

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012502.D
 Acq On : 02 Sep 2019 16:36
 Operator : SY/VA
 Sample : K4528-13RE
 Misc : 5.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S3-(0)RE

Quant Time: Sep 03 07:40:21 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	209492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66128	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	126055	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.88	113	100787	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.32	98	391160	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.61	95	101513	35.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.32%	

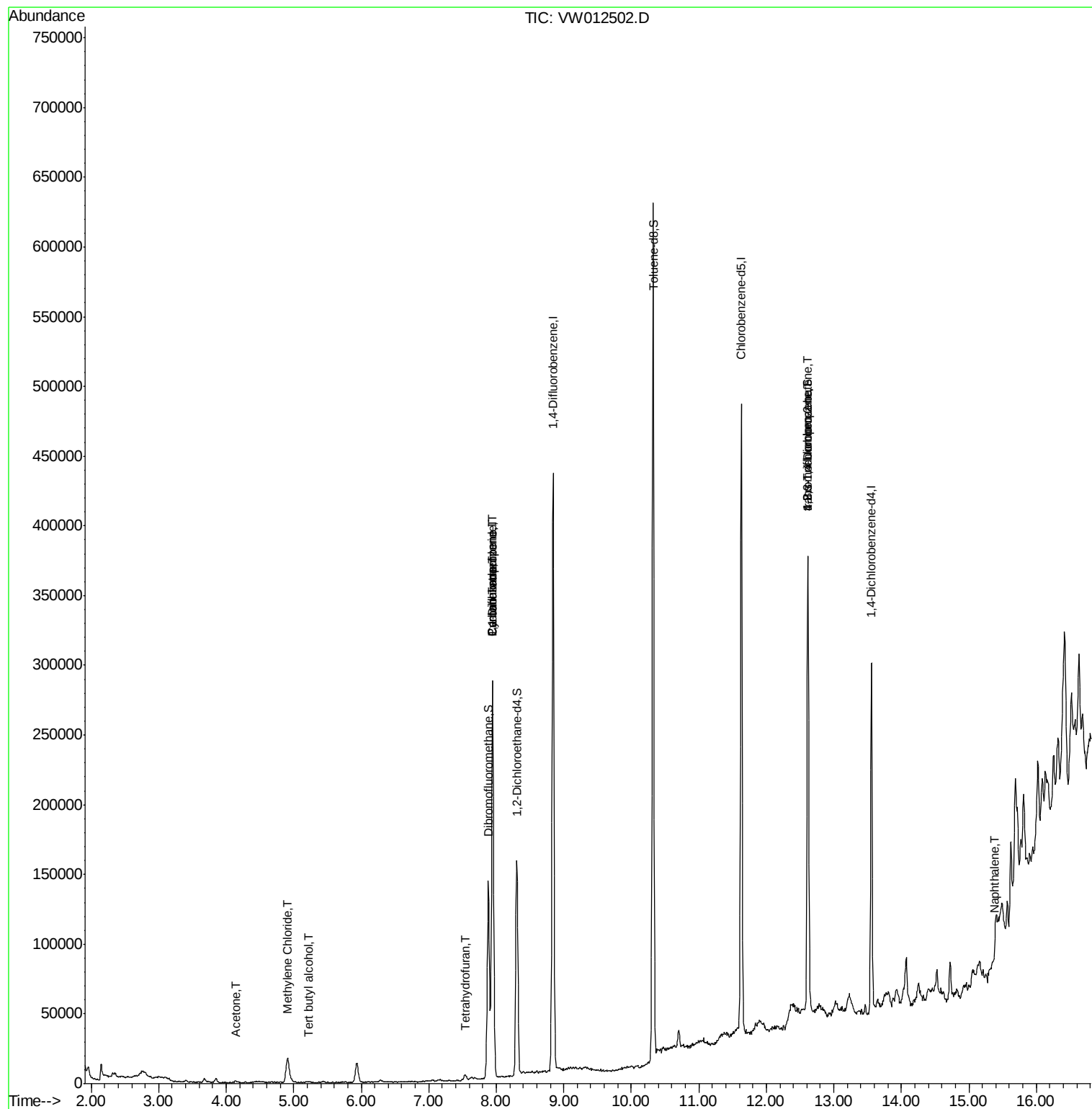
Target Compounds						Qvalue
11) Tert butyl alcohol	5.22	59	1068	7.126	ug/l #	71
16) Acetone	4.15	43	2361	3.709	ug/l #	77
20) Methylene Chloride	4.91	84	13579	5.643	ug/l	94
29) Tetrahydrofuran	7.54	42	3895	7.505	ug/l #	75
31) Cyclohexane	7.95	56	5050	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17231	4.927	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20884	6.900	ug/l #	16
76) 1,2,3-Trichloropropane	12.61	75	53498	83.066	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	53498	182.126	ug/l #	6
95) Naphthalene	15.37	128	998	4.687	ug/l #	69

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

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T9-12-13-S3-(0)RE

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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: VW012502.D

