

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005440.D
 Acq On : 17 Sep 2018 18:01
 Operator : SY/AP
 Sample : J4929-05
 Misc : 6.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-12

Quant Time: Sep 18 01:04:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	238382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	371572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	112628	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
35) Dibromofluoromethane	7.90	113	91812	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
50) Toluene-d8	10.33	98	397504	41.66	ug/l	0.00
Spiked Amount			Recovery	=	83.32%	
62) 4-Bromofluorobenzene	12.62	95	143692	41.07	ug/l	0.00
Spiked Amount			Recovery	=	82.14%	

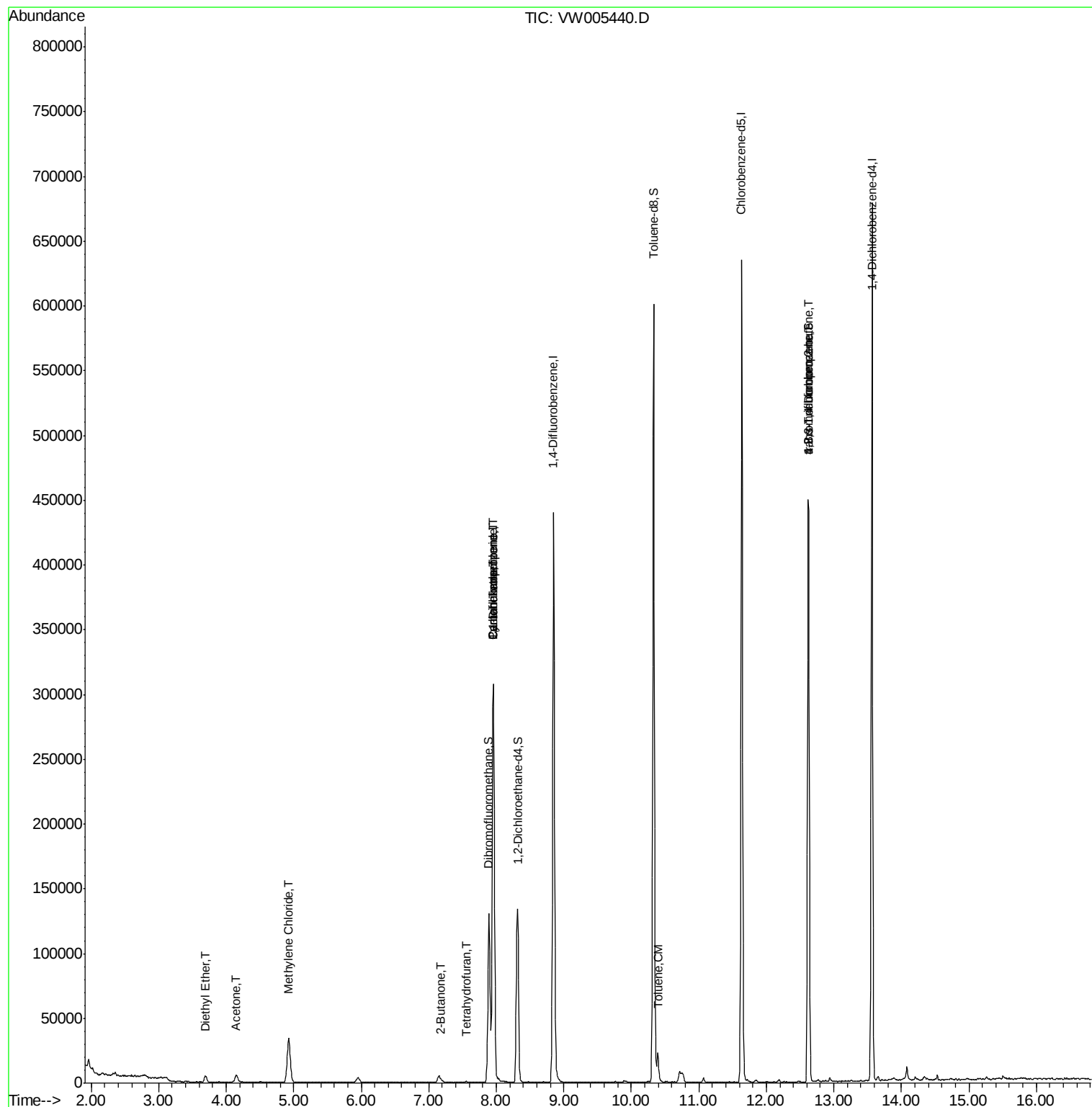
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	306	Below Cal		91
5) Bromomethane	2.79	94	336	Below Cal		95
8) Diethyl Ether	3.69	74	2700	2.602	ug/l	96
11) Tert butyl alcohol	5.23	59	169	Below Cal	#	71
13) Acrolein	4.06	56	20	Below Cal	#	12
16) Acetone	4.15	43	10563	12.573	ug/l	97
20) Methylene Chloride	4.92	84	25543	5.270	ug/l	95
25) 2-Butanone	7.18	43	2333	3.919	ug/l	# 88
29) Tetrahydrofuran	7.56	42	463	1.221	ug/l	# 86
31) Cyclohexane	7.95	56	5423	1.373	ug/l	# 19
36) 1,1-Dichloropropene	7.95	75	18161	5.164	ug/l	# 50
38) Carbon Tetrachloride	7.96	117	22916	6.254	ug/l	# 16
52) Toluene	10.40	92	8133	1.179	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	74270	51.612	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	74270	133.885	ug/l	# 8

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
Data File : VW005440.D
Acq On : 17 Sep 2018 18:01
Operator : SY/AP
Sample : J4929-05
Misc : 6.59G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-12

Quant Time: Sep 18 01:04:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

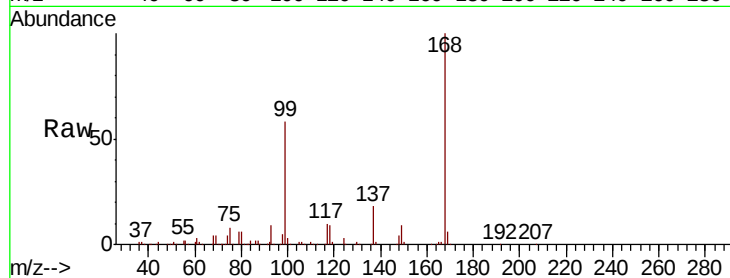
SP-PIT-12

Tgt Ion:168 Resp: 238382

Ion Ratio Lower Upper

168 100

99 58.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

120000

100000

80000

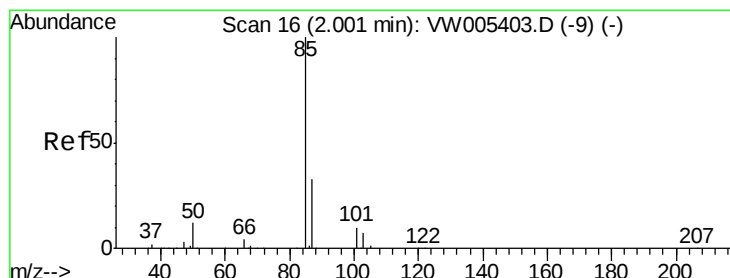
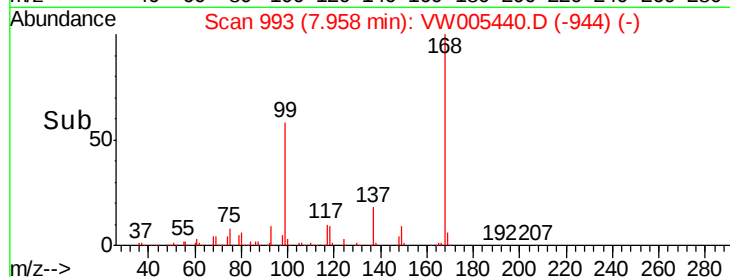
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005440.D

