

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007512.D
 Acq On : 14 Dec 2018 03:42
 Operator : SY/AP
 Sample : J6340-06RE
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04BRE

Quant Time: Dec 14 04:32:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	45021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	12028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18080	59.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.08%	
35) Dibromofluoromethane	7.88	113	16993	62.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.70%	
50) Toluene-d8	10.32	98	22100	21.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.26%	
62) 4-Bromofluorobenzene	12.62	95	1811	4.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.64%	

Target Compounds

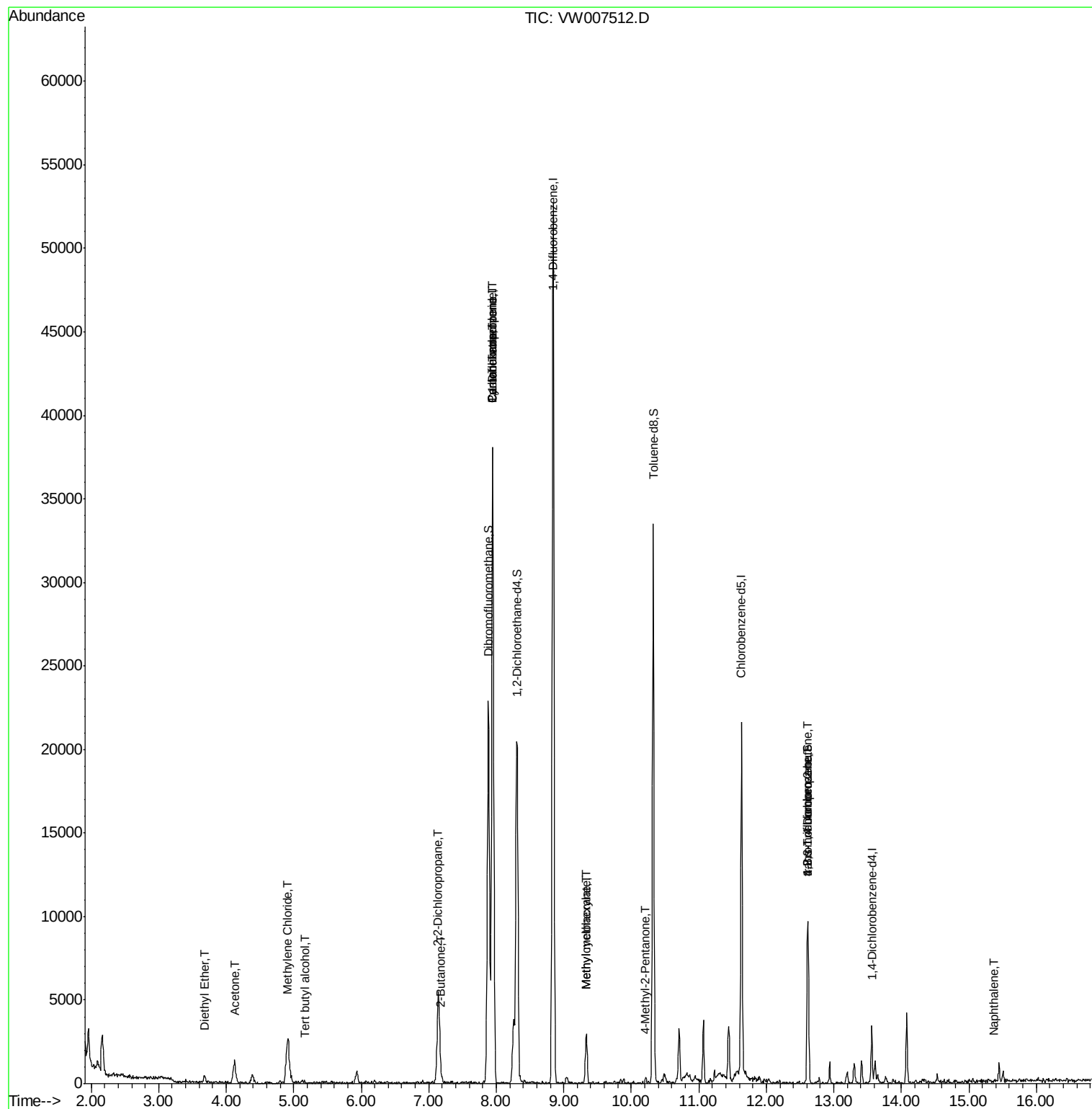
					Qvalue	
8) Diethyl Ether	3.68	74	154	1.164	ug/l	74
11) Tert butyl alcohol	5.17	59	40	1.918	ug/l #	74
16) Acetone	4.13	43	2351	44.323	ug/l #	84
20) Methylene Chloride	4.91	84	2339	4.498	ug/l	92
25) 2-Butanone	7.18	43	111	1.603	ug/l #	45
26) 2,2-Dichloropropane	7.14	77	359	1.055	ug/l #	52
31) Cyclohexane	7.95	56	1121	2.376	ug/l #	58
36) 1,1-Dichloropropene	7.95	75	2149	5.233	ug/l #	50
38) Carbon Tetrachloride	7.95	117	2912	6.516	ug/l #	18
39) Methylcyclohexane	9.33	83	1216	2.445	ug/l #	82
48) Methyl methacrylate	9.34	41	555	3.581	ug/l #	67
51) 4-Methyl-2-Pentanone	10.21	43	371	2.602	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	893	100.189	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	893	221.318	ug/l #	7
95) Naphthalene	15.38	128	57	1.321	ug/l #	70

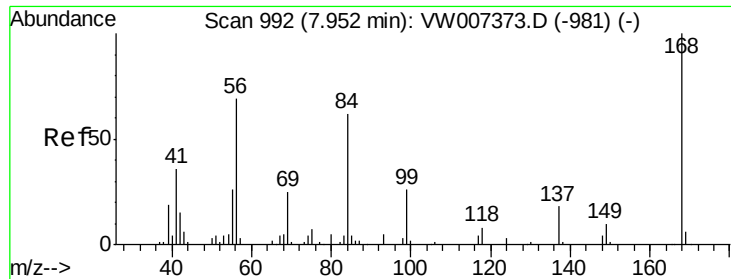
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

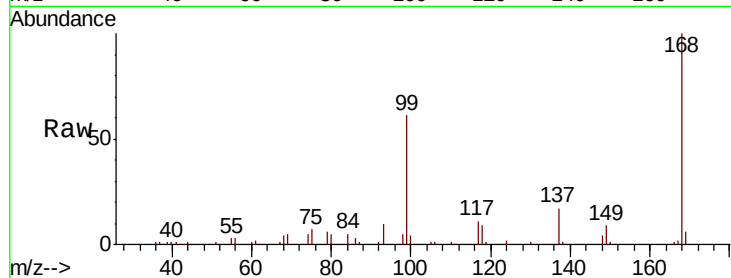
SB-04BRE

Tot Ion:168 Resp: 27372

Ion Ratio Lower Upper

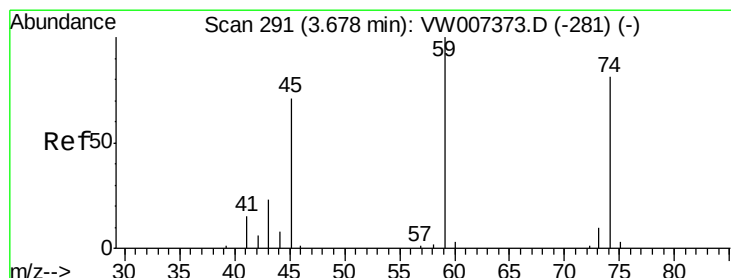
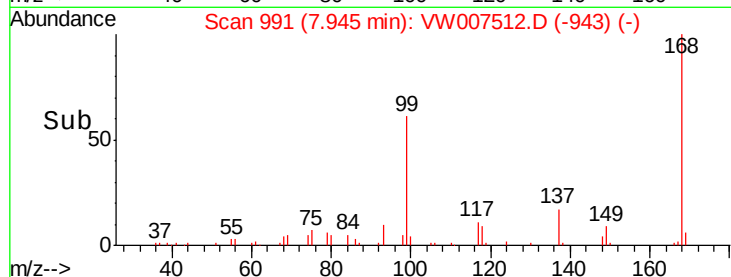
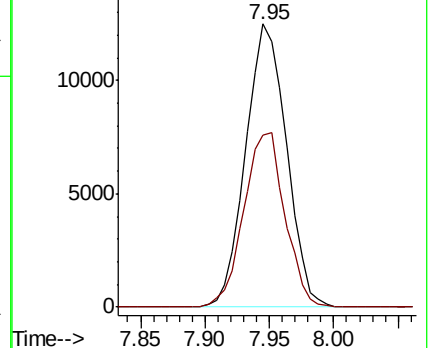
168 100

