

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013061.D
 Acq On : 17 Sep 2019 01:29
 Operator : SY/VA
 Sample : K4884-01
 Misc : 5.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 6INCH-PIT

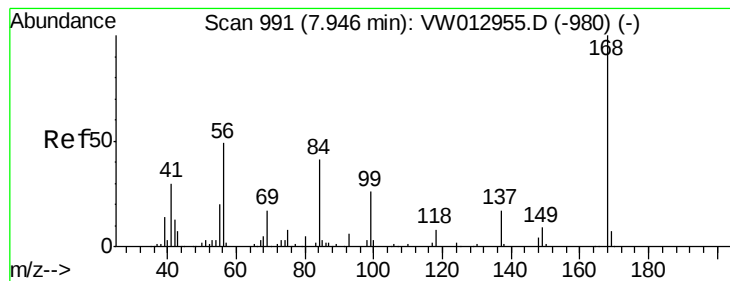
Quant Time: Sep 17 07:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	349445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	541310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	478223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	206607	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	177785	55.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.18%	
35) Dibromofluoromethane	7.88	113	152488	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	10.32	98	658255	57.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.54%	
62) 4-Bromofluorobenzene	12.62	95	219312	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	639	Below Cal	#	74
11) Tert butyl alcohol	5.19	59	173	Below Cal	#	50
13) Acrolein	3.92	56	20	Below Cal	#	63
16) Acetone	4.15	43	1046	Below Cal	#	77
20) Methylene Chloride	4.91	84	13279	Below Cal		98
26) 2,2-Dichloropropane	7.14	77	551	Below Cal	#	55
31) Cyclohexane	7.94	56	6939	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	25031	5.787	ug/l #	51
38) Carbon Tetrachloride	7.94	117	32356	7.299	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	3491	1.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	107784	59.559	ug/l #	100
77) Bromobenzene	12.87	156	12282	3.893	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	107784	135.107	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

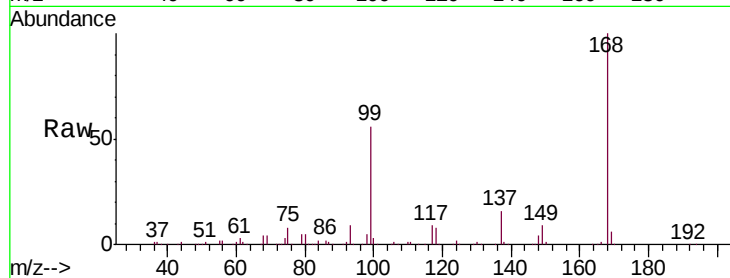
6INCH-PIT

Tgt Ion:168 Resp: 349445

Ion Ratio Lower Upper

168 100

99 55.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

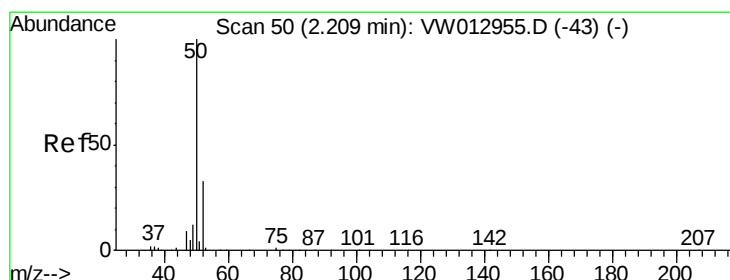
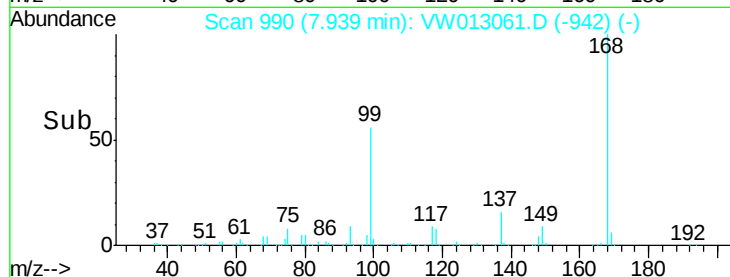
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013061.D

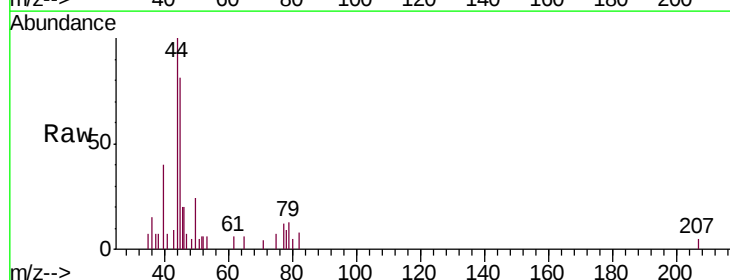
Acq: 17 Sep 2019 01:29

Tgt Ion: 50 Resp: 639

Ion Ratio Lower Upper

50 100

52 47.7 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

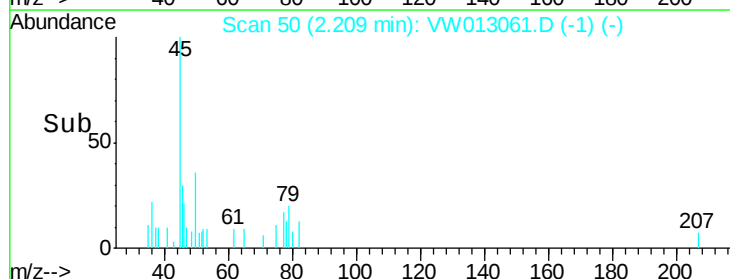
300

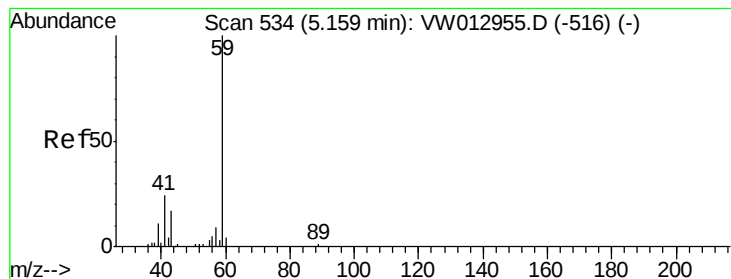
200

100

0

Time--> 2.15 2.20 2.25





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampled :

