

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013678.D
 Acq On : 23 Oct 2019 20:08
 Operator : SY/VA
 Sample : K5512-01
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 07:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	57409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	81628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	67579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	20757	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	23562	54.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.42%	
35) Dibromofluoromethane	7.88	113	24676	54.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	91273	49.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.62	95	24597	39.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.60%	

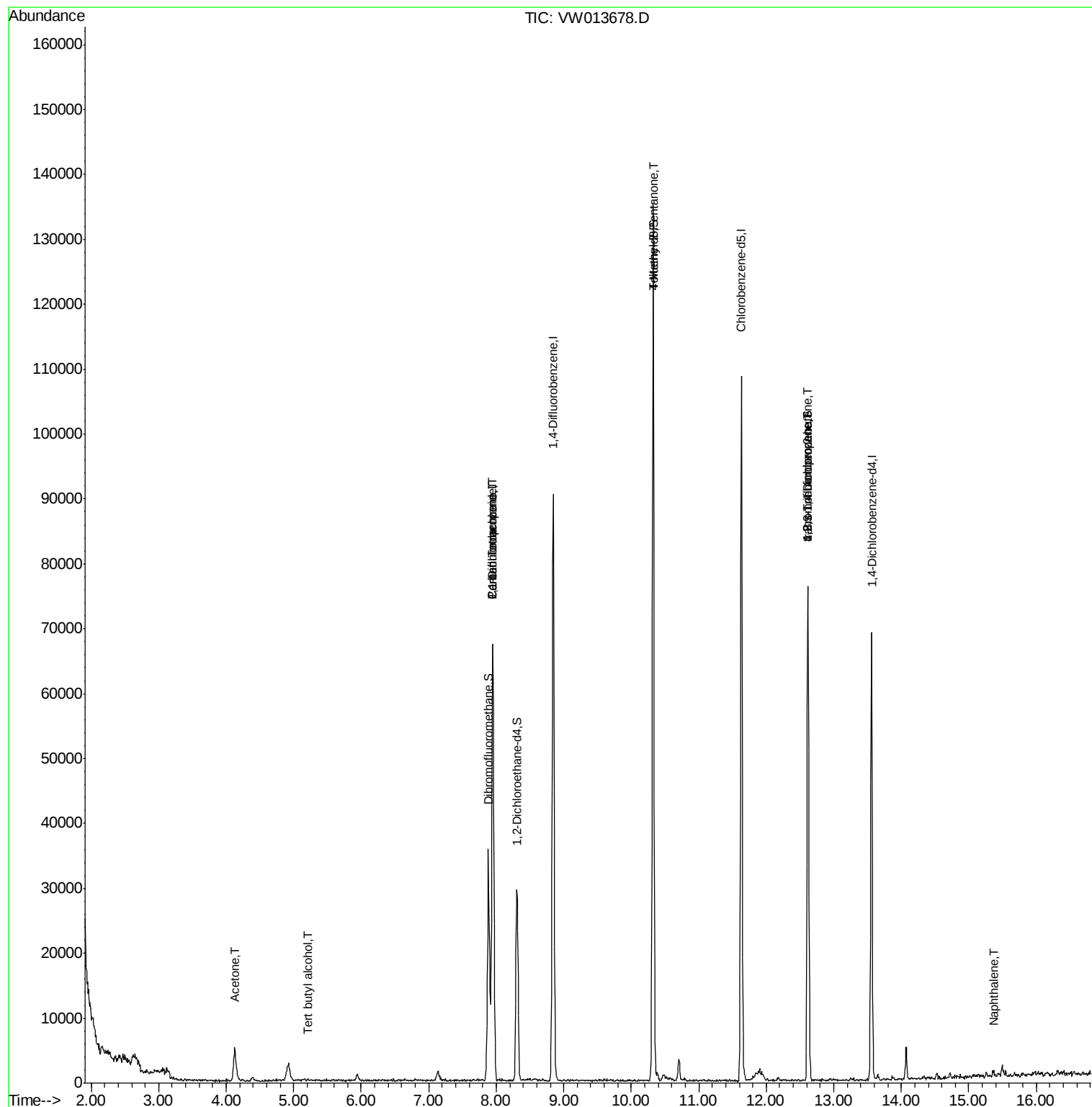
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	49	1.906	ug/l #	71
16) Acetone	4.13	43	9784	107.147	ug/l	99
36) 1,1-Dichloropropene	7.95	75	3693	4.858	ug/l #	46
38) Carbon Tetrachloride	7.95	117	4926	7.196	ug/l #	18
51) 4-Methyl-2-Pentanone	10.33	43	414	1.496	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	11201	75.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11201	142.008	ug/l #	14
95) Naphthalene	15.37	128	815	1.194	ug/l #	79

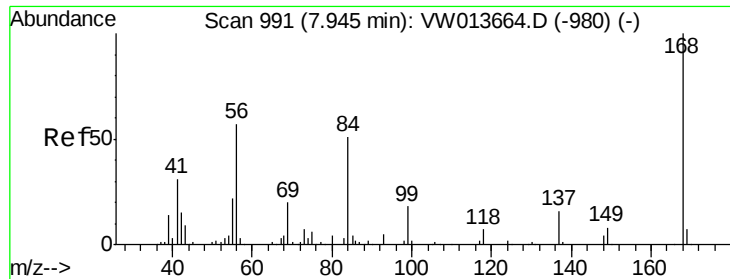
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

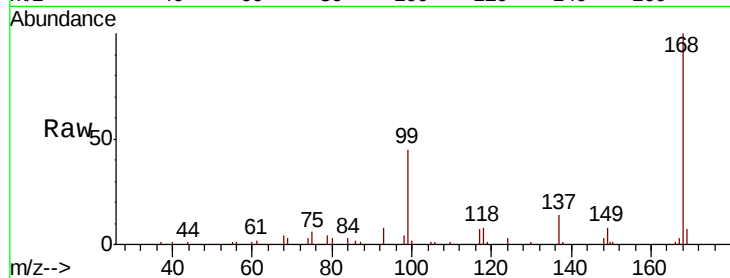
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 57409