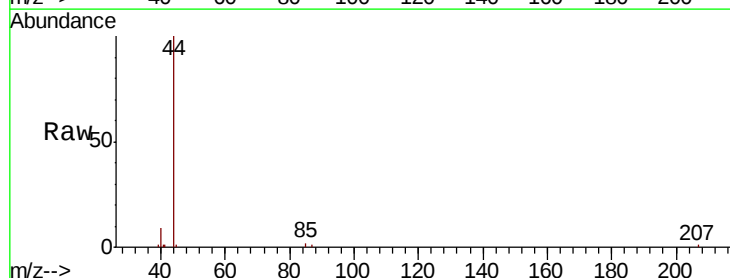
Acq: 17 Sep 2018 18:01

Tgt Ion: 85 Resp: 306

Ion Ratio Lower Upper

85 100

87 27.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

250

200

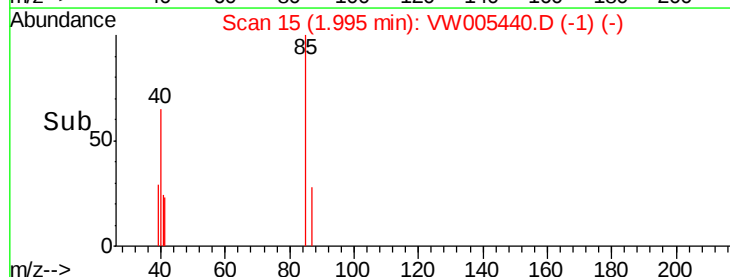
150

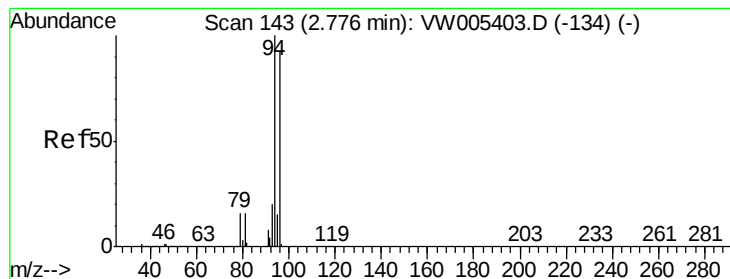
100

50

0

Time--> 1.96 1.98 2.00 2.02 2.04





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

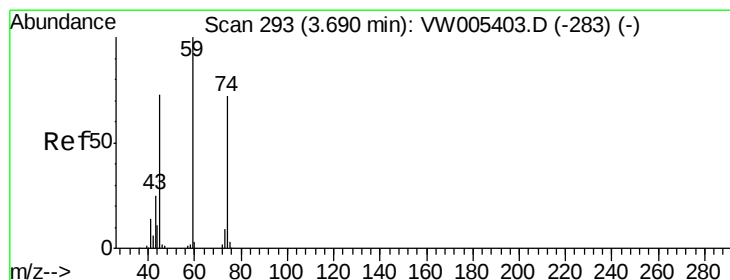
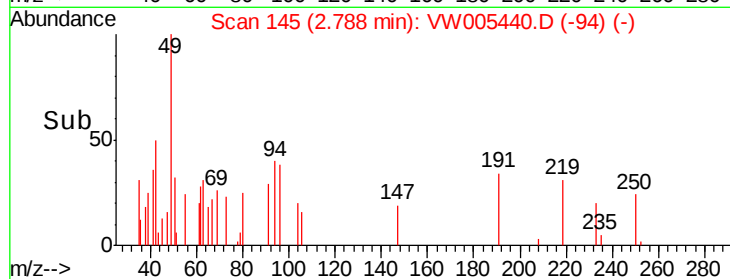
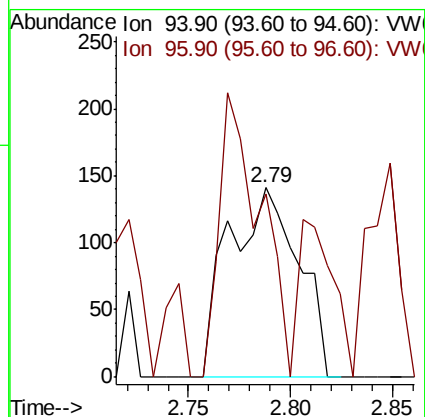
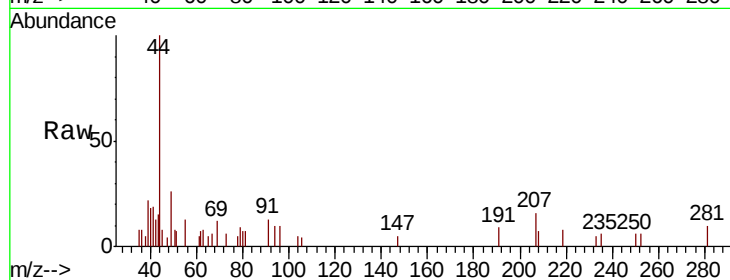
SP-PIT-12

Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

94 100

96 96.5 73.7 110.5



#8

Diethyl Ether

Concen: 2.602 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005440.D

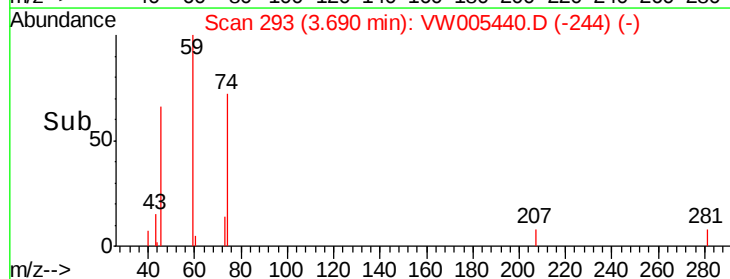
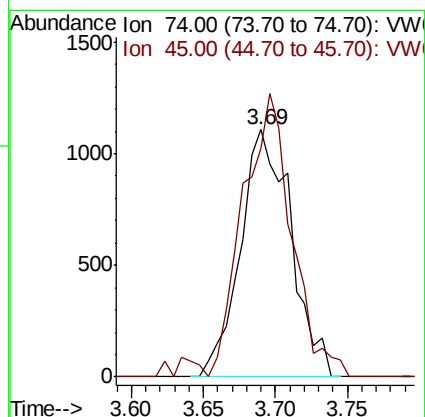
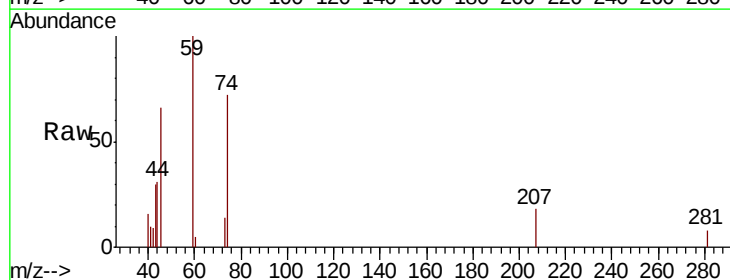
Acq: 17 Sep 2018 18:01