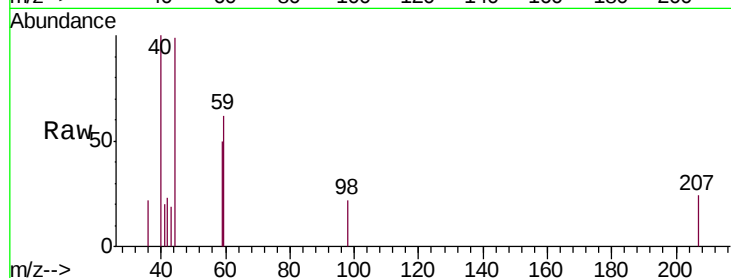
6INCH-PIT

Tgt Ion: 59 Resp: 173

Ion Ratio Lower Upper

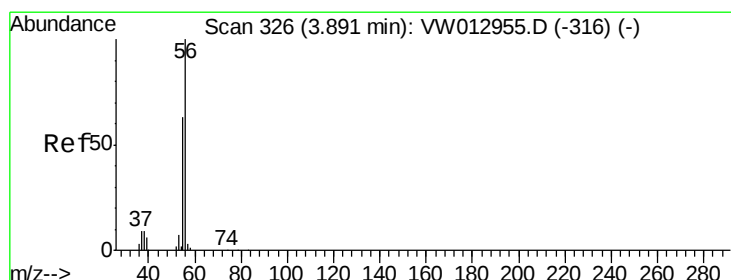
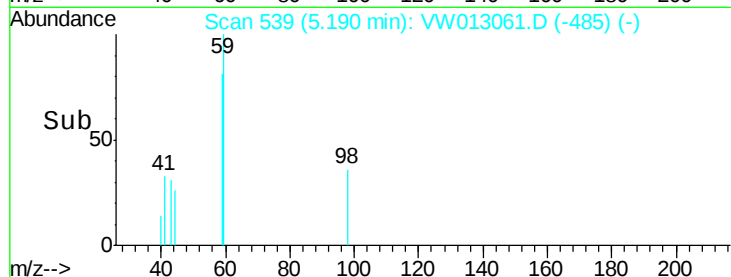
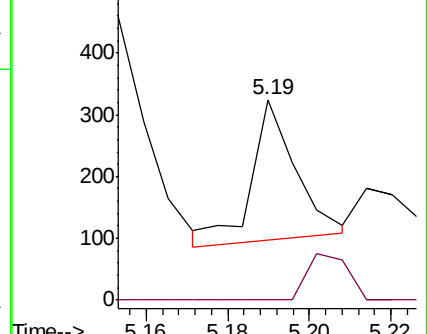
59 100

57 29.5 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: 3.92 min Scan# 331

Delta R.T. 0.03 min

Lab File: VW013061.D

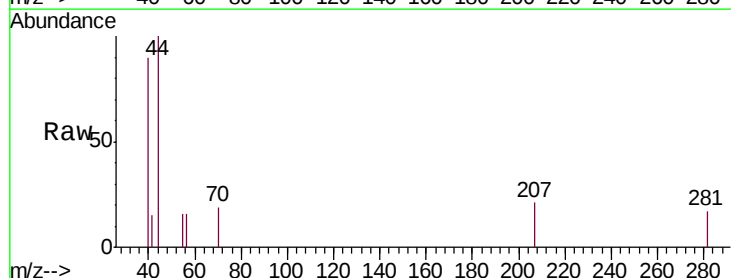
Acq: 17 Sep 2019 01:29

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

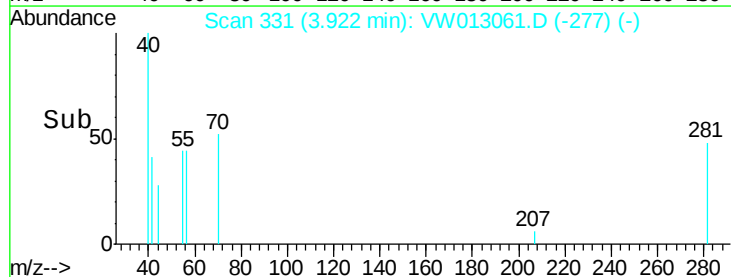
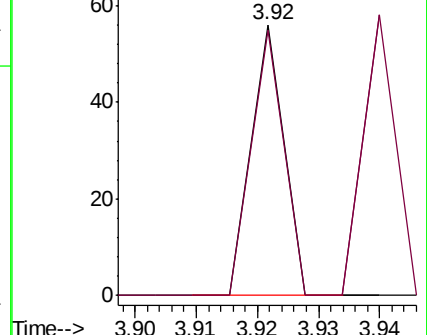
56 100

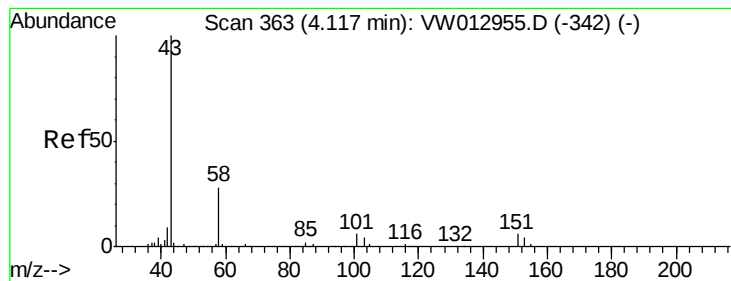
55 100.0 55.8 83.8#



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: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

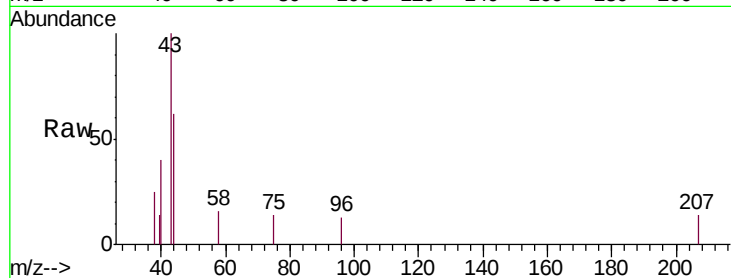
6INCH-PIT

Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

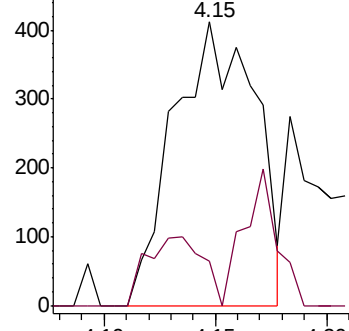
43 100

58 15.8 22.3 33.5#

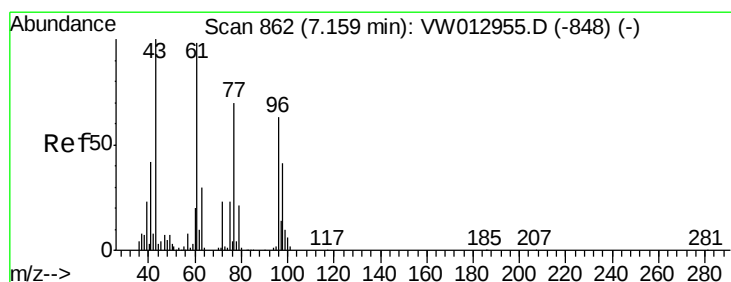
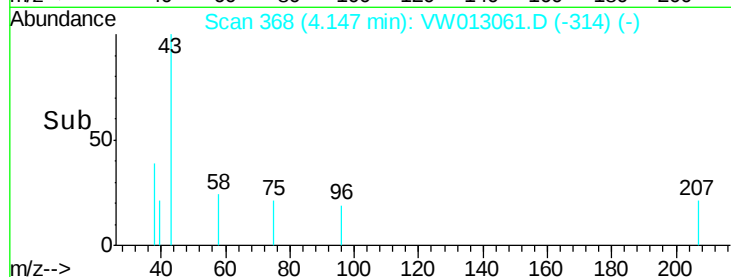


