

Data File : VW013140.D
Acq On : 19 Sep 2019 04:32
Operator : SY/VA
Sample : K4814-01
Misc : 4.36G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-1

Quant Time: Sep 19 08:04:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	387042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	573458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	450917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	164276	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
35) Dibromofluoromethane	7.88	113	160154	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.32	98	658764	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.62	95	179774	41.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.12%	

Target Compounds

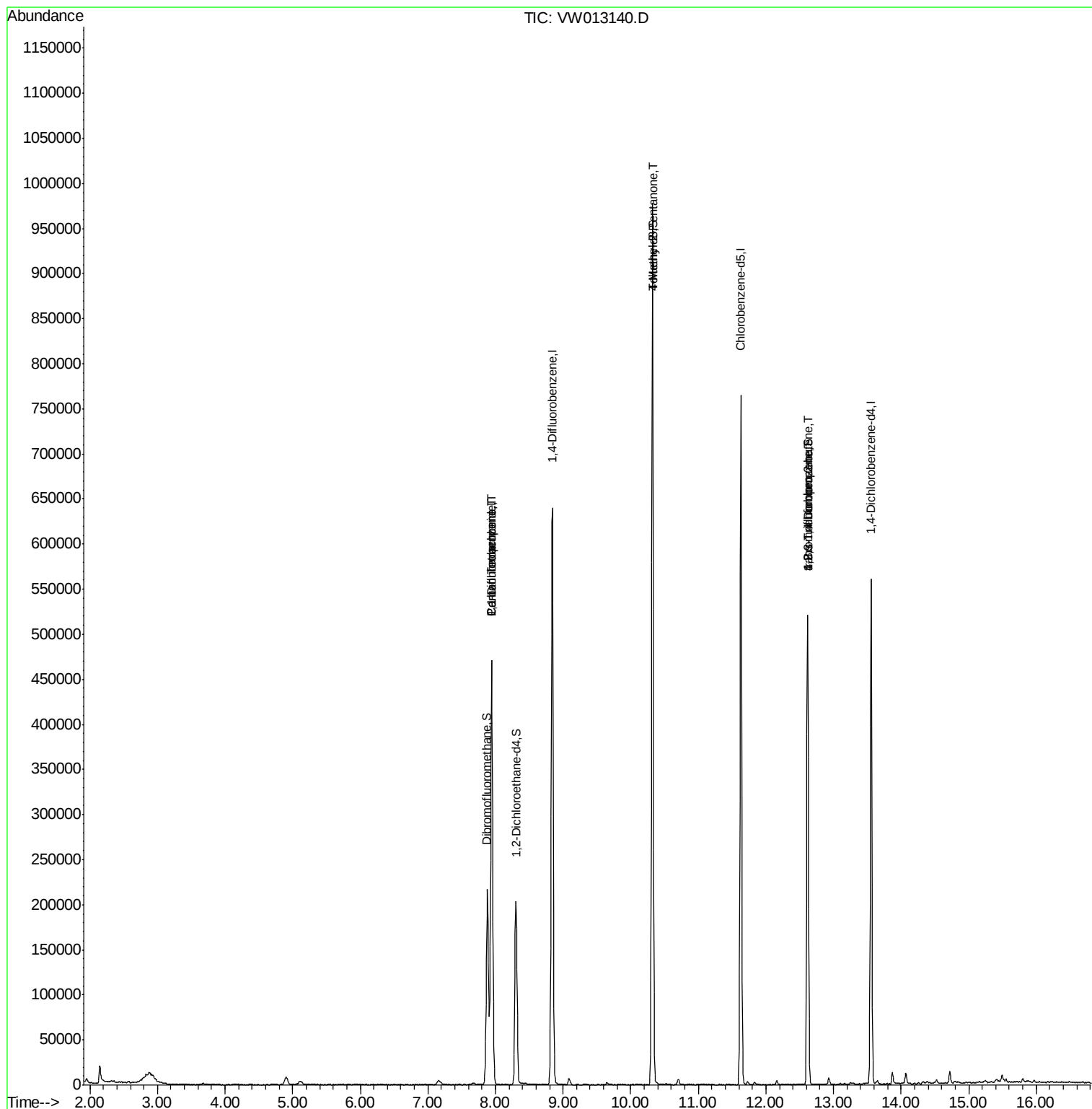
						Qvalue
3) Chloromethane	2.20	50	287	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	2434	Below Cal	#	72
16) Acetone	4.15	43	1361	Below Cal	#	72
20) Methylene Chloride	4.90	84	6358	Below Cal	#	78
26) 2,2-Dichloropropane	7.15	77	255	Below Cal	#	55
31) Cyclohexane	7.94	56	6689	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	25276	5.516	ug/l #	50
38) Carbon Tetrachloride	7.95	117	33537	7.142	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	2729	1.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	85374	60.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85374	136.431	ug/l #	7

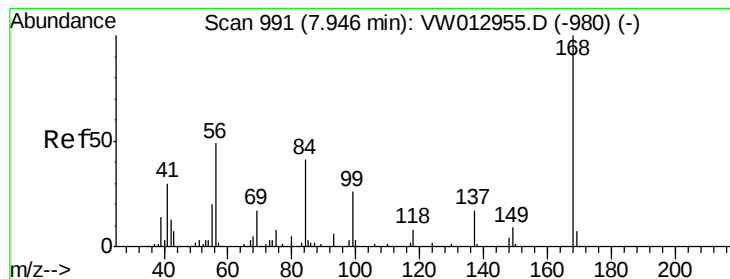
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013140.D

Acq: 19 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampled :

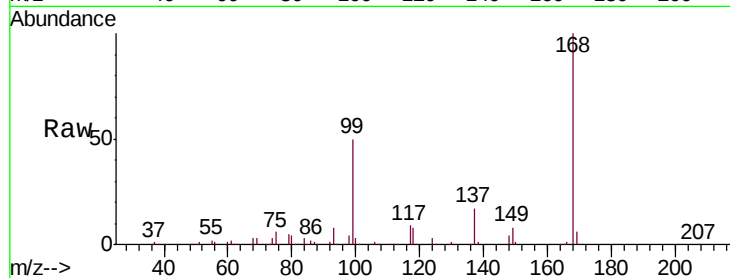
WC-1

Tgt Ion:168 Resp: 387042

Ion Ratio Lower Upper

168 100

99 50.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

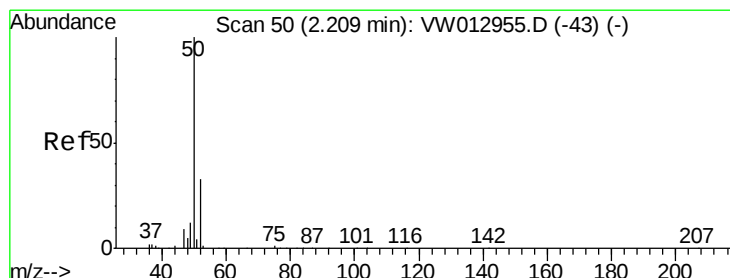
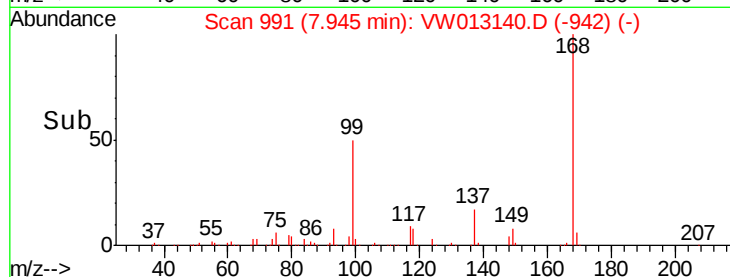
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013140.D

