

Data File : VW012703.D
Acq On : 06 Sep 2019 21:15
Operator : SY/VA
Sample : K4581-16
Misc : 4.53G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(3.5)

Quant Time: Sep 07 04:43:24 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	238214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138372	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.88	113	108338	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.32	98	424235	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.62	95	121710	38.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.78%	

Target Compounds

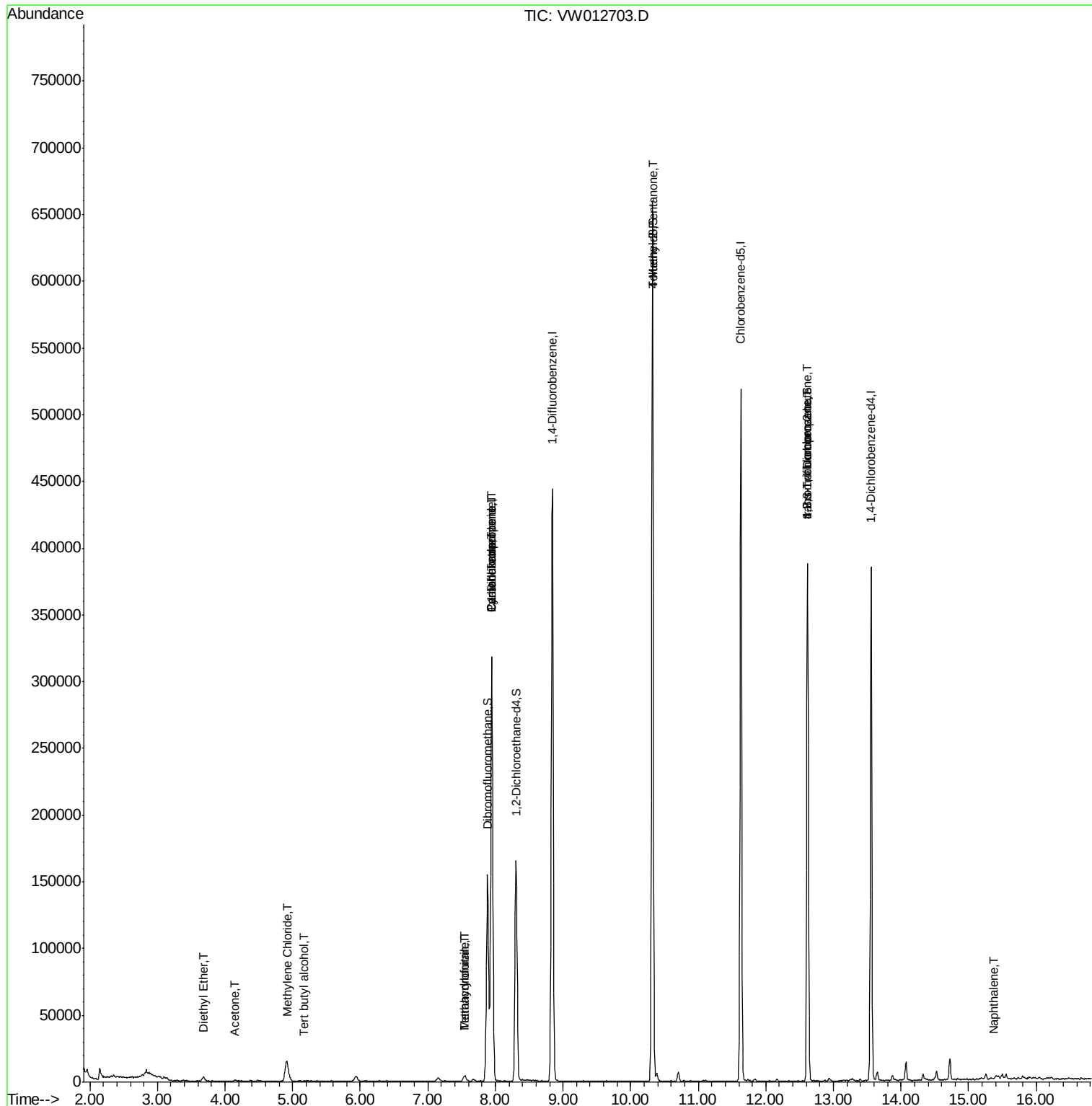
						Qvalue
8) Diethyl Ether	3.67	74	1804	1.361	ug/l	95
11) Tert butyl alcohol	5.18	59	241	1.414	ug/l #	71
16) Acetone	4.14	43	1141	1.576	ug/l #	47
20) Methylene Chloride	4.92	84	11925	4.358	ug/l	88
29) Tetrahydrofuran	7.54	42	3765	6.380	ug/l	91
31) Cyclohexane	7.94	56	5261	1.031	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18176	4.795	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23967	7.305	ug/l #	17
41) Methacrylonitrile	7.54	41	2304	1.887	ug/l #	56
51) 4-Methyl-2-Pentanone	10.32	43	2220	1.134	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65523	66.304	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65523	145.375	ug/l #	6
95) Naphthalene	15.37	128	421	4.422	ug/l #	69

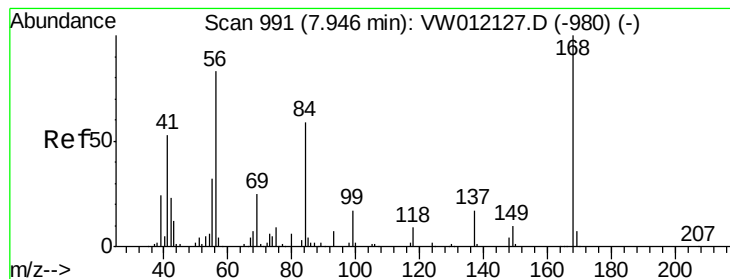
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012703.D
Acq On : 06 Sep 2019 21:15
Operator : SY/VA
Sample : K4581-16
Misc : 4.53G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(3.5)

Quant Time: Sep 07 04:43:24 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

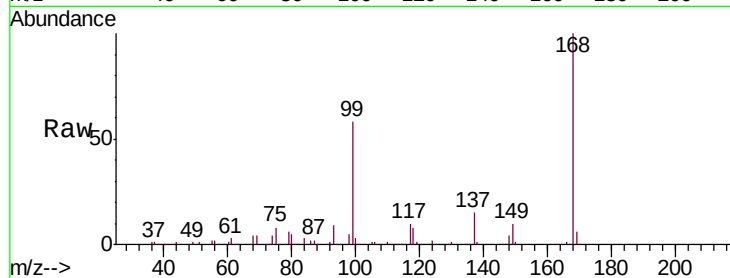
T12-D1-(3.5)

Tgt Ion:168 Resp: 238214

Ion Ratio Lower Upper

168 100

99 57.6 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

120000

100000

80000

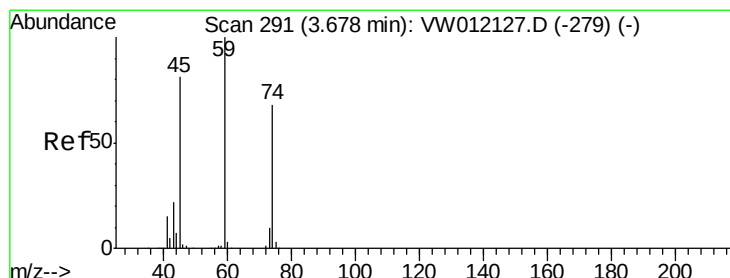
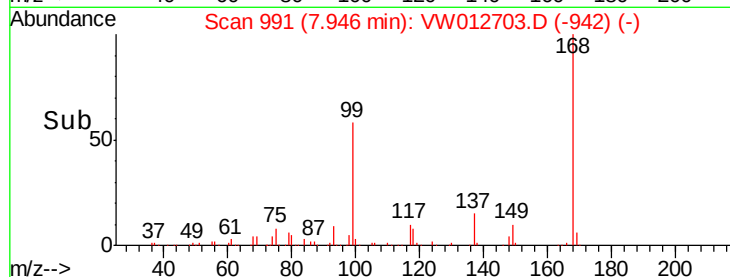
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.361 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012703.D