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013061.D

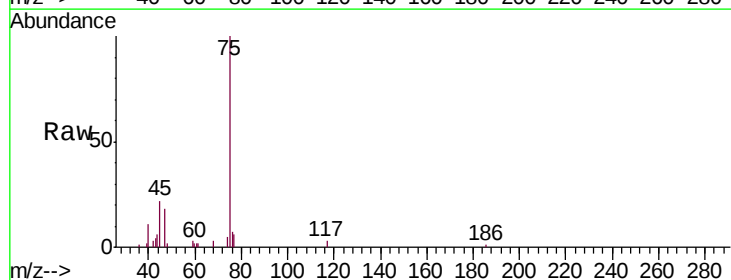
Acq: 17 Sep 2019 01:29

Tgt Ion: 77 Resp: 551

Ion Ratio Lower Upper

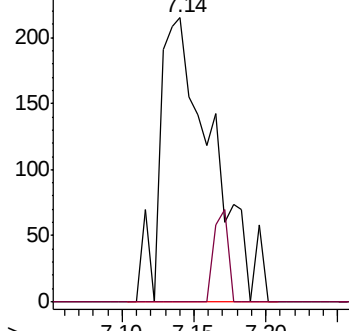
77 100

97 0.0 10.7 32.1#

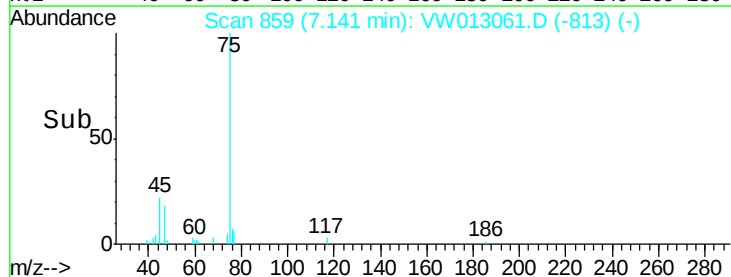


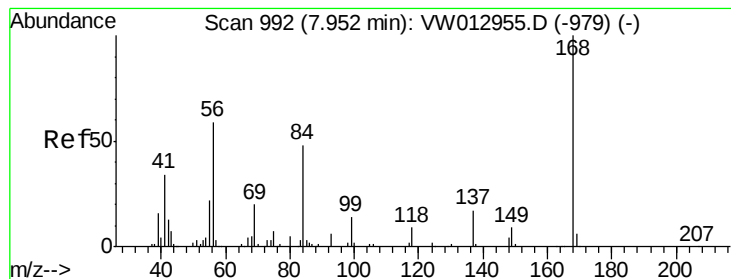
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

6INCH-PIT

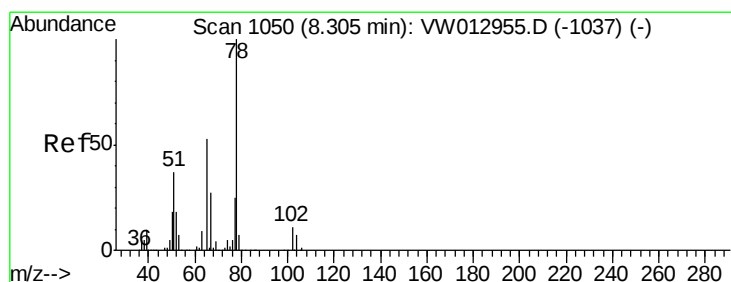
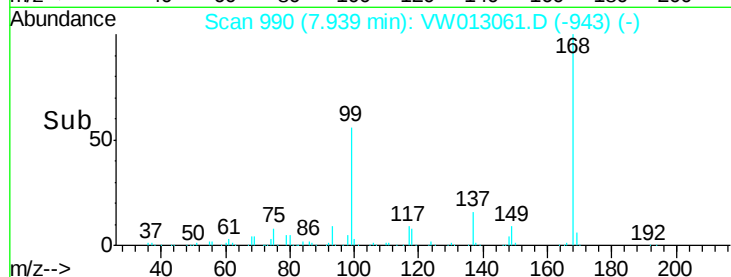
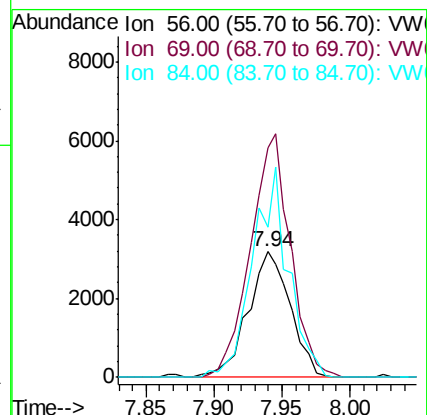
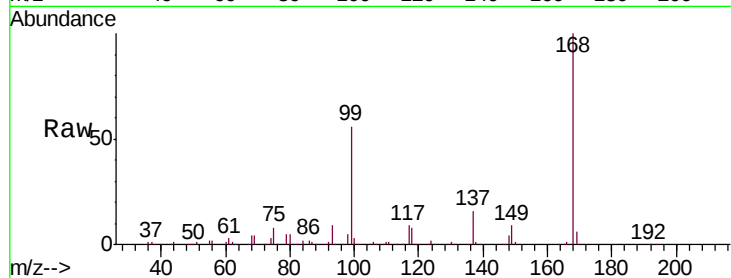
Tgt Ion: 56 Resp: 6939

Ion Ratio Lower Upper

56 100

69 183.2 27.0 40.6#

84 120.0 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 55.087 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013061.D