99 60.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.164 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007512.D

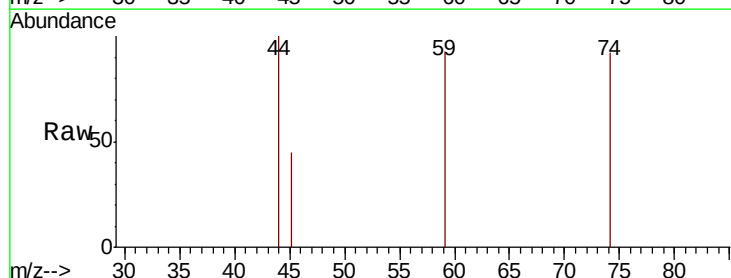
Acq: 14 Dec 2018 03:42

Tgt Ion: 74 Resp: 154

Ion Ratio Lower Upper

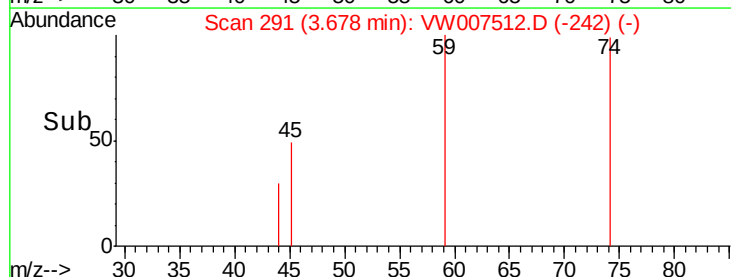
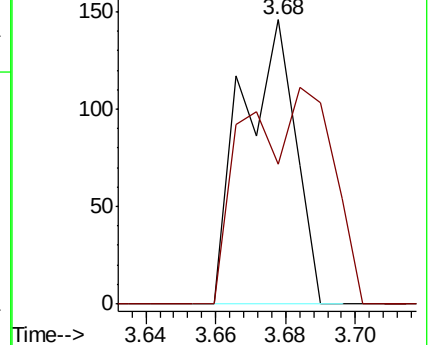
74 100

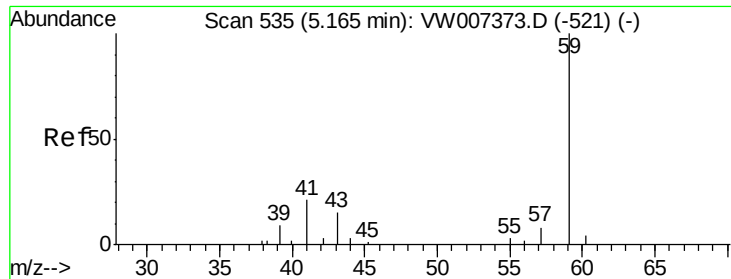
45 62.3 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

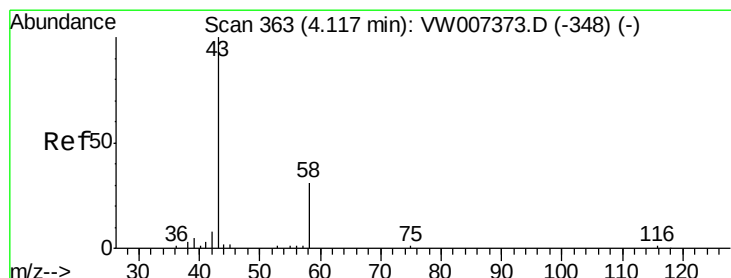
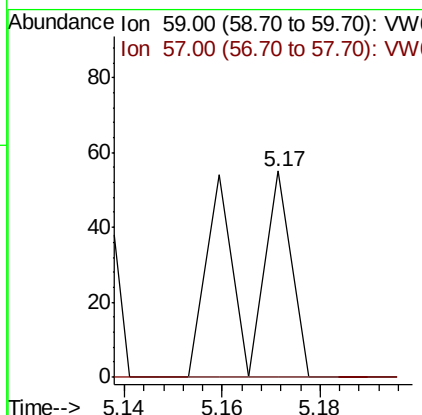
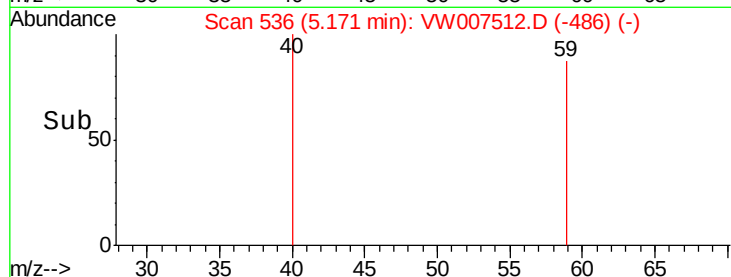
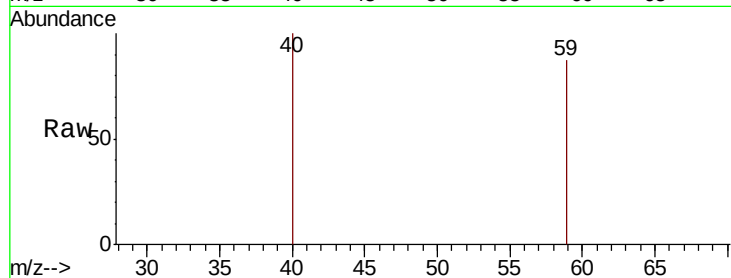




#11
Tert butyl alcohol
Concen: 1.918 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

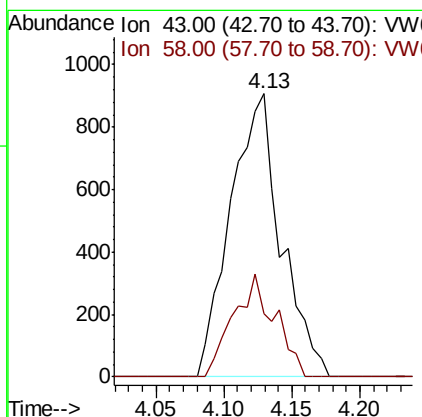
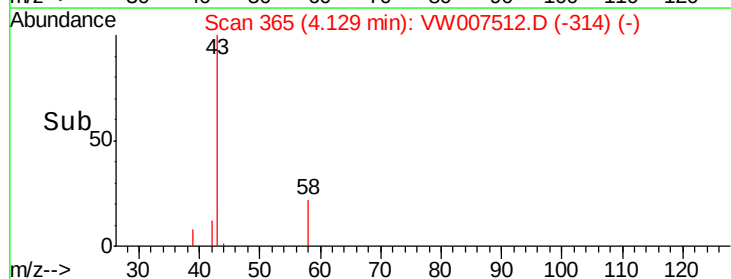
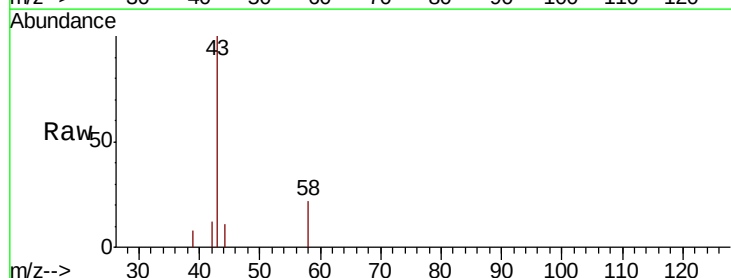
Instrument :
MSVOA_W
ClientSampled :
SB-04BRE

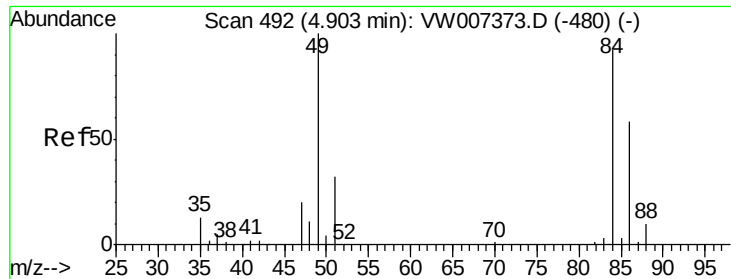
Tot Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



#16
Acetone
Concen: 44.323 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
58 22.3 24.9 37.3#