Ion Ratio Lower Upper

168 100

99 44.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

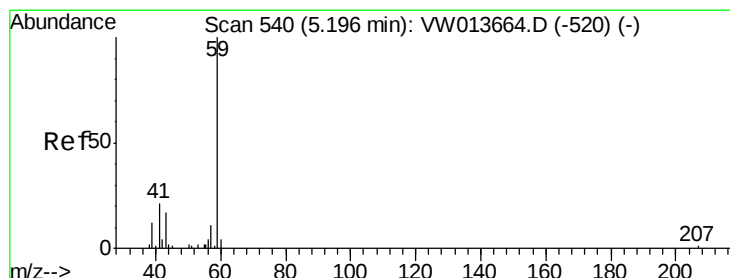
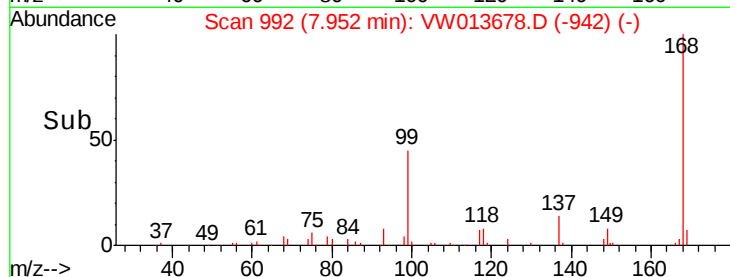
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 1.906 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.01 min

Lab File: VW013678.D

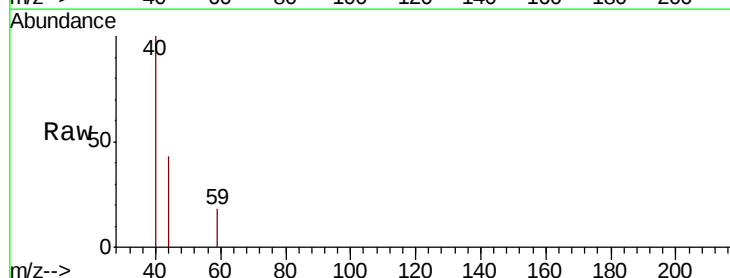
Acq: 23 Oct 2019 20:08

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

80

60

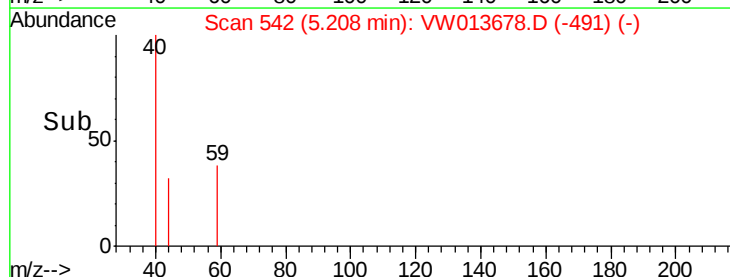
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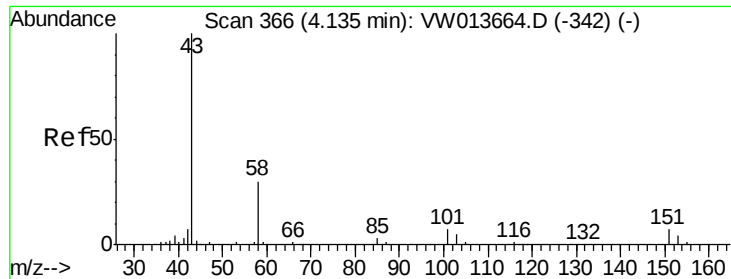
20

0

Time-->

5.19 5.20 5.21 5.22





#16

Acetone

Concen: 107.147 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

Instrument :

MSVOA_W

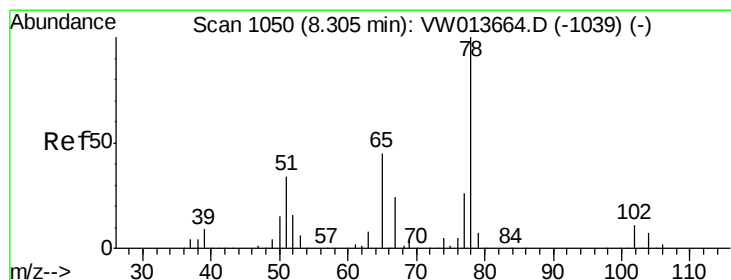
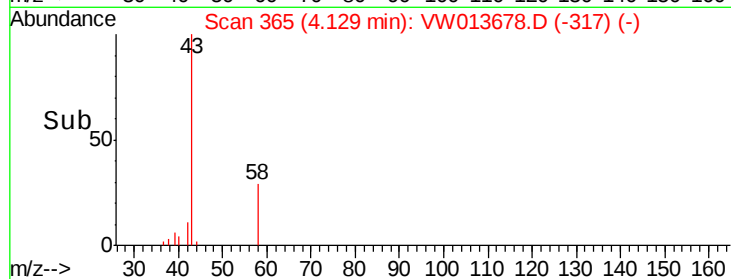
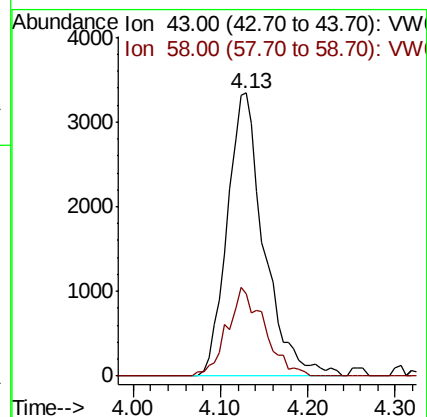
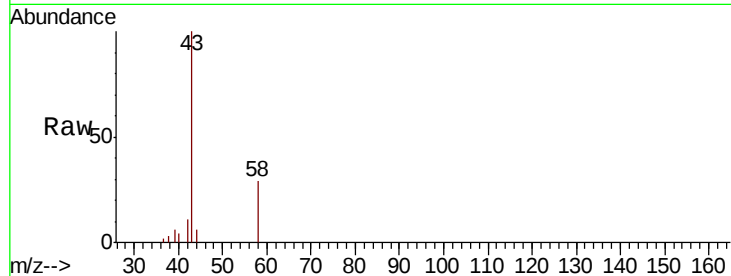
ClientSampleId :

