

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013067.D
 Acq On : 17 Sep 2019 04:04
 Operator : SY/VA
 Sample : K4851-01
 Misc : 6.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)

Quant Time: Sep 17 07:28:49 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	347124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	525880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	198872	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	176868	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	7.88	113	149659	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	10.32	98	645605	57.82	ug/l	0.00
Spiked Amount			Recovery	=	115.64%	
62) 4-Bromofluorobenzene	12.62	95	210004	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	

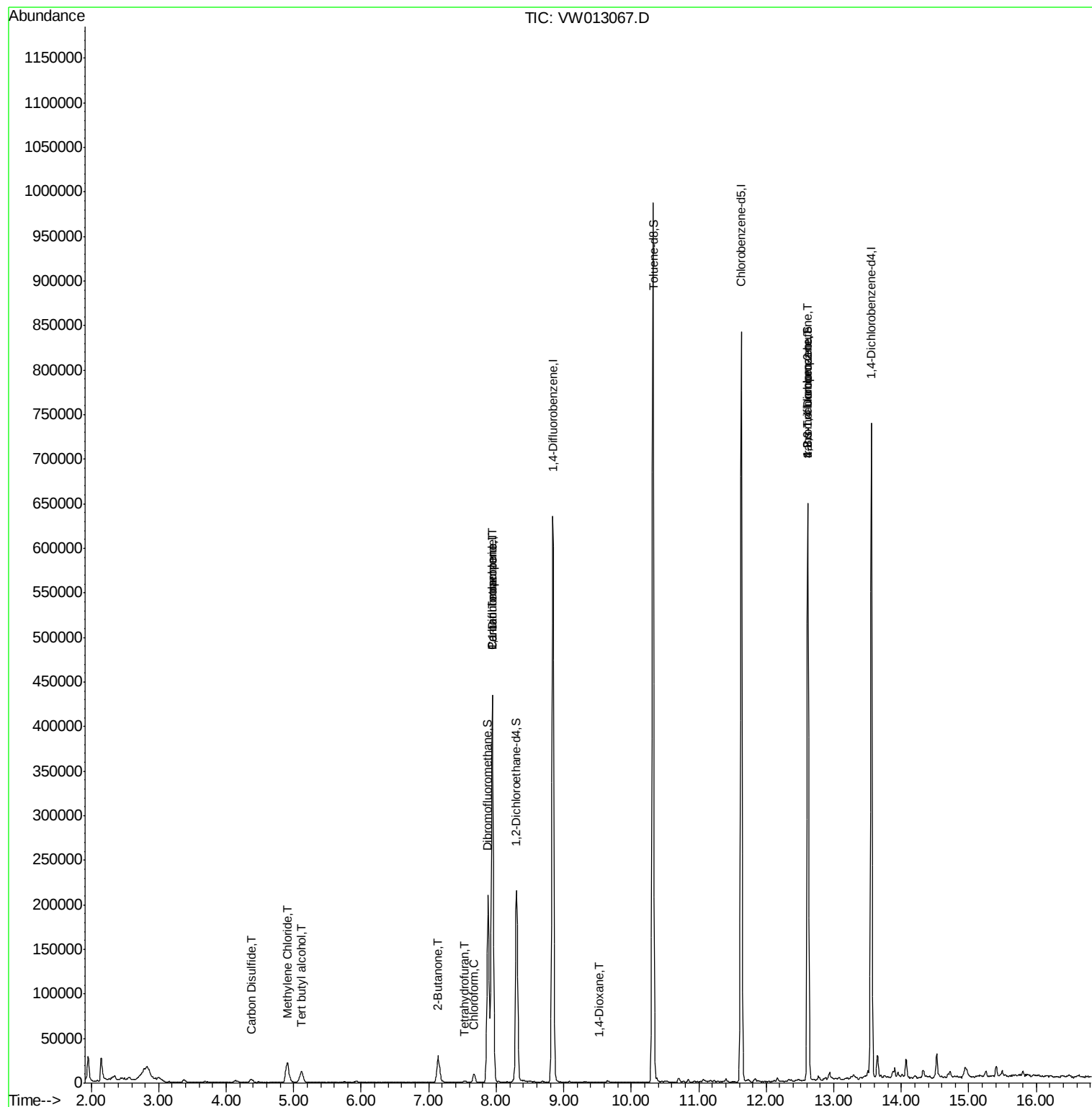
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	602	Below Cal	#	76
11) Tert butyl alcohol	5.11	59	11947	36.951	ug/l #	73
13) Acrolein	4.01	56	45	Below Cal	#	15
16) Acetone	4.14	43	3747	Below Cal	#	86
17) Carbon Disulfide	4.37	76	8228	1.723	ug/l	98
20) Methylene Chloride	4.90	84	16032	1.120	ug/l	95
25) 2-Butanone	7.14	43	2286	2.242	ug/l #	53
26) 2,2-Dichloropropane	7.14	77	2456	Below Cal	#	55
29) Tetrahydrofuran	7.52	42	1275	2.195	ug/l	93
30) Chloroform	7.67	83	8731	1.577	ug/l	99
31) Cyclohexane	7.94	56	6753	Below Cal	#	12
36) 1,1-Dichloropropene	7.94	75	25112	5.976	ug/l #	52
38) Carbon Tetrachloride	7.94	117	31610	7.340	ug/l #	14
49) 1,4-Dioxane	9.52	88	31	1.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	106561	61.173	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106561	138.770	ug/l #	7

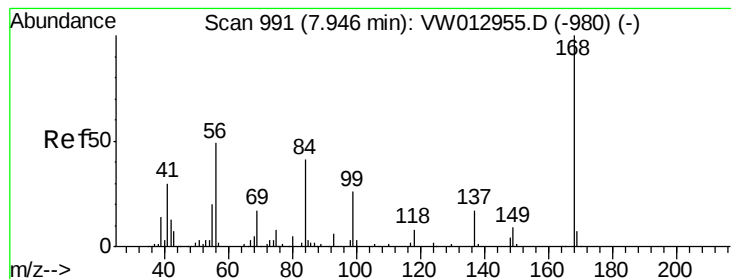
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
Data File : VW013067.D
Acq On : 17 Sep 2019 04:04
Operator : SY/VA
Sample : K4851-01
Misc : 6.40G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)

Quant Time: Sep 17 07:28:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

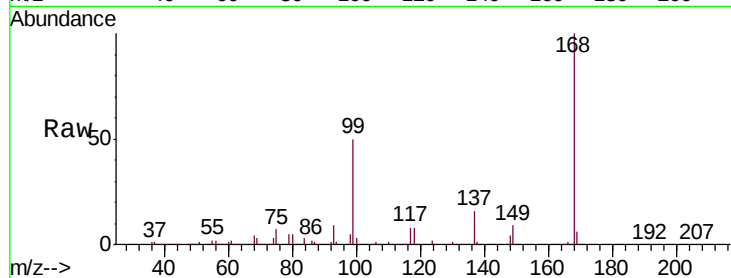
SB-3C-(9)

Tgt Ion:168 Resp: 347124

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

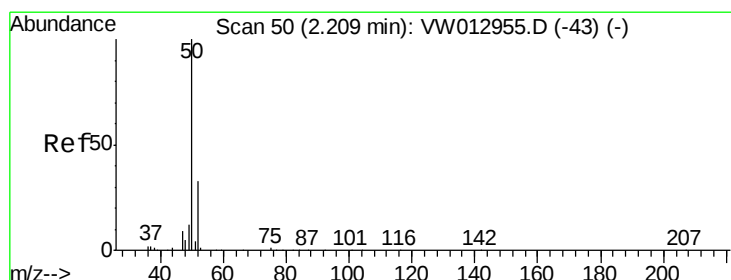
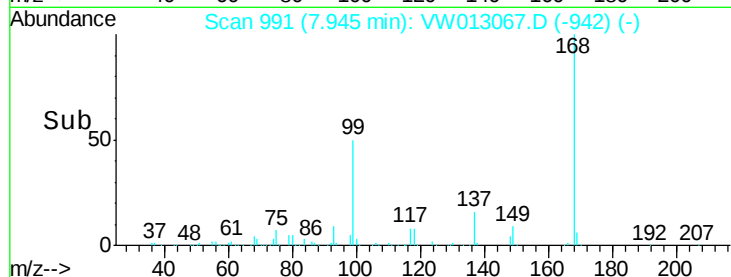
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013067.D

