

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013285.D
 Acq On : 24 Sep 2019 19:05
 Operator : SY/VA
 Sample : K4657-04
 Misc : 4.83G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BU-03-092419

Quant Time: Sep 25 07:13:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	38118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	55483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	43827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	12313	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	16741	53.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.62%	
35) Dibromofluoromethane	7.88	113	15818	51.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.68%	
50) Toluene-d8	10.32	98	60794	47.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.62	95	16241	37.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.46%	

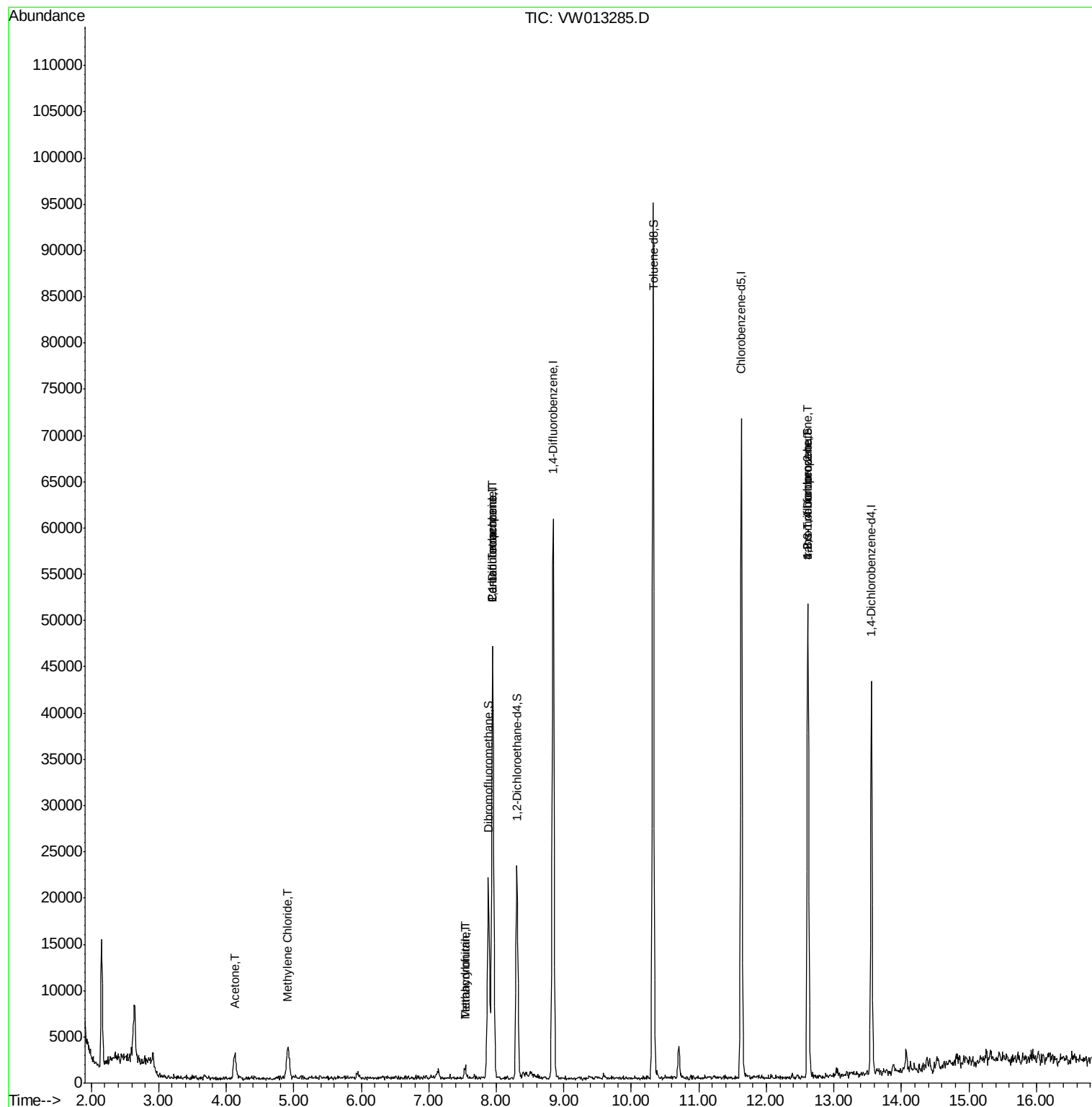
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	30	Below Cal	#	73
16) Acetone	4.13	43	5205	74.192	ug/l #	80
20) Methylene Chloride	4.90	84	2822	5.266	ug/l #	70
29) Tetrahydrofuran	7.54	42	925	14.322	ug/l #	68
36) 1,1-Dichloropropene	7.95	75	2369	4.408	ug/l #	48
38) Carbon Tetrachloride	7.95	117	3245	6.736	ug/l #	22
41) Methacrylonitrile	7.54	41	616	4.519	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	7274	66.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7274	150.103	ug/l #	12

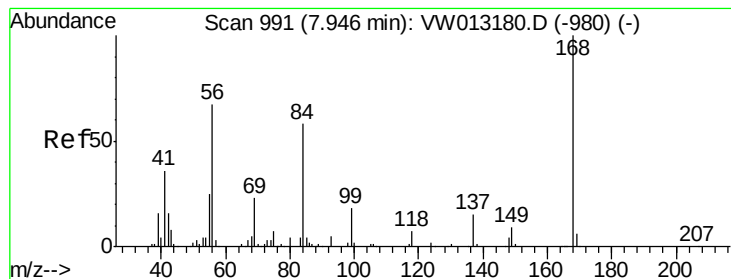
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013285.D