Tot Ion: 43 Resp: 9784

Ion Ratio Lower Upper

43 100

58 29.3 24.1 36.1



#33

1,2-Dichloroethane-d4

Concen: 54.711 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013678.D

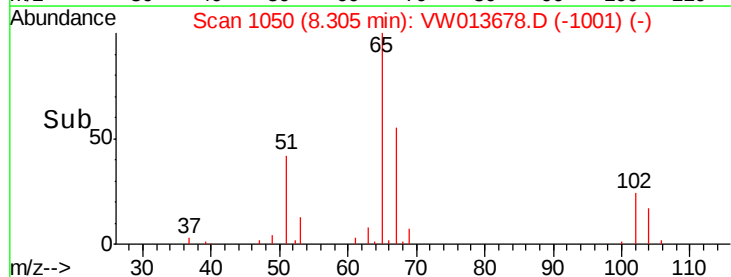
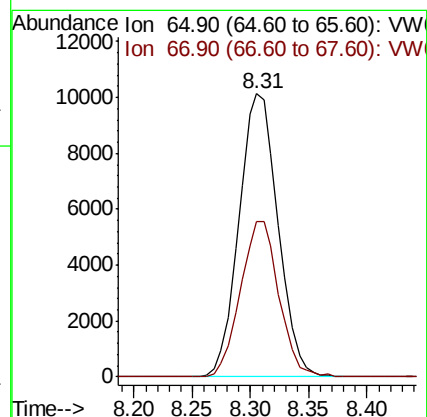
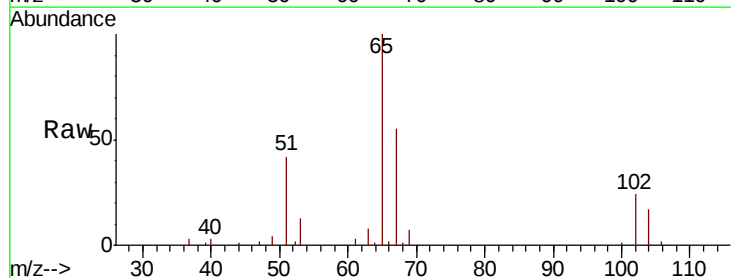
Acq: 23 Oct 2019 20:08

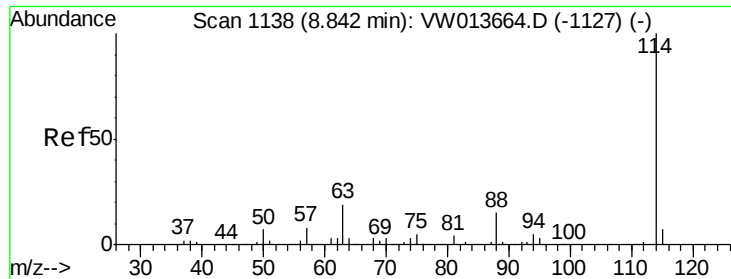
Tgt Ion: 65 Resp: 23562

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.4

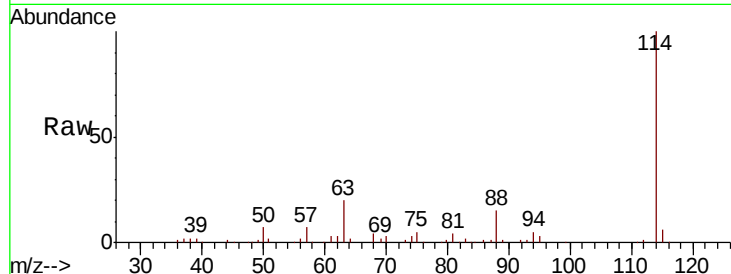




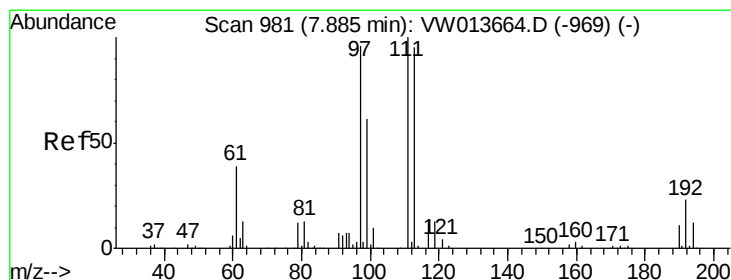
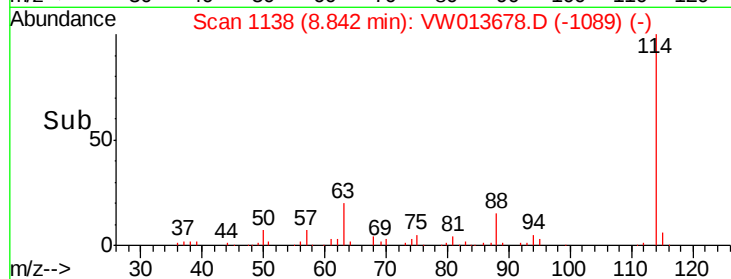
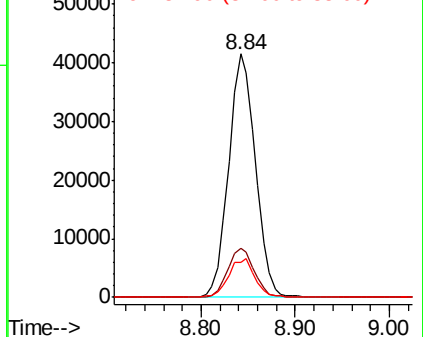
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013678.D
 Acq: 23 Oct 2019 20:08