Acq: 02 Sep 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

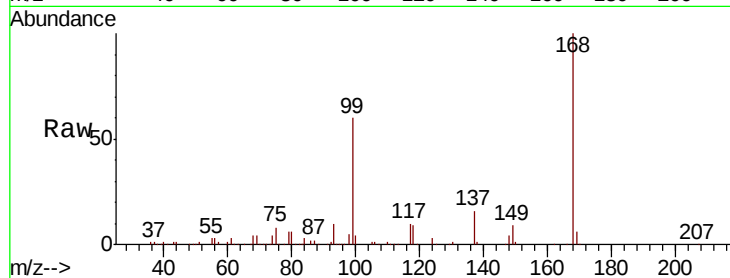
T9-12-13-S3-(0)RE

Tgt Ion:168 Resp: 209492

Ion Ratio Lower Upper

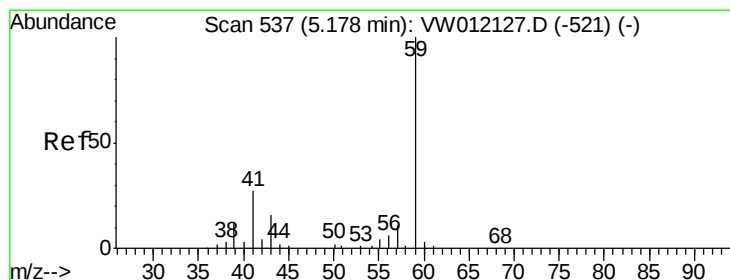
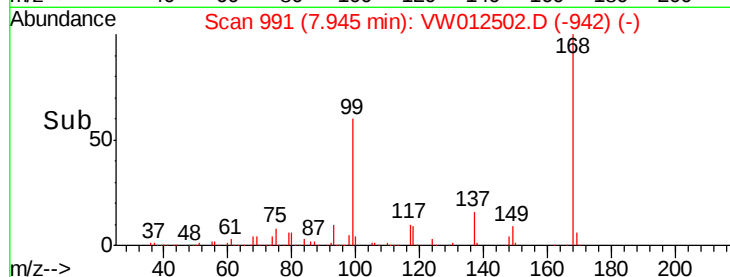
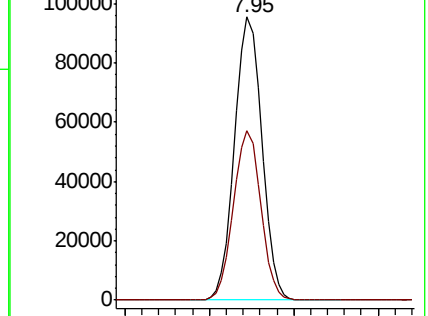
168 100

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



#11

Tert butyl alcohol

Concen: 7.126 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.04 min

Lab File: VW012502.D

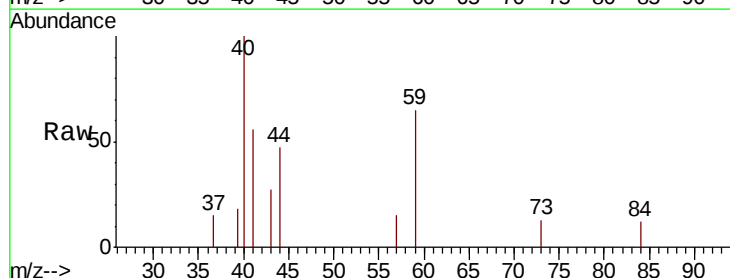
Acq: 02 Sep 2019 16:36

Tgt Ion: 59 Resp: 1068

Ion Ratio Lower Upper

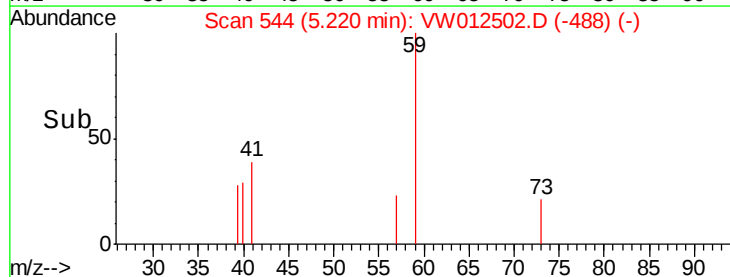
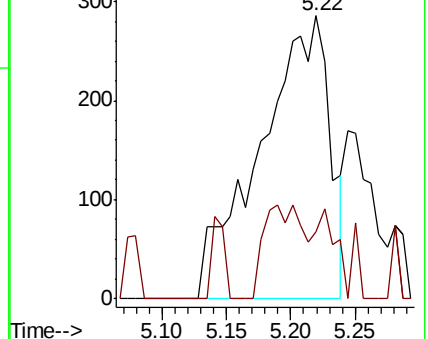
59 100

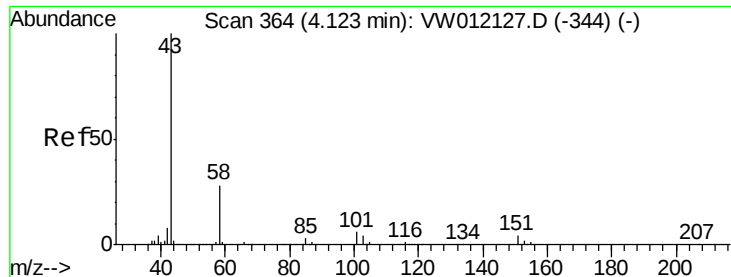
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

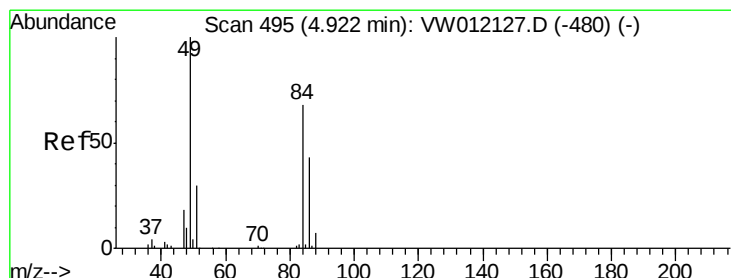
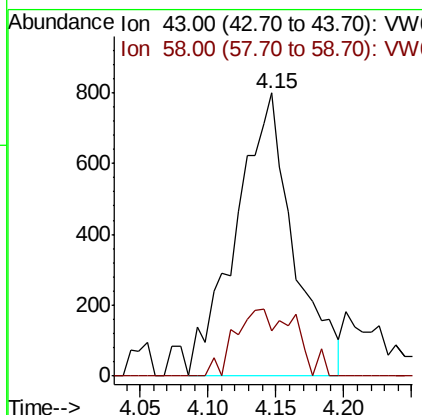
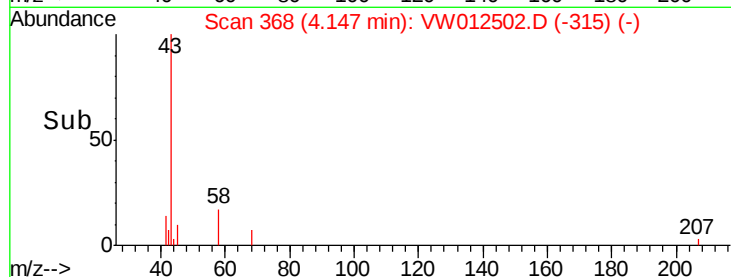
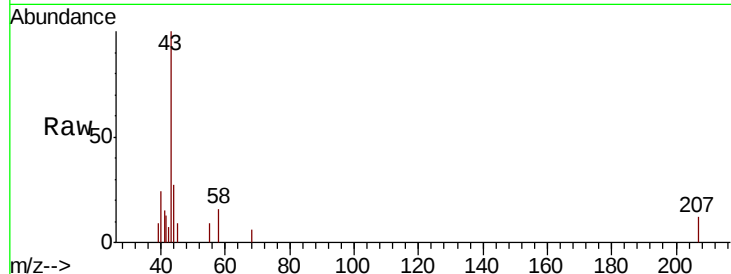




