

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
 Data File : VW008383.D
 Acq On : 21 Jan 2019 18:47
 Operator : SY/VA
 Sample : K1205-05RE
 Misc : 7.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-5RE

Quant Time: Jan 22 03:43:18 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	83017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67767	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	53702	62.19	ug/l	0.00
Spiked Amount			Recovery	=	124.38%	
35) Dibromofluoromethane	7.88	113	51670	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.33	98	209554	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.62	95	66817	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

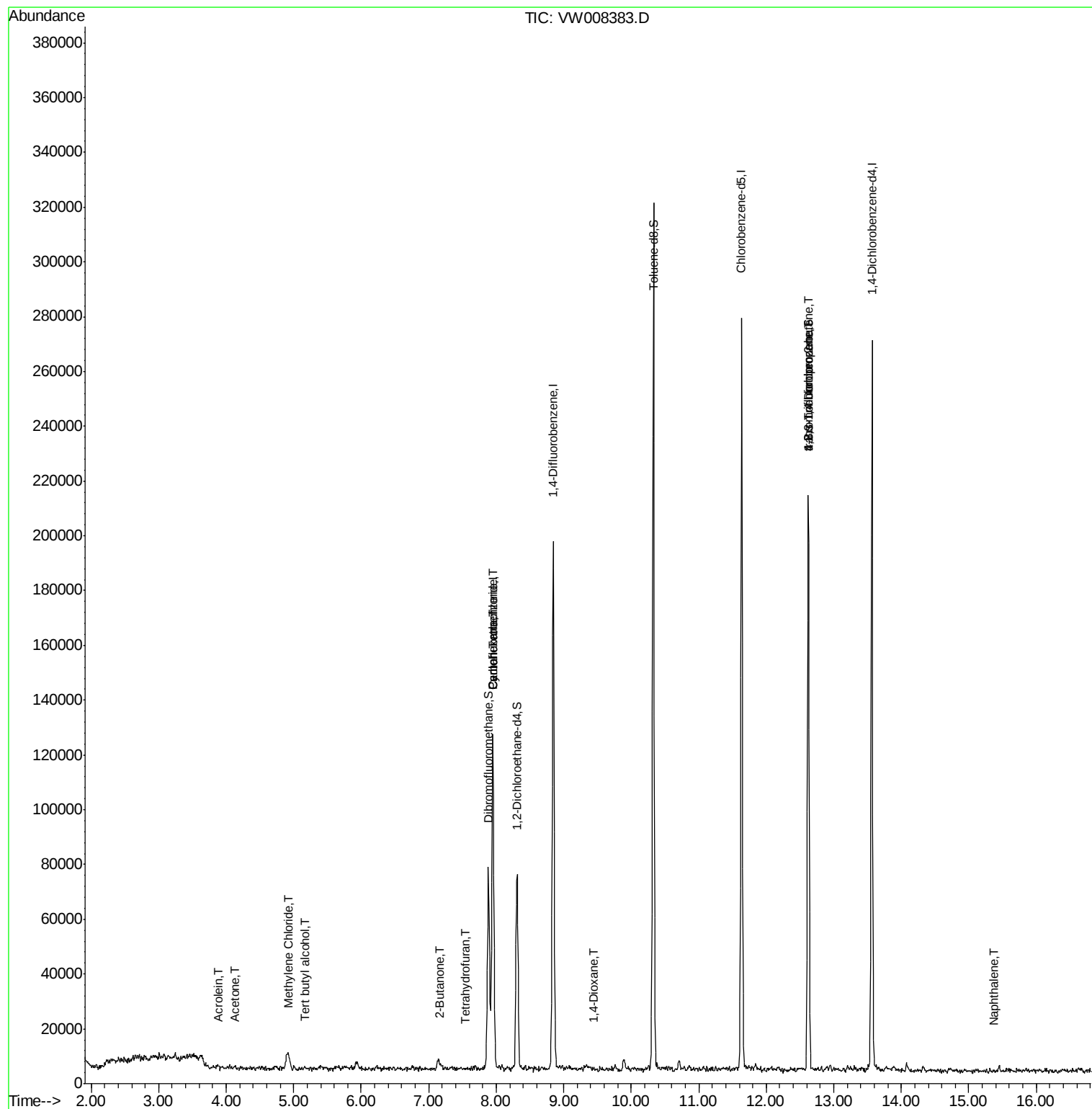
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	147	2.528	ug/l #	2
13) Acrolein	3.89	56	365	13.644	ug/l #	77
16) Acetone	4.12	43	1125	5.610	ug/l #	42
20) Methylene Chloride	4.92	84	5107	2.088	ug/l	95
25) 2-Butanone	7.17	43	326	1.269	ug/l #	53
29) Tetrahydrofuran	7.53	42	302	1.886	ug/l #	84
31) Cyclohexane	7.95	56	2698	1.673	ug/l #	34
38) Carbon Tetrachloride	7.95	117	8880	5.739	ug/l #	18
49) 1,4-Dioxane	9.45	88	54	5.837	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	35559	57.621	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	35559	137.507	ug/l #	11
95) Naphthalene	15.37	128	184	2.397	ug/l #	69

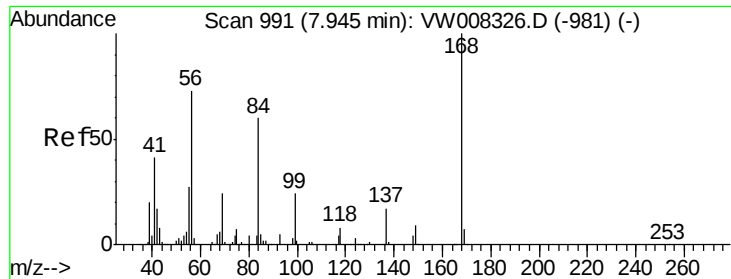
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012119\
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QLast Update : Fri Jan 18 00:57:07 2019
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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: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampled :

