

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013332.D
 Acq On : 30 Sep 2019 14:52
 Operator : SY/VA
 Sample : K5083-01
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 18:07:27 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	345250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	433893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	196808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142794	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.88	113	143723	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.32	98	588561	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	190861	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds

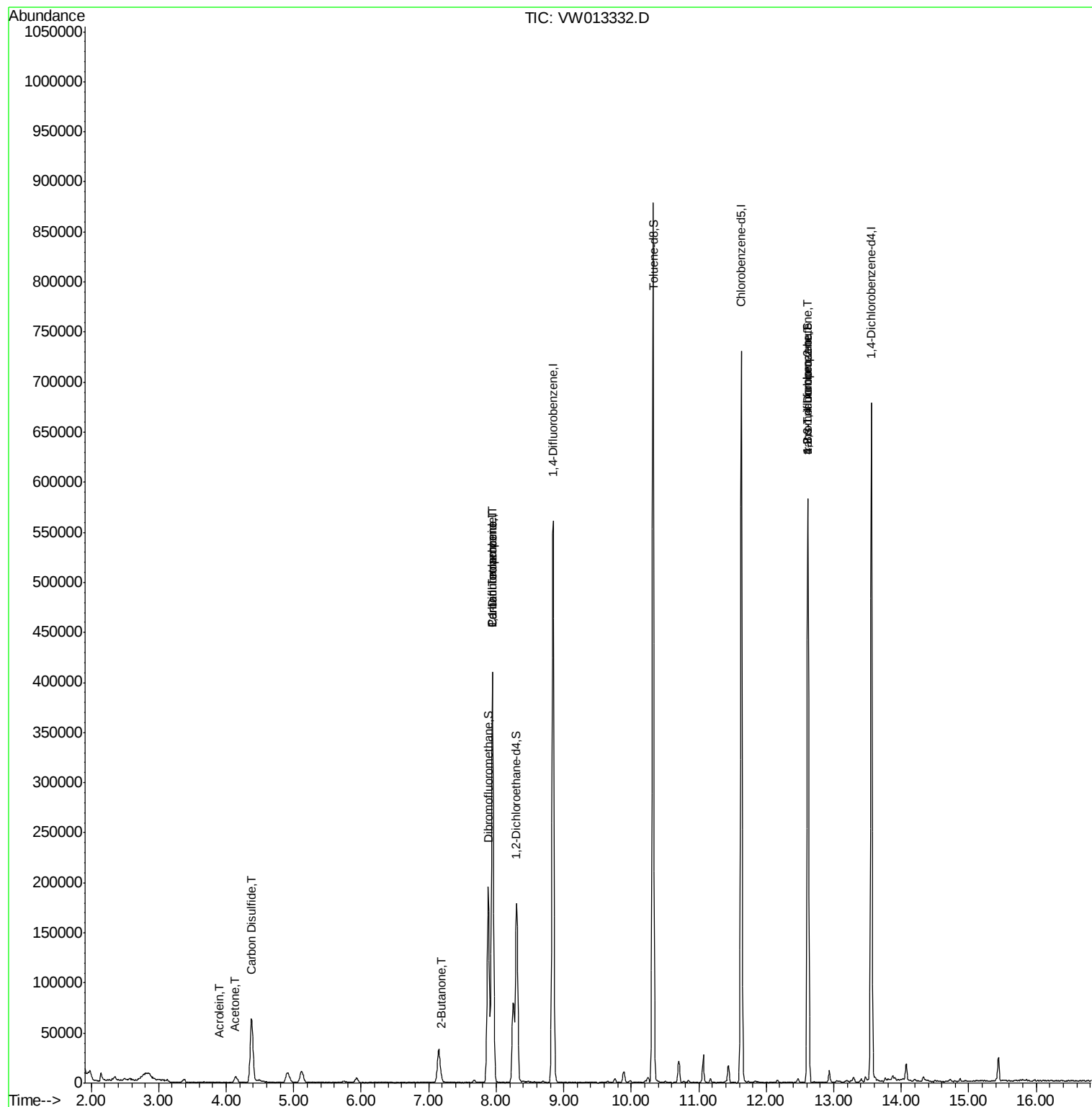
					Qvalue	
11) Tert butyl alcohol	5.22	59	1424	Below Cal	#	80
13) Acrolein	3.90	56	462	2.848	ug/l	84
16) Acetone	4.14	43	12247	19.273	ug/l #	88
17) Carbon Disulfide	4.37	76	149028	16.070	ug/l	99
20) Methylene Chloride	4.92	84	8519	Below Cal	#	93
25) 2-Butanone	7.19	43	4106	4.304	ug/l #	71
26) 2,2-Dichloropropane	7.15	77	2613	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	21575	4.372	ug/l #	49
38) Carbon Tetrachloride	7.94	117	29203	6.602	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	89023	51.219	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89023	114.932	ug/l #	12

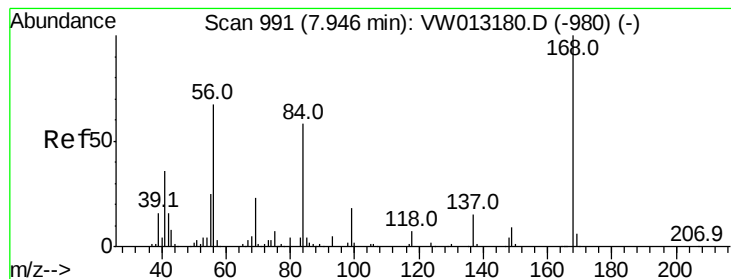
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 20 15:58:08 2019
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: VW013332.D

Acq: 30 Sep 2019 14:52

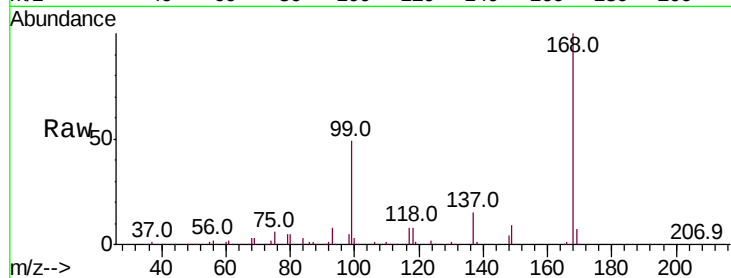
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 345250

