

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012298.D
 Acq On : 29 Aug 2019 13:03
 Operator : SY/VA
 Sample : K4510-01RE
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-44-6.5-7.0RE

Quant Time: Aug 30 06:48:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80236	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	127720	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	7.88	113	110697	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.32	98	434318	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	105060	34.22	ug/l	0.00
Spiked Amount			Recovery	=	68.44%	

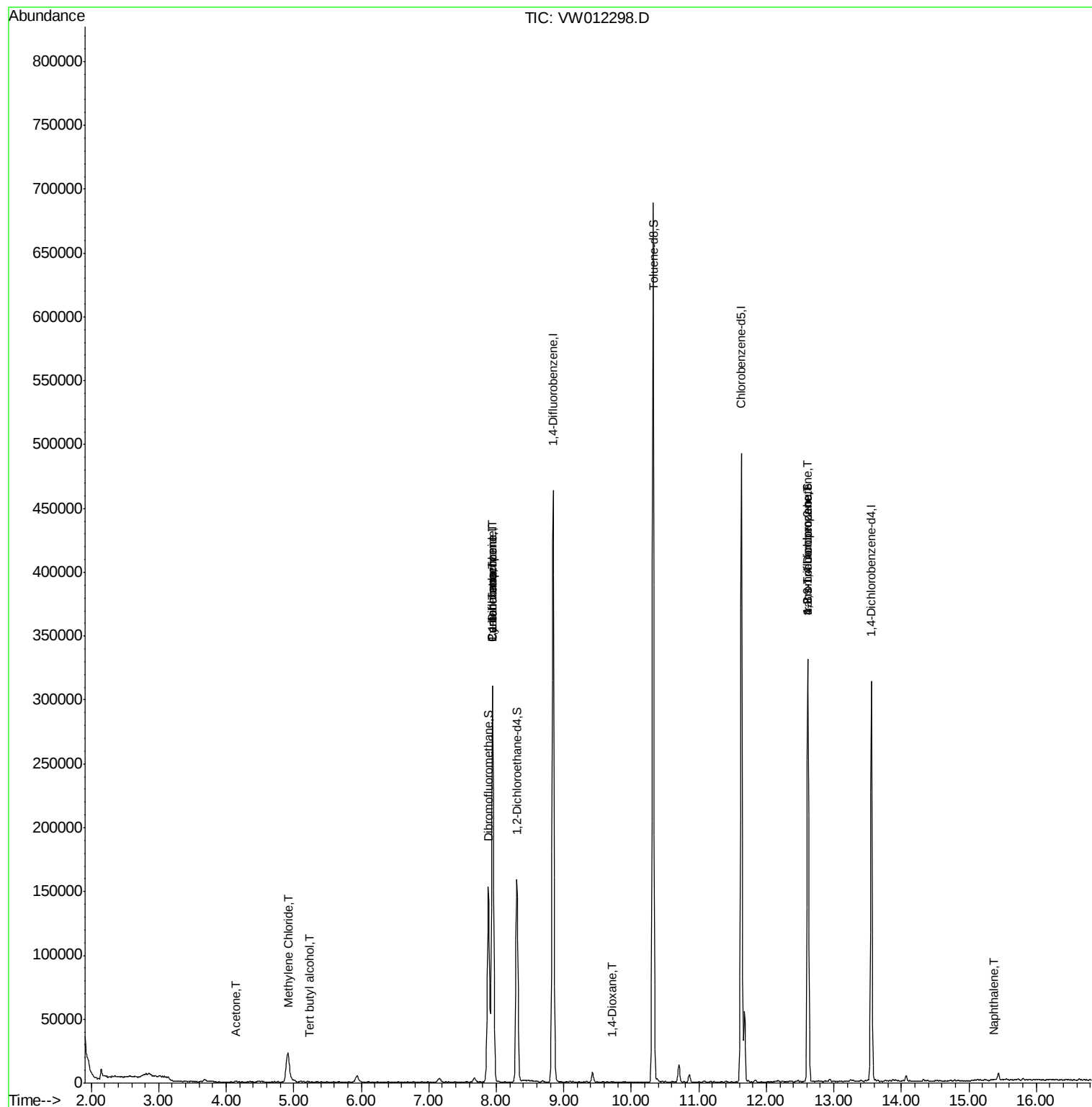
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	253	1.572	ug/l #	71
16) Acetone	4.14	43	1385	2.026	ug/l #	77
20) Methylene Chloride	4.92	84	17284	6.688	ug/l	94
31) Cyclohexane	7.95	56	5157	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18935	5.091	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22322	6.935	ug/l #	17
49) 1,4-Dioxane	9.72	88	43	2.310	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	55917	71.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55917	156.890	ug/l #	6
95) Naphthalene	15.36	128	690	4.529	ug/l #	69

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

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SB-44-6.5-7.0RE

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

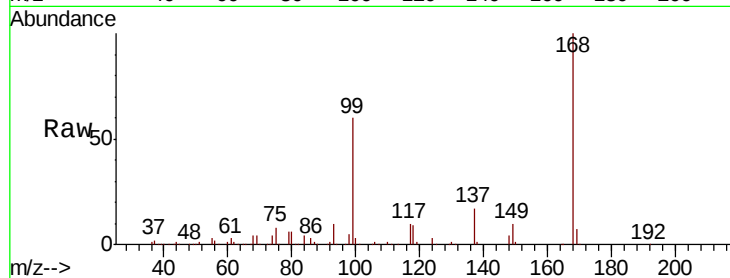
SB-44-6.5-7.0RE

Tgt Ion:168 Resp: 224963

Ion Ratio Lower Upper

168 100

99 59.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

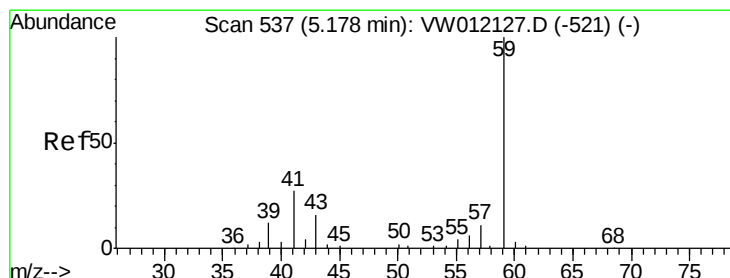
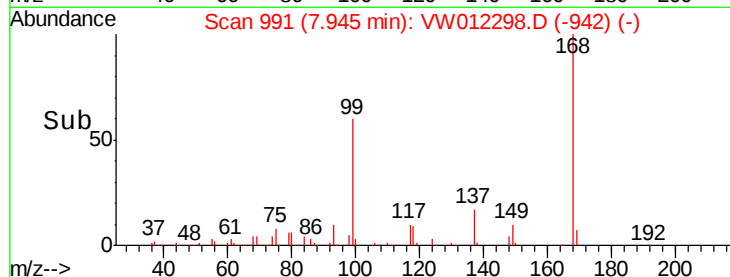
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.572 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.05 min

