

Data File : VW013137.D
Acq On : 19 Sep 2019 03:15
Operator : SY/VA
Sample : K4924-09
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-49-12.5-13.0

Quant Time: Sep 19 08:03:51 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	408752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	494331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206581	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	161881	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	
35) Dibromofluoromethane	7.88	113	163074	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.32	98	694405	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.62	95	208293	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	

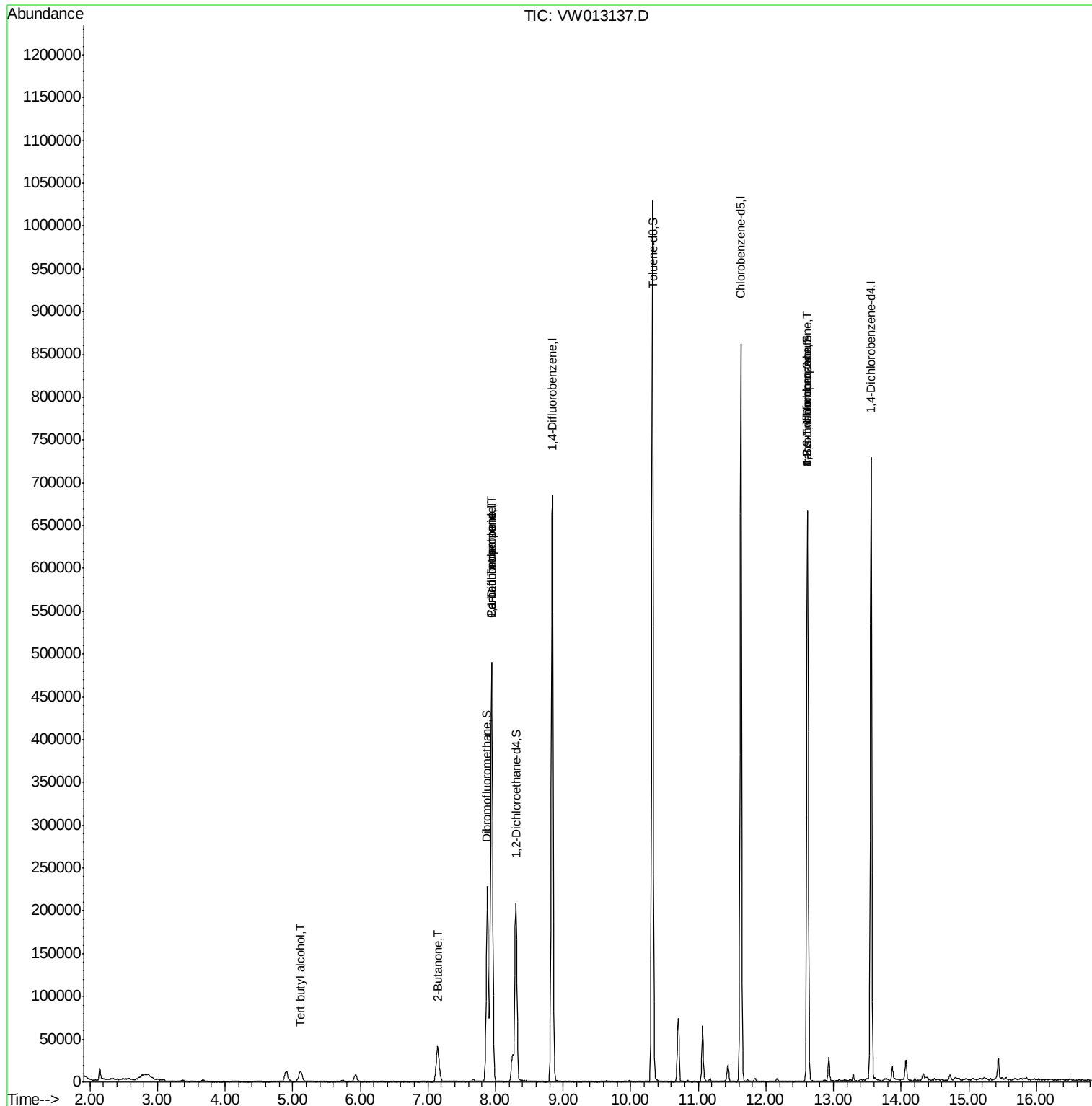
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	71	Below Cal	#	44
3) Chloromethane	2.20	50	311	Below Cal	#	84
11) Tert butyl alcohol	5.11	59	11882	27.569	ug/l #	72
16) Acetone	4.15	43	2434	Below Cal		98
20) Methylene Chloride	4.90	84	9444	Below Cal	#	90
25) 2-Butanone	7.15	43	2300	1.916	ug/l #	53
26) 2,2-Dichloropropane	7.13	77	3219	Below Cal	#	55
31) Cyclohexane	7.94	56	7125	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	27598	5.692	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35905	7.227	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	100971	55.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100971	126.583	ug/l #	7

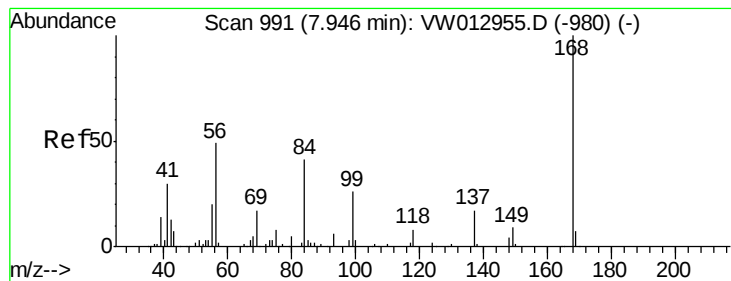
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013137.D
Acq On : 19 Sep 2019 03:15
Operator : SY/VA
Sample : K4924-09
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-49-12.5-13.0

Quant Time: Sep 19 08:03:51 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

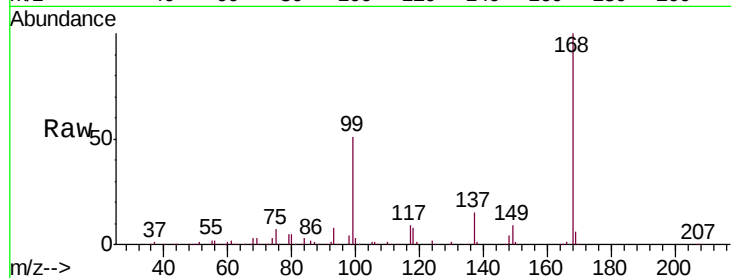
SB-49-12.5-13.0

Tgt Ion:168 Resp: 408752

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

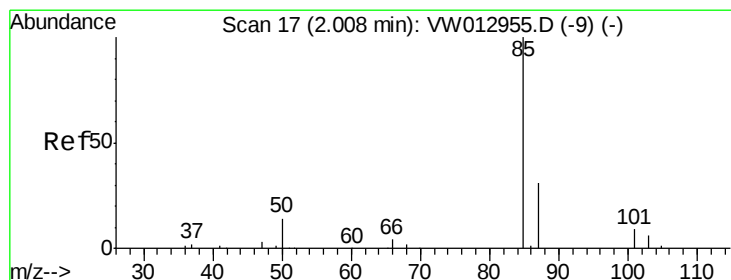
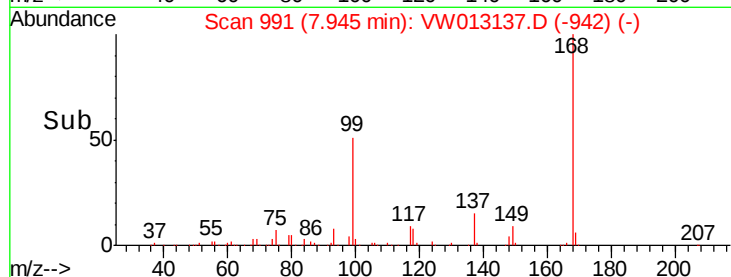
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013137.D