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

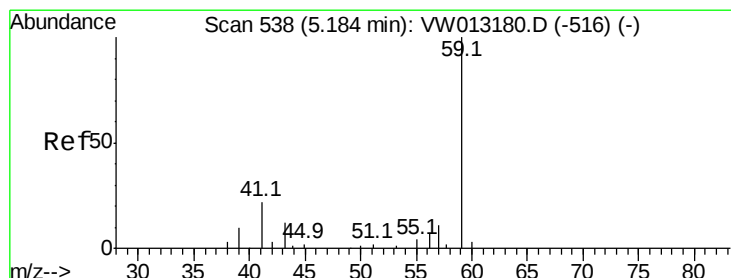
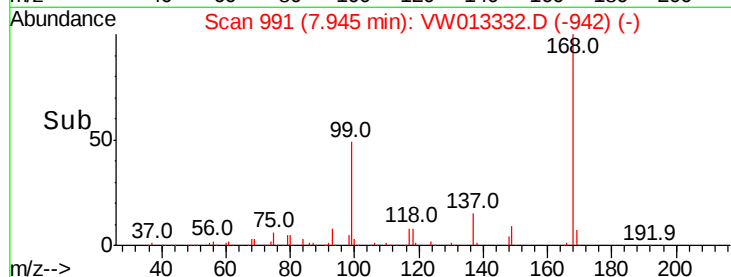
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.04 min

Lab File: VW013332.D

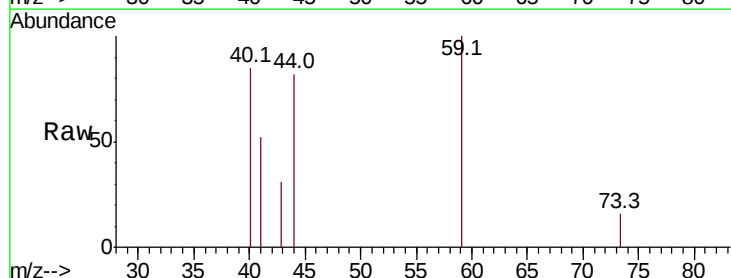
Acq: 30 Sep 2019 14:52

Tgt Ion: 59 Resp: 1424

Ion Ratio Lower Upper

59 100

57 2.9 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

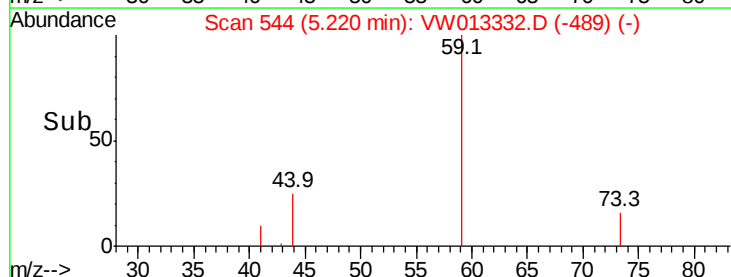
Ion 57.00 (56.70 to 57.70): VW

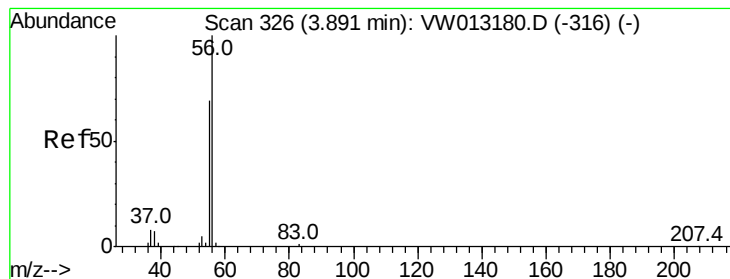
1000

500

0

Time--> 5.20 5.25 5.30





#13

Acrolein

Concen: 2.848 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

Instrument :

MSVOA_W

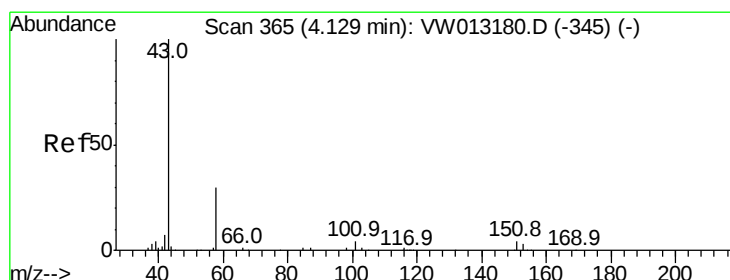
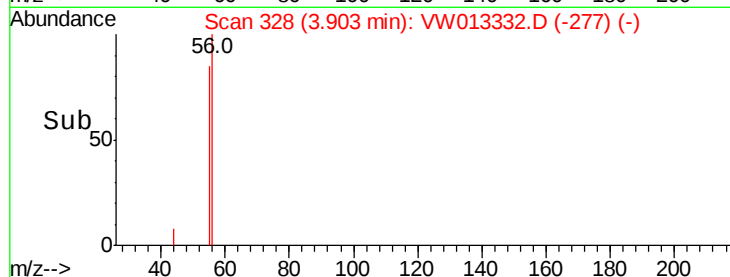
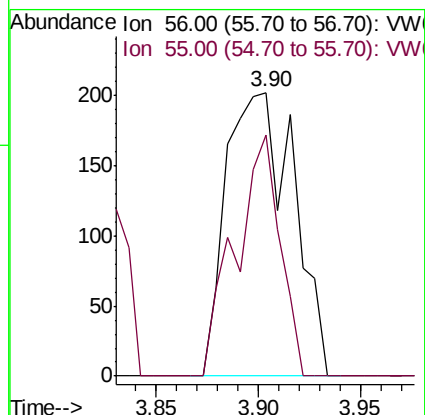
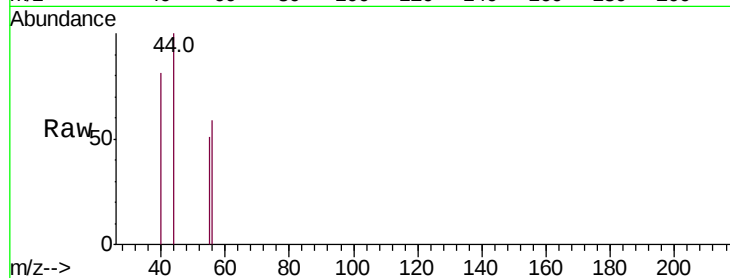
ClientSampled :

