

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012912.D
 Acq On : 11 Sep 2019 12:58
 Operator : SY/VA
 Sample : K4692-13
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

Quant Time: Sep 11 13:27:16 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

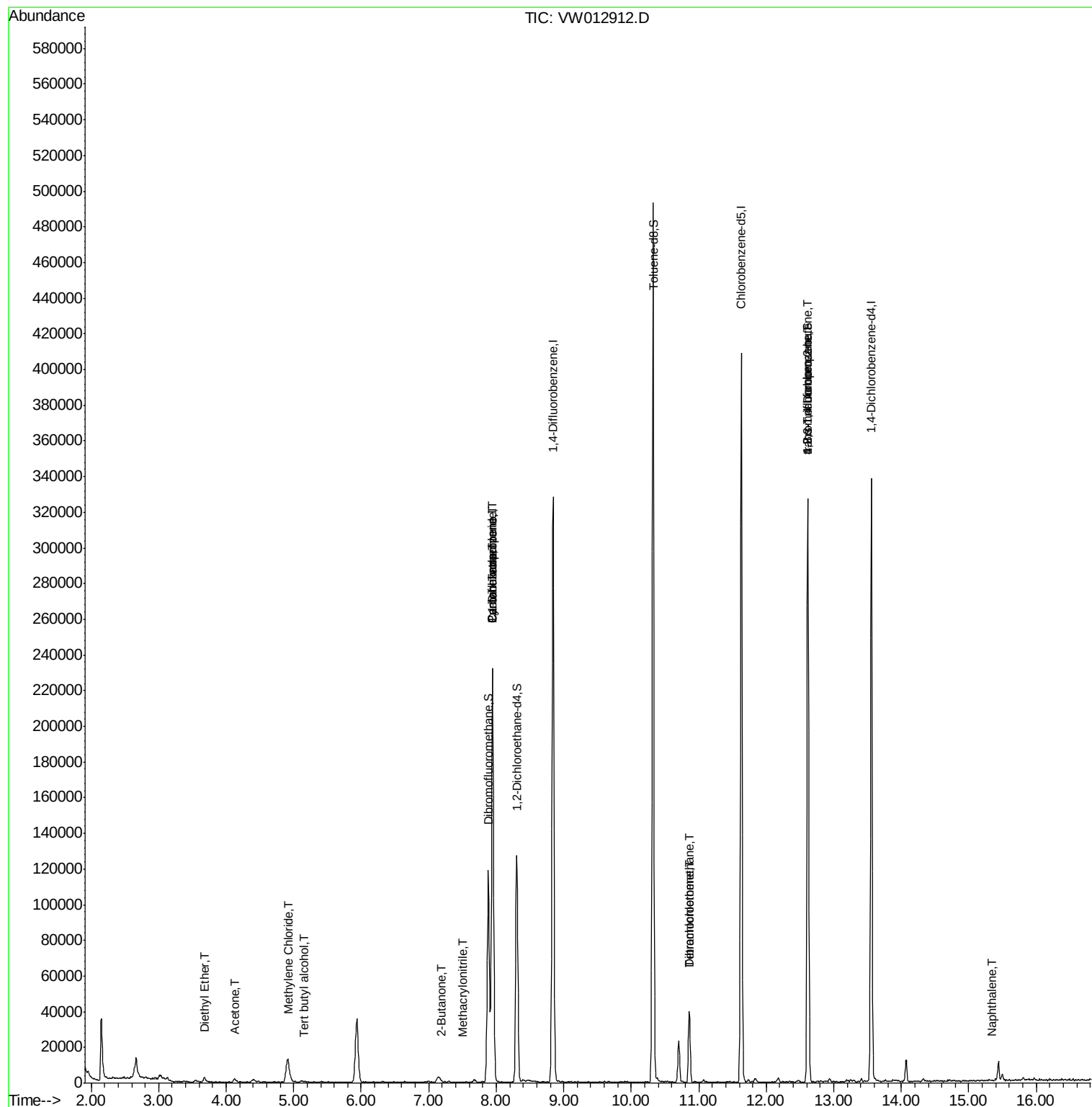
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	263452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	220175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89689	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	106429	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
35) Dibromofluoromethane	7.88	113	81271	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
50) Toluene-d8	10.32	98	311118	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.62	95	97218	43.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.28%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1260	1.540	ug/l	96
11) Tert butyl alcohol	5.15	59	696	4.661	ug/l #	72
16) Acetone	4.13	43	3576	6.721	ug/l #	86
20) Methylene Chloride	4.92	84	10020	6.020	ug/l	89
25) 2-Butanone	7.19	43	96	19.793	ug/l #	53
31) Cyclohexane	7.95	56	3835	1.337	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13449	5.745	ug/l #	52
38) Carbon Tetrachloride	7.95	117	17154	7.434	ug/l #	17
41) Methacrylonitrile	7.51	41	85	3.916	ug/l #	27
60) Dibromochloromethane	10.86	129	7991	5.321	ug/l #	11
64) Tetrachloroethene	10.86	164	9596	7.183	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	51497	56.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51497	118.764	ug/l #	7
95) Naphthalene	15.35	128	74	4.457	ug/l #	69

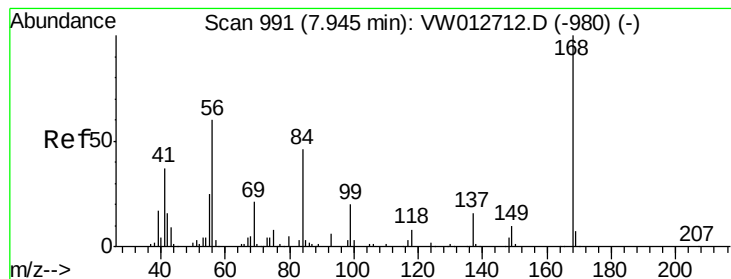
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
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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: VW012912.D

Acq: 11 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

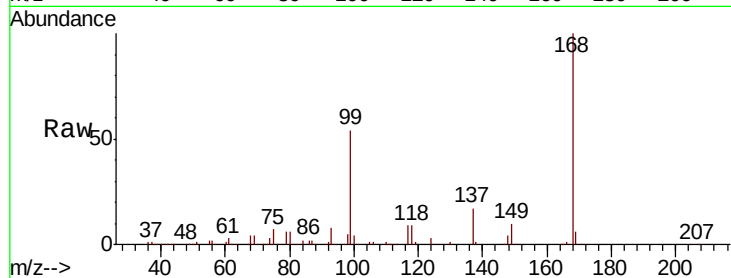
SB-26-7.5-8.0

Tgt Ion:168 Resp: 174665

Ion Ratio Lower Upper

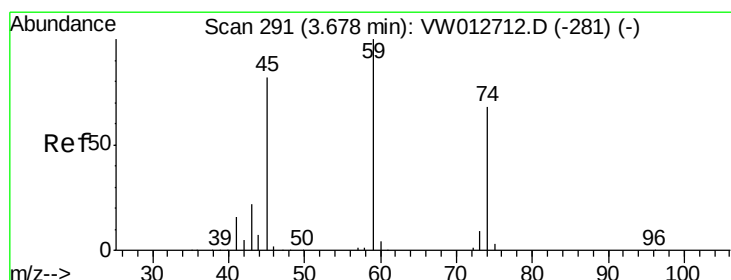
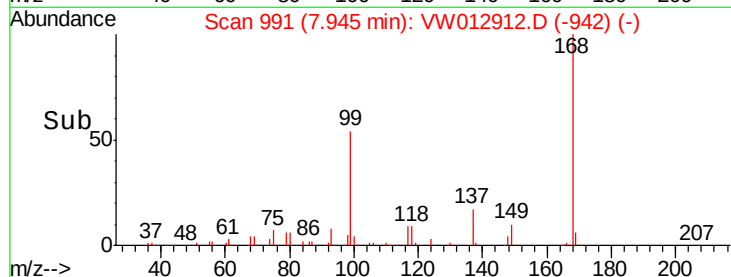
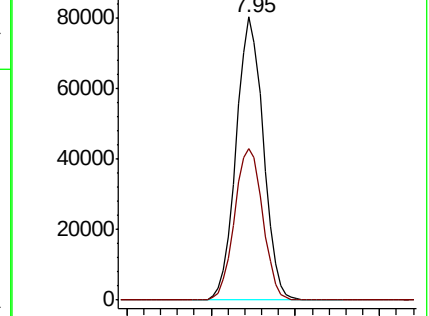
168 100

