

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012499.D
 Acq On : 02 Sep 2019 15:19
 Operator : SY/VA
 Sample : K4528-17RE
 Misc : 4.89G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S3-(1.9)

Quant Time: Sep 03 07:39:43 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	200581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	75195	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	129555	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.88	113	100911	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.32	98	383900	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	12.62	95	119939	42.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.28%	

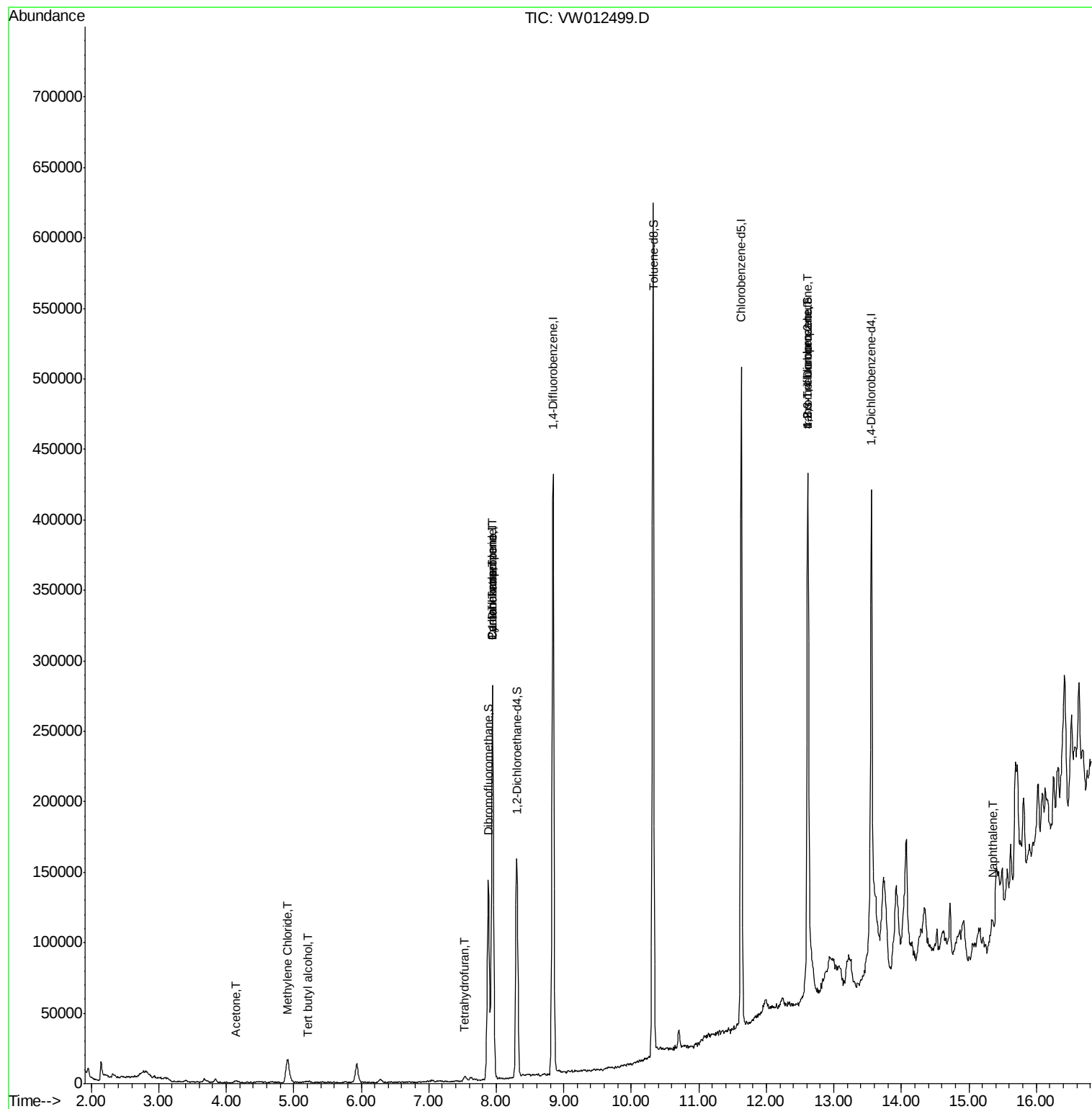
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.21	59	1716	11.959	ug/l #	71
16) Acetone	4.15	43	2573	4.221	ug/l #	83
20) Methylene Chloride	4.91	84	12362	5.365	ug/l	96
29) Tetrahydrofuran	7.54	42	3709	7.464	ug/l	89
31) Cyclohexane	7.95	56	5095	1.186	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	17181	4.984	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19579	6.561	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57634	78.698	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57634	172.548	ug/l #	7
95) Naphthalene	15.36	128	726	4.555	ug/l #	76

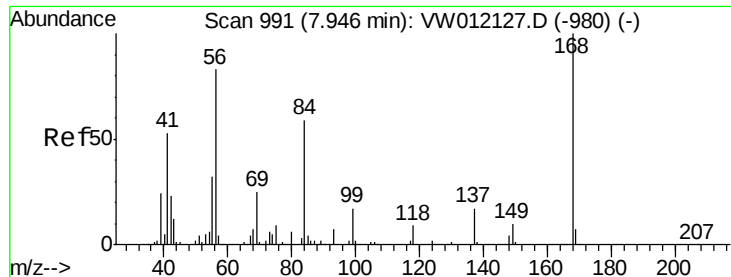
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
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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: VW012499.D

Acq: 02 Sep 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

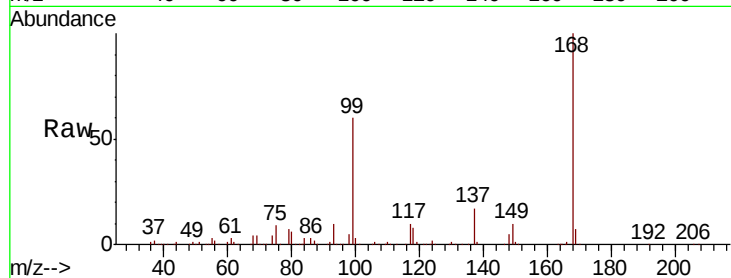
T9-12-13-S3-(1.9)

