

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012064.D
 Acq On : 21 Aug 2019 11:51
 Operator : SY/VA
 Sample : K4387-14RE
 Misc : 4.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)RE

Quant Time: Aug 22 05:14:10 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

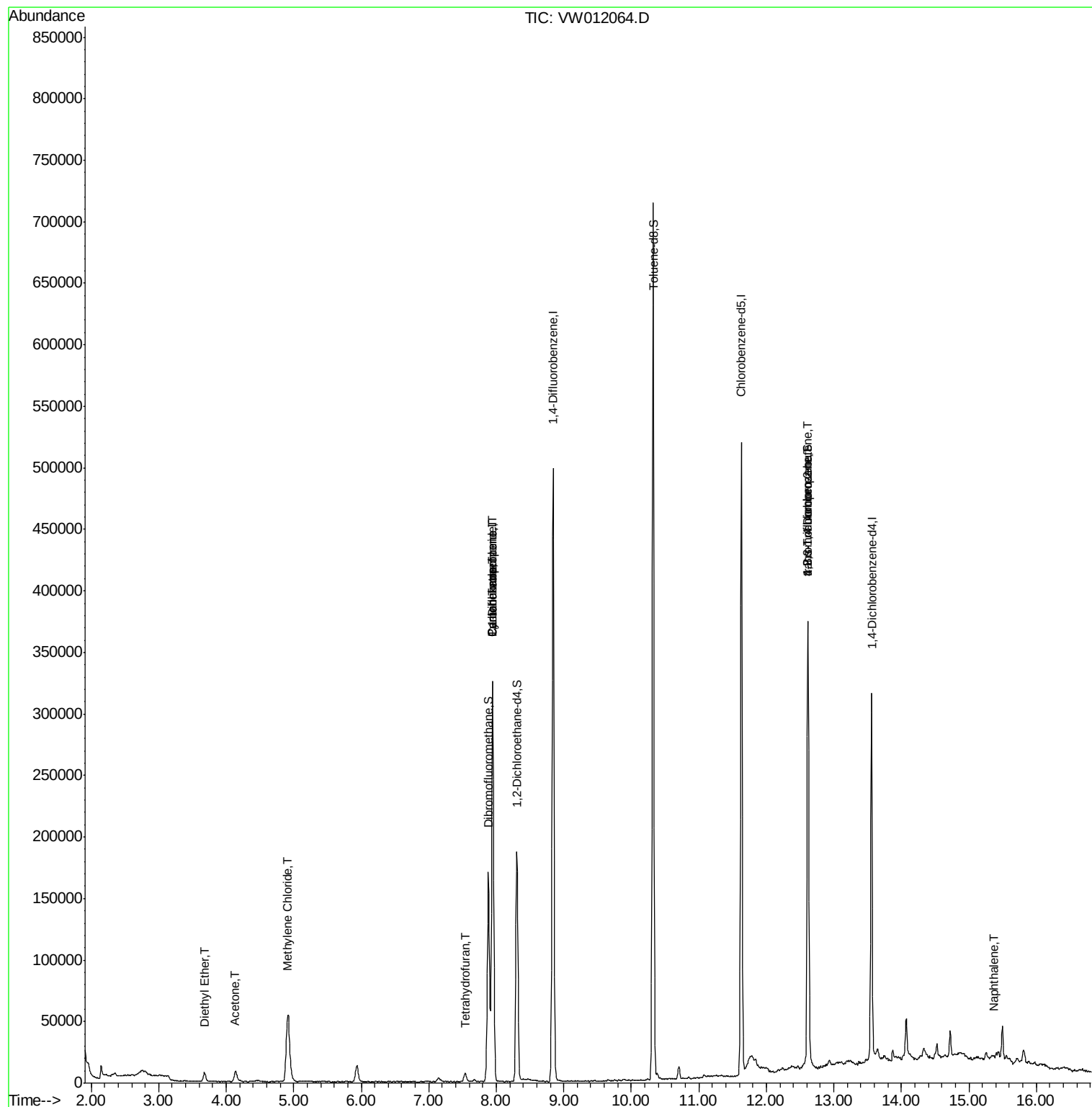
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146338	53.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.28%	
35) Dibromofluoromethane	7.88	113	118698	54.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.40%	
50) Toluene-d8	10.32	98	449834	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.62	95	116033	36.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	3994	2.852	ug/l	92
11) Tert butyl alcohol	5.17	59	165	Below Cal	#	72
16) Acetone	4.14	43	17988	20.728	ug/l	98
20) Methylene Chloride	4.92	84	43050	14.384	ug/l	97
29) Tetrahydrofuran	7.54	42	6994	10.775	ug/l	96
31) Cyclohexane	7.95	56	5724	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19625	4.835	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23671	6.812	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	60783	77.573	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60783	178.780	ug/l #	7
95) Naphthalene	15.37	128	1227	2.468	ug/l #	86

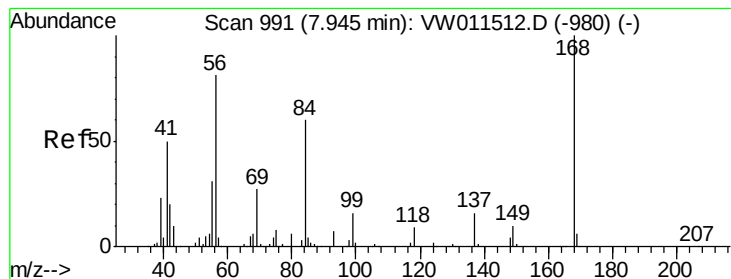
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012064.D
Acq On : 21 Aug 2019 11:51
Operator : SY/VA
Sample : K4387-14RE
Misc : 4.70G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-A1-(2)RE

Quant Time: Aug 22 05:14:10 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: VW012064.D

Acq: 21 Aug 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

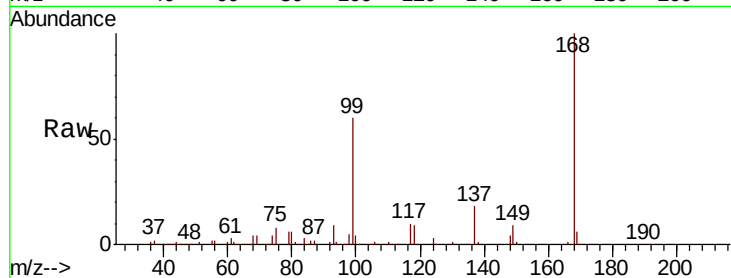
T4-A1-(2)RE

Tgt Ion:168 Resp: 237581

Ion Ratio Lower Upper

168 100

99 59.6 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

120000

100000

80000

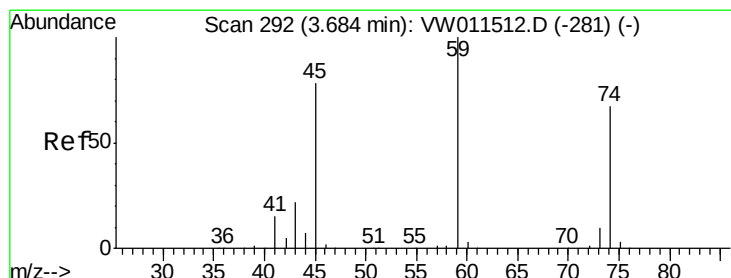
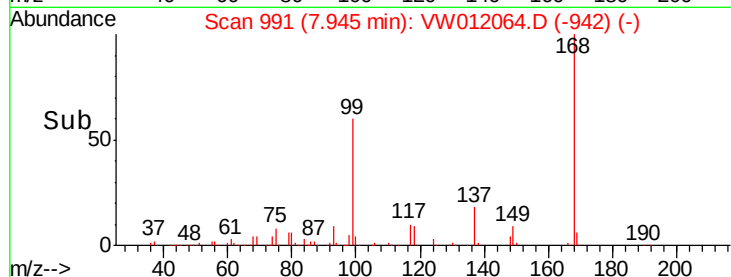
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.852 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012064.D