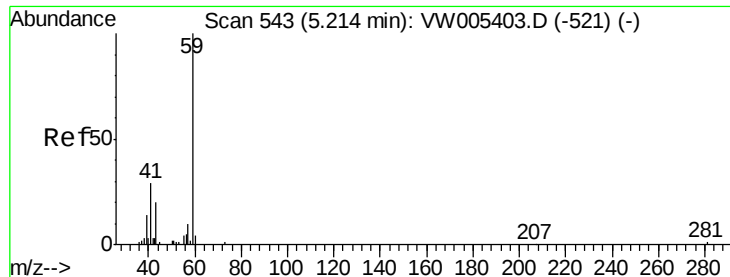
Tgt Ion: 74 Resp: 2700

Ion Ratio Lower Upper

74 100

45 110.7 53.1 159.3

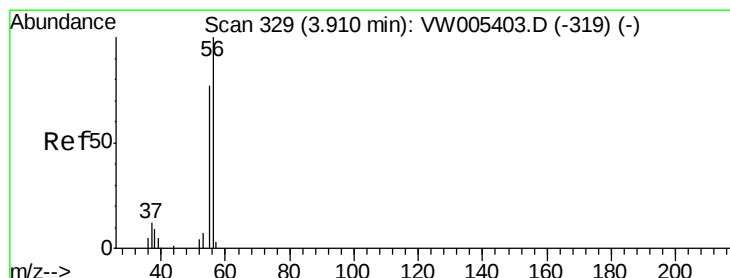
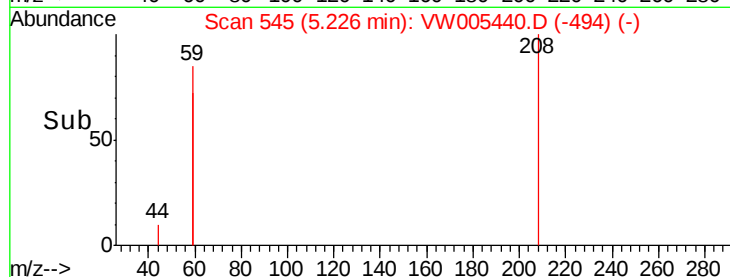
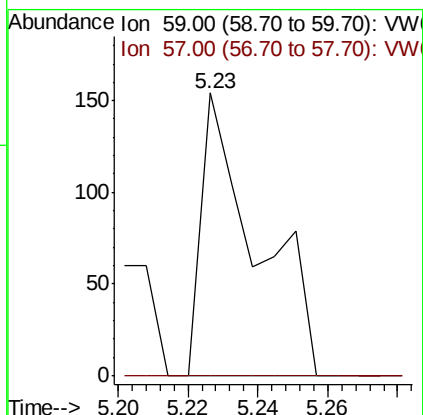
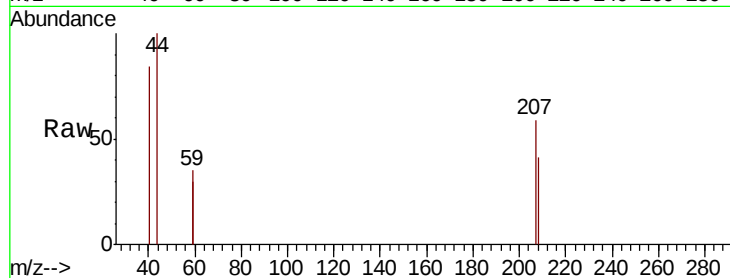




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

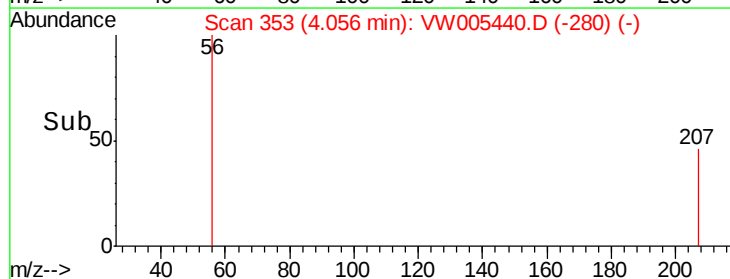
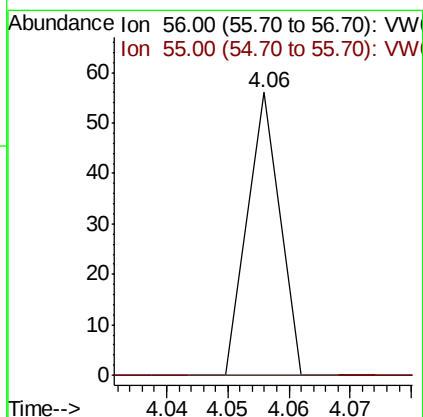
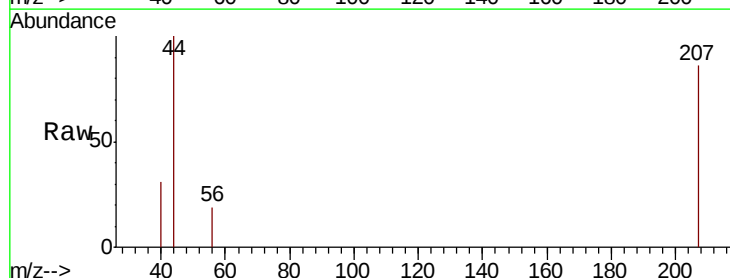
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-12

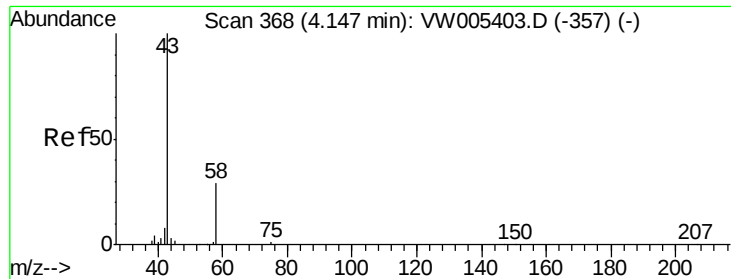
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: Below Cal
RT: 4.06 min Scan# 353
Delta R.T. 0.15 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.8#





#16

Acetone

Concen: 12.573 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

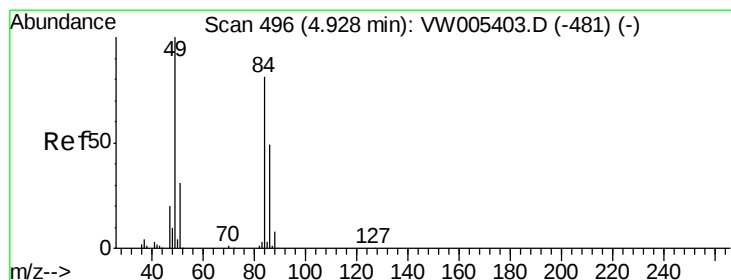
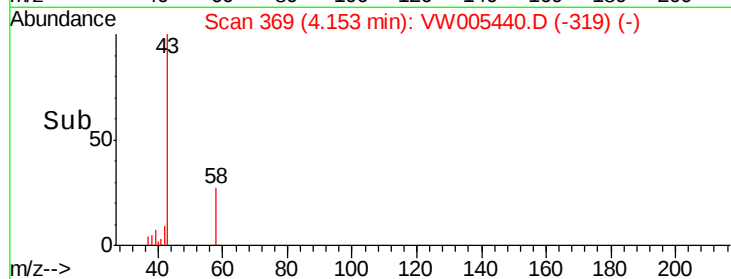
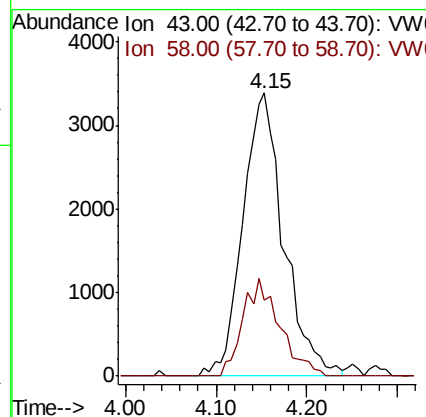
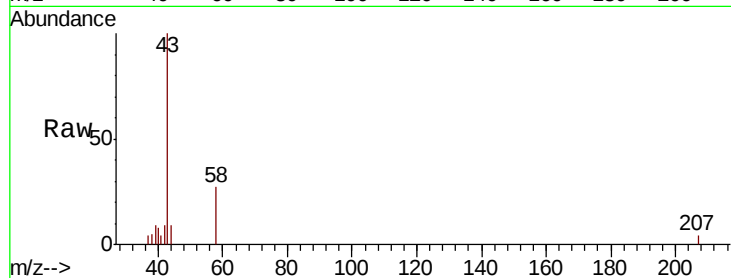
SP-PIT-12

Tgt Ion: 43 Resp: 10563

Ion Ratio Lower Upper

43 100

58 26.7 22.8 34.2



#20

Methylene Chloride

Concen: 5.270 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Tgt Ion: 84 Resp: 25543