Tgt Ion:168 Resp: 200581

Ion Ratio Lower Upper

168 100

99 60.1 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

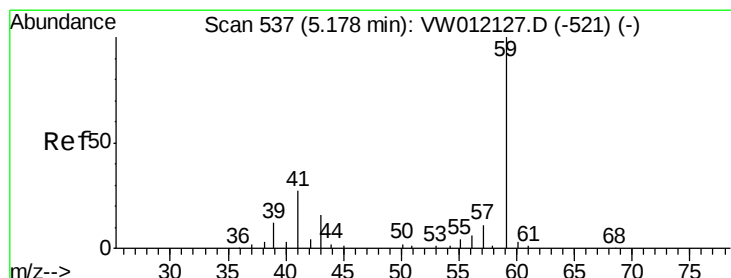
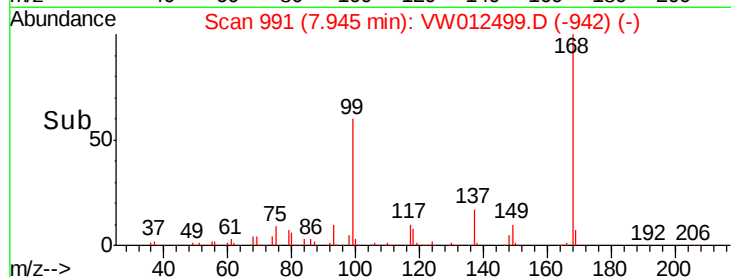
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.959 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012499.D

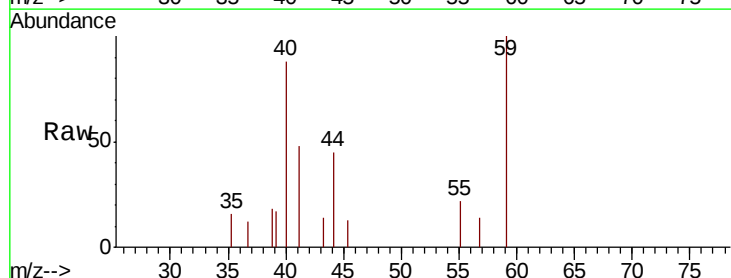
Acq: 02 Sep 2019 15:19

Tgt Ion: 59 Resp: 1716

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

5.21

500

400

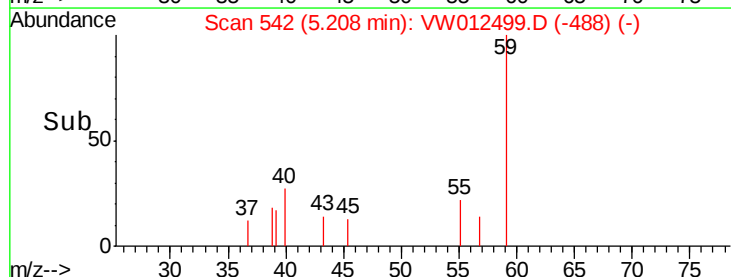
300

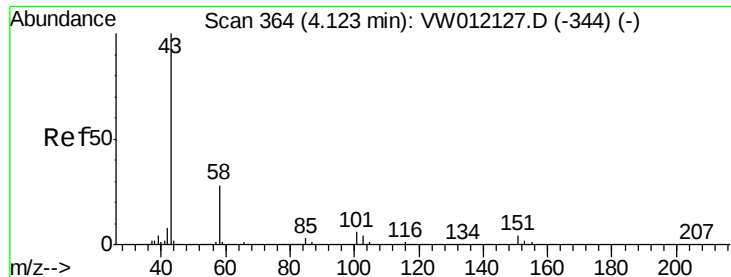
200

100

0

Time-->





#16

Acetone

Concen: 4.221 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

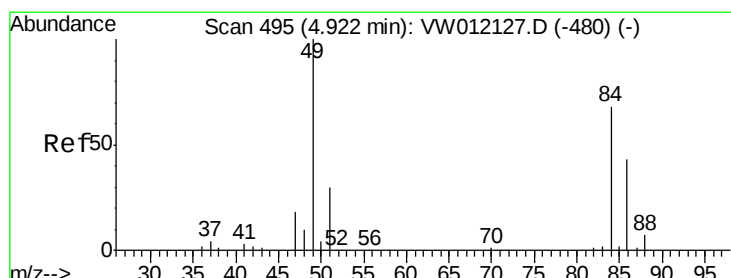
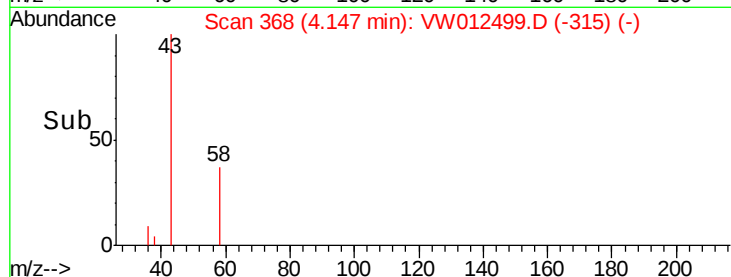
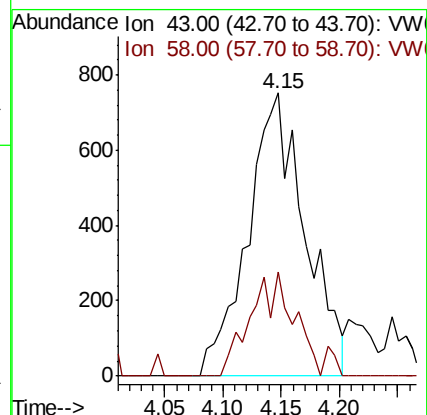
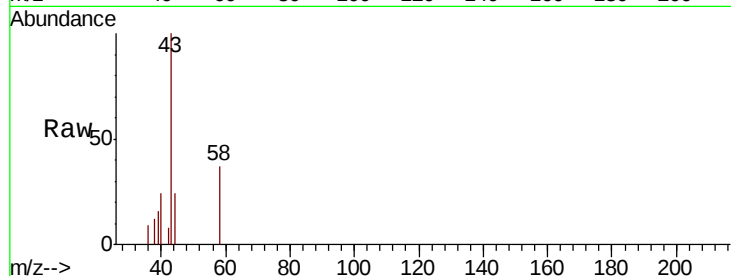
T9-12-13-S3-(1.9)

