

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013227.D
 Acq On : 23 Sep 2019 13:29
 Operator : SY/VA
 Sample : K4997-04
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-09-091919

Quant Time: Sep 24 06:39:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	338762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163105	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	134989	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
35) Dibromofluoromethane	7.88	113	140985	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
50) Toluene-d8	10.32	98	573285	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.62	95	170547	43.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.90%	

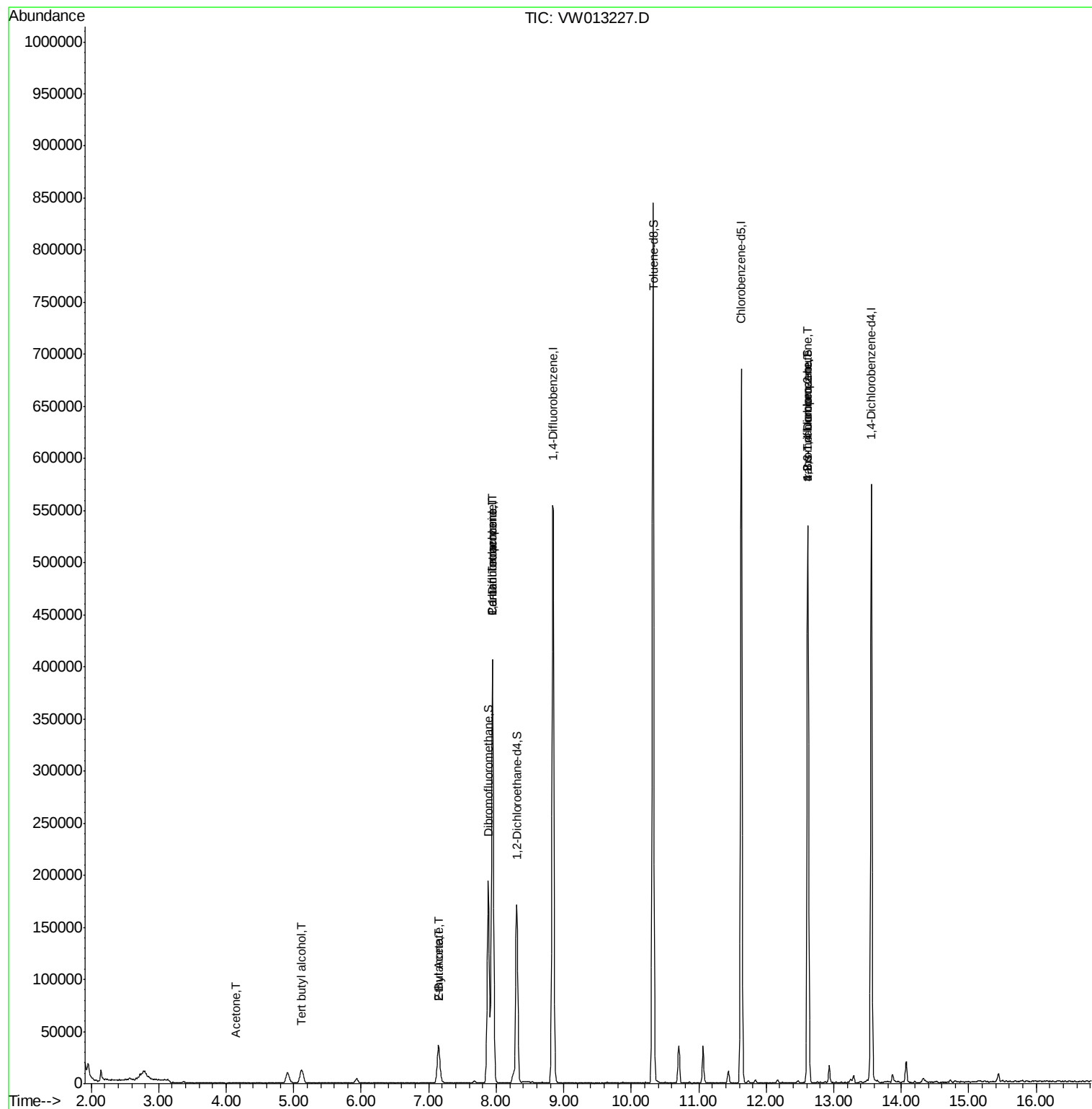
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	12356	54.163	ug/l #	74
16) Acetone	4.14	43	1626	2.608	ug/l	95
20) Methylene Chloride	4.91	84	8887	Below Cal		94
25) 2-Butanone	7.14	43	2056	2.197	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	2806	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	22188	4.589	ug/l #	49
37) Ethyl Acetate	7.14	43	2056	1.000	ug/l #	1
38) Carbon Tetrachloride	7.95	117	28203	6.506	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	80683	56.013	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80683	125.688	ug/l #	12

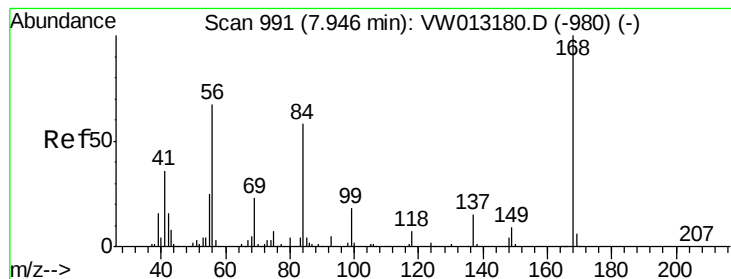
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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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: VW013227.D