99 53.7 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: 1.540 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012912.D

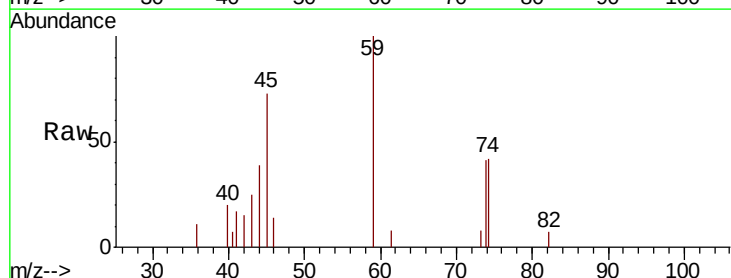
Acq: 11 Sep 2019 12:58

Tgt Ion: 74 Resp: 1260

Ion Ratio Lower Upper

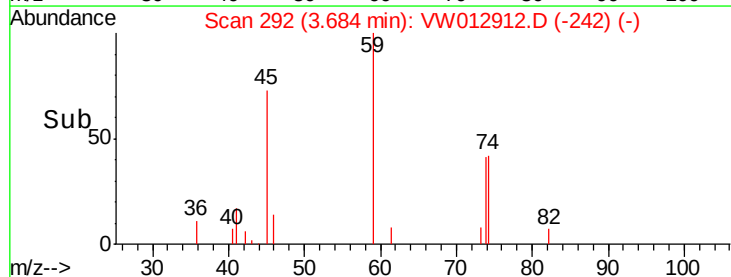
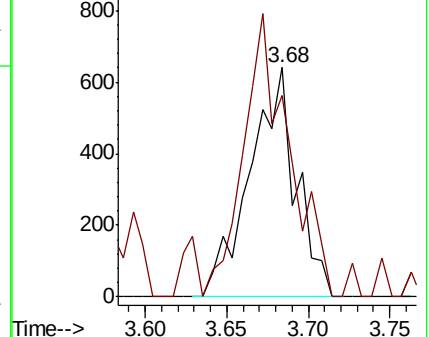
74 100

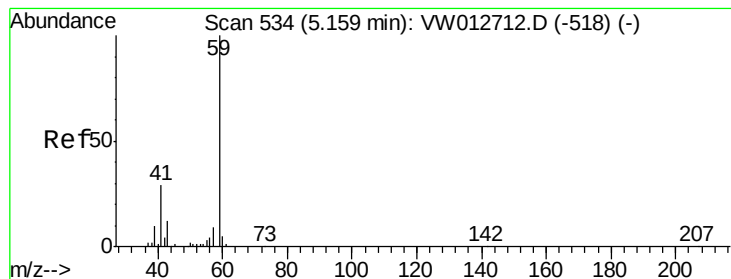
45 121.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 4.661 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampled :

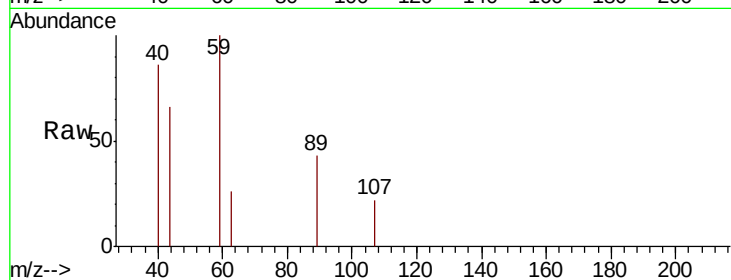
SB-26-7.5-8.0

Tgt Ion: 59 Resp: 696

Ion Ratio Lower Upper

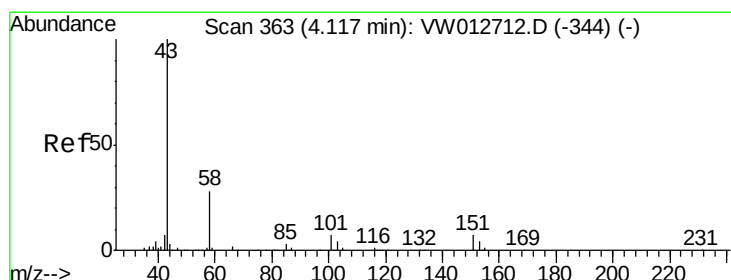
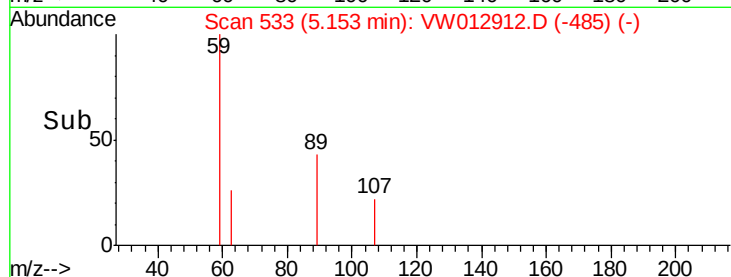
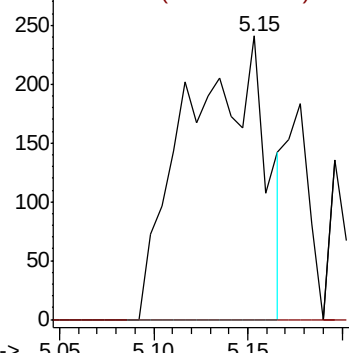
59 100

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



#16

Acetone

Concen: 6.721 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012912.D

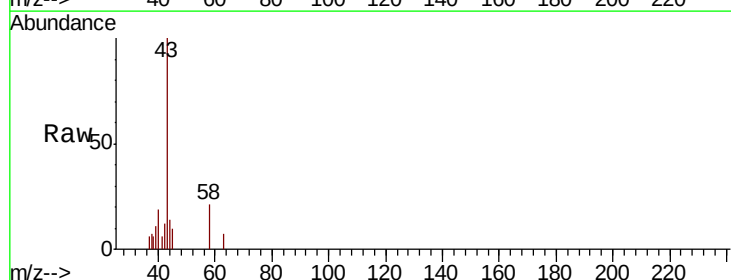
Acq: 11 Sep 2019 12:58

Tgt Ion: 43 Resp: 3576

Ion Ratio Lower Upper

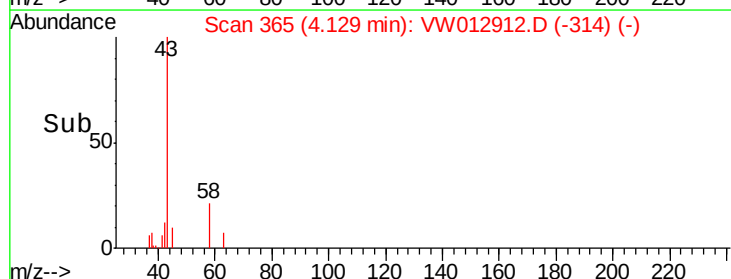
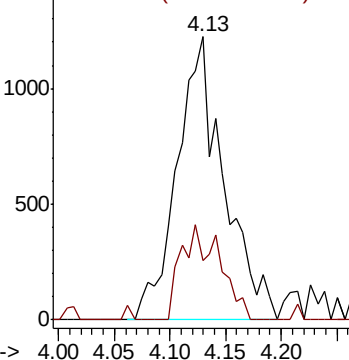
43 100