Tgt Ion: 43 Resp: 2573

Ion Ratio Lower Upper

43 100

58 36.7 22.4 33.6#



#20

Methylene Chloride

Concen: 5.365 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

Tgt Ion: 84 Resp: 12362

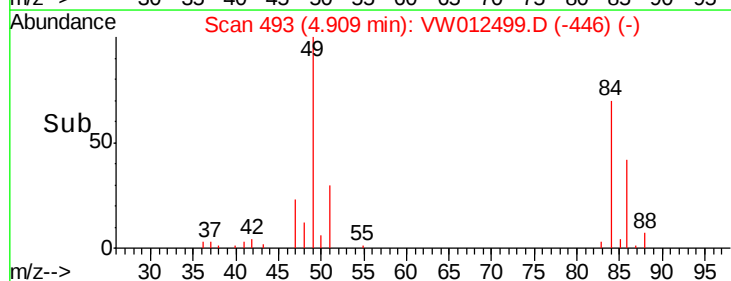
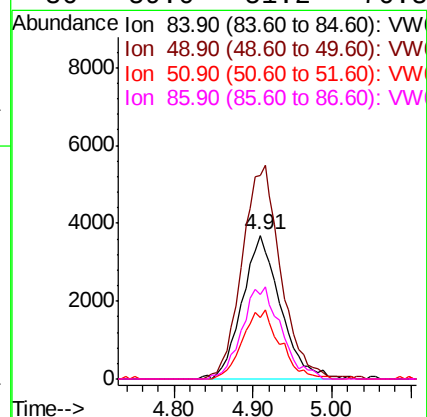
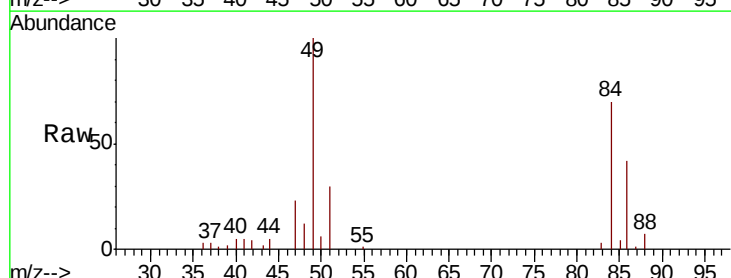
Ion Ratio Lower Upper

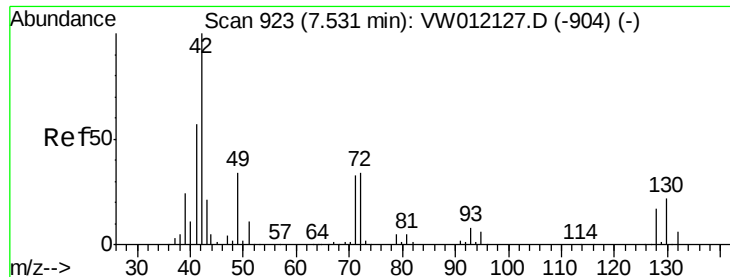
84 100

49 142.0 117.8 176.8

51 43.2 35.6 53.4

86 59.0 51.2 76.8

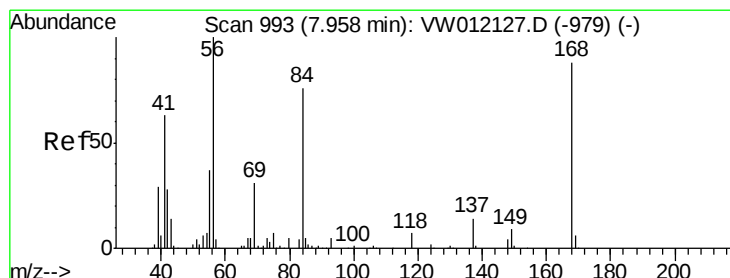
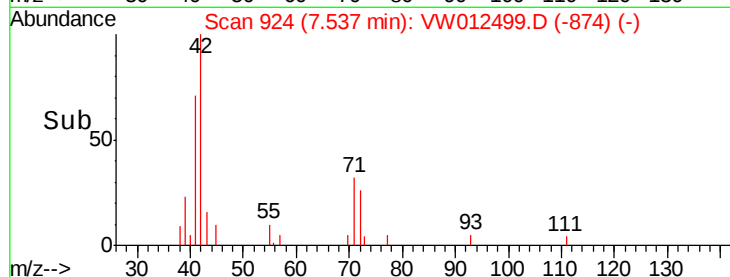
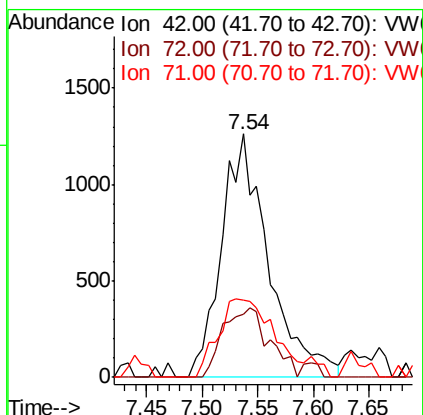
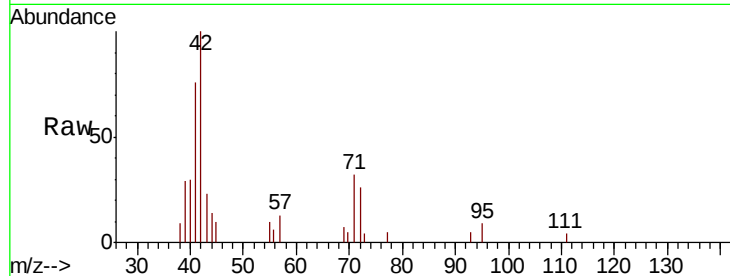




#29
Tetrahydrofuran
Concen: 7.464 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

