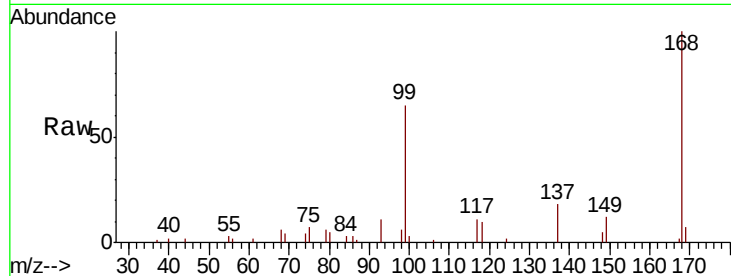




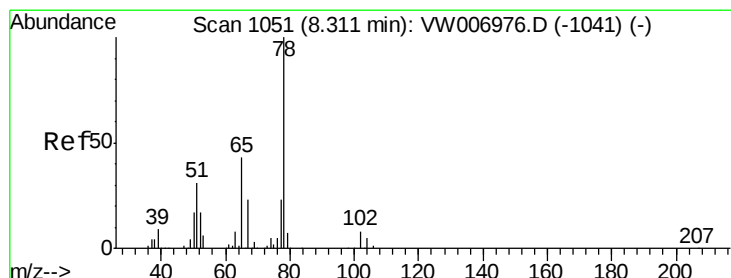
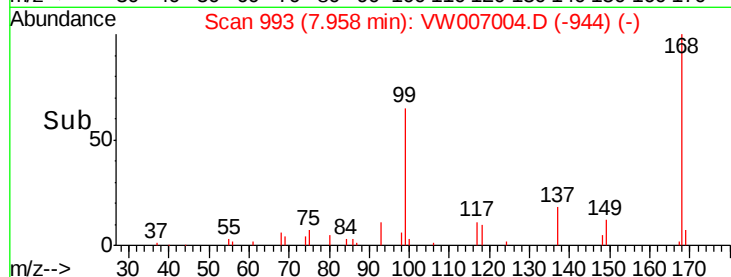
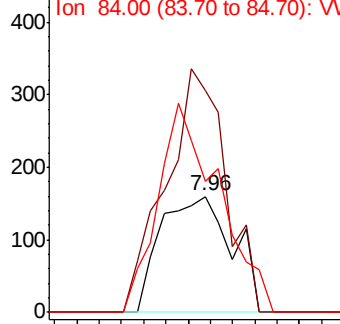
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
69 191.3 29.1 43.7#
84 112.5 70.6 105.8#

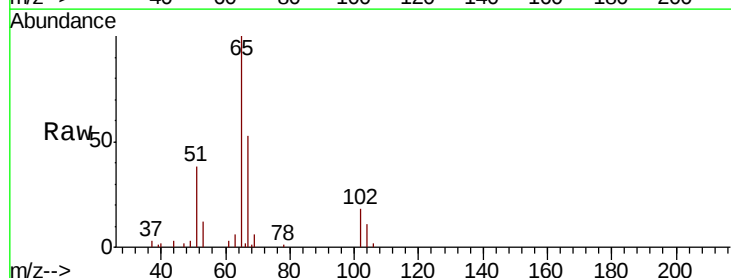


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

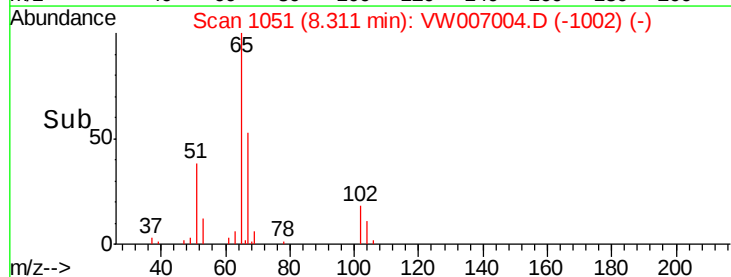
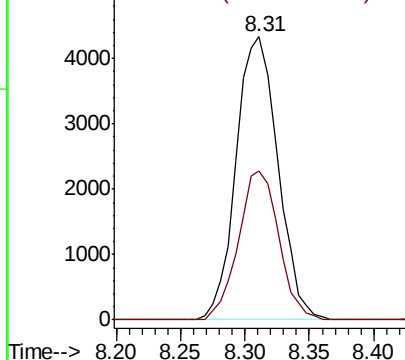


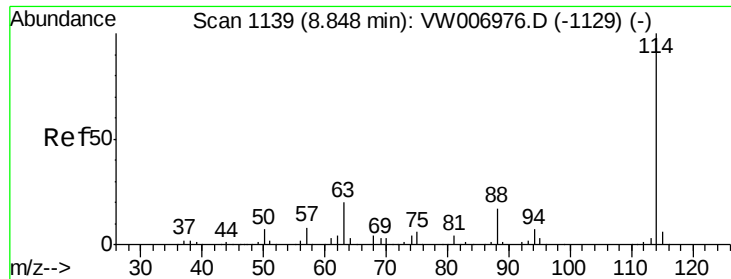
#33
1,2-Dichloroethane-d4
Concen: 62.158 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Tgt Ion: 65 Resp: 9747
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.2