#16
Acetone
Concen: 3.709 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

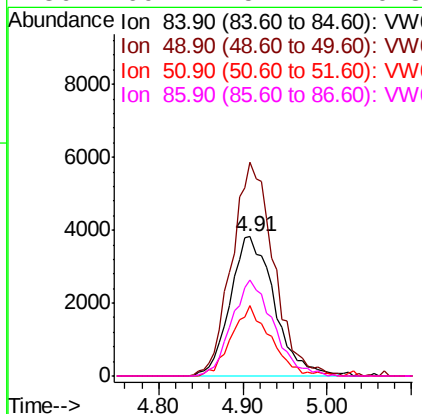
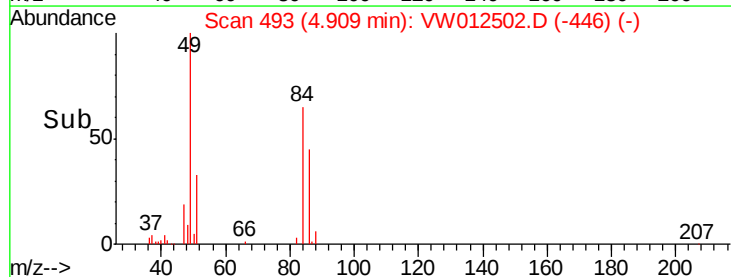
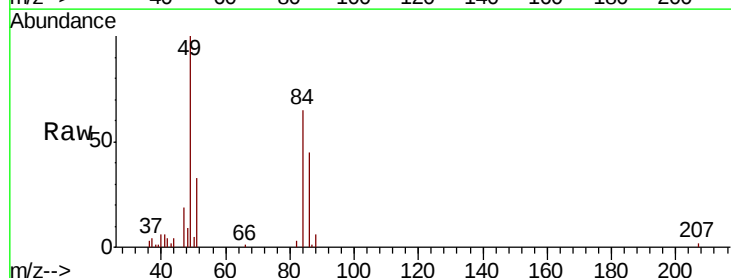
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(0)RE

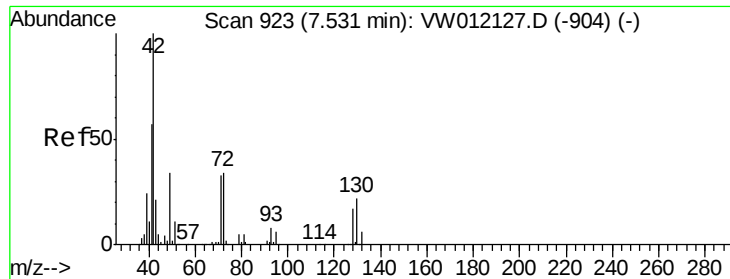
Tgt Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
58 15.9 22.4 33.6#



#20
Methylene Chloride
Concen: 5.643 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Tgt Ion: 84 Resp: 13579
Ion Ratio Lower Upper
84 100
49 153.2 117.8 176.8
51 50.1 35.6 53.4
86 69.2 51.2 76.8

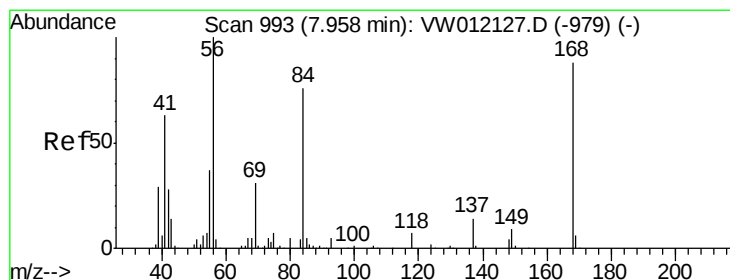
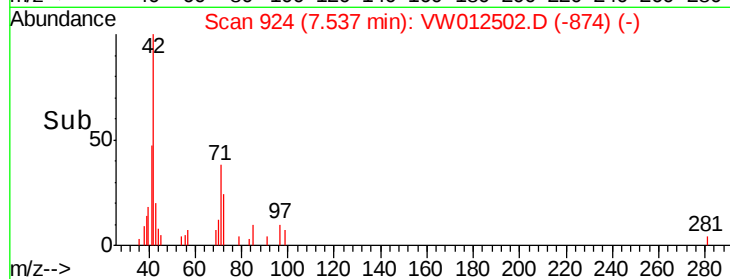
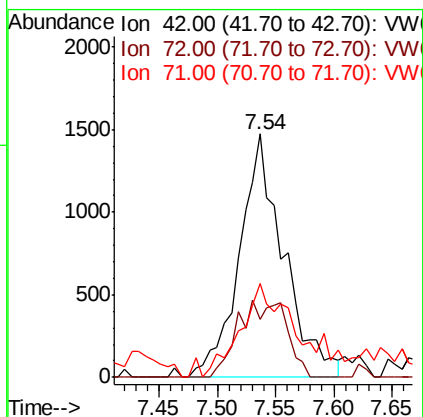
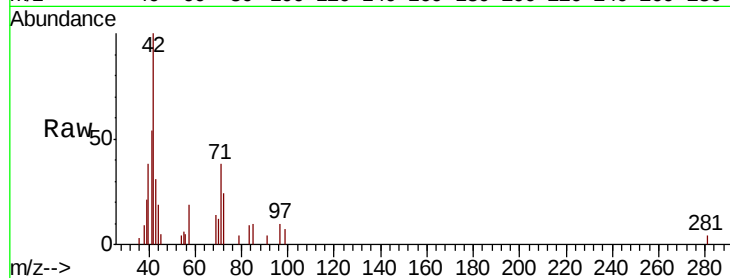




#29
Tetrahydrofuran
Concen: 7.505 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