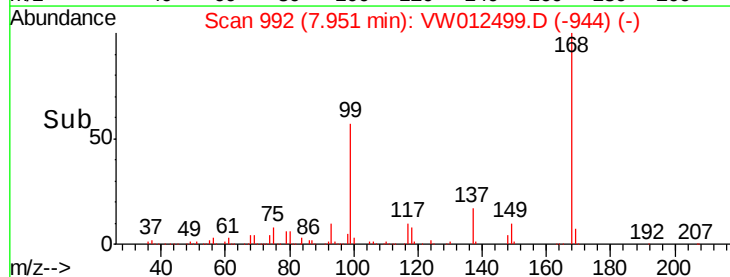
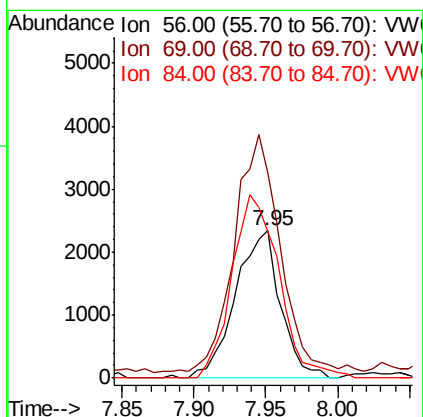
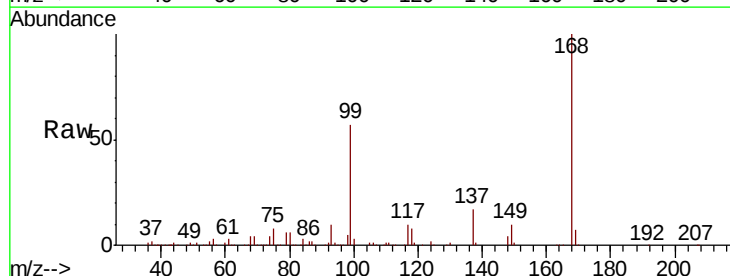
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(1.9)

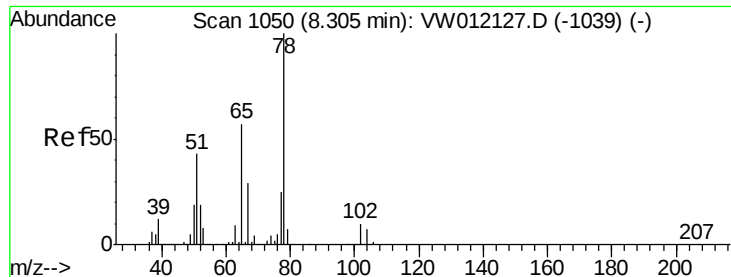
Tgt Ion: 42 Resp: 3709
Ion Ratio Lower Upper
42 100
72 27.8 27.3 40.9
71 37.9 25.5 38.3



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

Tgt Ion: 56 Resp: 5095
Ion Ratio Lower Upper
56 100
69 134.7 24.9 37.3#
84 99.7 60.6 90.8#

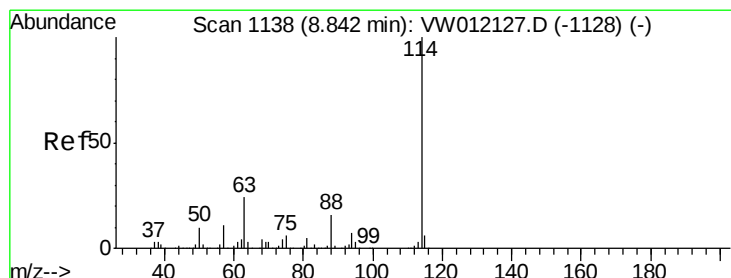
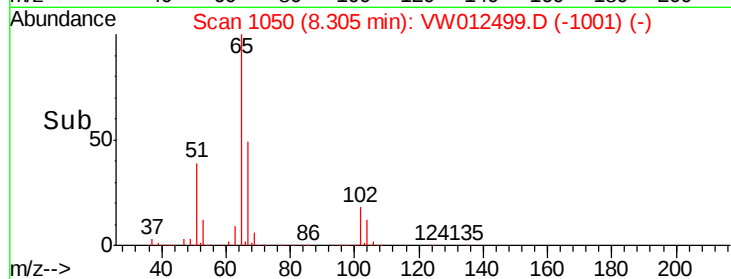
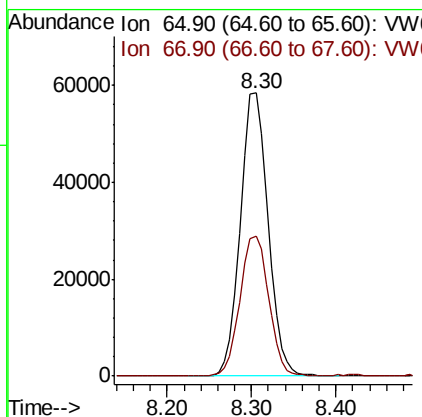
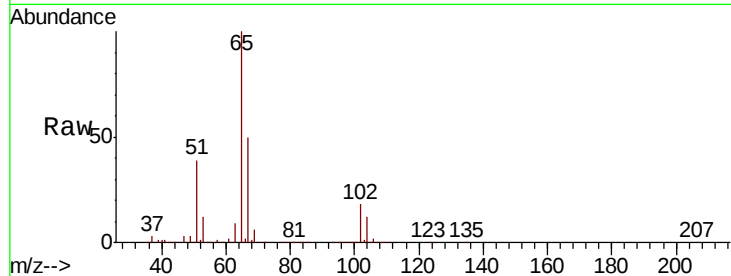




#33
 1,2-Dichloroethane-d4
 Concen: 54.334 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012499.D
 Acq: 02 Sep 2019 15:19

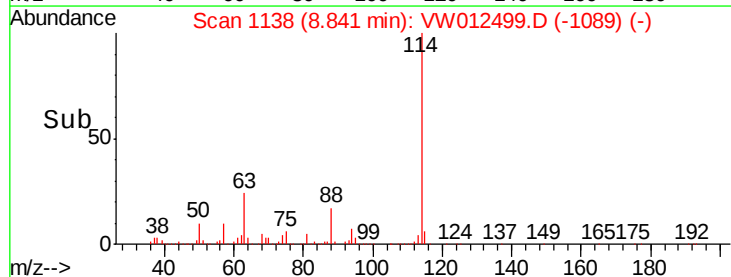
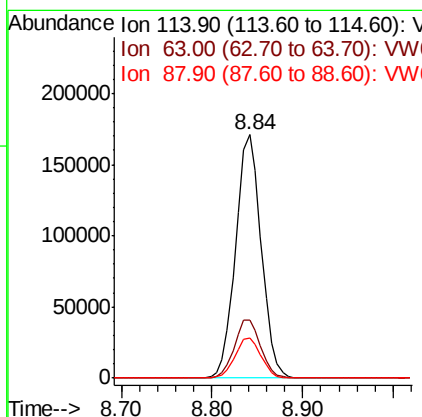
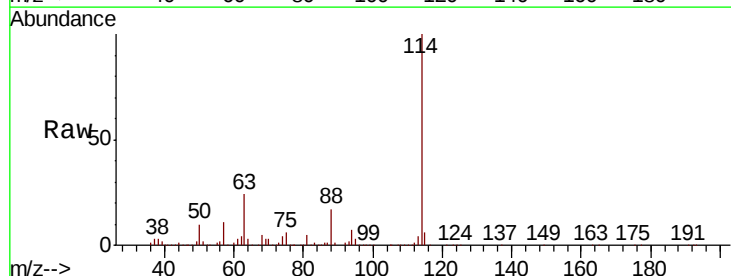
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S3-(1.9)

