

Data File : VW012743.D
Acq On : 08 Sep 2019 02:48
Operator : SY/VA
Sample : VW0907SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0907SBL02

Quant Time: Sep 08 05:18:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146358	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140484	59.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.18%	
35) Dibromofluoromethane	7.88	113	107464	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.32	98	436174	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	141731	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

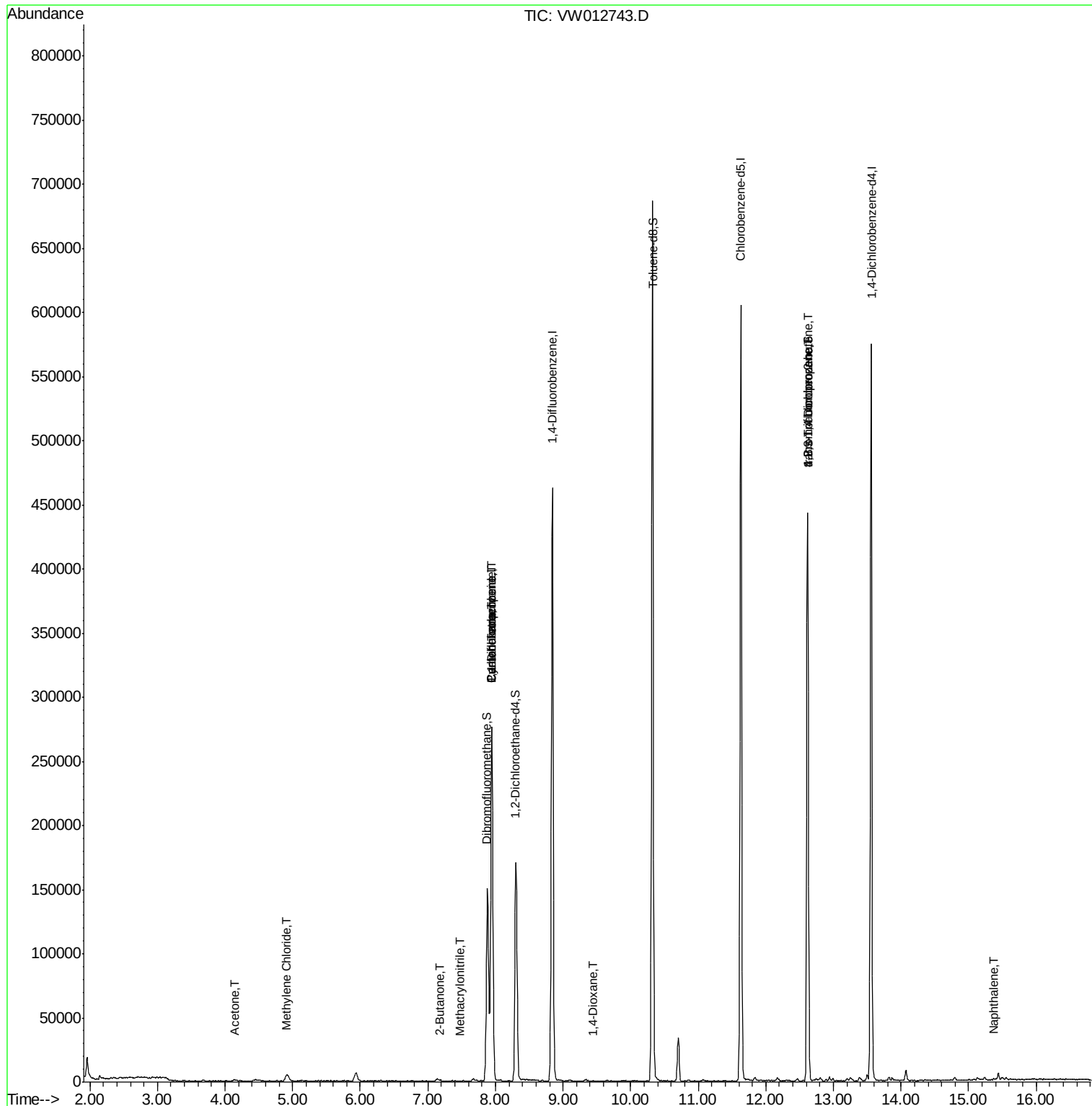
Target Compounds				Qvalue		
16) Acetone	4.14	43	2165	3.340	ug/l	92
20) Methylene Chloride	4.92	84	2172	1.071	ug/l #	85
25) 2-Butanone	7.18	43	264	19.935	ug/l #	53
31) Cyclohexane	7.94	56	5445	1.558	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17350	5.535	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20716	6.704	ug/l #	17
41) Methacrylonitrile	7.48	41	54	3.875	ug/l #	27
49) 1,4-Dioxane	9.45	88	41	1.817	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79662	53.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79662	112.584	ug/l #	6
95) Naphthalene	15.37	128	1038	4.593	ug/l #	84

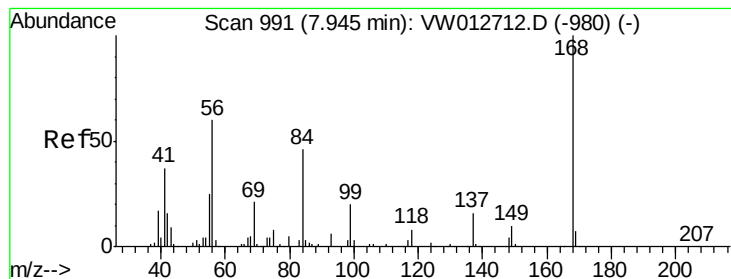
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampleId :