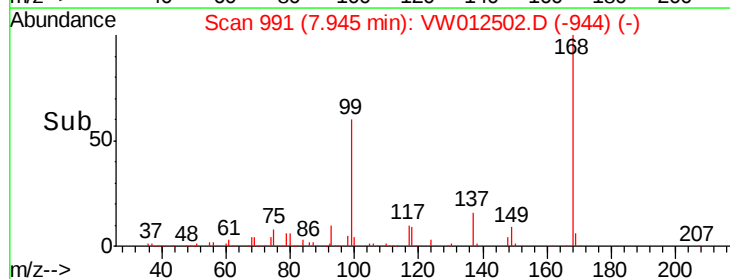
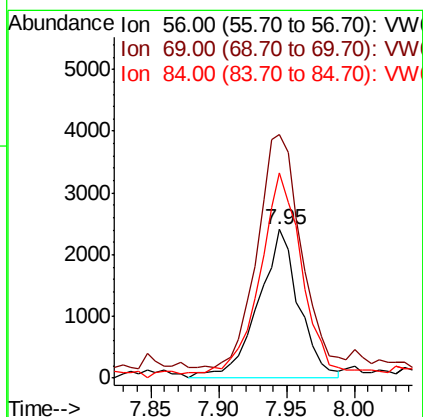
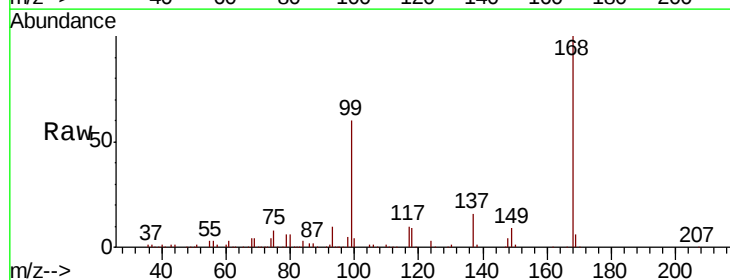
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(0)RE

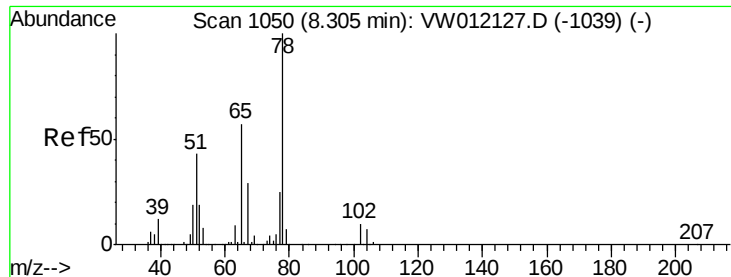
Tgt Ion: 42 Resp: 3895
Ion Ratio Lower Upper
42 100
72 17.6 27.3 40.9#
71 43.4 25.5 38.3#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Tgt Ion: 56 Resp: 5050
Ion Ratio Lower Upper
56 100
69 157.0 24.9 37.3#
84 134.1 60.6 90.8#

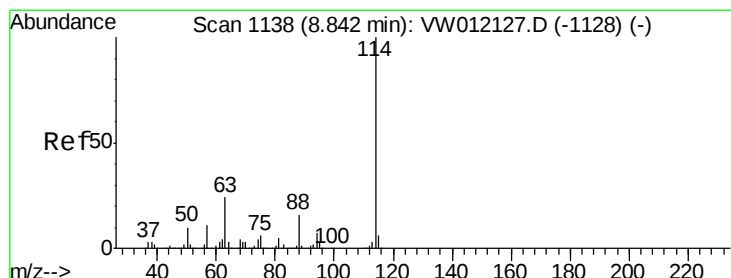
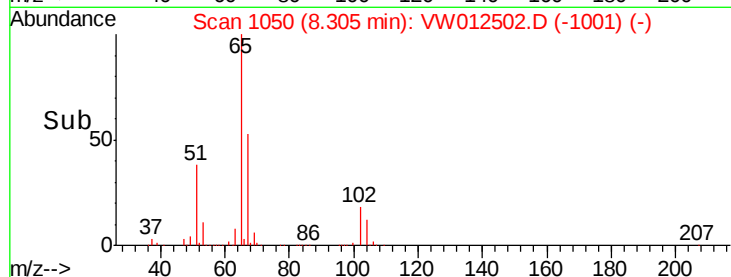
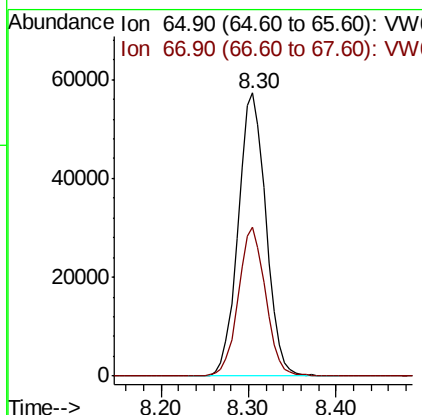
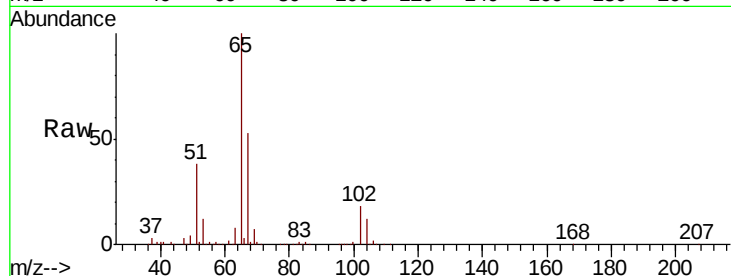




#33
 1,2-Dichloroethane-d4
 Concen: 50.617 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012502.D
 Acq: 02 Sep 2019 16:36

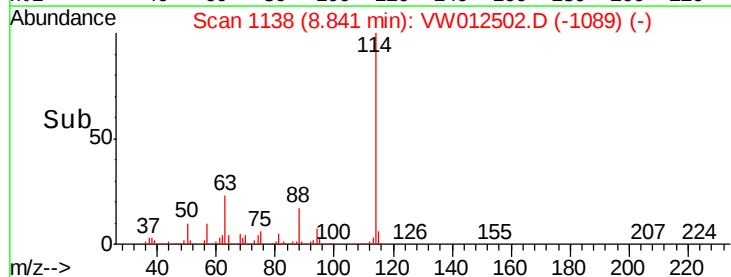
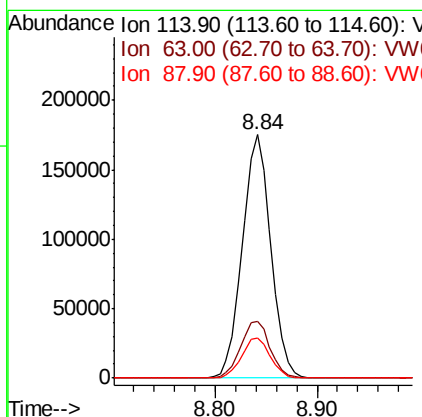
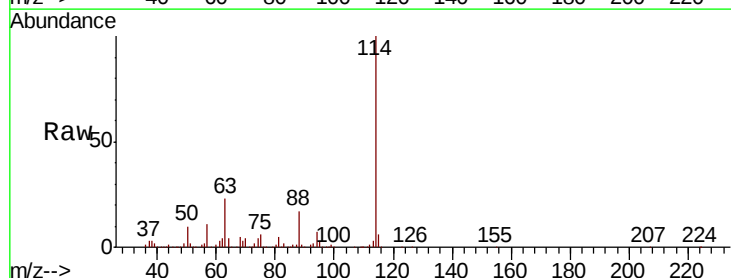
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S3-(0)RE