Tot Ion: 56 Resp: 462

Ion Ratio Lower Upper

56 100

55 56.5 55.4 83.0



#16

Acetone

Concen: 19.273 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013332.D

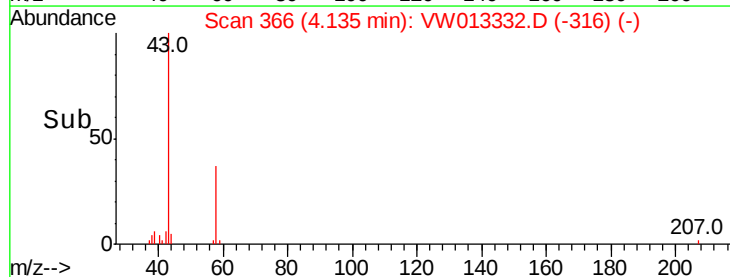
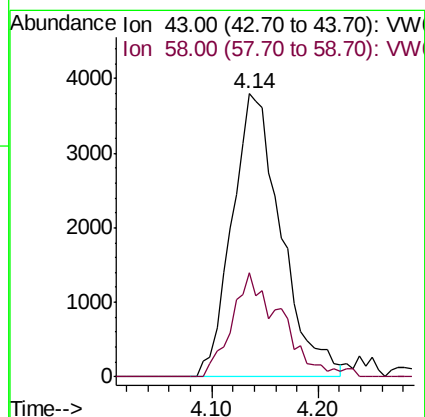
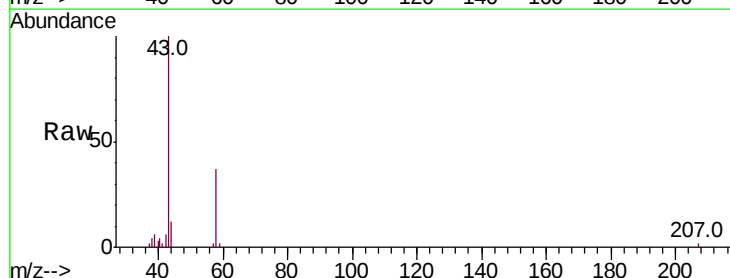
Acq: 30 Sep 2019 14:52

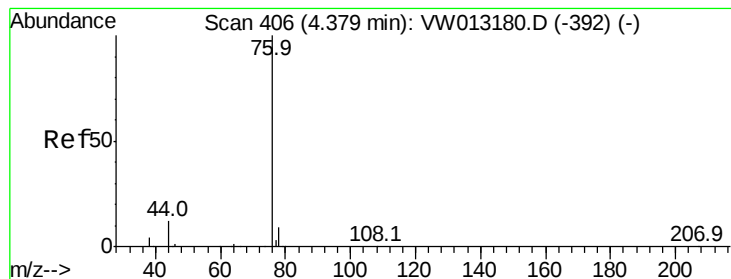
Tgt Ion: 43 Resp: 12247

Ion Ratio Lower Upper

43 100

58 36.7 24.1 36.1#





#17

Carbon Disulfide

Concen: 16.070 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

Instrument :

MSVOA_W

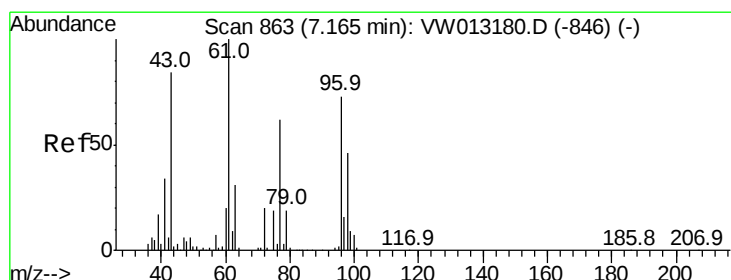
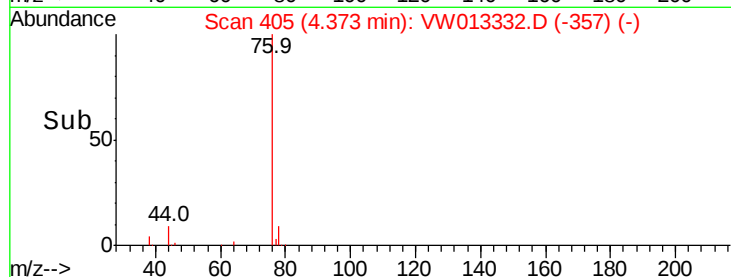
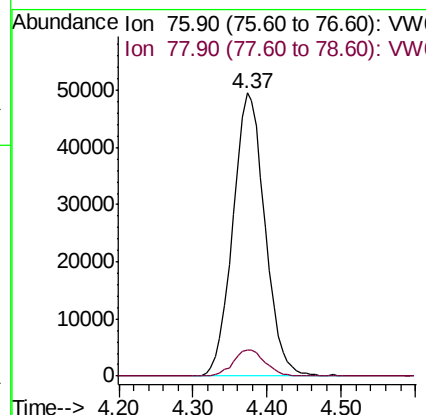
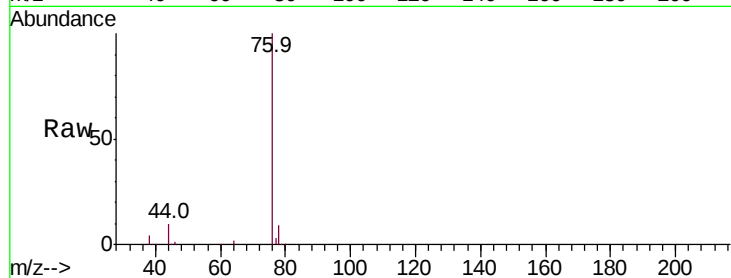
ClientSampled :