Acq: 24 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

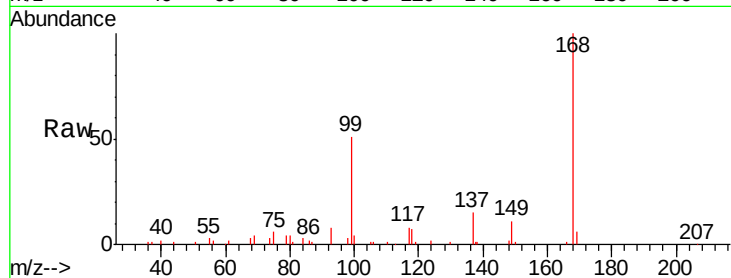
BU-03-092419

Tgt Ion:168 Resp: 38118

Ion Ratio Lower Upper

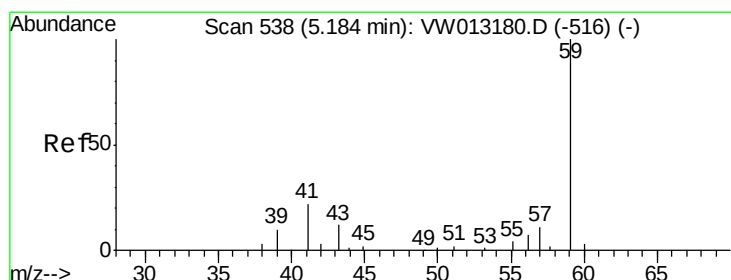
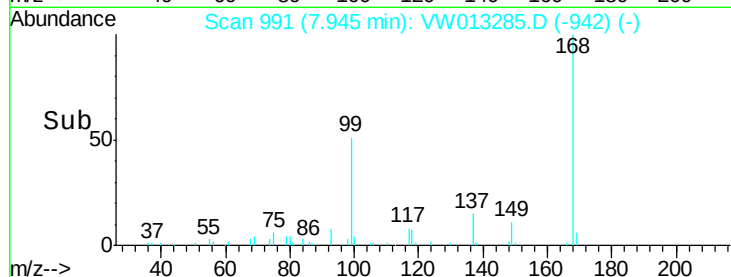
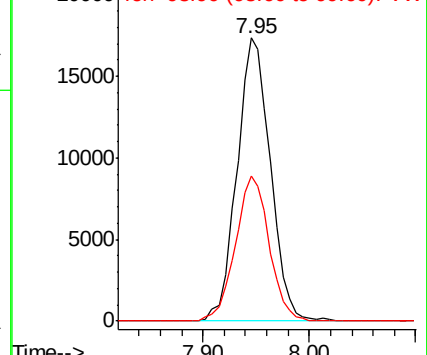
168 100

99 51.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013285.D

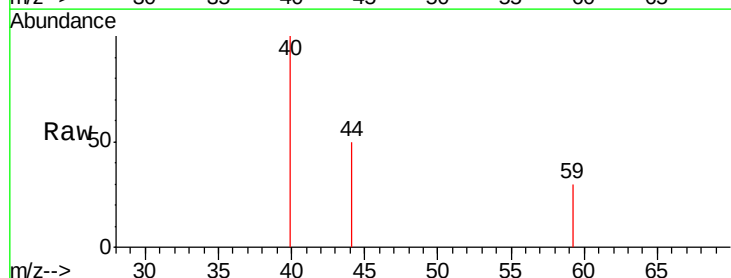
Acq: 24 Sep 2019 19:05

Tgt Ion: 59 Resp: 30

Ion Ratio Lower Upper

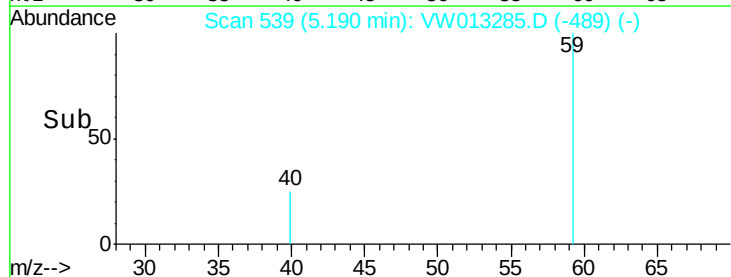
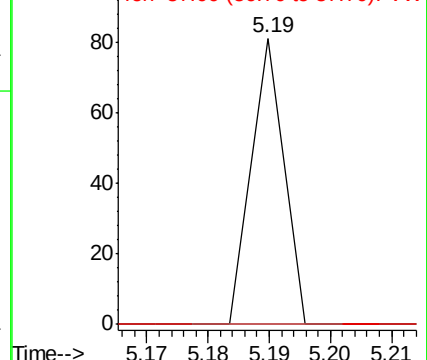
59 100

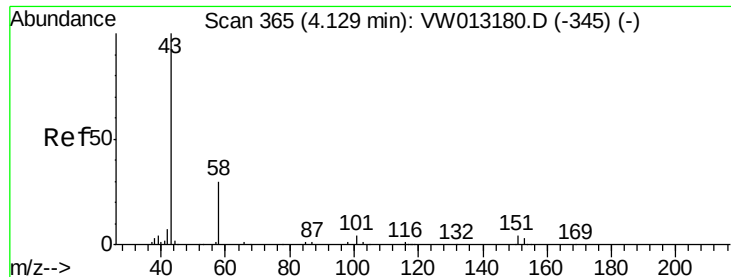
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 74.192 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampled :

