

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012496.D
 Acq On : 02 Sep 2019 14:02
 Operator : SY/VA
 Sample : K4528-14RE
 Misc : 3.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S4-(0)

Quant Time: Sep 03 07:39:03 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	201377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	324271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73533	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128995	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.88	113	99840	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.32	98	380139	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.62	95	102627	37.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.20%	

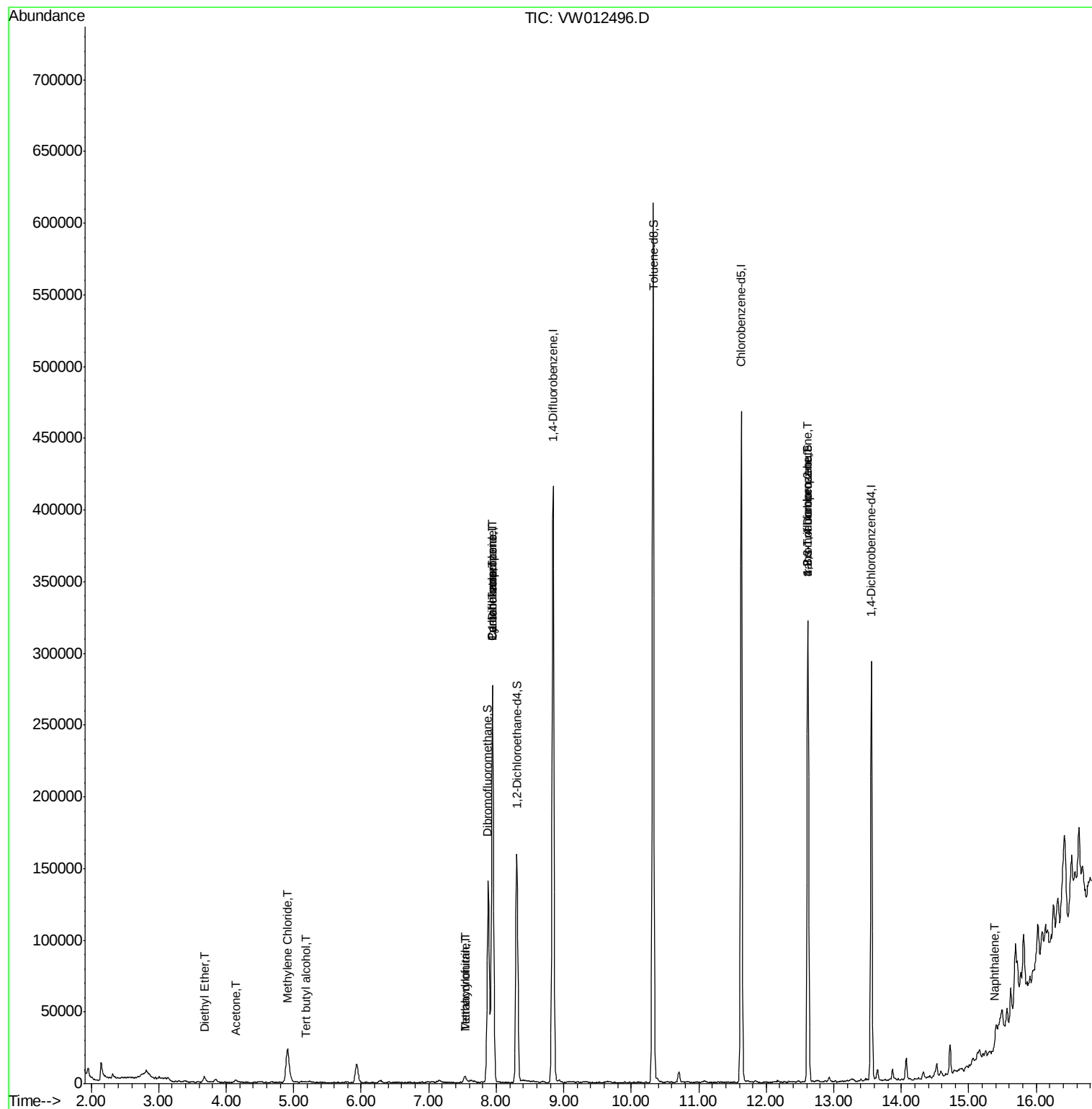
Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	2015	1.798	ug/l	85
11) Tert butyl alcohol	5.18	59	428	2.971	ug/l	99
16) Acetone	4.14	43	3501	5.721	ug/l #	78
20) Methylene Chloride	4.90	84	17625	7.619	ug/l	97
29) Tetrahydrofuran	7.54	42	4228	8.475	ug/l	96
31) Cyclohexane	7.95	56	4900	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17102	5.104	ug/l #	52
38) Carbon Tetrachloride	7.94	117	20185	6.960	ug/l #	16
41) Methacrylonitrile	7.54	41	2613	2.421	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	55318	77.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55318	169.357	ug/l #	6
95) Naphthalene	15.37	128	1292	4.747	ug/l #	82

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
Data File : VW012496.D
Acq On : 02 Sep 2019 14:02
Operator : SY/VA
Sample : K4528-14RE
Misc : 3.26G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(0)

Quant Time: Sep 03 07:39:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012496.D

Acq: 02 Sep 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

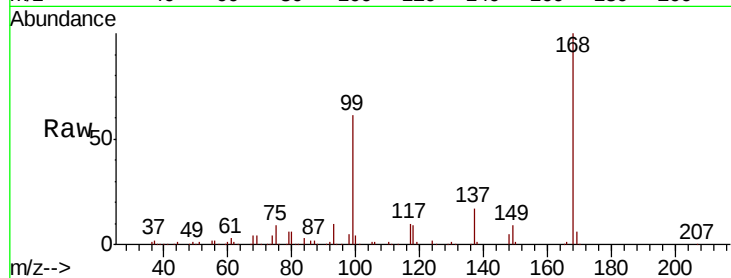
T9-12-13-S4-(0)

Tgt Ion:168 Resp: 201377

Ion Ratio Lower Upper

168 100

99 60.8 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

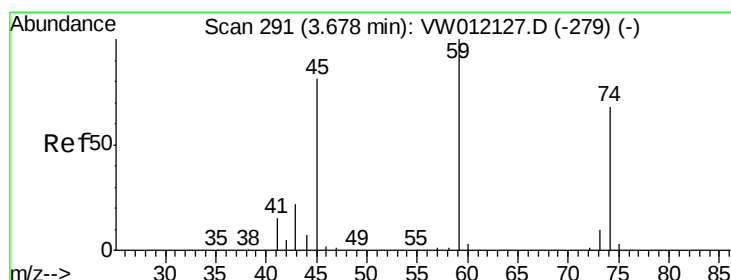
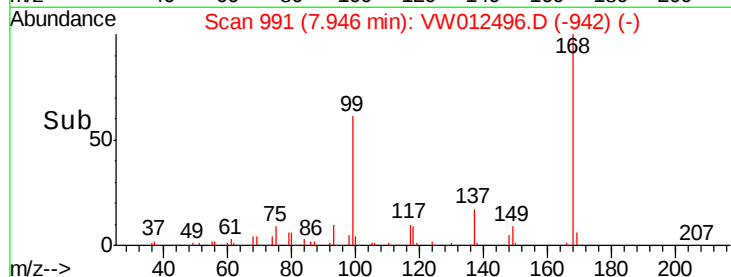
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.798 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012496.D