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

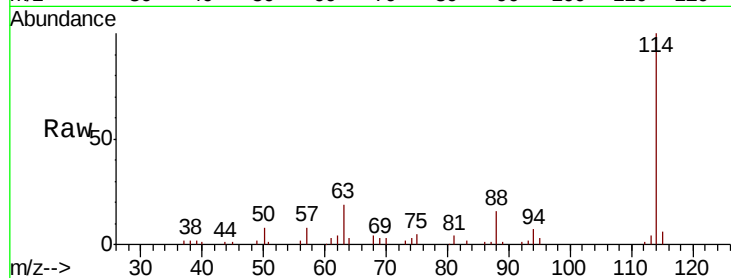




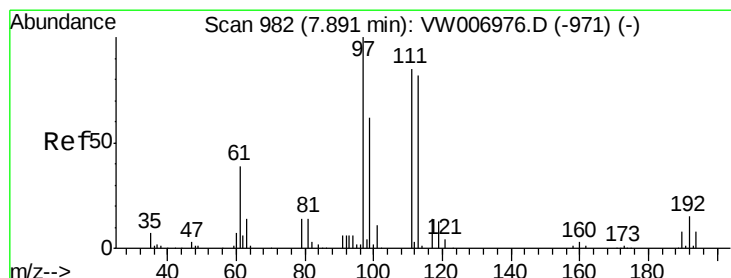
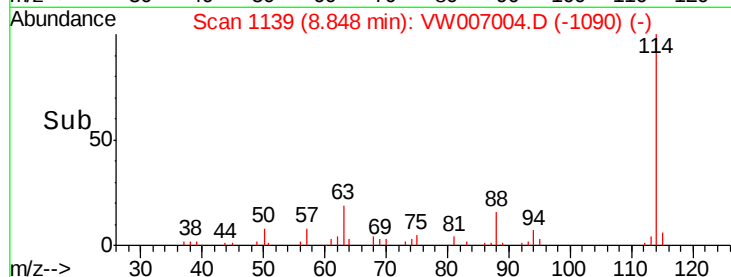
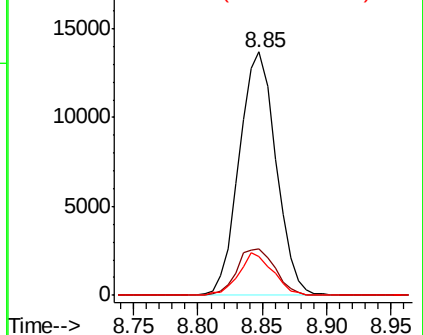
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 27119
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 15.9 0.0 34.2

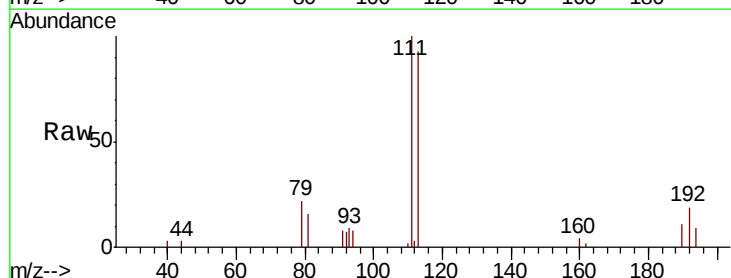


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

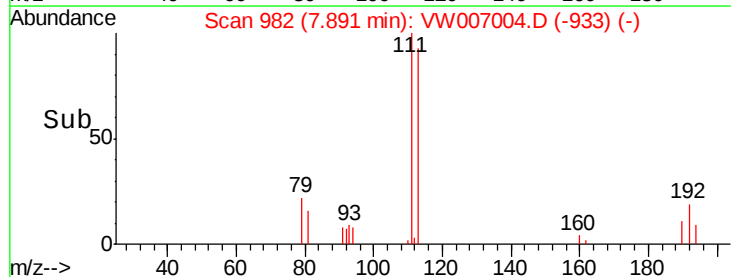
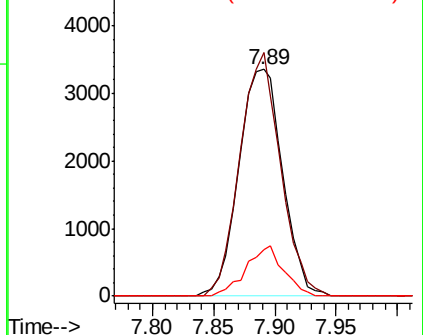


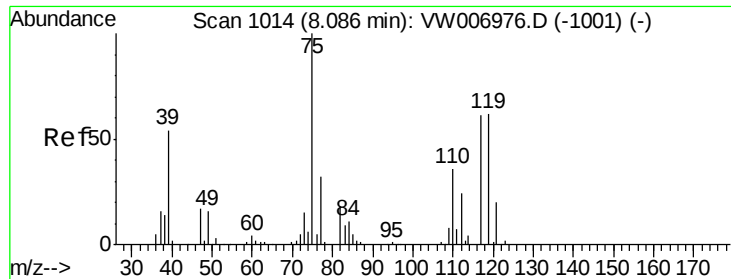
#35
 Dibromofluoromethane
 Concen: 54.444 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Tgt Ion:113 Resp: 8338
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.0 121.6
 192 19.0 15.0 22.6



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

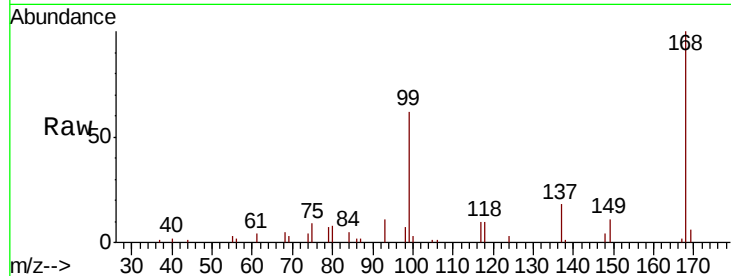




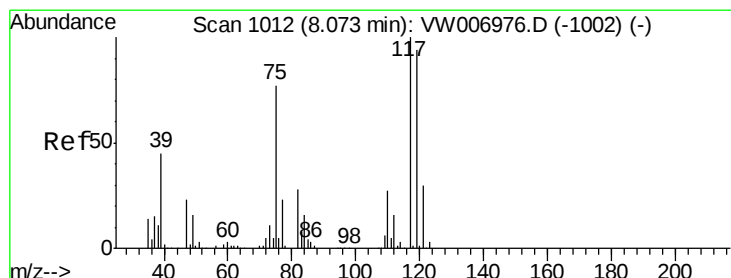
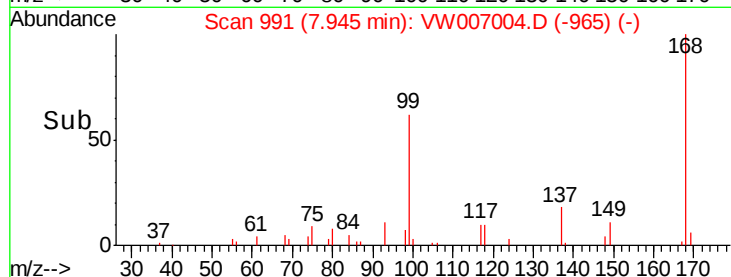
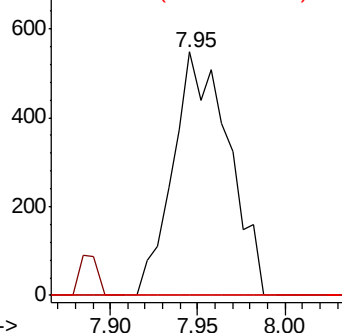
#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.0	54.0#
77	0.0	24.9	37.3#