Acq: 23 Sep 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

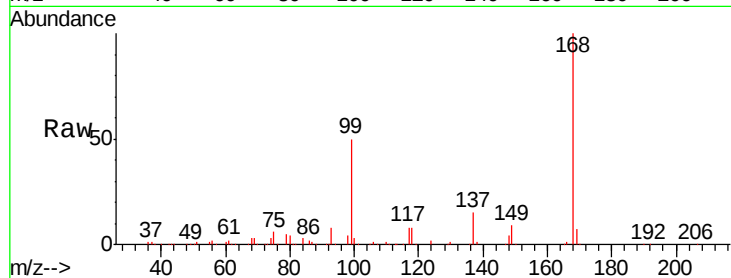
WC-09-091919

Tgt Ion: 168 Resp: 338762

Ion Ratio Lower Upper

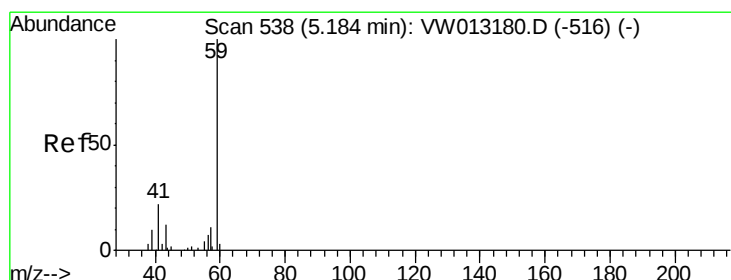
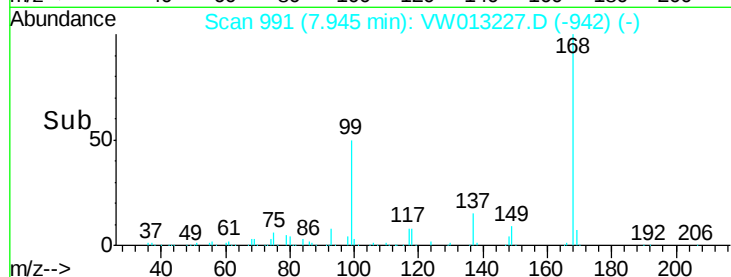
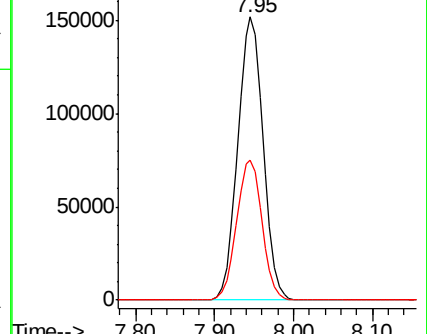
168 100

99 49.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 54.163 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: VW013227.D

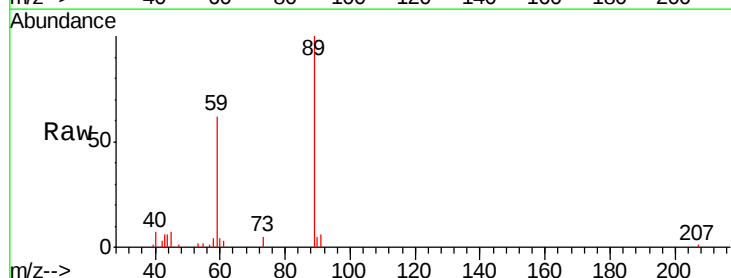
Acq: 23 Sep 2019 13:29

Tgt Ion: 59 Resp: 12356

Ion Ratio Lower Upper

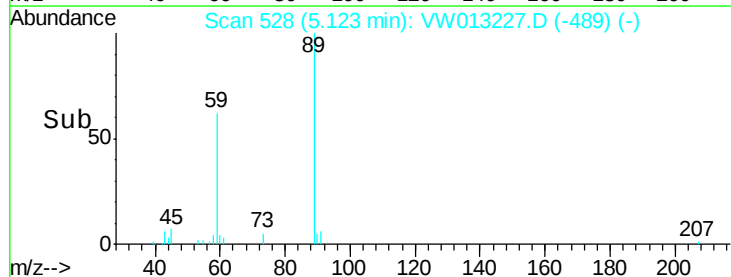
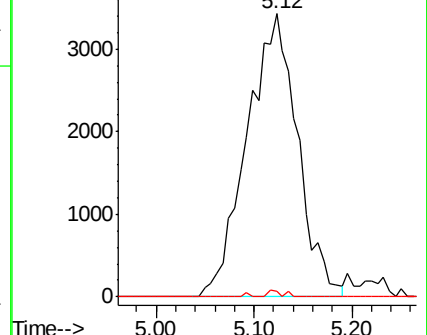
59 100

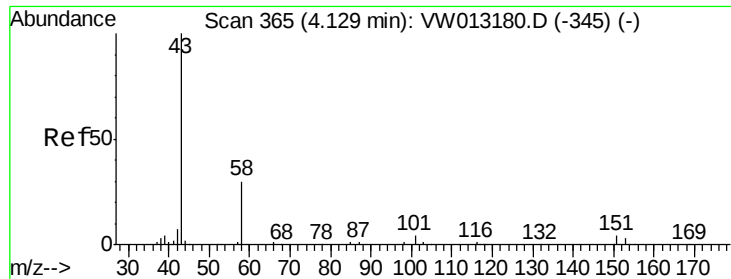
57 0.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.608 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013227.D

Acq: 23 Sep 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

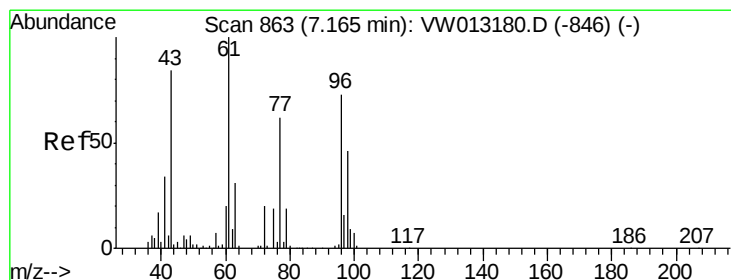
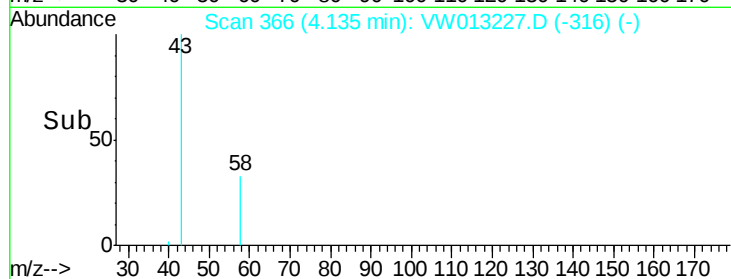
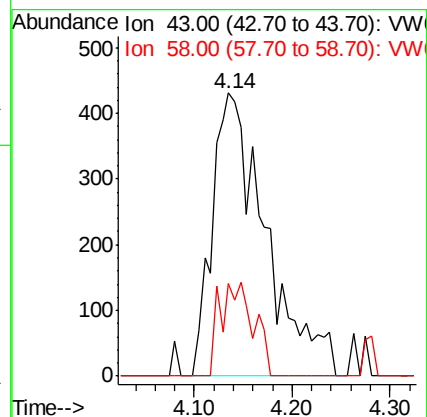
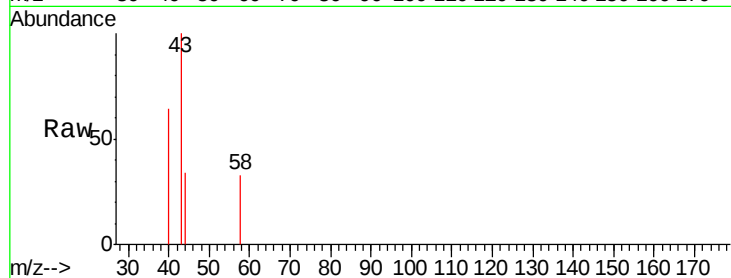
WC-09-091919

Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

58 32.7 24.1 36.1



#25

2-Butanone

Concen: 2.197 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013227.D

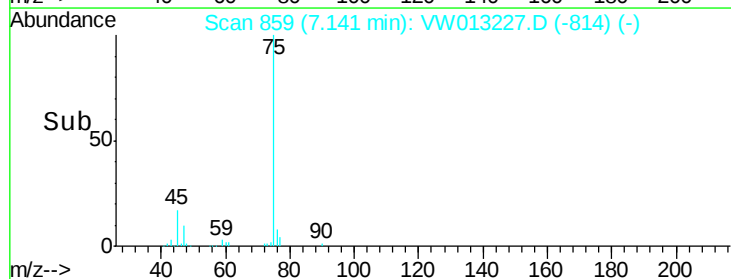
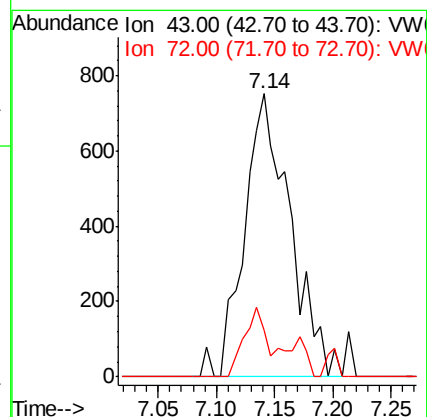
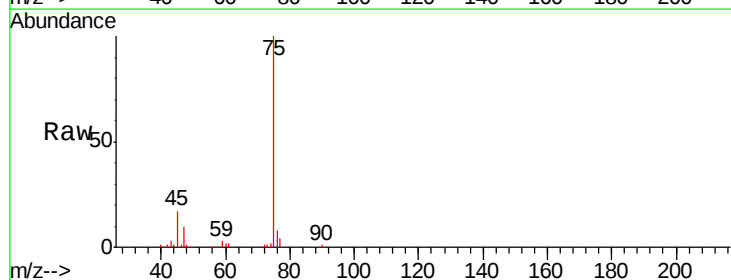
Acq: 23 Sep 2019 13:29

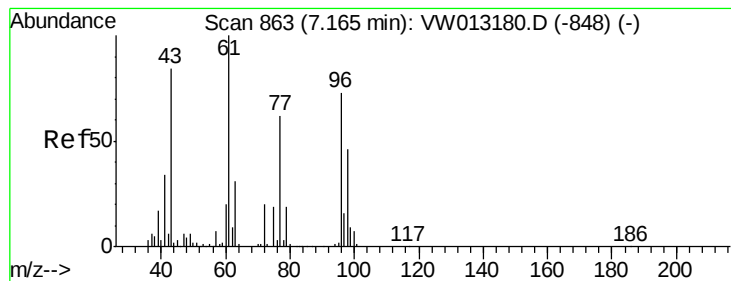
Tgt Ion: 43 Resp: 2056

Ion Ratio Lower Upper

43 100

72 16.4 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013227.D

Acq: 23 Sep 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

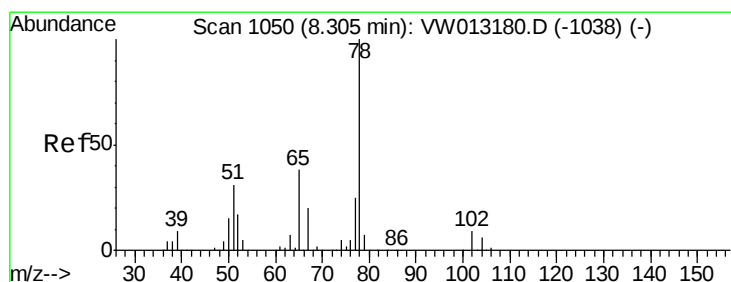
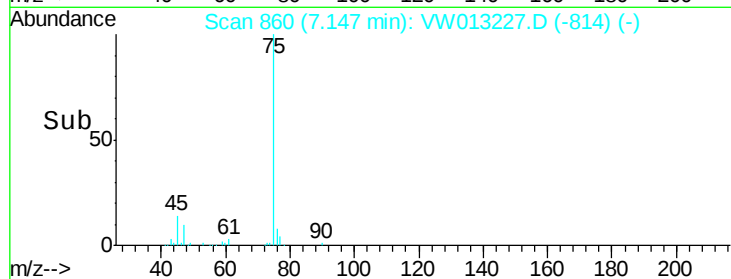
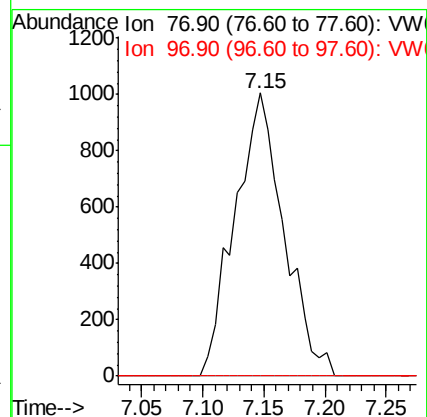
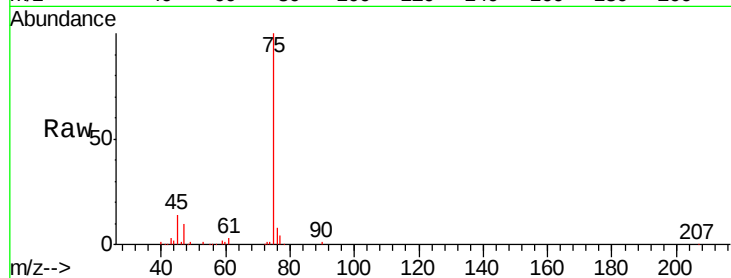
WC-09-091919