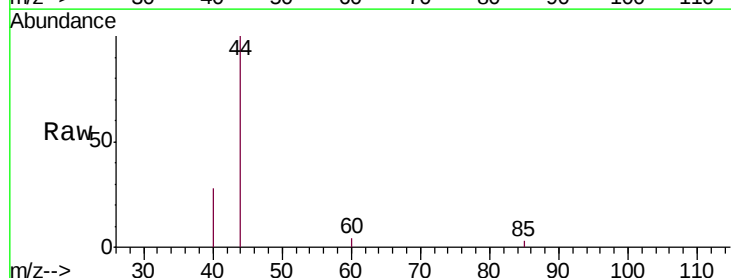
Acq: 19 Sep 2019 03:15

Tgt Ion: 85 Resp: 71

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80

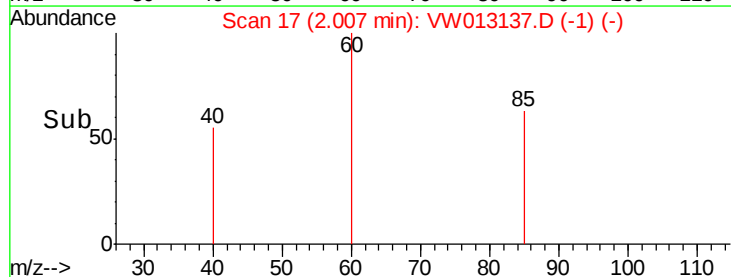
60

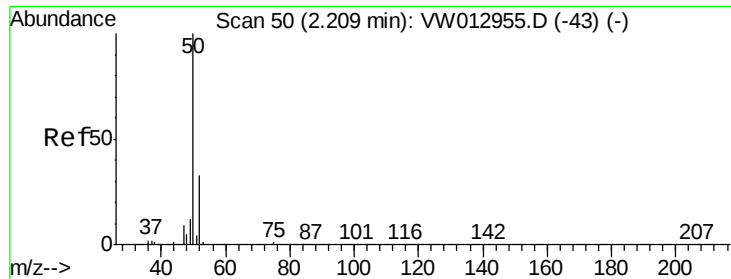
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

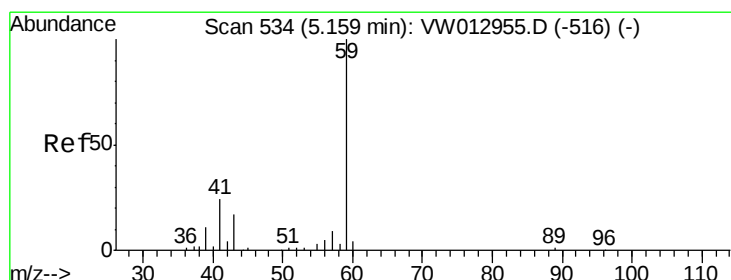
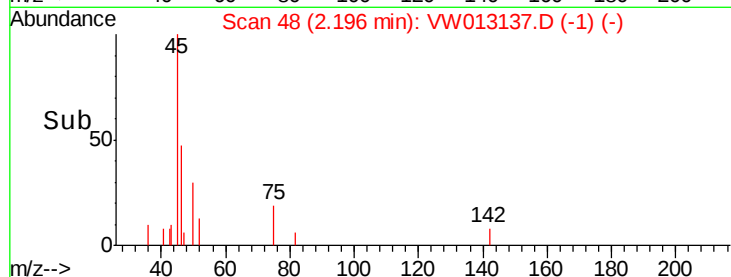
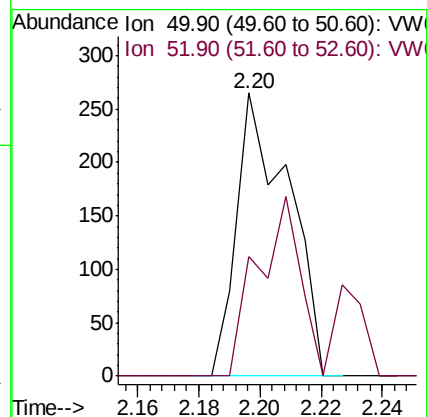
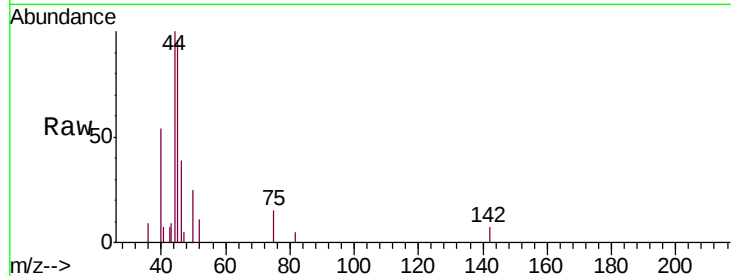
SB-49-12.5-13.0

Tgt Ion: 50 Resp: 311

Ion Ratio Lower Upper

50 100

52 42.3 26.6 39.8#



#11

Tert butyl alcohol

Concen: 27.569 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013137.D

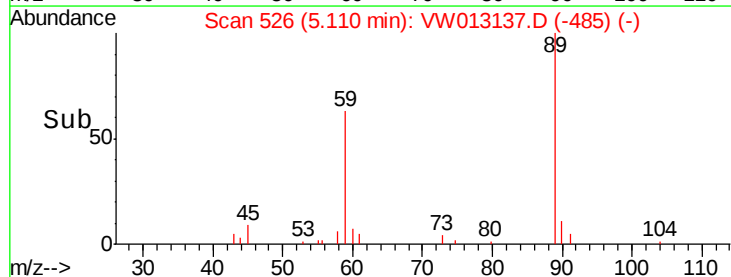
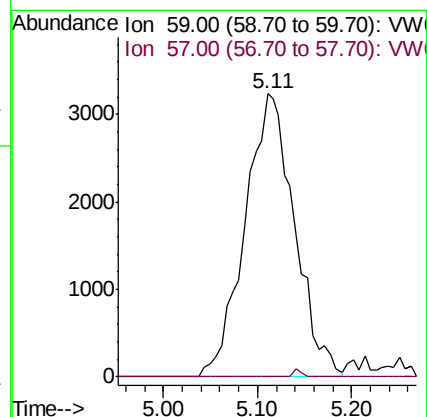
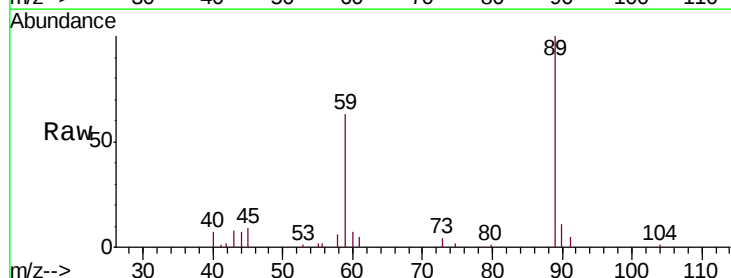
Acq: 19 Sep 2019 03:15

