

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013284.D
 Acq On : 24 Sep 2019 18:39
 Operator : SY/VA
 Sample : K4657-01
 Misc : 3.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BU-02-092419

Quant Time: Sep 25 07:13:09 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	329291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	155008	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	138091	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	7.88	113	135235	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.32	98	554198	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	162492	42.42	ug/l	0.00
Spiked Amount			Recovery	=	84.84%	

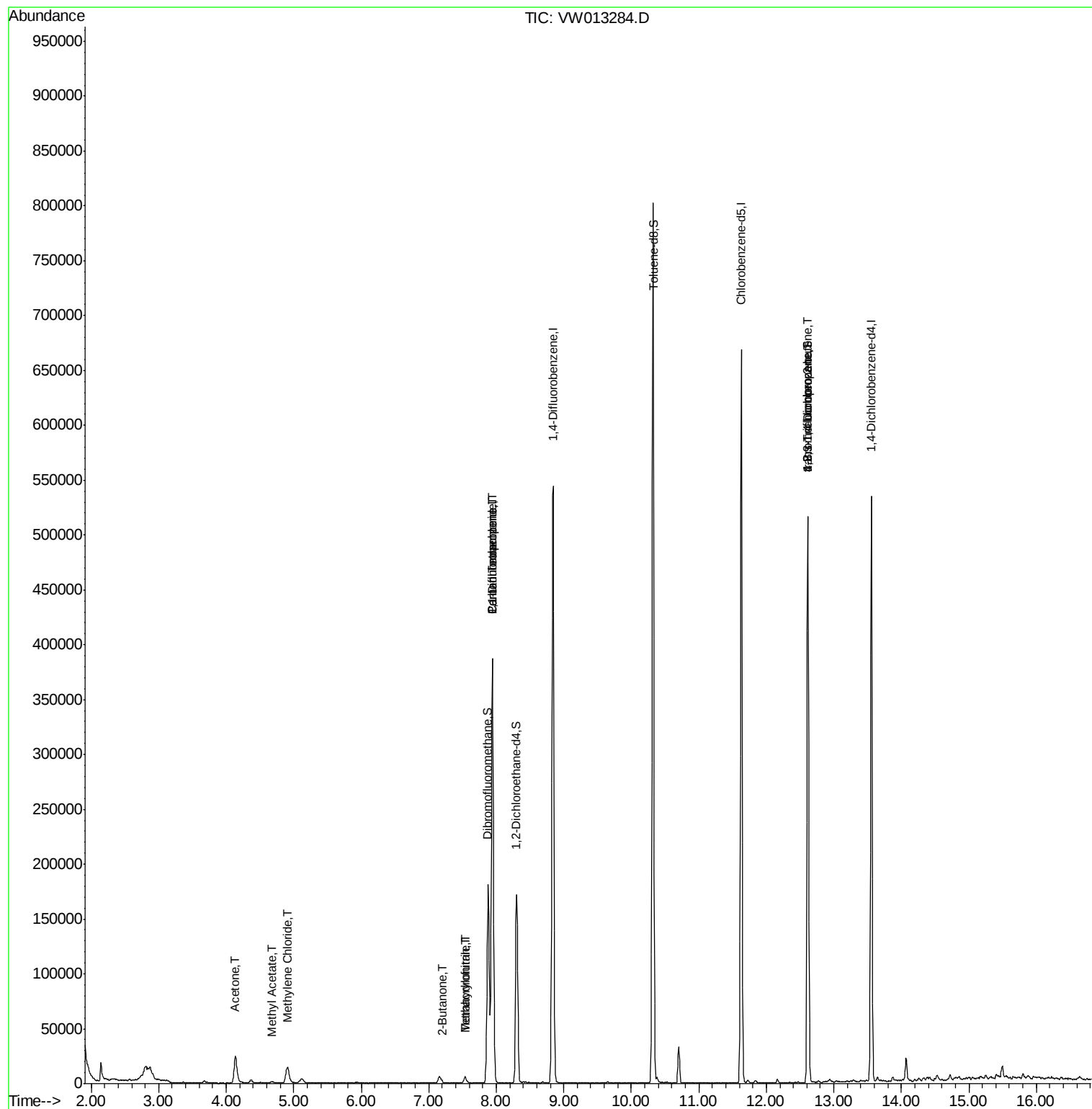
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	168	Below Cal	#	73
16) Acetone	4.14	43	49426	81.553	ug/l	100
18) Methyl Acetate	4.67	43	3322	1.950	ug/l	95
20) Methylene Chloride	4.91	84	12829	1.310	ug/l	97
25) 2-Butanone	7.19	43	1721	1.892	ug/l	93
26) 2,2-Dichloropropane	7.16	77	178	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	4577	8.203	ug/l	96
36) 1,1-Dichloropropene	7.94	75	21212	4.495	ug/l	# 49
38) Carbon Tetrachloride	7.95	117	28013	6.622	ug/l	# 17
41) Methacrylonitrile	7.55	41	2702	2.257	ug/l	# 49
76) 1,2,3-Trichloropropane	12.62	75	75546	55.186	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	75546	123.833	ug/l	# 12

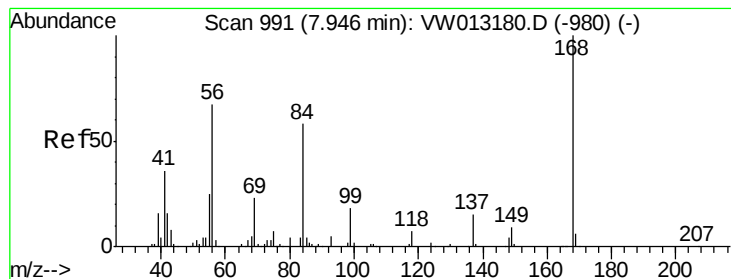
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampled :

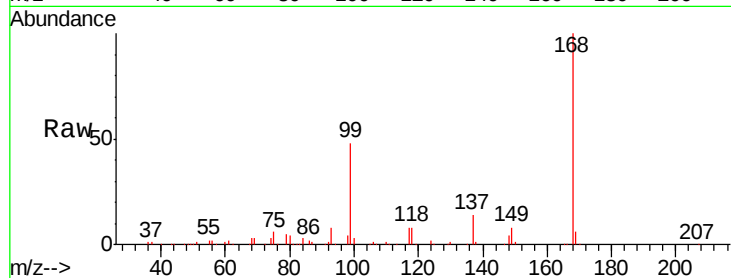
BU-02-092419

Tgt Ion:168 Resp: 329291

Ion Ratio Lower Upper

168 100

99 48.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

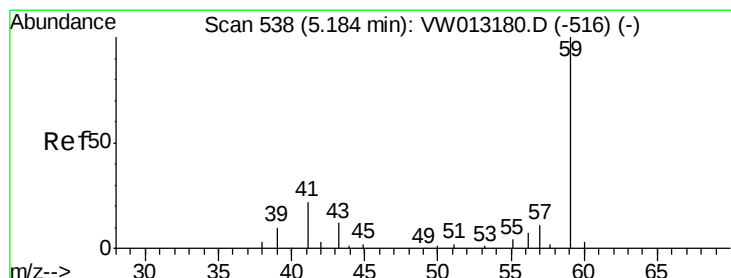
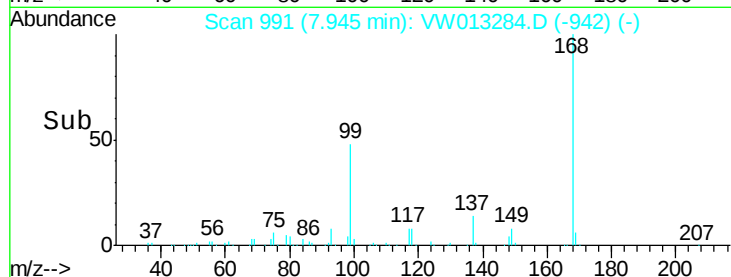
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW013284.D

