

Data File : VW013131.D
Acq On : 19 Sep 2019 00:14
Operator : SY/VA
Sample : VW0918SBL02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL02

Quant Time: Sep 19 08:01:00 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	402438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	596712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	498264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	169207	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	7.88	113	163833	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.32	98	697651	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
62) 4-Bromofluorobenzene	12.62	95	215567	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds

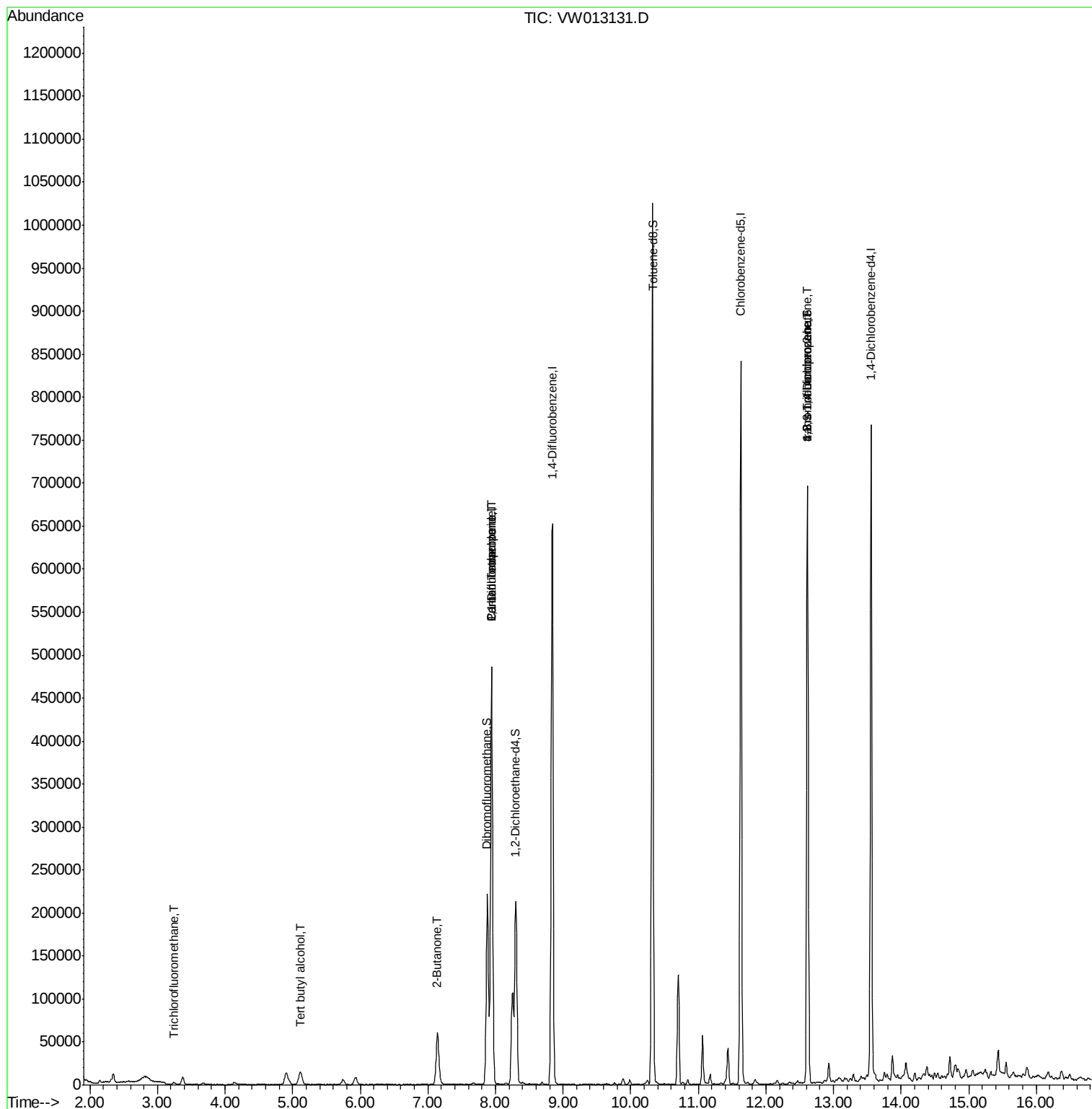
						Qvalue
2) Dichlorodifluoromethane	2.01	85	1761	Below Cal		84
3) Chloromethane	2.20	50	575	Below Cal	#	82
7) Trichlorofluoromethane	3.24	101	2377	1.180	ug/l #	83
11) Tert butyl alcohol	5.12	59	14923	41.625	ug/l #	73
16) Acetone	4.14	43	5003	Below Cal		91
20) Methylene Chloride	4.90	84	10194	Below Cal	#	88
25) 2-Butanone	7.13	43	3377	2.857	ug/l #	87
26) 2,2-Dichloropropane	7.13	77	4414	Below Cal	#	55
31) Cyclohexane	7.94	56	6827	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	28037	5.880	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35553	7.276	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	101976	54.925	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	101976	124.596	ug/l #	7

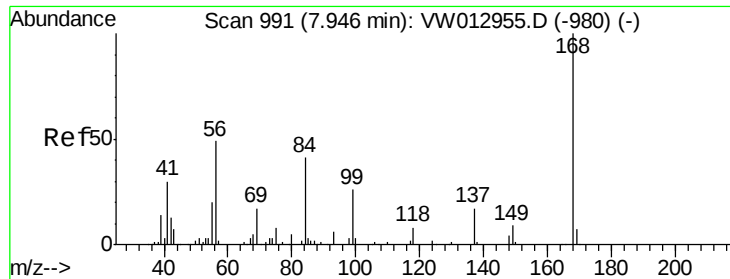
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

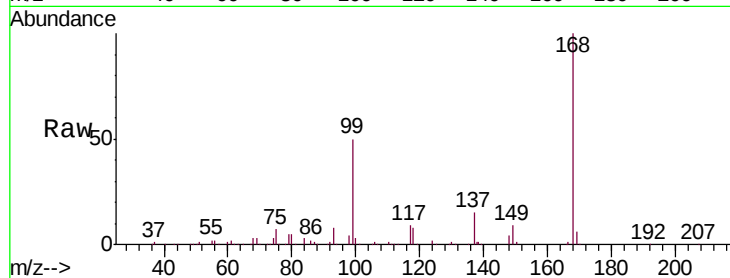
VW0918SBL02

Tgt Ion:168 Resp: 402438

Ion Ratio Lower Upper

168 100

99 50.4 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

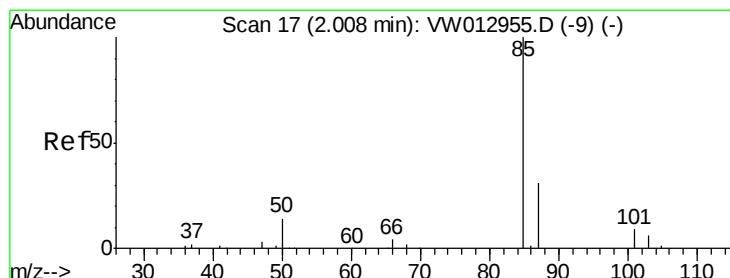
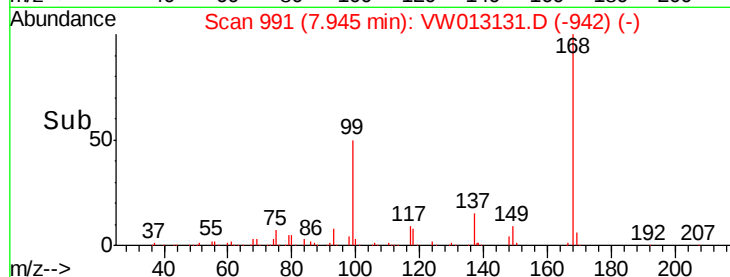
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013131.D