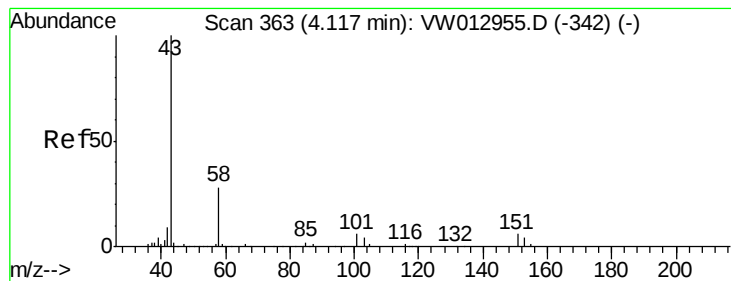
Tgt Ion: 59 Resp: 11882

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: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

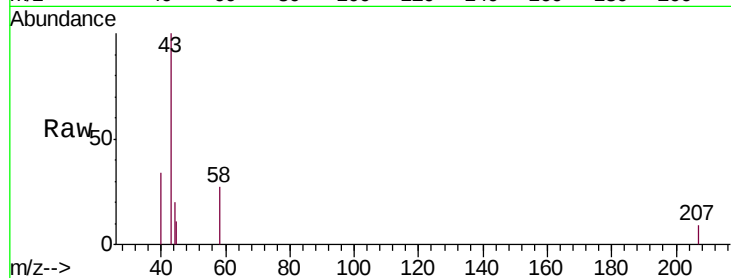
SB-49-12.5-13.0

Tgt Ion: 43 Resp: 2434

Ion Ratio Lower Upper

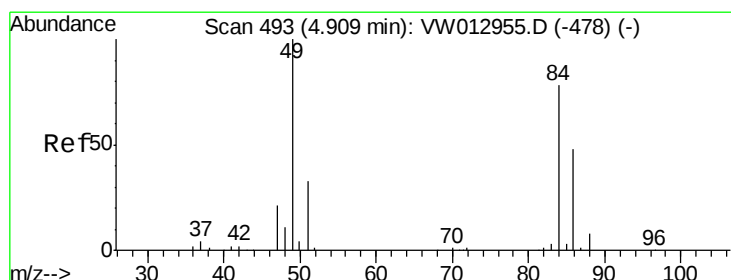
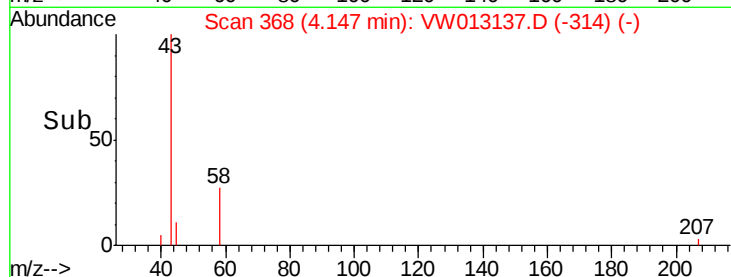
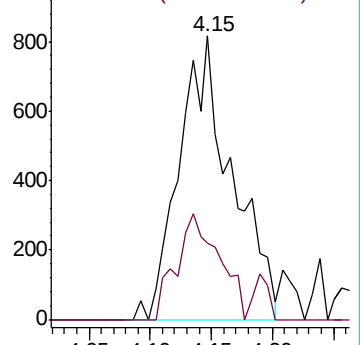
43 100

58 26.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Tgt Ion: 84 Resp: 9444

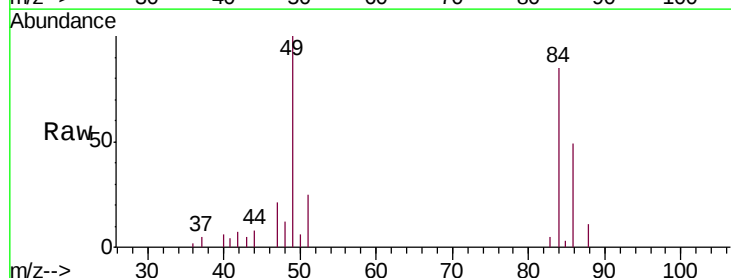
Ion Ratio Lower Upper

84 100

49 117.5 102.0 153.0

51 29.2 34.0 51.0#

86 57.2 48.5 72.7

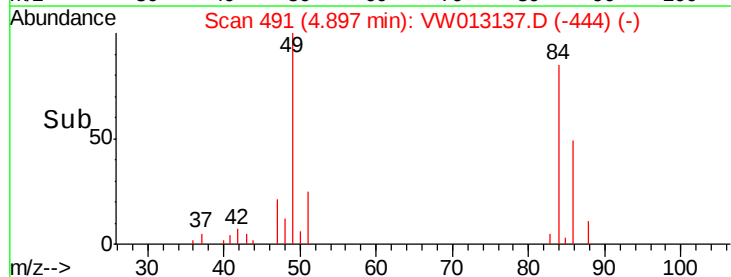
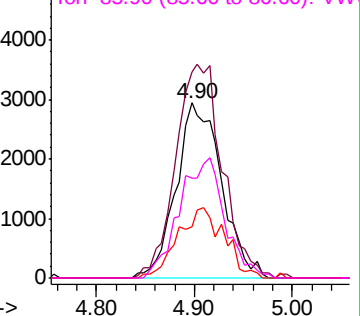


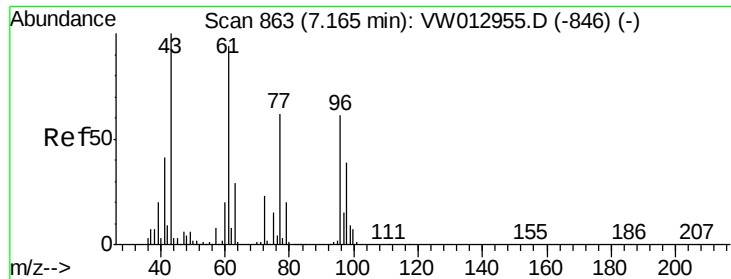
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.916 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

