

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011961.D
 Acq On : 16 Aug 2019 13:35
 Operator : SY/VA
 Sample : K4339-09RE
 Misc : 5.38G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(4)RE

Quant Time: Aug 17 04:59:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69566	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	140238	56.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.64%	
35) Dibromofluoromethane	7.88	113	112561	54.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.54%	
50) Toluene-d8	10.32	98	423918	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	106214	35.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.82%	

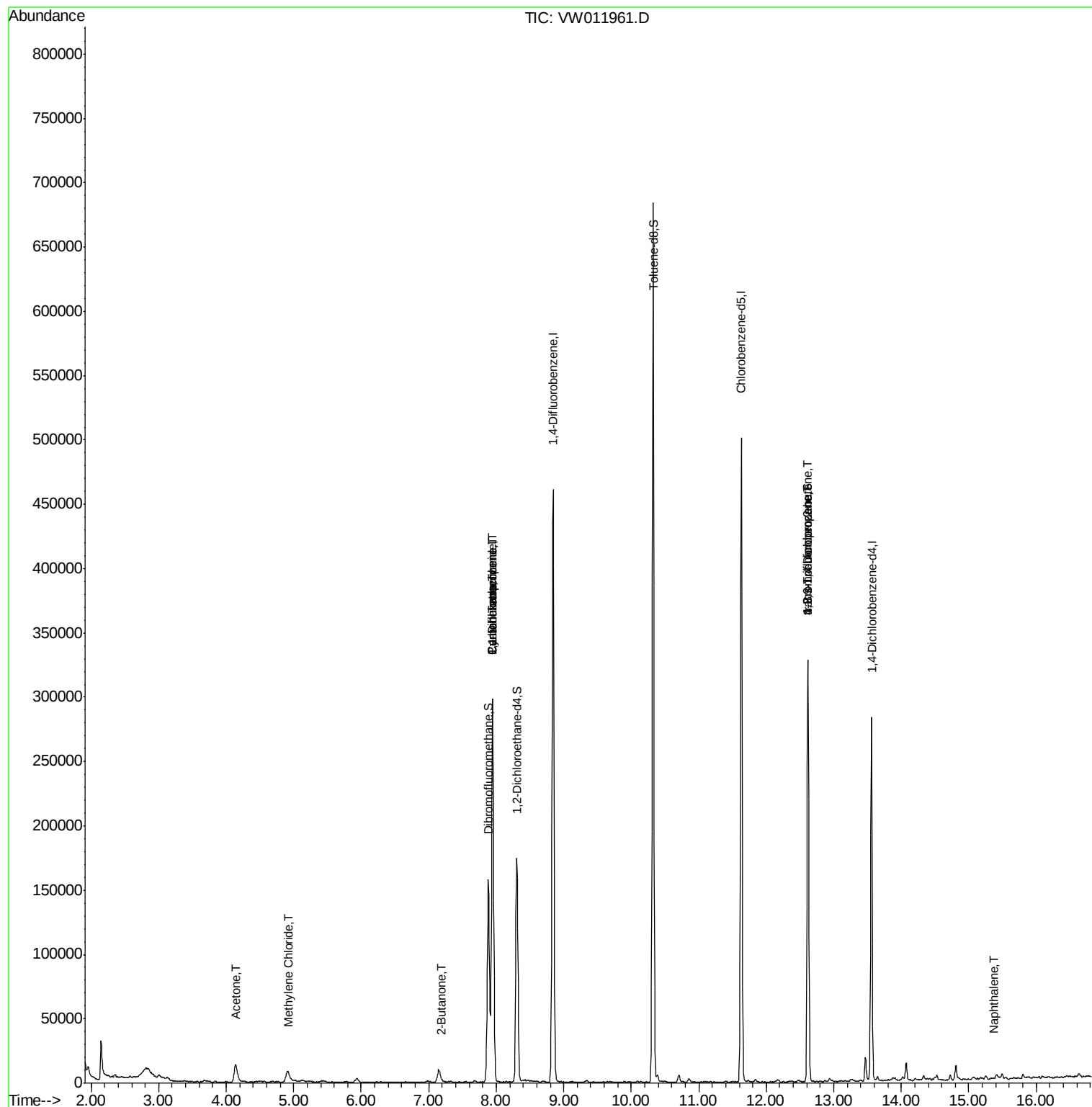
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	264	Below Cal	#	72
16) Acetone	4.14	43	29282	36.969	ug/l	99
20) Methylene Chloride	4.92	84	6245	2.286	ug/l	95
25) 2-Butanone	7.20	43	1081	1.043	ug/l	93
31) Cyclohexane	7.94	56	5523	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18990	4.986	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21315	6.537	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	56827	77.201	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56827	177.922	ug/l #	6
95) Naphthalene	15.36	128	984	2.409	ug/l #	92

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

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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: VW011961.D

