

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008381.D
 Acq On : 21 Jan 2019 17:53
 Operator : SY/VA
 Sample : K1205-02RE
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

Quant Time: Jan 22 03:42:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	84404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	161010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	167584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83677	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	57359	65.33	ug/l	0.00
Spiked Amount			Recovery	=	130.66%	
35) Dibromofluoromethane	7.88	113	53690	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	10.32	98	220204	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.62	95	82486	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	

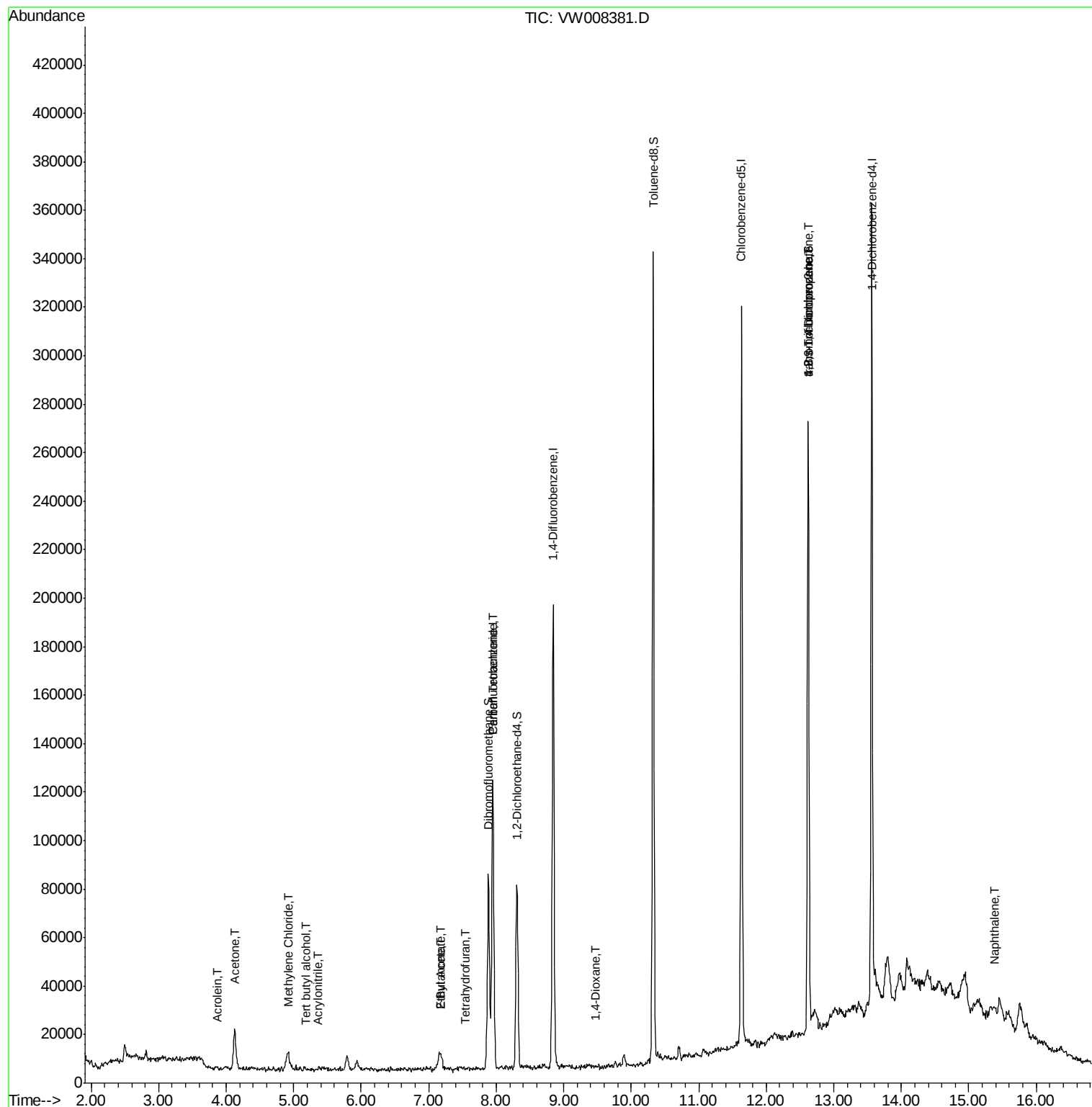
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	537	9.084	ug/l #	1
13) Acrolein	3.87	56	264	11.948	ug/l	89
15) Acrylonitrile	5.35	53	255	1.309	ug/l #	24
16) Acetone	4.12	43	29179	143.103	ug/l	98
20) Methylene Chloride	4.92	84	6393	3.454	ug/l	98
25) 2-Butanone	7.18	43	10303	39.451	ug/l	100
29) Tetrahydrofuran	7.54	42	503	3.089	ug/l #	57
37) Ethyl Acetate	7.18	43	10303	15.423	ug/l #	70
38) Carbon Tetrachloride	7.95	117	9005	5.630	ug/l #	19
49) 1,4-Dioxane	9.46	88	29	3.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	41689	54.709	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	41689	130.560	ug/l #	12
95) Naphthalene	15.39	128	625	2.515	ug/l #	73

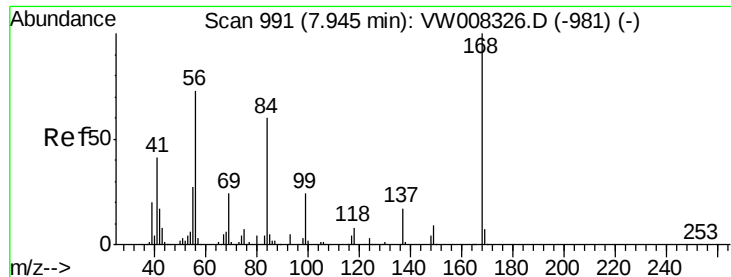
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampled :

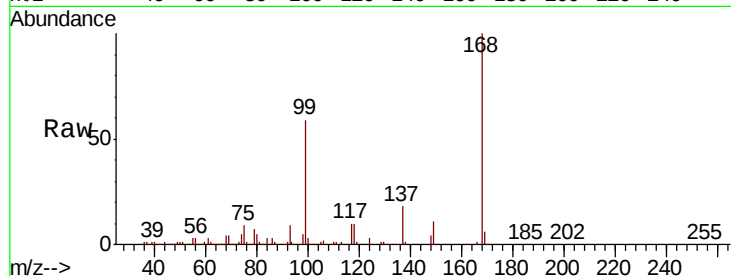
C-2RE

Tgt Ion:168 Resp: 84404

Ion Ratio Lower Upper

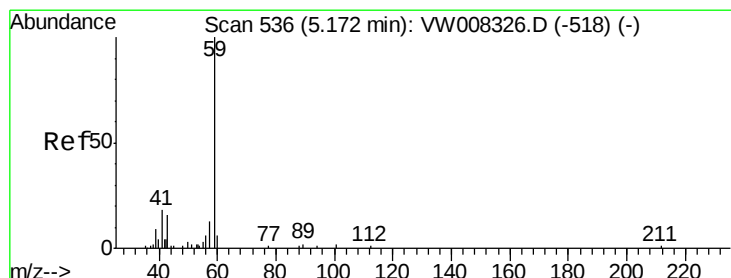
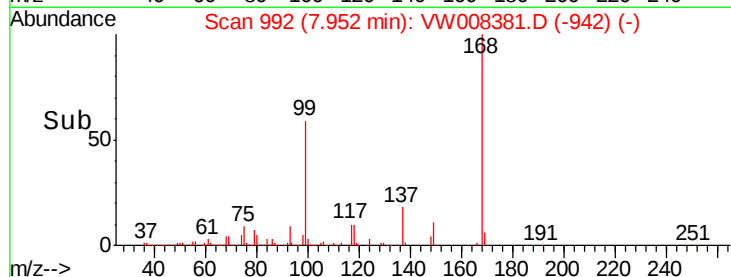
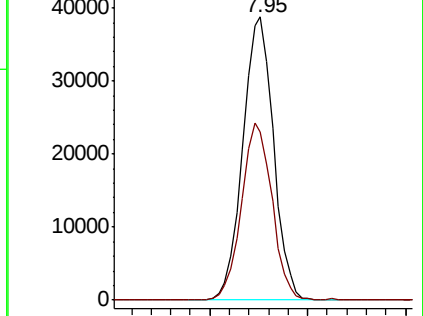
168 100