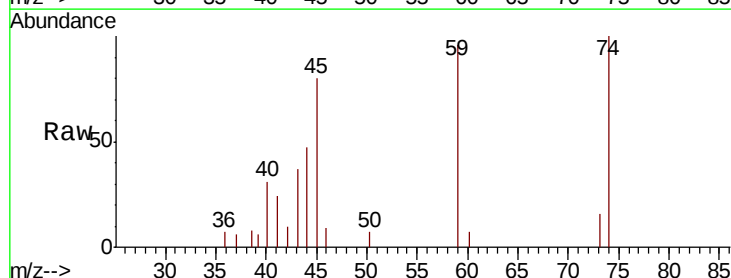
Acq: 02 Sep 2019 14:02

Tgt Ion: 74 Resp: 2015

Ion Ratio Lower Upper

74 100

45 134.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

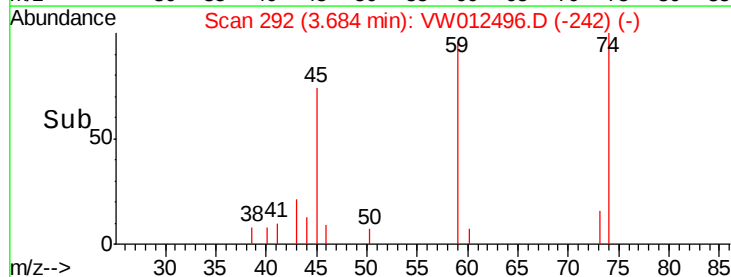
3.68

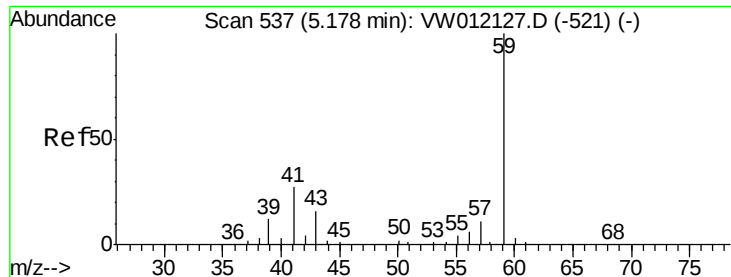
1000

500

0

Time-->

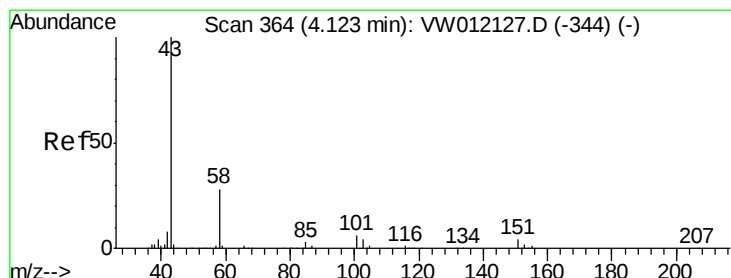
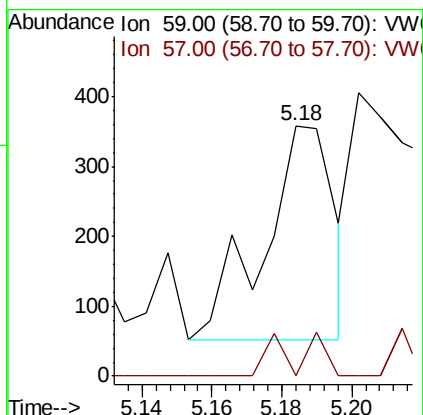
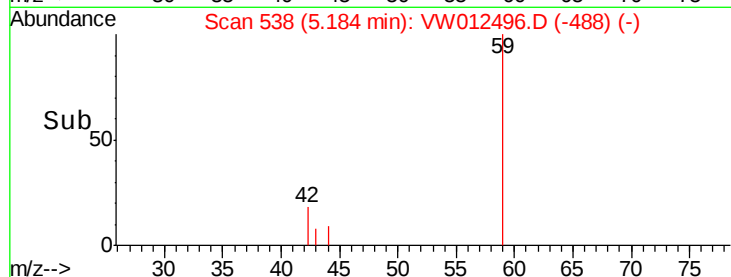
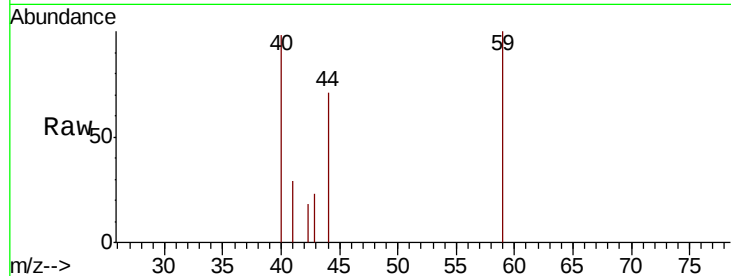




#11
Tert butyl alcohol
Concen: 2.971 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

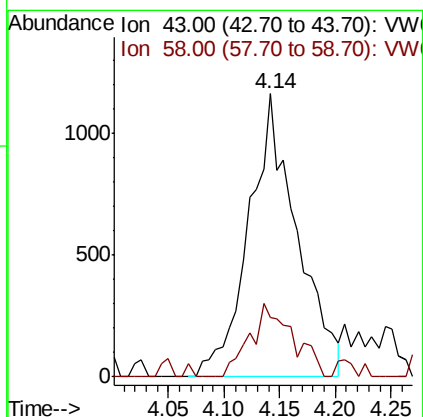
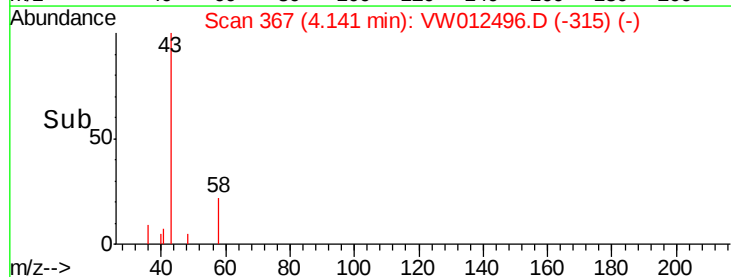
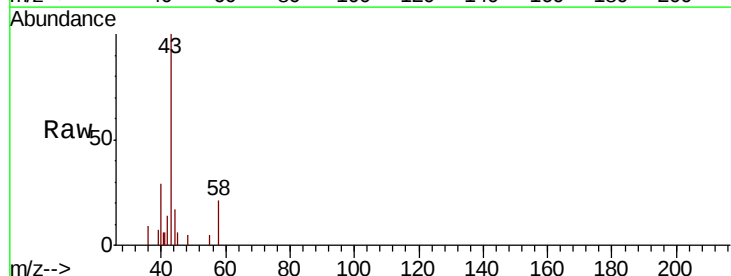
Instrument :
MSVOA_W
ClientSampled :
T9-12-13-S4-(0)