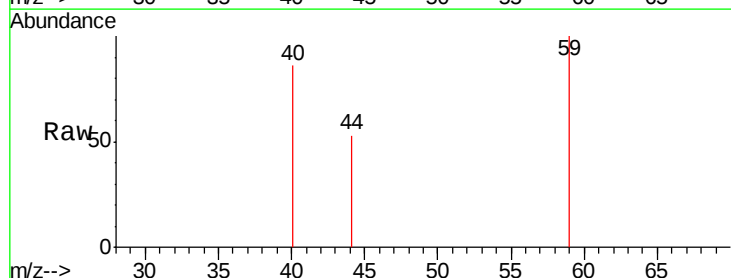
Acq: 24 Sep 2019 18:39

Tgt Ion: 59 Resp: 168

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

5.21

400

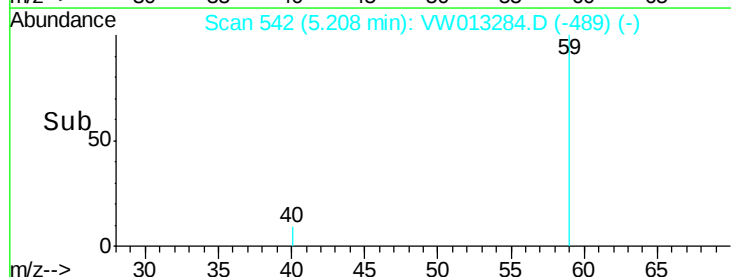
300

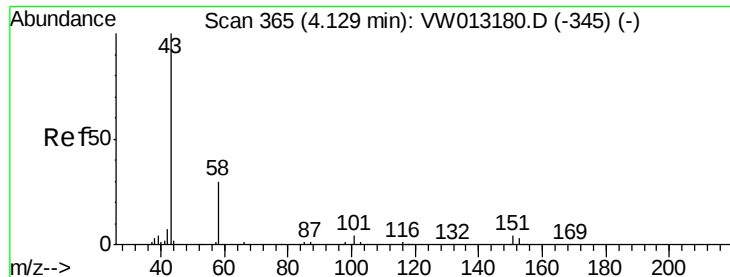
200

100

0

Time-->





#16

Acetone

Concen: 81.553 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampled :

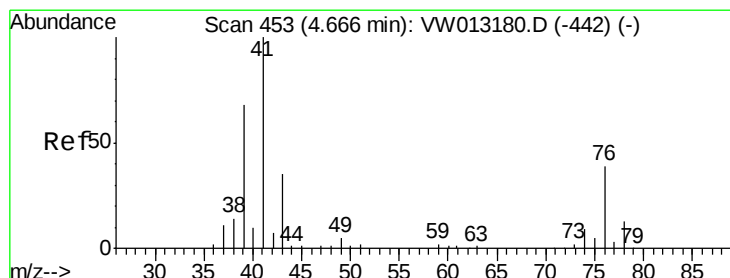
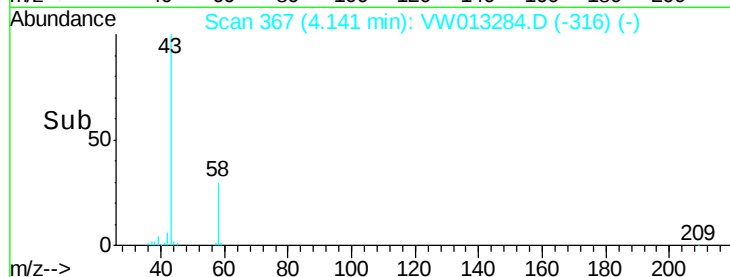
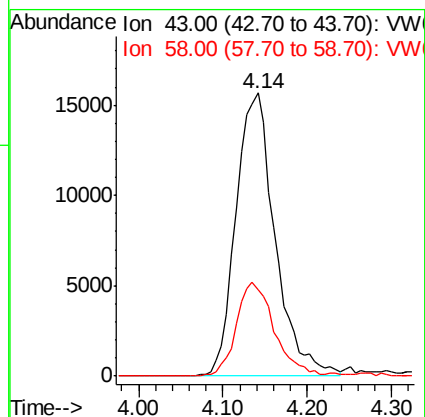
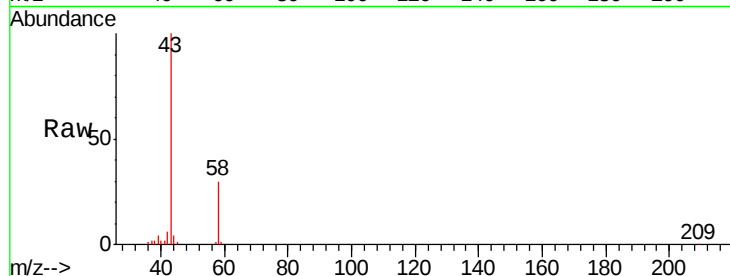
BU-02-092419

Tgt Ion: 43 Resp: 49426

Ion Ratio Lower Upper

43 100

58 30.3 24.1 36.1



#18

Methyl Acetate

Concen: 1.950 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013284.D

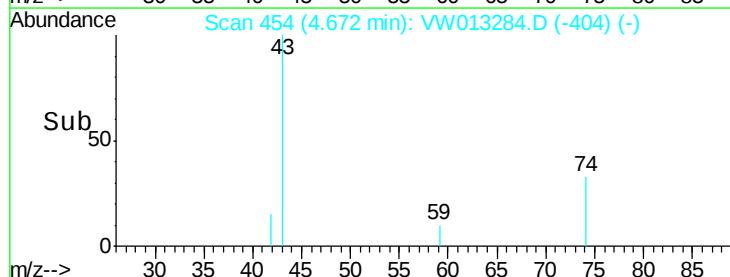
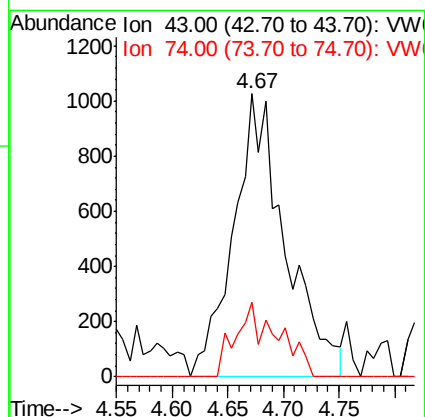
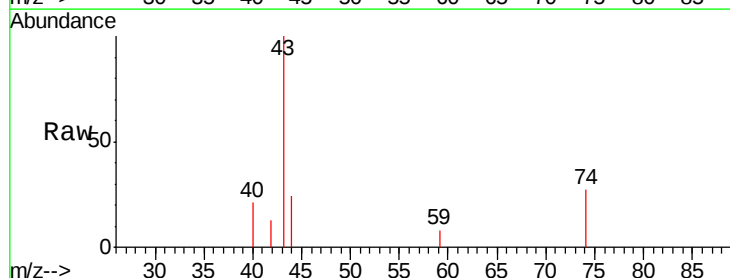
Acq: 24 Sep 2019 18:39