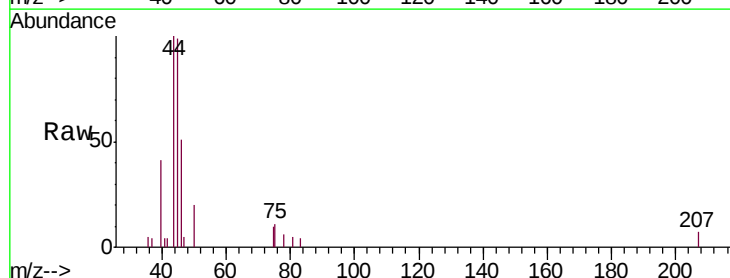
Acq: 19 Sep 2019 04:32

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.20

300

250

200

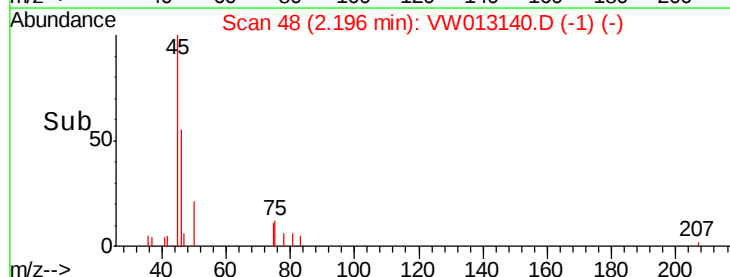
150

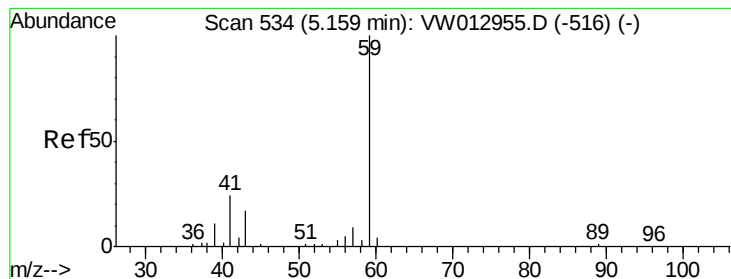
100

50

0

Time-->



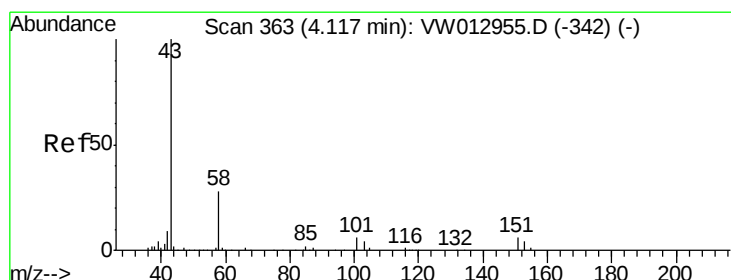
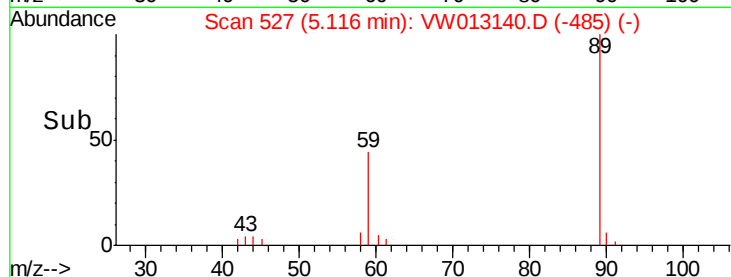
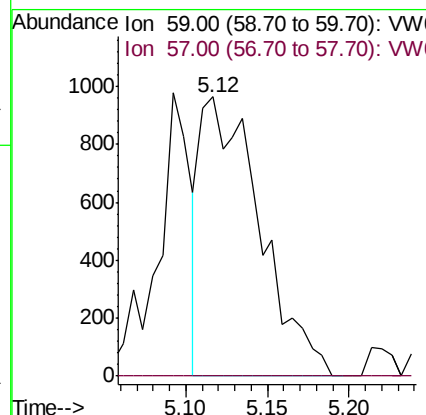
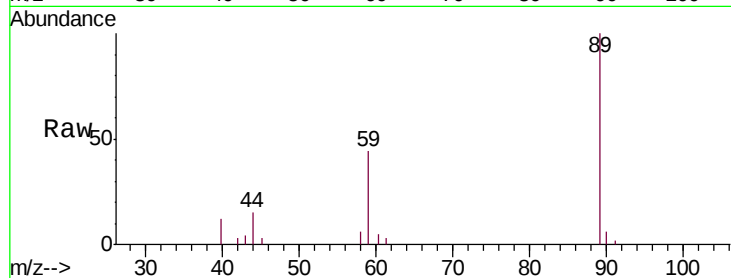


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

Instrument :
 MSVOA_W
 ClientSampled :
 WC-1

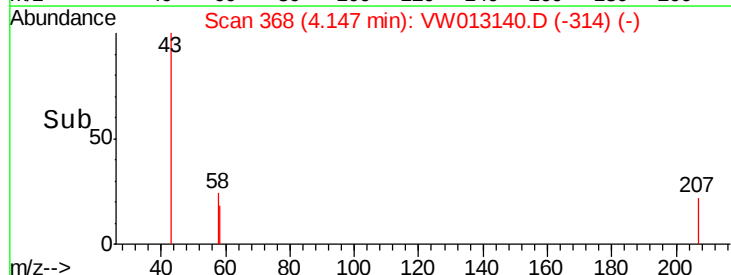
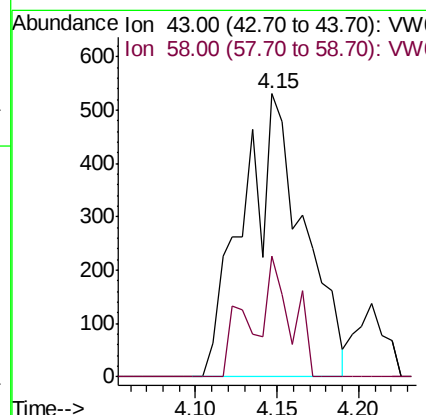
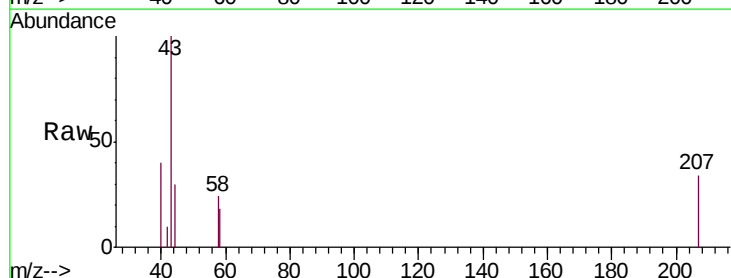
Tgt Ion: 59 Resp: 2434
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