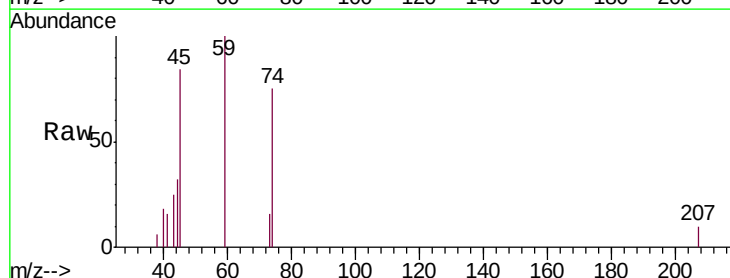
Acq: 06 Sep 2019 21:15

Tgt Ion: 74 Resp: 1804

Ion Ratio Lower Upper

74 100

45 123.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

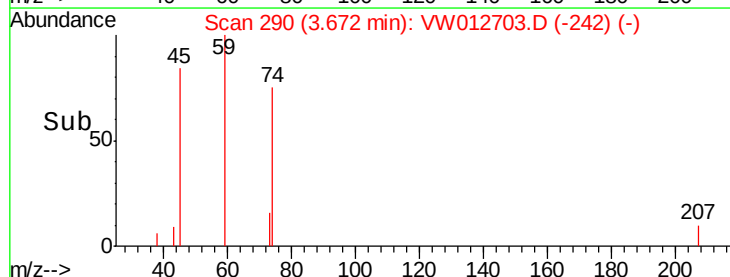
600

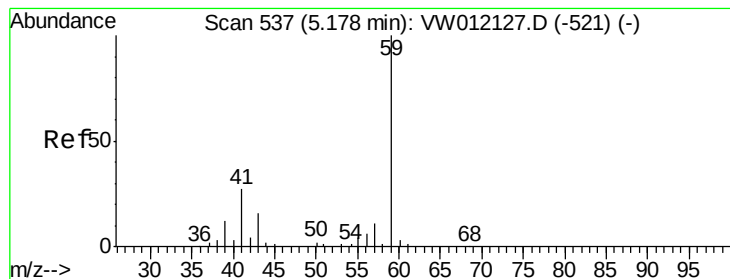
400

200

0

Time--> 3.60 3.65 3.70 3.75



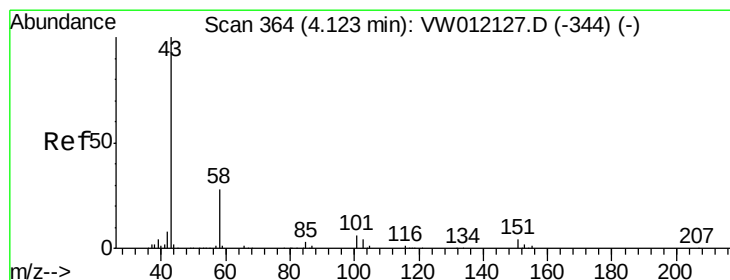
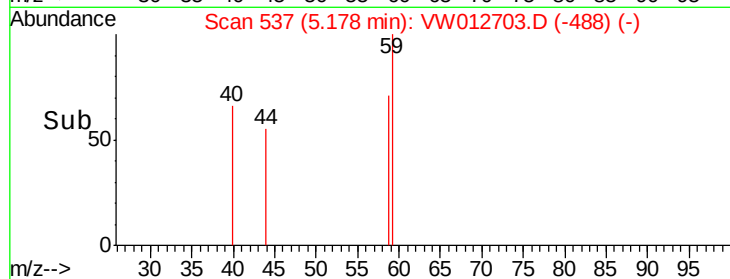
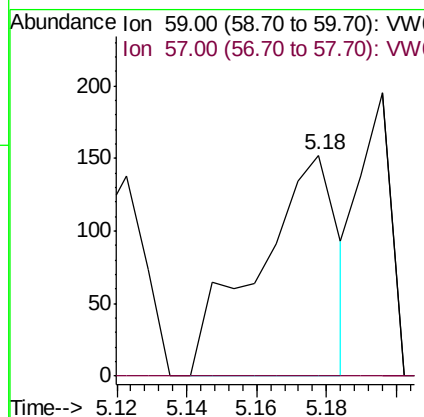
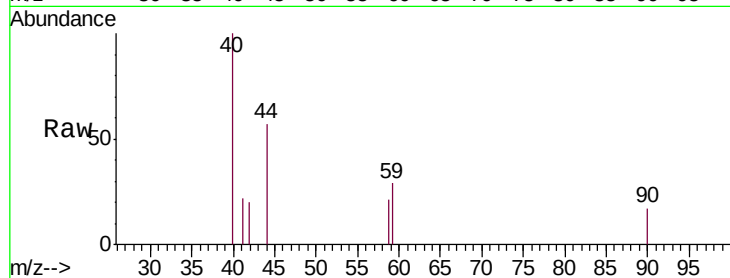


#11

Tert butyl alcohol
 Concen: 1.414 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Instrument :
 MSVOA_W
 ClientSampled :
 T12-D1-(3.5)

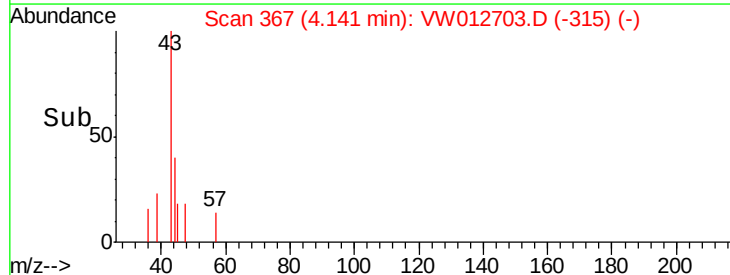
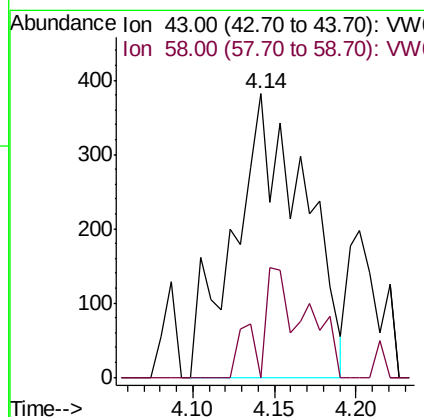
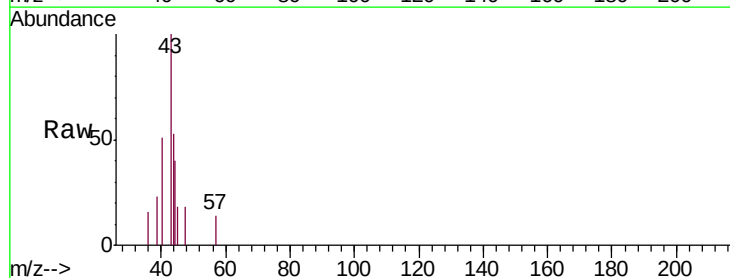
Tgt Ion: 59 Resp: 241
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