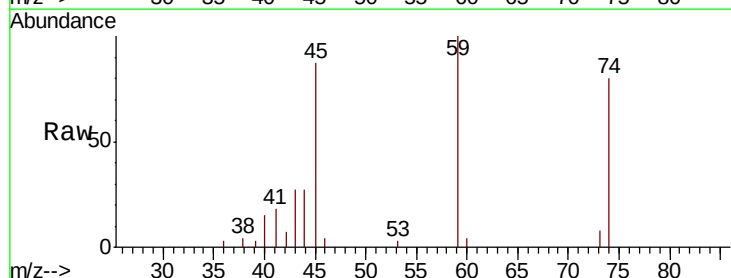
Acq: 21 Aug 2019 11:51

Tgt Ion: 74 Resp: 3994

Ion Ratio Lower Upper

74 100

45 128.5 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

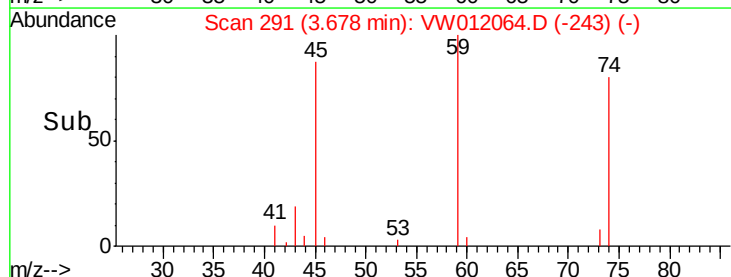
1500

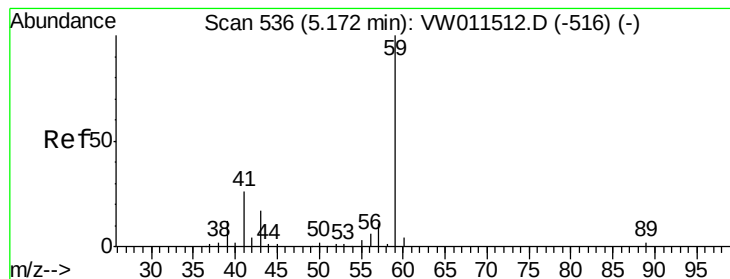
1000

500

0

Time--> 3.60 3.65 3.70 3.75



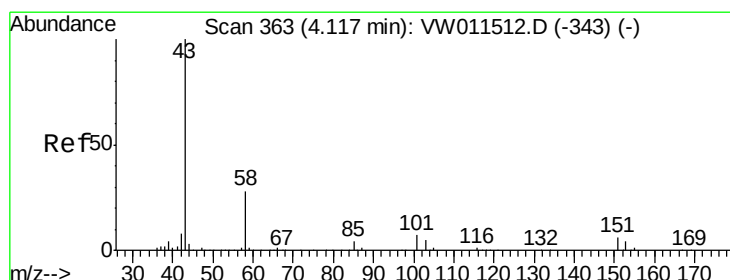
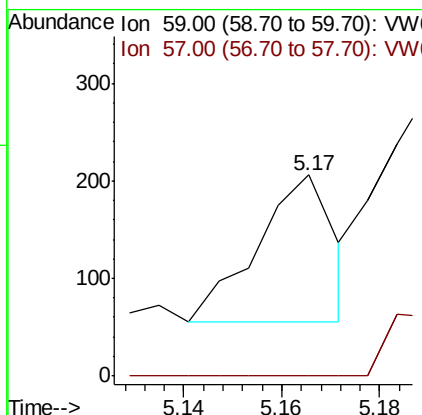
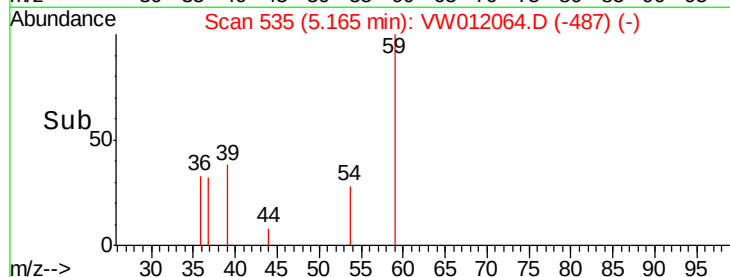
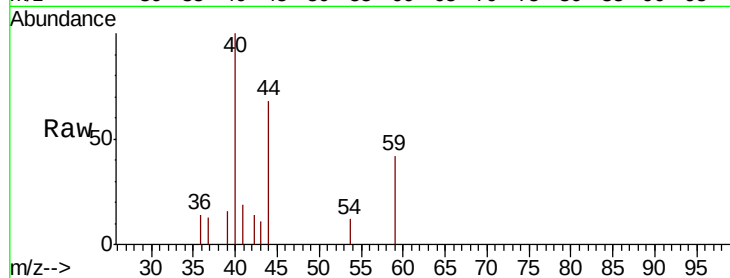


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

Instrument :
MSVOA_W
ClientSampled :
T4-A1-(2)RE

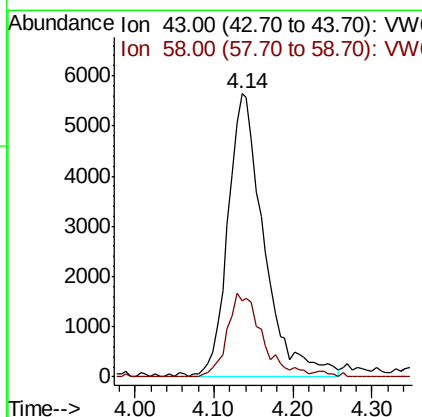
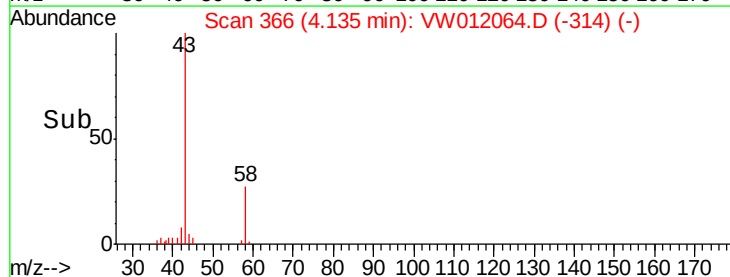
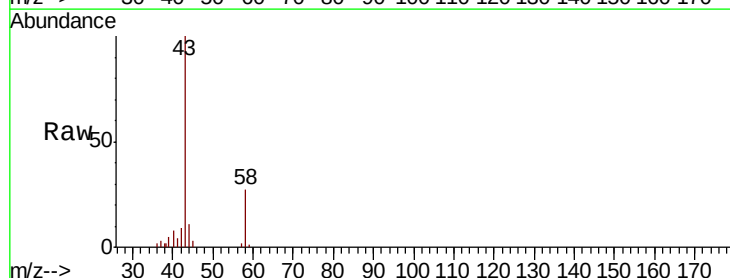
Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