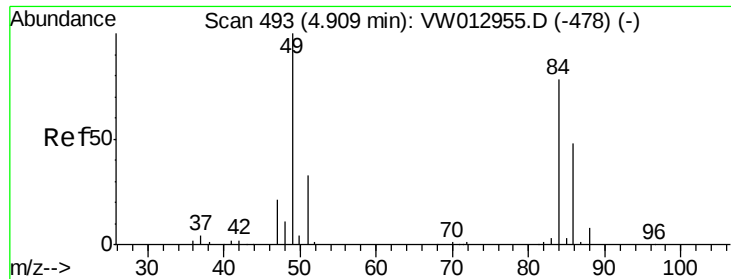


#16

Acetone
 Concen: Below Cal
 RT: 4.15 min Scan# 368
 Delta R.T. 0.03 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

Tgt Ion: 43 Resp: 1361
 Ion Ratio Lower Upper
 43 100
 58 42.6 22.3 33.5#

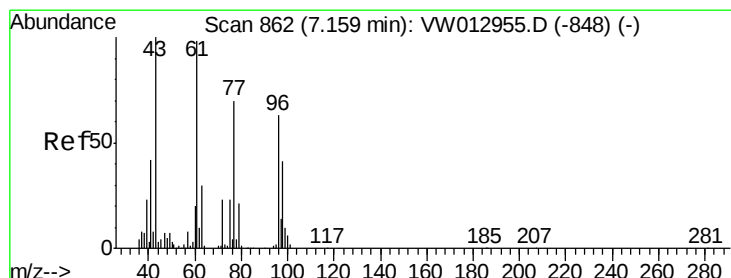
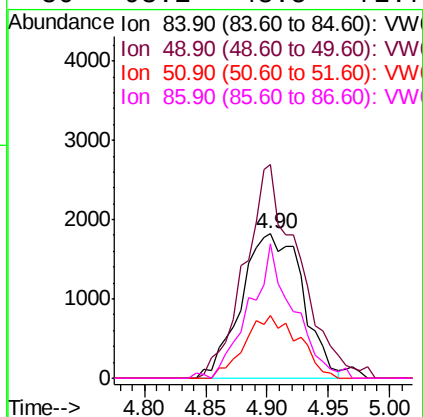
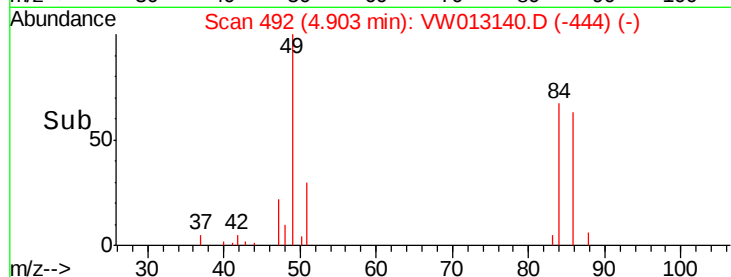
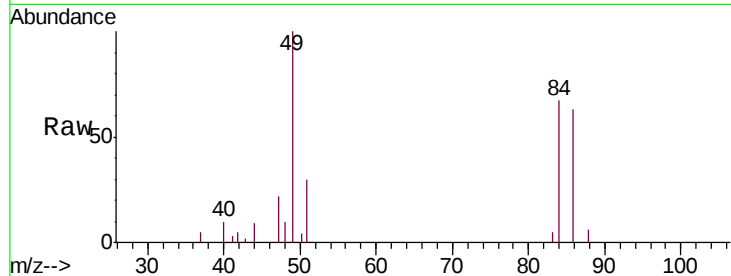




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013140.D
Acq: 19 Sep 2019 04:32

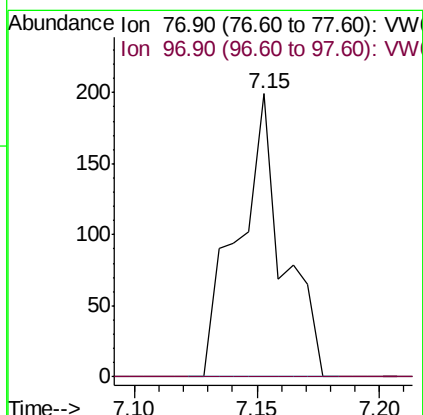
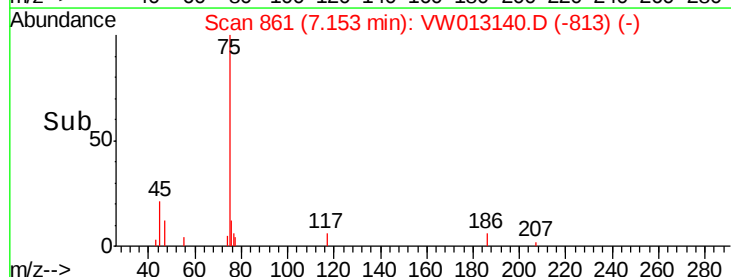
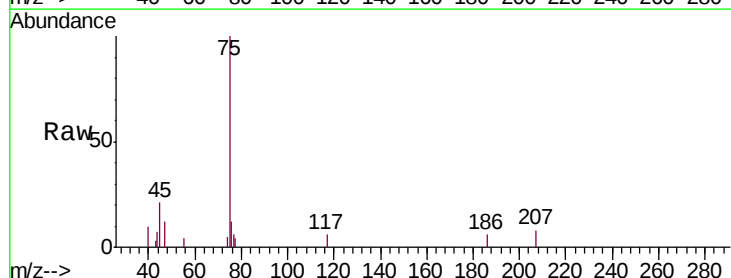
Instrument :
MSVOA_W
ClientSampleId :
WC-1

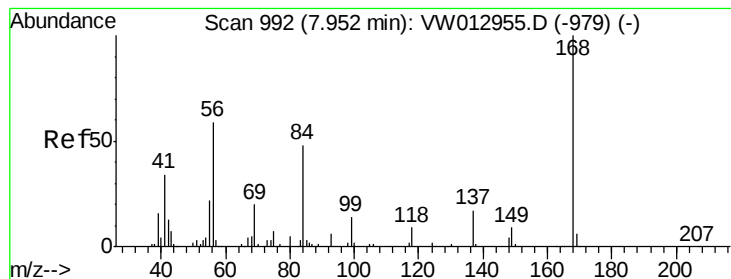
Tgt Ion: 84 Resp: 6358
Ion Ratio Lower Upper
84 100
49 148.2 102.0 153.0
51 43.8 34.0 51.0
86 93.1 48.5 72.7#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013140.D
Acq: 19 Sep 2019 04:32

