

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012046.D
 Acq On : 20 Aug 2019 22:39
 Operator : SY/VA
 Sample : K4387-11
 Misc : 5.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(0)

Quant Time: Aug 21 01:37:13 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

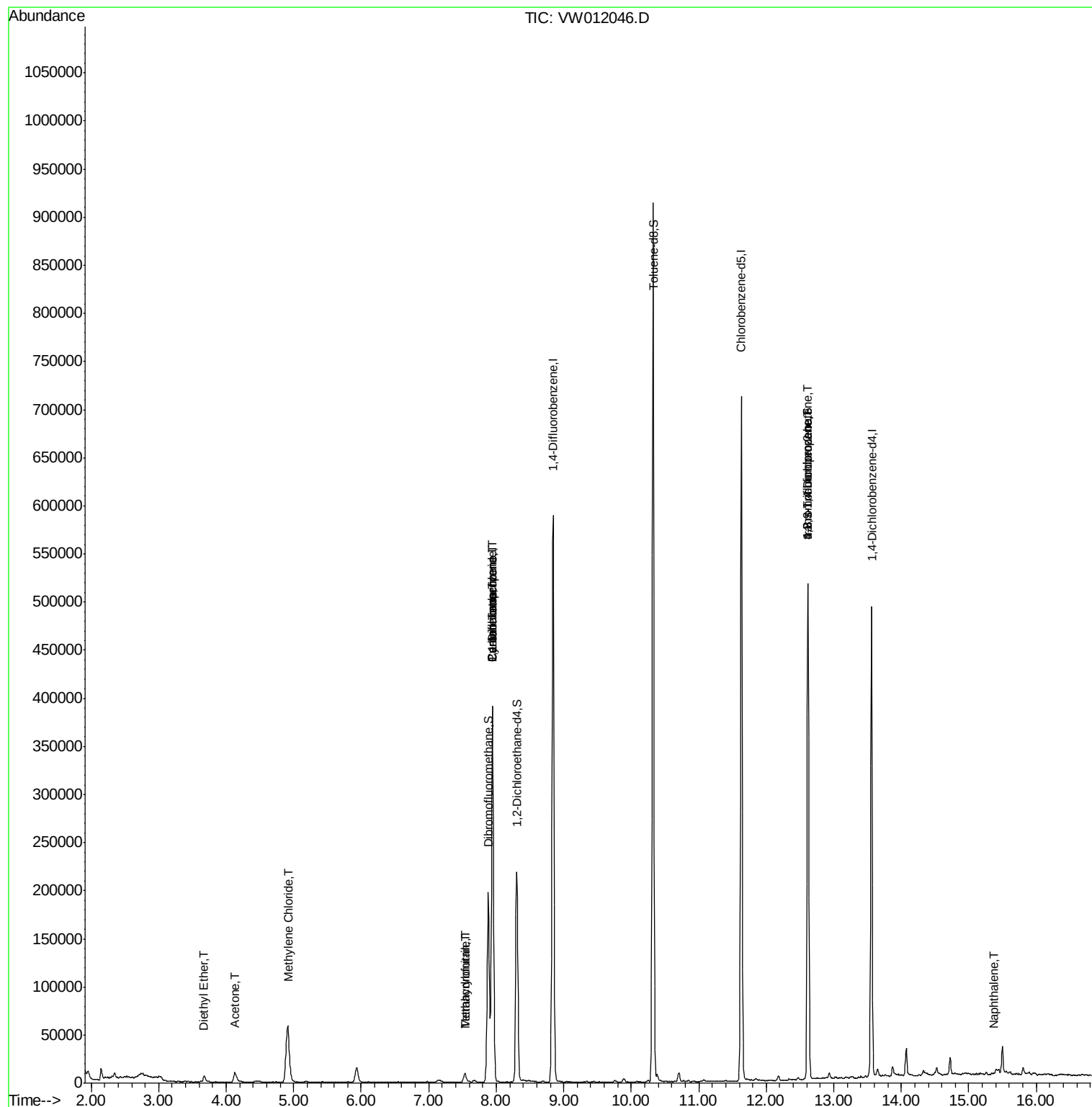
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122945	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	175733	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	141591	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.22%	
50) Toluene-d8	10.32	98	576378	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.62	95	167132	43.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.70%	
Target Compounds						
8) Diethyl Ether	3.67	74	3423	2.045	ug/l	78
11) Tert butyl alcohol	5.18	59	247	Below Cal	#	51
16) Acetone	4.13	43	20270	19.548	ug/l	99
20) Methylene Chloride	4.91	84	43970	12.295	ug/l	93
29) Tetrahydrofuran	7.54	42	8080	10.418	ug/l	95
31) Cyclohexane	7.94	56	6841	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24060	4.915	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27908	6.660	ug/l #	17
41) Methacrylonitrile	7.54	41	4981	2.959	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	88293	67.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88293	156.419	ug/l #	6
95) Naphthalene	15.36	128	874	2.239	ug/l #	89

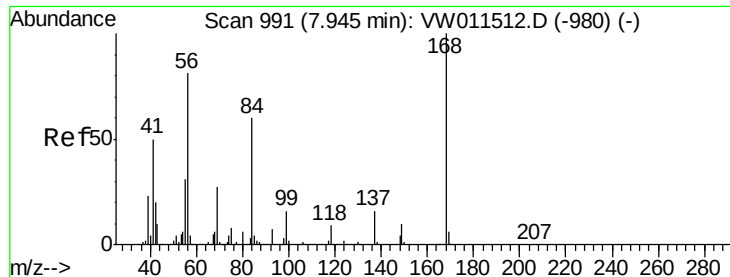
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
Data File : VW012046.D
Acq On : 20 Aug 2019 22:39
Operator : SY/VA
Sample : K4387-11
Misc : 5.69G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(0)

Quant Time: Aug 21 01:37:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW012046.D

Acq: 20 Aug 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

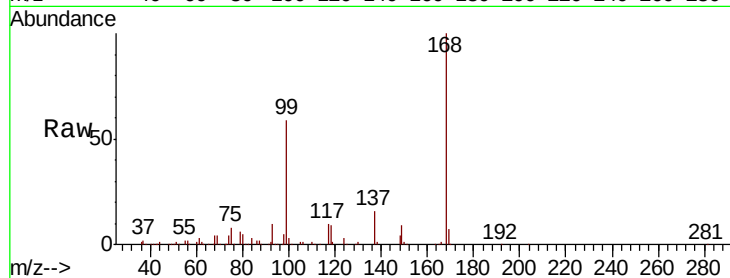
T4-A2-(0)