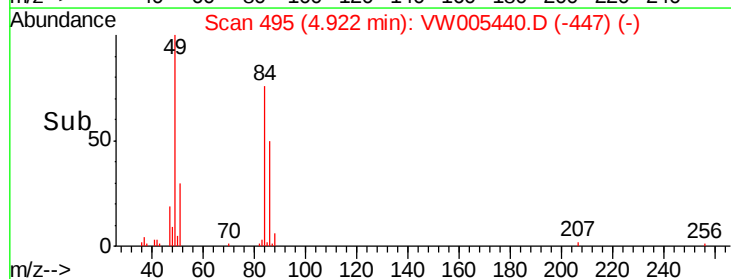
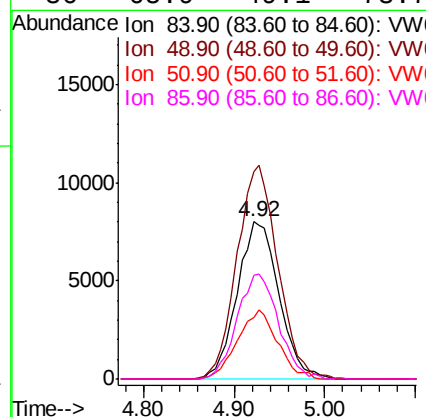
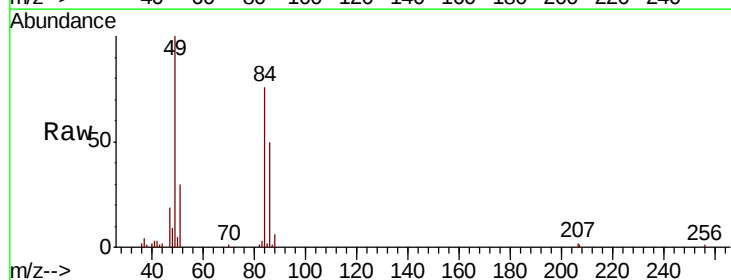
Ion Ratio Lower Upper

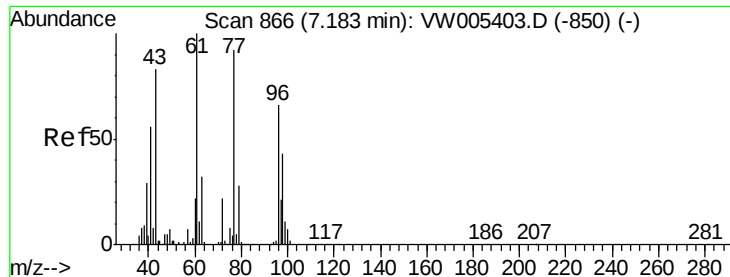
84 100

49 131.5 99.3 148.9

51 39.1 31.1 46.7

86 65.9 49.1 73.7





#25

2-Butanone

Concen: 3.919 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampled :

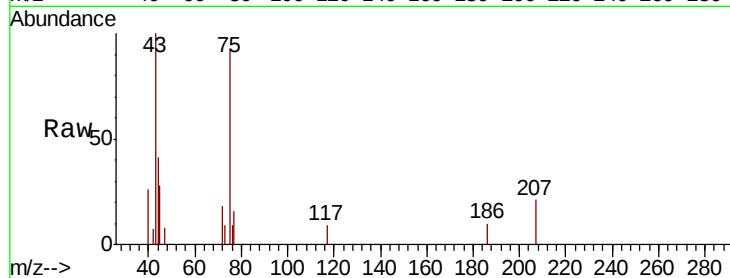
SP-PIT-12

Tgt Ion: 43 Resp: 2333

Ion Ratio Lower Upper

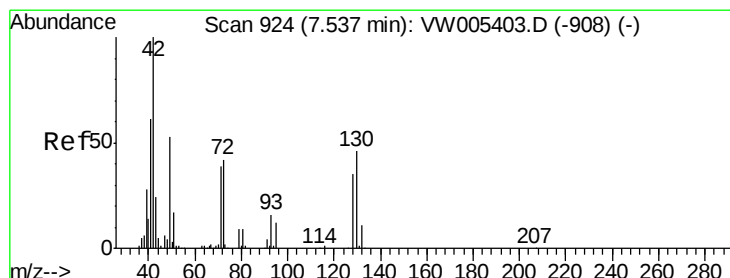
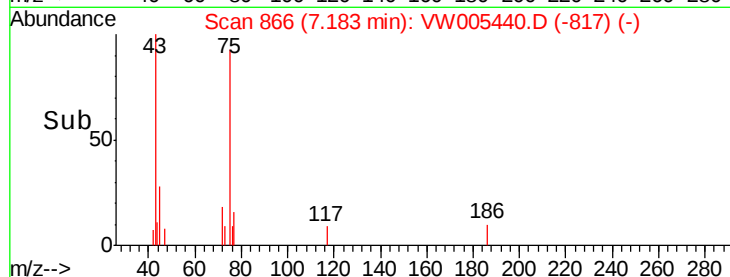
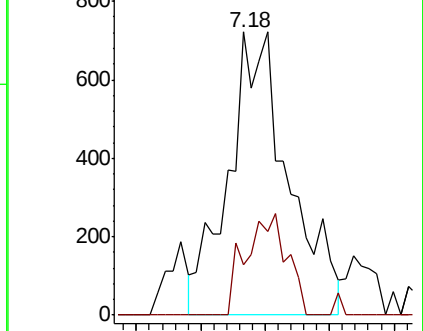
43 100

72 20.3 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.221 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

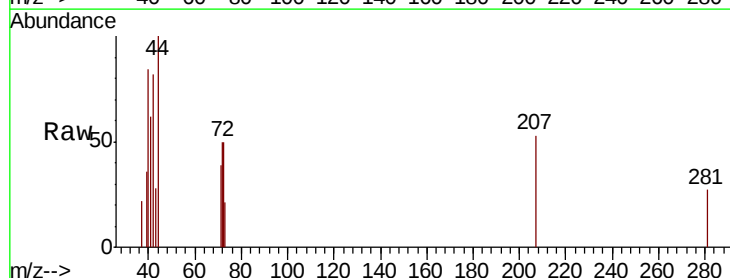
Tgt Ion: 42 Resp: 463

Ion Ratio Lower Upper

42 100

72 38.0 33.2 49.8

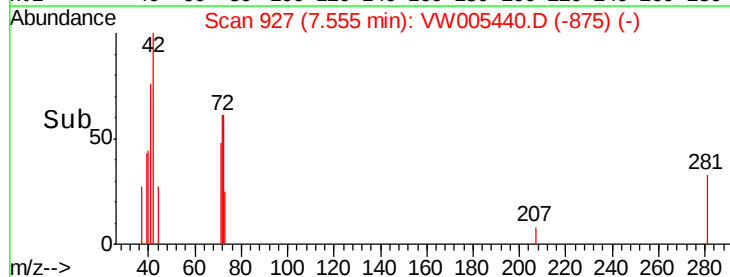
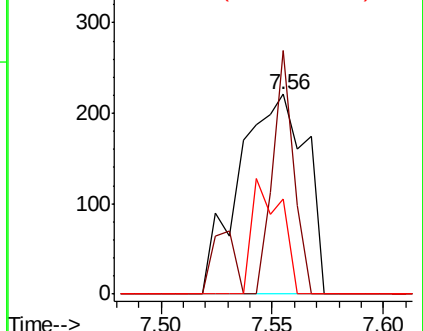
71 25.3 31.0 46.6#

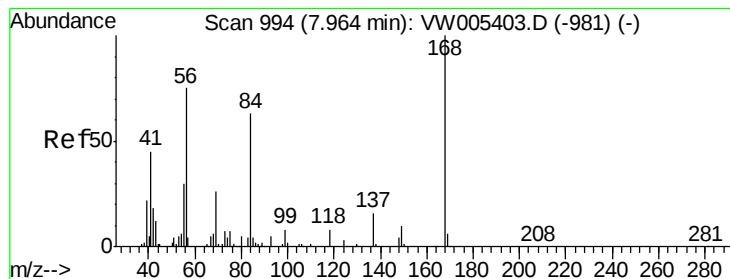


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.373 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-12