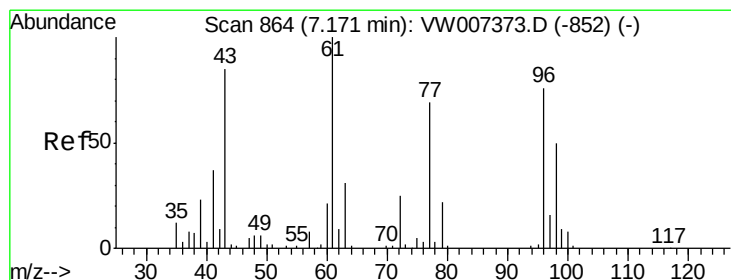
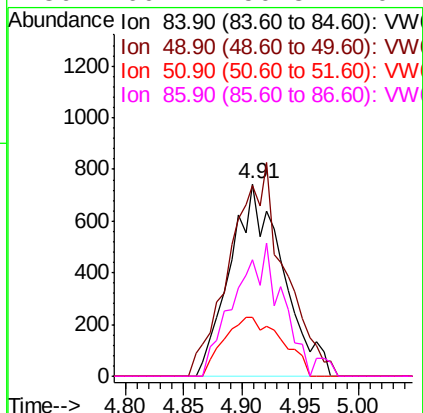
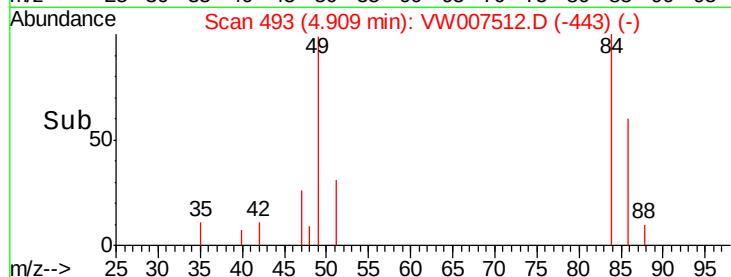
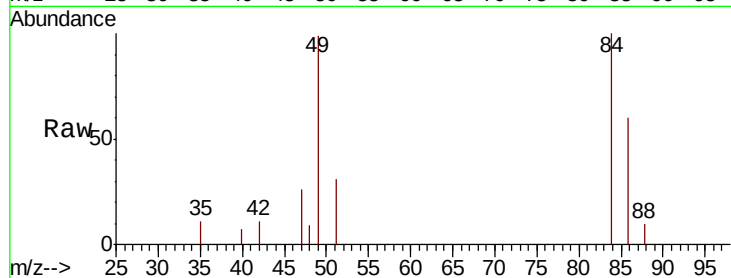




#20
Methylene Chloride
Concen: 4.498 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

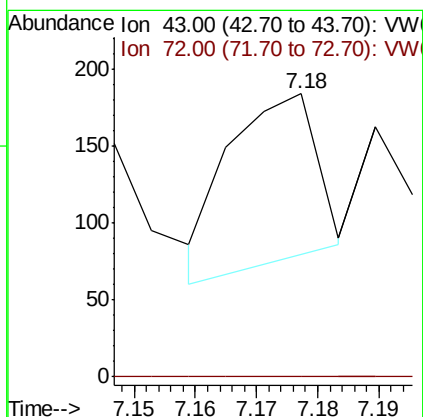
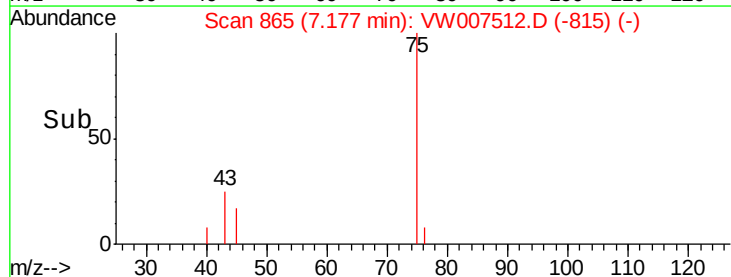
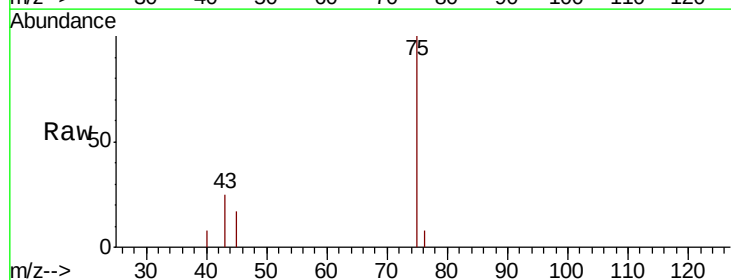
Instrument :
MSVOA_W
ClientSampleId :
SB-04BRE

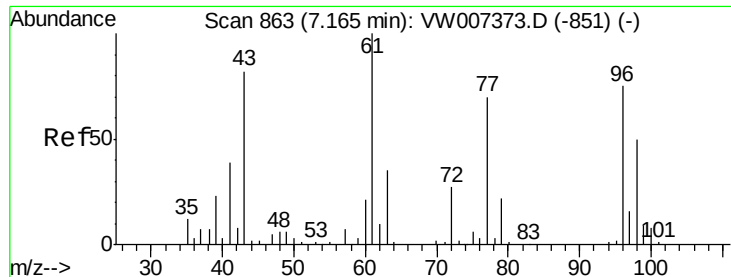
Tot Ion:	84	Resp:	2339
Ion	Ratio	Lower	Upper
84	100		
49	98.8	87.1	130.7
51	30.9	28.2	42.2
86	60.4	50.8	76.2



#25
2-Butanone
Concen: 1.603 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

Tgt Ion:	43	Resp:	111
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.4	35.2#





#26

2,2-Dichloropropane

Concen: 1.055 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

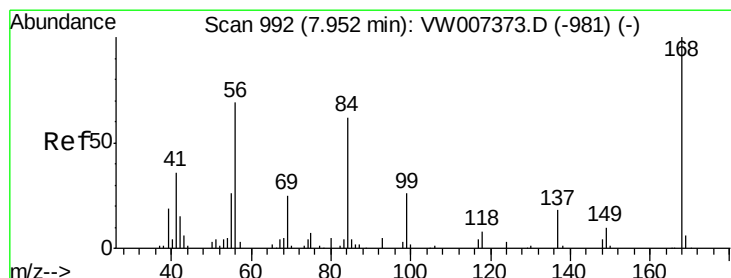
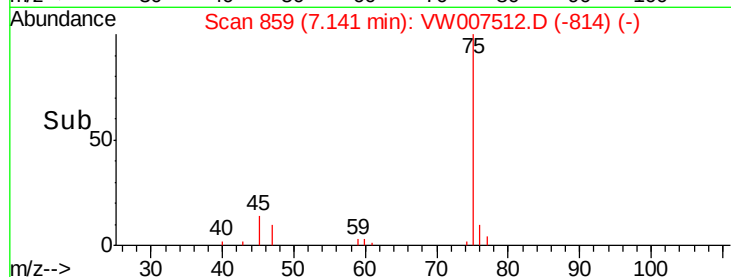
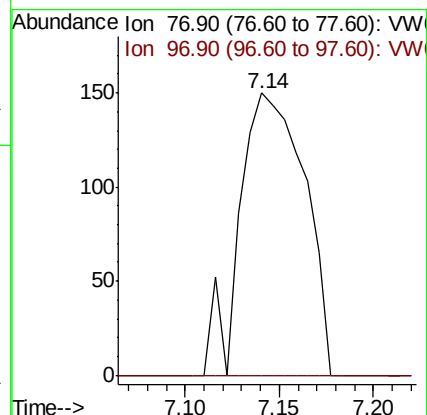
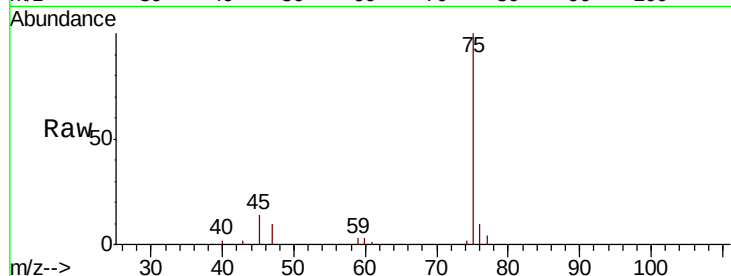
SB-04BRE

Tot Ion: 77 Resp: 359

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 2.376 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