Tgt Ion:168 Resp: 283882

Ion Ratio Lower Upper

168 100

99 59.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

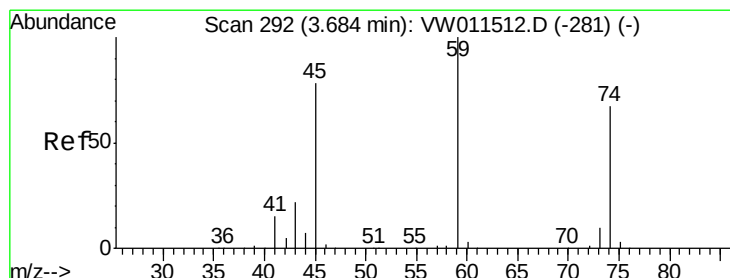
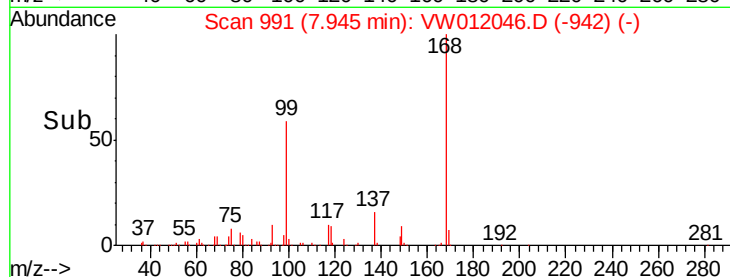
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.045 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.02 min

Lab File: VW012046.D

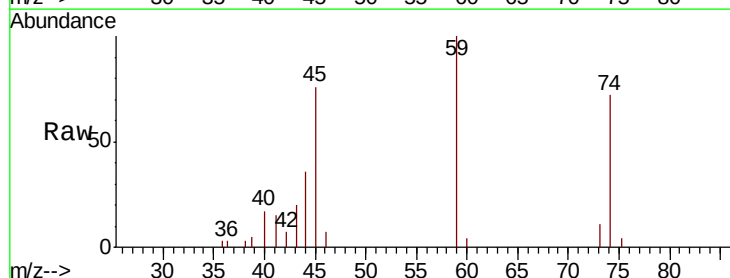
Acq: 20 Aug 2019 22:39

Tgt Ion: 74 Resp: 3423

Ion Ratio Lower Upper

74 100

45 143.4 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

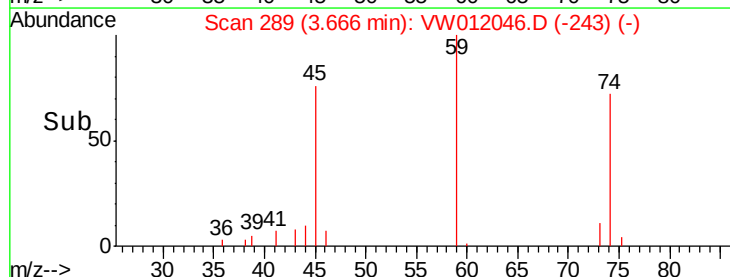
1500

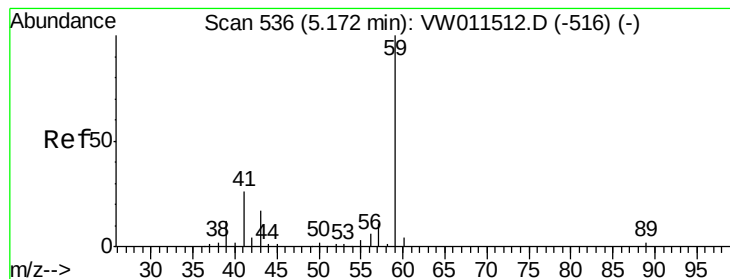
1000

500

0

Time-->



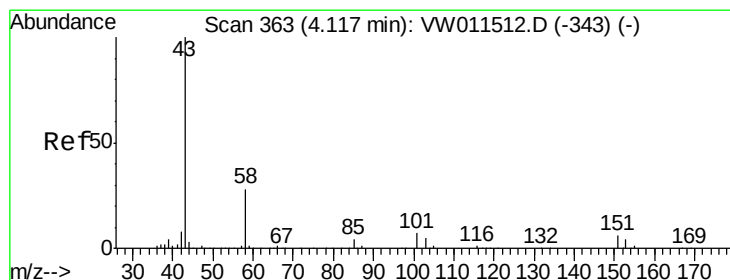
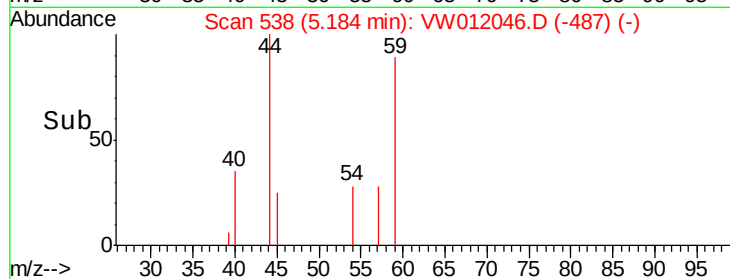
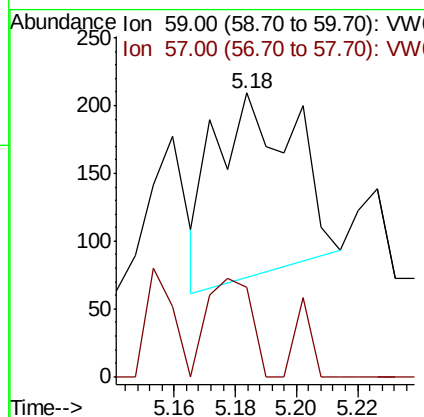
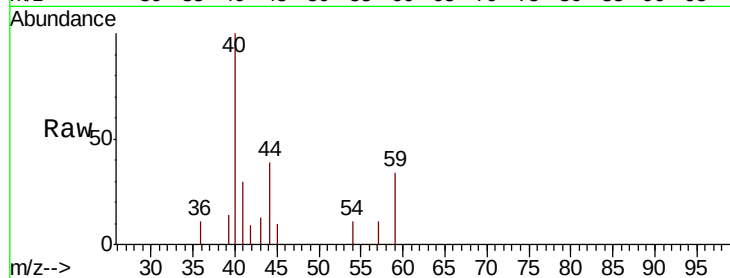


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012046.D
 Acq: 20 Aug 2019 22:39

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(0)

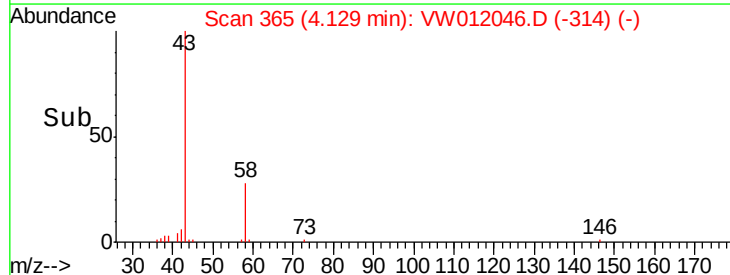
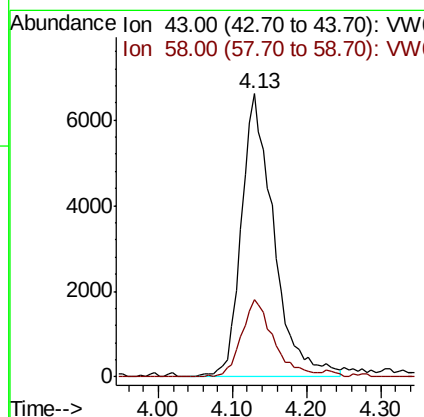
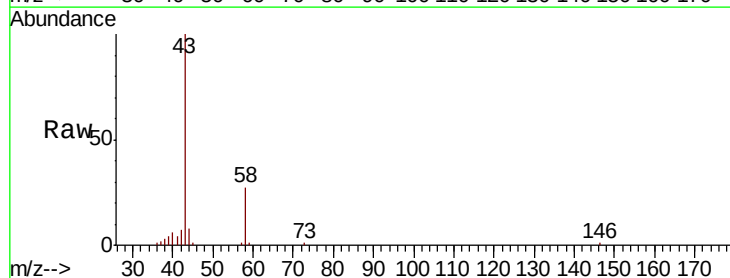
Tgt Ion: 59 Resp: 247
 Ion Ratio Lower Upper
 59 100
 57 29.1 8.5 12.7#