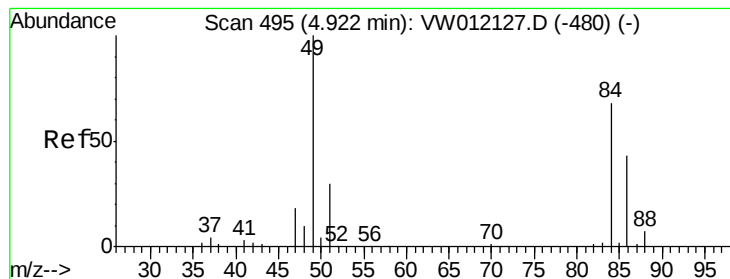
Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.4



#16
Acetone
Concen: 5.721 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
58 16.5 22.4 33.6#





#20

Methylene Chloride

Concen: 7.619 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(0)

Tgt Ion: 84 Resp: 17625

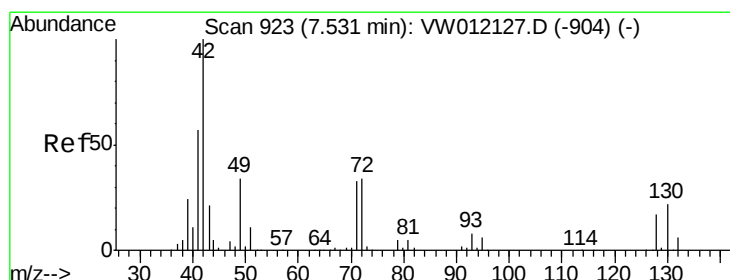
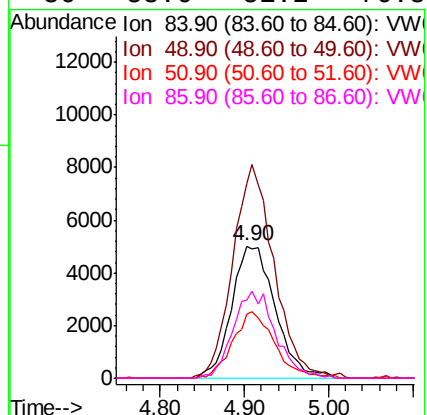
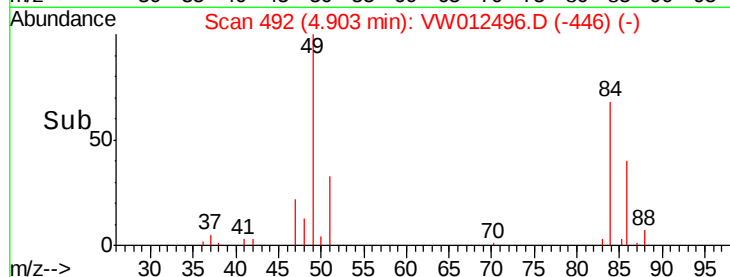
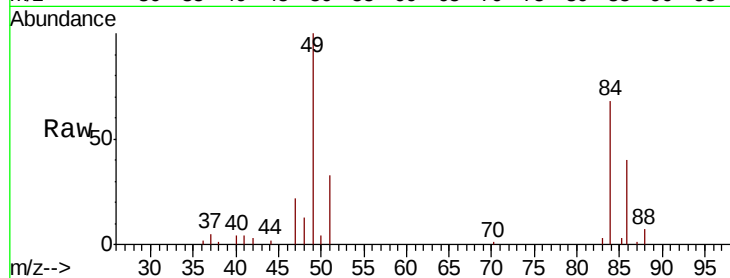
Ion Ratio Lower Upper

84 100

49 147.1 117.8 176.8

51 48.1 35.6 53.4

86 58.6 51.2 76.8



#29

Tetrahydrofuran

Concen: 8.475 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

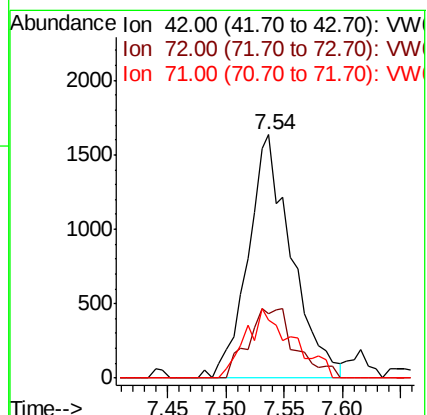
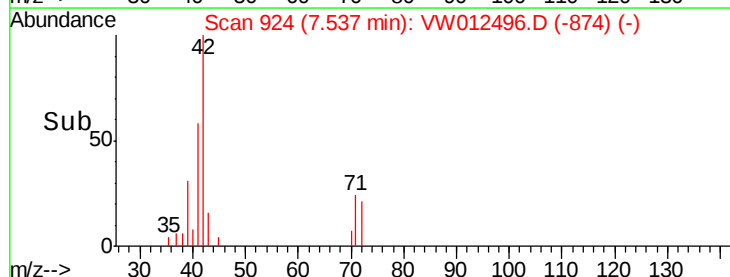
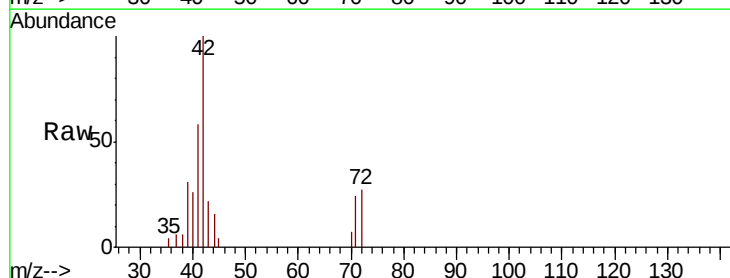
Tgt Ion: 42 Resp: 4228

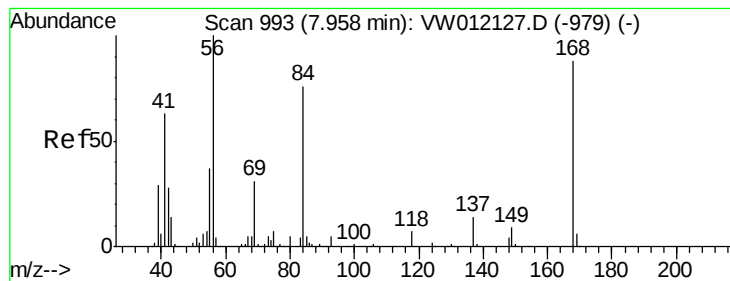
Ion Ratio Lower Upper

42 100

72 31.2 27.3 40.9

71 30.8 25.5 38.3





#31

Cyclohexane

Concen: 1.136 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(0)