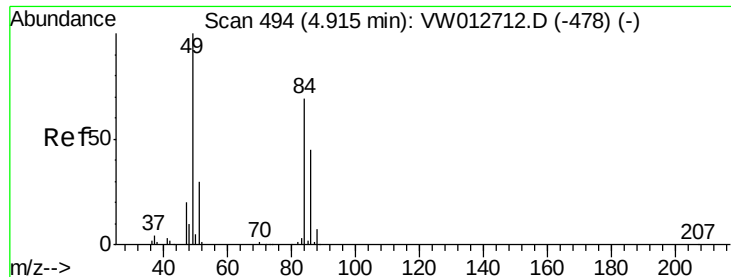
58 21.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

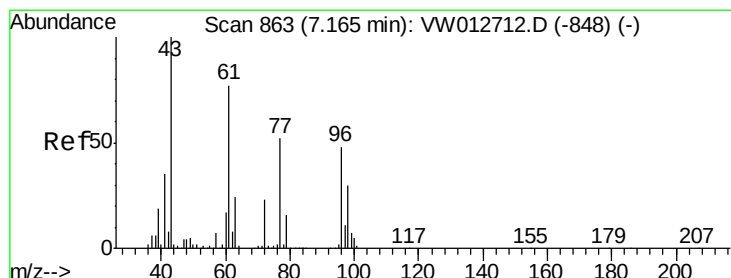
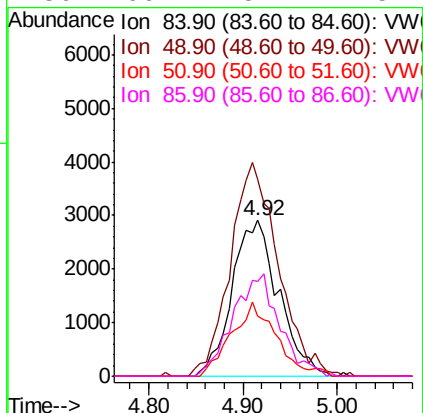
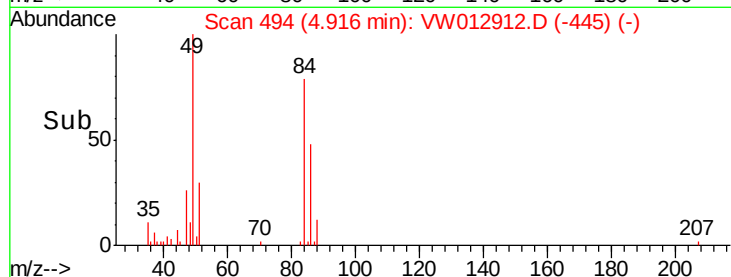
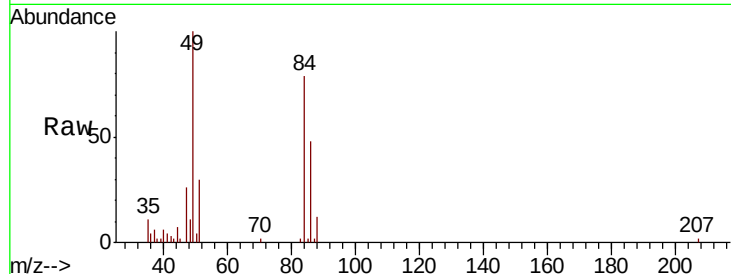




#20
Methylene Chloride
Concen: 6.020 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

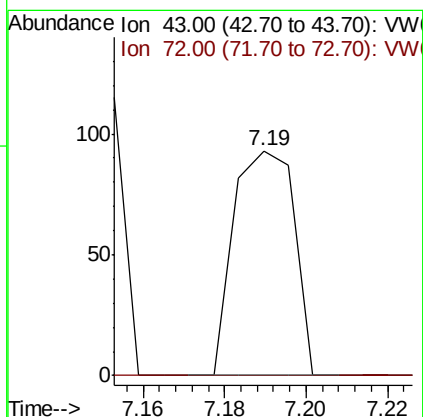
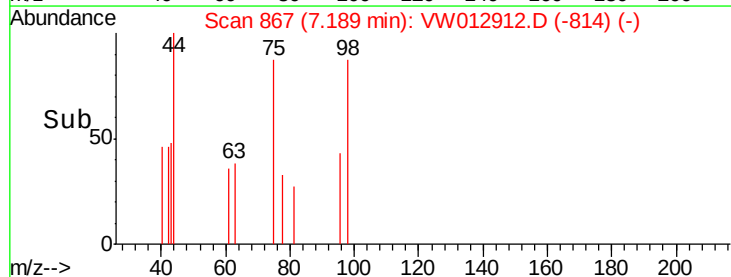
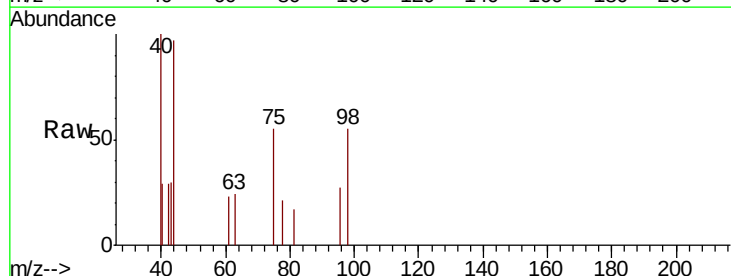
Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

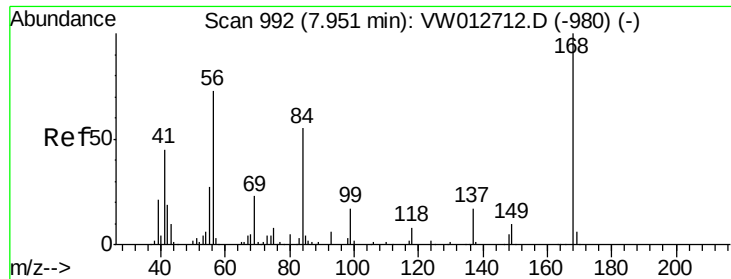
Tgt Ion:	84	Resp:	10020
Ion	Ratio	Lower	Upper
84	100		
49	126.6	115.4	173.0
51	38.3	34.9	52.3
86	60.4	52.2	78.4



#25
2-Butanone
Concen: 19.793 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

Tgt Ion:	43	Resp:	96
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#

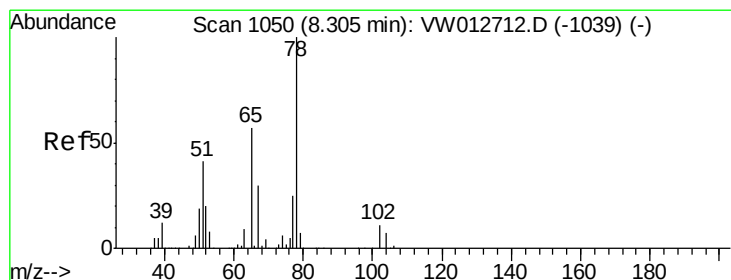
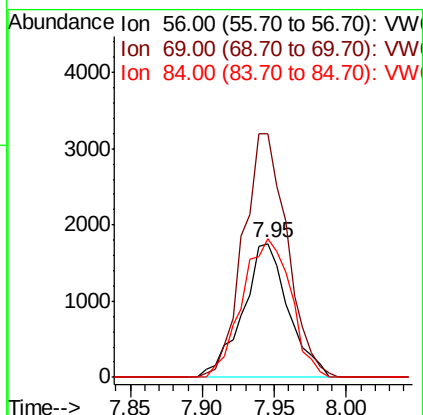
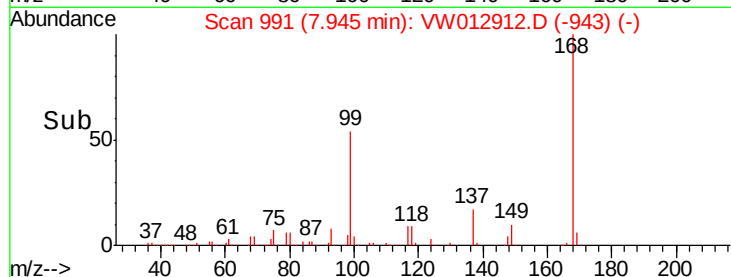
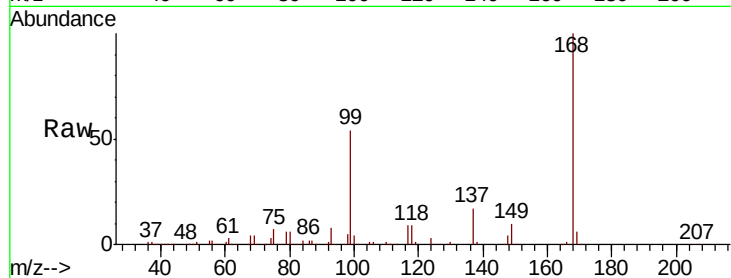