Tgt Ion: 65 Resp: 129555
 Ion Ratio Lower Upper
 65 100
 67 51.2 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: VW012499.D
 Acq: 02 Sep 2019 15:19

Tgt Ion: 114 Resp: 333619
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.674 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S3-(1.9)

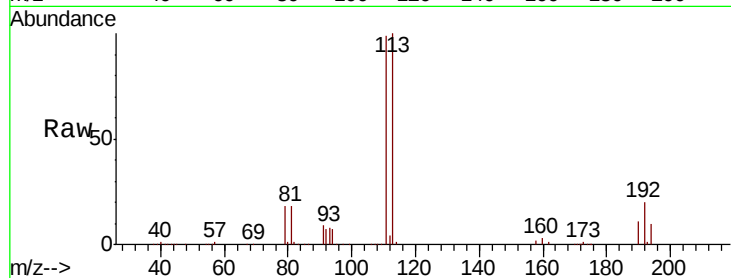
Tgt Ion:113 Resp: 100911

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

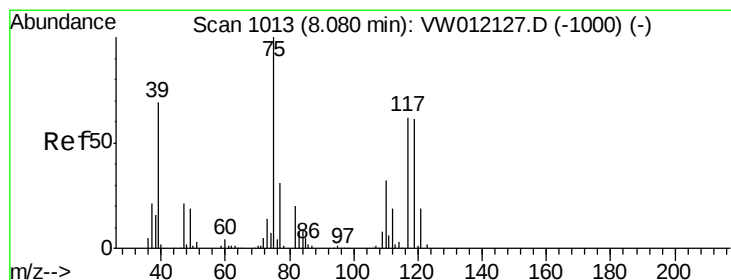
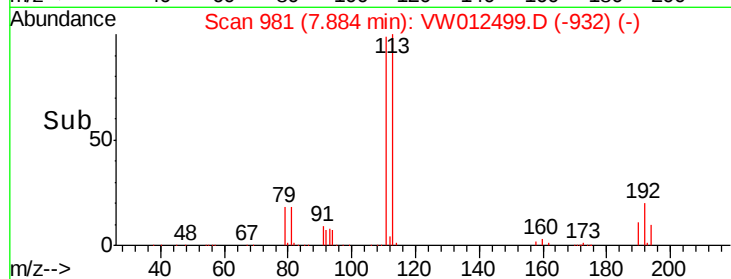
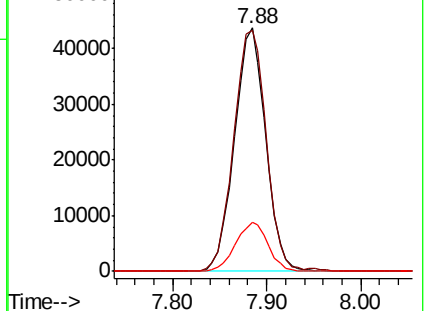
192 20.8 16.2 24.2



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: 4.984 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

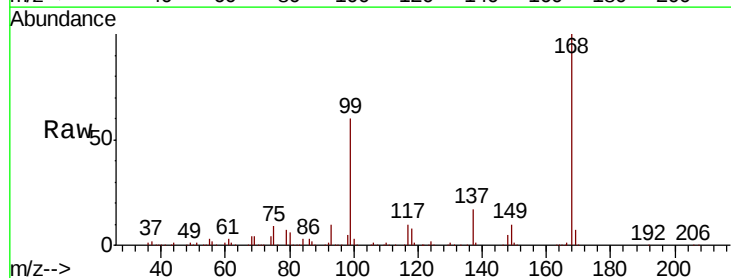
Tgt Ion: 75 Resp: 17181

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

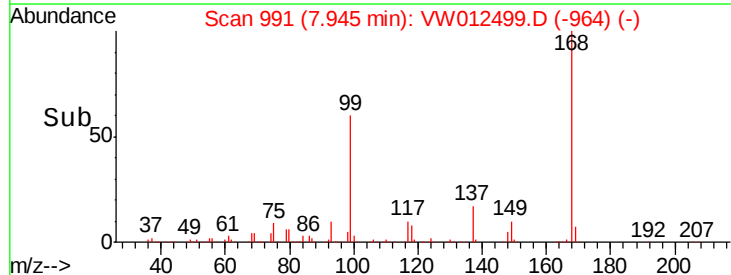
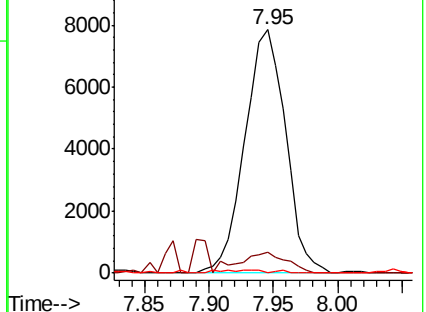
77 0.3 24.6 36.8#