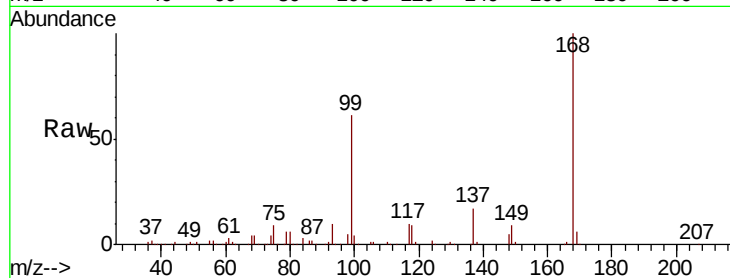
Tgt Ion: 56 Resp: 4900

Ion Ratio Lower Upper

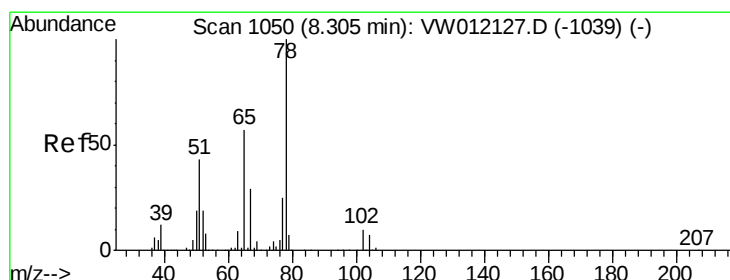
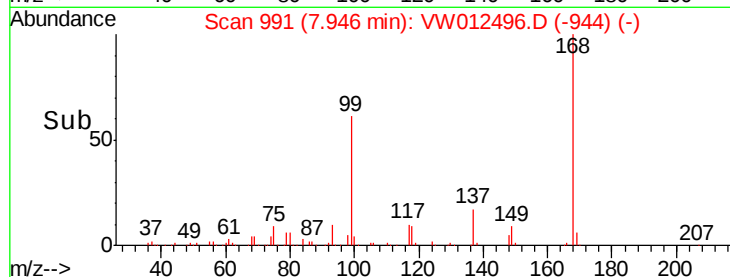
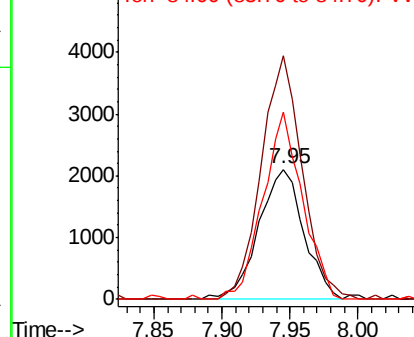
56 100

69 187.0 24.9 37.3#

84 143.8 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: 53.885 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012496.D

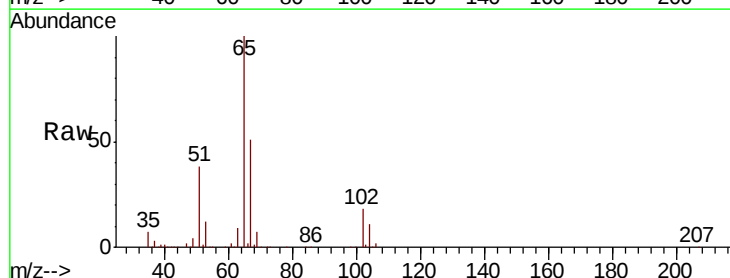
Acq: 02 Sep 2019 14:02

Tgt Ion: 65 Resp: 128995

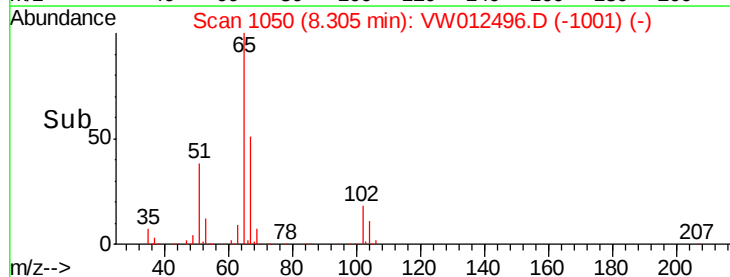
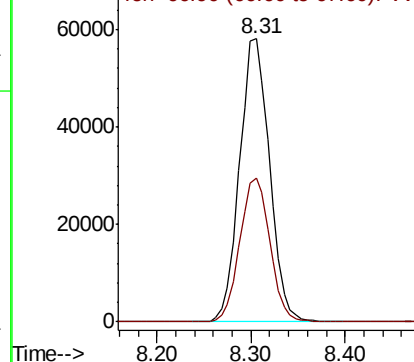
Ion Ratio Lower Upper

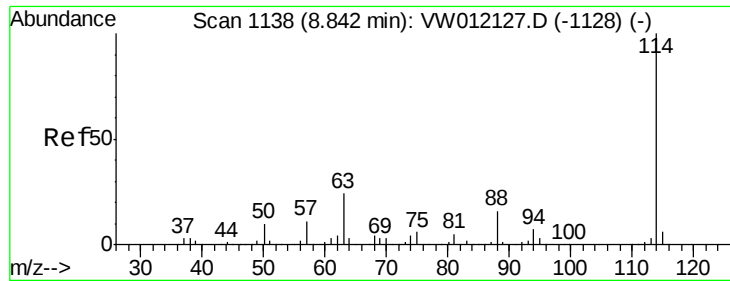
65 100

67 51.1 0.0 102.6



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

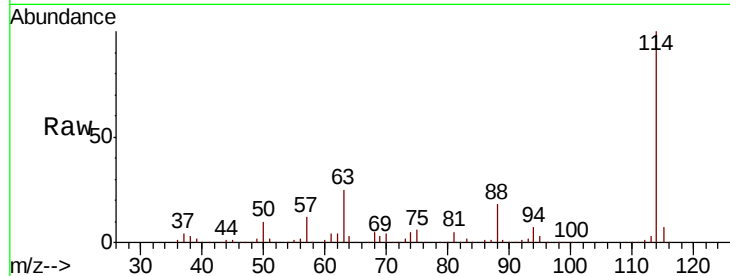




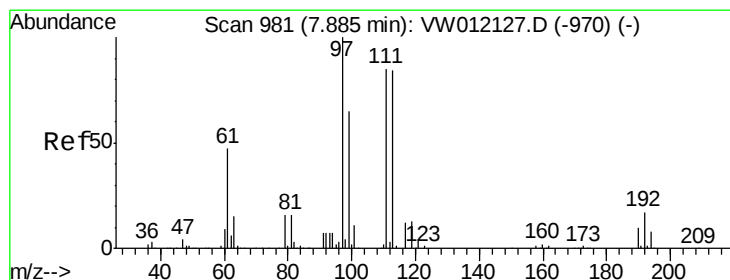
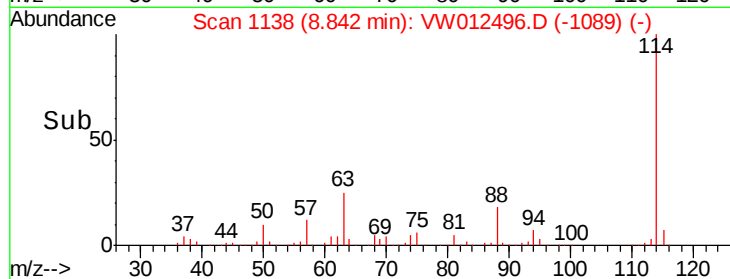
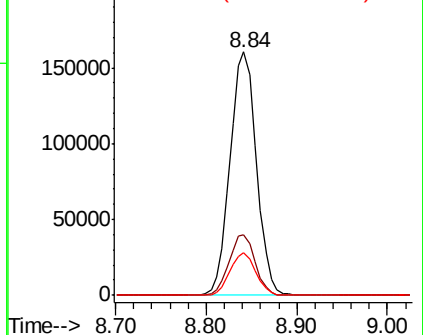
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012496.D
 Acq: 02 Sep 2019 14:02