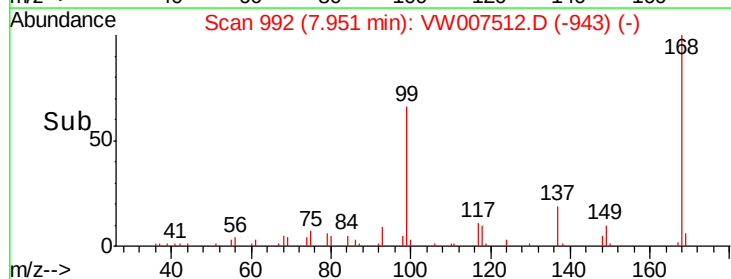
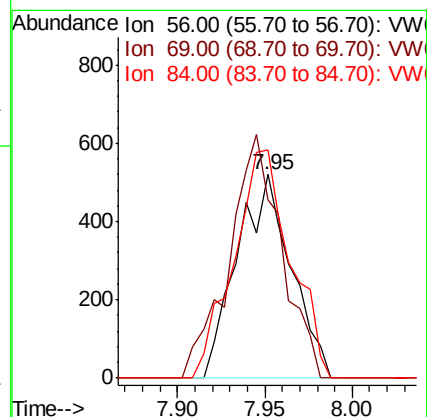
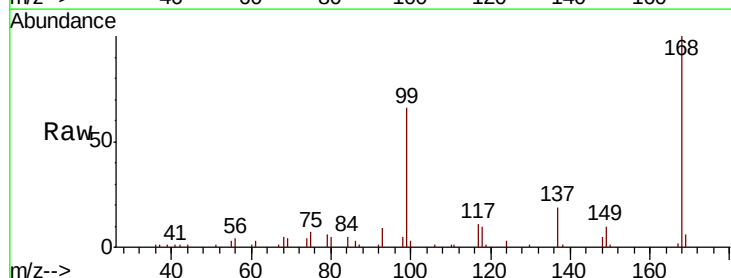
Tgt Ion: 56 Resp: 1121

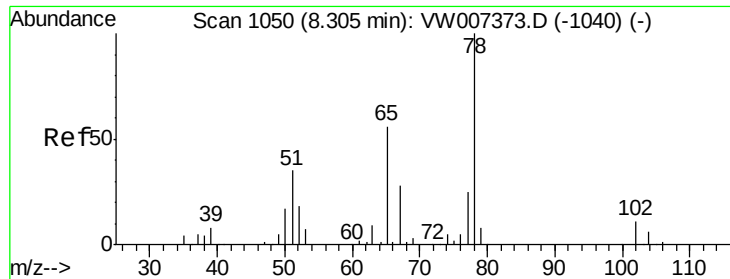
Ion Ratio Lower Upper

56 100

69 87.7 28.9 43.3#

84 112.1 71.8 107.6#

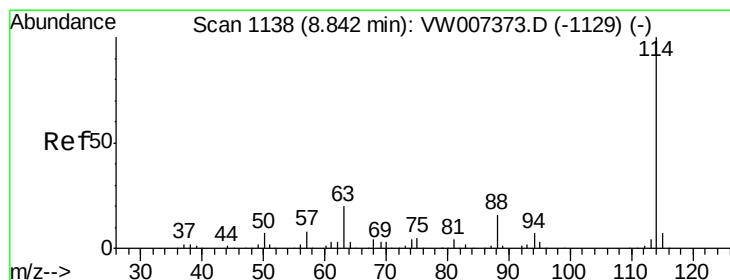
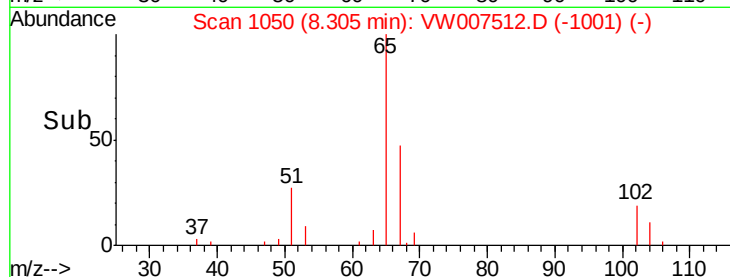
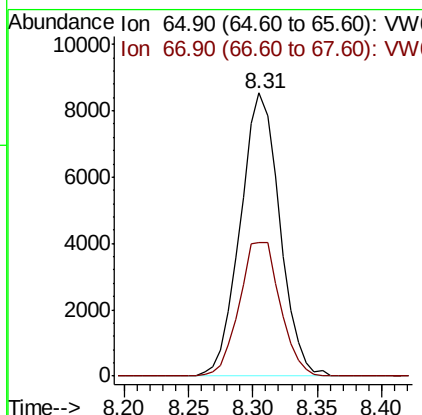
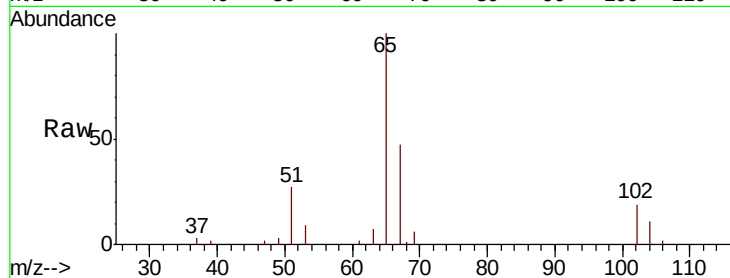




#33
 1,2-Dichloroethane-d4
 Concen: 59.538 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007512.D
 Acq: 14 Dec 2018 03:42

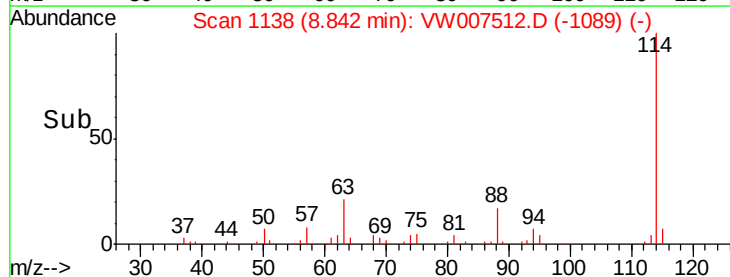
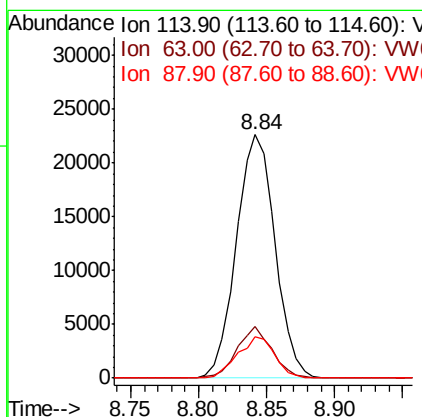
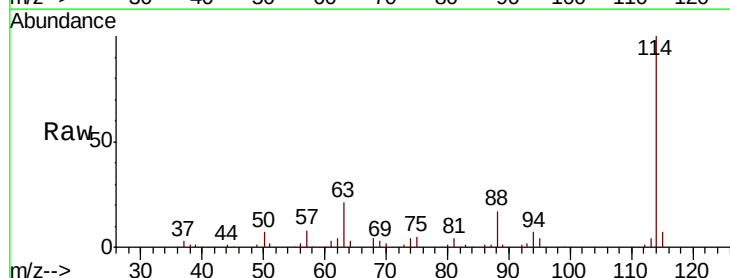
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04BRE

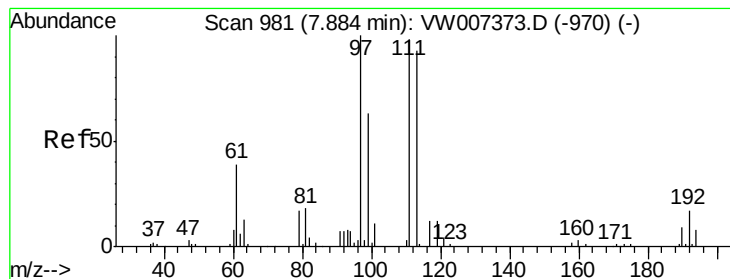
Tot Ion: 65 Resp: 18080
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007512.D
 Acq: 14 Dec 2018 03:42

Tgt Ion: 114 Resp: 45021
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.6
 88 17.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 62.353 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

