

Data File : VW008815.D
Acq On : 25 Feb 2019 18:58
Operator : SY/VA
Sample : K1610-03RE
Misc : 7.65G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WV-BRE

Quant Time: Feb 26 03:45:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	6353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	9954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	7191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	3585	60.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.34%	
35) Dibromofluoromethane	7.89	113	3112	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	10629	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
62) 4-Bromofluorobenzene	12.62	95	2285	25.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.60%	

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	292	3.770	ug/l #	52
5) Bromomethane	2.81	94	91	1.494	ug/l #	4
6) Chloroethane	2.89	64	158	2.713	ug/l #	43
8) Diethyl Ether	3.65	74	50	1.523	ug/l	98
11) Tert butyl alcohol	5.15	59	301	56.742	ug/l #	67
13) Acrolein	3.87	56	87	34.098	ug/l #	50
14) Allyl chloride	4.68	41	253	2.635	ug/l #	47
15) Acrylonitrile	5.38	53	206	14.618	ug/l #	71
16) Acetone	4.12	43	716	51.841	ug/l	97
18) Methyl Acetate	4.67	43	256	7.815	ug/l #	51
20) Methylene Chloride	4.90	84	656	5.049	ug/l #	74
23) Vinyl Acetate	6.25	43	156	1.318	ug/l #	73
25) 2-Butanone	7.12	43	1905	98.657	ug/l	95
26) 2,2-Dichloropropane	7.18	77	191	1.896	ug/l #	54
27) cis-1,2-Dichloroethene	7.23	96	87	1.264	ug/l	47
29) Tetrahydrofuran	7.52	42	245	19.910	ug/l #	35
30) Chloroform	7.62	83	141	1.238	ug/l #	17
31) Cyclohexane	7.95	56	252	2.243	ug/l #	90
37) Ethyl Acetate	7.28	43	342	7.590	ug/l #	70
38) Carbon Tetrachloride	7.95	117	792	7.751	ug/l #	35
41) Methacrylonitrile	7.50	41	461	17.405	ug/l #	48
43) Isopropyl Acetate	8.41	43	116	1.290	ug/l #	52
48) Methyl methacrylate	9.44	41	230	5.340	ug/l #	13
49) 1,4-Dioxane	9.31	88	23	39.496	ug/l #	1
51) 4-Methyl-2-Pentanone	10.06	43	100	2.190	ug/l	94
52) Toluene	10.38	92	328	1.827	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	131	1.274	ug/l #	73
55) 1,1,2-Trichloroethane	10.79	97	331	6.712	ug/l #	30
56) Ethyl methacrylate	10.65	69	87	1.358	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	81	2.514	ug/l #	45
59) 2-Hexanone	10.91	43	167	5.138	ug/l	91
60) Dibromochloromethane	11.13	129	76	1.263	ug/l #	10
61) 1,2-Dibromoethane	11.37	107	60	1.229	ug/l	97
64) Tetrachloroethene	10.80	164	61	1.185	ug/l #	1

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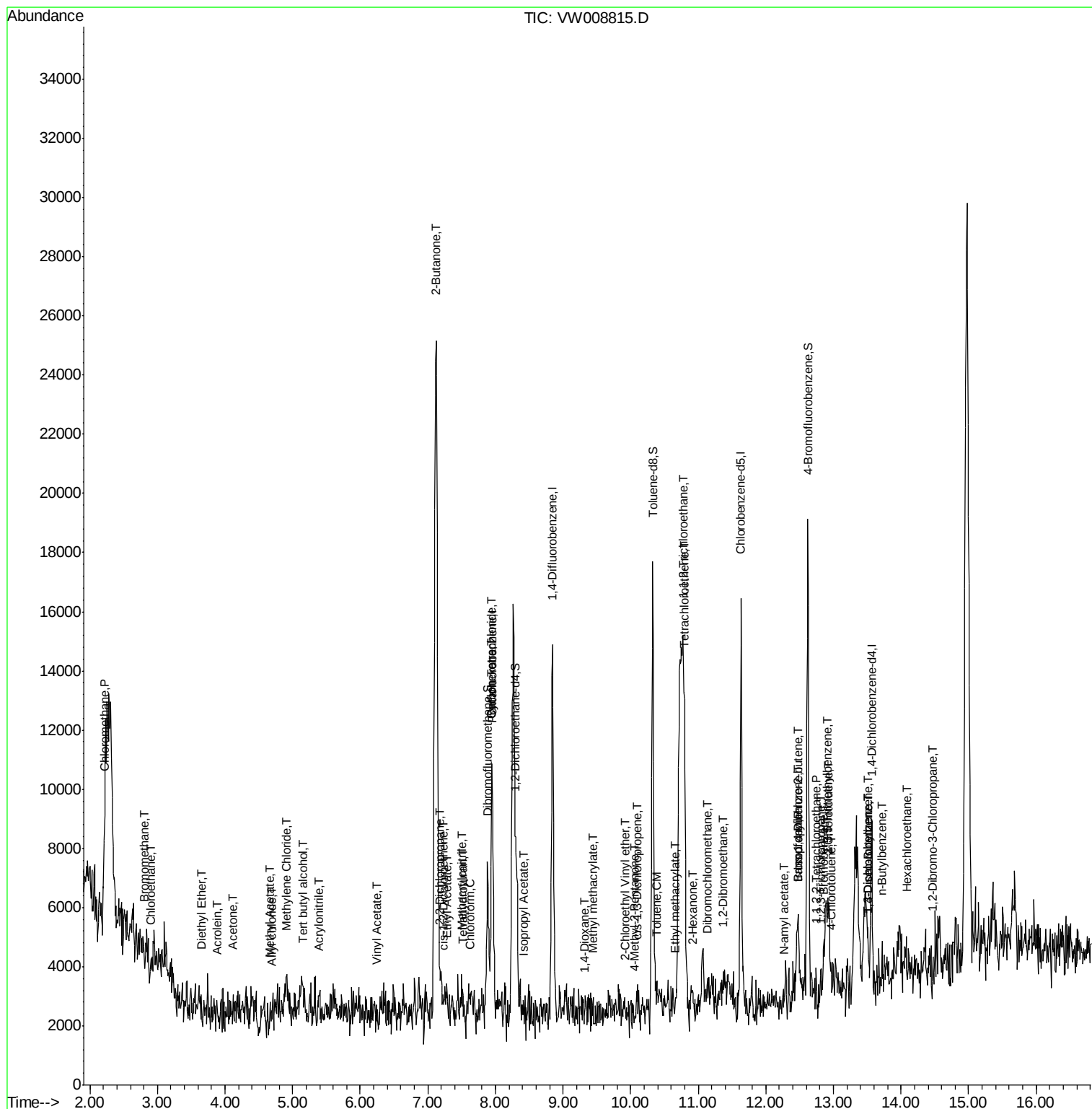
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.46	173	39	1.419	ug/l #	29
73) Isopropylbenzene	12.47	105	225	2.341	ug/l #	45
74) N-amyl acetate	12.27	43	101	4.172	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.75	83	22	1.401	ug/l #	39
76) 1,2,3-Trichloropropane	12.82	75	190	16.414	ug/l #	100
77) Bromobenzene	12.86	156	988	43.500	ug/l #	1
79) 2-Chlorotoluene	12.93	91	78	1.169	ug/l	90
80) 1,3,5-Trimethylbenzene	12.91	105	84	1.006	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.46	75	37	7.771	ug/l #	1
82) 4-Chlorotoluene	12.98	91	92	1.308	ug/l	78
85) sec-Butylbenzene	13.51	105	130	1.252	ug/l	82
87) 1,3-Dichlorobenzene	13.52	146	59	1.252	ug/l #	35
88) 1,4-Dichlorobenzene	13.52	146	59	1.270	ug/l #	34
89) n-Butylbenzene	13.71	91	120	1.345	ug/l	88
90) Hexachloroethane	14.09	117	83	5.326	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.47	75	89	31.329	ug/l #	10

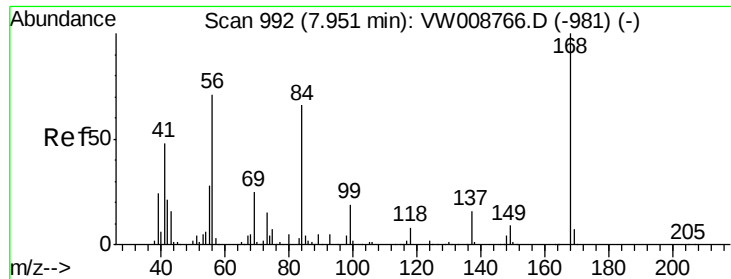
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

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Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

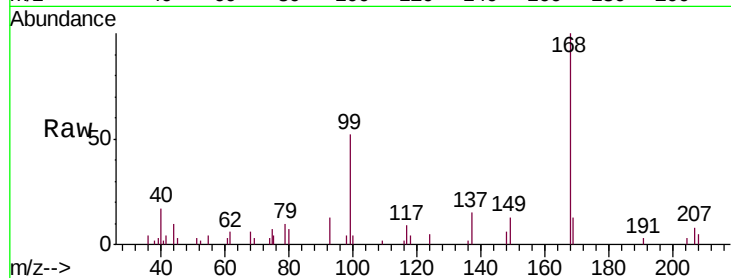
WV-BRE

Tgt Ion:168 Resp: 6353

Ion Ratio Lower Upper

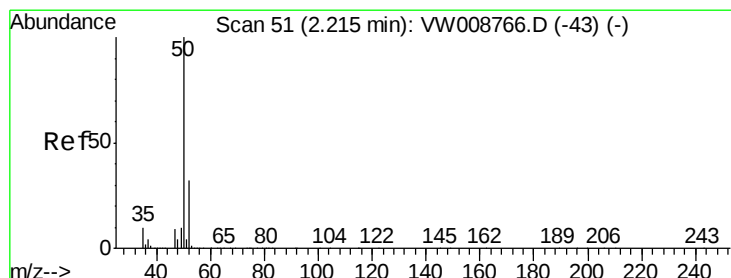
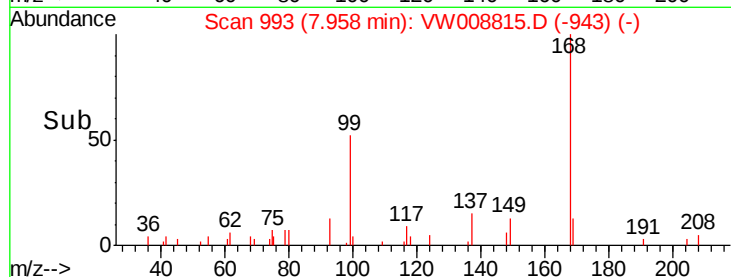
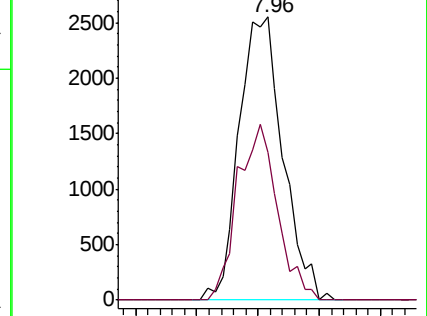
168 100

99 52.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 3.770 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008815.D

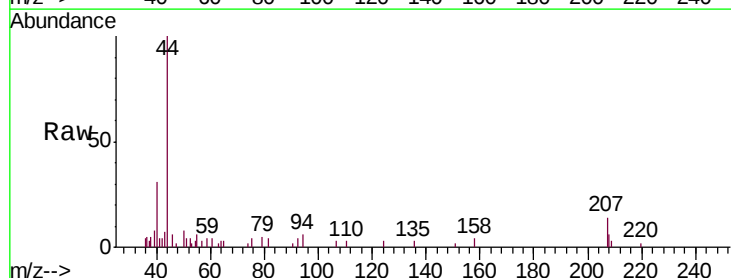
Acq: 25 Feb 2019 18:58

Tgt Ion: 50 Resp: 292

Ion Ratio Lower Upper

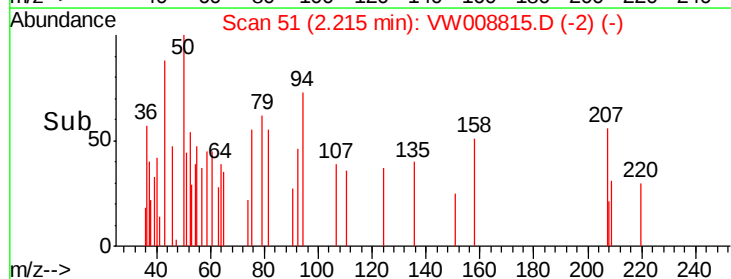
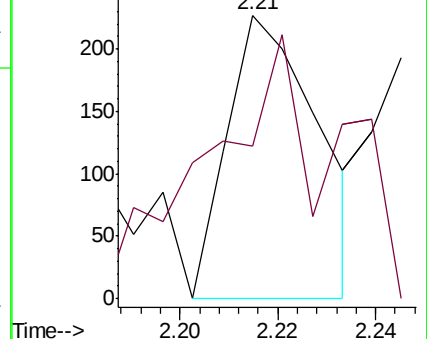
50 100

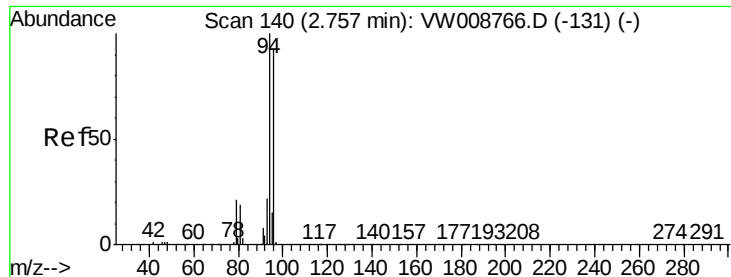
52 5.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 1.494 ug/l

RT: 2.81 min Scan# 148

Delta R.T. 0.05 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

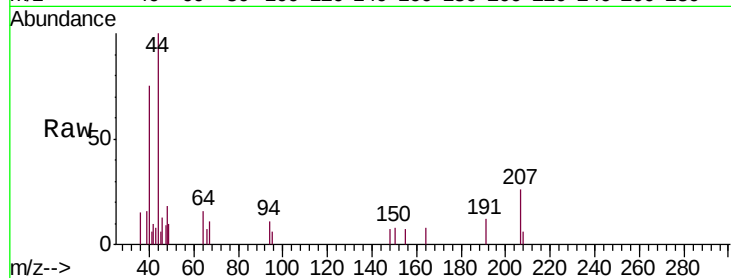
WV-BRE

Tgt Ion: 94 Resp: 91

Ion Ratio Lower Upper

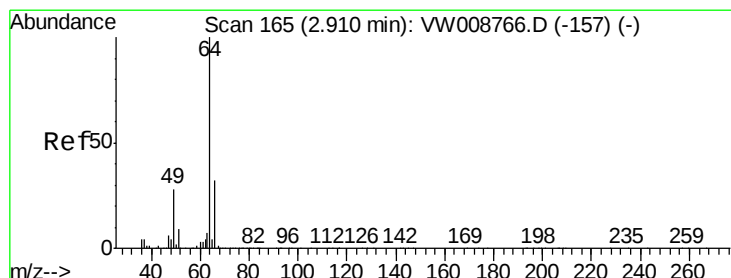
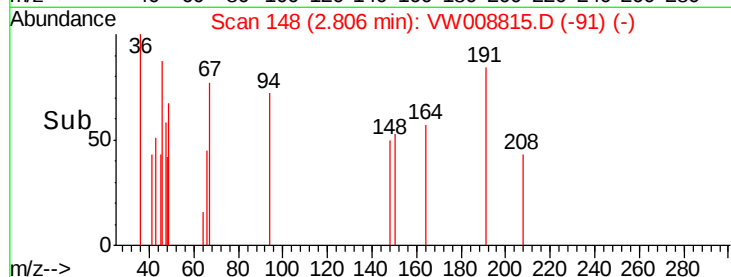
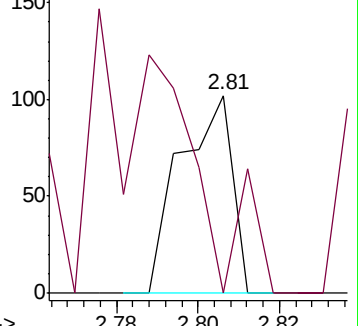
94 100

96 0.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 2.713 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW008815.D

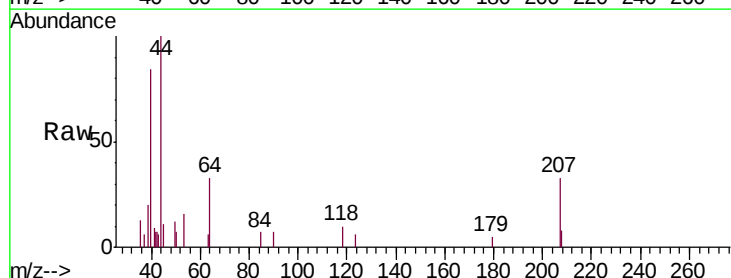
Acq: 25 Feb 2019 18:58

Tgt Ion: 64 Resp: 158

Ion Ratio Lower Upper

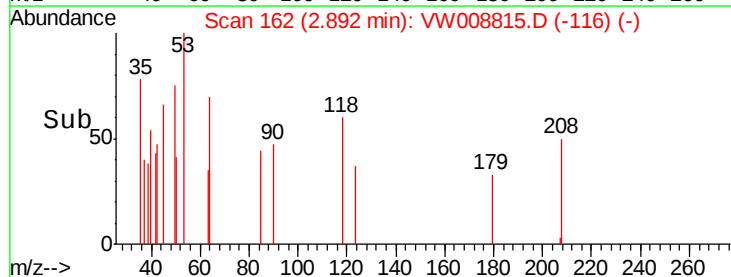
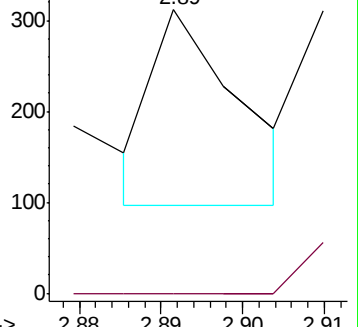
64 100

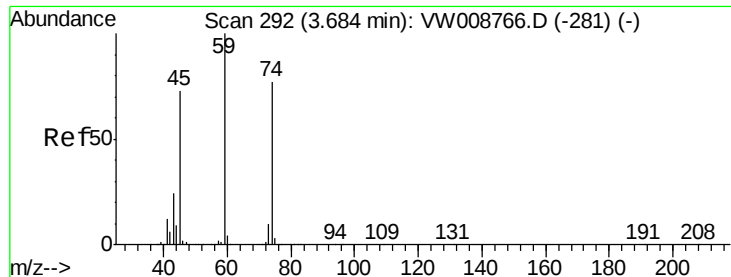
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#8