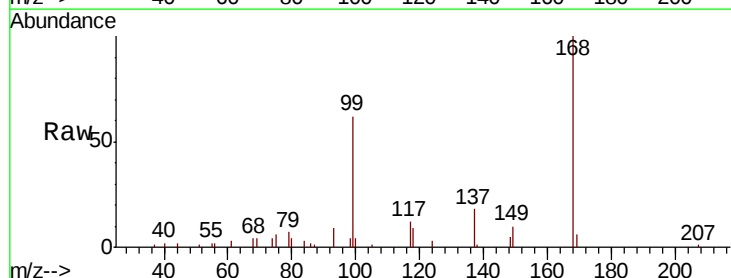


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

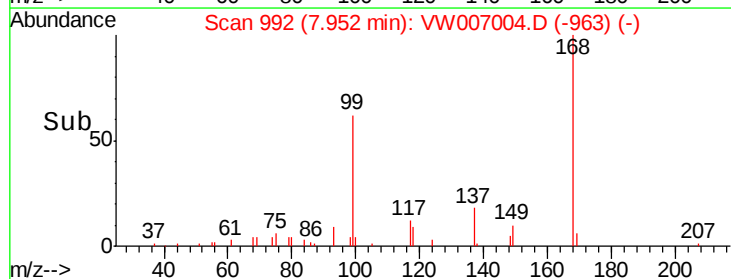
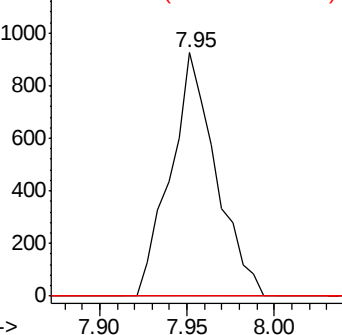


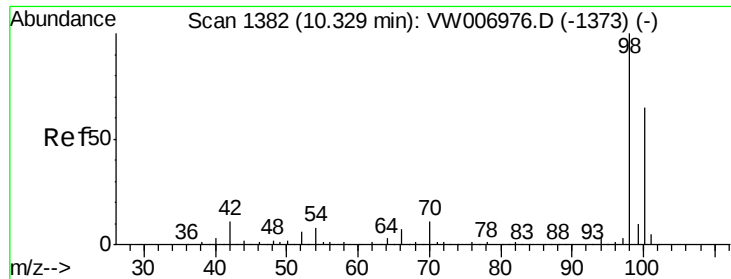
#38
 Carbon Tetrachloride
 Concen: 6.565 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007004.D
 Acq: 21 Nov 2018 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.9	112.3#
121	0.0	23.6	35.4#



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: 46.283 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW007004.D

Acq: 21 Nov 2018 17:08

Instrument :

MSVOA_W

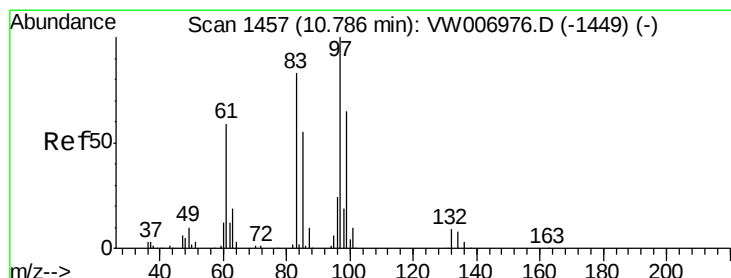
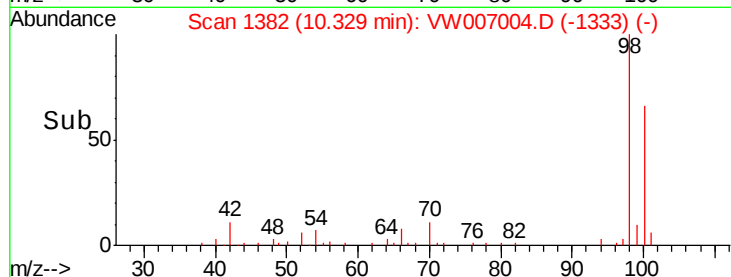
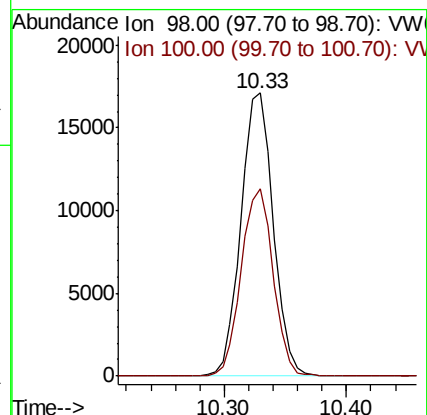
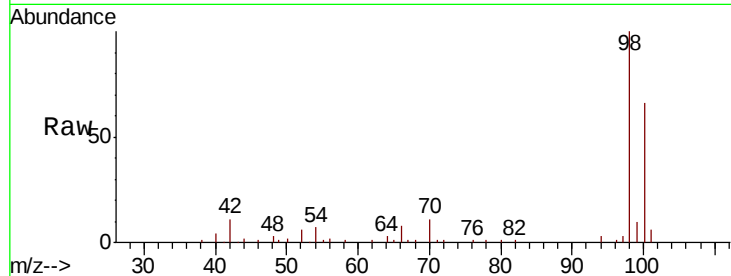
ClientSampleId :