Tgt Ion: 77 Resp: 255
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013140.D

Acq: 19 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampled :

WC-1

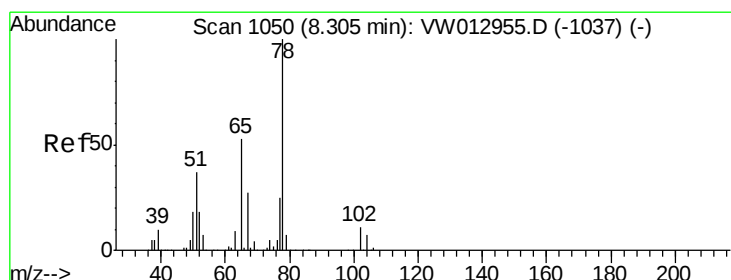
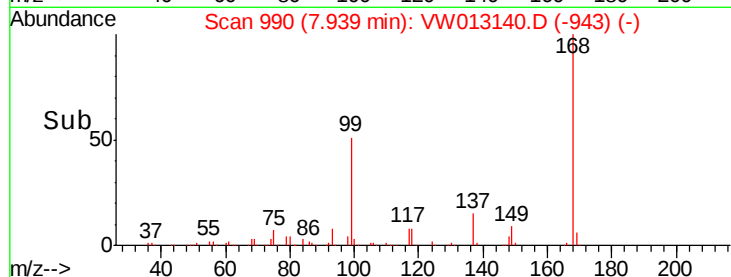
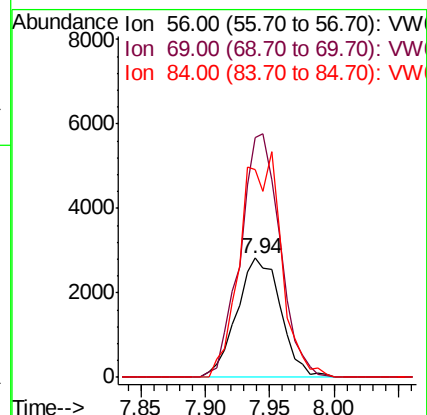
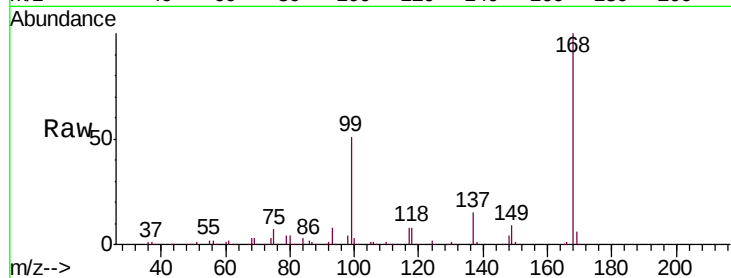
Tgt Ion: 56 Resp: 6689

Ion Ratio Lower Upper

56 100

69 200.5 27.0 40.6#

84 174.0 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 45.956 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013140.D

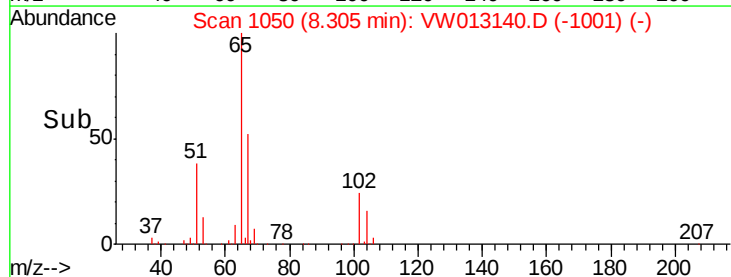
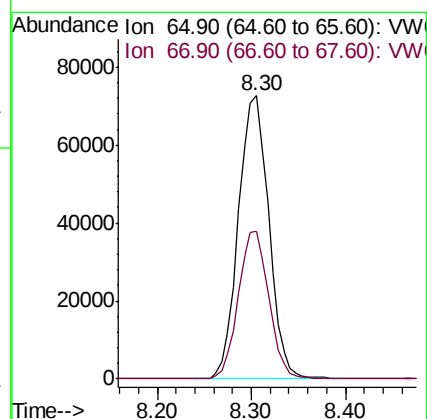
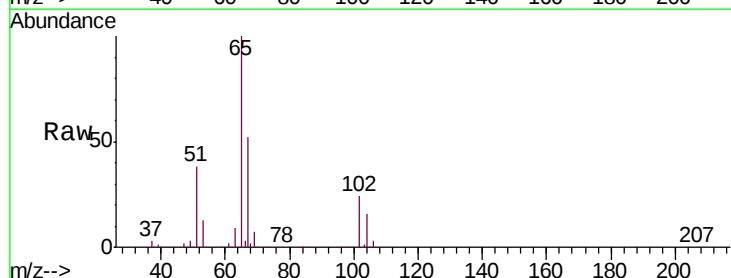
Acq: 19 Sep 2019 04:32