99 58.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.084 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW008381.D

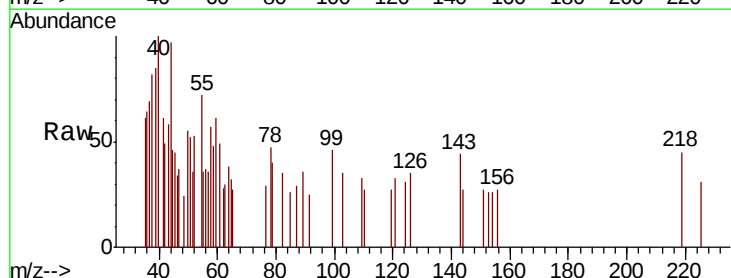
Acq: 21 Jan 2019 17:53

Tgt Ion: 59 Resp: 537

Ion Ratio Lower Upper

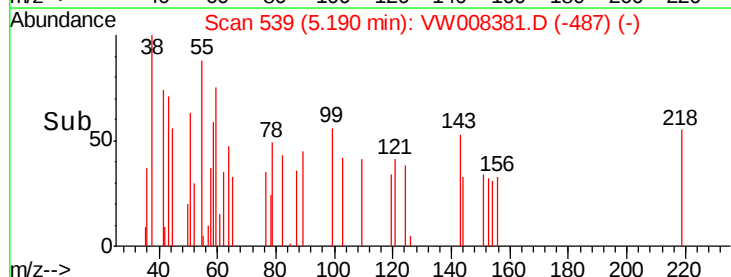
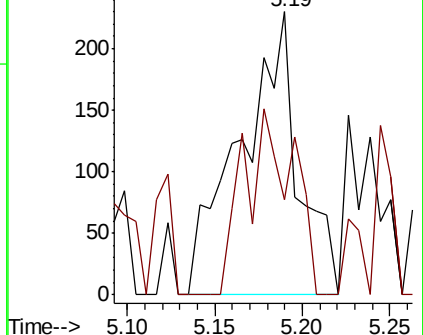
59 100

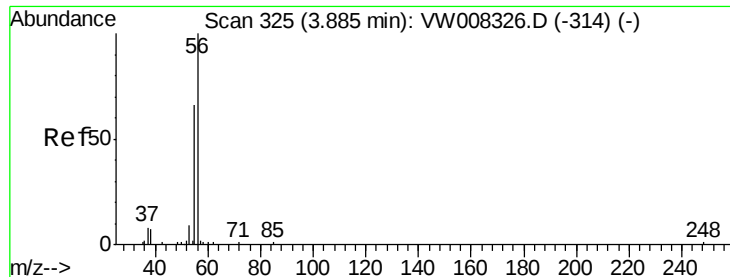
57 55.1 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 11.948 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampled :

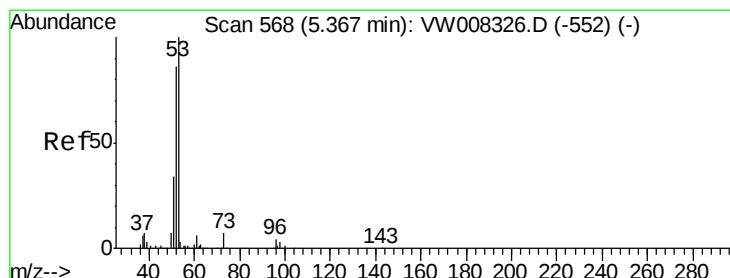
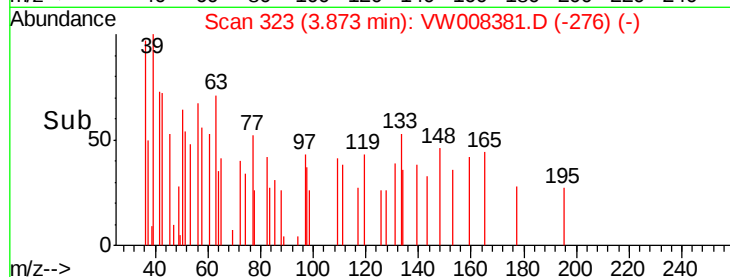
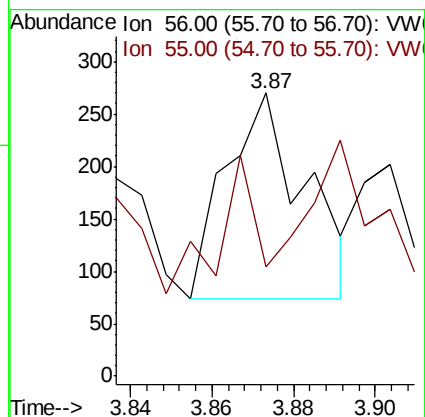
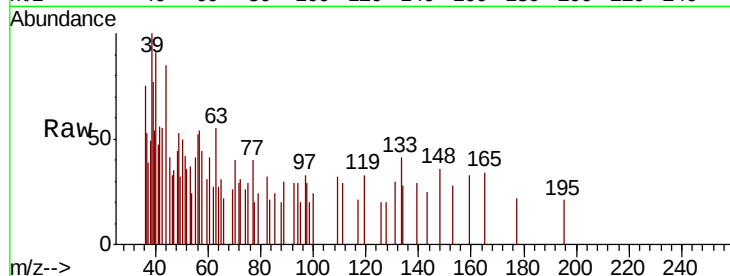
C-2RE

Tgt Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 75.0 52.9 79.3



#15

Acrylonitrile

Concen: 1.309 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

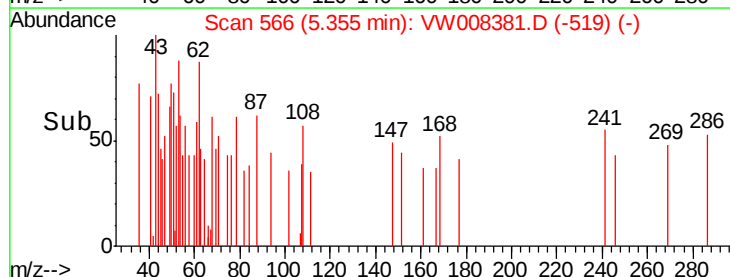
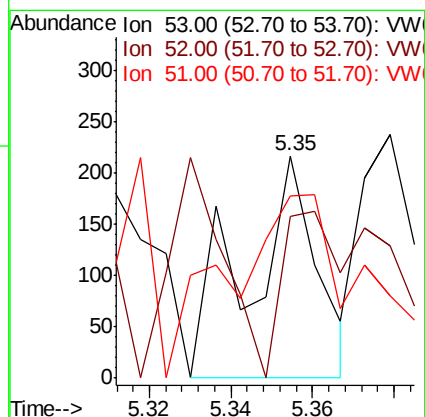
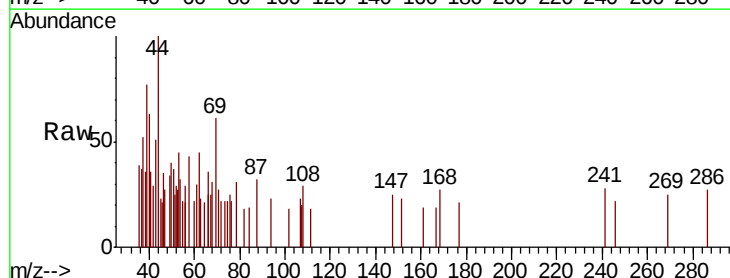
Tgt Ion: 53 Resp: 255

