

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013210.D
 Acq On : 21 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4939-04
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:59:28 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	318119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171994	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	134628	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	132514	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.32	98	545097	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	170848	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

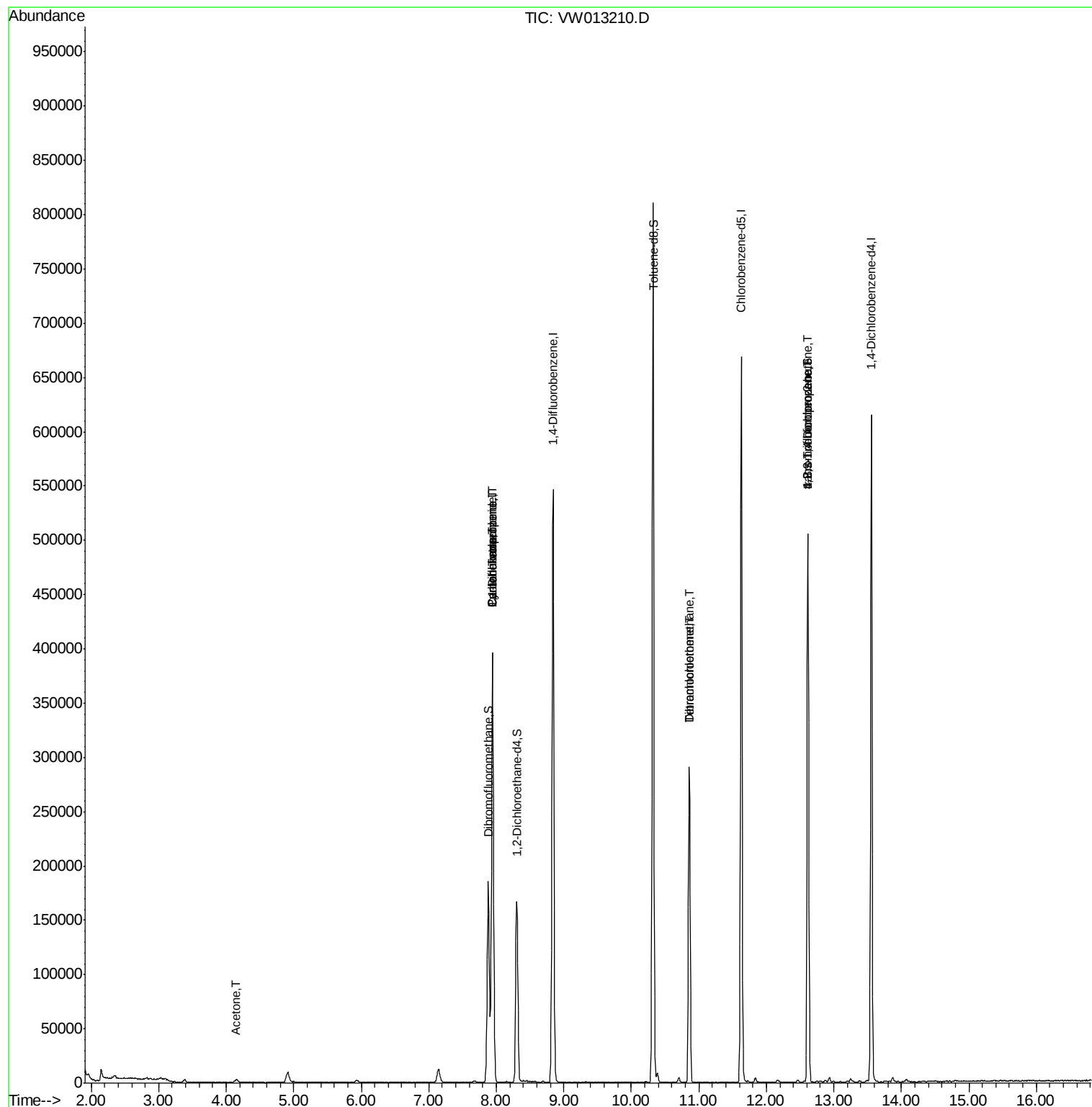
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	577	Below Cal	#	73
16) Acetone	4.15	43	6093	10.407	ug/l #	61
20) Methylene Chloride	4.90	84	7718	Below Cal	#	80
26) 2,2-Dichloropropane	7.15	77	1054	Below Cal	#	52
31) Cyclohexane	7.95	56	5940	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20222	4.355	ug/l #	49
38) Carbon Tetrachloride	7.94	117	27666	6.647	ug/l #	18
60) Dibromochloromethane	10.86	129	58838	22.584	ug/l #	11
64) Tetrachloroethene	10.86	164	73379	24.674	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	79593	52.401	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79593	117.582	ug/l #	12

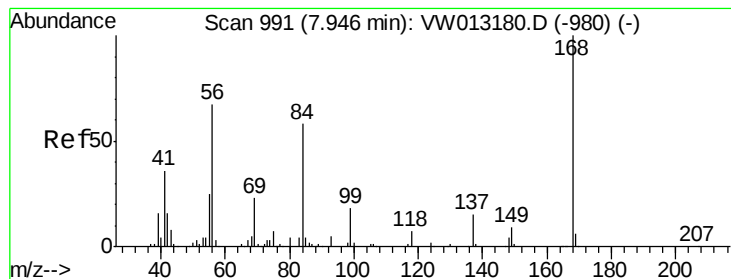
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013210.D

Acq: 21 Sep 2019 03:56

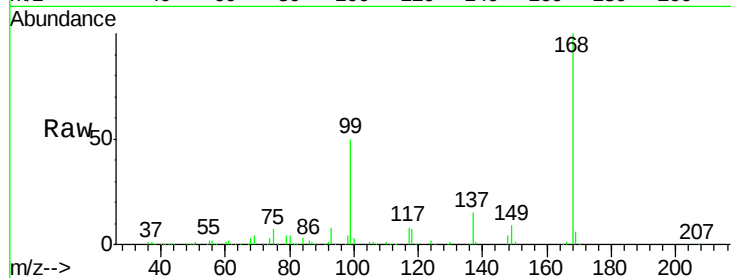
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 318119