Diethyl Ether

Concen: 1.523 ug/l

RT: 3.65 min Scan# 287

Delta R.T. -0.03 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

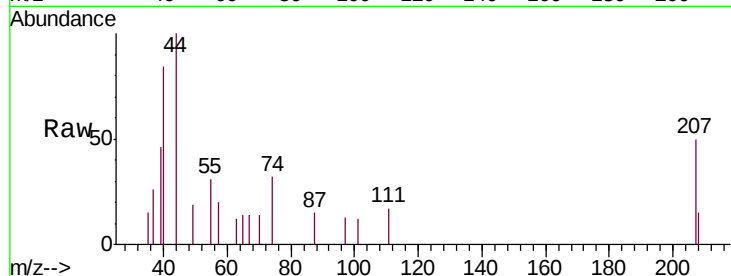
WV-BRE

Tgt Ion: 74 Resp: 50

Ion Ratio Lower Upper

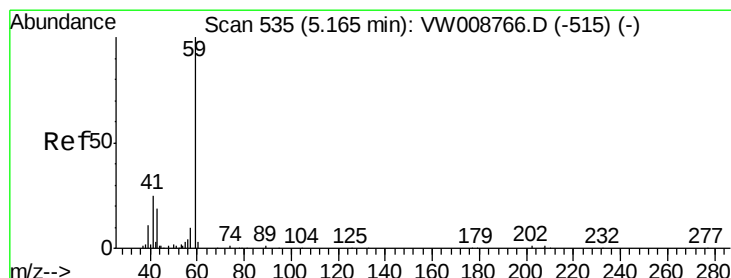
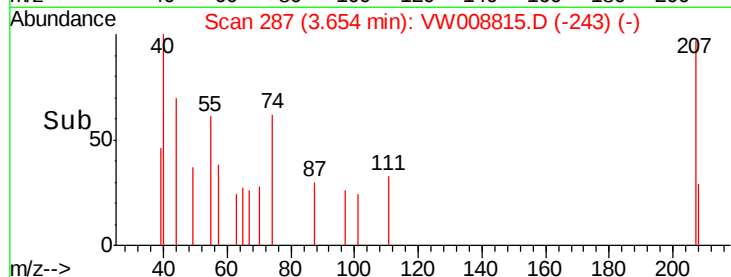
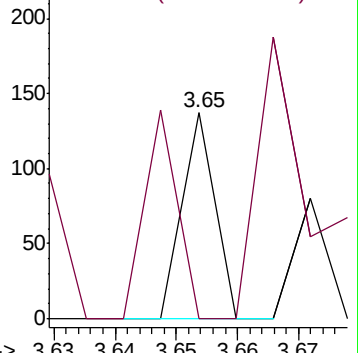
74 100

45 102.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 56.742 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW008815.D

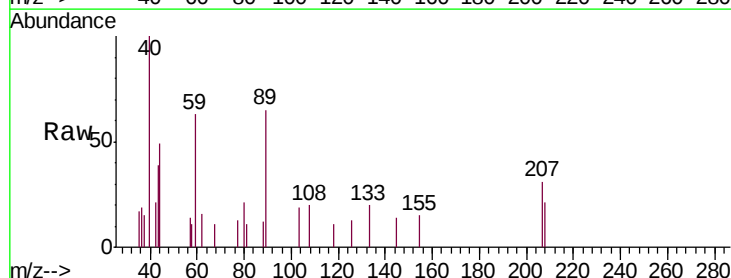
Acq: 25 Feb 2019 18:58

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

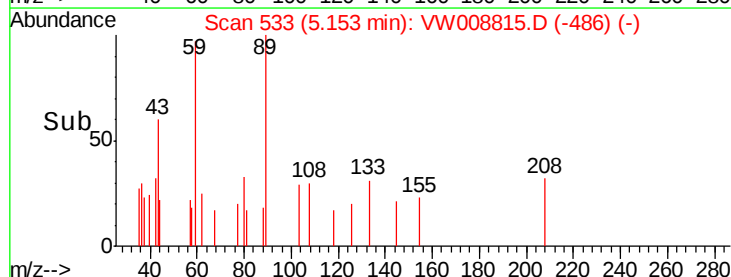
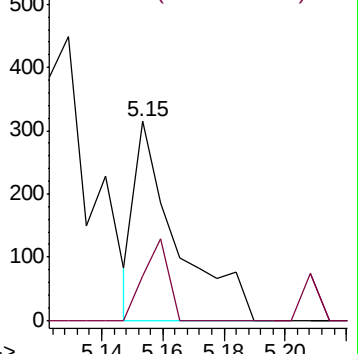
59 100

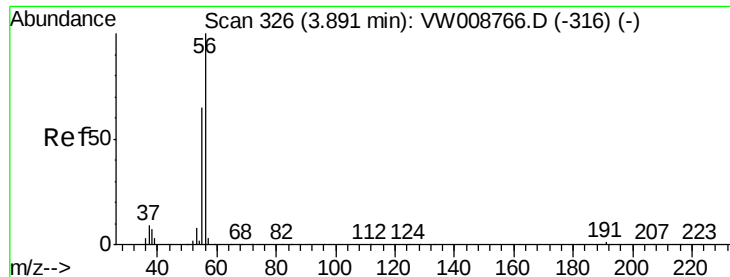
57 24.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 34.098 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

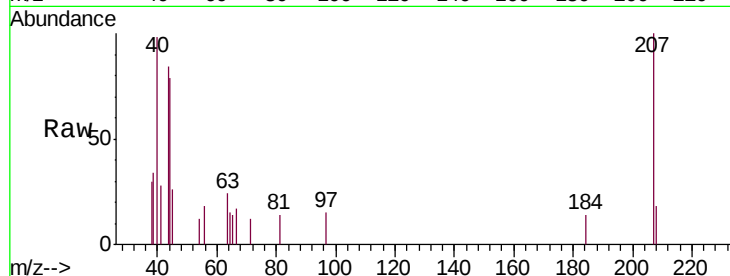
VV-BRE

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

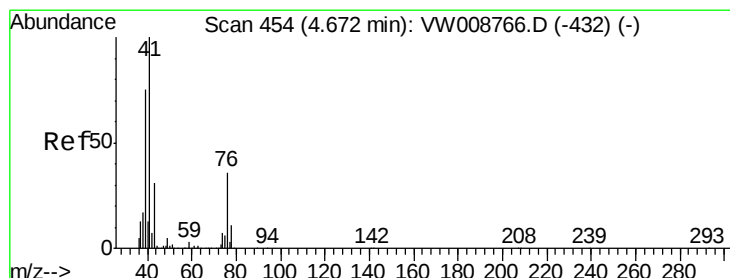
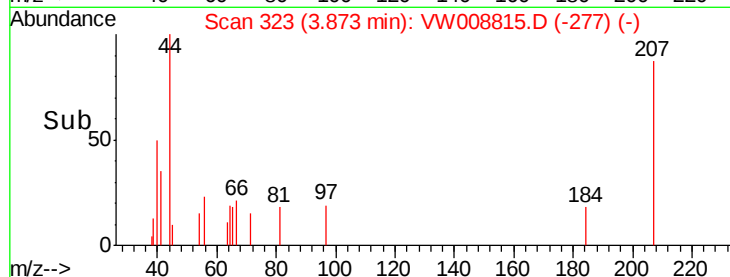
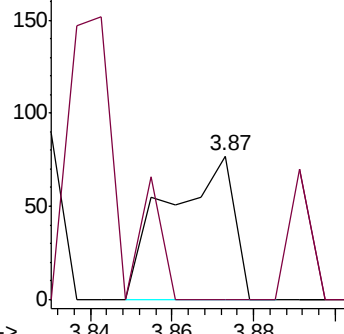
56 100

55 29.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VV

Ion 55.00 (54.70 to 55.70): VV



#14

Allyl chloride

Concen: 2.635 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

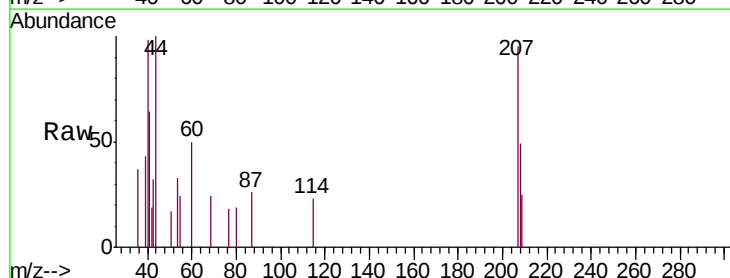
Tgt Ion: 41 Resp: 253

Ion Ratio Lower Upper

41 100

39 123.7 60.6 91.0#

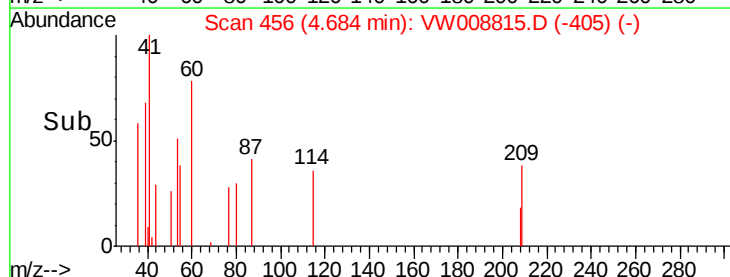
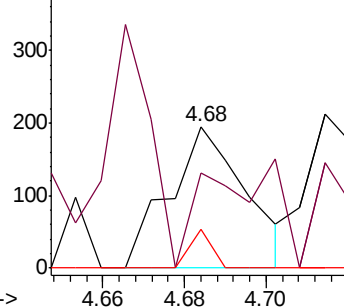
76 7.9 28.6 42.8#

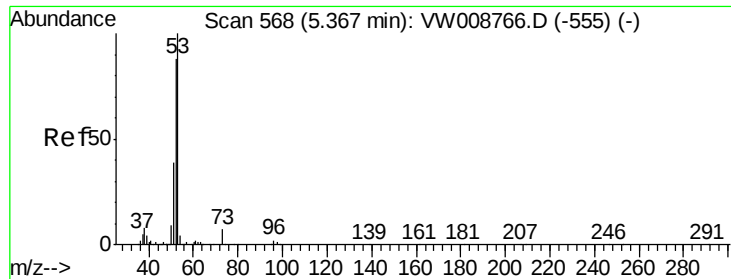


Abundance Ion 41.00 (40.70 to 41.70): VV

Ion 39.00 (38.70 to 39.70): VV

Ion 75.90 (75.60 to 76.60): VV





#15

Acrylonitrile

Concen: 14.618 ug/l

RT: 5.38 min Scan# 571

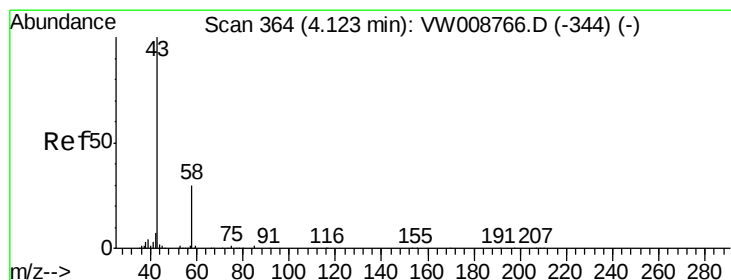
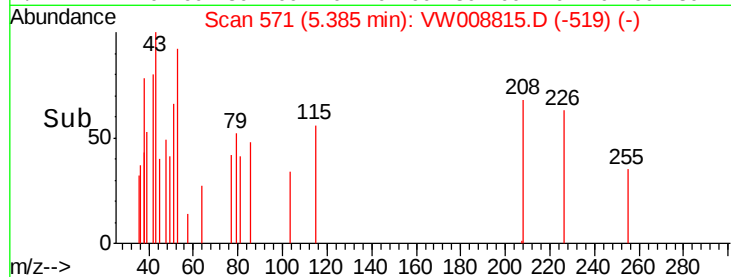
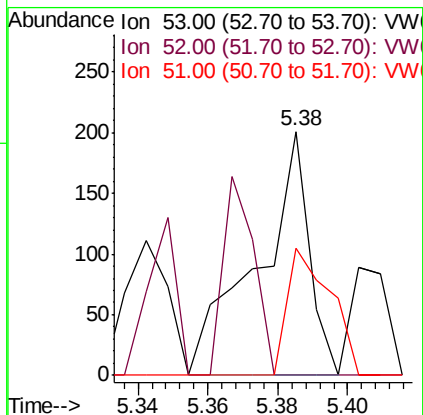
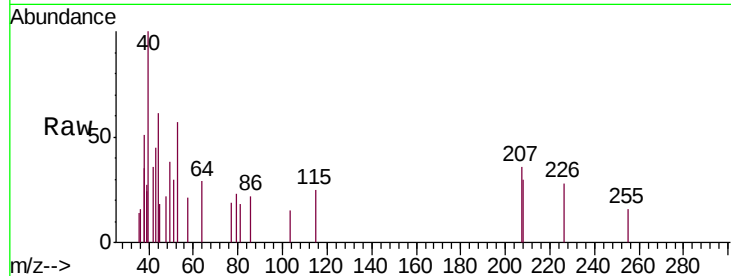
Delta R.T. 0.02 min

Lab File: VW008815.D

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WV-BRE

Tgt Ion:	53	Resp:	206
Ion	Ratio	Lower	Upper
53	100		
52	49.0	67.2	100.8#
51	43.7	31.1	46.7



#16

Acetone

Concen: 51.841 ug/l

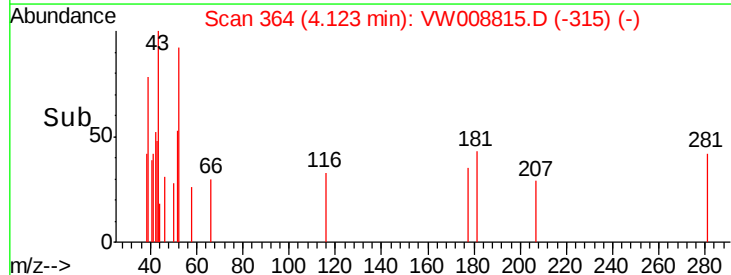
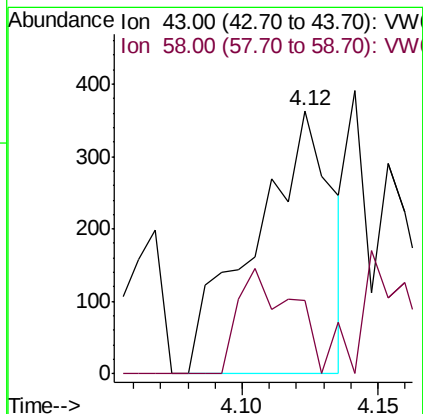
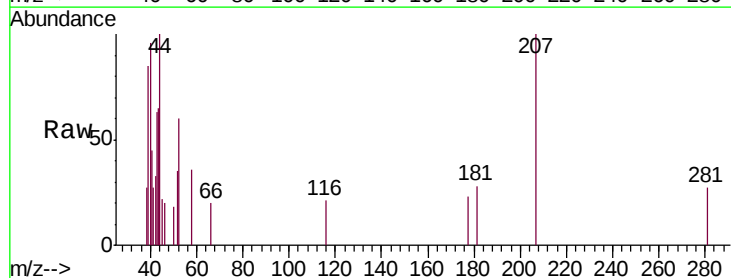
RT: 4.12 min Scan# 364

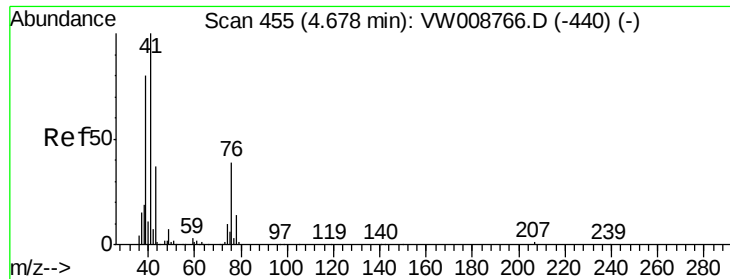
Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Tgt Ion:	43	Resp:	716
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.8	35.6

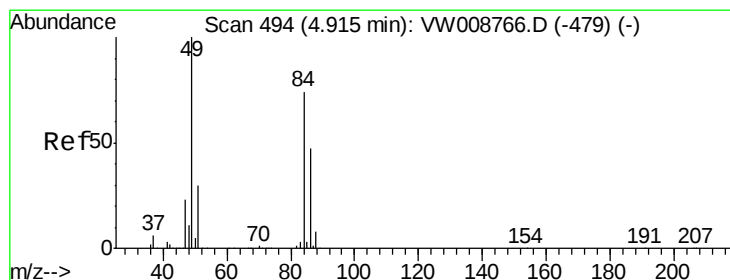
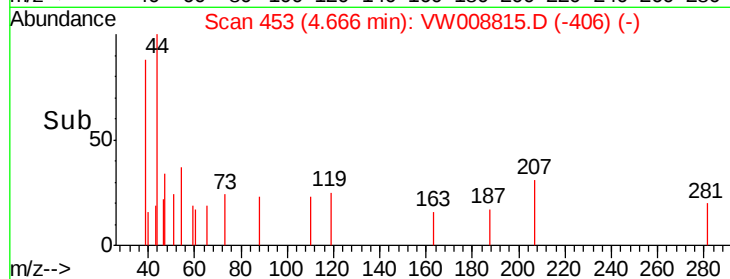
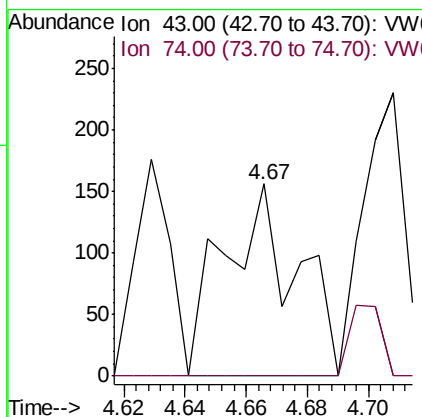
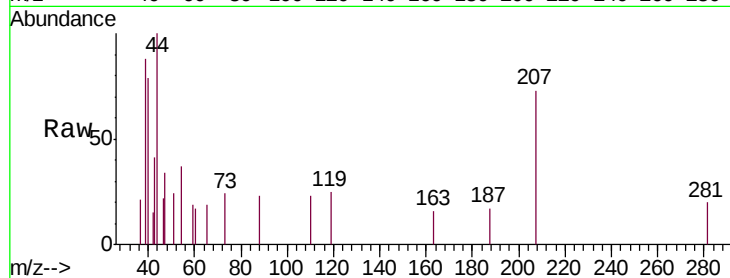




#18
Methyl Acetate
Concen: 7.815 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

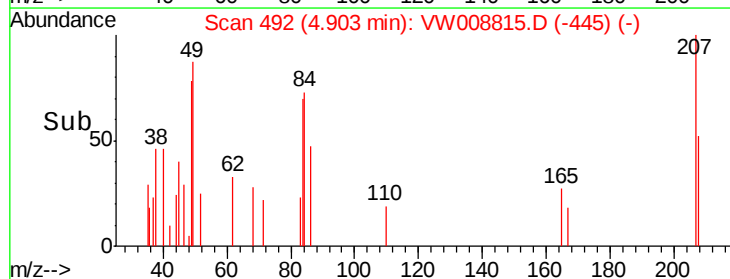
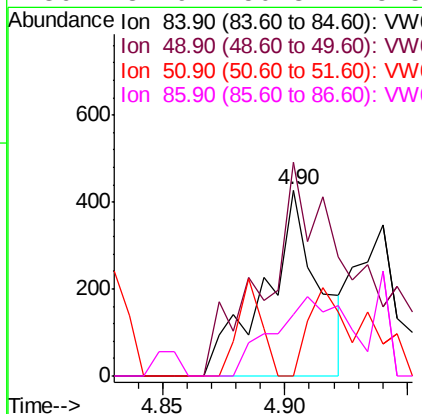
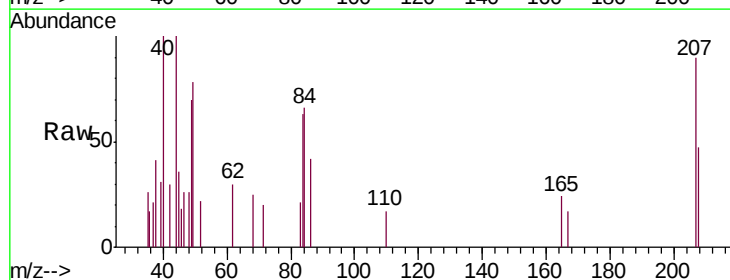
Instrument :
MSVOA_W
ClientSampleId :
WV-BRE

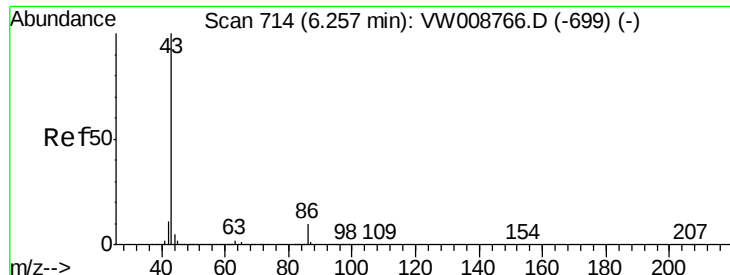
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 5.049 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Tgt Ion: 84 Resp: 656
Ion Ratio Lower Upper
84 100
49 114.7 108.2 162.2
51 17.3 32.7 49.1#
86 32.9 50.3 75.5#