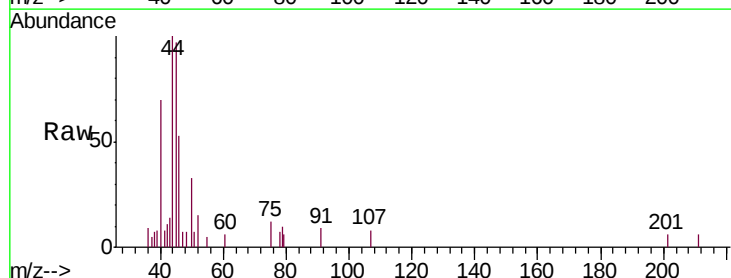
Acq: 17 Sep 2019 04:04

Tgt Ion: 50 Resp: 602

Ion Ratio Lower Upper

50 100

52 47.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

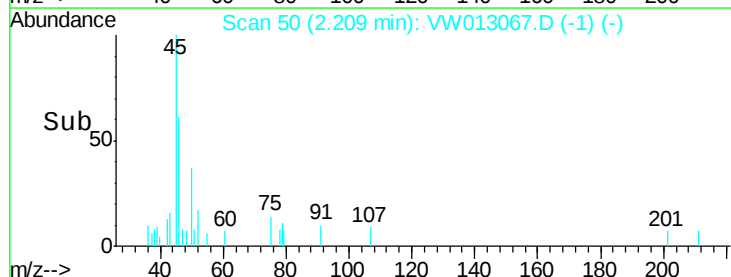
300

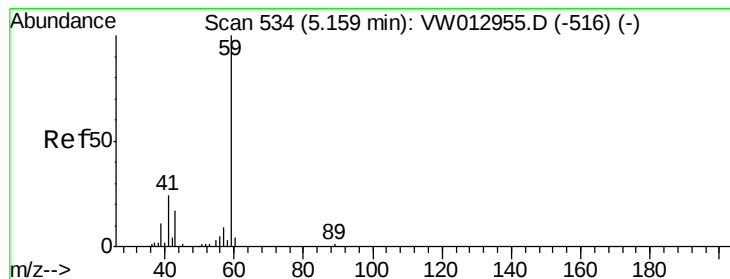
200

100

0

Time--> 2.15 2.20 2.25





#11

Tert butyl alcohol

Concen: 36.951 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

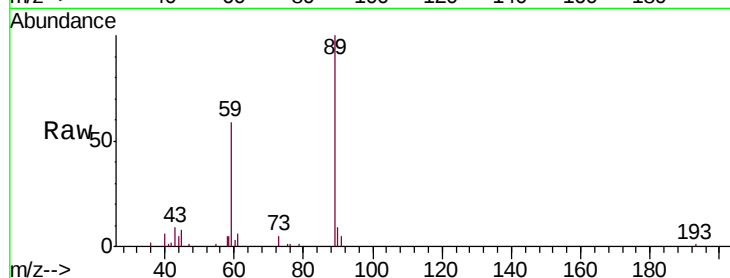
SB-3C-(9)

Tgt Ion: 59 Resp: 11947

Ion Ratio Lower Upper

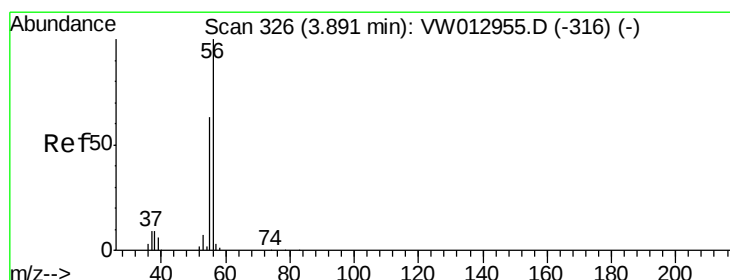
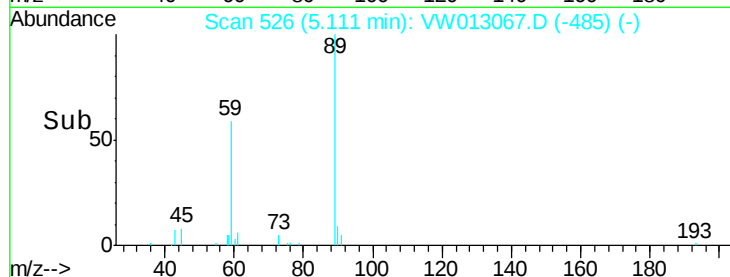
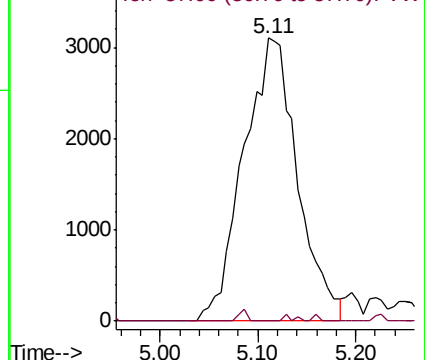
59 100

57 0.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: Below Cal

RT: 4.01 min Scan# 345

Delta R.T. 0.12 min

Lab File: VW013067.D

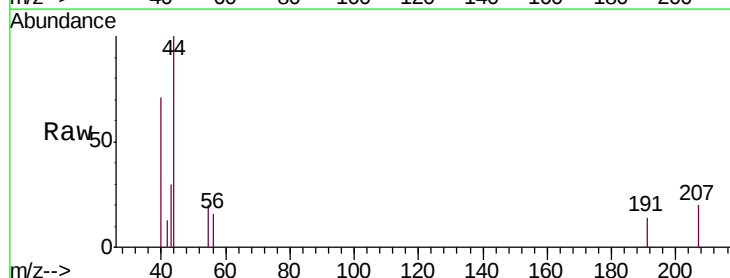
Acq: 17 Sep 2019 04:04

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

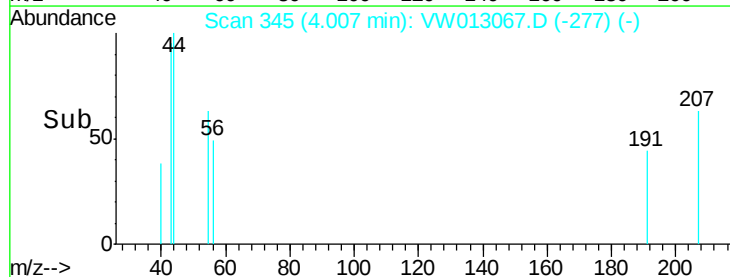
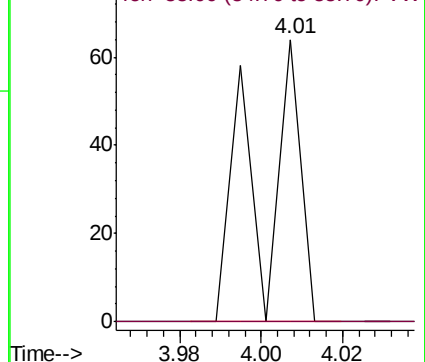
56 100

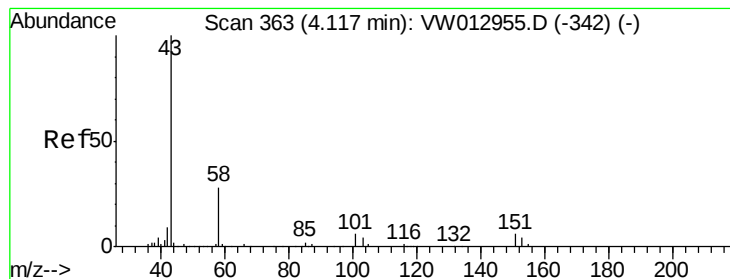
55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

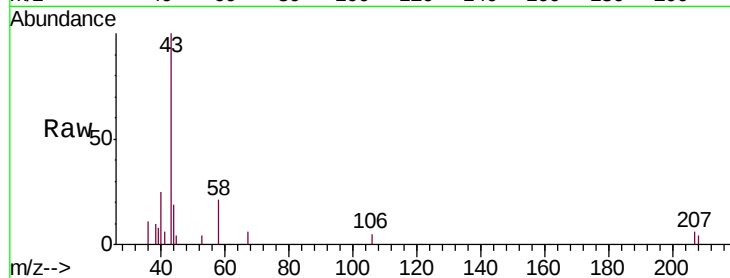
SB-3C-(9)

