

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012383.D
 Acq On : 31 Aug 2019 06:48
 Operator : SY/VA
 Sample : K4568-09RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 11:13:35 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	177320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	182317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36779	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	124701	59.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.32%	
35) Dibromofluoromethane	7.88	113	97642	57.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.06%	
50) Toluene-d8	10.32	98	331879	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.62	95	59265	24.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	48.44%	

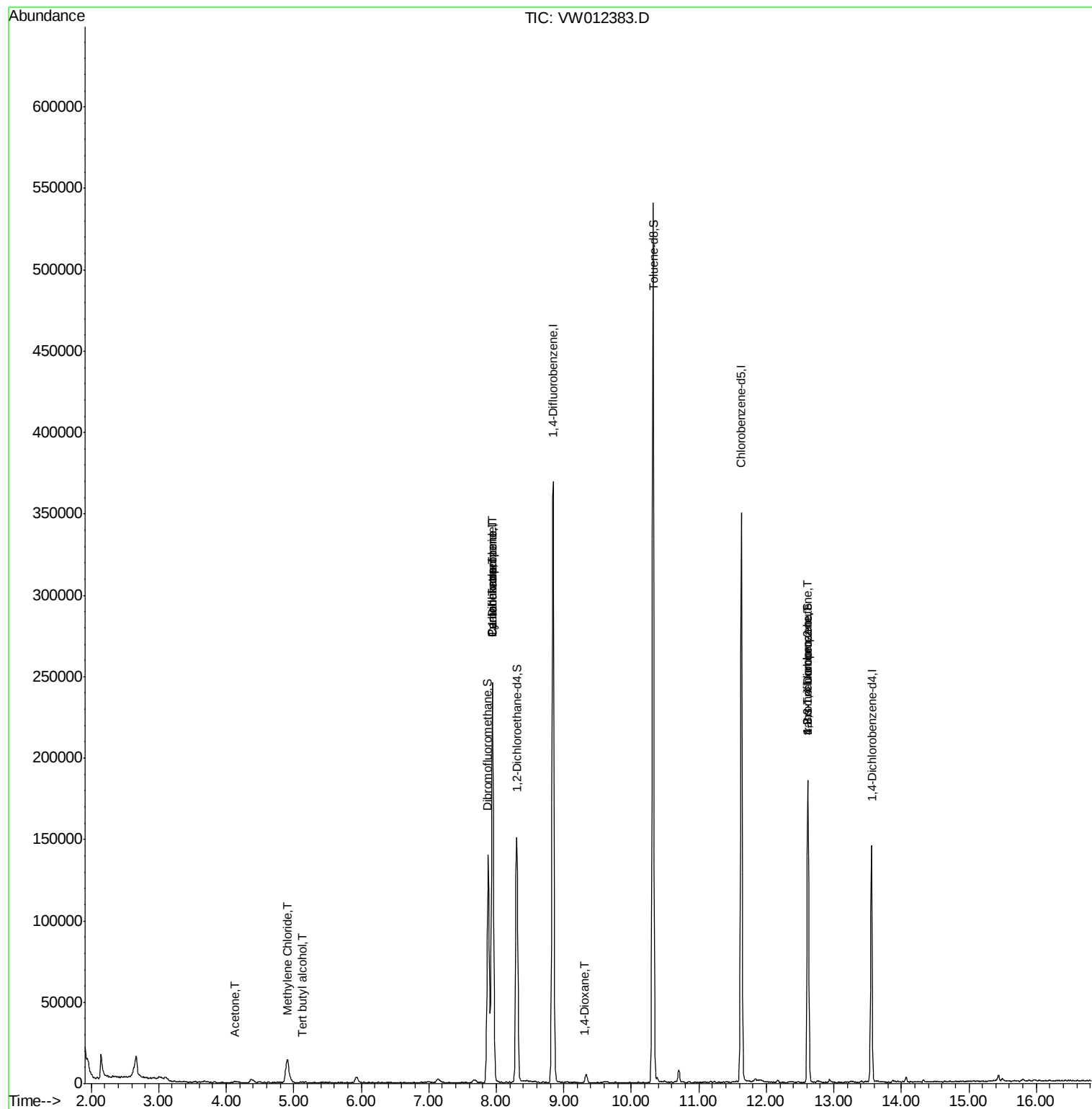
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	225	1.774	ug/l #	71
16) Acetone	4.12	43	1524	2.828	ug/l #	83
20) Methylene Chloride	4.90	84	10400	5.106	ug/l	97
31) Cyclohexane	7.94	56	5126	1.350	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	15911	5.368	ug/l #	52
38) Carbon Tetrachloride	7.95	117	17899	6.977	ug/l #	17
49) 1,4-Dioxane	9.30	88	20	1.348	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	32120	89.670	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32120	196.605	ug/l #	6

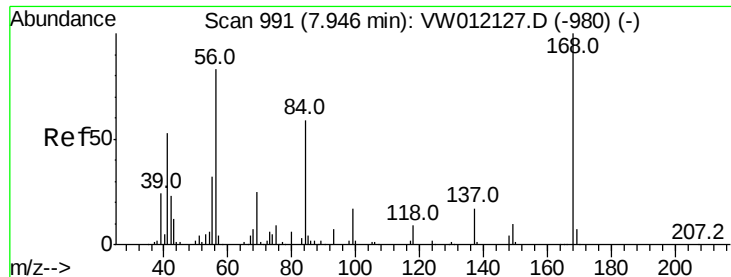
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012383.D

Acq: 31 Aug 2019 06:48

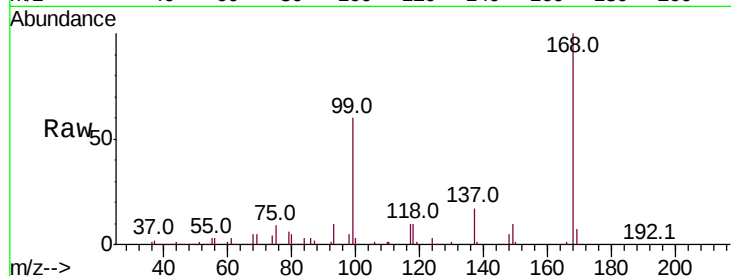
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 177320