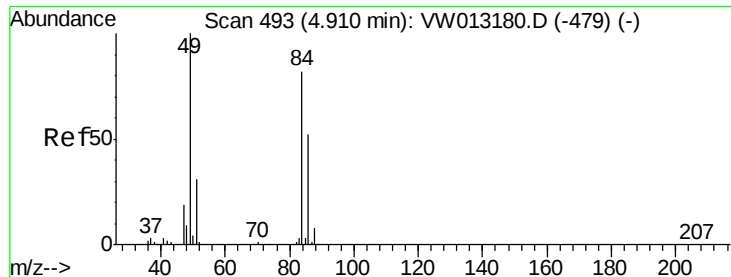
Tgt Ion: 43 Resp: 3322

Ion Ratio Lower Upper

43 100

74 21.6 19.3 28.9





#20

Methylene Chloride

Concen: 1.310 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

BU-02-092419

Tgt Ion: 84 Resp: 12829

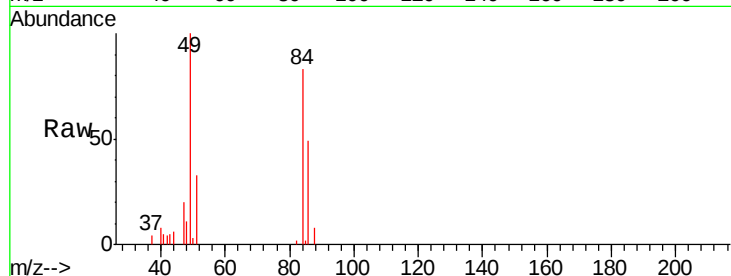
Ion Ratio Lower Upper

84 100

49 120.6 97.6 146.4

51 39.7 30.2 45.2

86 59.0 50.6 76.0

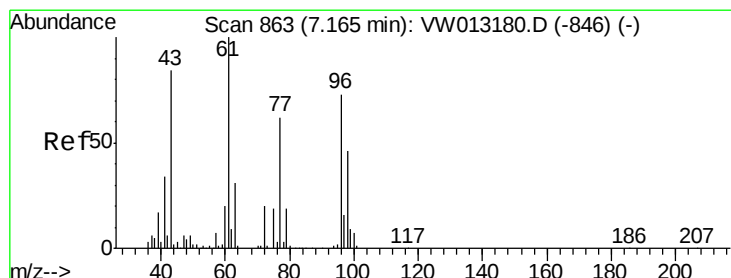
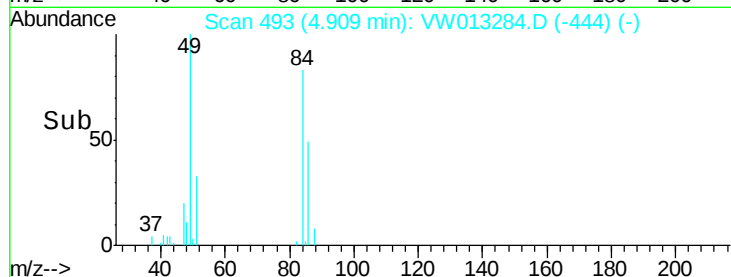
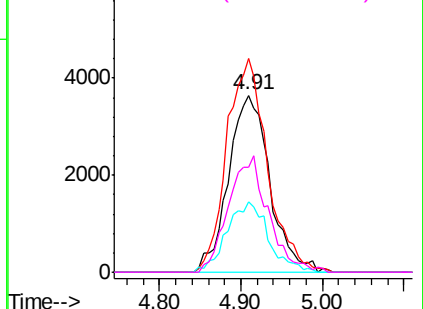


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.892 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013284.D

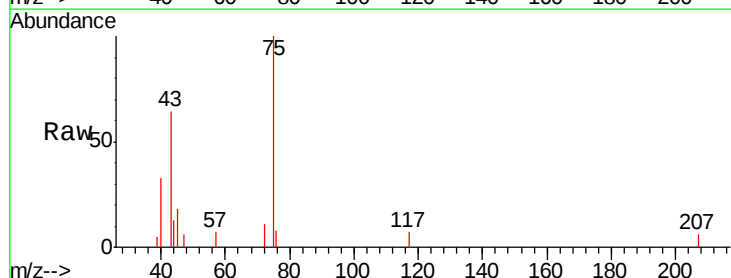
Acq: 24 Sep 2019 18:39

Tgt Ion: 43 Resp: 1721

Ion Ratio Lower Upper

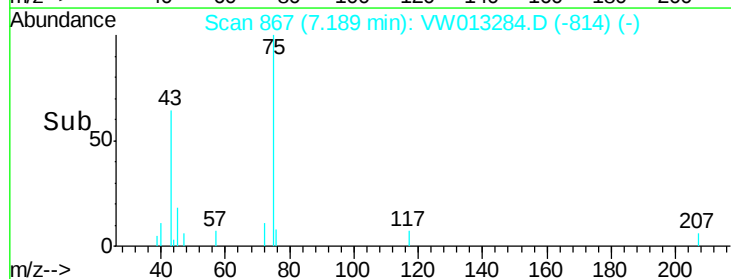
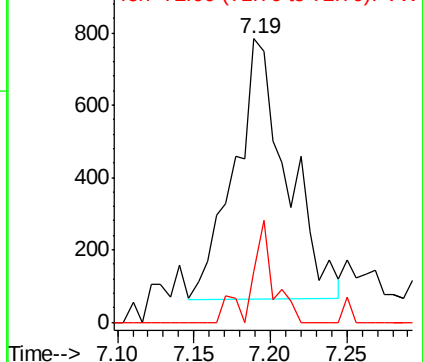
43 100

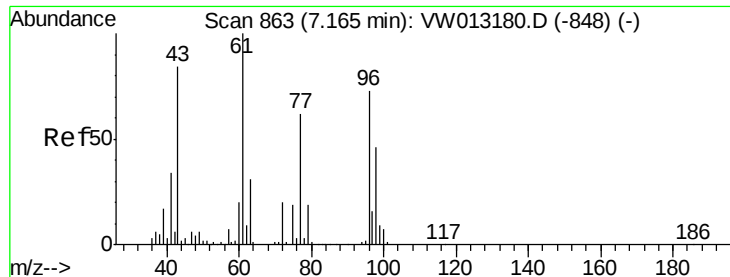
72 20.9 19.4 29.0



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: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