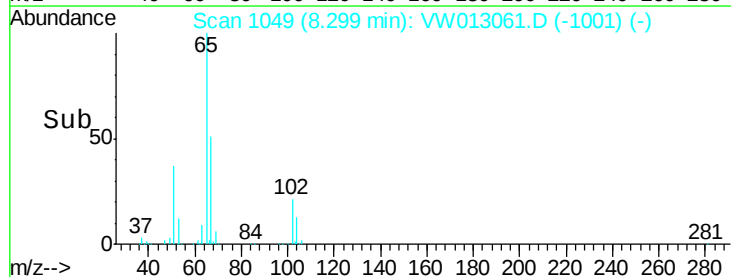
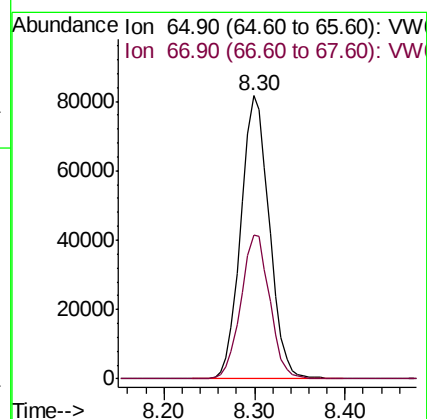
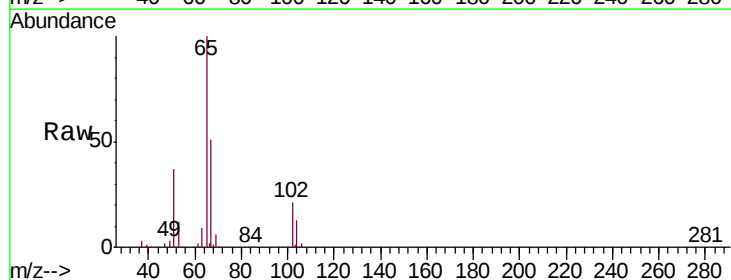
Acq: 17 Sep 2019 01:29

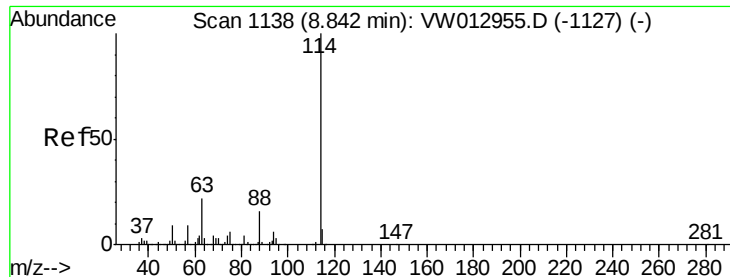
Tgt Ion: 65 Resp: 177785

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: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

6INCH-PIT

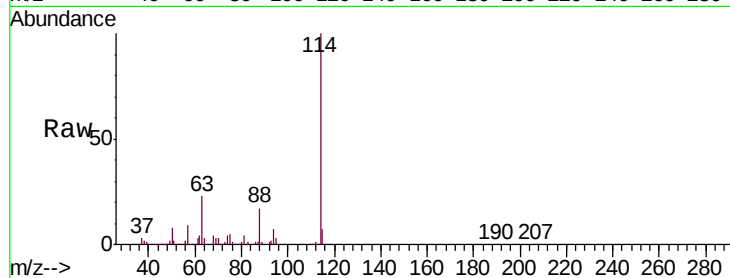
Tgt Ion:114 Resp: 541310

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

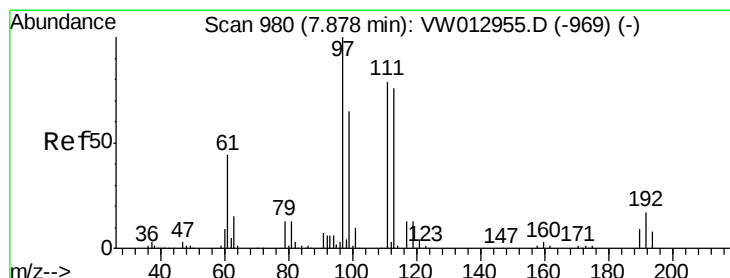
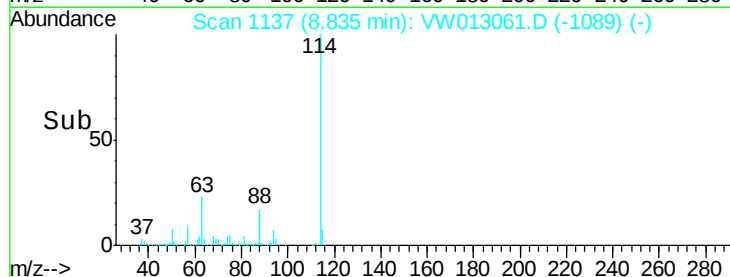
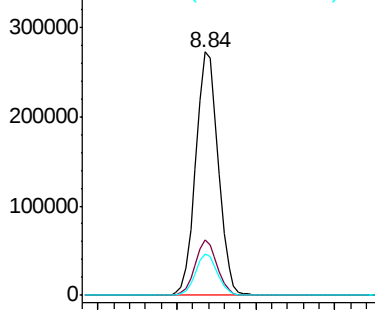
88 16.8 0.0 31.6



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: 51.916 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

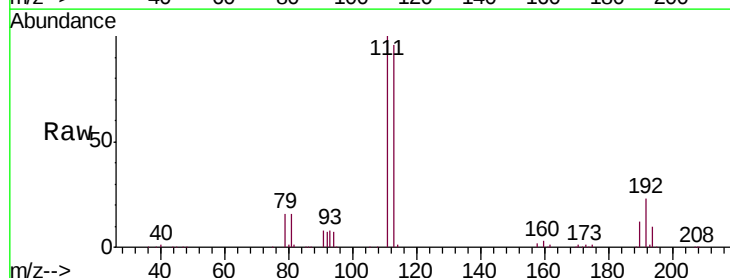
Tgt Ion:113 Resp: 152488

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

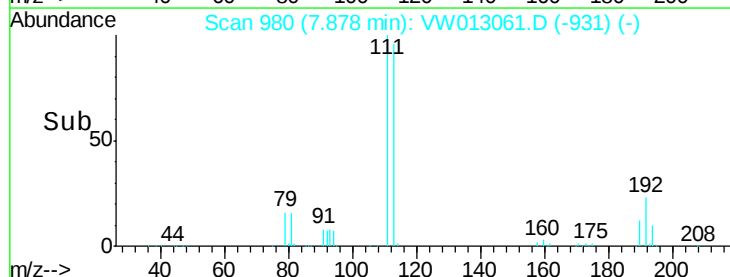
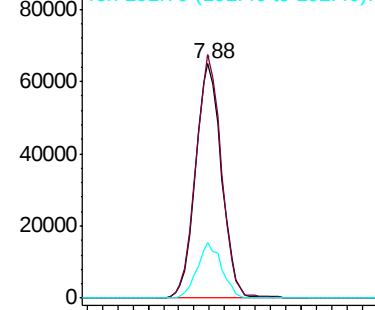
192 22.3 17.8 26.8