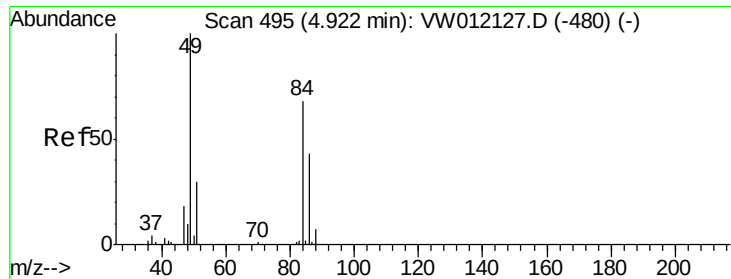


#16

Acetone
 Concen: 1.576 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Tgt Ion: 43 Resp: 1141
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.4 33.6#

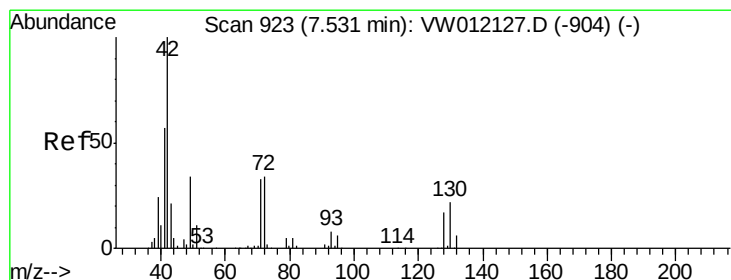
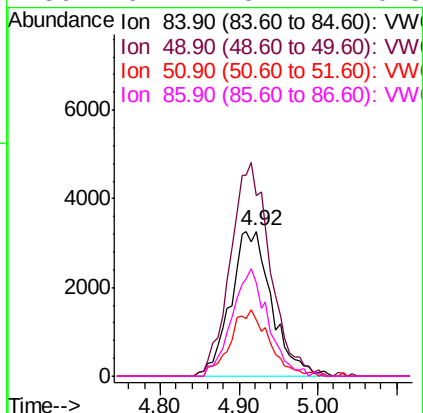
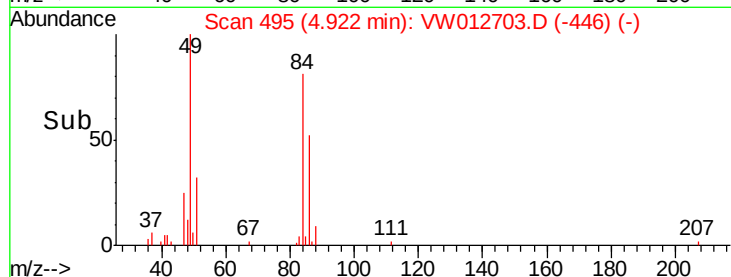
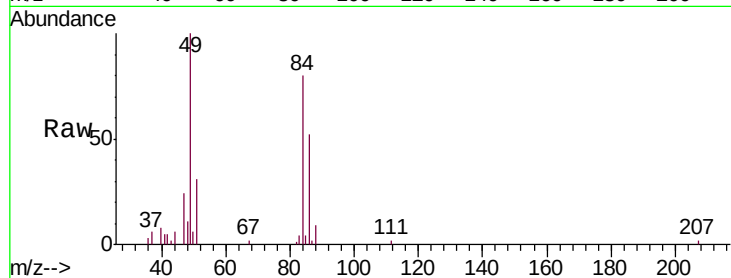




#20
Methylene Chloride
Concen: 4.358 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW012703.D
Acq: 06 Sep 2019 21:15

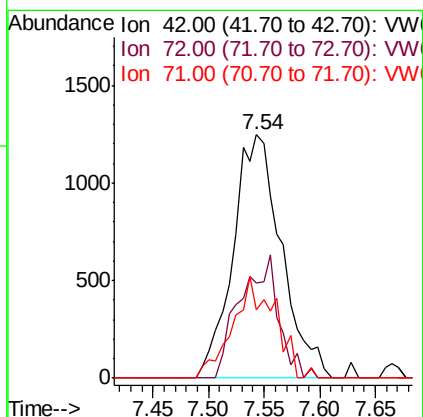
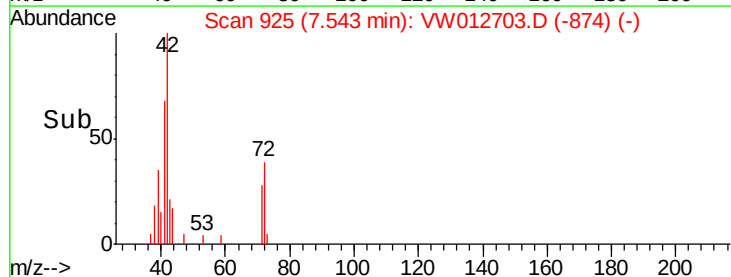
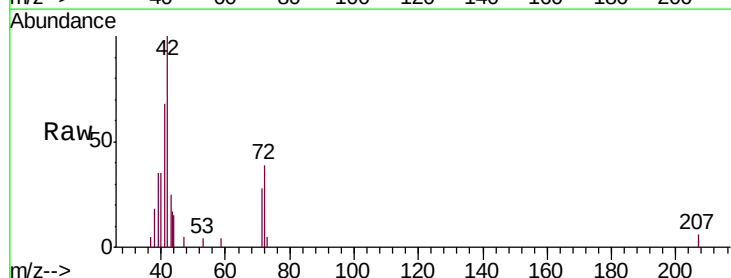
Instrument :
MSVOA_W
ClientSampleId :
T12-D1-(3.5)

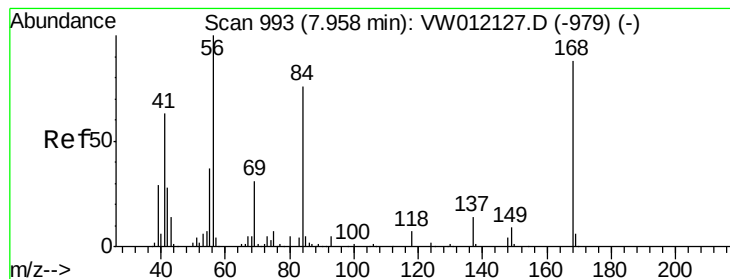
Tgt Ion: 84 Resp: 11925
Ion Ratio Lower Upper
84 100
49 124.7 117.8 176.8
51 39.2 35.6 53.4
86 64.4 51.2 76.8



#29
Tetrahydrofuran
Concen: 6.380 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012703.D
Acq: 06 Sep 2019 21:15

Tgt Ion: 42 Resp: 3765
Ion Ratio Lower Upper
42 100
72 40.6 27.3 40.9
71 35.8 25.5 38.3





#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

Instrument :

MSVOA_W

ClientSampled :

T12-D1-(3.5)