Ion Ratio Lower Upper

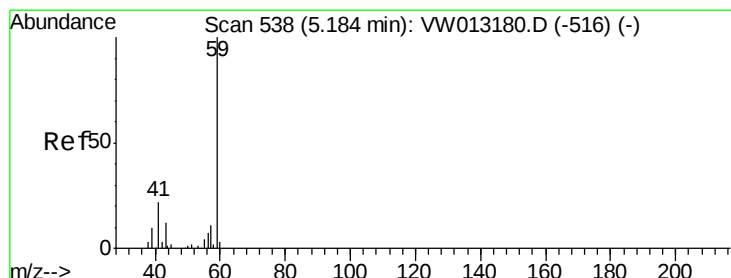
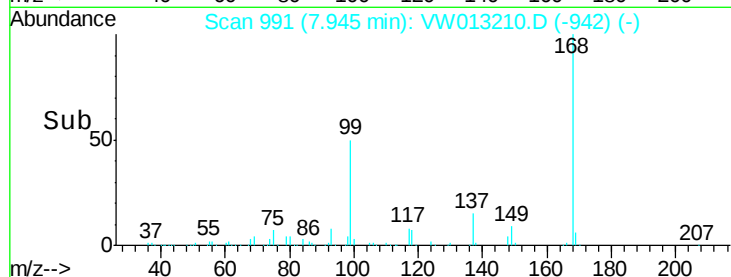
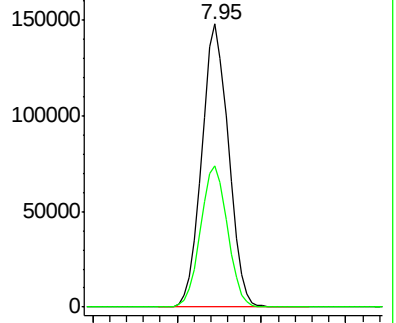
168 100

99 50.0 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: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW013210.D

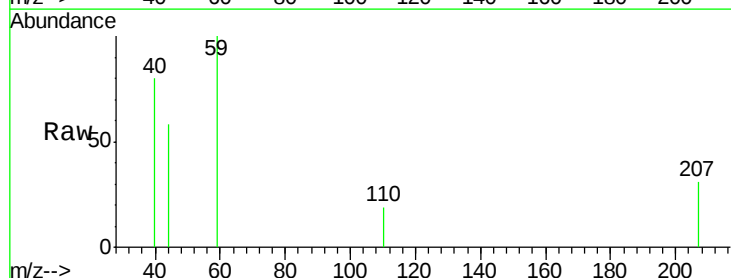
Acq: 21 Sep 2019 03:56

Tgt Ion: 59 Resp: 577

Ion Ratio Lower Upper

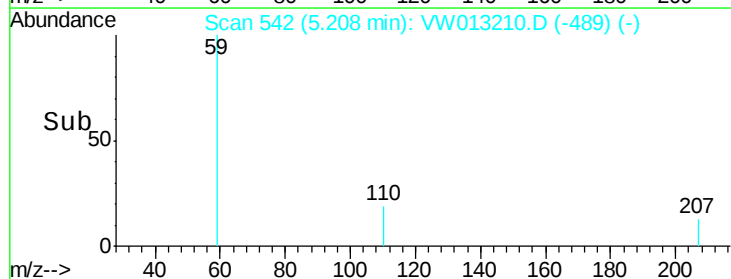
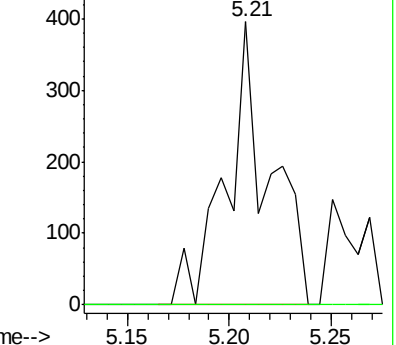
59 100

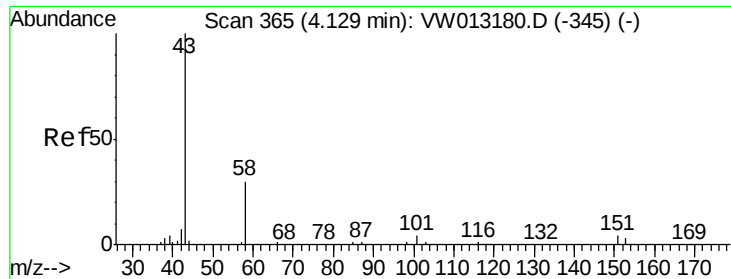
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.407 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013210.D

Acq: 21 Sep 2019 03:56

Instrument :

MSVOA_W

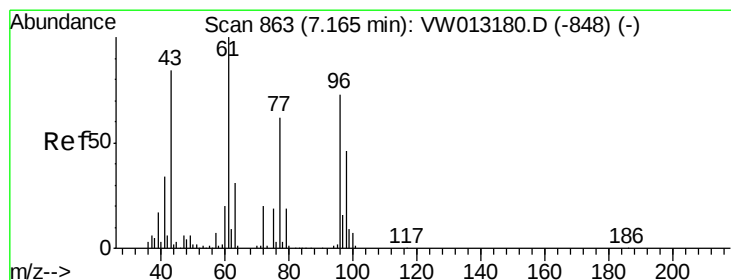
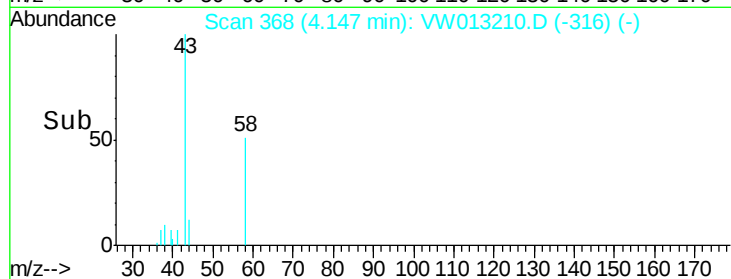
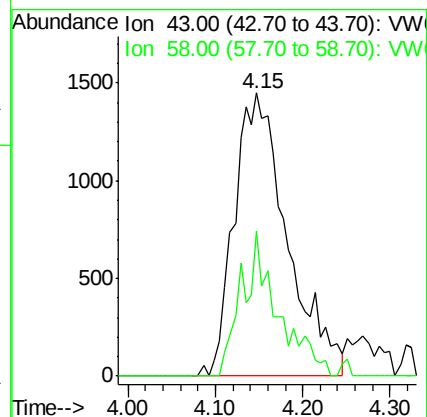
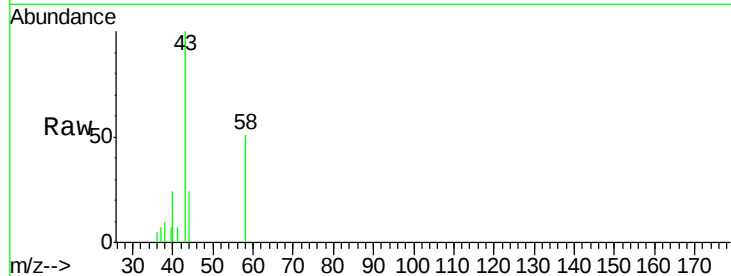
ClientSampled :

