

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012893.D
 Acq On : 11 Sep 2019 02:46
 Operator : SY/VA
 Sample : K4696-05
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB06-4.75-5.0

Quant Time: Sep 11 08:23:46 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	159440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	238645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72221	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	88233	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.88	113	72338	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.32	98	277607	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	82398	40.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.66%	

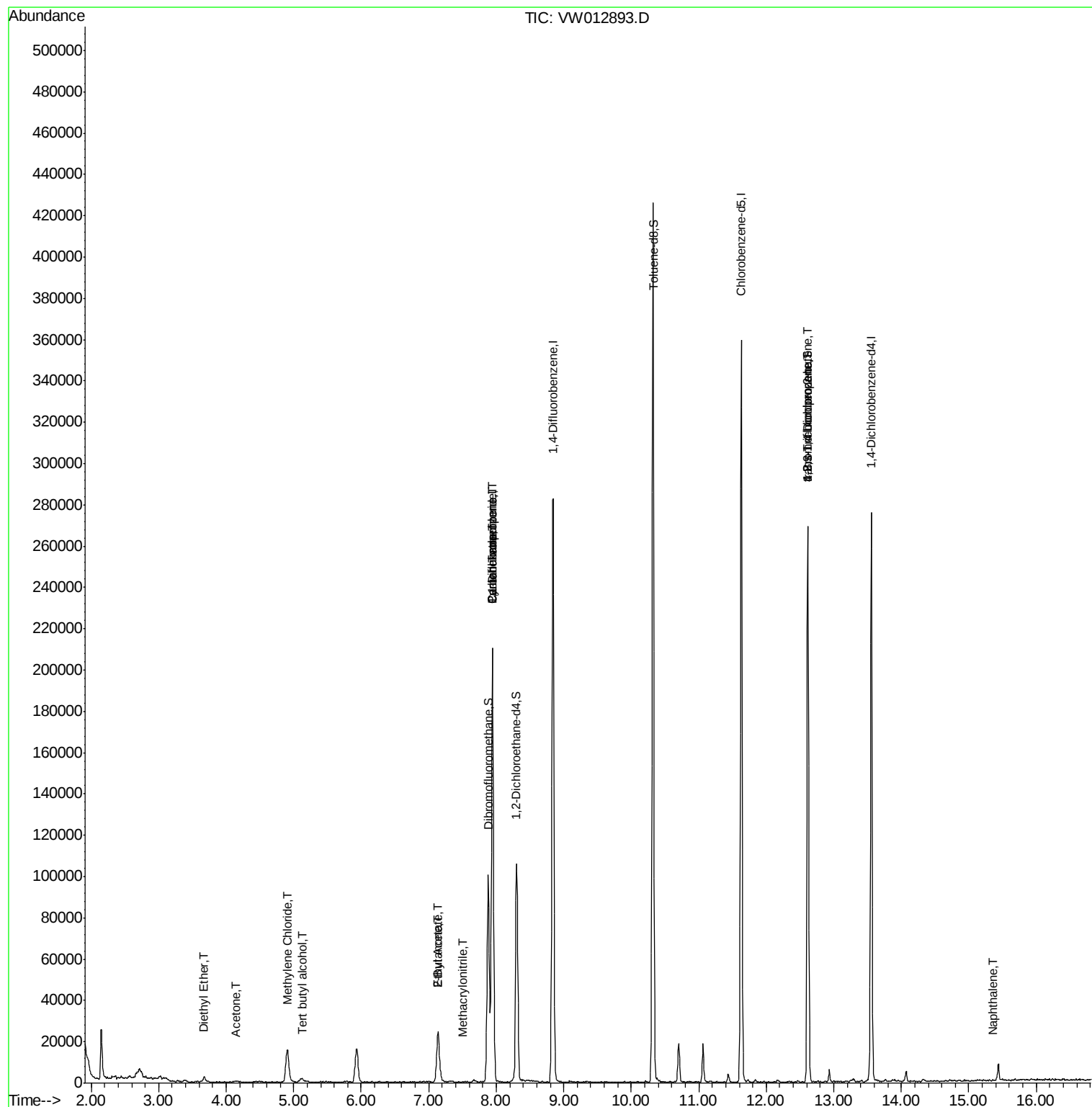
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1221	1.634	ug/l	50
11) Tert butyl alcohol	5.12	59	1529	11.218	ug/l #	72
16) Acetone	4.15	43	1134	2.335	ug/l #	47
20) Methylene Chloride	4.90	84	11671	7.681	ug/l	92
25) 2-Butanone	7.14	43	1746	21.930	ug/l	97
31) Cyclohexane	7.94	56	3383	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12109	5.711	ug/l #	50
37) Ethyl Acetate	7.14	43	1746	1.292	ug/l #	1
38) Carbon Tetrachloride	7.95	117	15547	7.438	ug/l #	16
41) Methacrylonitrile	7.51	41	68	3.907	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	43242	58.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43242	123.847	ug/l #	6
95) Naphthalene	15.35	128	44	4.452	ug/l #	69

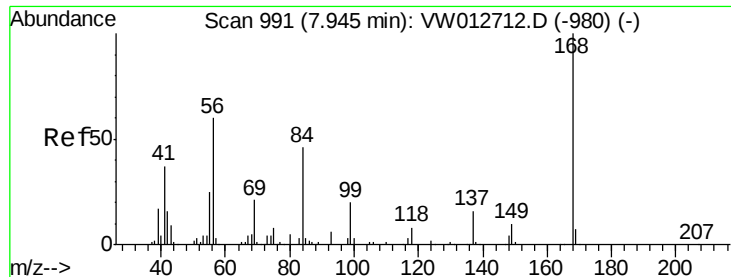
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

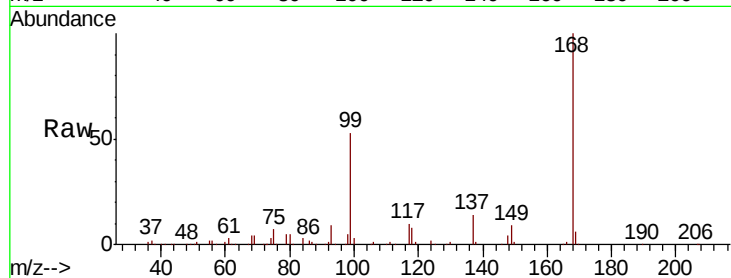
WS-SB06-4.75-5.0

Tgt Ion:168 Resp: 159440

Ion Ratio Lower Upper

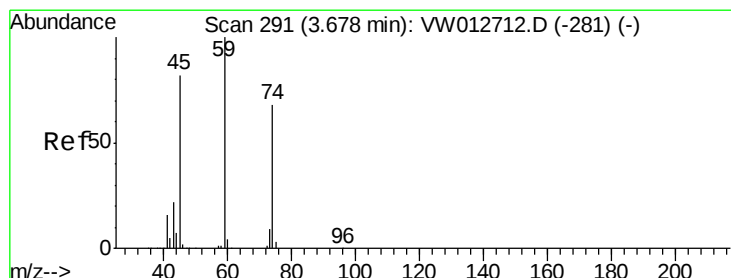
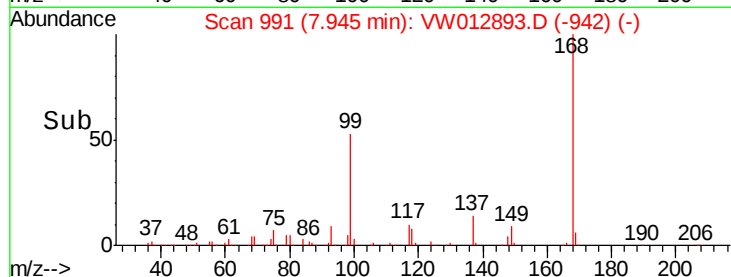
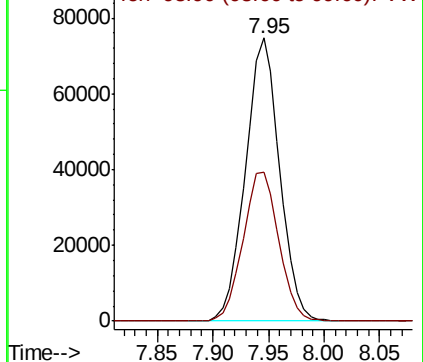
168 100