Tgt Ion: 77 Resp: 2806

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#33

1,2-Dichloroethane-d4

Concen: 48.824 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013227.D

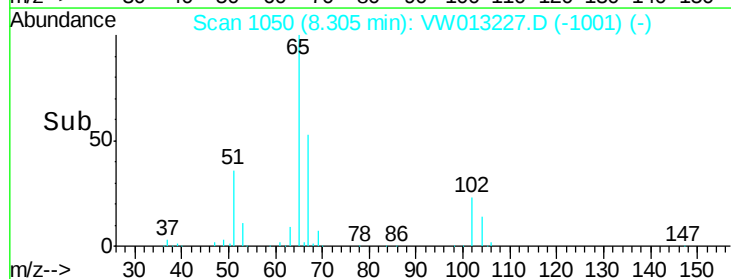
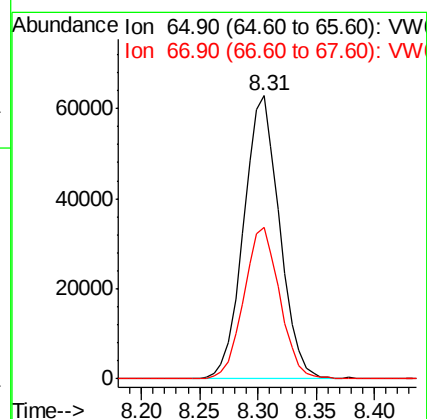
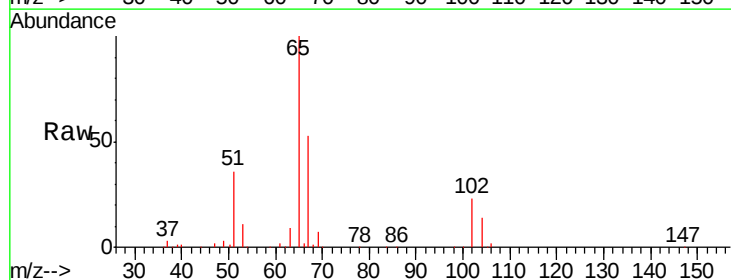
Acq: 23 Sep 2019 13:29

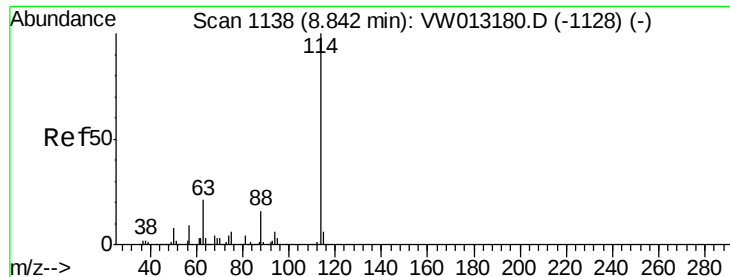
Tgt Ion: 65 Resp: 134989

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.2

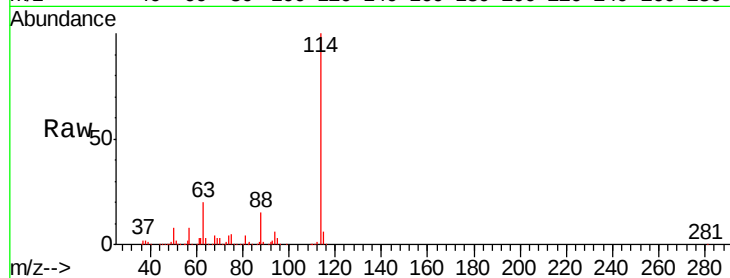




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013227.D
 Acq: 23 Sep 2019 13:29

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-09-091919

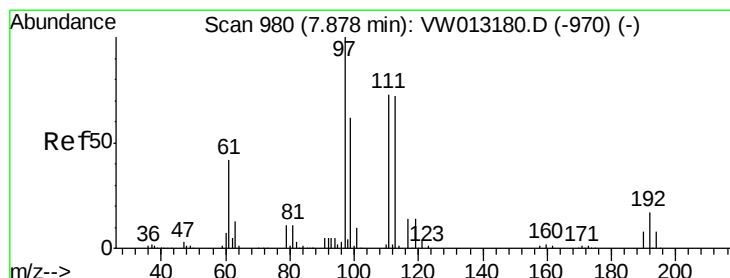
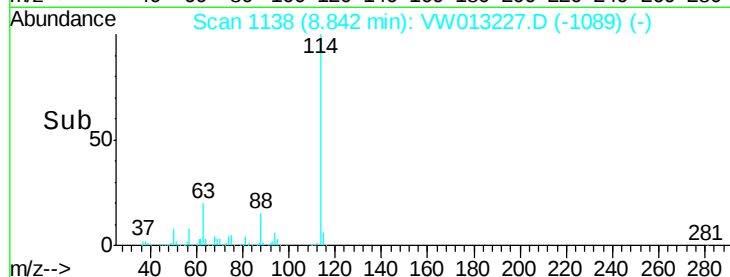
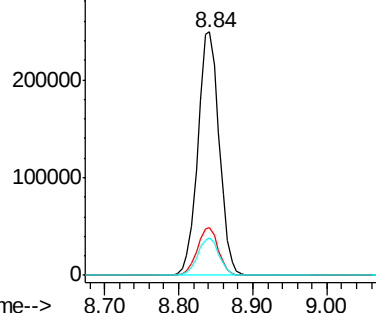
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.4
88	15.3	0.0	32.0



