

Data File : VW008252.D
Acq On : 14 Jan 2019 17:31
Operator : SY/VA
Sample : K1015-05RE
Misc : 6.78G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-A

Quant Time: Jan 14 21:16:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	177020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57254	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	7.88	113	56230	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.32	98	215940	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	67759	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	

Target Compounds

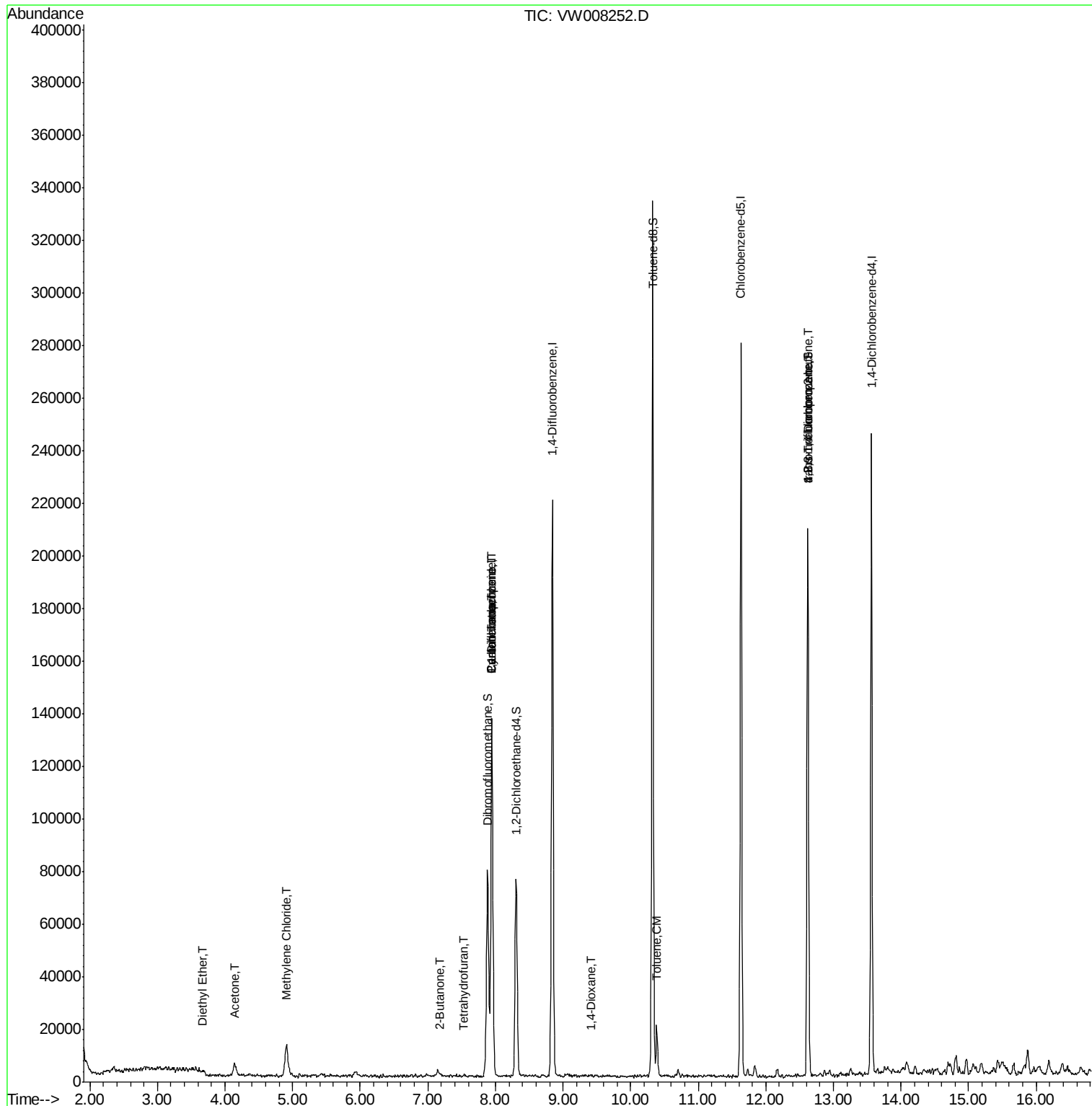
					Qvalue	
8) Diethyl Ether	3.67	74	934	1.486	ug/l	72
11) Tert butyl alcohol	5.23	59	393	Below Cal	#	100
16) Acetone	4.15	43	10006	31.580	ug/l	98
20) Methylene Chloride	4.90	84	9089	3.865	ug/l	95
25) 2-Butanone	7.18	43	731	2.363	ug/l #	49
29) Tetrahydrofuran	7.52	42	314	1.519	ug/l	91
31) Cyclohexane	7.95	56	2617	1.118	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	8038	4.408	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10225	6.126	ug/l #	17
49) 1,4-Dioxane	9.41	88	52	5.369	ug/l #	11
52) Toluene	10.38	92	8115	2.569	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	33452	59.203	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33452	137.865	ug/l #	10

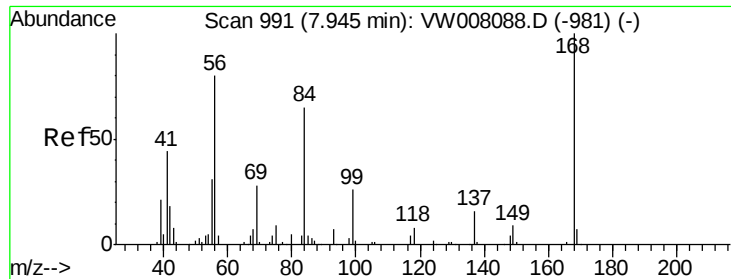
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008252.D
Acq On : 14 Jan 2019 17:31
Operator : SY/VA
Sample : K1015-05RE
Misc : 6.78G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-A

Quant Time: Jan 14 21:16:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 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: VW008252.D

Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

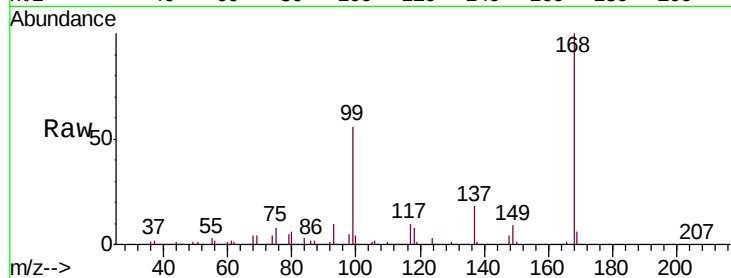
SU-02-011119-A

Tgt Ion:168 Resp: 98942

Ion Ratio Lower Upper

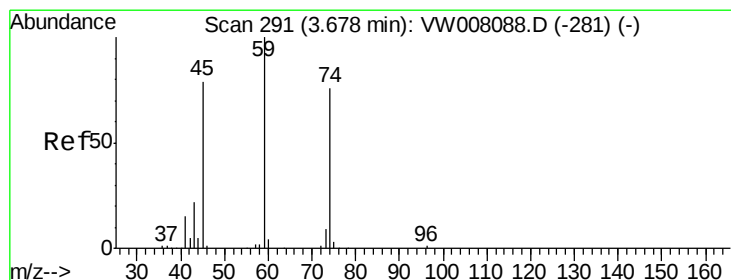
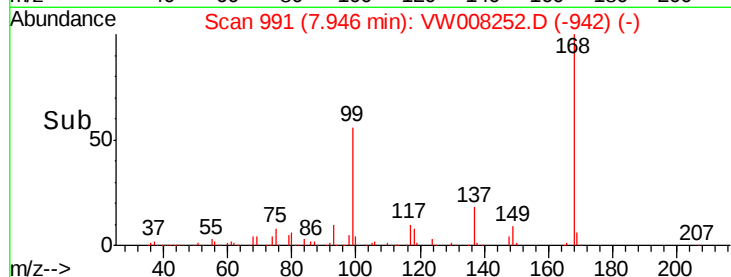
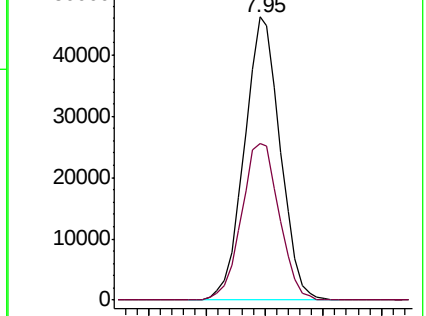
168 100