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-S4-(0)

Tgt Ion:114 Resp: 324271
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 17.8 0.0 32.2

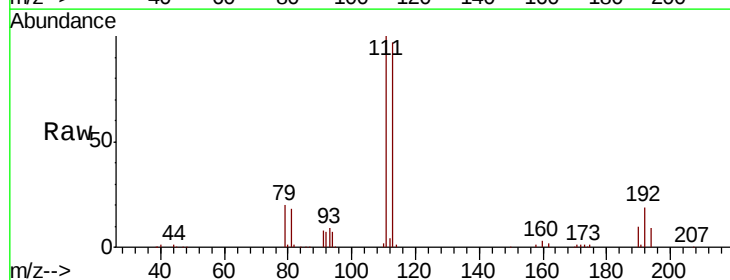


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

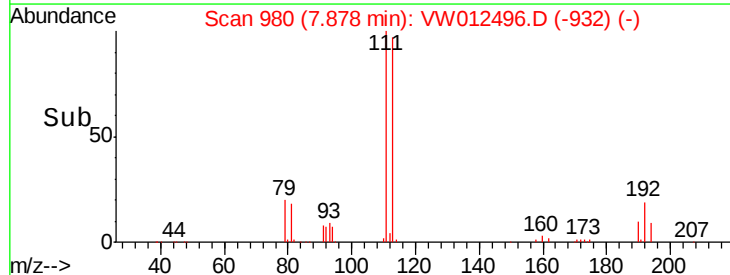
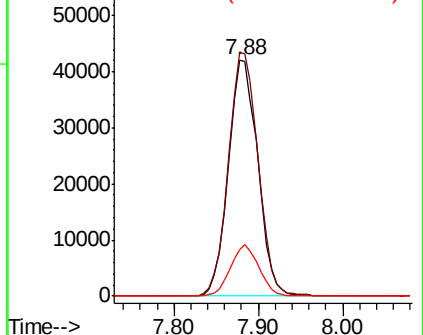


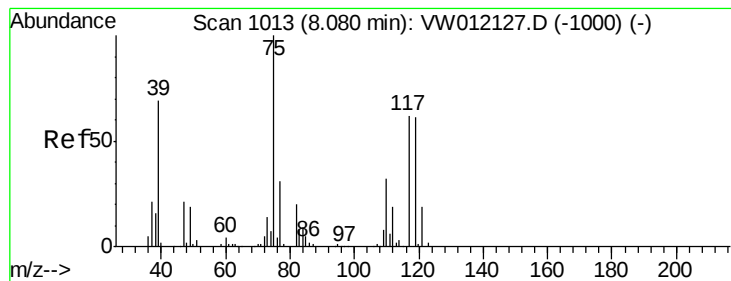
#35
 Dibromofluoromethane
 Concen: 51.581 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012496.D
 Acq: 02 Sep 2019 14:02

Tgt Ion:113 Resp: 99840
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 21.0 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: 5.104 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(0)

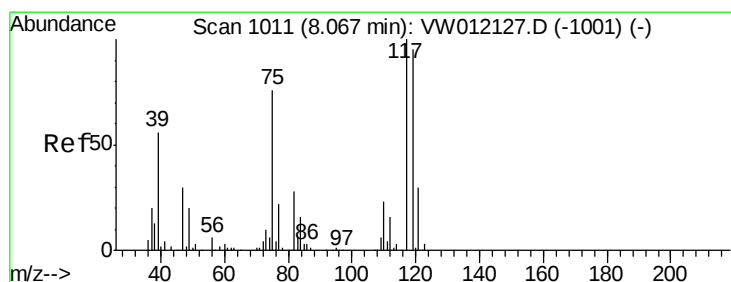
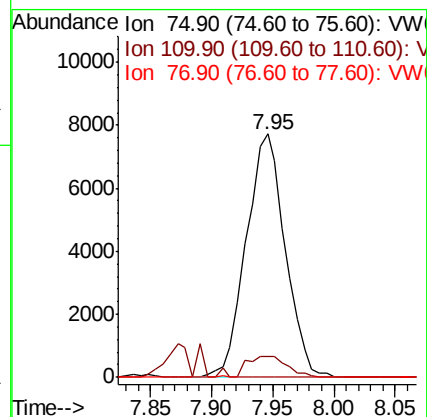
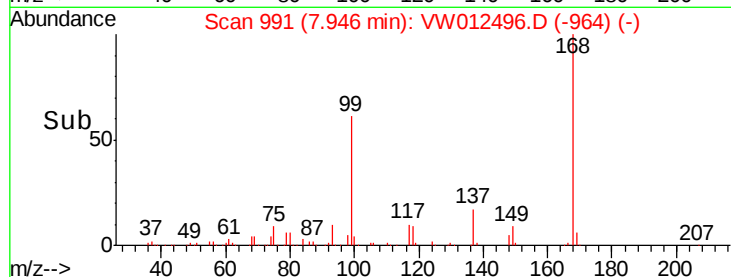
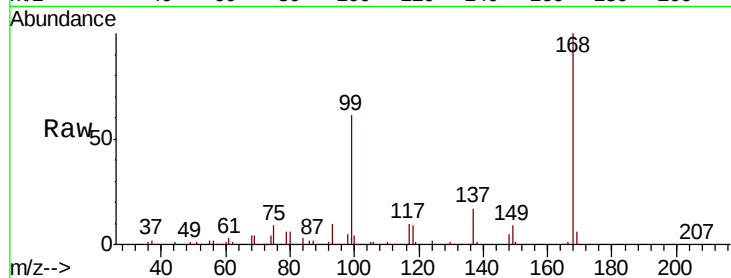
Tgt Ion: 75 Resp: 17102

Ion Ratio Lower Upper

75 100

110 8.9 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.960 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