Abundance Ion 113.90 (113.60 to 114.60): V

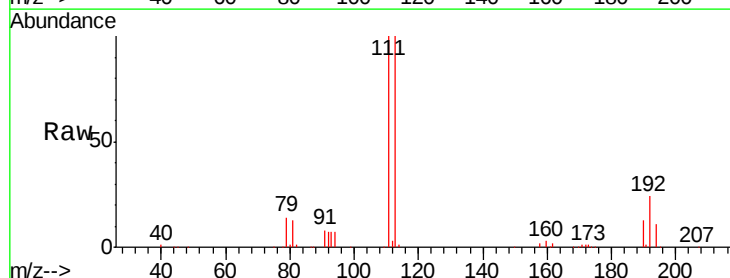
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 51.346 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013227.D
 Acq: 23 Sep 2019 13:29

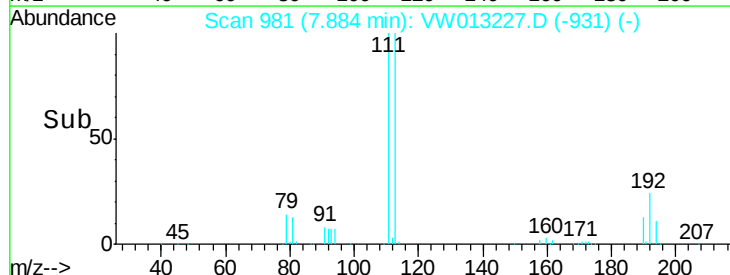
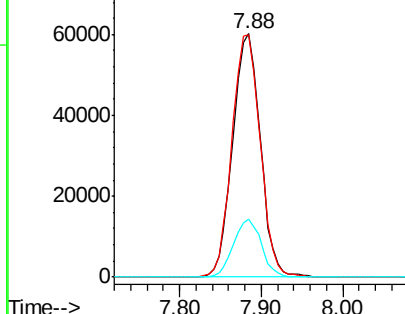
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	23.8	19.1	28.7

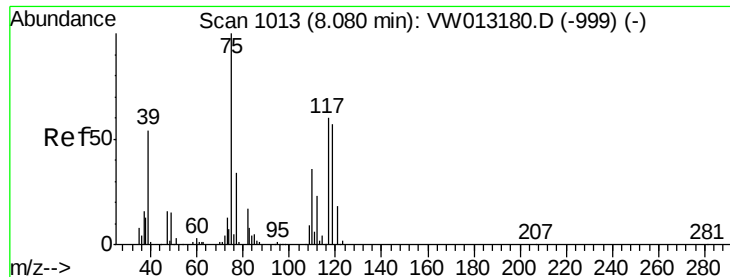


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

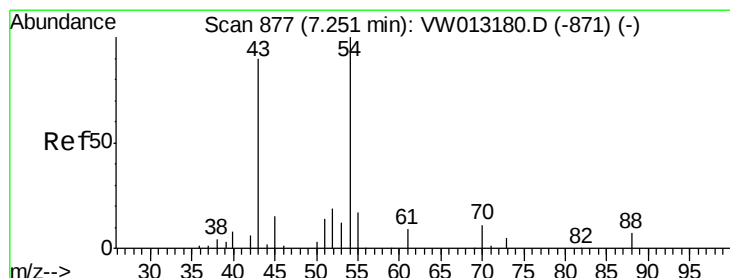
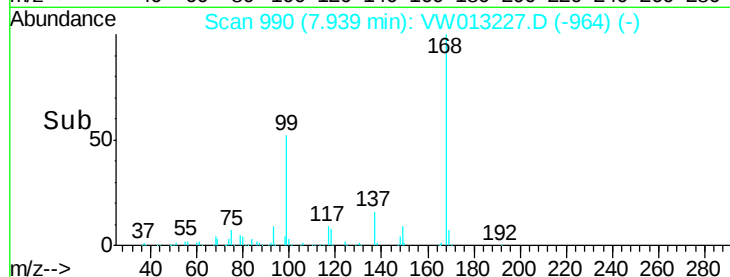
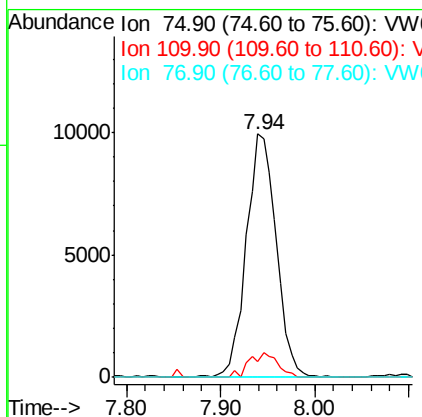
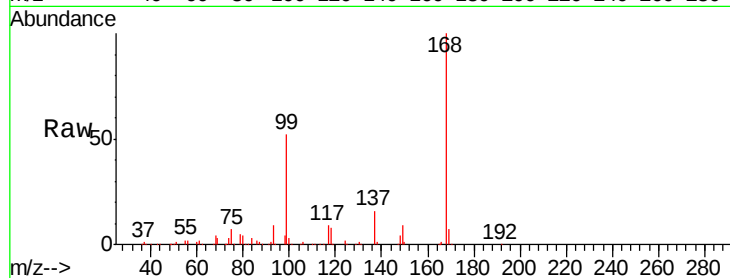




#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013227.D
 Acq: 23 Sep 2019 13:29