99 55.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.486 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW008252.D

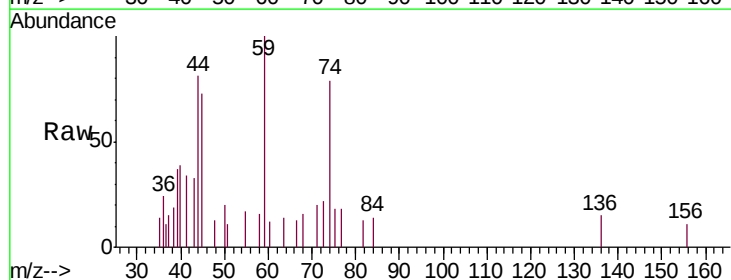
Acq: 14 Jan 2019 17:31

Tgt Ion: 74 Resp: 934

Ion Ratio Lower Upper

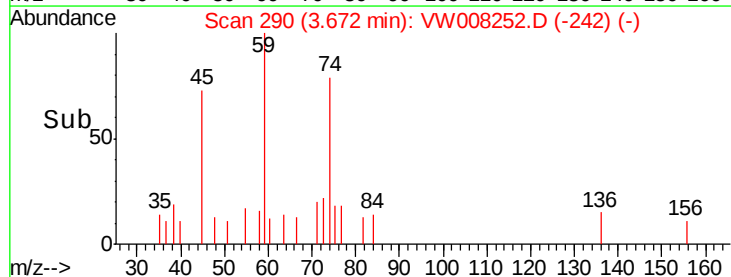
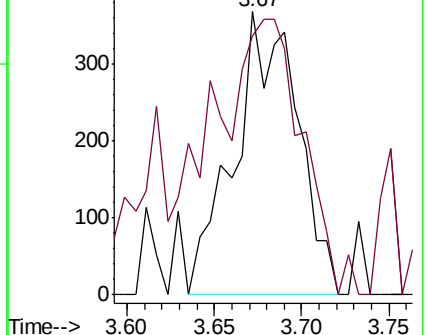
74 100

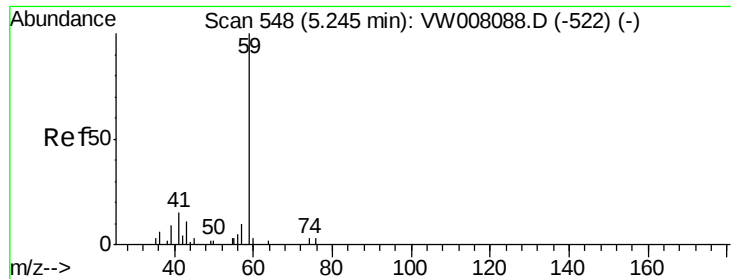
45 134.2 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

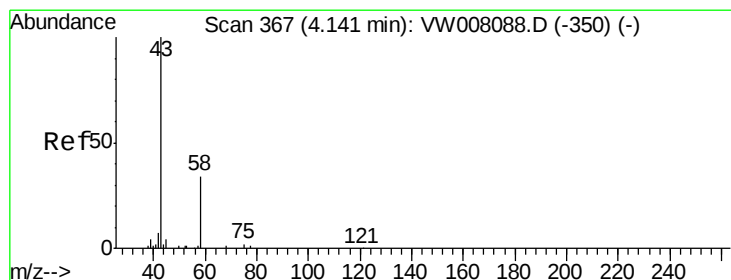
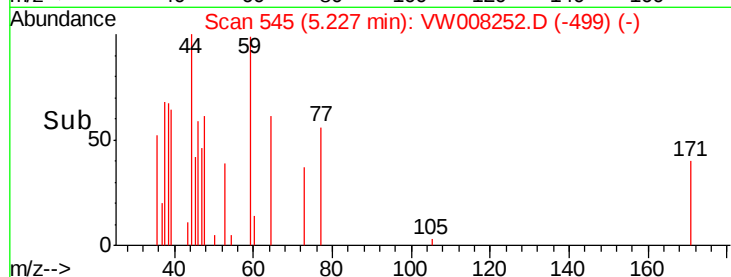
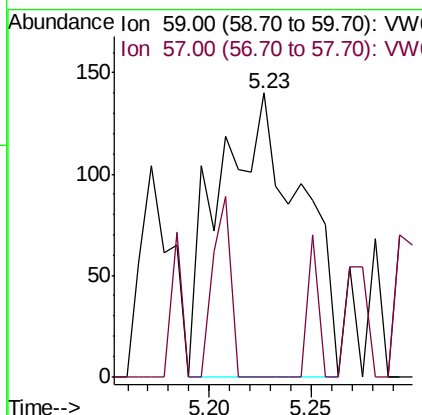
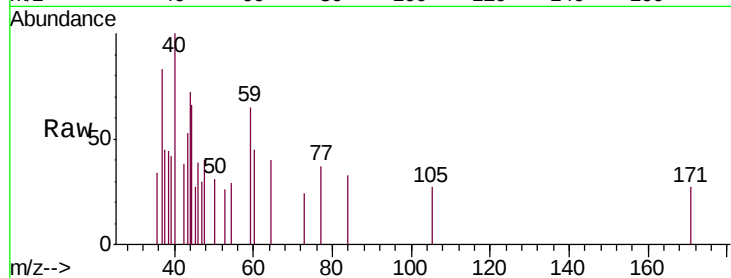




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 545
Delta R.T. -0.02 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

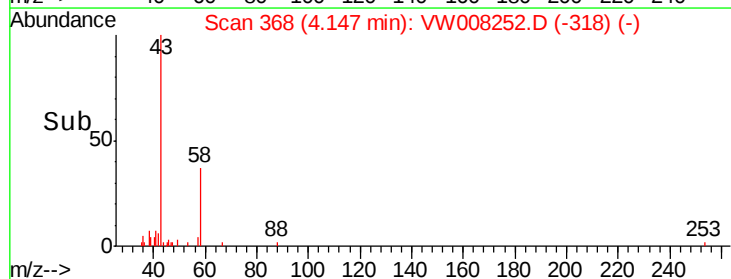
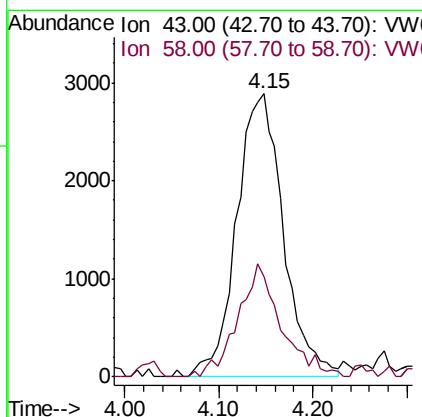
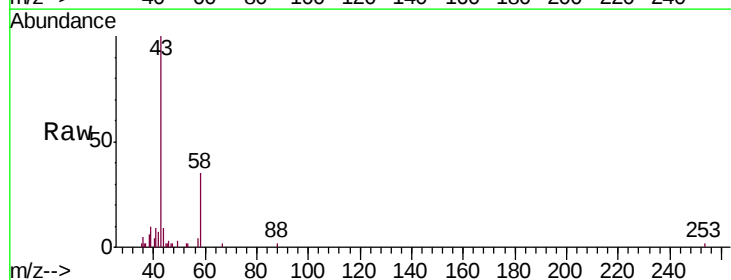
Instrument :
MSVOA_W
ClientSampled :
SU-02-011119-A