Tot Ion: 43 Resp: 6093

Ion Ratio Lower Upper

43 100

58 51.2 24.1 36.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013210.D

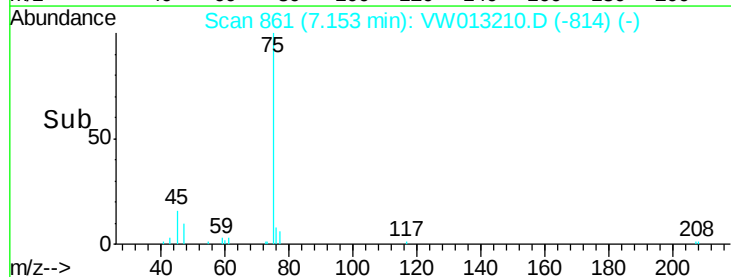
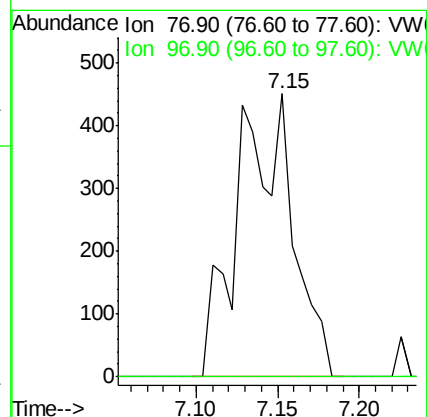
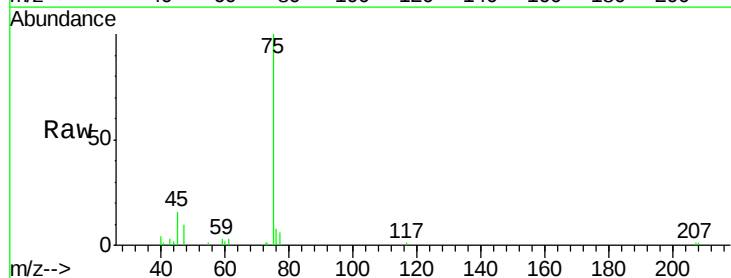
Acq: 21 Sep 2019 03:56

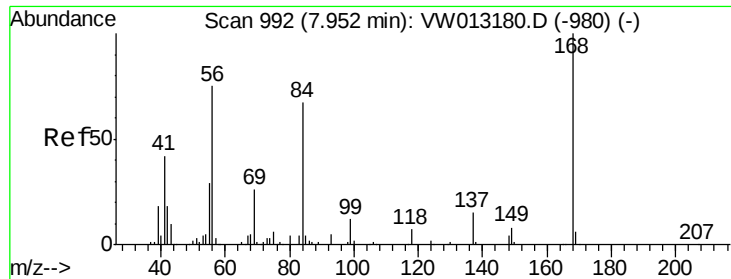
Tgt Ion: 77 Resp: 1054

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

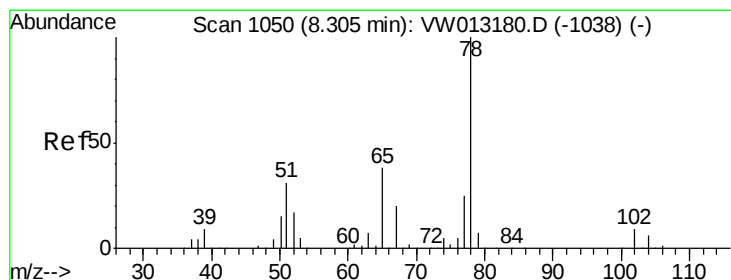
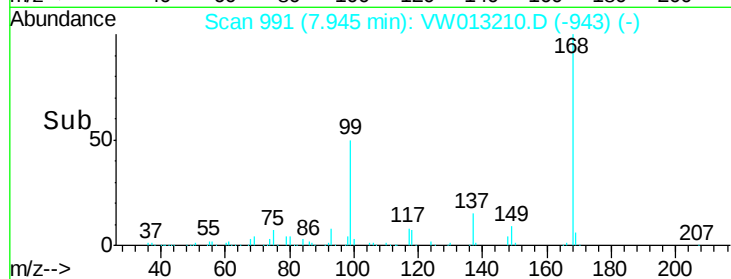
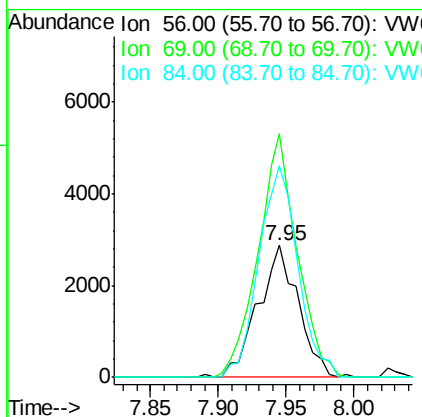
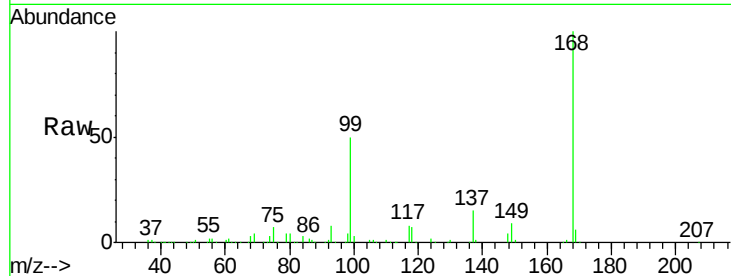