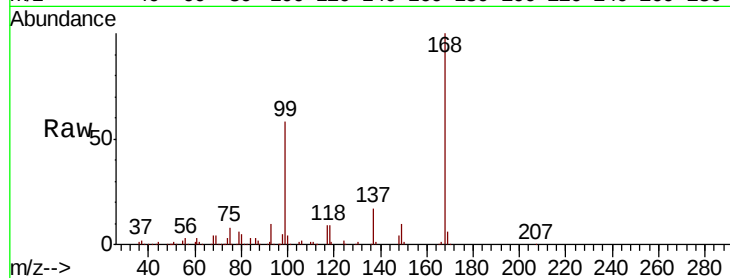
Tgt Ion: 56 Resp: 5423

Ion Ratio Lower Upper

56 100

69 150.5 27.2 40.8#

84 111.1 66.7 100.1#

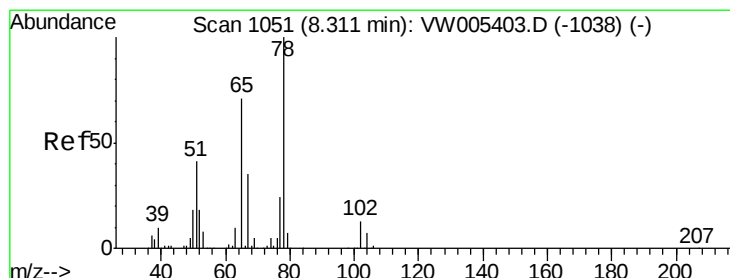
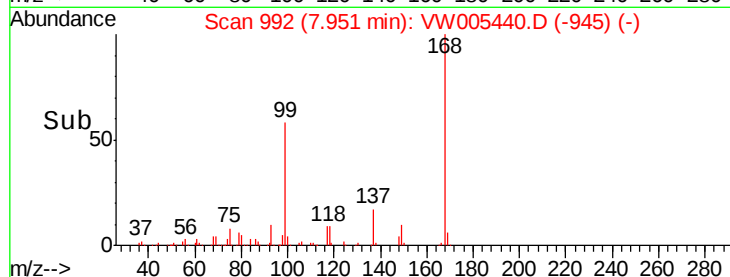
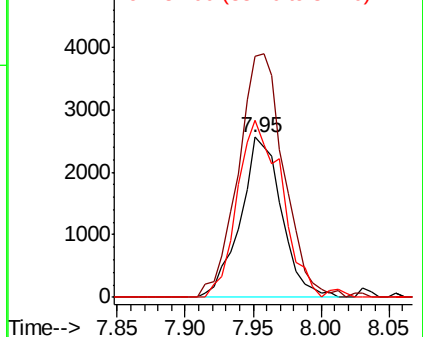


Abundance

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: 45.517 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005440.D

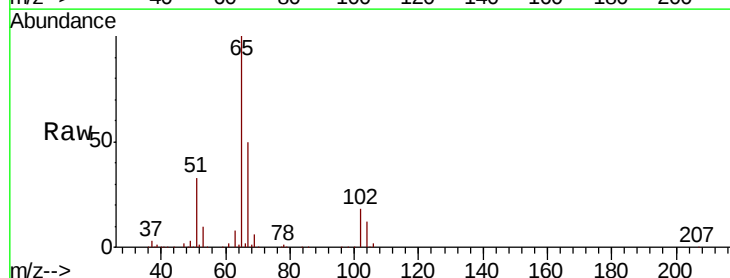
Acq: 17 Sep 2018 18:01

Tgt Ion: 65 Resp: 112628

Ion Ratio Lower Upper

65 100

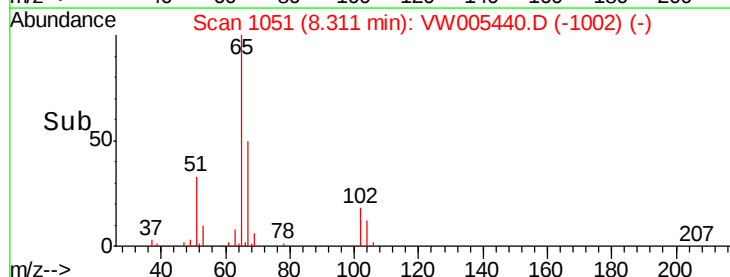
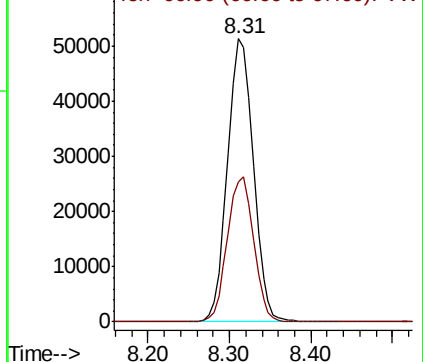
67 52.1 0.0 100.6

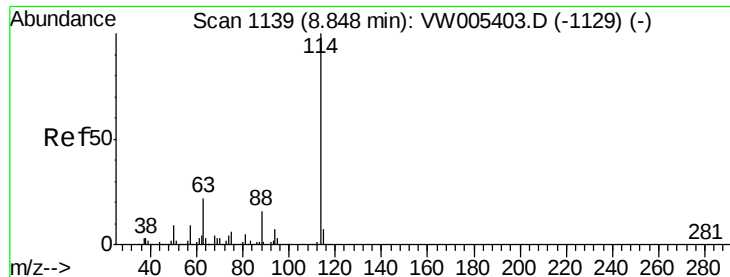


Abundance

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: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-12

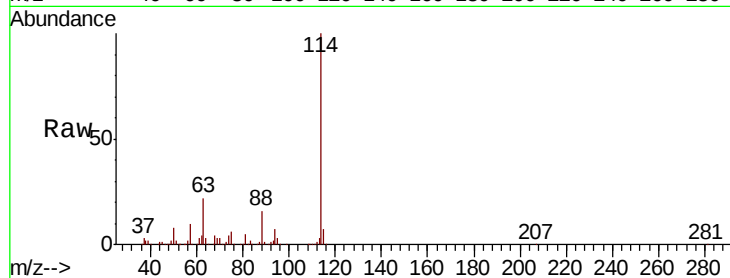
Tgt Ion:114 Resp: 371572

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

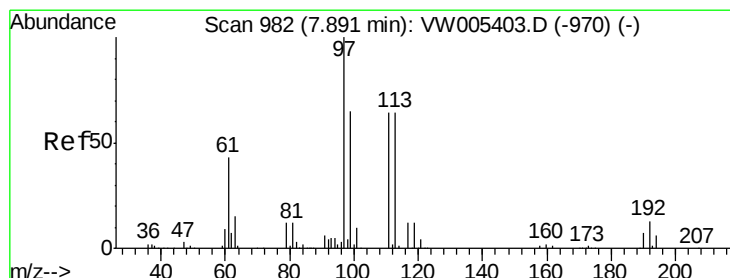
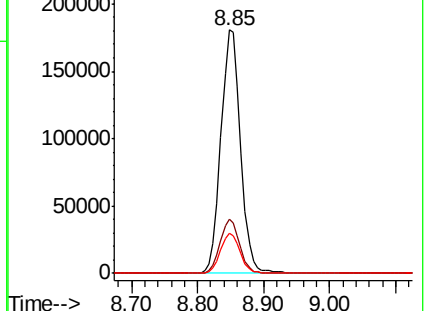
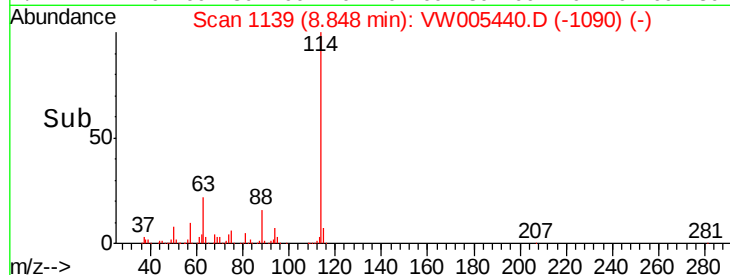
88 16.3 0.0 31.8



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: 44.069 ug/l

RT: 7.90 min Scan# 983

Delta R.T. 0.01 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

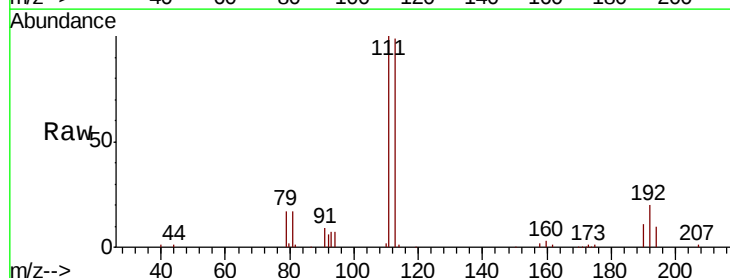
Tgt Ion:113 Resp: 91812

Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

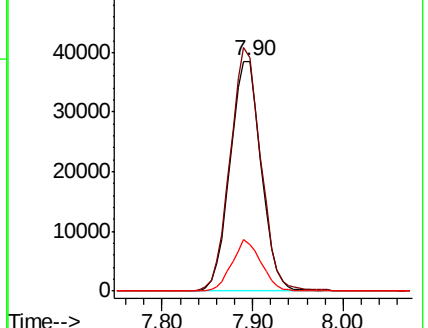
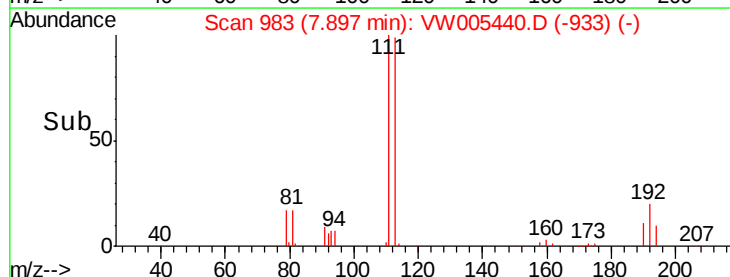
192 20.9 16.5 24.7