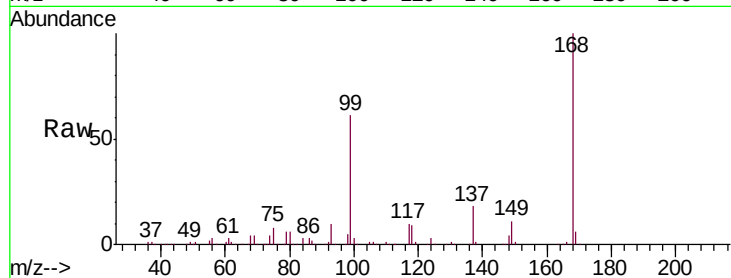
VW0907SBL02

Tgt Ion:168 Resp: 212786

Ion Ratio Lower Upper

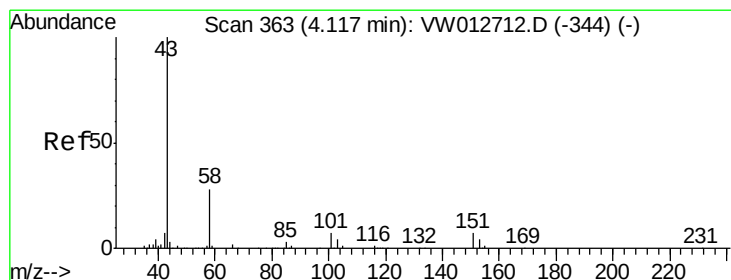
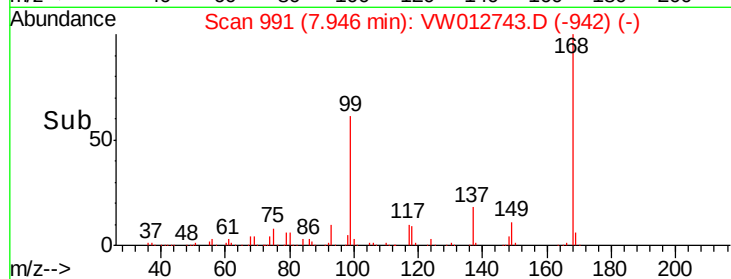
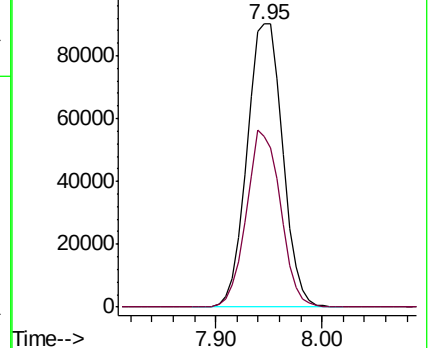
168 100

99 60.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 3.340 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012743.D

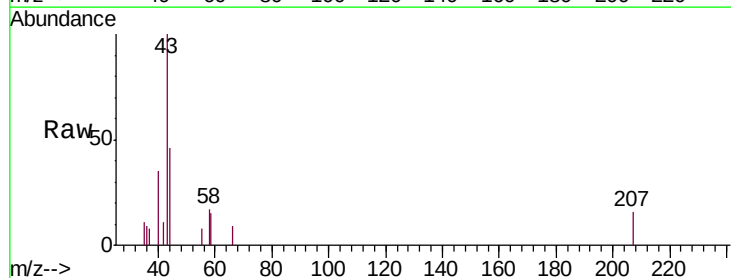
Acq: 08 Sep 2019 02:48

Tgt Ion: 43 Resp: 2165

Ion Ratio Lower Upper

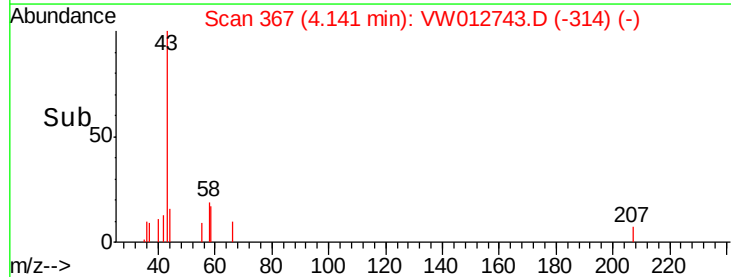
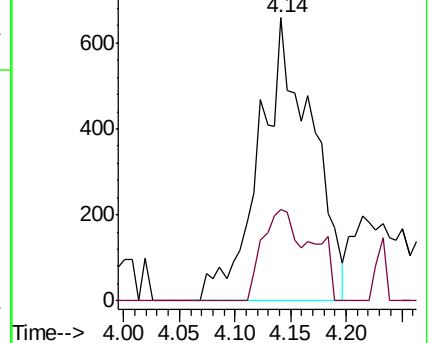
43 100

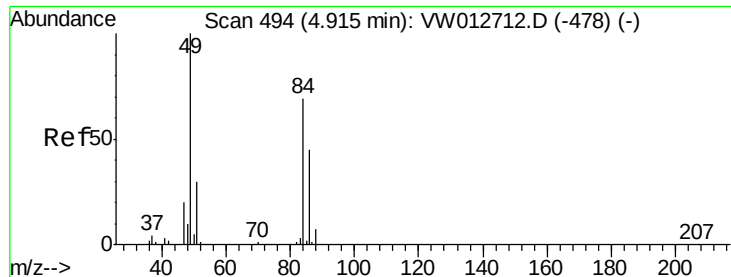
58 32.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.071 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBL02

Tgt Ion: 84 Resp: 2172

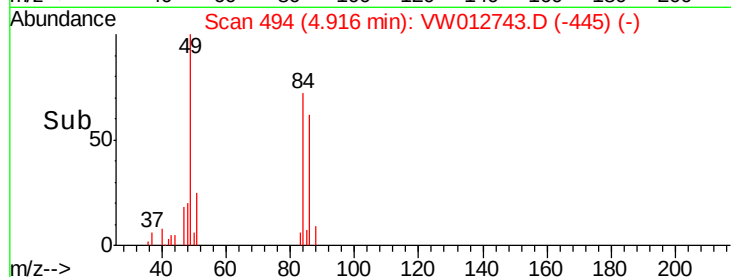
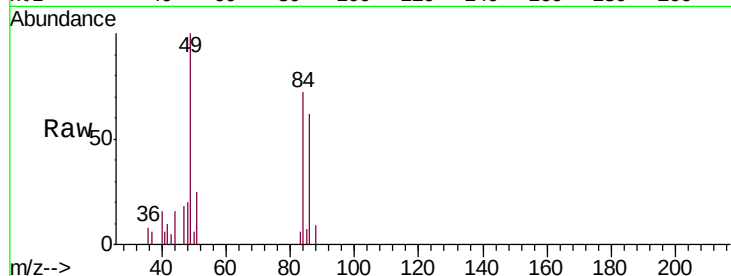
Ion Ratio Lower Upper

84 100

49 130.0 115.4 173.0

51 34.6 34.9 52.3#

86 85.2 52.2 78.4#

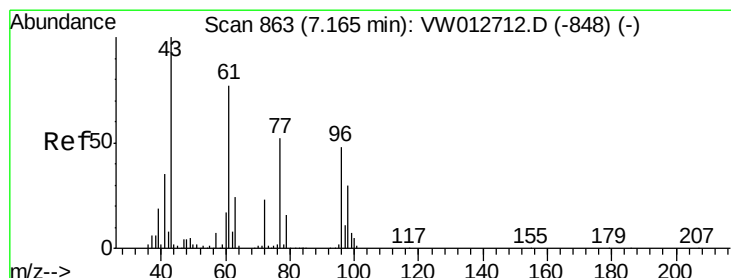
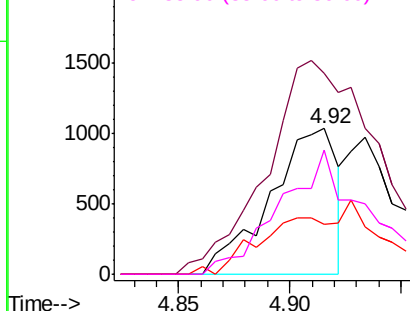


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 19.935 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012743.D