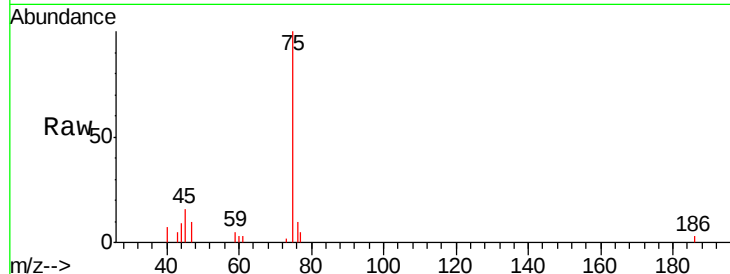
BU-02-092419

Tgt Ion: 77 Resp: 178

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

150

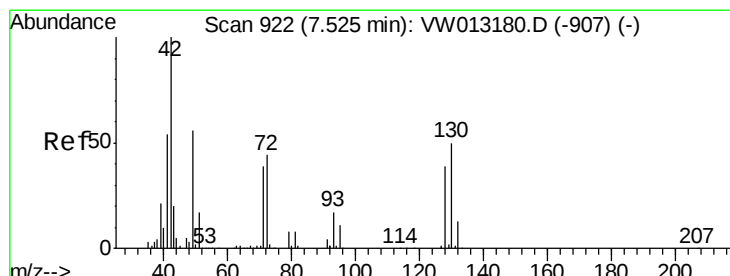
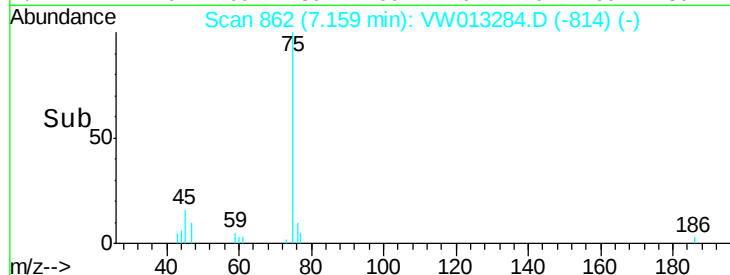
100

50

0

7.14 7.16 7.18 7.20

Time-->



#29

Tetrahydrofuran

Concen: 8.203 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

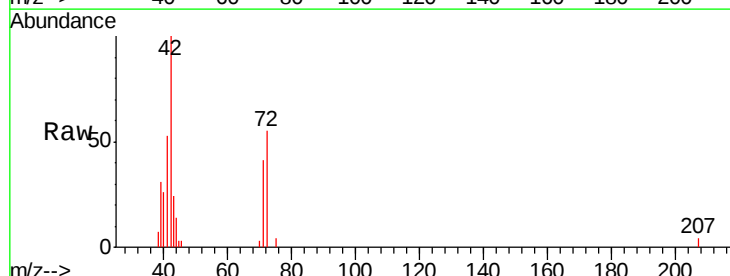
Tgt Ion: 42 Resp: 4577

Ion Ratio Lower Upper

42 100

72 44.4 33.9 50.9

71 42.9 31.9 47.9



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

2500

2000

1500

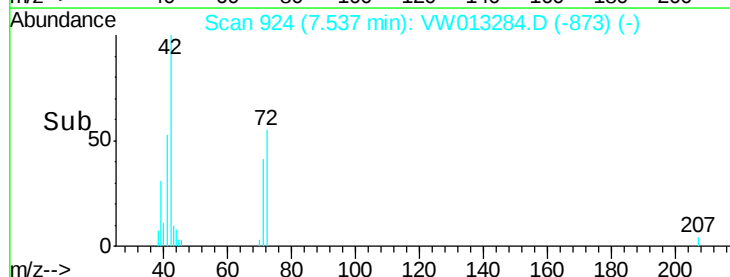
1000

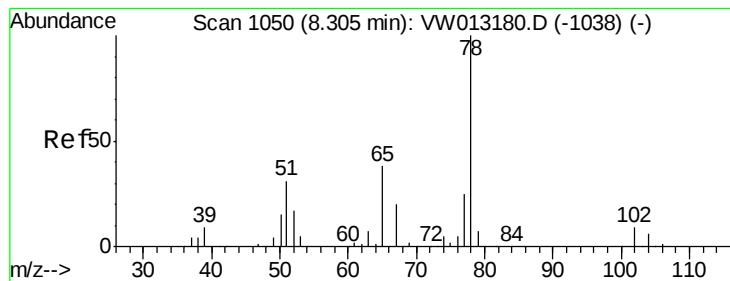
500

0

7.45 7.50 7.55 7.60 7.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.383 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

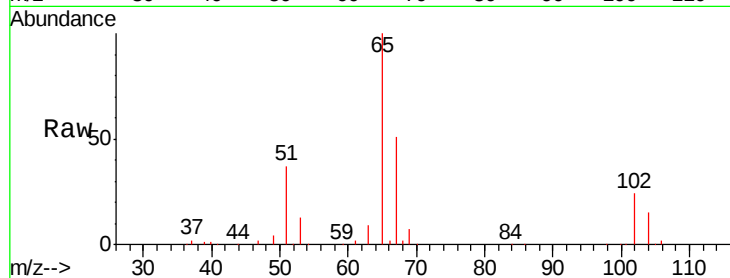
BU-02-092419

Tgt Ion: 65 Resp: 138091

Ion Ratio Lower Upper

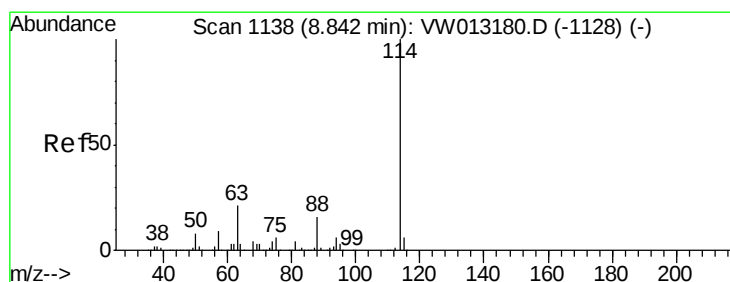
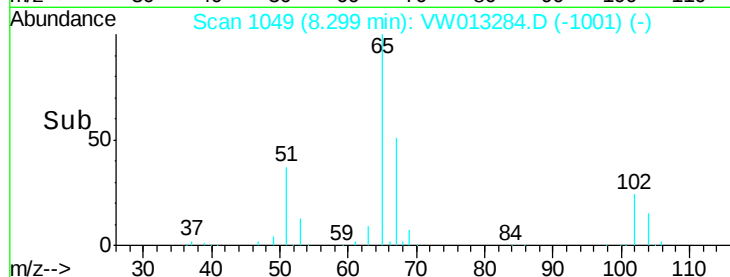
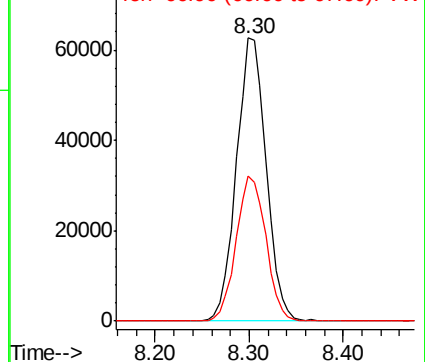
65 100