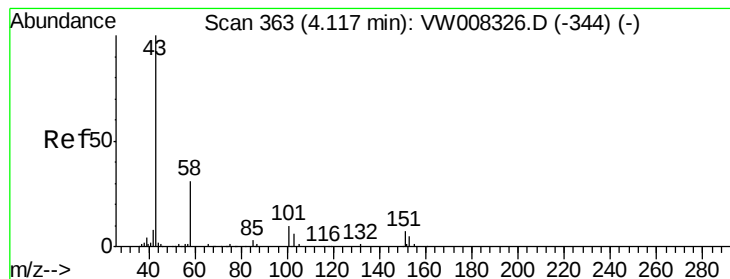
Ion Ratio Lower Upper

53 100

52 110.6 66.4 99.6#

51 143.1 29.6 44.4#





#16

Acetone

Concen: 143.103 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

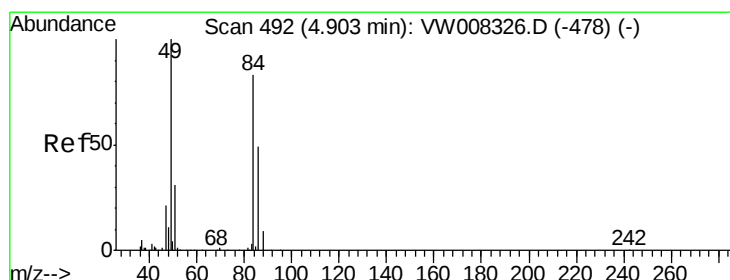
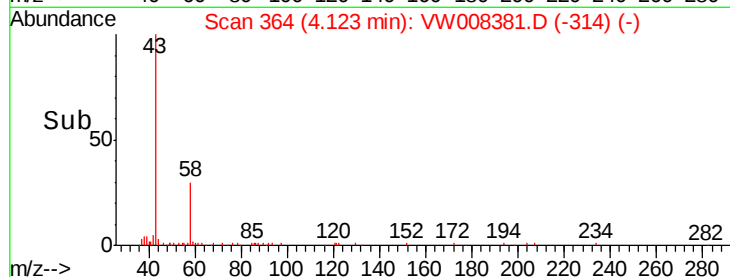
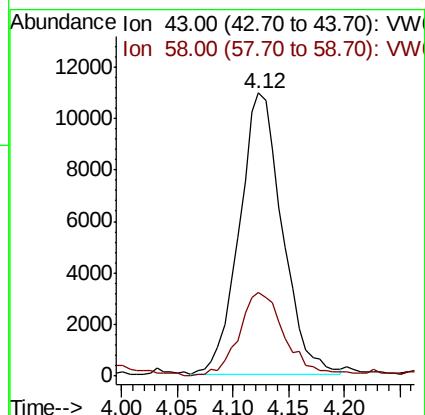
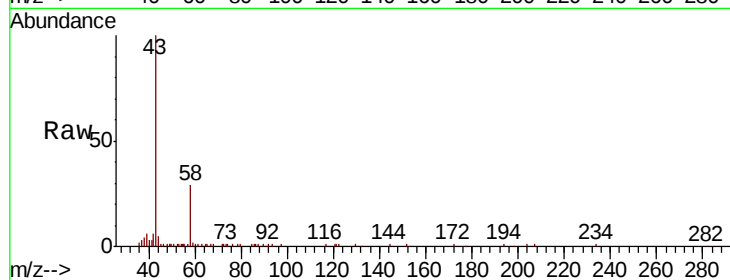
C-2RE

Tgt Ion: 43 Resp: 29179

Ion Ratio Lower Upper

43 100

58 29.6 24.7 37.1



#20

Methylene Chloride

Concen: 3.454 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.02 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Tgt Ion: 84 Resp: 6393

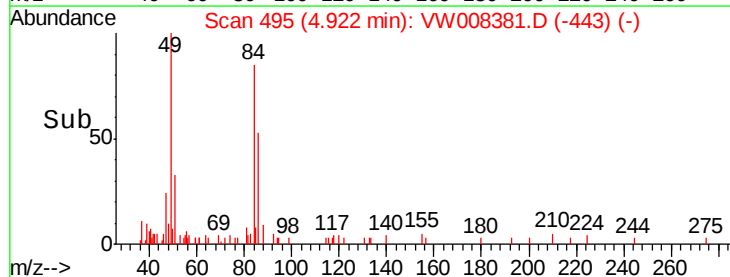
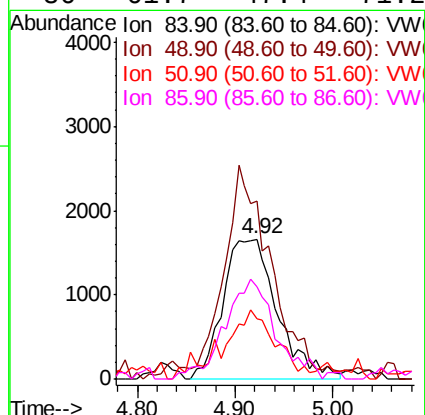
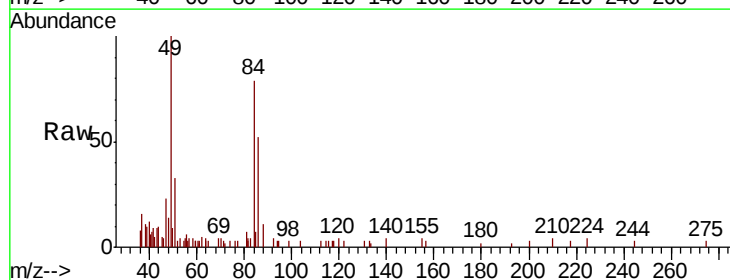
Ion Ratio Lower Upper

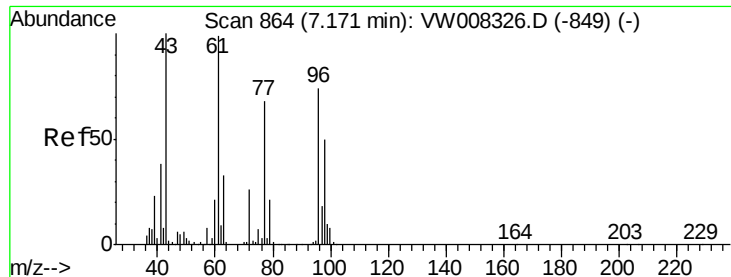
84 100

49 121.6 95.9 143.9

51 37.0 29.3 43.9

86 61.7 47.4 71.2





#25

2-Butanone

Concen: 39.451 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampled :

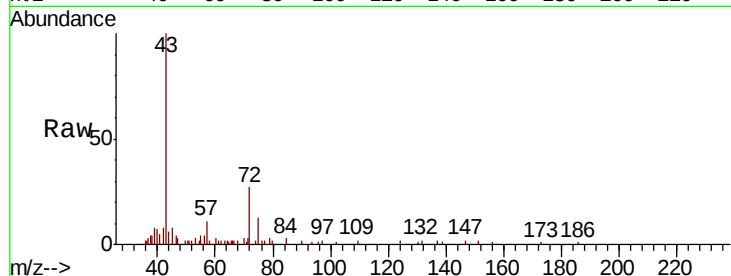
C-2RE

Tgt Ion: 43 Resp: 10303

Ion Ratio Lower Upper

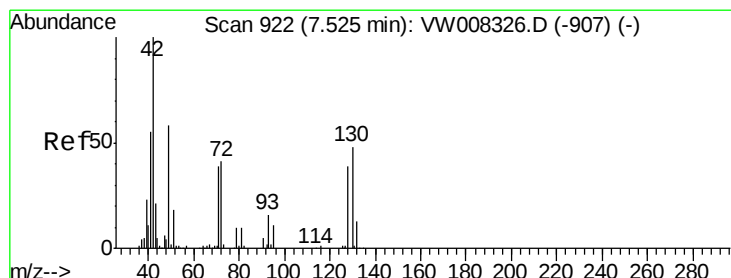
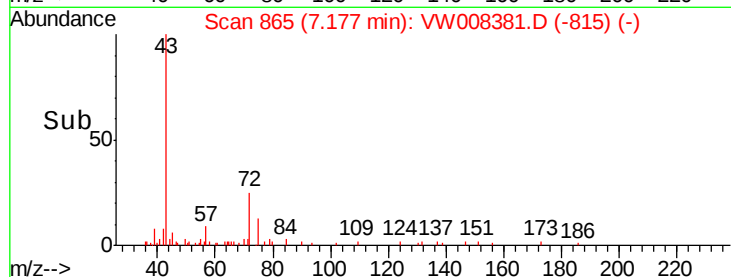
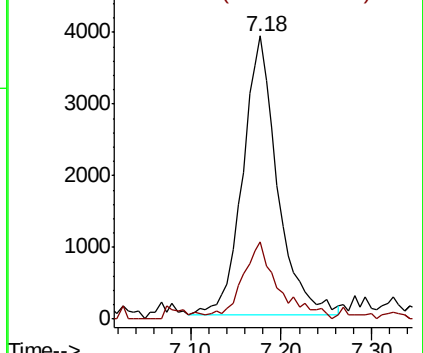
43 100

72 26.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 3.089 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

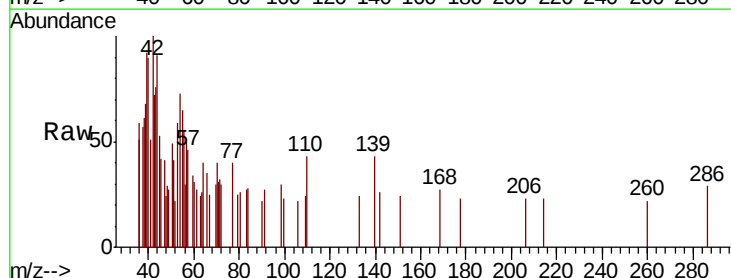
Tgt Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

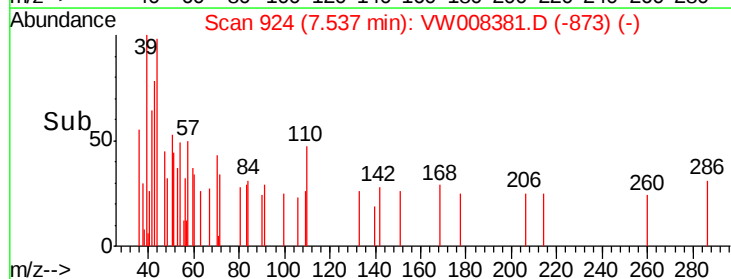
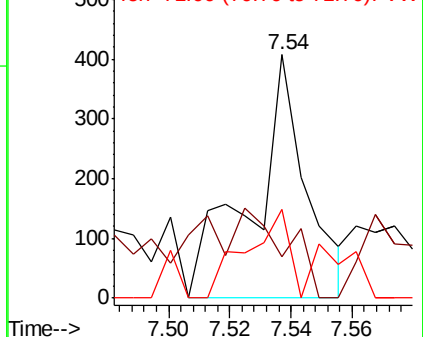
71 28.6 32.0 48.0#

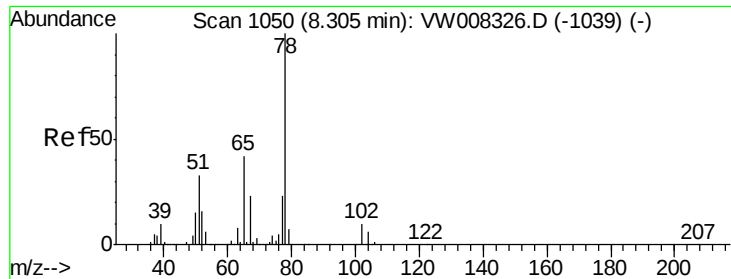


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

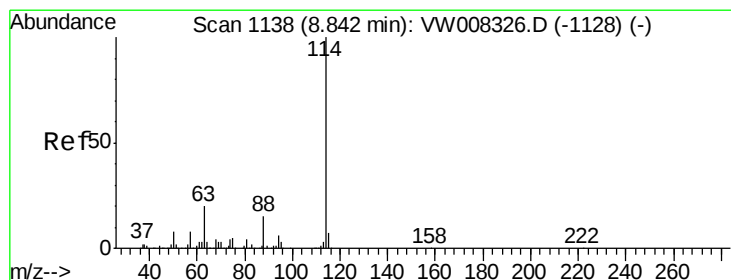
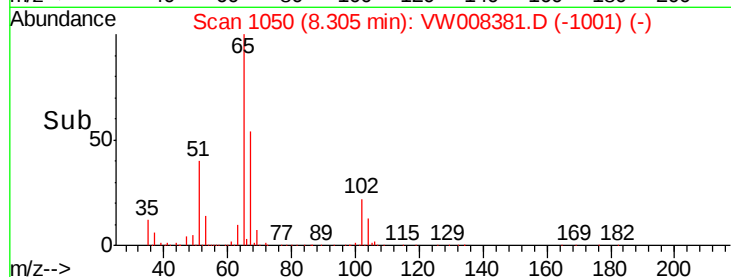
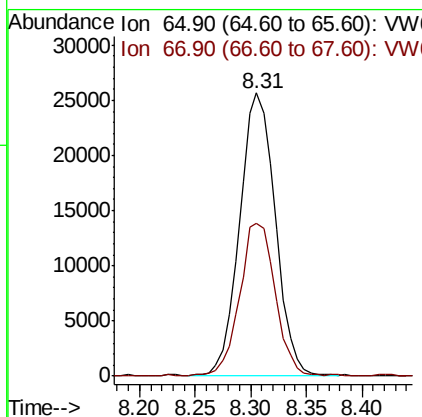
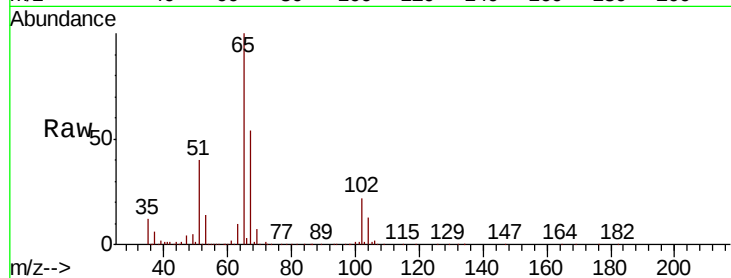




#33
 1,2-Dichloroethane-d4
 Concen: 65.330 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