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

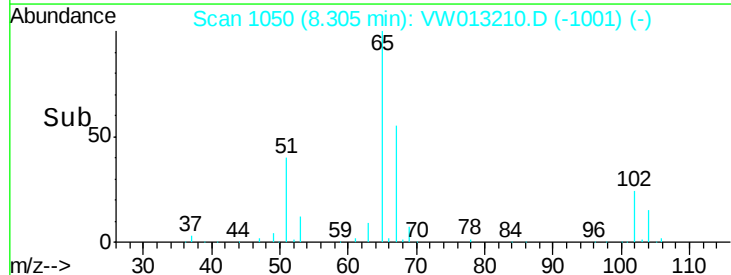
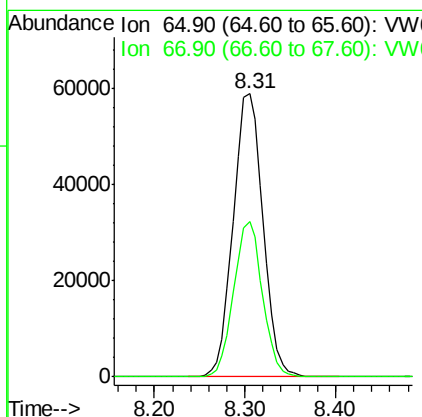
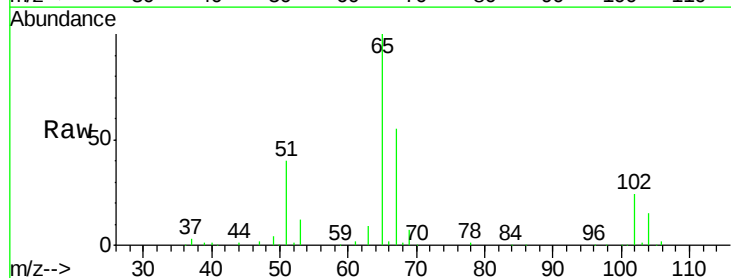
Instrument :
MSVOA_W
ClientSampled :

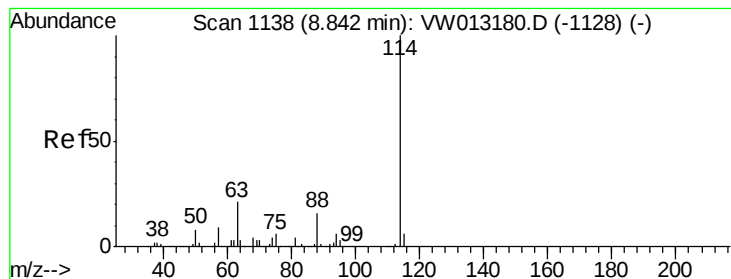
Tot Ion: 56 Resp: 5940
Ion Ratio Lower Upper
56 100
69 184.2 27.2 40.8#
84 159.7 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 51.853 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

Tgt Ion: 65 Resp: 134628
Ion Ratio Lower Upper
65 100
67 53.0 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: VW013210.D

Acq: 21 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

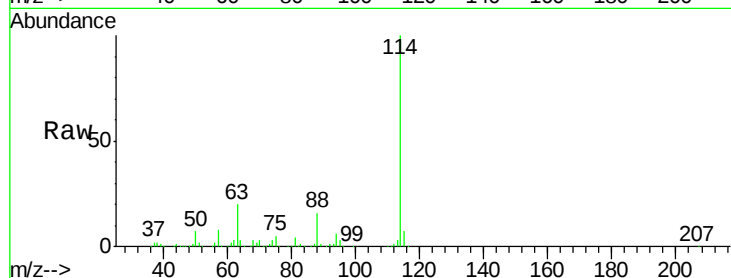
Tot Ion:114 Resp: 479373

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

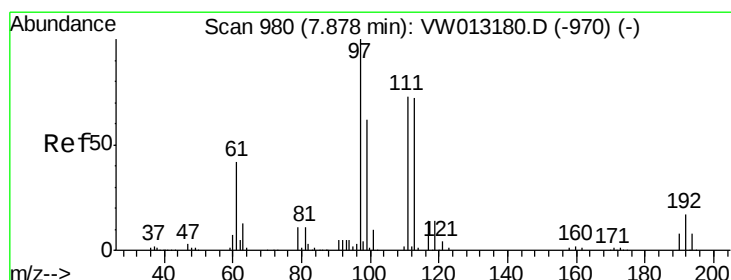
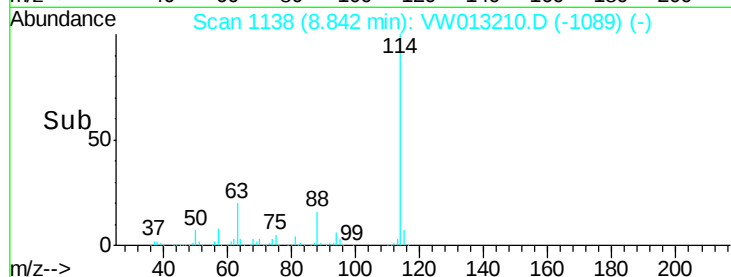
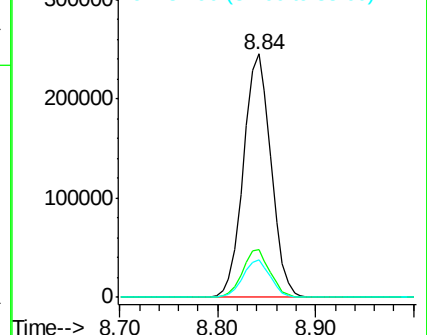
88 15.6 0.0 32.0



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: 50.260 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013210.D

Acq: 21 Sep 2019 03:56

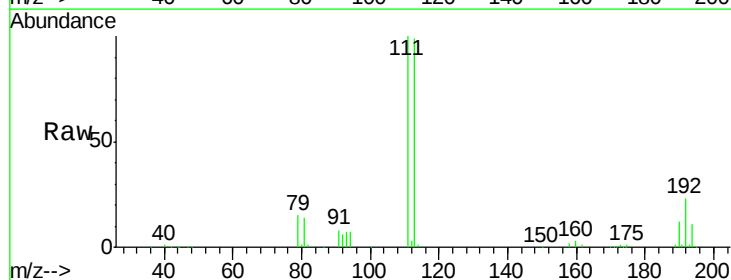
Tgt Ion:113 Resp: 132514

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

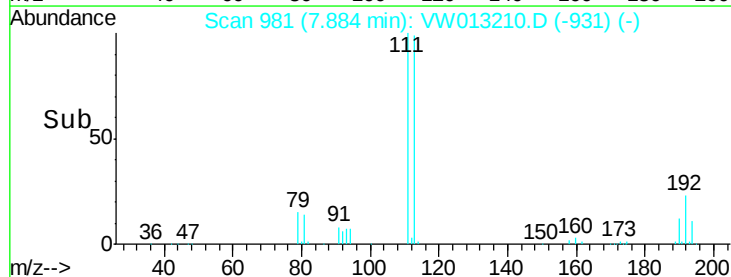
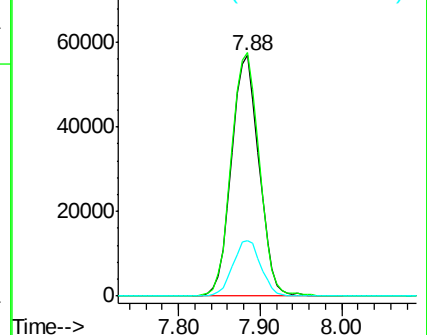
192 23.3 19.1 28.7