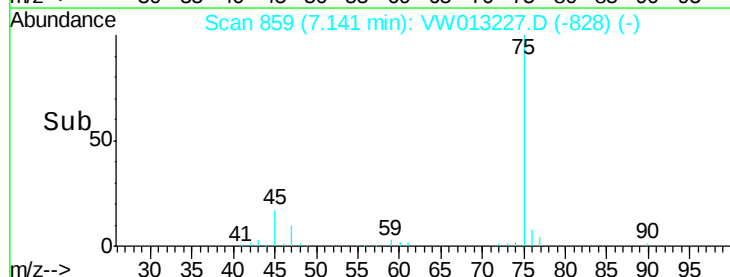
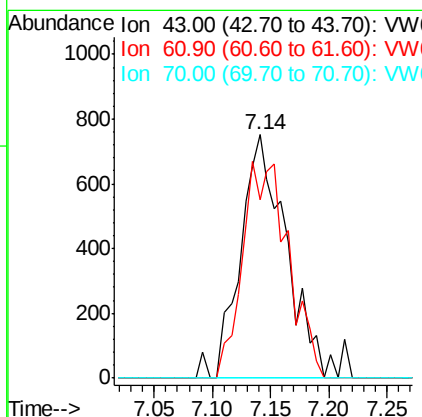
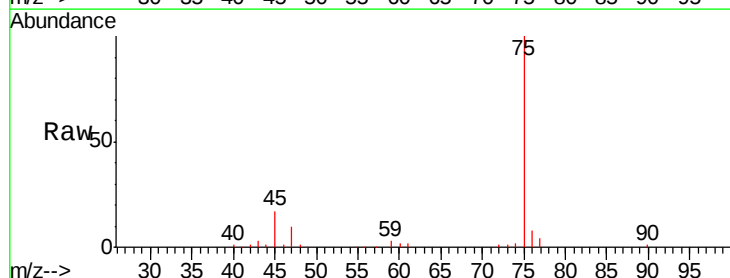
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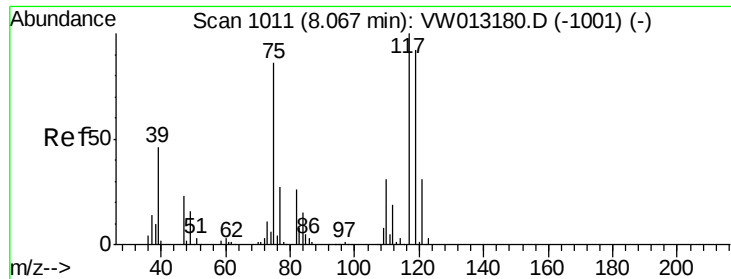
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.3#
77	0.0	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 1.000 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.11 min
 Lab File: VW013227.D
 Acq: 23 Sep 2019 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
61	88.5	10.9	16.3#
70	0.0	8.2	12.2#

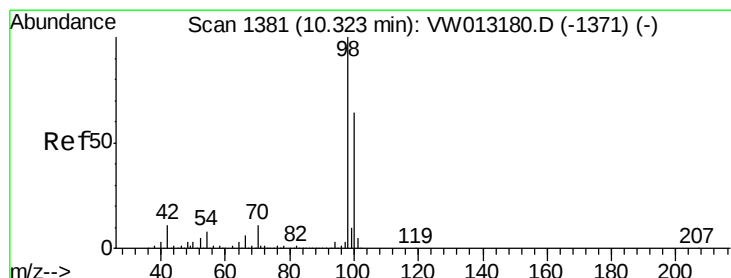
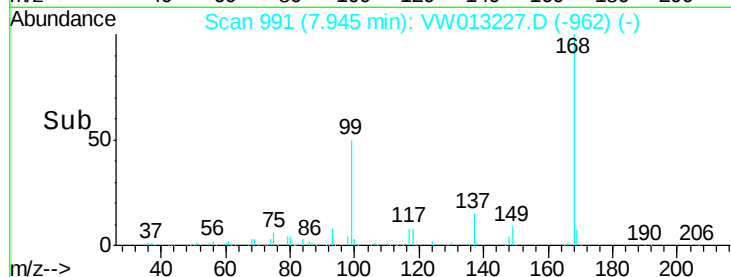
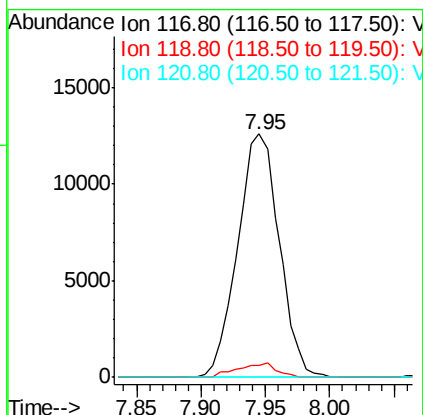
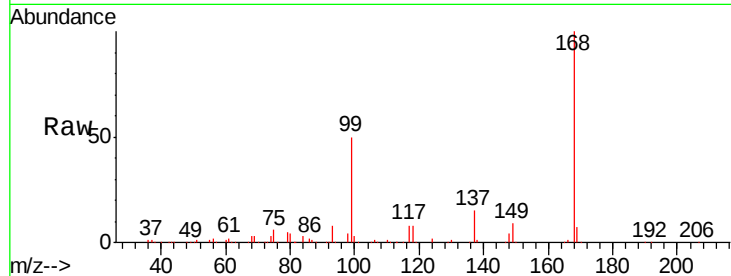




#38
Carbon Tetrachloride
Concen: 6.506 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

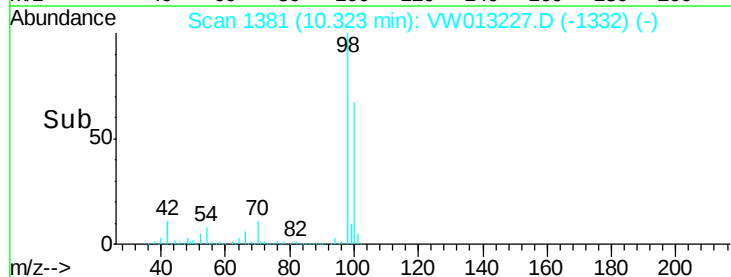
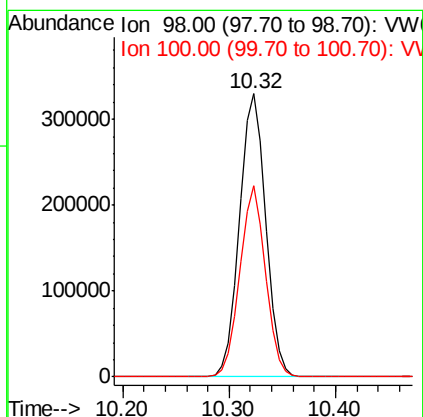
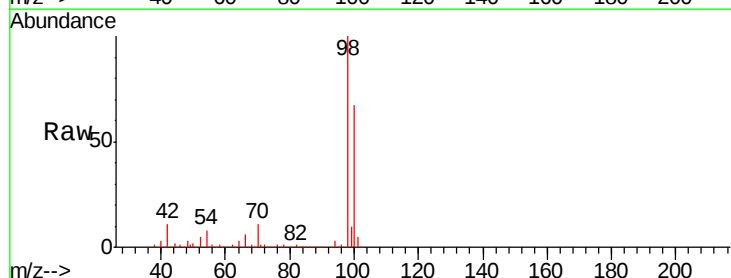
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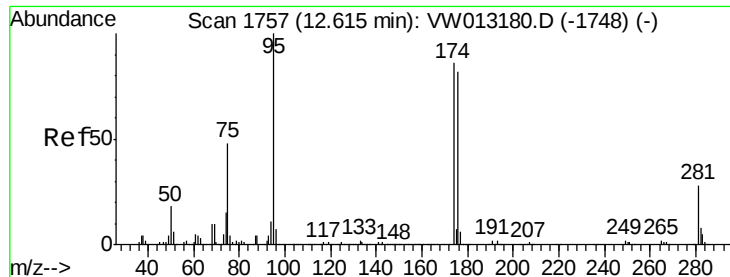
Tgt Ion:117 Resp: 28203
Ion Ratio Lower Upper
117 100
119 4.9 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.888 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