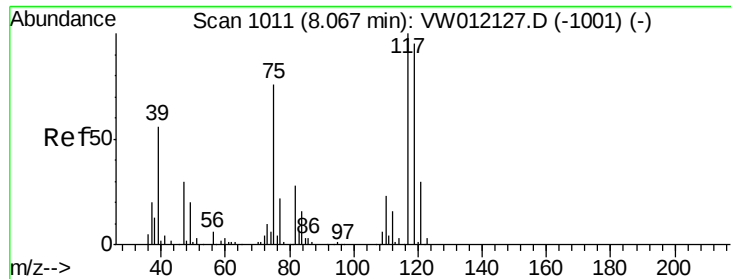


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

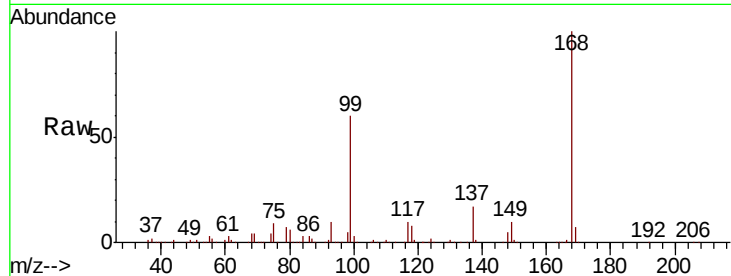




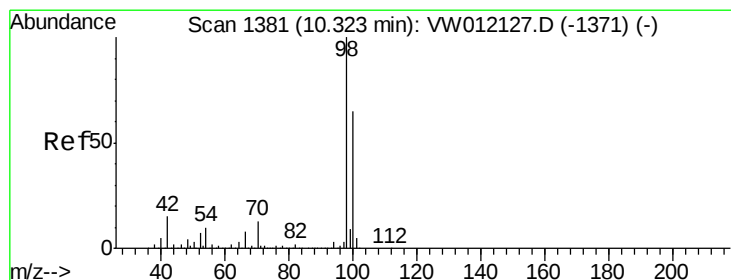
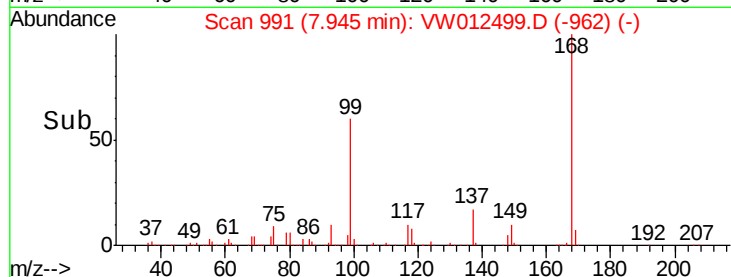
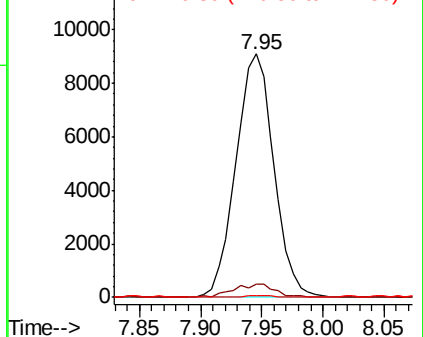
#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(1.9)

Tgt Ion:117 Resp: 19579
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.6 23.8 35.8#

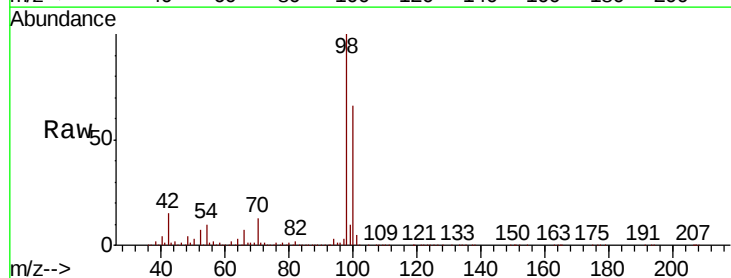


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

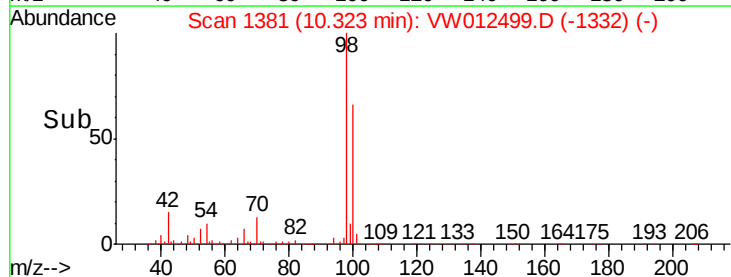
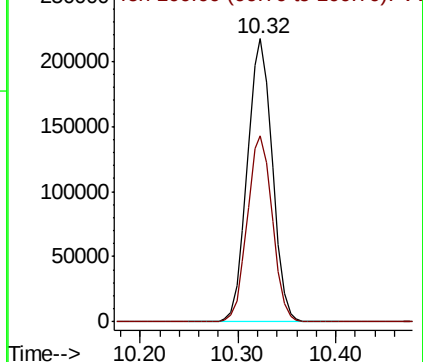


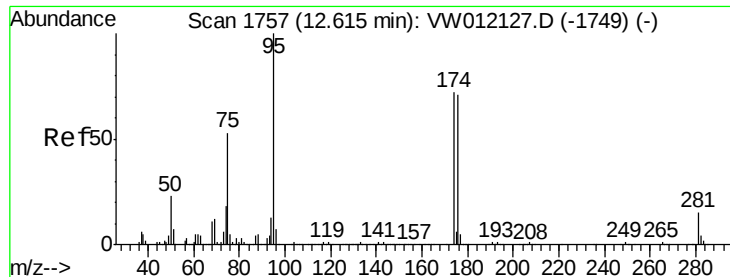
#50
Toluene-d8
Concen: 47.545 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

Tgt Ion: 98 Resp: 383900
Ion Ratio Lower Upper
98 100
100 65.9 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: 42.139 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S3-(1.9)