Tot Ion: 98 Resp: 31300

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#55

1,1,2-Trichloroethane

Concen: 1.155 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007004.D

Acq: 21 Nov 2018 17:08

Tgt Ion: 97 Resp: 150

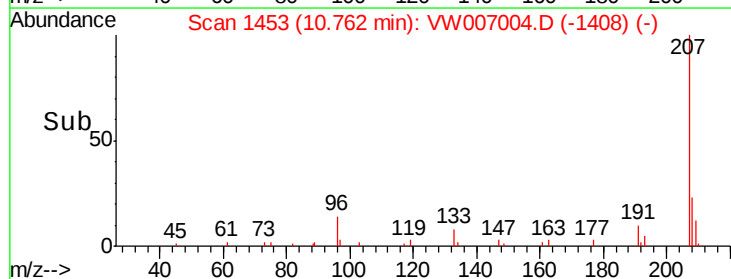
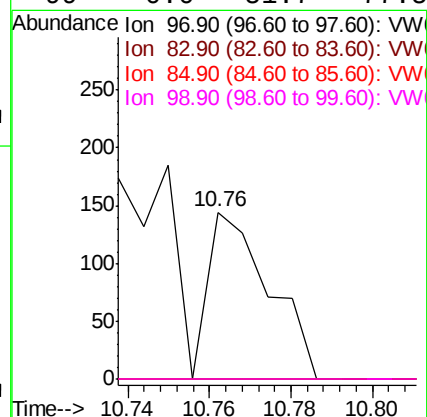
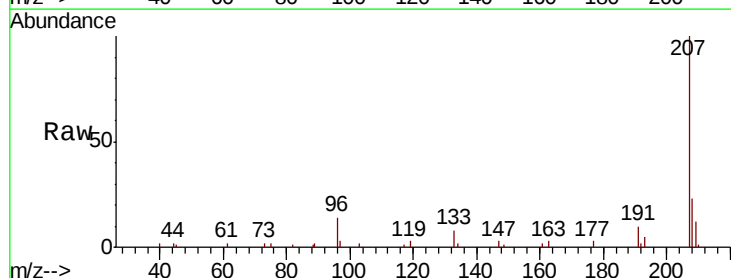
Ion Ratio Lower Upper

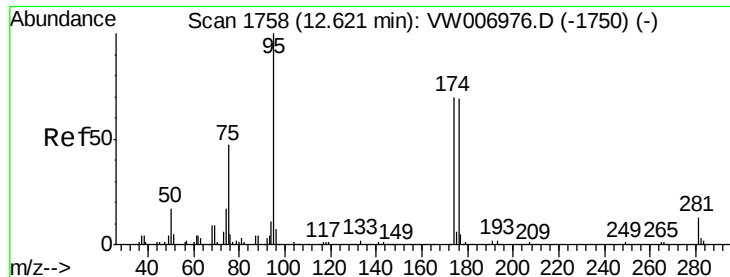
97 100

83 0.0 66.4 99.6#

85 0.0 44.1 66.1#

99 0.0 51.7 77.5#

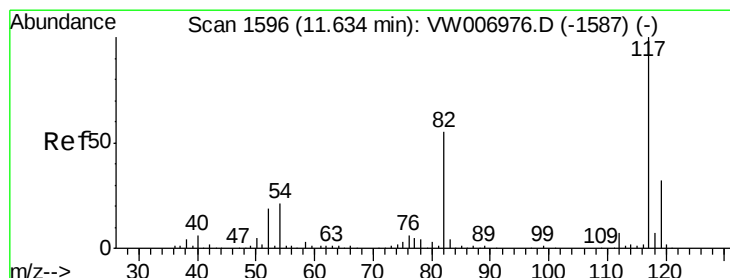
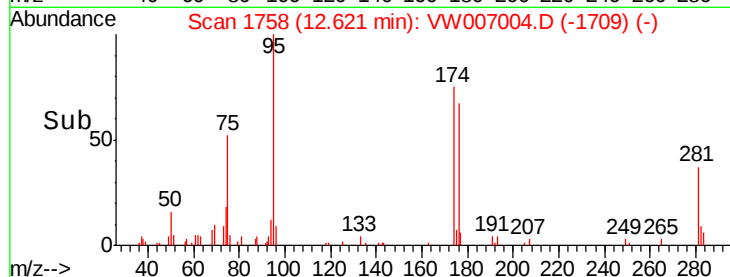
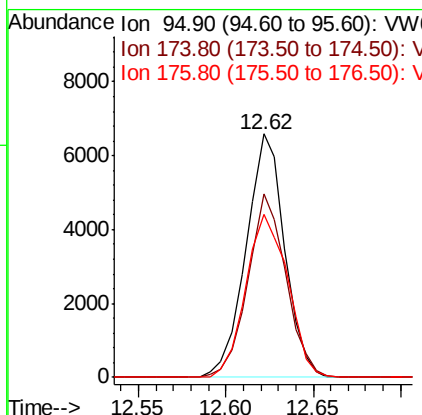
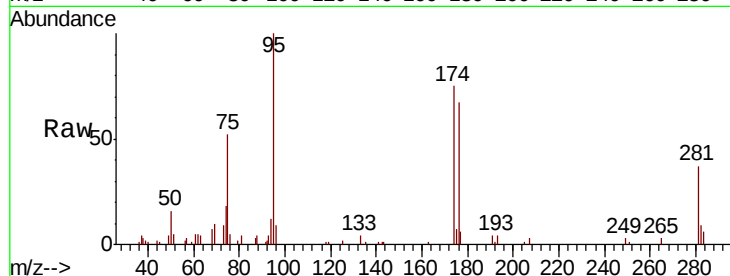




#62
4-Bromofluorobenzene
Concen: 37.959 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