Acq: 16 Aug 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

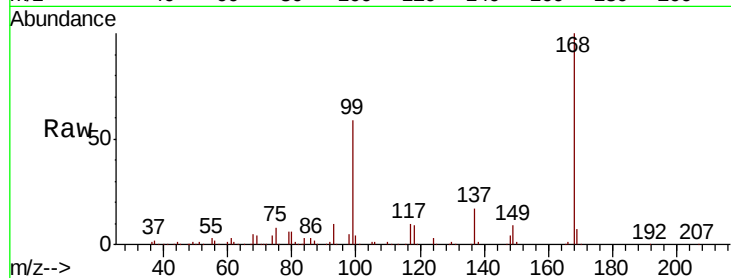
T8-A4-(4)RE

Tgt Ion:168 Resp: 216849

Ion Ratio Lower Upper

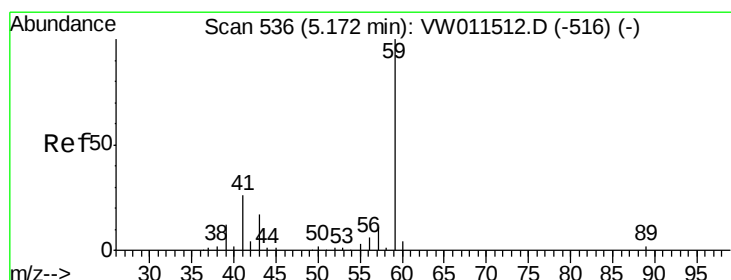
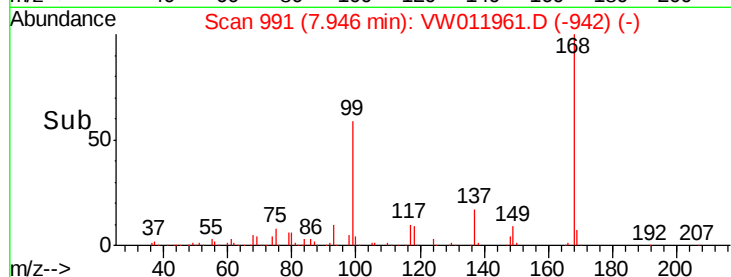
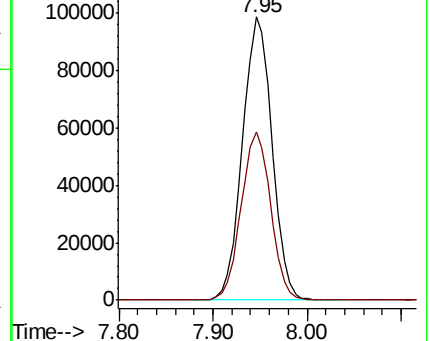
168 100

99 59.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.03 min

Lab File: VW011961.D

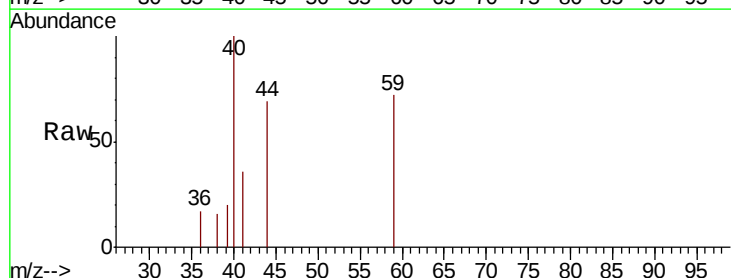
Acq: 16 Aug 2019 13:35

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

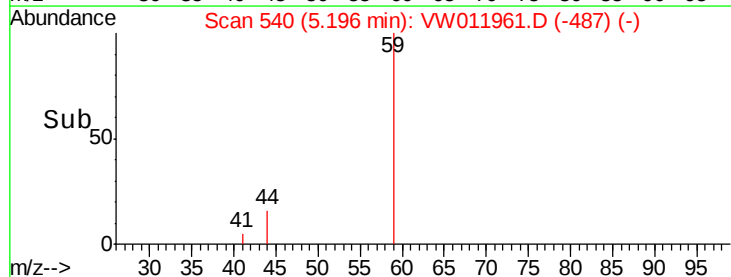
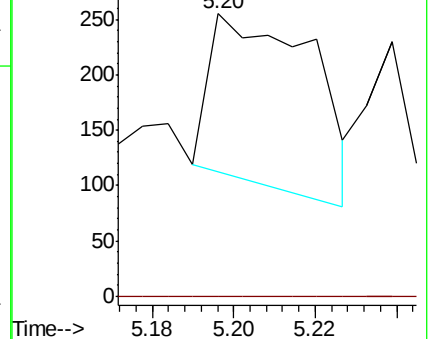
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 36.969 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

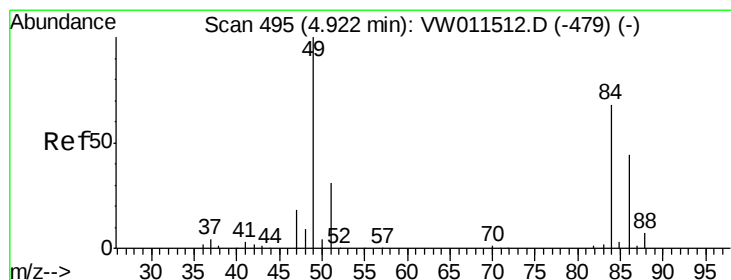
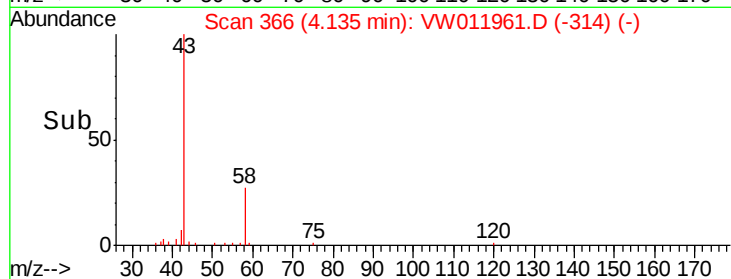
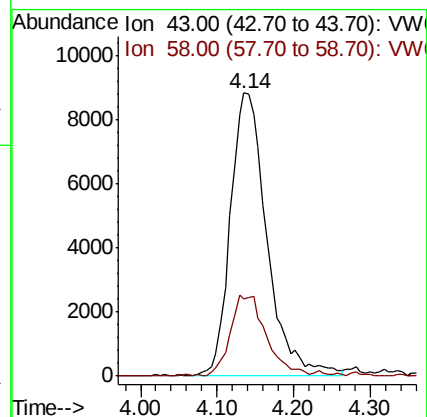
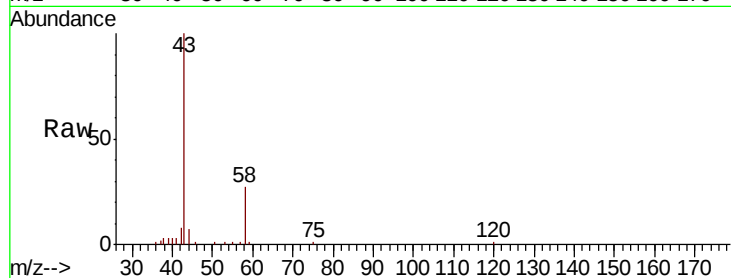
T8-A4-(4)RE

Tgt Ion: 43 Resp: 29282

Ion Ratio Lower Upper

43 100

58 27.3 22.3 33.5



#20

Methylene Chloride

Concen: 2.286 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Tgt Ion: 84 Resp: 6245