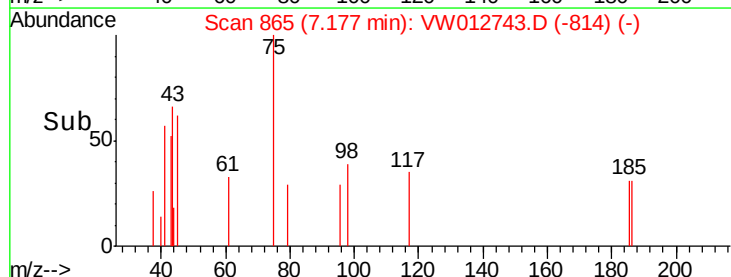
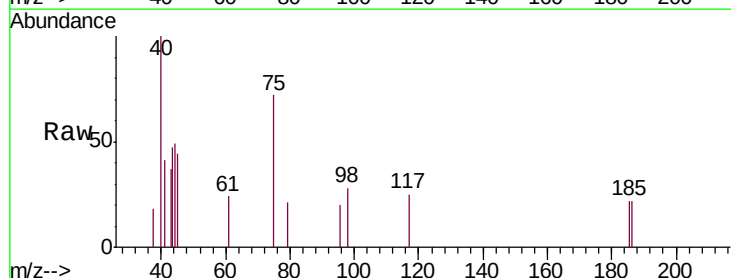
Acq: 08 Sep 2019 02:48

Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

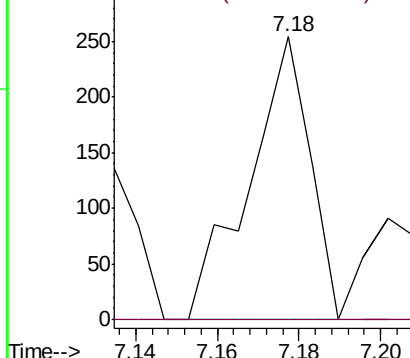
43 100

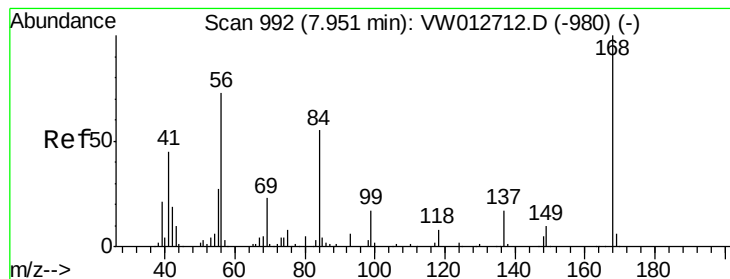
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.558 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampled :

VW0907SBL02

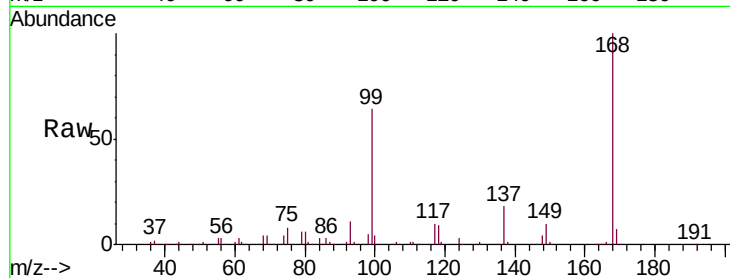
Tgt Ion: 56 Resp: 5445

Ion Ratio Lower Upper

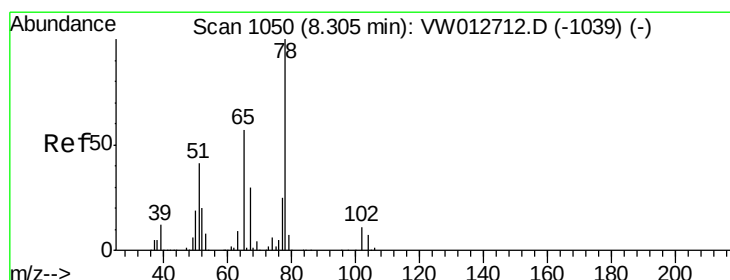
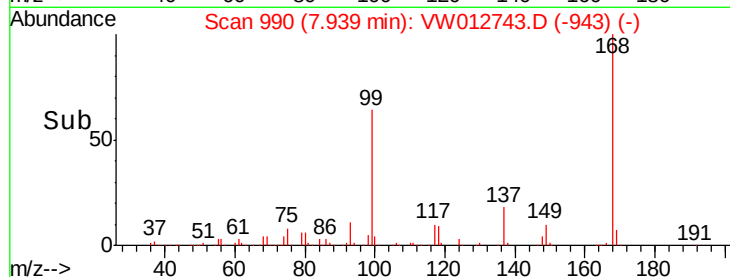
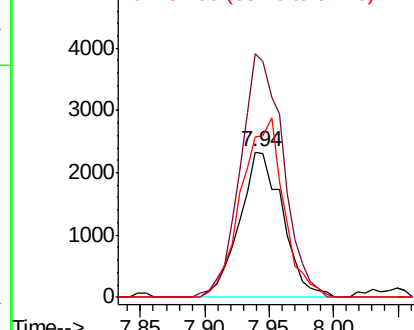
56 100

69 167.2 25.7 38.5#

84 110.3 60.4 90.6#



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: 59.088 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012743.D

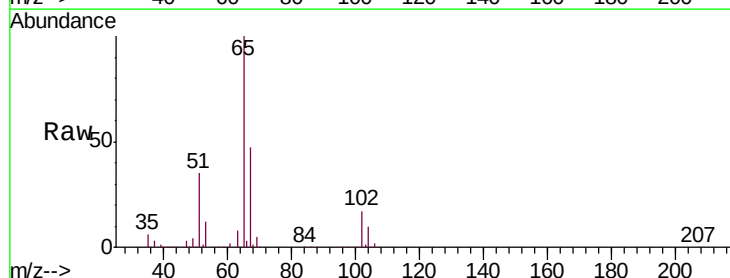
Acq: 08 Sep 2019 02:48

Tgt Ion: 65 Resp: 140484

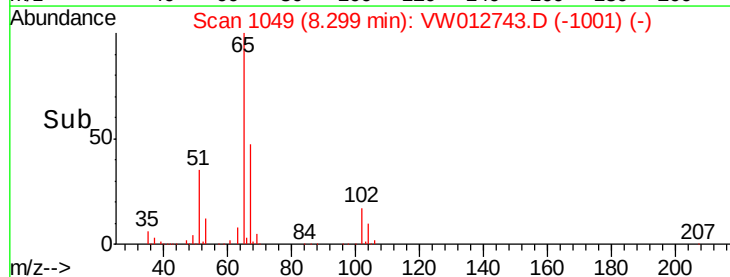
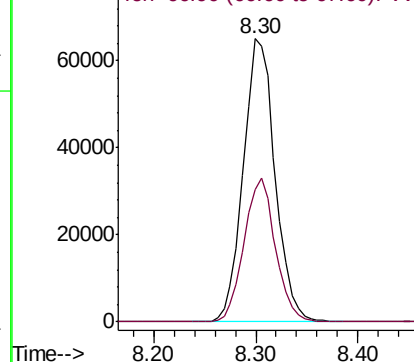
Ion Ratio Lower Upper