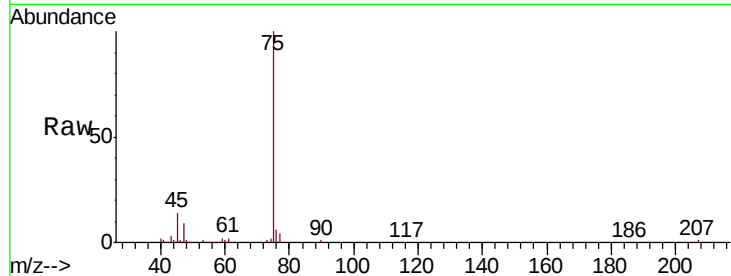
SB-49-12.5-13.0

Tgt Ion: 43 Resp: 2300

Ion Ratio Lower Upper

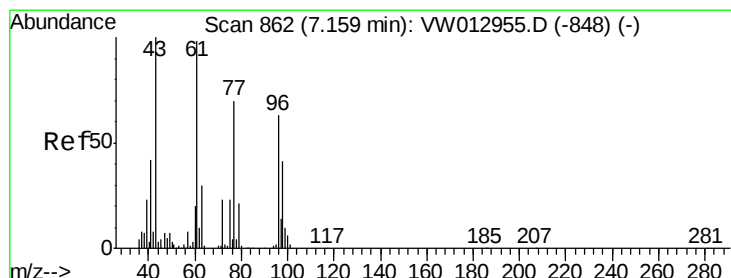
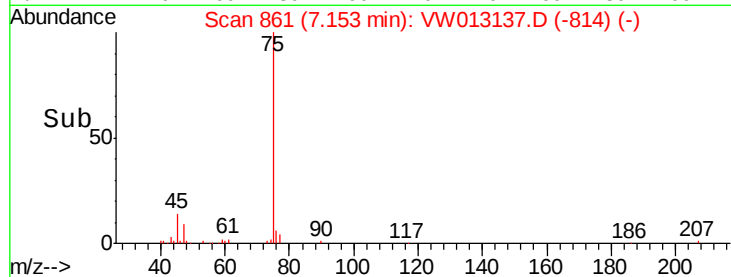
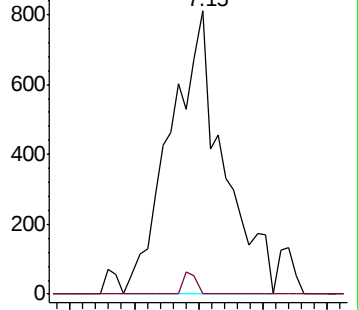
43 100

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: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013137.D

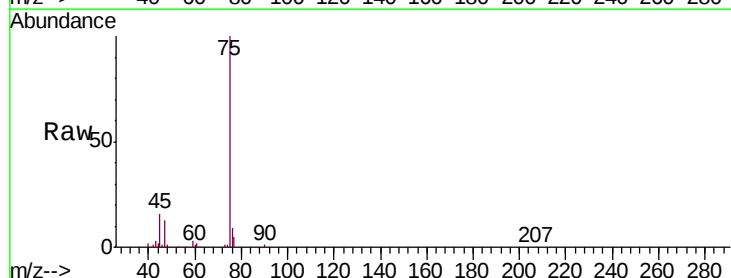
Acq: 19 Sep 2019 03:15

Tgt Ion: 77 Resp: 3219

Ion Ratio Lower Upper

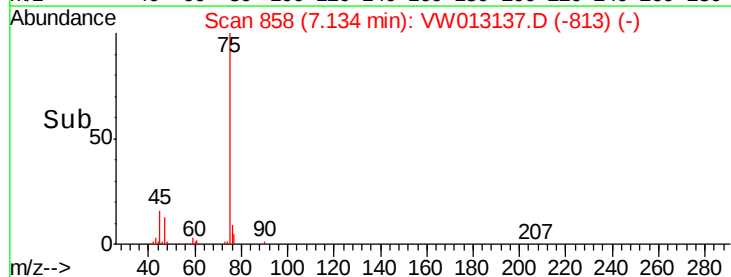
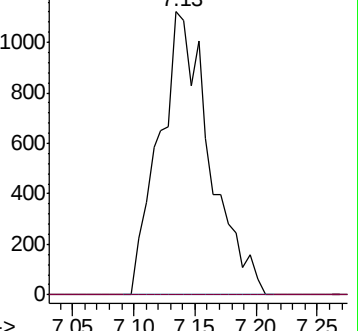
77 100

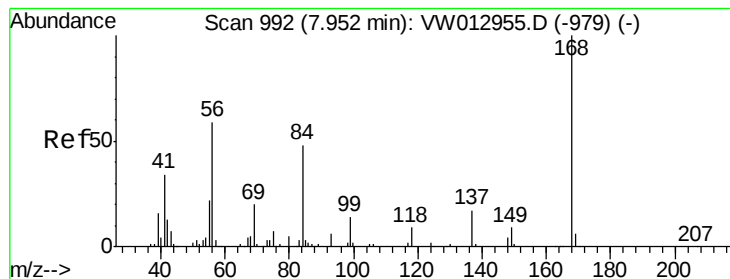
97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

SB-49-12.5-13.0

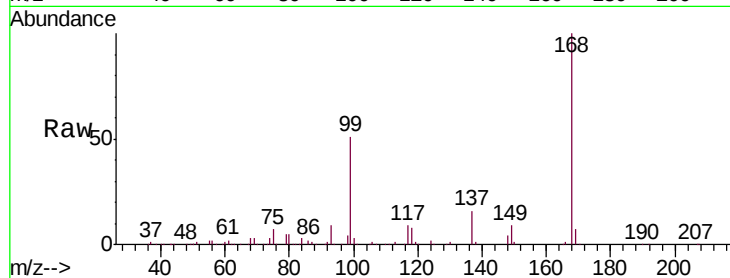
Tgt Ion: 56 Resp: 7125

Ion Ratio Lower Upper

56 100

69 174.2 27.0 40.6#

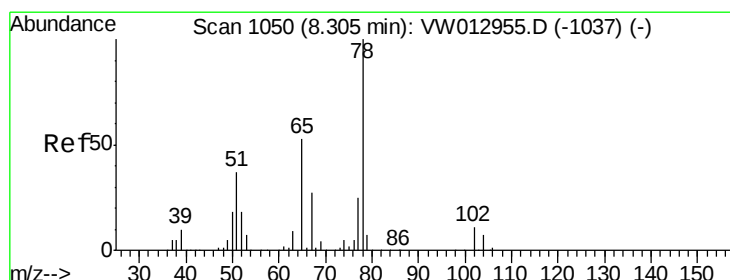
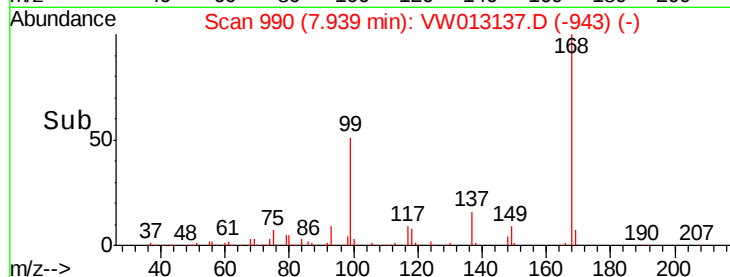
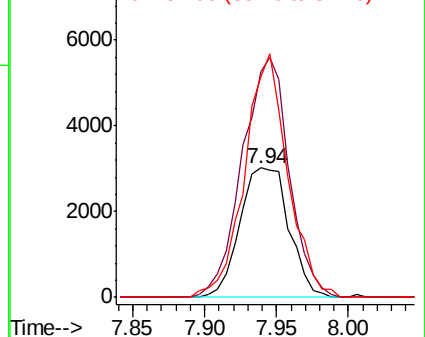
84 170.0 66.2 99.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 42.881 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013137.D