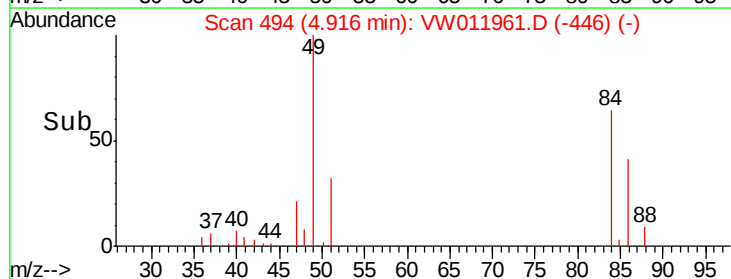
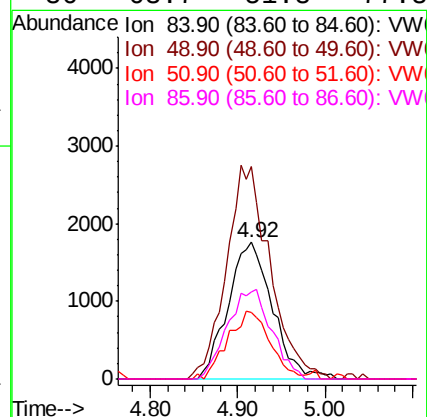
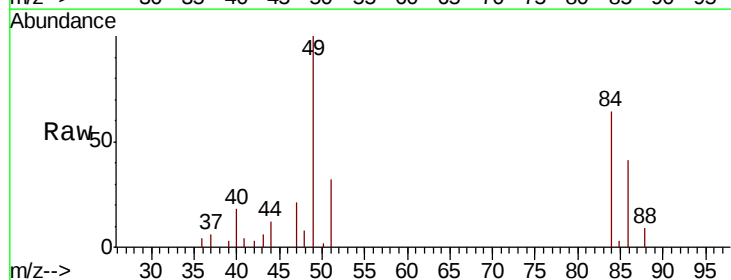
Ion Ratio Lower Upper

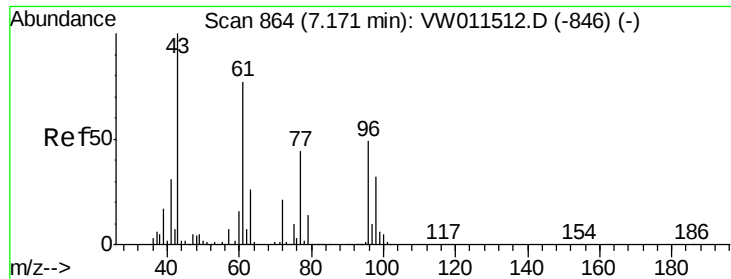
84 100

49 155.3 117.8 176.6

51 49.0 37.0 55.4

86 63.7 51.8 77.8





#25

2-Butanone

Concen: 1.043 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

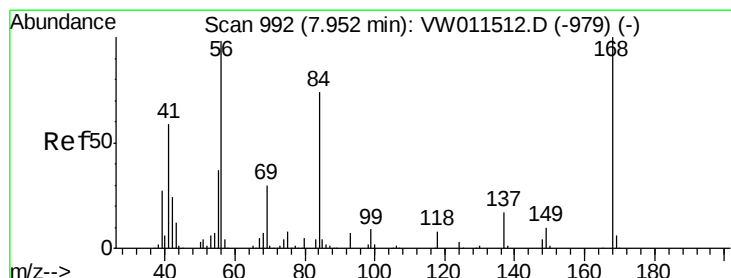
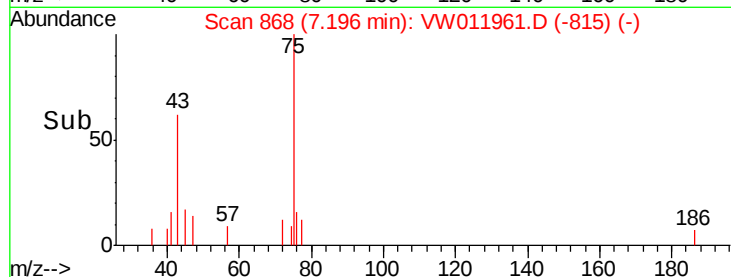
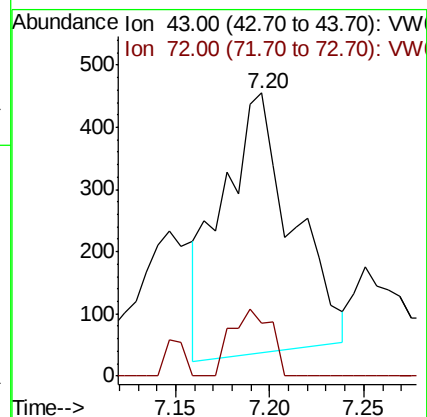
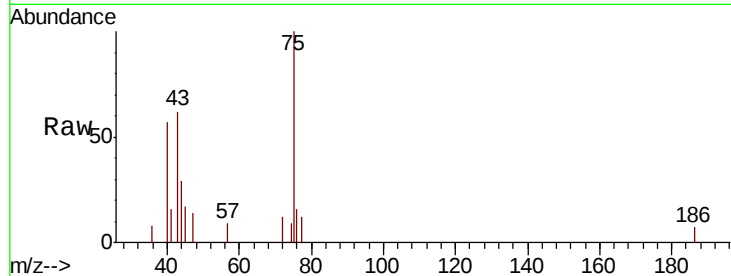
T8-A4-(4)RE

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

72 23.9 16.6 24.8



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

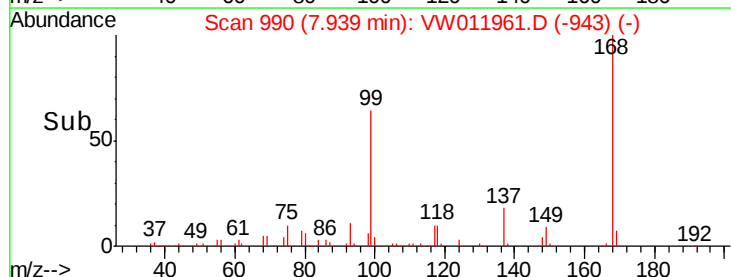
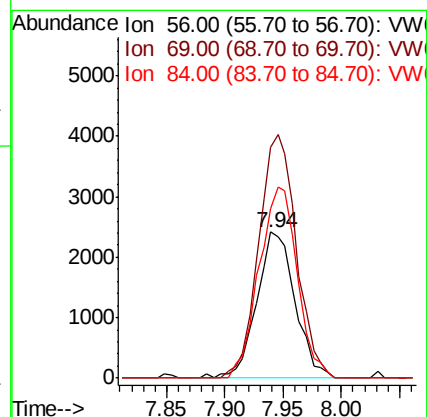
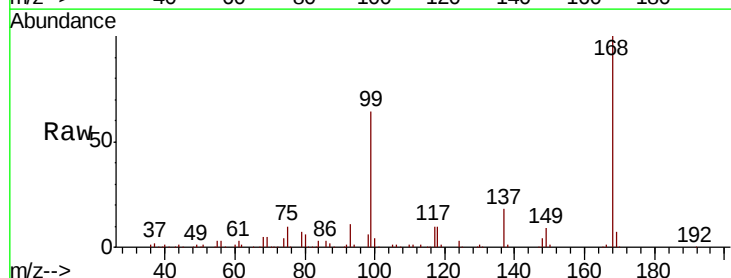
Tgt Ion: 56 Resp: 5523