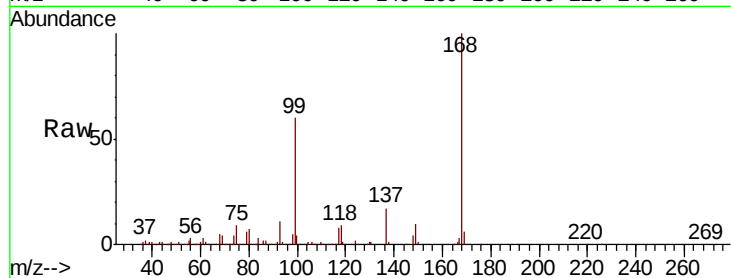
C-5RE

Tgt Ion: 168 Resp: 83017

Ion Ratio Lower Upper

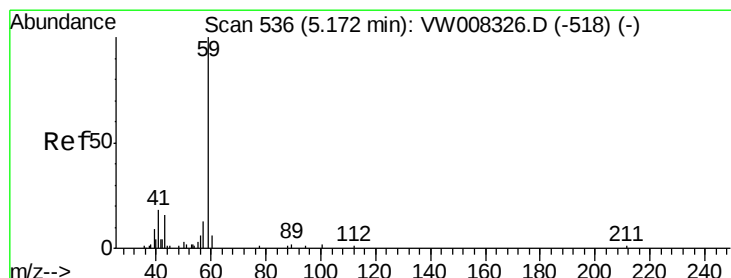
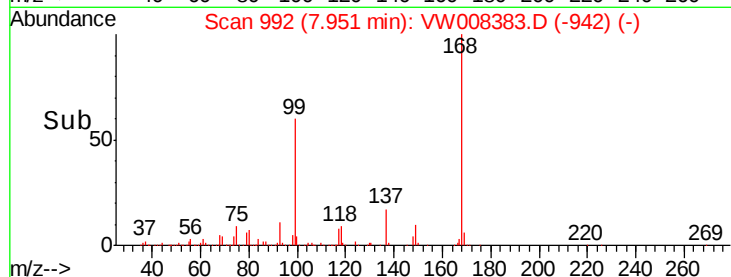
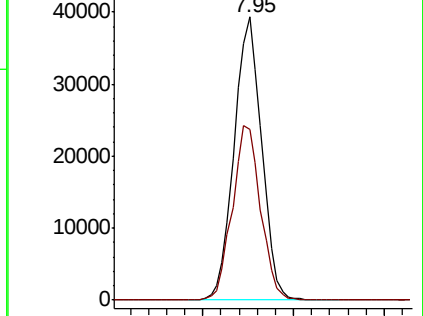
168 100

99 60.2 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: 2.528 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW008383.D

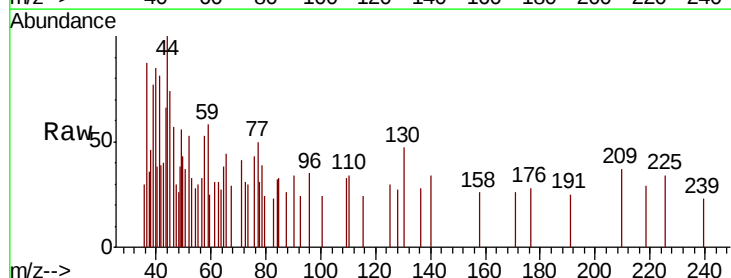
Acq: 21 Jan 2019 18:47

Tgt Ion: 59 Resp: 147

Ion Ratio Lower Upper

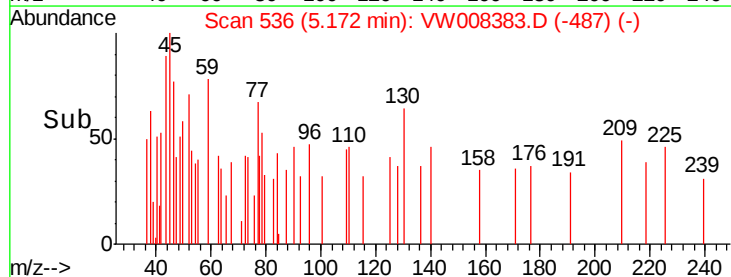
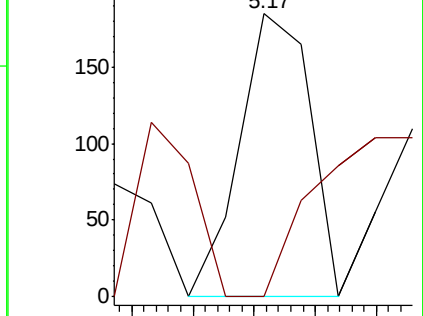
59 100

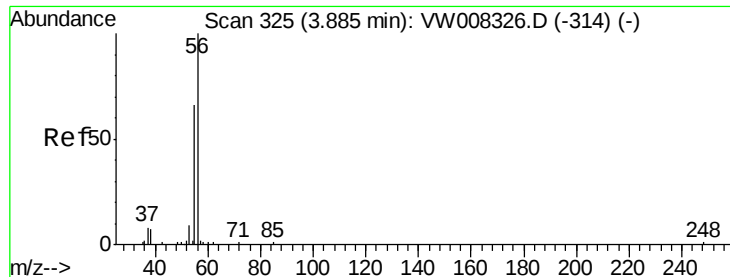
57 49.7 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 13.644 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampled :

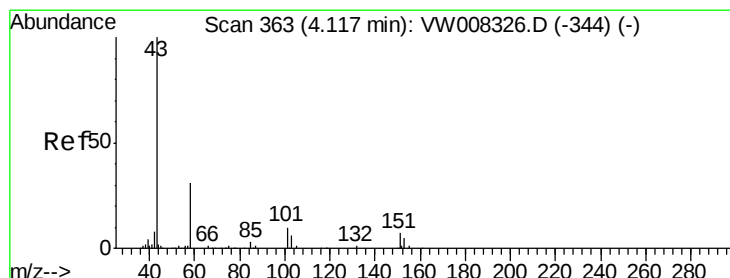
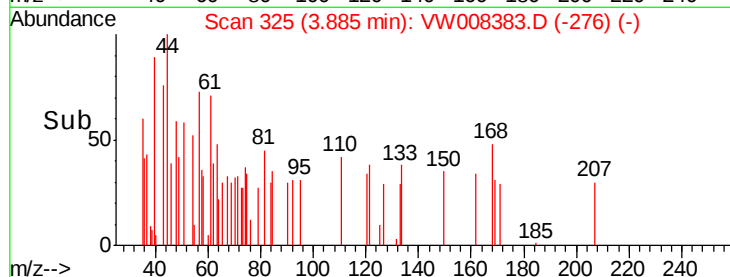
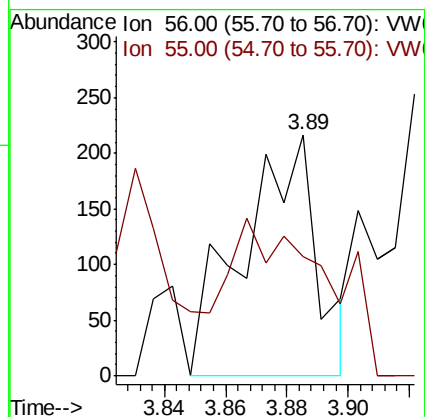
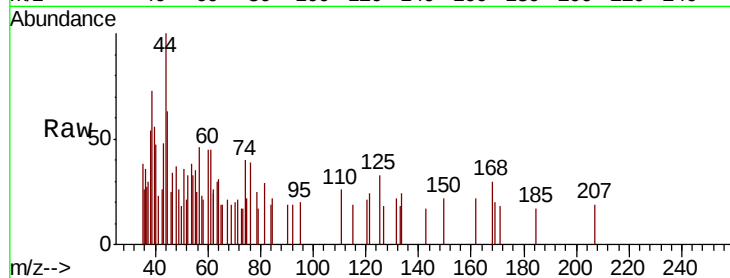
C-5RE

Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

55 84.4 52.9 79.3#



#16

Acetone

Concen: 5.610 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008383.D

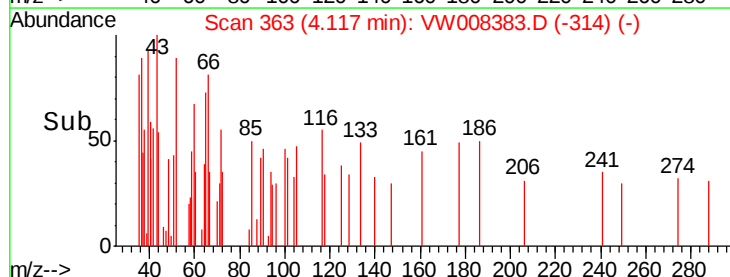
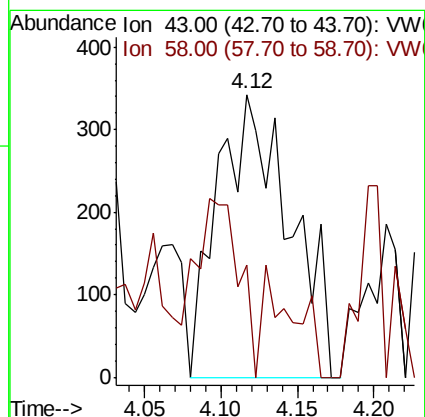
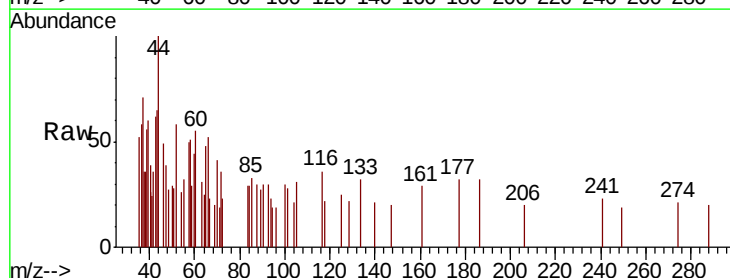
Acq: 21 Jan 2019 18:47

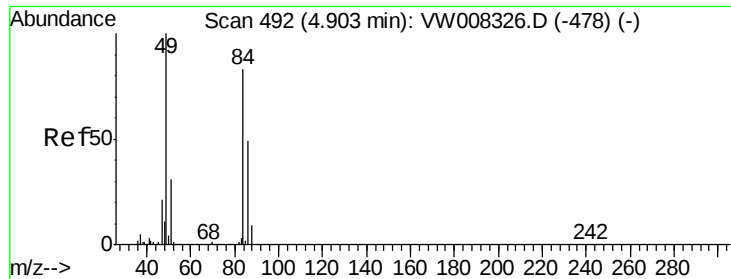
Tgt Ion: 43 Resp: 1125

Ion Ratio Lower Upper

43 100

58 62.7 24.7 37.1#

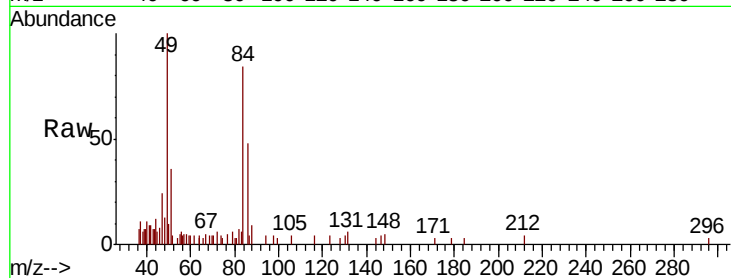




#20
Methylene Chloride
Concen: 2.088 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.02 min
Lab File: VW008383.D
Acq: 21 Jan 2019 18:47

Instrument :
MSVOA_W
ClientSampleId :
C-5RE

Tgt Ion:	84	Resp:	5107
Ion	Ratio	Lower	Upper
84	100		
49	112.0	95.9	143.9
51	38.6	29.3	43.9
86	57.9	47.4	71.2



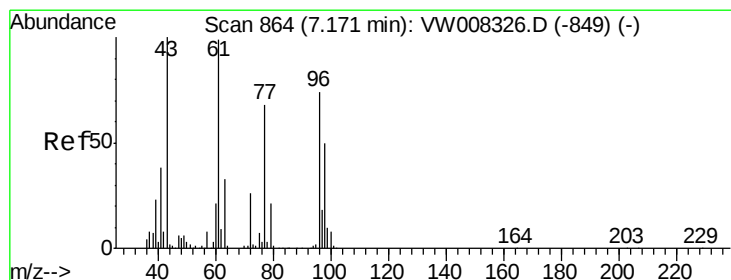
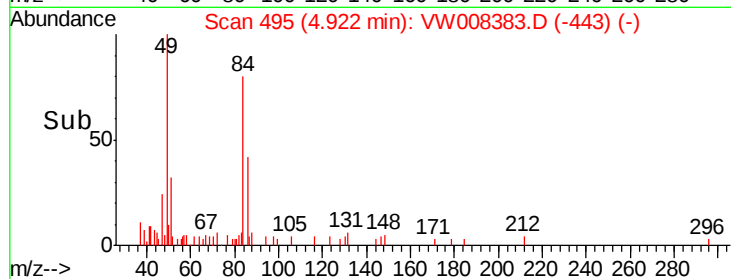
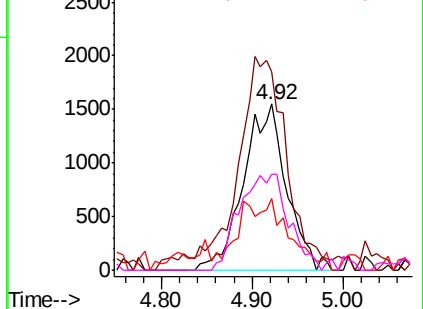
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

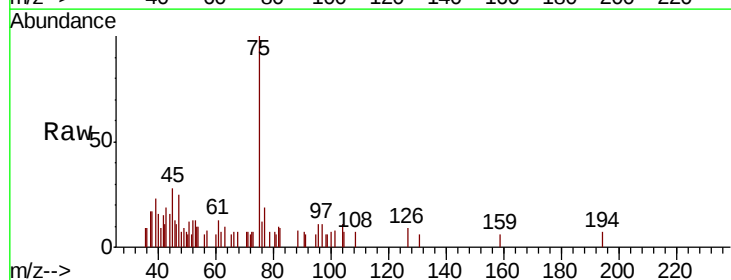
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.269 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008383.D
Acq: 21 Jan 2019 18:47

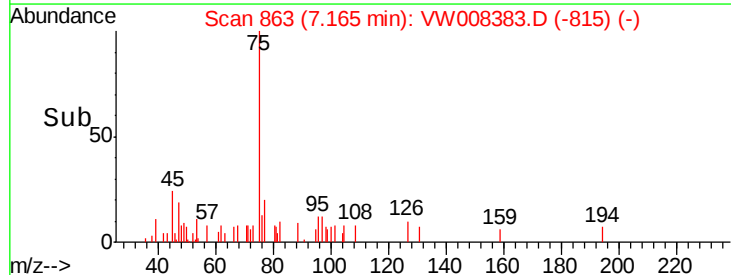
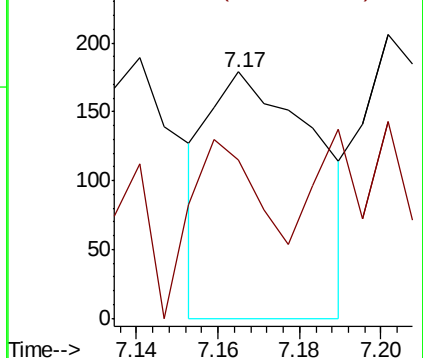
Tgt Ion:	43	Resp:	326
Ion	Ratio	Lower	Upper
43	100		
72	50.8	21.2	31.8#