99 52.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.634 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012893.D

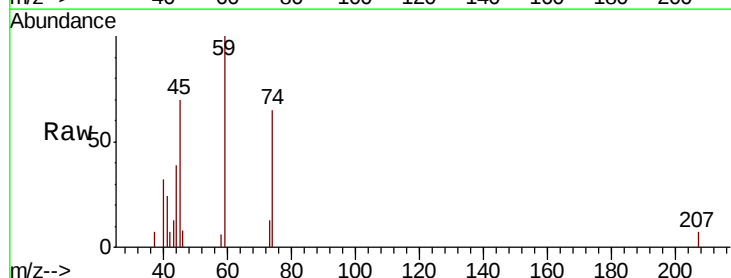
Acq: 11 Sep 2019 02:46

Tgt Ion: 74 Resp: 1221

Ion Ratio Lower Upper

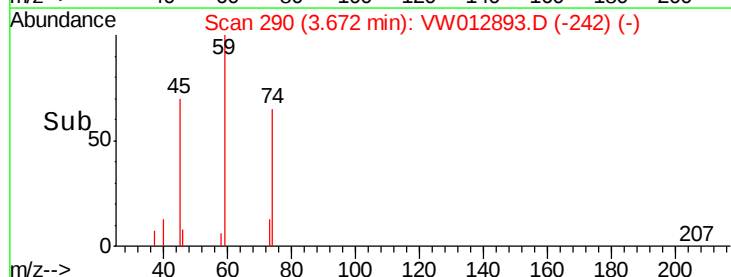
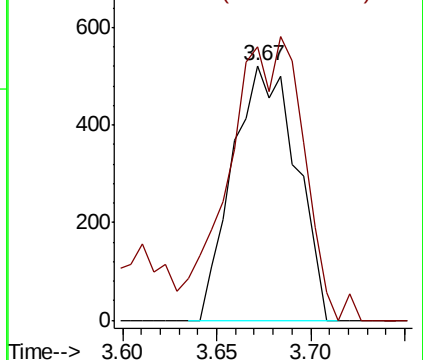
74 100

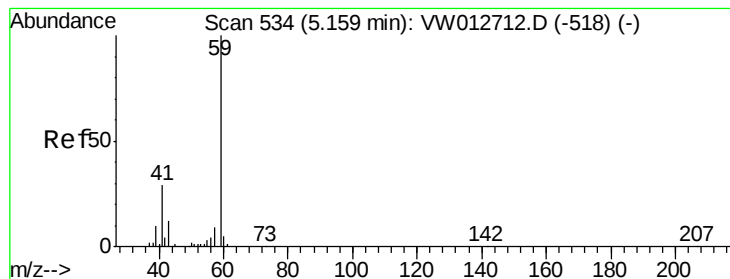
45 62.4 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 11.218 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

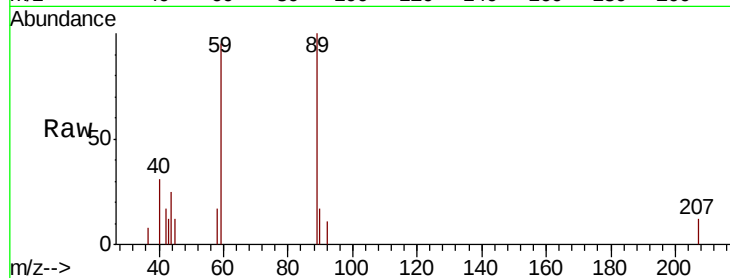
WS-SB06-4.75-5.0

Tgt Ion: 59 Resp: 1529

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

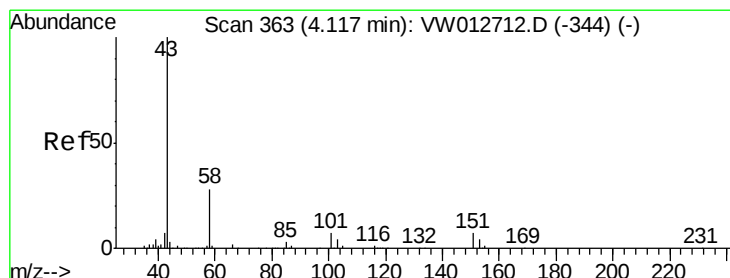
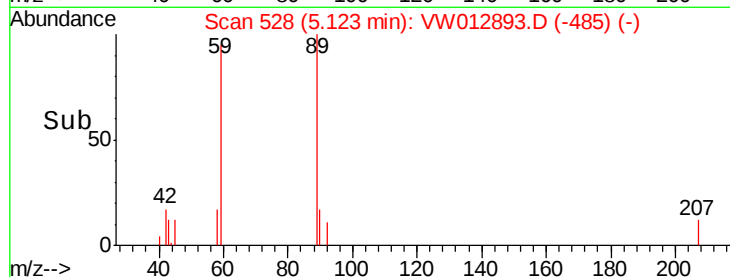
600