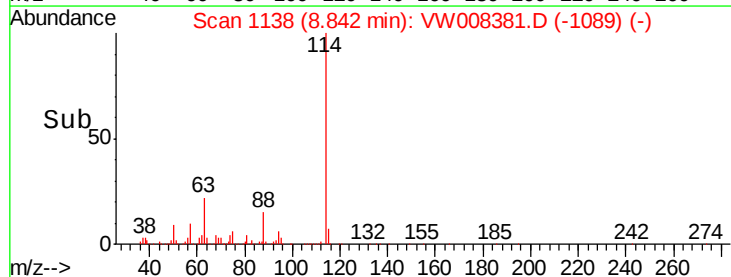
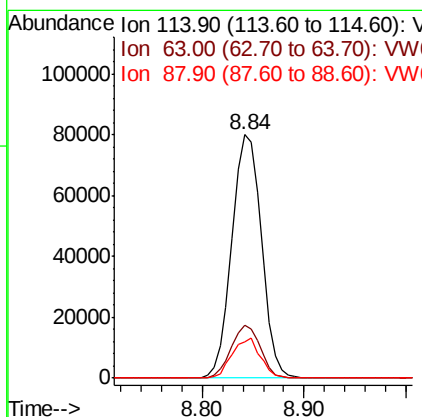
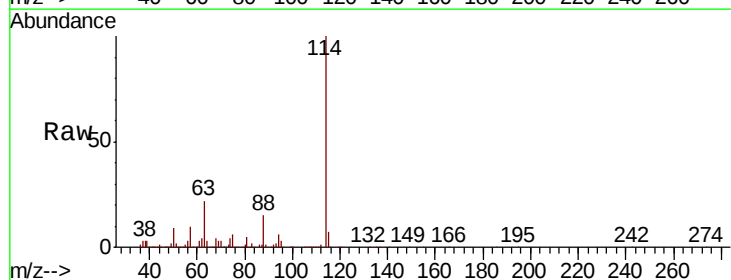
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

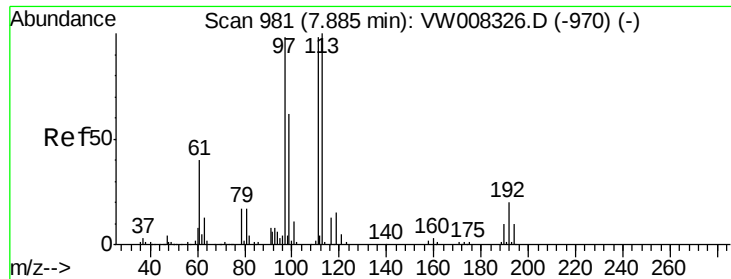
Tgt Ion: 65 Resp: 57359
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

Tgt Ion: 114 Resp: 161010
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.8
 88 15.1 0.0 30.4

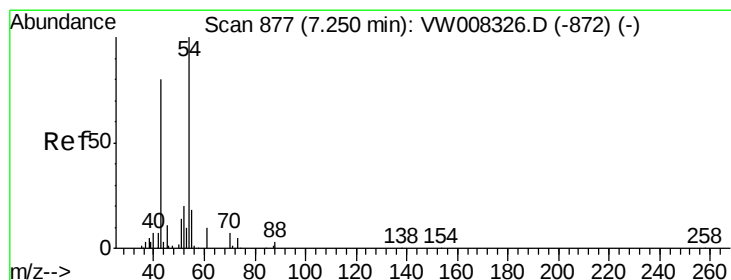
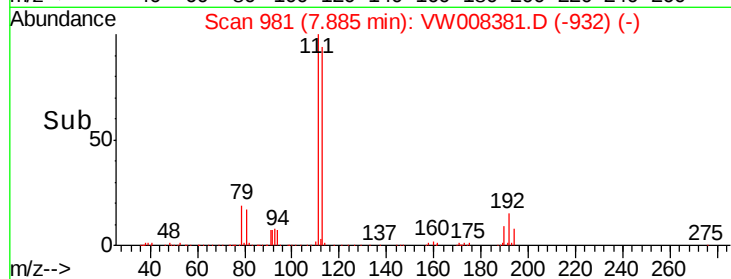
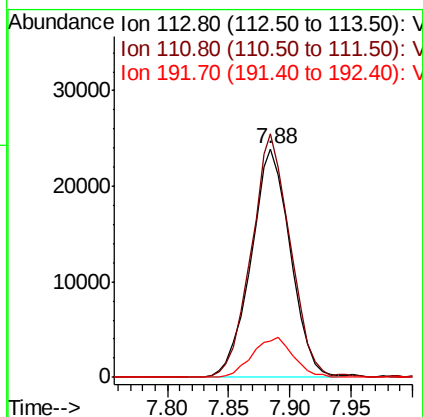
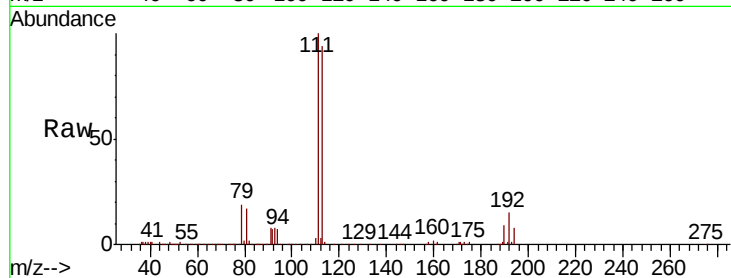




#35
 Dibromofluoromethane
 Concen: 52.239 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

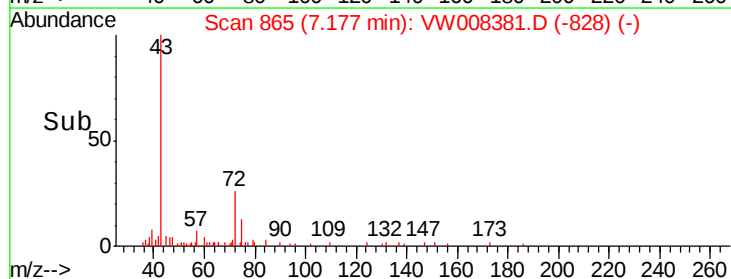
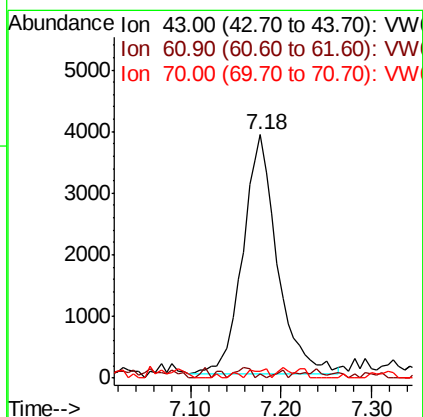
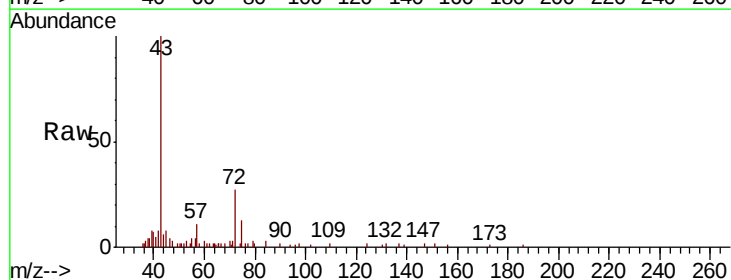
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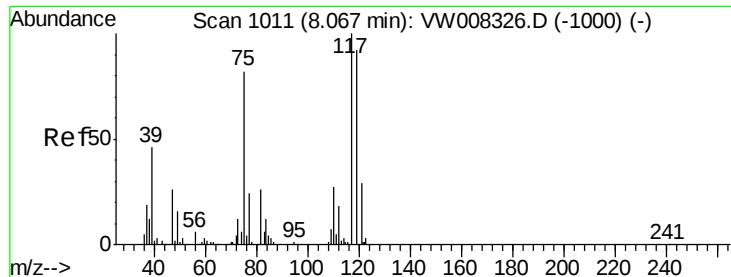
Tgt Ion:113 Resp: 53690
 Ion Ratio Lower Upper
 113 100
 111 105.3 81.8 122.8
 192 18.1 16.3 24.5