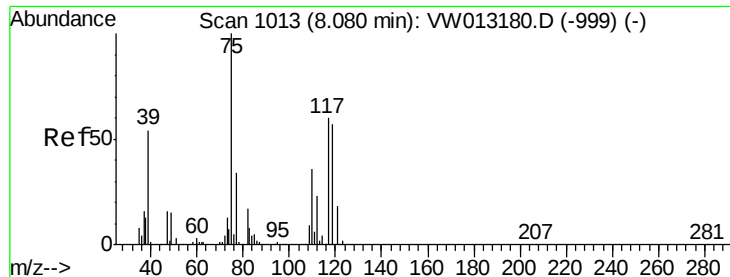


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

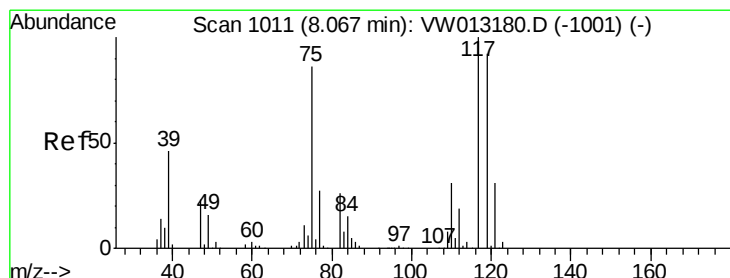
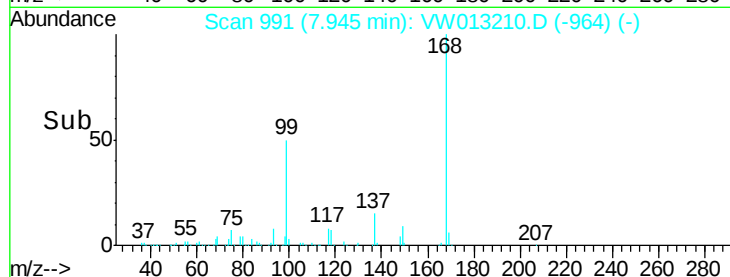
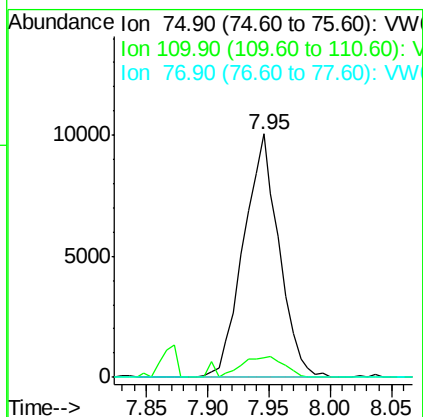
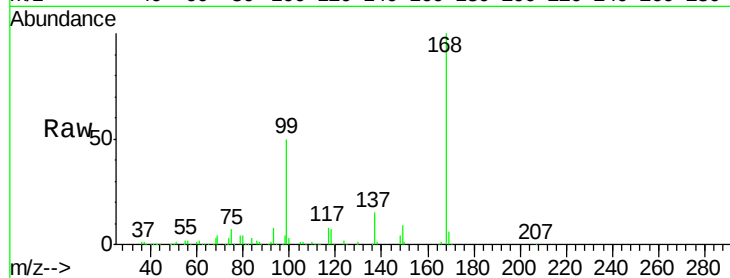




#36
 1,1-Dichloropropene
 Concen: 4.355 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

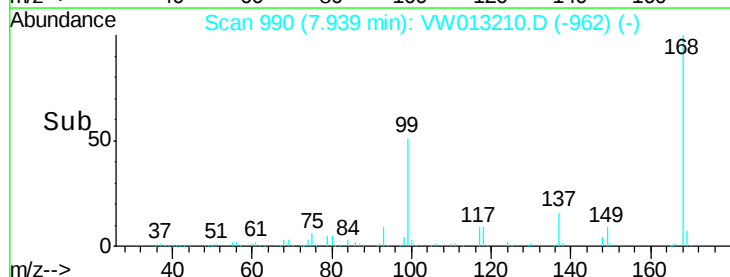
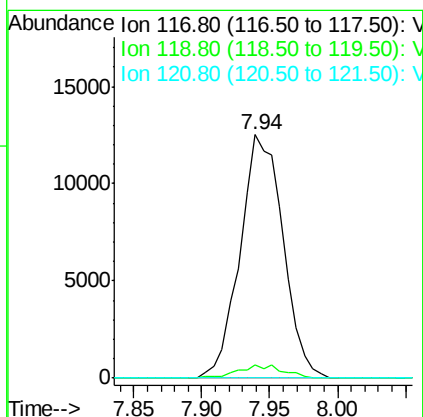
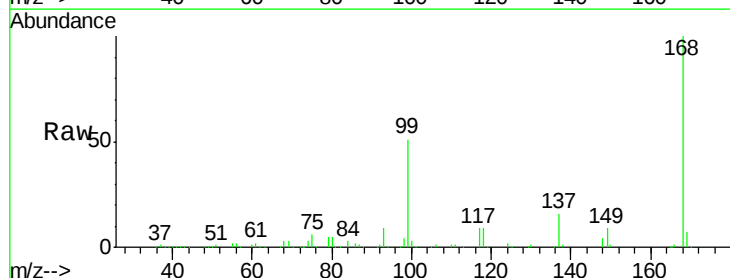
Instrument :
 MSVOA_W
 ClientSampled :

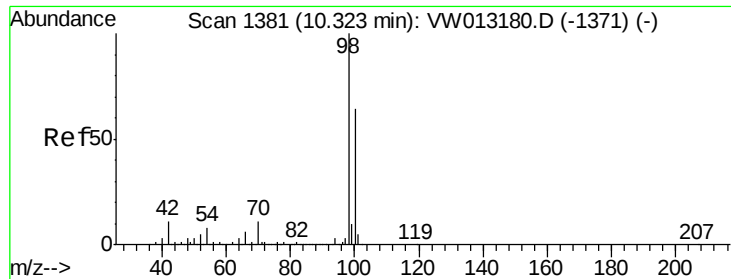
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.647 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	73.5	110.3#
121	0.0	25.0	37.6#