400

200

0

Time-->



#16

Acetone

Concen: 2.335 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012893.D

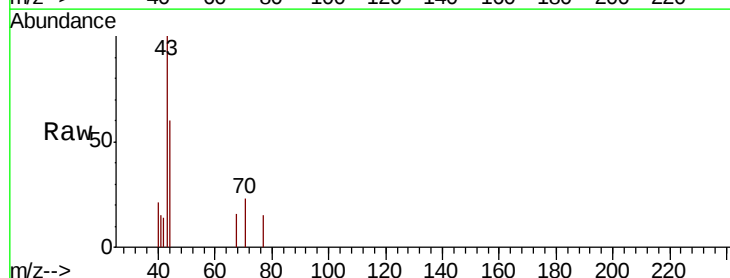
Acq: 11 Sep 2019 02:46

Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

400

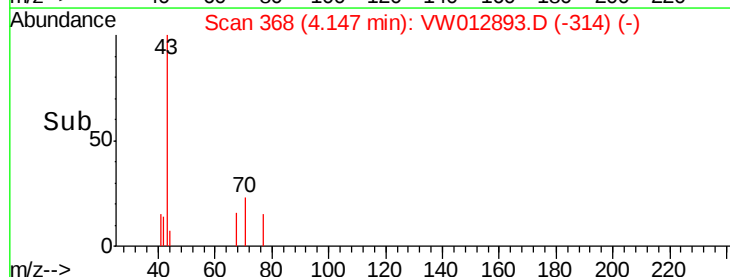
300

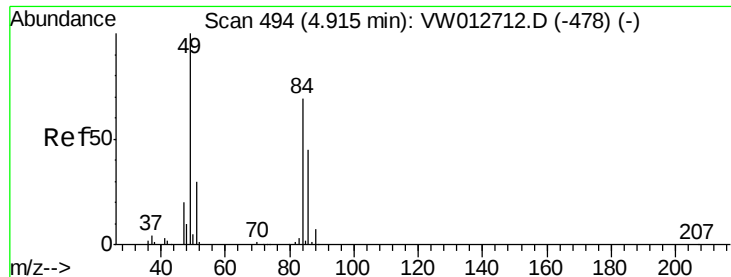
200

100

0

Time-->





#20

Methylene Chloride

Concen: 7.681 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

WS-SB06-4.75-5.0

Tgt Ion: 84 Resp: 11671

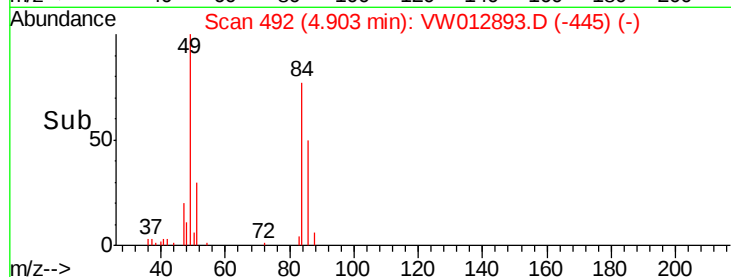
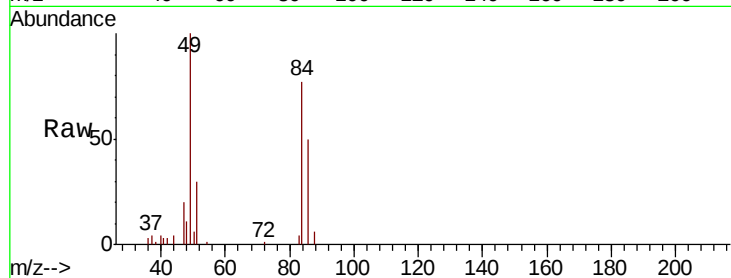
Ion Ratio Lower Upper

84 100

49 129.1 115.4 173.0

51 38.8 34.9 52.3

86 64.9 52.2 78.4

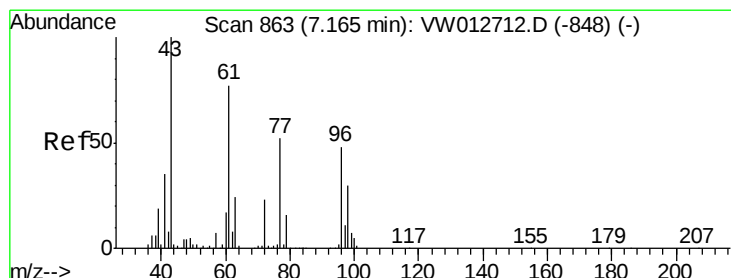
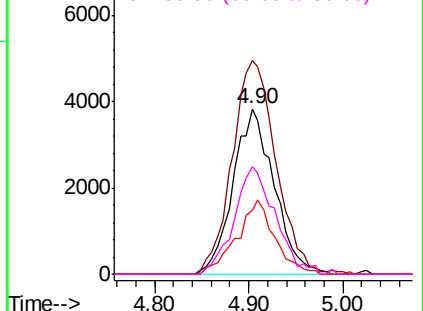


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 21.930 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012893.D

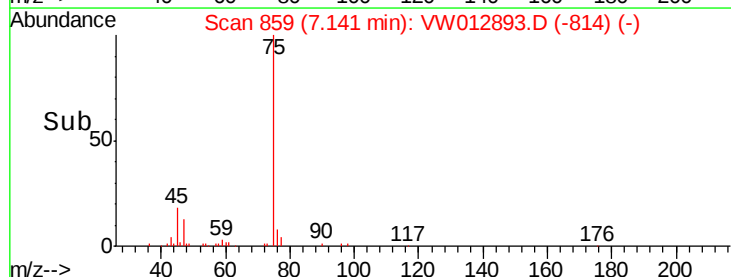
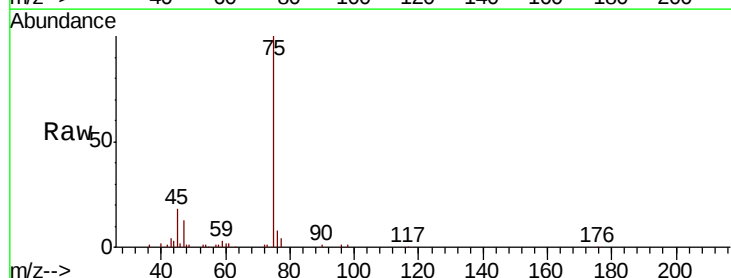
Acq: 11 Sep 2019 02:46

Tgt Ion: 43 Resp: 1746

Ion Ratio Lower Upper

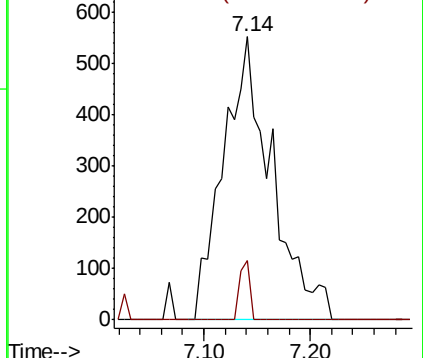
43 100

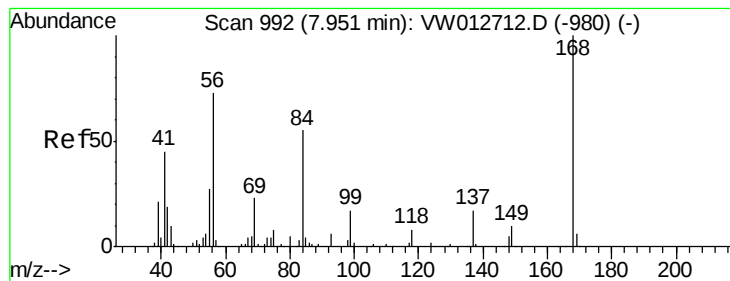
72 20.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

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ClientSampleId :

WS-SB06-4.75-5.0

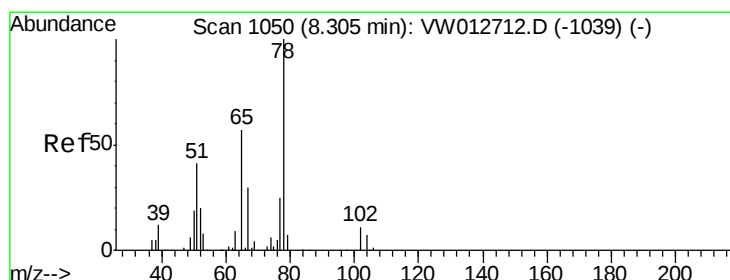
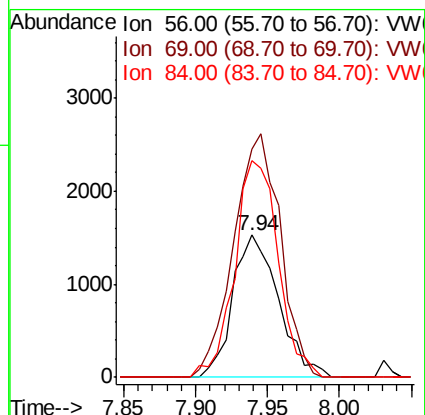
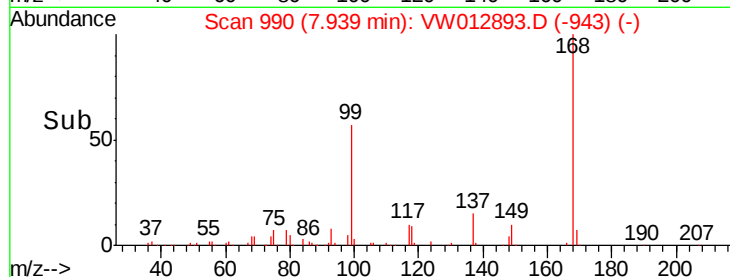
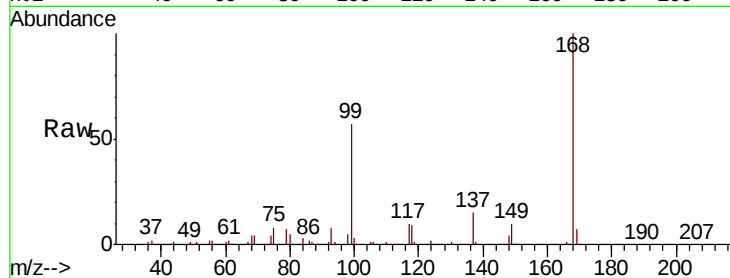
Tgt Ion: 56 Resp: 3383