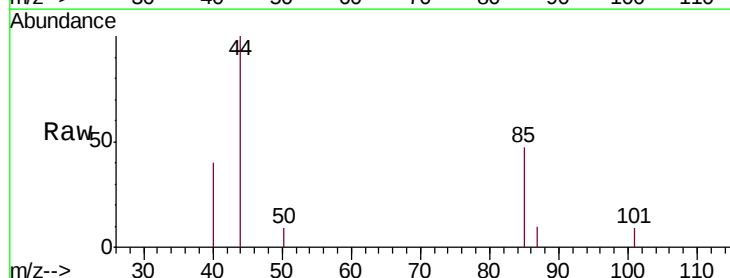
Acq: 19 Sep 2019 00:14

Tgt Ion: 85 Resp: 1761

Ion Ratio Lower Upper

85 100

87 22.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1000

800

600

400

200

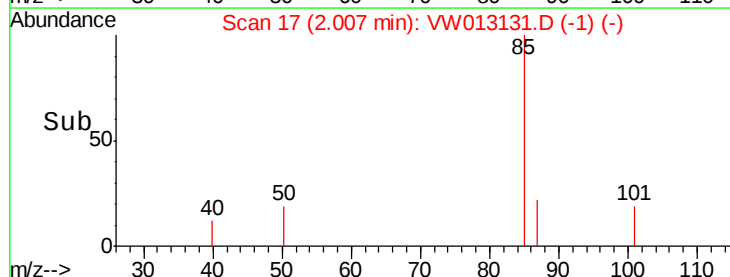
0

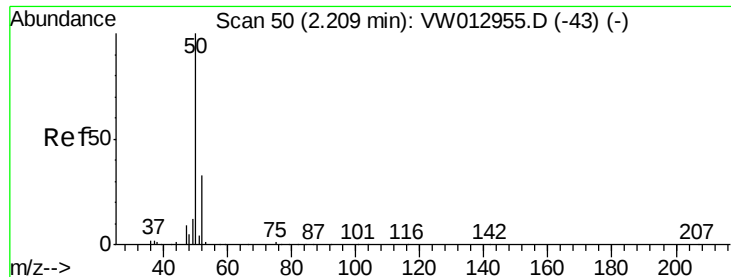
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

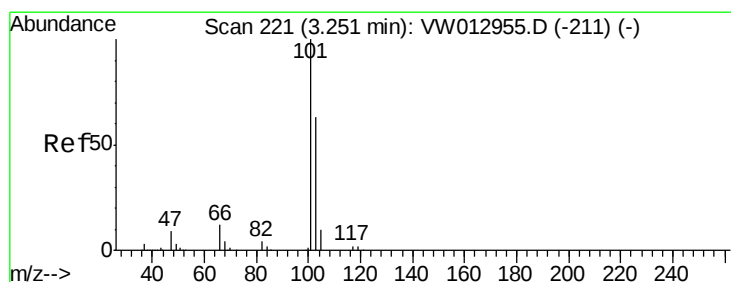
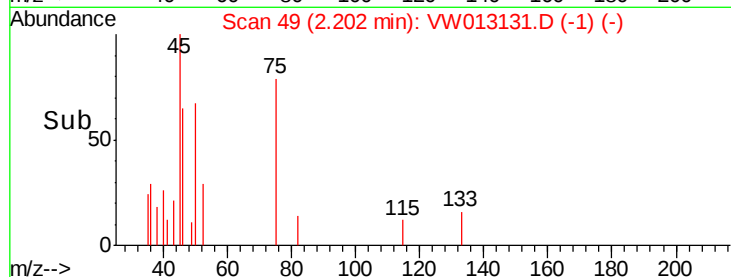
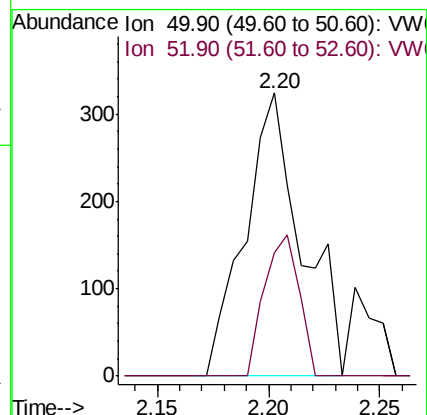
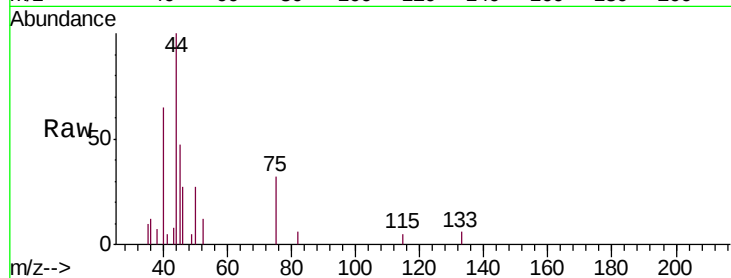
VW0918SBL02

Tgt Ion: 50 Resp: 575

Ion Ratio Lower Upper

50 100

52 43.5 26.6 39.8#



#7

Trichlorofluoromethane

Concen: 1.180 ug/l

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW013131.D

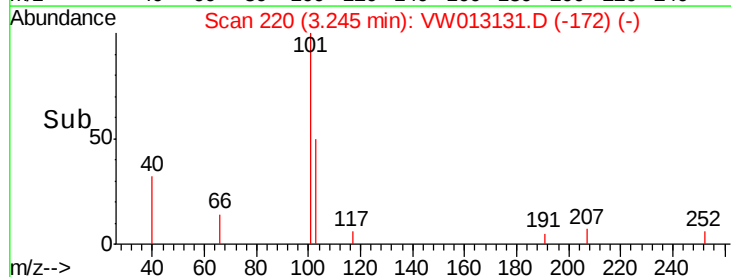
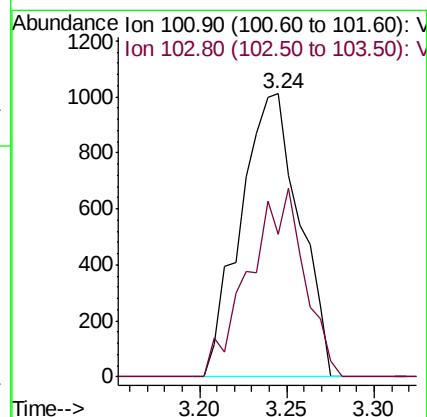
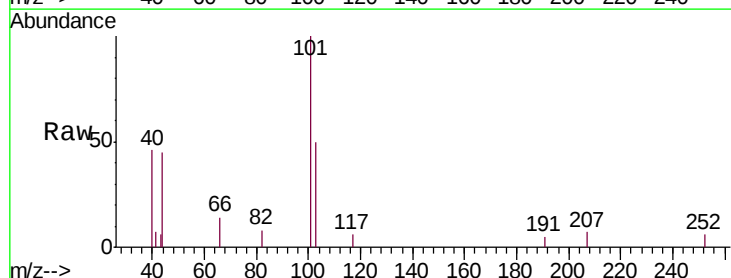
Acq: 19 Sep 2019 00:14