Ion Ratio Lower Upper

168 100

99 60.0 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

80000

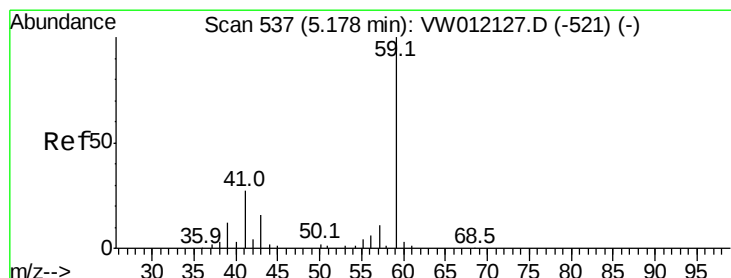
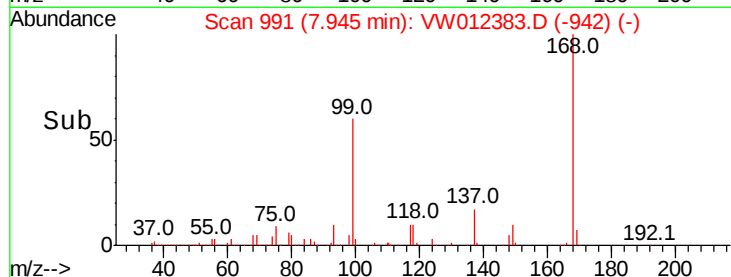
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.774 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.05 min

Lab File: VW012383.D

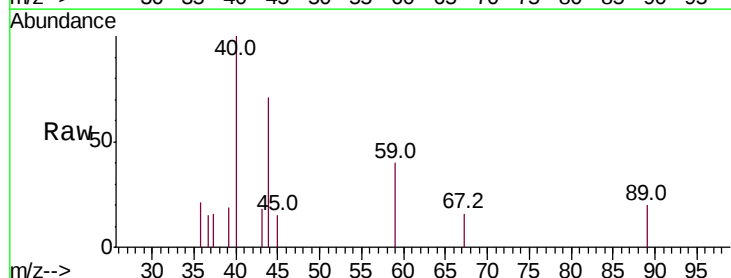
Acq: 31 Aug 2019 06:48

Tgt Ion: 59 Resp: 225

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

5.13

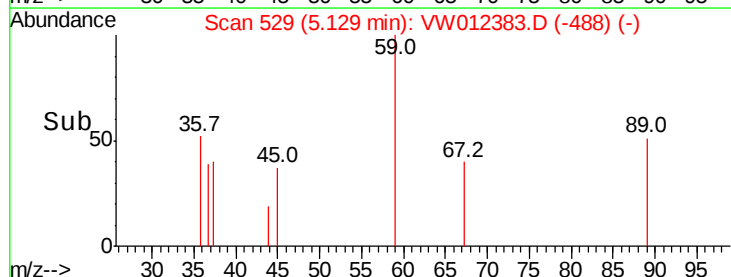
150

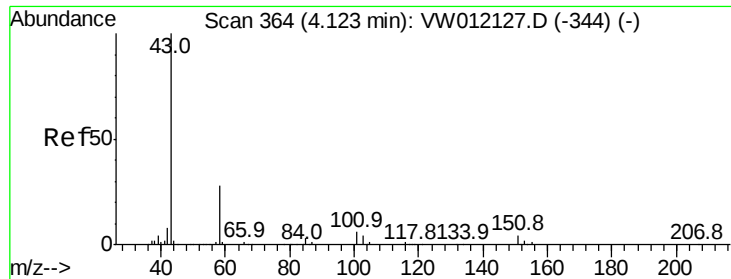
100

50

0

Time--> 5.10 5.15 5.20

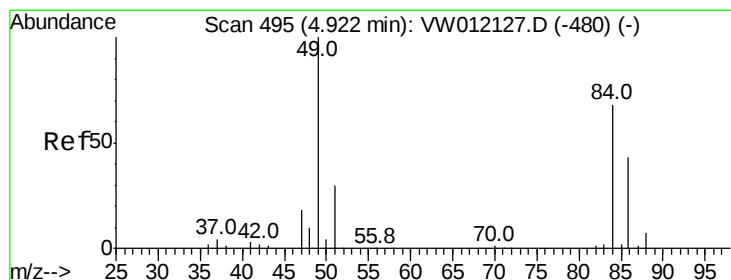
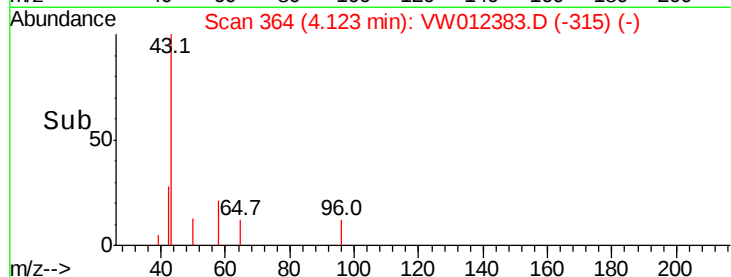
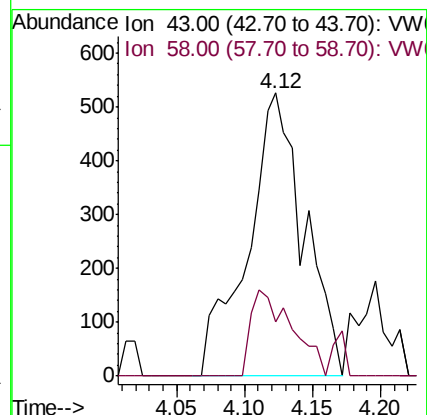
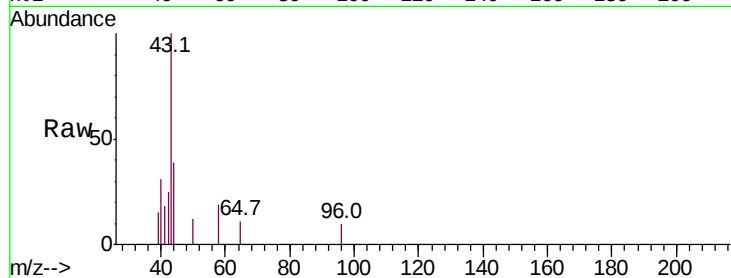