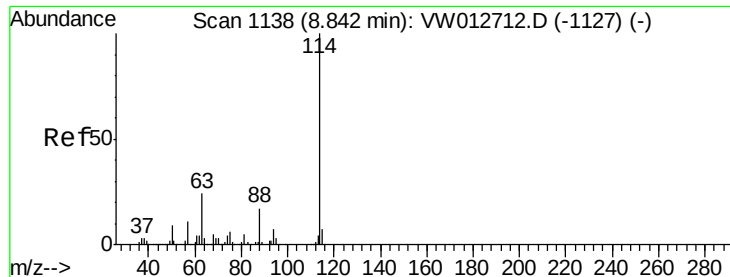
65 100

67 50.1 0.0 101.8



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: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBL02

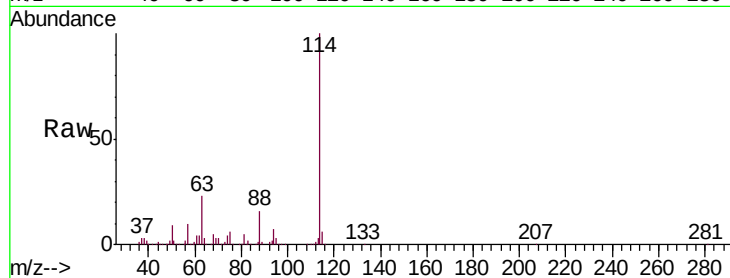
Tgt Ion:114 Resp: 352815

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.2

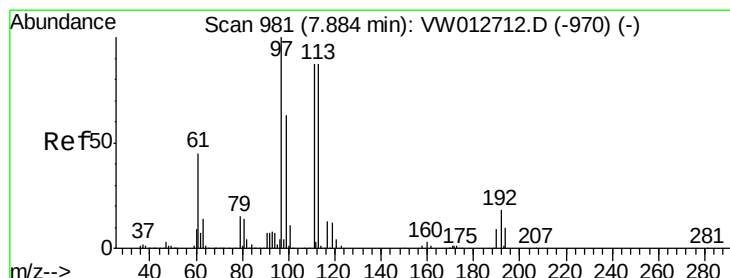
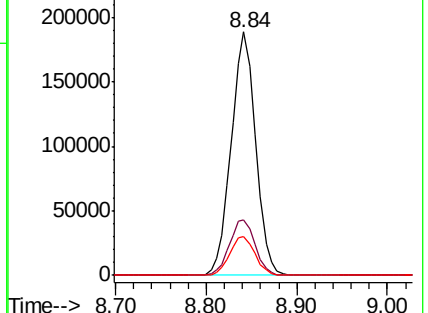
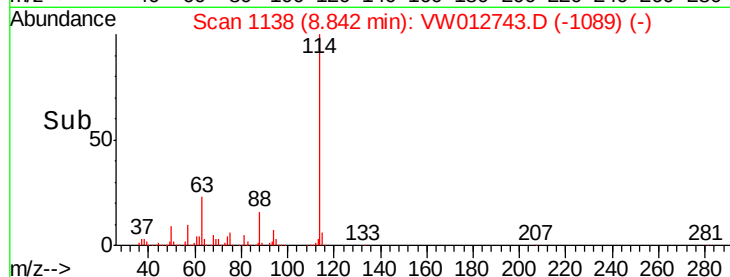
88 16.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.232 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

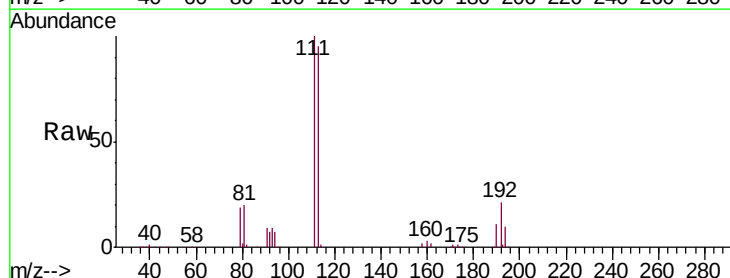
Tgt Ion:113 Resp: 107464

Ion Ratio Lower Upper

113 100

111 102.9 80.2 120.4

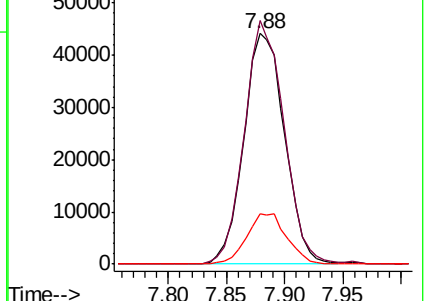
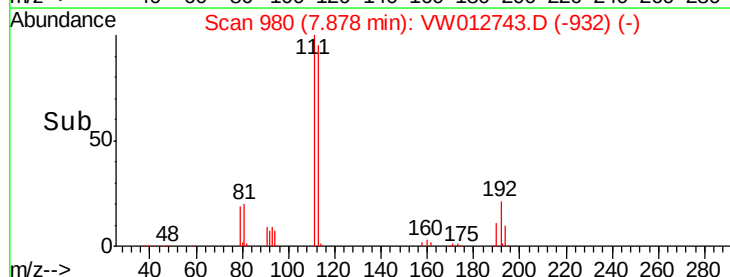
192 21.5 17.3 25.9

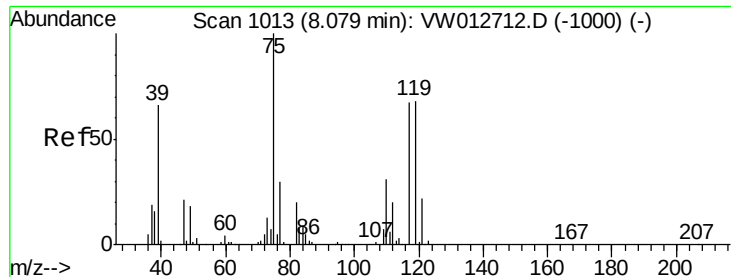


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.535 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampleId :