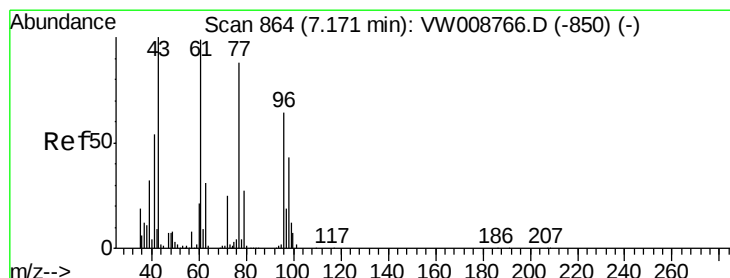
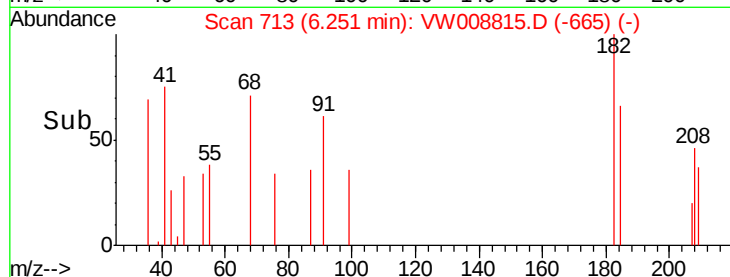
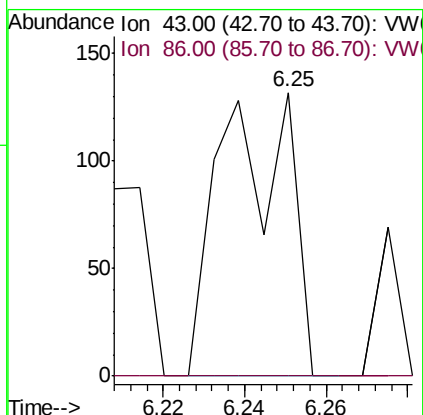
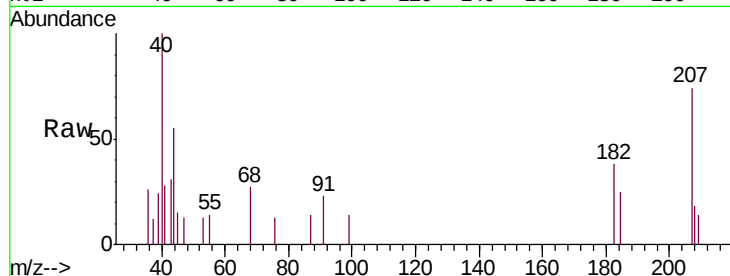




#23
 Vinyl Acetate
 Concen: 1.318 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

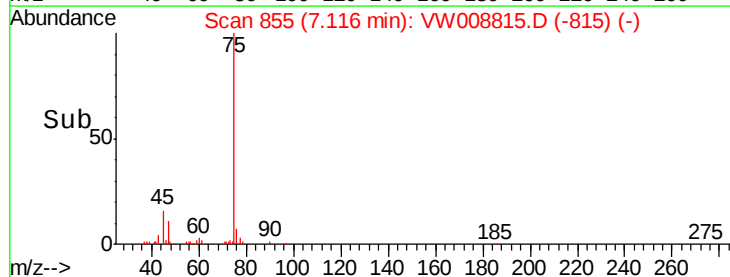
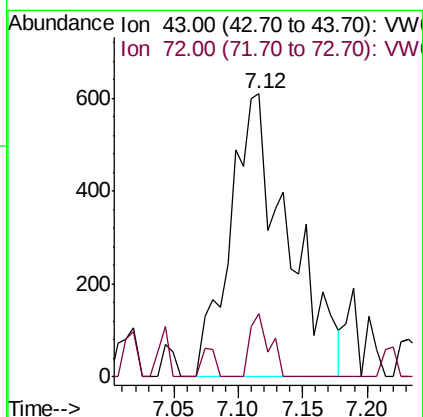
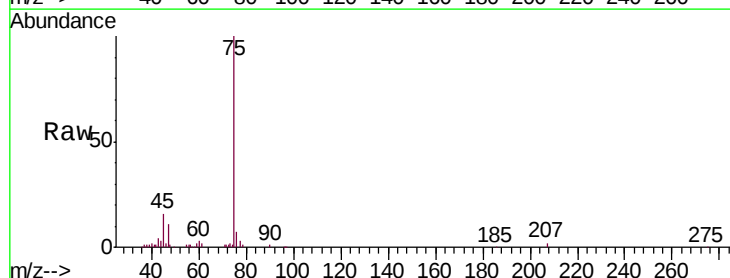
Instrument :
 MSVOA_W
 ClientSampled :
 WV-BRE

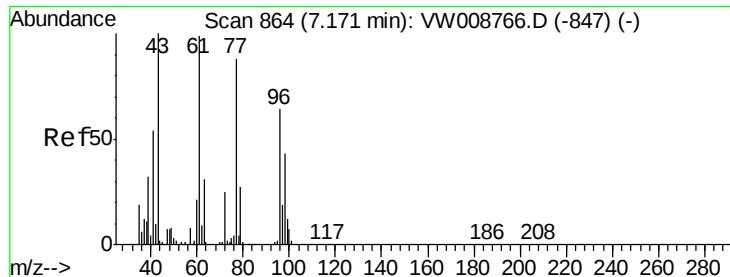
Tgt Ion: 43 Resp: 156
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.1 12.1#



#25
 2-Butanone
 Concen: 98.657 ug/l
 RT: 7.12 min Scan# 855
 Delta R.T. -0.05 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

Tgt Ion: 43 Resp: 1905
 Ion Ratio Lower Upper
 43 100
 72 22.2 19.7 29.5





#26

2,2-Dichloropropane

Concen: 1.896 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

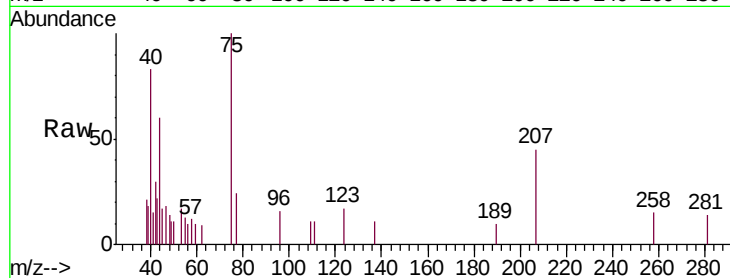
WV-BRE

Tgt Ion: 77 Resp: 191

Ion Ratio Lower Upper

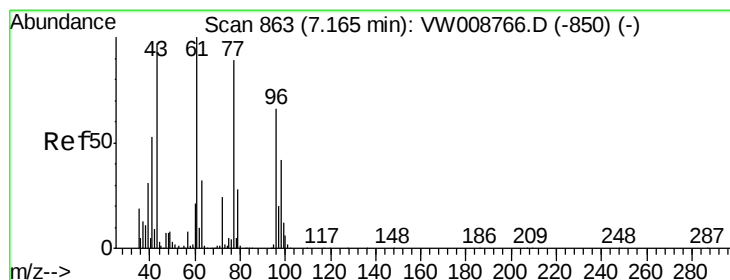
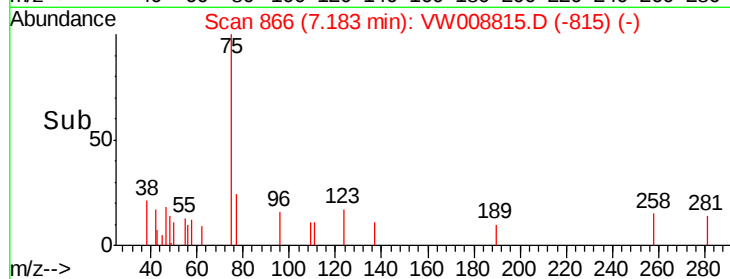
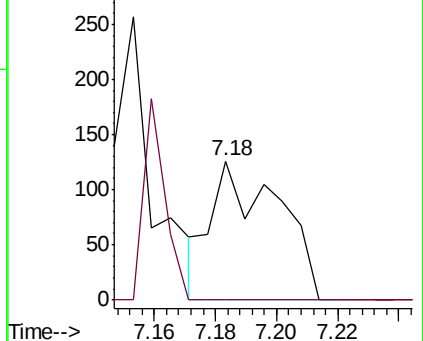
77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#27

cis-1,2-Dichloroethene

Concen: 1.264 ug/l

RT: 7.23 min Scan# 873

Delta R.T. 0.06 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

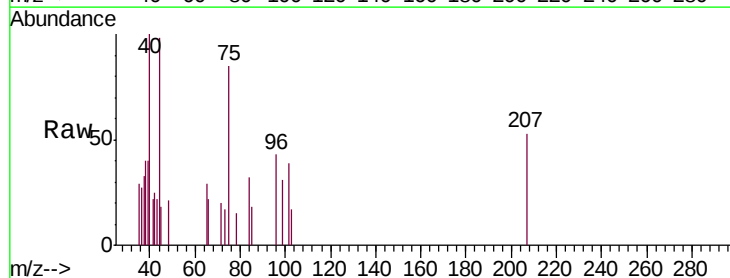
Tgt Ion: 96 Resp: 87

Ion Ratio Lower Upper

96 100

61 55.2 0.0 302.6

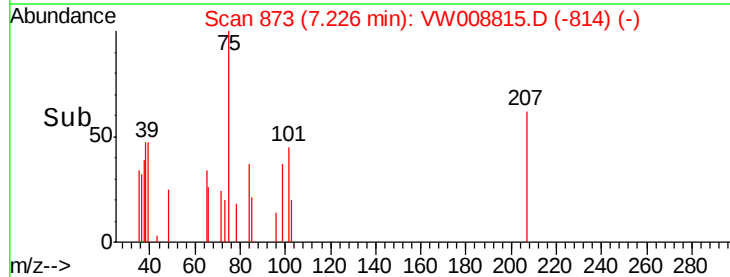
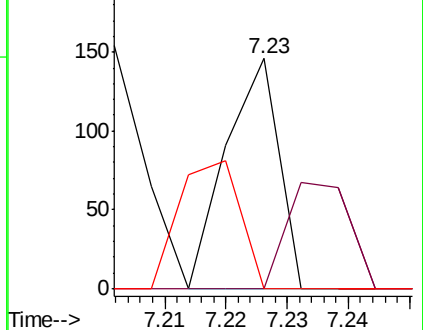
98 64.4 0.0 130.0

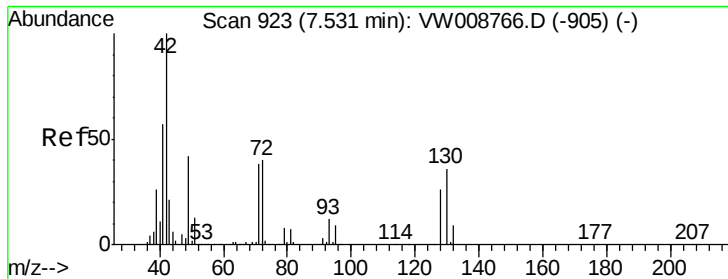


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

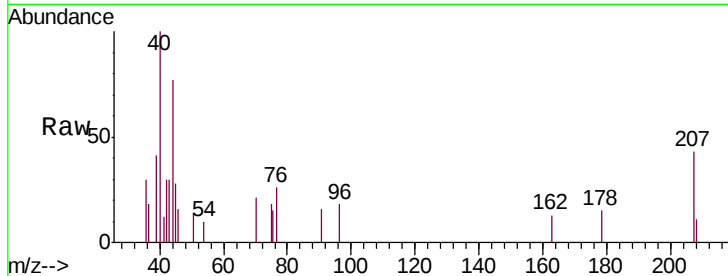




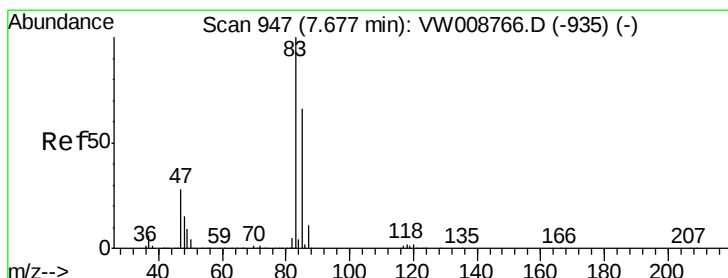
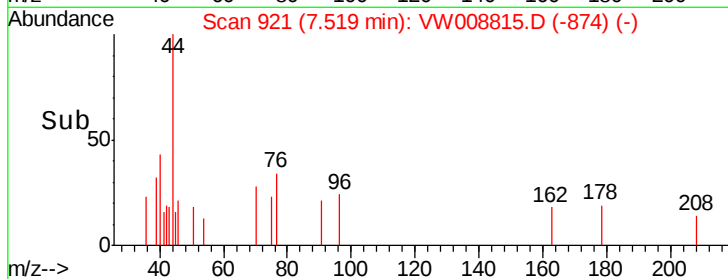
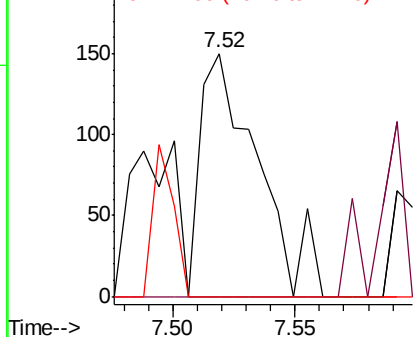
#29
Tetrahydrofuran
Concen: 19.910 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
VW-BRE

Tgt Ion: 42 Resp: 245
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 0.0 31.3 46.9#

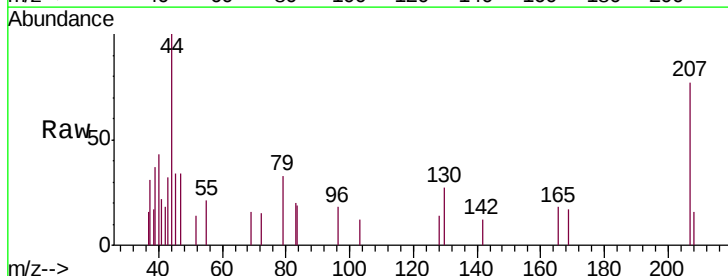


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

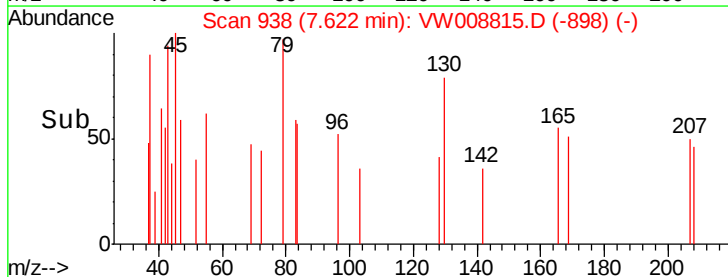
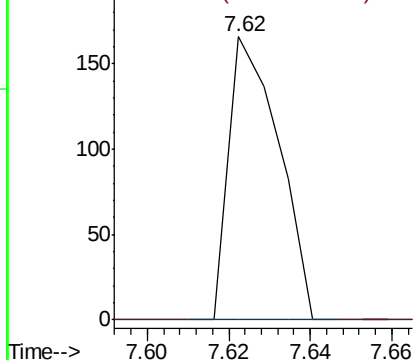


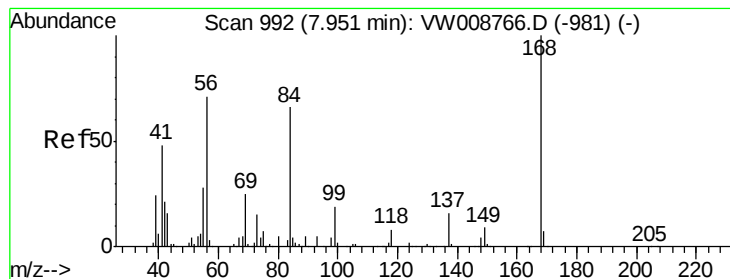
#30
Chloroform
Concen: 1.238 ug/l
RT: 7.62 min Scan# 938
Delta R.T. -0.05 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Tgt Ion: 83 Resp: 141
Ion Ratio Lower Upper
83 100
85 0.0 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 2.243 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

WV-BRE

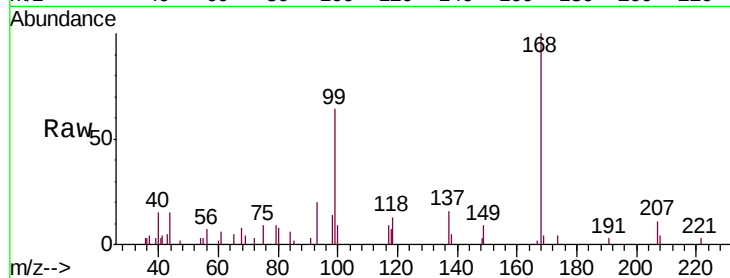
Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

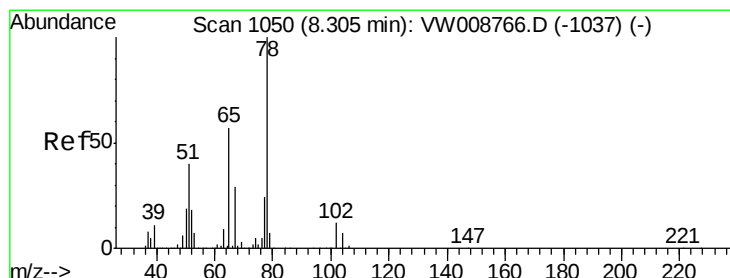
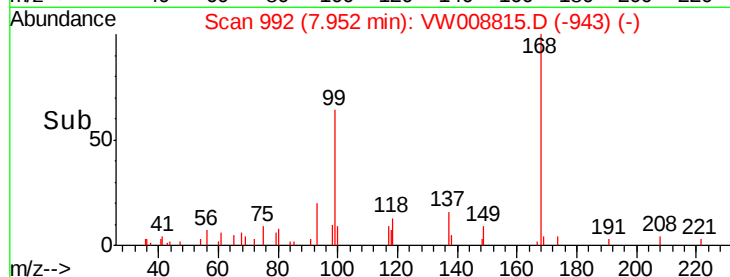
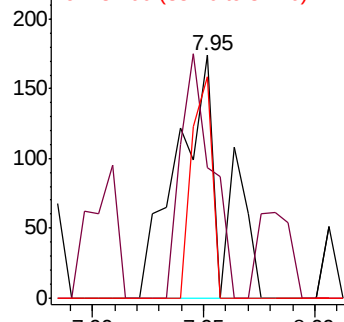
56 100

69 53.4 28.2 42.4#

84 91.4 74.1 111.1



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: 60.166 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008815.D

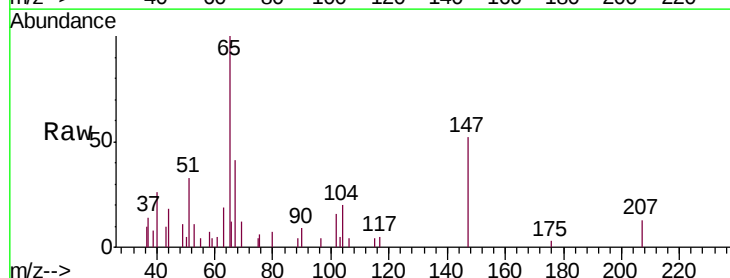
Acq: 25 Feb 2019 18:58

Tgt Ion: 65 Resp: 3585

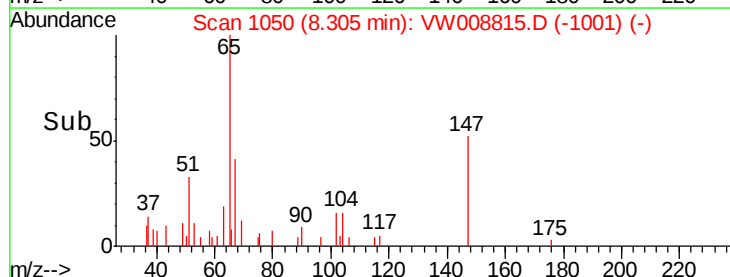
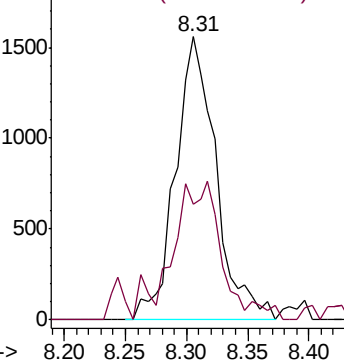
Ion Ratio Lower Upper