Tgt Ion: 43 Resp: 3747

Ion Ratio Lower Upper

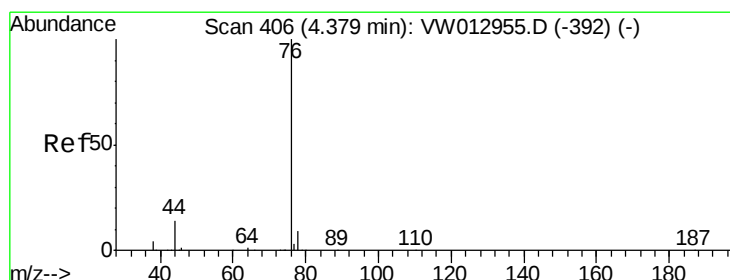
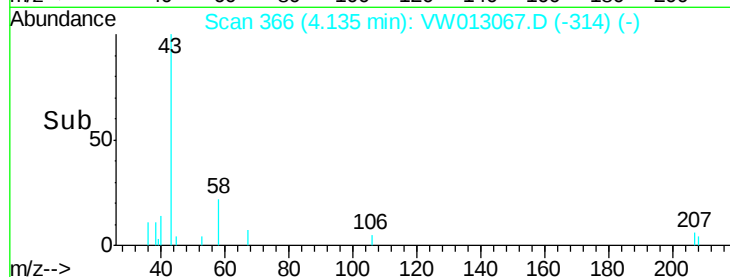
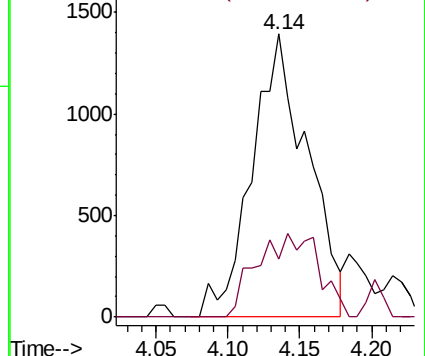
43 100

58 20.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.723 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013067.D

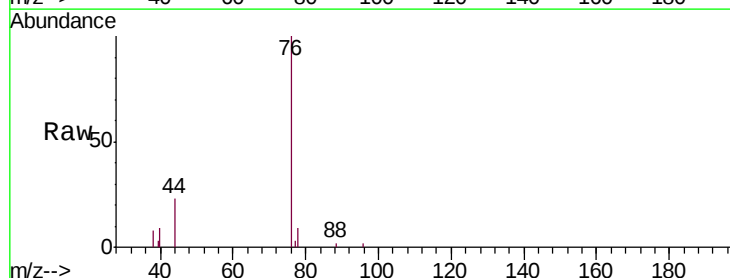
Acq: 17 Sep 2019 04:04

Tgt Ion: 76 Resp: 8228

Ion Ratio Lower Upper

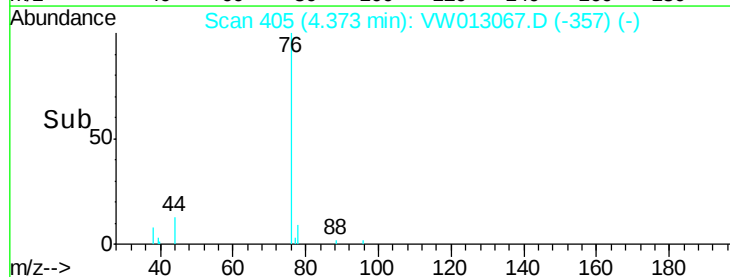
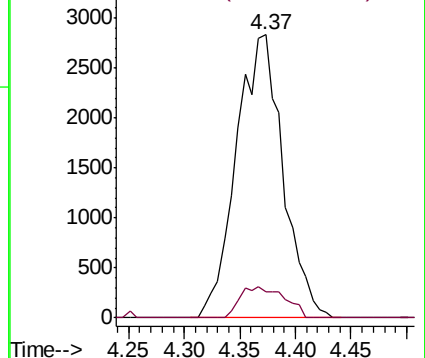
76 100

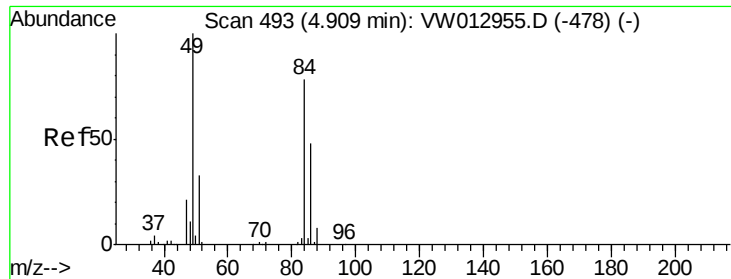
78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

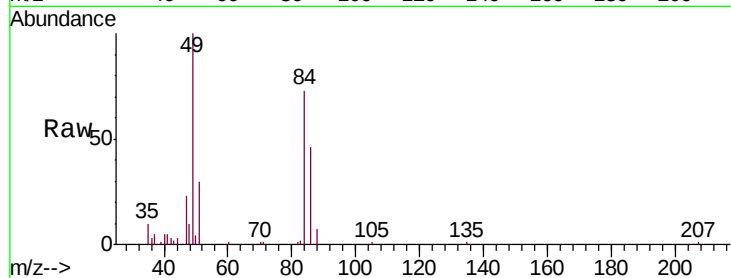




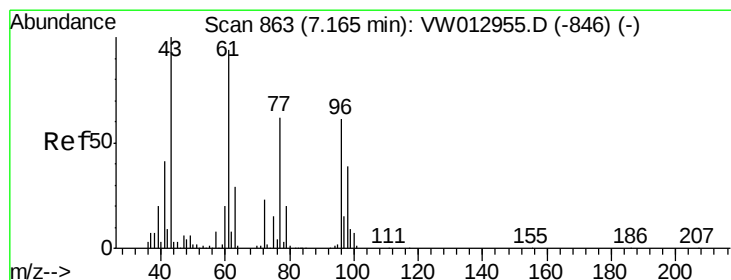
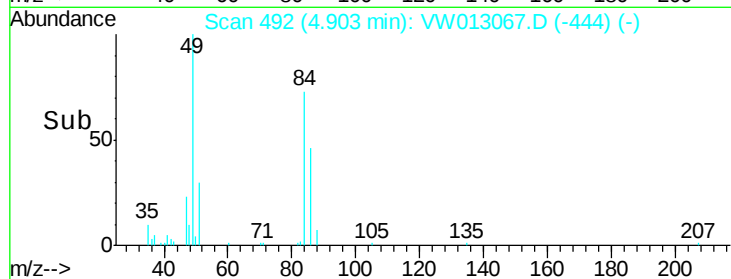
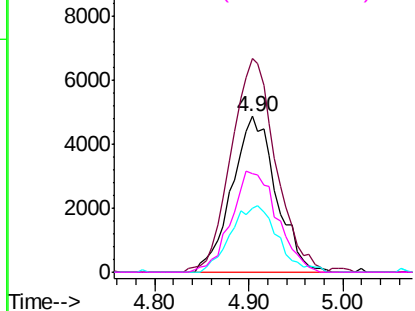
#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

Instrument :
MSVOA_W
ClientSampled :
SB-3C-(9)

Tgt Ion: 84 Resp: 16032
Ion Ratio Lower Upper
84 100
49 134.8 102.0 153.0
51 41.0 34.0 51.0
86 63.5 48.5 72.7

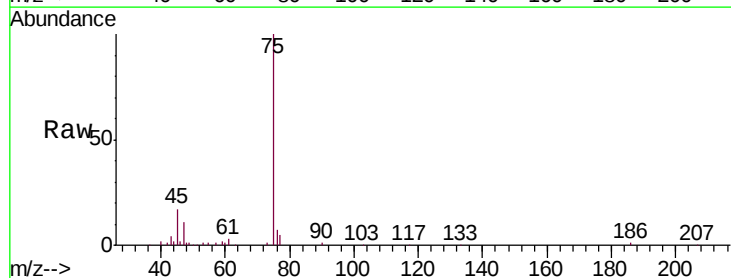


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

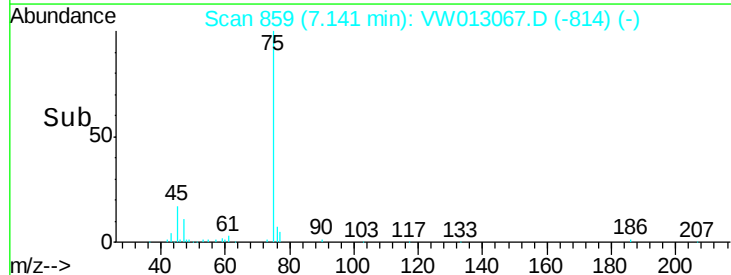
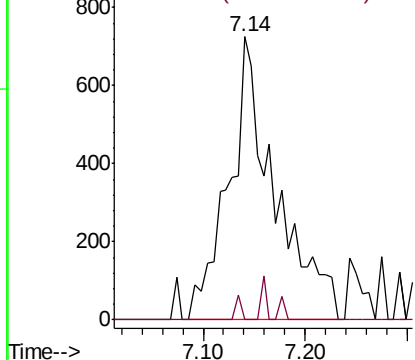