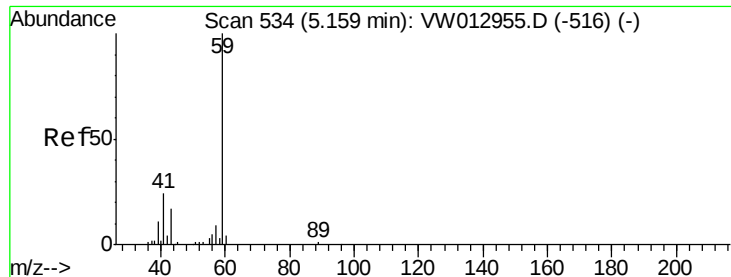
Tgt Ion: 101 Resp: 2377

Ion Ratio Lower Upper

101 100

103 50.2 50.7 76.1#

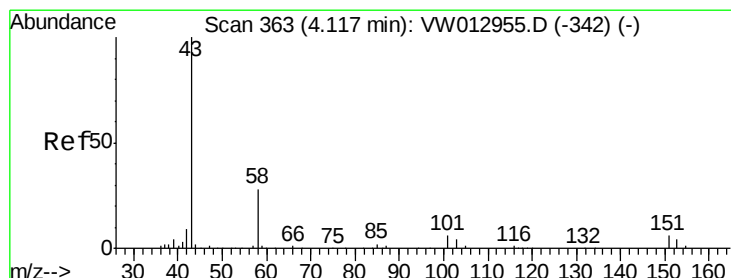
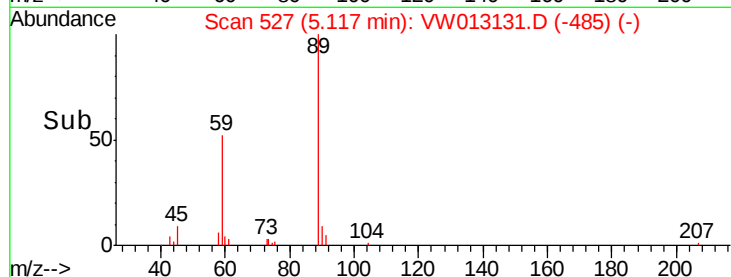
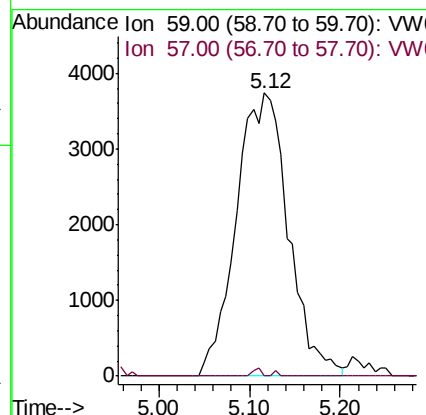
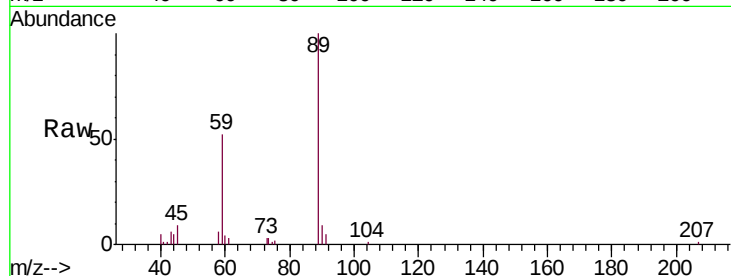




#11
Tert butyl alcohol
Concen: 41.625 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.04 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

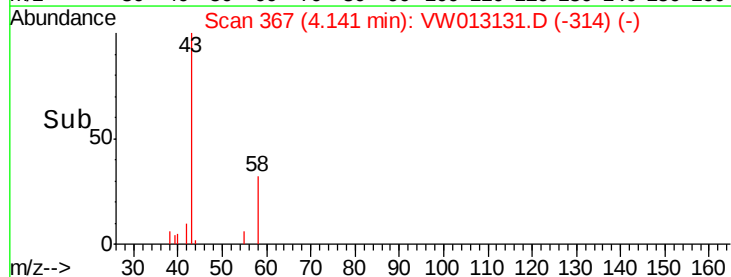
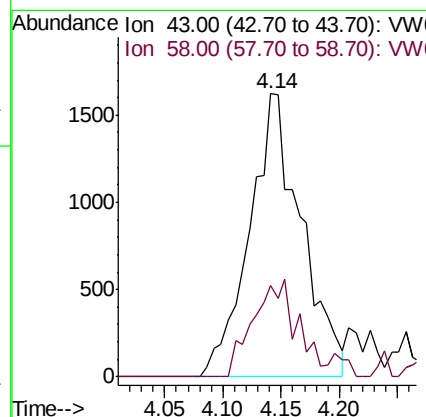
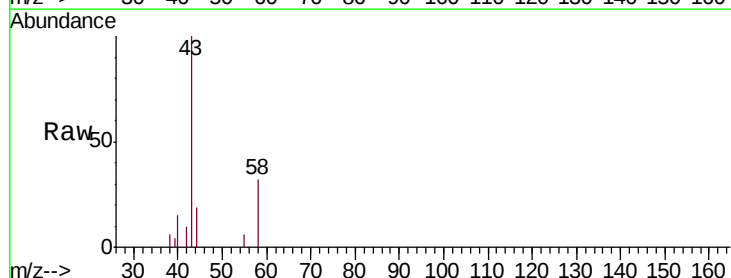
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL02

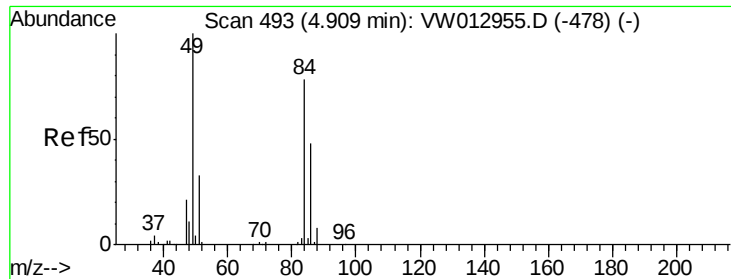
Tgt Ion: 59 Resp: 14923
Ion Ratio Lower Upper
59 100
57 0.4 8.5 12.7#



#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.03 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

Tgt Ion: 43 Resp: 5003
Ion Ratio Lower Upper
43 100
58 32.4 22.3 33.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL02