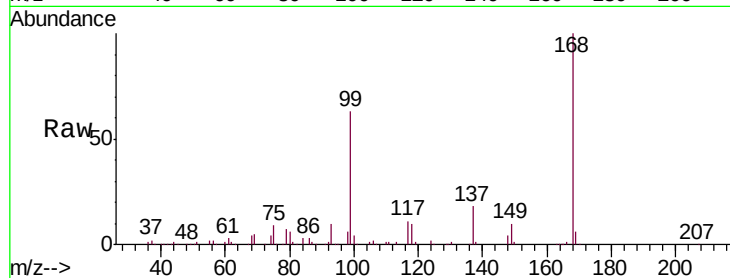
Tgt Ion: 56 Resp: 5261

Ion Ratio Lower Upper

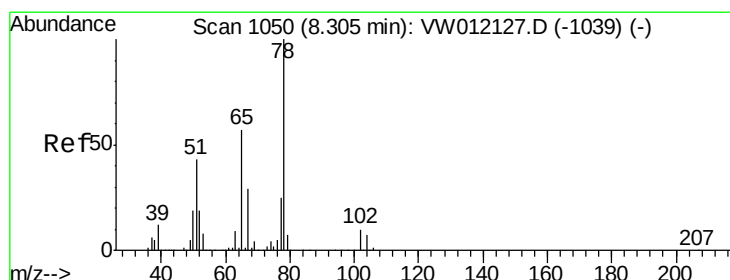
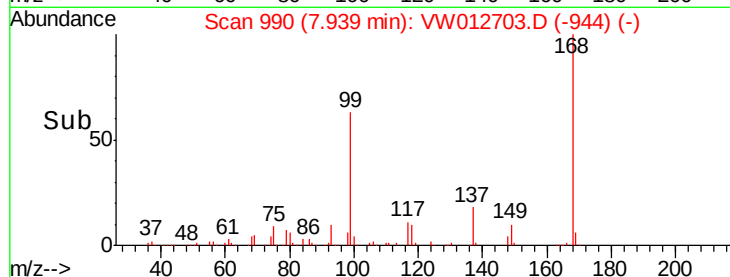
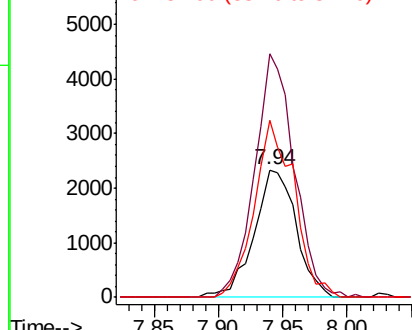
56 100

69 191.1 24.9 37.3#

84 138.9 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: 48.864 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012703.D

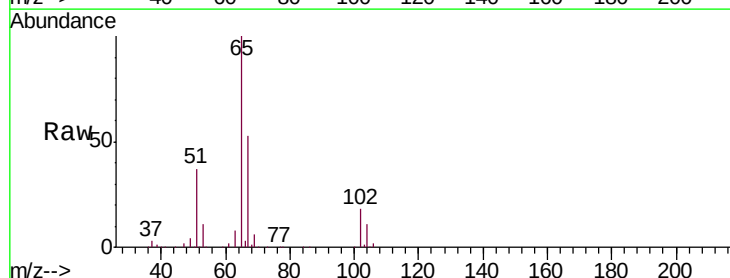
Acq: 06 Sep 2019 21:15

Tgt Ion: 65 Resp: 138372

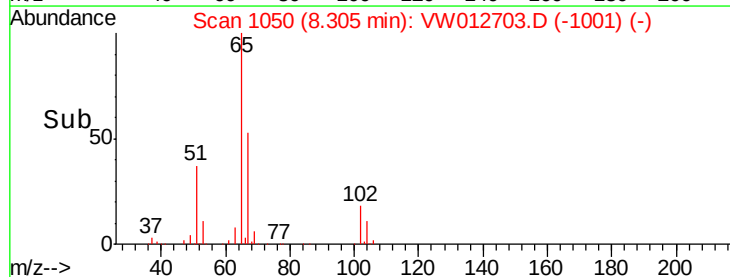
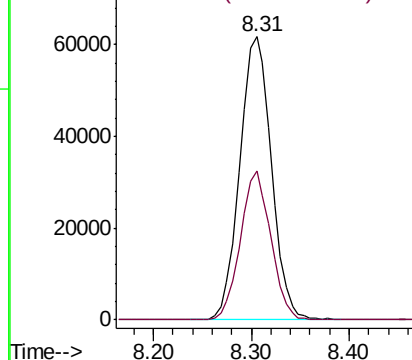
Ion Ratio Lower Upper

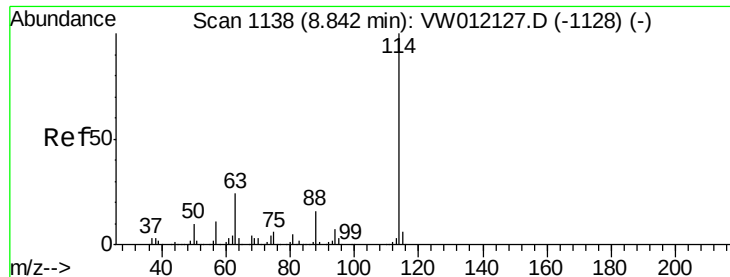
65 100

67 50.6 0.0 102.6



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

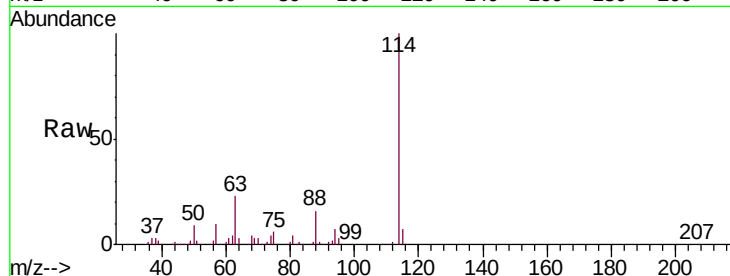




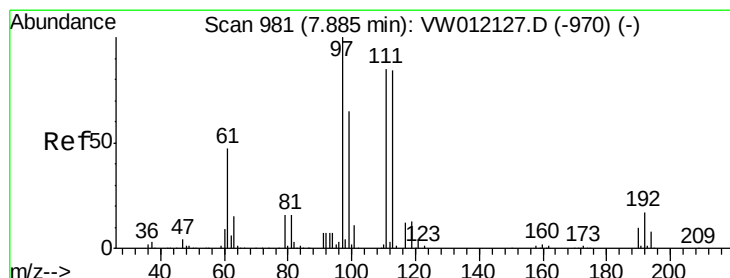
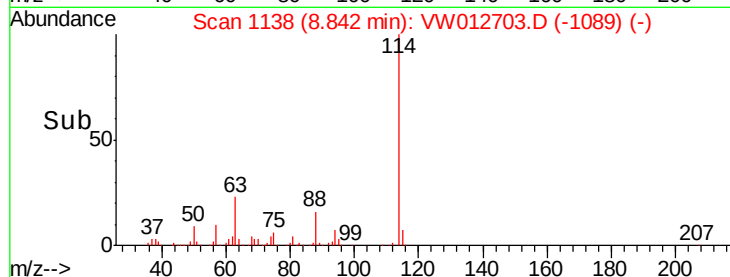
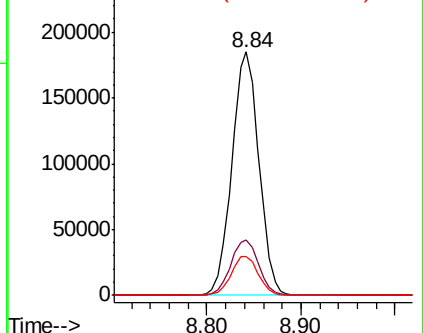
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(3.5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	48.6
88	16.1	0.0	32.2