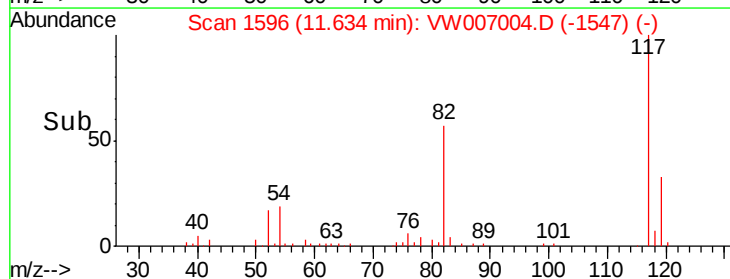
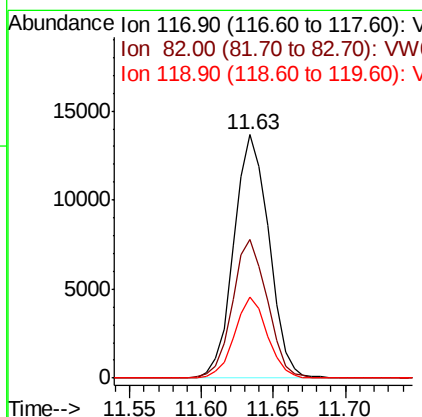
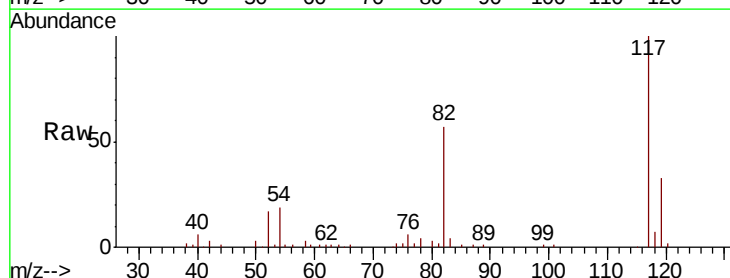
Instrument :
MSVOA_W
ClientSampleId :

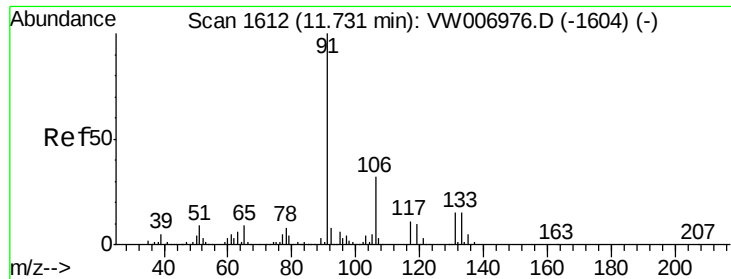
Tot Ion: 95 Resp: 10102
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.6
176 72.7 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Tgt Ion: 117 Resp: 23210
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 33.1 25.9 38.9

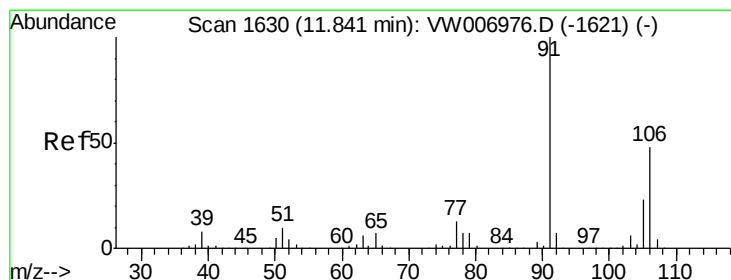
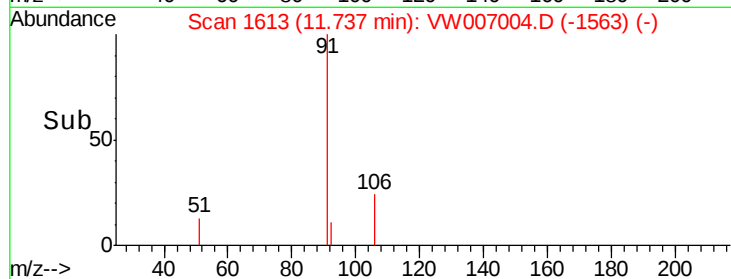
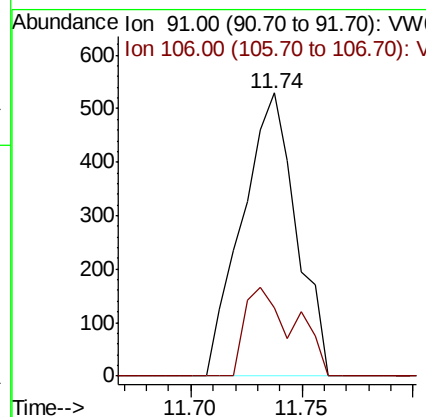
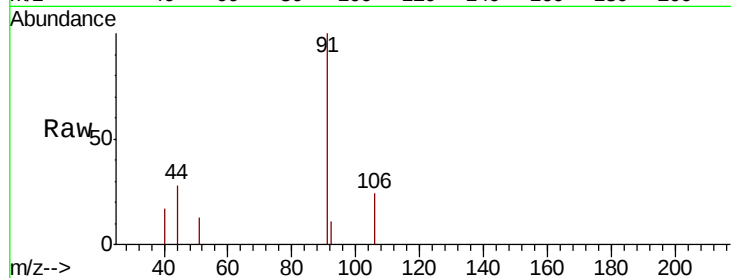




#67
Ethyl Benzene
Concen: 1.007 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

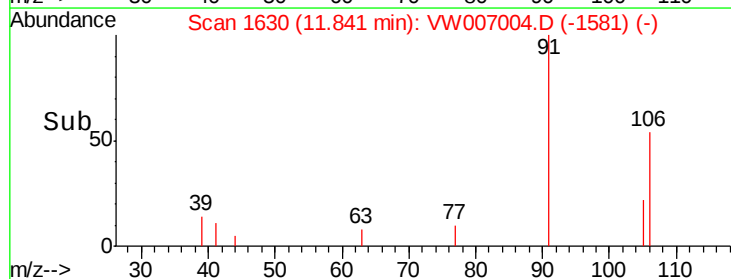
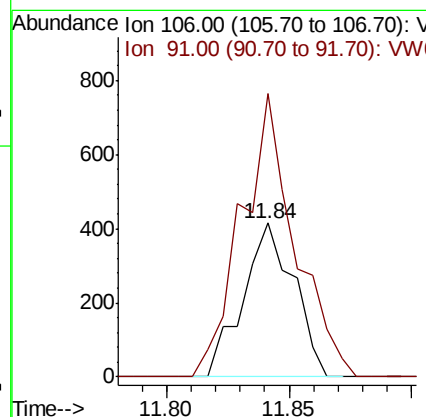
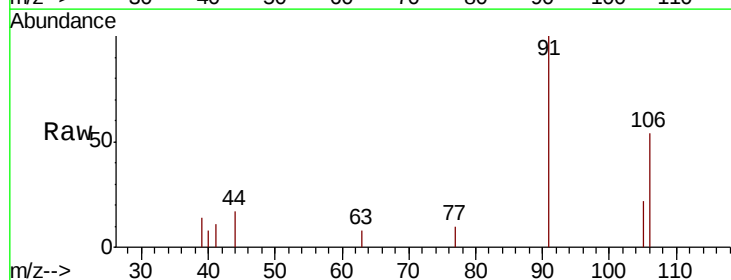
Instrument :
MSVOA_W
ClientSampled :