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

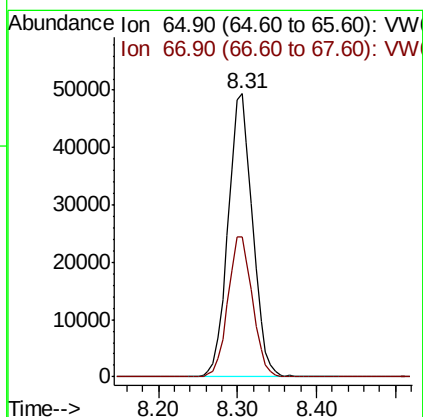
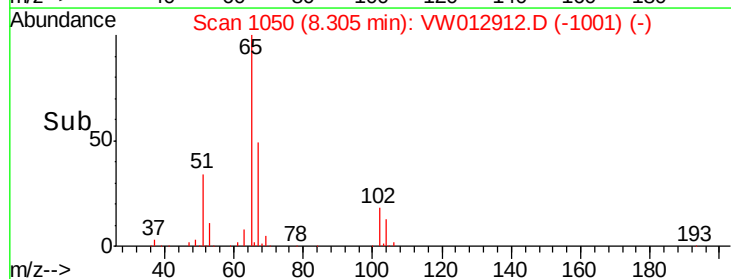
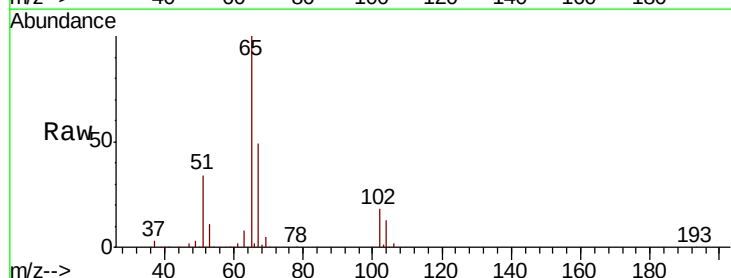
Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

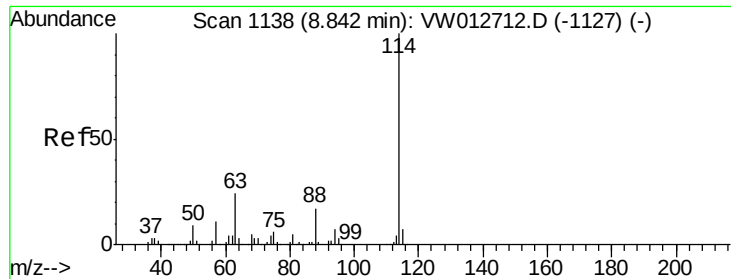
Tgt Ion: 56 Resp: 3835
Ion Ratio Lower Upper
56 100
69 182.0 25.7 38.5#
84 104.2 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 54.535 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

Tgt Ion: 65 Resp: 106429
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8

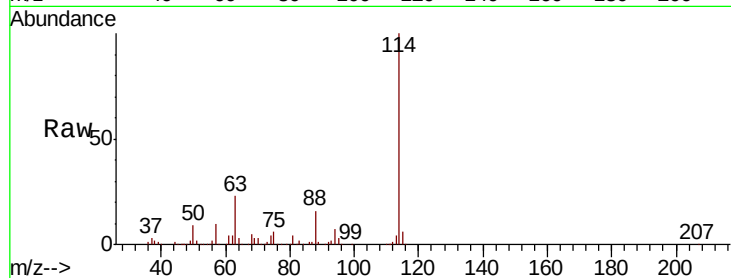




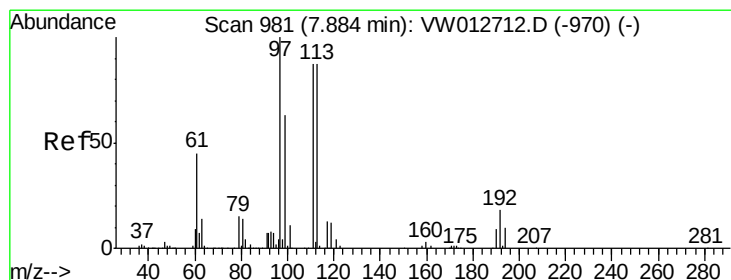
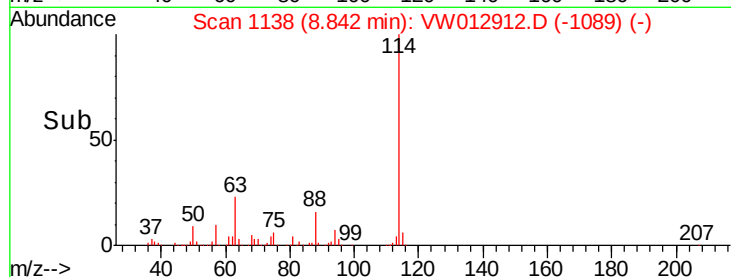
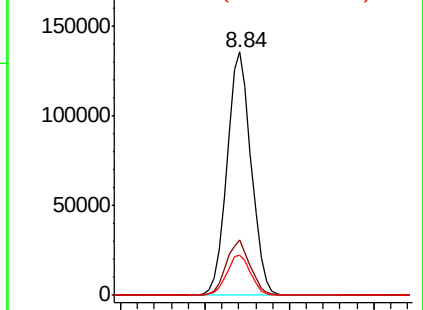
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	47.2
88	16.3	0.0	34.0

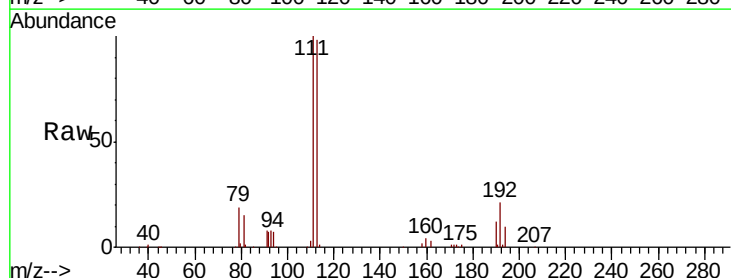


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

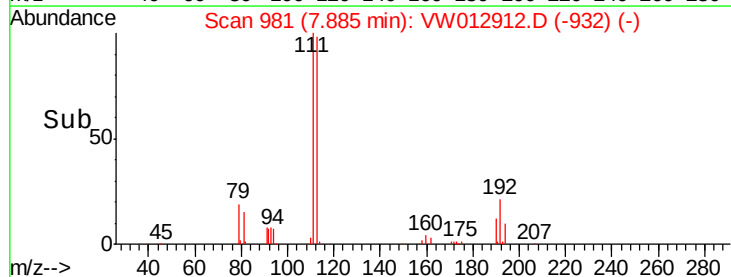
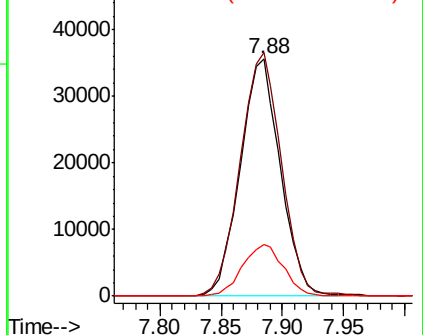