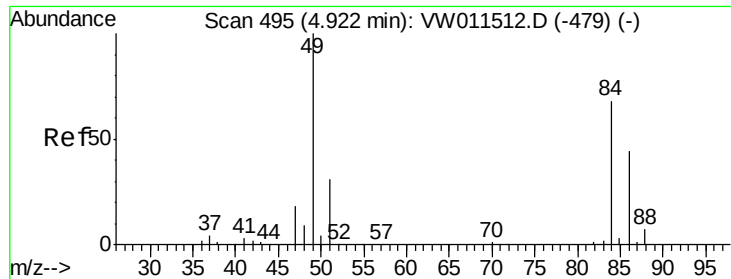


#16

Acetone
 Concen: 19.548 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012046.D
 Acq: 20 Aug 2019 22:39

Tgt Ion: 43 Resp: 20270
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.3 33.5

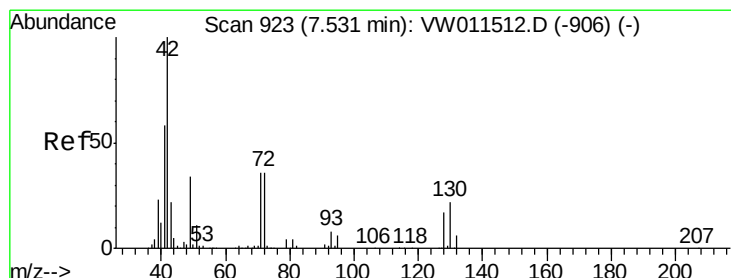
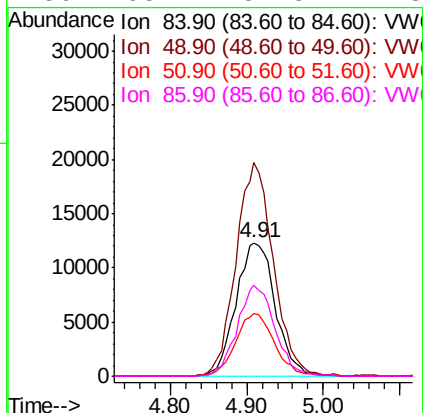
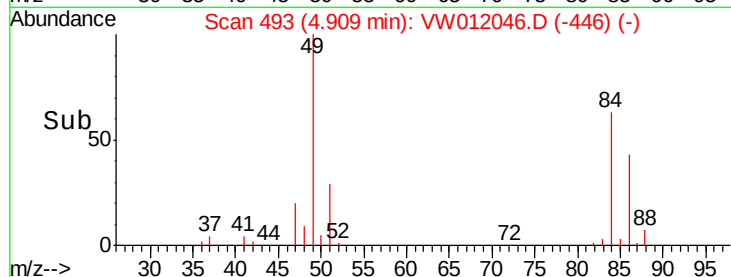
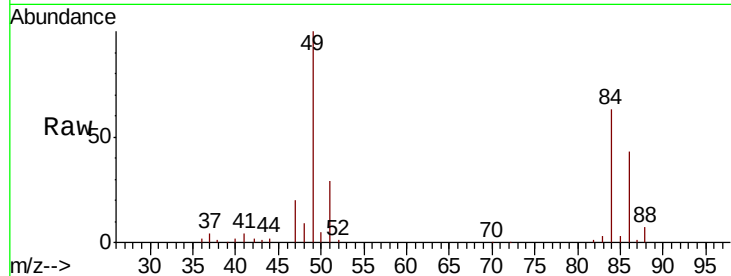




#20
Methylene Chloride
Concen: 12.295 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

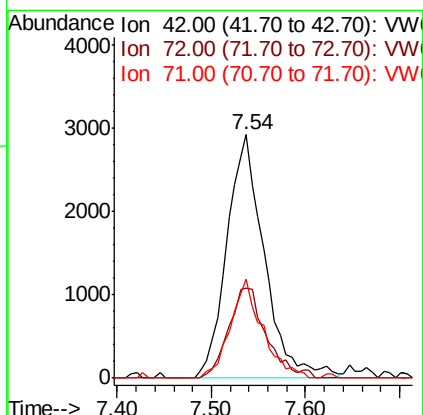
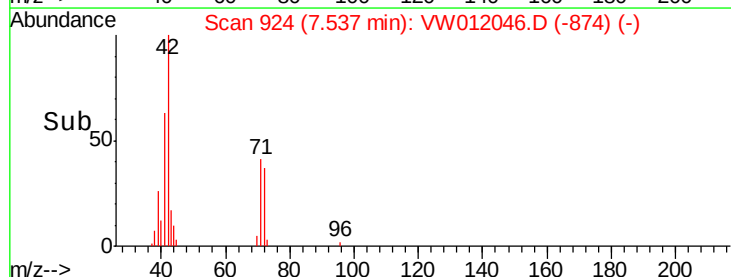
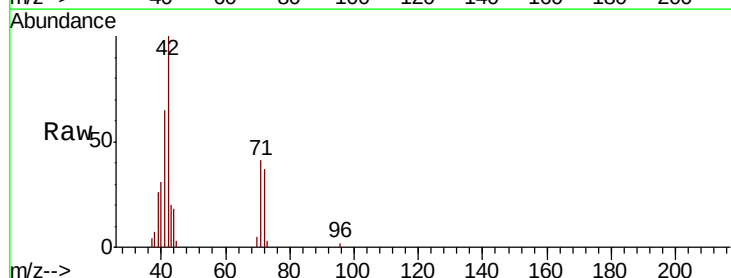
Instrument :
MSVOA_W
ClientSampled :
T4-A2-(0)

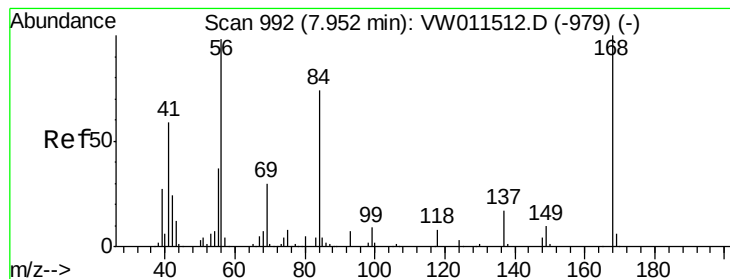
Tgt Ion: 84 Resp: 43970
Ion Ratio Lower Upper
84 100
49 160.0 117.8 176.6
51 46.7 37.0 55.4
86 68.4 51.8 77.8