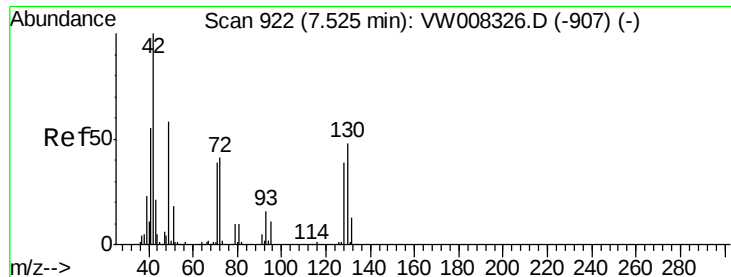


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

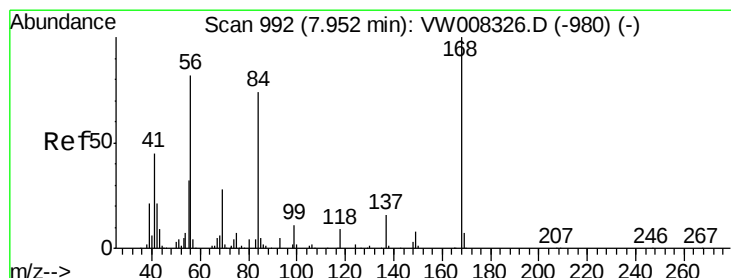
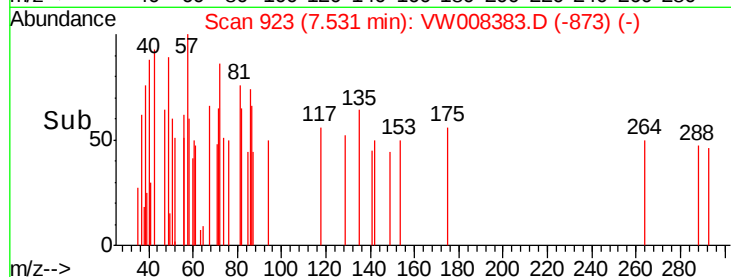
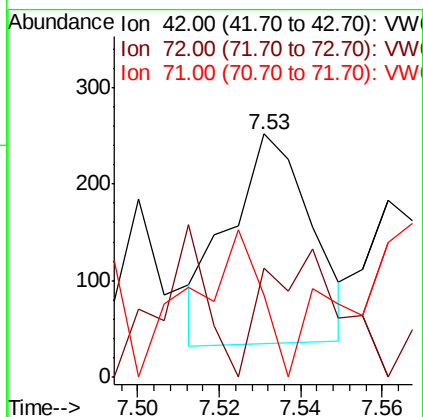
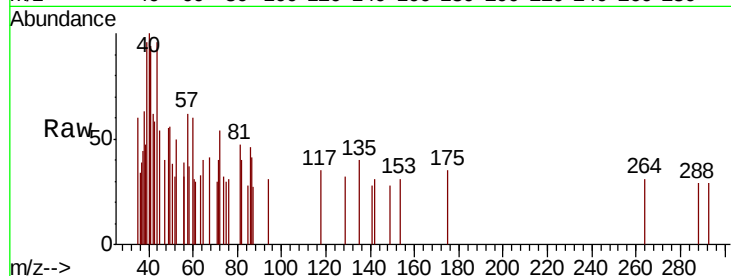




#29
Tetrahydrofuran
Concen: 1.886 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008383.D
Acq: 21 Jan 2019 18:47

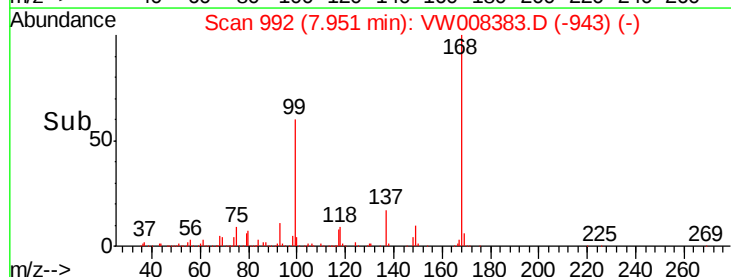
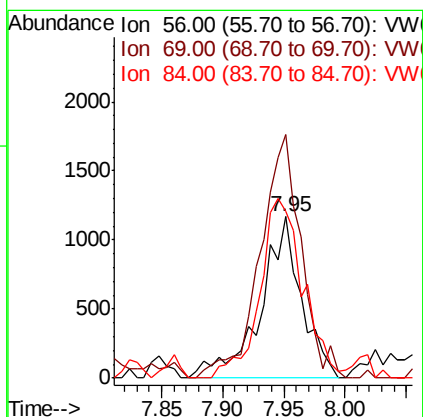
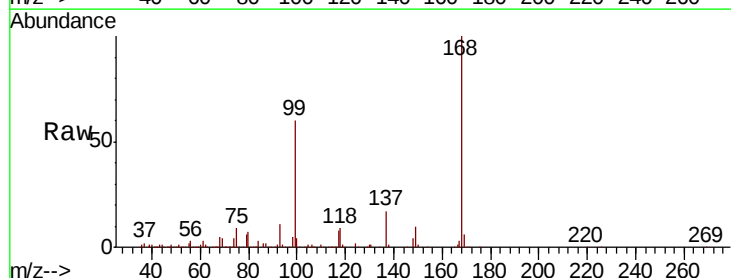
Instrument :
MSVOA_W
ClientSampled :
C-5RE

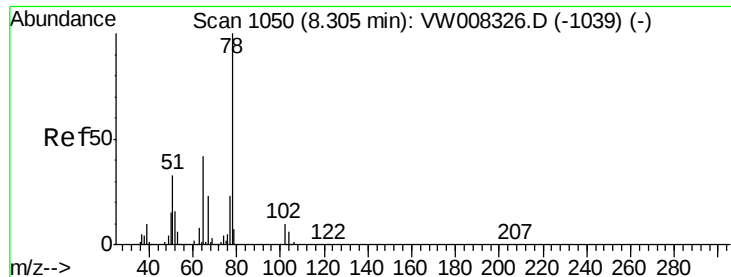
Tgt Ion: 42 Resp: 302
Ion Ratio Lower Upper
42 100
72 41.1 34.0 51.0
71 58.6 32.0 48.0#



#31
Cyclohexane
Concen: 1.673 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008383.D
Acq: 21 Jan 2019 18:47

Tgt Ion: 56 Resp: 2698
Ion Ratio Lower Upper
56 100
69 151.1 27.0 40.6#
84 103.8 72.5 108.7





#33

1,2-Dichloroethane-d4

Concen: 62.186 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampled :