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 81628
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.6
 88 14.5 0.0 30.2

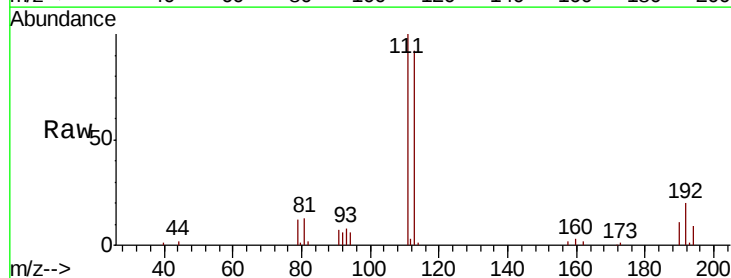


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

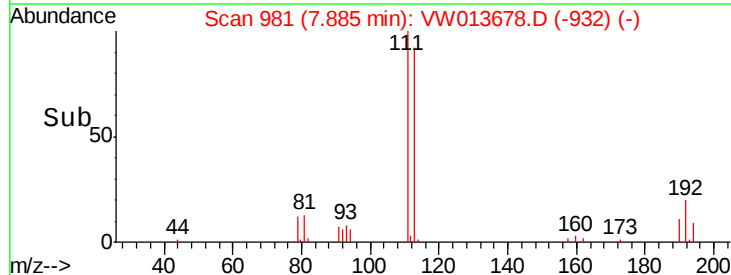
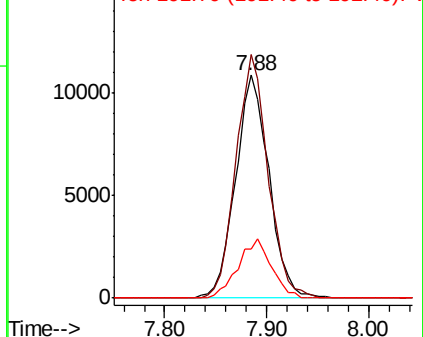


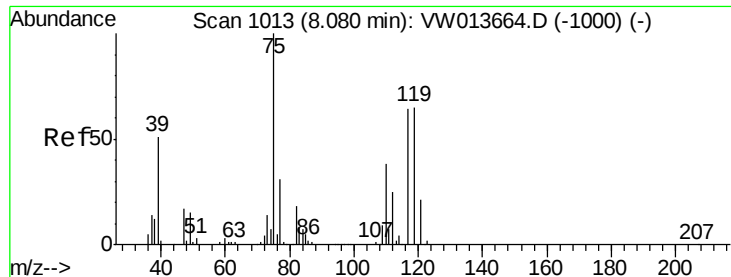
#35
 Dibromofluoromethane
 Concen: 54.404 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013678.D
 Acq: 23 Oct 2019 20:08

Tgt Ion:113 Resp: 24676
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.0 124.6
 192 26.5 19.4 29.2



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

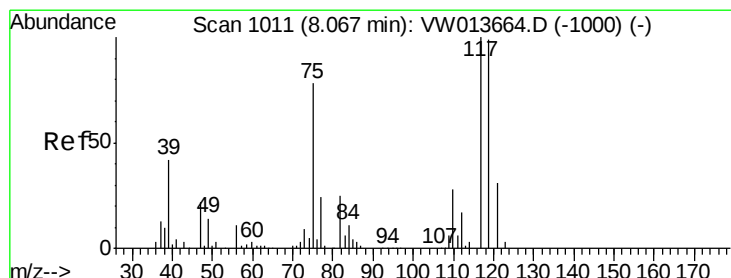
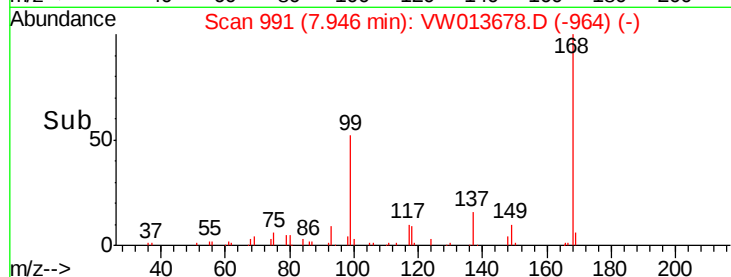
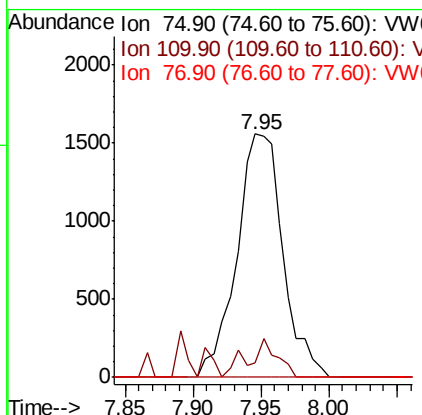
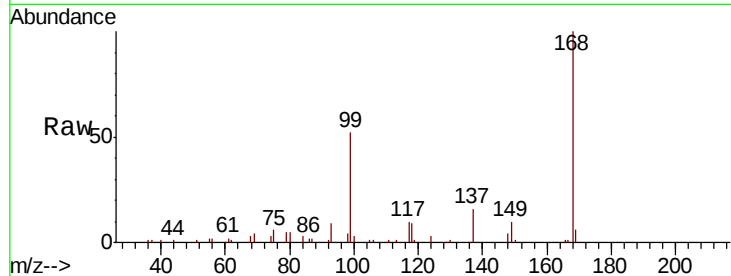