Tot Ion: 76 Resp: 149028

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#25

2-Butanone

Concen: 4.304 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013332.D

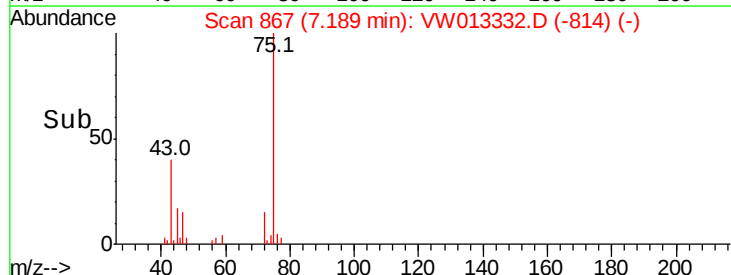
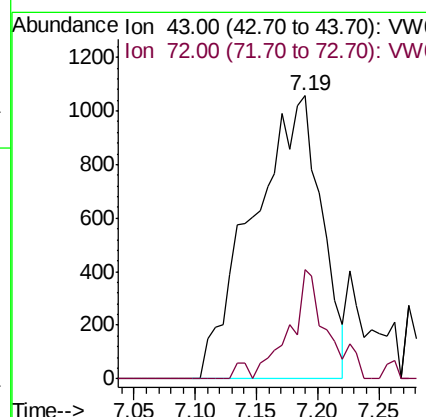
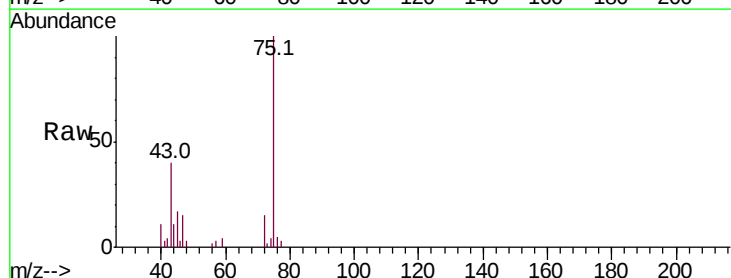
Acq: 30 Sep 2019 14:52

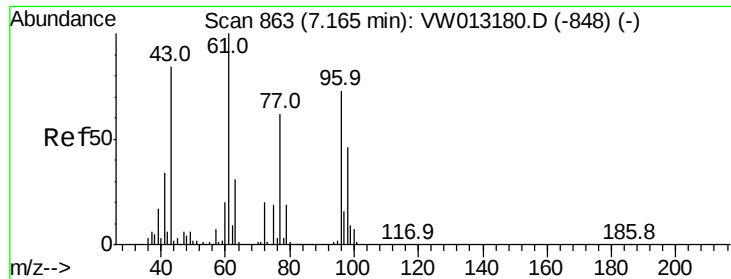
Tgt Ion: 43 Resp: 4106

Ion Ratio Lower Upper

43 100

72 38.4 19.4 29.0#

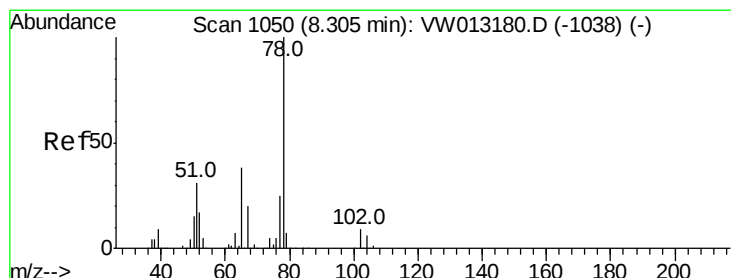
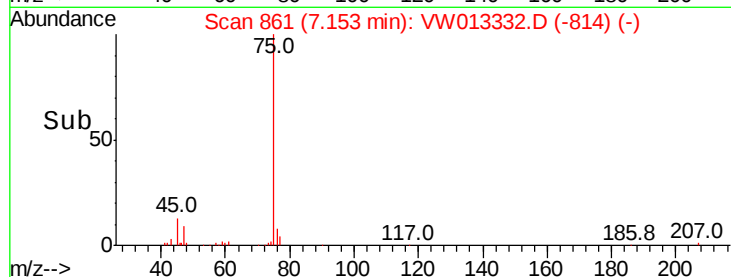
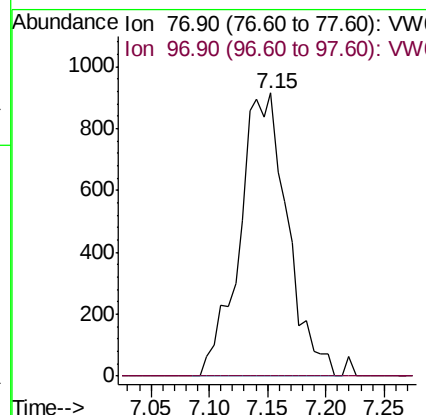
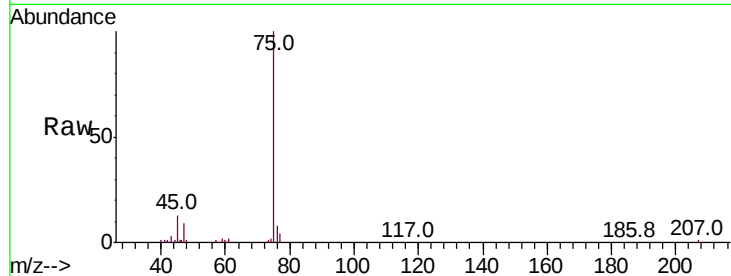




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VW013332.D
 Acq: 30 Sep 2019 14:52

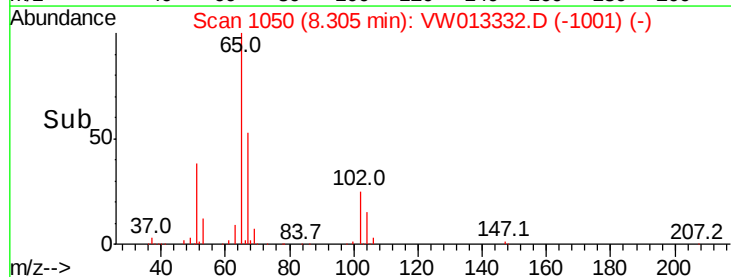
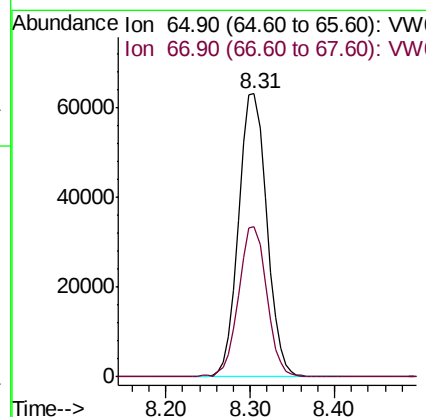
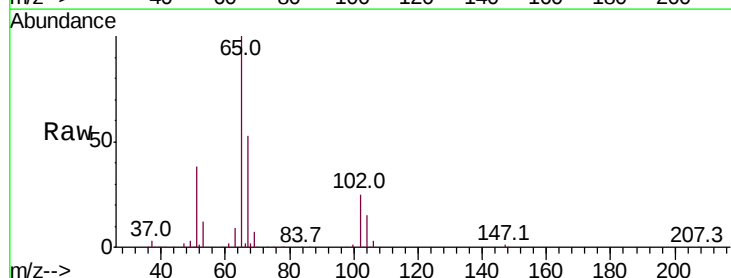
Instrument :
 MSVOA_W
 ClientSampled :