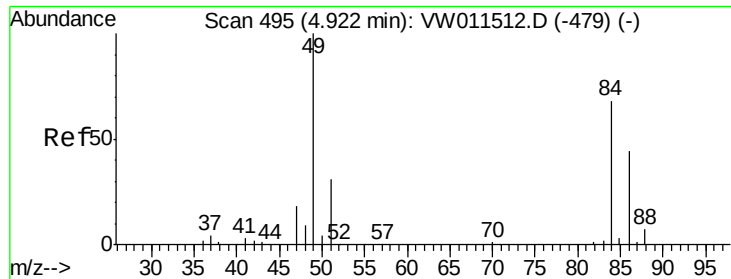


#16

Acetone
Concen: 20.728 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

Tgt Ion: 43 Resp: 17988
Ion Ratio Lower Upper
43 100
58 26.8 22.3 33.5

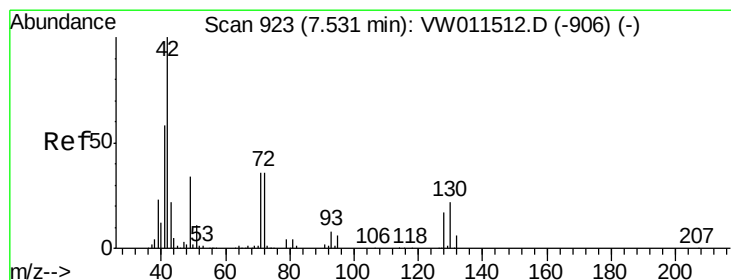
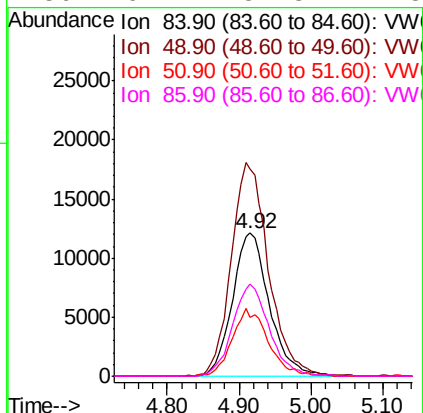
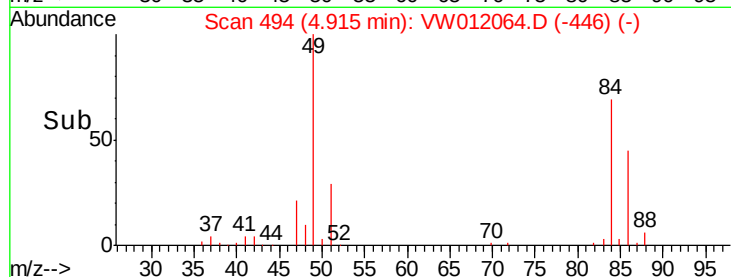
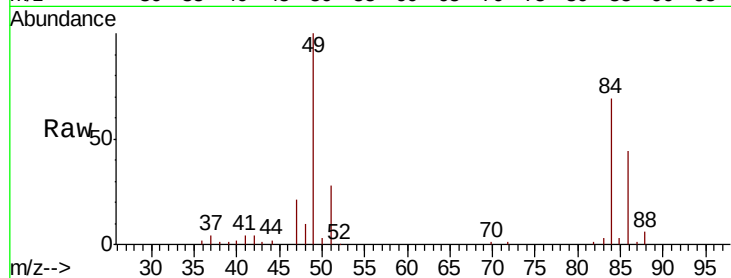




#20
Methylene Chloride
Concen: 14.384 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

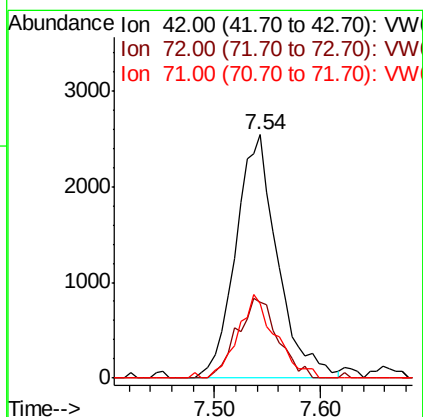
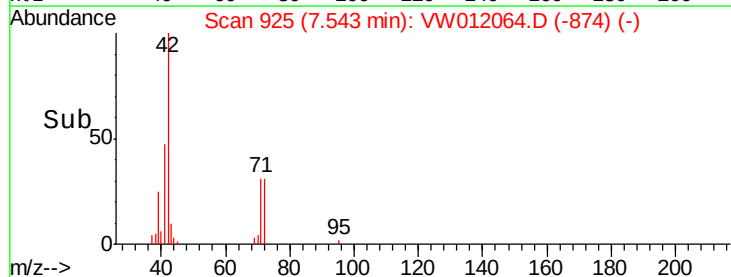
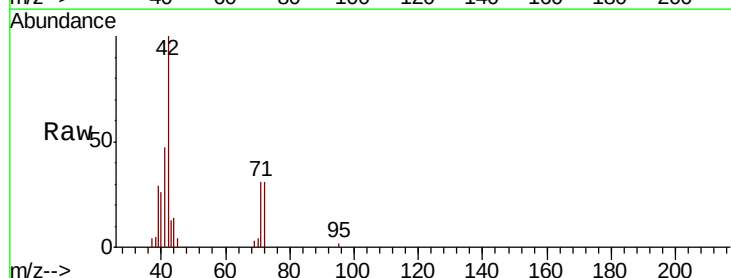
Instrument :
MSVOA_W
ClientSampled :
T4-A1-(2)RE