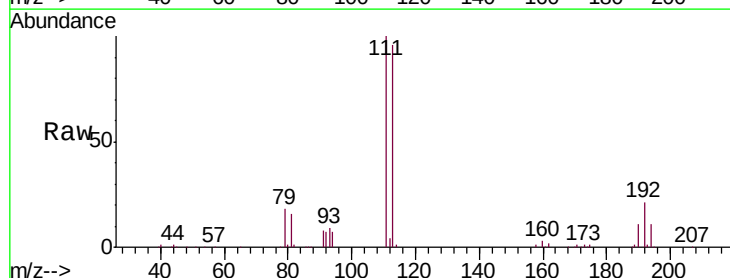


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

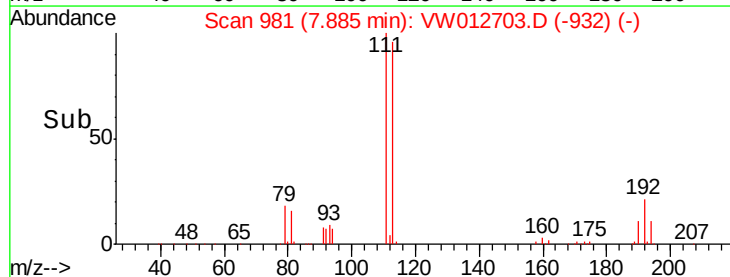
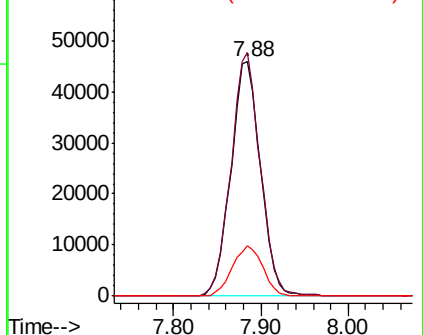


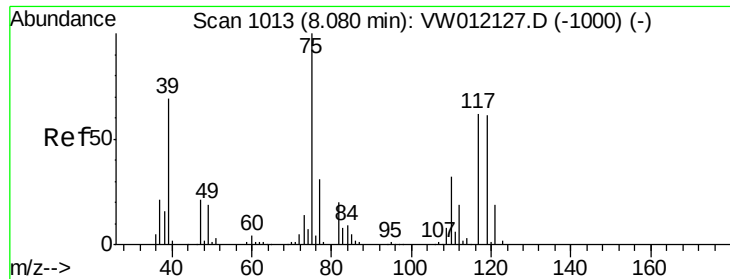
#35
 Dibromofluoromethane
 Concen: 49.477 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	21.7	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

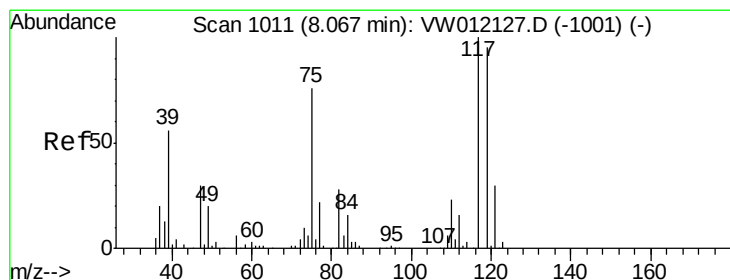
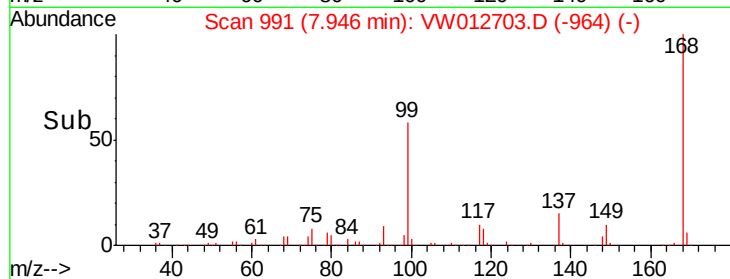
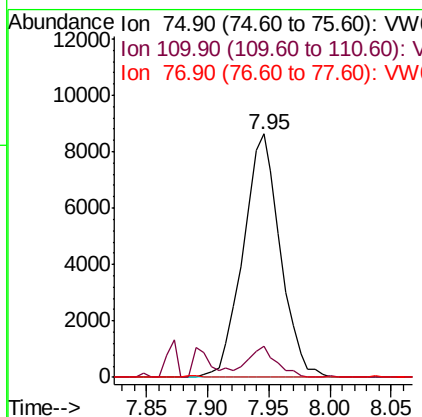
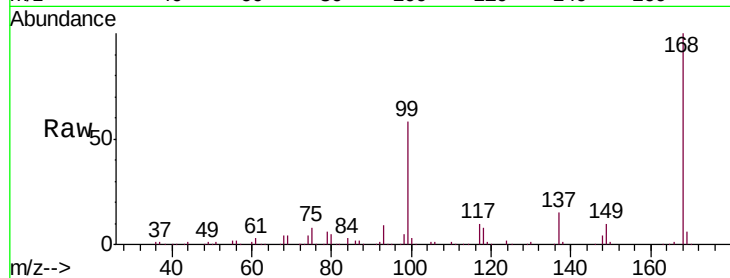




#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

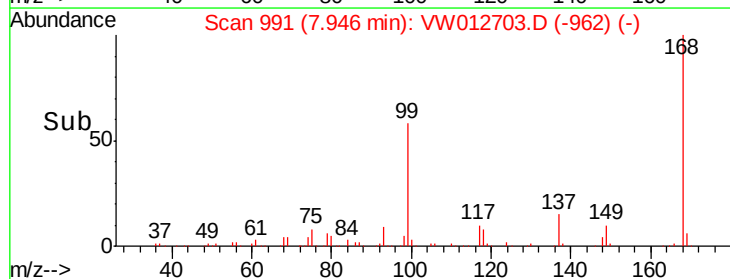
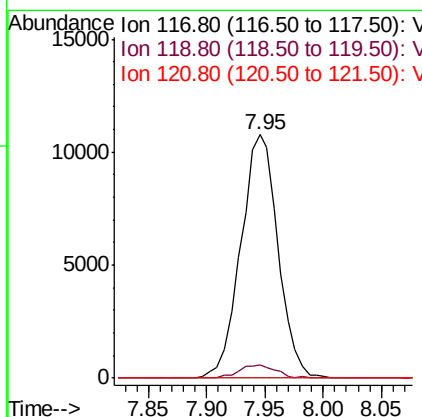
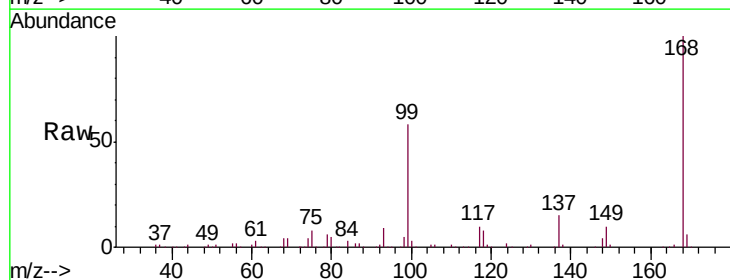
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(3.5)

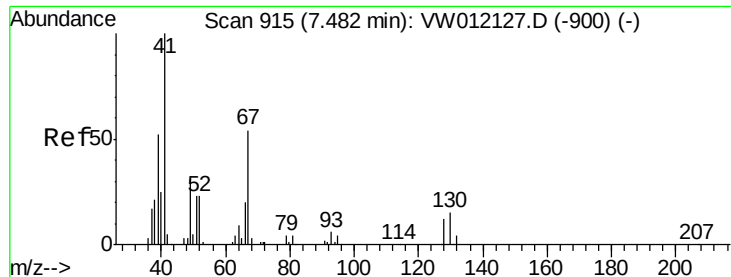
Tgt Ion: 75 Resp: 18176
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.305 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Tgt Ion: 117 Resp: 23967
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 1.887 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