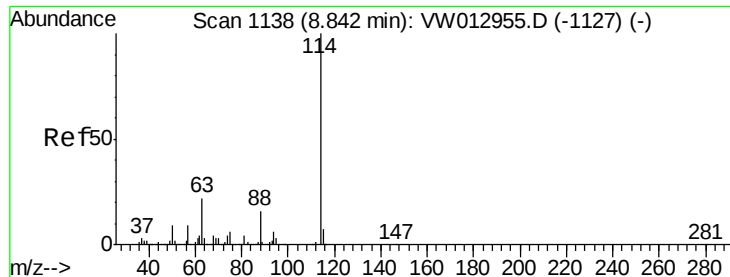
Tgt Ion: 65 Resp: 164276

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.2

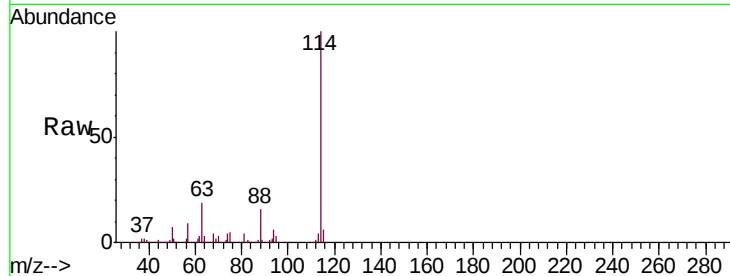




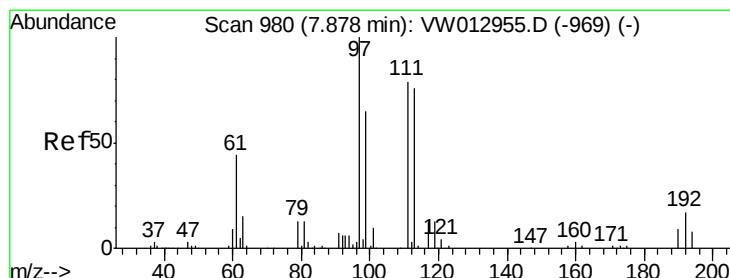
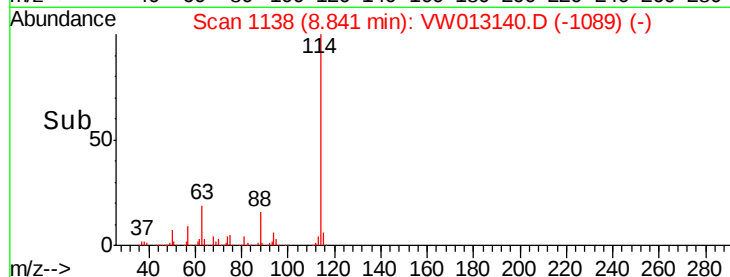
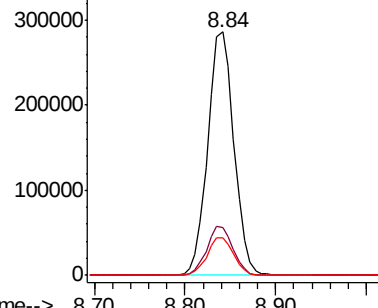
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

Tgt Ion:114 Resp: 573458
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.4
 88 15.7 0.0 31.6

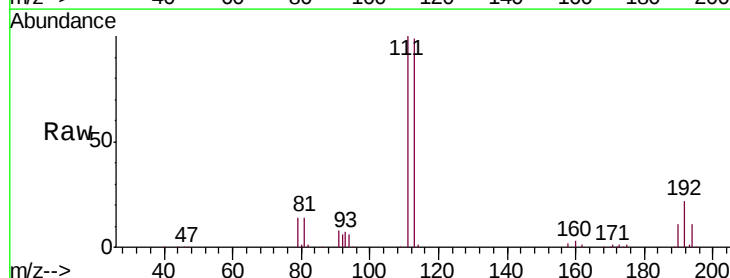


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

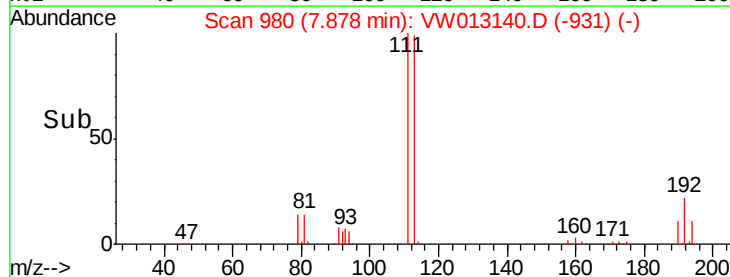
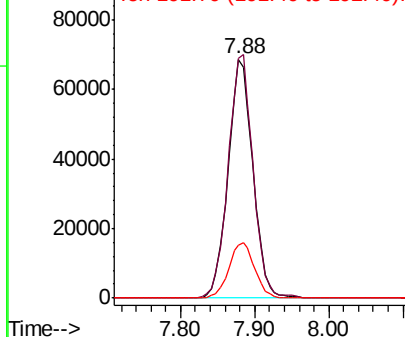


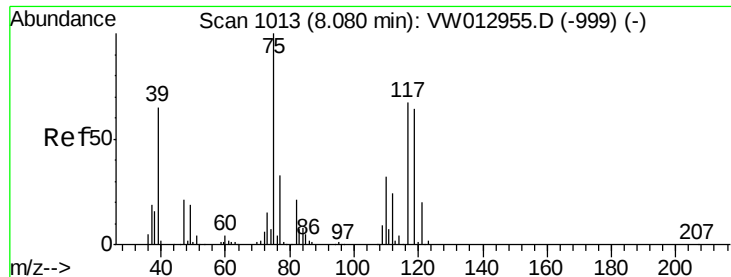
#35
 Dibromofluoromethane
 Concen: 51.469 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

Tgt Ion:113 Resp: 160154
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 24.0 17.8 26.8



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

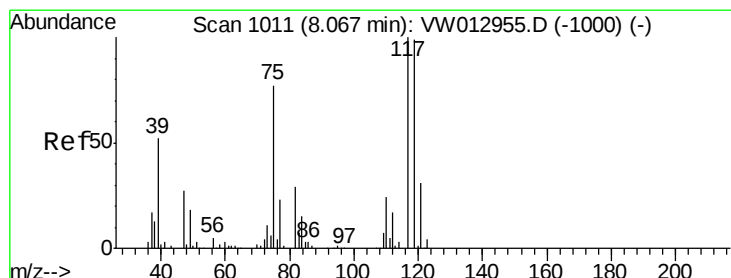
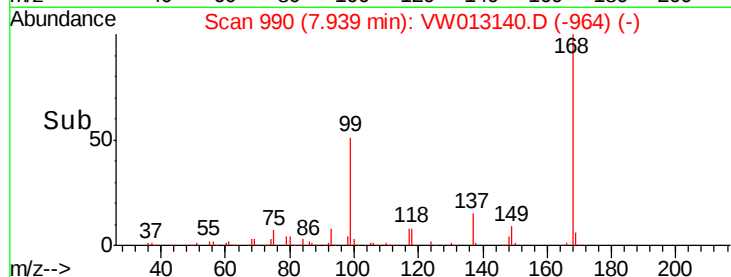
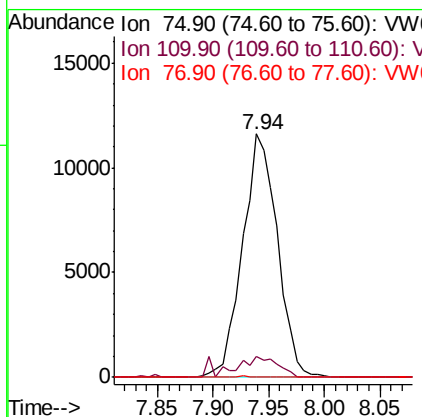
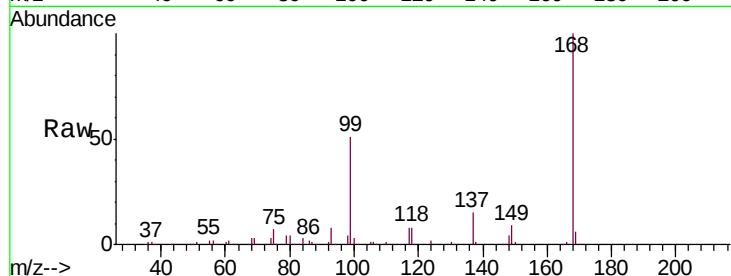