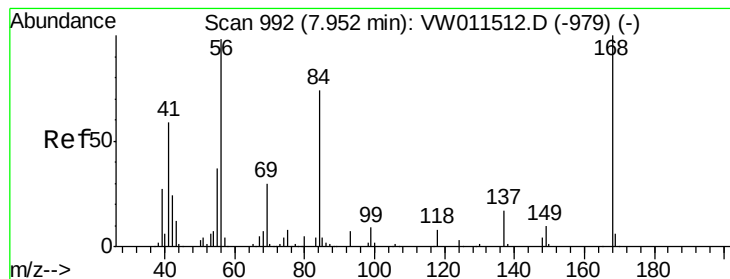
Tgt Ion:	84	Resp:	43050
Ion	Ratio	Lower	Upper
84	100		
49	143.9	117.8	176.6
51	41.2	37.0	55.4
86	64.1	51.8	77.8



#29
Tetrahydrofuran
Concen: 10.775 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

Tgt Ion:	42	Resp:	6994
Ion	Ratio	Lower	Upper
42	100		
72	31.7	27.1	40.7
71	30.9	26.2	39.4





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012064.D

Acq: 21 Aug 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

T4-A1-(2)RE

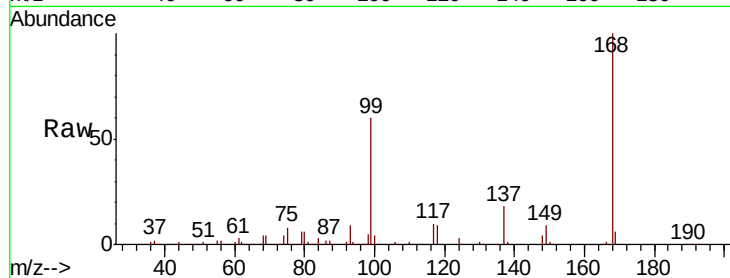
Tgt Ion: 56 Resp: 5724

Ion Ratio Lower Upper

56 100

69 187.1 24.3 36.5#

84 130.1 60.4 90.6#

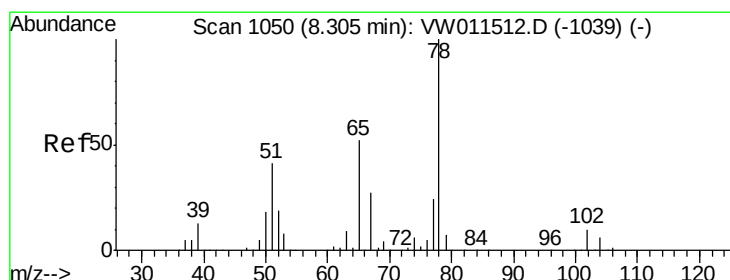
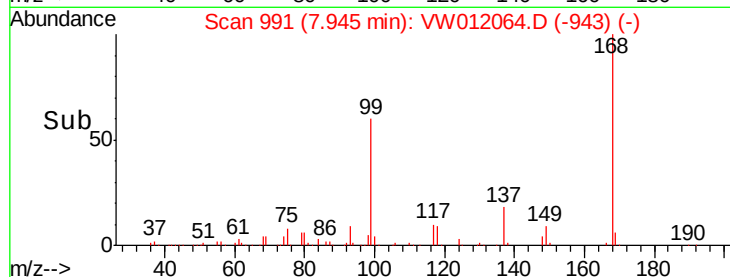
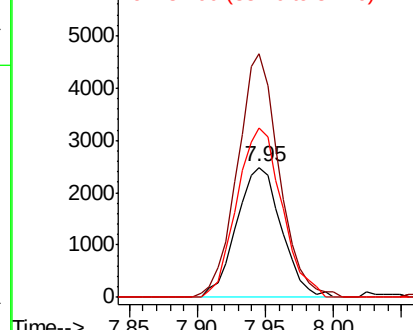


Abundance

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: 53.641 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012064.D

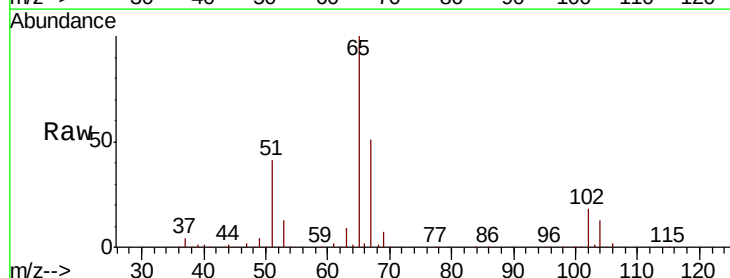
Acq: 21 Aug 2019 11:51

Tgt Ion: 65 Resp: 146338

Ion Ratio Lower Upper

65 100

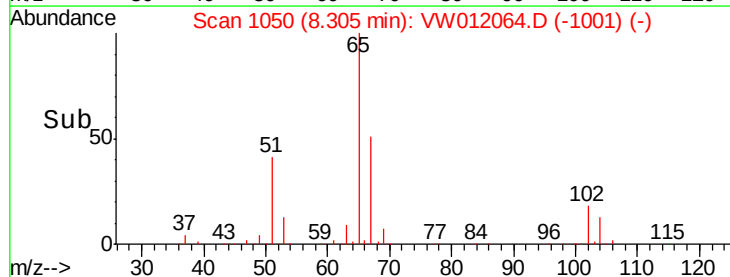
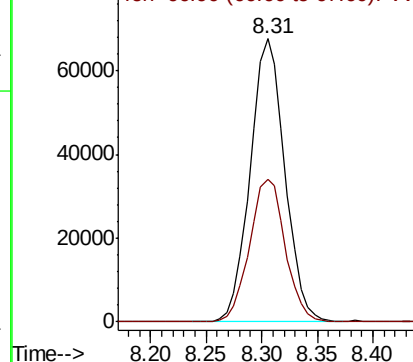
67 52.3 0.0 105.2