67 51.3 0.0 106.2



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: VW013284.D

Acq: 24 Sep 2019 18:39

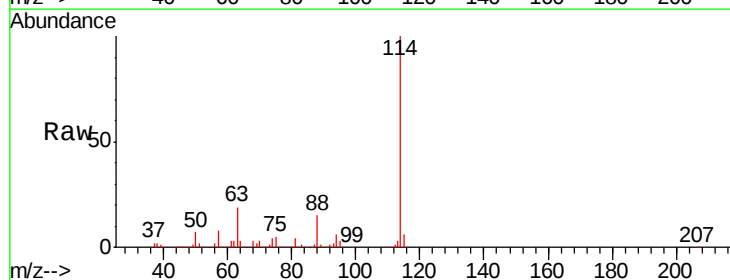
Tgt Ion: 114 Resp: 487217

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

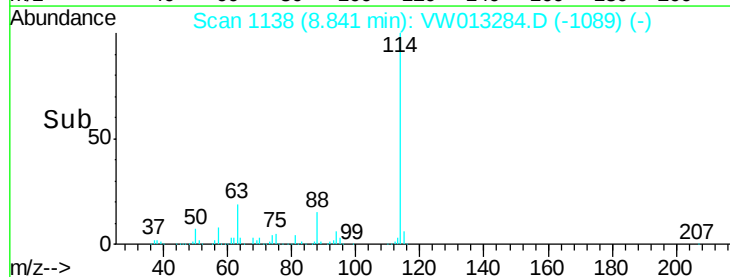
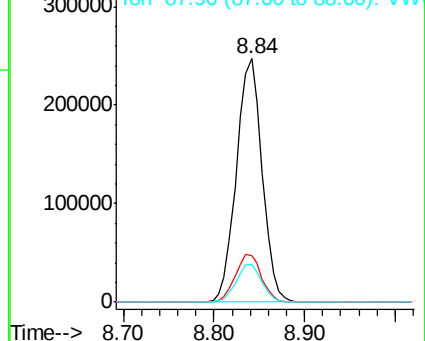
88 15.3 0.0 32.0

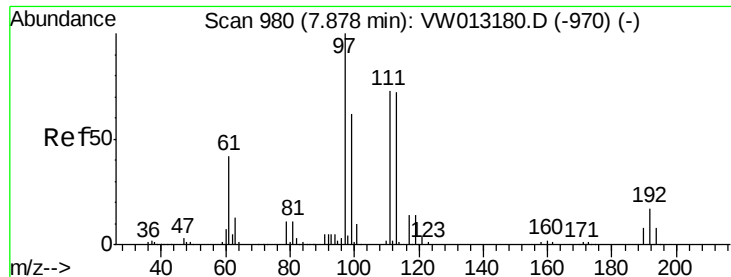


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

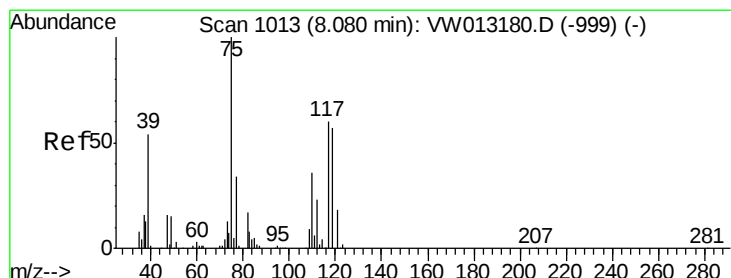
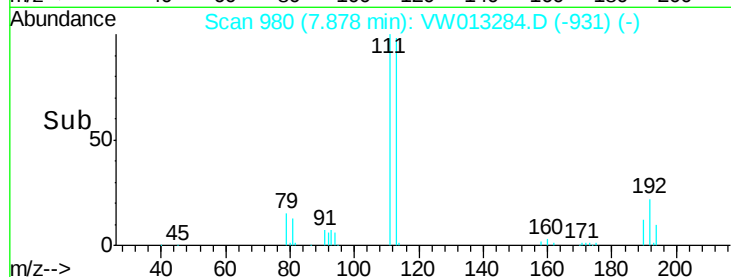
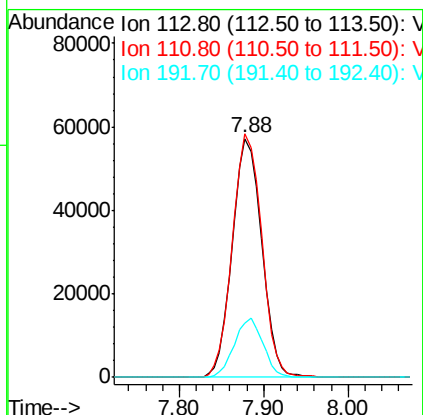
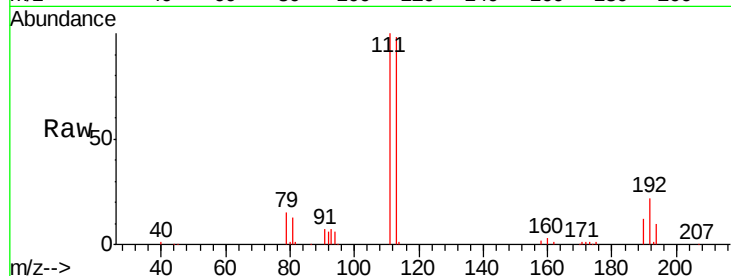




#35
 Dibromofluoromethane
 Concen: 50.467 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013284.D
 Acq: 24 Sep 2019 18:39

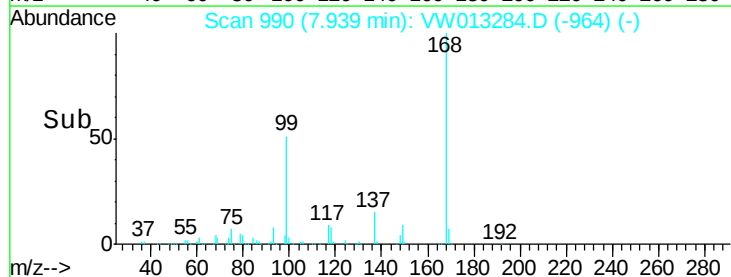
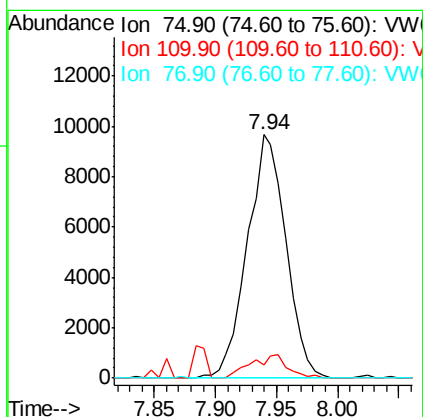
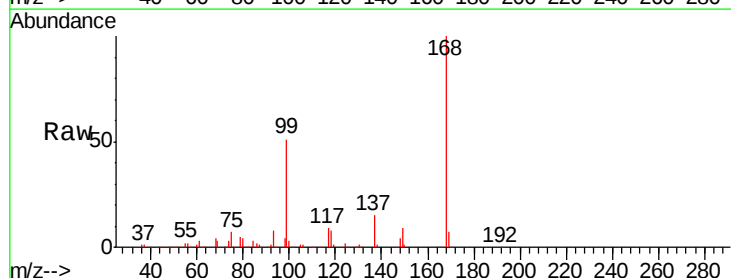
Instrument :
 MSVOA_W
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 BU-02-092419