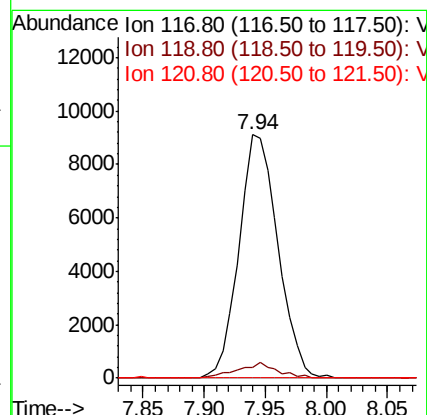
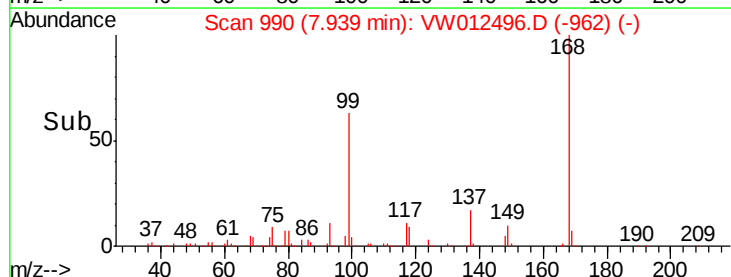
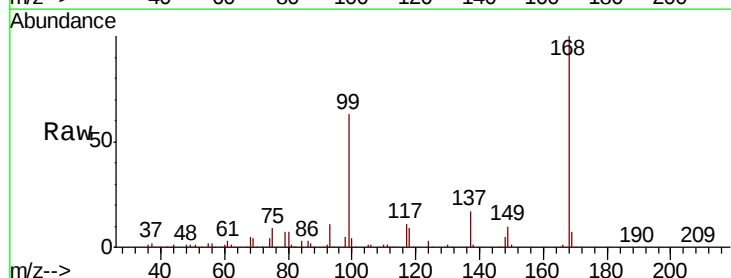
Tgt Ion: 117 Resp: 20185

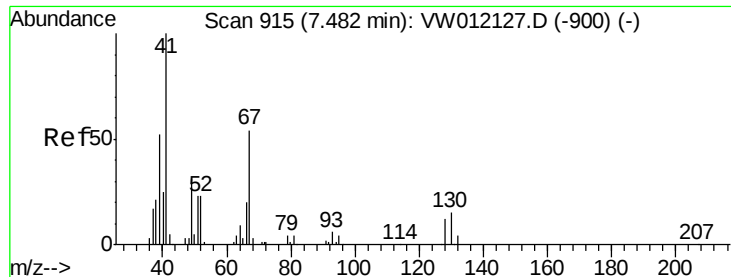
Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.421 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

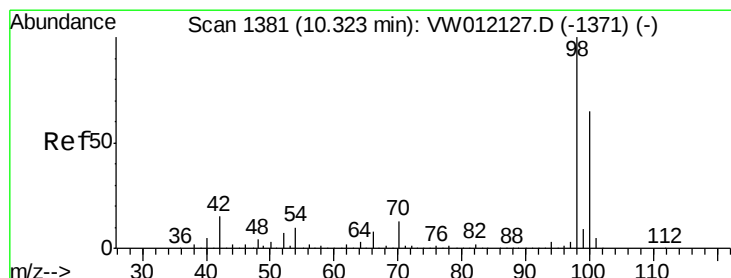
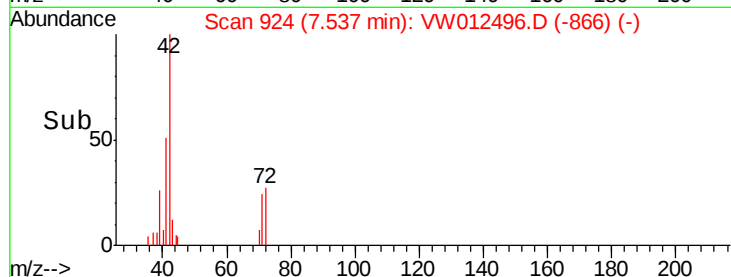
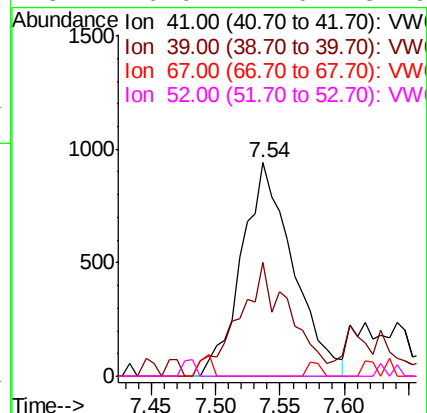
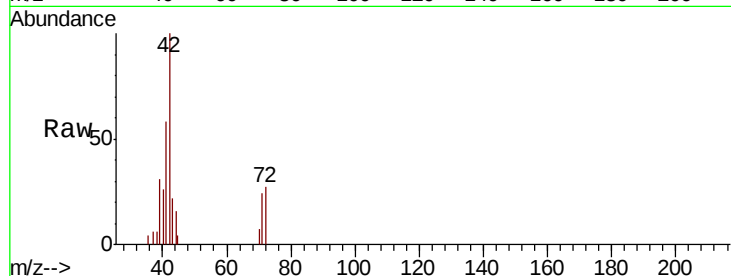
Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(0)

Tgt Ion:	41	Resp:	2613
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 48.436 ug/l

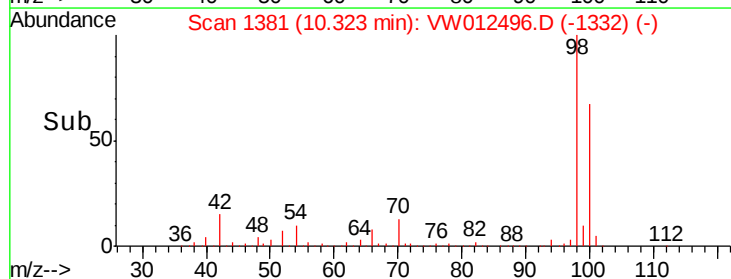
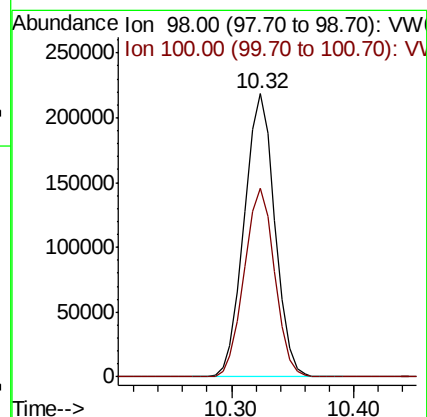
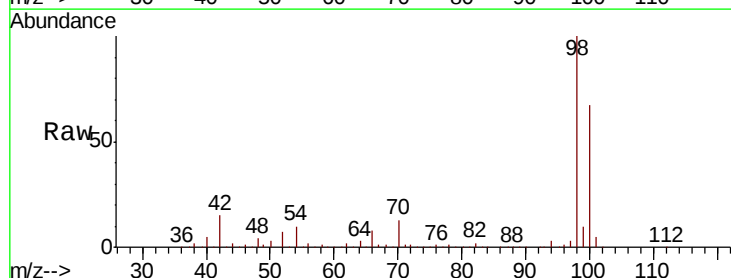
RT: 10.32 min Scan# 1381

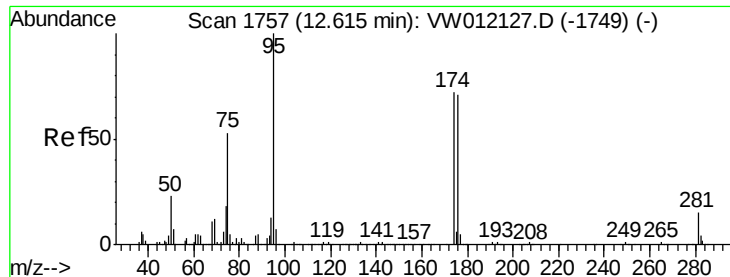
Delta R.T. 0.00 min

Lab File: VW012496.D

Acq: 02 Sep 2019 14:02

Tgt Ion:	98	Resp:	380139
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.4	78.6