Tgt Ion: 84 Resp: 10194

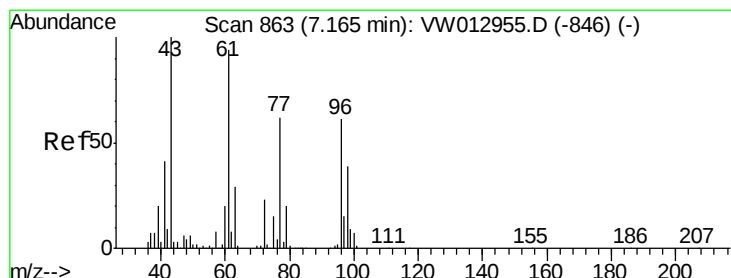
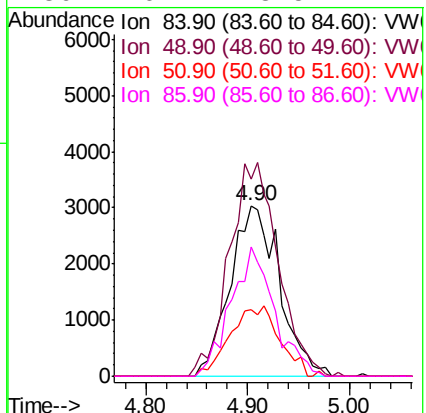
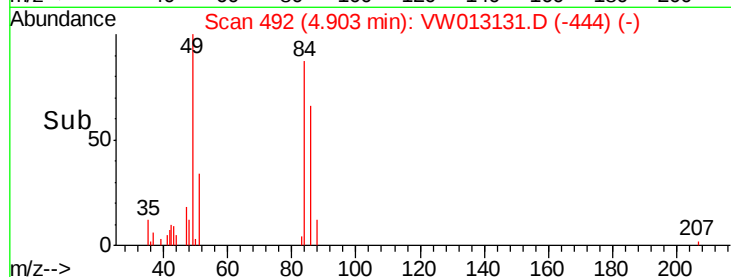
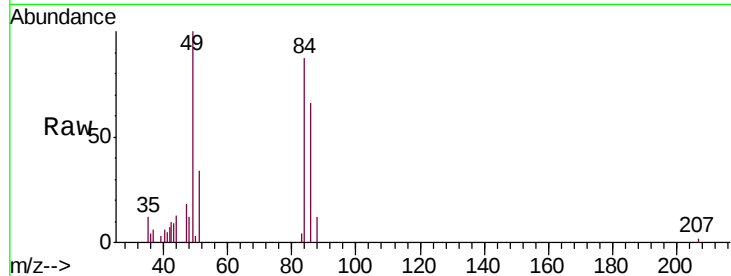
Ion Ratio Lower Upper

84 100

49 115.4 102.0 153.0

51 38.8 34.0 51.0

86 76.2 48.5 72.7#



#25

2-Butanone

Concen: 2.857 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013131.D

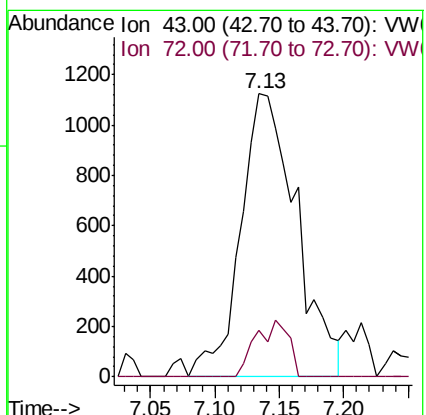
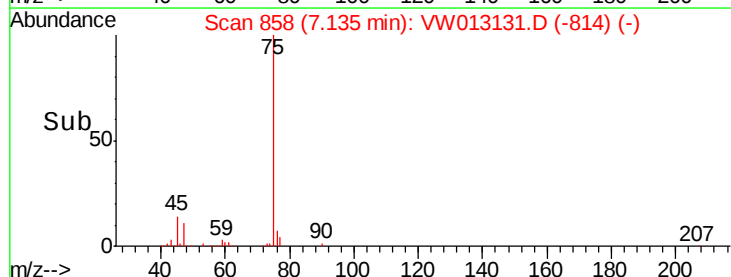
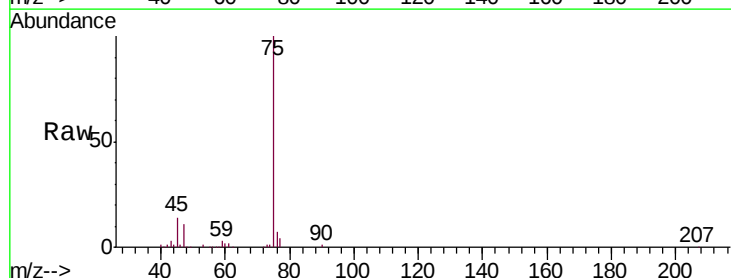
Acq: 19 Sep 2019 00:14

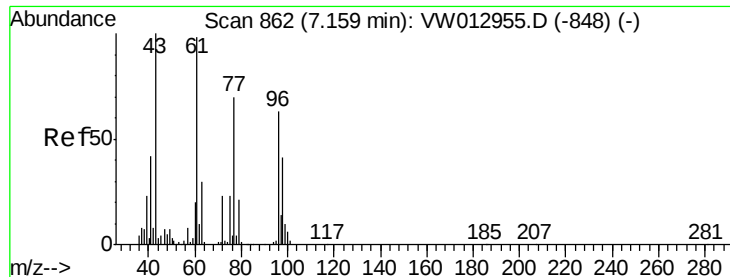
Tgt Ion: 43 Resp: 3377

Ion Ratio Lower Upper

43 100

72 16.6 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

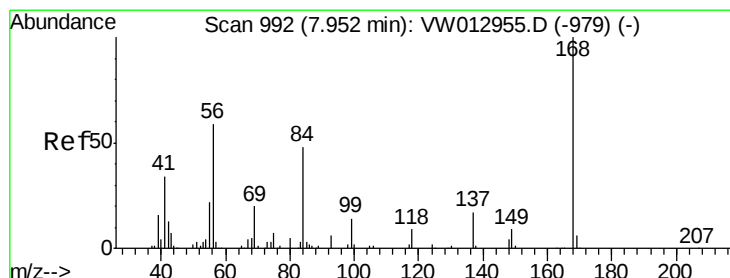
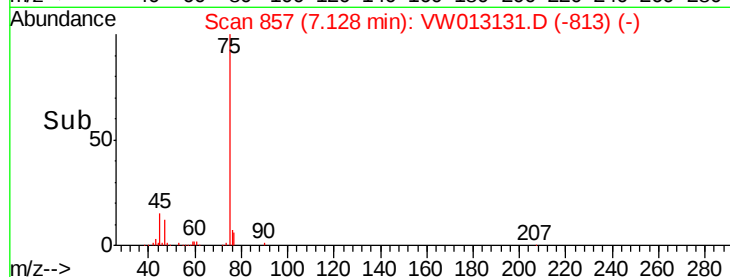
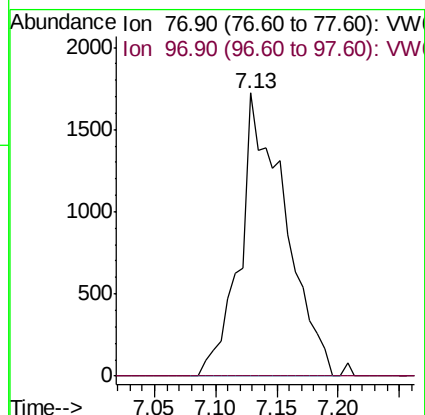
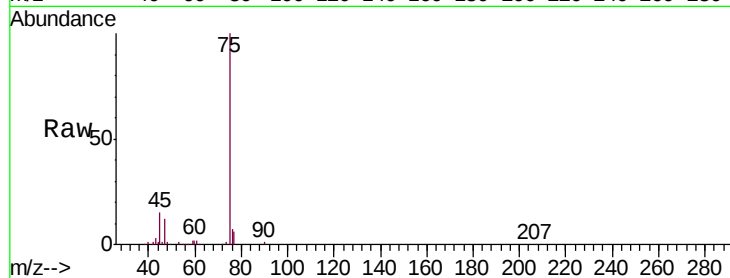
VW0918SBL02