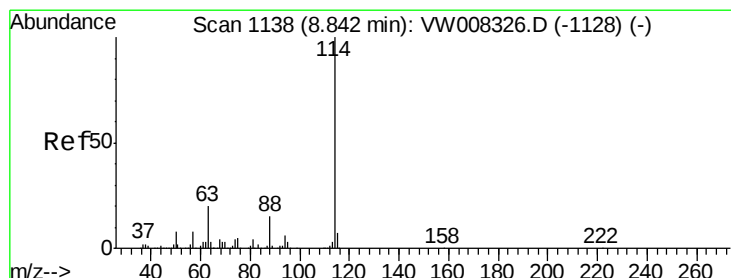
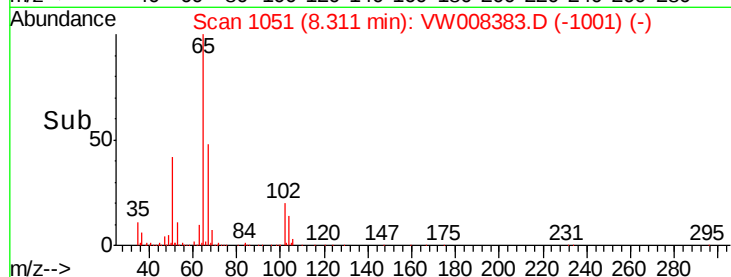
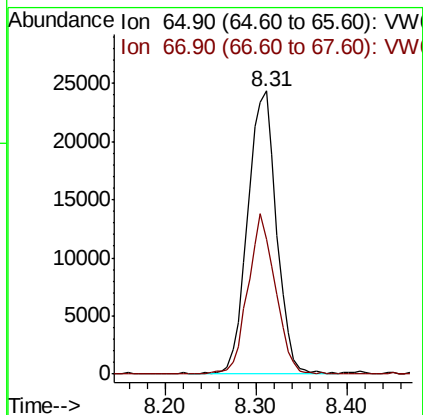
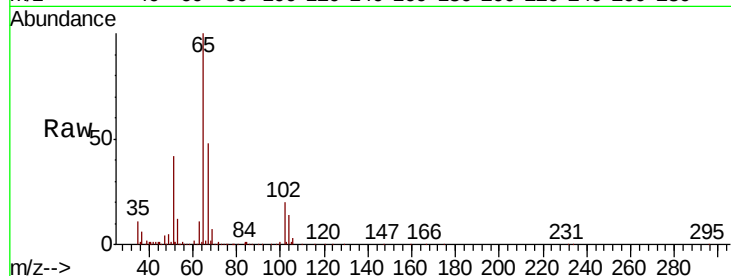
C-5RE

Tgt Ion: 65 Resp: 53702

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: VW008383.D

Acq: 21 Jan 2019 18:47

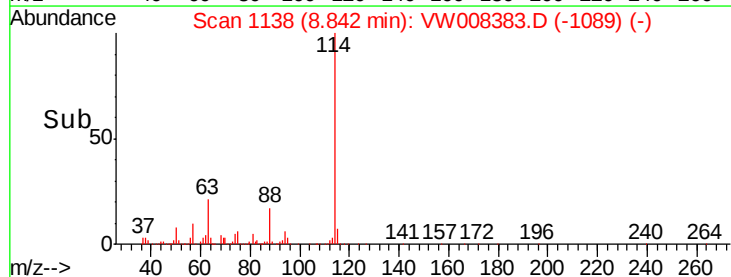
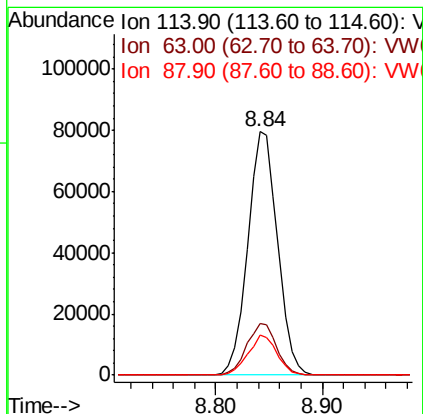
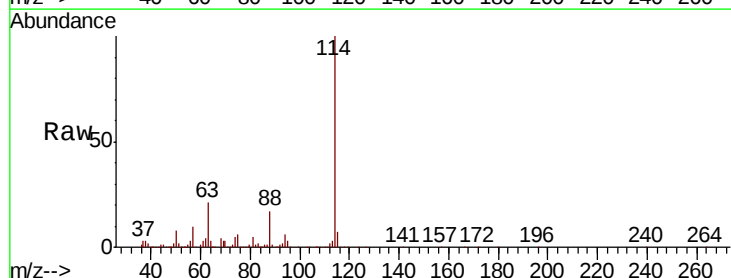
Tgt Ion: 114 Resp: 155748

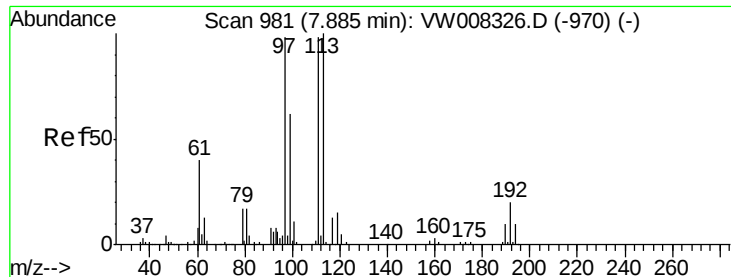
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 16.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.972 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampleId :

C-5RE

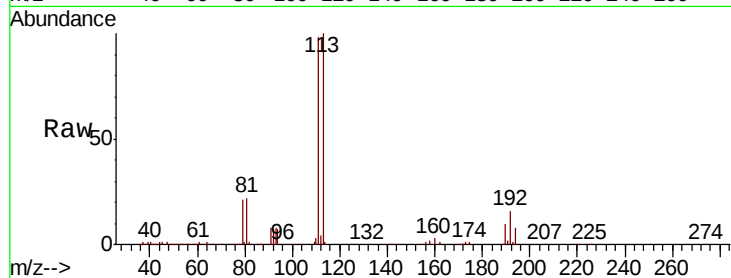
Tgt Ion:113 Resp: 51670

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

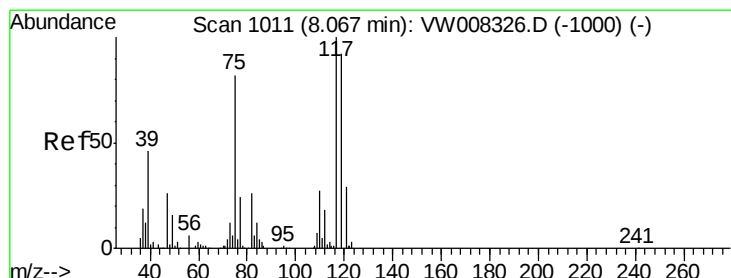
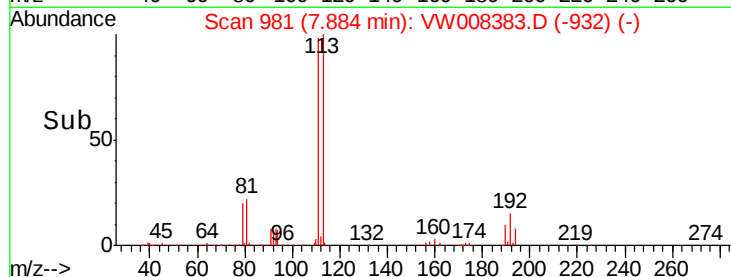
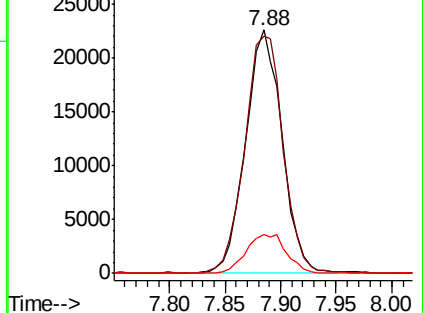
192 17.7 16.3 24.5