SB-04BRE

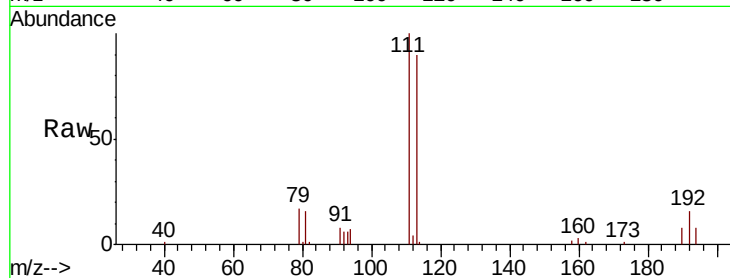
Tot Ion:113 Resp: 16993

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

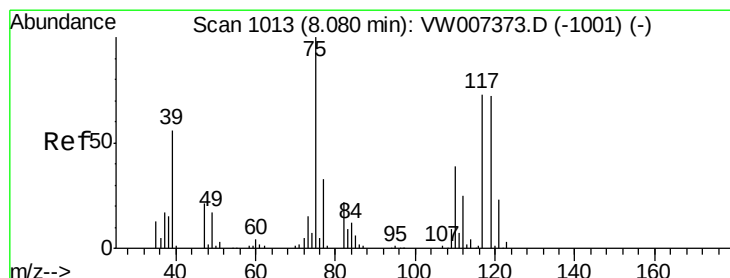
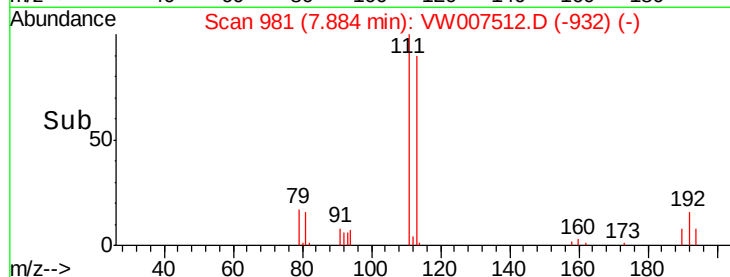
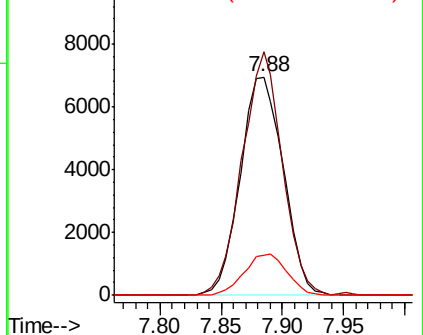
192 18.8 14.6 21.8



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: 5.233 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

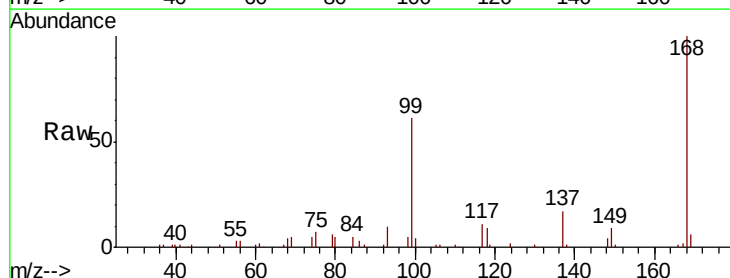
Tgt Ion: 75 Resp: 2149

Ion Ratio Lower Upper

75 100

110 10.8 18.5 55.5#

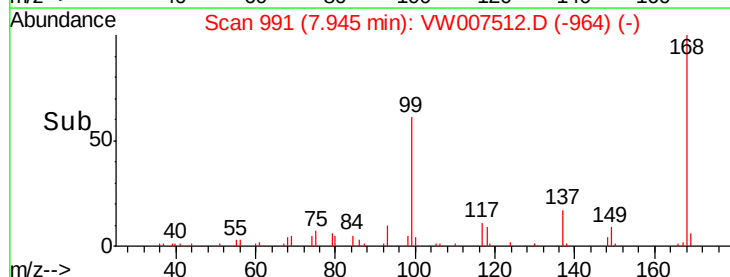
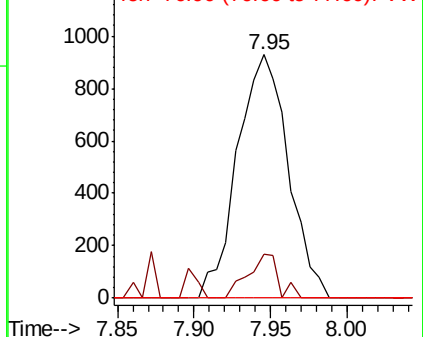
77 0.0 25.6 38.4#

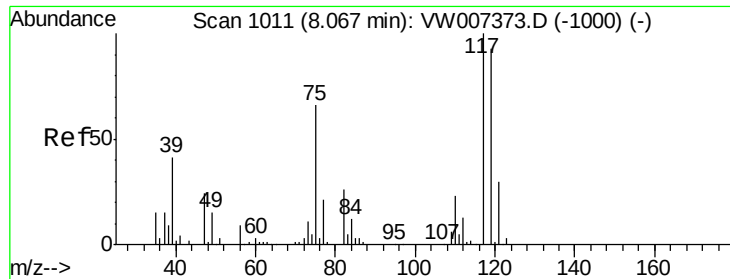


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

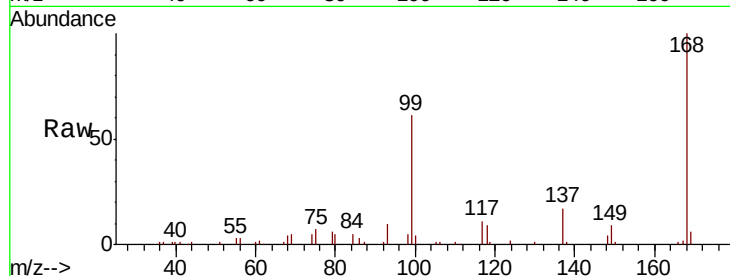




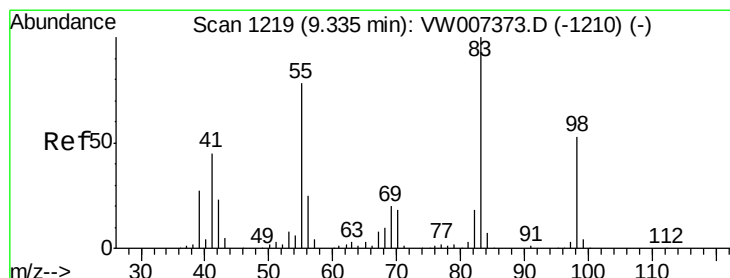
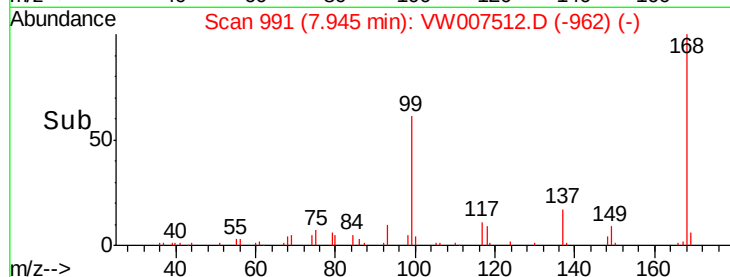
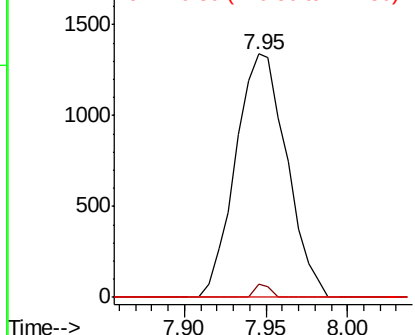
#38
Carbon Tetrachloride
Concen: 6.516 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

Instrument :
MSVOA_W
ClientSampleId :
SB-04BRE

Tot Ion:117 Resp: 2912
Ion Ratio Lower Upper
117 100
119 5.7 74.3 111.5#
121 0.0 24.3 36.5#