#16
Acetone
Concen: 2.828 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012383.D
Acq: 31 Aug 2019 06:48

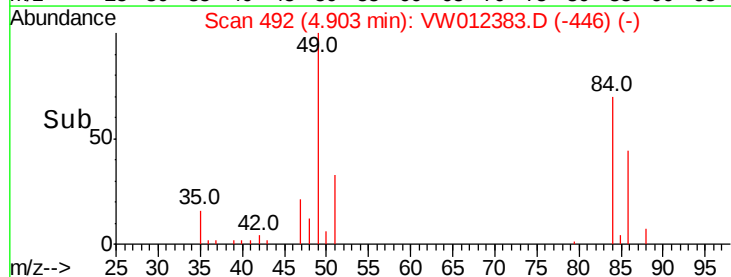
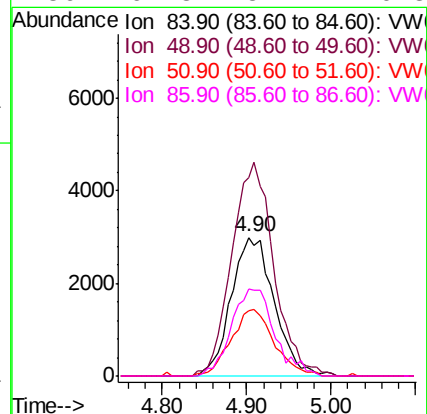
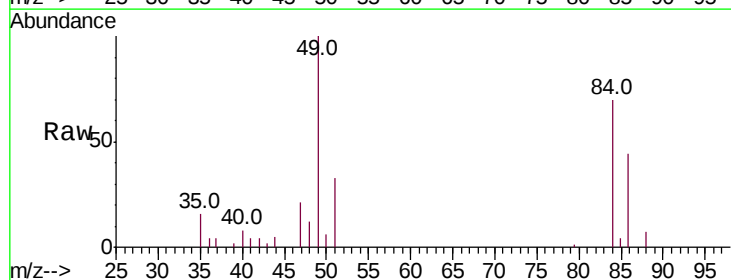
Instrument :
MSVOA_W
ClientSampleId :

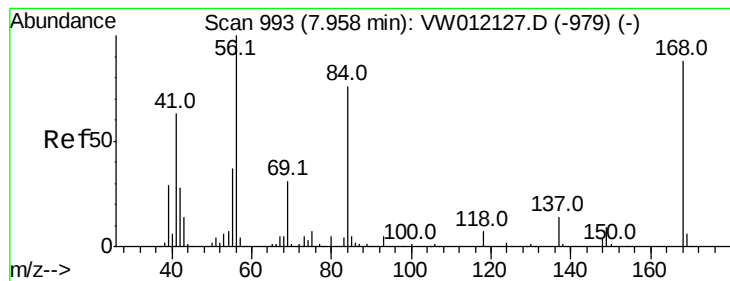
Tot Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 19.0 22.4 33.6#



#20
Methylene Chloride
Concen: 5.106 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012383.D
Acq: 31 Aug 2019 06:48

Tgt Ion: 84 Resp: 10400
Ion Ratio Lower Upper
84 100
49 142.5 117.8 176.8
51 46.7 35.6 53.4
86 62.8 51.2 76.8





#31

Cyclohexane

Concen: 1.350 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

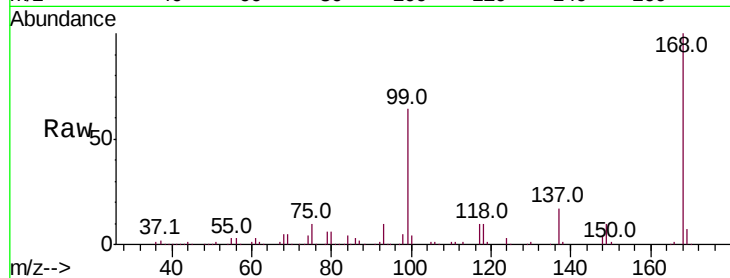
Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

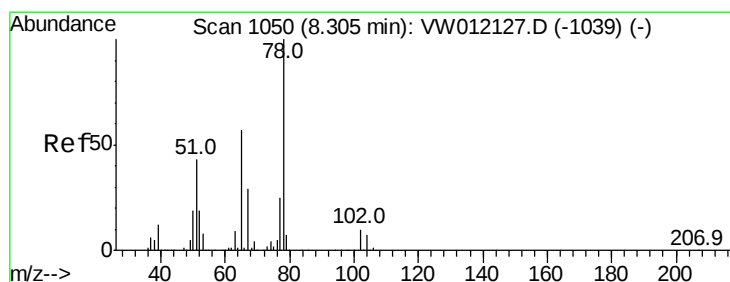
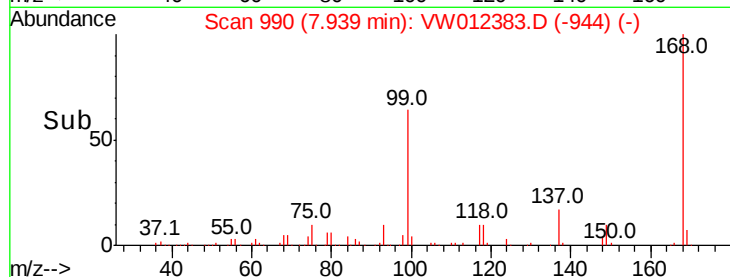
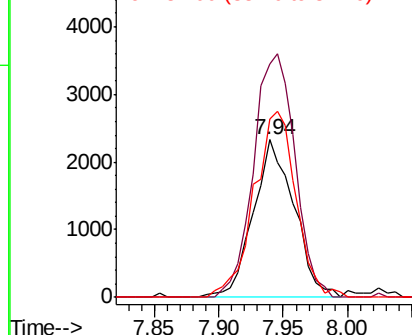
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5126

Ion	Ratio	Lower	Upper
56	100		
69	148.3	24.9	37.3#
84	117.2	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: 59.159 ug/l