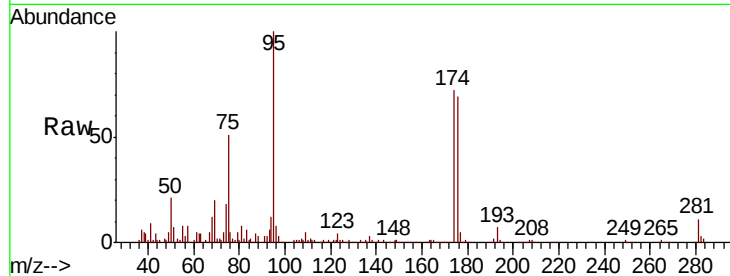
Tgt Ion: 95 Resp: 119939

Ion Ratio Lower Upper

95 100

174 69.0 0.0 150.8

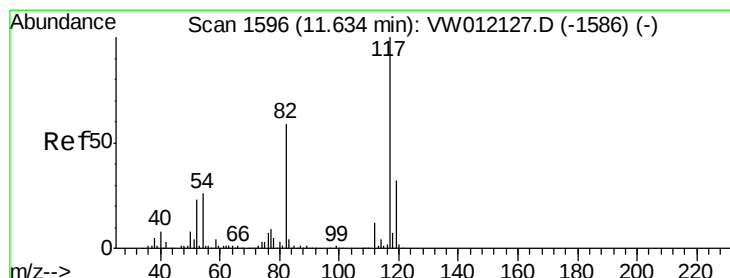
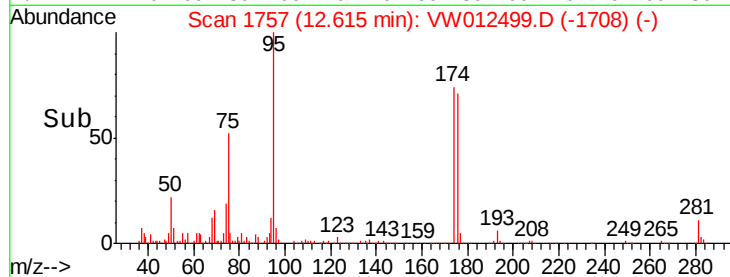
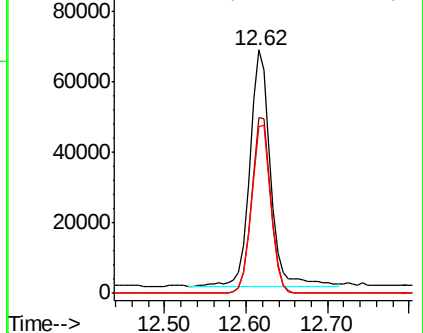
176 66.6 0.0 148.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

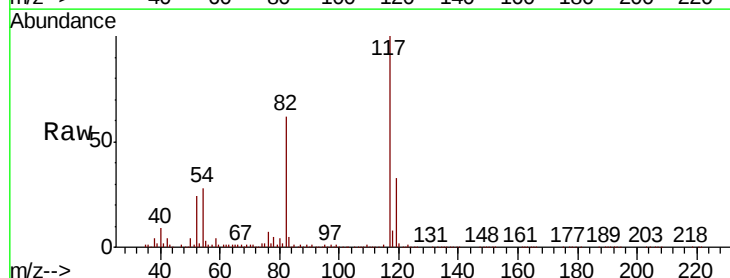
Tgt Ion: 117 Resp: 241216

Ion Ratio Lower Upper

117 100

82 61.7 47.4 71.2

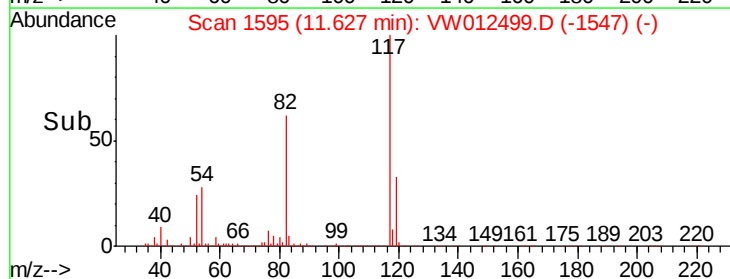
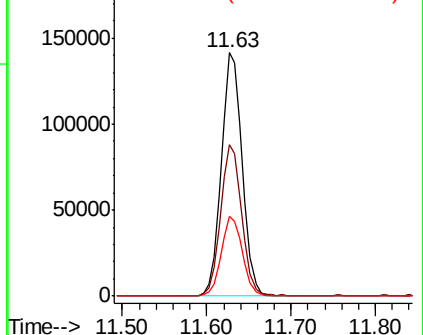
119 32.5 25.4 38.2

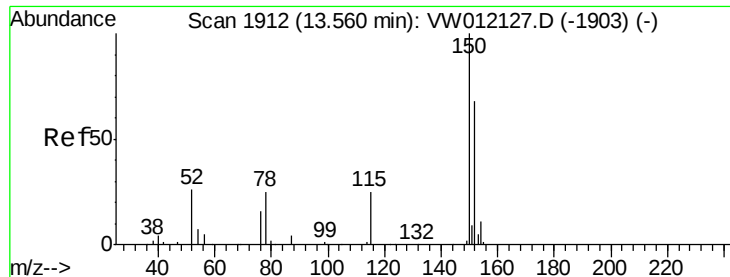


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012499.D

Acq: 02 Sep 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S3-(1.9)

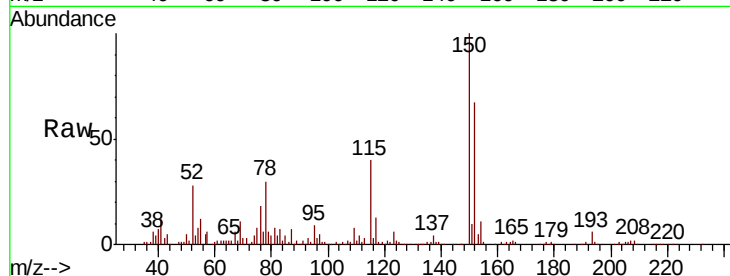
Tgt Ion:152 Resp: 75195

Ion Ratio Lower Upper

152 100

115 58.0 30.1 90.3

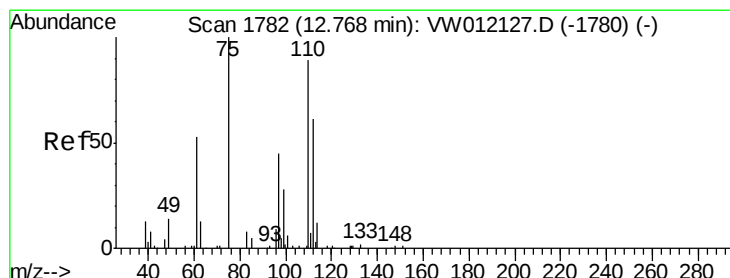
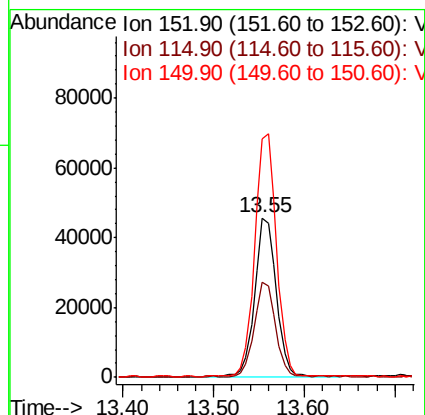
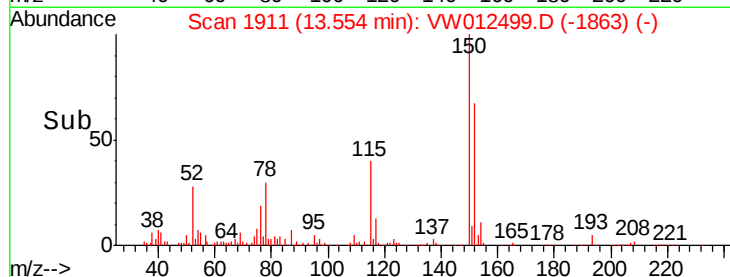
150 153.1 0.0 345.8