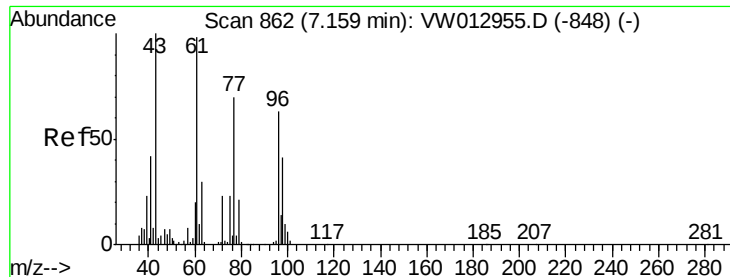
#25
2-Butanone
Concen: 2.242 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

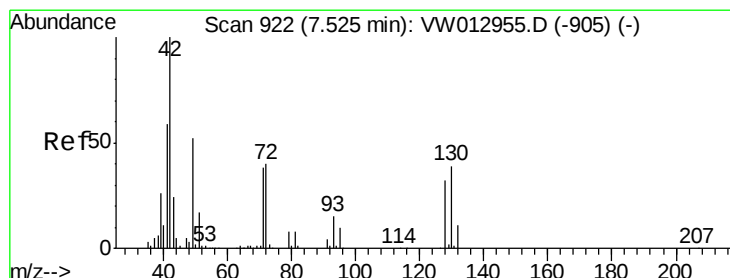
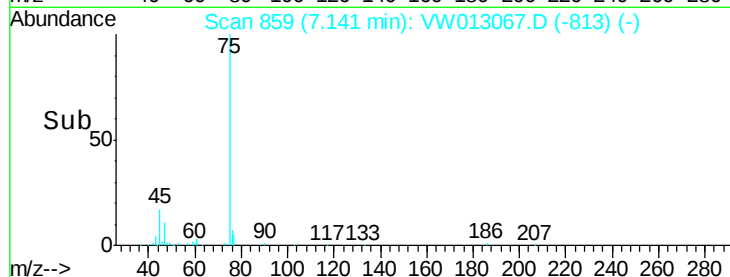
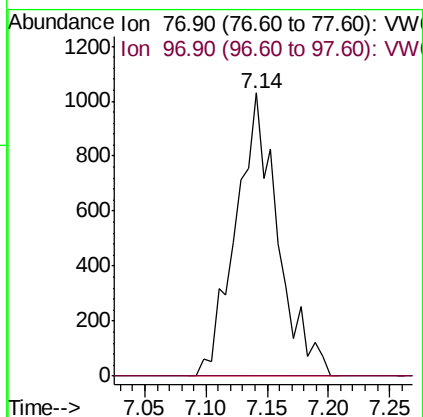
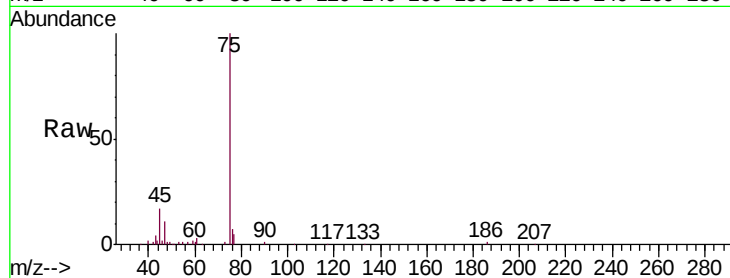




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013067.D
 Acq: 17 Sep 2019 04:04

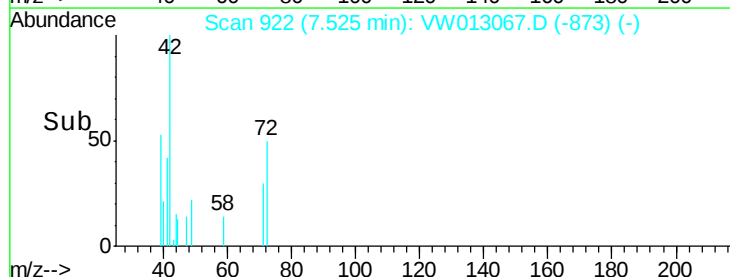
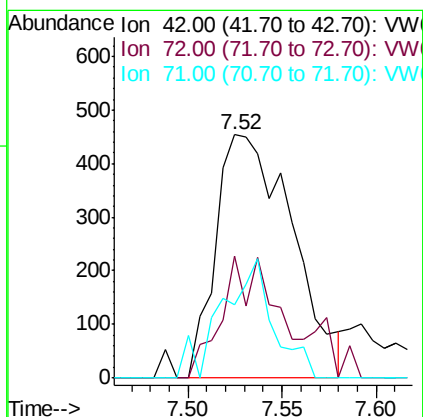
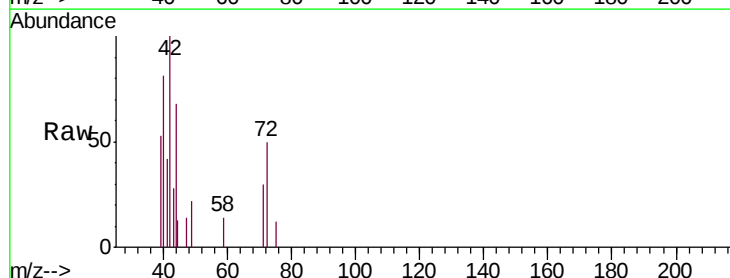
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)

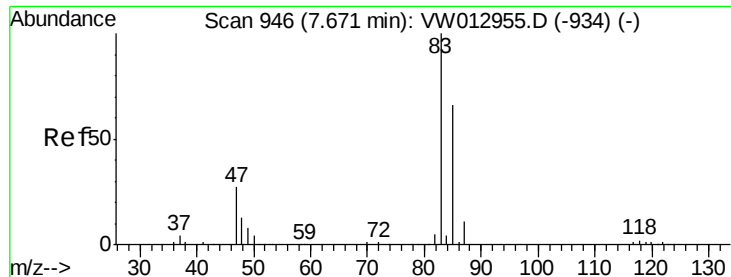
Tgt Ion: 77 Resp: 2456
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 2.195 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VW013067.D
 Acq: 17 Sep 2019 04:04

Tgt Ion: 42 Resp: 1275
 Ion Ratio Lower Upper
 42 100
 72 35.5 31.4 47.0
 71 32.9 29.8 44.8

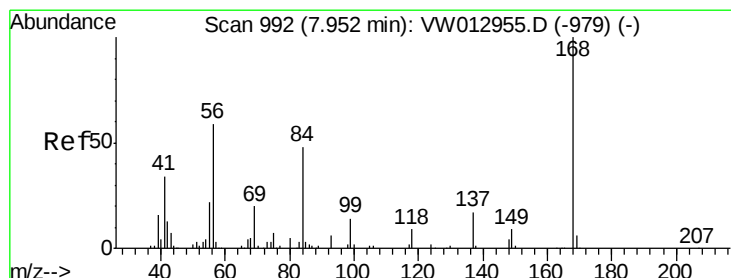
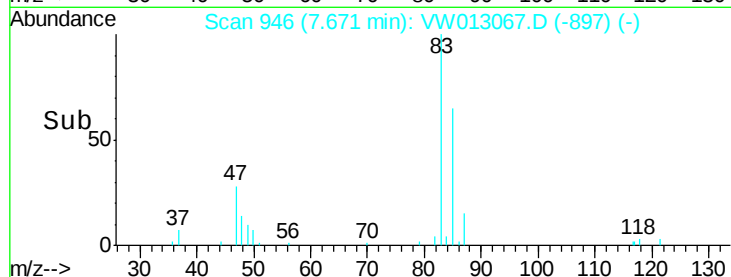
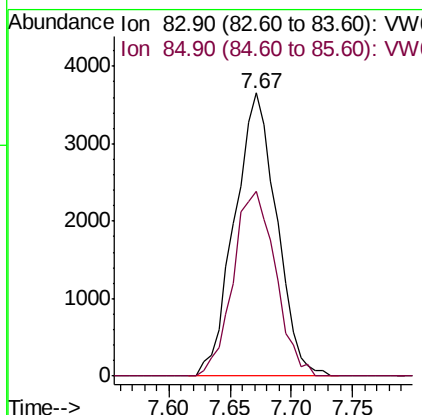
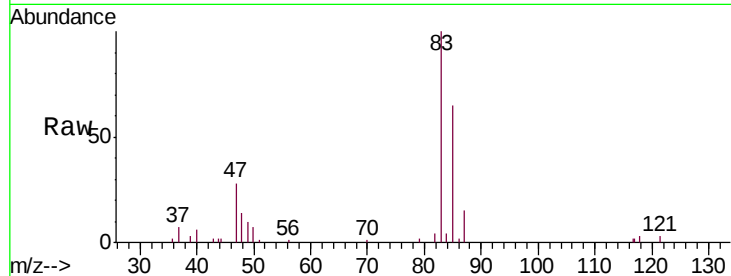