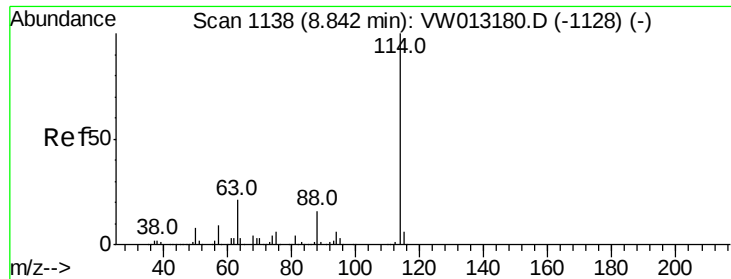
Tot Ion: 77 Resp: 2613
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#33
 1,2-Dichloroethane-d4
 Concen: 50.677 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013332.D
 Acq: 30 Sep 2019 14:52

Tgt Ion: 65 Resp: 142794
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2

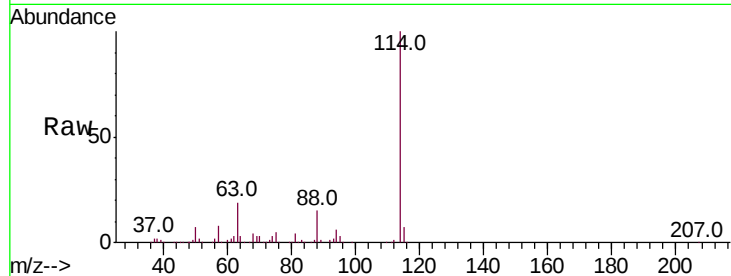




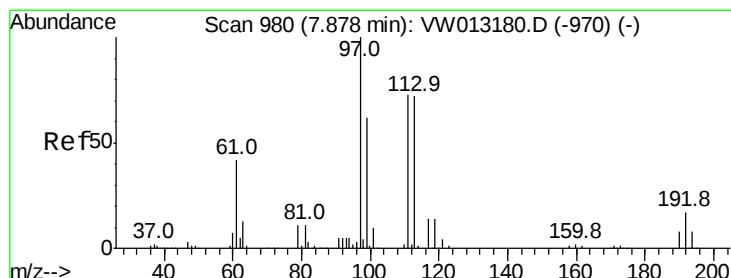
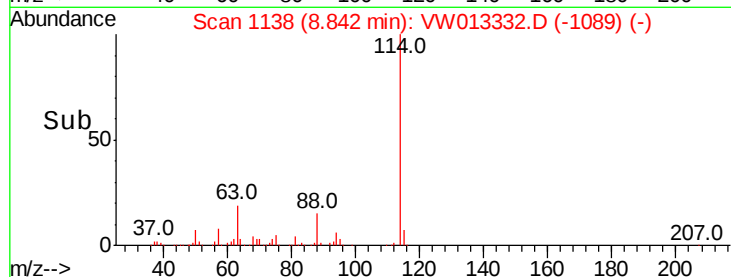
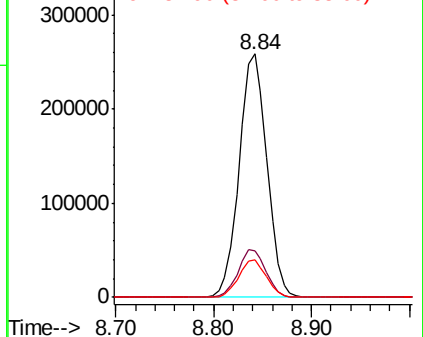
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013332.D
Acq: 30 Sep 2019 14:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 509454
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.4
88 15.2 0.0 32.0

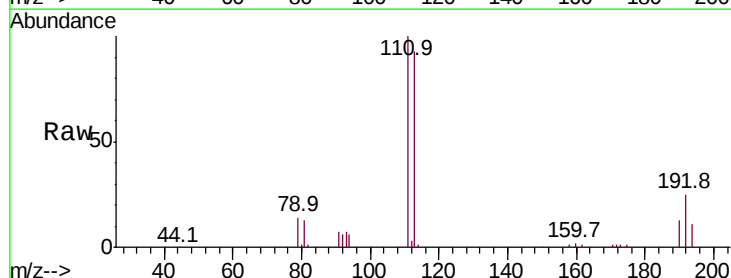


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

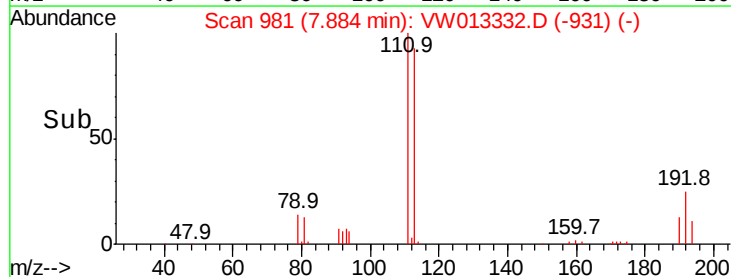
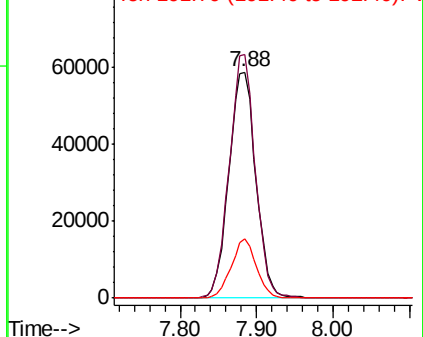


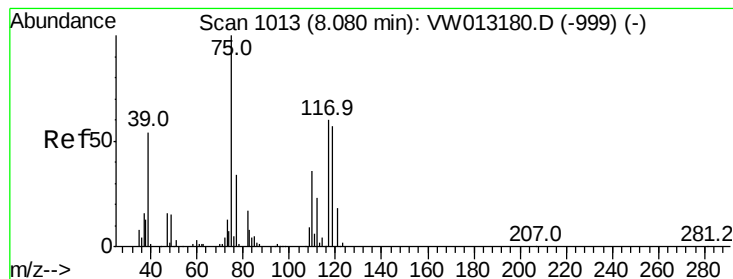
#35
Dibromofluoromethane
Concen: 51.293 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013332.D
Acq: 30 Sep 2019 14:52

Tgt Ion:113 Resp: 143723
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 24.4 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: 4.372 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