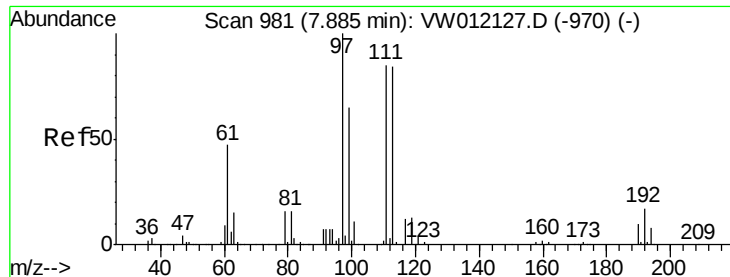
Tgt Ion: 65 Resp: 126055
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012502.D
 Acq: 02 Sep 2019 16:36

Tgt Ion: 114 Resp: 338419
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.894 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012502.D

Acq: 02 Sep 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S3-(0)RE

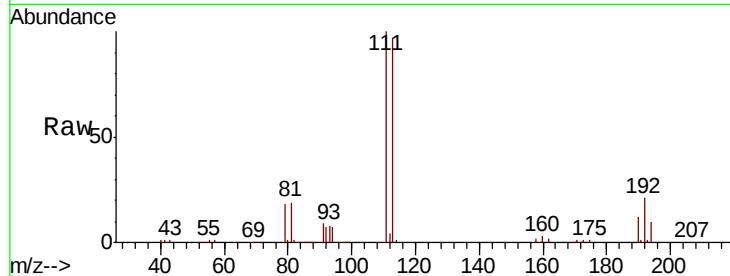
Tgt Ion:113 Resp: 100787

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

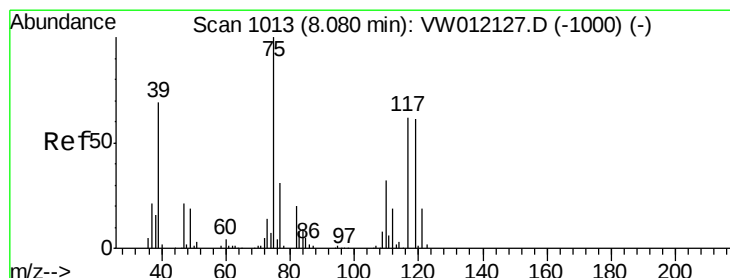
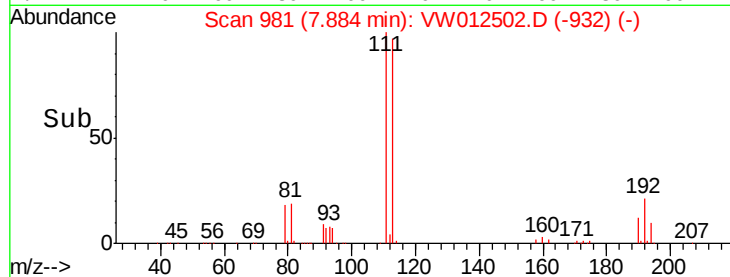
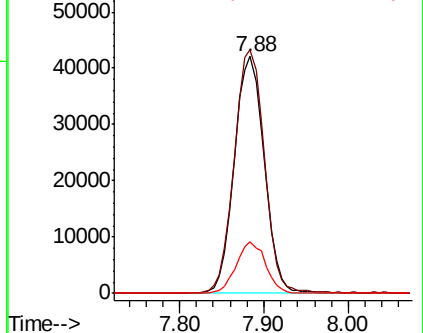
192 21.5 16.2 24.2



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: 4.927 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012502.D

Acq: 02 Sep 2019 16:36

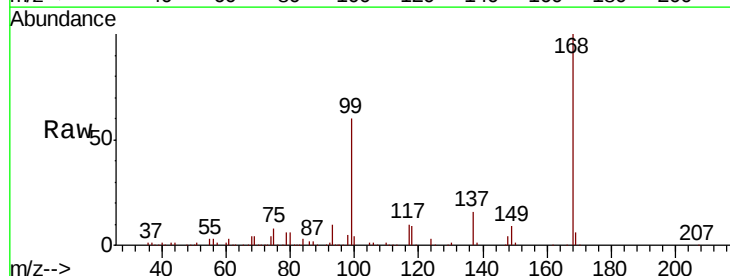
Tgt Ion: 75 Resp: 17231

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

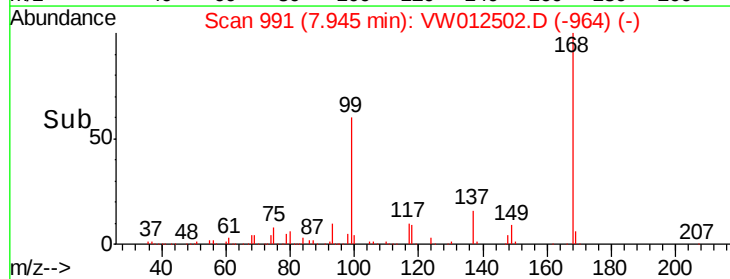
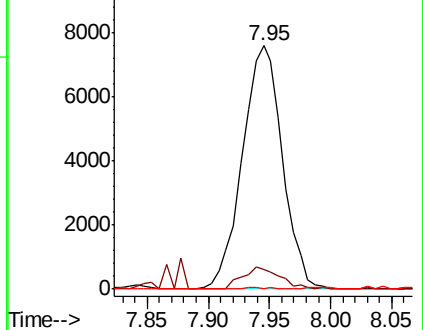
77 0.4 24.6 36.8#