#29
Tetrahydrofuran
Concen: 10.418 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Tgt Ion: 42 Resp: 8080
Ion Ratio Lower Upper
42 100
72 37.3 27.1 40.7
71 34.9 26.2 39.4





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012046.D

Acq: 20 Aug 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(0)

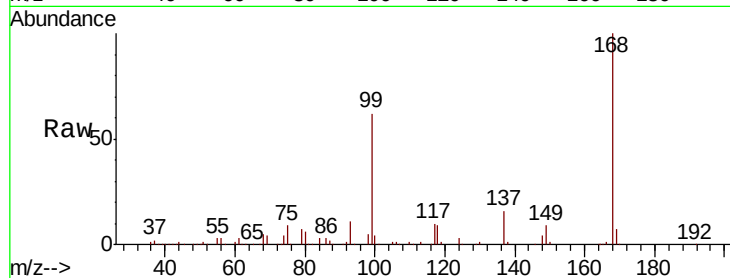
Tgt Ion: 56 Resp: 6841

Ion Ratio Lower Upper

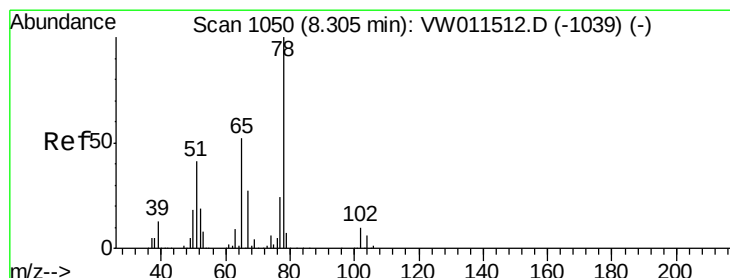
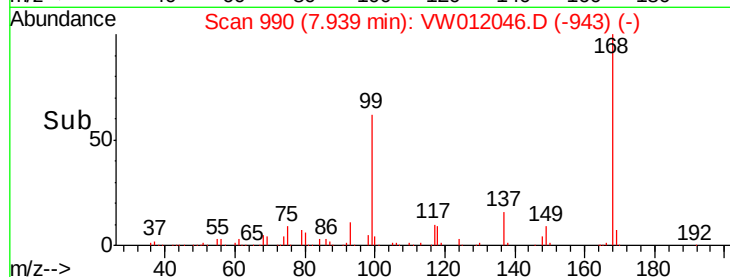
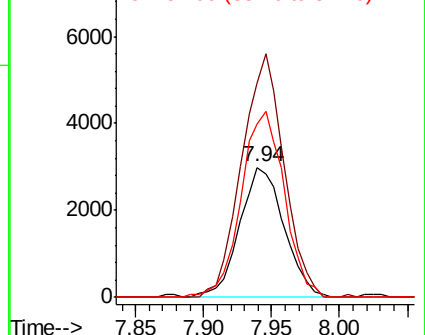
56 100

69 164.8 24.3 36.5#

84 133.4 60.4 90.6#



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: 53.910 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012046.D

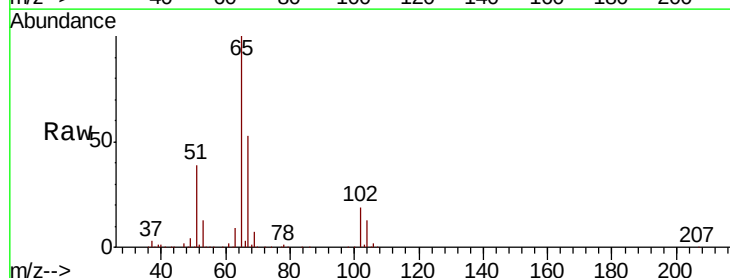
Acq: 20 Aug 2019 22:39

Tgt Ion: 65 Resp: 175733

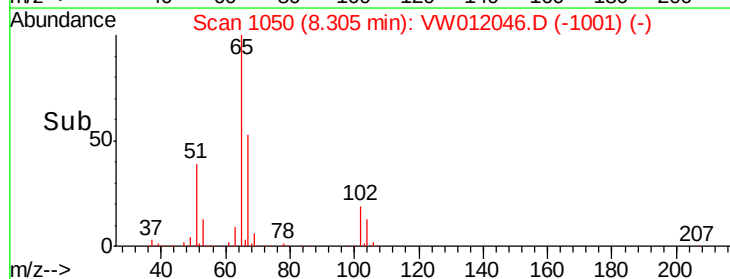
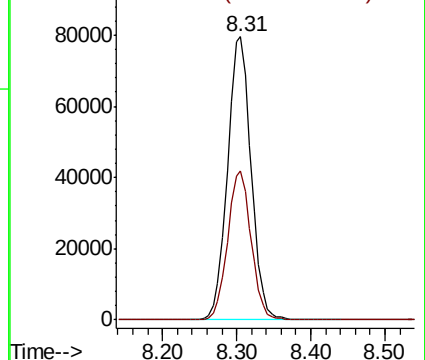
Ion Ratio Lower Upper

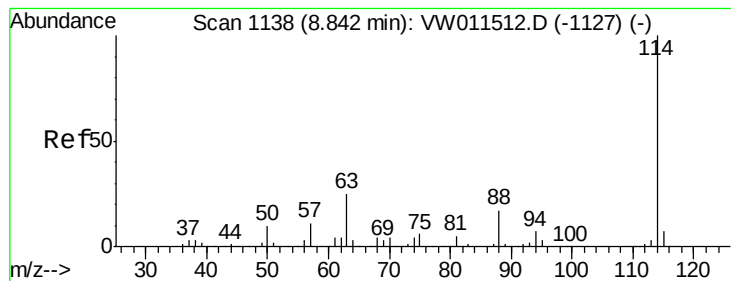
65 100

67 52.4 0.0 105.2



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: VW012046.D

Acq: 20 Aug 2019 22:39

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(0)