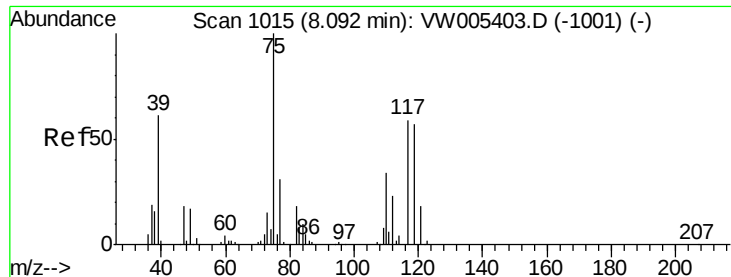


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

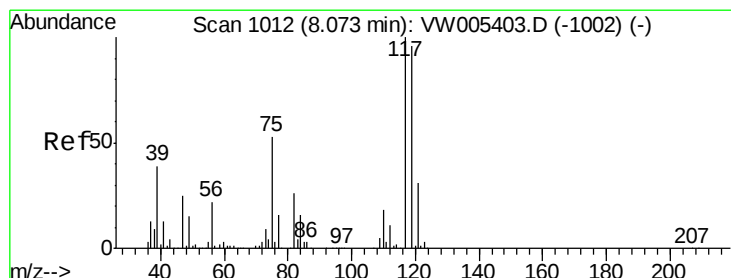
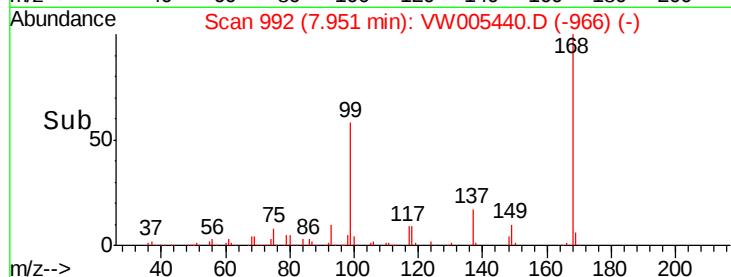
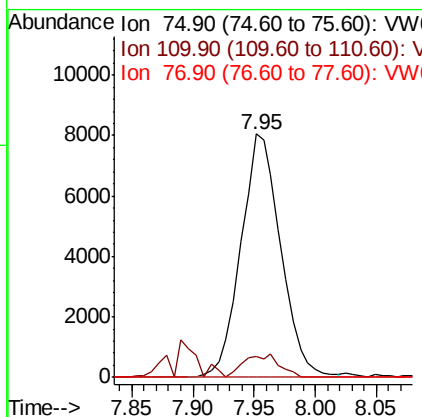
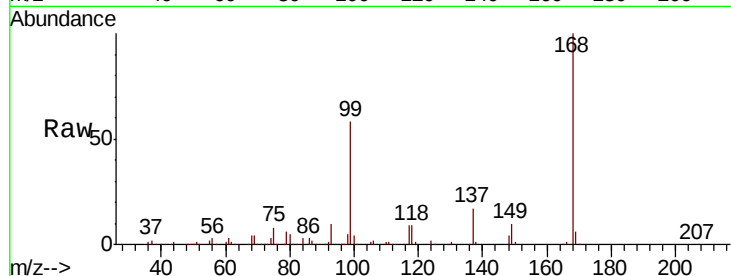




#36
 1,1-Dichloropropene
 Concen: 5.164 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VW005440.D
 Acq: 17 Sep 2018 18:01

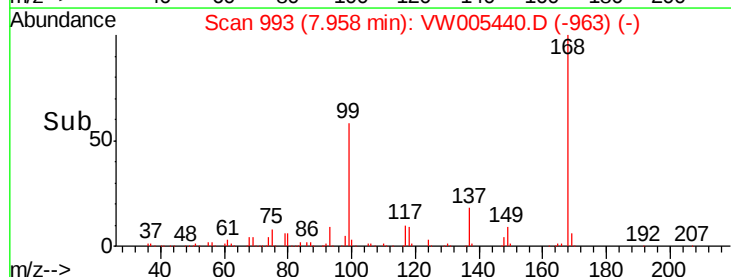
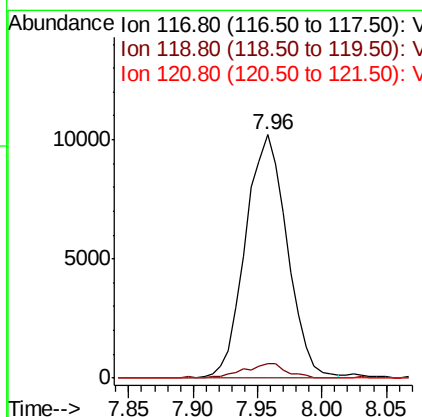
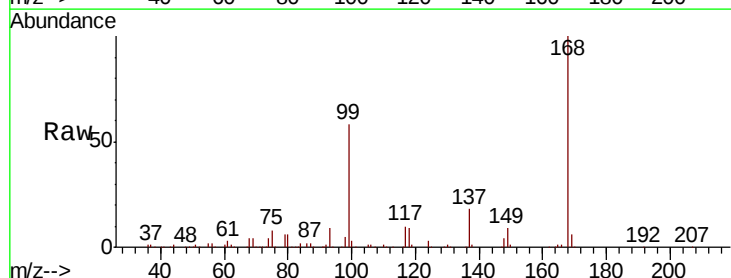
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-PIT-12

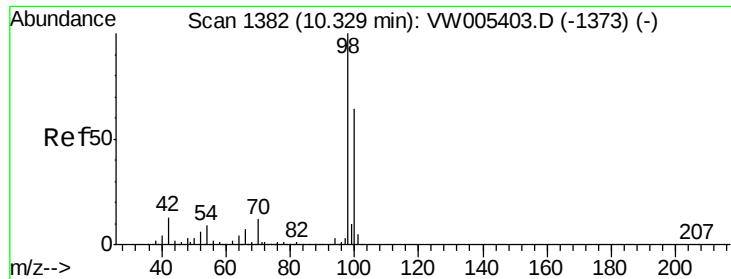
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.8	50.4#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.254 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005440.D
 Acq: 17 Sep 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.8	115.2#
121	0.0	24.7	37.1#