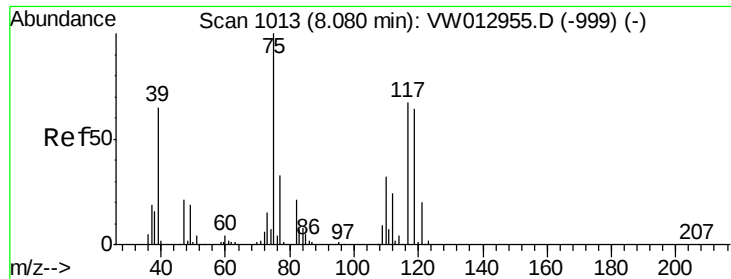


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

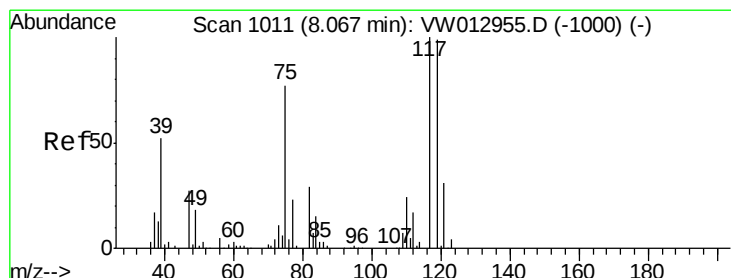
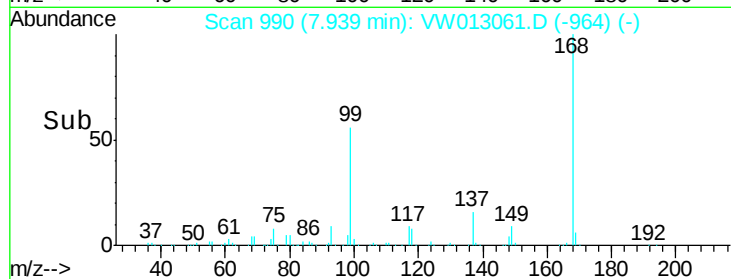
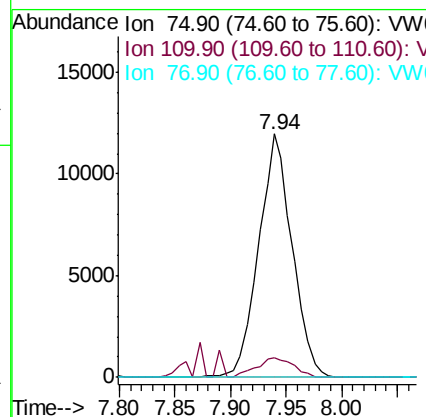
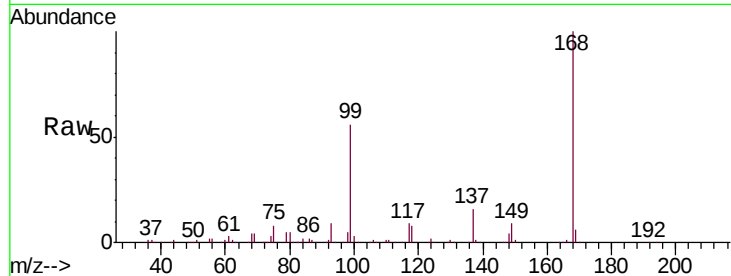




#36
 1,1-Dichloropropene
 Concen: 5.787 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013061.D
 Acq: 17 Sep 2019 01:29

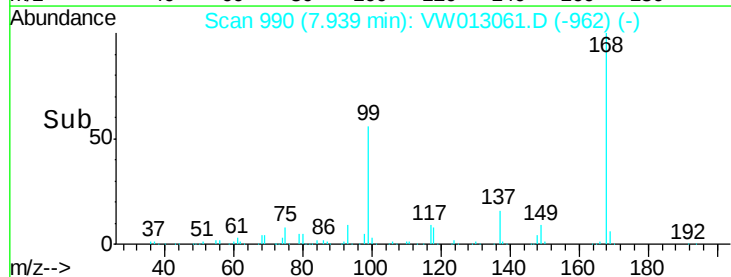
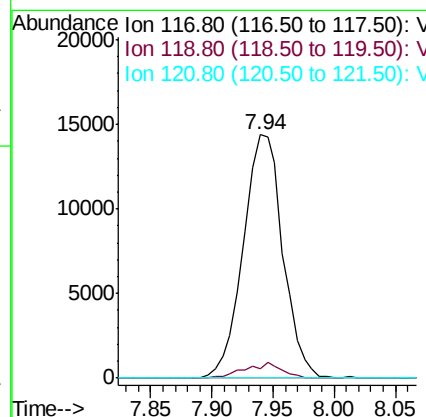
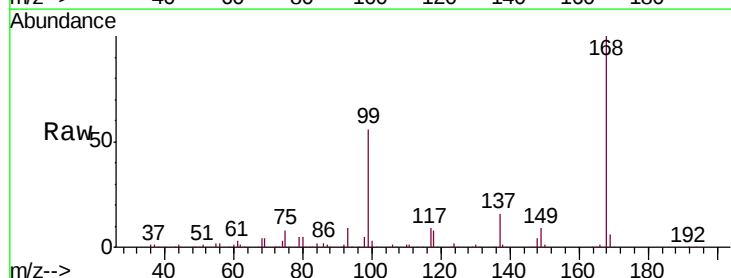
Instrument :
 MSVOA_W
 ClientSampleId :
 6INCH-PIT

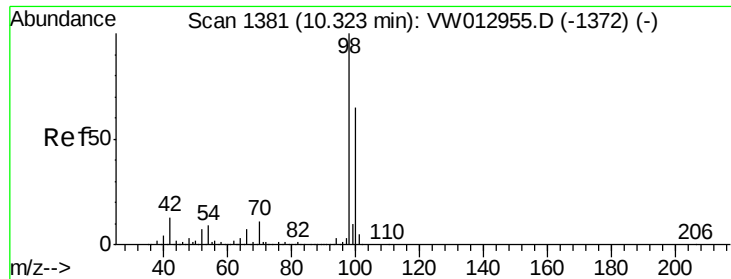
Tgt Ion: 75 Resp: 25031
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.299 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW013061.D
 Acq: 17 Sep 2019 01:29