Lab File: VW012298.D

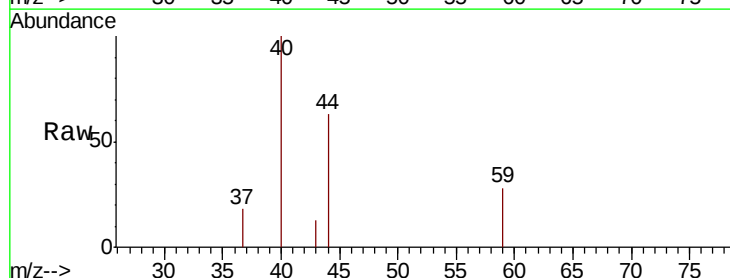
Acq: 29 Aug 2019 13:03

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

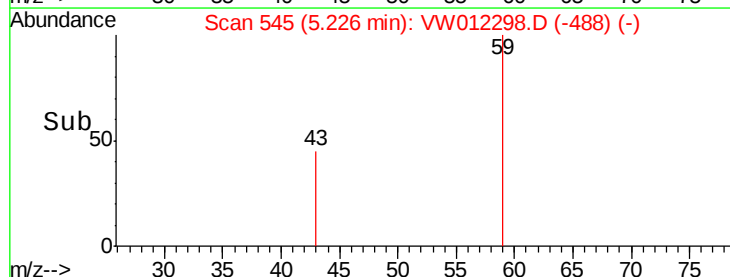
150

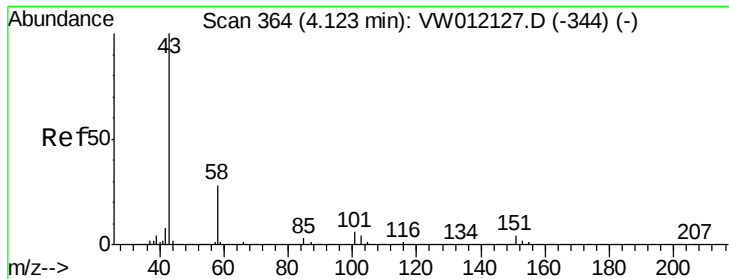
100

50

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 2.026 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

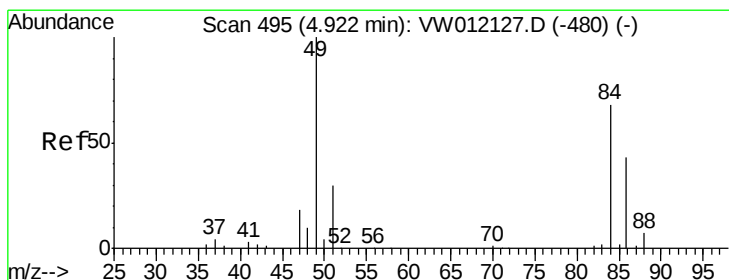
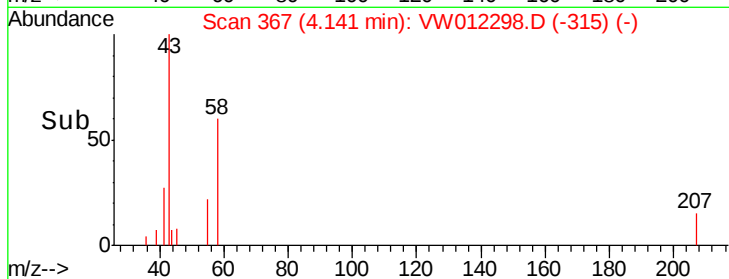
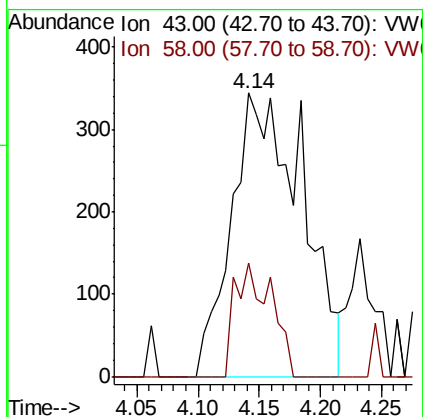
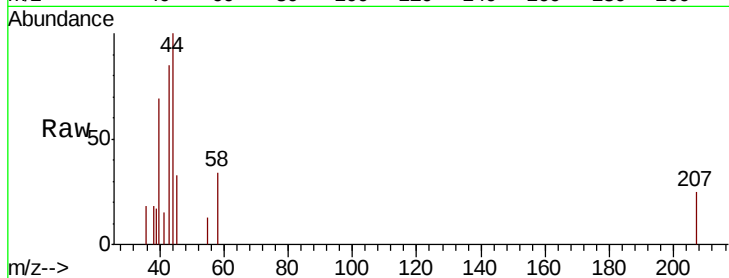
SB-44-6.5-7.0RE

Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

43 100

58 40.1 22.4 33.6#



#20

Methylene Chloride

Concen: 6.688 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Tgt Ion: 84 Resp: 17284