Ion Ratio Lower Upper

56 100

69 160.8 25.7 38.5#

84 152.3 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012893.D

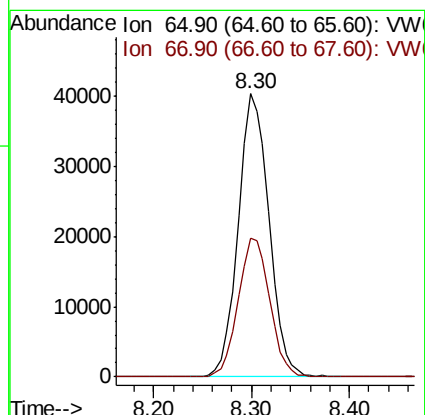
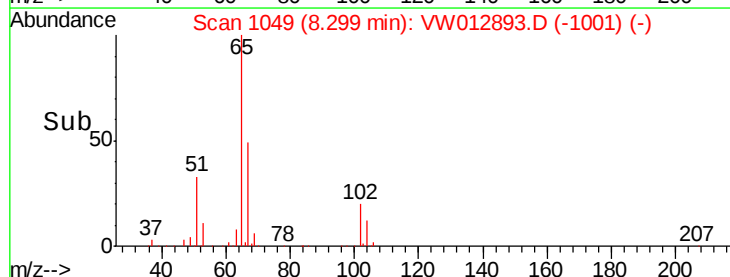
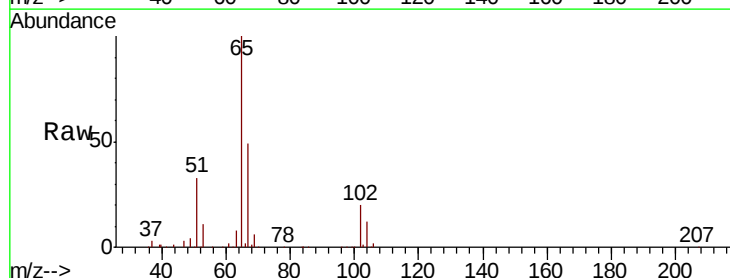
Acq: 11 Sep 2019 02:46

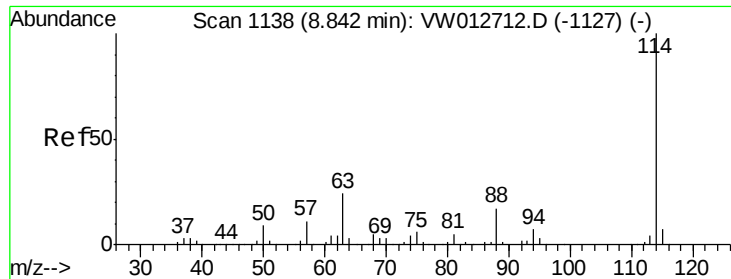
Tgt Ion: 65 Resp: 88233

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8

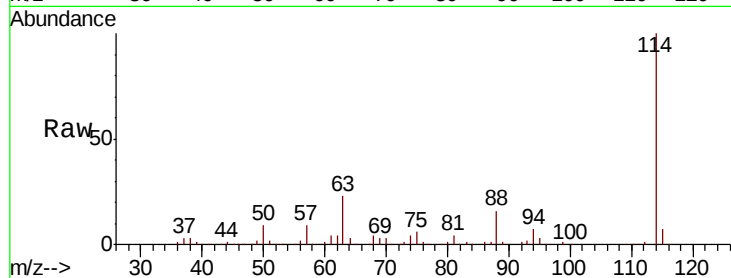




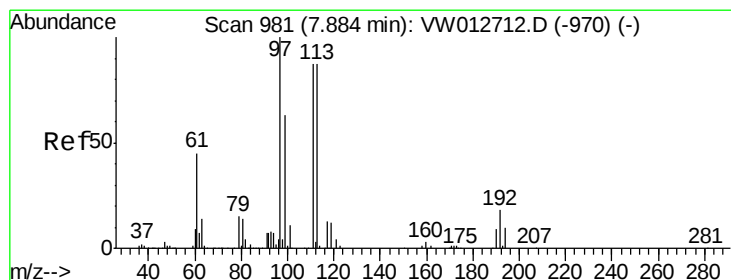
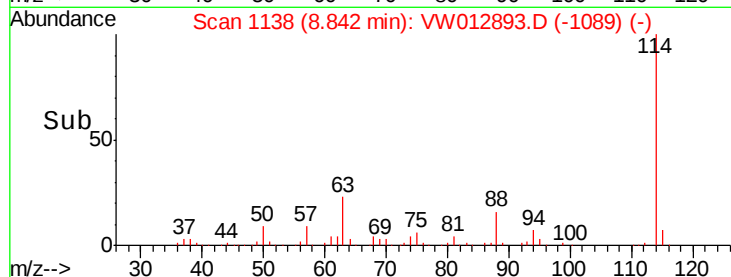
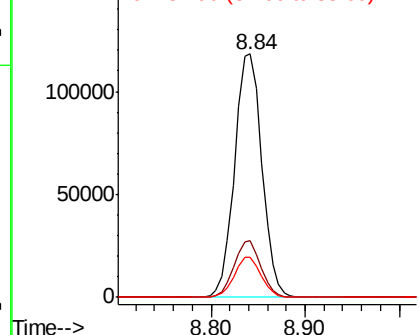
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012893.D
 Acq: 11 Sep 2019 02:46

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB06-4.75-5.0

Tgt Ion:114 Resp: 238645
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.3 0.0 34.0

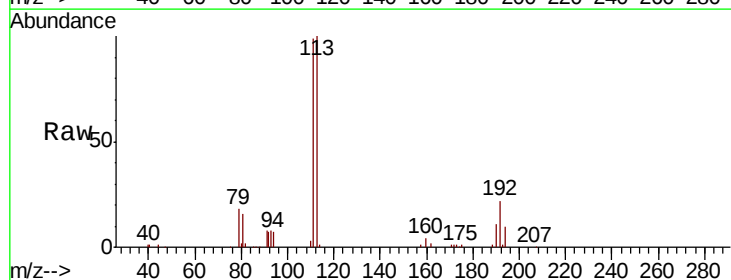


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

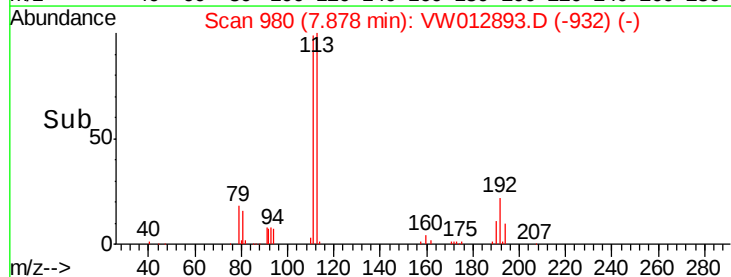
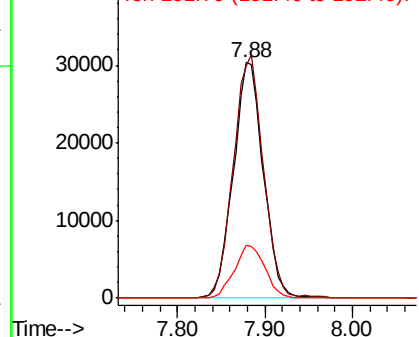