#36
 1,1-Dichloropropene
 Concen: 5.516 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

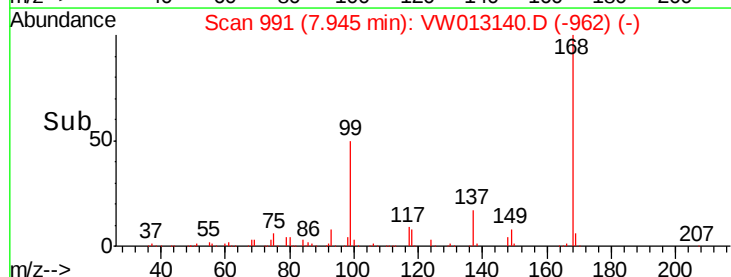
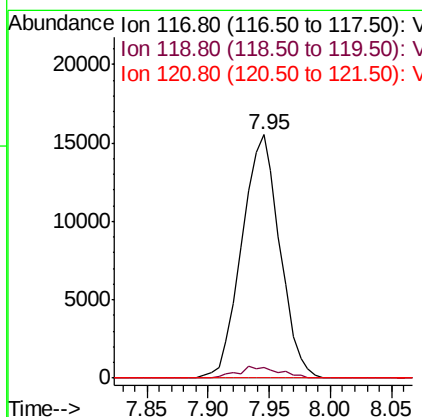
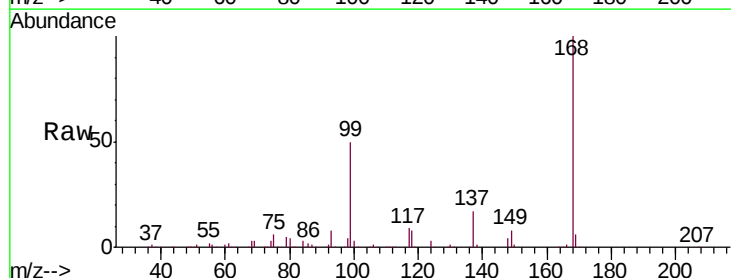
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1

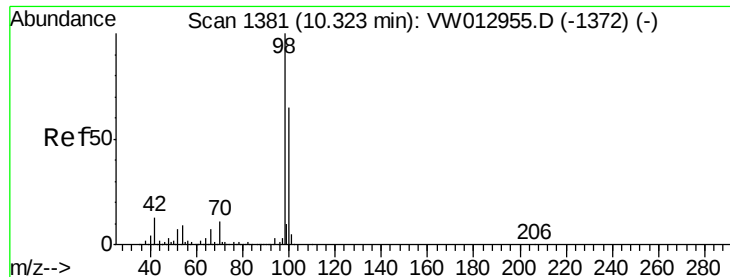
Tgt Ion: 75 Resp: 25276
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.4 49.1#
 77 0.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.142 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013140.D
 Acq: 19 Sep 2019 04:32

Tgt Ion: 117 Resp: 33537
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 54.102 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013140.D

Acq: 19 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampled :

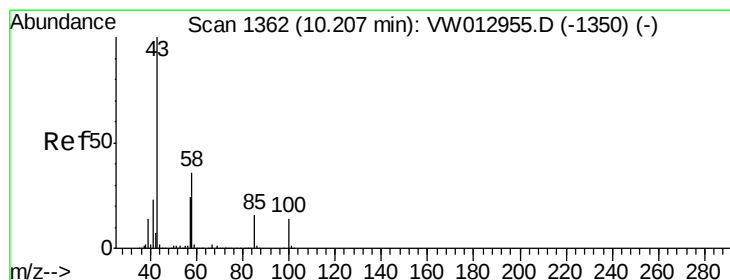
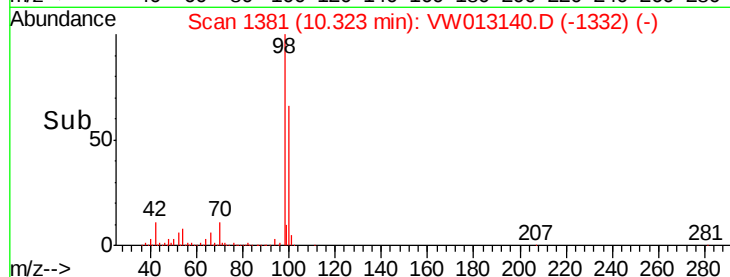
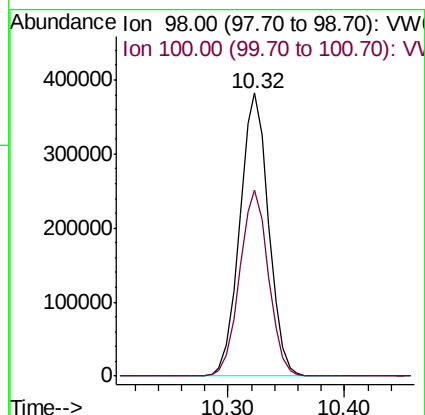
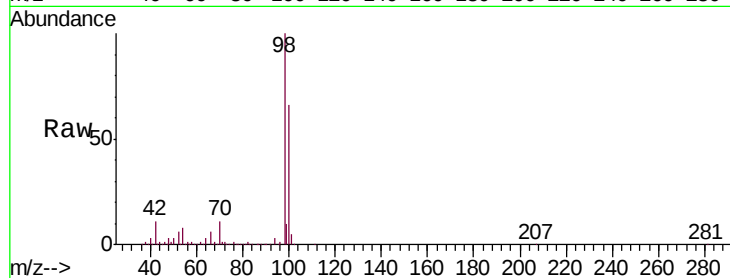
WC-1

Tgt Ion: 98 Resp: 658764

Ion Ratio Lower Upper

98 100

100 65.9 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.132 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013140.D

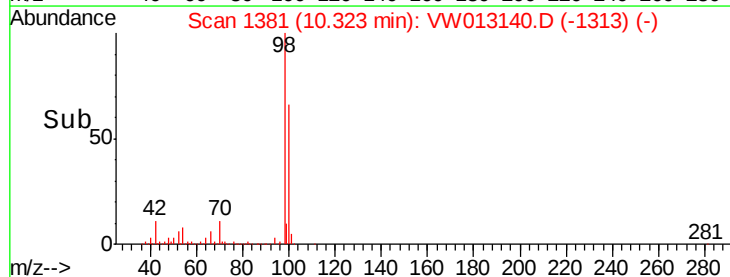
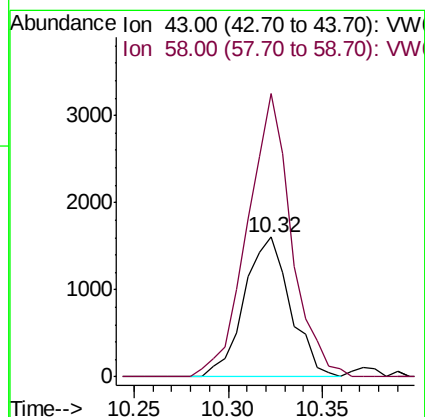
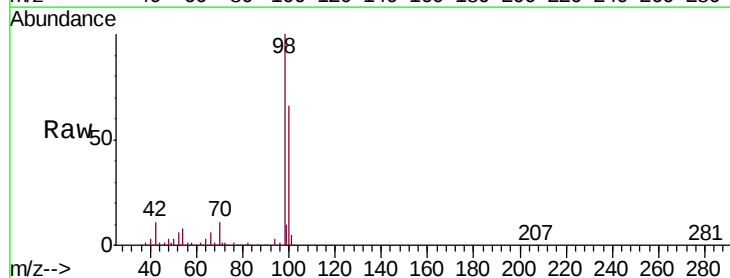
Acq: 19 Sep 2019 04:32