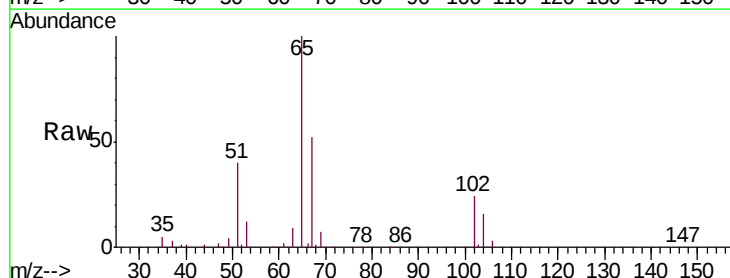
Acq: 19 Sep 2019 03:15

Tgt Ion: 65 Resp: 161881

Ion Ratio Lower Upper

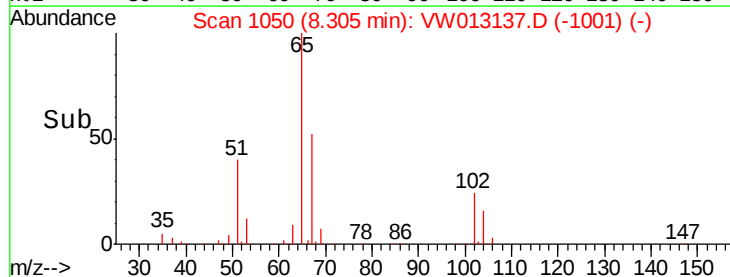
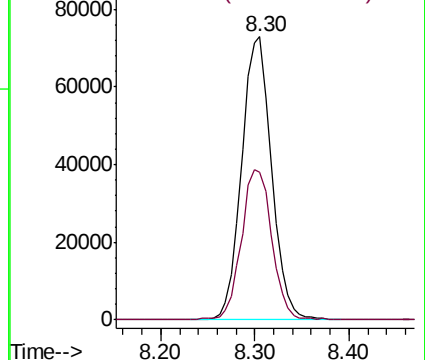
65 100

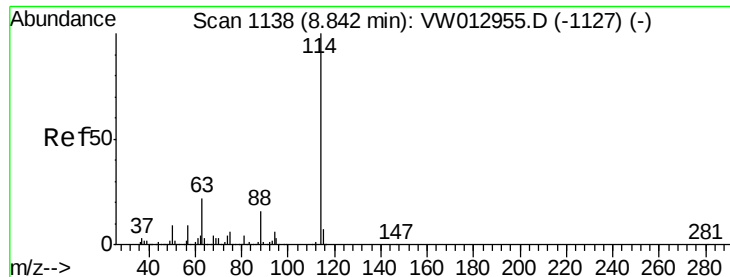
67 54.2 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

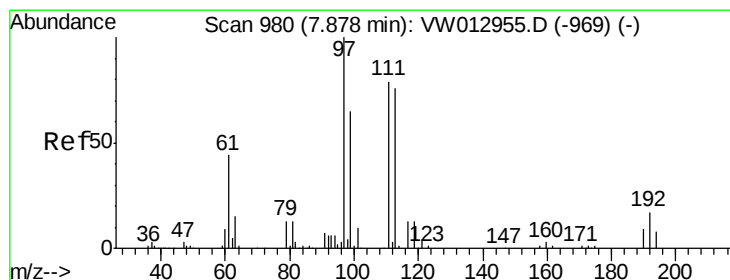
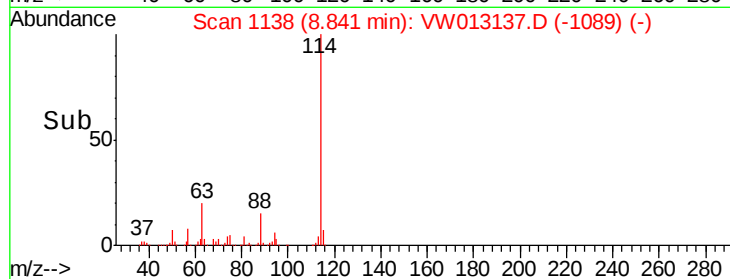
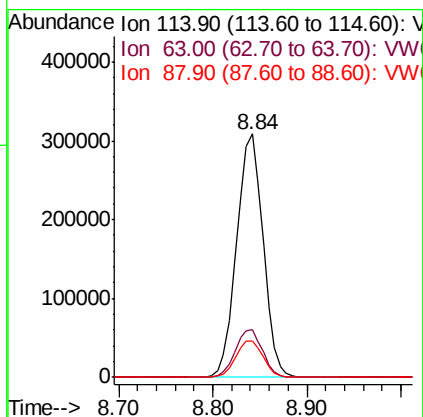
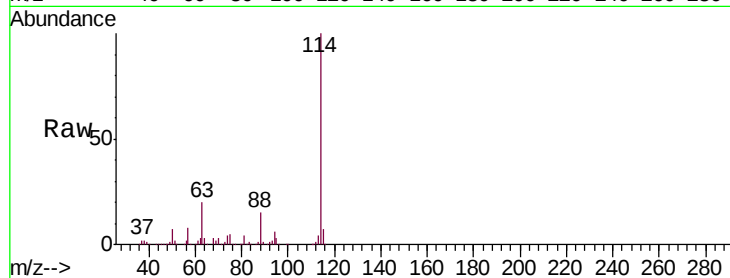




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

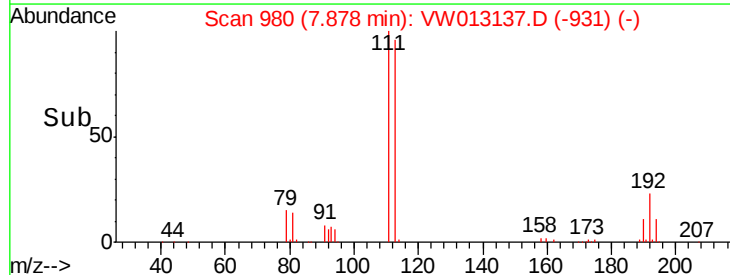
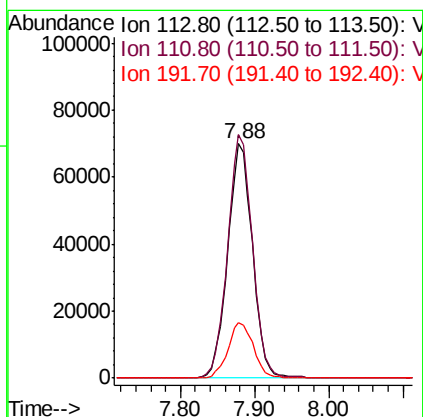
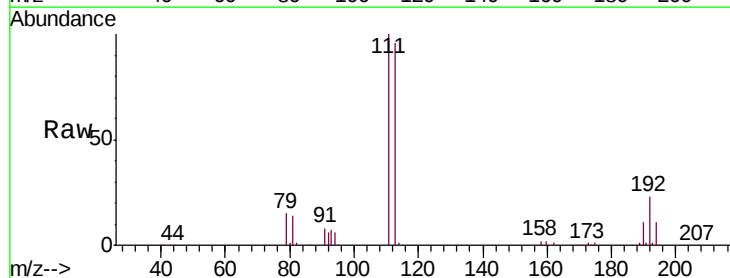
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-49-12.5-13.0