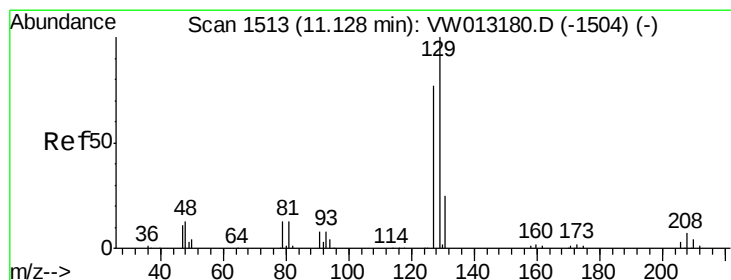
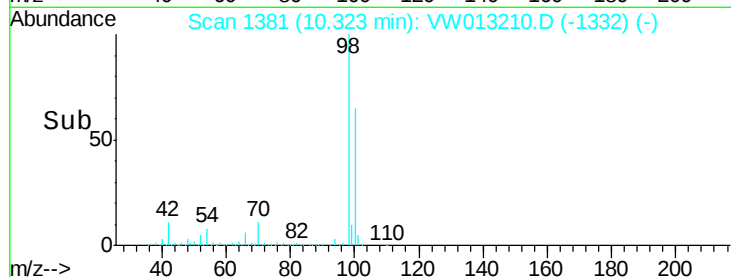
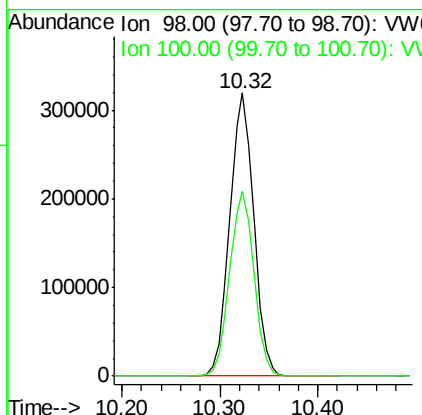
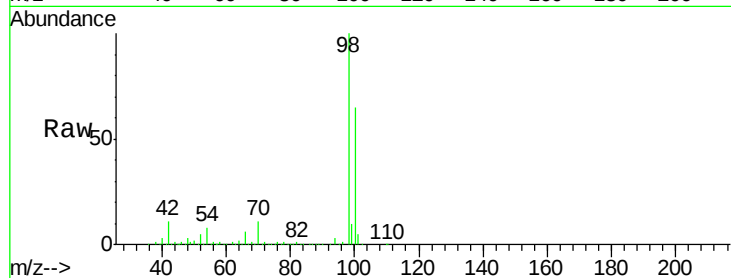




#50
Toluene-d8
Concen: 49.400 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

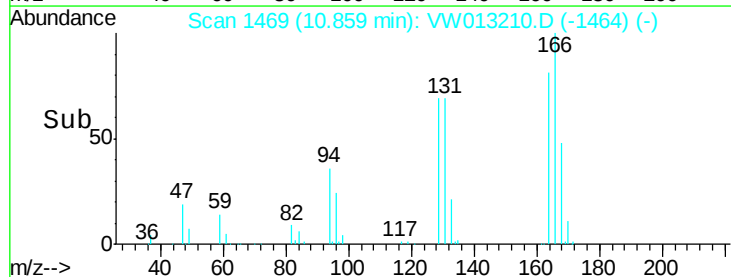
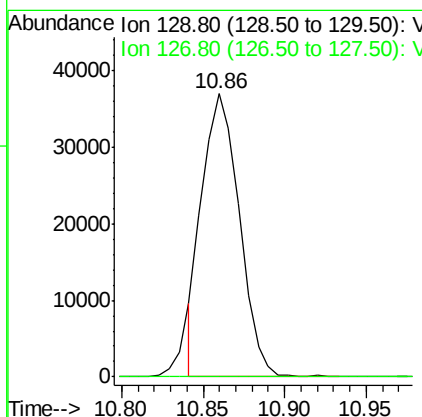
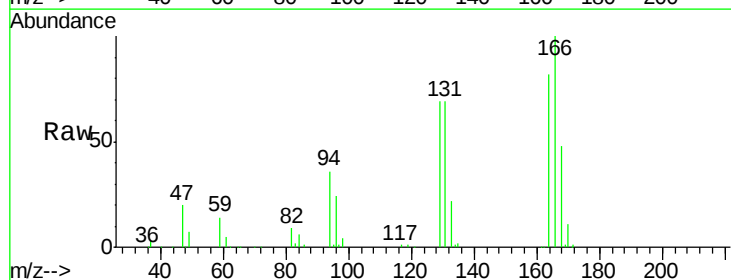
Instrument :
MSVOA_W
ClientSampleId :

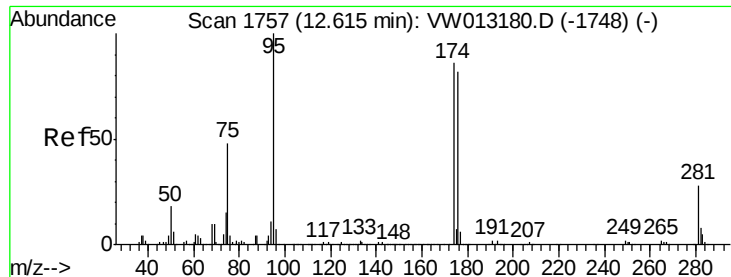
Tot Ion: 98 Resp: 545097
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#60
Dibromochloromethane
Concen: 22.584 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