RT: 8.30 min Scan# 1050

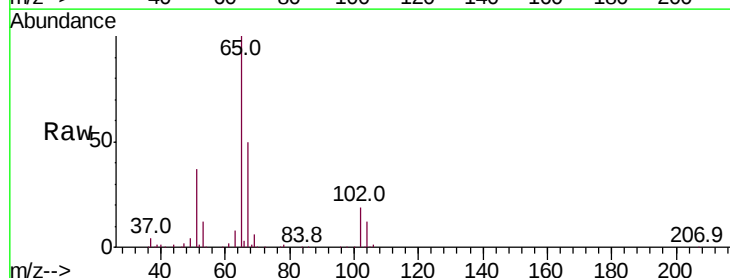
Delta R.T. -0.00 min

Lab File: VW012383.D

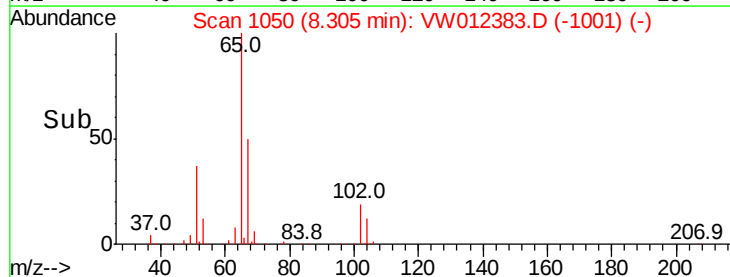
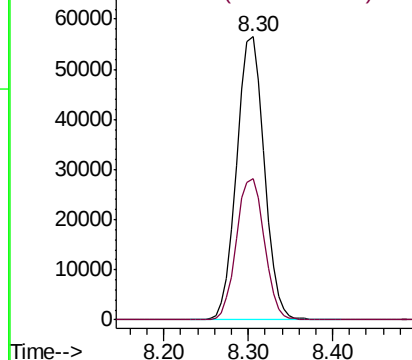
Acq: 31 Aug 2019 06:48

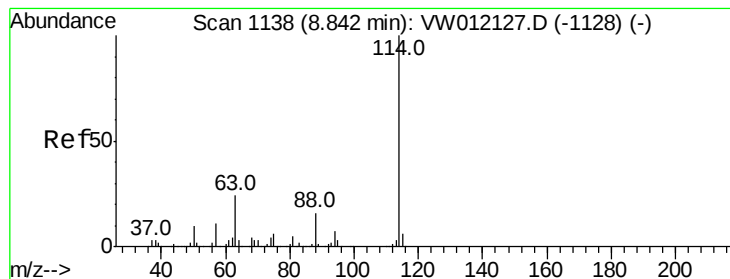
Tgt Ion: 65 Resp: 124701

Ion	Ratio	Lower	Upper
65	100		
67	50.4	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: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA_W

ClientSampleId :

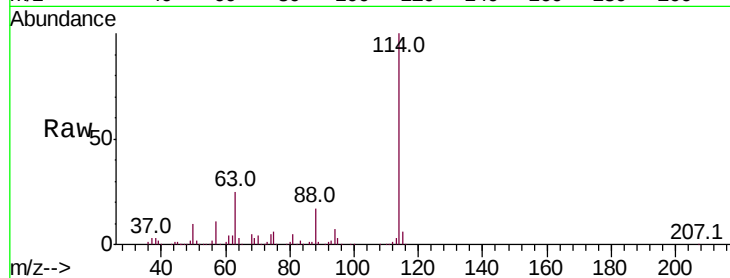
Tot Ion:114 Resp: 286844

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.6

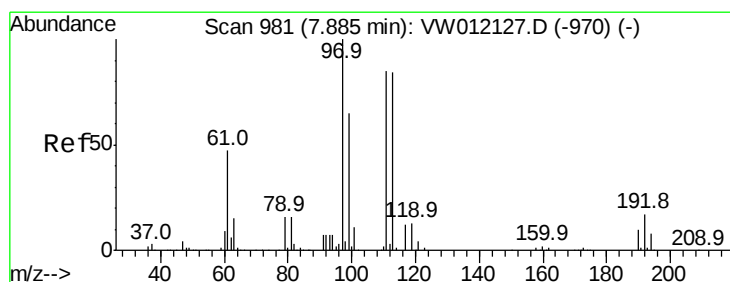
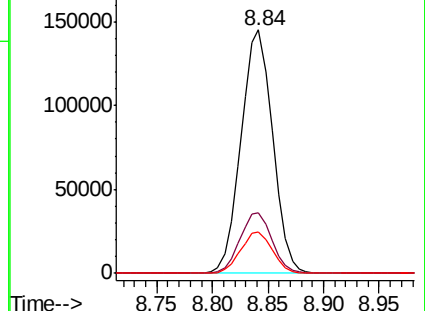
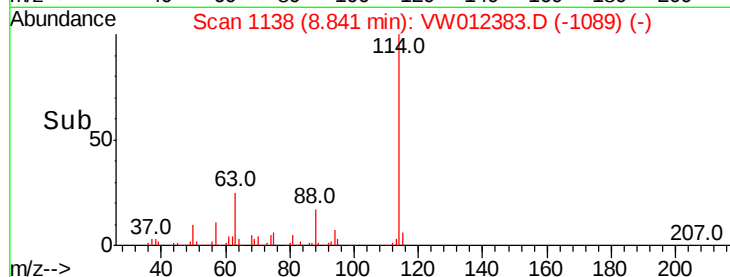
88 16.8 0.0 32.2



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: 57.028 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