VW0907SBL02

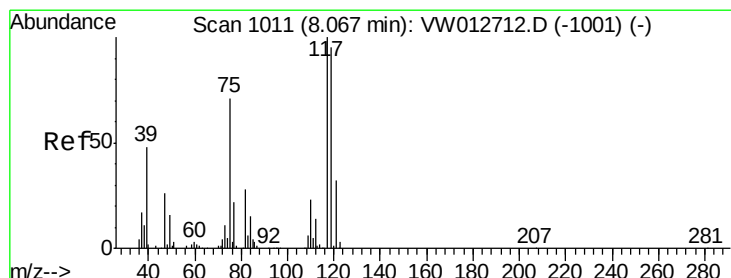
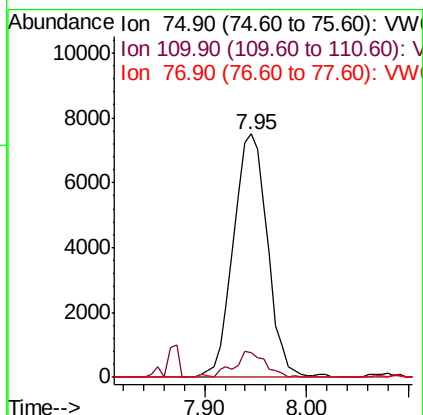
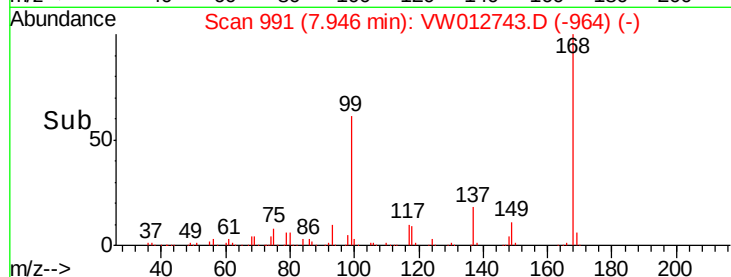
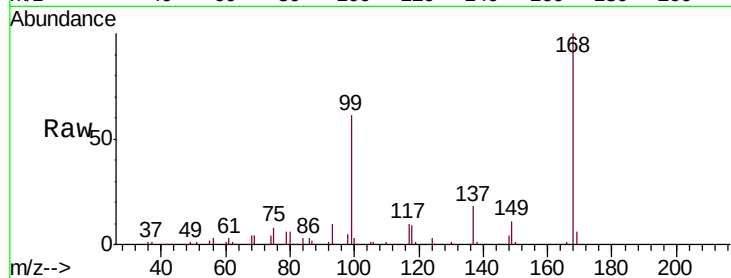
Tgt Ion: 75 Resp: 17350

Ion Ratio Lower Upper

75 100

110 9.8 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

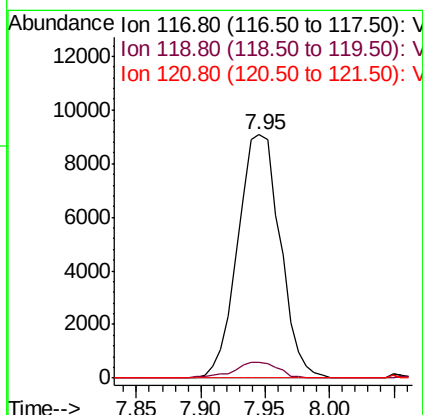
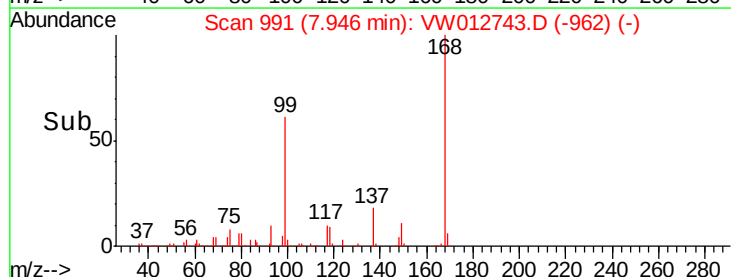
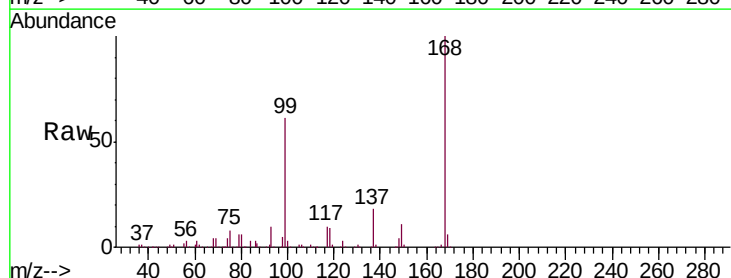
Tgt Ion: 117 Resp: 20716

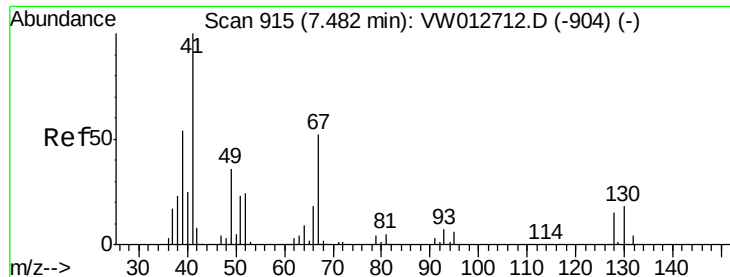
Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.875 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

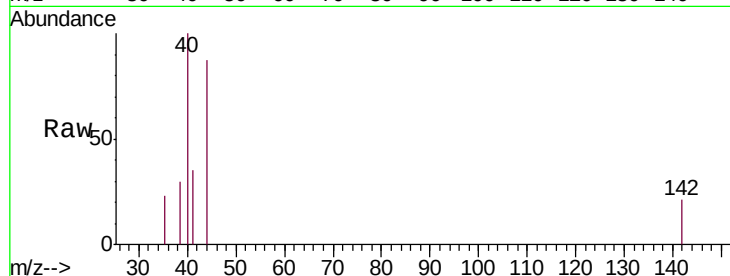
Instrument :

MSVOA_W

ClientSampled :

VW0907SBL02

Tgt Ion:	41	Resp:	54
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

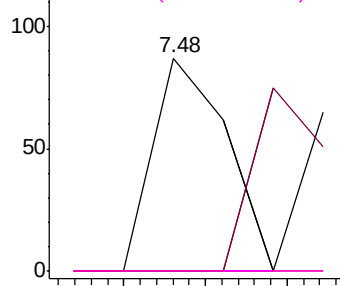


Abundance Ion 41.00 (40.70 to 41.70): VW

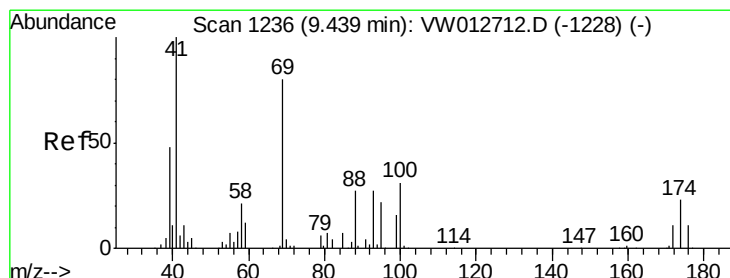
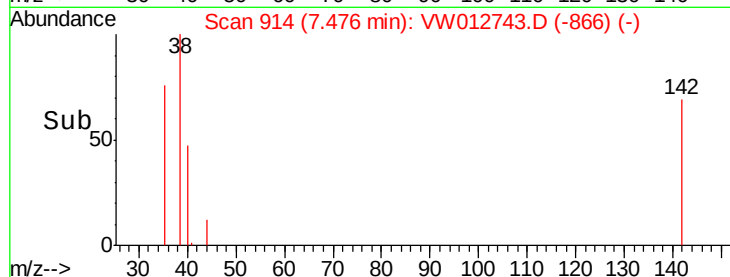
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#49