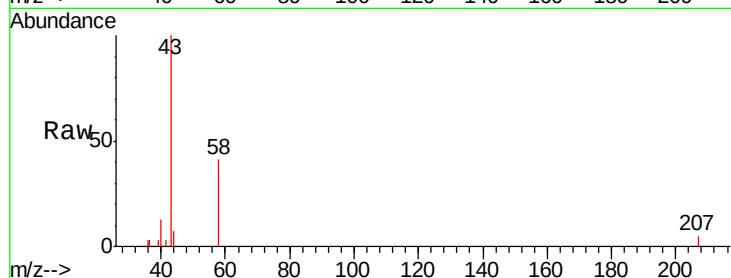
BU-03-092419

Tgt Ion: 43 Resp: 5205

Ion Ratio Lower Upper

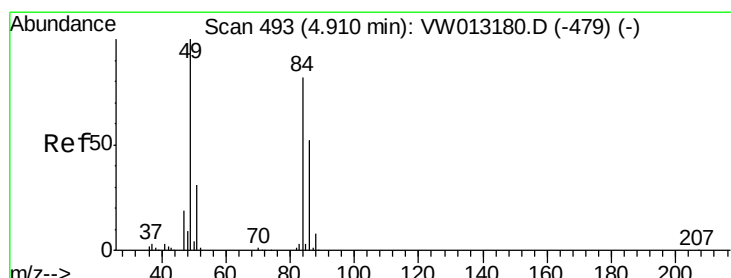
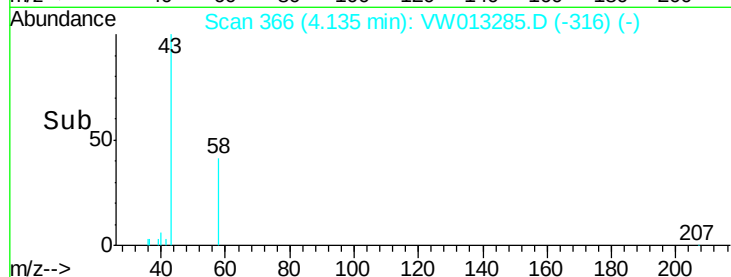
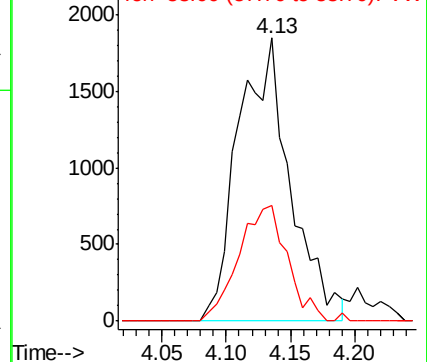
43 100

58 41.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.266 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

Tgt Ion: 84 Resp: 2822

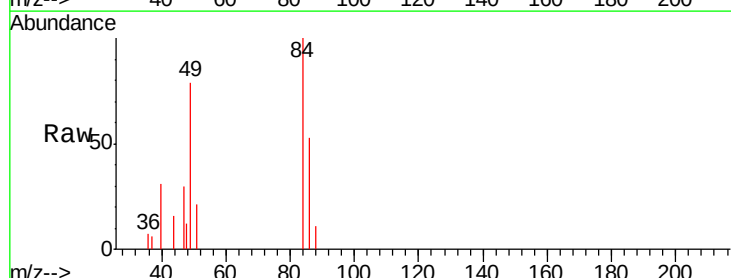
Ion Ratio Lower Upper

84 100

49 78.6 97.6 146.4#

51 21.2 30.2 45.2#

86 52.6 50.6 76.0

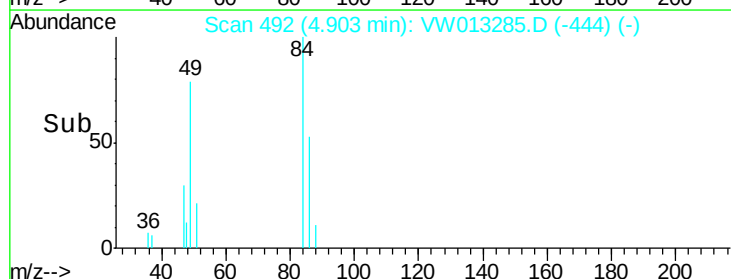
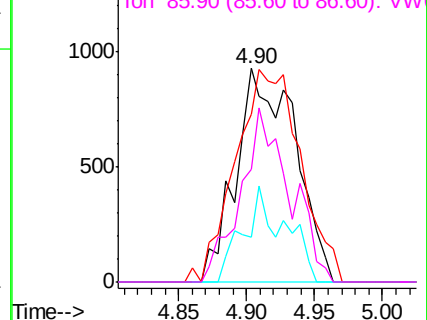


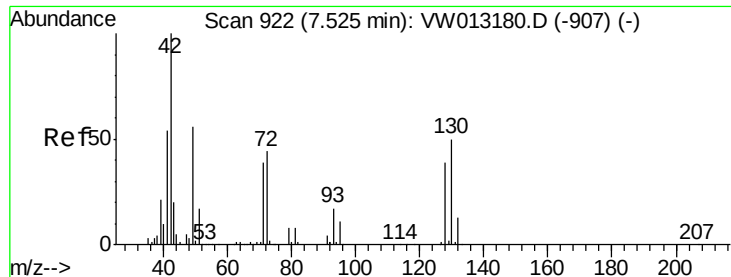
Abundance Ion 83.90 (83.60 to 84.60): VW

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

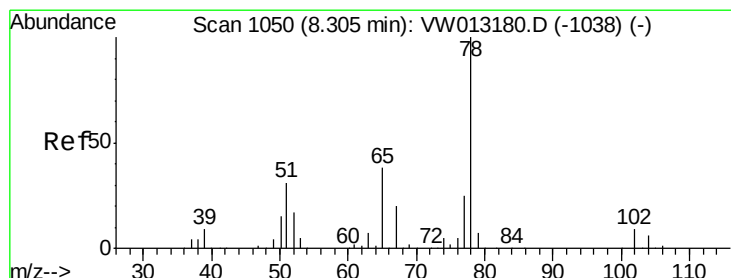
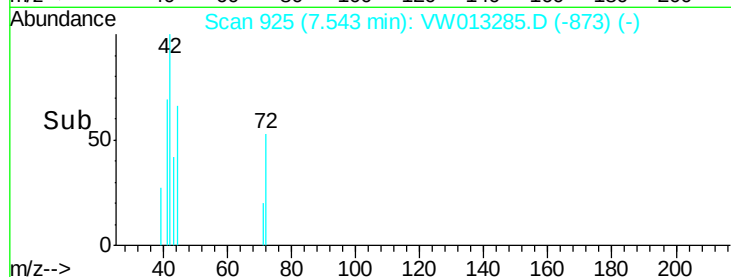
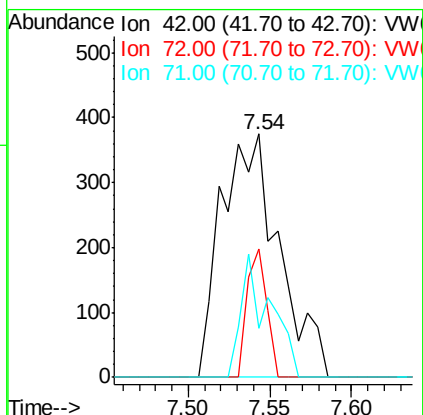
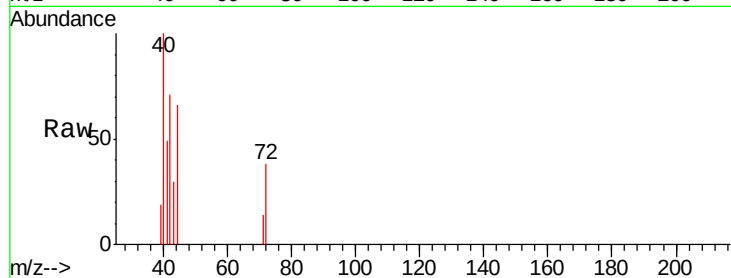