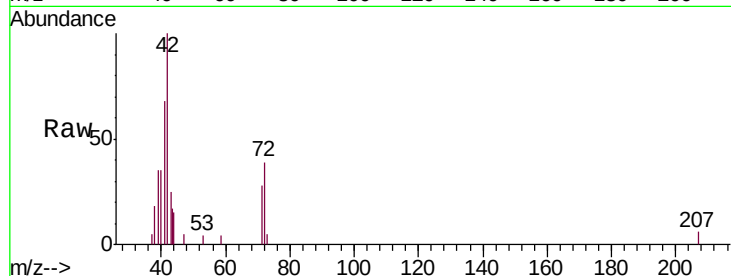
Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(3.5)

Tgt Ion:	41	Resp:	2304
Ion	Ratio	Lower	Upper
41	100		
39	52.6	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

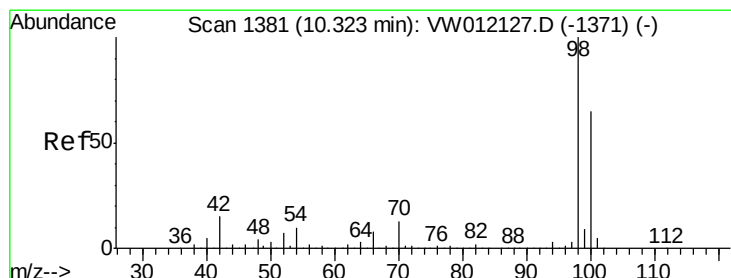
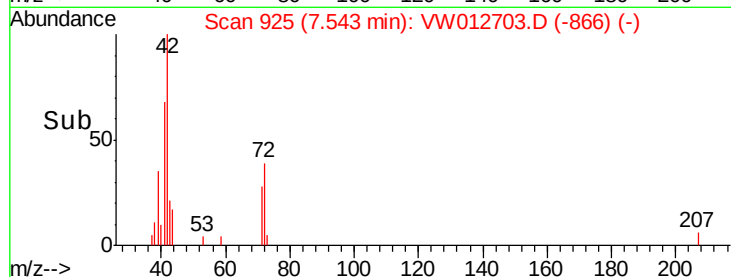
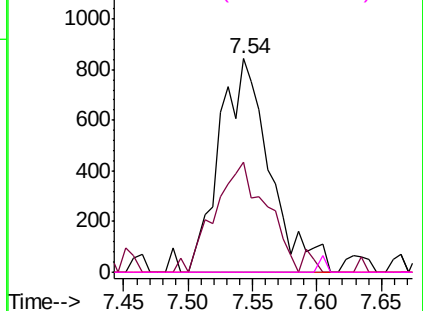


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 47.782 ug/l

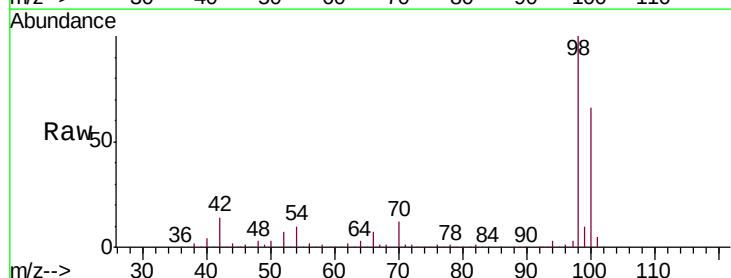
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012703.D

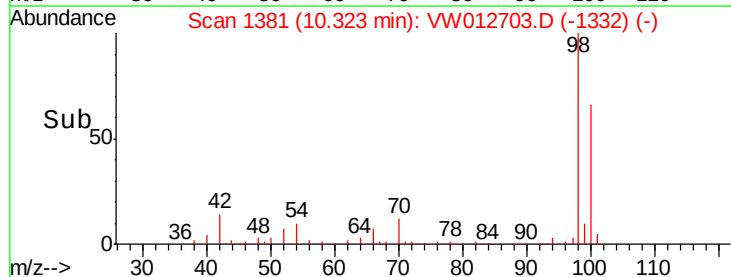
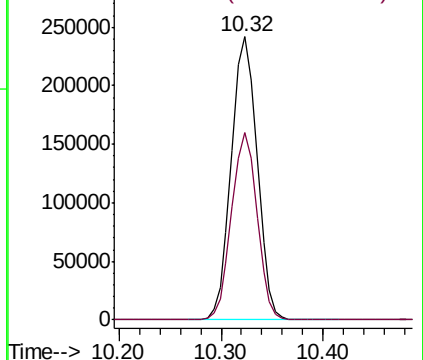
Acq: 06 Sep 2019 21:15

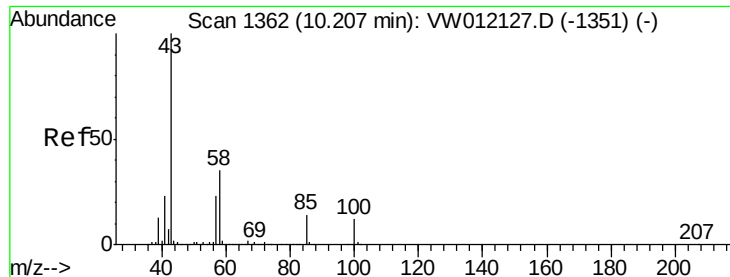
Tgt Ion:	98	Resp:	424235
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.134 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

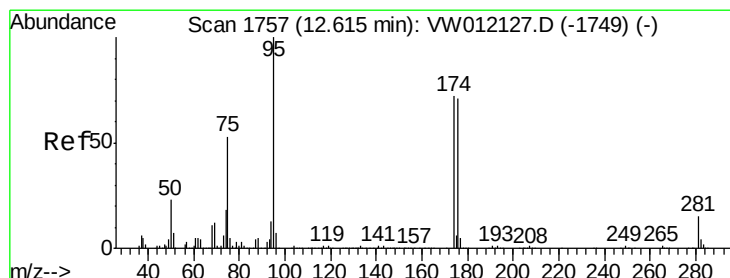
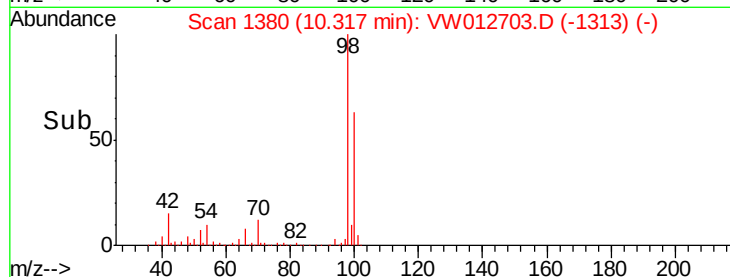
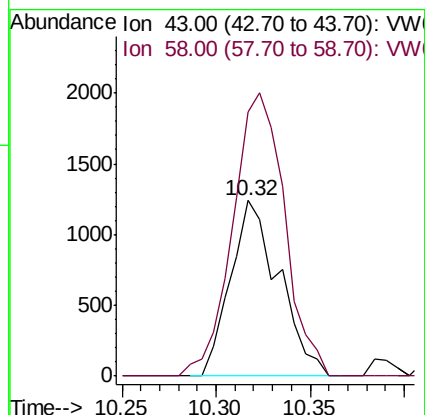
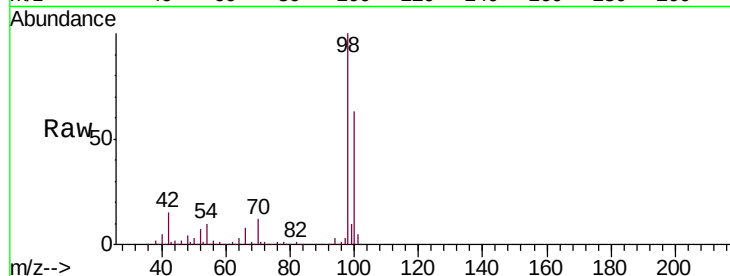
T12-D1-(3.5)