1,4-Dioxane

Concen: 1.817 ug/l

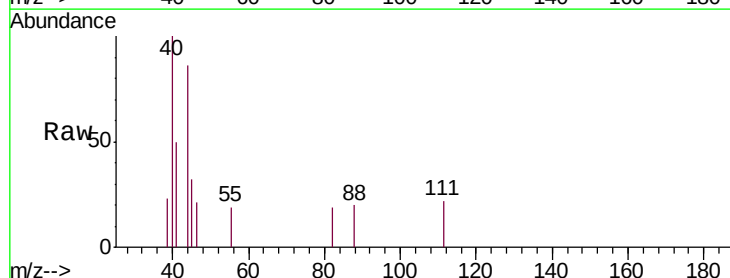
RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

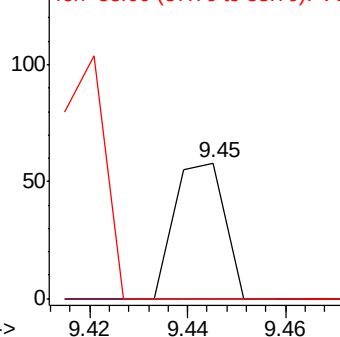
Tgt Ion:	88	Resp:	41
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	0.0	64.1	96.1#



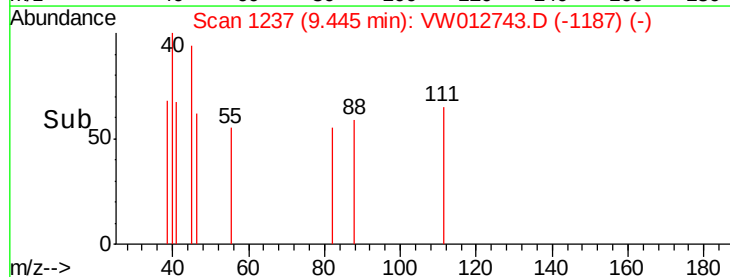
Abundance Ion 88.00 (87.70 to 88.70): VW

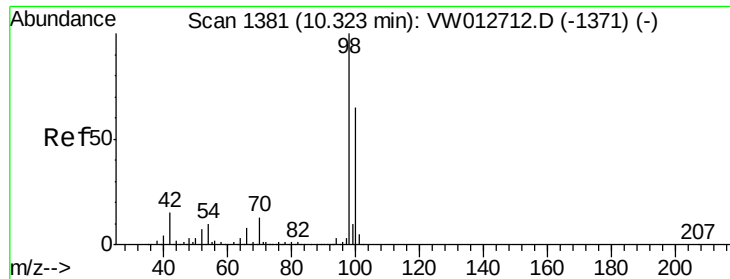
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

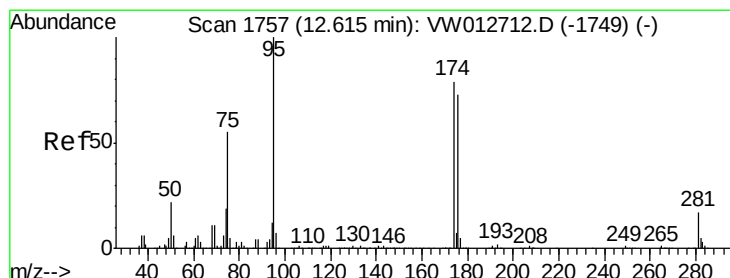
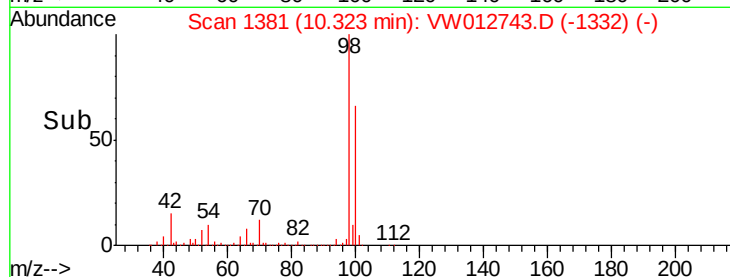
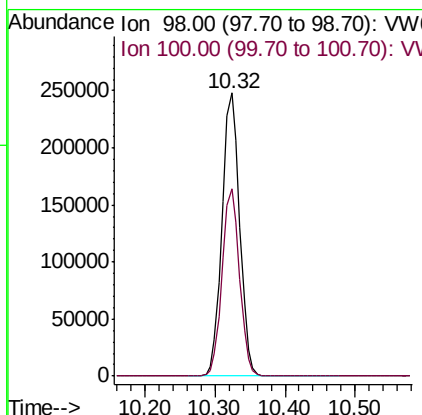
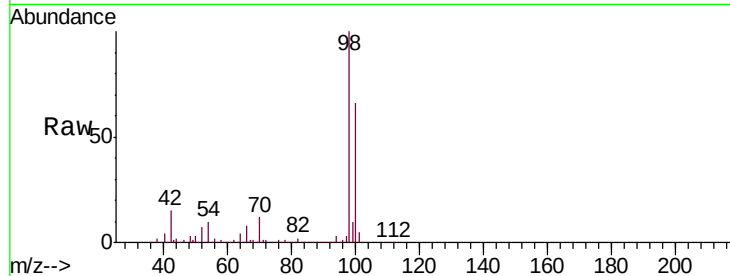




#50
Toluene-d8
Concen: 53.076 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012743.D
Acq: 08 Sep 2019 02:48

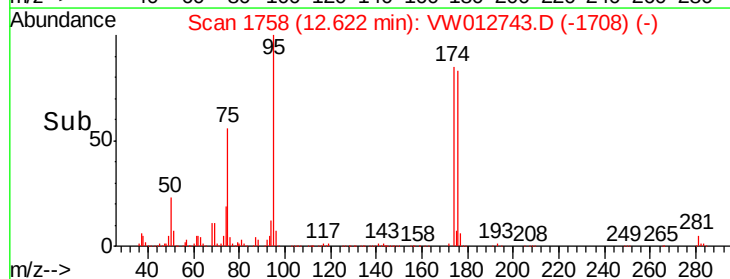
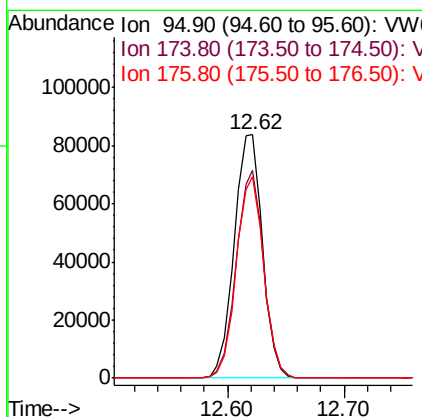
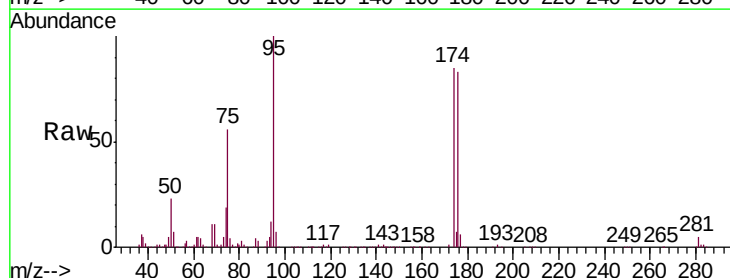
Instrument :
MSVOA_W
ClientSampleId :
VW0907SBL02