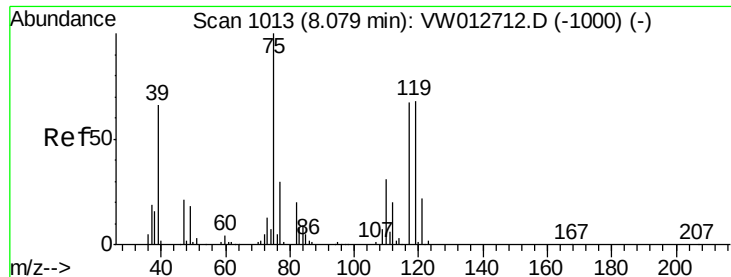
#35
 Dibromofluoromethane
 Concen: 51.887 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	80.2	120.4
192	22.4	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: 5.745 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

SB-26-7.5-8.0

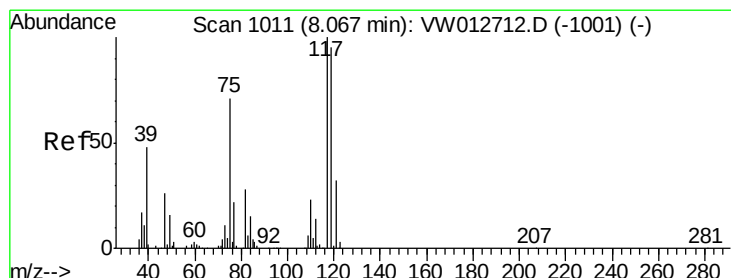
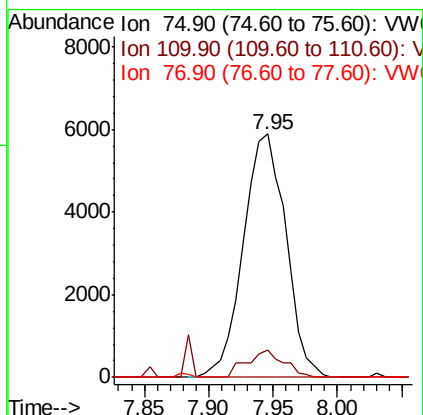
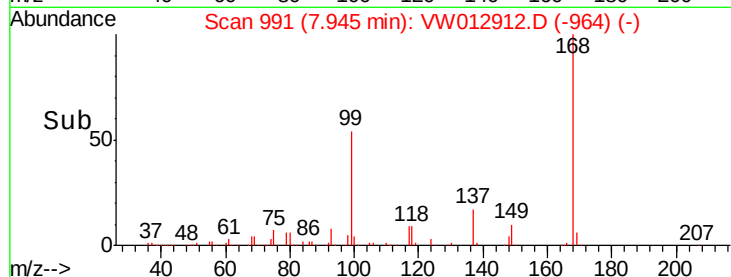
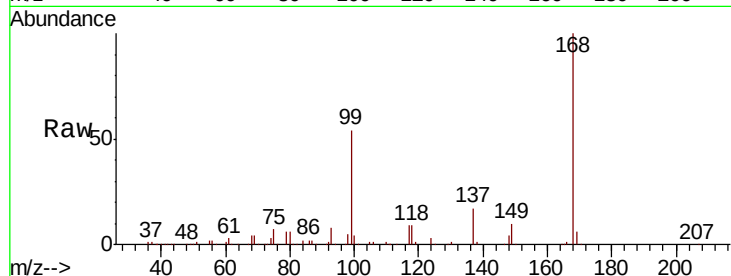
Tgt Ion: 75 Resp: 13449

Ion Ratio Lower Upper

75 100

110 9.9 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.434 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

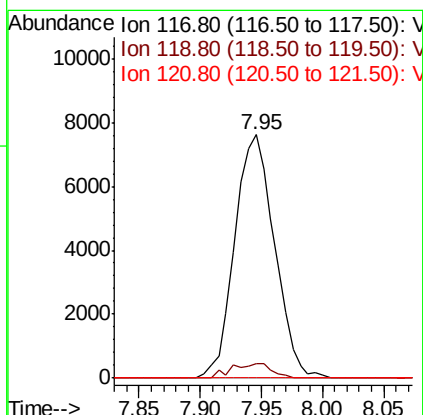
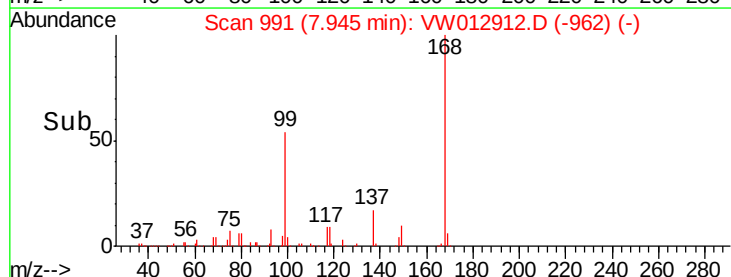
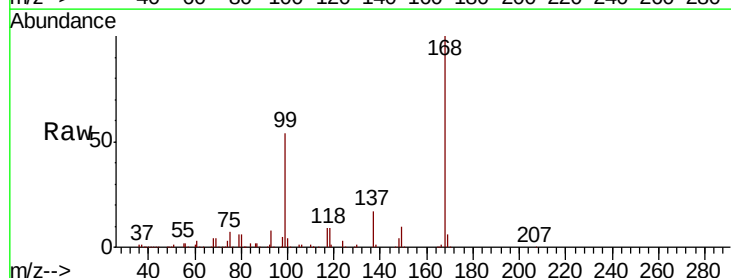
Tgt Ion: 117 Resp: 17154

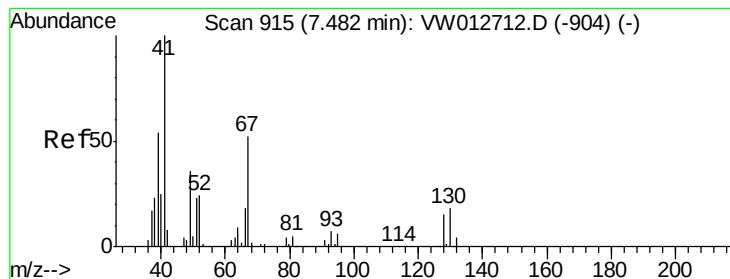
Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.916 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.02 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

SB-26-7.5-8.0

Tgt Ion: 41 Resp: 85

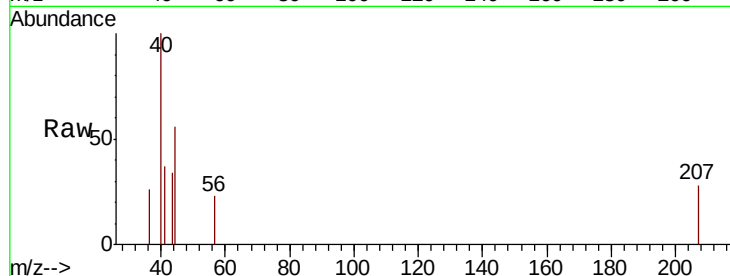
Ion Ratio Lower Upper

41 100

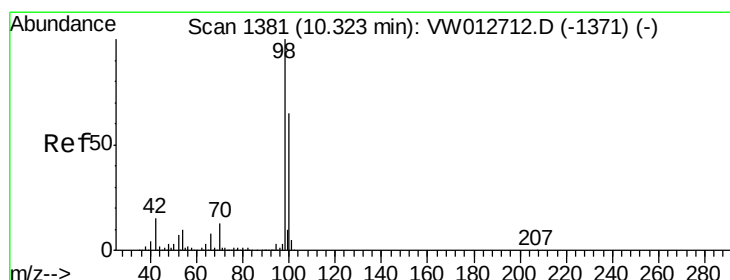
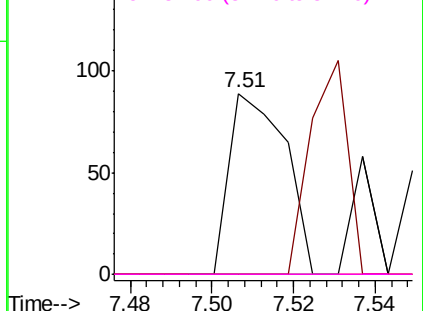
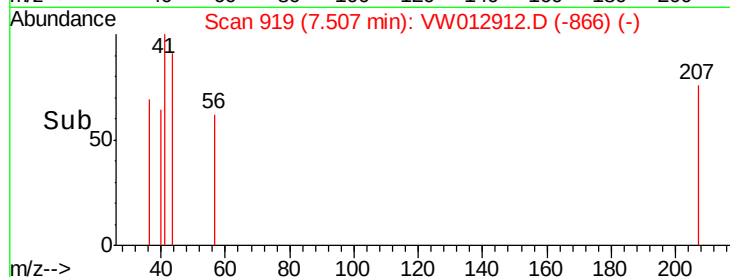
39 0.0 47.5 71.3#