Tgt Ion: 77 Resp: 4414

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: VW013131.D

Acq: 19 Sep 2019 00:14

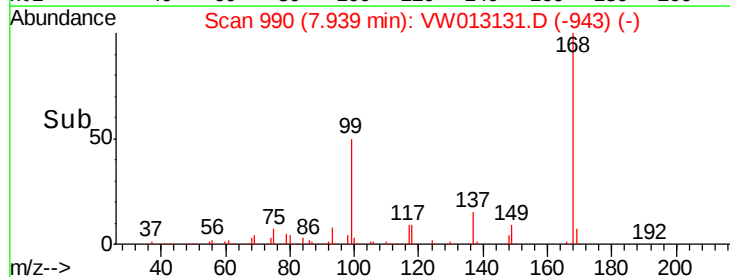
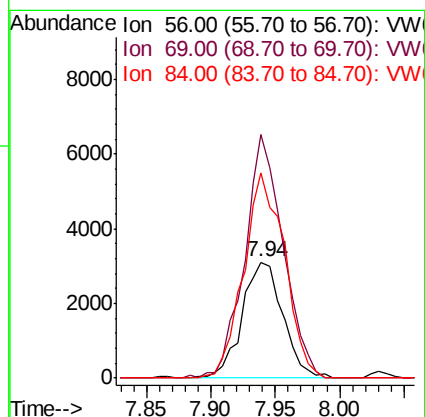
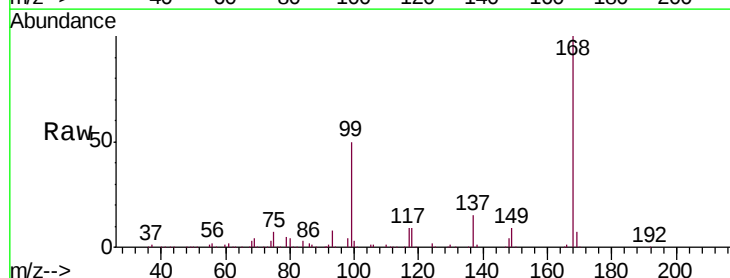
Tgt Ion: 56 Resp: 6827

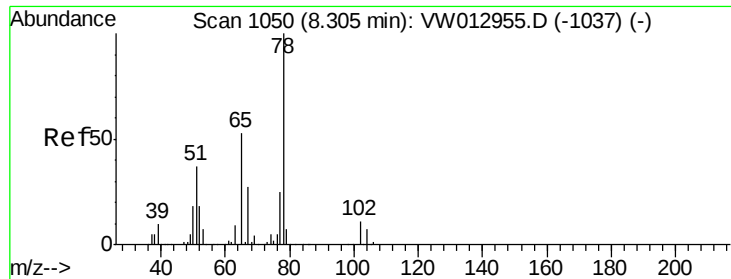
Ion Ratio Lower Upper

56 100

69 210.3 27.0 40.6#

84 177.3 66.2 99.2#

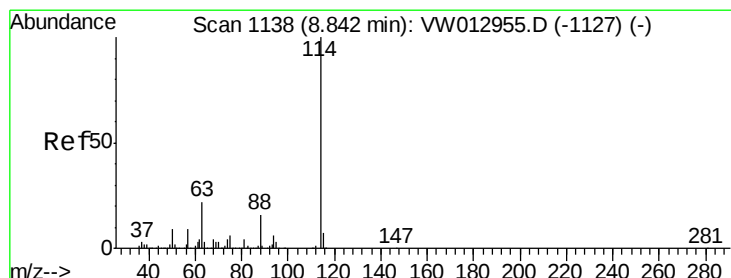
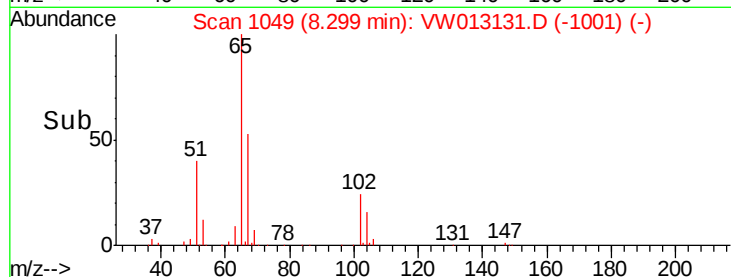
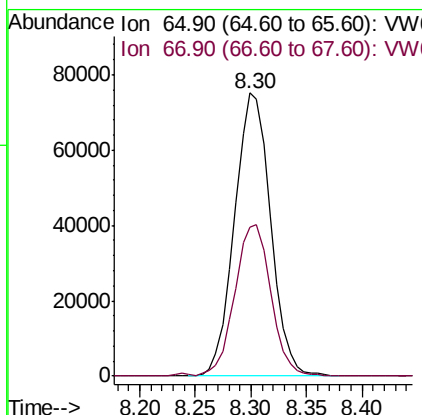
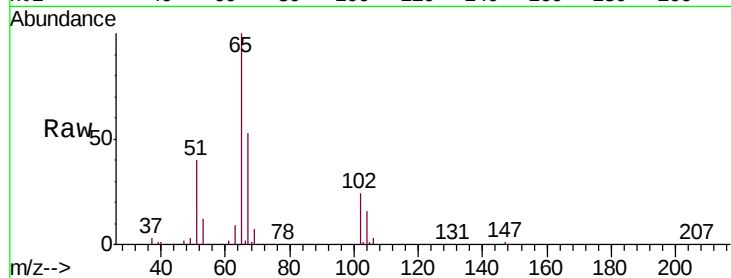




#33
 1,2-Dichloroethane-d4
 Concen: 45.525 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013131.D
 Acq: 19 Sep 2019 00:14

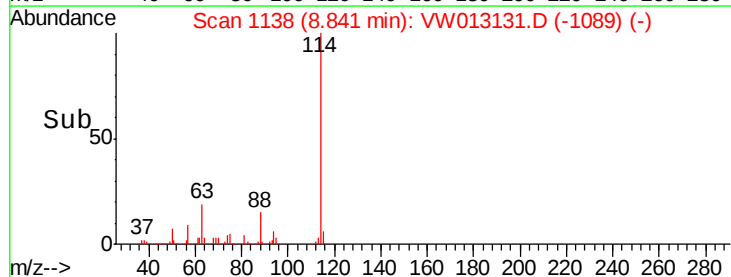
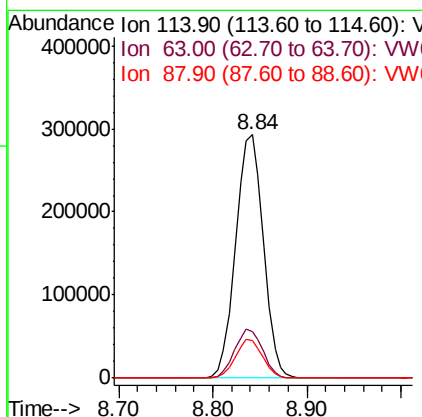
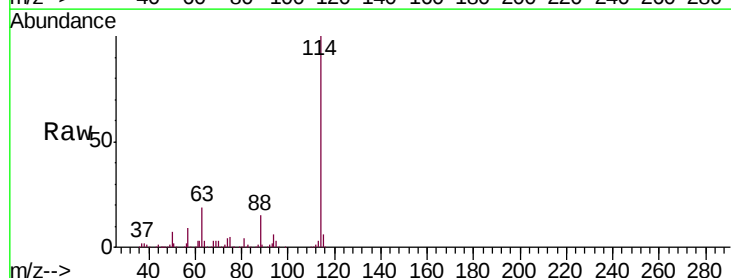
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL02

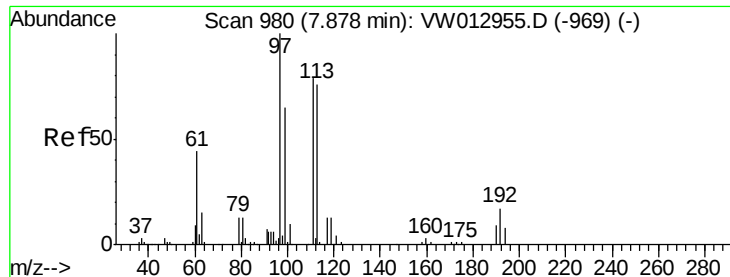
Tgt Ion: 65 Resp: 169207
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013131.D
 Acq: 19 Sep 2019 00:14