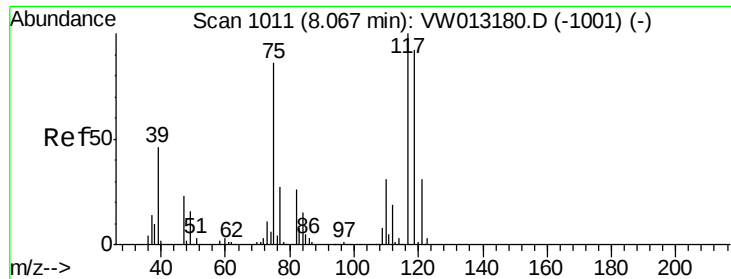
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	135235		
111	101.6	81.9	122.9	
192	24.0	19.1	28.7	



#36
 1,1-Dichloropropene
 Concen: 4.495 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013284.D
 Acq: 24 Sep 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21212		
110	9.2	18.1	54.3#	
77	0.0	25.8	38.6#	





#38

Carbon Tetrachloride

Concen: 6.622 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

BU-02-092419

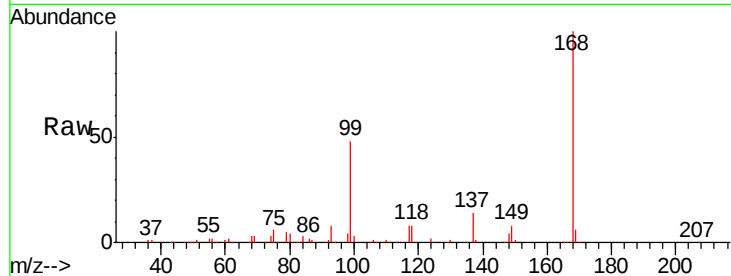
Tgt Ion:117 Resp: 28013

Ion Ratio Lower Upper

117 100

119 4.8 73.5 110.3#

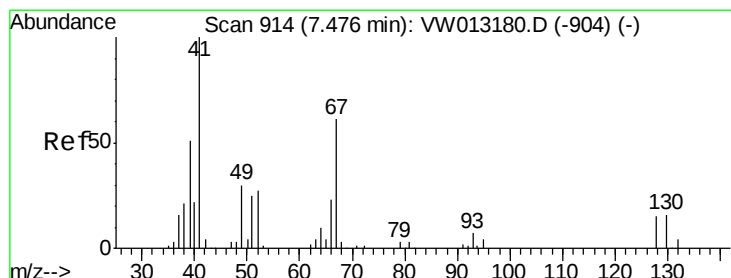
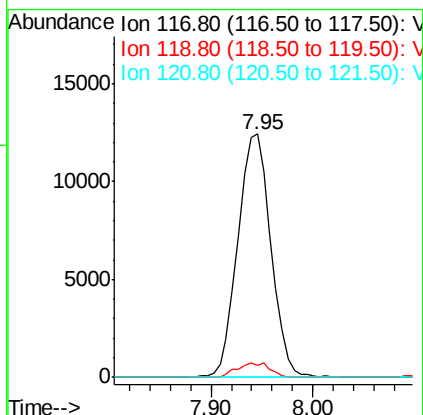
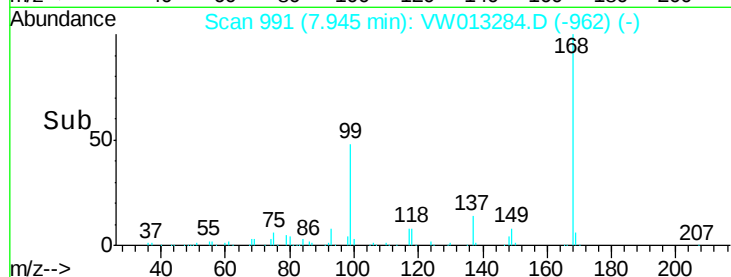
121 0.0 25.0 37.6#



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



#41

Methacrylonitrile

Concen: 2.257 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.07 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Tgt Ion: 41 Resp: 2702

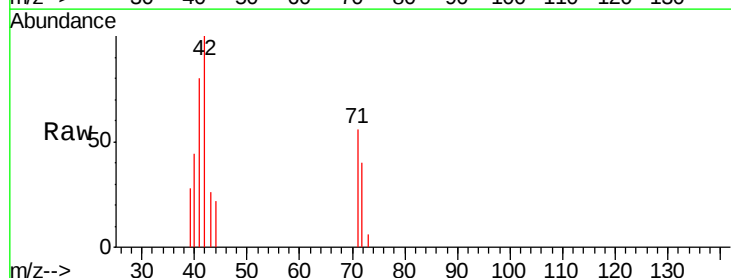
Ion Ratio Lower Upper

41 100

39 50.2 45.9 68.9

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

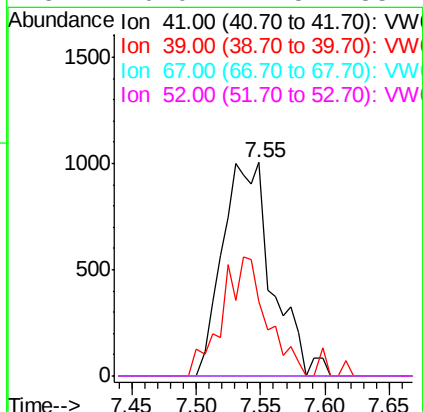
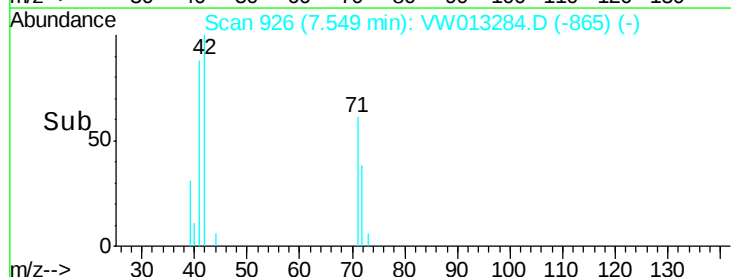


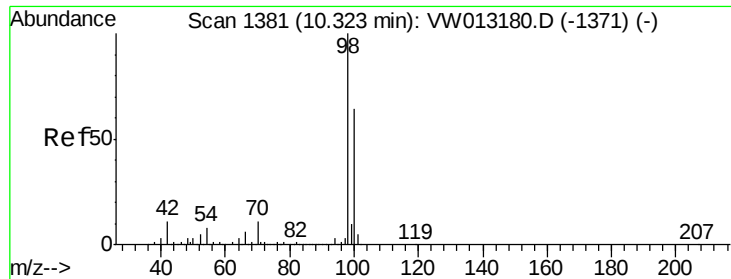
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 49.416 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