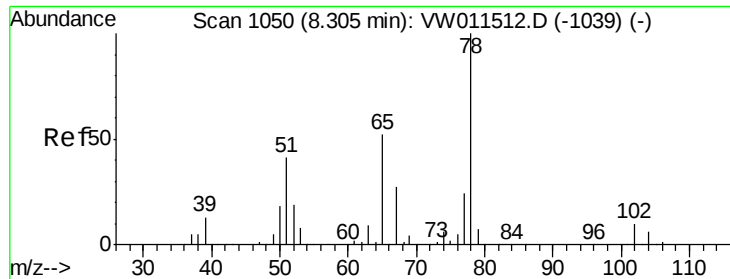
Ion Ratio Lower Upper

56 100

69 157.8 24.3 36.5#

84 115.5 60.4 90.6#

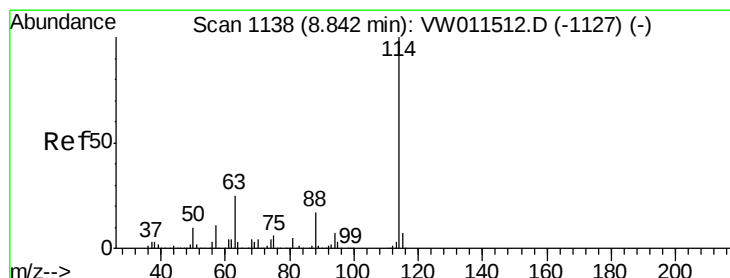
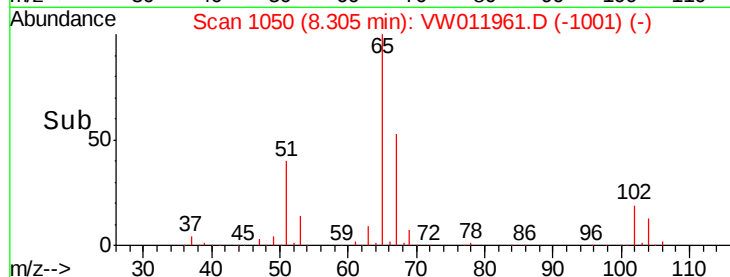
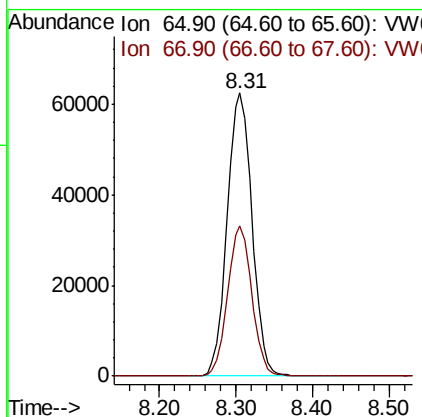
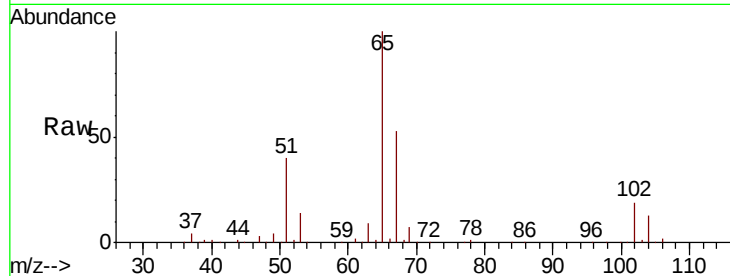




#33
 1,2-Dichloroethane-d4
 Concen: 56.320 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011961.D
 Acq: 16 Aug 2019 13:35

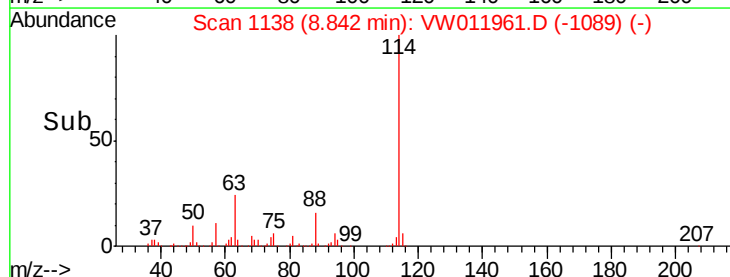
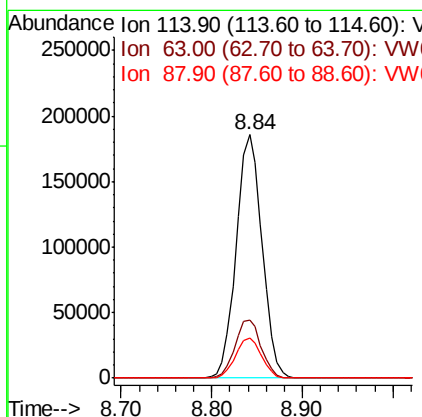
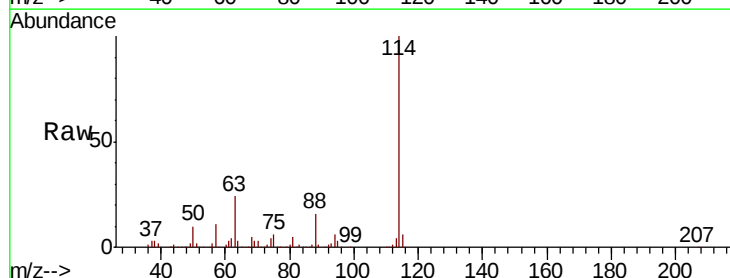
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(4)RE

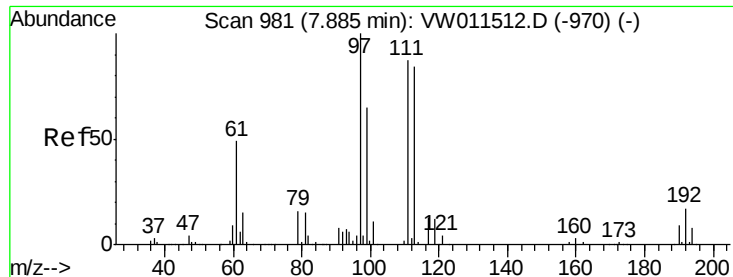
Tgt Ion: 65 Resp: 140238
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011961.D
 Acq: 16 Aug 2019 13:35