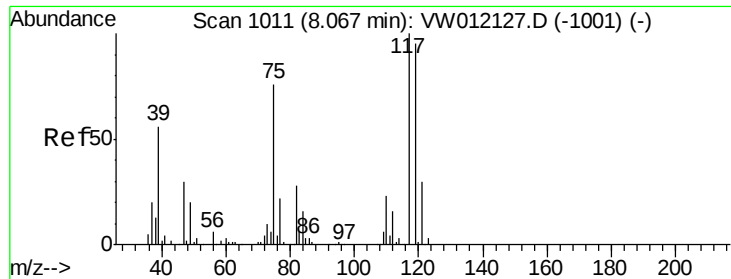


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

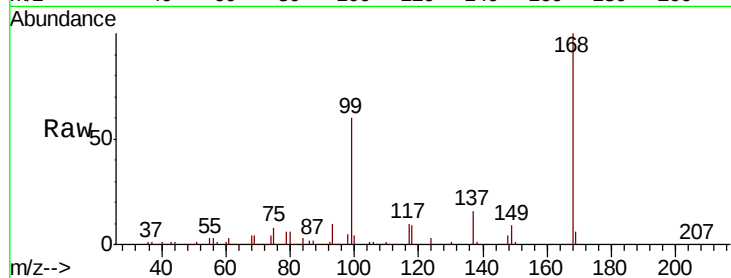




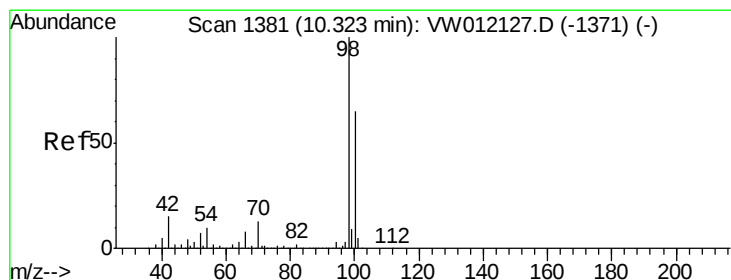
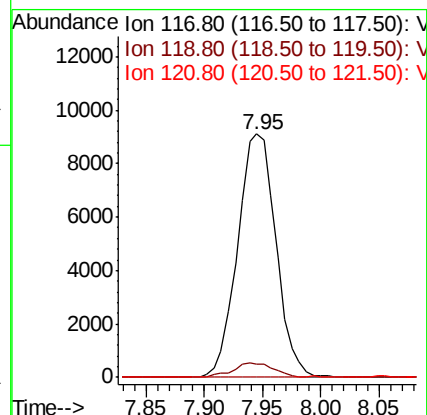
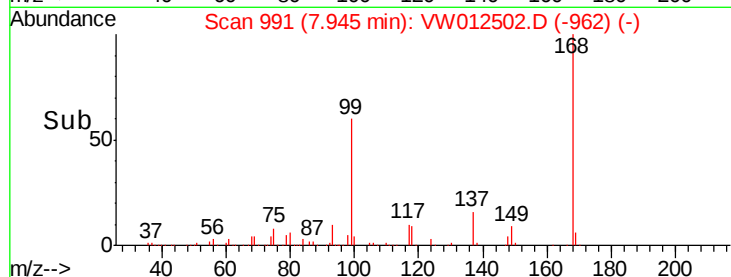
#38
Carbon Tetrachloride
Concen: 6.900 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(0)RE

Tgt Ion:117 Resp: 20884
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 23.8 35.8#

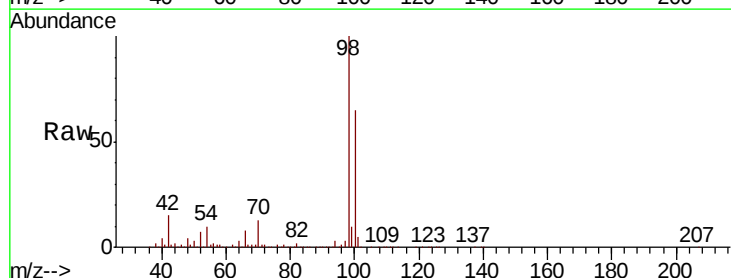


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

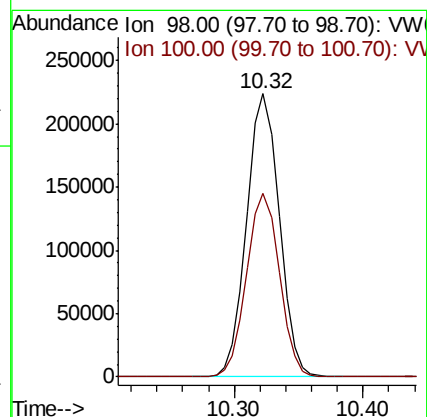
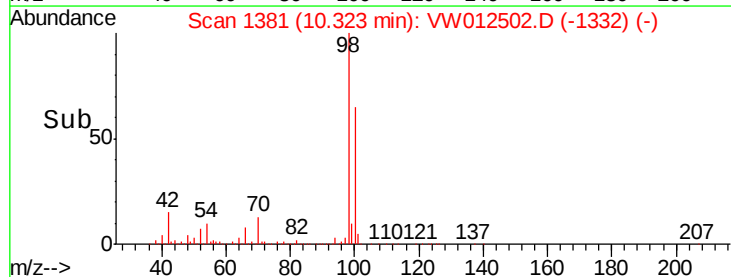


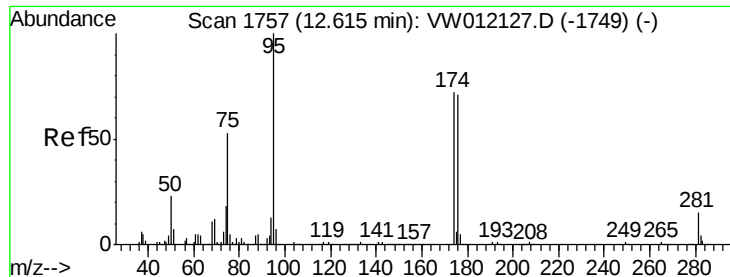
#50
Toluene-d8
Concen: 47.757 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Tgt Ion: 98 Resp: 391160
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