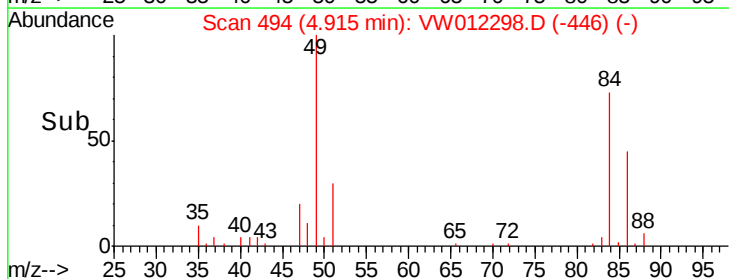
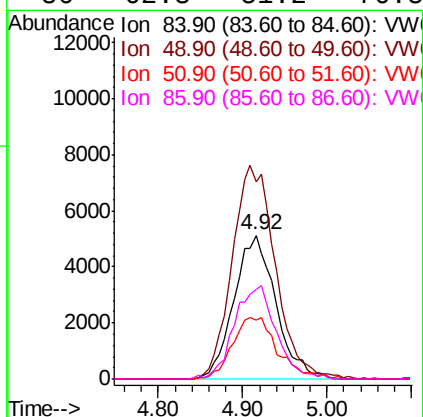
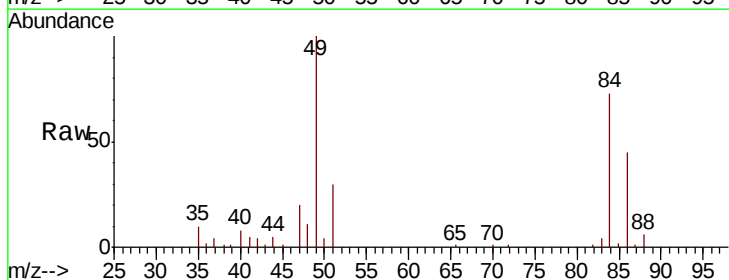
Ion Ratio Lower Upper

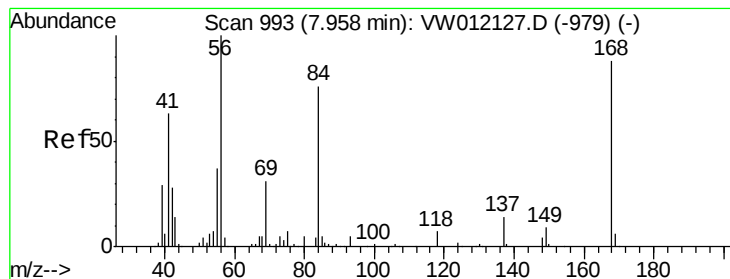
84 100

49 137.2 117.8 176.8

51 41.1 35.6 53.4

86 62.3 51.2 76.8





#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-44-6.5-7.0RE

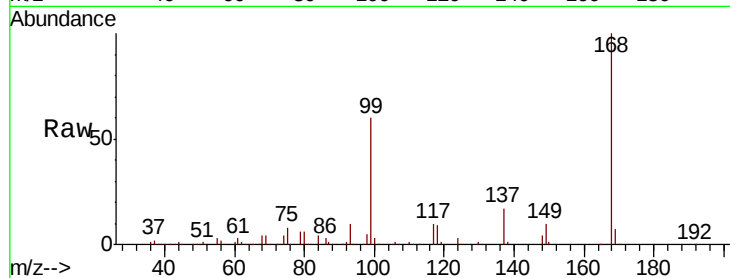
Tgt Ion: 56 Resp: 5157

Ion Ratio Lower Upper

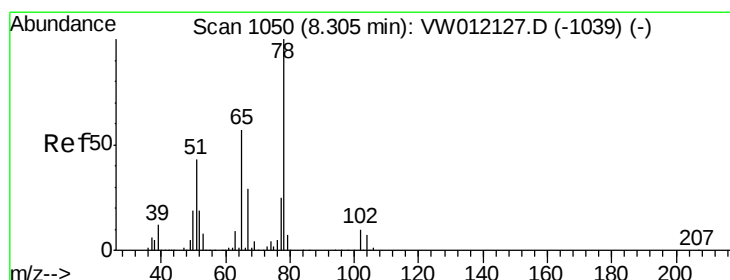
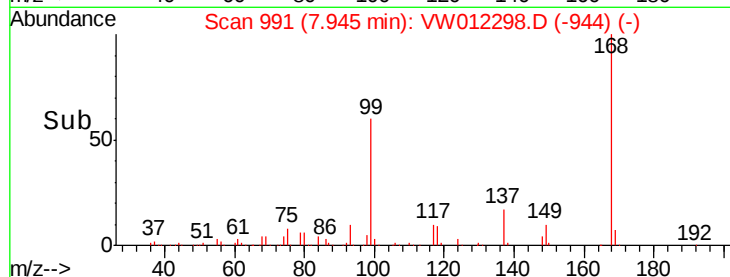
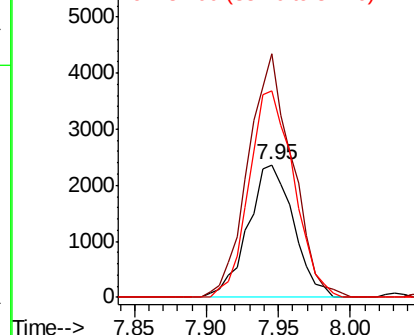
56 100

69 183.9 24.9 37.3#

84 155.9 60.6 90.8#



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: 47.759 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012298.D

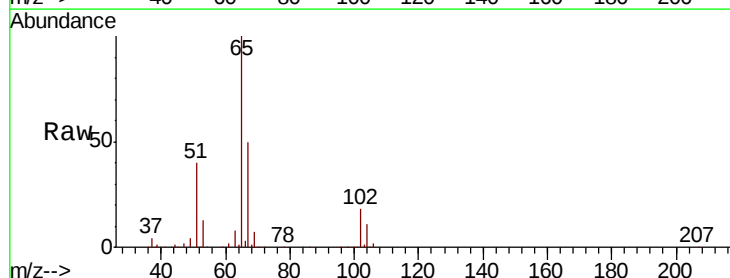
Acq: 29 Aug 2019 13:03

Tgt Ion: 65 Resp: 127720

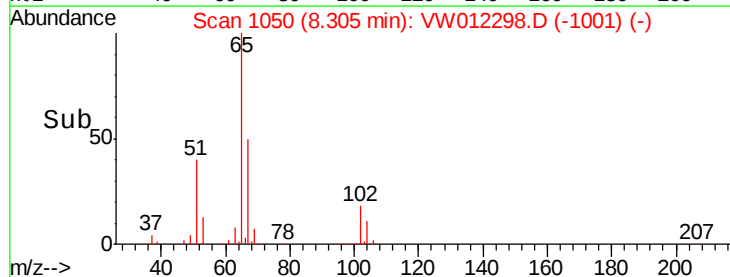
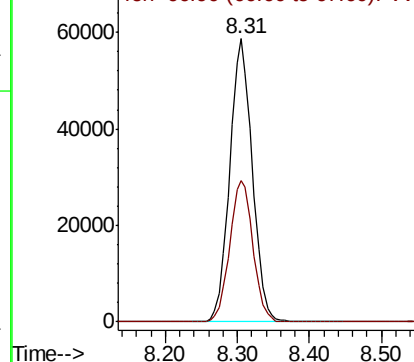
Ion Ratio Lower Upper