#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013678.D
 Acq: 23 Oct 2019 20:08

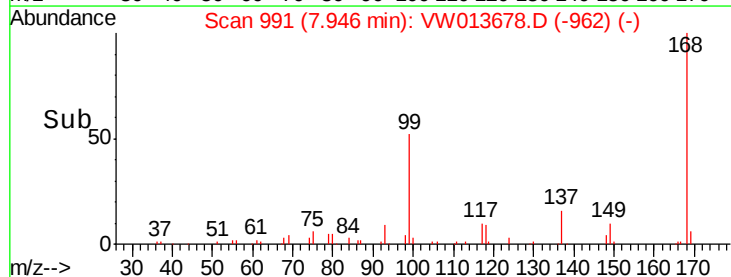
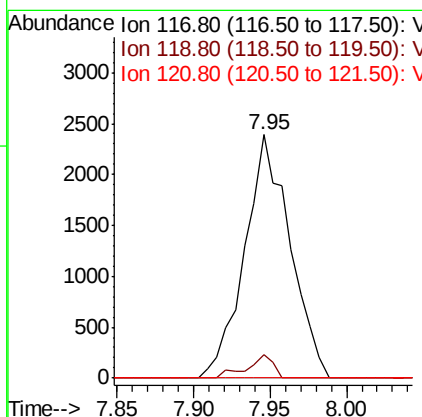
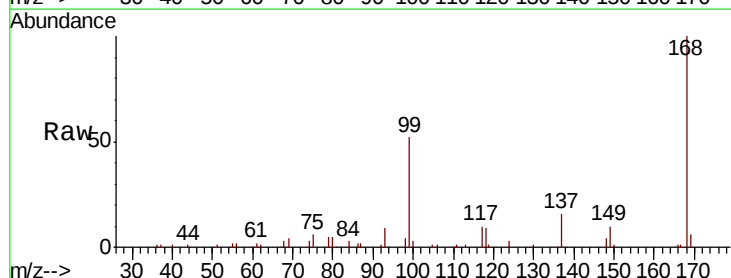
Instrument :
 MSVOA_W
 ClientSampled :

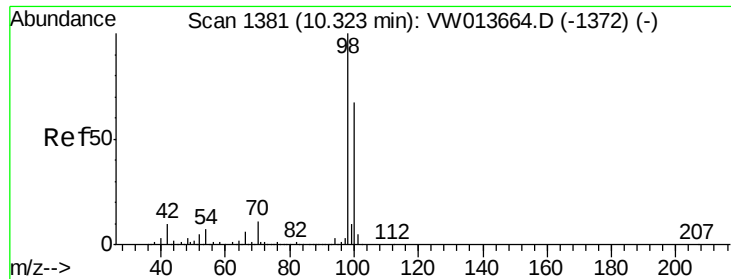
Tot Ion	75	Resp	3693
Ion Ratio	Lower	Upper	
75	100		
110	6.8	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 7.196 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013678.D
 Acq: 23 Oct 2019 20:08

Tgt Ion	117	Resp	4926
Ion Ratio	Lower	Upper	
117	100		
119	9.4	79.0	118.4#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 49.385 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

Instrument :

MSVOA_W

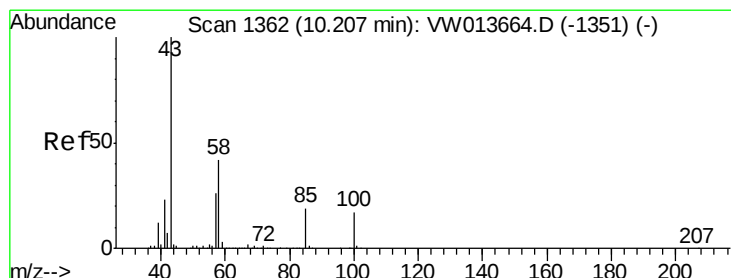
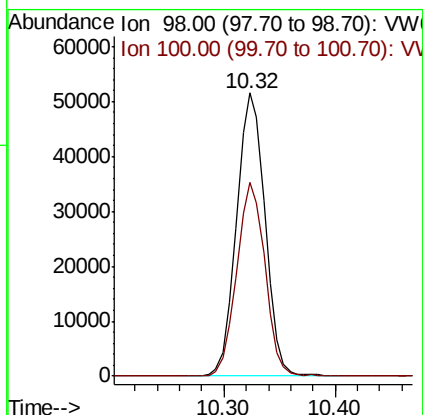
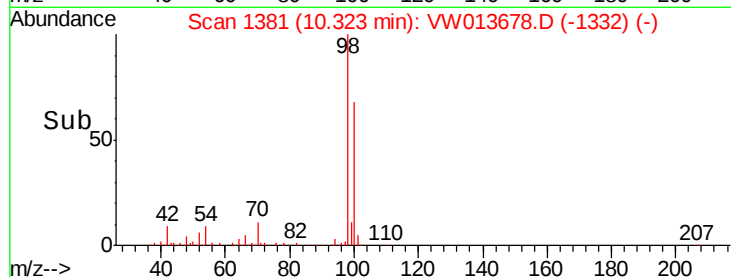
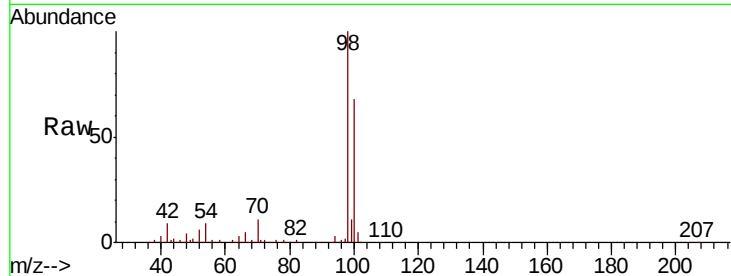
ClientSampleId :