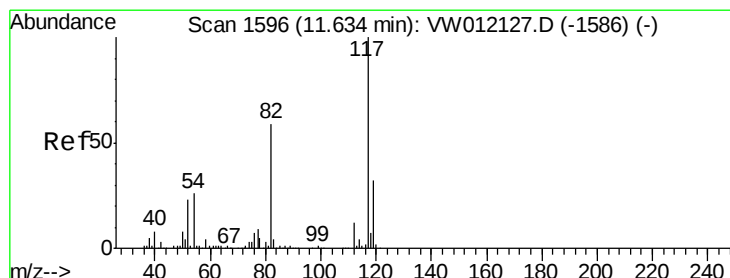
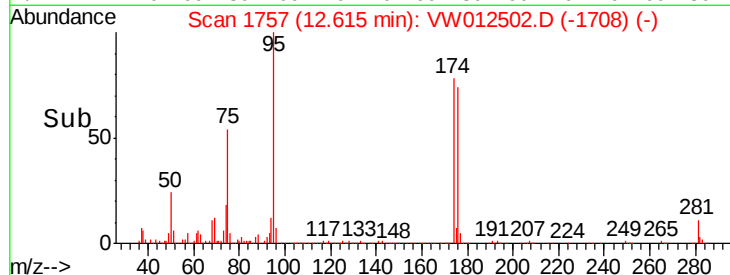
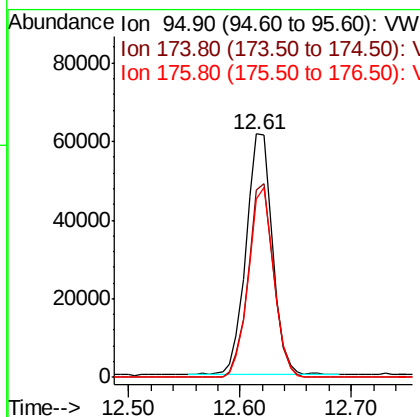
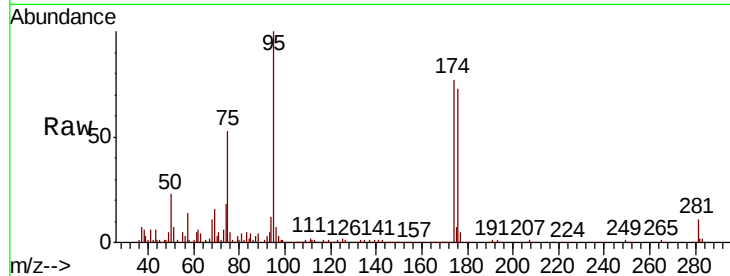




#62
4-Bromofluorobenzene
Concen: 35.160 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

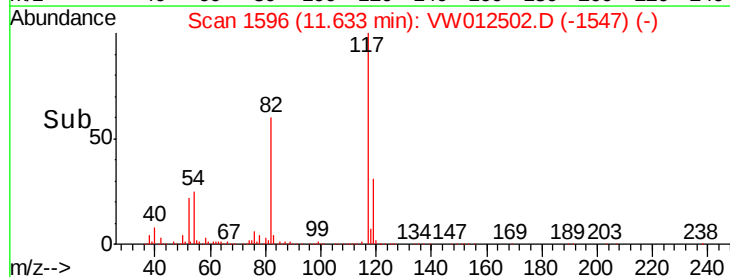
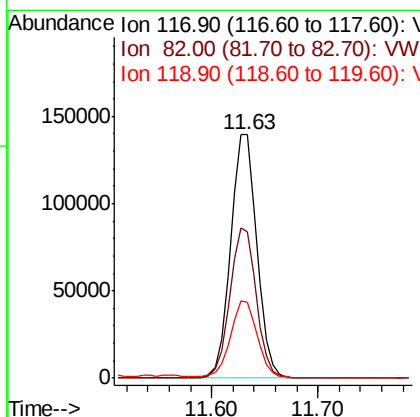
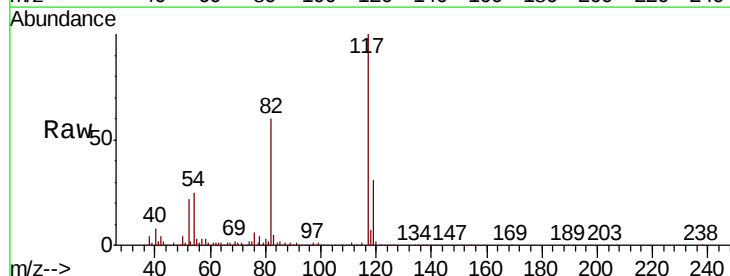
Instrument :
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T9-12-13-S3-(0)RE

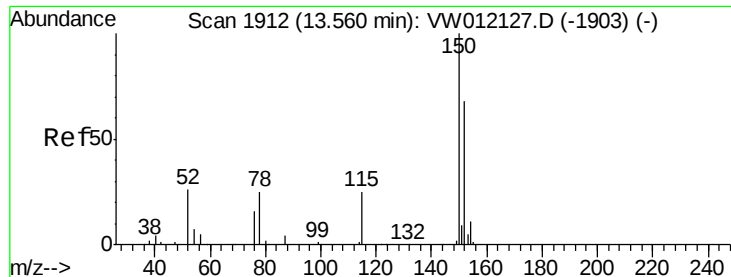
Tgt Ion: 95 Resp: 101513
Ion Ratio Lower Upper
95 100
174 77.3 0.0 150.8
176 75.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Tgt Ion: 117 Resp: 241443
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.2 25.4 38.2



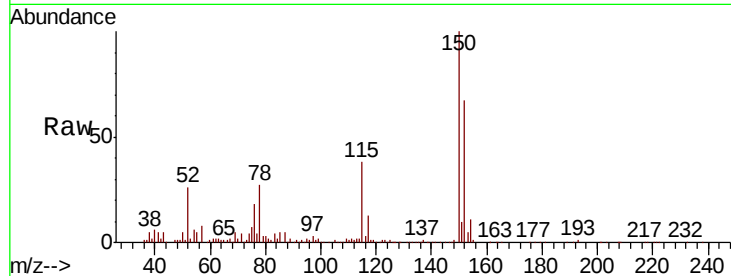


#72

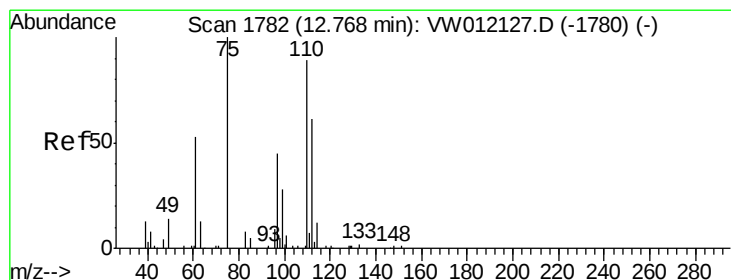
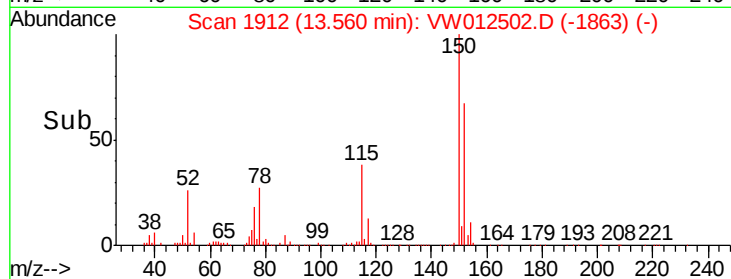
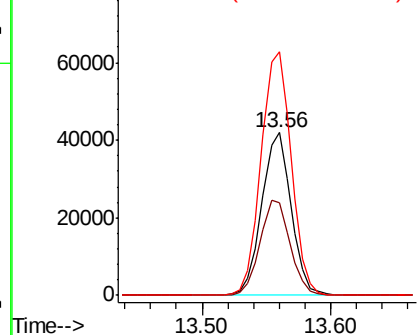
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(0)RE