#37
 Ethyl Acetate
 Concen: 15.423 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

Tgt Ion: 43 Resp: 10303
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 2.3 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.630 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampleId :

C-2RE

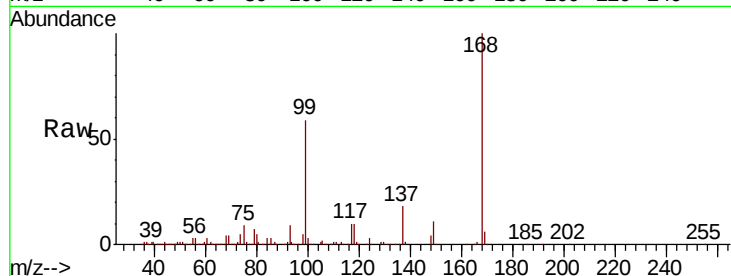
Tgt Ion:117 Resp: 9005

Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.6#

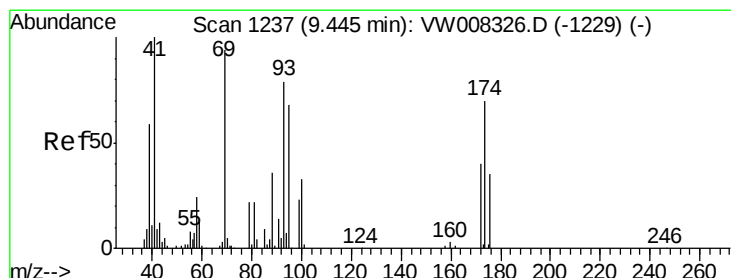
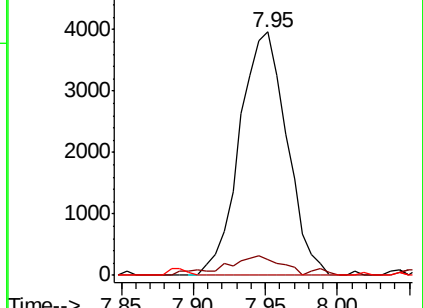
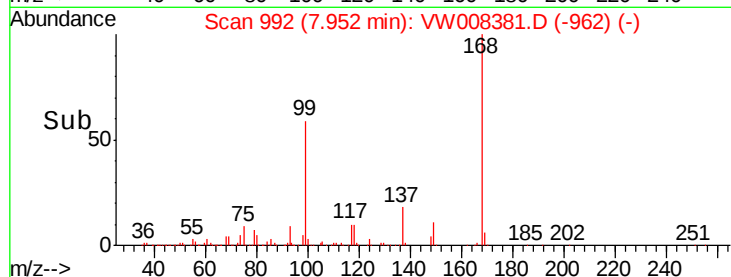
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 3.032 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

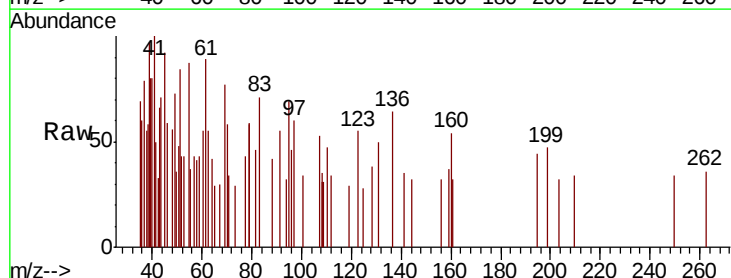
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 244.8 27.1 40.7#

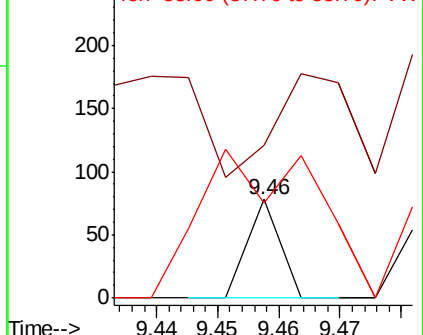
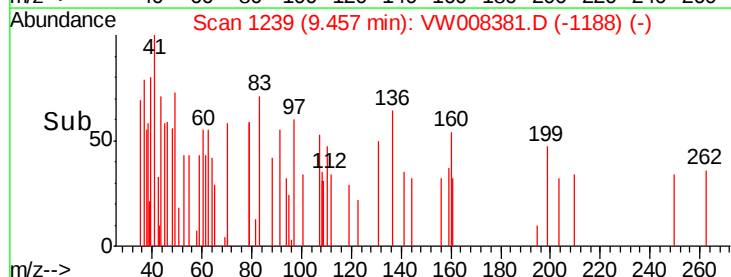
58 531.0 57.9 86.9#

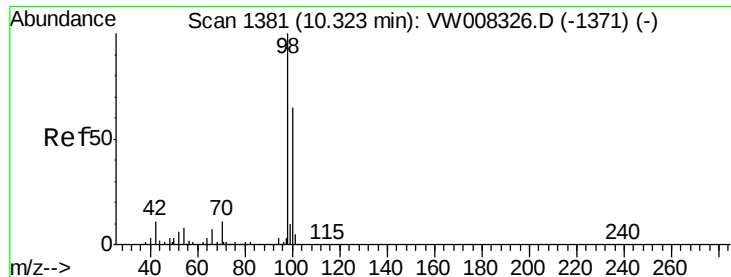


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 54.537 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

Instrument :

MSVOA_W

ClientSampled :

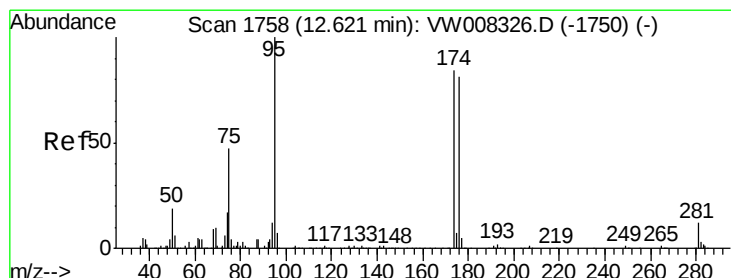
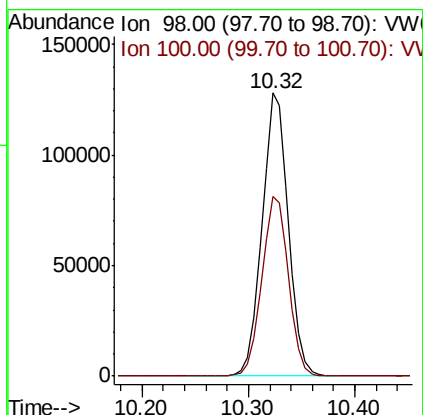
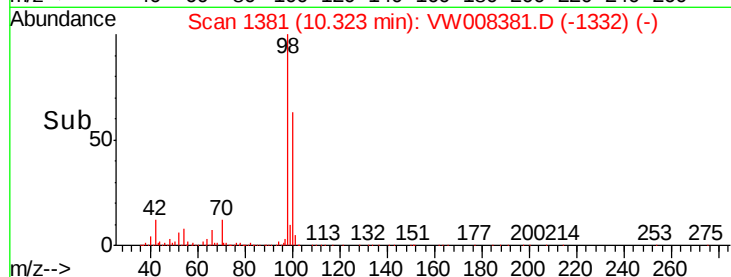
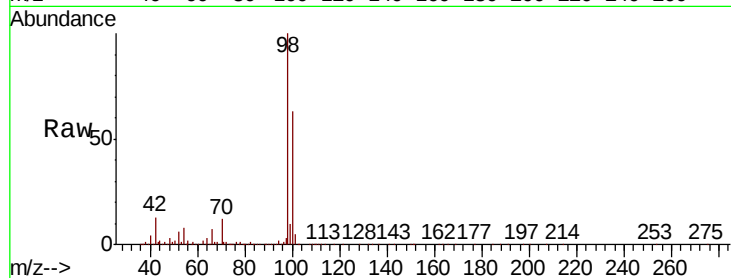
C-2RE