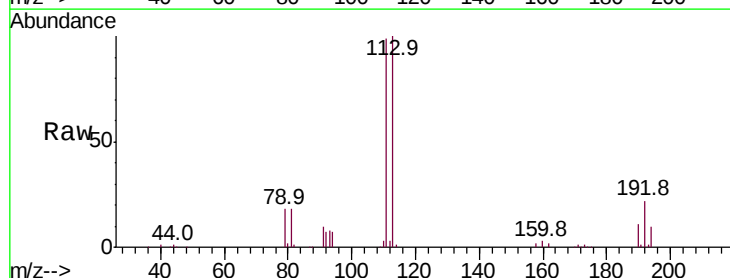
Tgt Ion:113 Resp: 97642

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

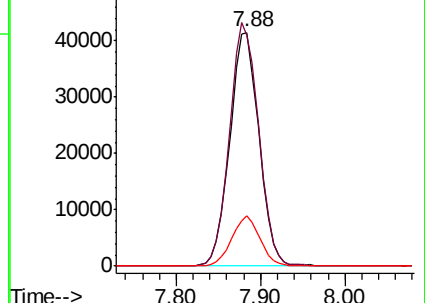
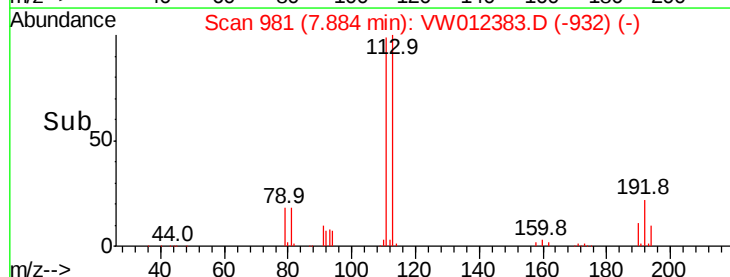
192 20.6 16.2 24.2

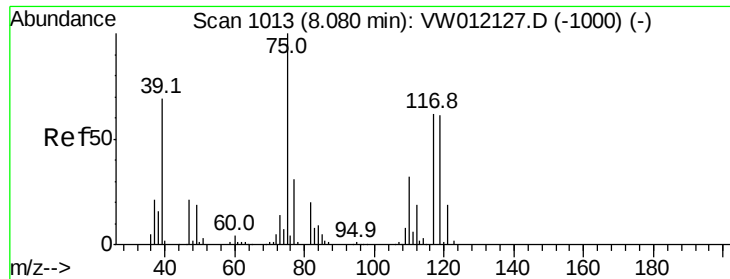


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

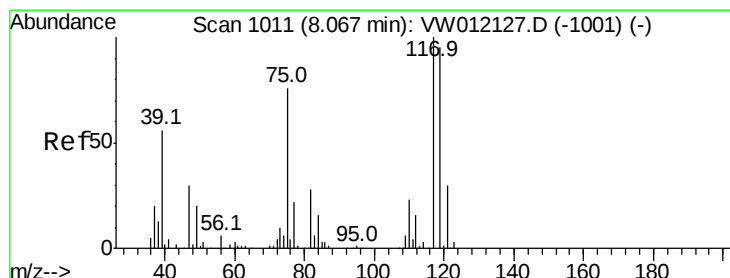
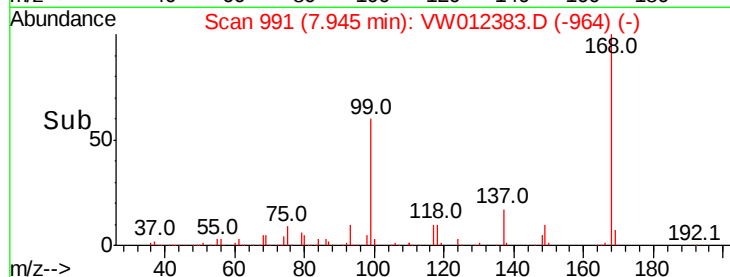
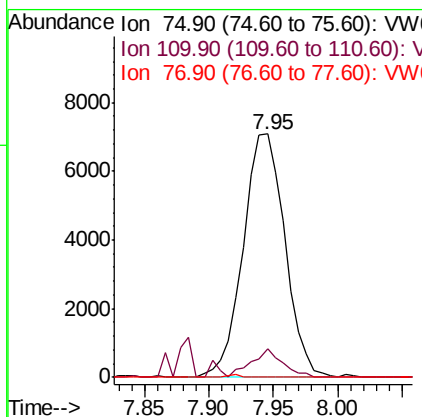
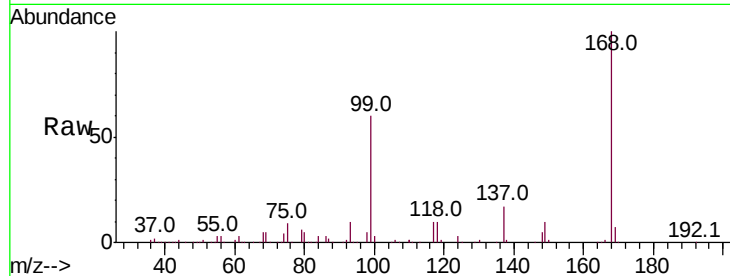




#36
 1,1-Dichloropropene
 Concen: 5.368 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012383.D
 Acq: 31 Aug 2019 06:48

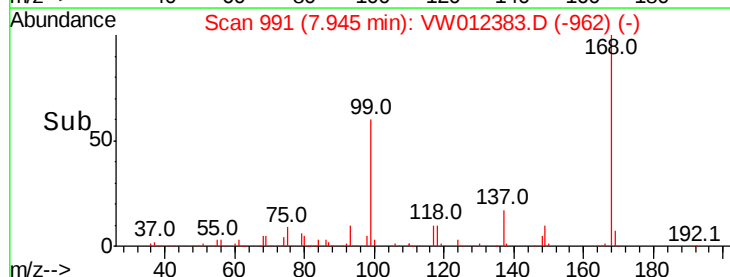
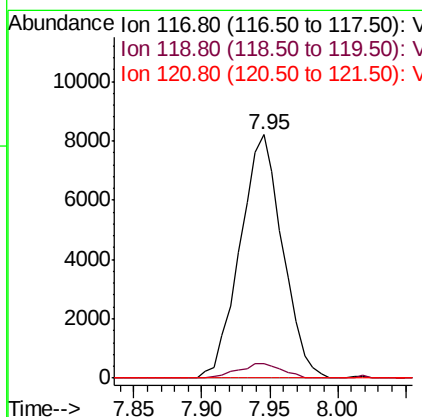
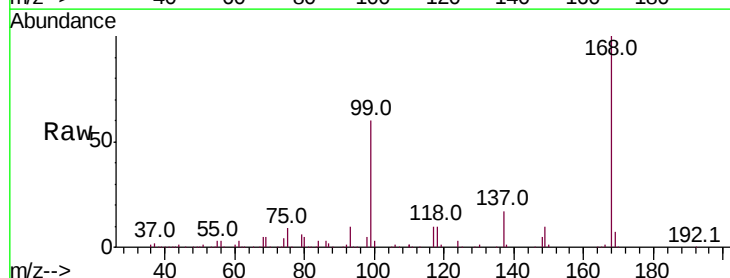
Instrument :
 MSVOA_W
 ClientSampleId :