#29
Tetrahydrofuran
Concen: 14.322 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

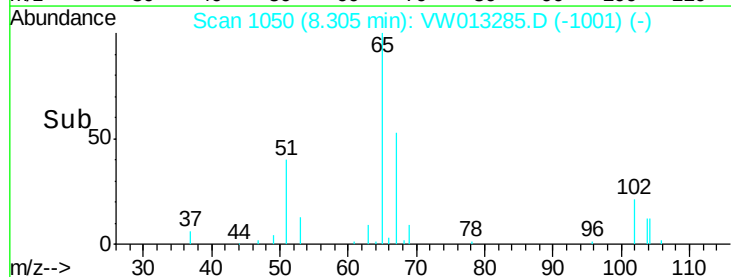
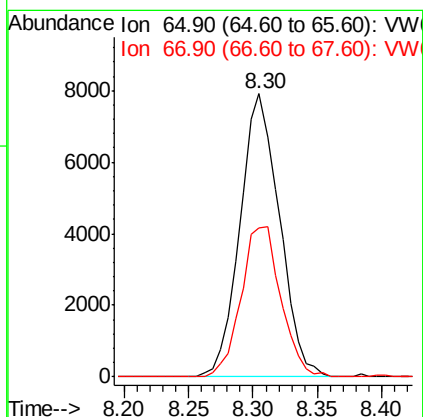
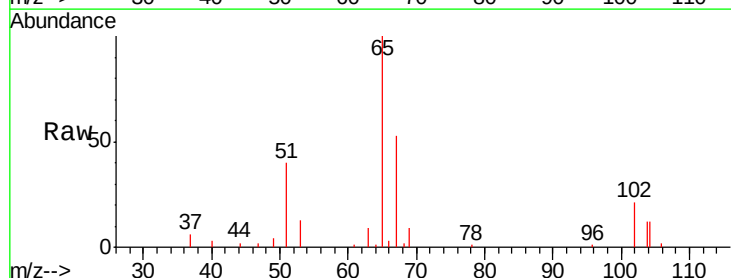
Instrument :
MSVOA_W
ClientSampleId :
BU-03-092419

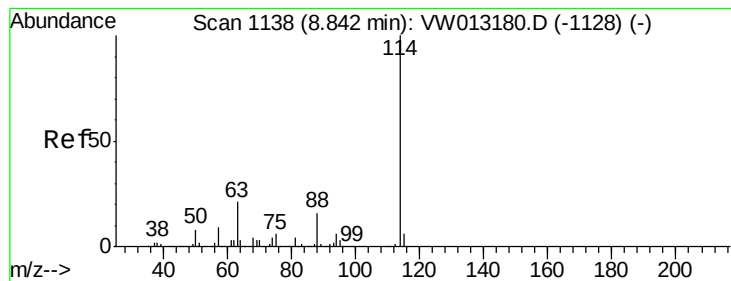
Tgt Ion: 42 Resp: 925
Ion Ratio Lower Upper
42 100
72 18.1 33.9 50.9#
71 24.9 31.9 47.9#



#33
1,2-Dichloroethane-d4
Concen: 53.813 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

Tgt Ion: 65 Resp: 16741
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

BU-03-092419

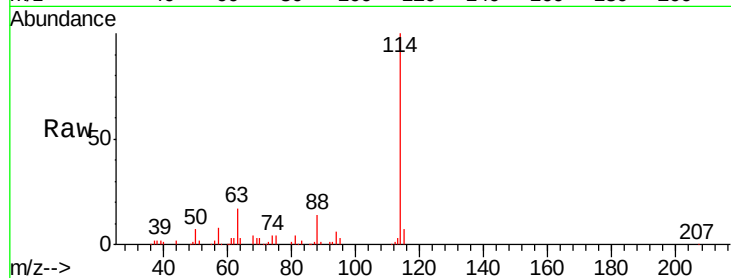
Tgt Ion:114 Resp: 55483

Ion Ratio Lower Upper

114 100

63 16.9 0.0 41.4

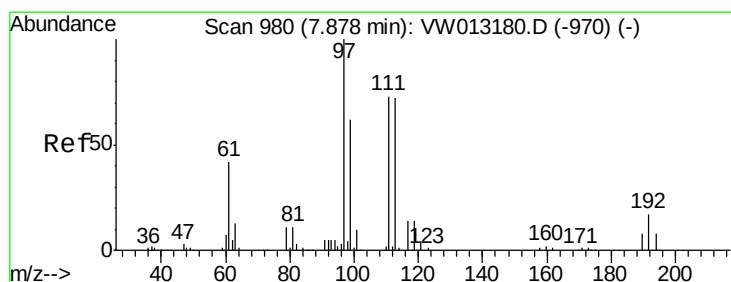
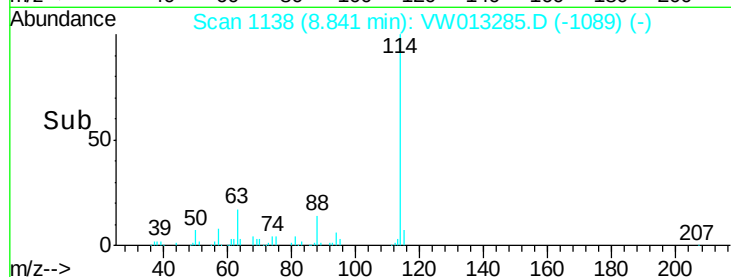
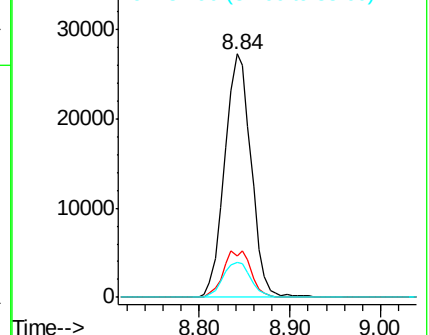
88 14.1 0.0 32.0



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: 51.836 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