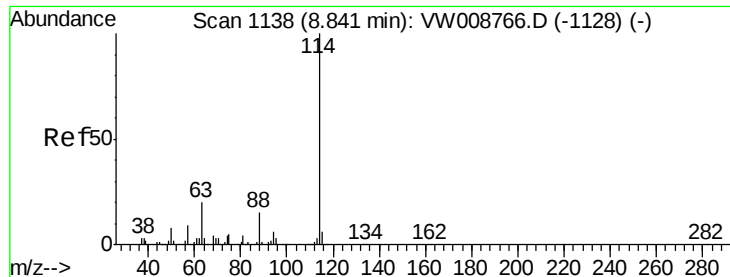
65 100

67 59.7 0.0 101.4



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

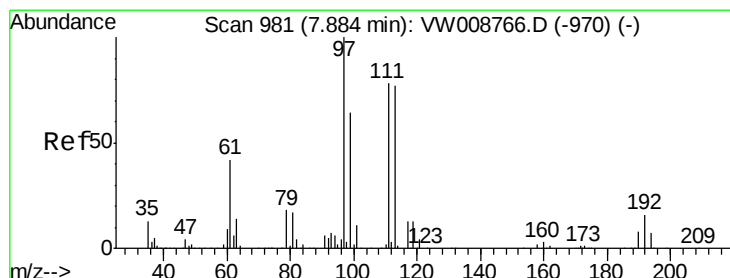
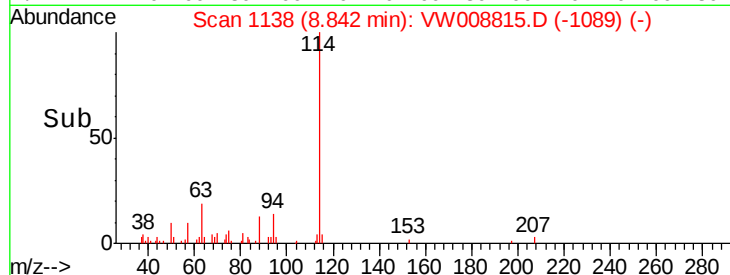
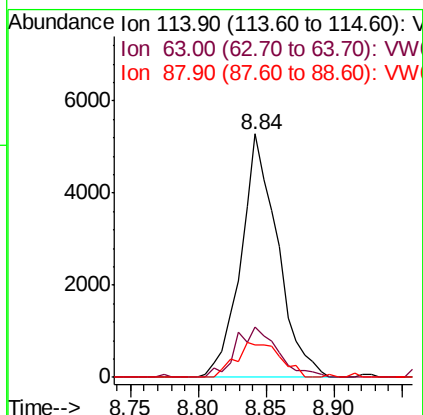
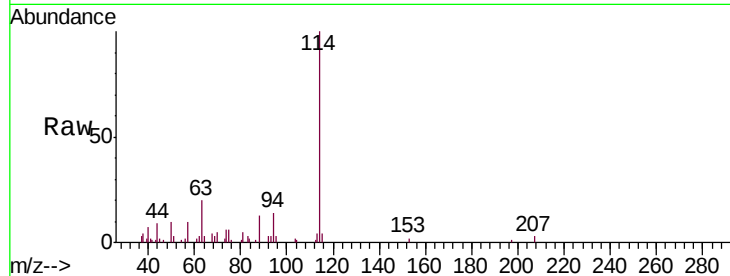




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

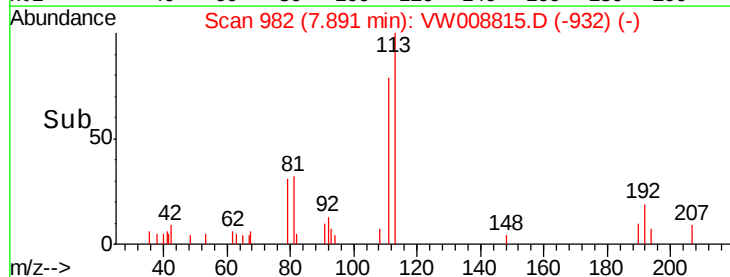
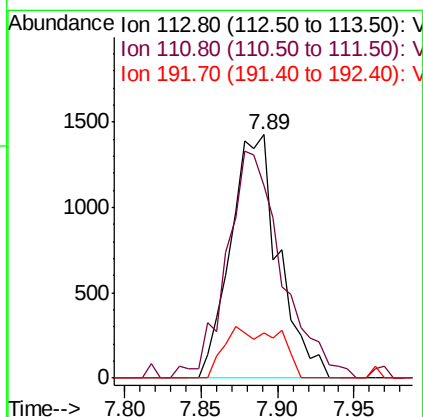
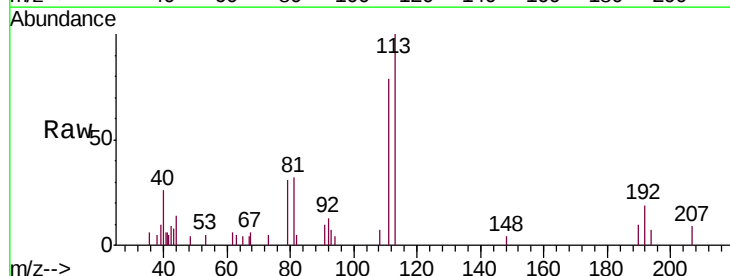
Instrument :
 MSVOA_W
 ClientSampleId :
 WV-BRE

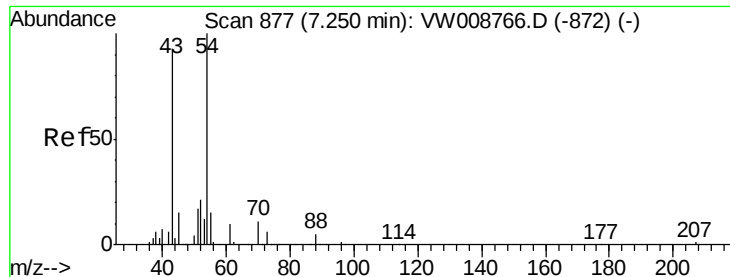
Tgt Ion:114 Resp: 9954
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 13.1 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.071 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

Tgt Ion:113 Resp: 3112
 Ion Ratio Lower Upper
 113 100
 111 107.1 81.9 122.9
 192 13.2 17.1 25.7#





#37

Ethyl Acetate

Concen: 7.590 ug/l

RT: 7.28 min Scan# 882

Delta R.T. 0.03 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

WV-BRE

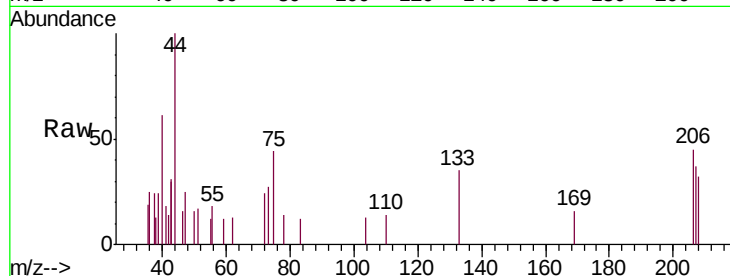
Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

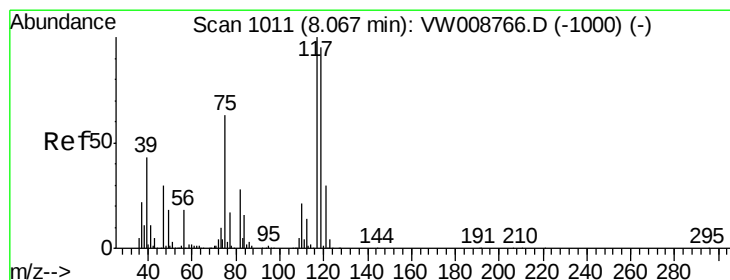
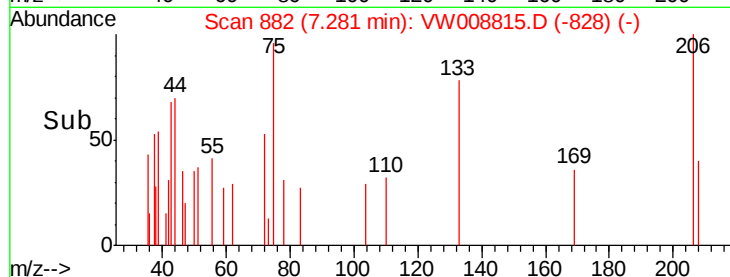
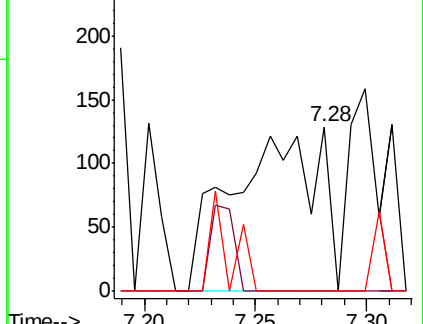
70 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.751 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

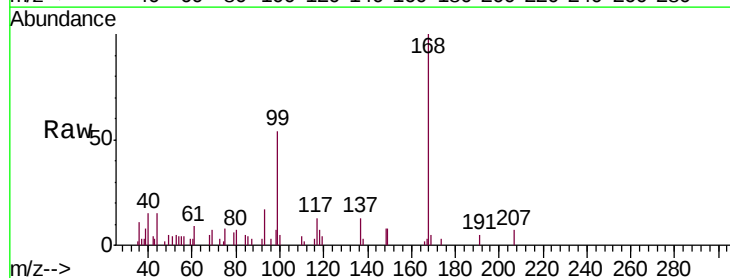
Tgt Ion: 117 Resp: 792

Ion Ratio Lower Upper

117 100

119 29.4 76.1 114.1#

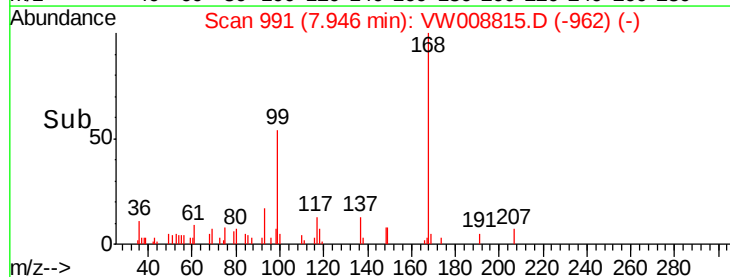
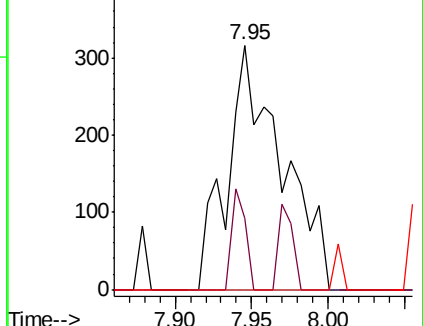
121 0.0 24.0 36.0#

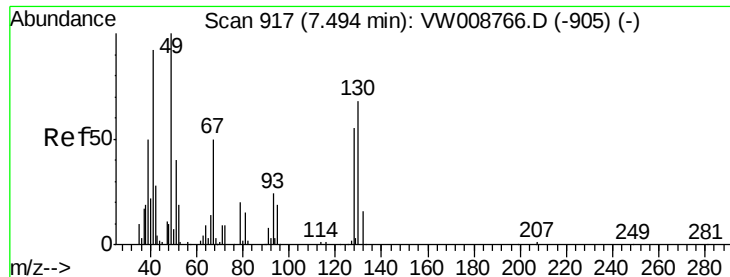


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 17.405 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

WV-BRE

Tgt Ion: 41 Resp: 461

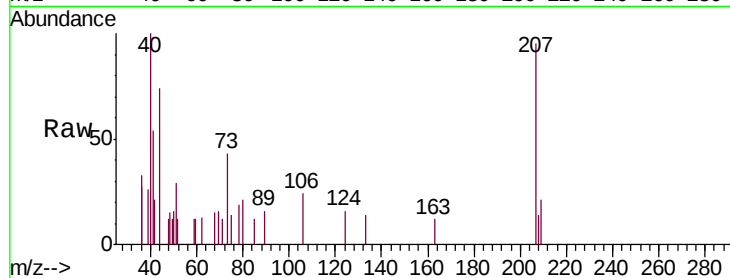
Ion Ratio Lower Upper

41 100

39 81.8 52.5 78.7#

67 5.4 55.0 82.6#

52 0.0 26.9 40.3#

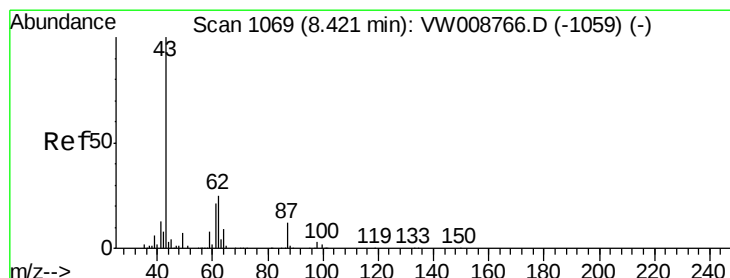
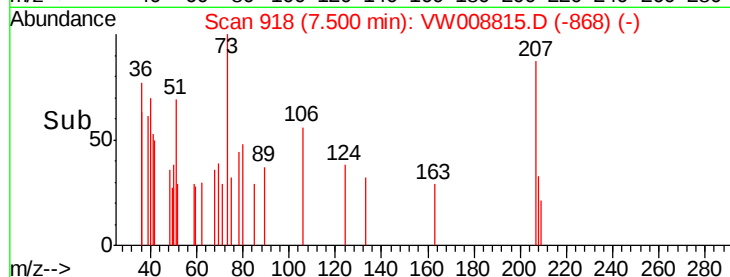
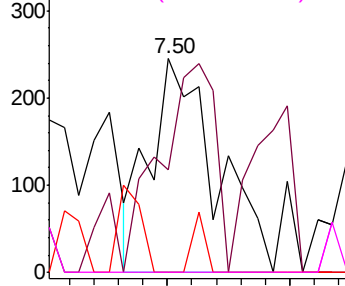


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#43

Isopropyl Acetate

Concen: 1.290 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

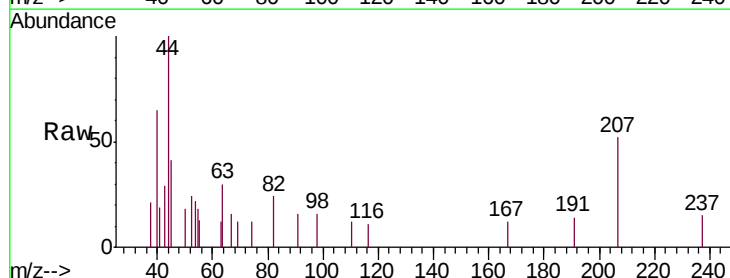
Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

61 0.0 23.2 34.8#

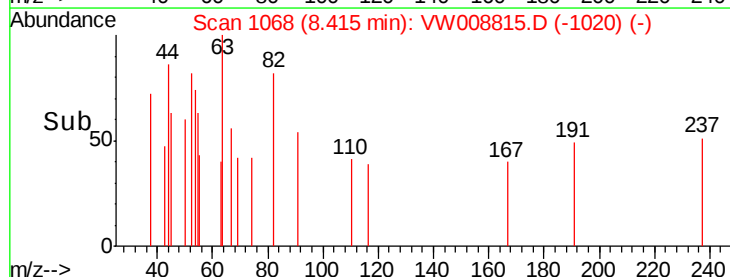
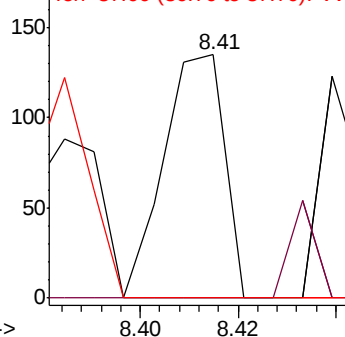
87 0.0 9.9 14.9#

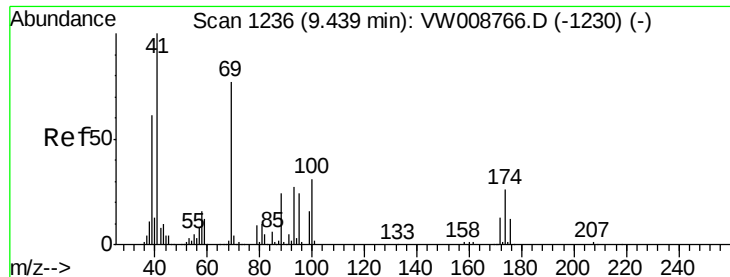


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

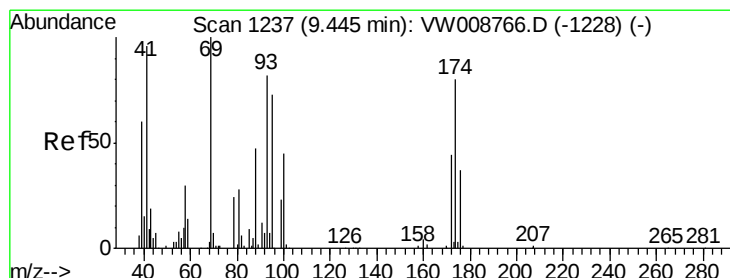
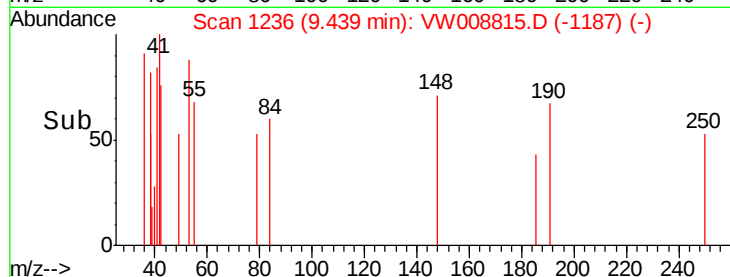
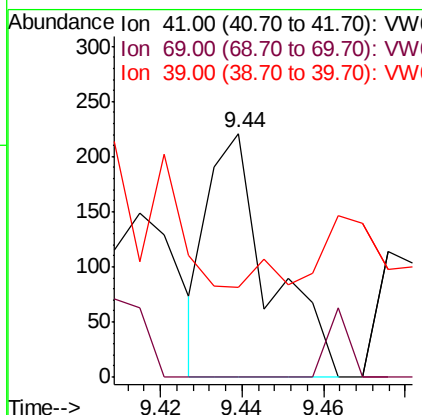
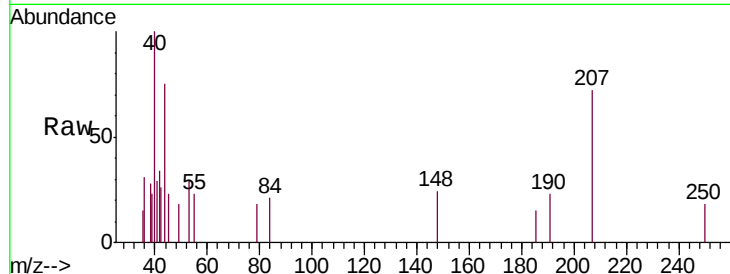