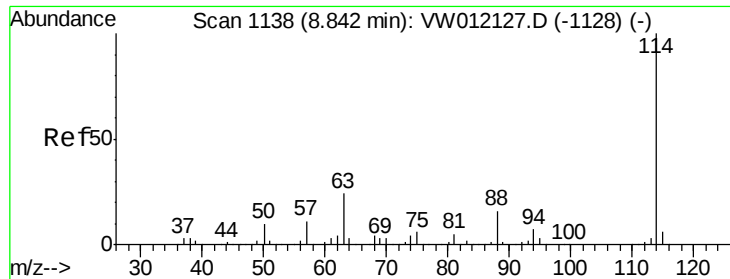
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

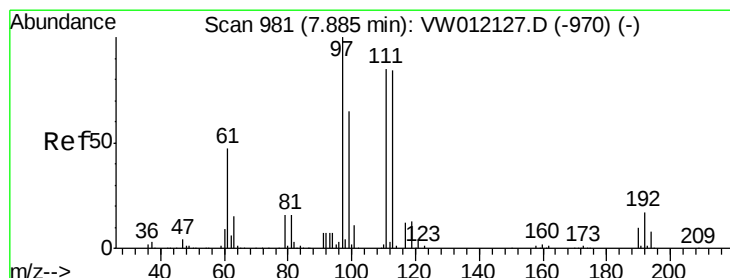
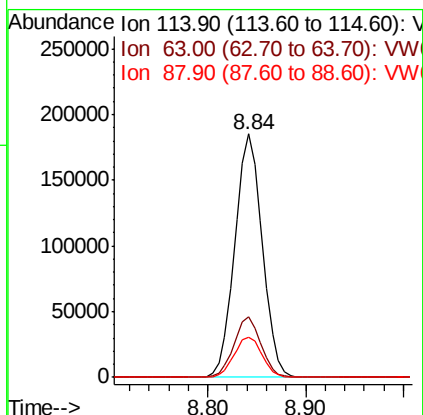
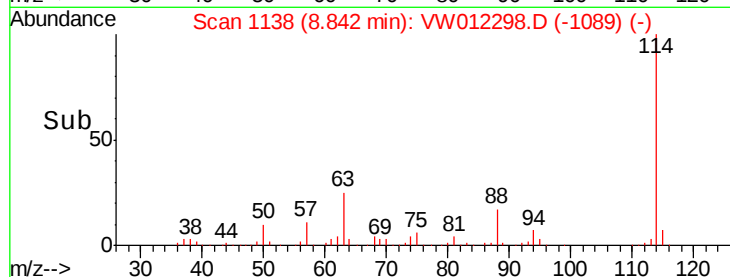
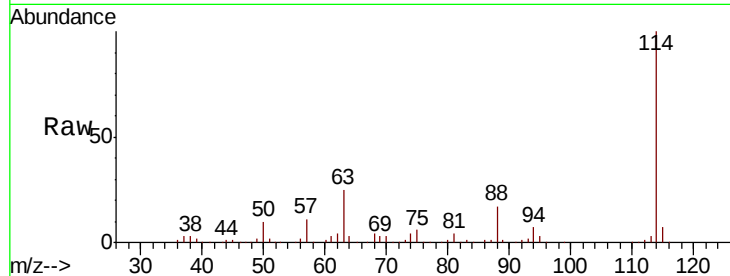




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012298.D
 Acq: 29 Aug 2019 13:03

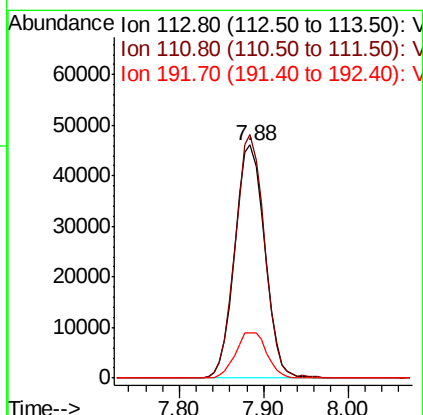
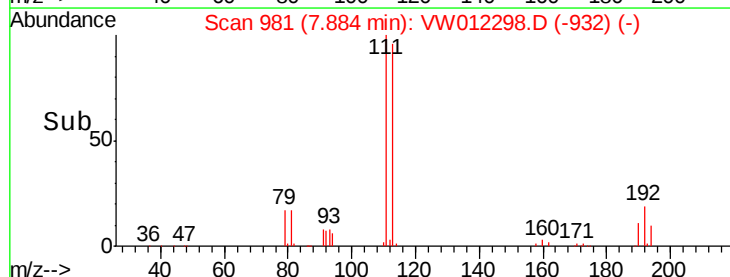
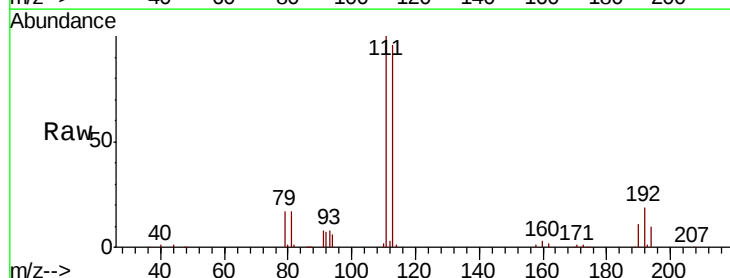
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-44-6.5-7.0RE