Tgt Ion: 98 Resp: 573285
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3

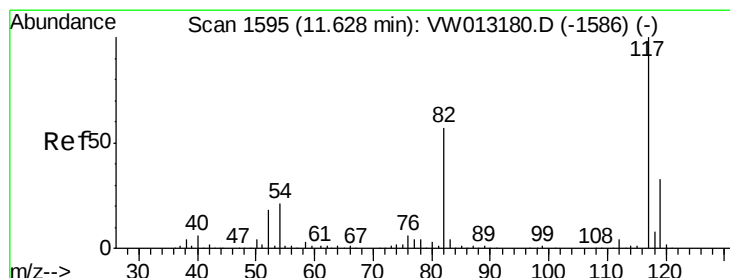
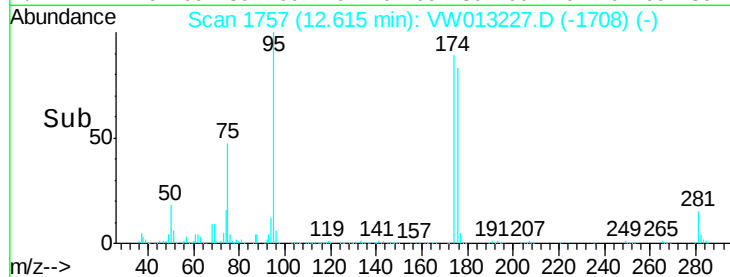
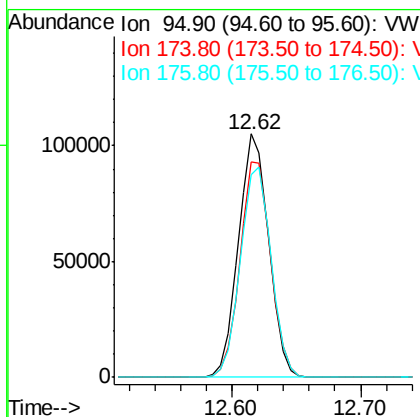
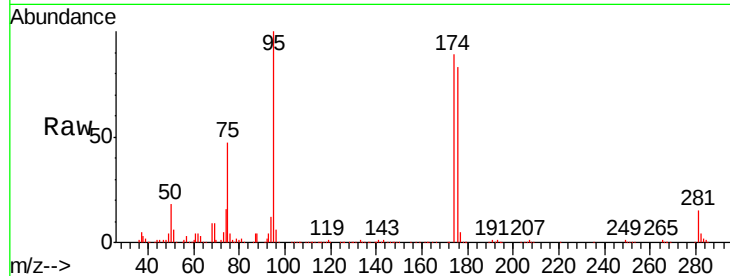




#62
4-Bromofluorobenzene
Concen: 43.447 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

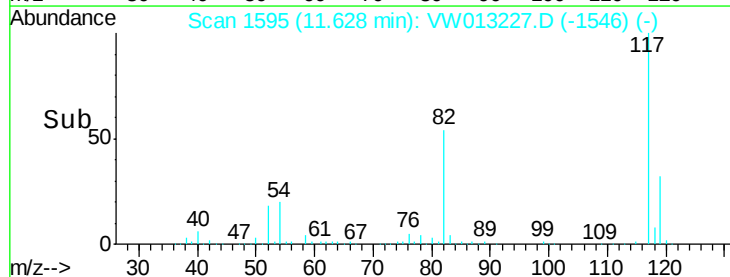
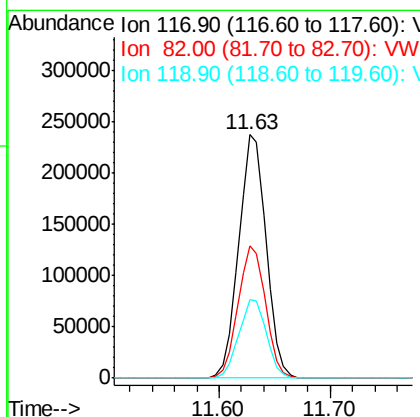
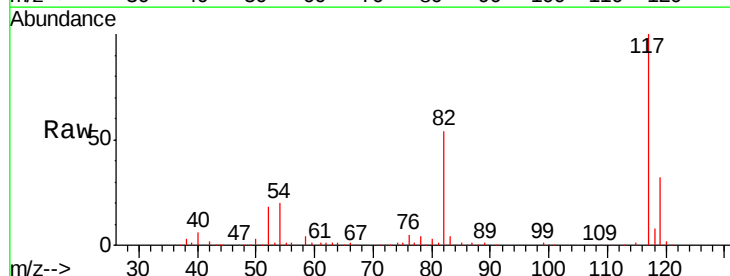
Instrument :
MSVOA_W
ClientSampled :
WC-09-091919

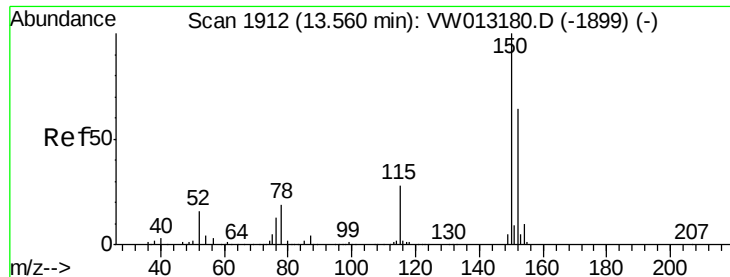
Tgt Ion: 95 Resp: 170547
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.4
176 87.6 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