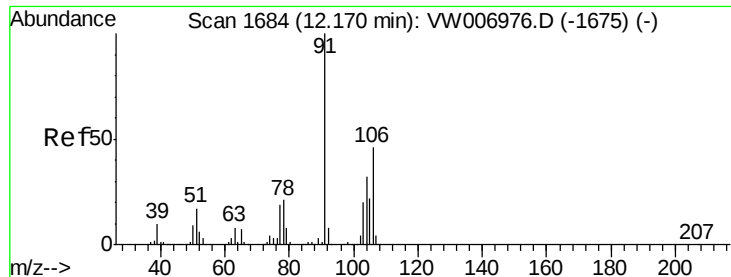
Tot Ion: 91 Resp: 896
Ion Ratio Lower Upper
91 100
106 24.2 25.4 38.2#



#68
m/p-Xylenes
Concen: 1.704 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Tgt Ion: 106 Resp: 595
Ion Ratio Lower Upper
106 100
91 194.3 164.8 247.2

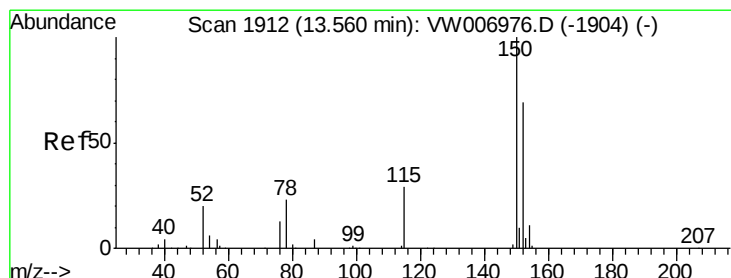
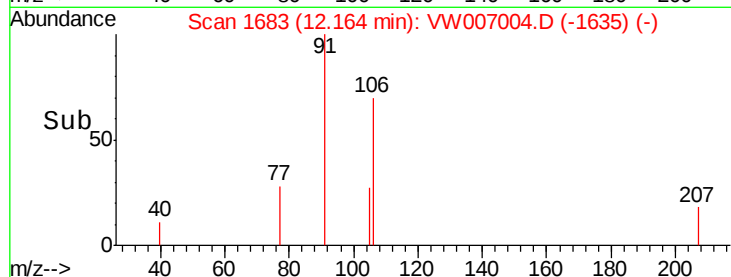
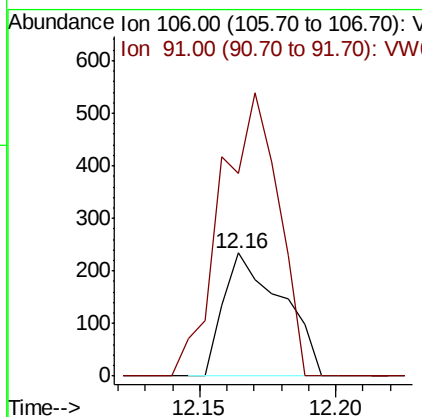
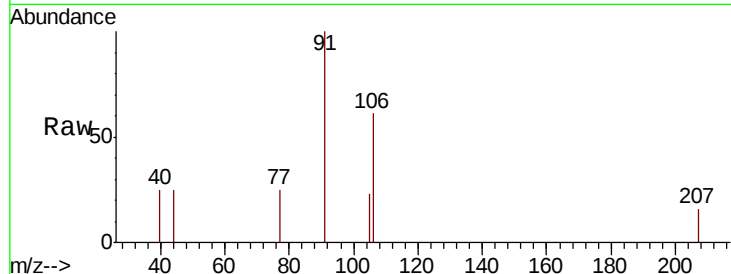




#69
o-Xylene
Concen: 1.063 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

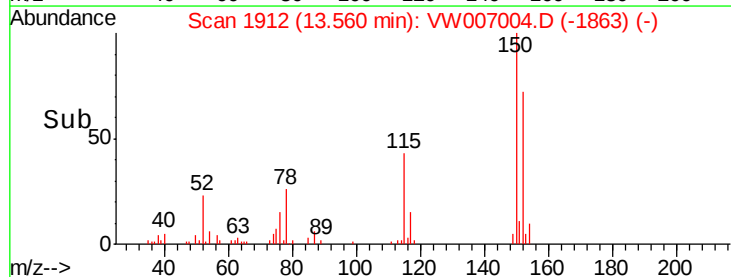
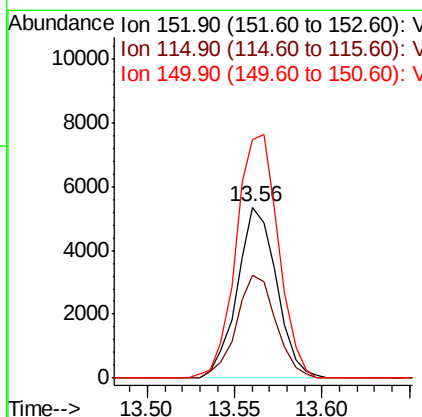
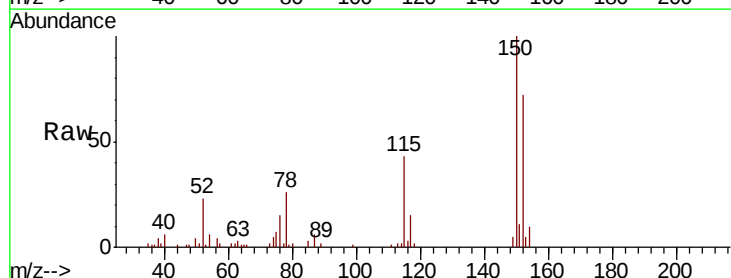
Instrument :
MSVOA_W
ClientSampled :