#30
Chloroform
Concen: 1.577 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

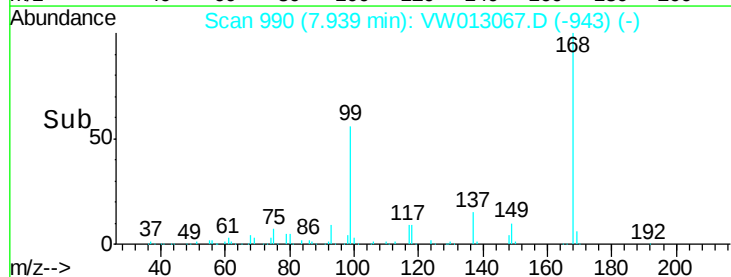
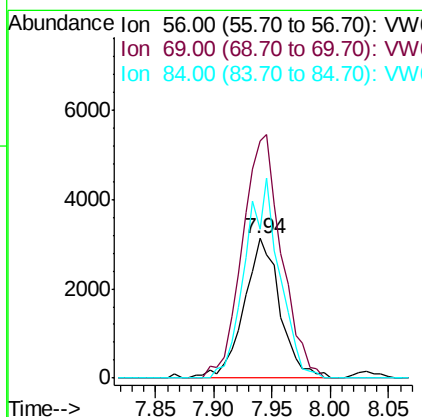
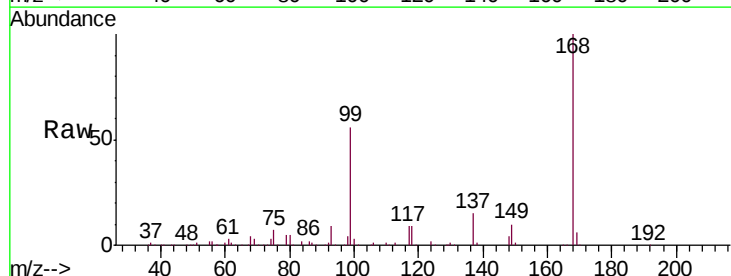
Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)

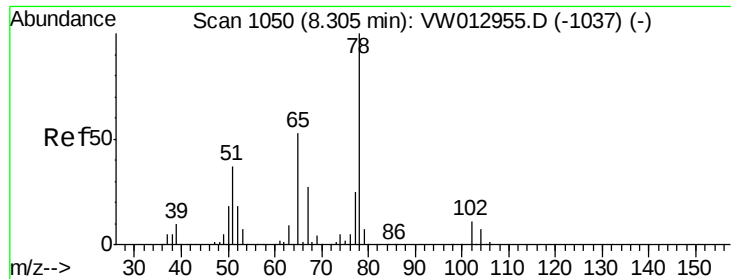
Tgt Ion: 83 Resp: 8731
Ion Ratio Lower Upper
83 100
85 65.4 52.8 79.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

Tgt Ion: 56 Resp: 6753
Ion Ratio Lower Upper
56 100
69 169.6 27.0 40.6#
84 106.7 66.2 99.2#

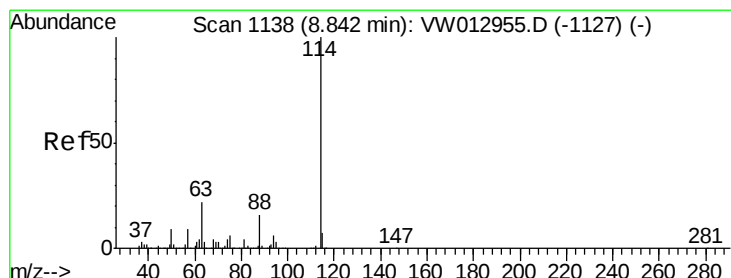
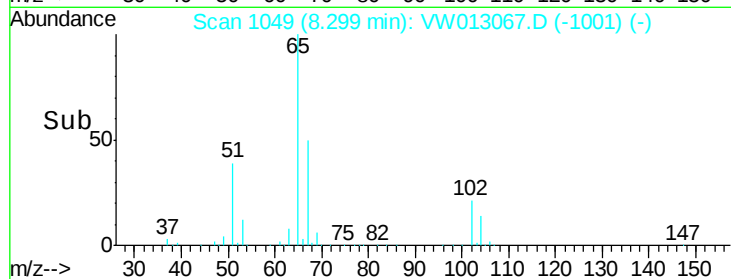
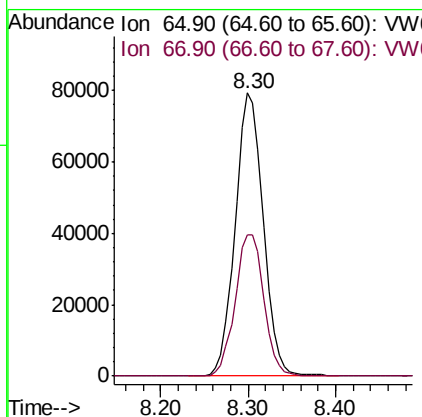
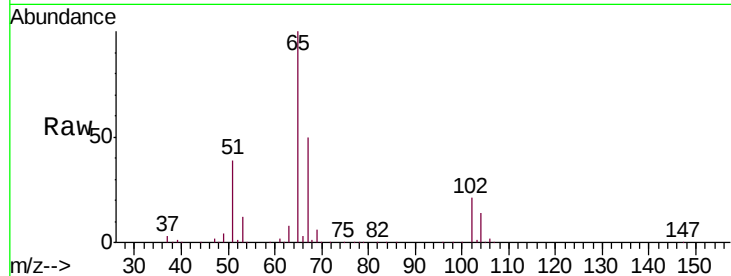




#33
 1,2-Dichloroethane-d4
 Concen: 55.169 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013067.D
 Acq: 17 Sep 2019 04:04

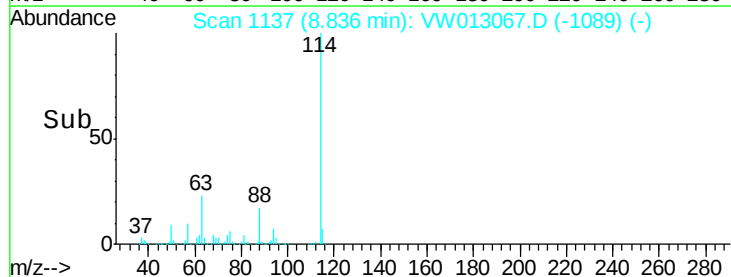
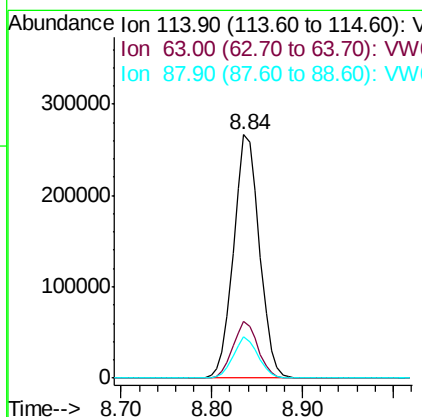
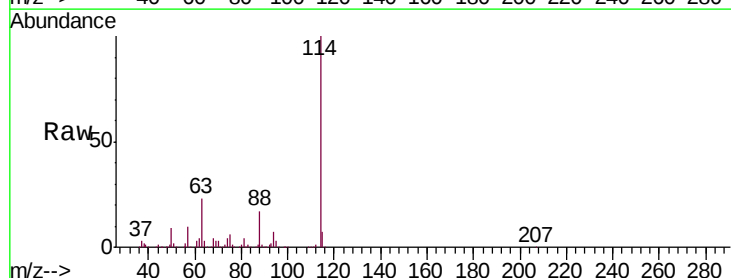
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)