Tgt Ion: 114 Resp: 596712
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.4
 88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.600 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL02

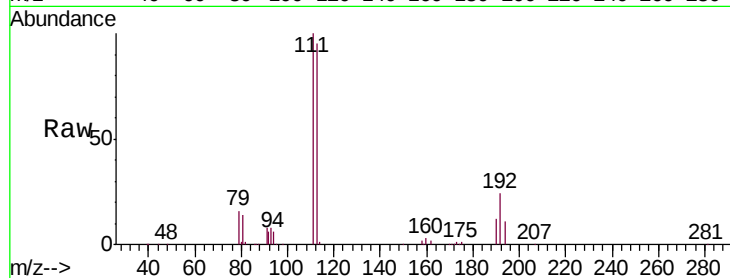
Tgt Ion:113 Resp: 163833

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

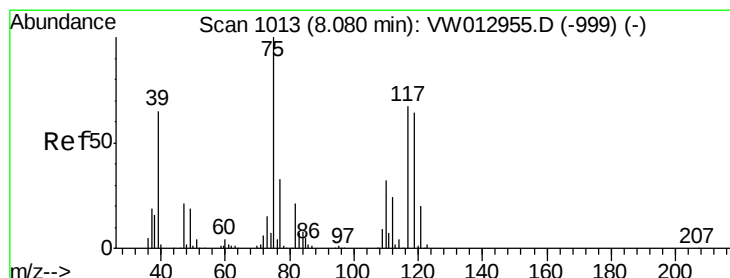
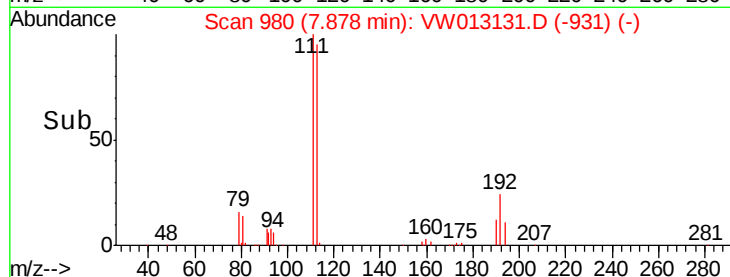
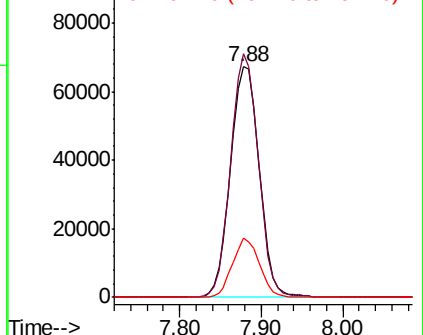
192 24.0 17.8 26.8



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: 5.880 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

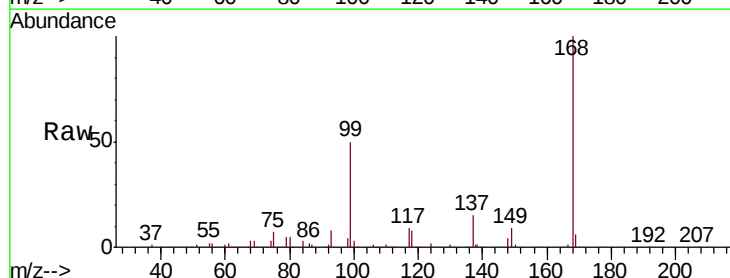
Tgt Ion: 75 Resp: 28037

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

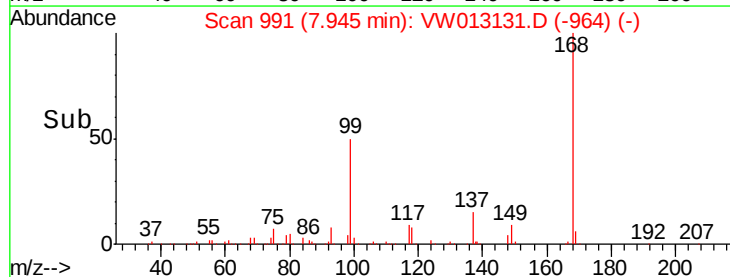
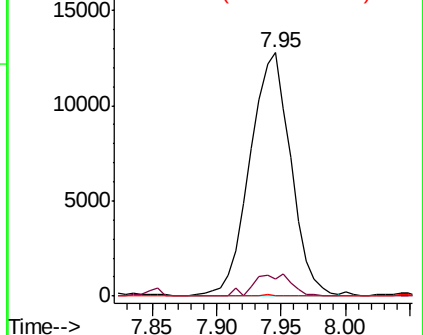
77 0.1 25.1 37.7#

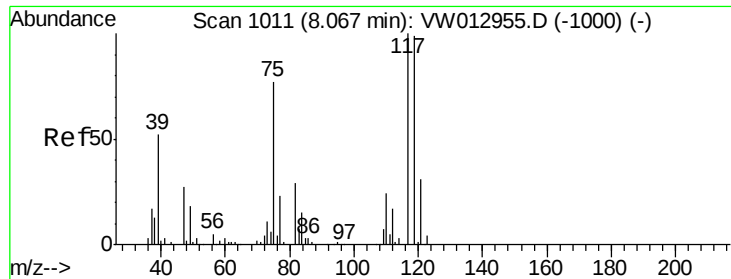


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

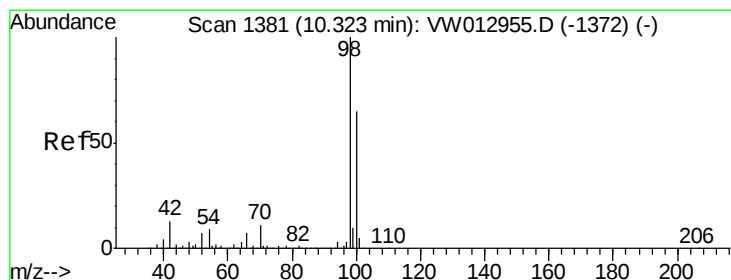
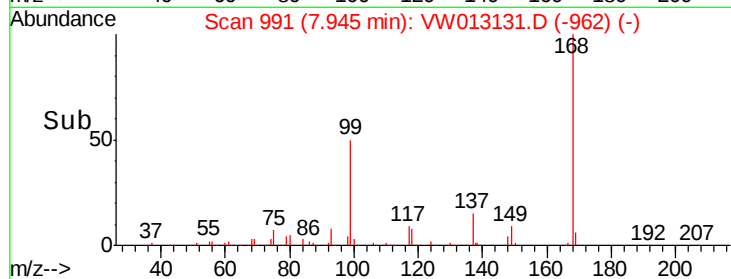
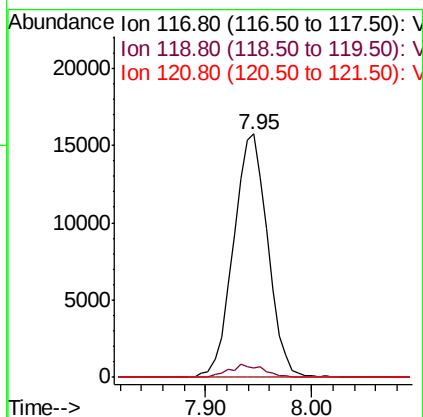
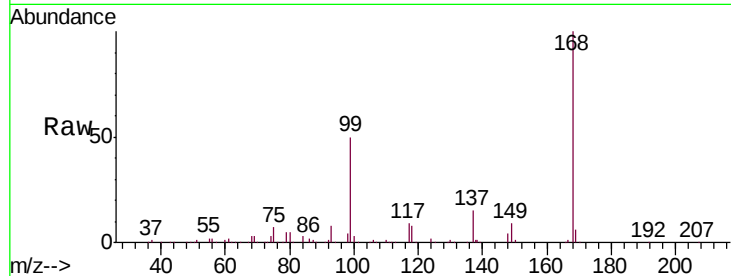