#48
Methyl methacrylate
Concen: 5.340 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

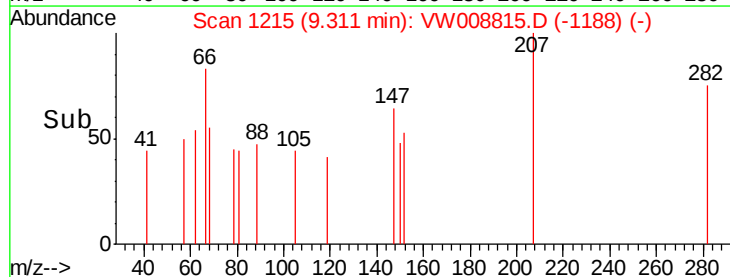
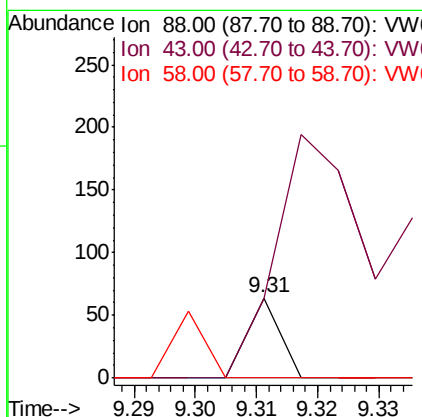
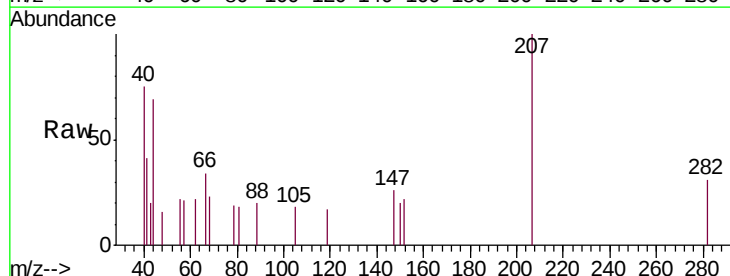
Instrument :
MSVOA_W
ClientSampled :
VW-BRE

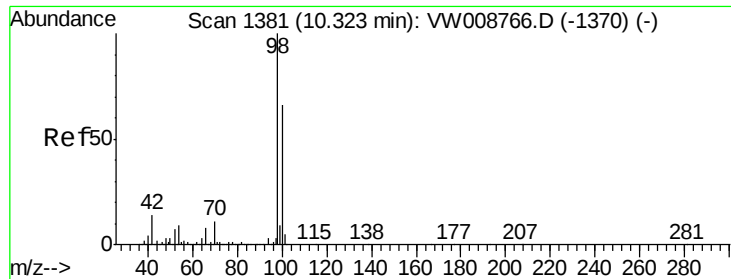
Tgt Ion: 41 Resp: 230
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 52.1 78.1#



#49
1,4-Dioxane
Concen: 39.496 ug/l
RT: 9.31 min Scan# 1215
Delta R.T. -0.13 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1217.4 29.0 43.4#
58 82.6 52.0 78.0#





#50

Toluene-d8

Concen: 46.071 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

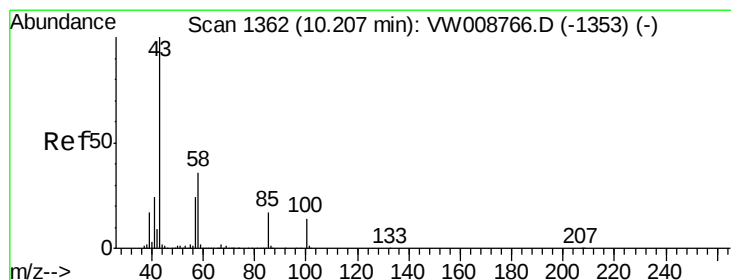
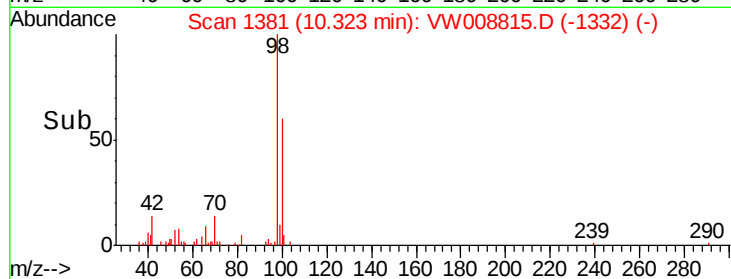
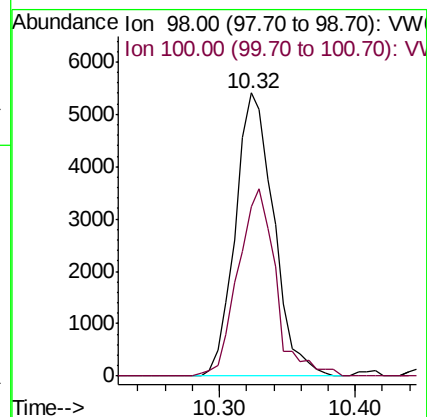
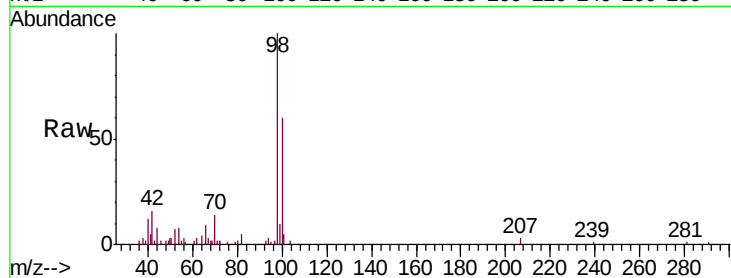
WV-BRE

Tgt Ion: 98 Resp: 10629

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 2.190 ug/l

RT: 10.06 min Scan# 1338

Delta R.T. -0.15 min

Lab File: VW008815.D

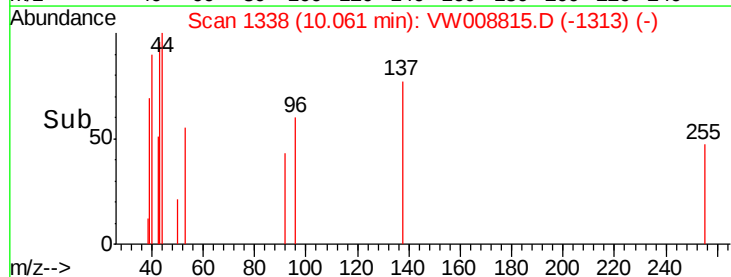
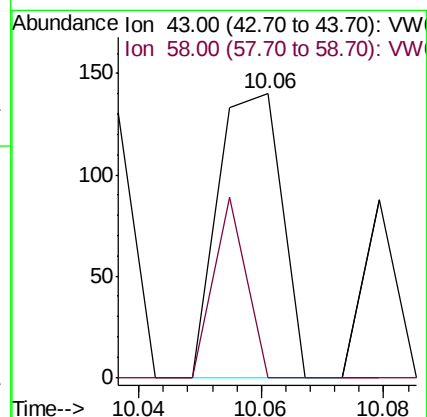
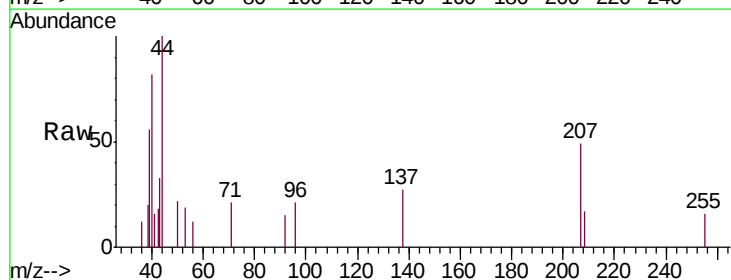
Acq: 25 Feb 2019 18:58

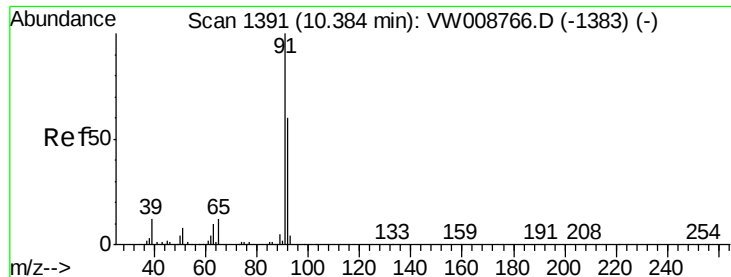
Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 33.0 29.1 43.7





#52

Toluene

Concen: 1.827 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

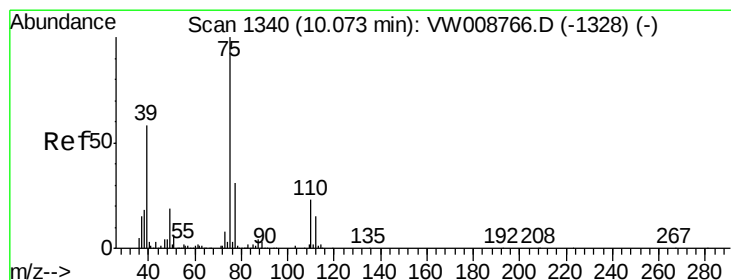
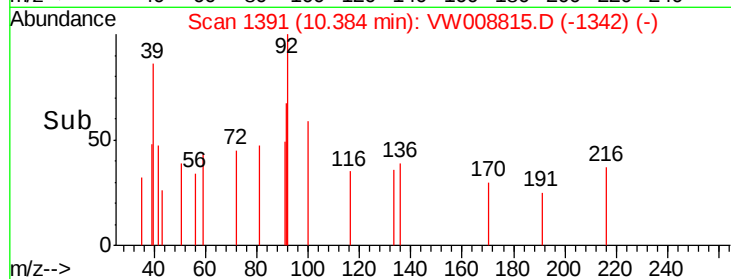
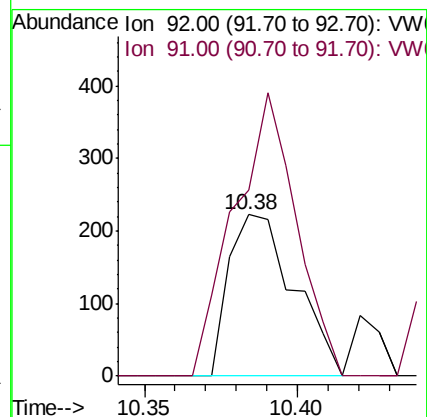
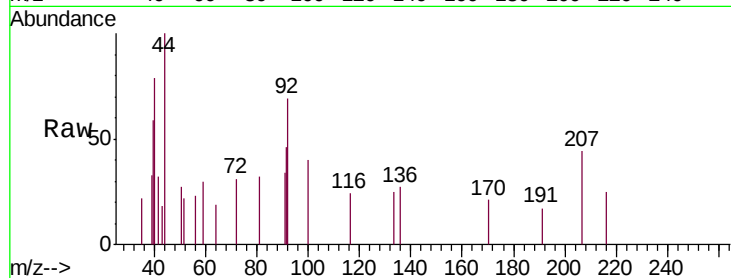
WV-BRE

Tgt Ion: 92 Resp: 328

Ion Ratio Lower Upper

92 100

91 167.4 136.9 205.3



#54

cis-1,3-Dichloropropene

Concen: 1.274 ug/l

RT: 10.10 min Scan# 1345

Delta R.T. 0.03 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

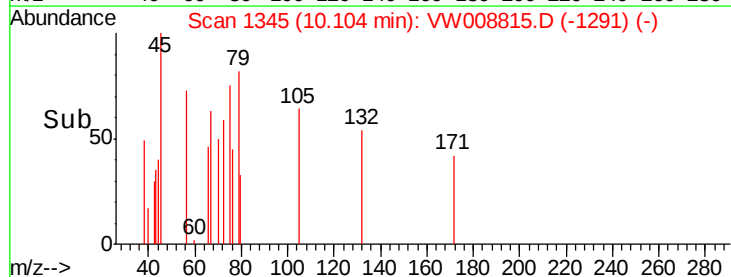
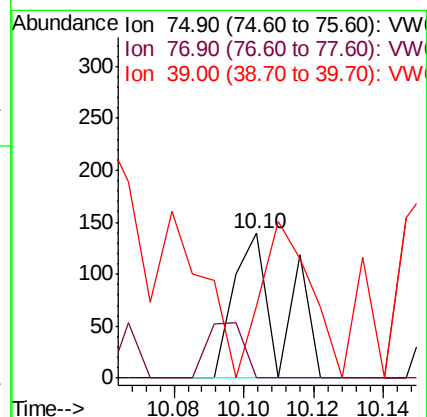
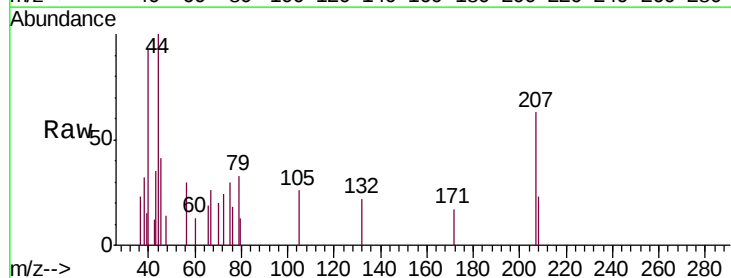
Tgt Ion: 75 Resp: 131

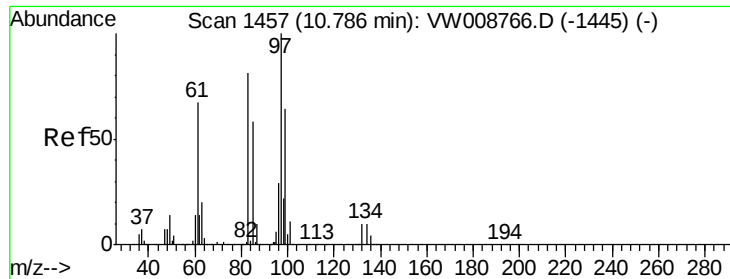
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 50.4 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 6.712 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

WV-BRE

Tgt Ion: 97 Resp: 331

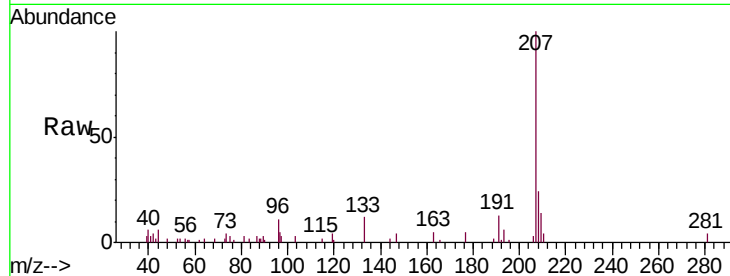
Ion Ratio Lower Upper

97 100

83 32.5 65.0 97.6#

85 0.0 46.0 69.0#

99 0.0 51.1 76.7#



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

500

400

300

200

100

0

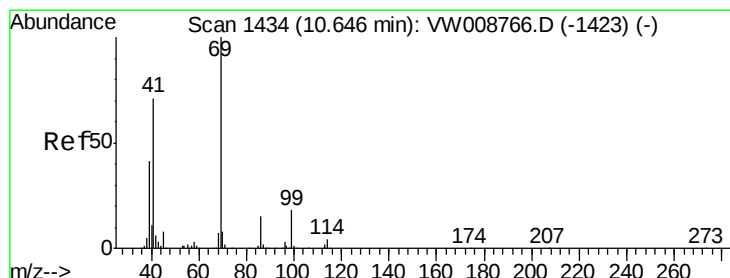
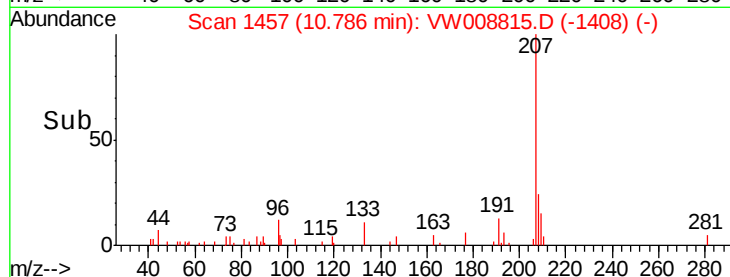
10.76

10.78

10.80

10.82

Time-->



#56

Ethyl methacrylate

Concen: 1.358 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

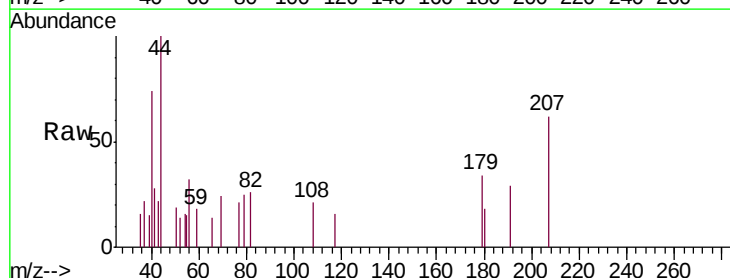
Tgt Ion: 69 Resp: 87

Ion Ratio Lower Upper

69 100

41 102.3 57.4 86.0#

39 273.6 34.8 52.2#



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

250

200

150

100

50

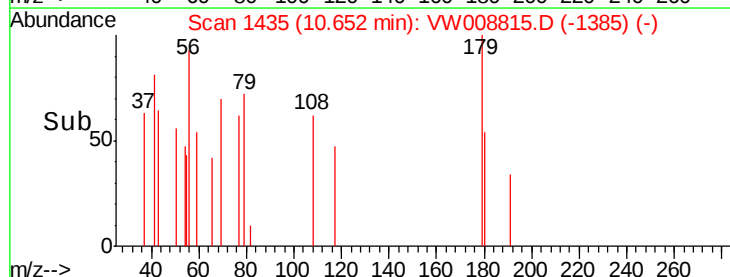
0

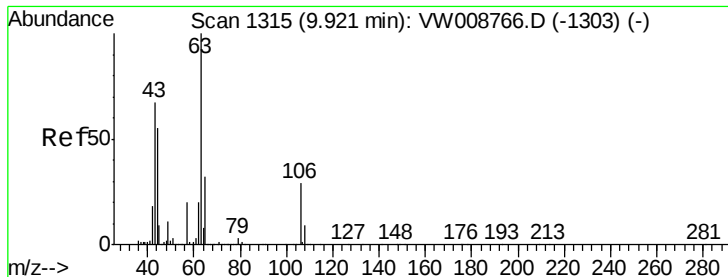
10.62

10.64

10.66

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 2.514 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

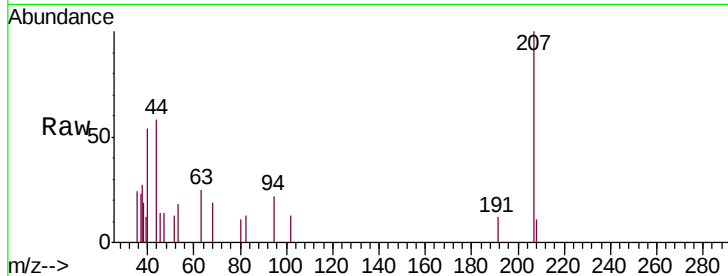
WV-BRE

Tgt Ion: 63 Resp: 81

Ion Ratio Lower Upper

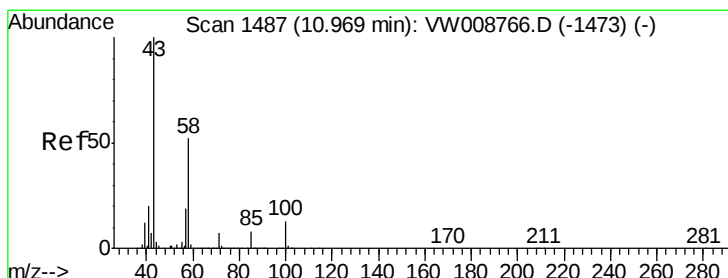
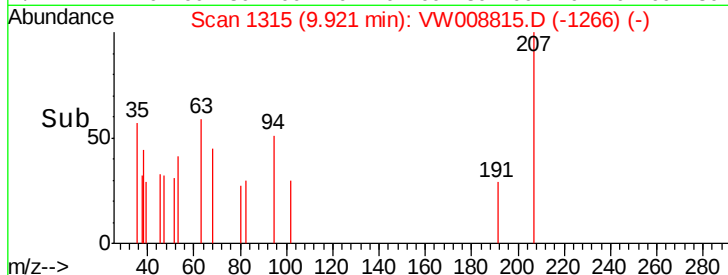
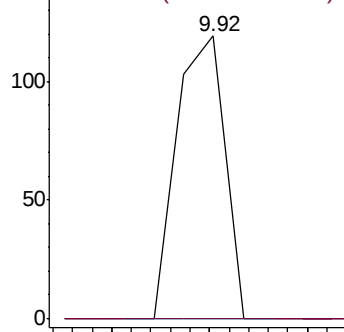
63 100