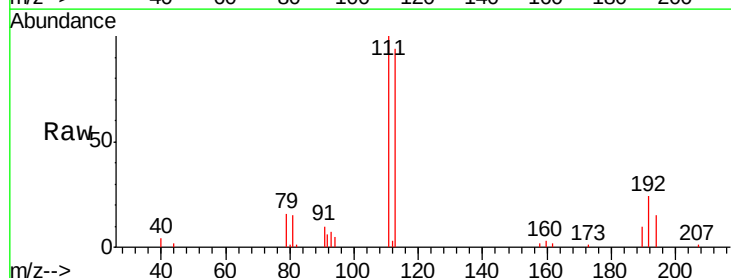
Tgt Ion:113 Resp: 15818

Ion Ratio Lower Upper

113 100

111 99.7 81.9 122.9

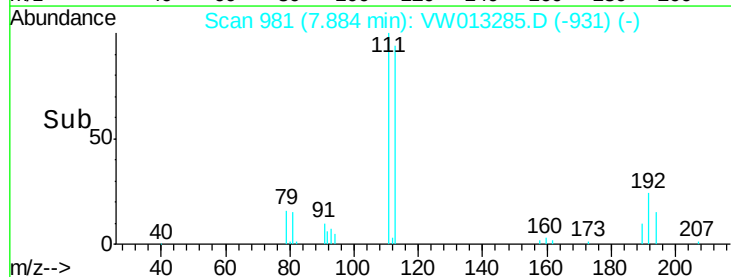
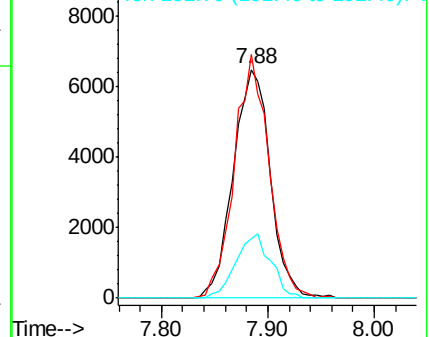
192 26.4 19.1 28.7

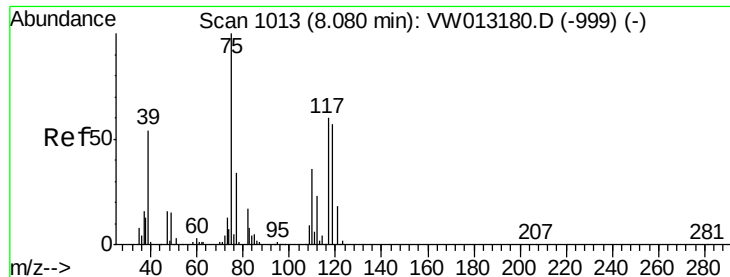


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

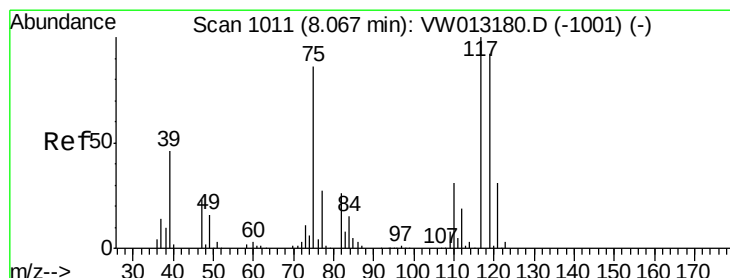
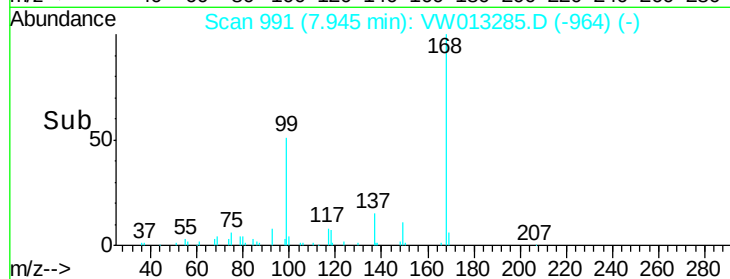
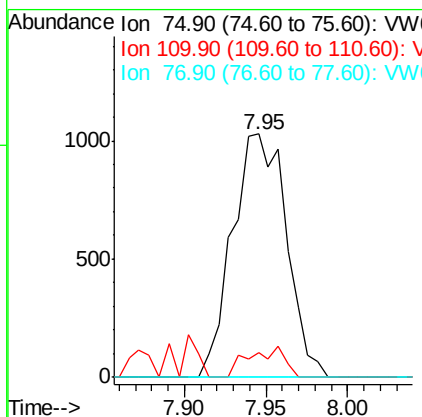
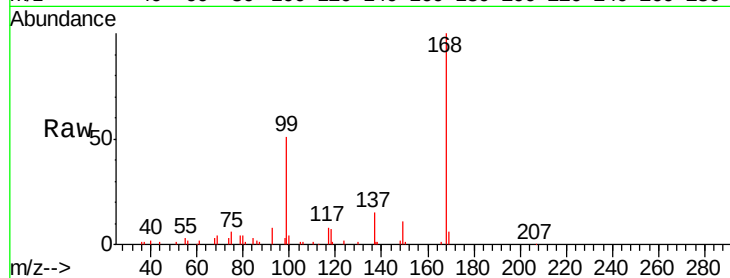




#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013285.D
 Acq: 24 Sep 2019 19:05