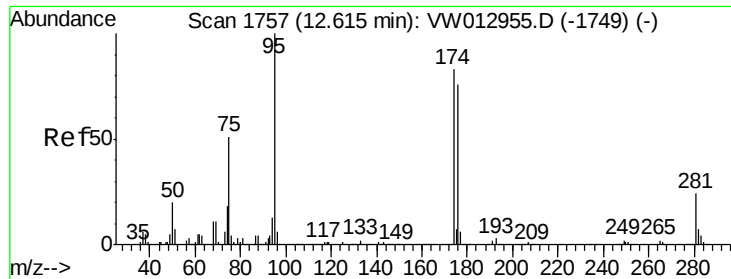
Tgt Ion: 43 Resp: 2729

Ion Ratio Lower Upper

43 100

58 192.6 29.5 44.3#

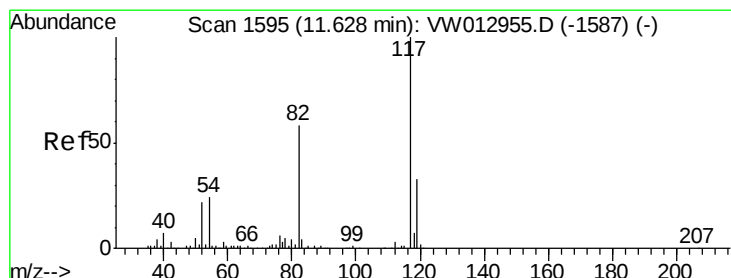
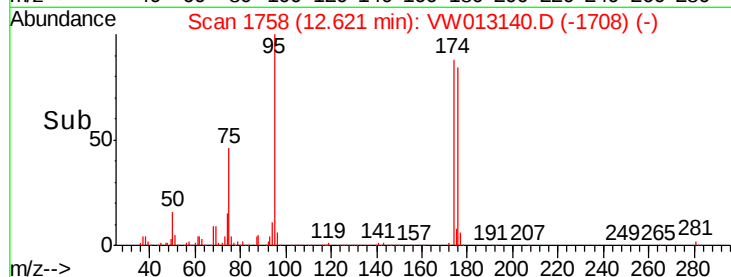
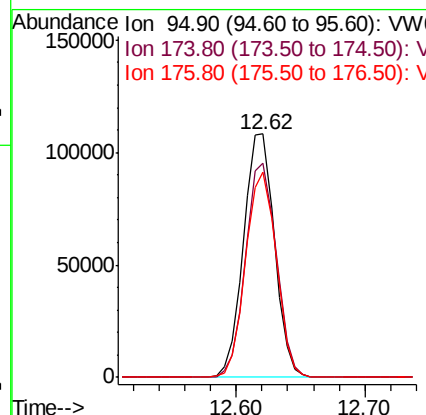
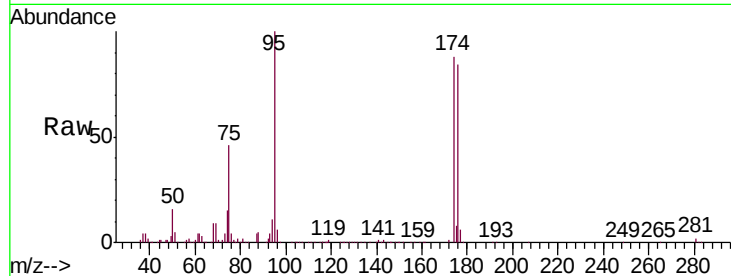




#62
4-Bromofluorobenzene
Concen: 41.060 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW013140.D
Acq: 19 Sep 2019 04:32

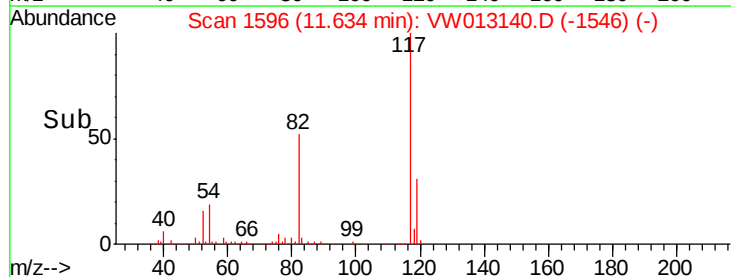
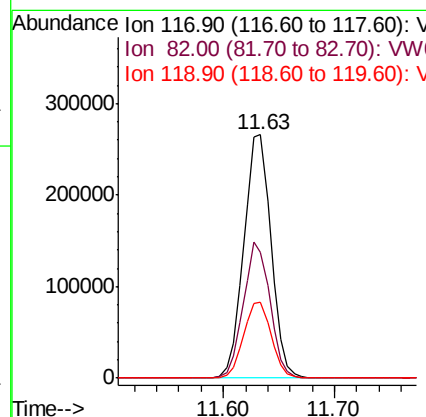
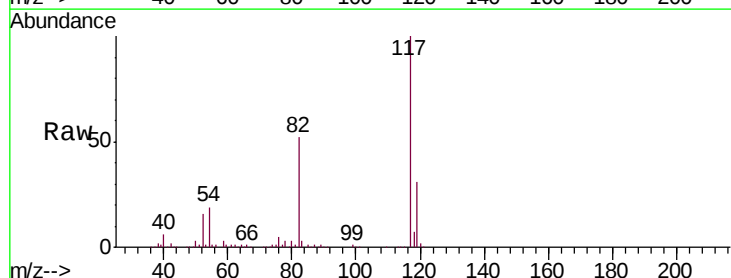
Instrument :
MSVOA_W
ClientSampled :
WC-1

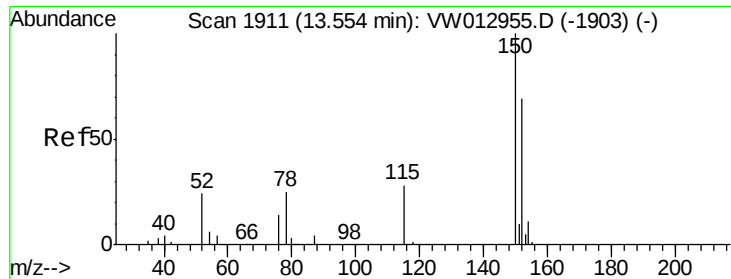
Tgt Ion: 95 Resp: 179774
Ion Ratio Lower Upper
95 100
174 87.7 0.0 170.4
176 83.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013140.D
Acq: 19 Sep 2019 04:32