Tot Ion: 98 Resp: 91273

Ion Ratio Lower Upper

98 100

100 67.9 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.496 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW013678.D

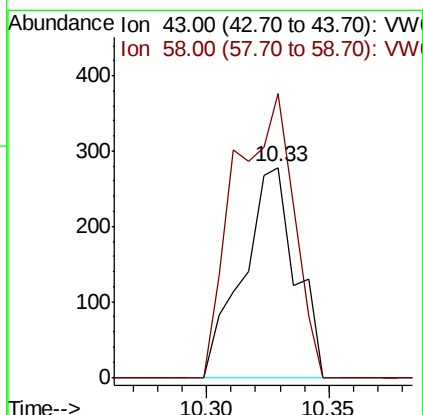
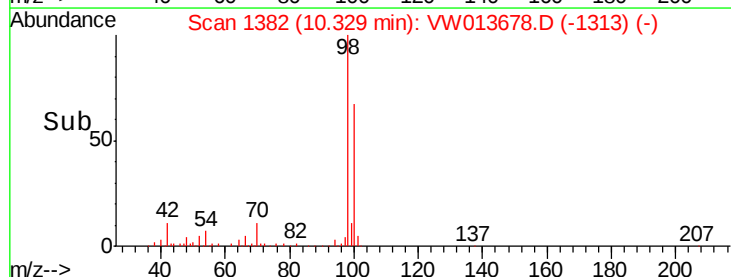
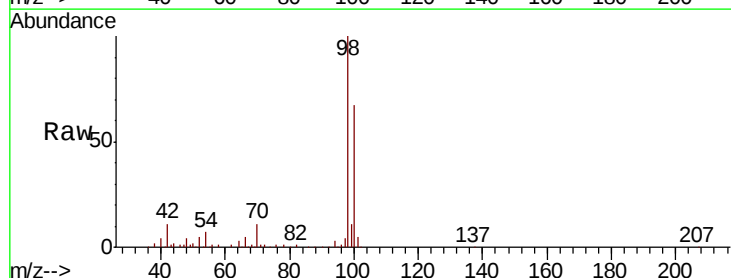
Acq: 23 Oct 2019 20:08

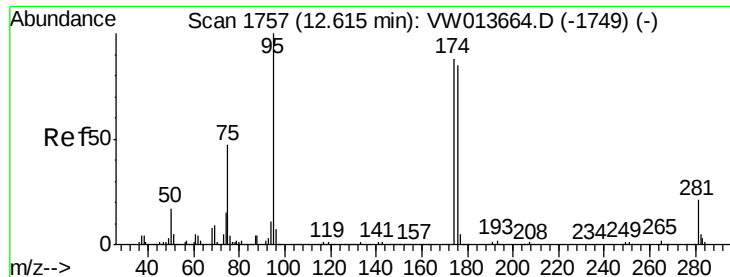
Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

43 100

58 151.4 32.6 49.0#

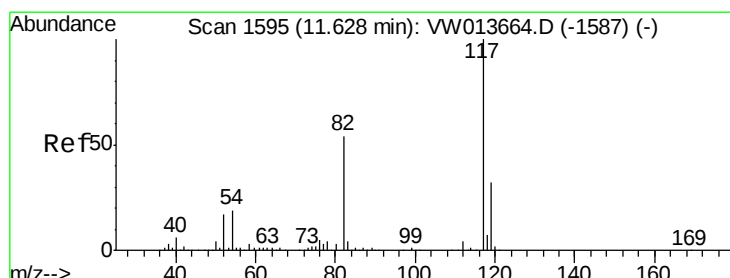
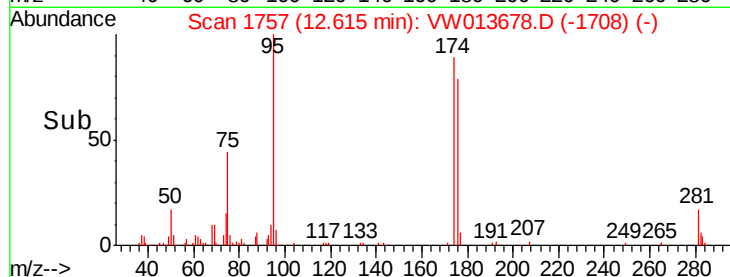
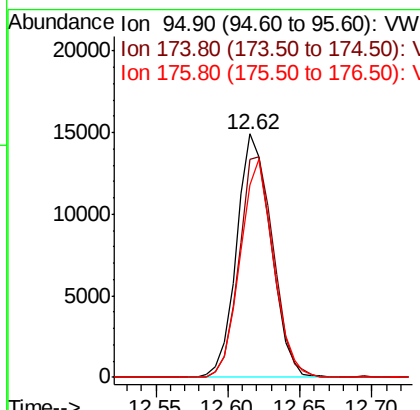
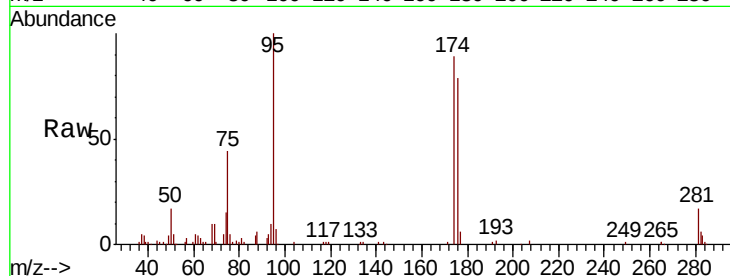




#62
4-Bromofluorobenzene
Concen: 39.305 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013678.D
Acq: 23 Oct 2019 20:08