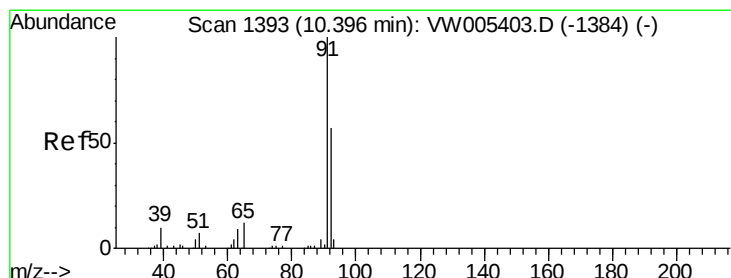
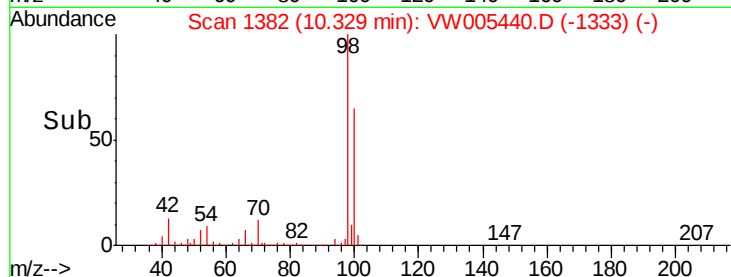
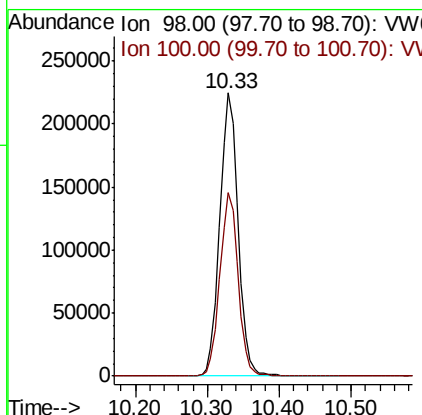
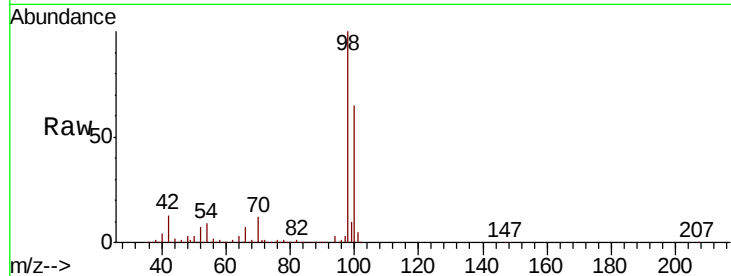




#50
Toluene-d8
Concen: 41.664 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

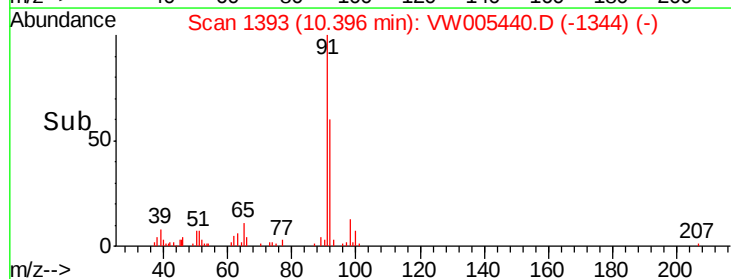
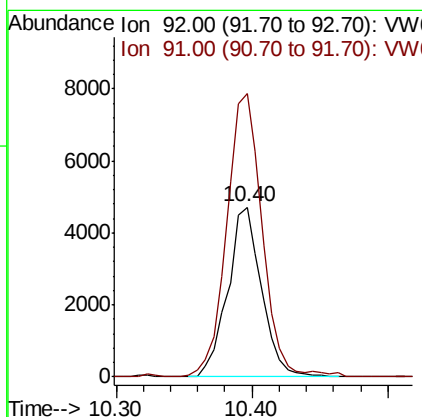
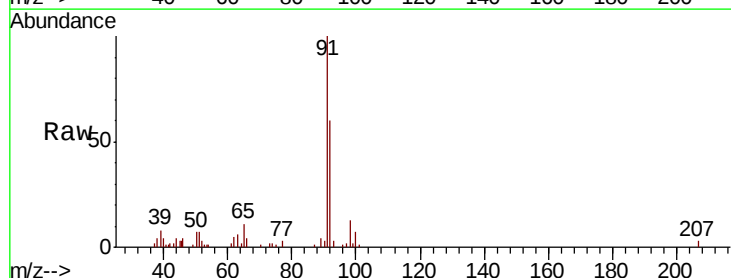
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-12

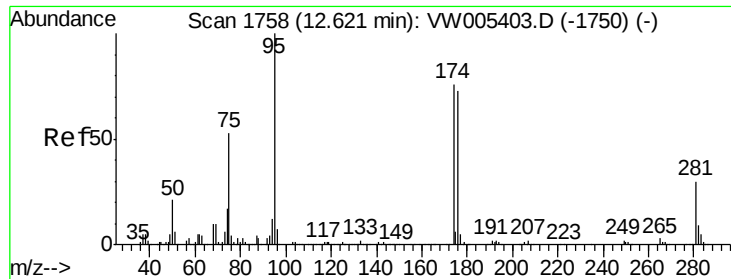
Tgt Ion: 98 Resp: 397504
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#52
Toluene
Concen: 1.179 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

Tgt Ion: 92 Resp: 8133
Ion Ratio Lower Upper
92 100
91 175.7 139.1 208.7

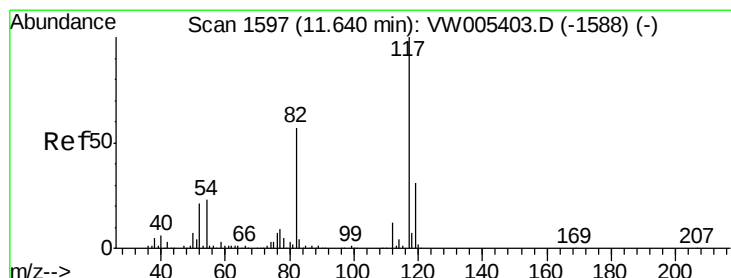
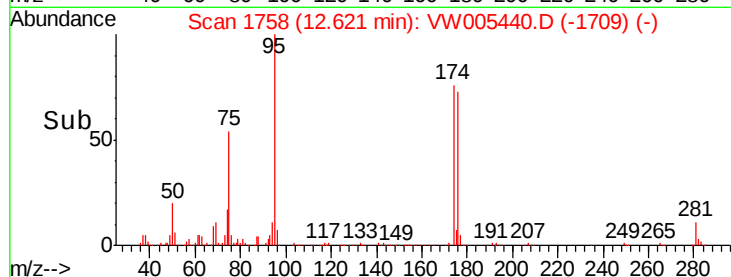
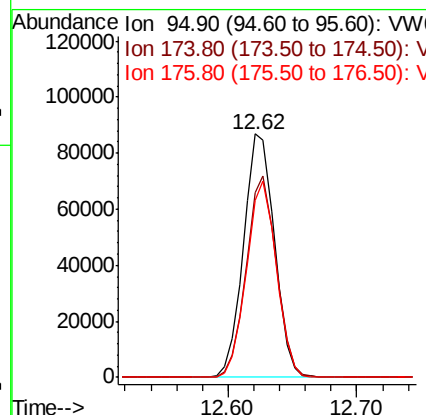
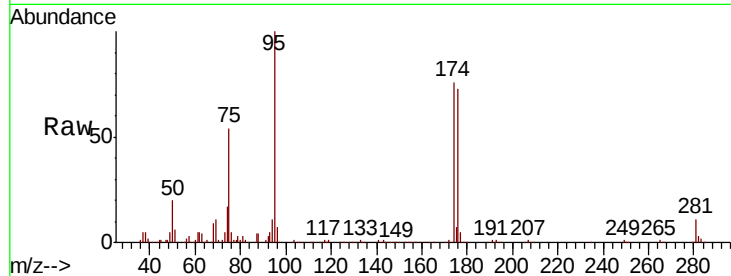




#62
4-Bromofluorobenzene
Concen: 41.075 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

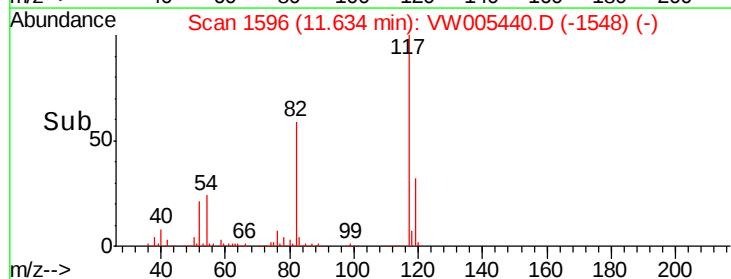
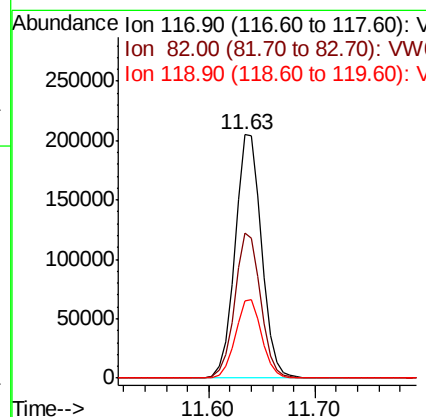
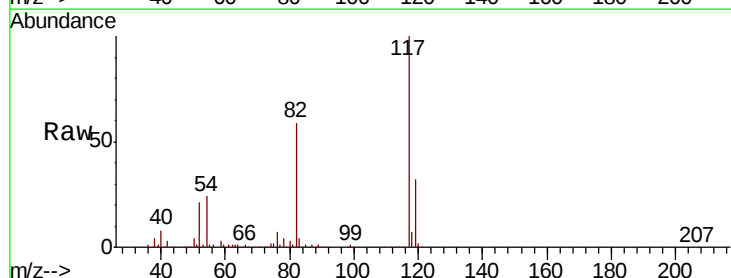
Instrument :
MSVOA_W
ClientSampleId :
SP-PIT-12