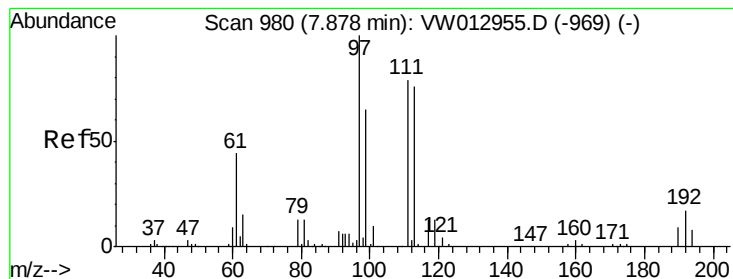
Tgt Ion: 65 Resp: 176868
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013067.D
 Acq: 17 Sep 2019 04:04

Tgt Ion: 114 Resp: 525880
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.4
 88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.448 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)

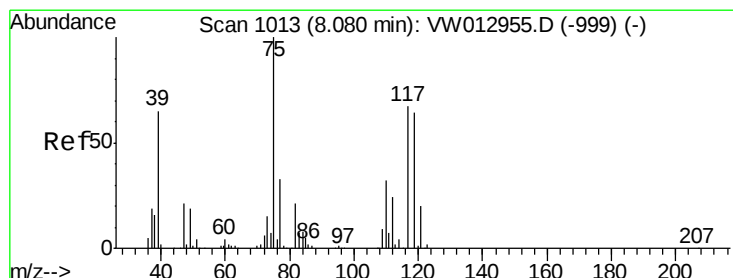
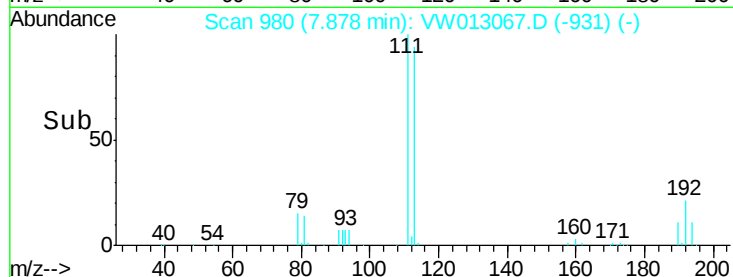
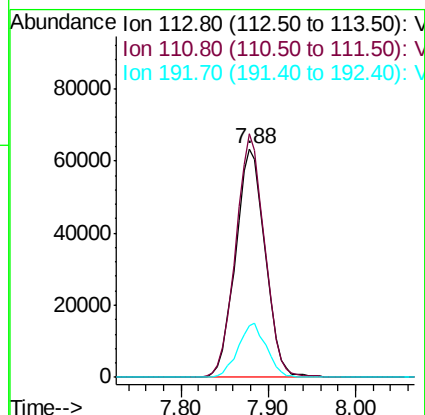
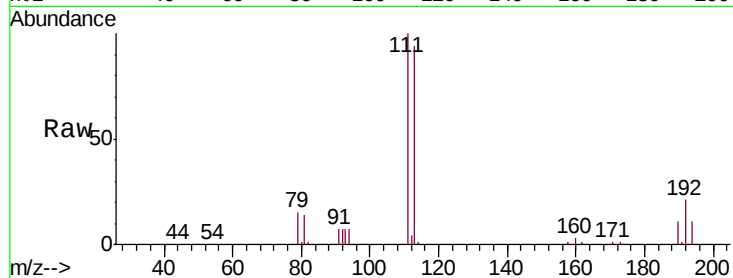
Tgt Ion:113 Resp: 149659

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 22.6 17.8 26.8



#36

1,1-Dichloropropene

Concen: 5.976 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

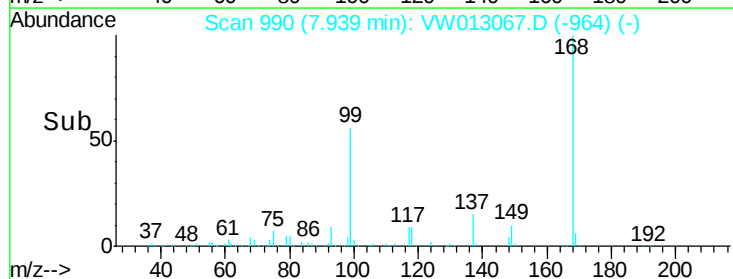
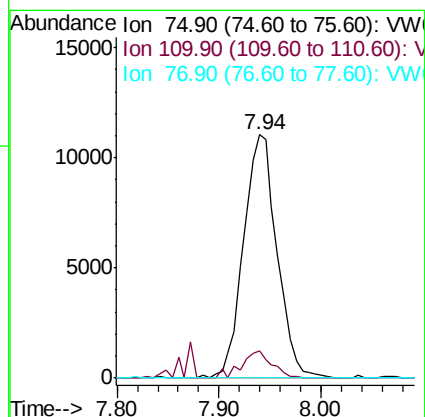
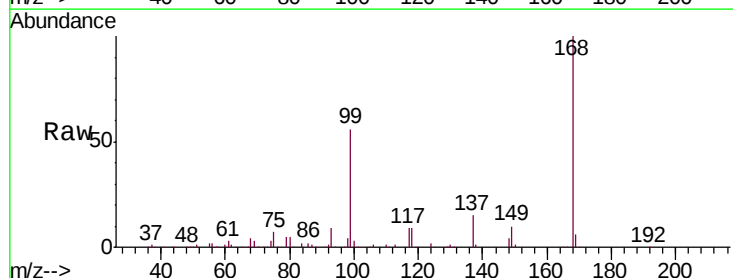
Tgt Ion: 75 Resp: 25112

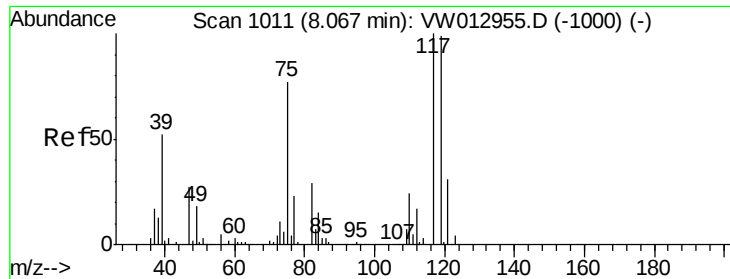
Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 7.340 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)

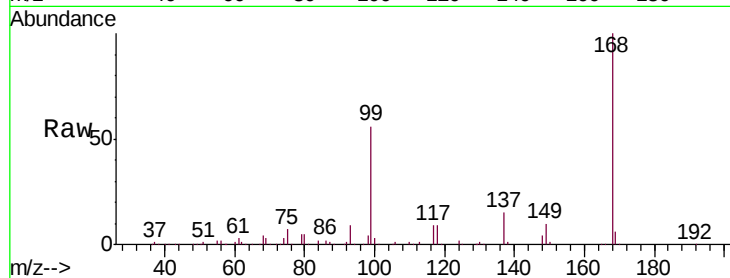
Tgt Ion:117 Resp: 31610

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.0#

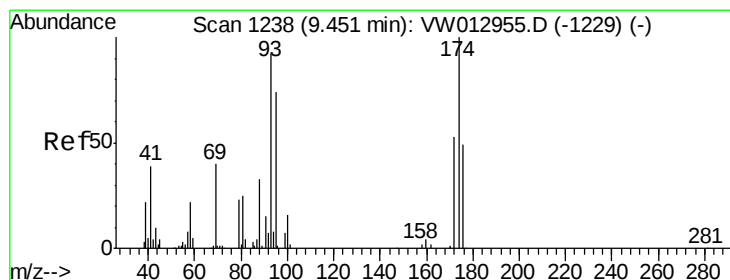
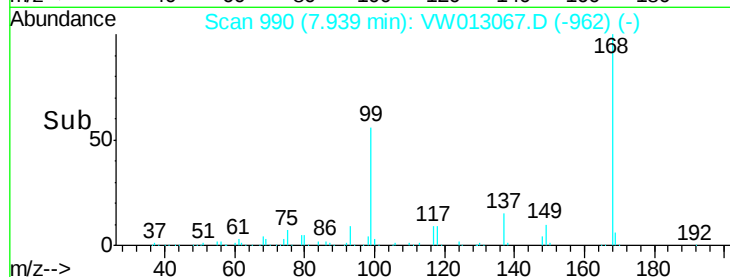
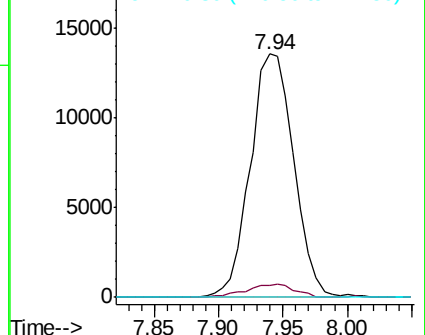
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.239 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.07 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