Tgt Ion: 114 Resp: 366298
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.4 0.0 33.8

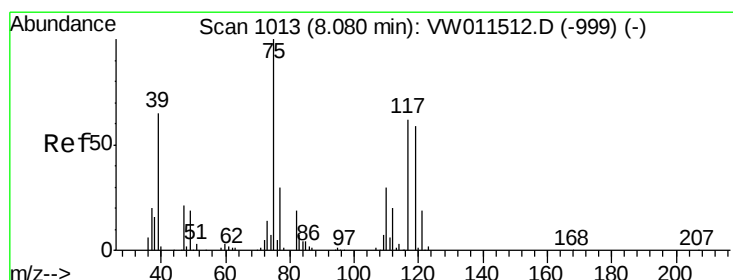
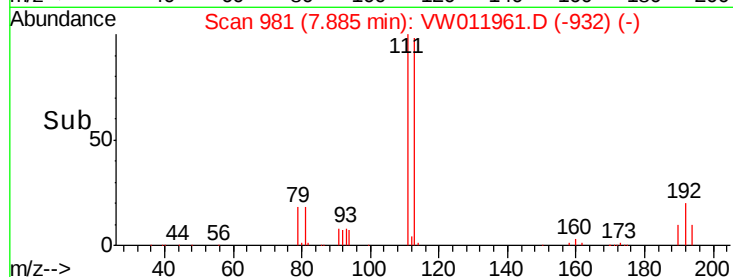
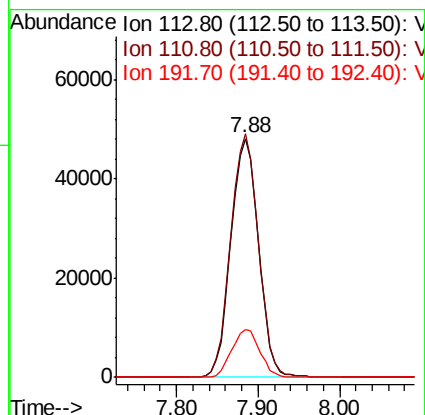
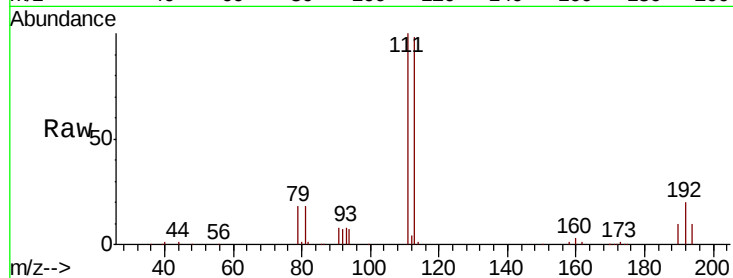




#35
 Dibromofluoromethane
 Concen: 54.774 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011961.D
 Acq: 16 Aug 2019 13:35

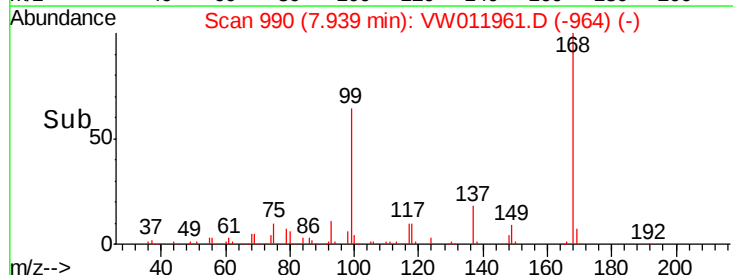
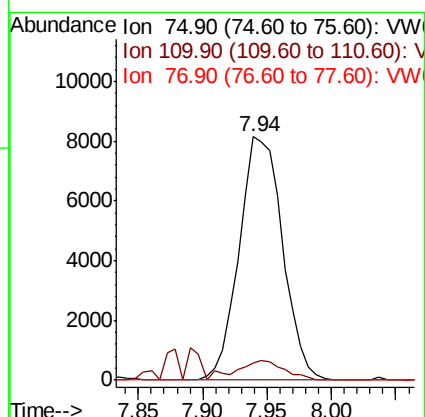
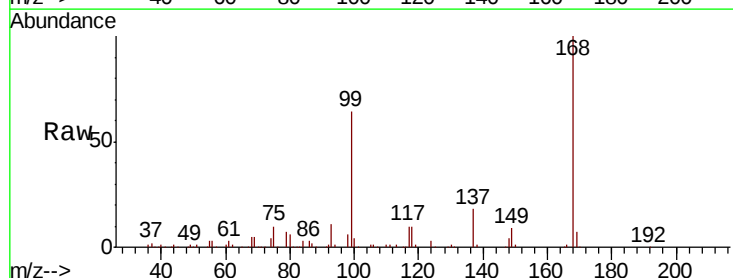
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A4-(4)RE

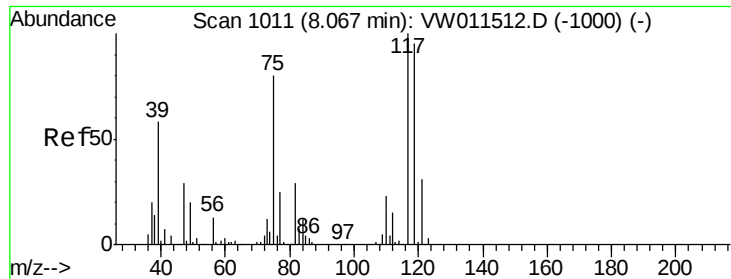
Tgt Ion:113 Resp: 112561
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011961.D
 Acq: 16 Aug 2019 13:35

Tgt Ion: 75 Resp: 18990
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.6 46.8#
 77 0.0 24.3 36.5#