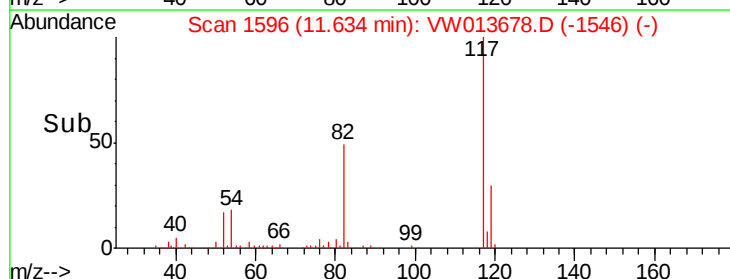
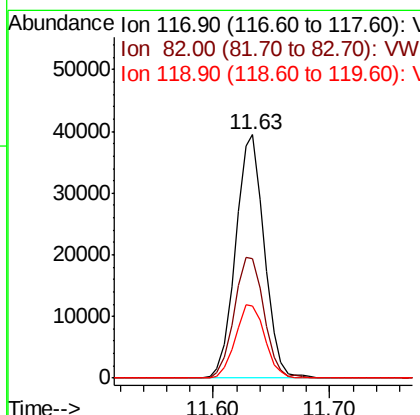
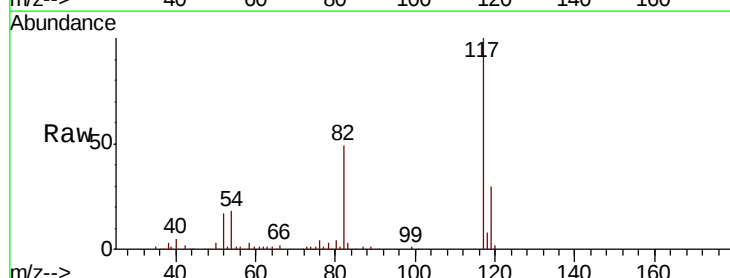
Instrument :
MSVOA_W
ClientSampleId :

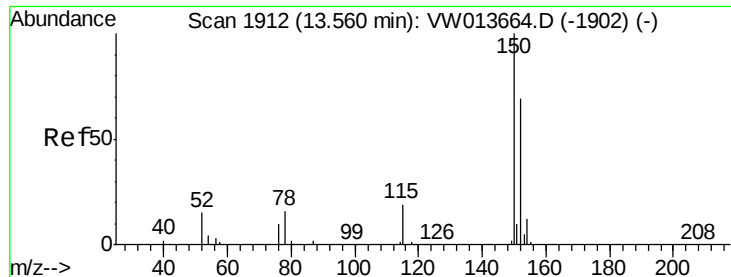
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	183.6
176	86.8	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013678.D
Acq: 23 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.9	43.6	65.4
119	29.8	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

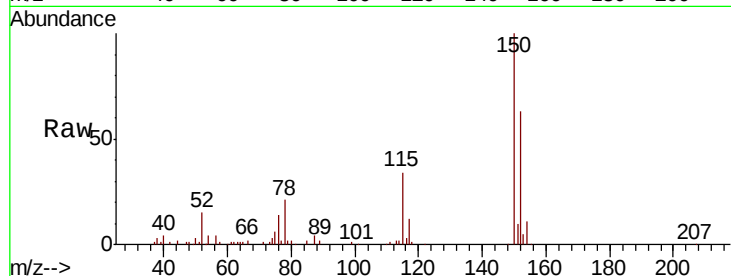
Tot Ion:152 Resp: 20757

Ion Ratio Lower Upper

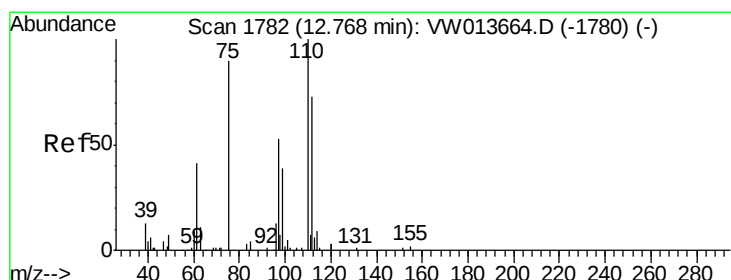
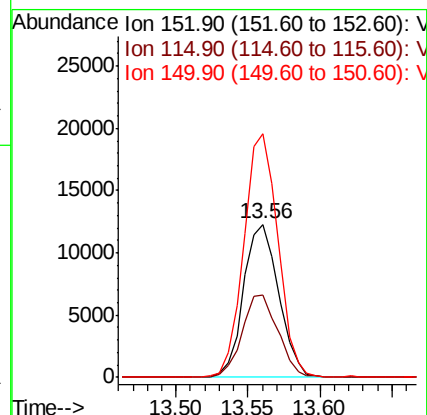
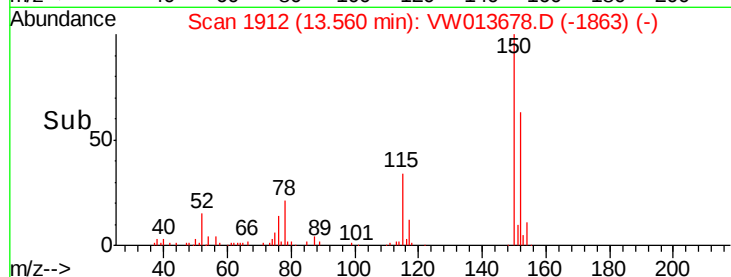
152 100

115 55.4 27.4 82.2

150 154.3 0.0 345.4



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: 75.142 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013678.D