Tgt Ion: 98 Resp: 220204

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 56.961 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008381.D

Acq: 21 Jan 2019 17:53

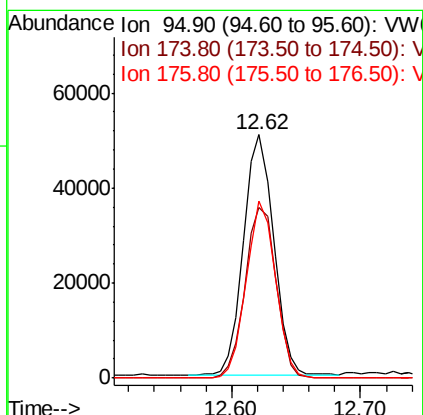
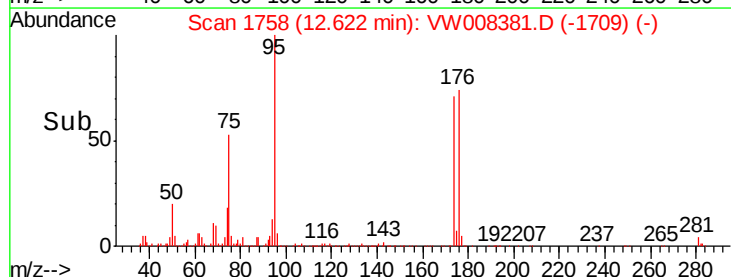
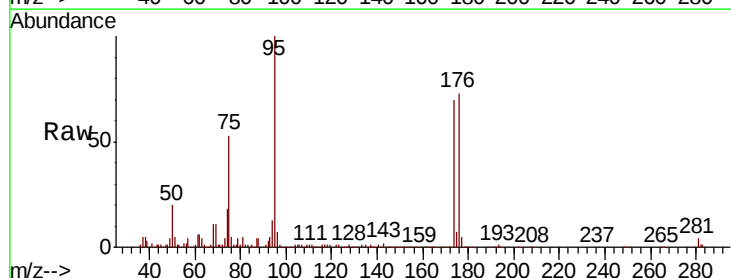
Tgt Ion: 95 Resp: 82486

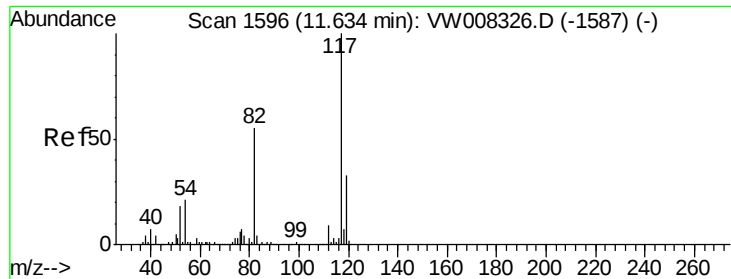
Ion Ratio Lower Upper

95 100

174 72.6 0.0 166.0

176 70.7 0.0 160.0

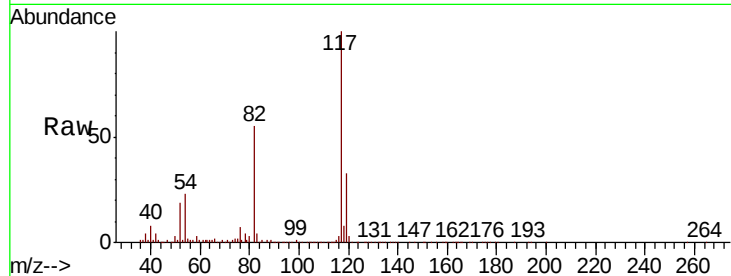




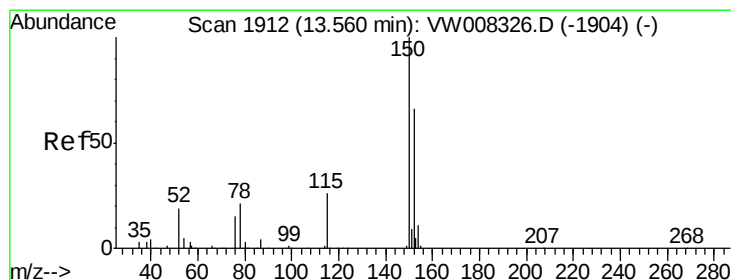
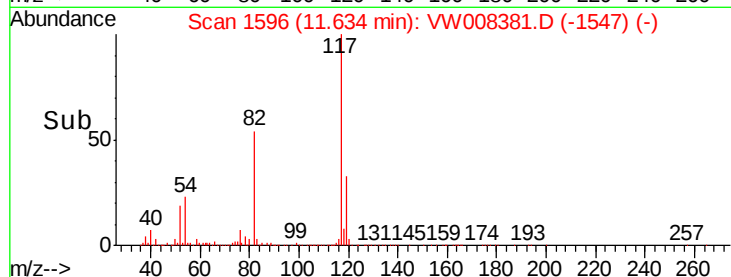
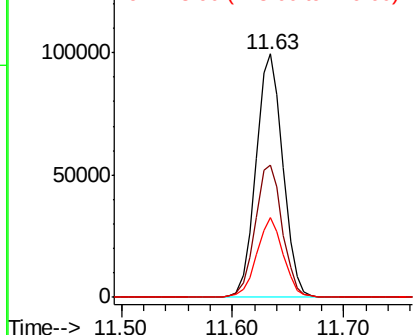
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008381.D
Acq: 21 Jan 2019 17:53

Instrument :
MSVOA_W
ClientSampleId :
C-2RE

Tgt Ion:117 Resp: 167584
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 32.7 26.3 39.5

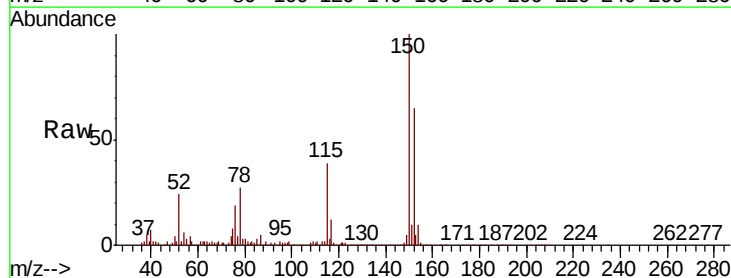


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

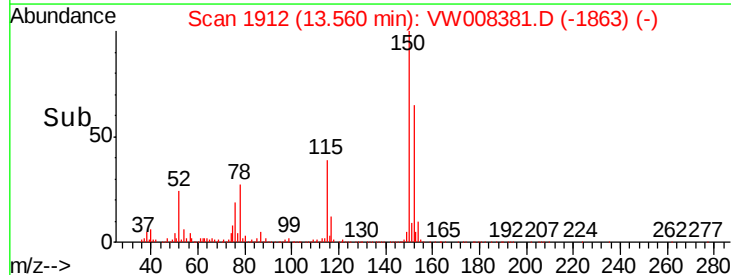
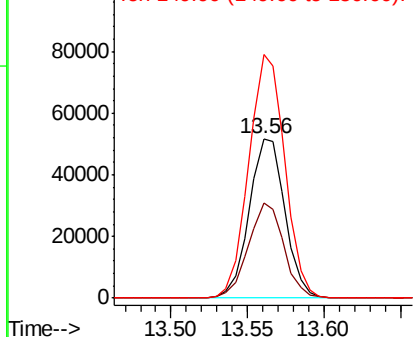