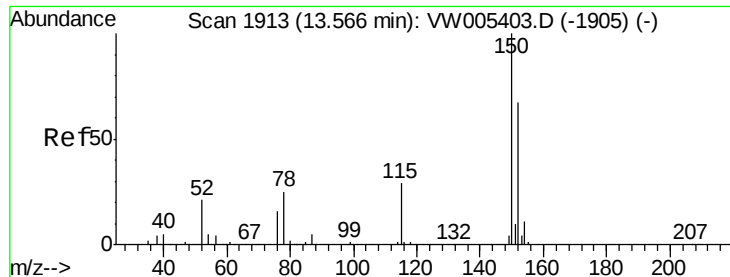
Tgt Ion: 95 Resp: 143692
Ion Ratio Lower Upper
95 100
174 80.5 0.0 161.2
176 77.8 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

Tgt Ion: 117 Resp: 356897
Ion Ratio Lower Upper
117 100
82 59.4 45.9 68.9
119 31.5 24.8 37.2



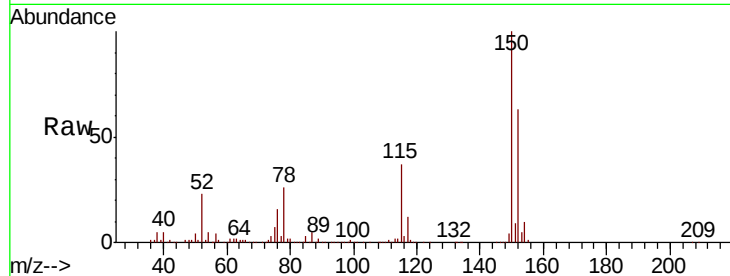


#72

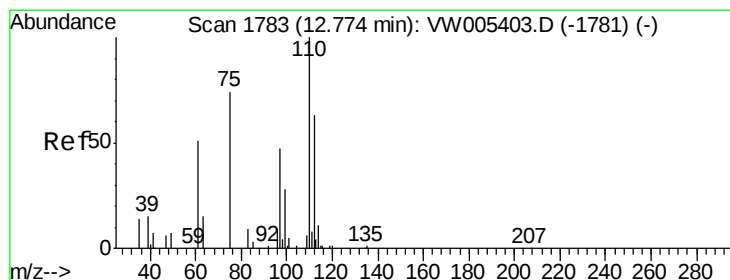
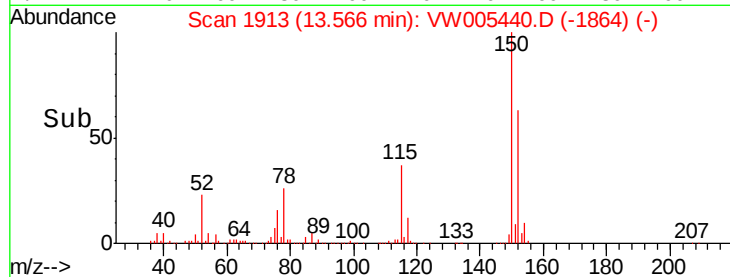
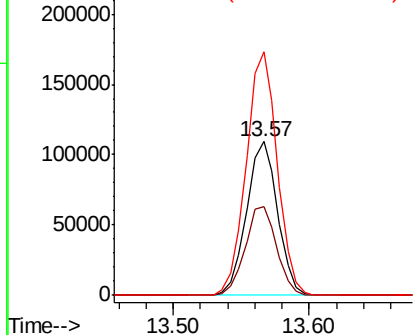
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

Instrument :
MSVOA_W
ClientSampled :
SP-PIT-12

Tgt Ion:152 Resp: 174960
Ion Ratio Lower Upper
152 100
115 58.6 29.5 88.5
150 157.9 0.0 345.6



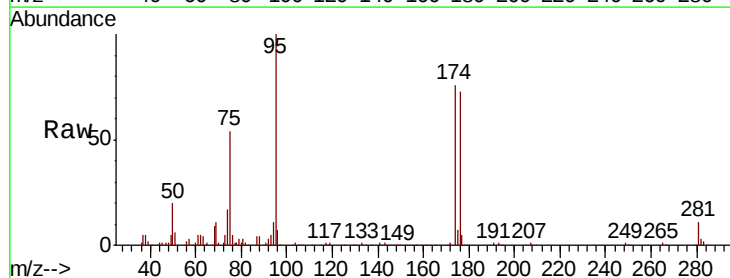
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



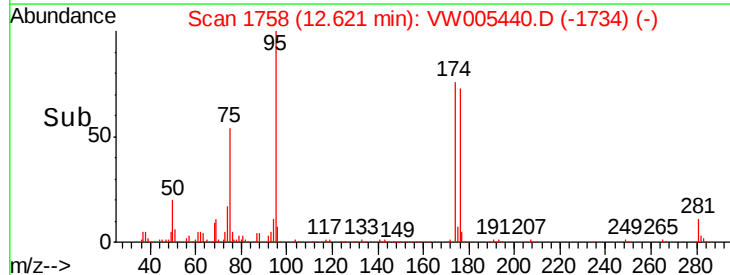
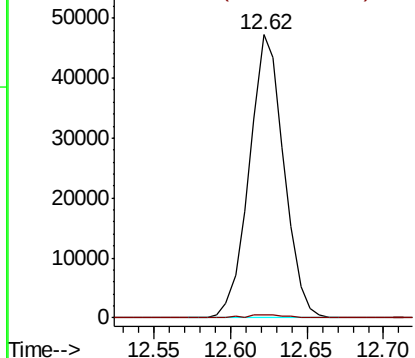
#76

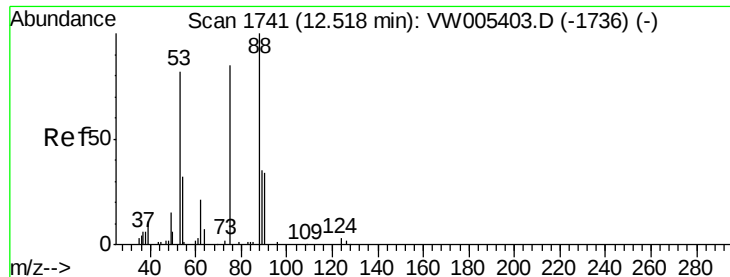
1,2,3-Trichloropropane
Concen: 51.612 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005440.D
Acq: 17 Sep 2018 18:01

Tgt Ion: 75 Resp: 74270
Ion Ratio Lower Upper
75 100
77 1.2 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: 133.885 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005440.D

Acq: 17 Sep 2018 18:01

Instrument :

MSVOA_W

ClientSampleId :

SP-PIT-12

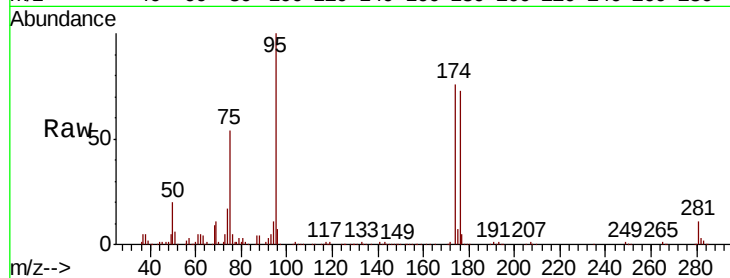
Tgt Ion: 75 Resp: 74270

Ion Ratio Lower Upper

75 100

53 0.1 83.2 124.8#

89 0.0 36.6 54.8#



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