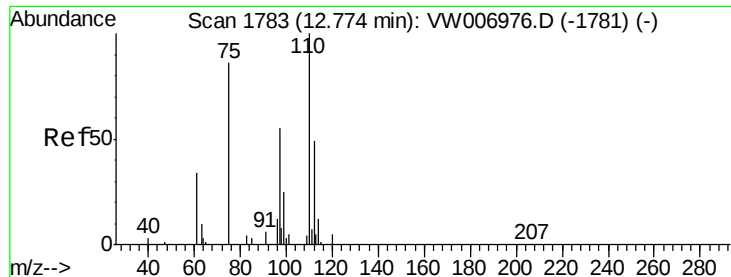
Tot Ion:106 Resp: 350
Ion Ratio Lower Upper
106 100
91 225.4 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Tgt Ion:152 Resp: 8348
Ion Ratio Lower Upper
152 100
115 60.6 31.4 94.2
150 152.5 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 78.417 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007004.D

Acq: 21 Nov 2018 17:08

Instrument :

MSVOA_W

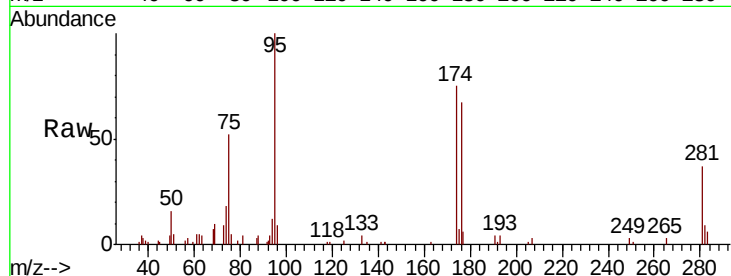
ClientSampleId :

Tot Ion: 75 Resp: 5144

Ion Ratio Lower Upper

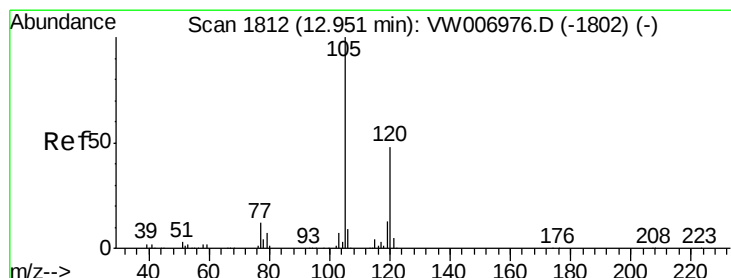
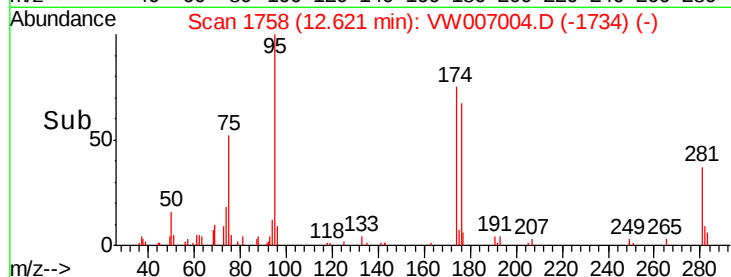
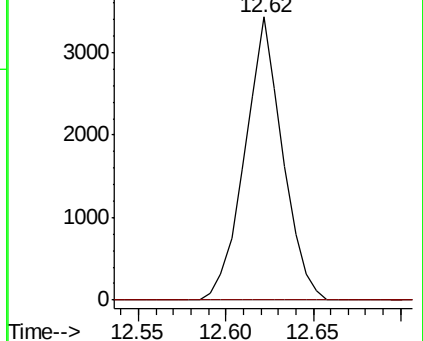
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#80

1,3,5-Trimethylbenzene

Concen: 1.096 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007004.D

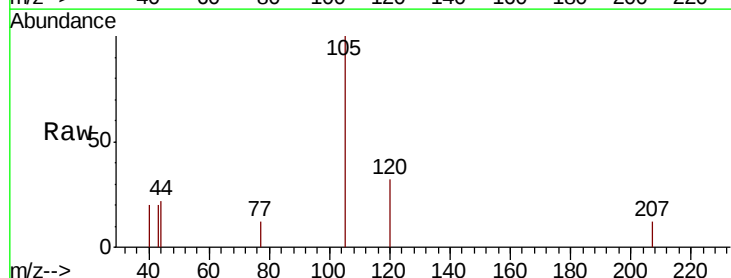
Acq: 21 Nov 2018 17:08

Tgt Ion: 105 Resp: 615

Ion Ratio Lower Upper

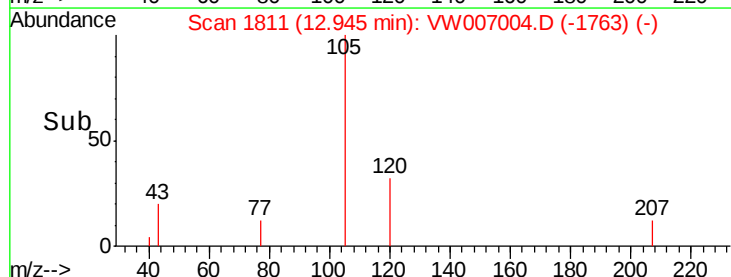
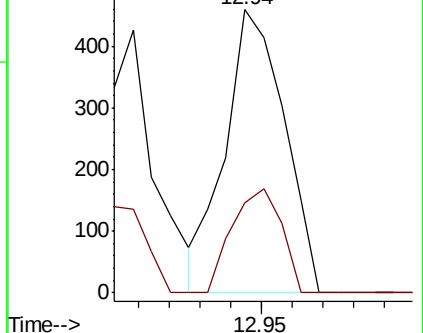
105 100

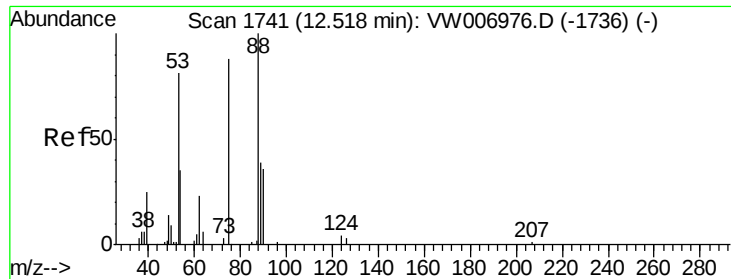
120 30.6 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 196.873 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007004.D