106 0.0 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW



#59

2-Hexanone

Concen: 5.138 ug/l

RT: 10.91 min Scan# 1478

Delta R.T. -0.05 min

Lab File: VW008815.D

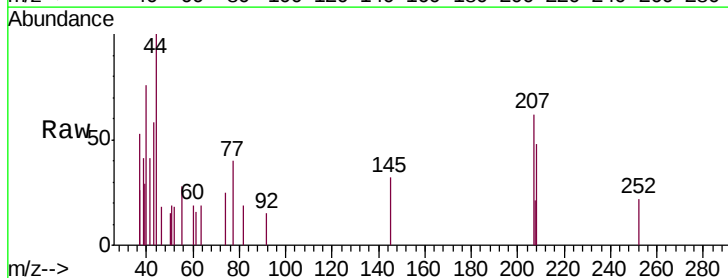
Acq: 25 Feb 2019 18:58

Tgt Ion: 43 Resp: 167

Ion Ratio Lower Upper

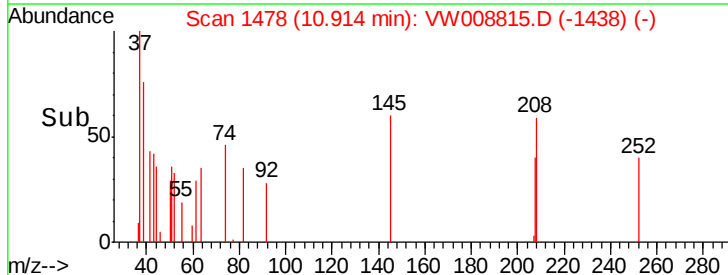
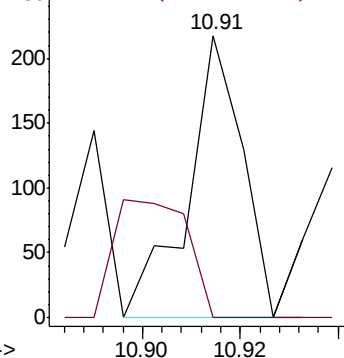
43 100

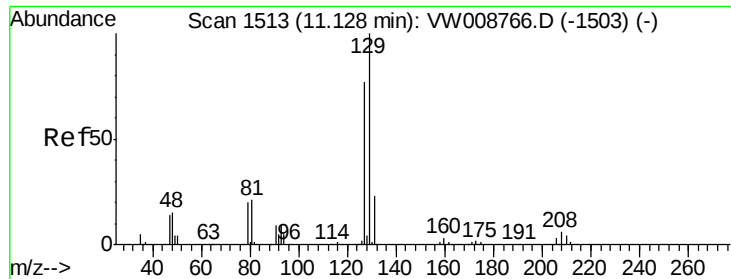
58 56.9 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#60

Dibromochloromethane

Concen: 1.263 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

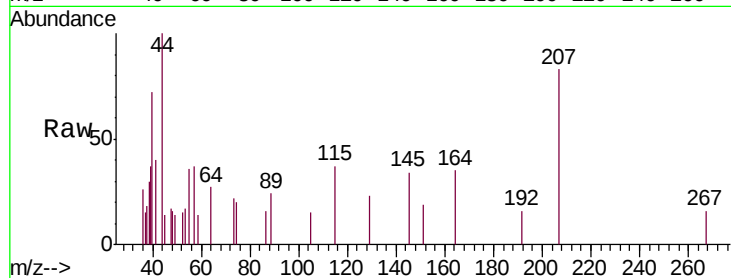
WV-BRE

Tgt Ion:129 Resp: 76

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

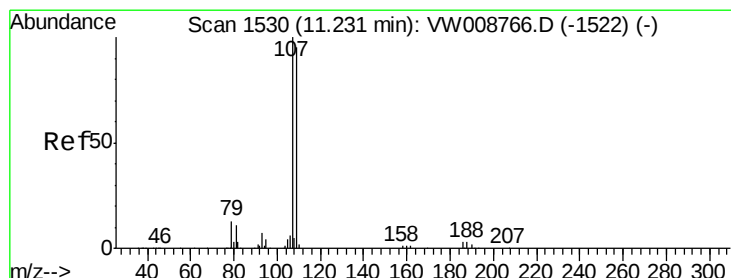
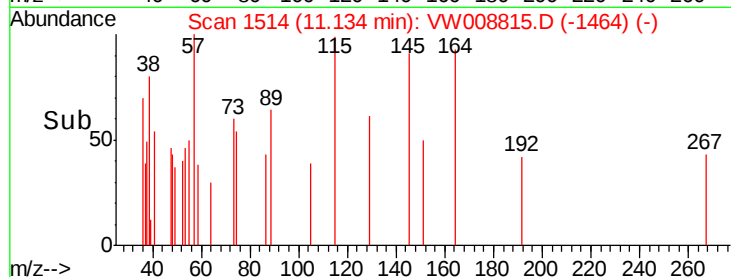


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

Time-->



#61

1,2-Dibromoethane

Concen: 1.229 ug/l

RT: 11.37 min Scan# 1553

Delta R.T. 0.14 min

Lab File: VW008815.D

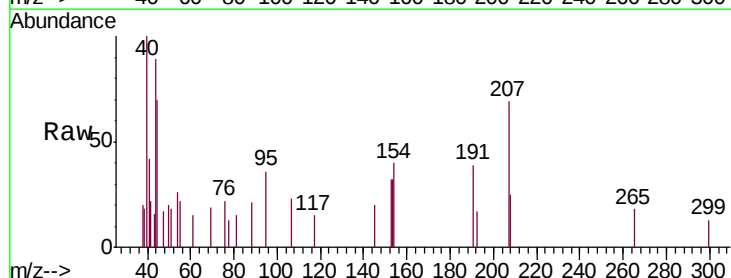
Acq: 25 Feb 2019 18:58

Tgt Ion:107 Resp: 60

Ion Ratio Lower Upper

107 100

109 91.7 75.6 113.4

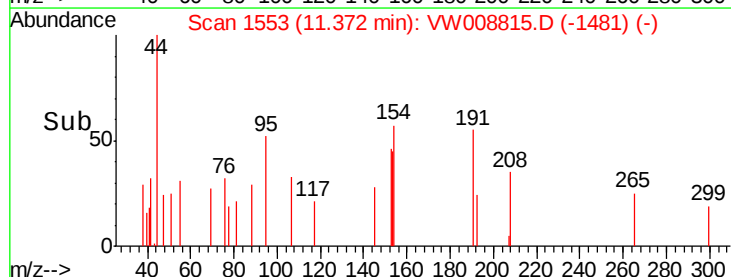


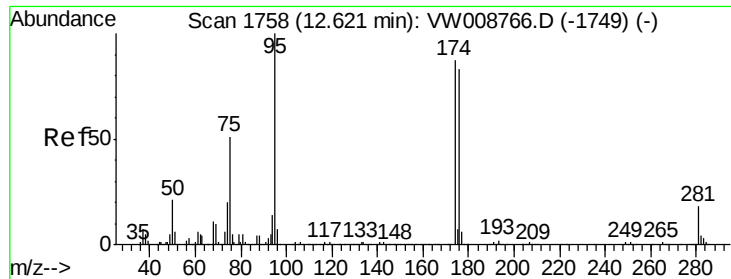
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.37

Time-->





#62

4-Bromofluorobenzene

Concen: 25.295 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

VV-BRE

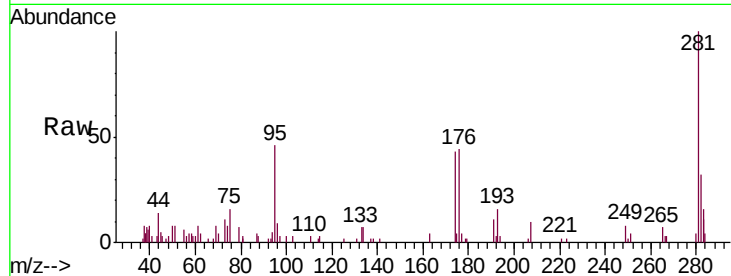
Tgt Ion: 95 Resp: 2285

Ion Ratio Lower Upper

95 100

174 90.6 0.0 169.2

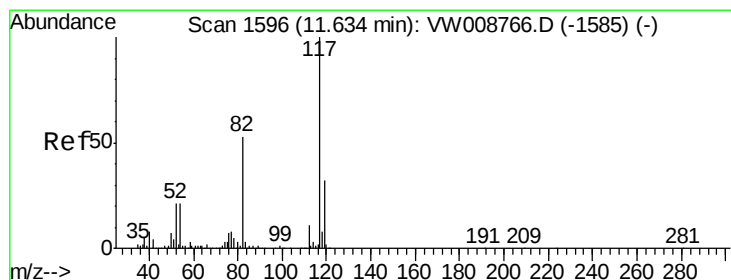
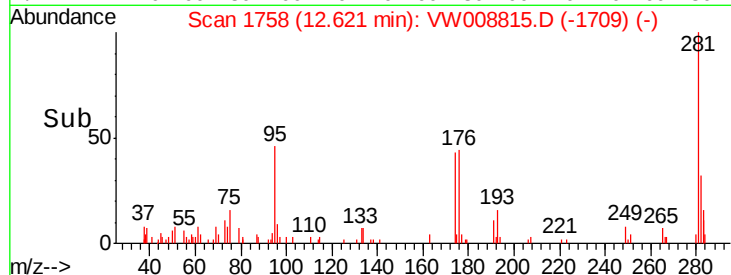
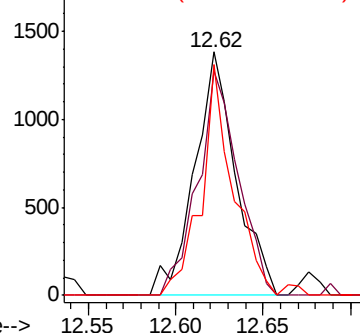
176 73.1 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

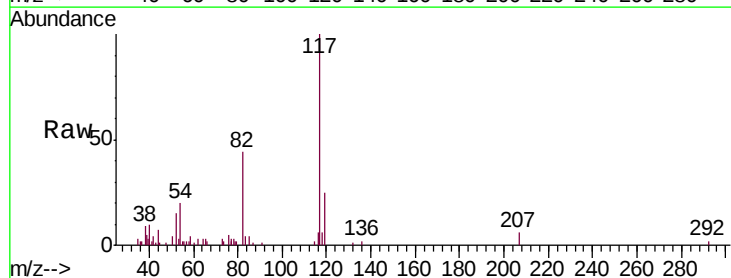
Tgt Ion: 117 Resp: 7191

Ion Ratio Lower Upper

117 100

82 44.4 42.2 63.4

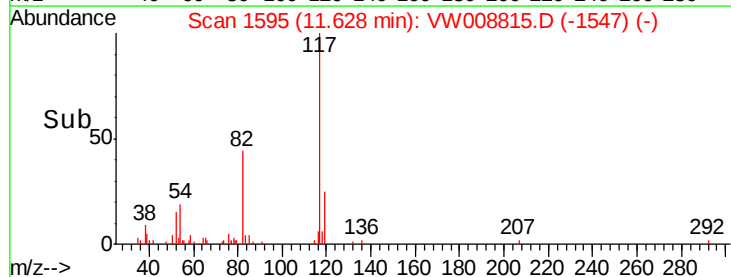
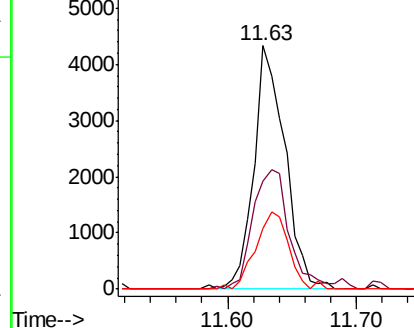
119 24.9 25.9 38.9#

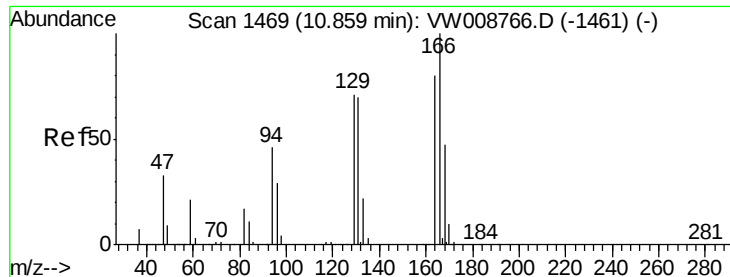


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.185 ug/l

RT: 10.80 min Scan# 1459

Delta R.T. -0.06 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

WV-BRE

Tgt Ion:164 Resp: 61

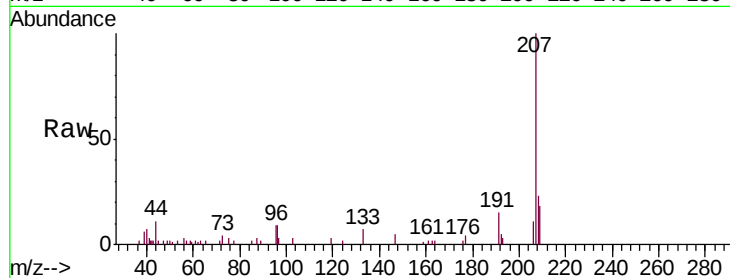
Ion Ratio Lower Upper

164 100

166 0.0 99.5 149.3#

129 0.0 71.1 106.7#

131 0.0 69.8 104.8#

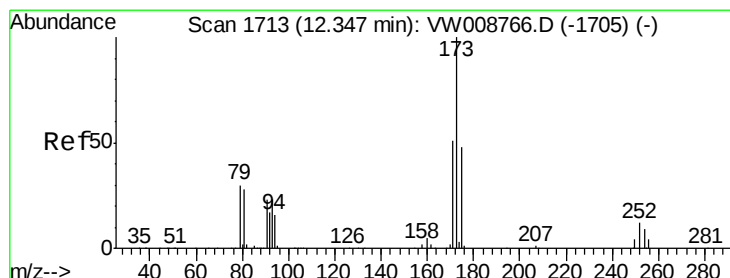
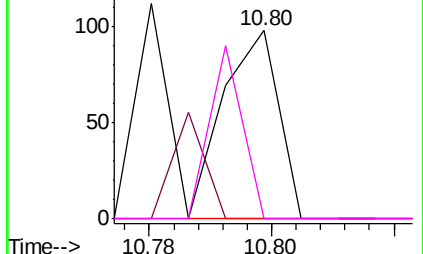
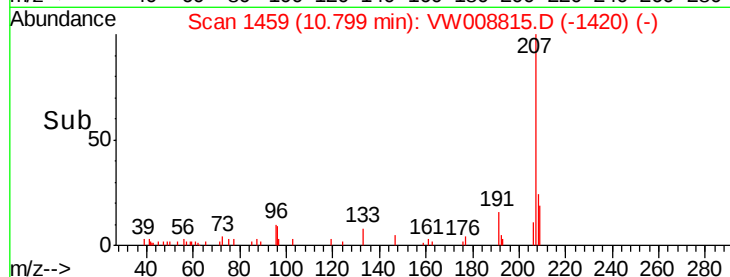


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 1.419 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.12 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

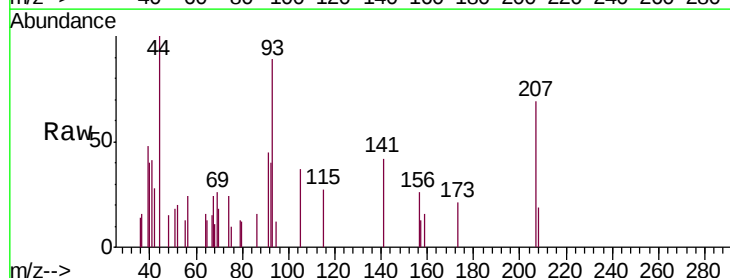
Tgt Ion:173 Resp: 39

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

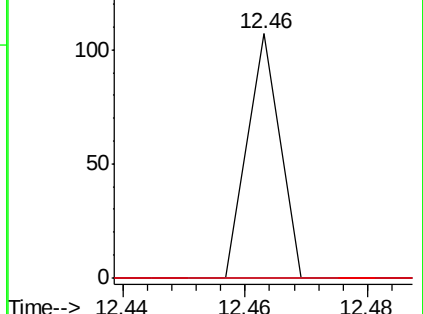
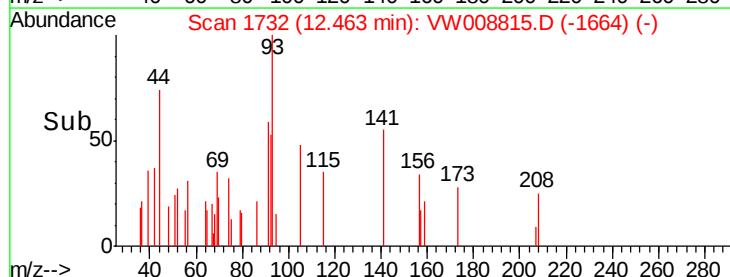
254 0.0 0.2 0.4#

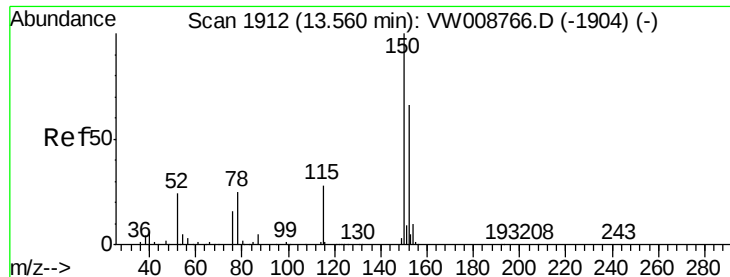


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



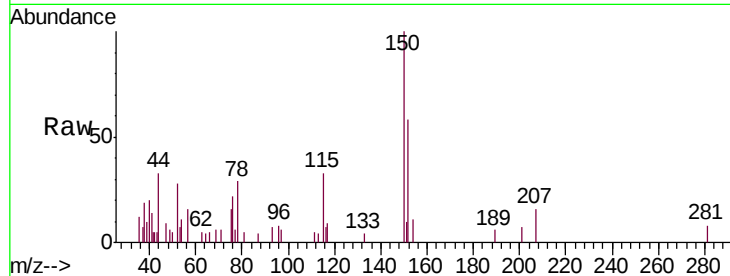


#72

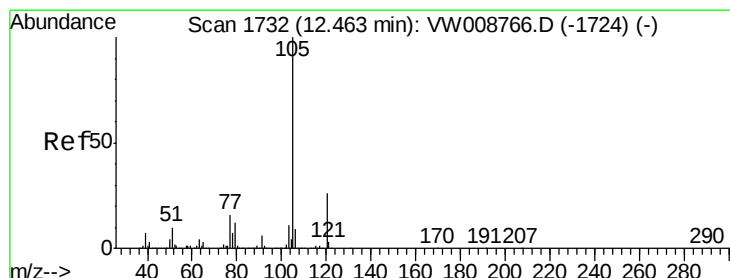
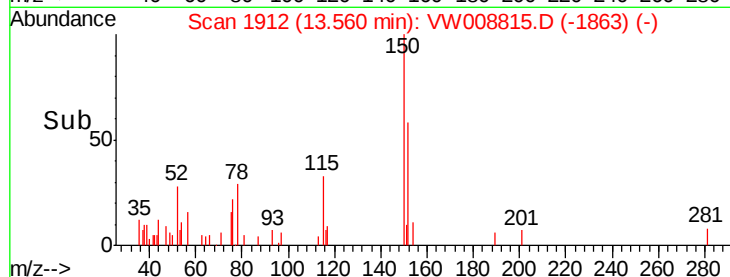
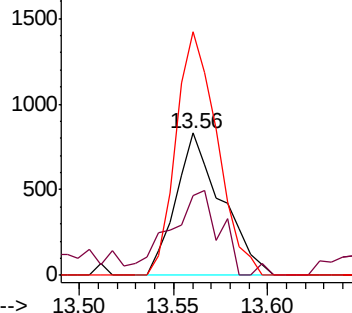
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
WV-BRE