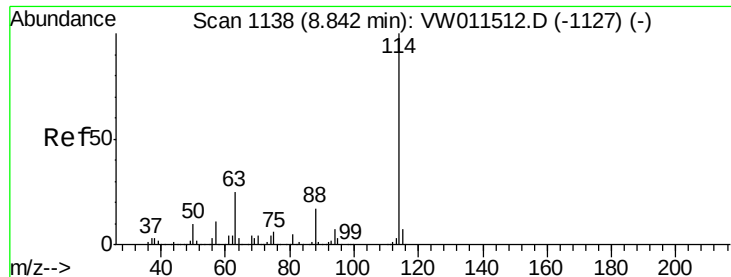


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

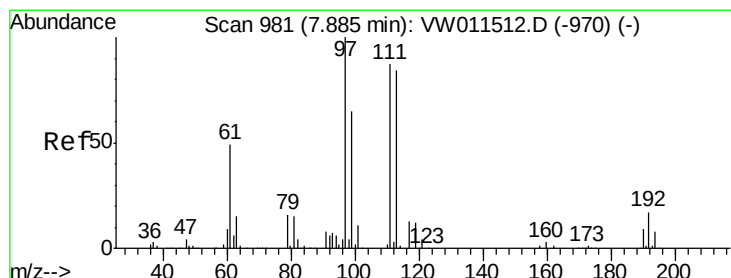
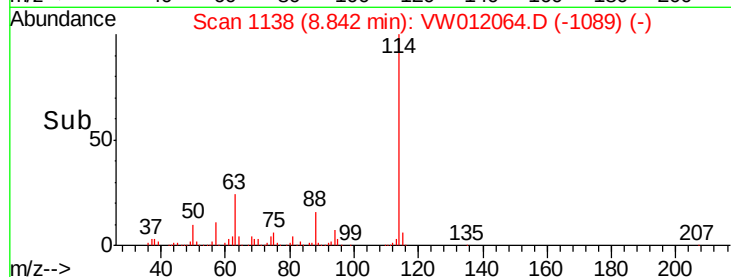
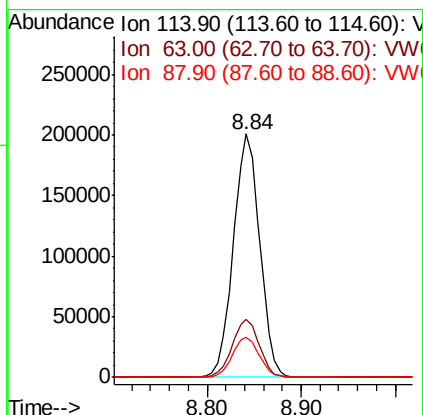
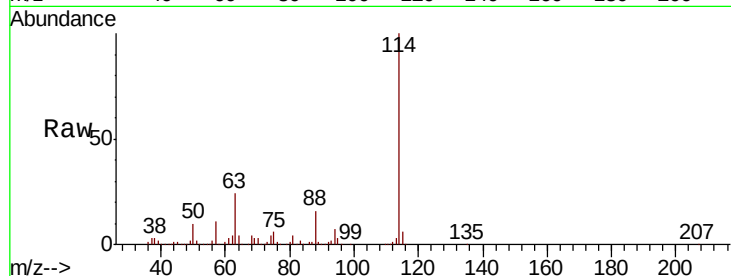




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012064.D
 Acq: 21 Aug 2019 11:51

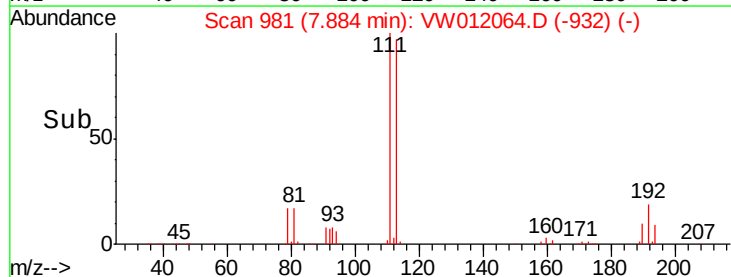
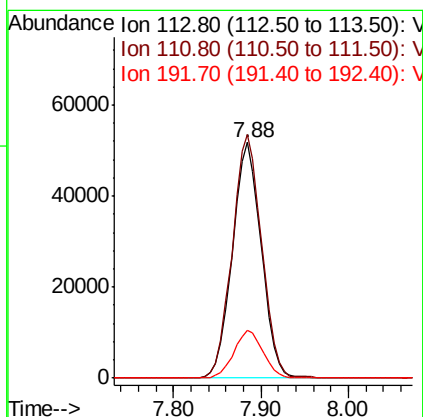
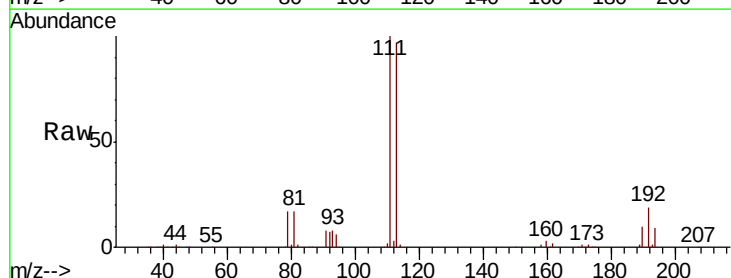
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)RE

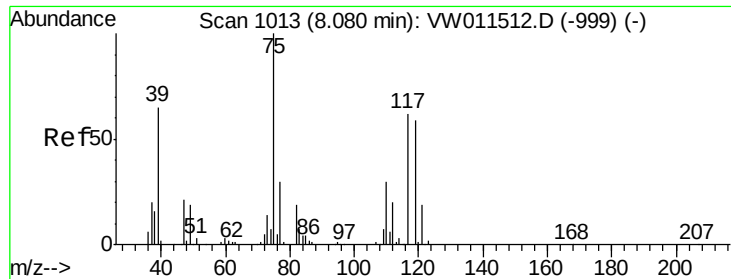
Tgt Ion:114 Resp: 390379
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.4 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.198 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012064.D
 Acq: 21 Aug 2019 11:51

Tgt Ion:113 Resp: 118698
 Ion Ratio Lower Upper
 113 100
 111 105.3 82.7 124.1
 192 20.5 16.1 24.1

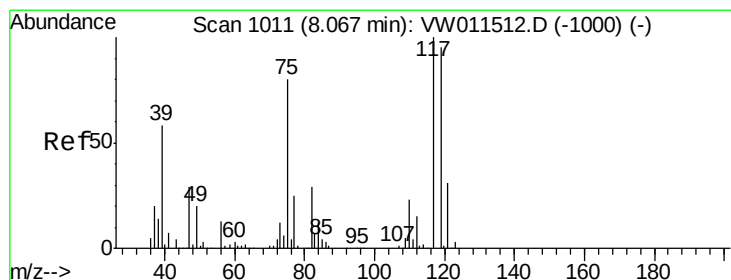
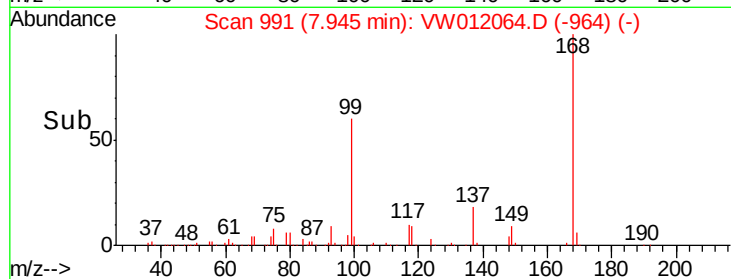
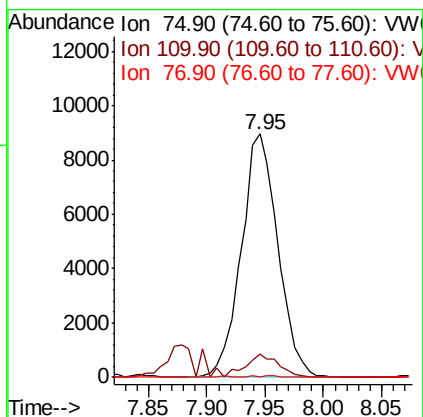
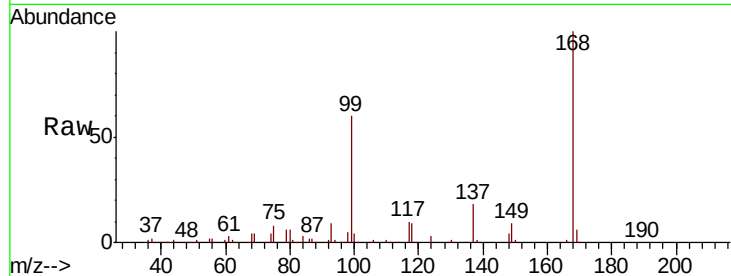