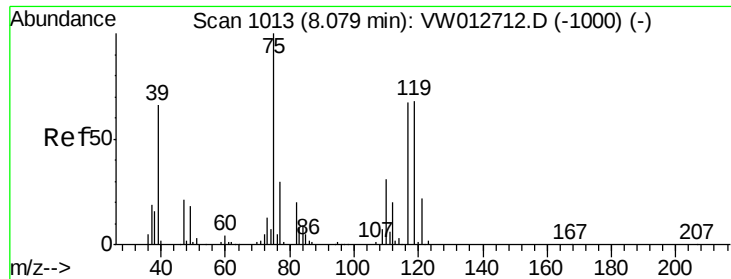
#35
 Dibromofluoromethane
 Concen: 50.985 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012893.D
 Acq: 11 Sep 2019 02:46

Tgt Ion:113 Resp: 72338
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.2 120.4
 192 22.7 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: 5.711 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

WS-SB06-4.75-5.0

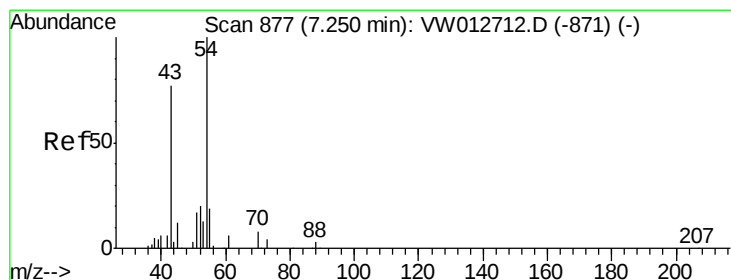
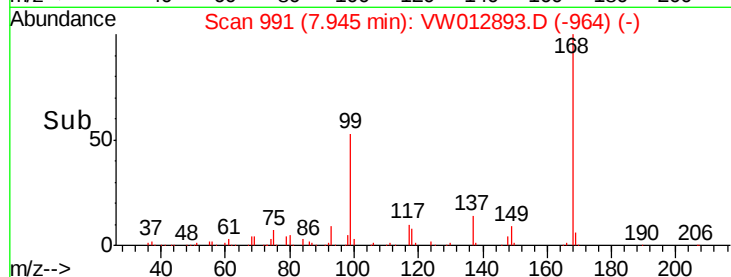
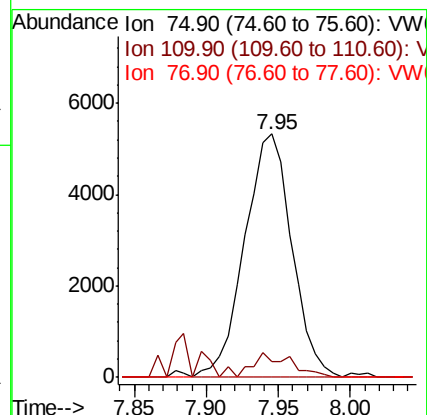
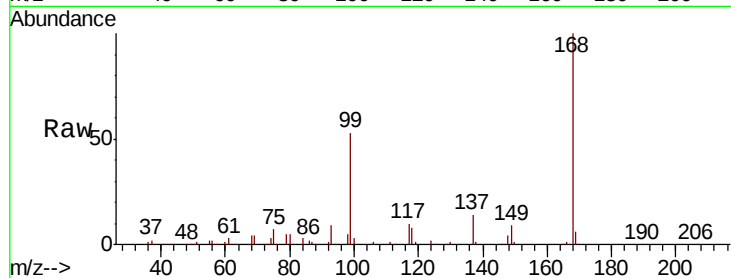
Tgt Ion: 75 Resp: 12109

Ion Ratio Lower Upper

75 100

110 7.9 15.9 47.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.292 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

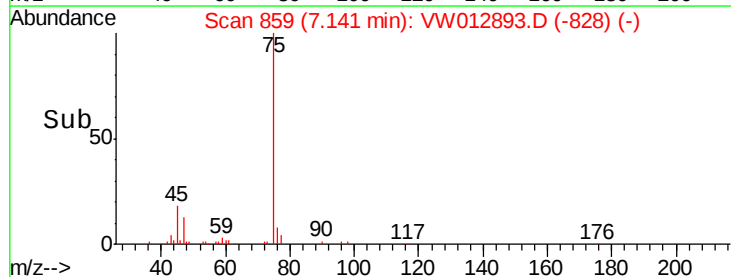
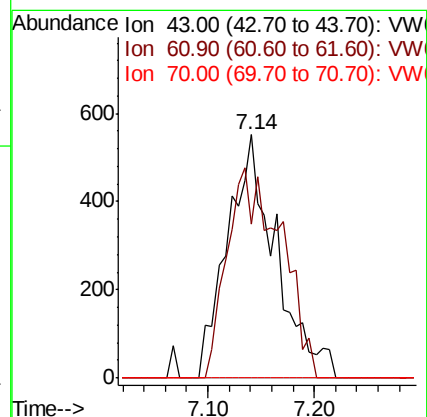
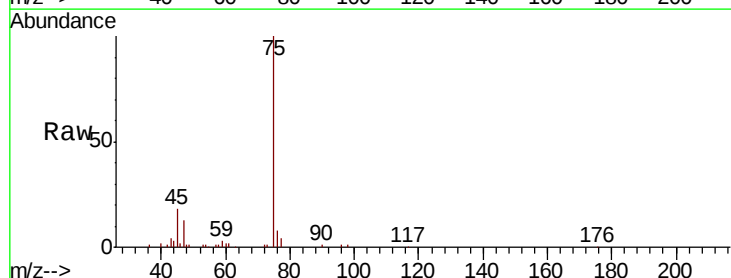
Tgt Ion: 43 Resp: 1746