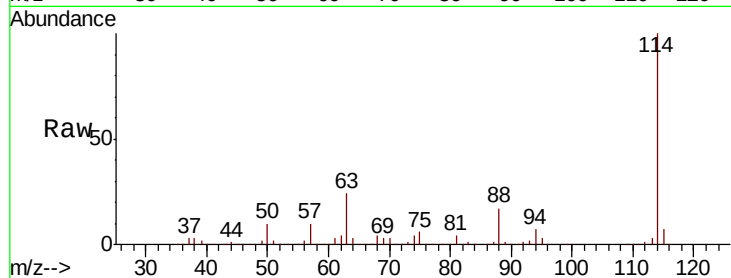
Tgt Ion:114 Resp: 470767

Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.2

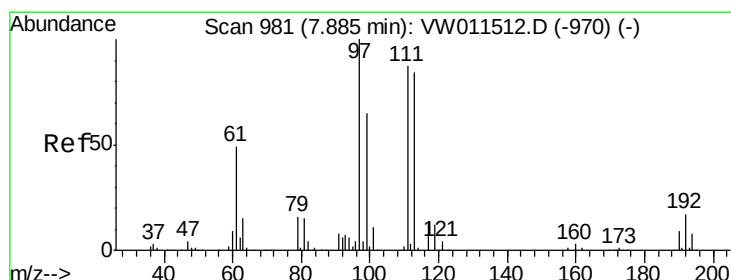
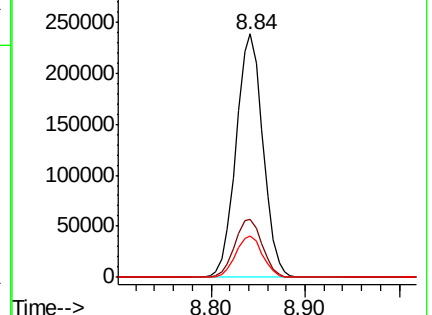
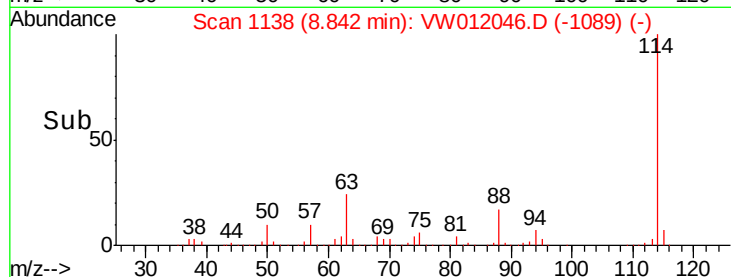
88 16.8 0.0 33.8



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: 53.611 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012046.D

Acq: 20 Aug 2019 22:39

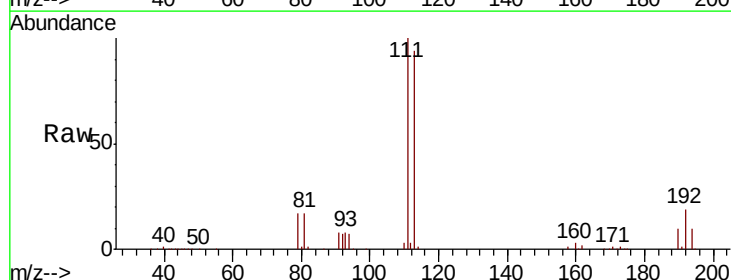
Tgt Ion:113 Resp: 141591

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

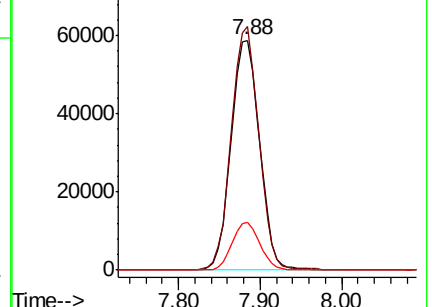
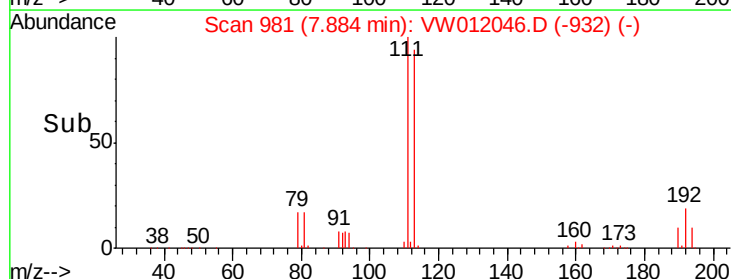
192 20.2 16.1 24.1

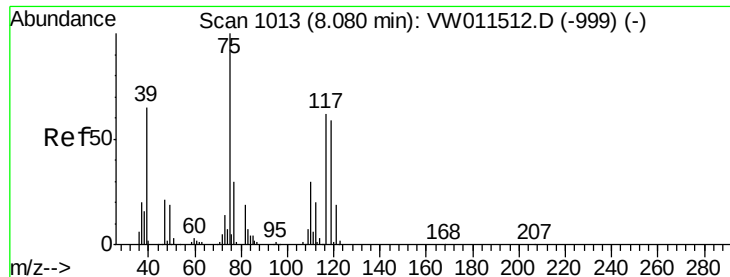


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

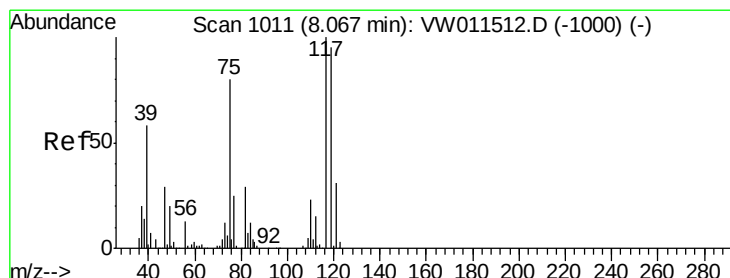
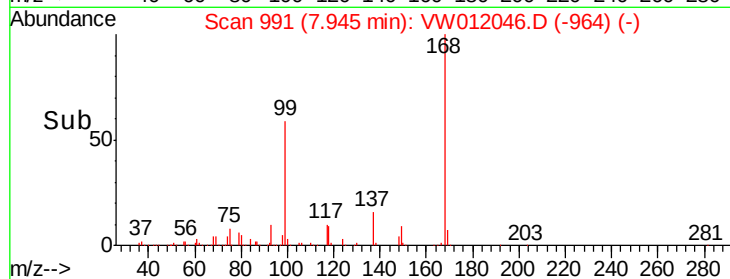
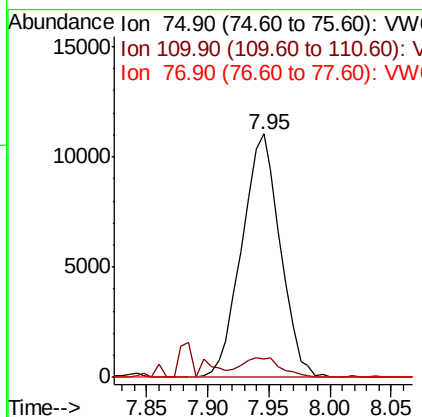
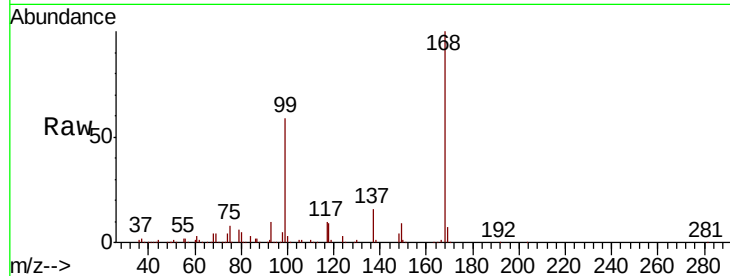




#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012046.D
 Acq: 20 Aug 2019 22:39