#38
Carbon Tetrachloride
Concen: 7.276 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

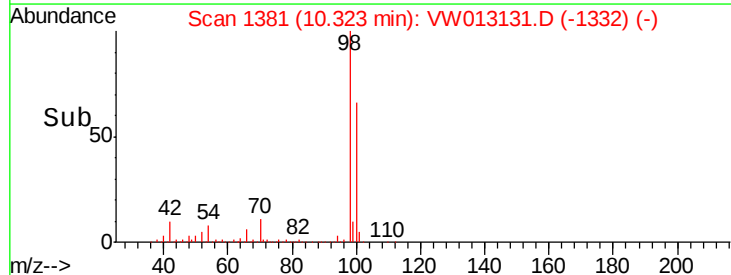
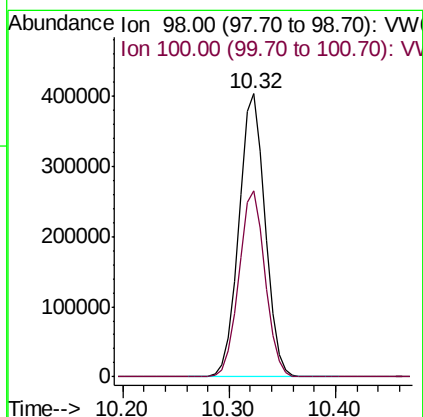
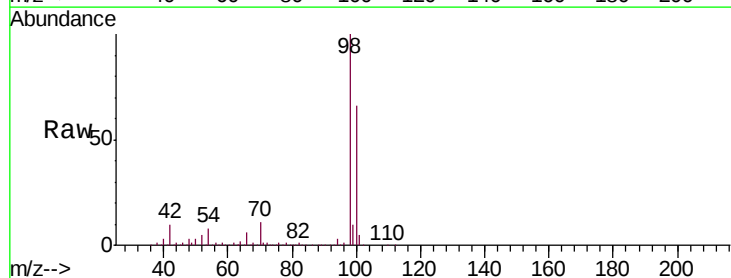
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL02

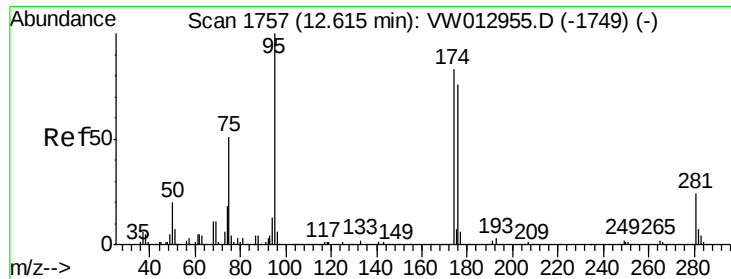
Tgt Ion:117 Resp: 35553
Ion Ratio Lower Upper
117 100
119 4.1 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 55.063 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

Tgt Ion: 98 Resp: 697651
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

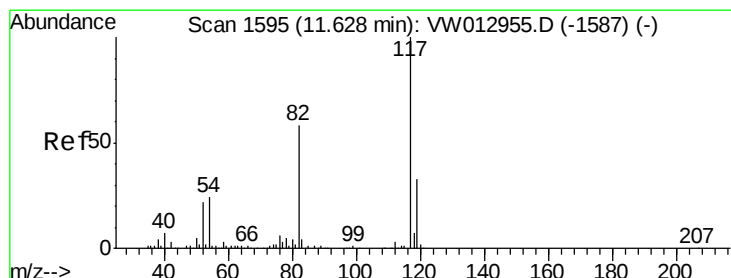
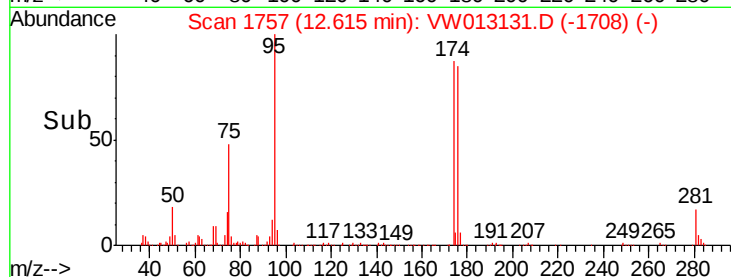
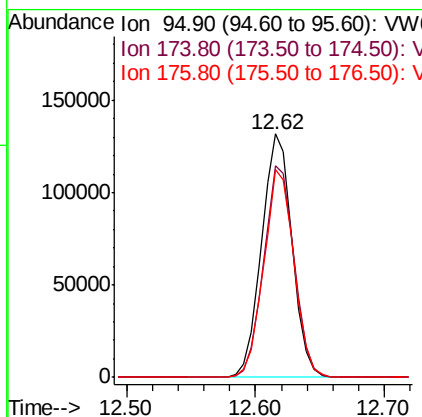
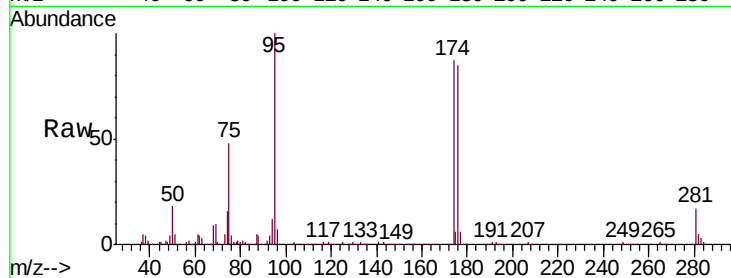




#62
4-Bromofluorobenzene
Concen: 47.316 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

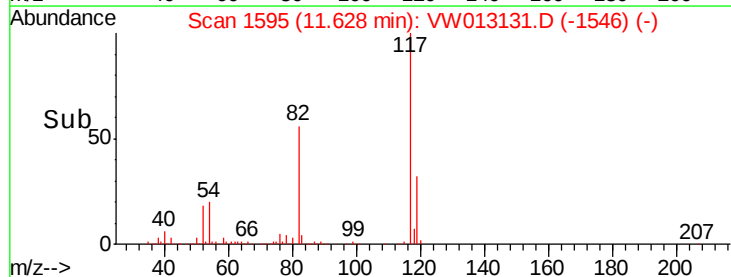
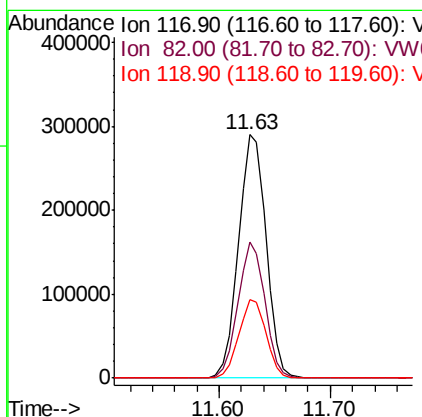
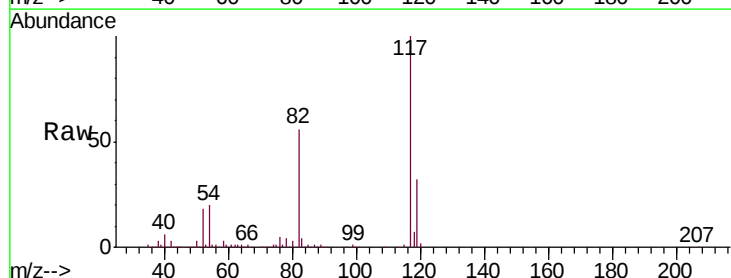
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL02