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



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

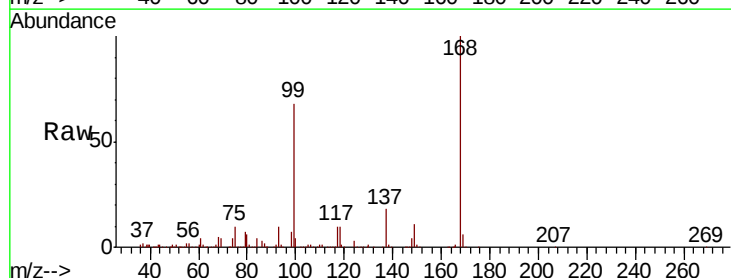
Tgt Ion:117 Resp: 8880

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.6#

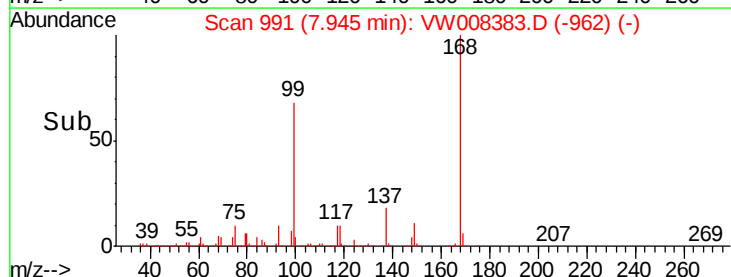
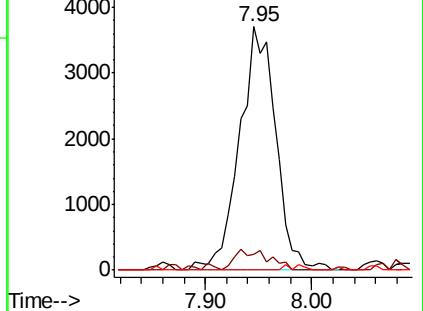
121 0.0 23.4 35.0#

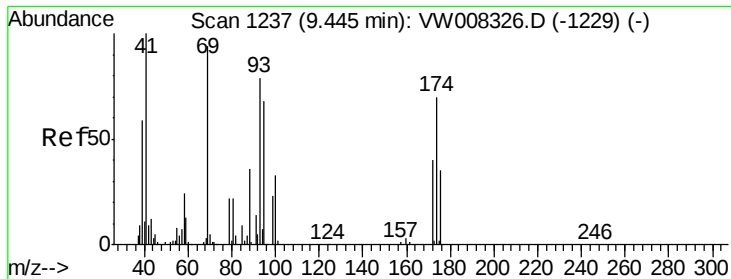


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 5.837 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampled :

C-5RE

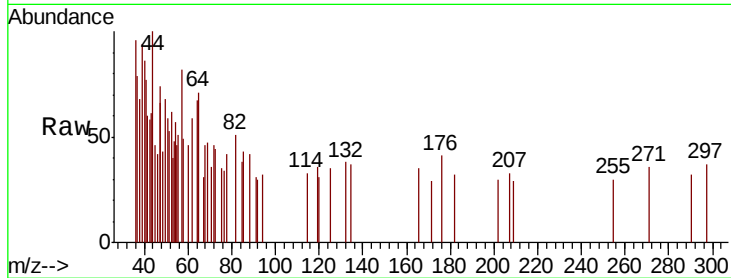
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 596.3 27.1 40.7#

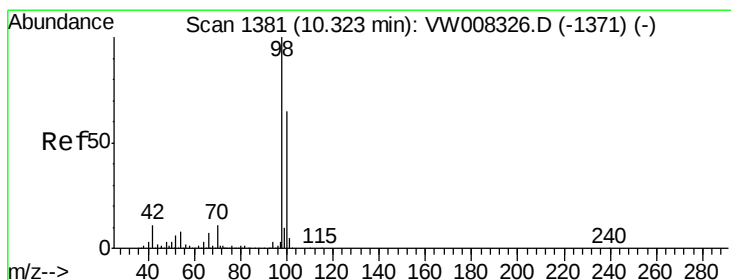
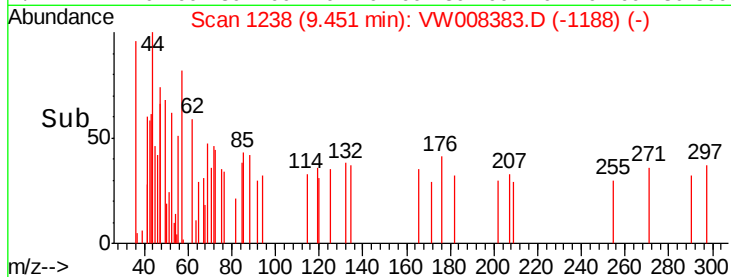
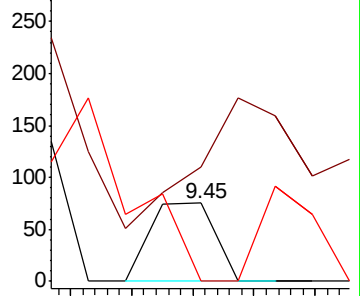
58 105.6 57.9 86.9#



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: 53.653 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008383.D

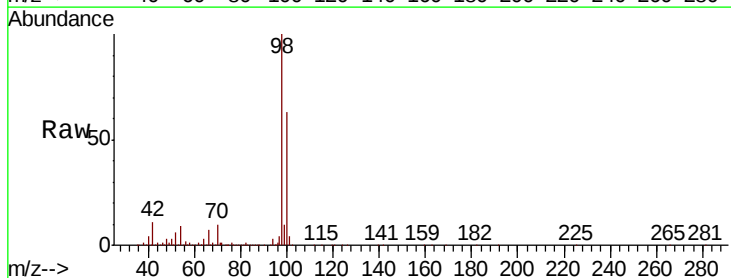
Acq: 21 Jan 2019 18:47

Tgt Ion: 98 Resp: 209554

Ion Ratio Lower Upper

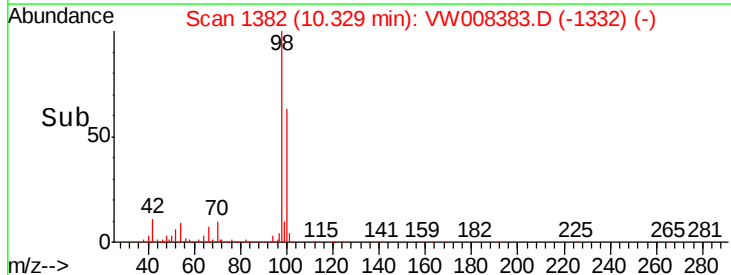
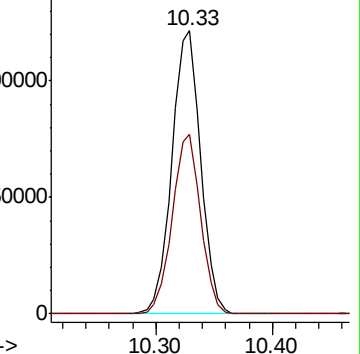
98 100