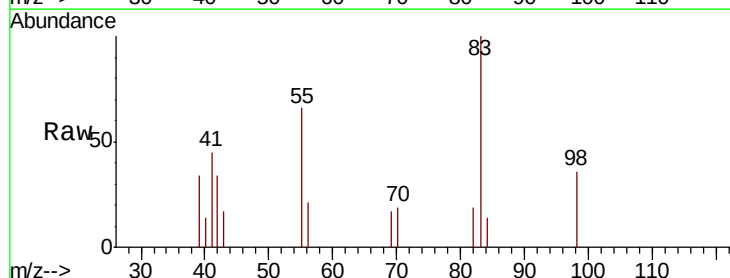


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

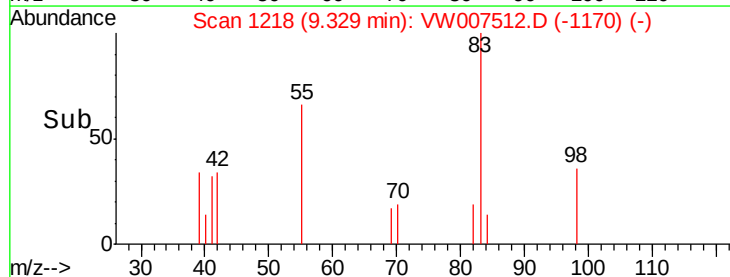
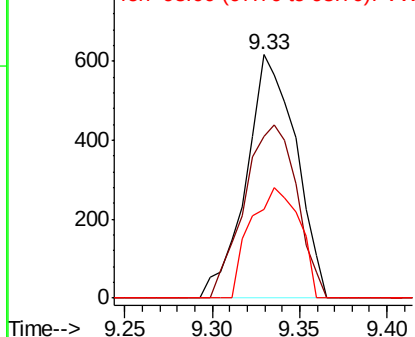


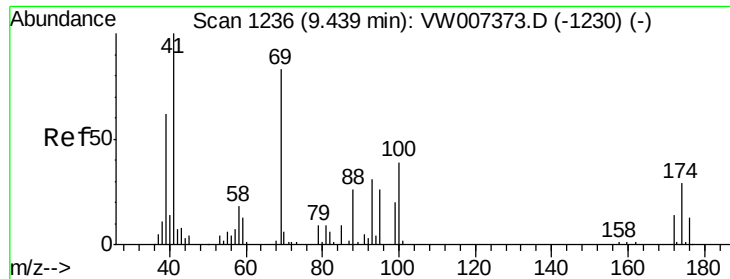
#39
Methylcyclohexane
Concen: 2.445 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

Tgt Ion: 83 Resp: 1216
Ion Ratio Lower Upper
83 100
55 66.5 62.8 94.2
98 36.3 42.2 63.2#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#48

Methvl methacrylate

Concen: 3.581 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.10 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

SB-04BRE

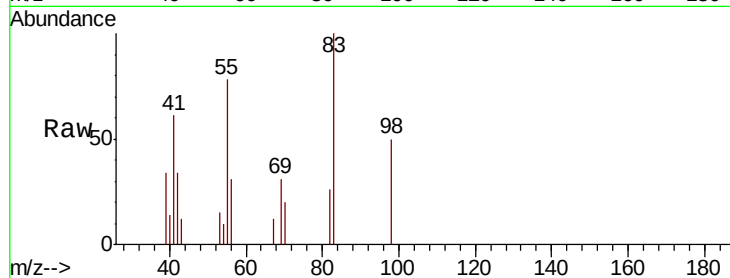
Tot Ion: 41 Resp: 555

Ion Ratio Lower Upper

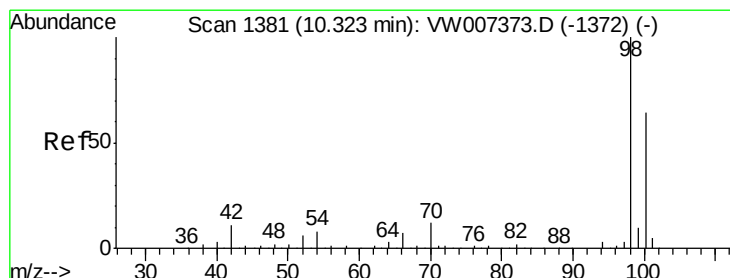
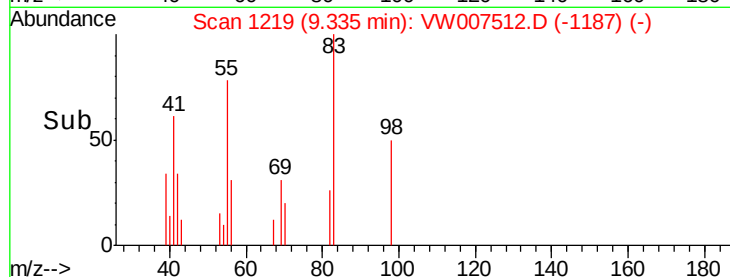
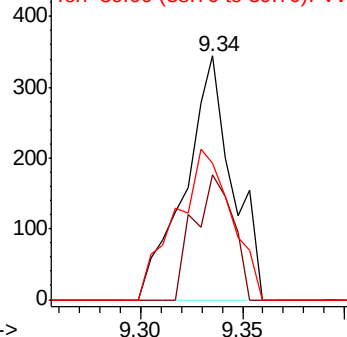
41 100

69 42.3 69.8 104.8#

39 72.4 50.9 76.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW



#50

Toluene-d8

Concen: 21.628 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007512.D

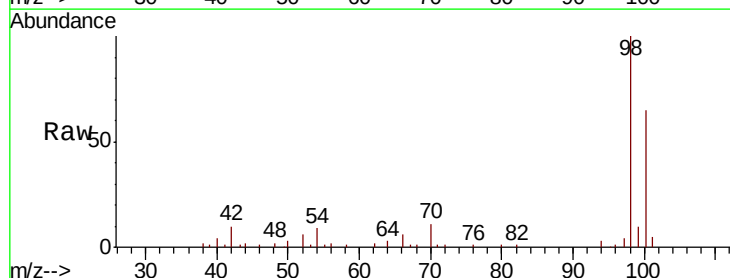
Acq: 14 Dec 2018 03:42

Tgt Ion: 98 Resp: 22100

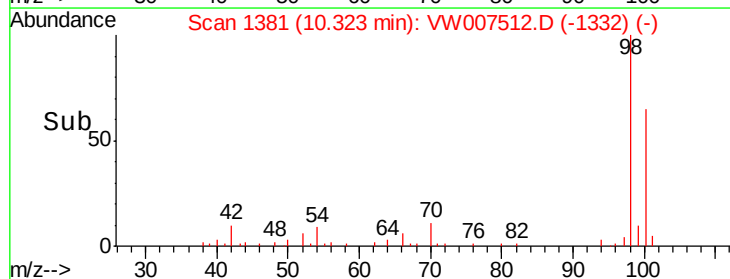
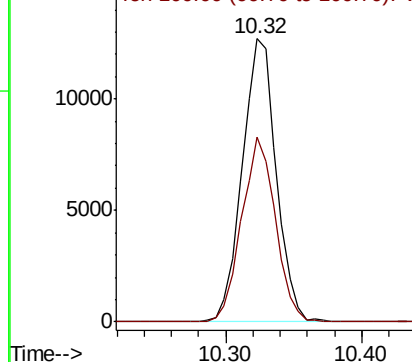
Ion Ratio Lower Upper

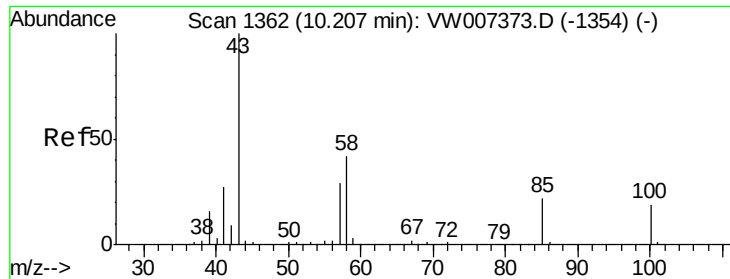
98 100

100 64.9 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 2.602 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