Instrument :
MSVOA_W
ClientSampleId :

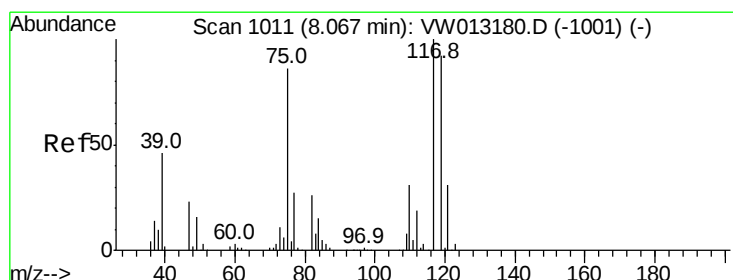
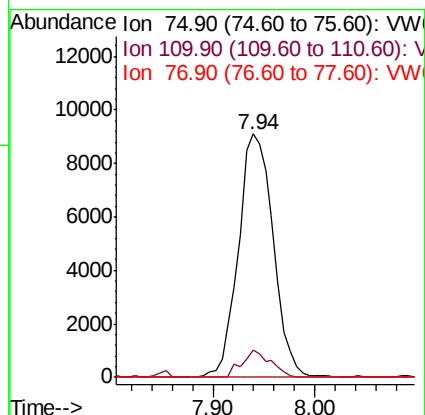
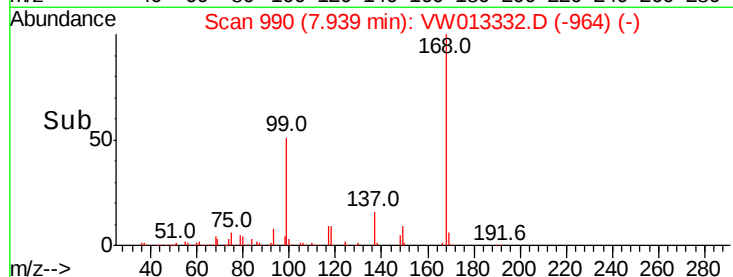
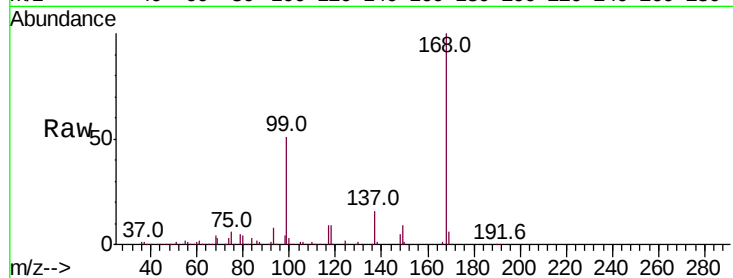
Tot Ion: 75 Resp: 21575

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.3#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.602 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

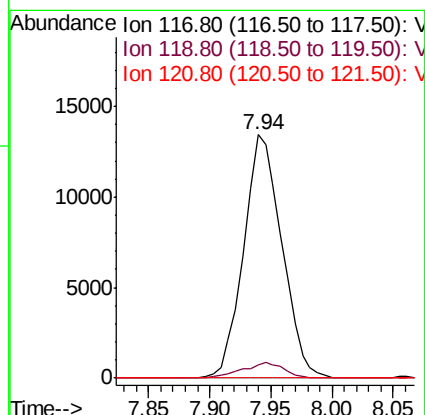
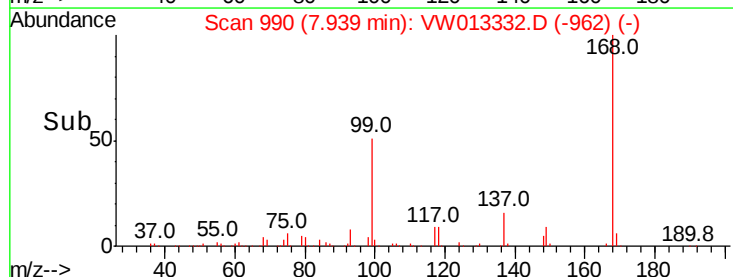
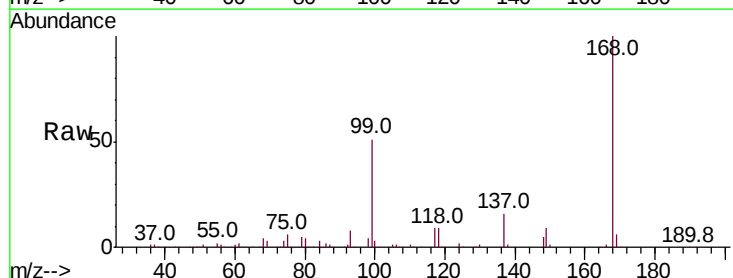
Tgt Ion: 117 Resp: 29203

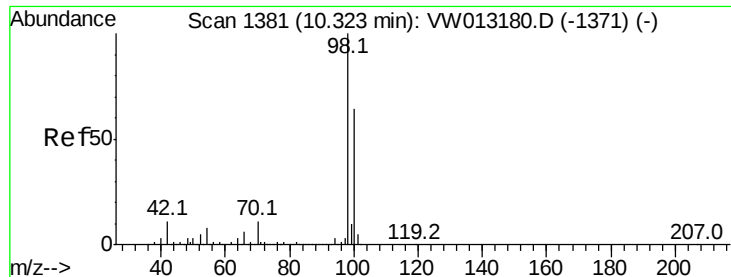
Ion Ratio Lower Upper

117 100

119 5.2 73.5 110.3#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 50.190 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

Instrument :