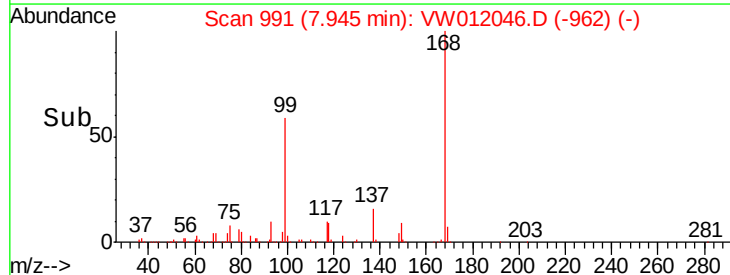
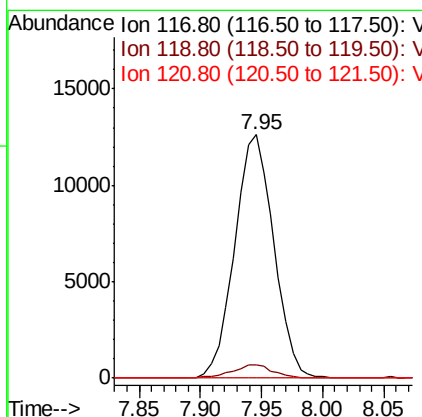
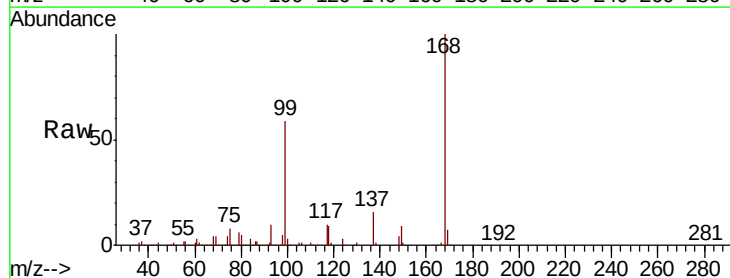
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(0)

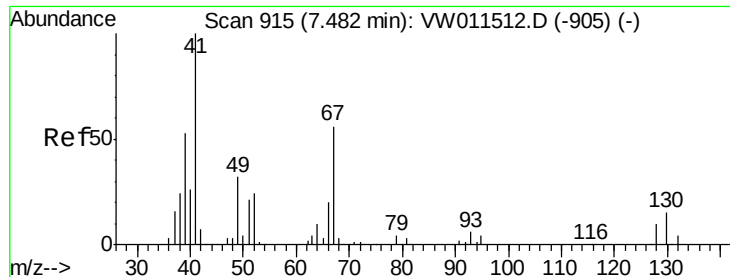
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.660 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012046.D
 Acq: 20 Aug 2019 22:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.6#
121	0.0	24.7	37.1#

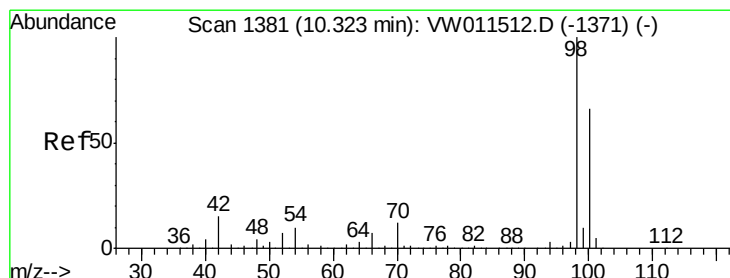
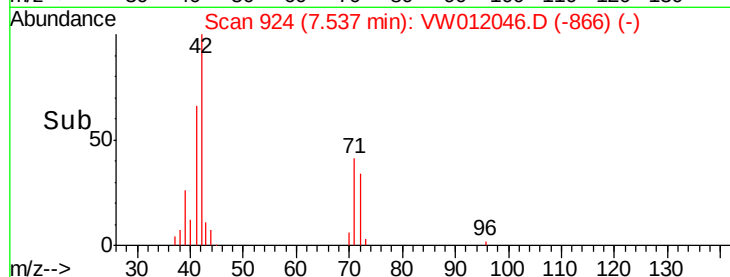
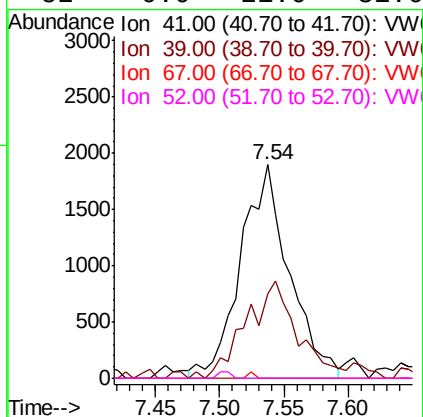
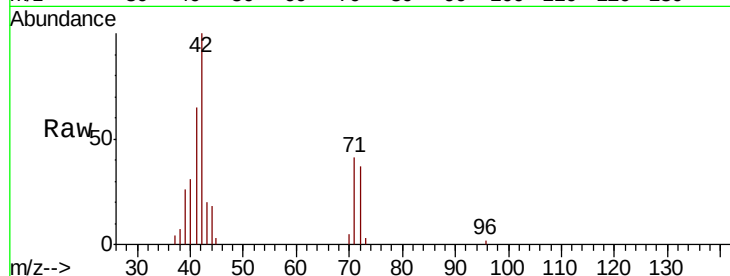




#41
Methacrylonitrile
Concen: 2.959 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

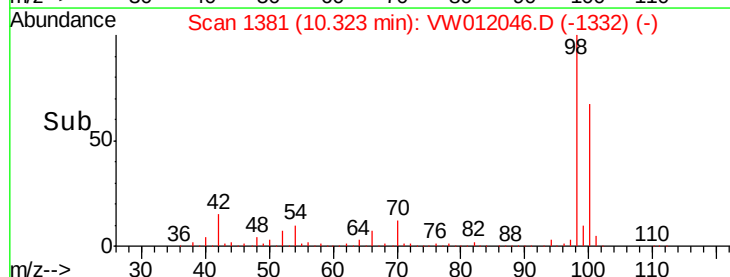
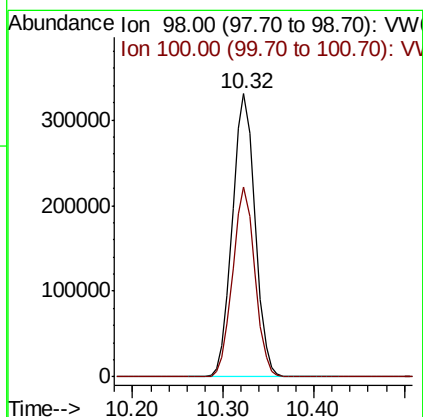
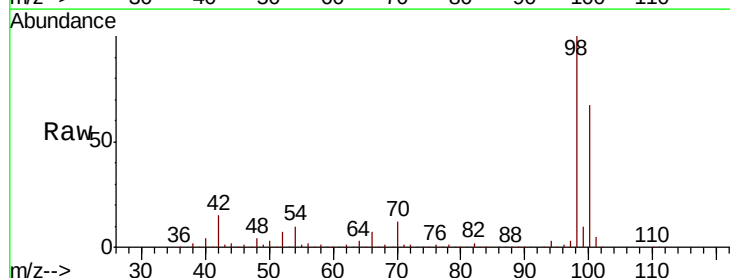
Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(0)

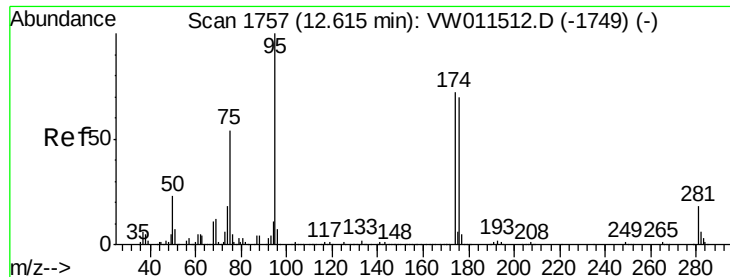
Tgt Ion:	41	Resp:	4981
Ion	Ratio	Lower	Upper
41	100		
39	48.3	43.0	64.4
67	0.4	47.5	71.3#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 53.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Tgt Ion:	98	Resp:	576378
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 43.353 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012046.D