Tgt Ion:152 Resp: 1402
Ion Ratio Lower Upper
152 100
115 64.4 28.6 85.8
150 153.4 0.0 348.0



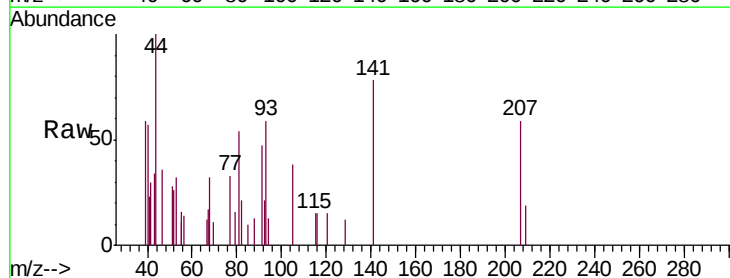
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



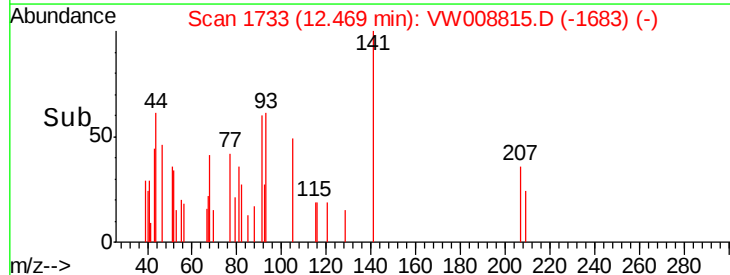
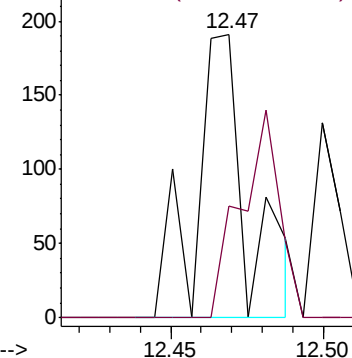
#73

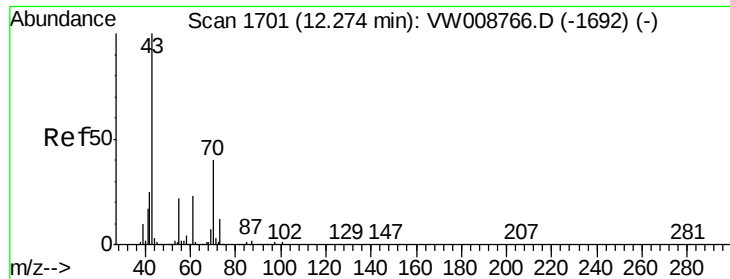
Isopropylbenzene
Concen: 2.341 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW008815.D
Acq: 25 Feb 2019 18:58

Tgt Ion:105 Resp: 225
Ion Ratio Lower Upper
105 100
120 55.1 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 4.172 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleID :

VV-BRE

Tgt Ion: 43 Resp: 101

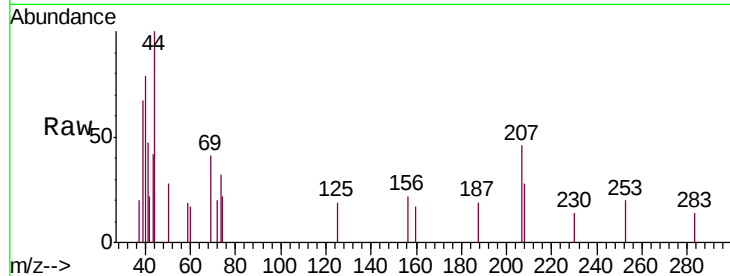
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.7 28.1#

61 0.0 18.1 27.1#

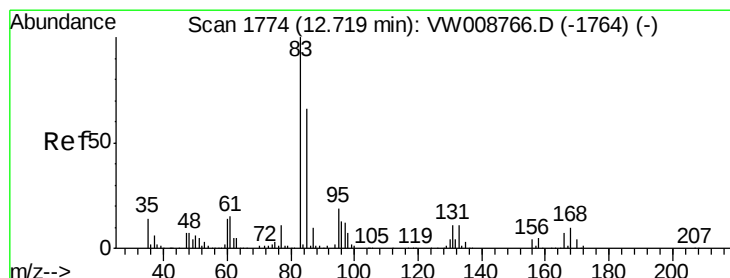
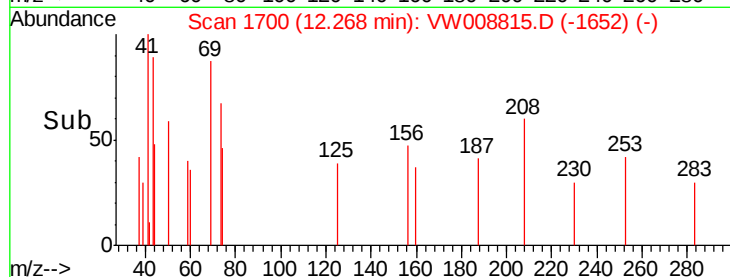
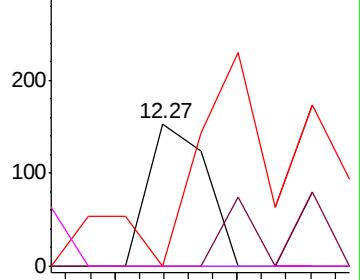


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 1.401 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.03 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

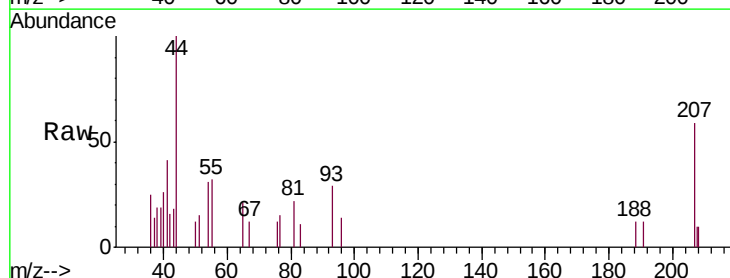
Tgt Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

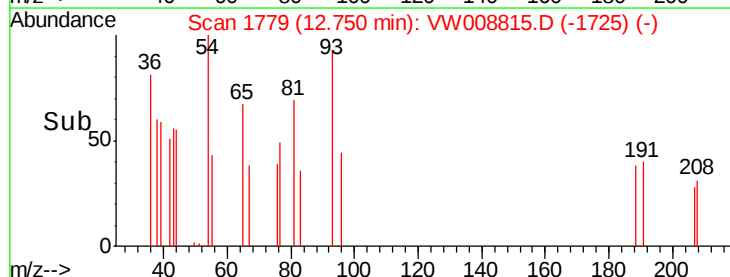
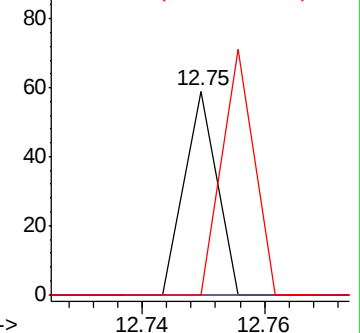
85 118.2 33.0 98.9#

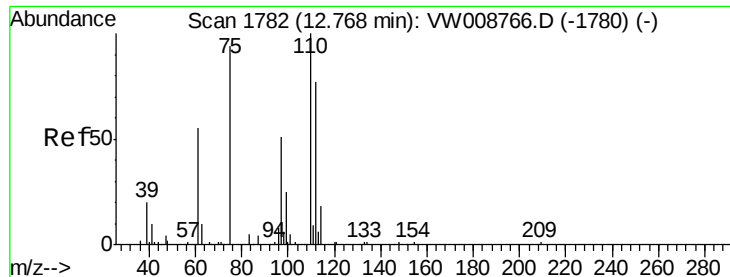


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 16.414 ug/l

RT: 12.82 min Scan# 1790

Delta R.T. 0.05 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

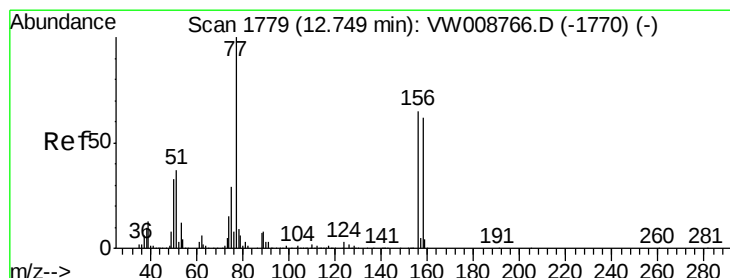
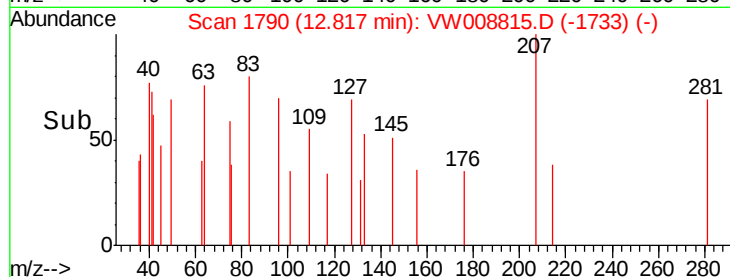
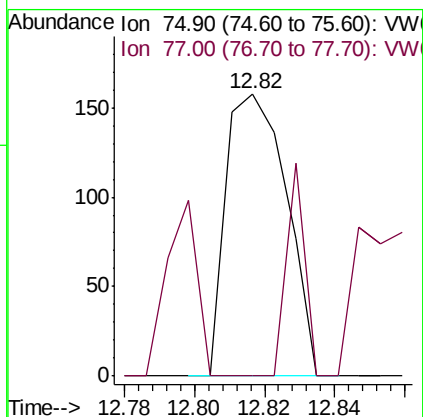
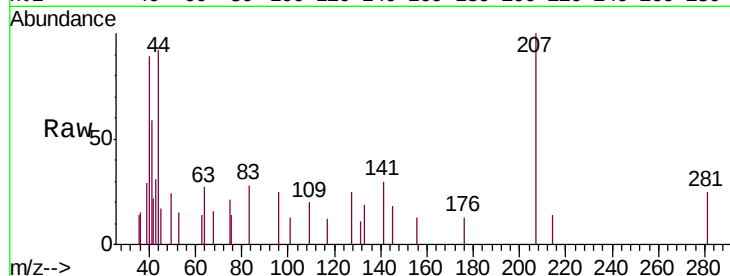
WV-BRE

Tgt Ion: 75 Resp: 190

Ion Ratio Lower Upper

75 100

77 23.2 0.0 0.0#



#77

Bromobenzene

Concen: 43.500 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.11 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

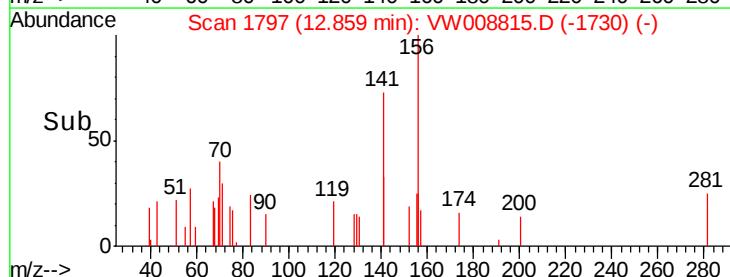
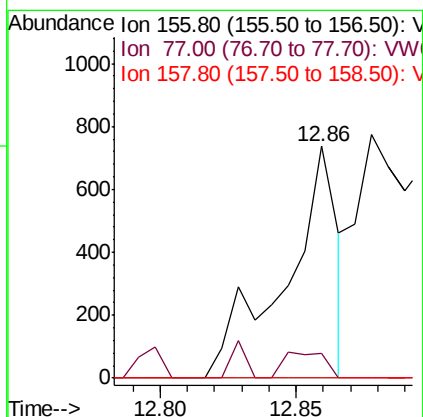
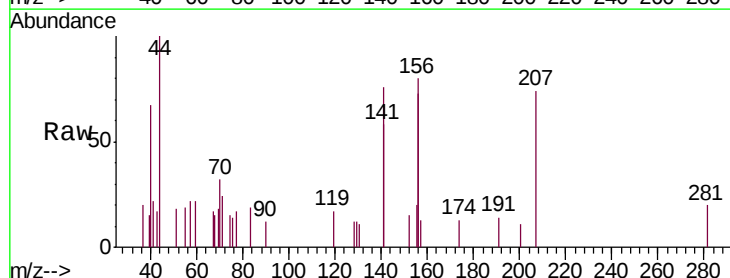
Tgt Ion: 156 Resp: 988

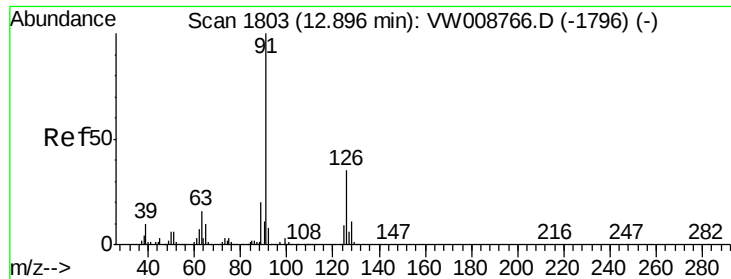
Ion Ratio Lower Upper

156 100

77 8.8 89.1 267.4#

158 0.0 49.2 147.6#

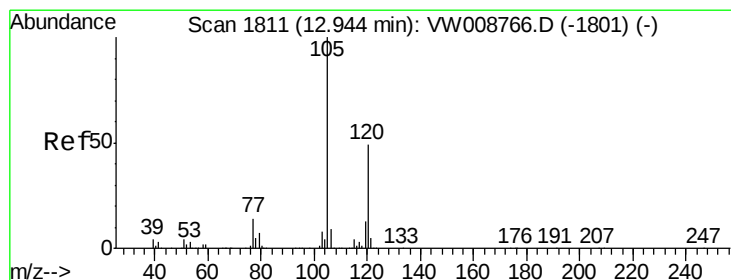
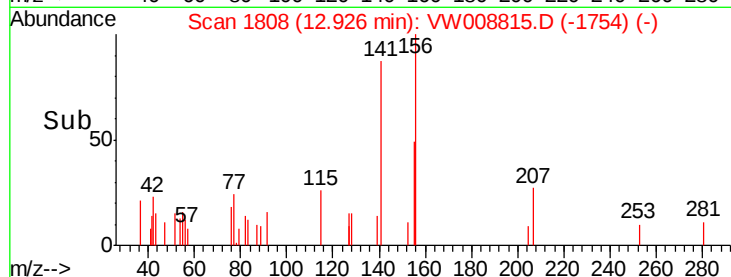
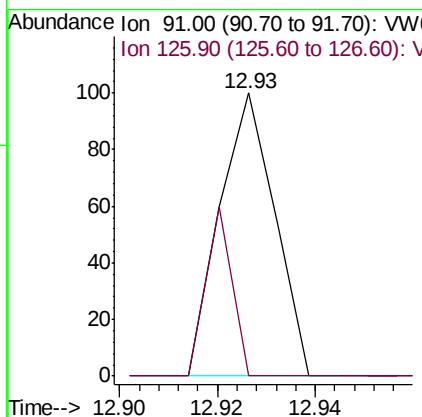
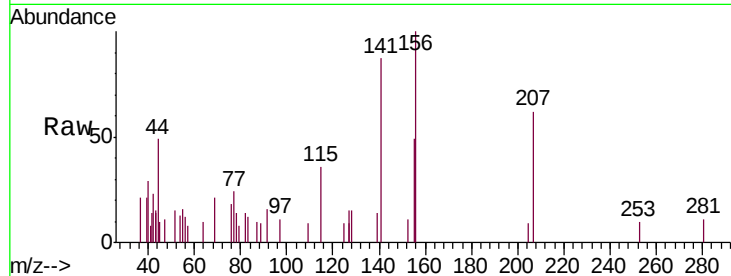




#79
 2-Chlorotoluene
 Concen: 1.169 ug/l
 RT: 12.93 min Scan# 1808
 Delta R.T. 0.03 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

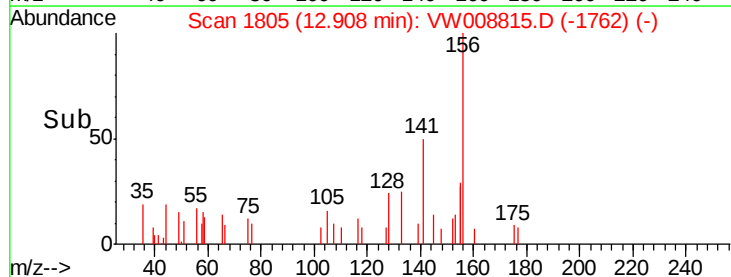
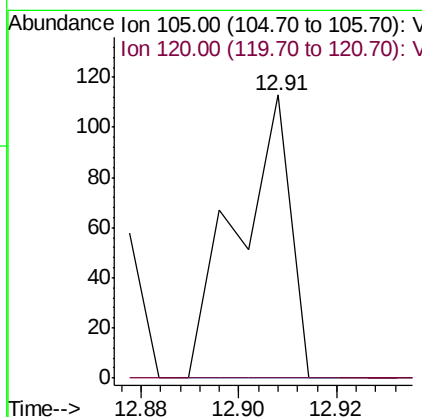
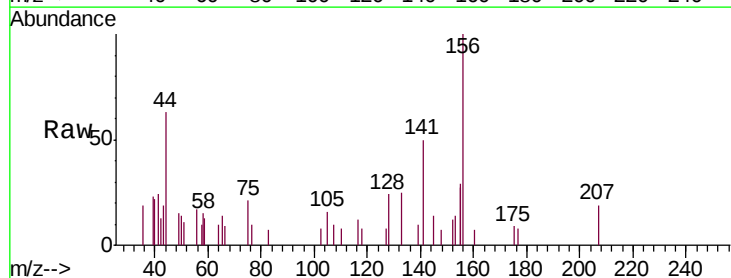
Instrument :
 MSVOA_W
 ClientSampleId :
 WV-BRE

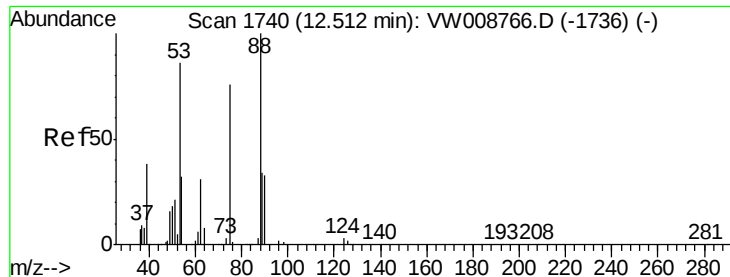
Tgt Ion: 91 Resp: 78
 Ion Ratio Lower Upper
 91 100
 126 28.2 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.006 ug/l
 RT: 12.91 min Scan# 1805
 Delta R.T. -0.04 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

Tgt Ion: 105 Resp: 84
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.8 74.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 7.771 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