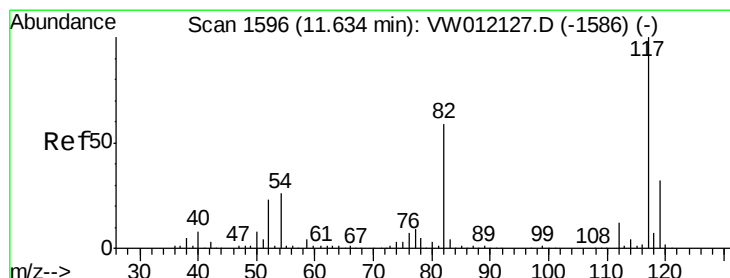
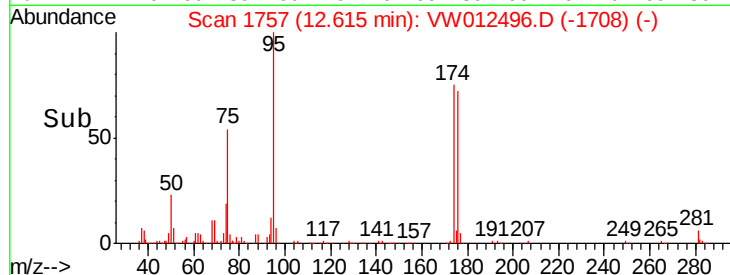
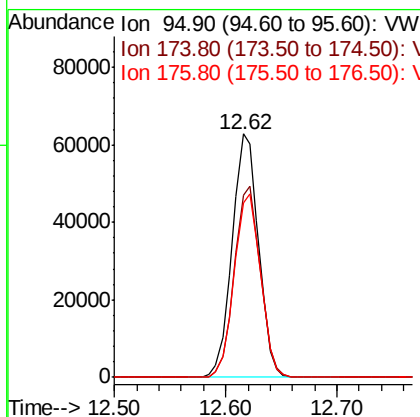
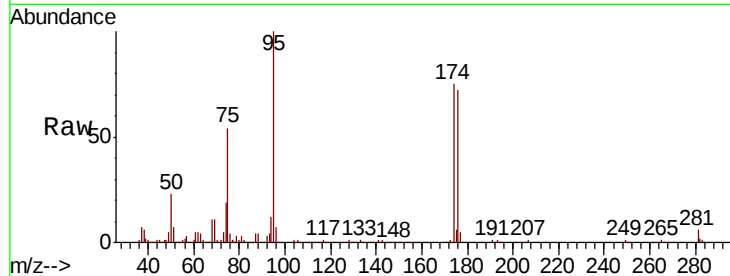




#62
4-Bromofluorobenzene
Concen: 37.096 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

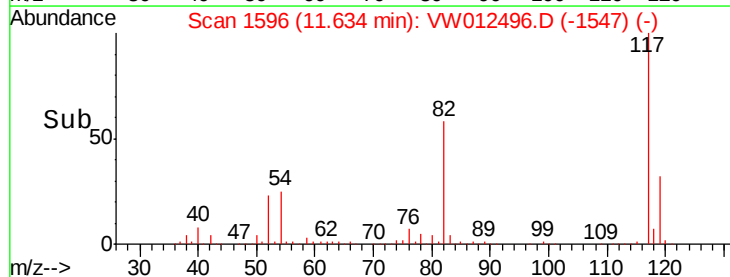
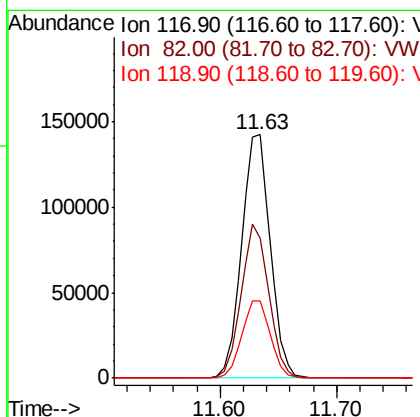
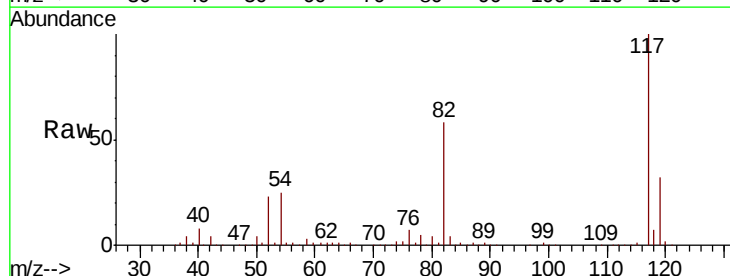
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(0)

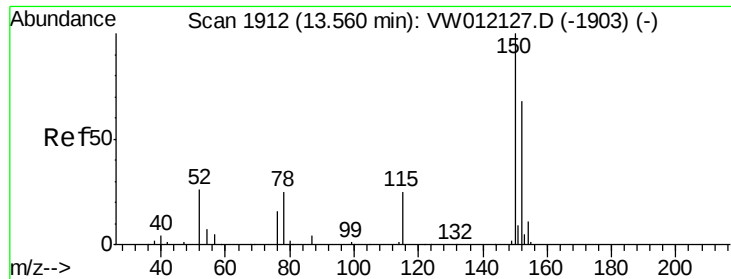
Tgt Ion: 95 Resp: 102627
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.8
176 75.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

Tgt Ion: 117 Resp: 245081
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 32.0 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: VW012496.D

Acq: 02 Sep 2019 14:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-S4-(0)