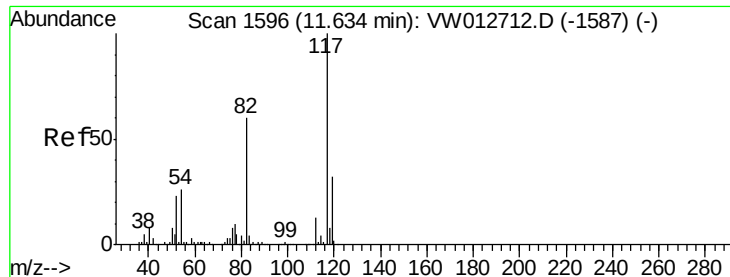
Tgt Ion: 98 Resp: 436174
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 47.508 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012743.D
Acq: 08 Sep 2019 02:48

Tgt Ion: 95 Resp: 141731
Ion Ratio Lower Upper
95 100
174 82.4 0.0 161.0
176 80.3 0.0 156.4

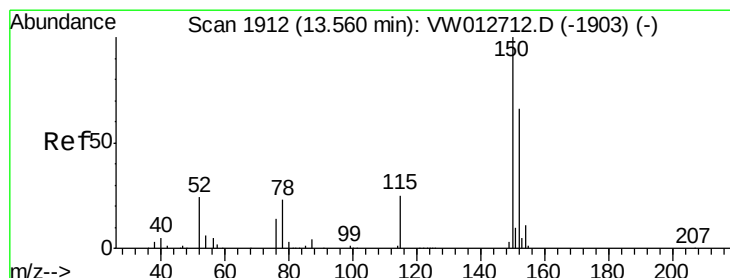
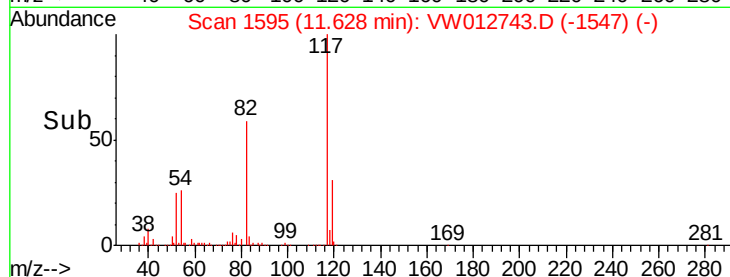
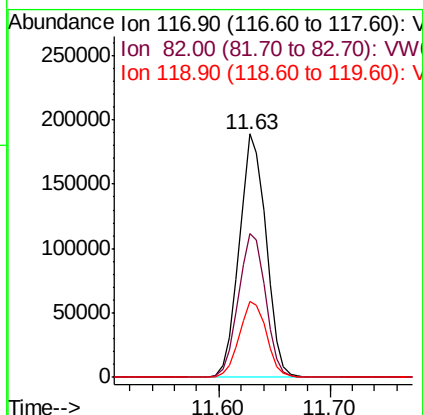
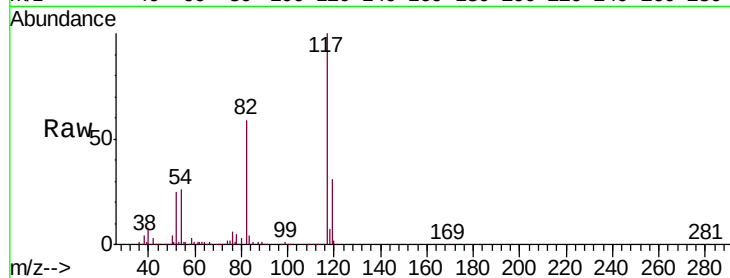




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012743.D
Acq: 08 Sep 2019 02:48

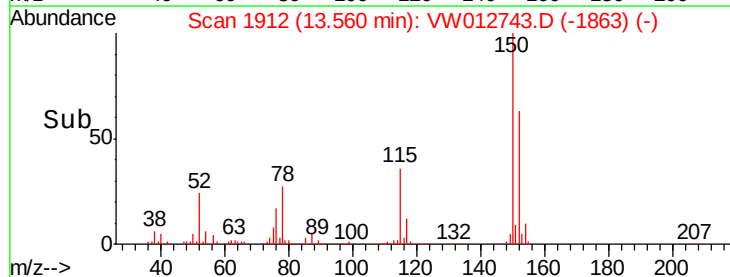
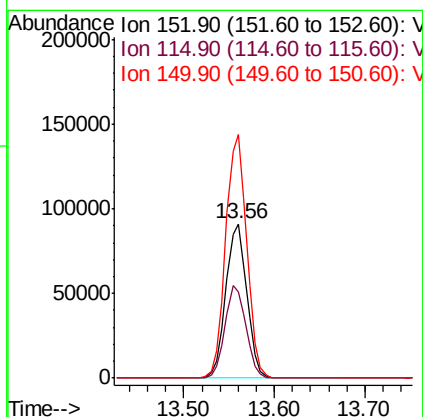
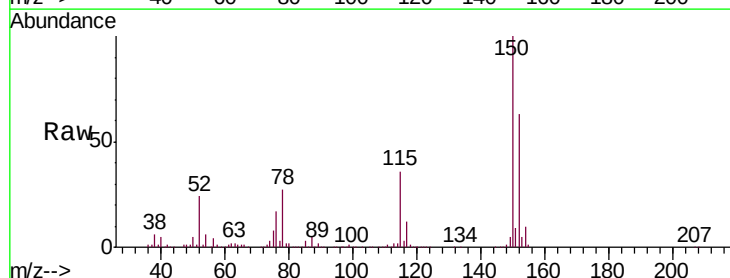
Instrument :
MSVOA_W
ClientSampleId :
VW0907SBL02

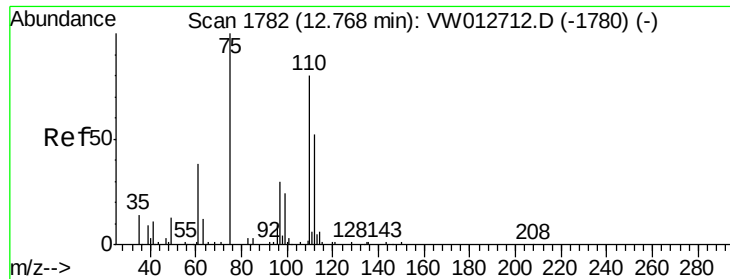
Tgt Ion:117 Resp: 315428
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012743.D
Acq: 08 Sep 2019 02:48