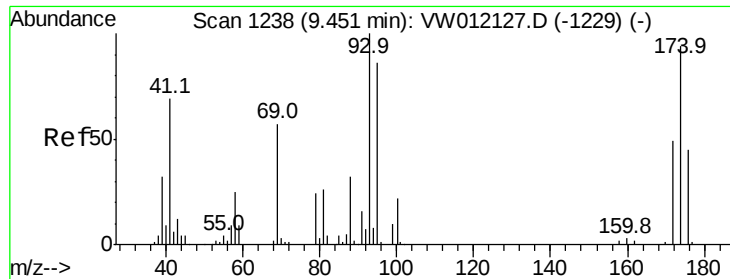
Tot Ion: 75 Resp: 15911
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.977 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012383.D
 Acq: 31 Aug 2019 06:48

Tgt Ion: 117 Resp: 17899
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.348 ug/l

RT: 9.30 min Scan# 1214

Delta R.T. -0.15 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :
MSVOA_W
ClientSampleId :

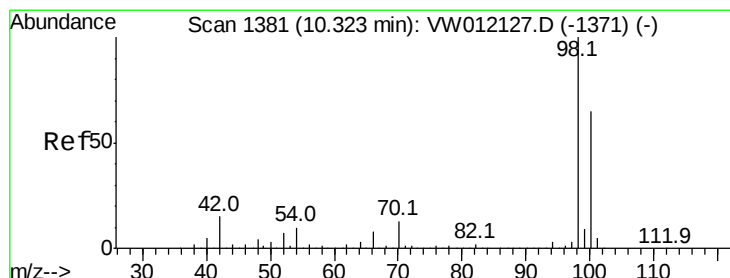
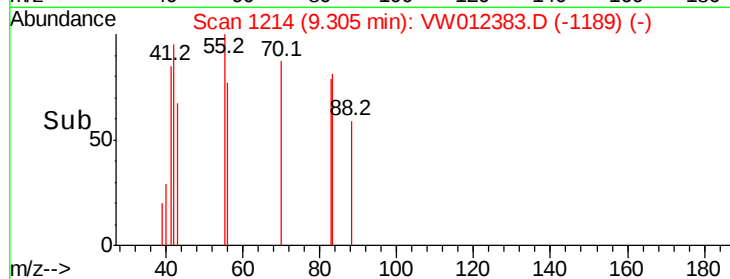
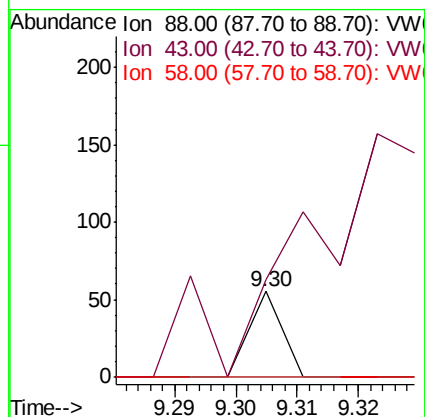
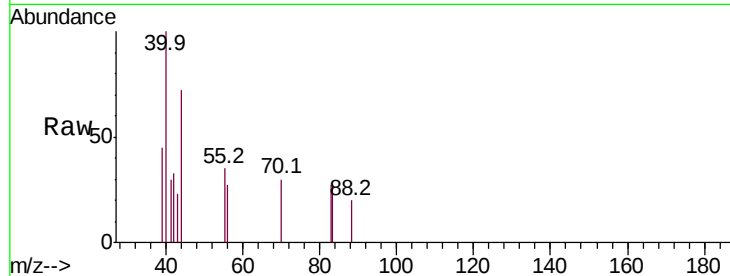
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 2220.0 32.9 49.3#

58 0.0 71.0 106.4#



#50

Toluene-d8

Concen: 47.805 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012383.D

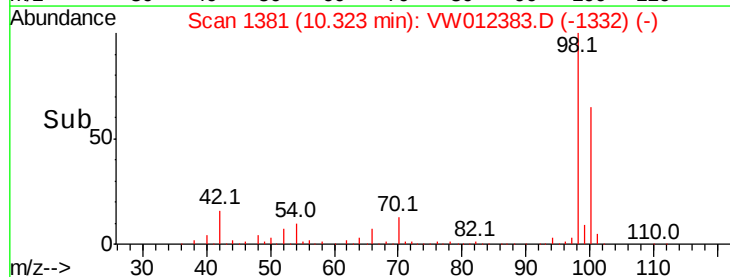
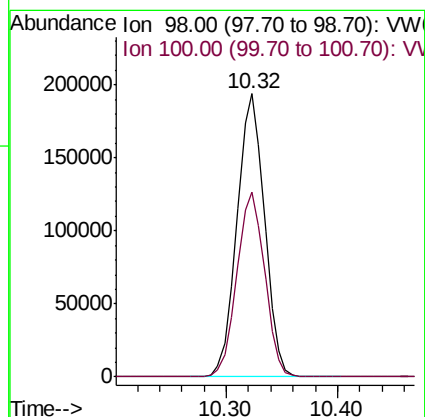
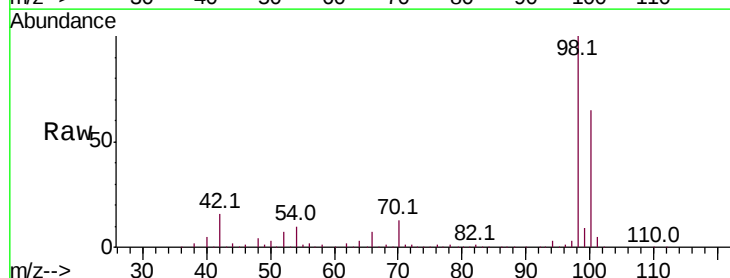
Acq: 31 Aug 2019 06:48