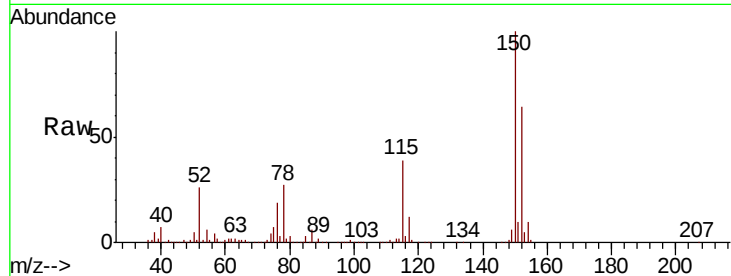
Tgt Ion:152 Resp: 73533

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

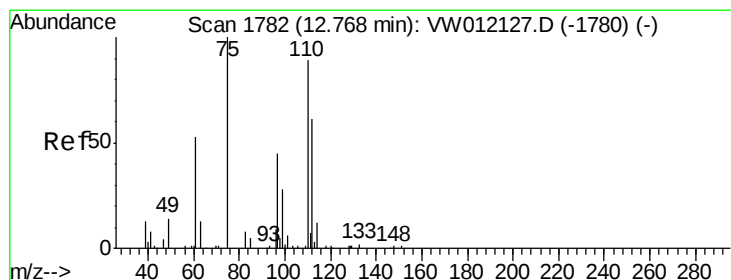
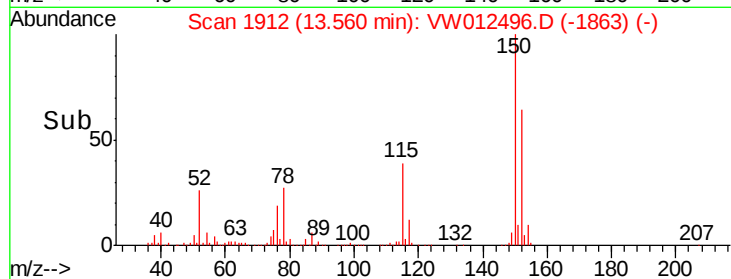
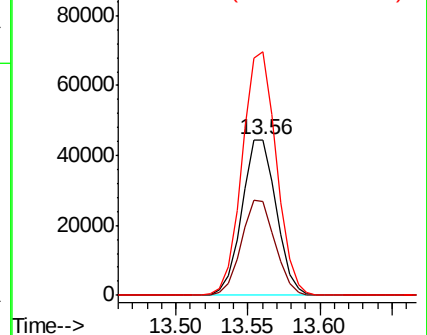
150 155.5 0.0 345.8



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: 77.243 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012496.D

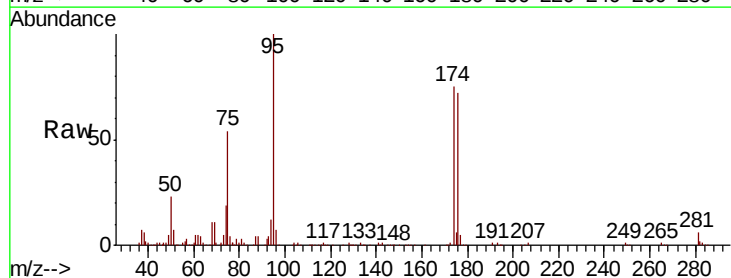
Acq: 02 Sep 2019 14:02

Tgt Ion: 75 Resp: 55318

Ion Ratio Lower Upper

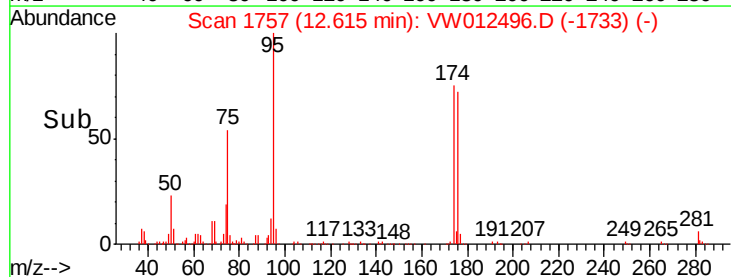
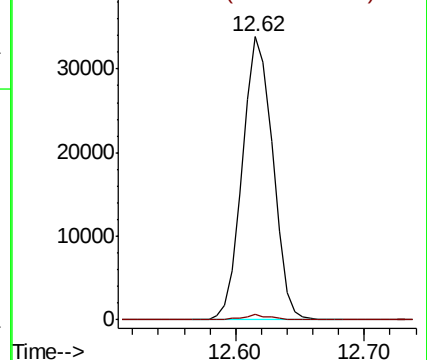
75 100

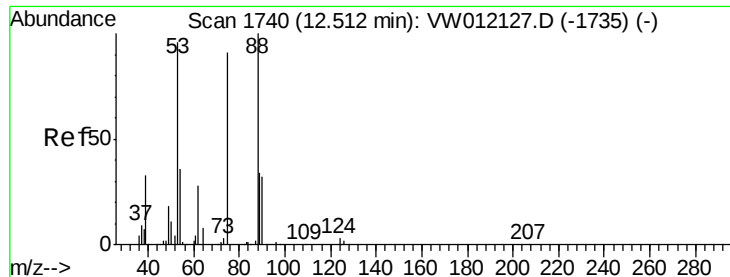
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

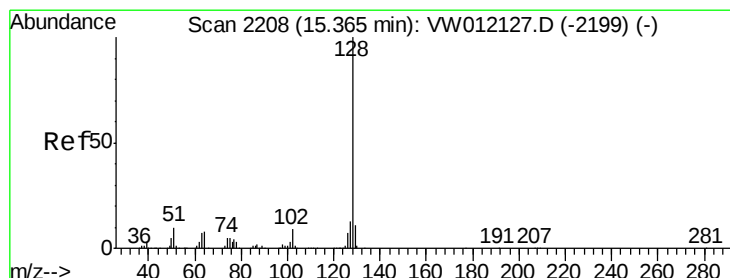
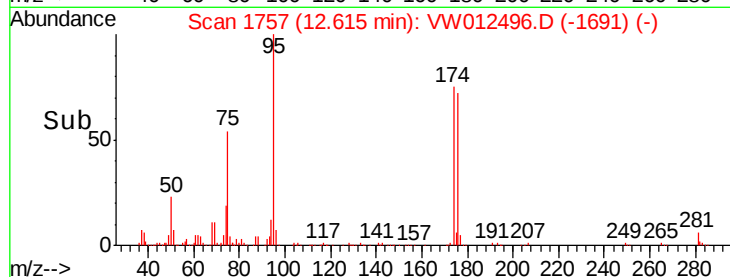
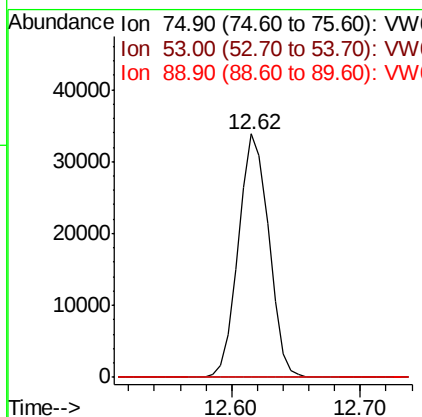
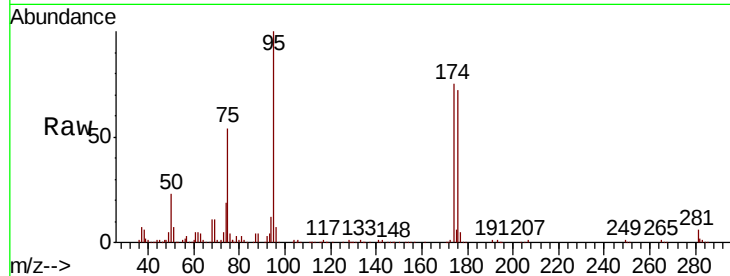




#81
trans-1,4-Dichloro-2-butene
Concen: 169.357 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-S4-(0)

Tgt Ion: 75 Resp: 55318
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.747 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012496.D
Acq: 02 Sep 2019 14:02

Tgt Ion: 128 Resp: 1292
Ion Ratio Lower Upper
128 100
127 25.0 10.7 16.1#
129 12.8 8.7 13.1