MSVOA_W

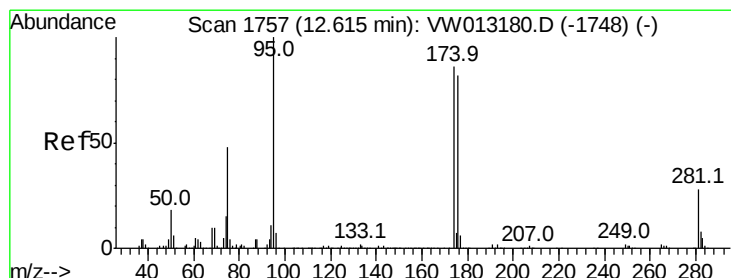
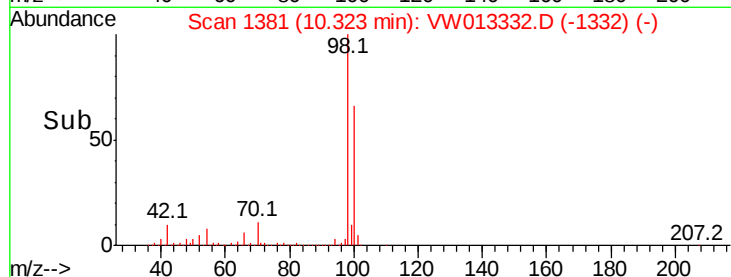
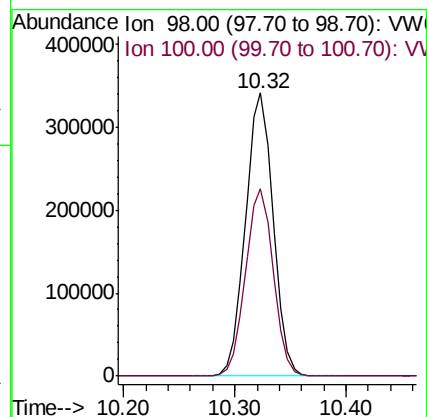
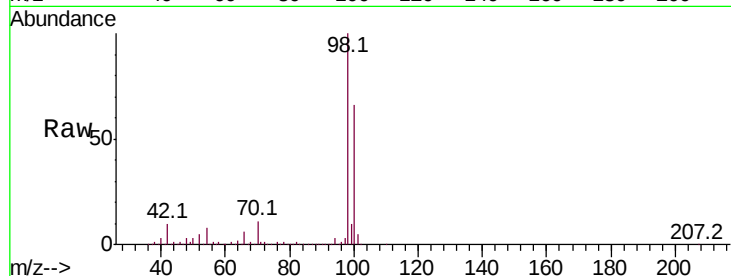
ClientSampleId :

Tot Ion: 98 Resp: 588561

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 47.647 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013332.D

Acq: 30 Sep 2019 14:52

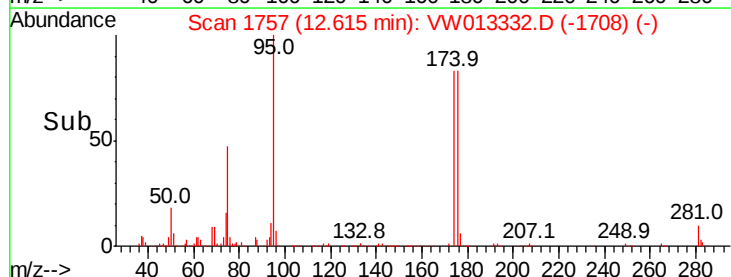
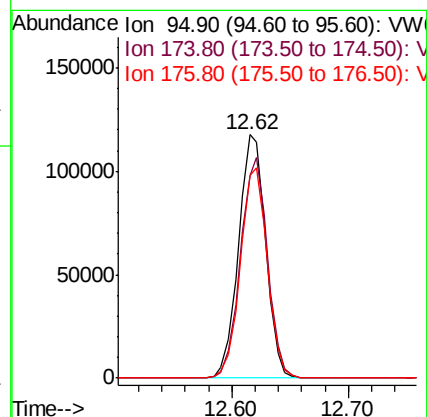
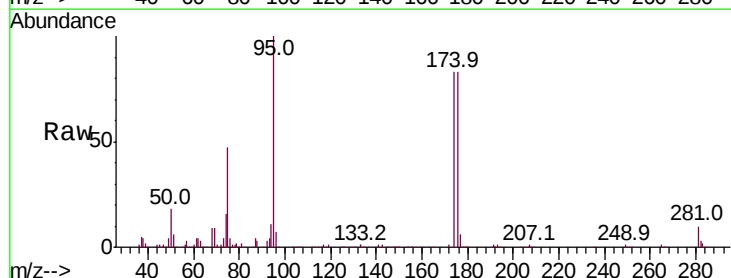
Tgt Ion: 95 Resp: 190861

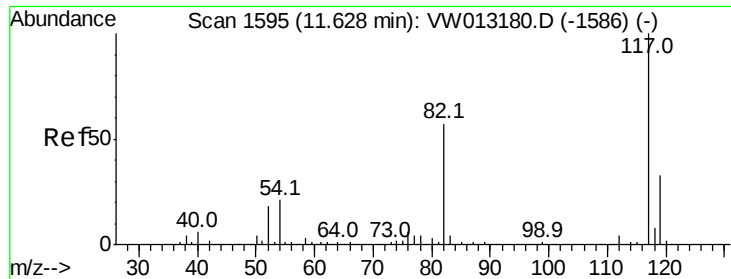
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.4

176 85.7 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: VW013332.D

Acq: 30 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

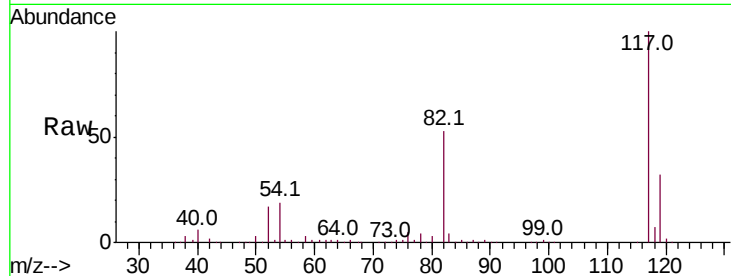
Tot Ion:117 Resp: 433893

Ion Ratio Lower Upper

117 100

82 53.3 45.9 68.9

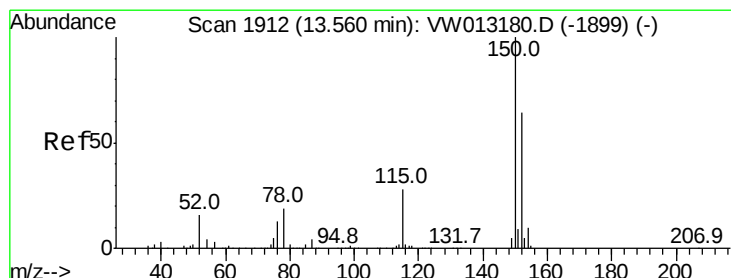
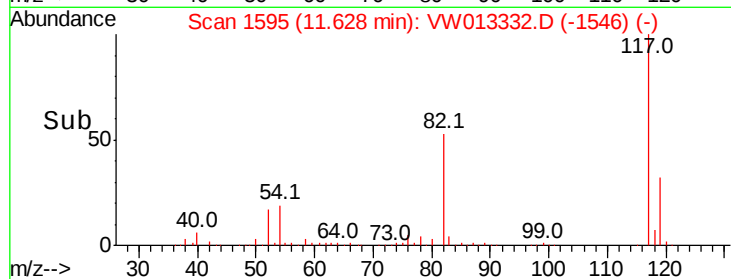
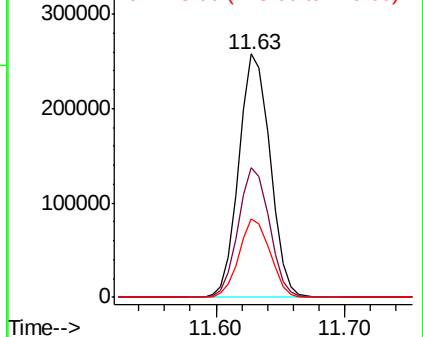
119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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: VW013332.D