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



#50

Toluene-d8

Concen: 50.701 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012912.D

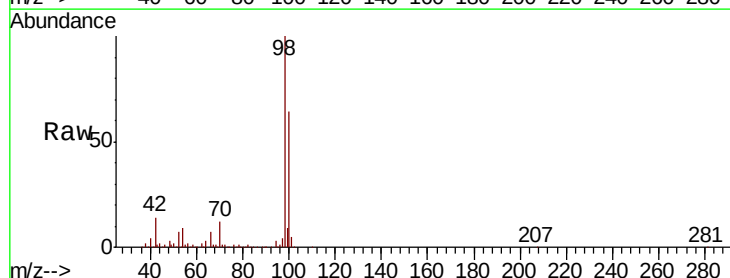
Acq: 11 Sep 2019 12:58

Tgt Ion: 98 Resp: 311118

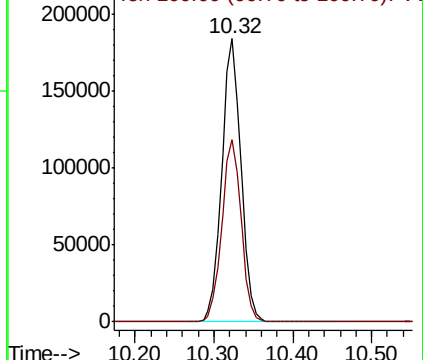
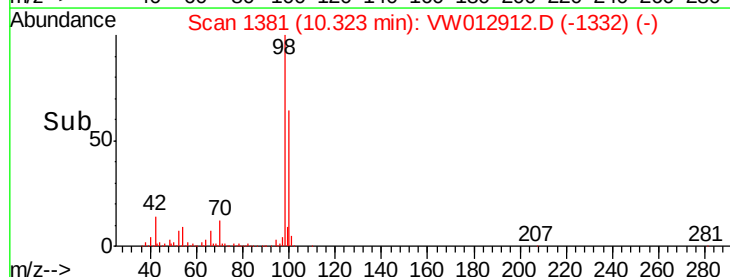
Ion Ratio Lower Upper

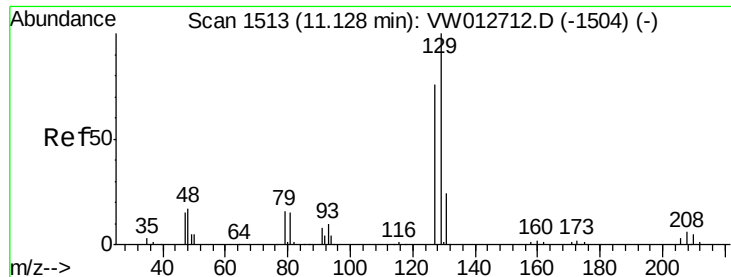
98 100

100 64.6 52.2 78.4



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

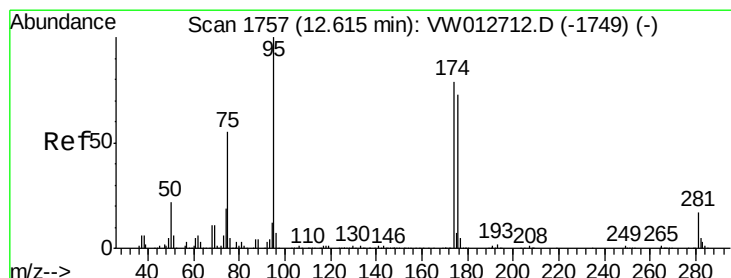
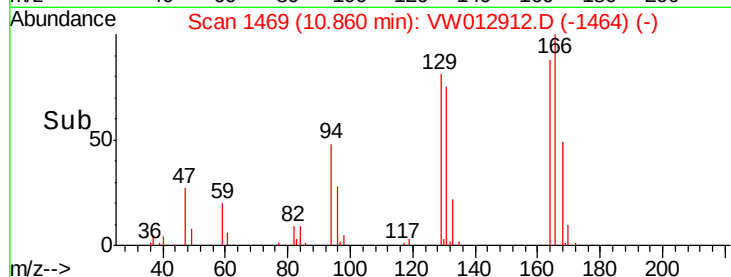
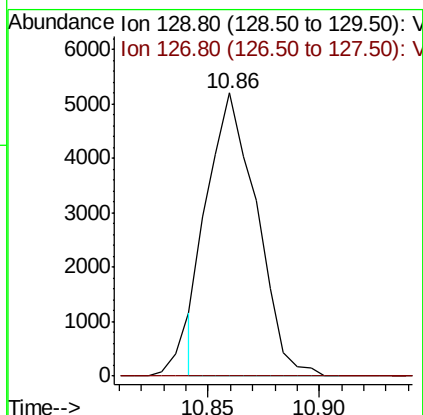
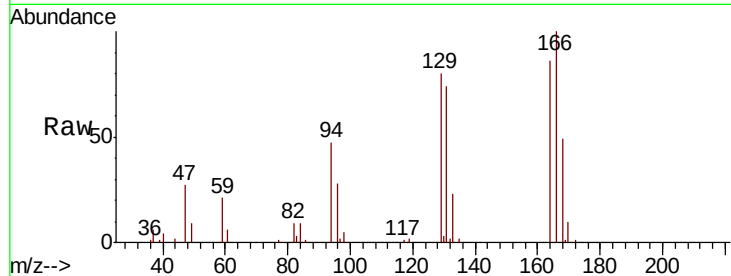




#60
 Dibromochloromethane
 Concen: 5.321 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

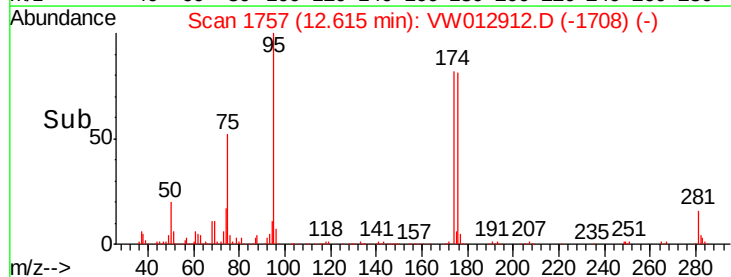
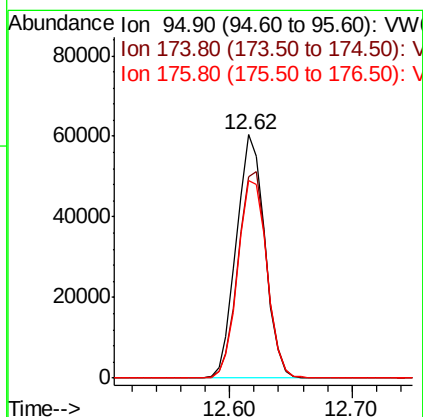
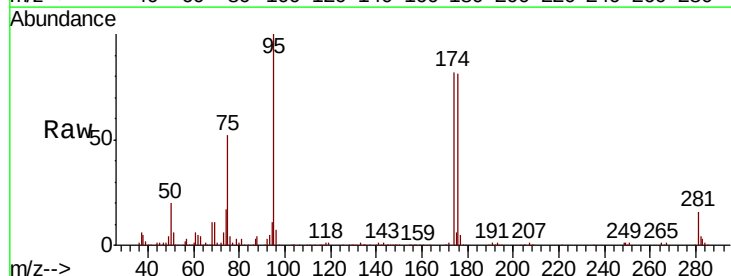
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