Tgt Ion: 117 Resp: 32356
 Ion Ratio Lower Upper
 117 100
 119 4.0 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 57.271 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

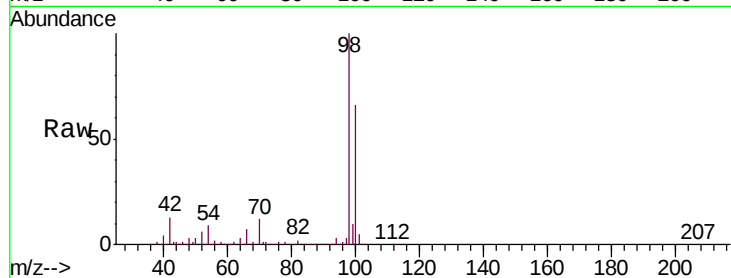
6INCH-PIT

Tgt Ion: 98 Resp: 658255

Ion Ratio Lower Upper

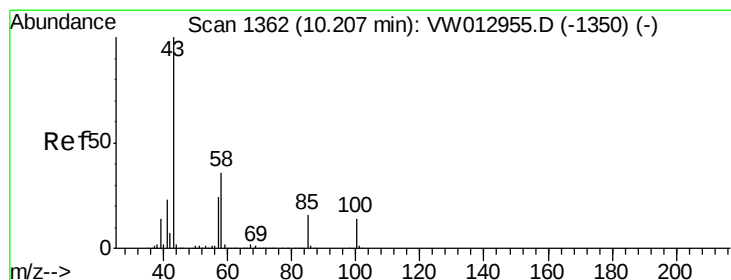
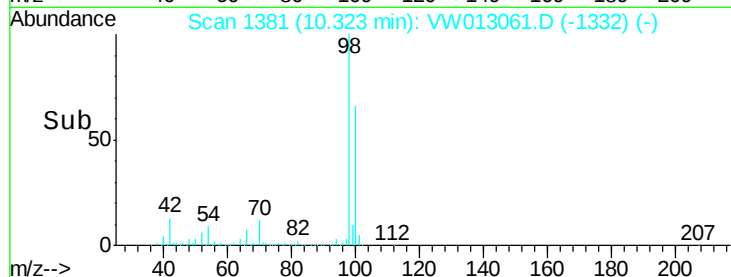
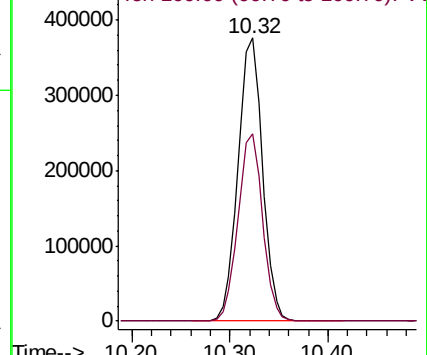
98 100

100 66.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.534 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013061.D

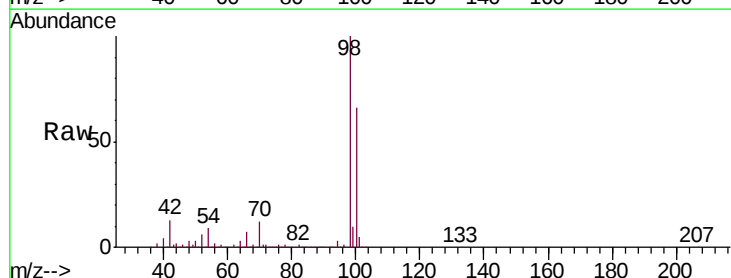
Acq: 17 Sep 2019 01:29

Tgt Ion: 43 Resp: 3491

Ion Ratio Lower Upper

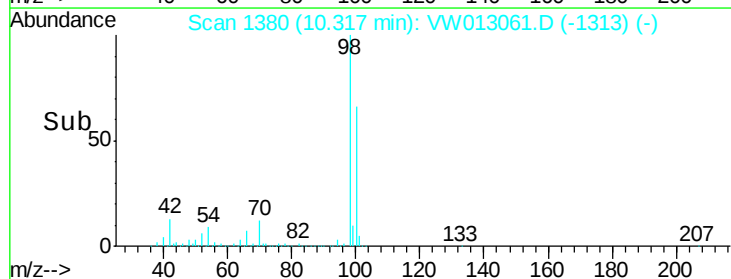
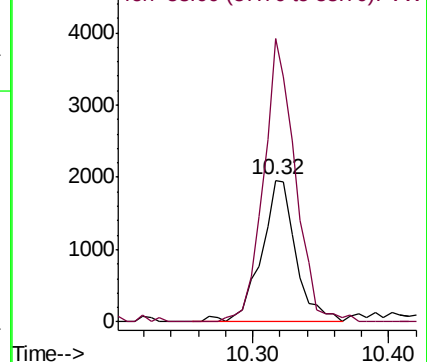
43 100

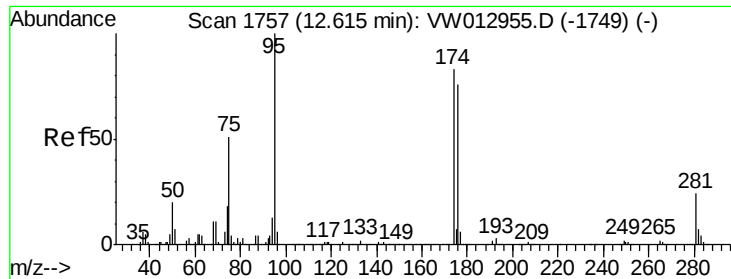
58 183.6 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