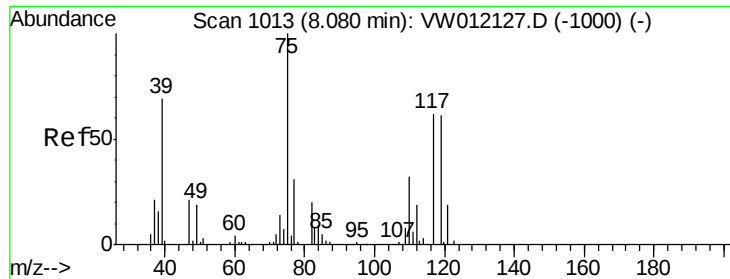
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.6
88	16.6	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.532 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012298.D
 Acq: 29 Aug 2019 13:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.3	16.2	24.2





#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-44-6.5-7.0RE

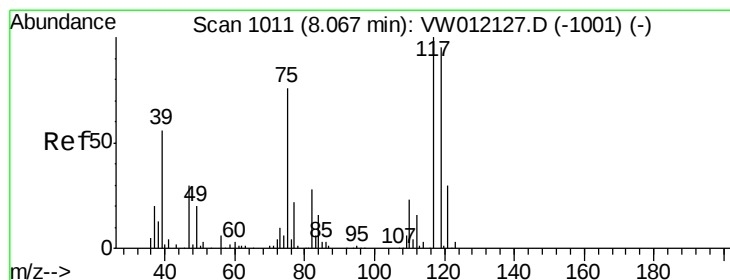
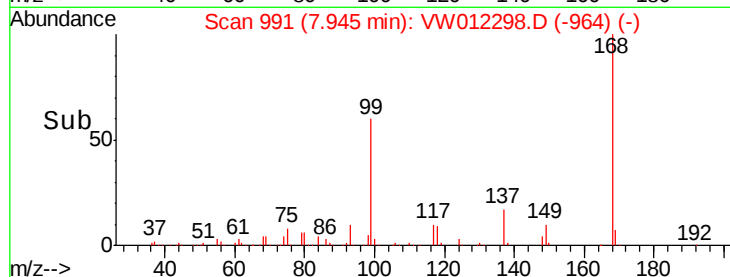
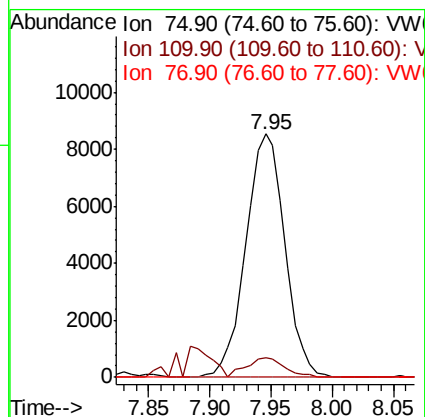
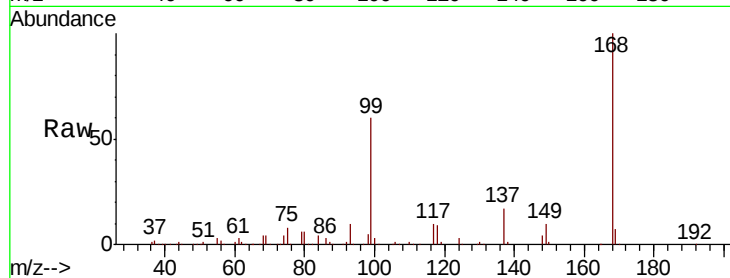
Tgt Ion: 75 Resp: 18935

Ion Ratio Lower Upper

75 100

110 8.0 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.935 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

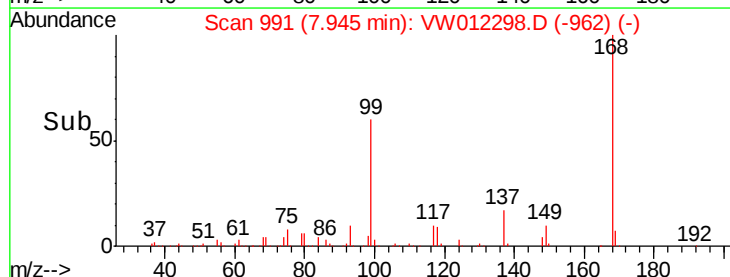
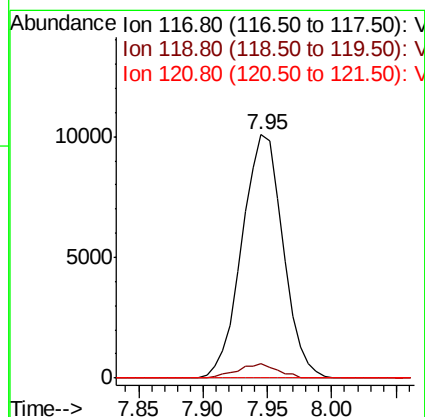
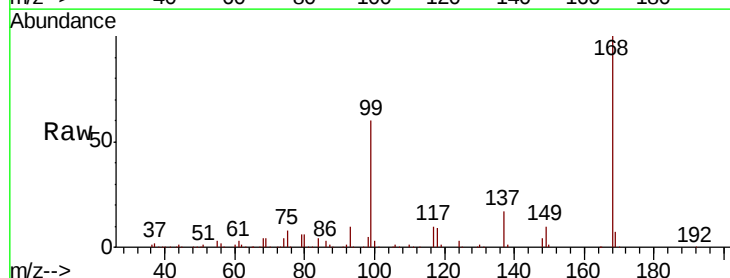
Tgt Ion: 117 Resp: 22322

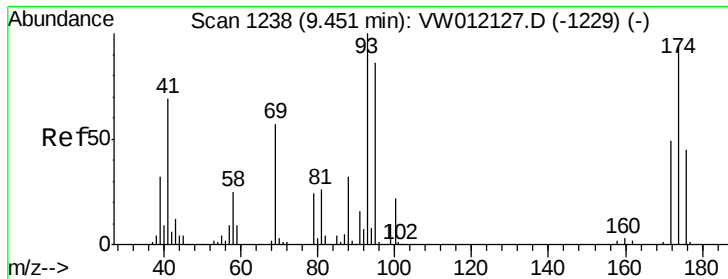
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.310 ug/l