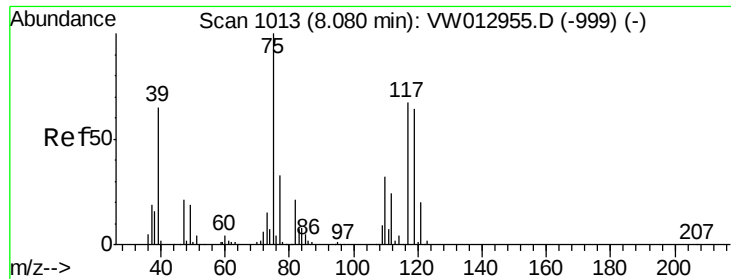
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.4
88	14.7	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.535 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.8	124.2
192	24.2	17.8	26.8

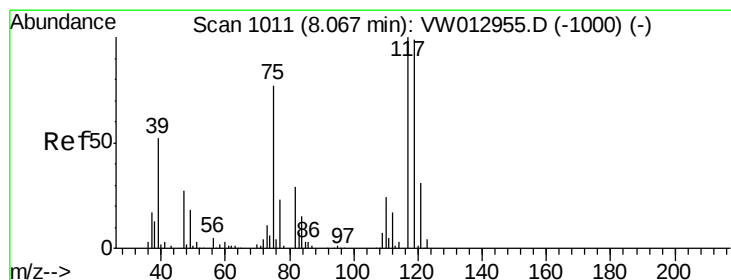
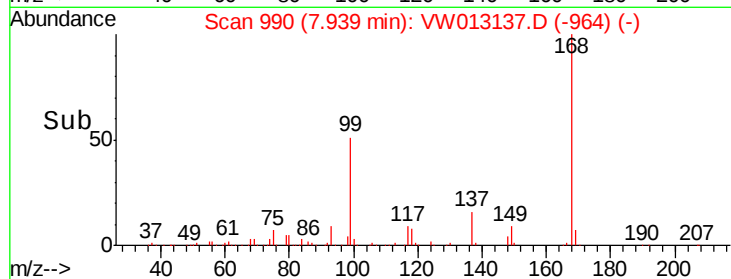
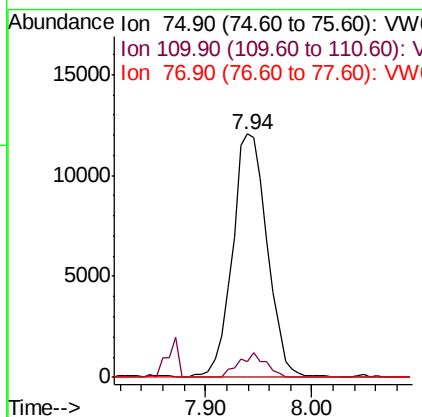
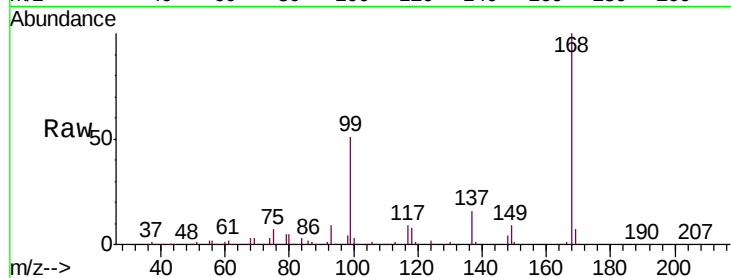




#36
 1,1-Dichloropropene
 Concen: 5.692 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

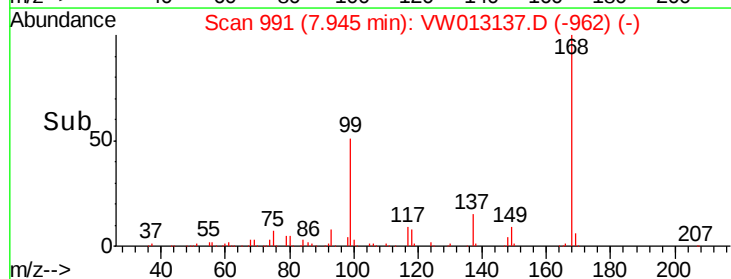
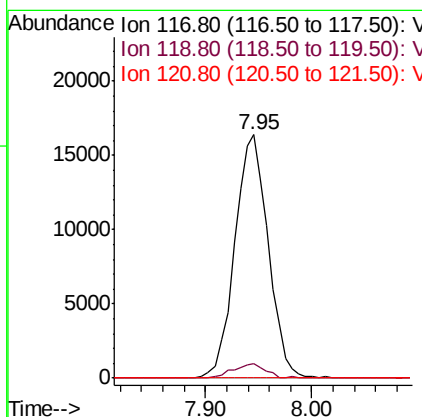
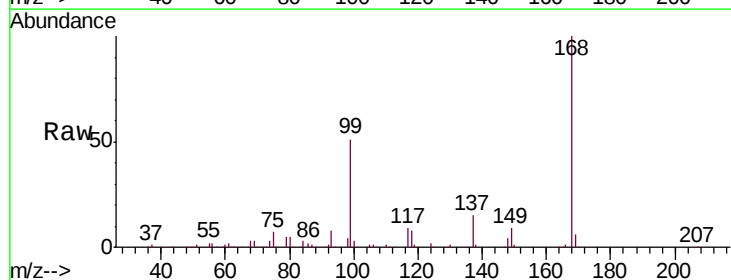
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-49-12.5-13.0

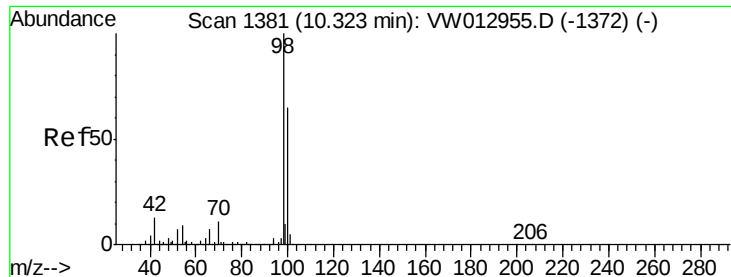
Tgt Ion: 75 Resp: 27598
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.227 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