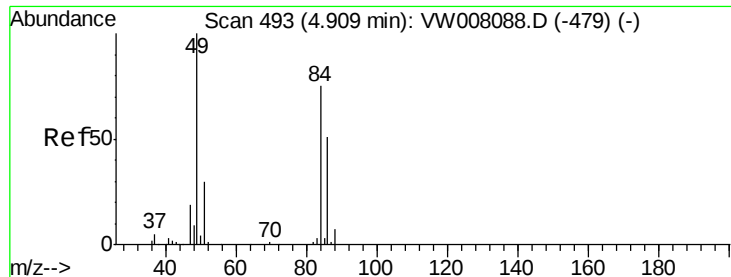
Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 14.0 0.0 0.0#



#16
Acetone
Concen: 31.580 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

Tgt Ion: 43 Resp: 10006
Ion Ratio Lower Upper
43 100
58 35.4 27.5 41.3

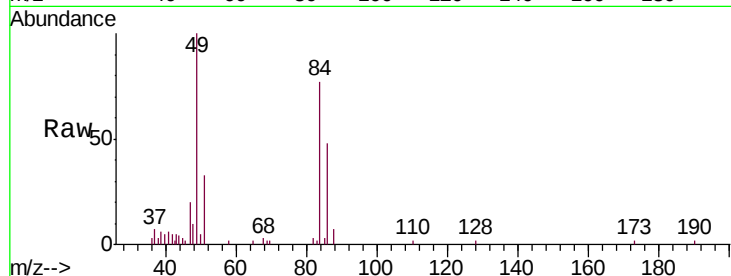




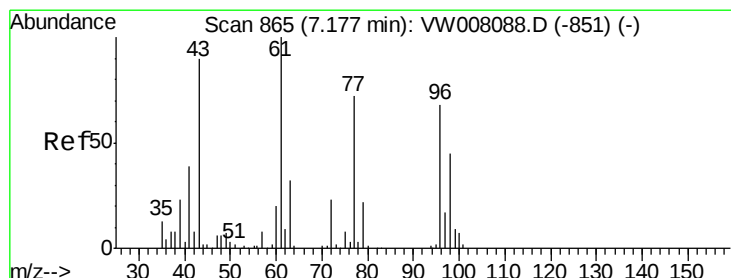
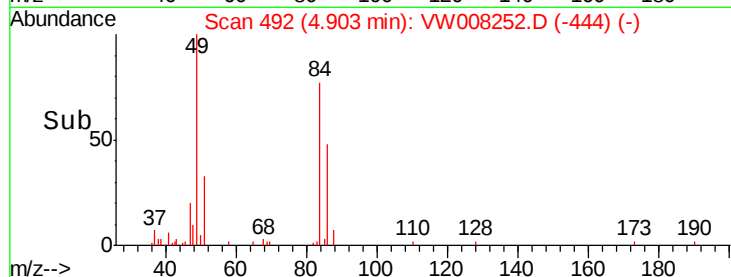
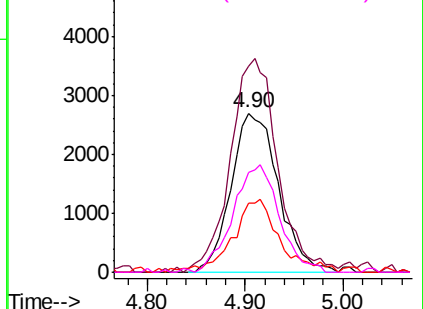
#20
Methylene Chloride
Concen: 3.865 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-A

Tgt Ion:	84	Resp:	9089
Ion	Ratio	Lower	Upper
84	100		
49	127.7	107.1	160.7
51	43.4	32.4	48.6
86	62.8	54.2	81.4

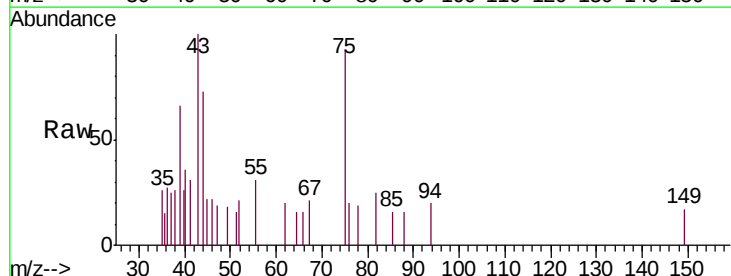


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

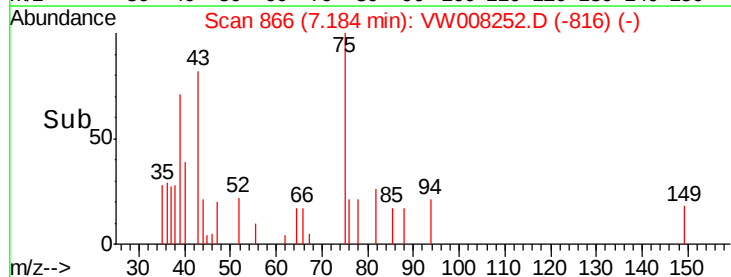
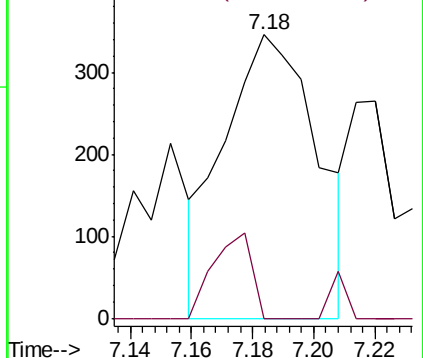


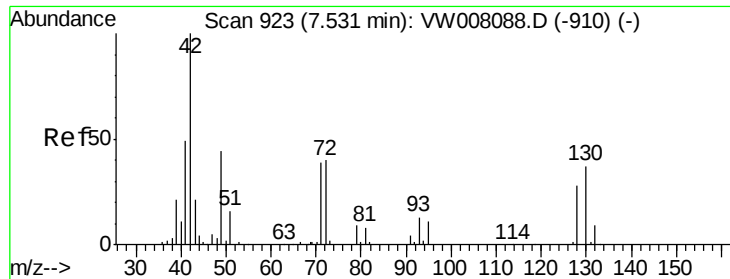
#25
2-Butanone
Concen: 2.363 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