Tgt Ion:152 Resp: 66128
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 154.1 0.0 345.8



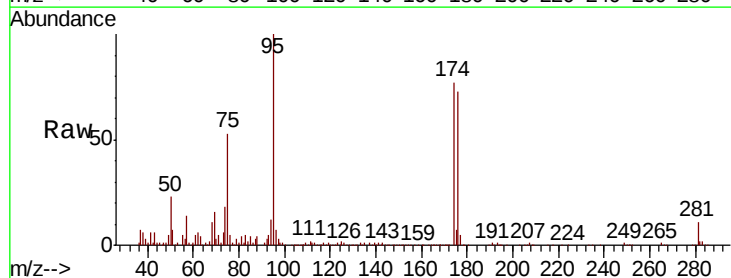
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



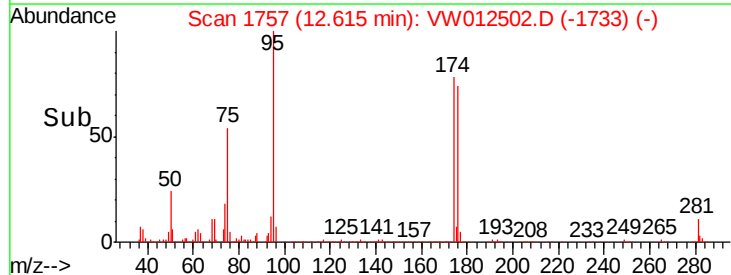
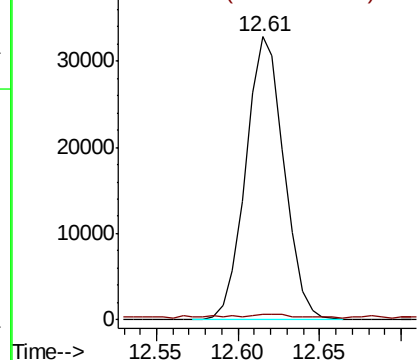
#76

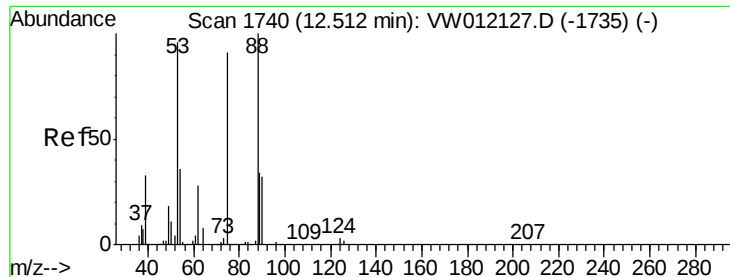
1,2,3-Trichloropropane
Concen: 83.066 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012502.D
Acq: 02 Sep 2019 16:36

Tgt Ion: 75 Resp: 53498
Ion Ratio Lower Upper
75 100
77 2.1 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: 182.126 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012502.D

Acq: 02 Sep 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S3-(0)RE

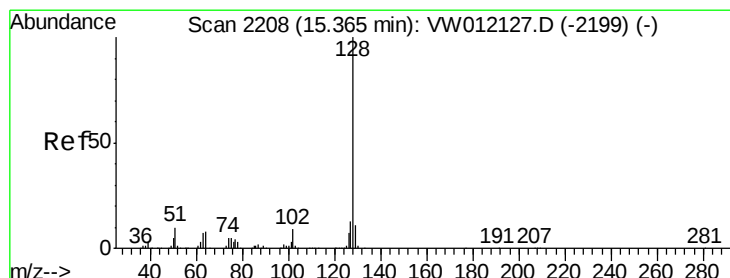
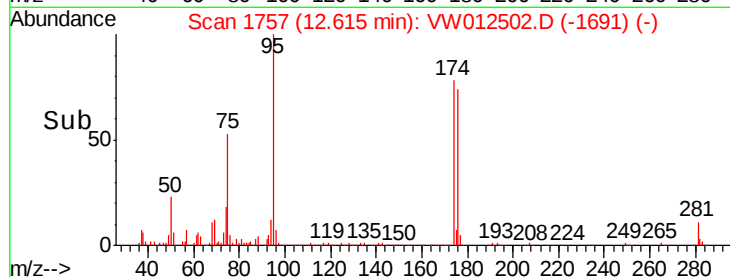
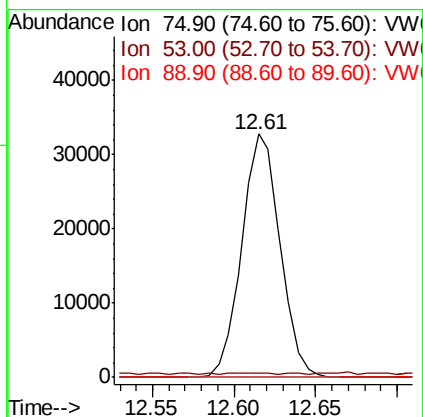
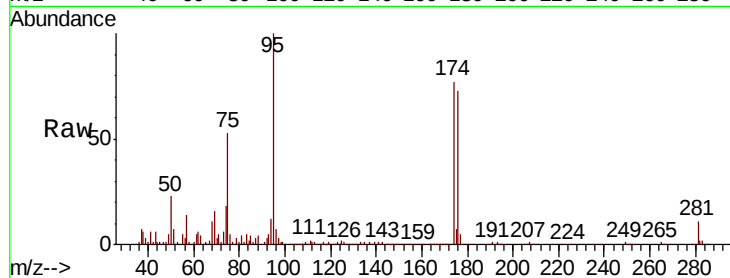
Tgt Ion: 75 Resp: 53498

Ion Ratio Lower Upper

75 100

53 0.9 89.4 134.0#

89 0.3 34.5 51.7#



#95

Naphthalene

Concen: 4.687 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012502.D

Acq: 02 Sep 2019 16:36

Tgt Ion: 128 Resp: 998

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