Acq: 30 Sep 2019 14:52

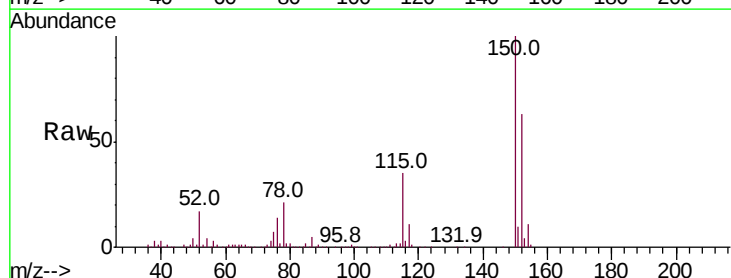
Tgt Ion:152 Resp: 196808

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

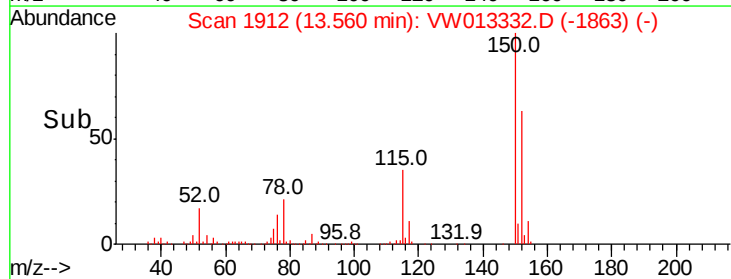
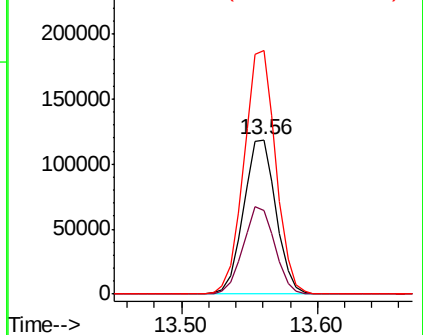
150 155.2 0.0 349.0

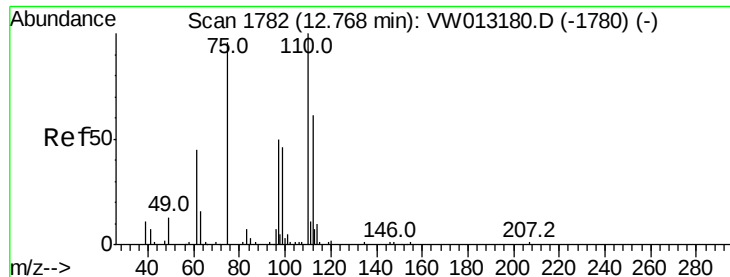


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



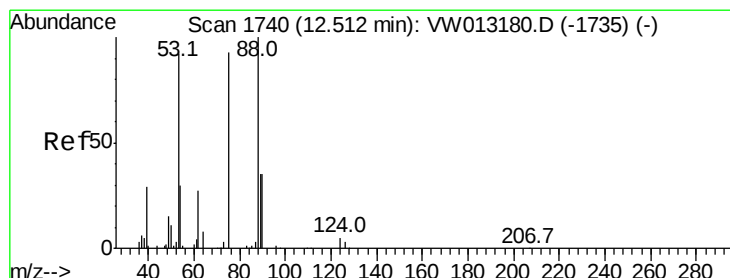
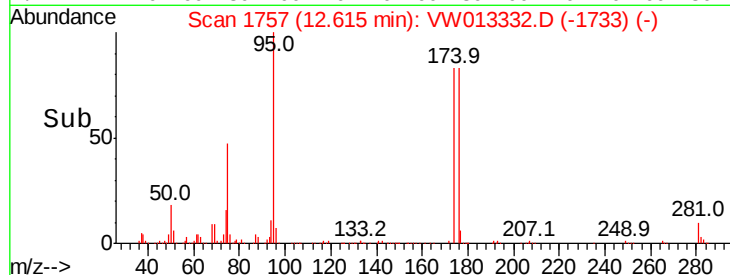
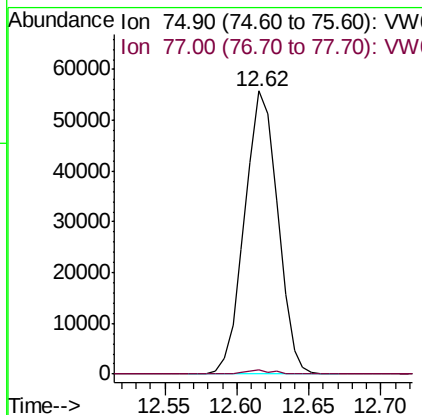
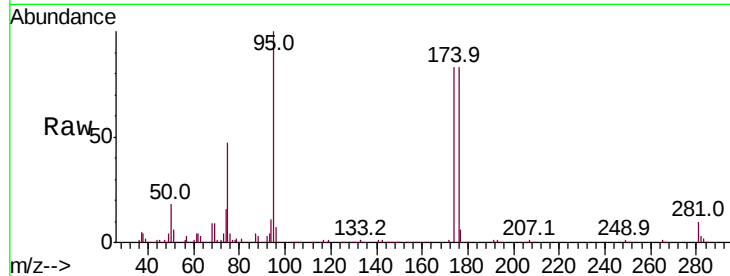


#76

1,2,3-Trichloropropane
Concen: 51.219 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013332.D
Acq: 30 Sep 2019 14:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 89023
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 114.932 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013332.D
Acq: 30 Sep 2019 14:52

Tgt Ion: 75 Resp: 89023
Ion Ratio Lower Upper
75 100
53 0.1 76.6 114.8#
89 0.0 33.5 50.3#