Tgt Ion:	43	Resp:	731
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

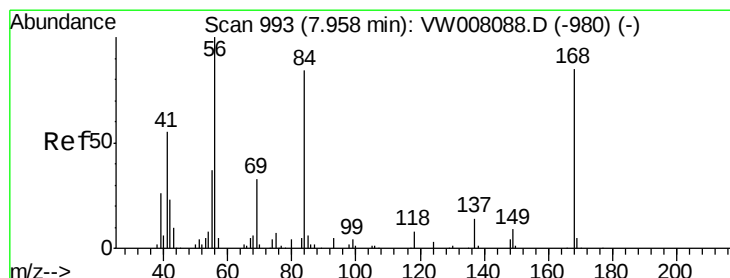
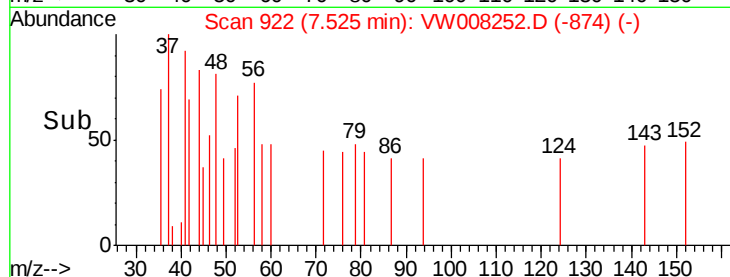
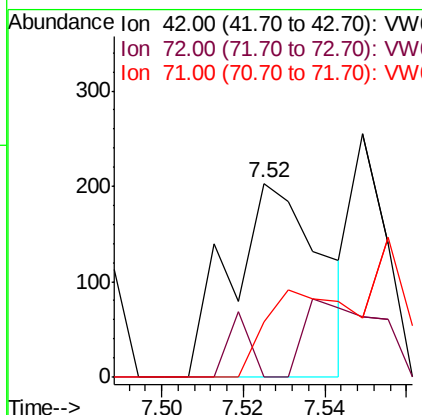
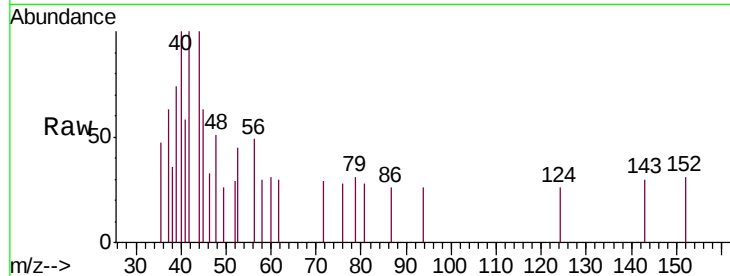




#29
Tetrahydrofuran
Concen: 1.519 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

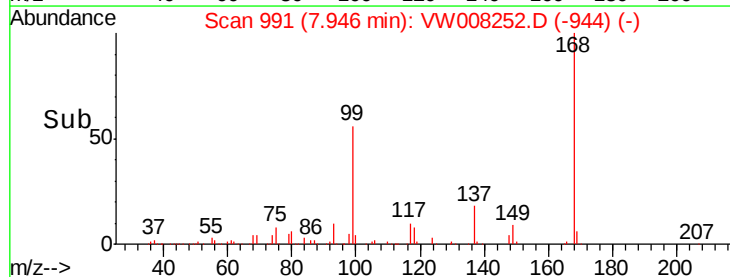
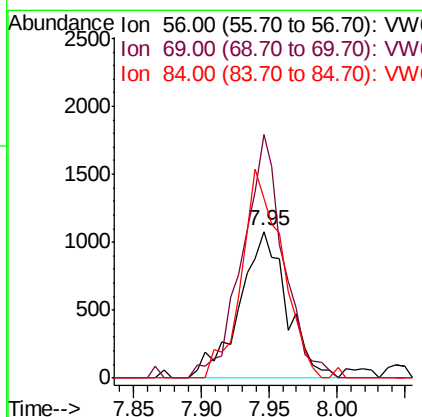
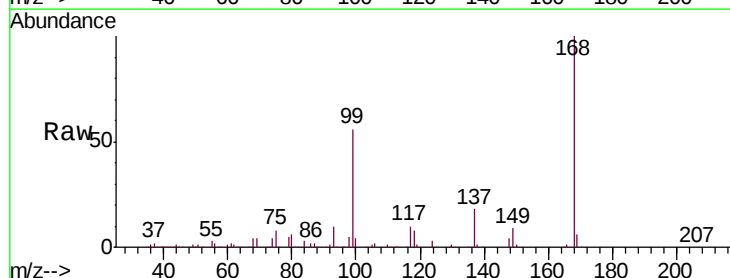
Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-A

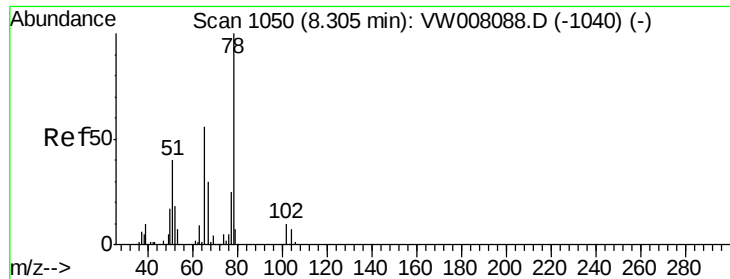
Tgt Ion: 42 Resp: 314
Ion Ratio Lower Upper
42 100
72 32.5 32.4 48.6
71 36.0 31.3 46.9



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008252.D
Acq: 14 Jan 2019 17:31

Tgt Ion: 56 Resp: 2617
Ion Ratio Lower Upper
56 100
69 165.8 26.2 39.4#
84 121.9 67.4 101.2#

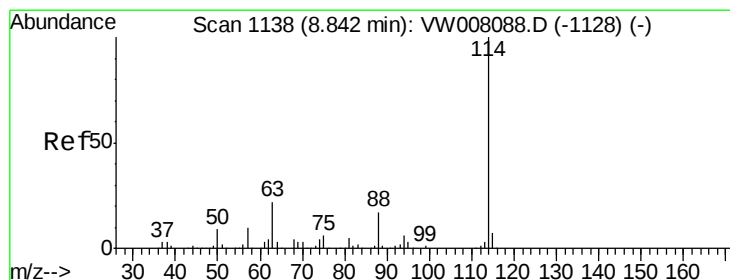
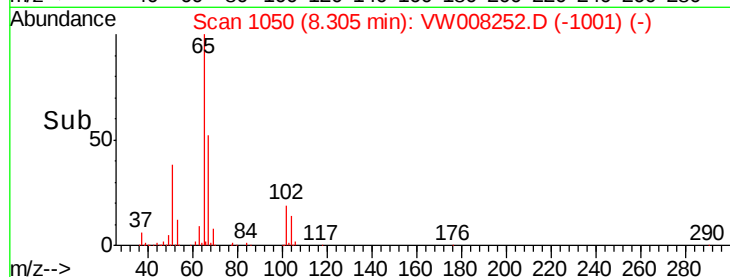
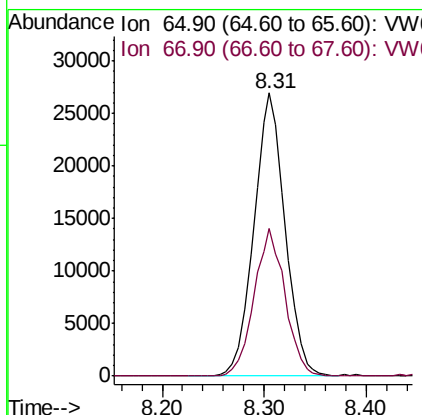
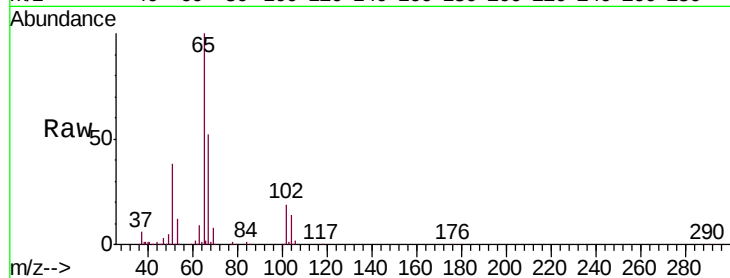




#33
 1,2-Dichloroethane-d4
 Concen: 51.486 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008252.D
 Acq: 14 Jan 2019 17:31