Tgt Ion: 117 Resp: 35905
 Ion Ratio Lower Upper
 117 100
 119 6.1 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 53.904 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

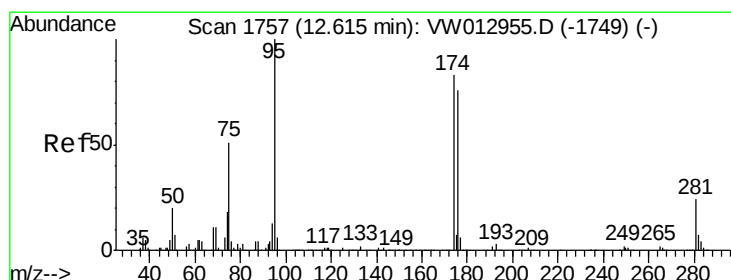
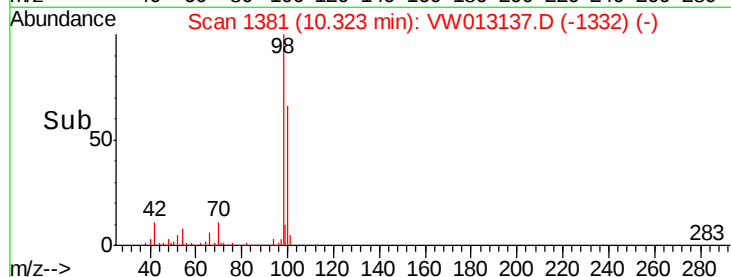
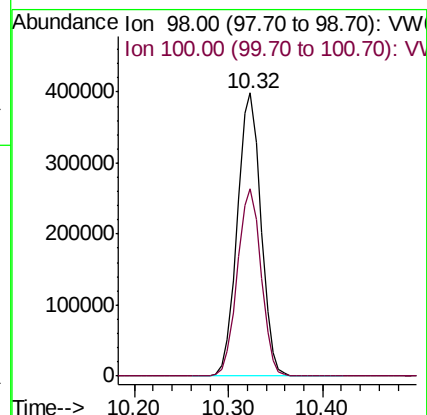
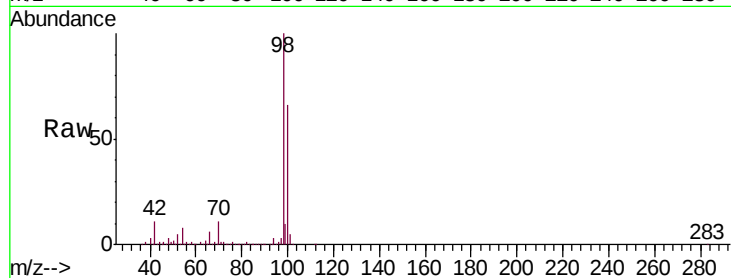
SB-49-12.5-13.0

Tgt Ion: 98 Resp: 694405

Ion Ratio Lower Upper

98 100

100 66.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.967 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

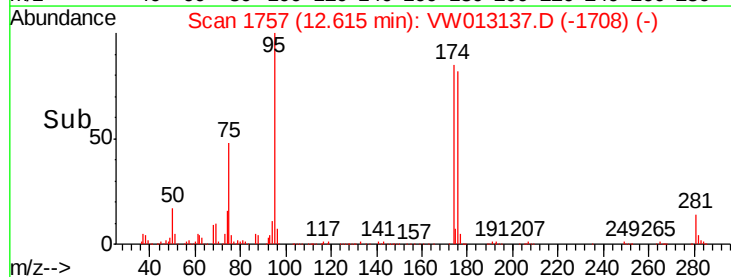
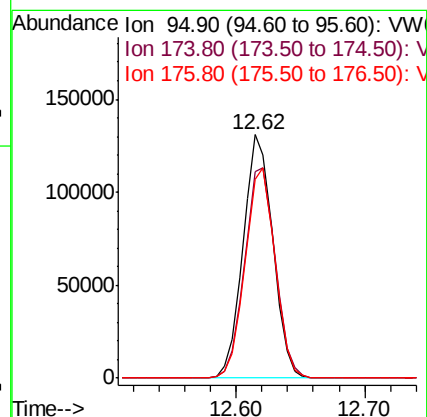
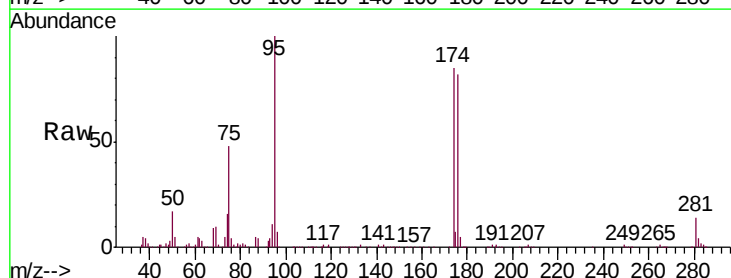
Tgt Ion: 95 Resp: 208293

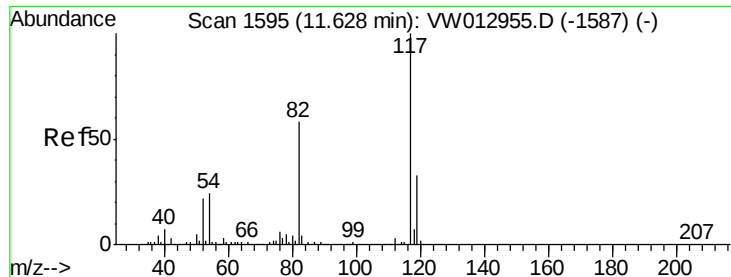
Ion Ratio Lower Upper

95 100

174 89.3 0.0 170.4

176 87.0 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: VW013137.D

Acq: 19 Sep 2019 03:15

Instrument :

MSVOA_W

ClientSampleId :