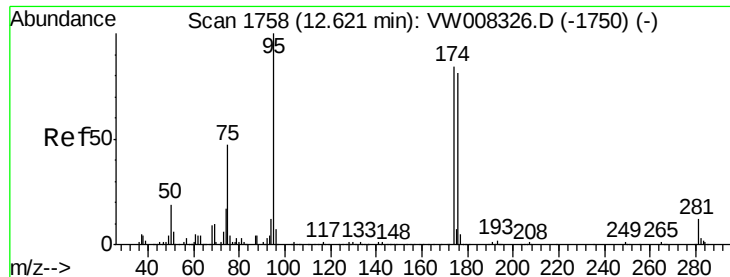
100 62.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampled :

C-5RE

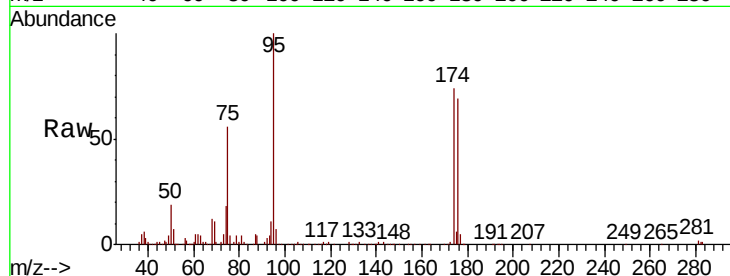
Tgt Ion: 95 Resp: 66817

Ion Ratio Lower Upper

95 100

174 75.3 0.0 166.0

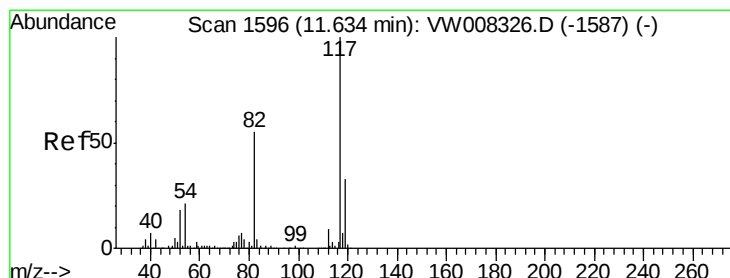
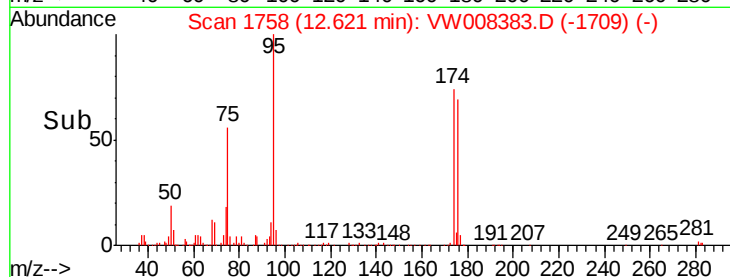
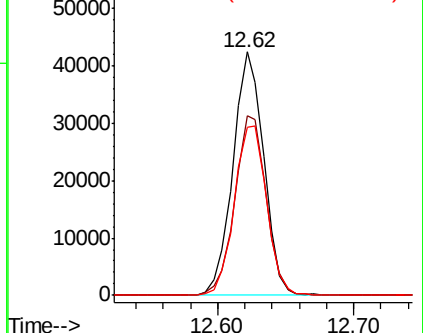
176 72.9 0.0 160.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

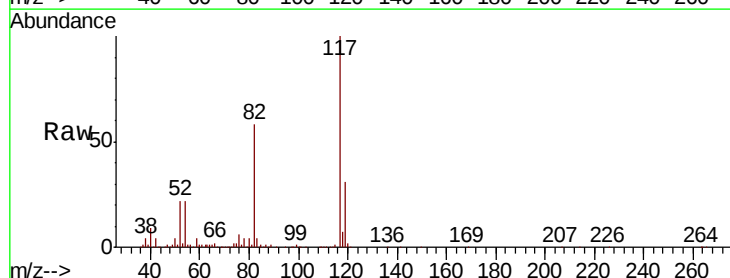
Tgt Ion: 117 Resp: 147919

Ion Ratio Lower Upper

117 100

82 57.5 44.3 66.5

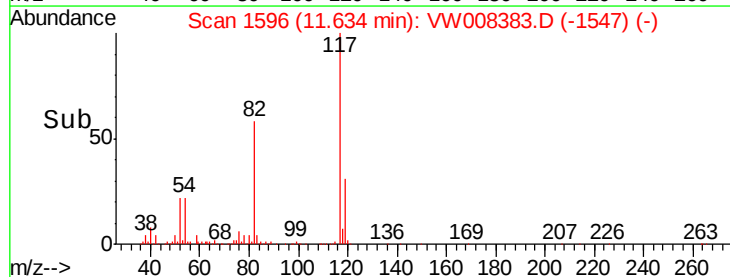
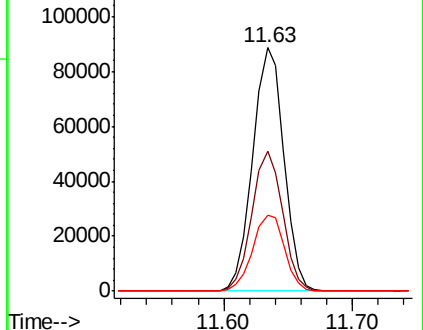
119 31.2 26.3 39.5

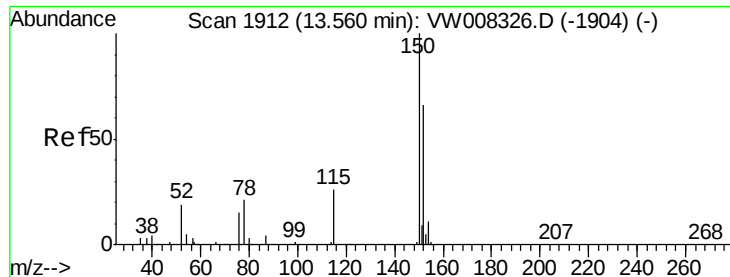


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampleId :