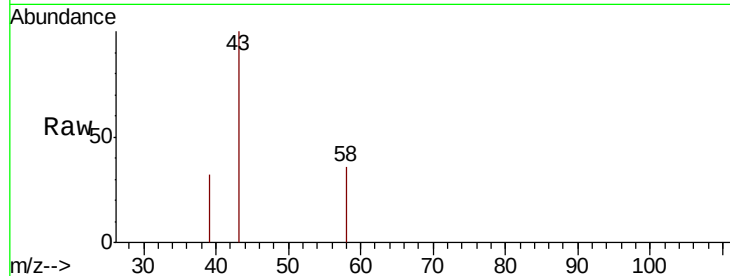
SB-04BRE

Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

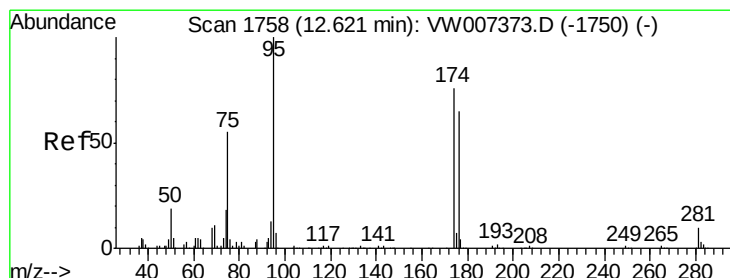
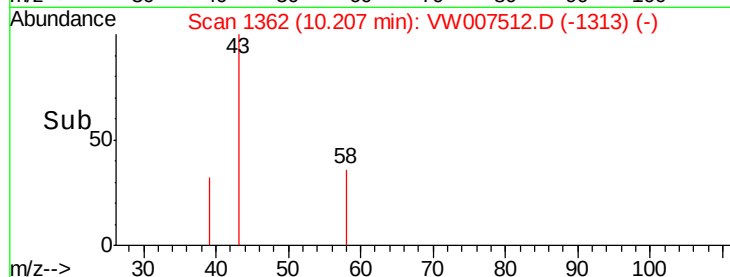
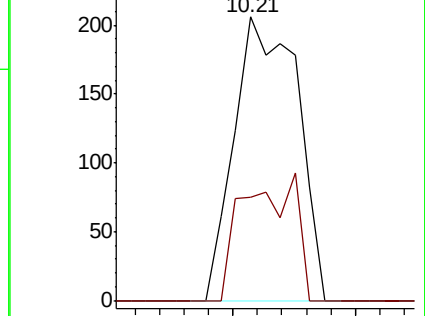
43 100

58 37.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 4.820 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

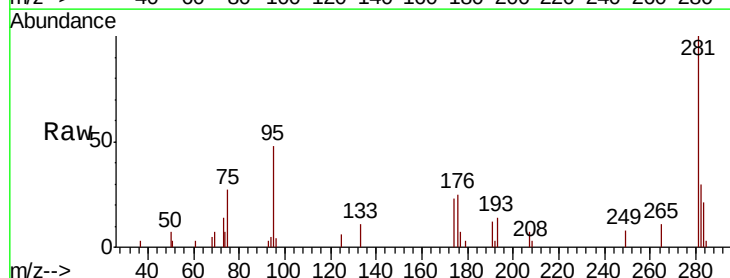
Tgt Ion: 95 Resp: 1811

Ion Ratio Lower Upper

95 100

174 62.5 0.0 147.2

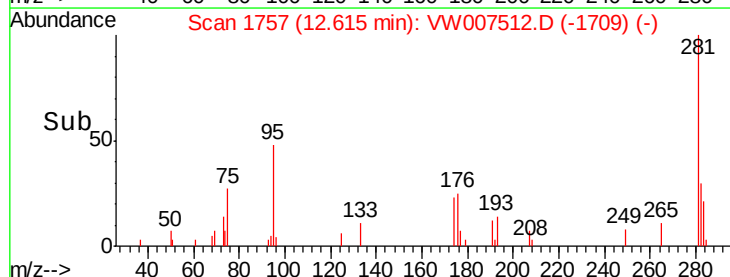
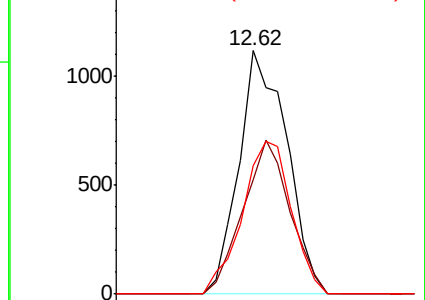
176 64.8 0.0 138.8

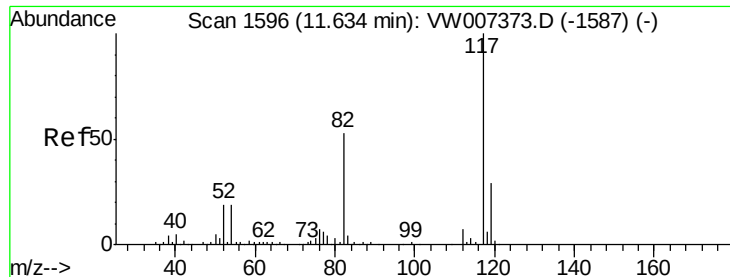


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

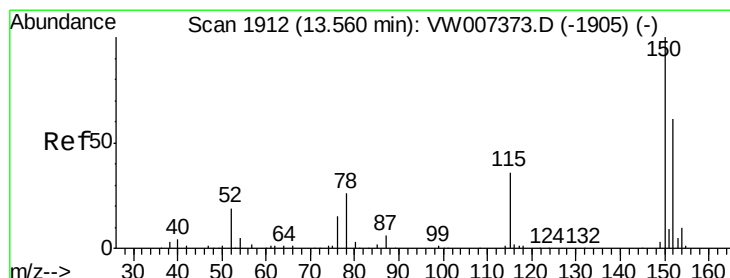
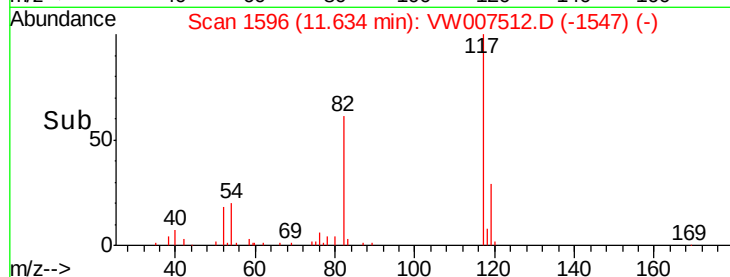
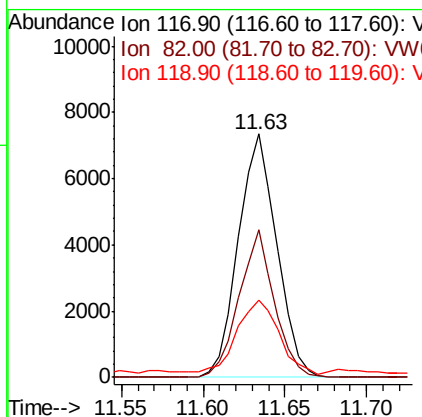
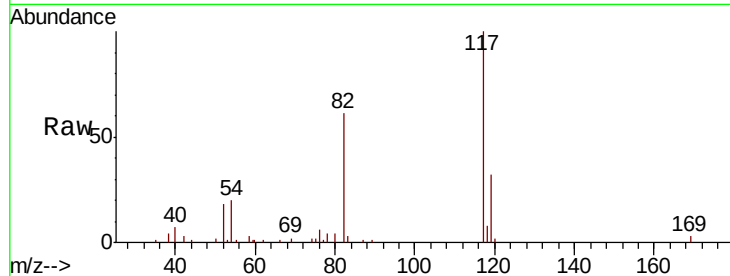




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

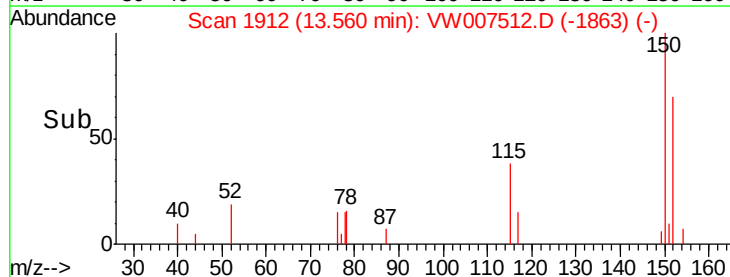
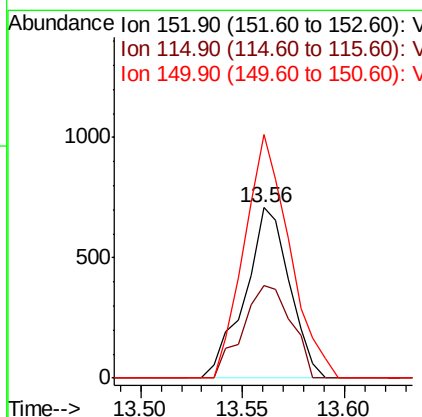
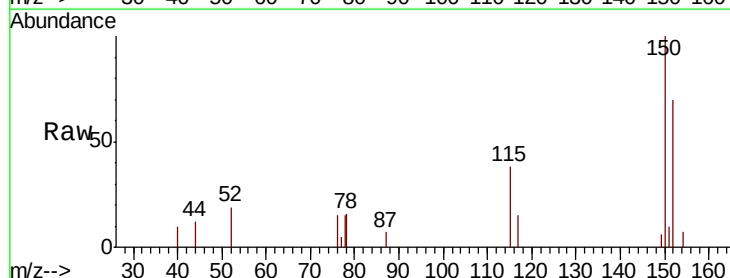
Instrument :
MSVOA_W
ClientSampleId :
SB-04BRE