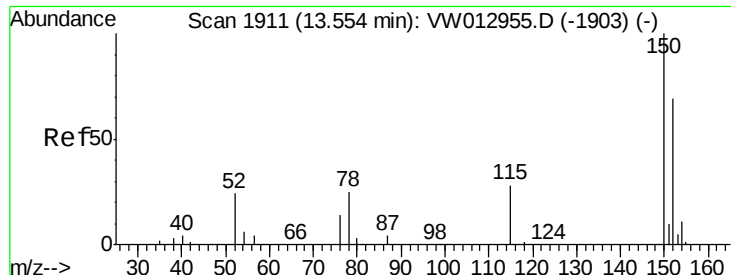
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	170.4
176	85.0	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013131.D
Acq: 19 Sep 2019 00:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.3	69.5
119	32.2	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: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL02

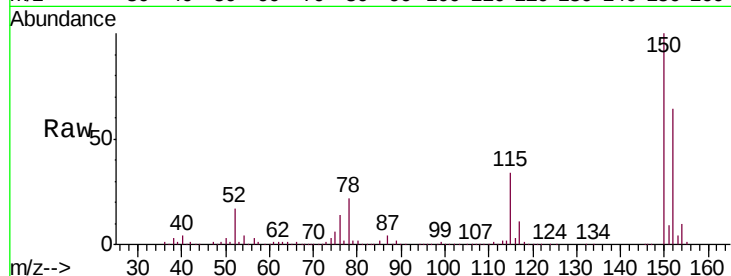
Tgt Ion: 152 Resp: 211965

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.4

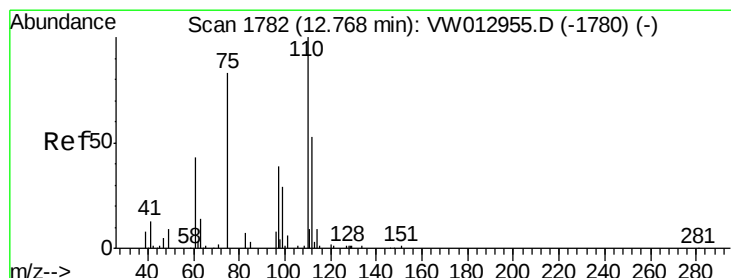
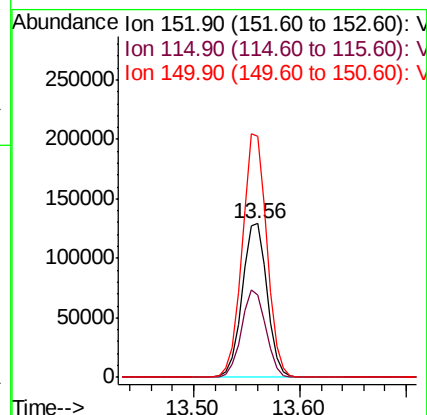
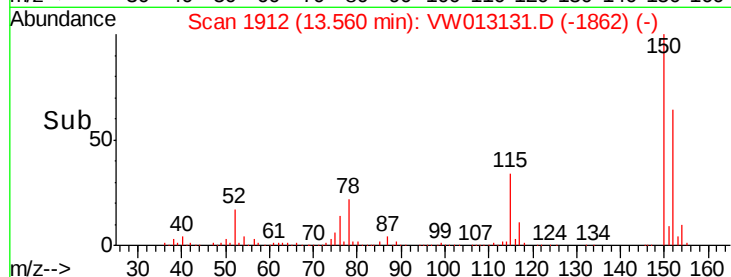
150 156.4 0.0 340.2



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: 54.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013131.D

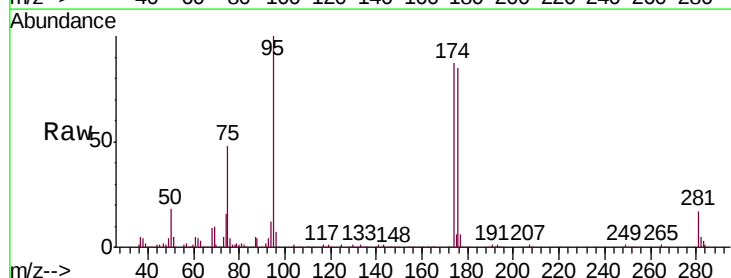
Acq: 19 Sep 2019 00:14

Tgt Ion: 75 Resp: 101976

Ion Ratio Lower Upper

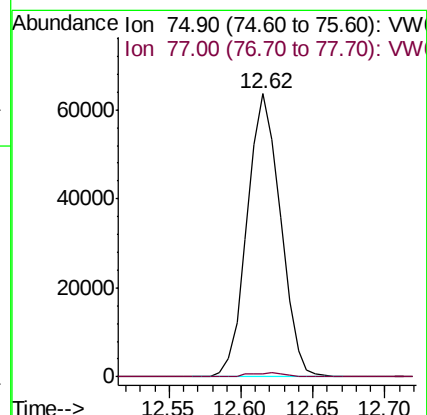
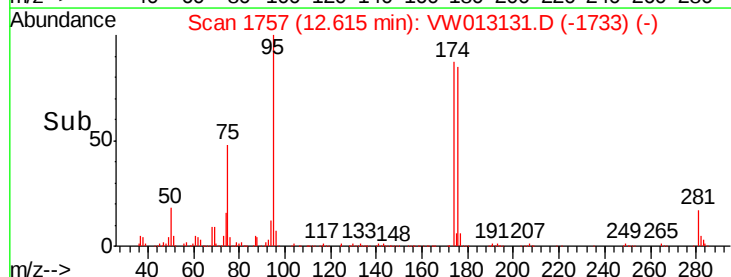
75 100

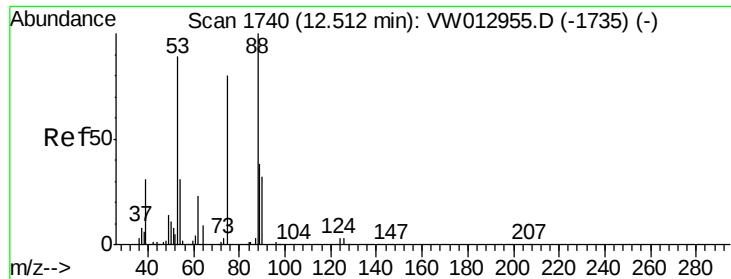
77 1.6 0.0 0.0#



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: 124.596 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013131.D

Acq: 19 Sep 2019 00:14

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL02

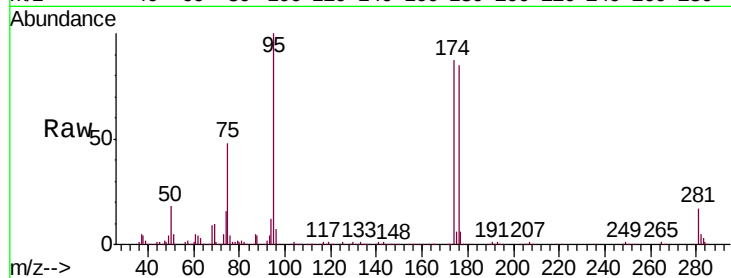
Tgt Ion: 75 Resp: 101976

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