Tgt Ion:152 Resp: 146358
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.1
150 158.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 53.230 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

Instrument :

MSVOA_W

ClientSampled :

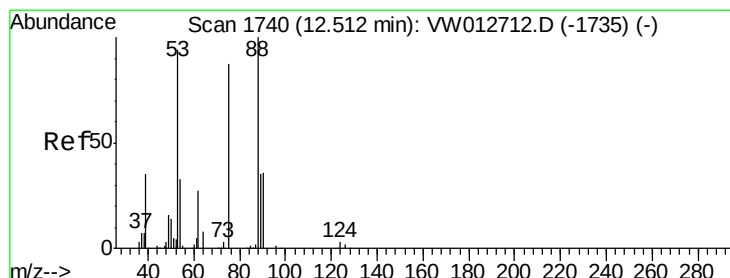
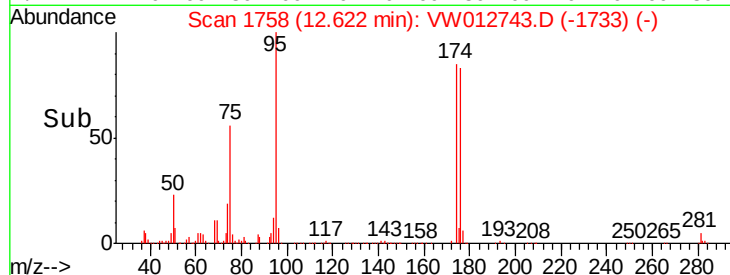
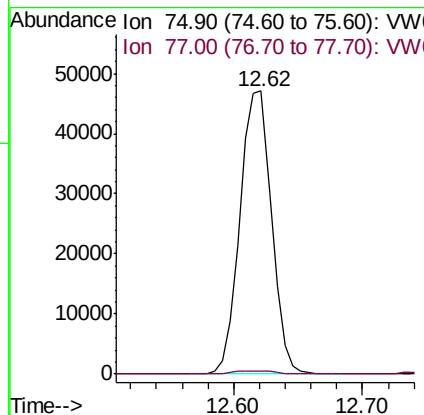
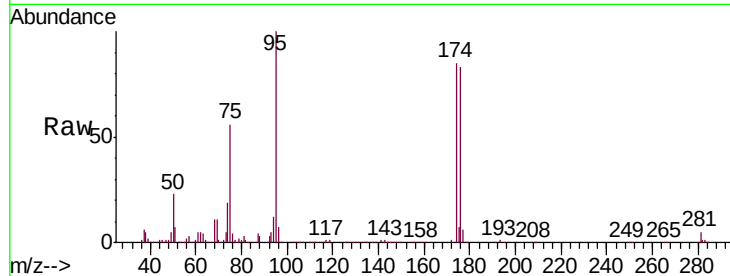
VW0907SBL02

Tgt Ion: 75 Resp: 79662

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.584 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012743.D

Acq: 08 Sep 2019 02:48

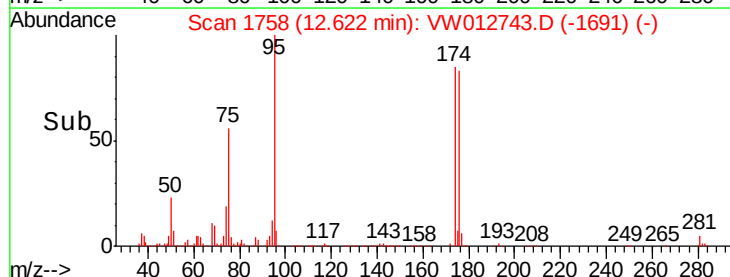
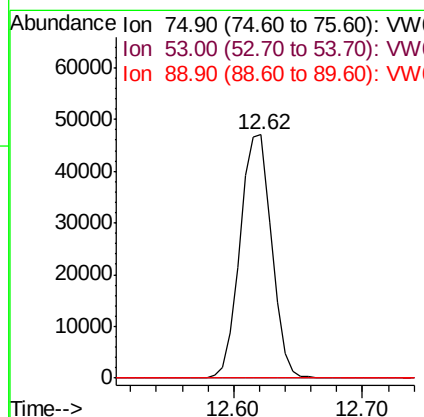
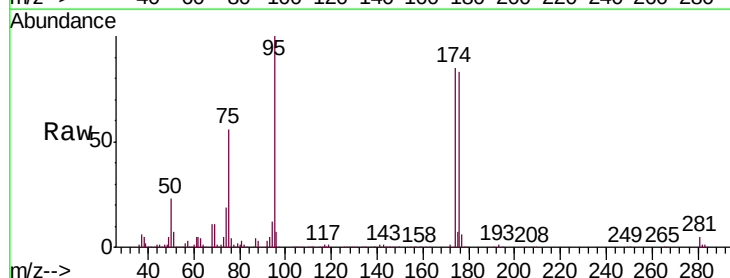
Tgt Ion: 75 Resp: 79662

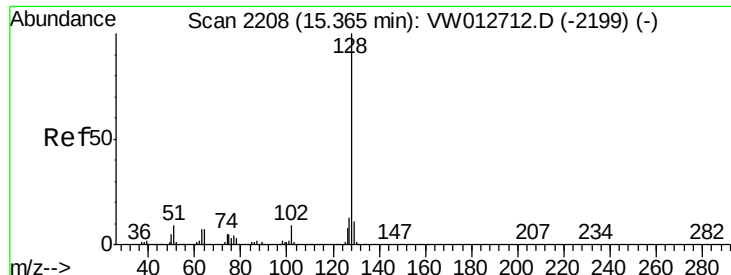
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#

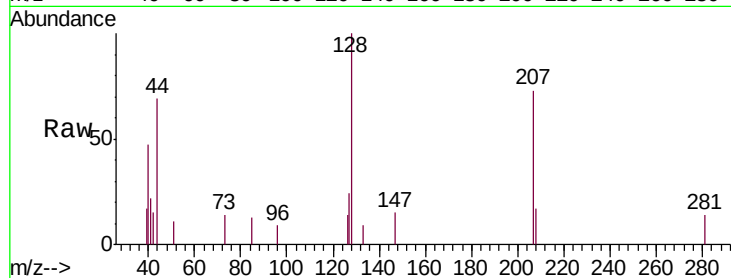




#95
 Naphthalene
 Concen: 4.593 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012743.D
 Acq: 08 Sep 2019 02:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBL02

Tgt Ion:128 Resp: 1038
 Ion Ratio Lower Upper
 128 100
 127 7.0 10.7 16.1#
 129 4.7 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