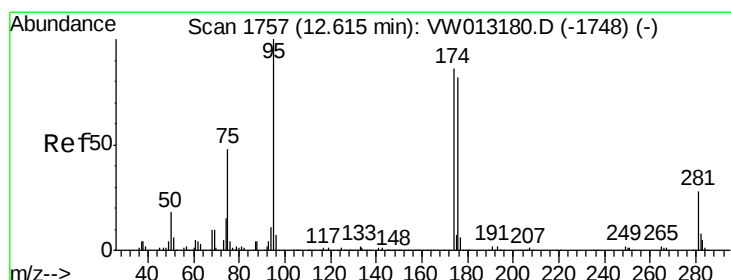
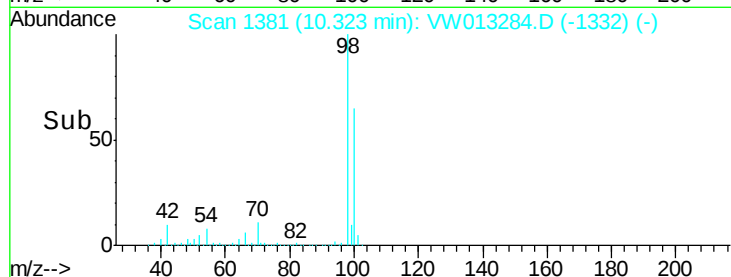
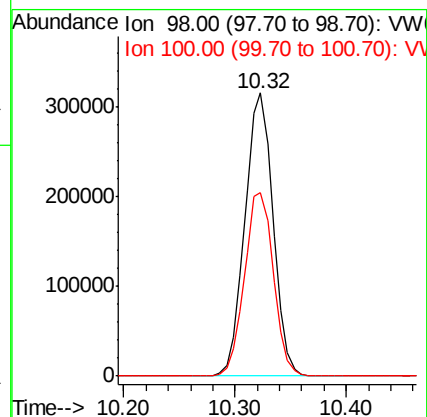
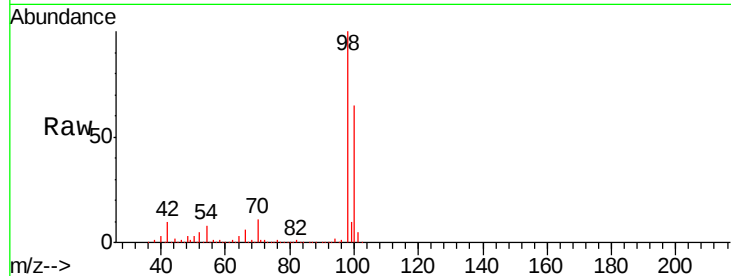
BU-02-092419

Tgt Ion: 98 Resp: 554198

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 42.416 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

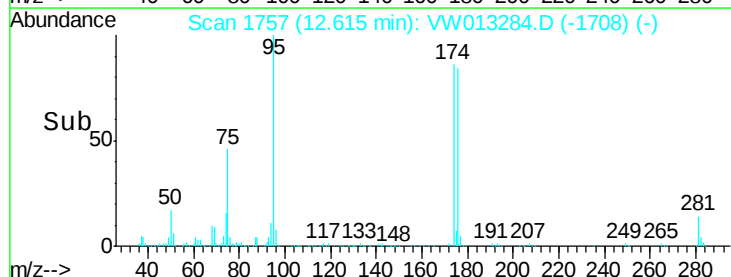
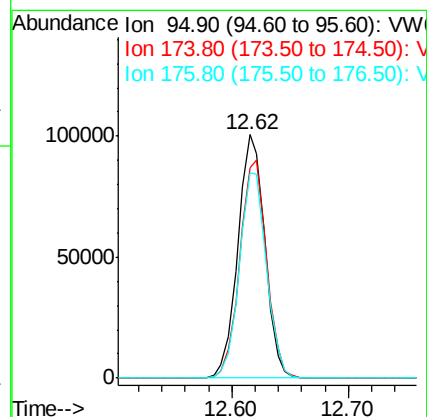
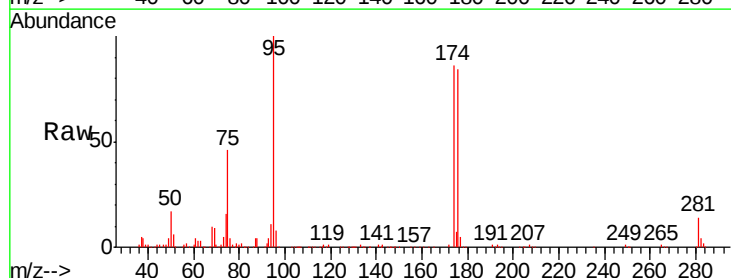
Tgt Ion: 95 Resp: 162492

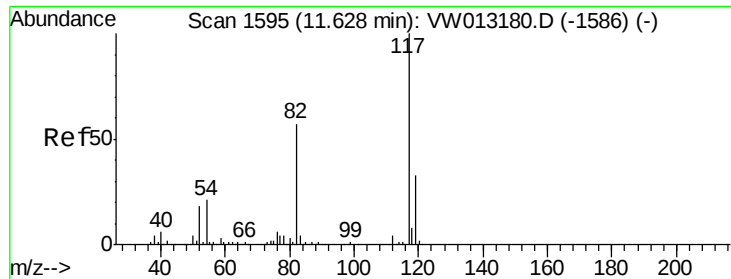
Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.4

176 84.9 0.0 172.2

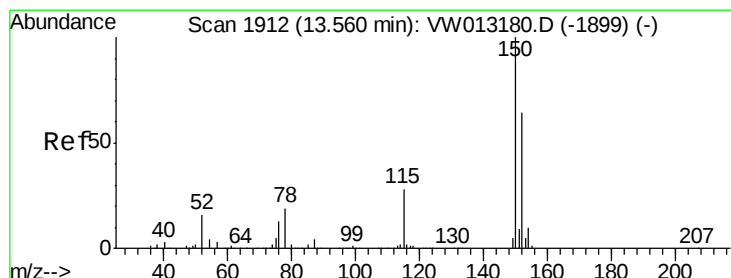
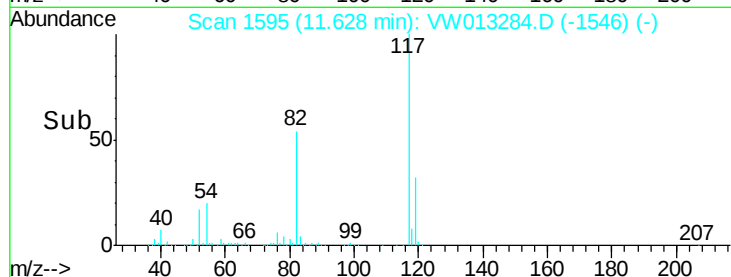
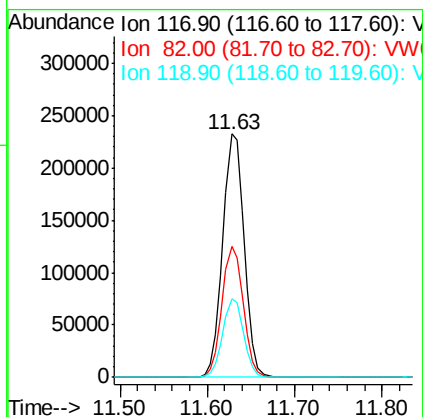
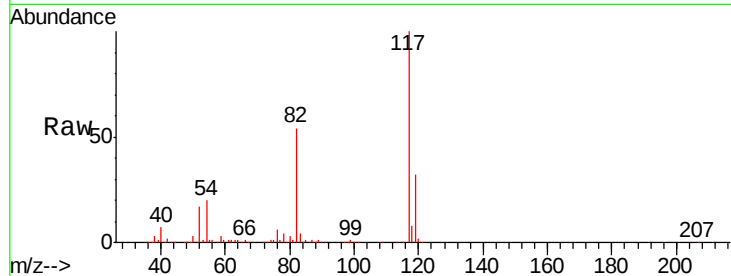