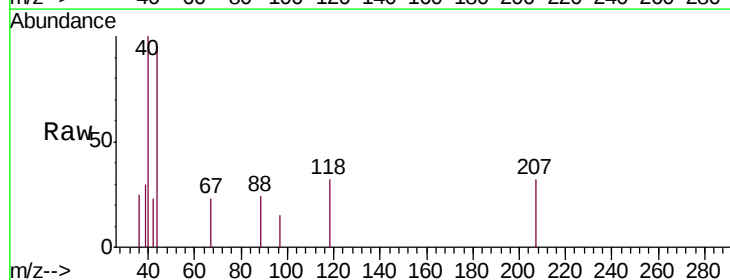
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 290.3 31.3 46.9#

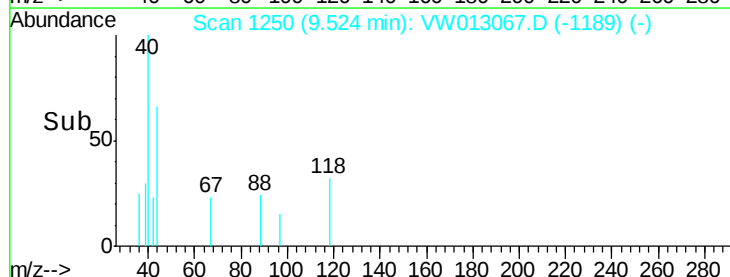
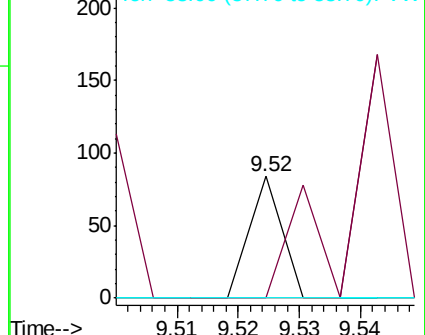
58 0.0 60.2 90.2#

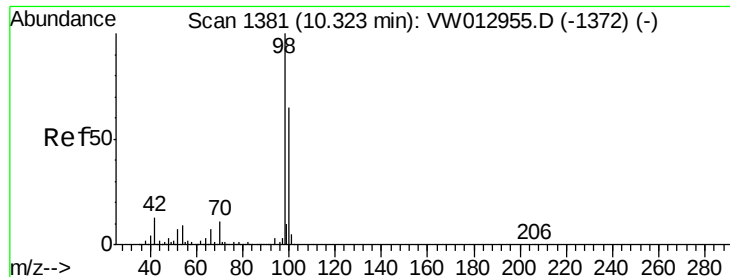


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 57.819 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

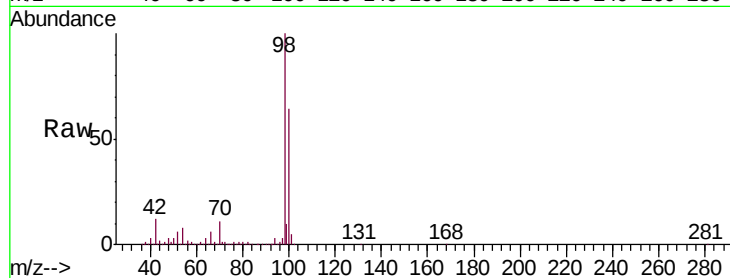
SB-3C-(9)

Tgt Ion: 98 Resp: 645605

Ion Ratio Lower Upper

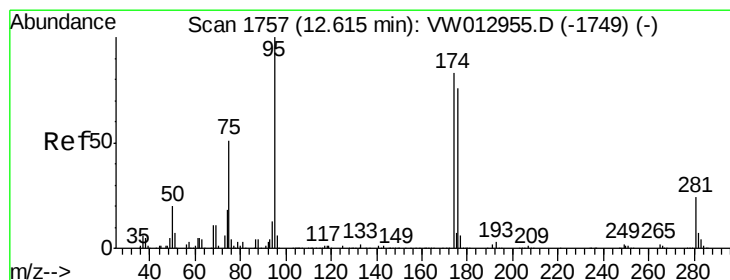
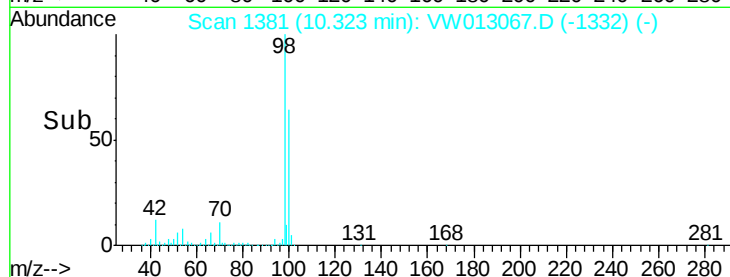
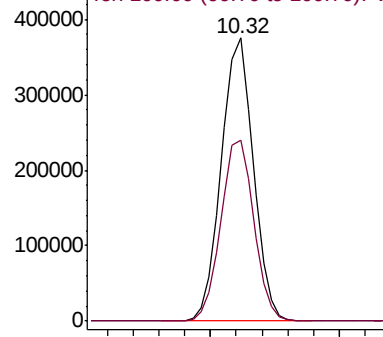
98 100

100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 52.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

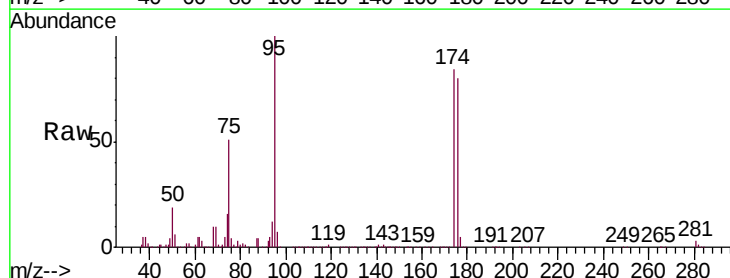
Tgt Ion: 95 Resp: 210004

Ion Ratio Lower Upper

95 100

174 84.6 0.0 170.4

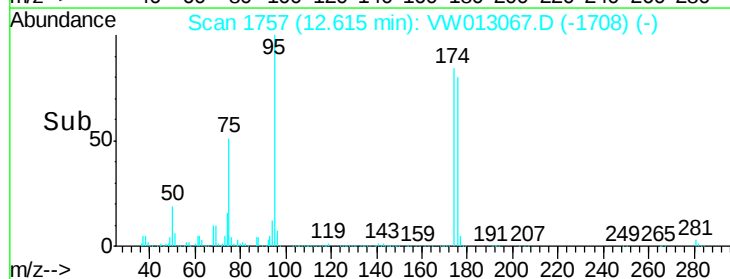
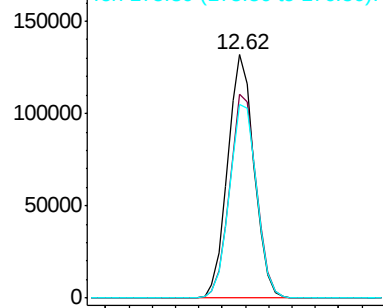
176 82.2 0.0 164.6