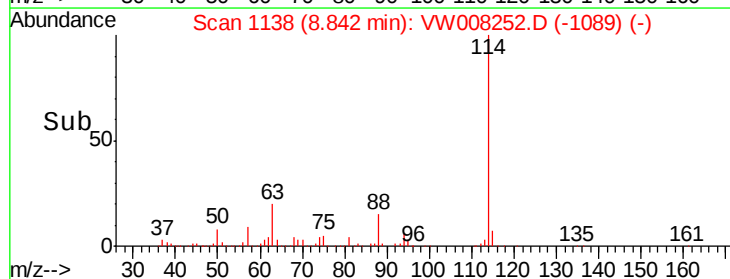
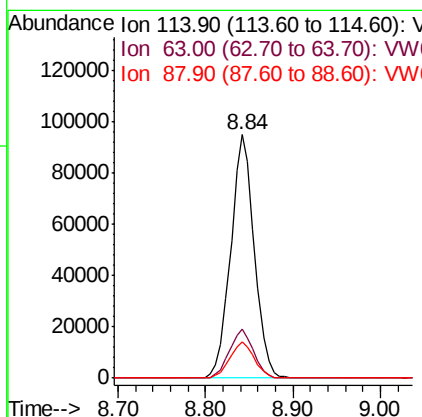
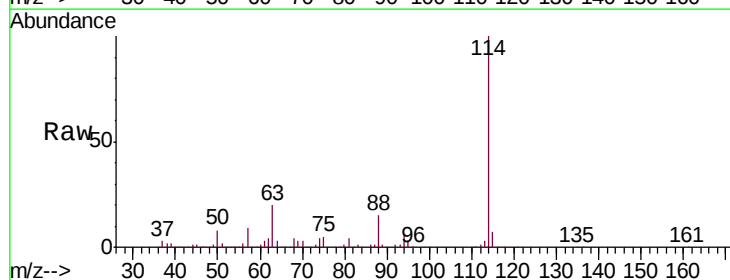
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-011119-A

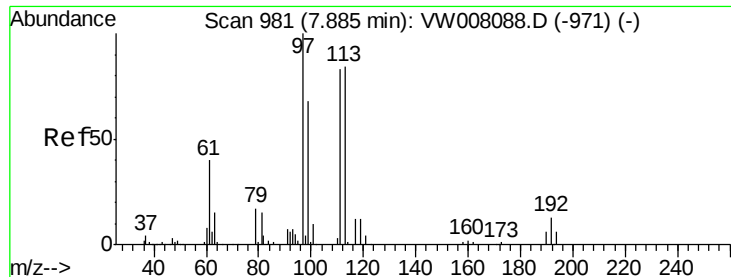
Tgt Ion: 65 Resp: 57254
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008252.D
 Acq: 14 Jan 2019 17:31

Tgt Ion: 114 Resp: 177020
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.4
 88 15.1 0.0 33.4

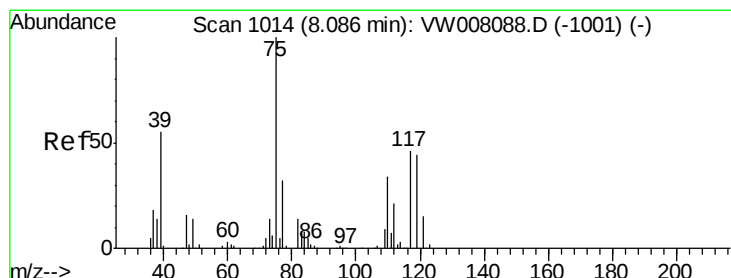
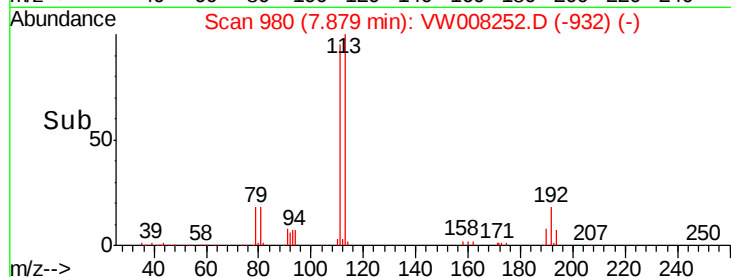
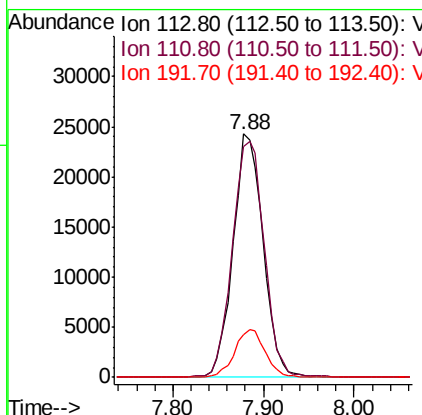
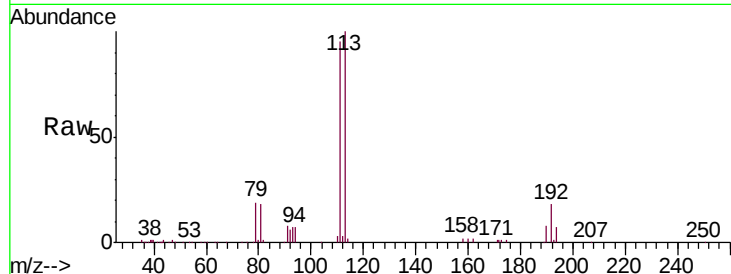




#35
 Dibromofluoromethane
 Concen: 54.463 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008252.D
 Acq: 14 Jan 2019 17:31

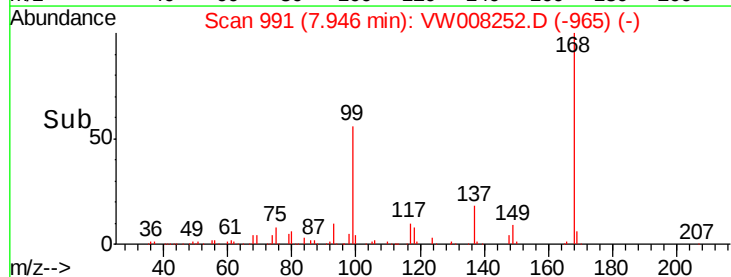
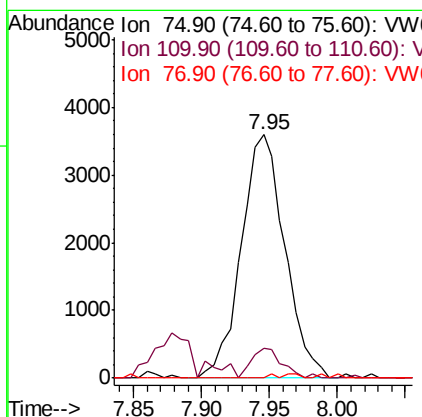
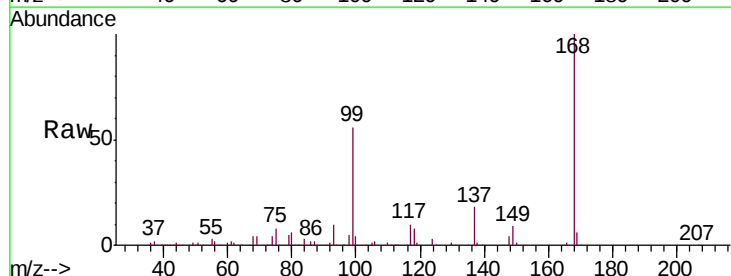
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-011119-A

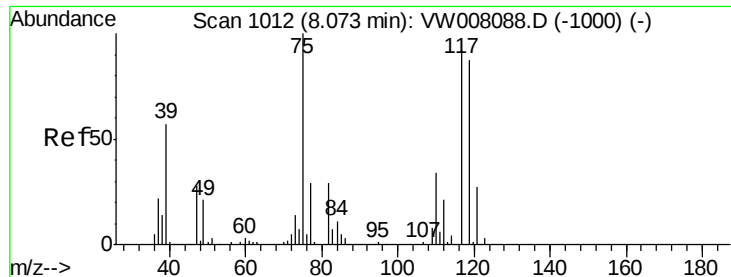
Tgt Ion:113 Resp: 56230
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.8 122.8
 192 19.8 12.8 19.2#