WV-BRE

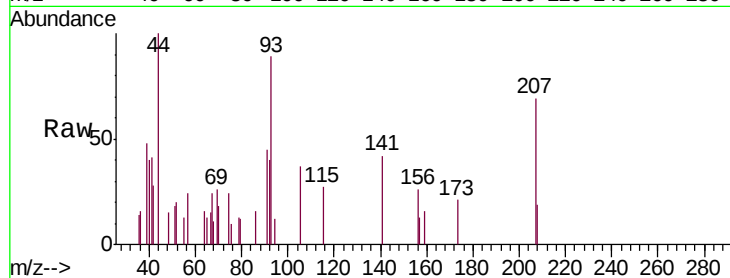
Tgt Ion: 75 Resp: 37

Ion Ratio Lower Upper

75 100

53 548.6 88.2 132.2#

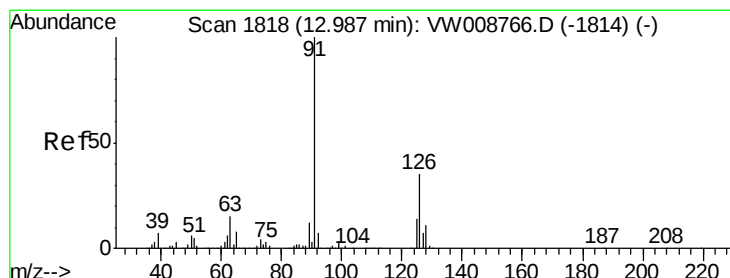
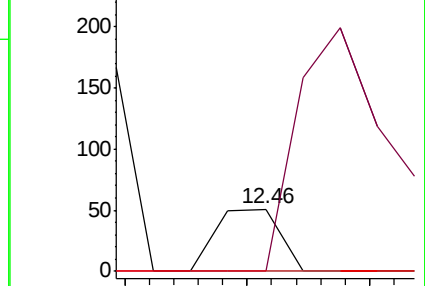
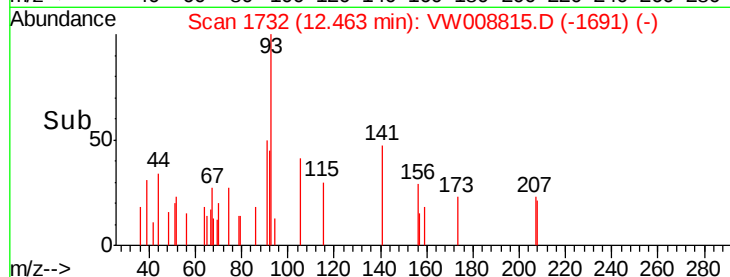
89 0.0 39.5 59.3#



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



#82

4-Chlorotoluene

Concen: 1.308 ug/l

RT: 12.98 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VW008815.D

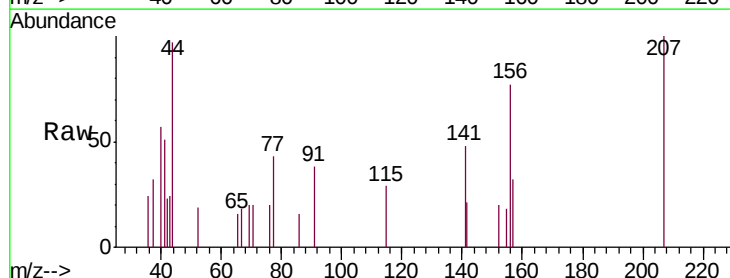
Acq: 25 Feb 2019 18:58

Tgt Ion: 91 Resp: 92

Ion Ratio Lower Upper

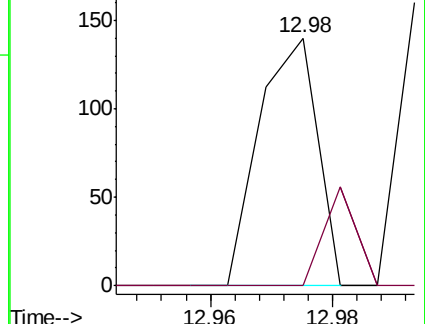
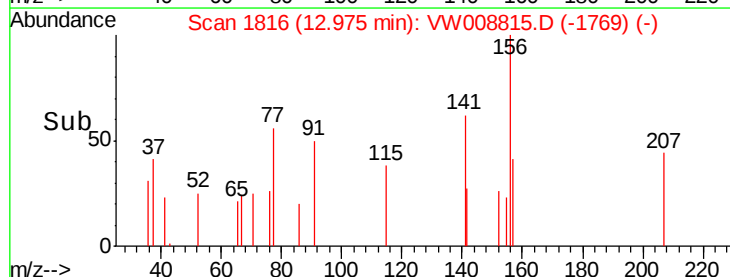
91 100

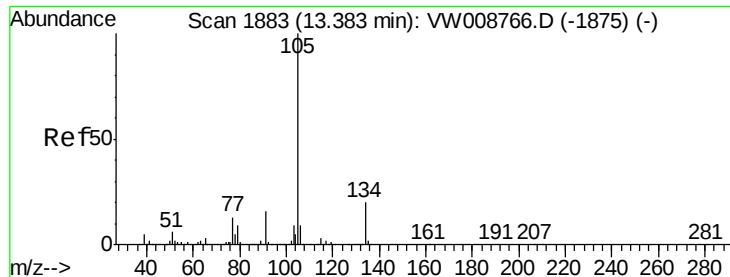
126 21.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

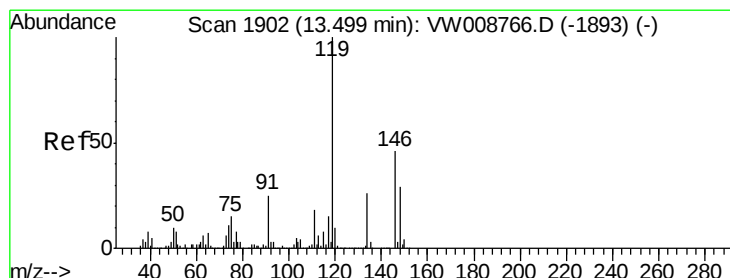
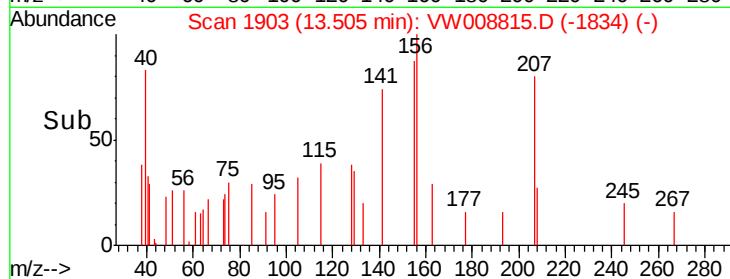
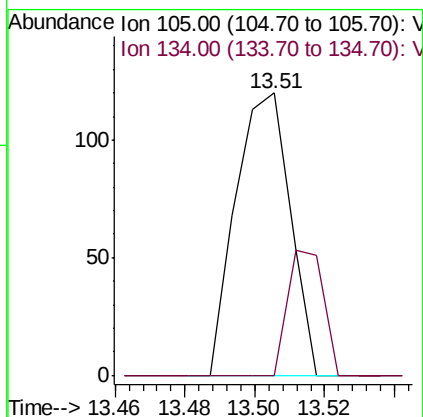
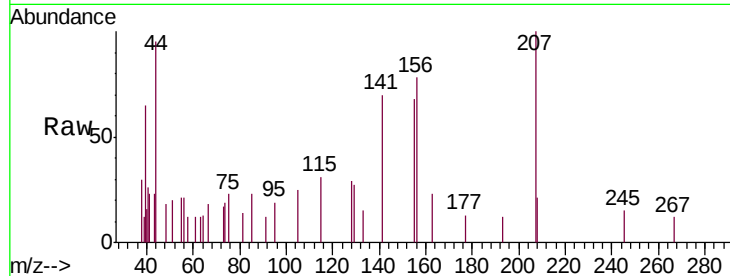




#85
 sec-Butylbenzene
 Concen: 1.252 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.12 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

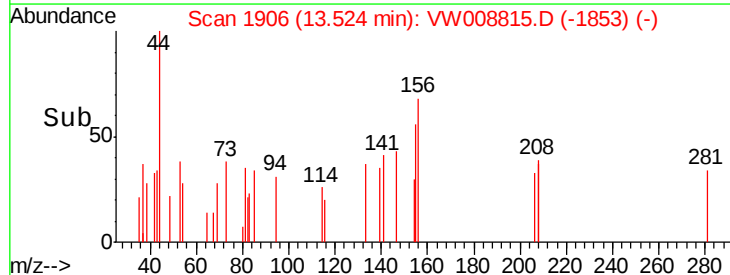
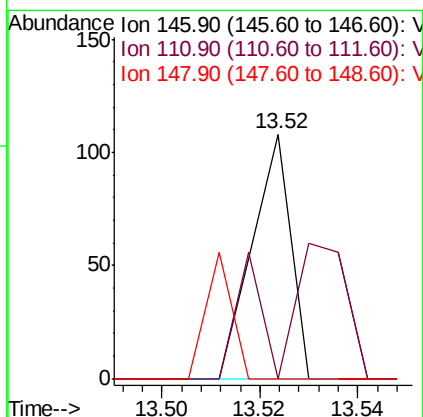
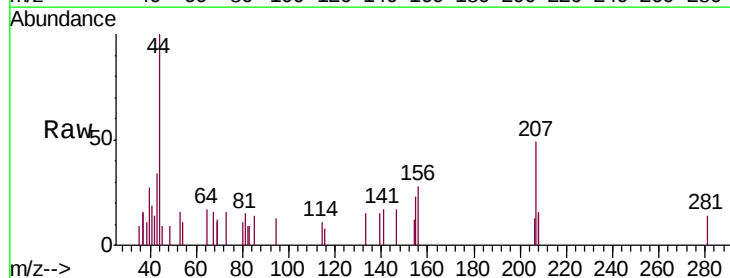
Instrument :
 MSVOA_W
 ClientSampled :
 WV-BRE

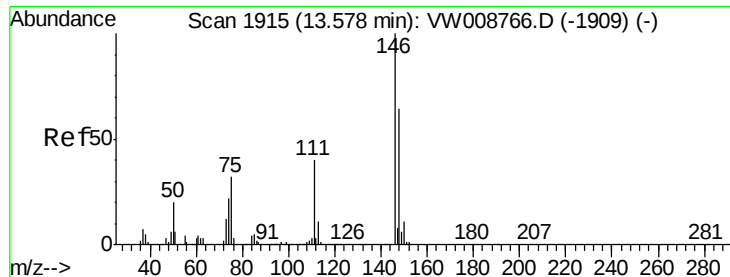
Tgt Ion:105 Resp: 130
 Ion Ratio Lower Upper
 105 100
 134 29.2 10.4 31.1



#87
 1,3-Dichlorobenzene
 Concen: 1.252 ug/l
 RT: 13.52 min Scan# 1906
 Delta R.T. 0.02 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

Tgt Ion:146 Resp: 59
 Ion Ratio Lower Upper
 146 100
 111 106.8 19.9 59.7#
 148 33.9 31.6 94.8

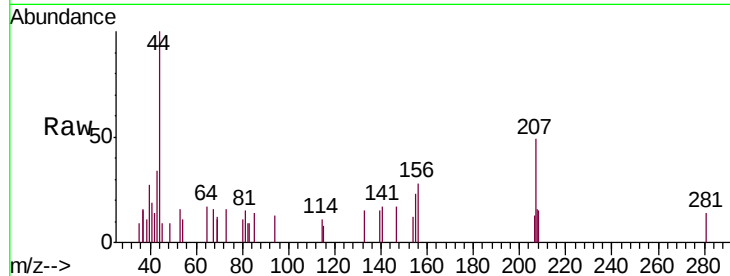




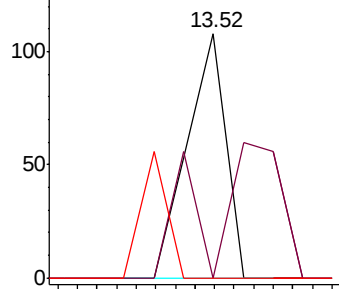
#88
 1,4-Dichlorobenzene
 Concen: 1.270 ug/l
 RT: 13.52 min Scan# 1906
 Delta R.T. -0.05 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 WV-BRE

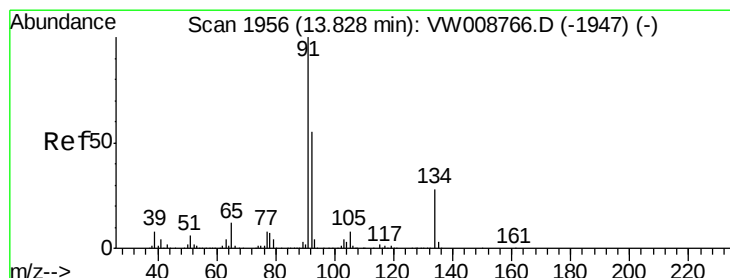
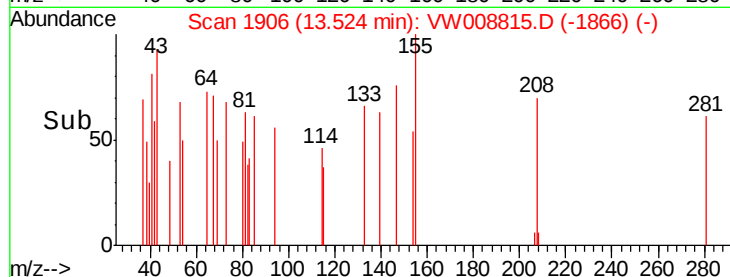
Tgt Ion: 146 Resp: 59
 Ion Ratio Lower Upper
 146 100
 111 106.8 19.3 57.9#
 148 33.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

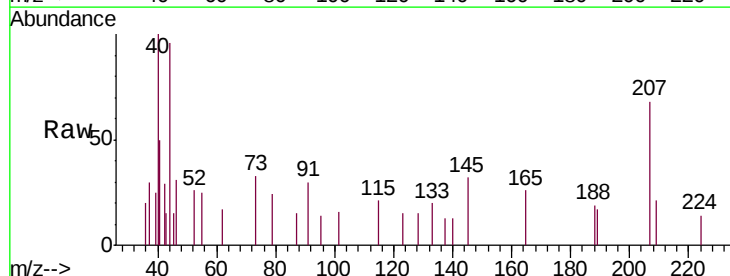


Time-->

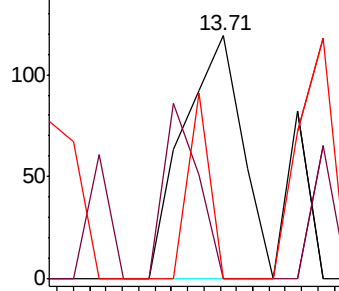


#89
 n-Butylbenzene
 Concen: 1.345 ug/l
 RT: 13.71 min Scan# 1937
 Delta R.T. -0.12 min
 Lab File: VW008815.D
 Acq: 25 Feb 2019 18:58

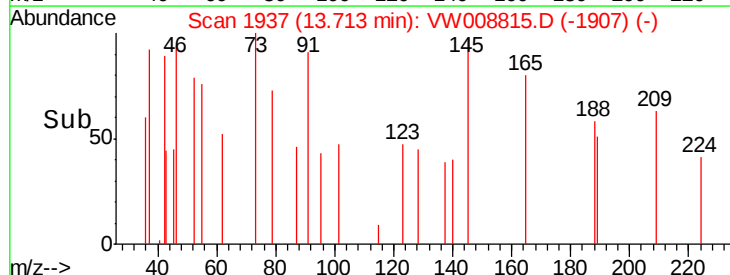
Tgt Ion: 91 Resp: 120
 Ion Ratio Lower Upper
 91 100
 92 41.7 26.8 80.4
 134 27.5 13.5 40.4

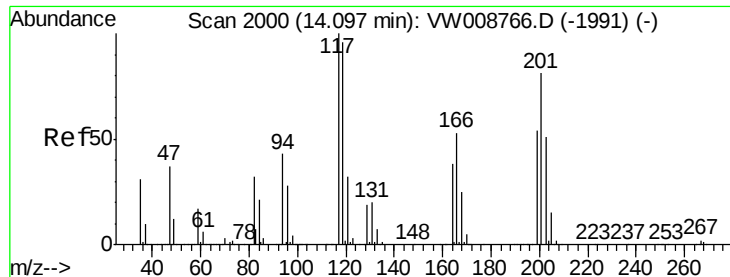


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 92.00 (91.70 to 92.70): VW
 Ion 134.00 (133.70 to 134.70): V



Time-->





#90

Hexachloroethane

Concen: 5.326 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

Instrument :

MSVOA_W

ClientSampled :

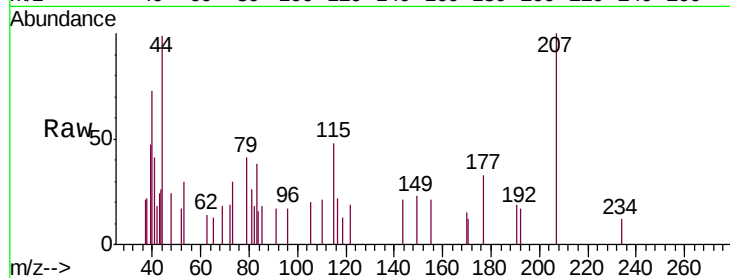
WV-BRE

Tgt Ion: 117 Resp: 83

Ion Ratio Lower Upper

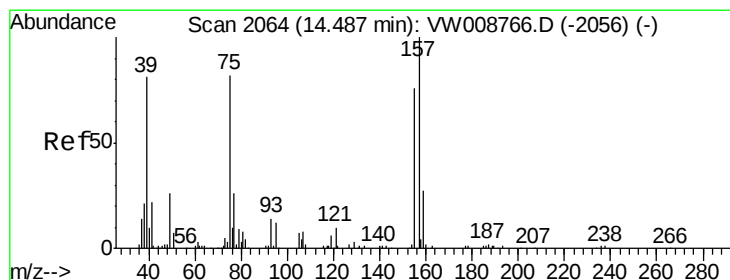
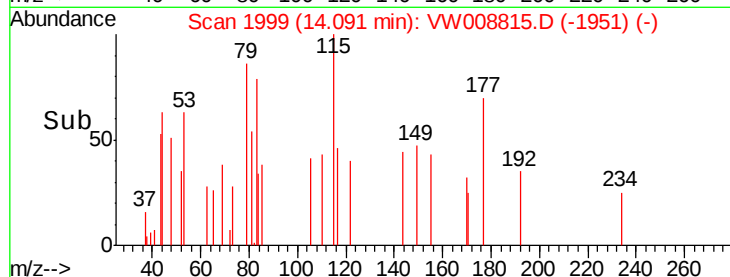
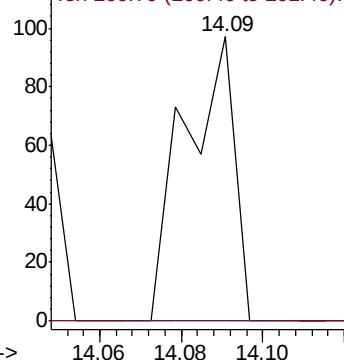
117 100

201 0.0 40.3 120.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 31.329 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW008815.D

Acq: 25 Feb 2019 18:58

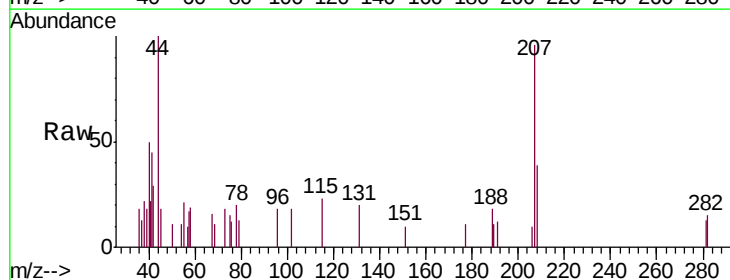
Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

155 21.3 41.8 125.4#

157 0.0 56.6 169.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