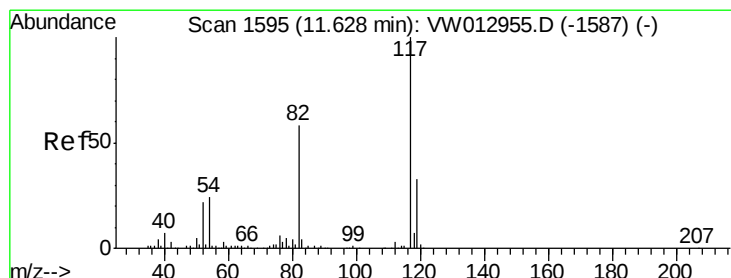
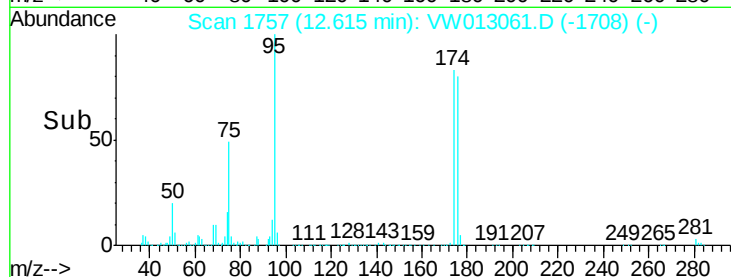
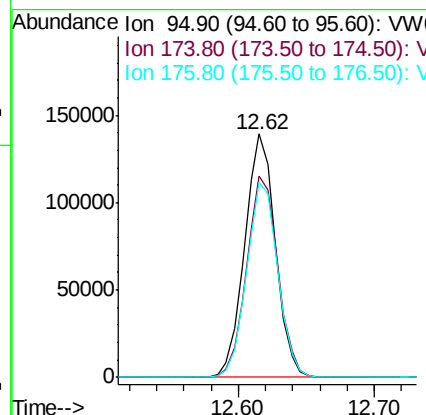
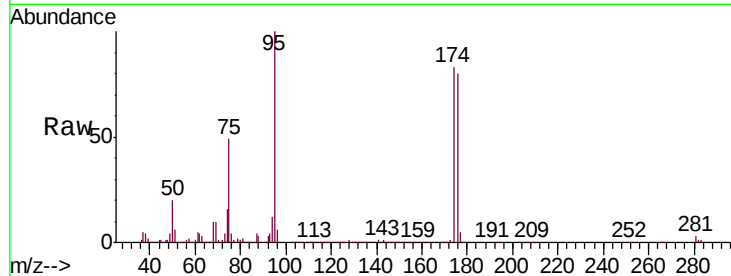




#62
4-Bromofluorobenzene
Concen: 53.065 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013061.D
Acq: 17 Sep 2019 01:29

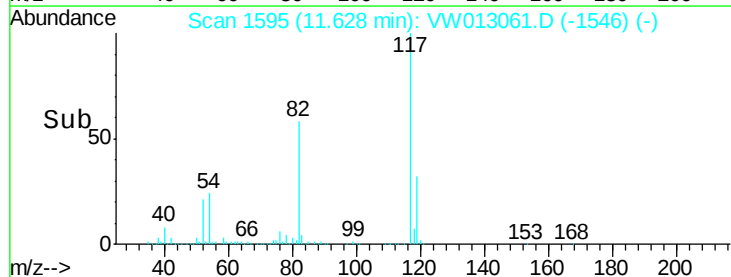
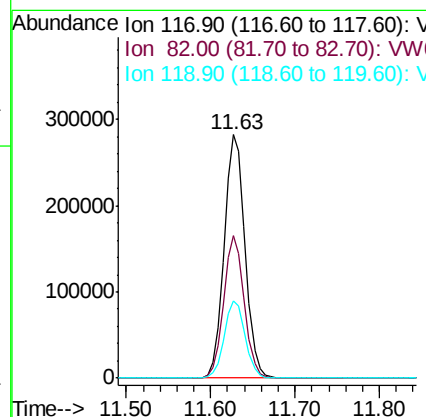
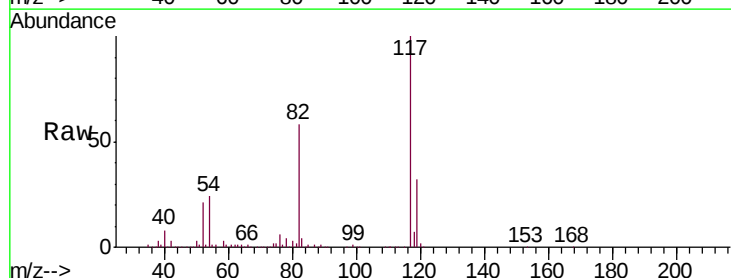
Instrument :
MSVOA_W
ClientSampleId :
6INCH-PIT

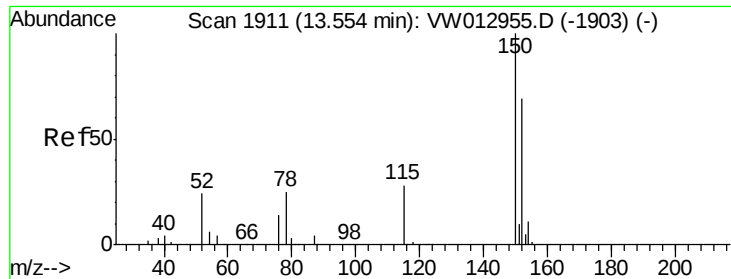
Tgt Ion: 95 Resp: 219312
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.4
176 81.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013061.D
Acq: 17 Sep 2019 01:29

Tgt Ion: 117 Resp: 478223
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.8 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: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

6INCH-PIT

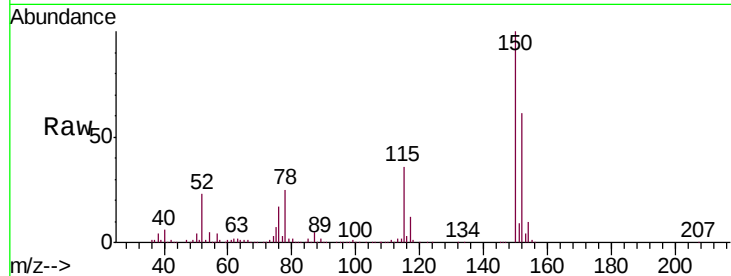
Tgt Ion: 152 Resp: 206607

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.4

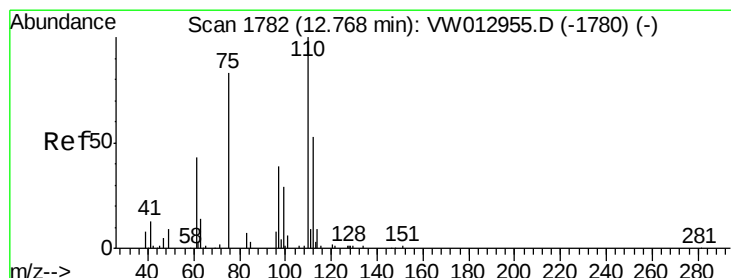
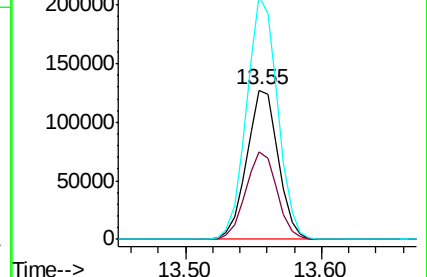
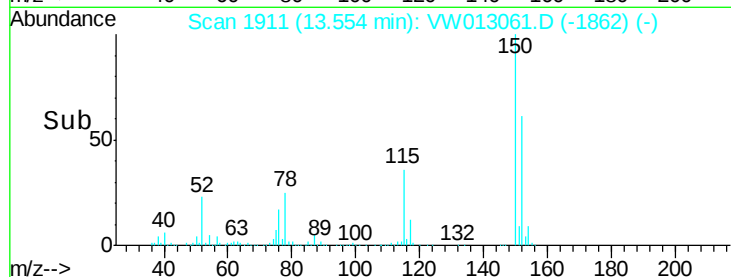
150 159.9 0.0 340.2