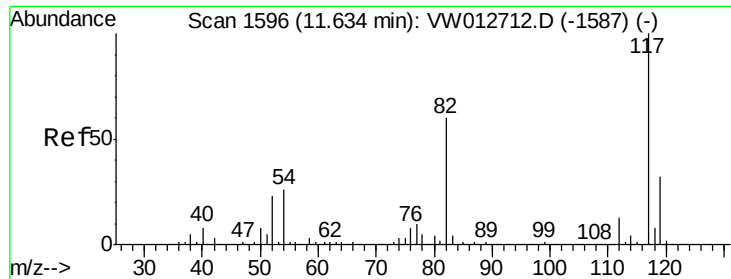
Tgt Ion: 129 Resp: 7991
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 43.641 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

Tgt Ion: 95 Resp: 97218
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 161.0
 176 83.0 0.0 156.4

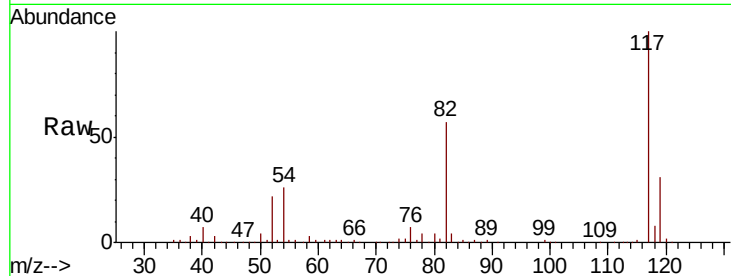




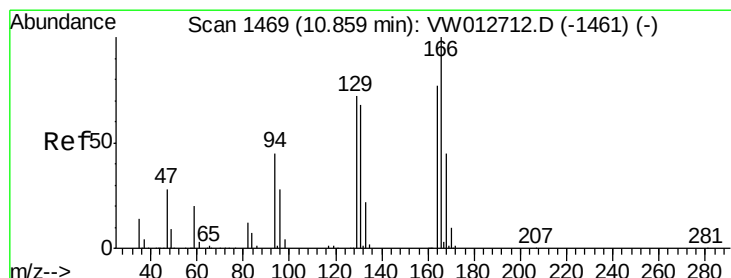
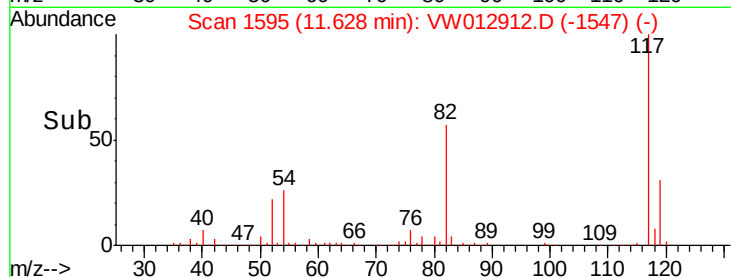
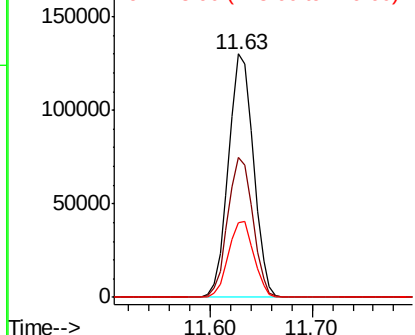
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

Tgt Ion:117 Resp: 220175
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 30.9 25.8 38.6

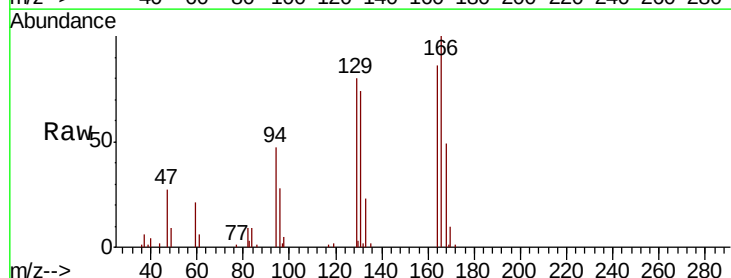


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

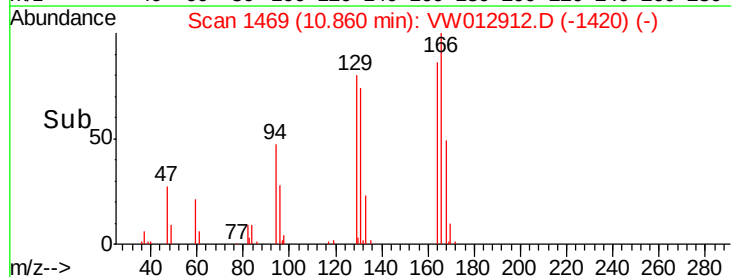
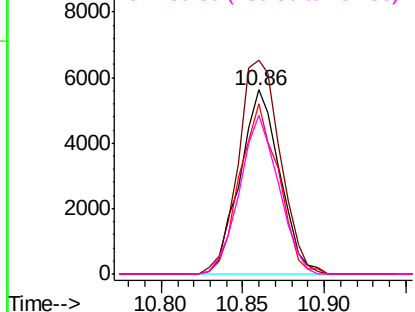


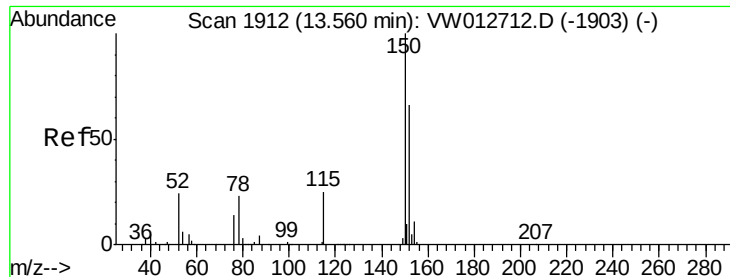
#64
Tetrachloroethene
Concen: 7.183 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012912.D
Acq: 11 Sep 2019 12:58

Tgt Ion:164 Resp: 9596
Ion Ratio Lower Upper
164 100
166 116.2 103.6 155.4
129 92.5 74.6 112.0
131 86.2 70.6 106.0