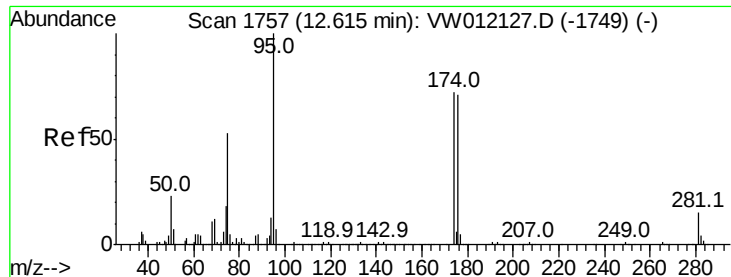
Tgt Ion: 98 Resp: 331879

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 24.218 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA_W

ClientSampleId :

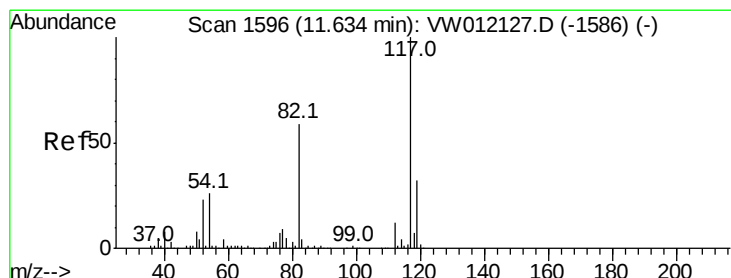
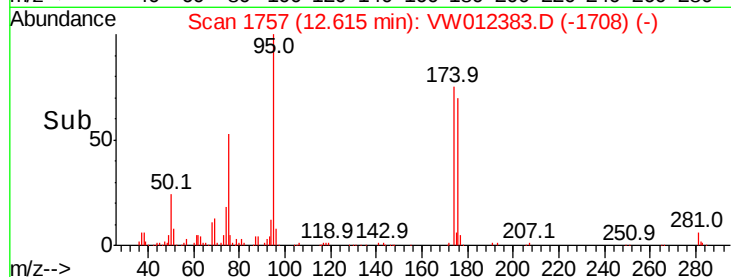
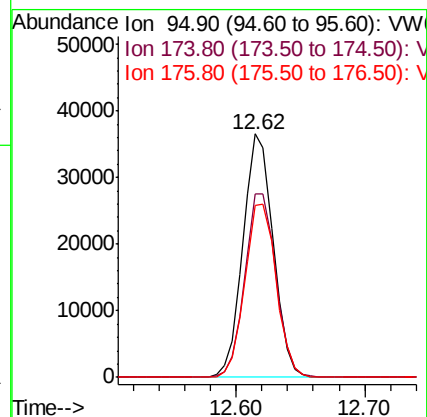
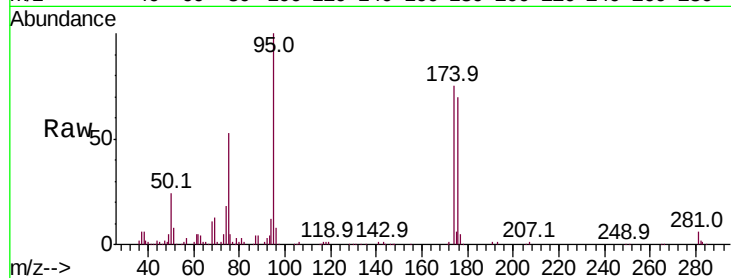
Tot Ion: 95 Resp: 59265

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.8

176 73.6 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: VW012383.D

Acq: 31 Aug 2019 06:48

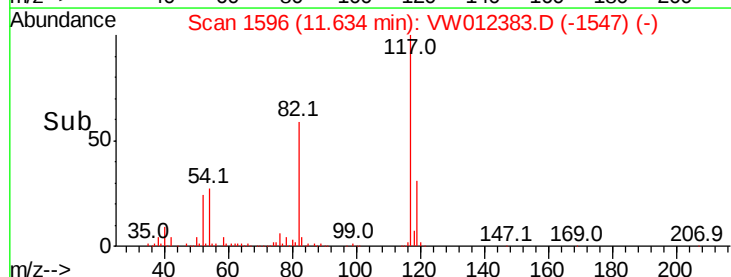
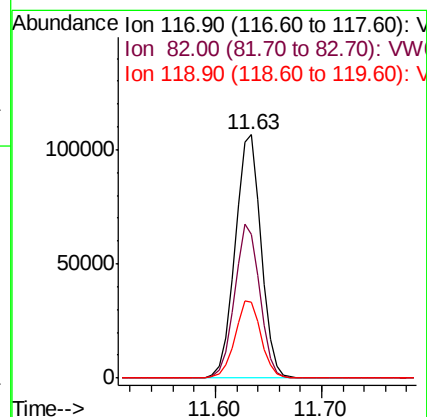
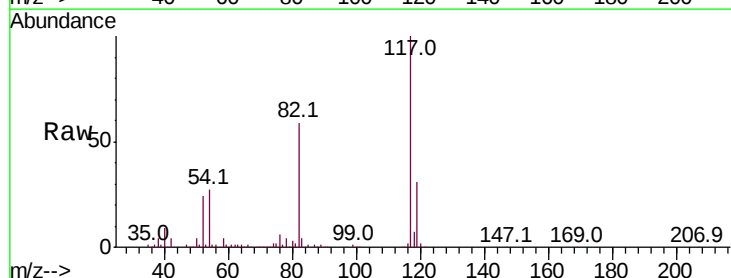
Tgt Ion: 117 Resp: 182317

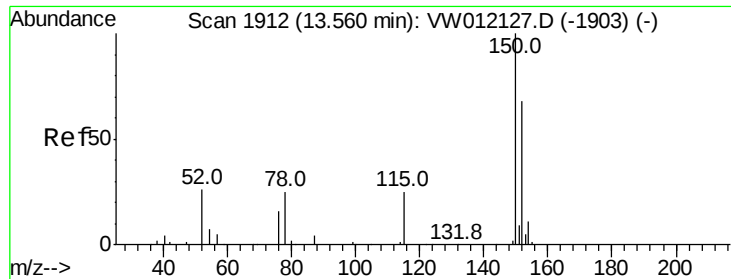
Ion Ratio Lower Upper

117 100

82 58.8 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: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA_W

ClientSampleId :