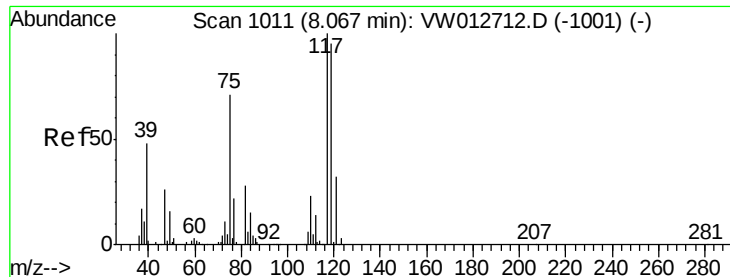
Ion Ratio Lower Upper

43 100

61 96.3 9.5 14.3#

70 0.0 7.0 10.6#

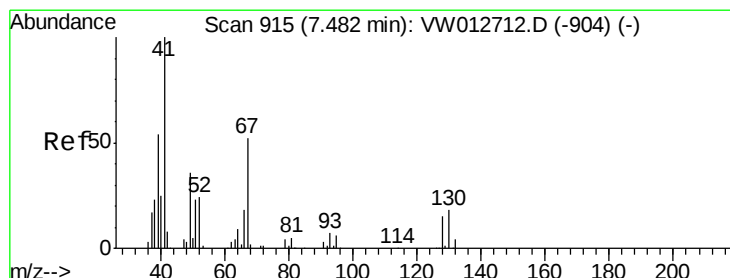
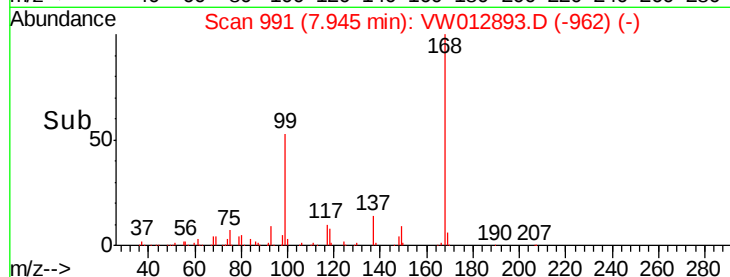
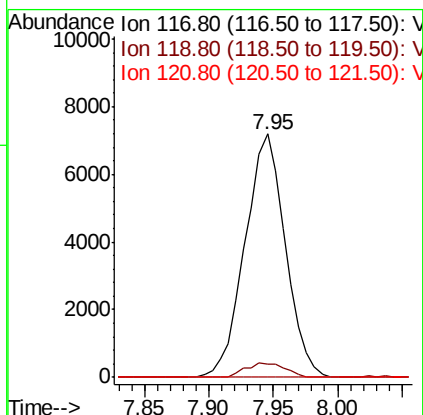
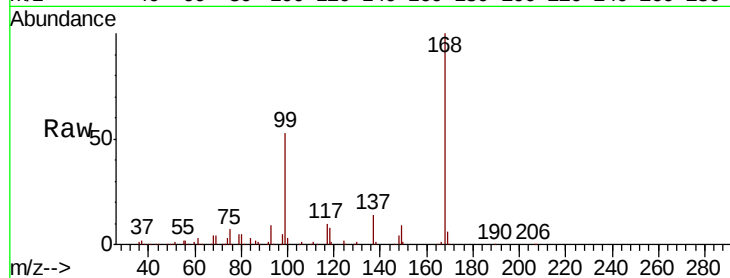




#38
Carbon Tetrachloride
Concen: 7.438 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012893.D
Acq: 11 Sep 2019 02:46

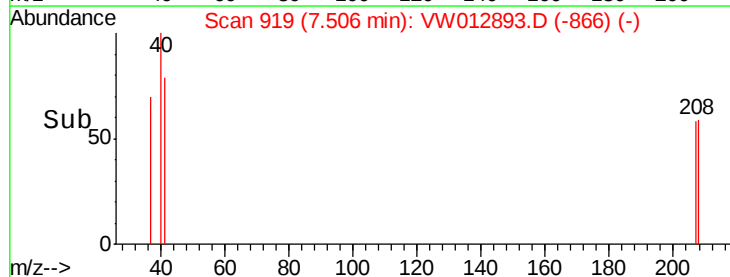
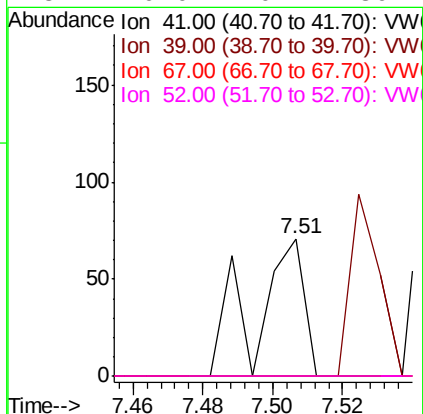
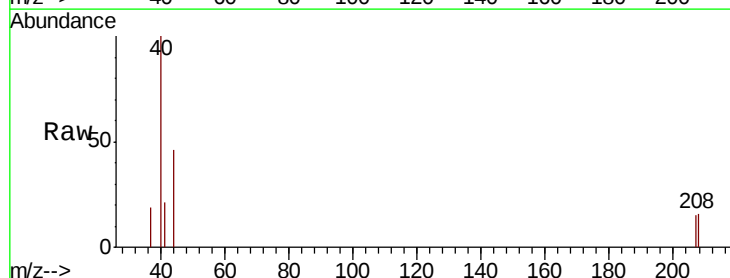
Instrument :
MSVOA_W
ClientSampleId :
WS-SB06-4.75-5.0

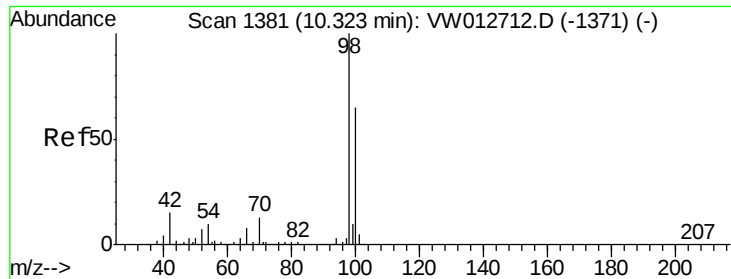
Tgt Ion: 117 Resp: 15547
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 3.907 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.02 min
Lab File: VW012893.D
Acq: 11 Sep 2019 02:46

Tgt Ion: 41 Resp: 68
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#





#50

Toluene-d8

Concen: 49.942 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

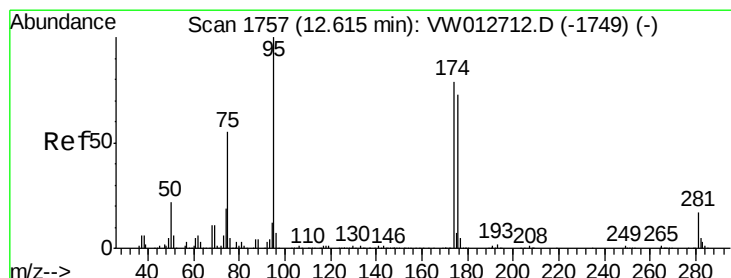
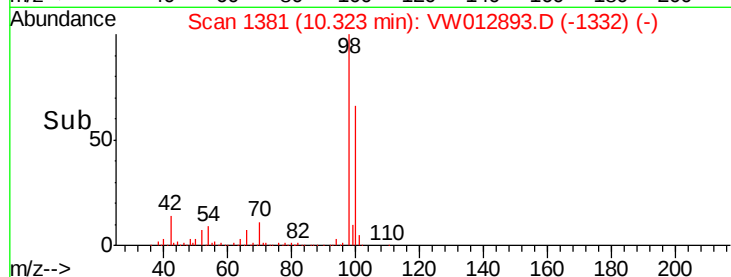
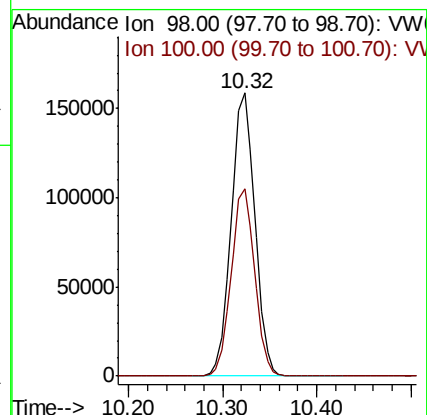
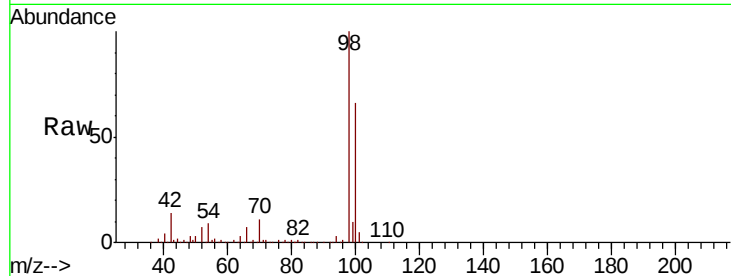
WS-SB06-4.75-5.0