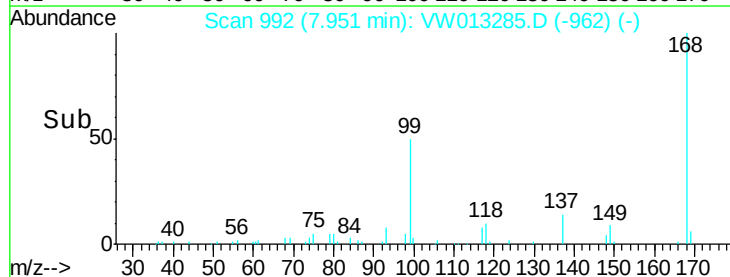
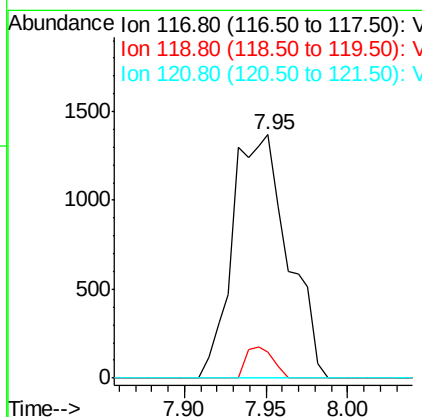
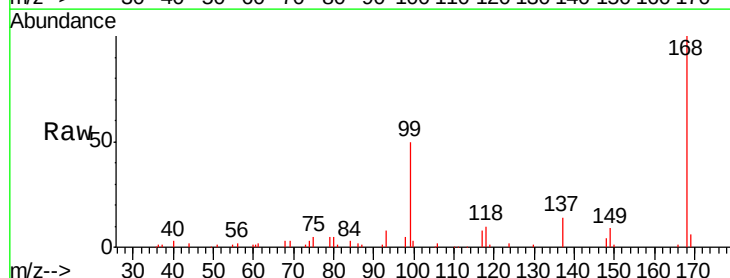
Instrument :
 MSVOA_W
 ClientSampled :
 BU-03-092419

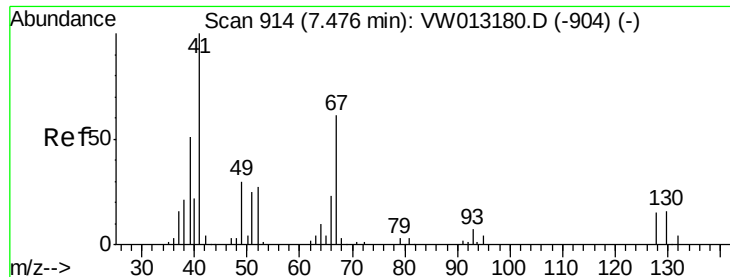
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW013285.D
 Acq: 24 Sep 2019 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	10.7	73.5	110.3#
121	0.0	25.0	37.6#

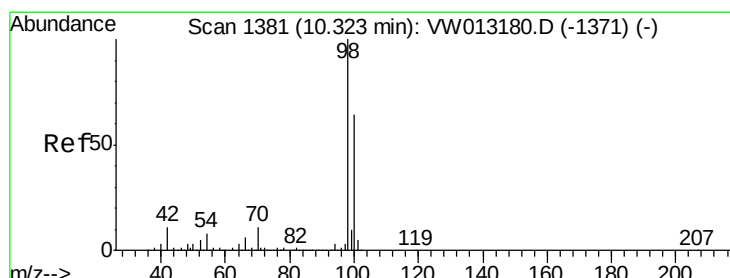
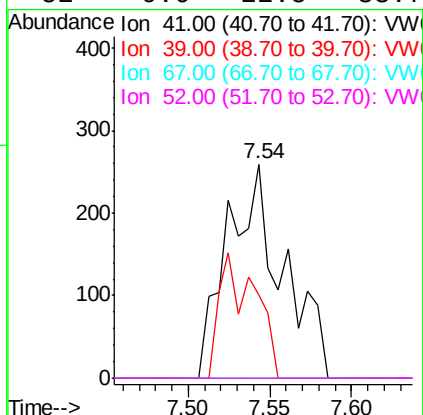
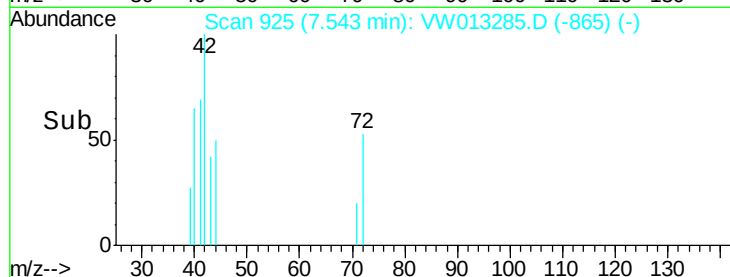
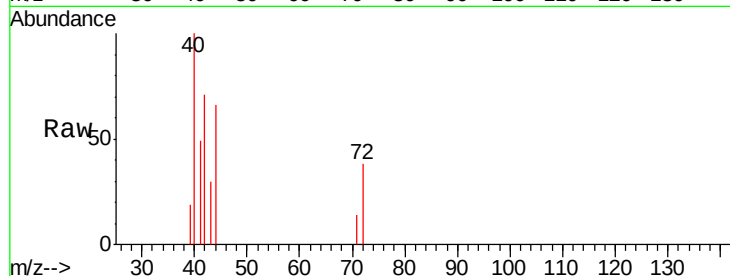




#41
Methacrylonitrile
Concen: 4.519 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.07 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

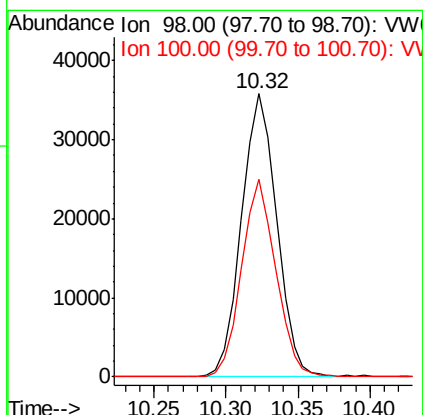
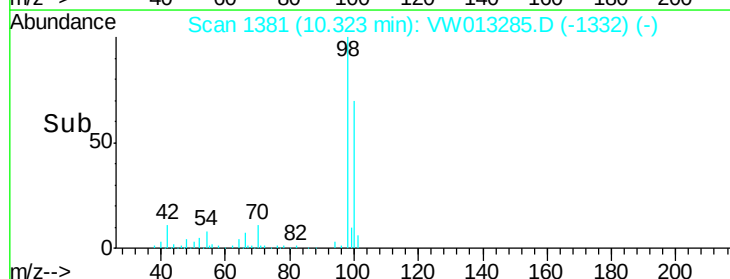
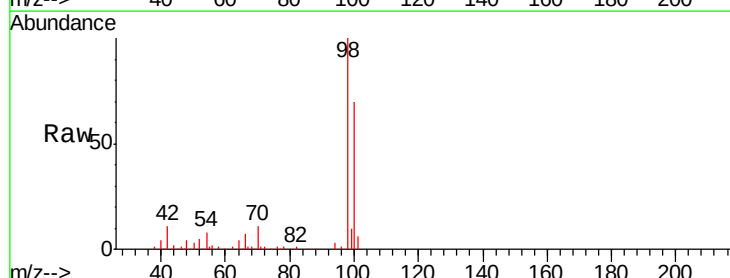
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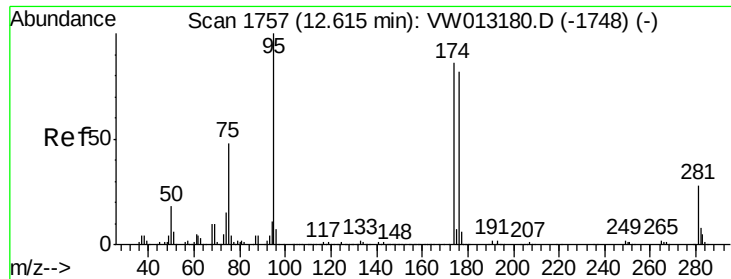
Tgt Ion: 41 Resp: 616
Ion Ratio Lower Upper
41 100
39 37.8 45.9 68.9#
67 0.0 54.5 81.7#
52 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 47.602 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