#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008252.D
 Acq: 14 Jan 2019 17:31

Tgt Ion: 75 Resp: 8038
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.3#
 77 0.8 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-A

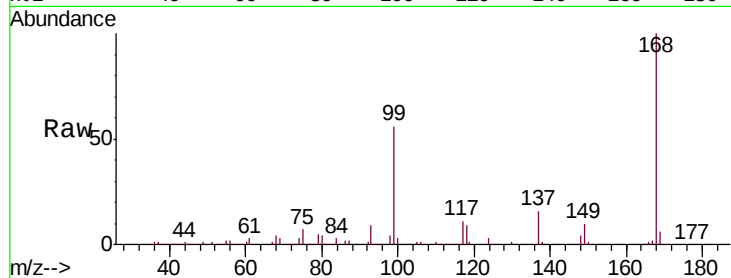
Tgt Ion:117 Resp: 10225

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

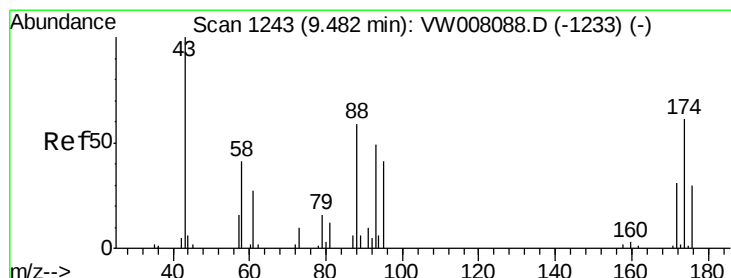
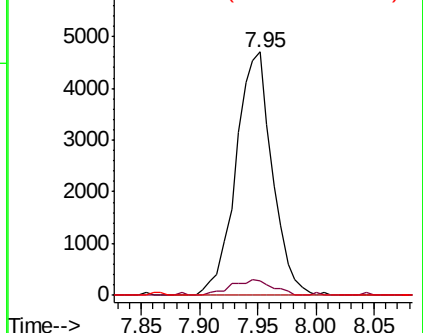
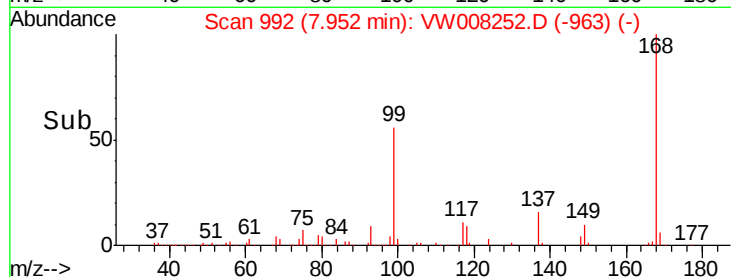
121 0.0 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 5.369 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.07 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

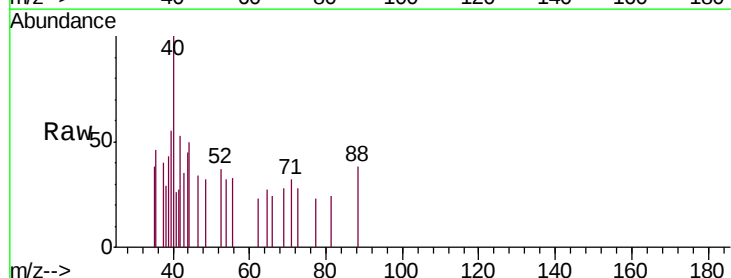
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 330.8 0.0 0.0#

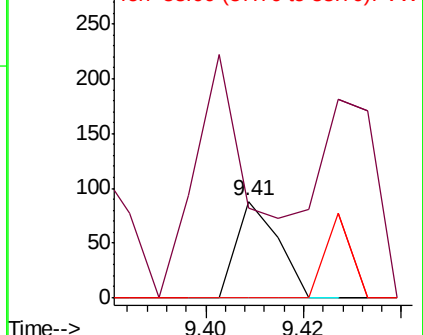
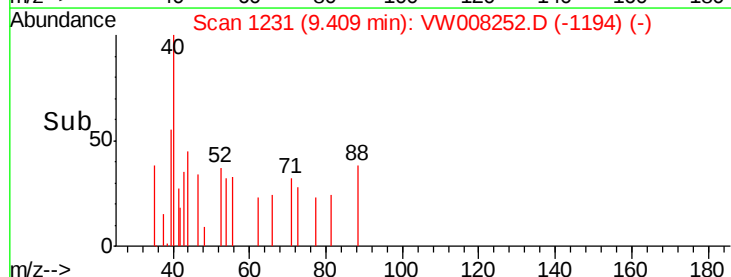
58 0.0 61.7 92.5#

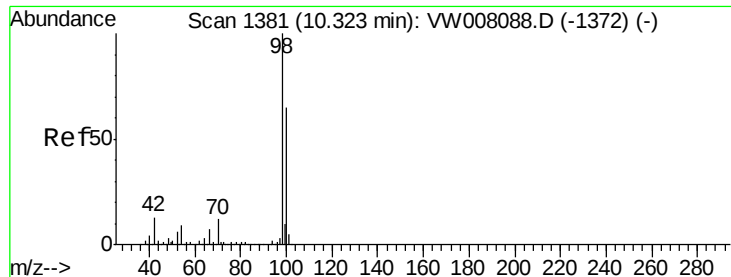


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.841 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

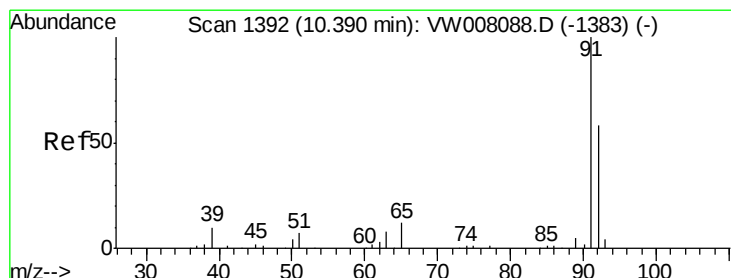
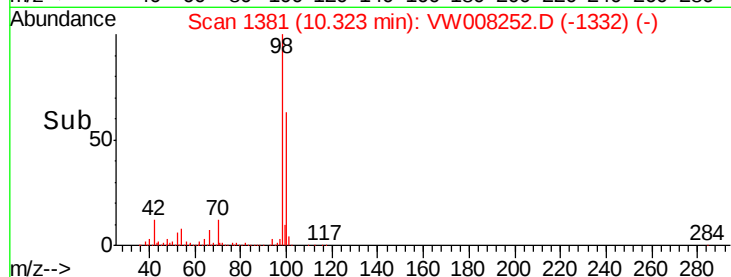
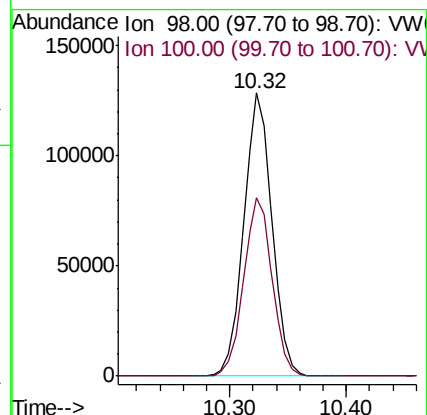
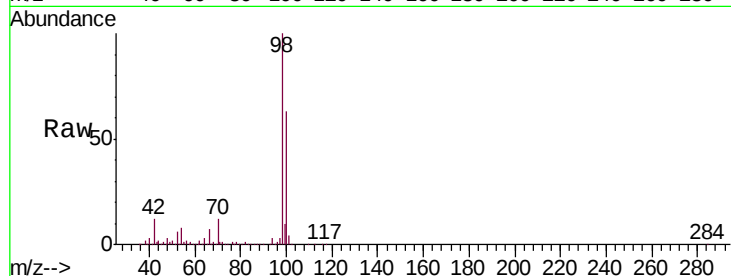
SU-02-011119-A