RT: 9.72 min Scan# 1282

Delta R.T. 0.27 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

SB-44-6.5-7.0RE

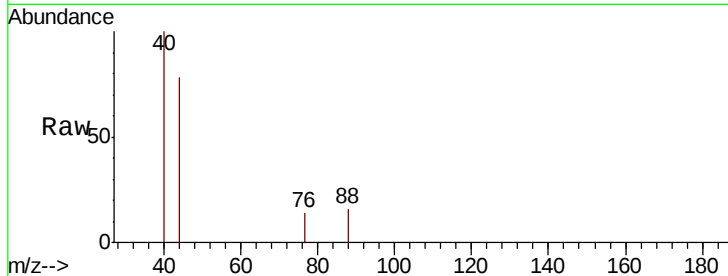
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 118.6 32.9 49.3#

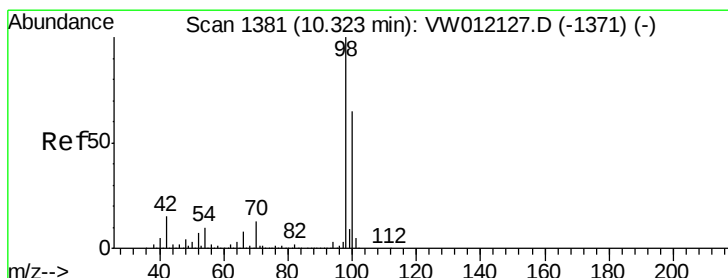
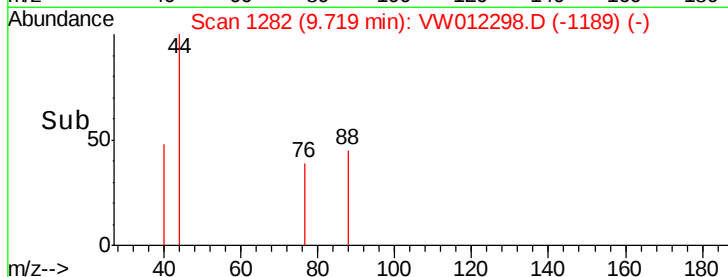
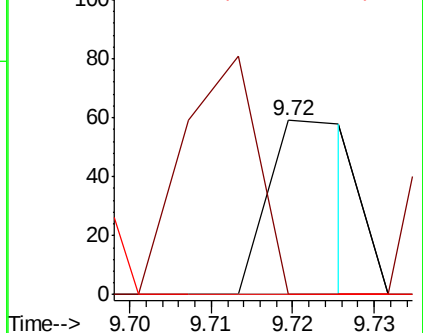
58 0.0 71.0 106.4#



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: 49.864 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012298.D

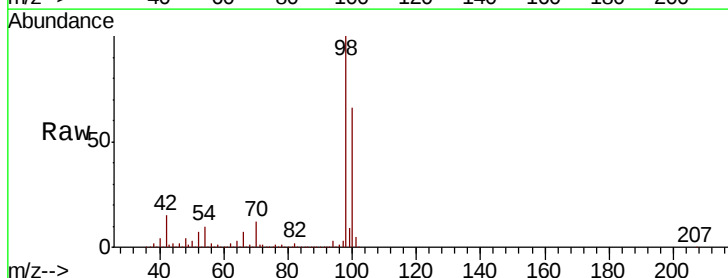
Acq: 29 Aug 2019 13:03

Tgt Ion: 98 Resp: 434318

Ion Ratio Lower Upper

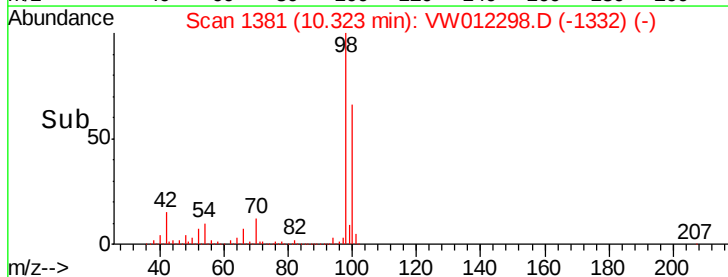
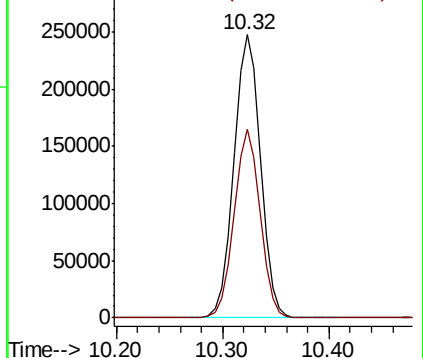
98 100

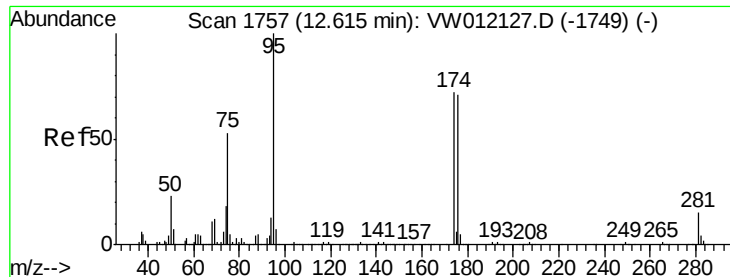
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 34.218 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampled :

SB-44-6.5-7.0RE

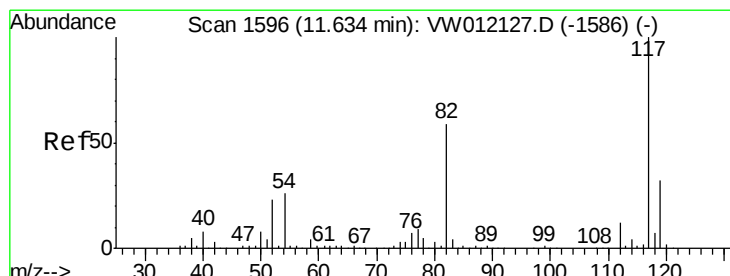
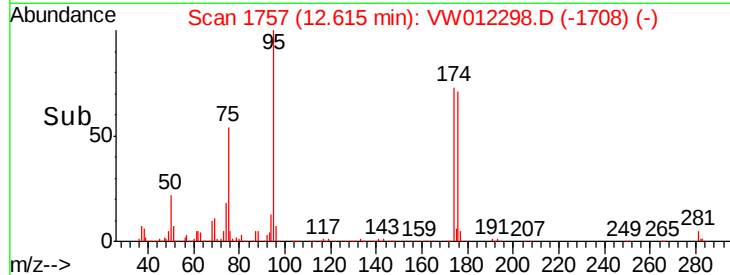
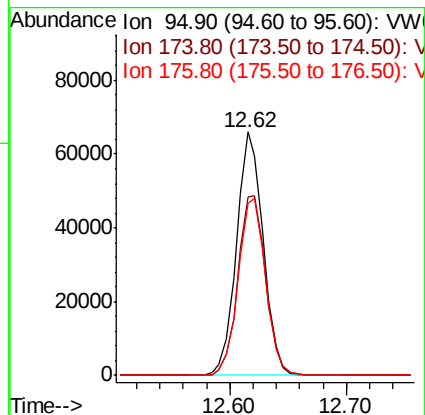
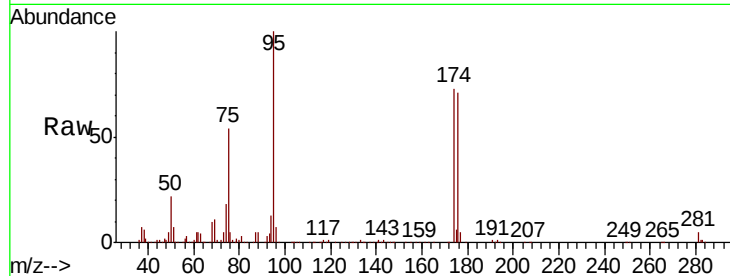
Tgt Ion: 95 Resp: 105060

Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.8

176 74.6 0.0 148.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

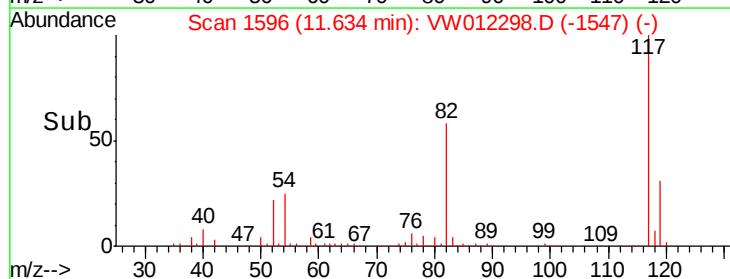
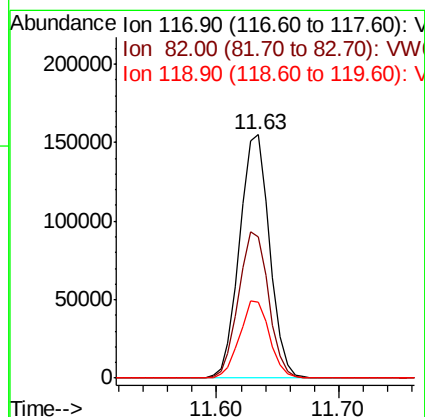
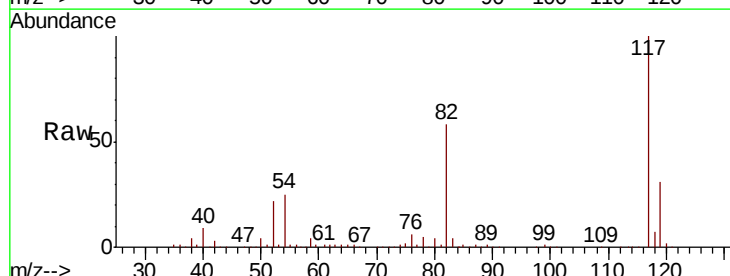
Tgt Ion: 117 Resp: 263900

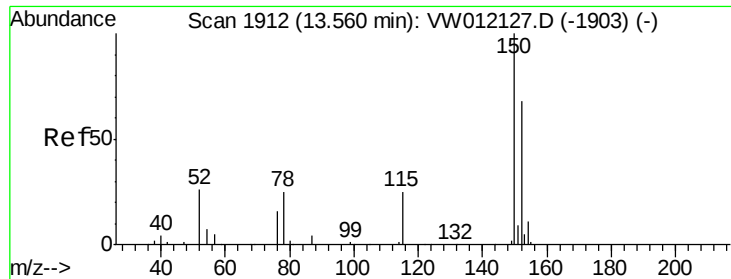
Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.2

119 31.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-44-6.5-7.0RE

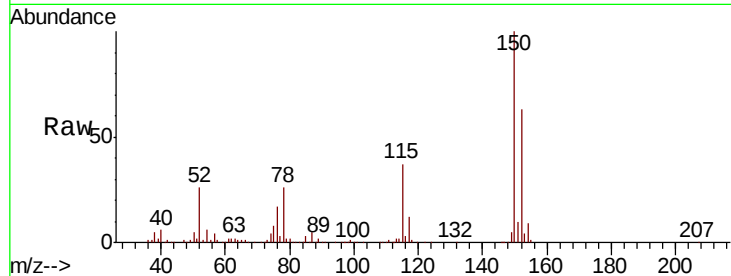
Tgt Ion:152 Resp: 80236

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

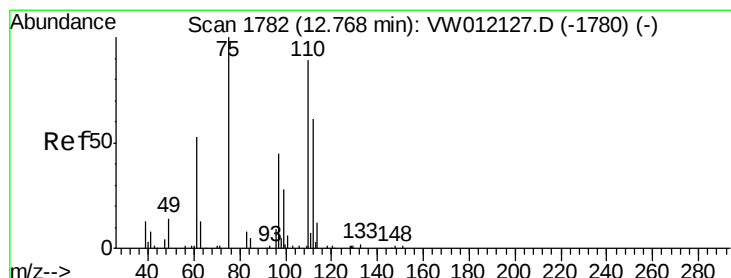
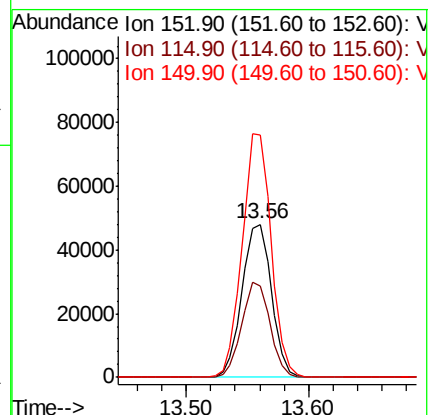
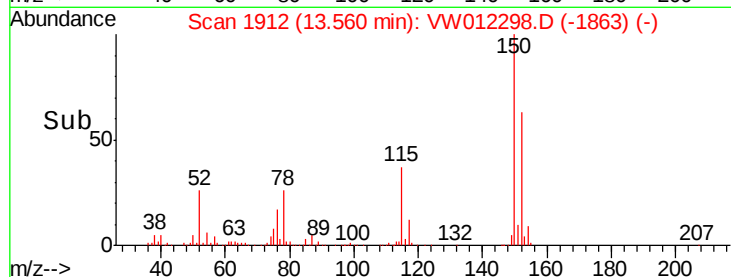
150 155.7 0.0 345.8