Tgt Ion: 43 Resp: 2220

Ion Ratio Lower Upper

43 100

58 172.0 28.2 42.2#



#62

4-Bromofluorobenzene

Concen: 38.889 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

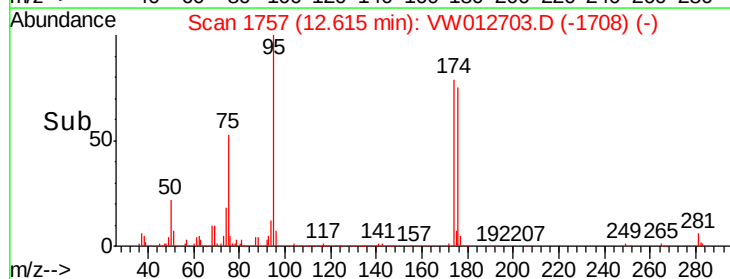
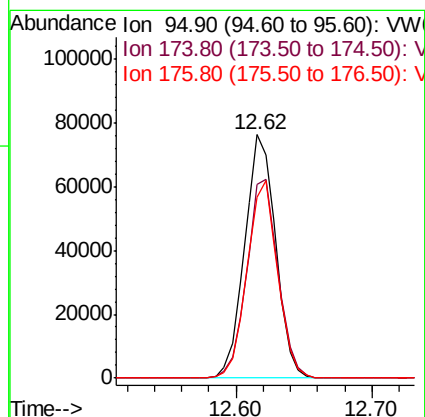
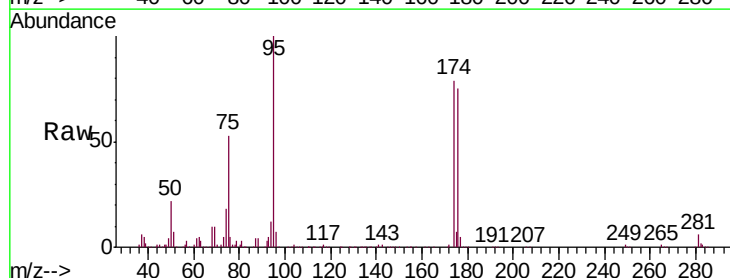
Tgt Ion: 95 Resp: 121710

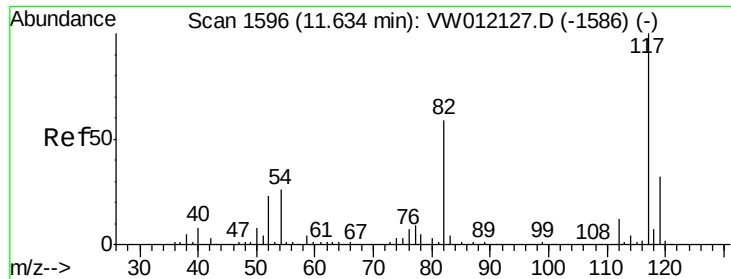
Ion Ratio Lower Upper

95 100

174 82.5 0.0 150.8

176 80.2 0.0 148.6

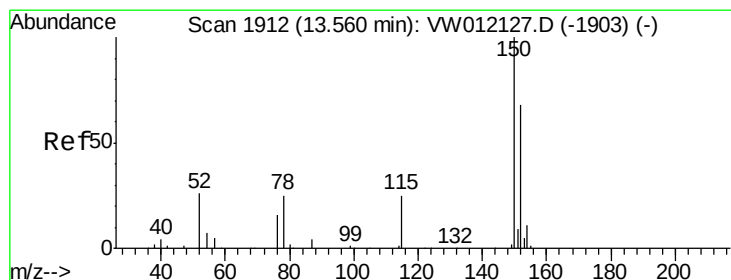
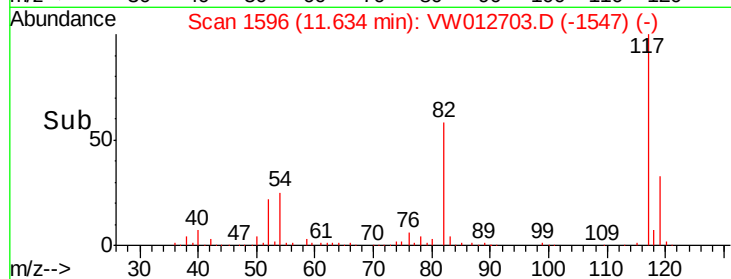
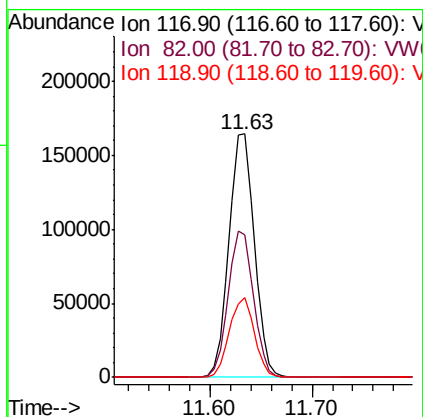
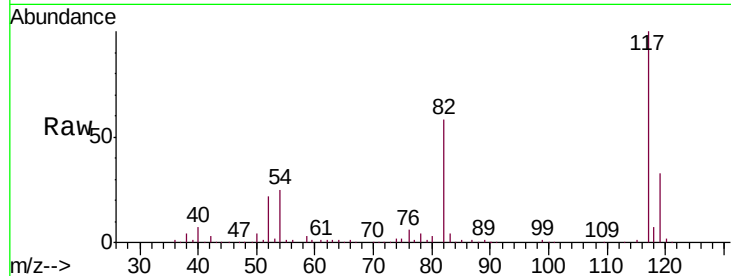




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

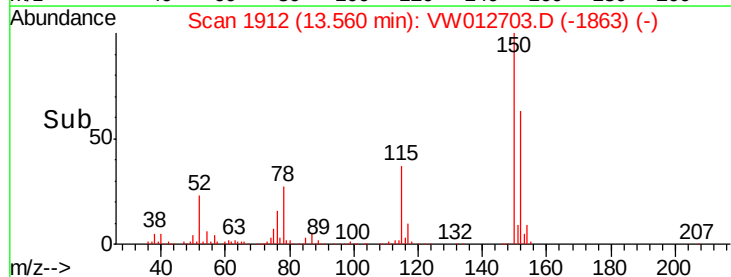
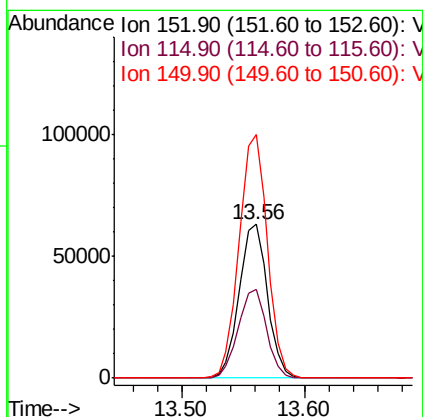
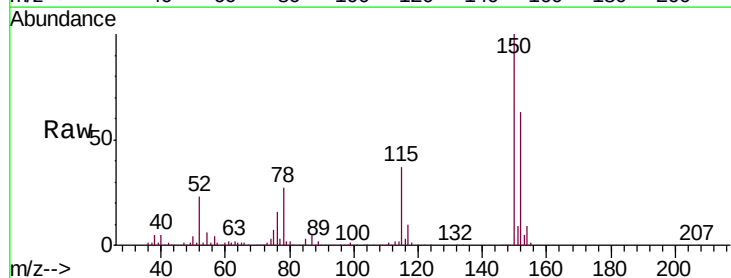
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D1-(3.5)