Tgt Ion: 129 Resp: 58838
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

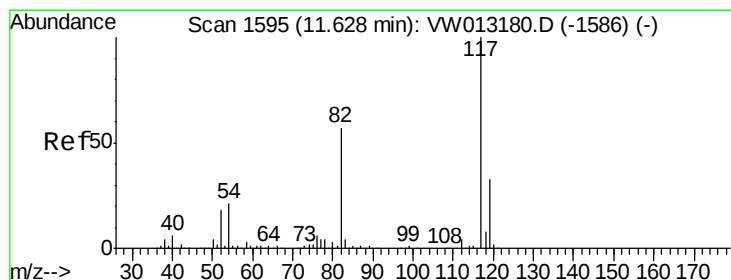
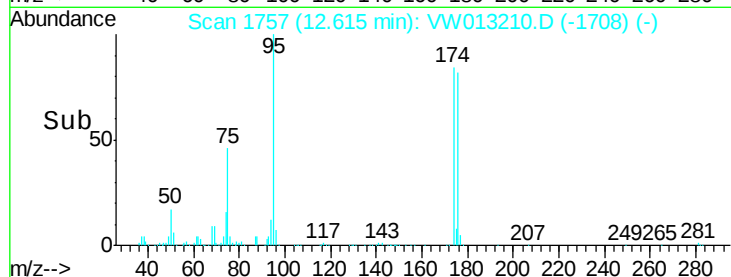
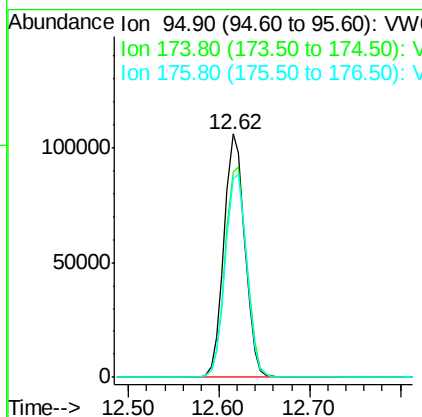
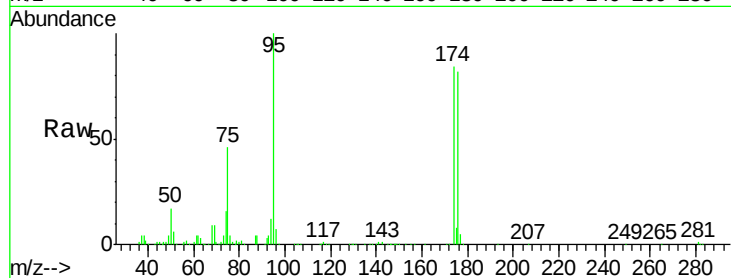




#62
4-Bromofluorobenzene
Concen: 45.327 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

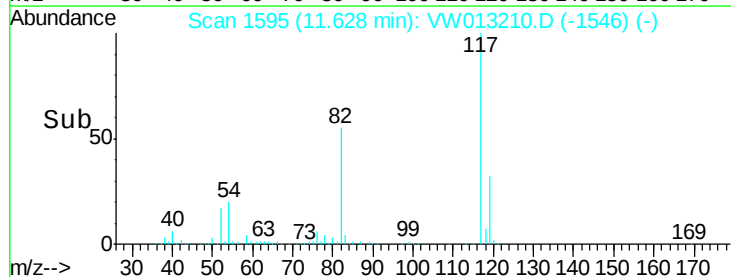
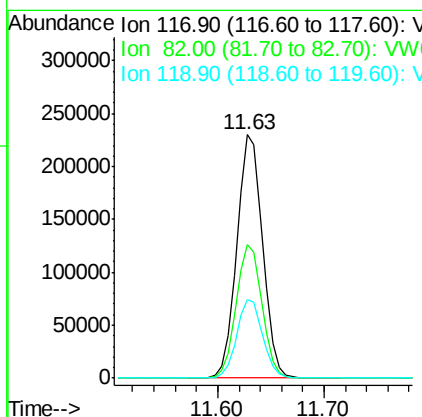
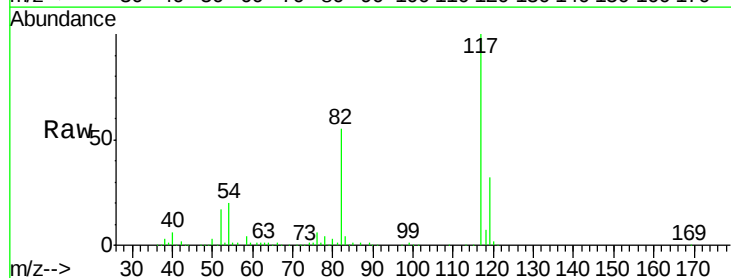
Instrument :
MSVOA_W
ClientSampled :

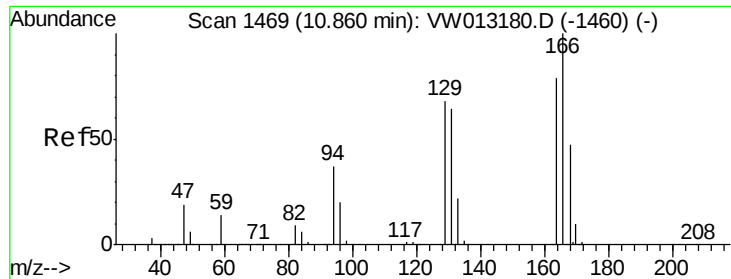
Tot Ion: 95 Resp: 170848
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.4
176 85.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013210.D
Acq: 21 Sep 2019 03:56

Tgt Ion: 117 Resp: 391963
Ion Ratio Lower Upper
117 100
82 55.0 45.9 68.9
119 32.3 26.2 39.2





#64

Tetrachloroethene

Concen: 24.674 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013210.D

Acq: 21 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 73379

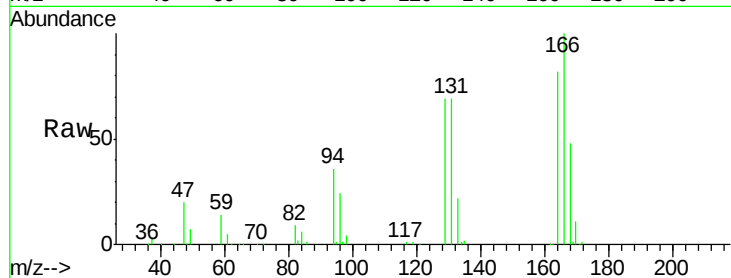
Ion Ratio Lower Upper

164 100

166 122.2 101.2 151.8

129 84.6 68.8 103.2

131 84.2 65.2 97.8

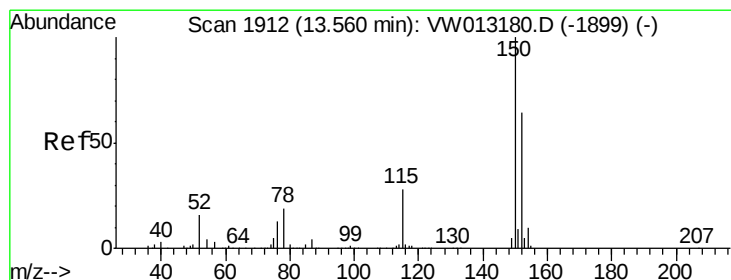
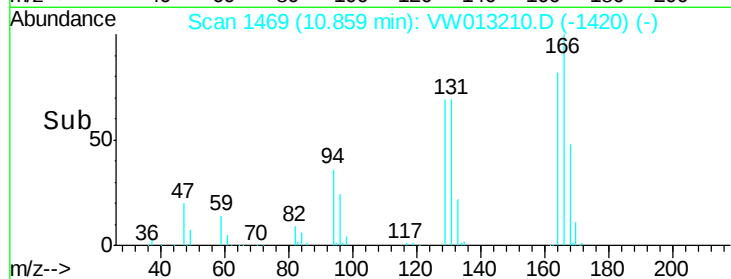
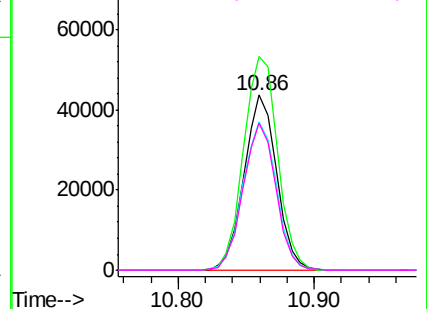