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012064.D
 Acq: 21 Aug 2019 11:51

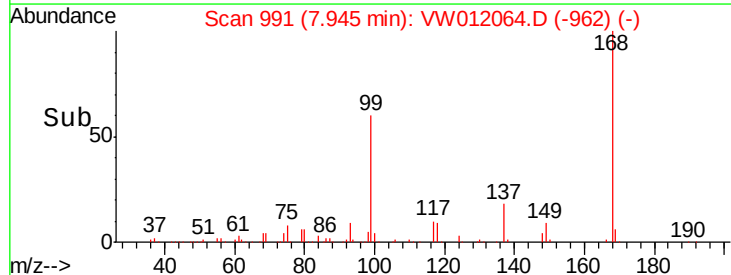
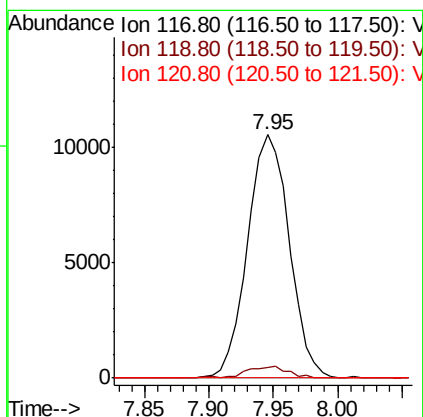
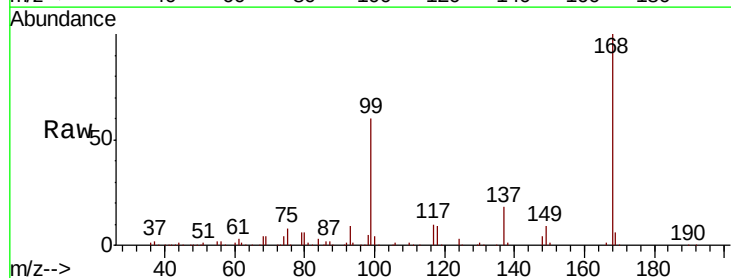
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A1-(2)RE

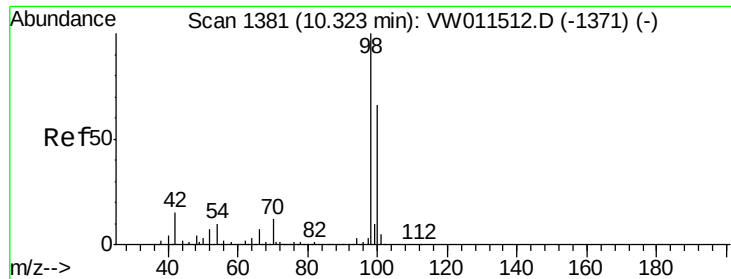
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.4	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.812 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012064.D
 Acq: 21 Aug 2019 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	24.7	37.1#

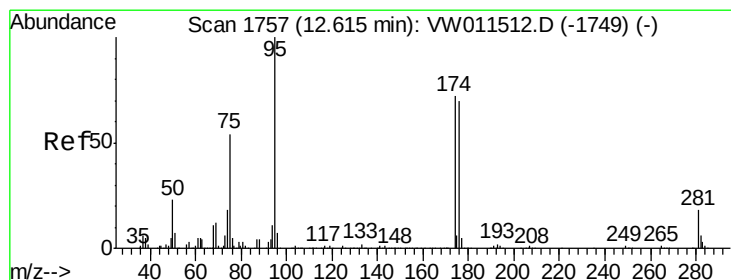
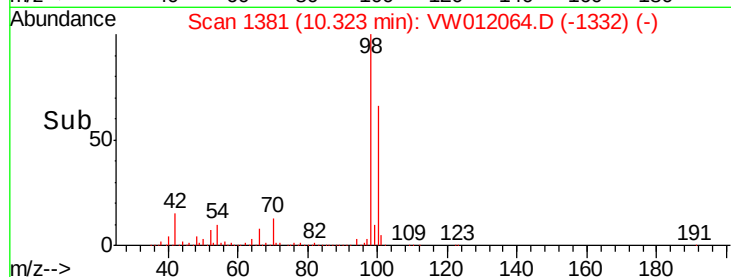
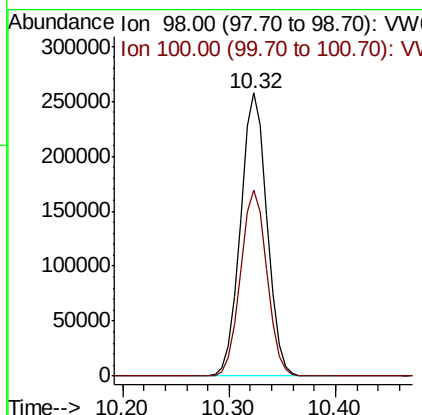
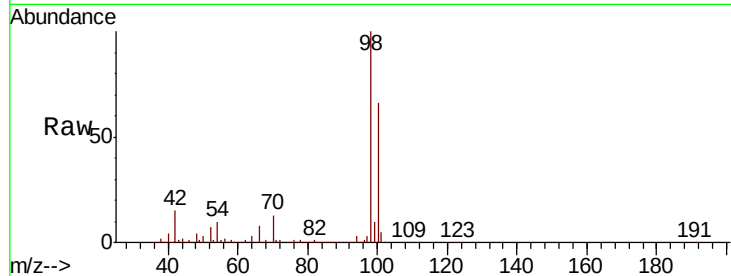




#50
Toluene-d8
Concen: 50.166 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