Tgt Ion: 98 Resp: 215940

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#52

Toluene

Concen: 2.569 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008252.D

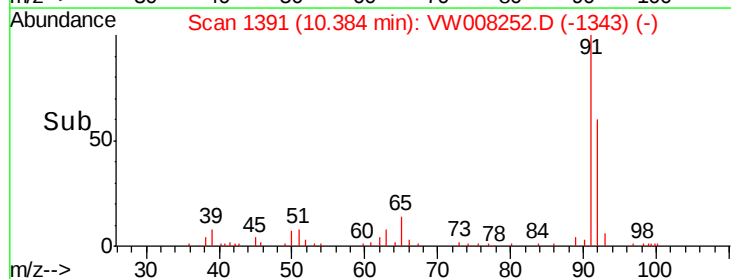
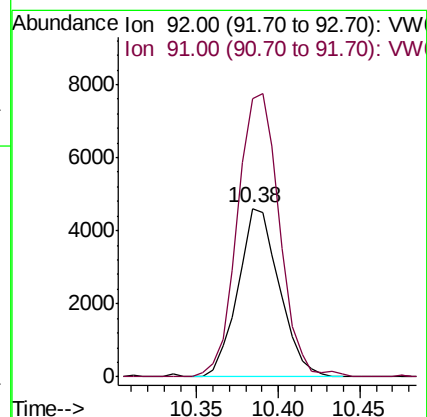
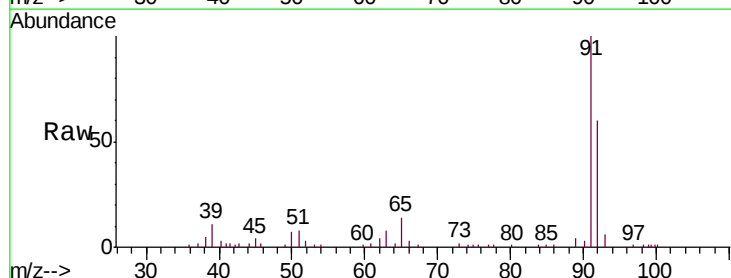
Acq: 14 Jan 2019 17:31

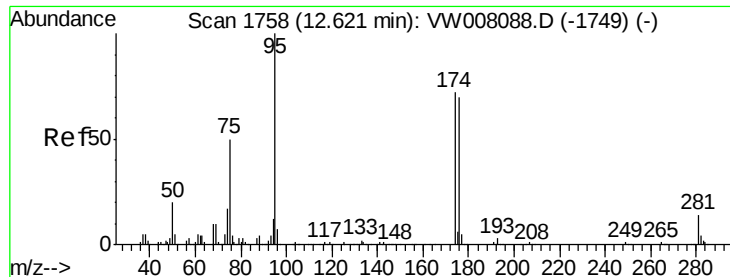
Tgt Ion: 92 Resp: 8115

Ion Ratio Lower Upper

92 100

91 171.5 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 43.625 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-A

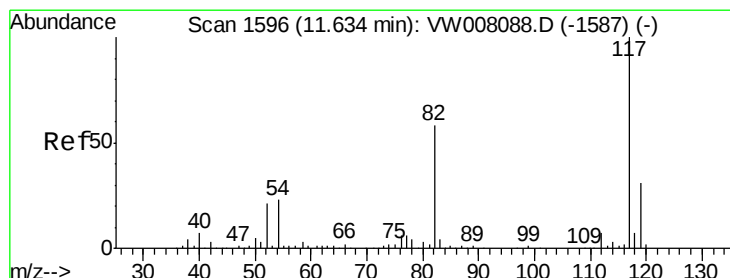
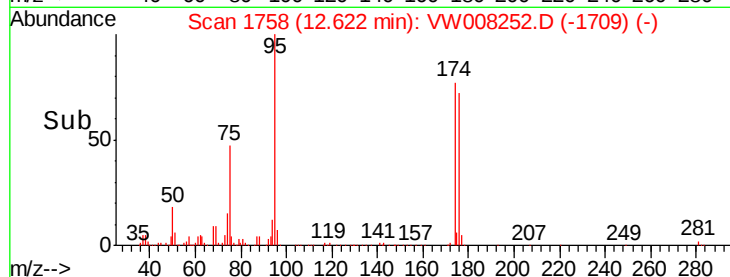
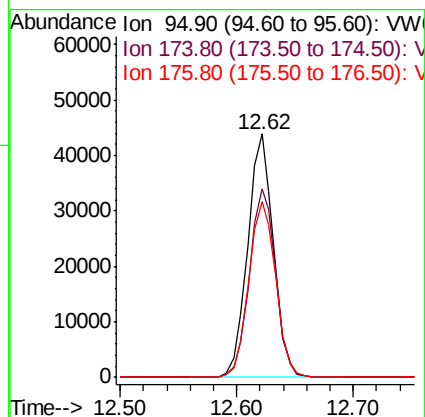
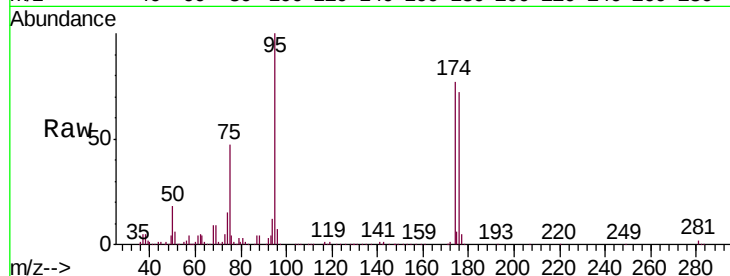
Tgt Ion: 95 Resp: 67759

Ion Ratio Lower Upper

95 100

174 78.4 0.0 143.0

176 75.3 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

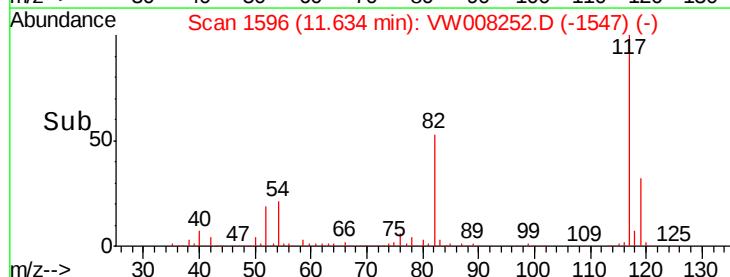
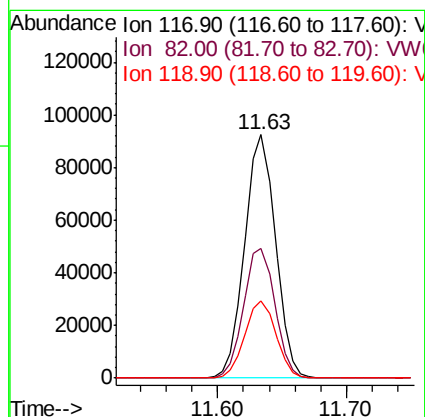
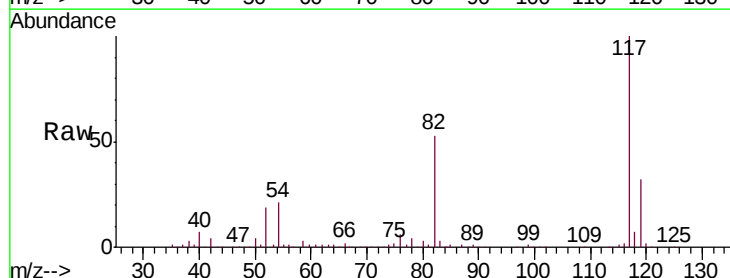
Tgt Ion: 117 Resp: 153116