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: 78.698 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012499.D

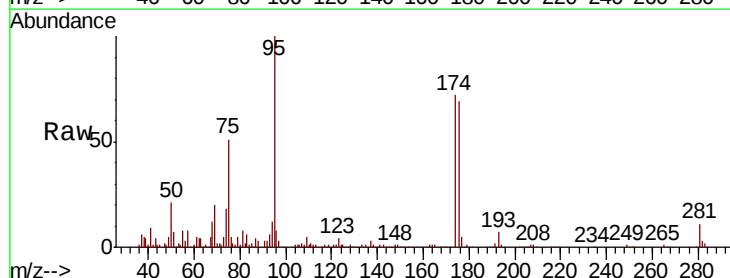
Acq: 02 Sep 2019 15:19

Tgt Ion: 75 Resp: 57634

Ion Ratio Lower Upper

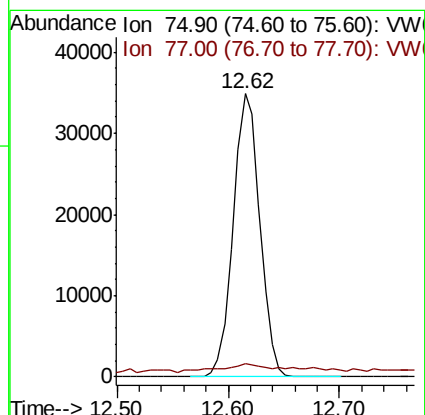
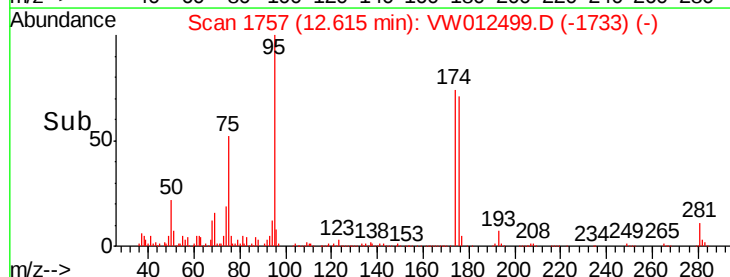
75 100

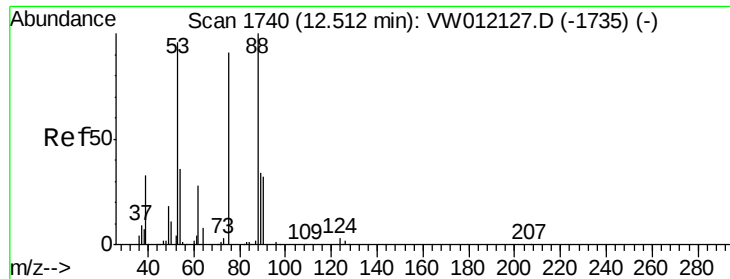
77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

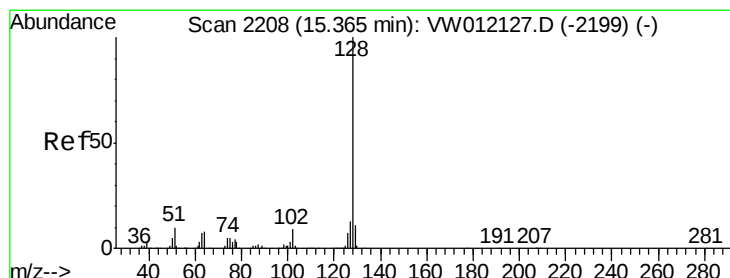
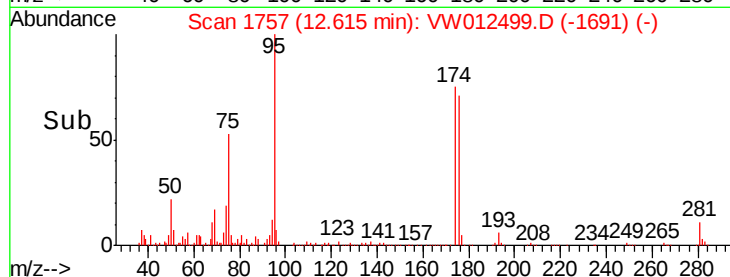
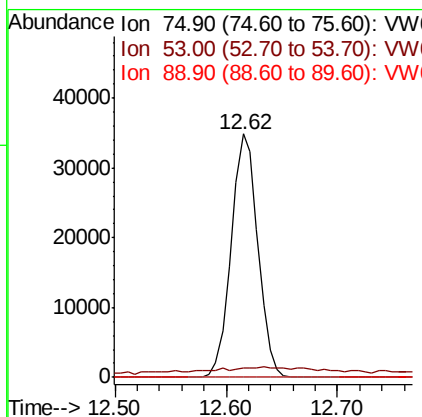
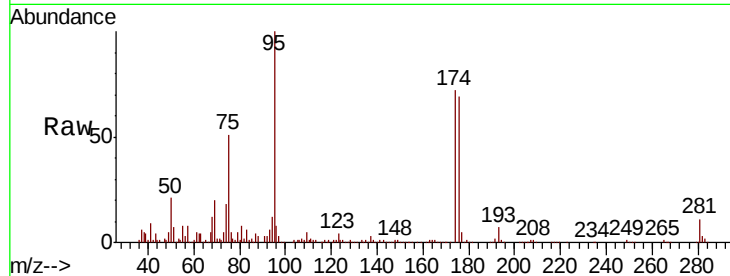




#81
trans-1,4-Dichloro-2-butene
Concen: 172.548 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S3-(1.9)

Tgt Ion: 75 Resp: 57634
Ion Ratio Lower Upper
75 100
53 1.4 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.555 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012499.D
Acq: 02 Sep 2019 15:19

Tgt Ion: 128 Resp: 726
Ion Ratio Lower Upper
128 100
127 19.8 10.7 16.1#
129 24.1 8.7 13.1#