Tgt Ion: 98 Resp: 60794
Ion Ratio Lower Upper
98 100
100 68.2 52.9 79.3

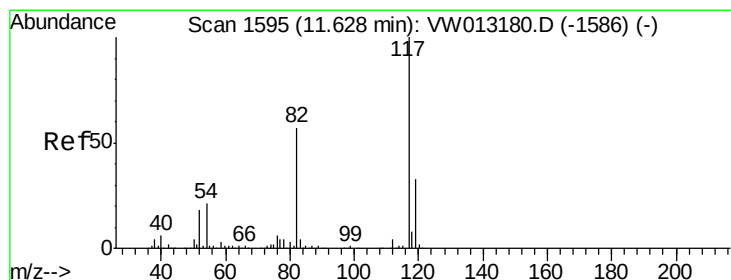
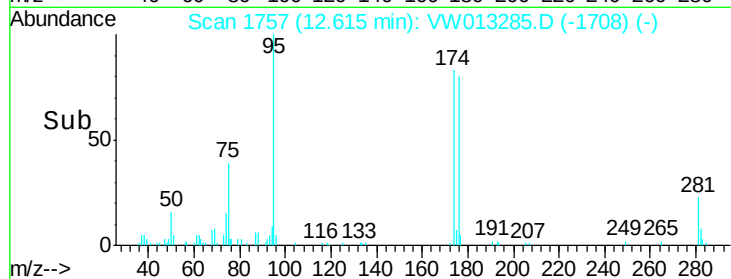
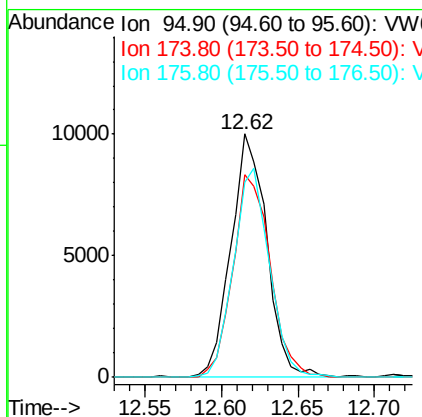
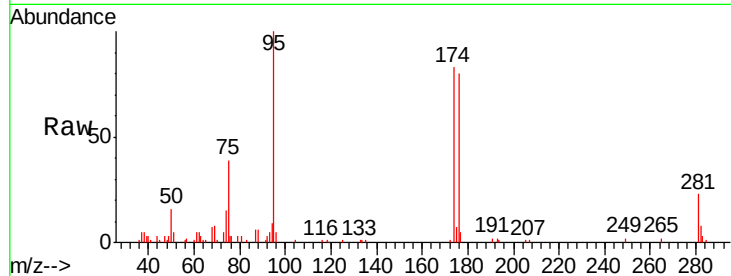




#62
4-Bromofluorobenzene
Concen: 37.229 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

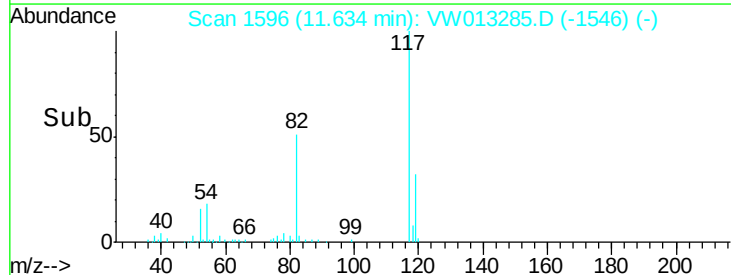
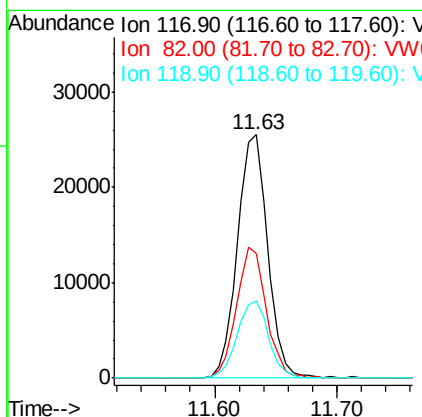
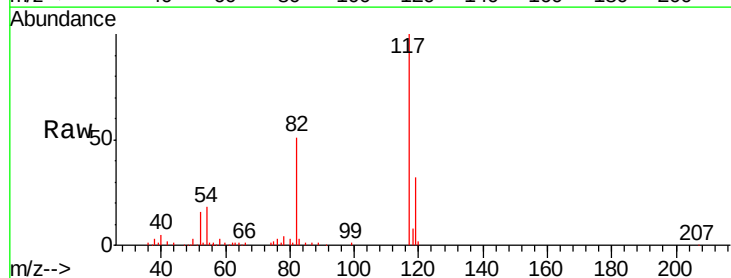
Instrument :
MSVOA_W
ClientSampleId :
BU-03-092419