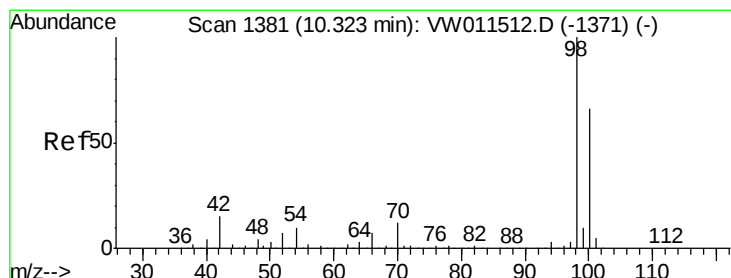
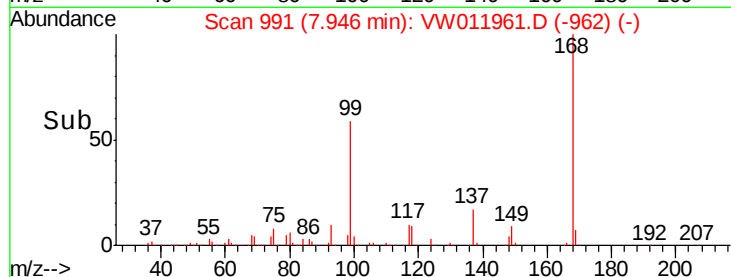
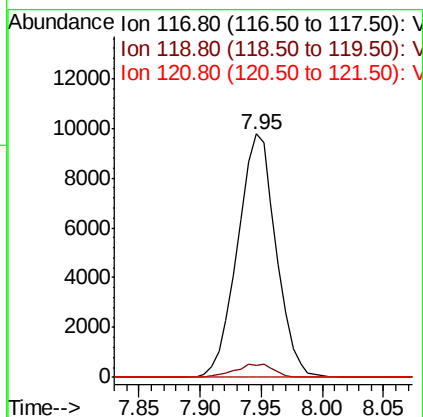
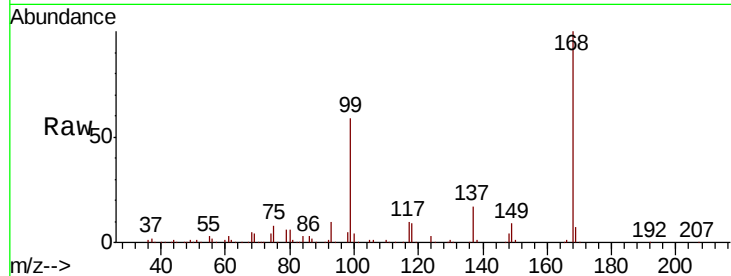




#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011961.D
Acq: 16 Aug 2019 13:35

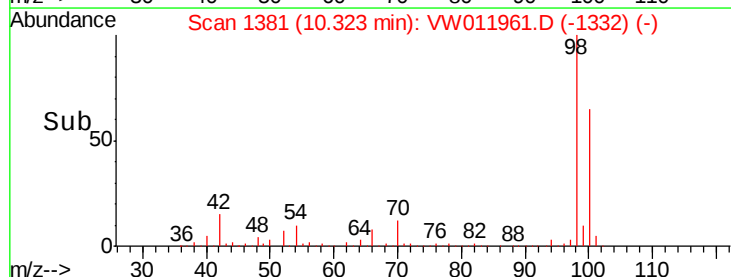
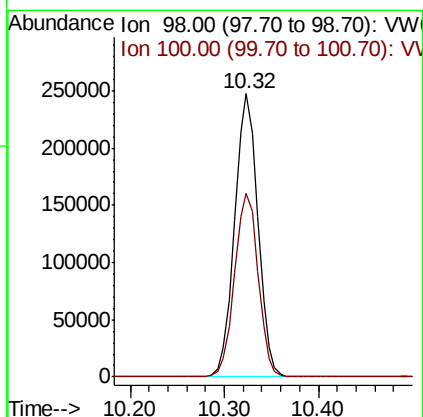
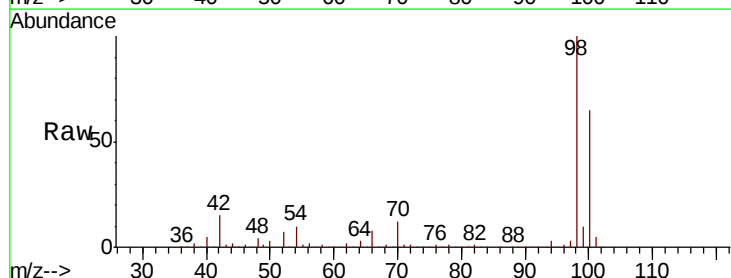
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T8-A4-(4)RE

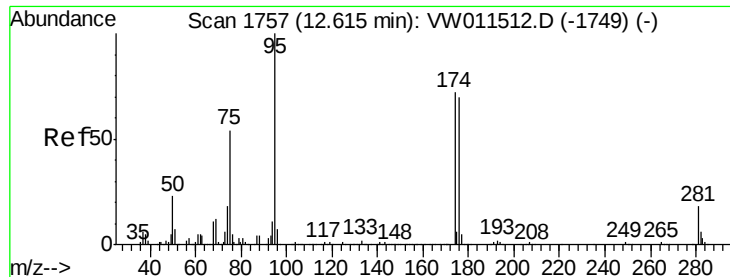
Tgt Ion:117 Resp: 21315
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011961.D
Acq: 16 Aug 2019 13:35

Tgt Ion: 98 Resp: 423918
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1

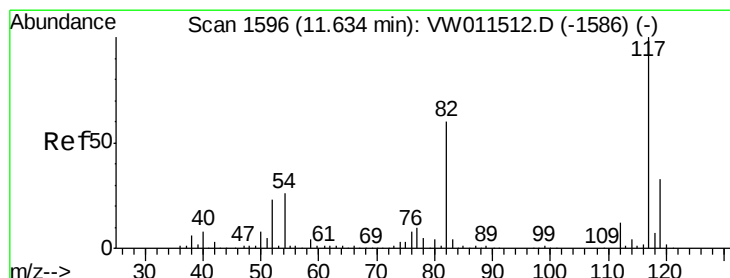
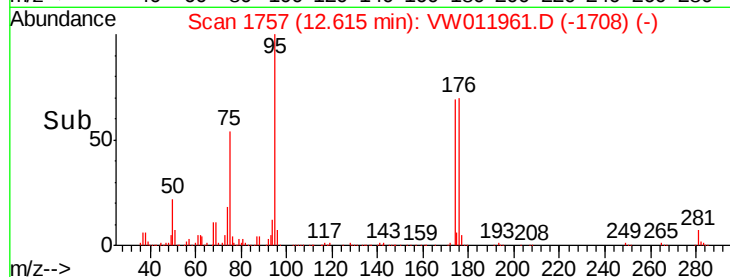
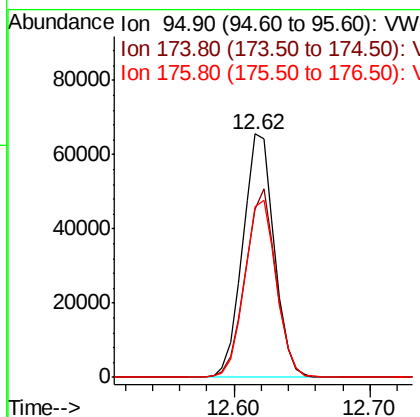
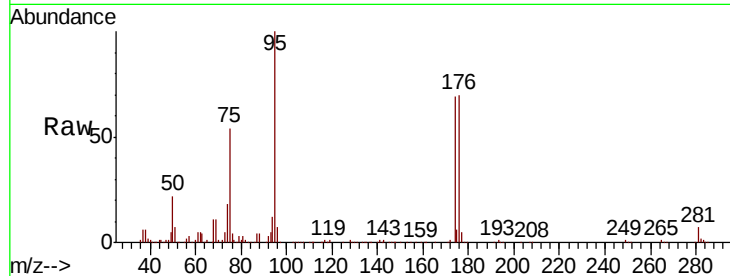