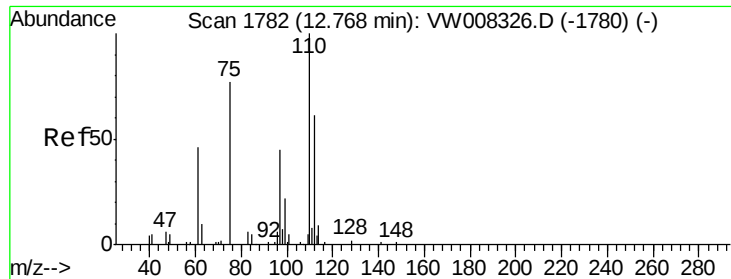
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008381.D
Acq: 21 Jan 2019 17:53

Tgt Ion:152 Resp: 83677
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.4
150 154.5 0.0 351.4



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

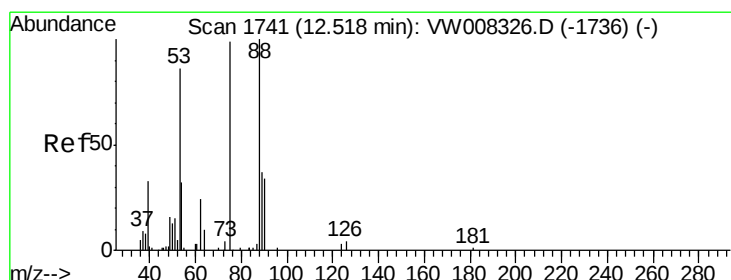
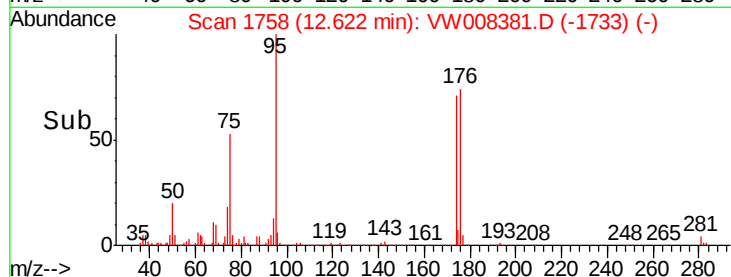
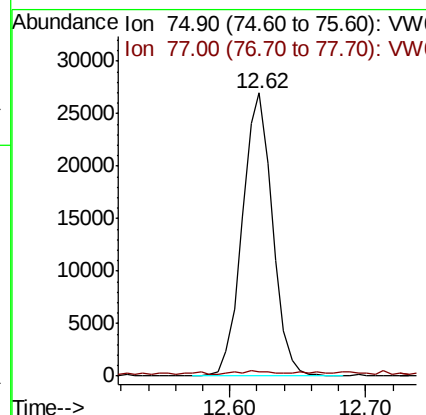
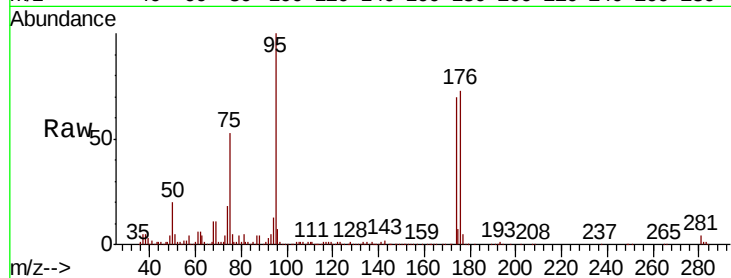




#76
 1,2,3-Trichloropropane
 Concen: 54.709 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

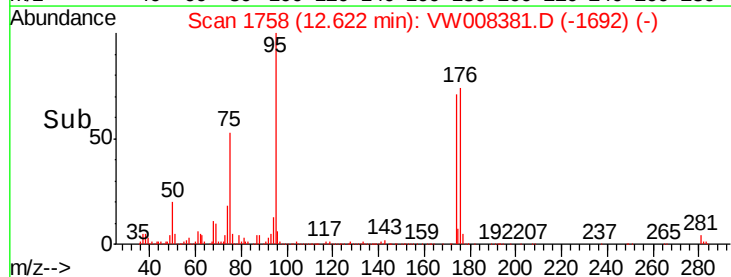
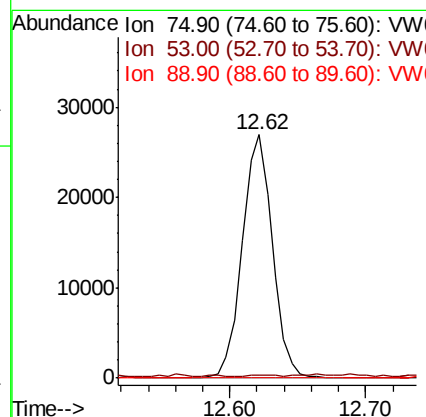
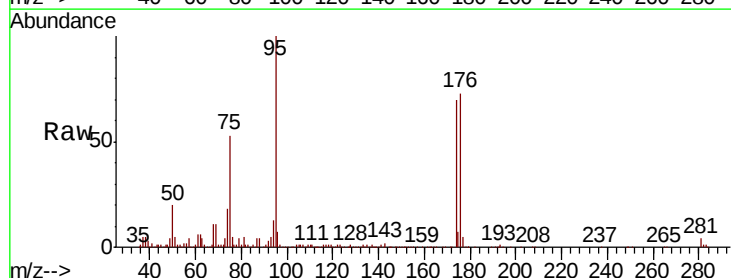
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2RE

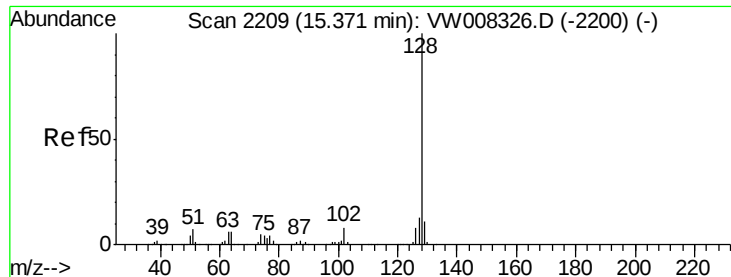
Tgt Ion: 75 Resp: 41689
 Ion Ratio Lower Upper
 75 100
 77 1.3 175.3 526.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.560 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW008381.D
 Acq: 21 Jan 2019 17:53

Tgt Ion: 75 Resp: 41689
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.2 114.4#
 89 0.0 36.7 55.1#





#95
Naphthalene
Concen: 2.515 ug/l
RT: 15.39 min Scan# 2212
Delta R.T. 0.02 min
Lab File: VW008381.D
Acq: 21 Jan 2019 17:53

Instrument :
MSVOA_W
ClientSampleId :
C-2RE

Tgt Ion:128 Resp: 625
Ion Ratio Lower Upper
128 100
127 23.4 10.5 15.7#
129 0.0 8.8 13.2#