SB-49-12.5-13.0

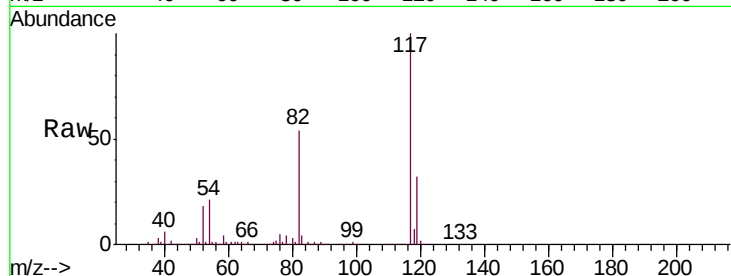
Tgt Ion:117 Resp: 494331

Ion Ratio Lower Upper

117 100

82 54.5 46.3 69.5

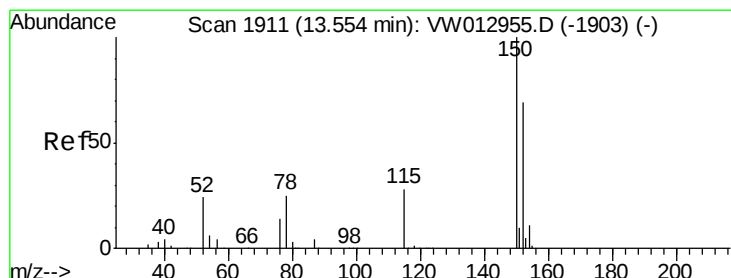
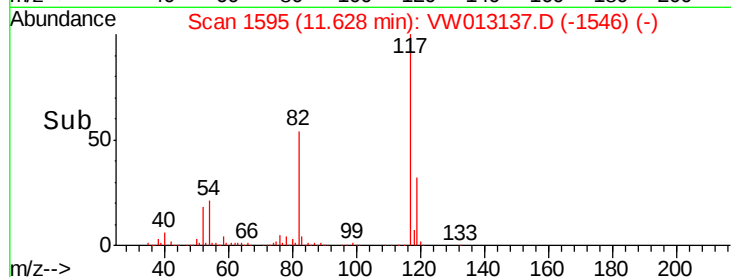
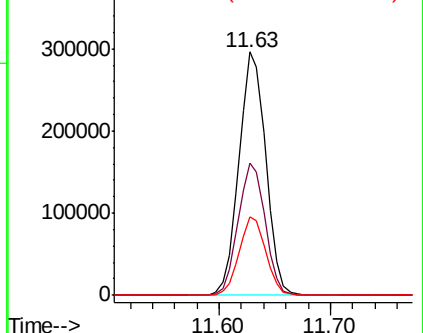
119 32.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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. 0.01 min

Lab File: VW013137.D

Acq: 19 Sep 2019 03:15

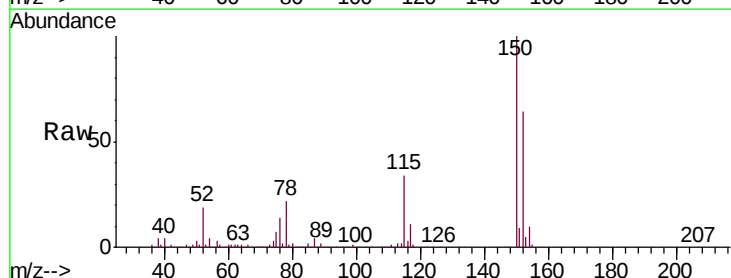
Tgt Ion:152 Resp: 206581

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.4

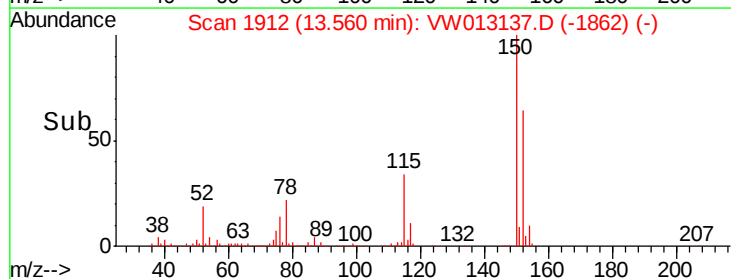
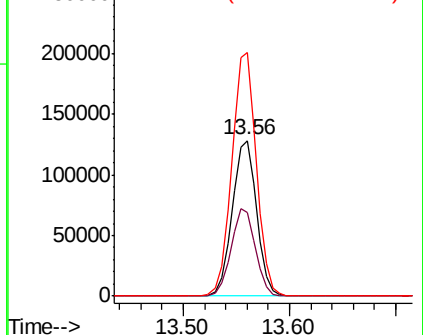
150 156.5 0.0 340.2

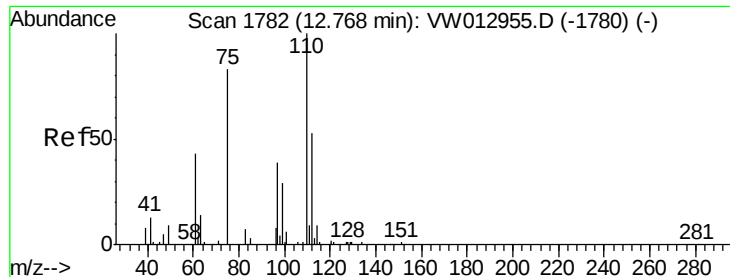


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

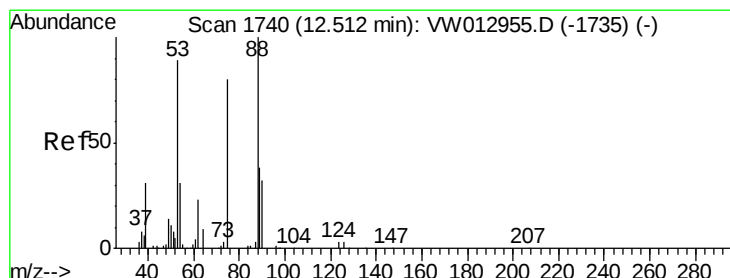
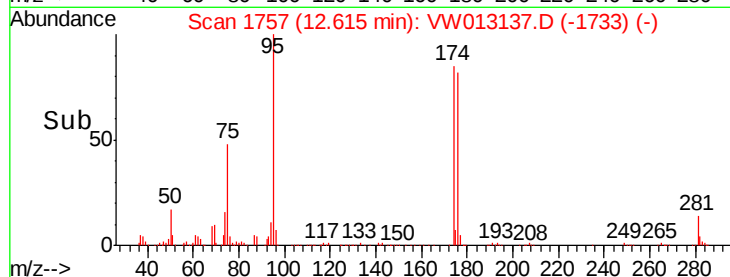
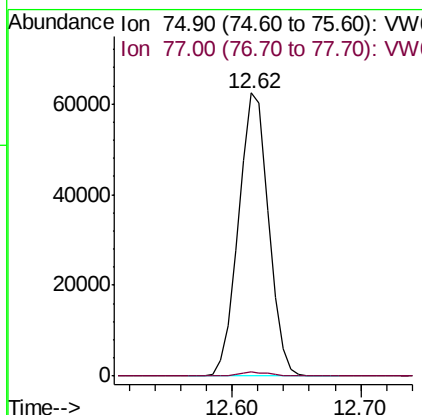
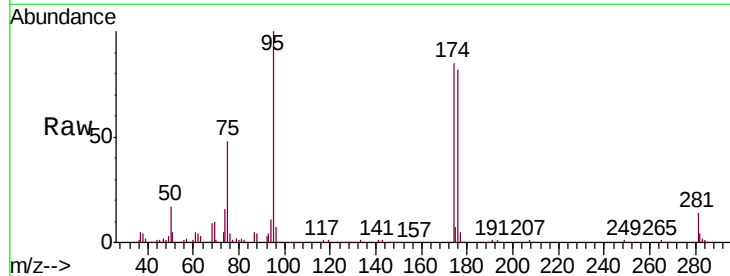




#76
 1,2,3-Trichloropropane
 Concen: 55.801 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-49-12.5-13.0

Tgt Ion: 75 Resp: 100971
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.583 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013137.D
 Acq: 19 Sep 2019 03:15

Tgt Ion: 75 Resp: 100971
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.2 37.2 55.8#