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: 71.556 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012298.D

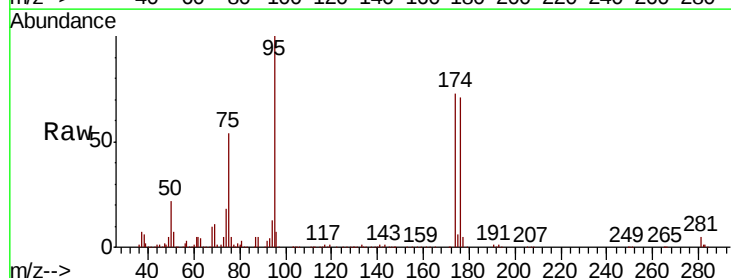
Acq: 29 Aug 2019 13:03

Tgt Ion: 75 Resp: 55917

Ion Ratio Lower Upper

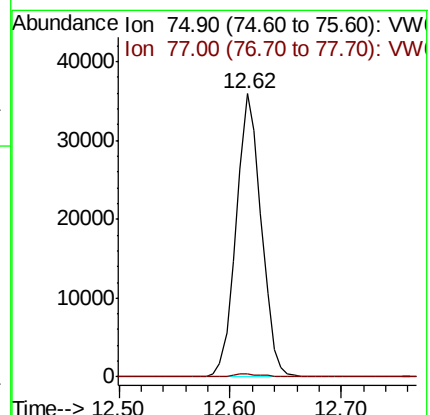
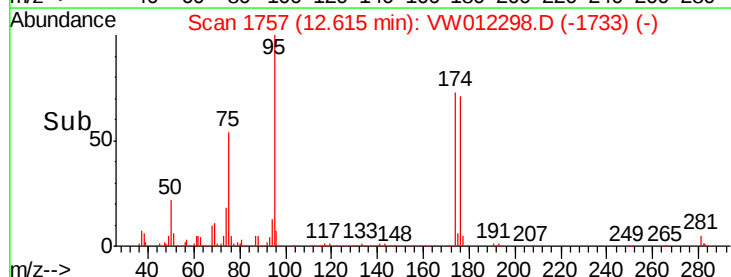
75 100

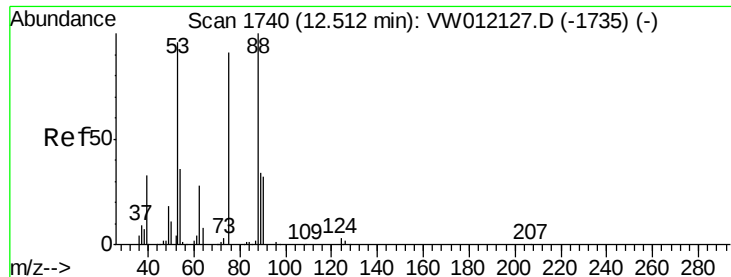
77 1.4 0.0 0.0#



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: 156.890 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

SB-44-6.5-7.0RE

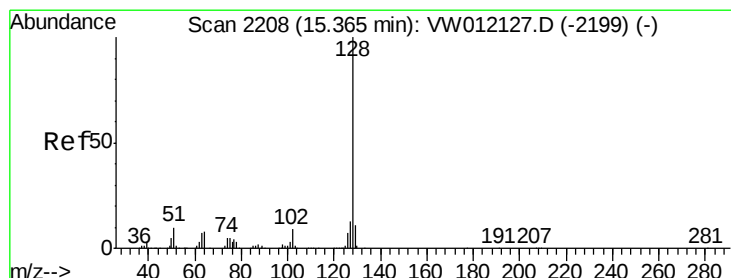
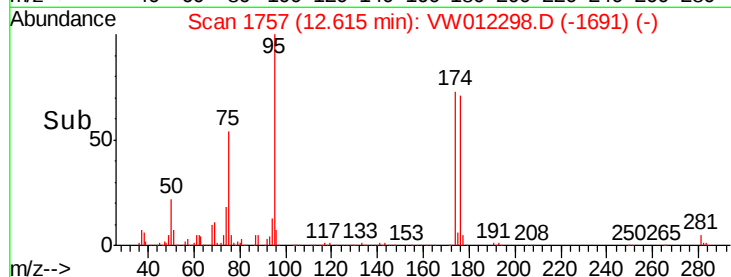
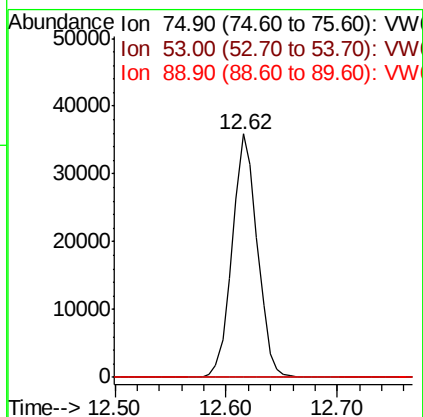
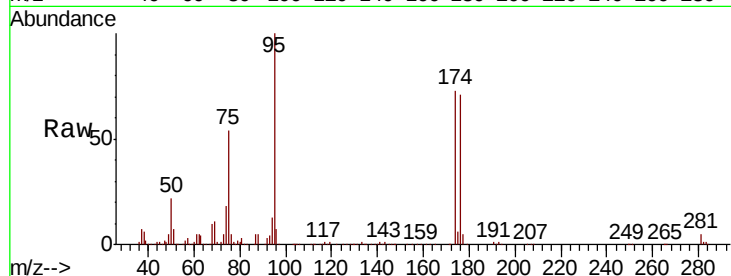
Tgt Ion: 75 Resp: 55917

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.529 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012298.D

Acq: 29 Aug 2019 13:03

Tgt Ion: 128 Resp: 690

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