Acq: 20 Aug 2019 22:39

Instrument :

MSVOA_W

ClientSampled :

T4-A2-(0)

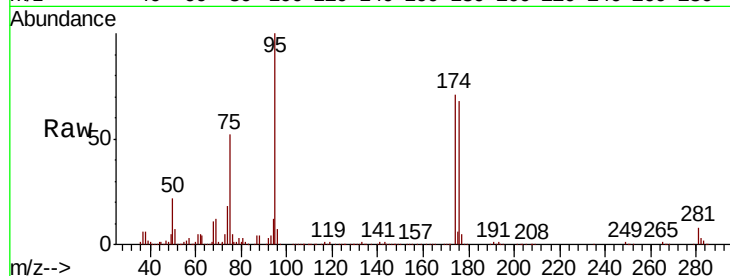
Tgt Ion: 95 Resp: 167132

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

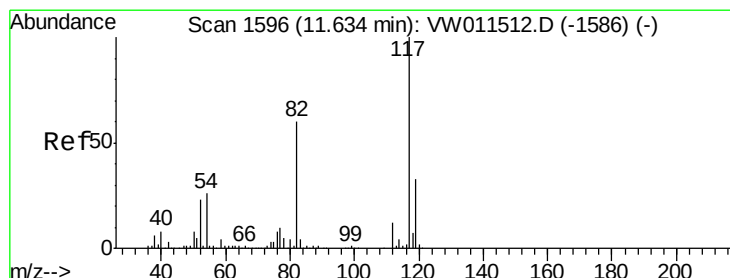
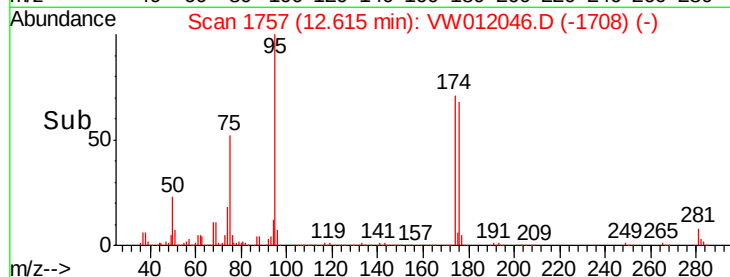
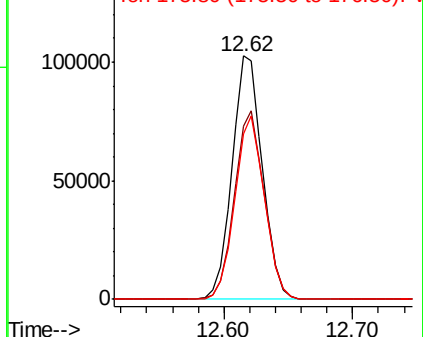
176 73.8 0.0 144.4



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# 1596

Delta R.T. -0.00 min

Lab File: VW012046.D

Acq: 20 Aug 2019 22:39

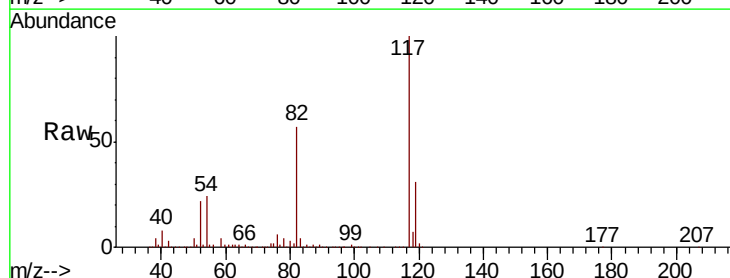
Tgt Ion: 117 Resp: 380126

Ion Ratio Lower Upper

117 100

82 56.9 47.9 71.9

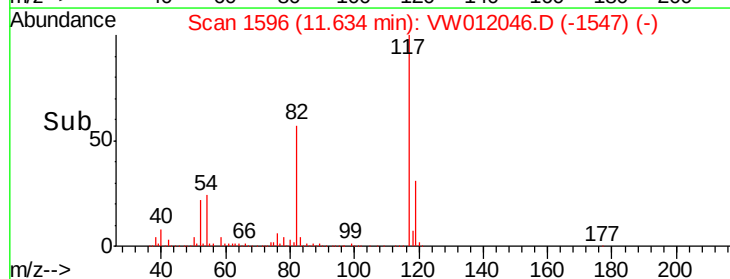
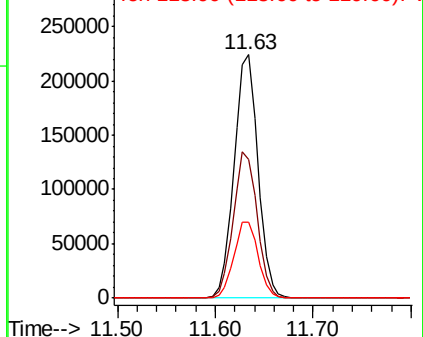
119 31.2 26.2 39.2