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013284.D
Acq: 24 Sep 2019 18:39

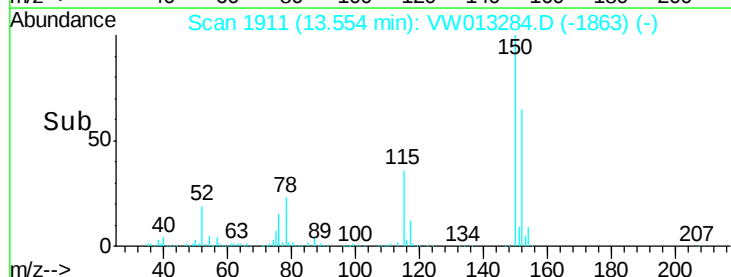
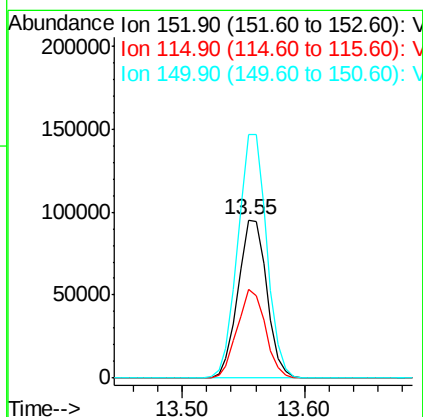
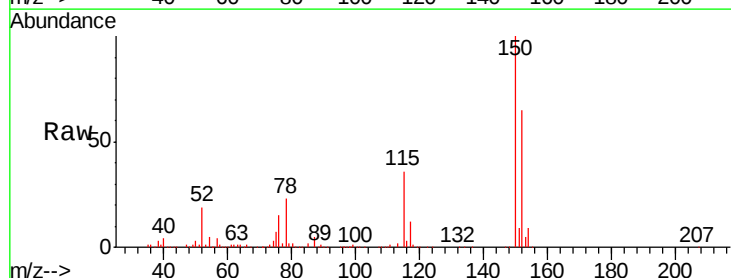
Instrument :
MSVOA_W
ClientSampleId :
BU-02-092419

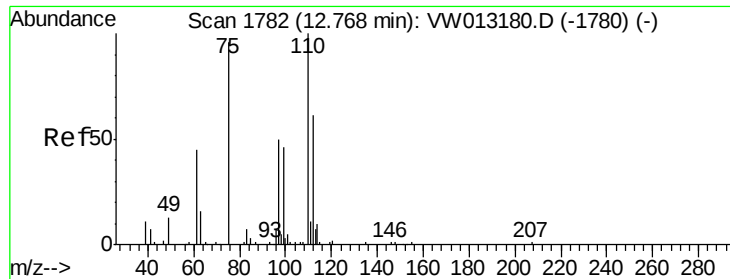
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	32.3	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013284.D
Acq: 24 Sep 2019 18:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	154.8	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 55.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampled :

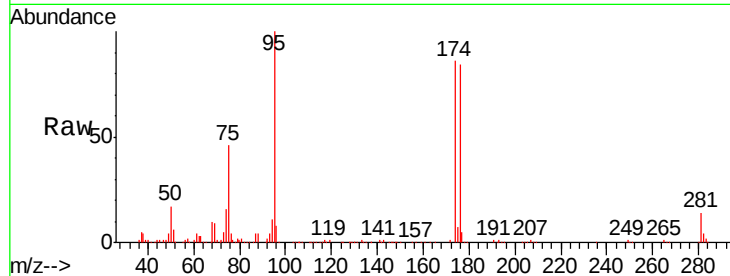
BU-02-092419

Tgt Ion: 75 Resp: 75546

Ion Ratio Lower Upper

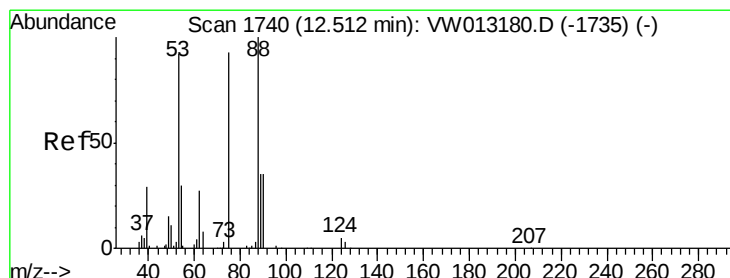
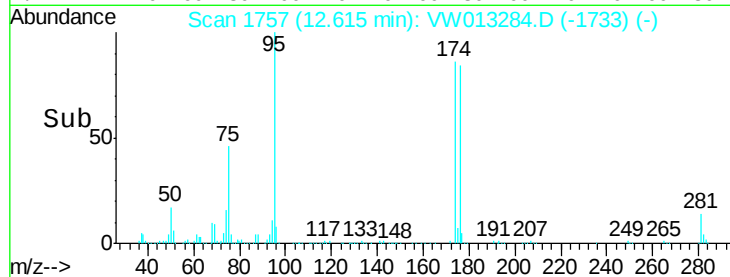
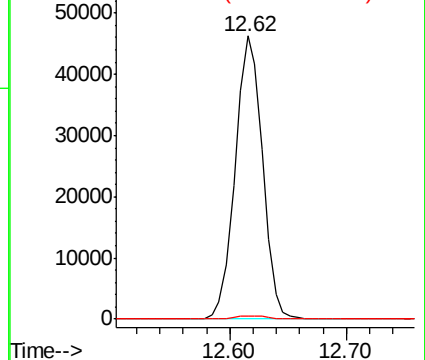
75 100

77 1.5 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: 123.833 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013284.D

Acq: 24 Sep 2019 18:39

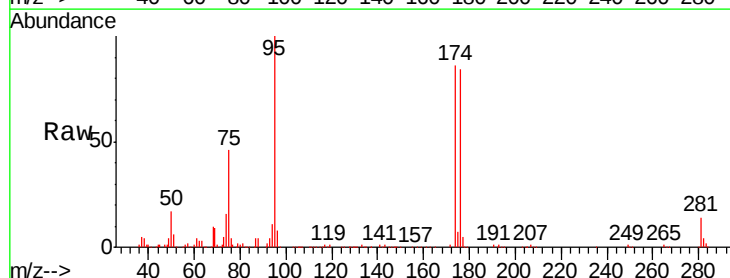
Tgt Ion: 75 Resp: 75546

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.2 33.5 50.3#



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