Tgt Ion: 98 Resp: 277607

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 40.833 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

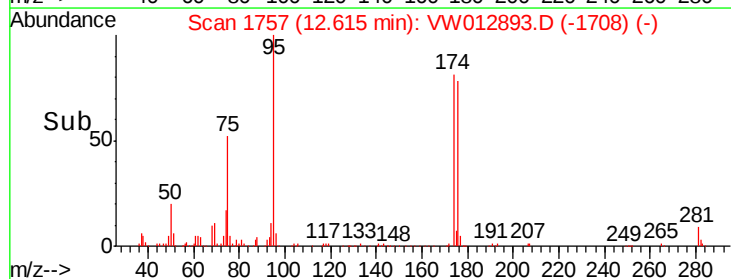
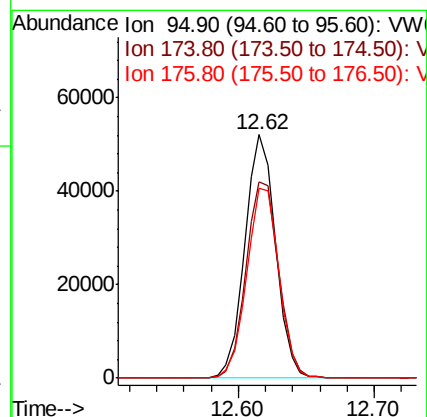
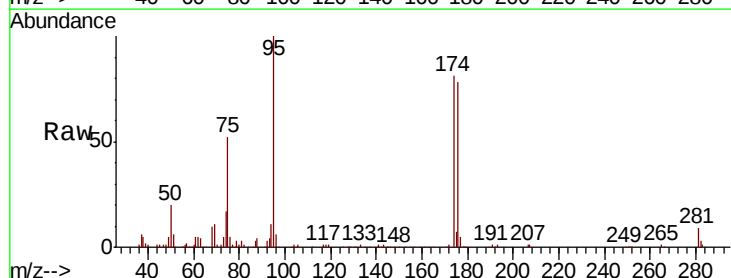
Tgt Ion: 95 Resp: 82398

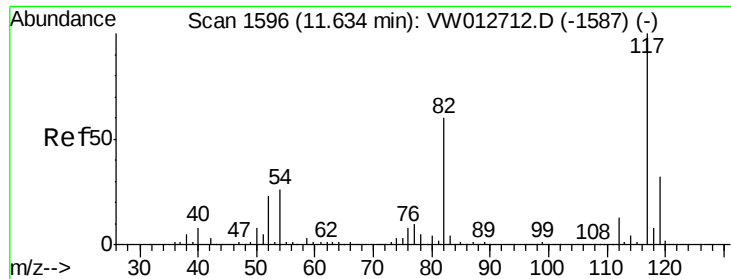
Ion Ratio Lower Upper

95 100

174 85.6 0.0 161.0

176 82.2 0.0 156.4

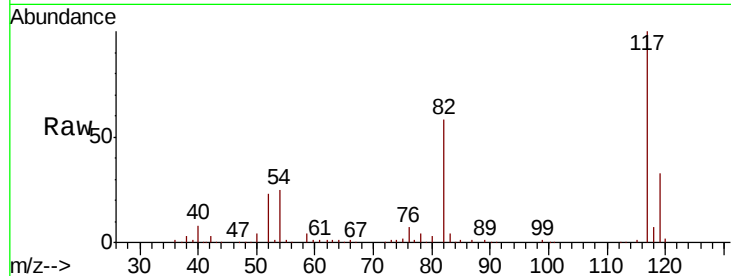




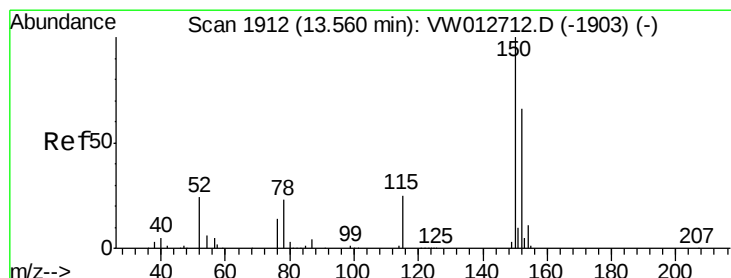
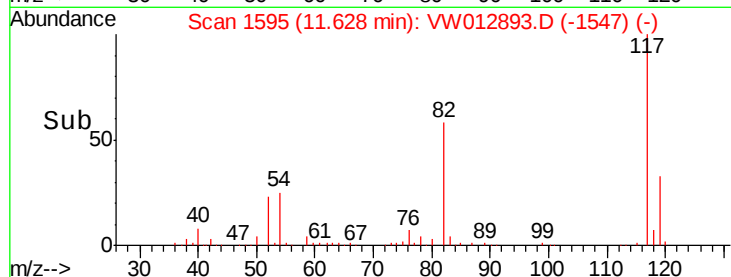
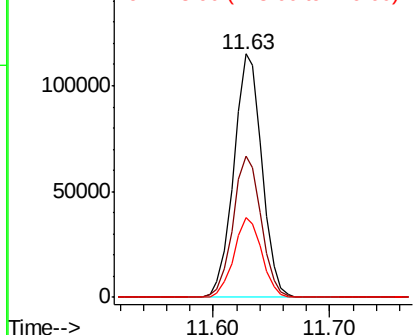
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012893.D
Acq: 11 Sep 2019 02:46

Instrument :
MSVOA_W
ClientSampleId :
WS-SB06-4.75-5.0

Tgt Ion:117 Resp: 193389
Ion Ratio Lower Upper
117 100
82 58.0 48.2 72.4
119 33.0 25.8 38.6

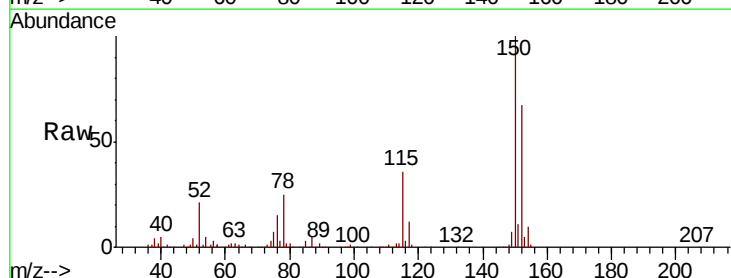


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

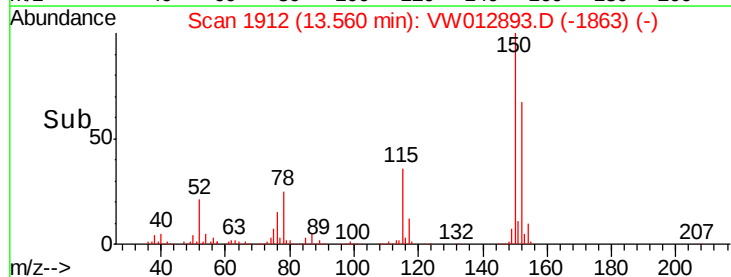
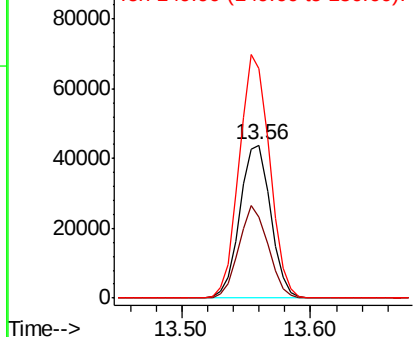