Tgt Ion: 117 Resp: 403974
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 32.3 26.2 39.2



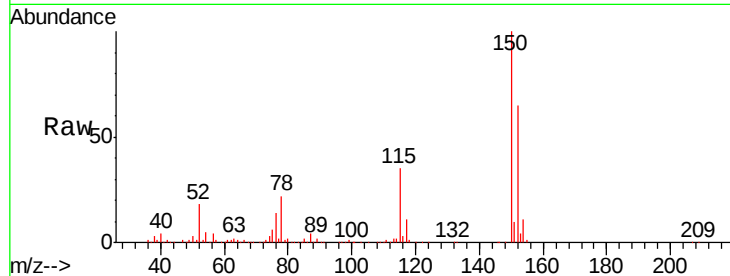


#72

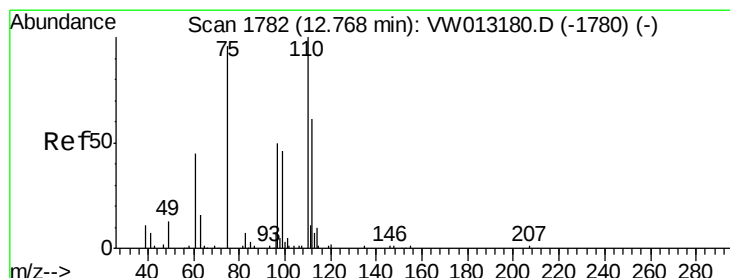
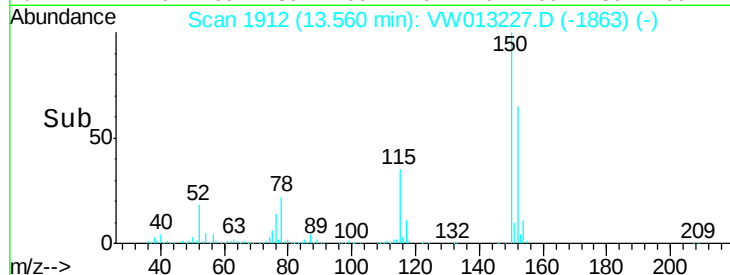
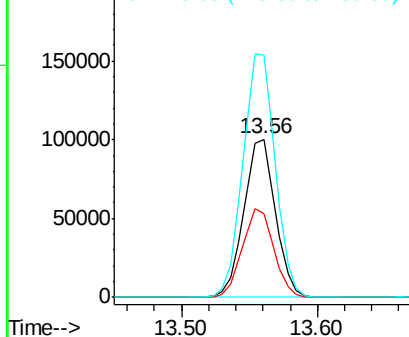
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

Instrument :
MSVOA_W
ClientSampleId :
WC-09-091919

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.3	81.9
150	157.6	0.0	349.0



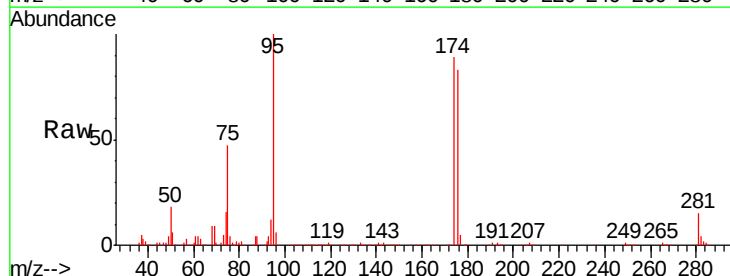
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



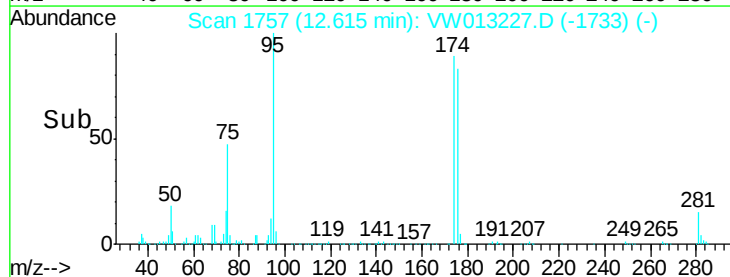
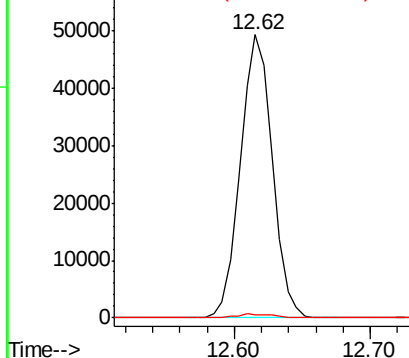
#76

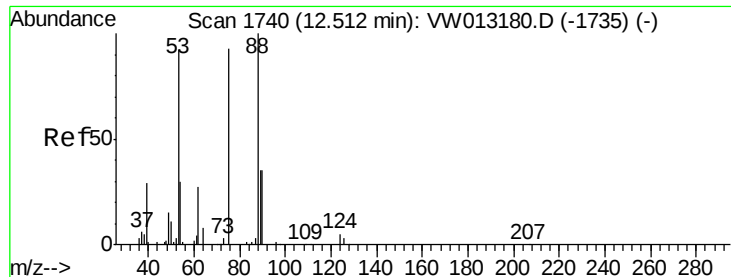
1,2,3-Trichloropropane
Concen: 56.013 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013227.D
Acq: 23 Sep 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 125.688 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013227.D

Acq: 23 Sep 2019 13:29

Instrument :

MSVOA_W

ClientSampleId :

WC-09-091919

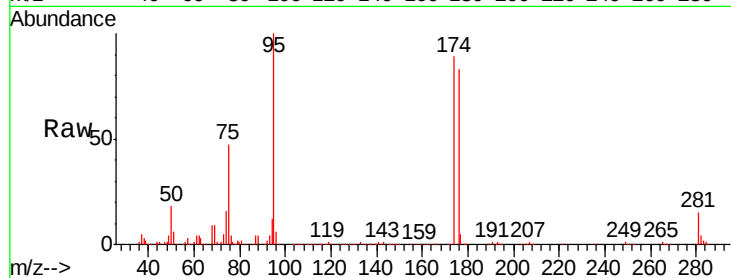
Tgt Ion: 75 Resp: 80683

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