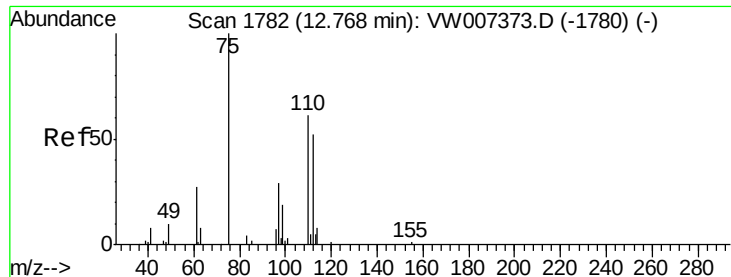
Tot Ion:117 Resp: 12028
Ion Ratio Lower Upper
117 100
82 60.5 42.3 63.5
119 29.2 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007512.D
Acq: 14 Dec 2018 03:42

Tgt Ion:152 Resp: 1081
Ion Ratio Lower Upper
152 100
115 59.2 31.4 94.2
150 144.4 0.0 358.4





#76

1,2,3-Trichloropropane

Concen: 100.189 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

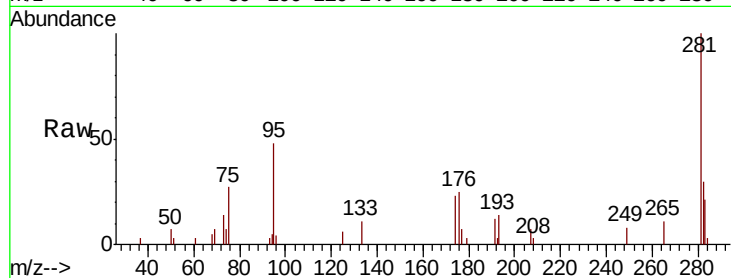
SB-04BRE

Tot Ion: 75 Resp: 893

Ion Ratio Lower Upper

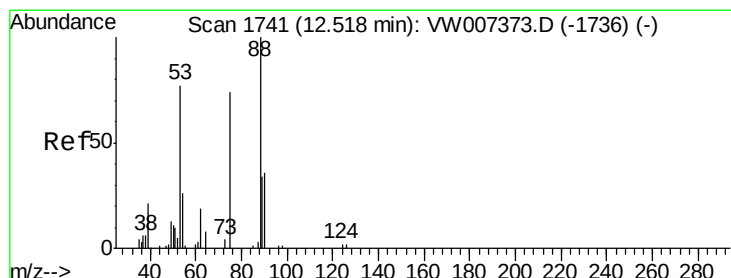
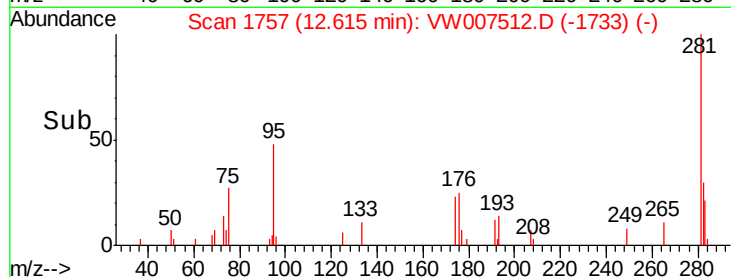
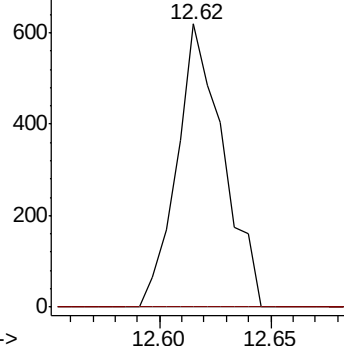
75 100

77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 221.318 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW007512.D

Acq: 14 Dec 2018 03:42

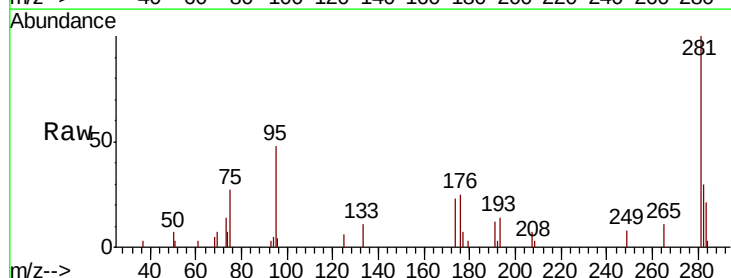
Tgt Ion: 75 Resp: 893

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

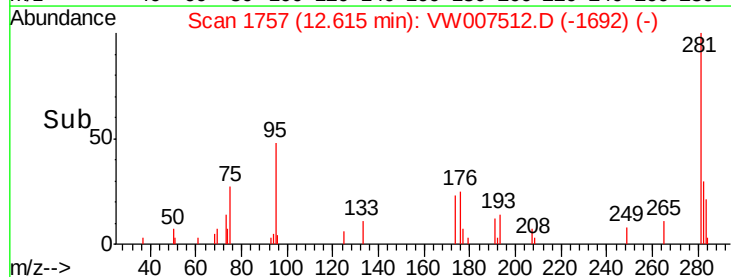
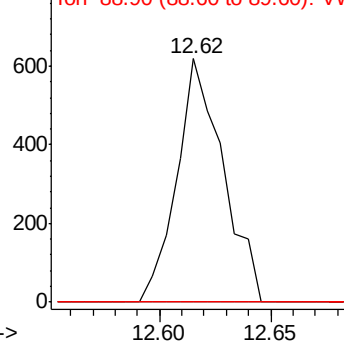
89 0.0 40.3 60.5#

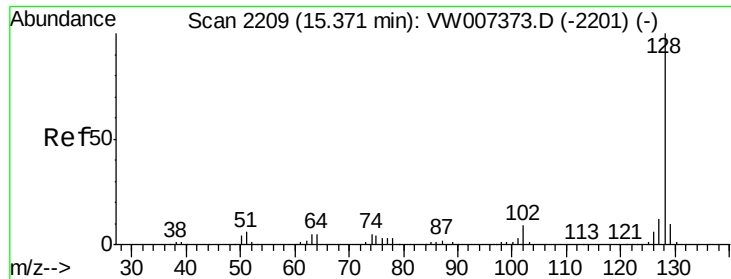


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 1.321 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007512.D

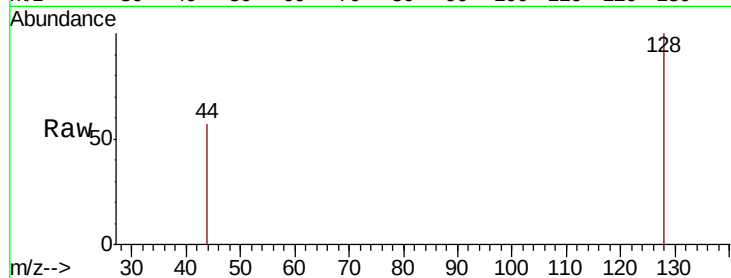
Acq: 14 Dec 2018 03:42

Instrument :

MSVOA_W

ClientSampleId :

SB-04BRE



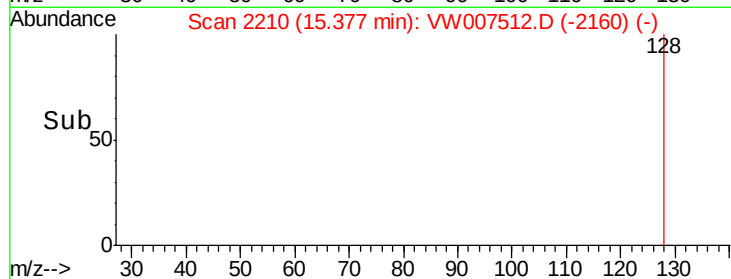
Tot Ion:128 Resp: 57

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.3 12.5#



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