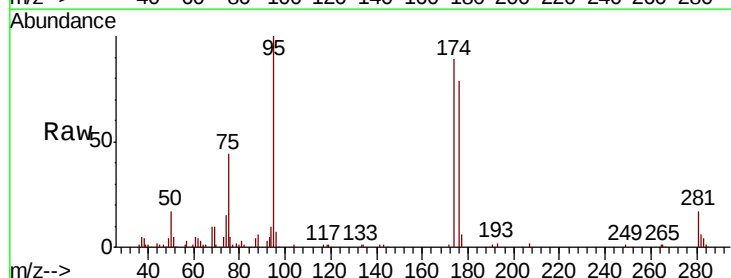
Acq: 23 Oct 2019 20:08

Tgt Ion: 75 Resp: 11201

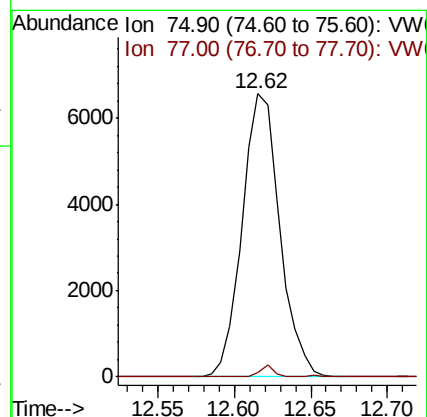
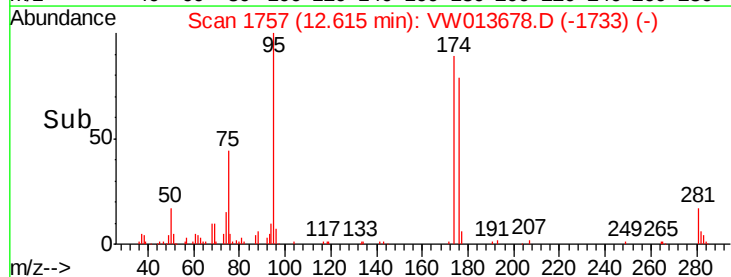
Ion Ratio Lower Upper

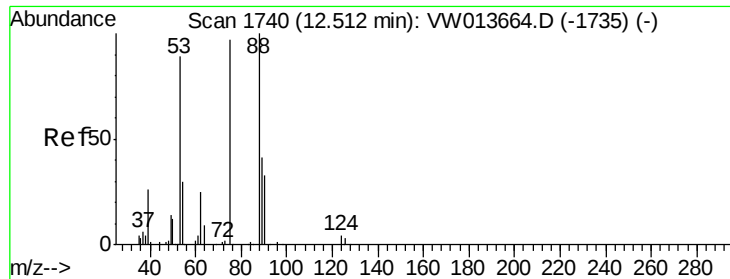
75 100

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: 142.008 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

Instrument :

MSVOA_W

ClientSampleId :

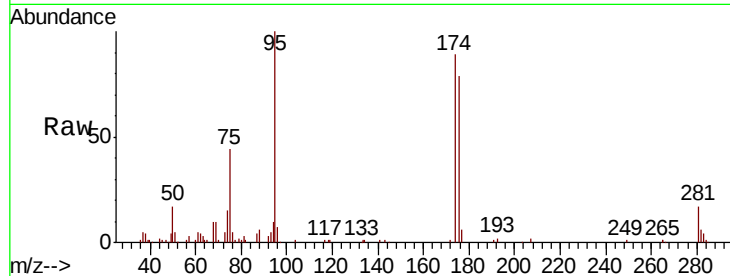
Tot Ion: 75 Resp: 11201

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

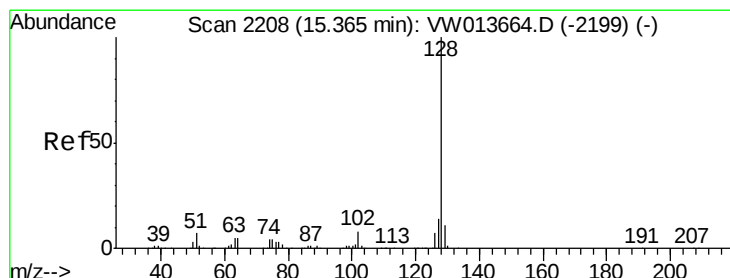
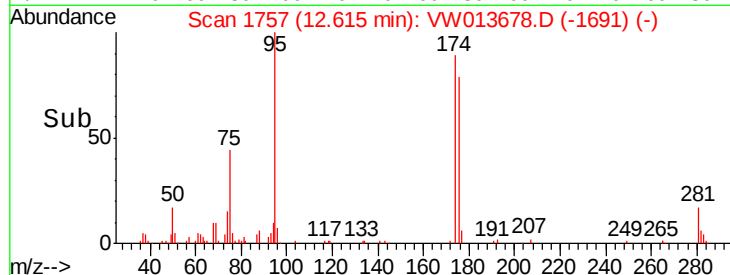
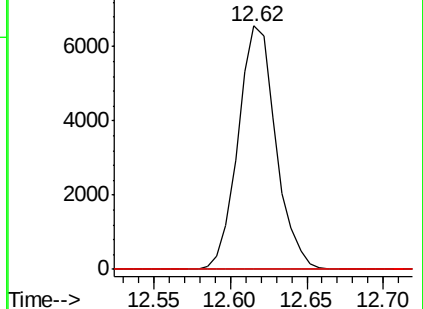
89 0.0 35.8 53.8#



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: 1.194 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013678.D

Acq: 23 Oct 2019 20:08

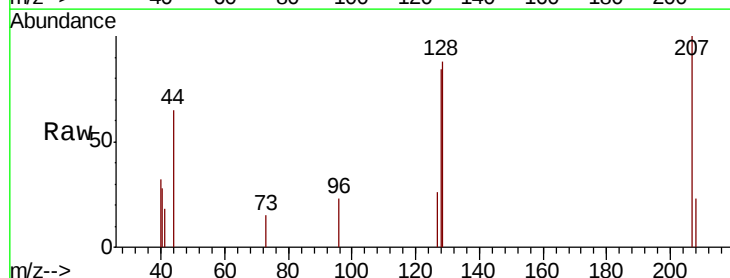
Tgt Ion: 128 Resp: 815

Ion Ratio Lower Upper

128 100

127 7.4 10.6 15.8#

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