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

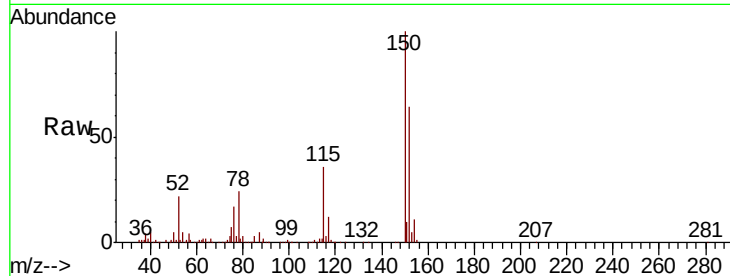




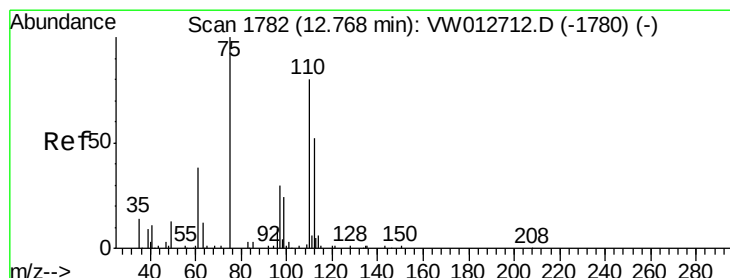
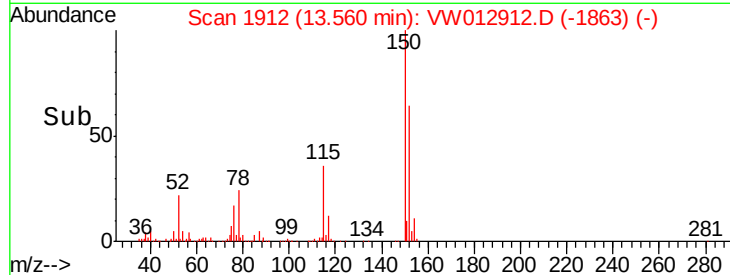
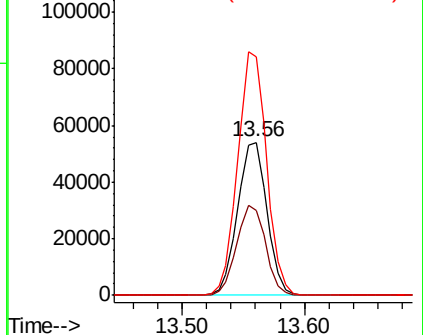
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

Tgt Ion:152 Resp: 89689
 Ion Ratio Lower Upper
 152 100
 115 57.9 30.0 90.1
 150 156.5 0.0 349.0

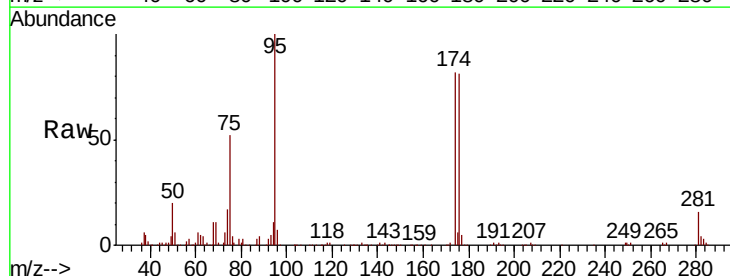


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

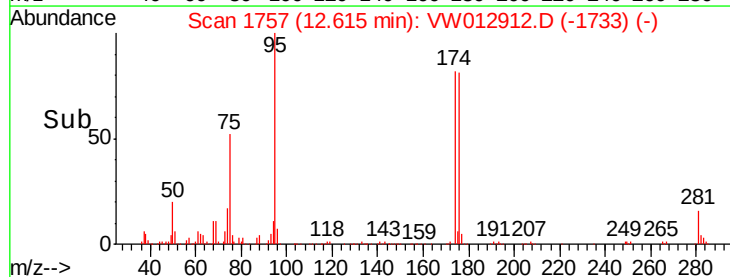
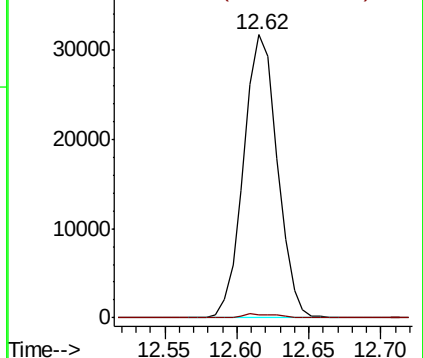


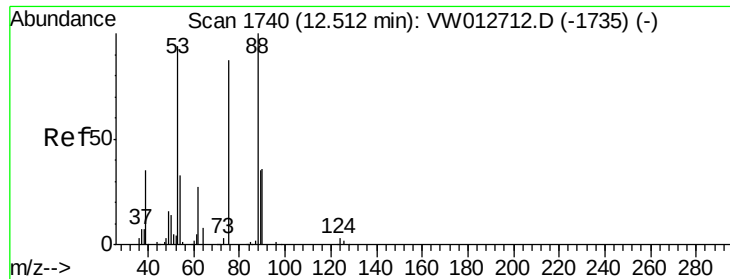
#76
 1,2,3-Trichloropropane
 Concen: 56.151 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012912.D
 Acq: 11 Sep 2019 12:58

Tgt Ion: 75 Resp: 51497
 Ion Ratio Lower Upper
 75 100
 77 1.5 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: 118.764 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

Instrument :

MSVOA_W

ClientSampleId :

SB-26-7.5-8.0

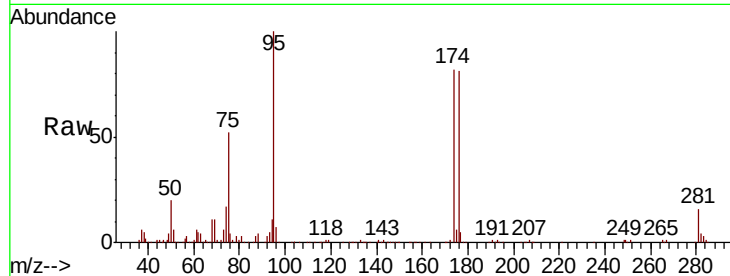
Tgt Ion: 75 Resp: 51497

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

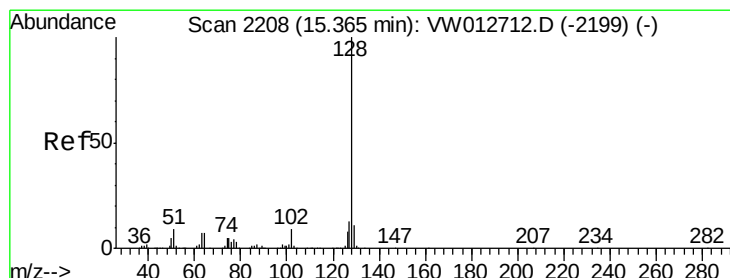
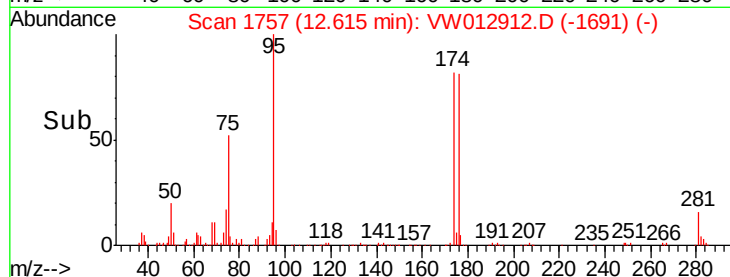
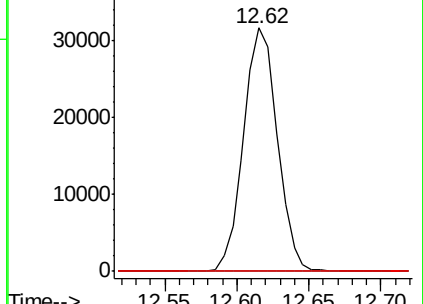
89 0.1 35.5 53.3#



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: 4.457 ug/l

RT: 15.35 min Scan# 2205

Delta R.T. -0.02 min

Lab File: VW012912.D

Acq: 11 Sep 2019 12:58

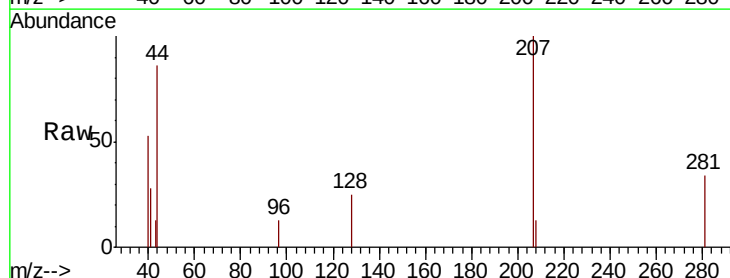
Tgt Ion: 128 Resp: 74

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