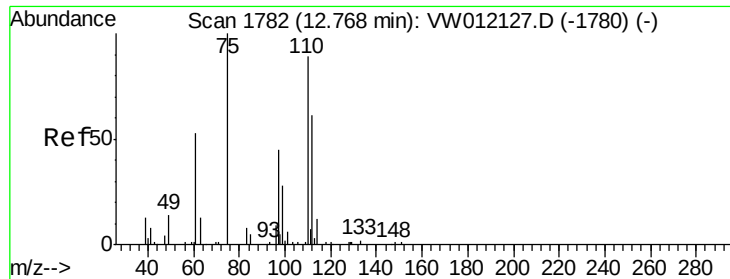
Tgt Ion:117 Resp: 282689
 Ion Ratio Lower Upper
 117 100
 82 58.4 47.4 71.2
 119 32.7 25.4 38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW012703.D
 Acq: 06 Sep 2019 21:15

Tgt Ion:152 Resp: 101467
 Ion Ratio Lower Upper
 152 100
 115 57.9 30.1 90.3
 150 157.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 66.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

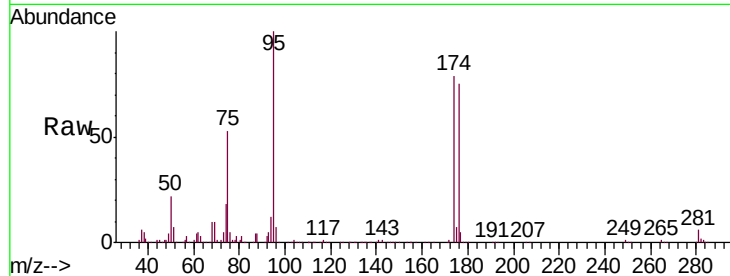
T12-D1-(3.5)

Tgt Ion: 75 Resp: 65523

Ion Ratio Lower Upper

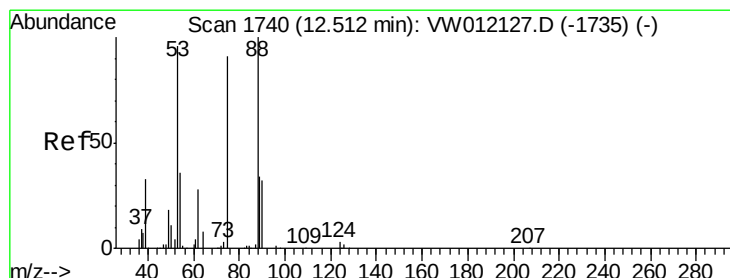
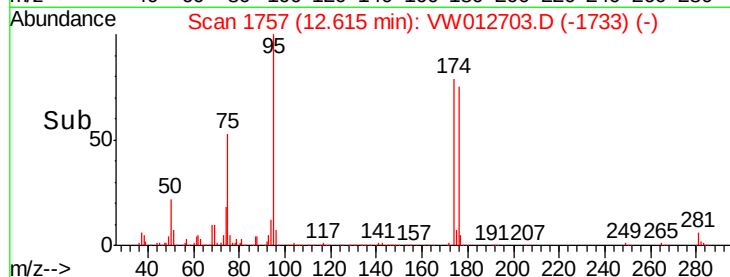
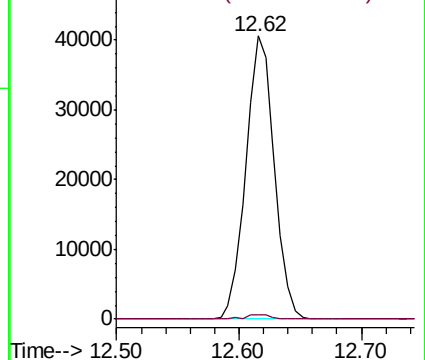
75 100

77 1.5 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: 145.375 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012703.D

Acq: 06 Sep 2019 21:15

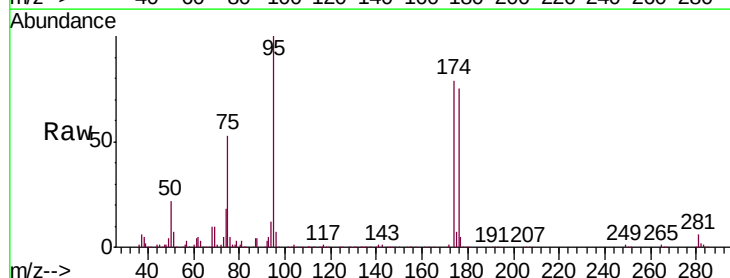
Tgt Ion: 75 Resp: 65523

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

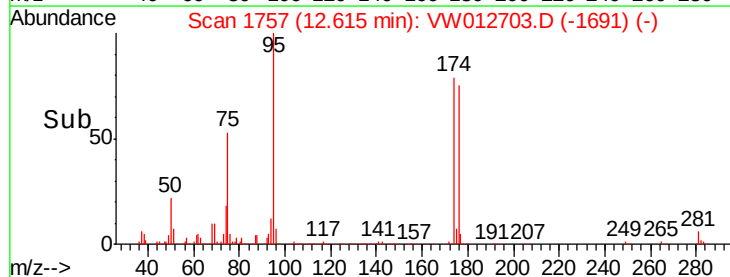
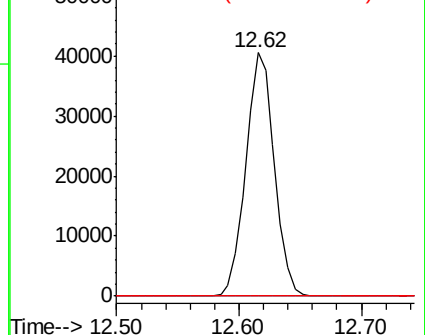
89 0.0 34.5 51.7#

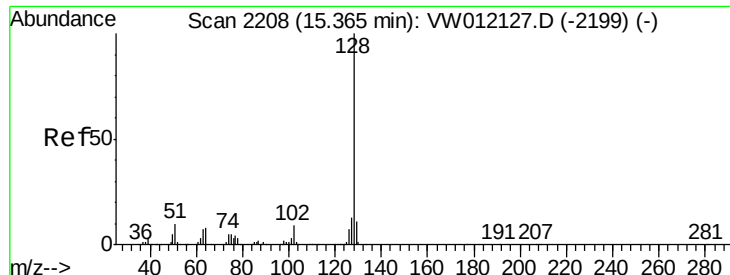


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.422 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012703.D

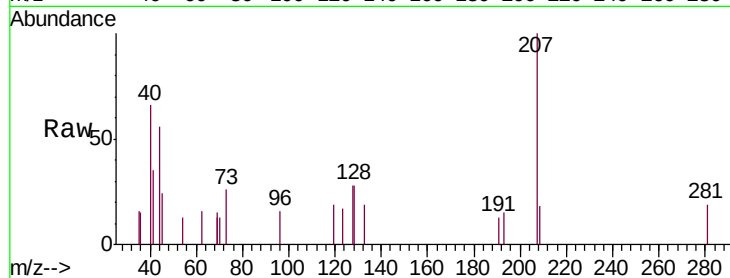
Acq: 06 Sep 2019 21:15

Instrument :

MSVOA_W

ClientSampleId :

T12-D1-(3.5)



Tgt Ion:	128	Resp:	421
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