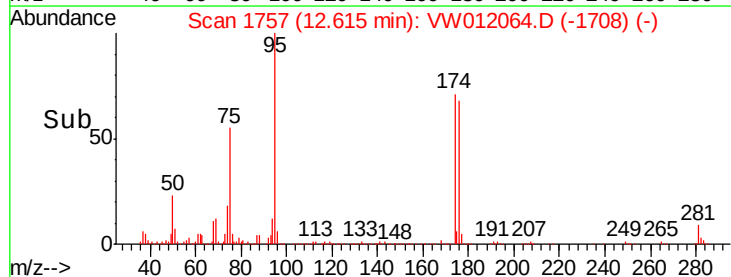
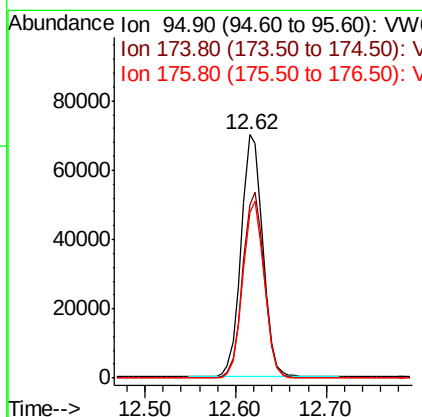
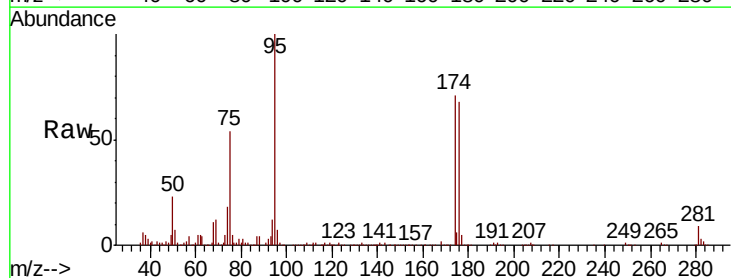
Instrument :
MSVOA_W
ClientSampleId :
T4-A1-(2)RE

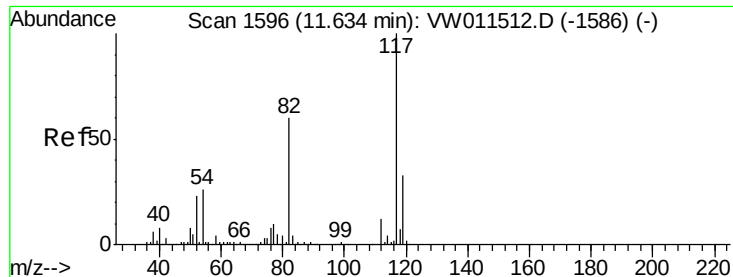
Tgt Ion: 98 Resp: 449834
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 36.296 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

Tgt Ion: 95 Resp: 116033
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 72.0 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: VW012064.D

Acq: 21 Aug 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

T4-A1-(2)RE

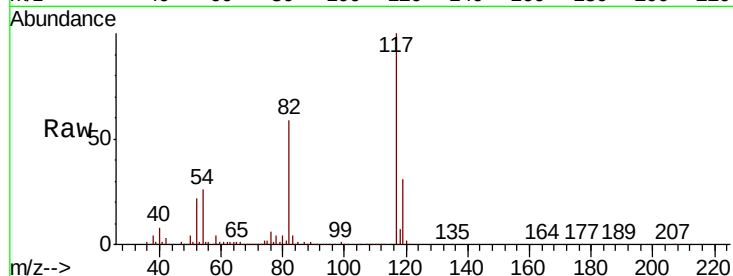
Tgt Ion:117 Resp: 276370

Ion Ratio Lower Upper

117 100

82 59.4 47.9 71.9

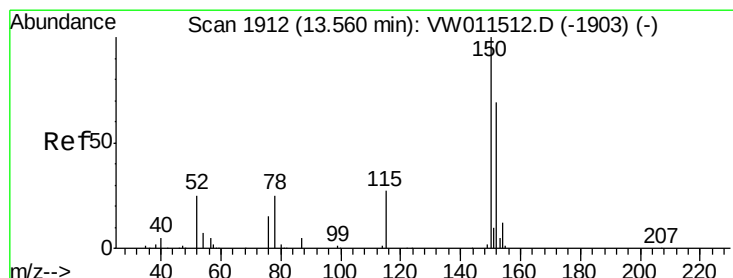
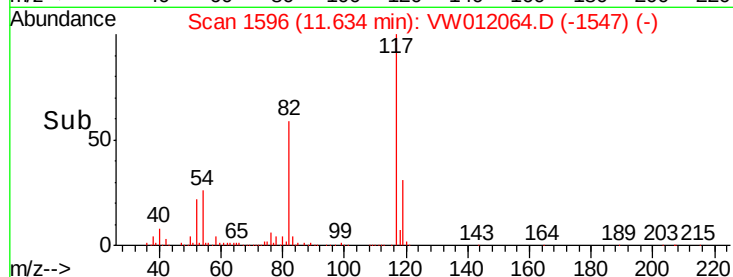
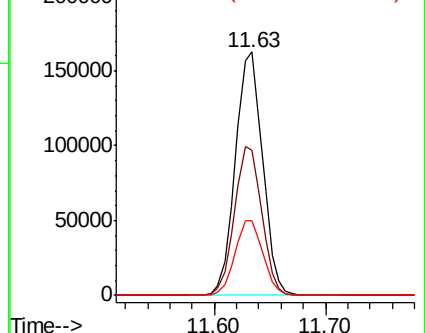
119 30.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012064.D

Acq: 21 Aug 2019 11:51

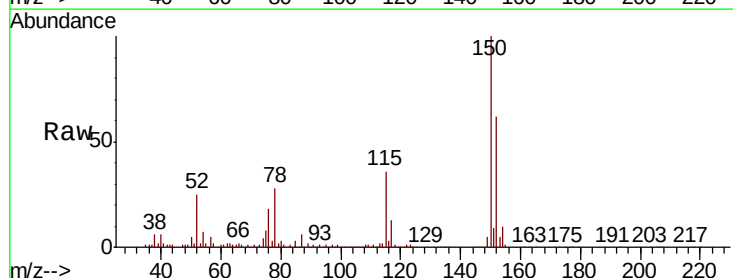
Tgt Ion:152 Resp: 74052

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

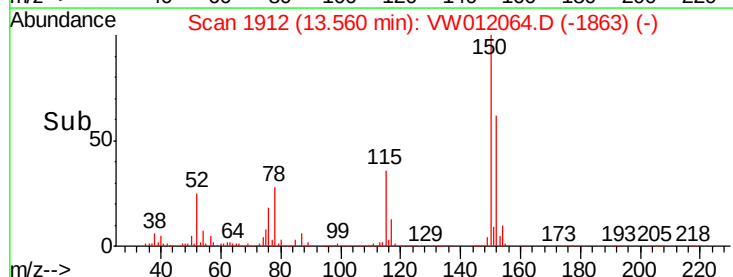
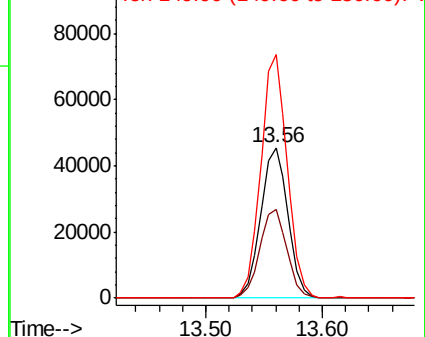
150 157.4 0.0 352.6