Acq: 21 Nov 2018 17:08

Instrument :

MSVOA_W

ClientSampleId :

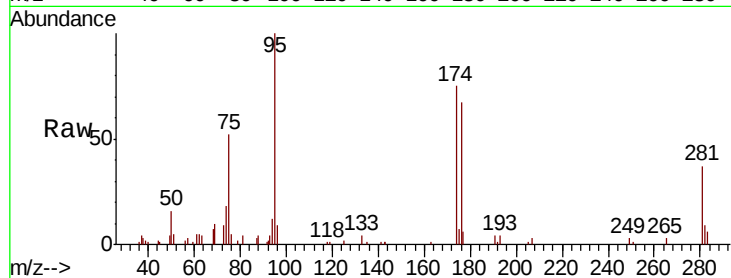
Tot Ion: 75 Resp: 5144

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

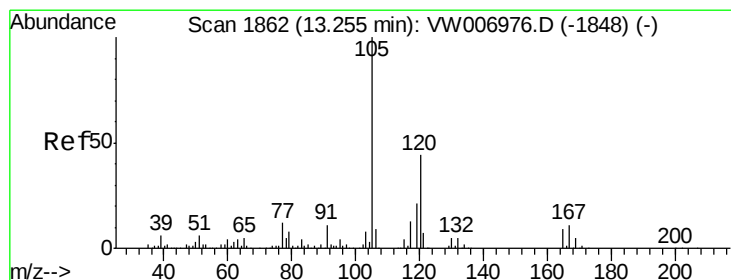
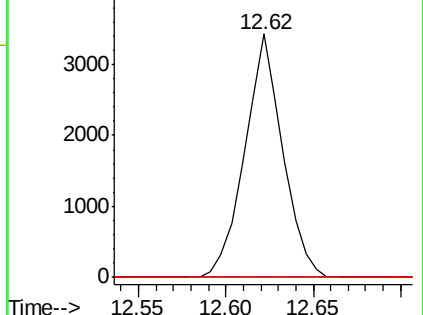
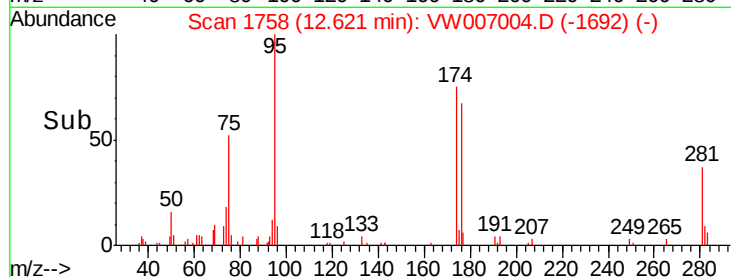
89 0.0 39.3 58.9#



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: 2.313 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007004.D

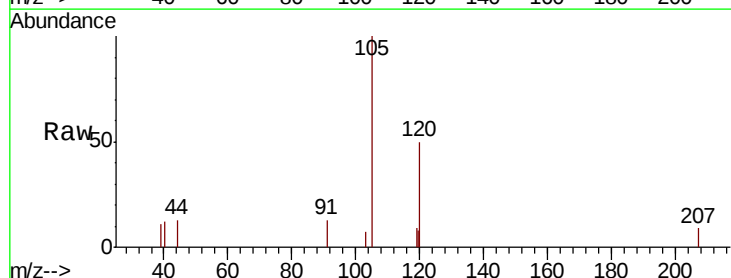
Acq: 21 Nov 2018 17:08

Tgt Ion: 105 Resp: 1293

Ion Ratio Lower Upper

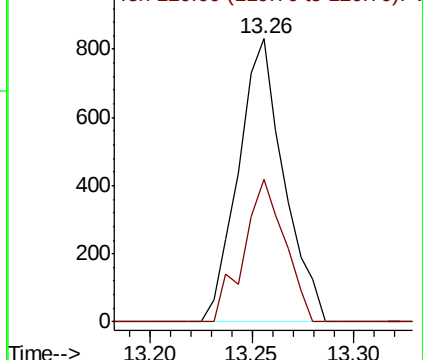
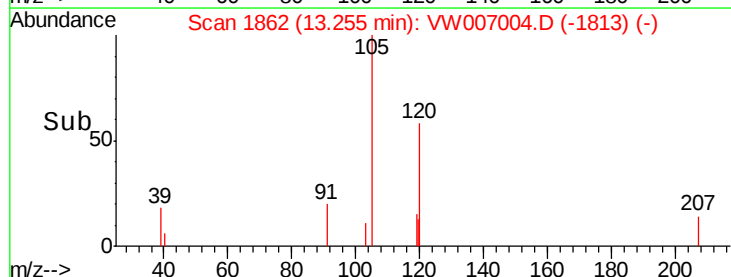
105 100

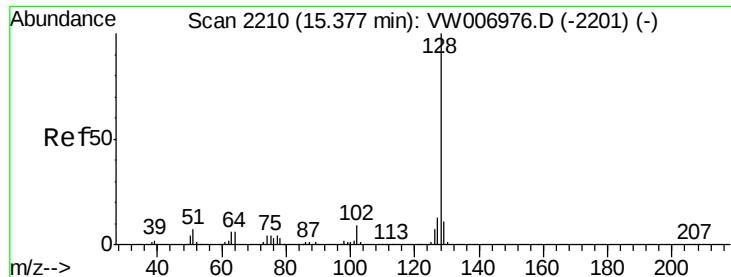
120 45.1 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

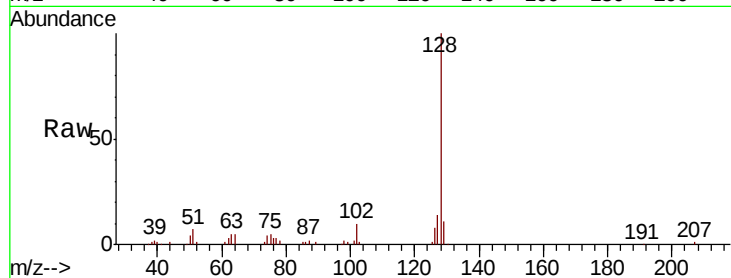




#95
Naphthalene
Concen: 89.473 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007004.D
Acq: 21 Nov 2018 17:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	11.1	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