Tgt Ion: 117 Resp: 450917
Ion Ratio Lower Upper
117 100
82 51.8 46.3 69.5
119 30.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013140.D

Acq: 19 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

WC-1

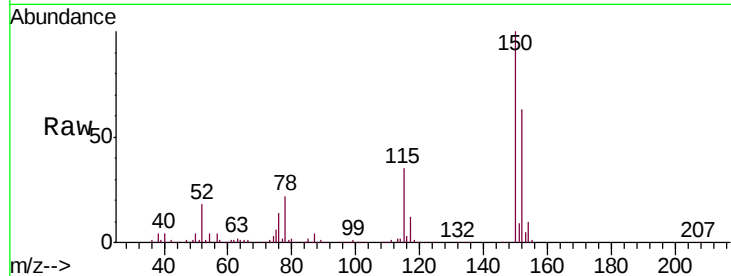
Tgt Ion:152 Resp: 162063

Ion Ratio Lower Upper

152 100

115 55.6 28.8 86.4

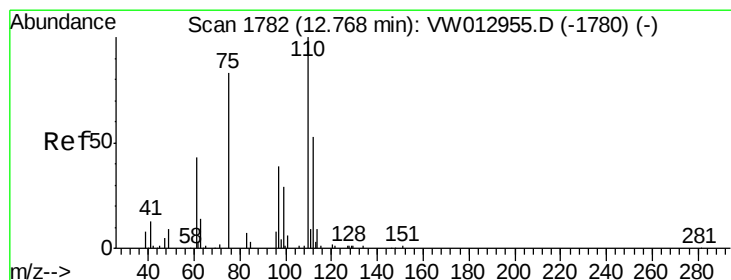
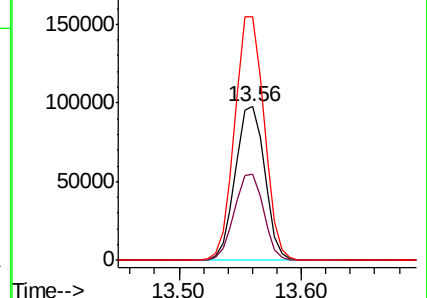
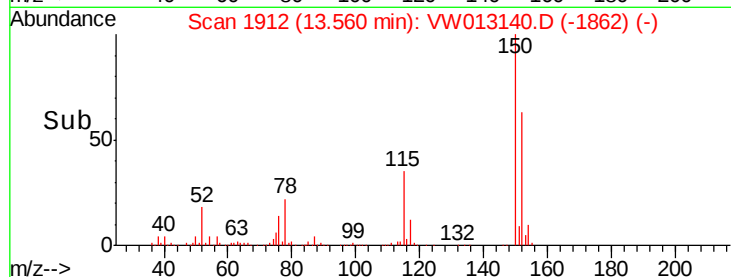
150 158.7 0.0 340.2



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: 60.142 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013140.D

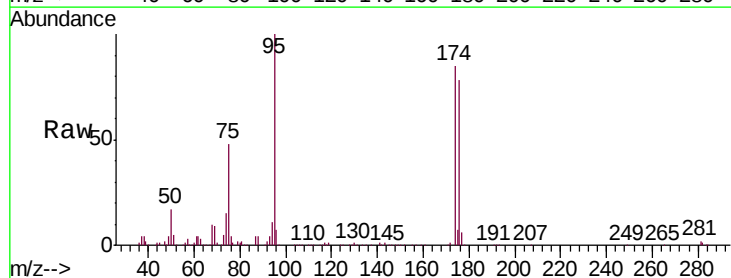
Acq: 19 Sep 2019 04:32

Tgt Ion: 75 Resp: 85374

Ion Ratio Lower Upper

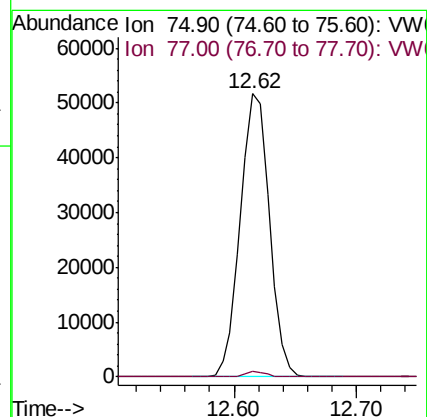
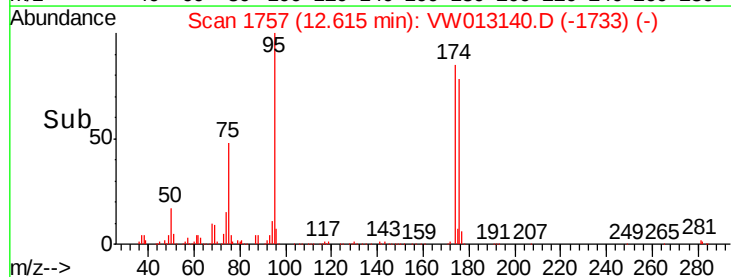
75 100

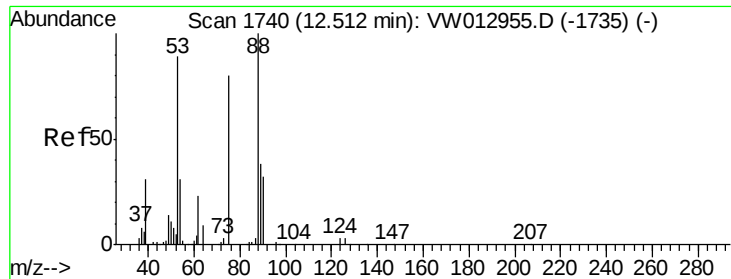
77 1.6 0.0 0.0#



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: 136.431 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013140.D

Acq: 19 Sep 2019 04:32

Instrument :

MSVOA_W

ClientSampleId :

WC-1

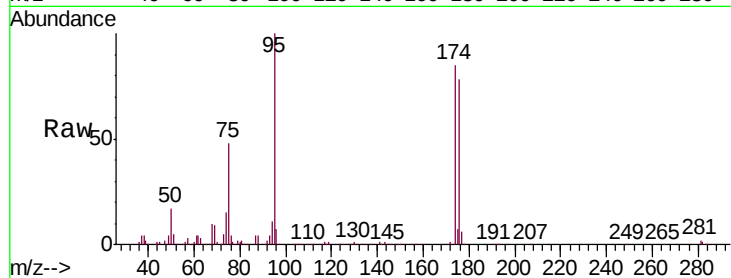
Tgt Ion: 75 Resp: 85374

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