C-5RE

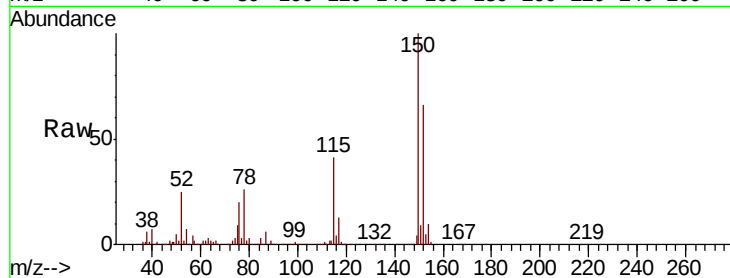
Tgt Ion:152 Resp: 67767

Ion Ratio Lower Upper

152 100

115 61.7 28.8 86.4

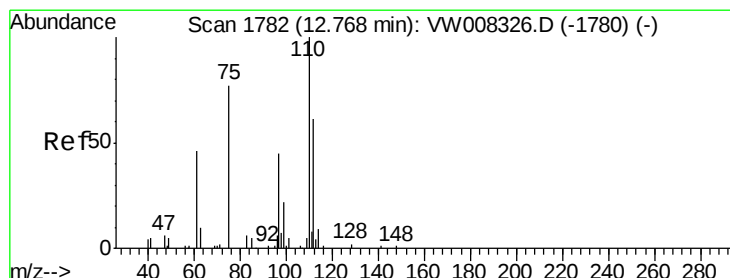
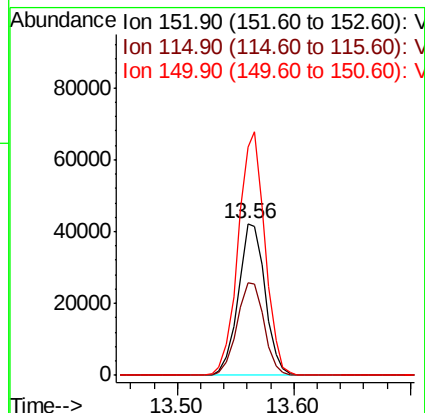
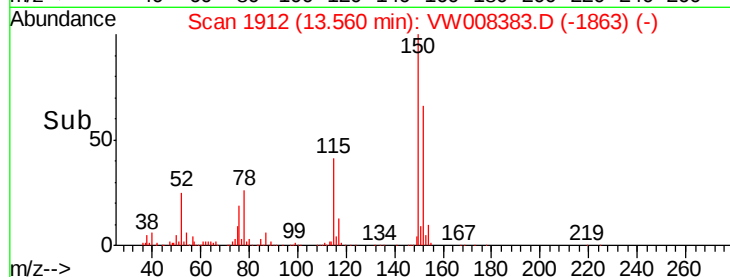
150 159.4 0.0 351.4



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: 57.621 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008383.D

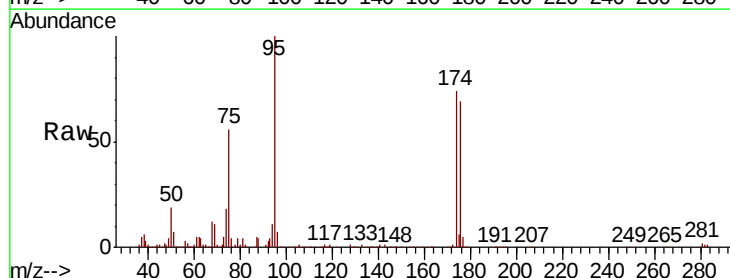
Acq: 21 Jan 2019 18:47

Tgt Ion: 75 Resp: 35559

Ion Ratio Lower Upper

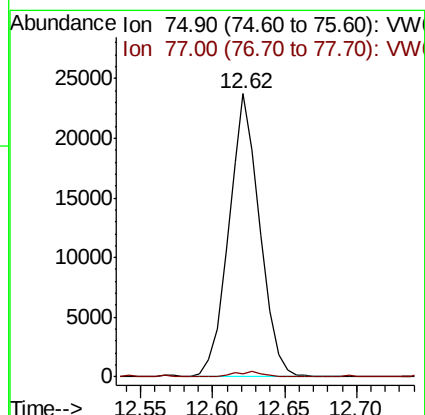
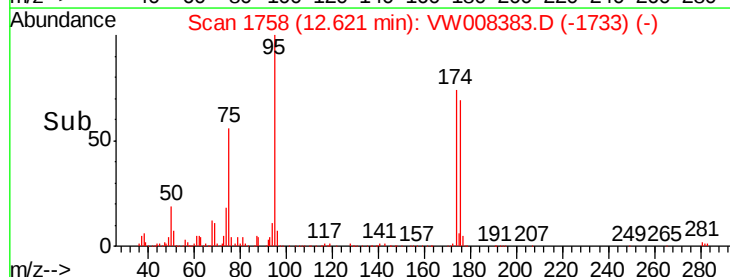
75 100

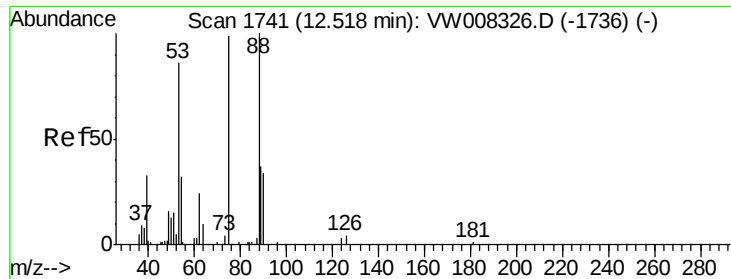
77 2.0 175.3 526.1#



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: 137.507 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Instrument :

MSVOA_W

ClientSampleId :

C-5RE

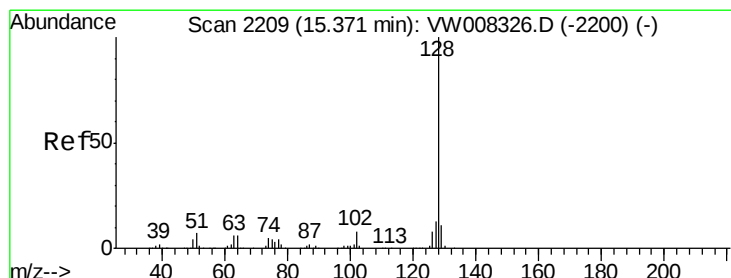
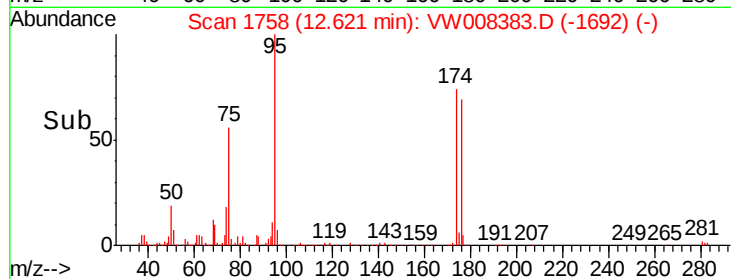
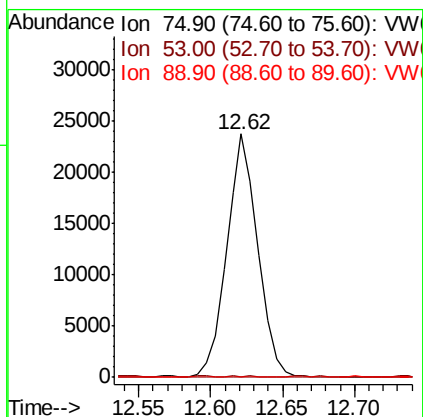
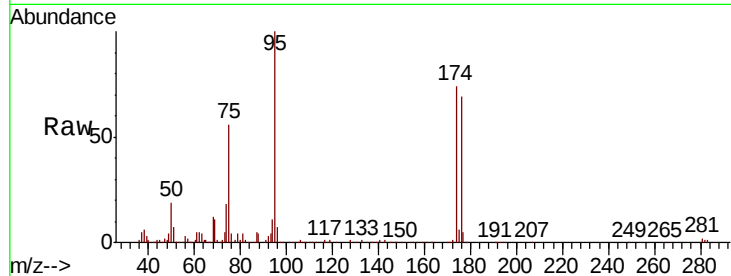
Tgt Ion: 75 Resp: 35559

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.3 36.7 55.1#



#95

Naphthalene

Concen: 2.397 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008383.D

Acq: 21 Jan 2019 18:47

Tgt Ion: 128 Resp: 184

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#