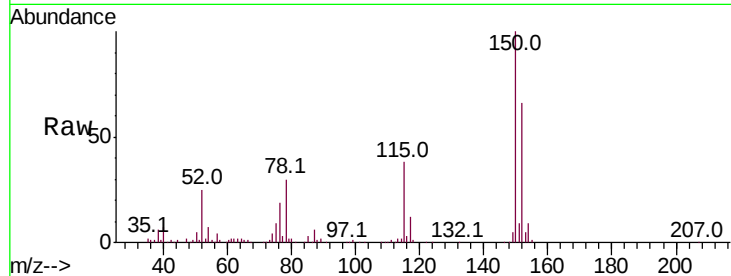
Tot Ion:152 Resp: 36779

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

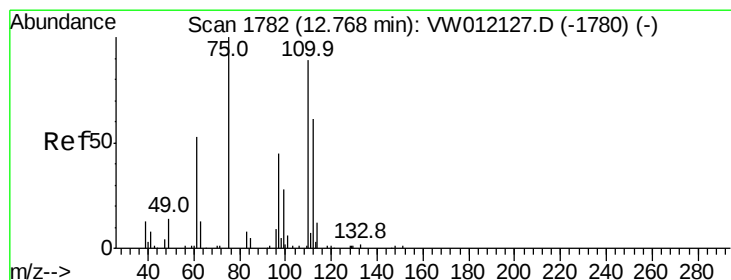
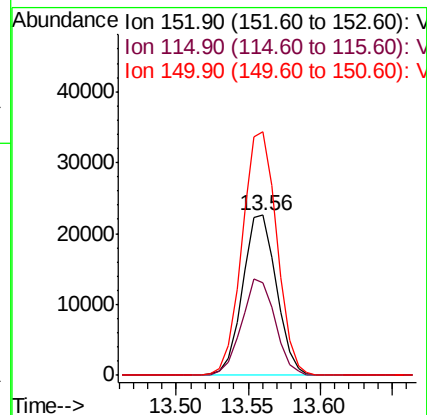
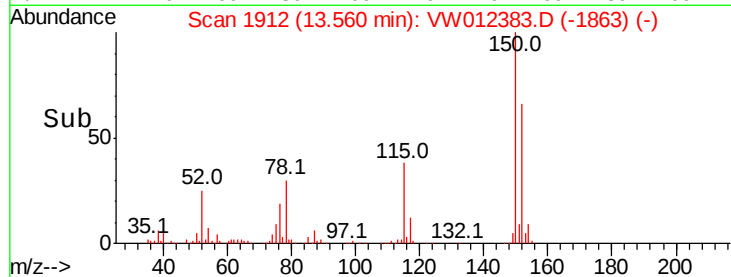
150 156.0 0.0 345.8



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: 89.670 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012383.D

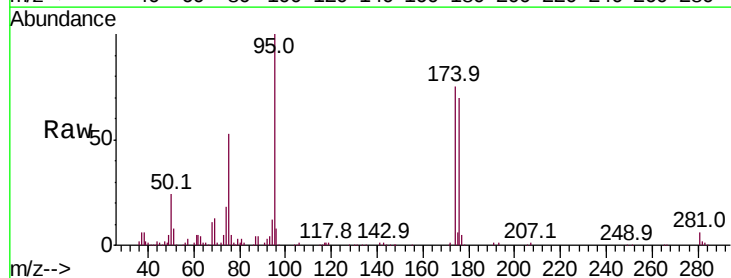
Acq: 31 Aug 2019 06:48

Tgt Ion: 75 Resp: 32120

Ion Ratio Lower Upper

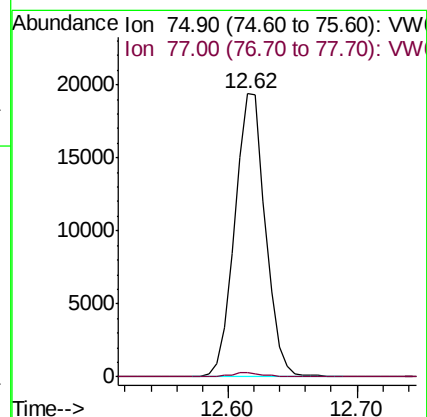
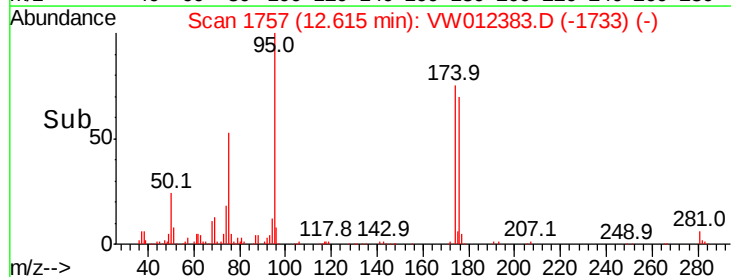
75 100

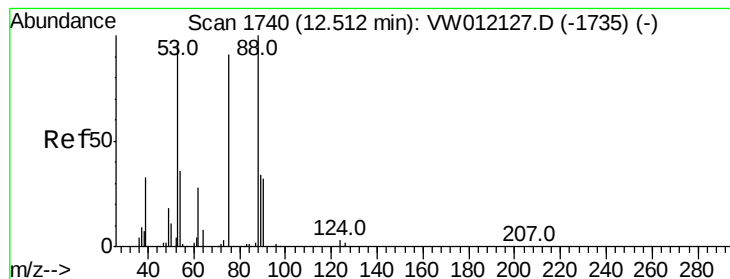
77 1.5 0.0 0.0#



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: 196.605 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012383.D

Acq: 31 Aug 2019 06:48

Instrument :

MSVOA_W

ClientSampleId :

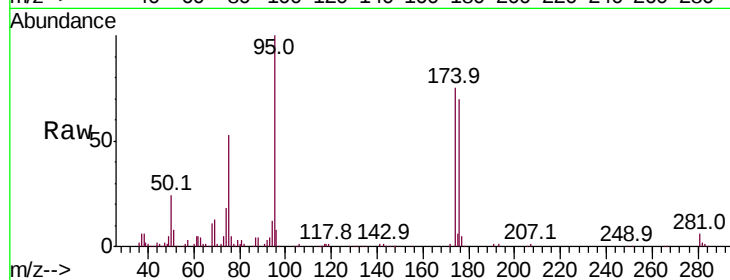
Tot Ion: 75 Resp: 32120

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



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