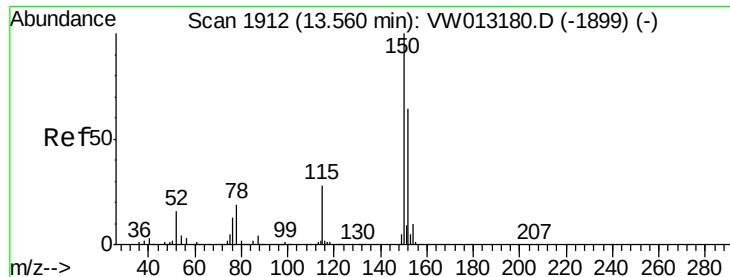
Tgt Ion: 95 Resp: 16241
Ion Ratio Lower Upper
95 100
174 87.1 0.0 178.4
176 86.3 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013285.D
Acq: 24 Sep 2019 19:05

Tgt Ion: 117 Resp: 43827
Ion Ratio Lower Upper
117 100
82 51.2 45.9 68.9
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

BU-03-092419

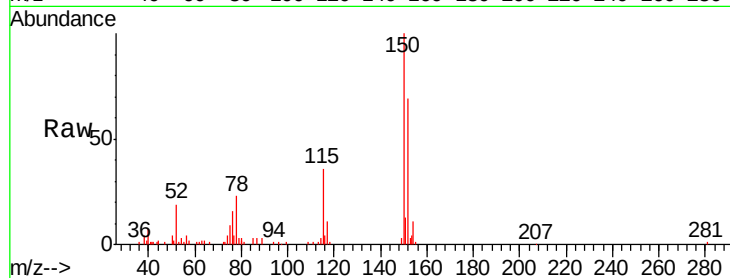
Tgt Ion: 152 Resp: 12313

Ion Ratio Lower Upper

152 100

115 53.8 27.3 81.9

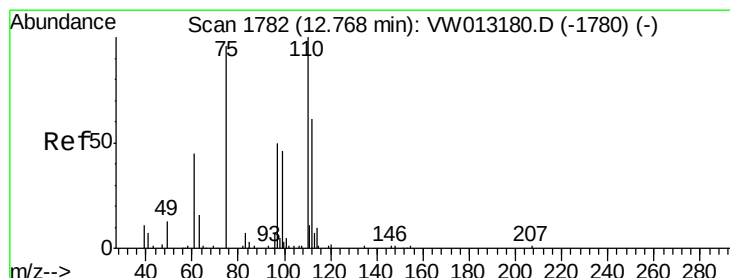
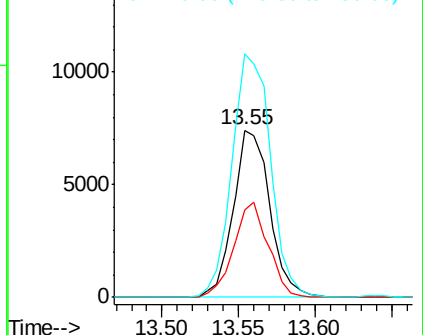
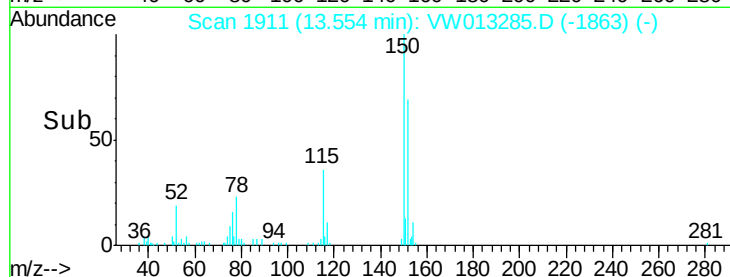
150 153.2 0.0 349.0



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: 66.894 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW013285.D

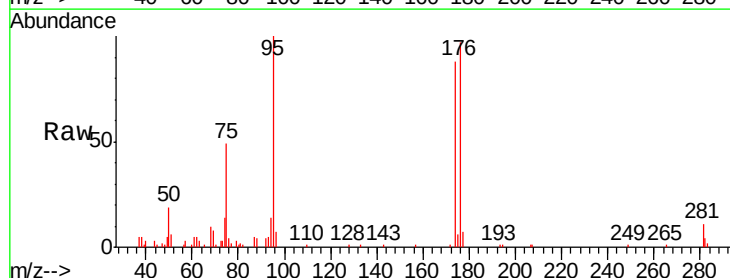
Acq: 24 Sep 2019 19:05

Tgt Ion: 75 Resp: 7274

Ion Ratio Lower Upper

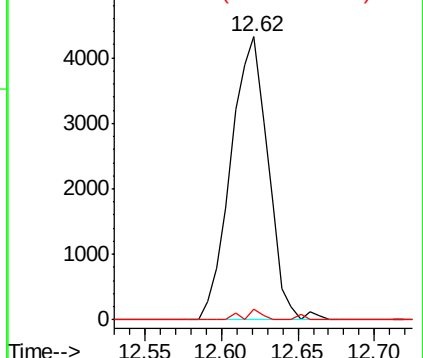
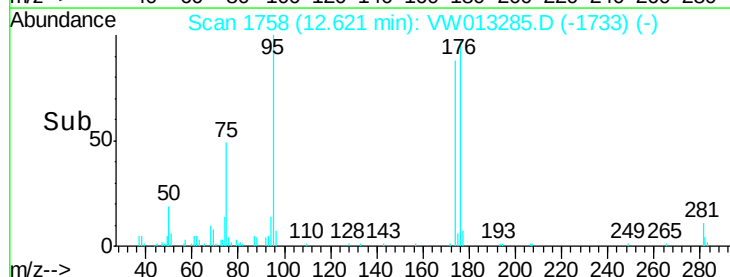
75 100

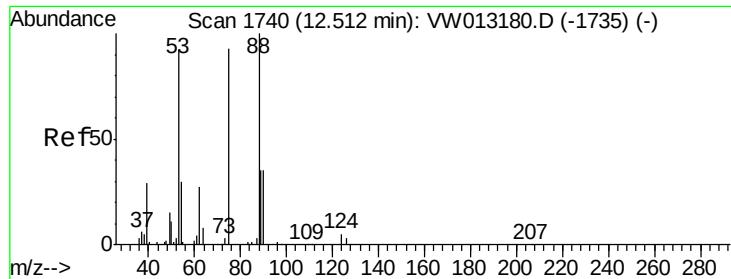
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 150.103 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW013285.D

Acq: 24 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

BU-03-092419

Tgt Ion: 75 Resp: 7274

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