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: 59.559 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013061.D

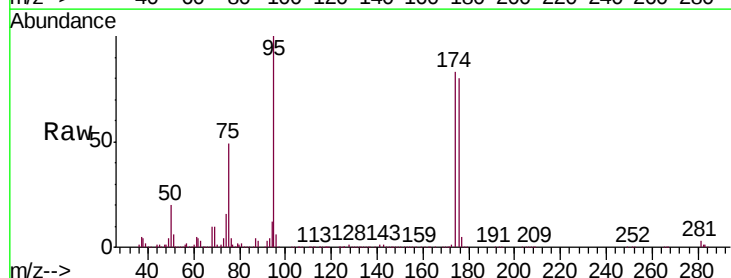
Acq: 17 Sep 2019 01:29

Tgt Ion: 75 Resp: 107784

Ion Ratio Lower Upper

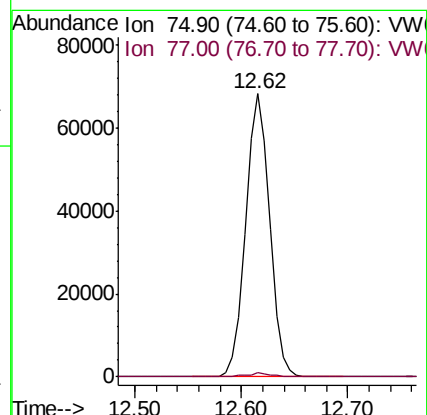
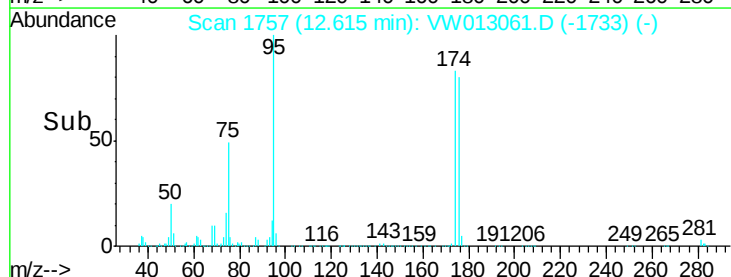
75 100

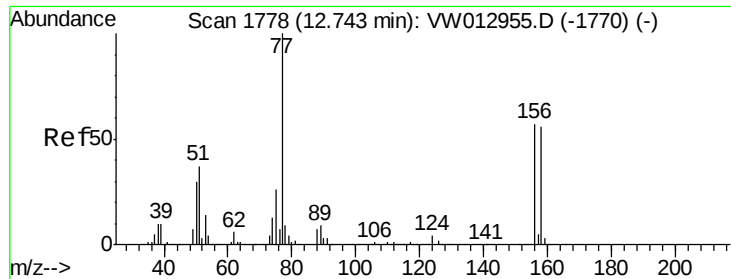
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.893 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

Instrument :

MSVOA_W

ClientSampleId :

6INCH-PIT

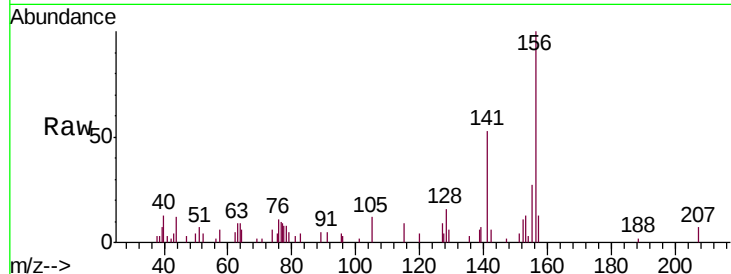
Tgt Ion:156 Resp: 12282

Ion Ratio Lower Upper

156 100

77 8.8 95.2 285.6#

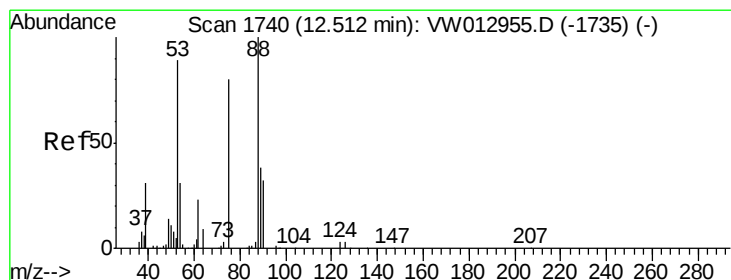
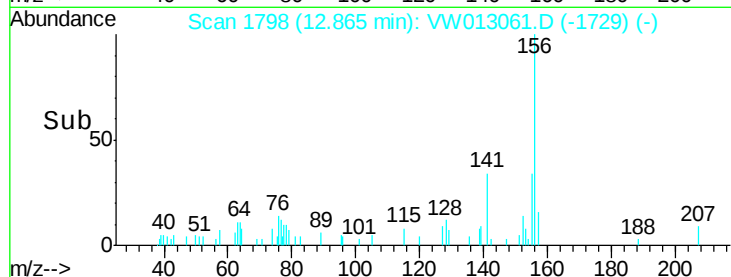
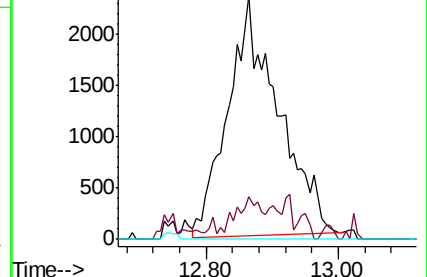
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 135.107 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013061.D

Acq: 17 Sep 2019 01:29

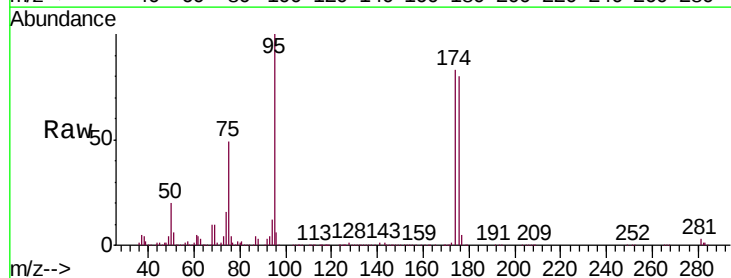
Tgt Ion: 75 Resp: 107784

Ion Ratio Lower Upper

75 100

53 0.1 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