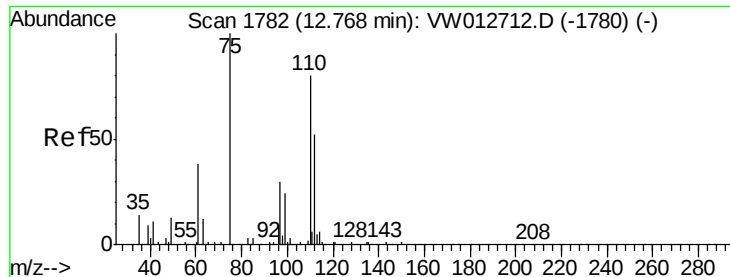
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012893.D
Acq: 11 Sep 2019 02:46

Tgt Ion:152 Resp: 72221
Ion Ratio Lower Upper
152 100
115 57.8 30.0 90.1
150 157.4 0.0 349.0



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





#76

1,2,3-Trichloropropane

Concen: 58.554 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

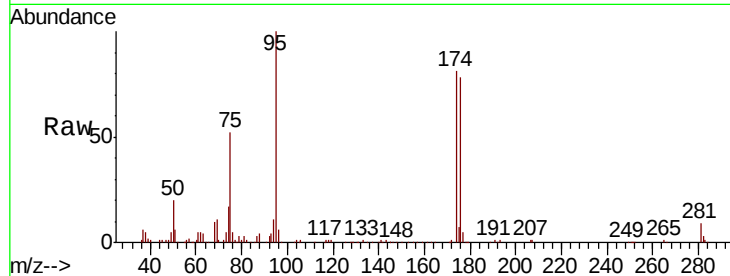
WS-SB06-4.75-5.0

Tgt Ion: 75 Resp: 43242

Ion Ratio Lower Upper

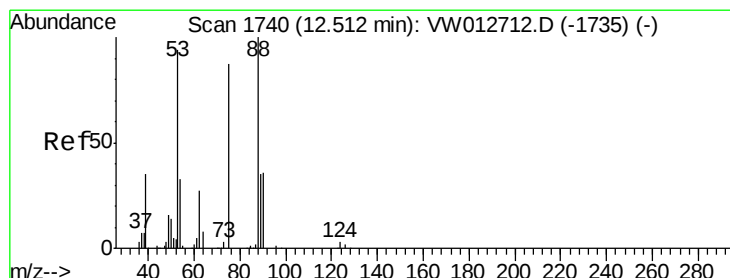
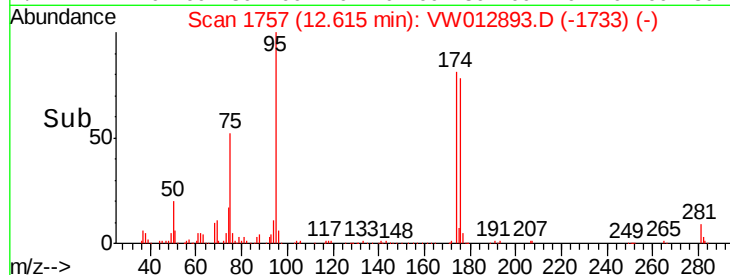
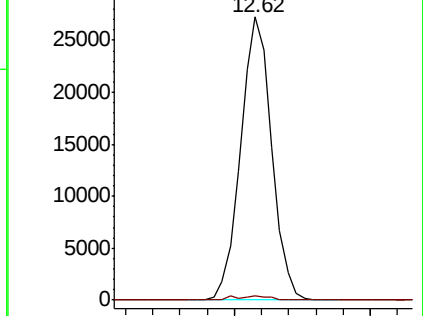
75 100

77 1.7 0.0 0.0#



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: 123.847 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012893.D

Acq: 11 Sep 2019 02:46

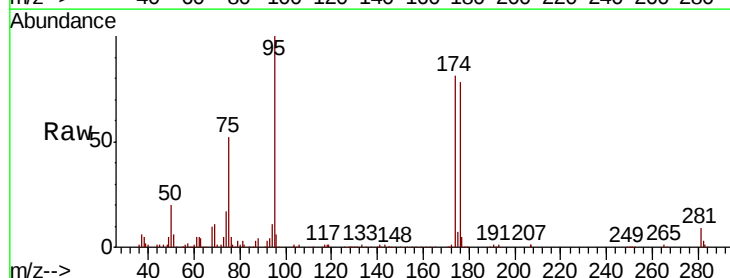
Tgt Ion: 75 Resp: 43242

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

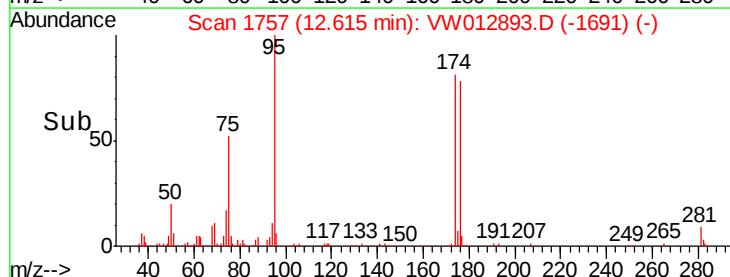
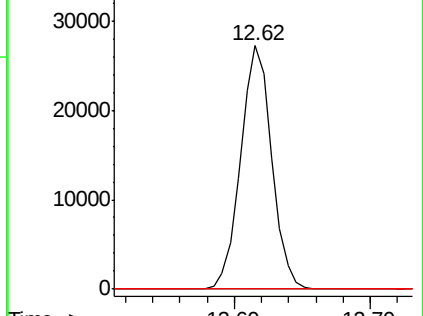
89 0.1 35.5 53.3#

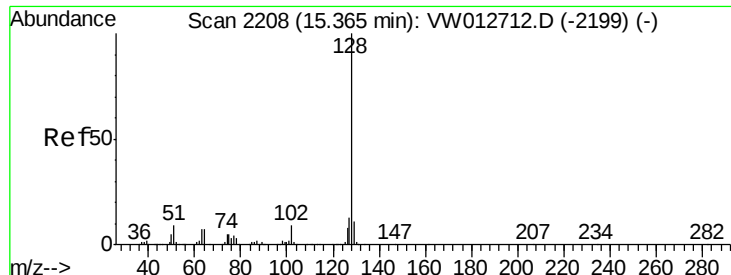


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.452 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012893.D

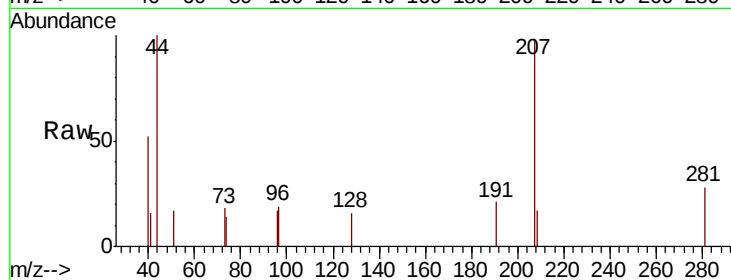
Acq: 11 Sep 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

WS-SB06-4.75-5.0



Tgt Ion:	128	Resp:	44
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