#62
4-Bromofluorobenzene
Concen: 35.409 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011961.D
Acq: 16 Aug 2019 13:35

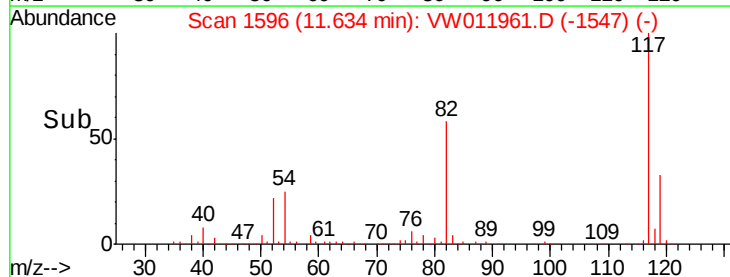
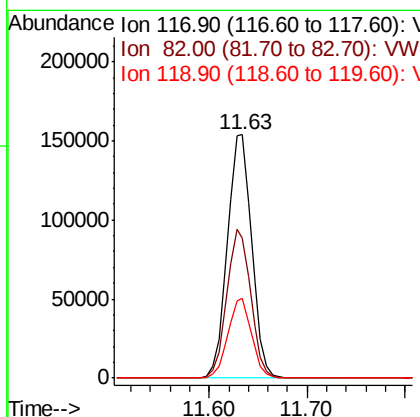
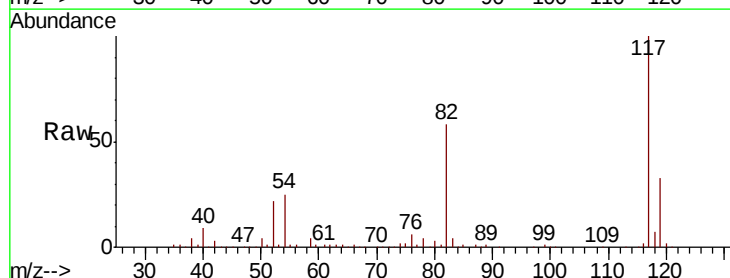
Instrument :
MSVOA_W
ClientSampleId :
T8-A4-(4)RE

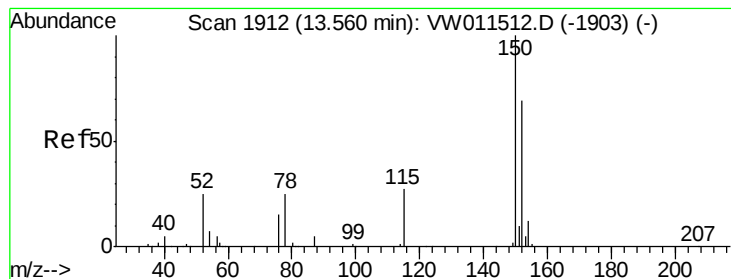
Tgt Ion: 95 Resp: 106214
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.2
176 73.3 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011961.D
Acq: 16 Aug 2019 13:35

Tgt Ion: 117 Resp: 264815
Ion Ratio Lower Upper
117 100
82 57.6 47.9 71.9
119 32.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

T8-A4-(4)RE

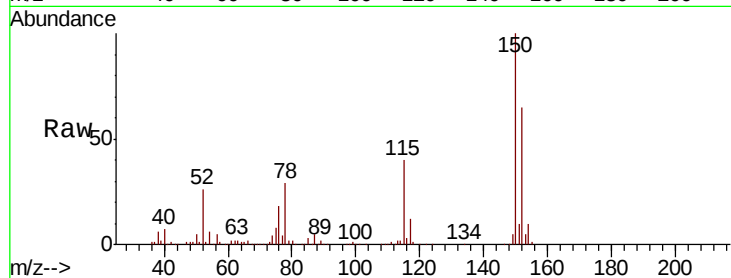
Tgt Ion:152 Resp: 69566

Ion Ratio Lower Upper

152 100

115 61.7 30.5 91.5

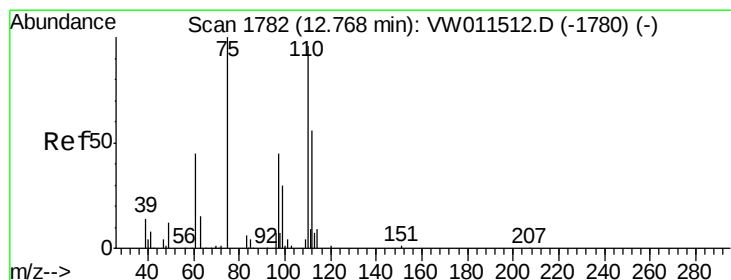
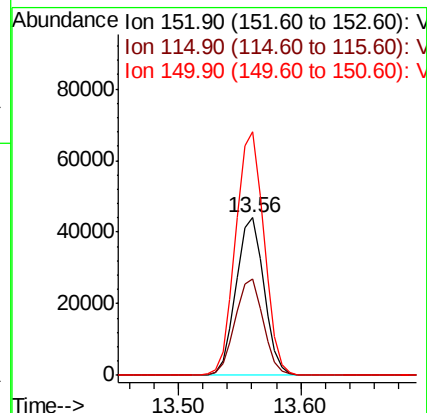
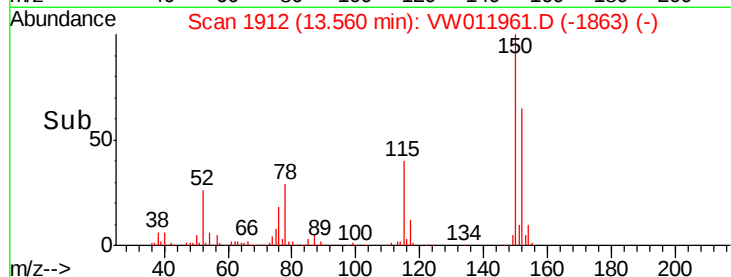
150 156.9 0.0 352.6