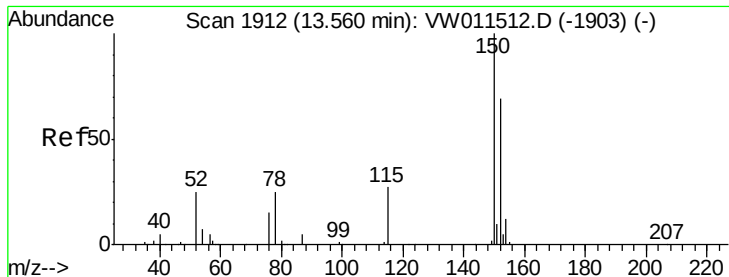


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



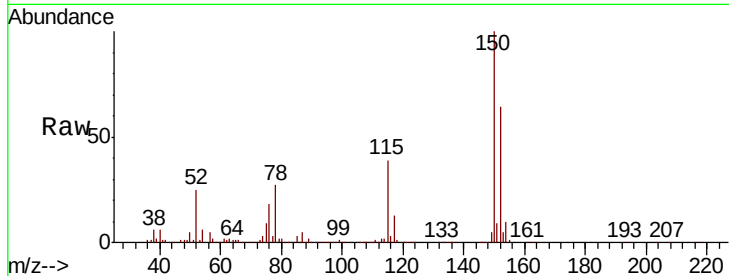


#72

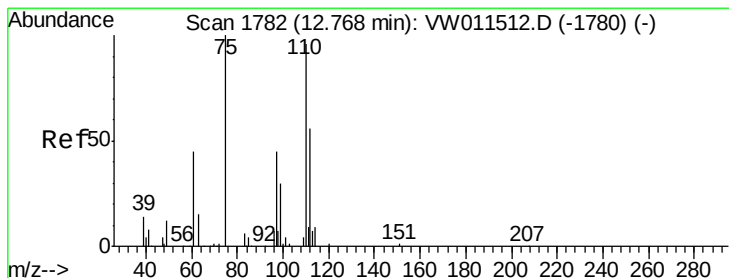
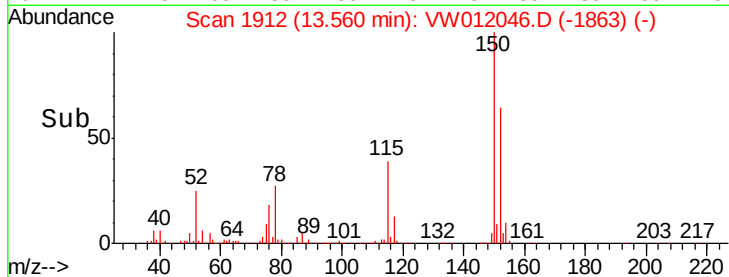
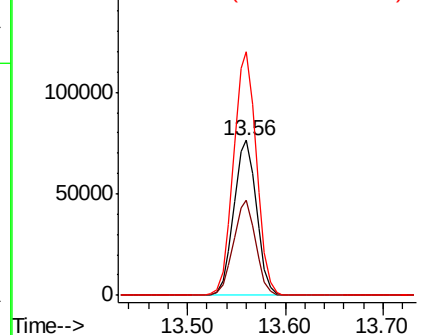
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(0)

Tgt Ion:152 Resp: 122945
Ion Ratio Lower Upper
152 100
115 59.9 30.5 91.5
150 158.1 0.0 352.6



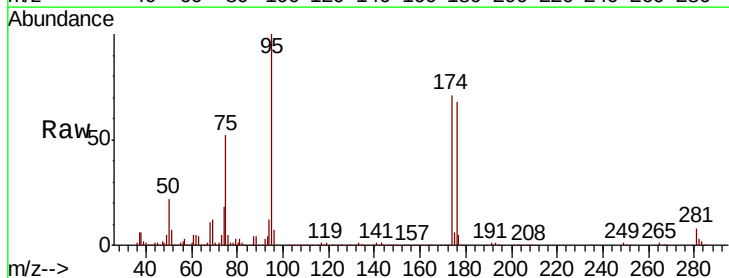
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



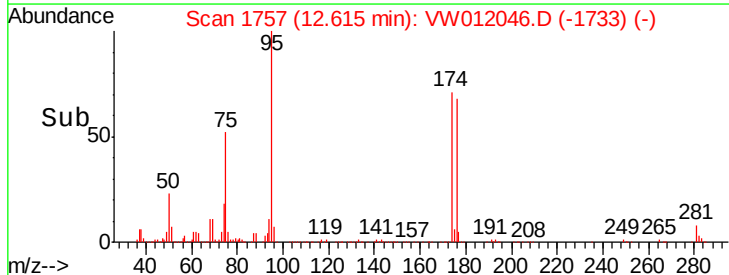
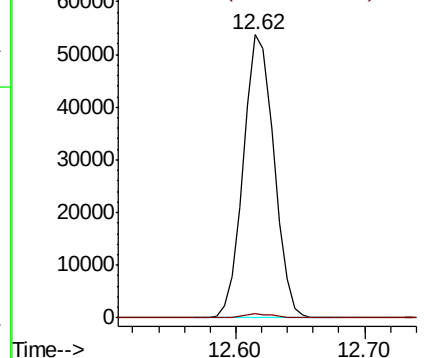
#76

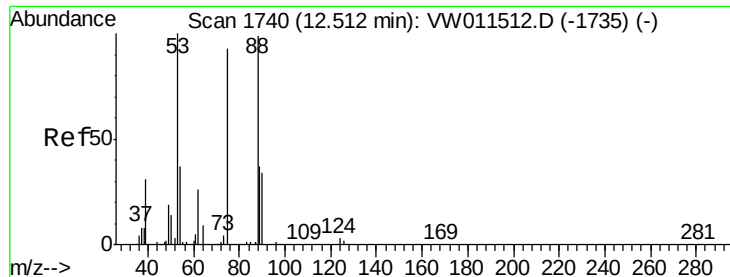
1,2,3-Trichloropropane
Concen: 67.871 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Tgt Ion: 75 Resp: 88293
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

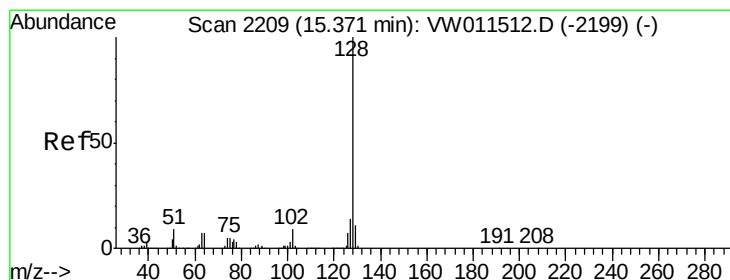
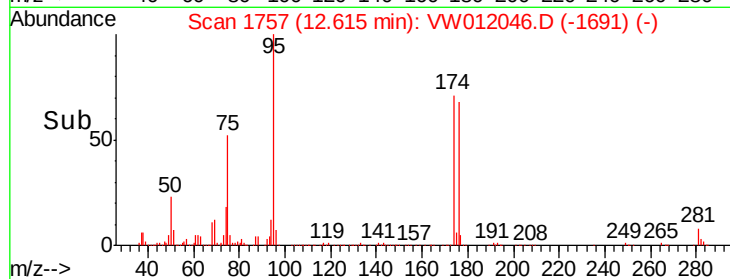
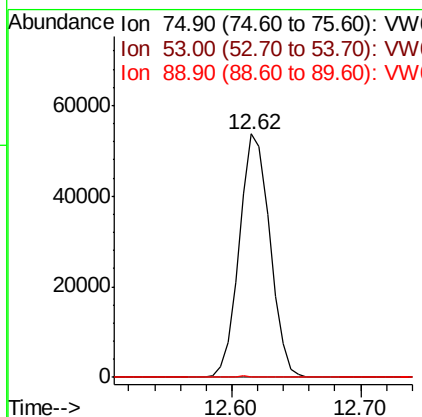
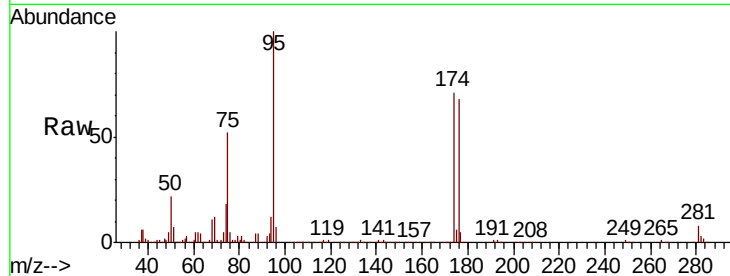




#81
trans-1,4-Dichloro-2-butene
Concen: 156.419 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(0)

Tgt Ion: 75 Resp: 88293
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 2.239 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012046.D
Acq: 20 Aug 2019 22:39

Tgt Ion: 128 Resp: 874
Ion Ratio Lower Upper
128 100
127 8.9 10.6 16.0#
129 14.9 8.6 13.0#