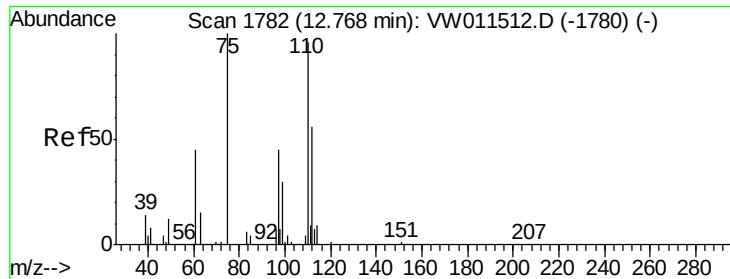


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 77.573 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012064.D

Acq: 21 Aug 2019 11:51

Instrument :

MSVOA_W

ClientSampleId :

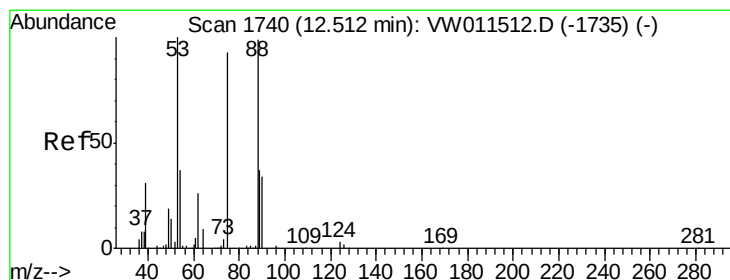
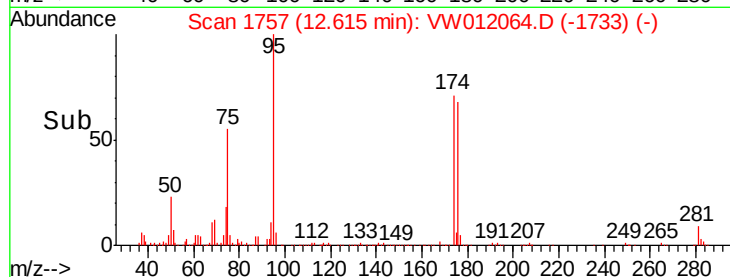
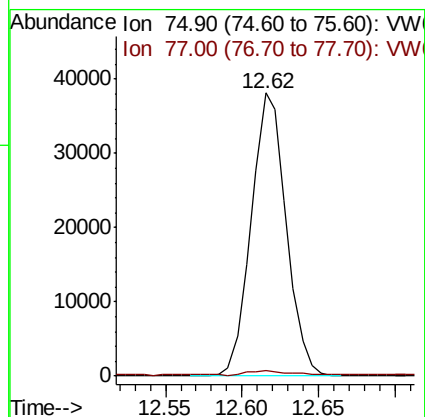
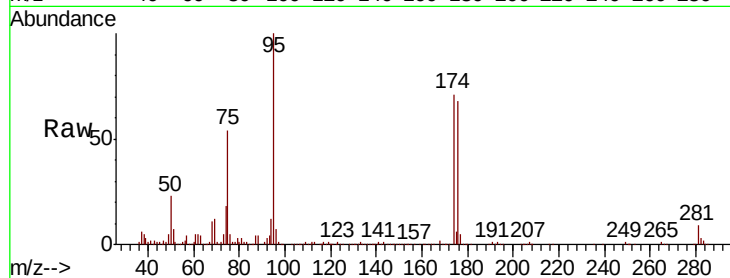
T4-A1-(2)RE

Tgt Ion: 75 Resp: 60783

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012064.D

Acq: 21 Aug 2019 11:51

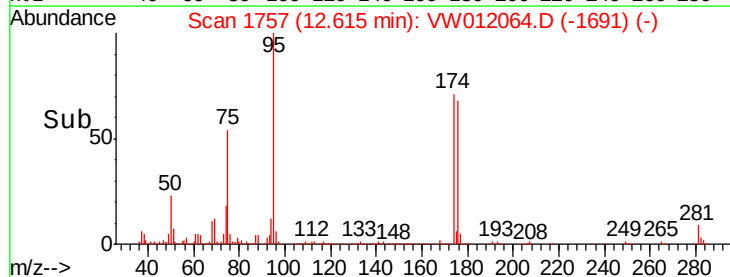
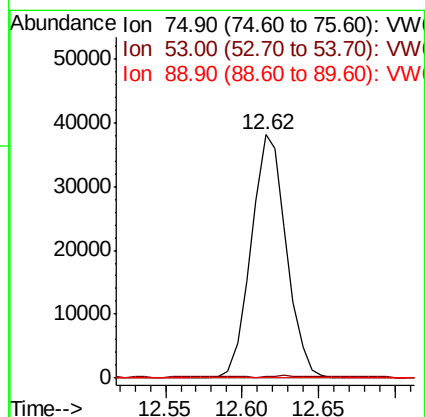
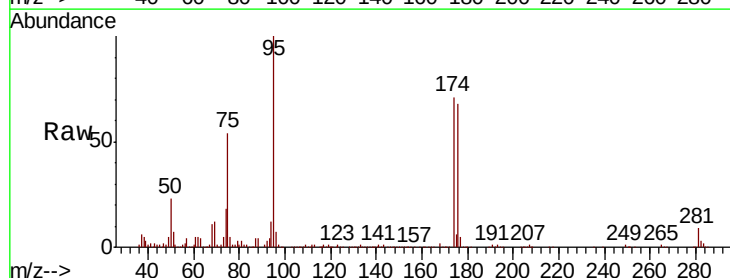
Tgt Ion: 75 Resp: 60783

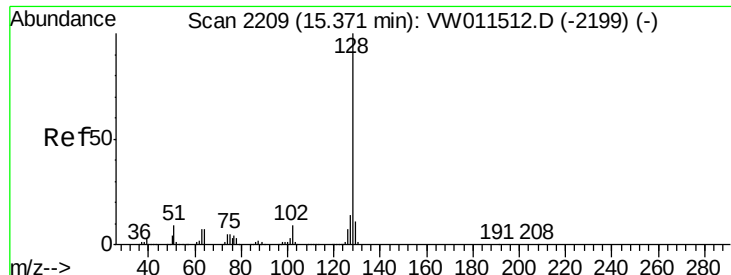
Ion Ratio Lower Upper

75 100

53 0.7 88.0 132.0#

89 0.0 35.3 52.9#

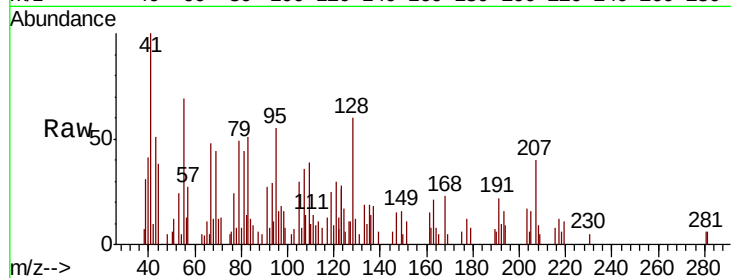




#95
Naphthalene
Concen: 2.468 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012064.D
Acq: 21 Aug 2019 11:51

Instrument :
MSVOA_W
ClientSampleId :
T4-A1-(2)RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.9	10.6	16.0#
129	15.2	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