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: 77.201 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011961.D

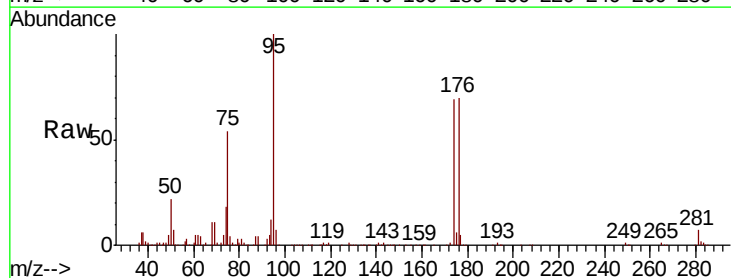
Acq: 16 Aug 2019 13:35

Tgt Ion: 75 Resp: 56827

Ion Ratio Lower Upper

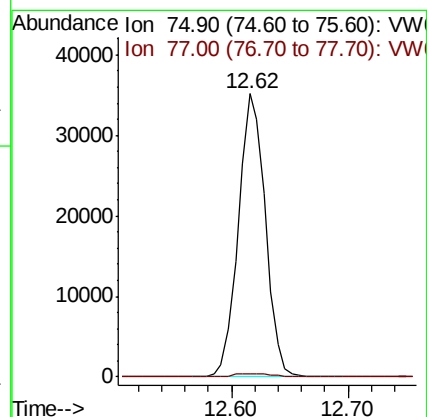
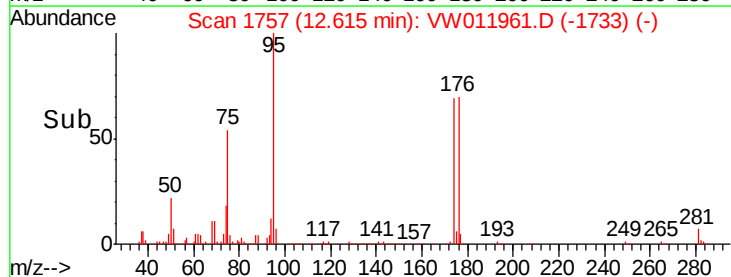
75 100

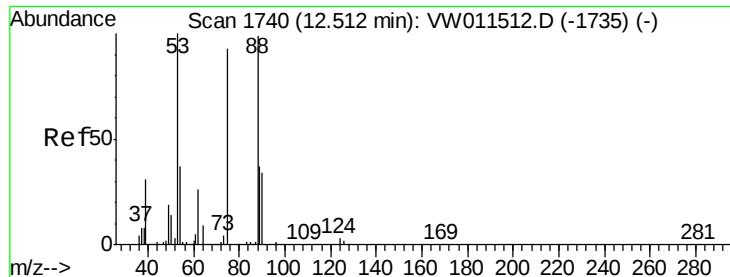
77 1.6 0.0 0.0#



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: 177.922 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

T8-A4-(4)RE

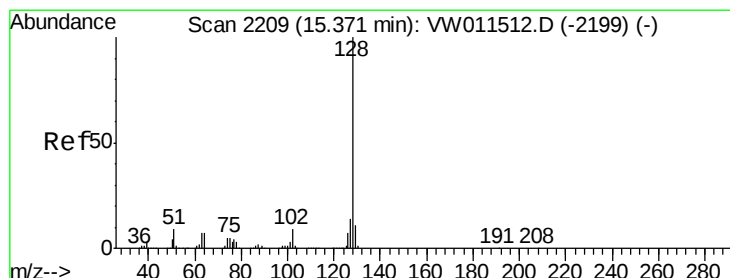
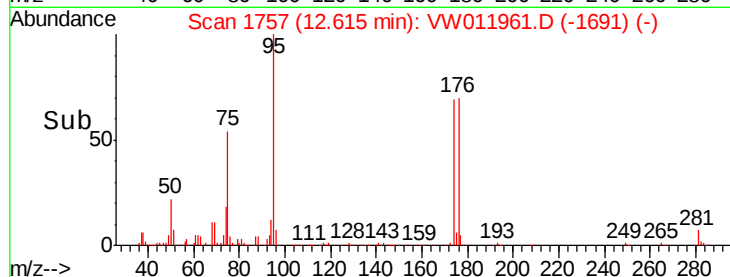
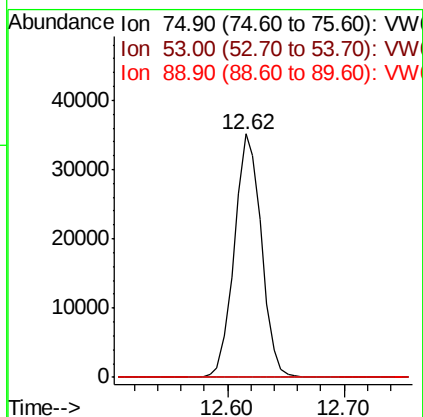
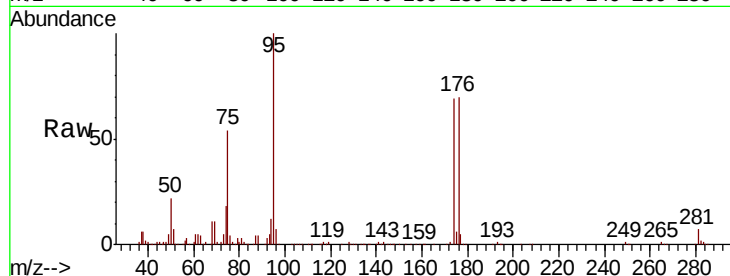
Tgt Ion: 75 Resp: 56827

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.409 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011961.D

Acq: 16 Aug 2019 13:35

Tgt Ion: 128 Resp: 984

Ion Ratio Lower Upper

128 100

127 9.1 10.6 16.0#

129 12.4 8.6 13.0