Abundance Ion 163.80 (163.50 to 164.50): V

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: VW013210.D

Acq: 21 Sep 2019 03:56

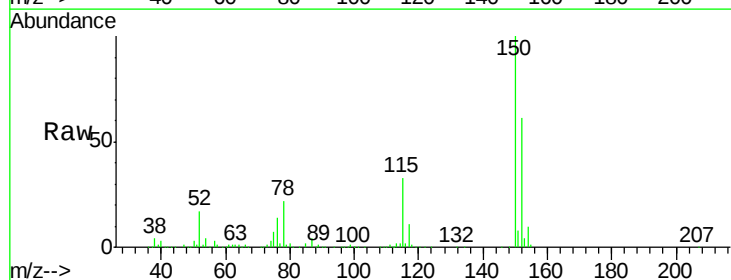
Tgt Ion:152 Resp: 171994

Ion Ratio Lower Upper

152 100

115 56.4 27.3 81.9

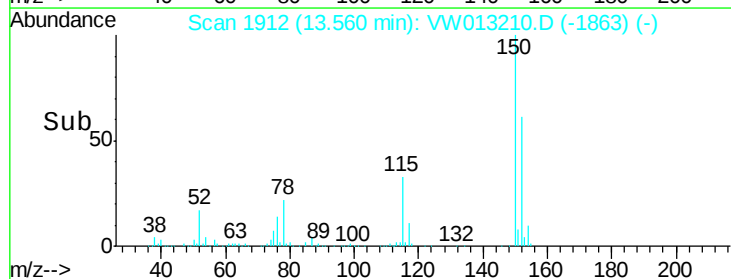
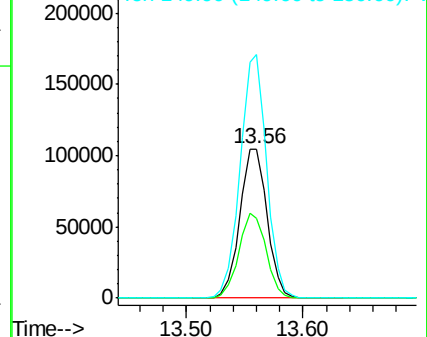
150 157.1 0.0 349.0

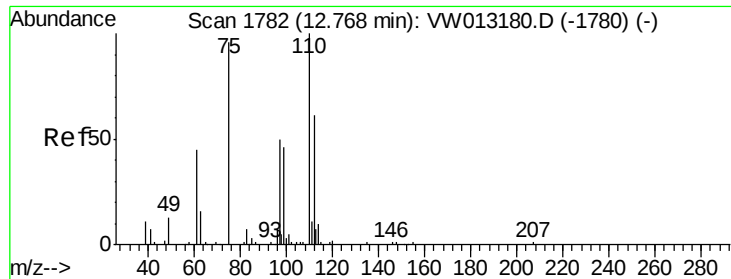


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

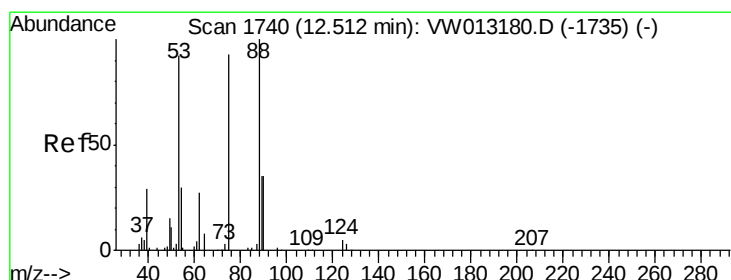
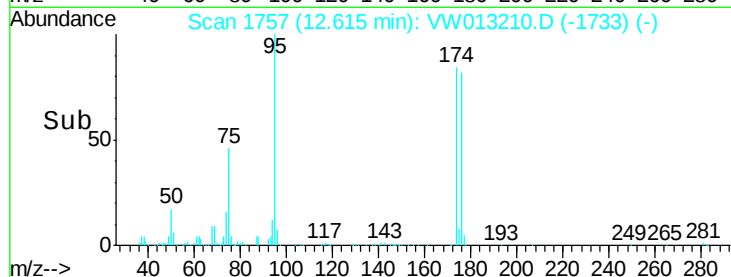
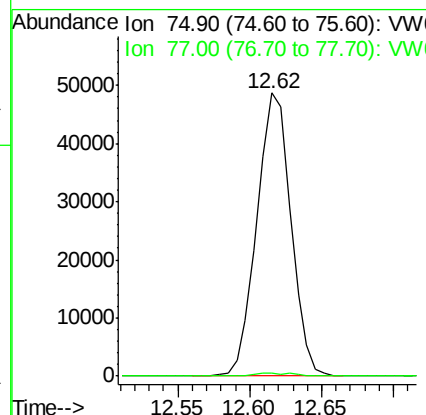
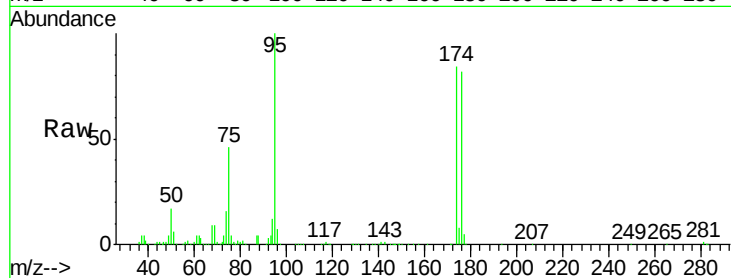




#76
 1,2,3-Trichloropropane
 Concen: 52.401 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 79593
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.582 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013210.D
 Acq: 21 Sep 2019 03:56

Tgt Ion: 75 Resp: 79593
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.0 33.5 50.3#