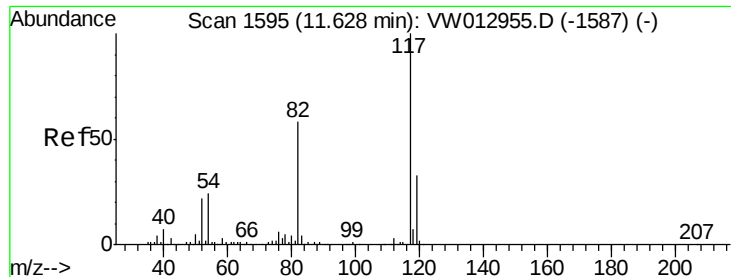


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

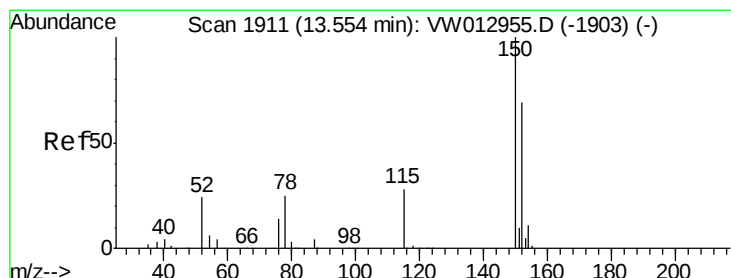
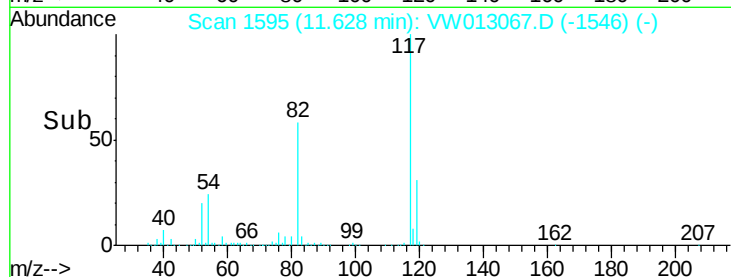
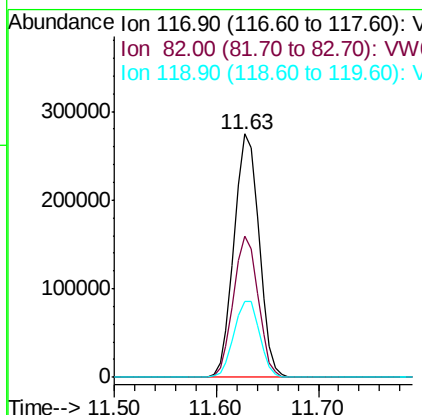
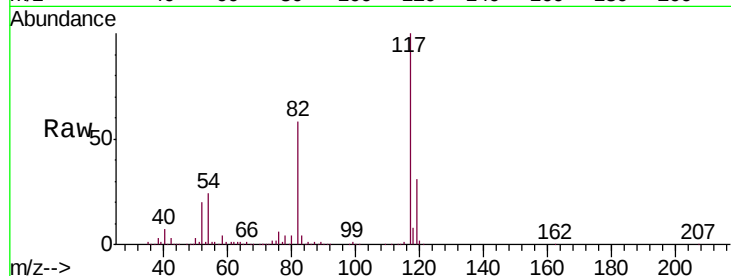




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

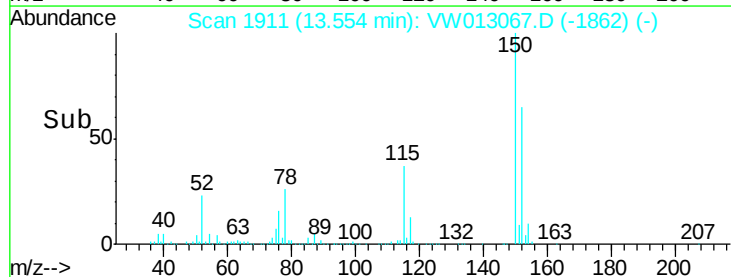
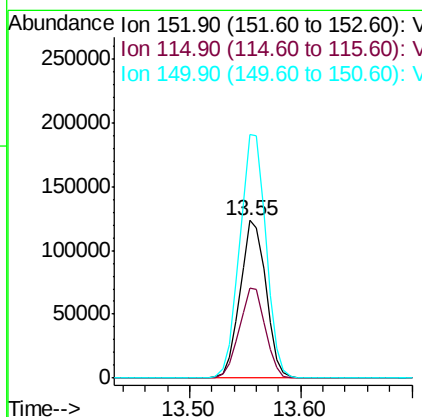
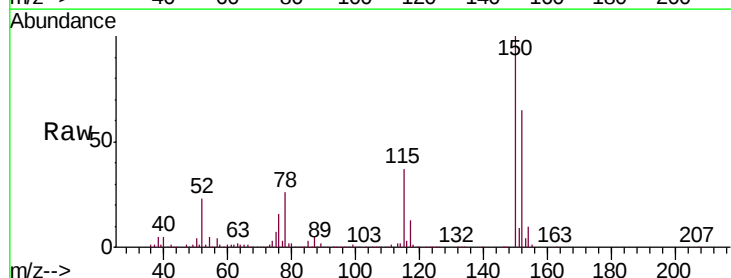
Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)

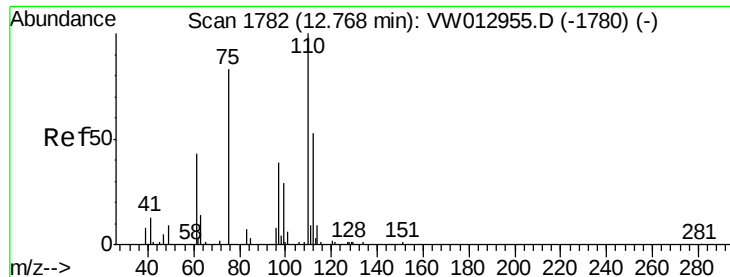
Tgt Ion:117 Resp: 464972
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013067.D
Acq: 17 Sep 2019 04:04

Tgt Ion:152 Resp: 198872
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.4
150 157.1 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 61.173 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

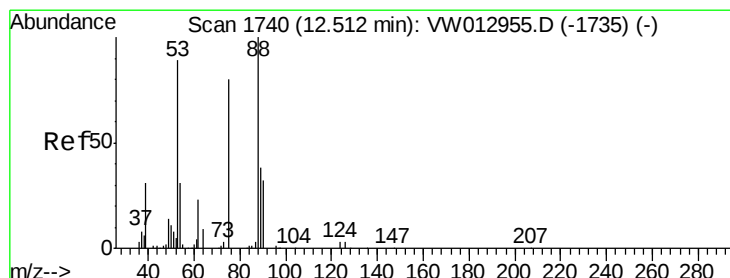
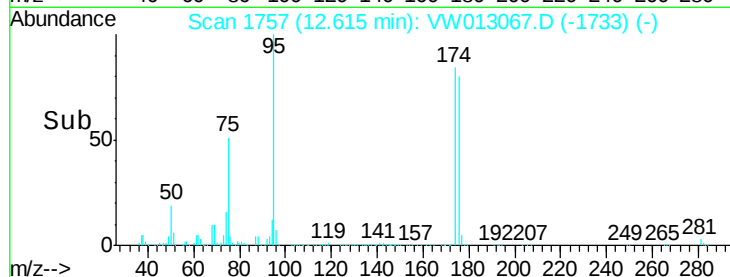
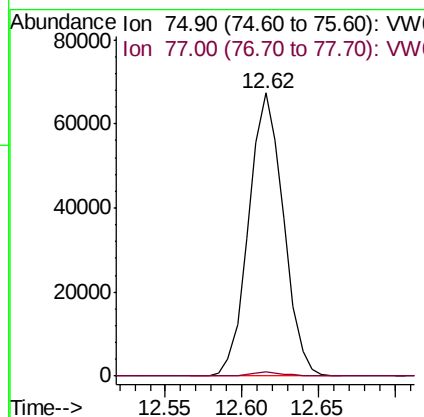
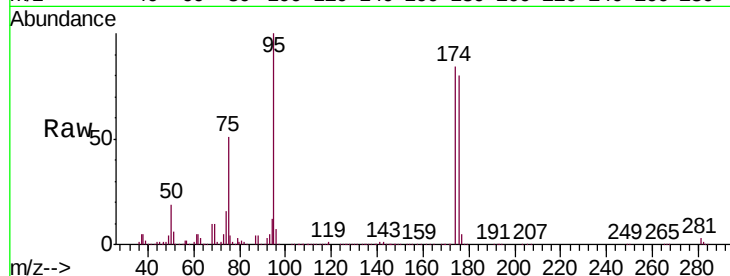
SB-3C-(9)

Tgt Ion: 75 Resp: 106561

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.770 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013067.D

Acq: 17 Sep 2019 04:04

Tgt Ion: 75 Resp: 106561

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.1 37.2 55.8#