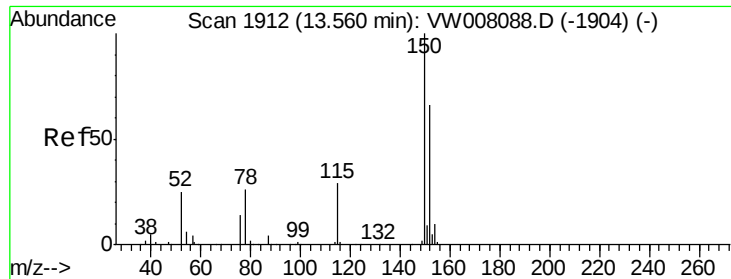
Ion Ratio Lower Upper

117 100

82 53.5 46.4 69.6

119 31.9 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008252.D

Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-A

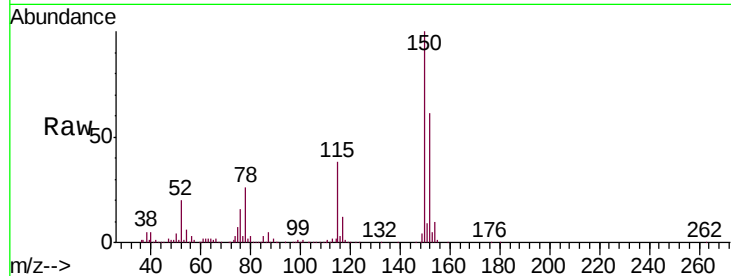
Tgt Ion:152 Resp: 61983

Ion Ratio Lower Upper

152 100

115 59.3 30.8 92.4

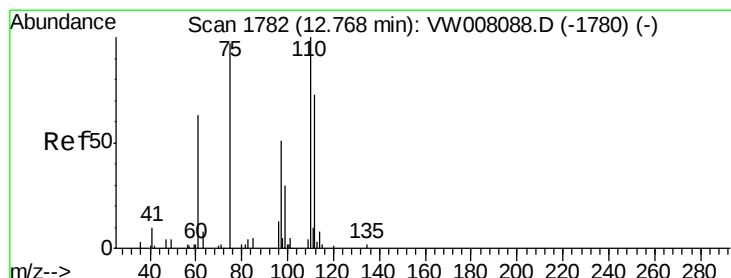
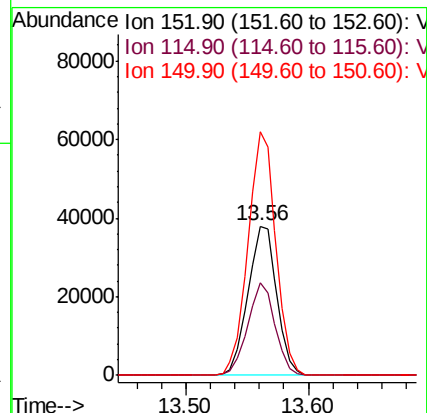
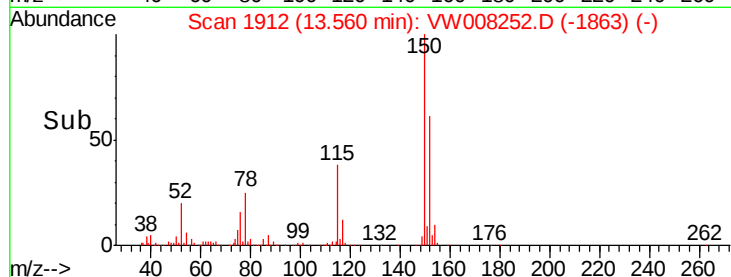
150 157.3 0.0 350.2



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: 59.203 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008252.D

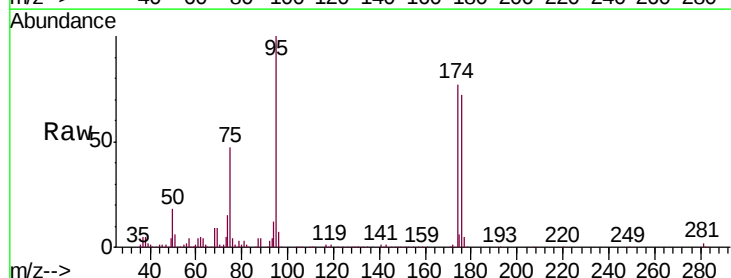
Acq: 14 Jan 2019 17:31

Tgt Ion: 75 Resp: 33452

Ion Ratio Lower Upper

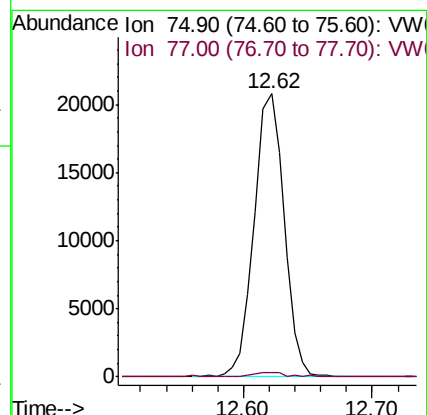
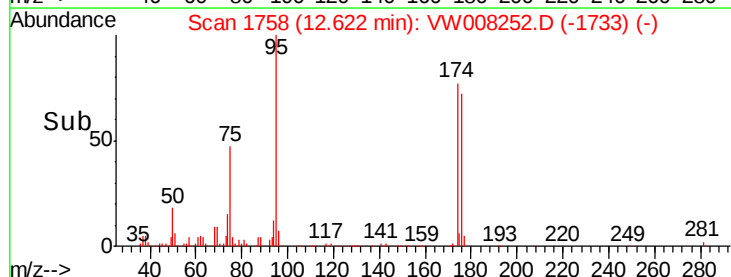
75 100

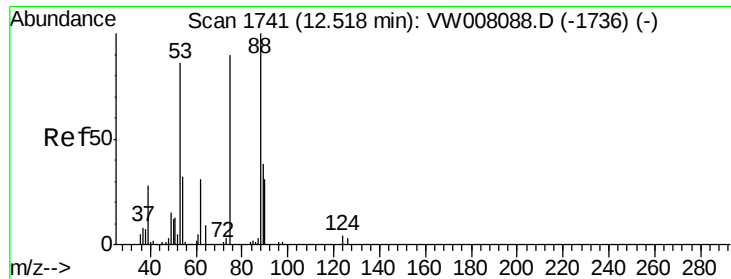
77 1.8 179.4 538.2#



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: 137.865 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008252.D

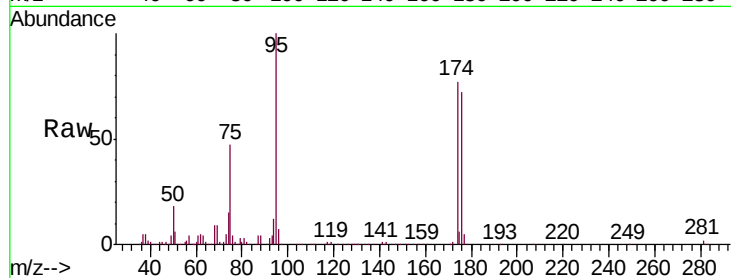
Acq: 14 Jan 2019 17:31

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-A



Tgt Ion: 75 Resp: 33452

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.0 35.4 53.2#

