

Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07RE
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 14 21:16:46 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	90331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53588	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.88	113	52181	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
50) Toluene-d8	10.32	98	203155	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.62	95	65376	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds

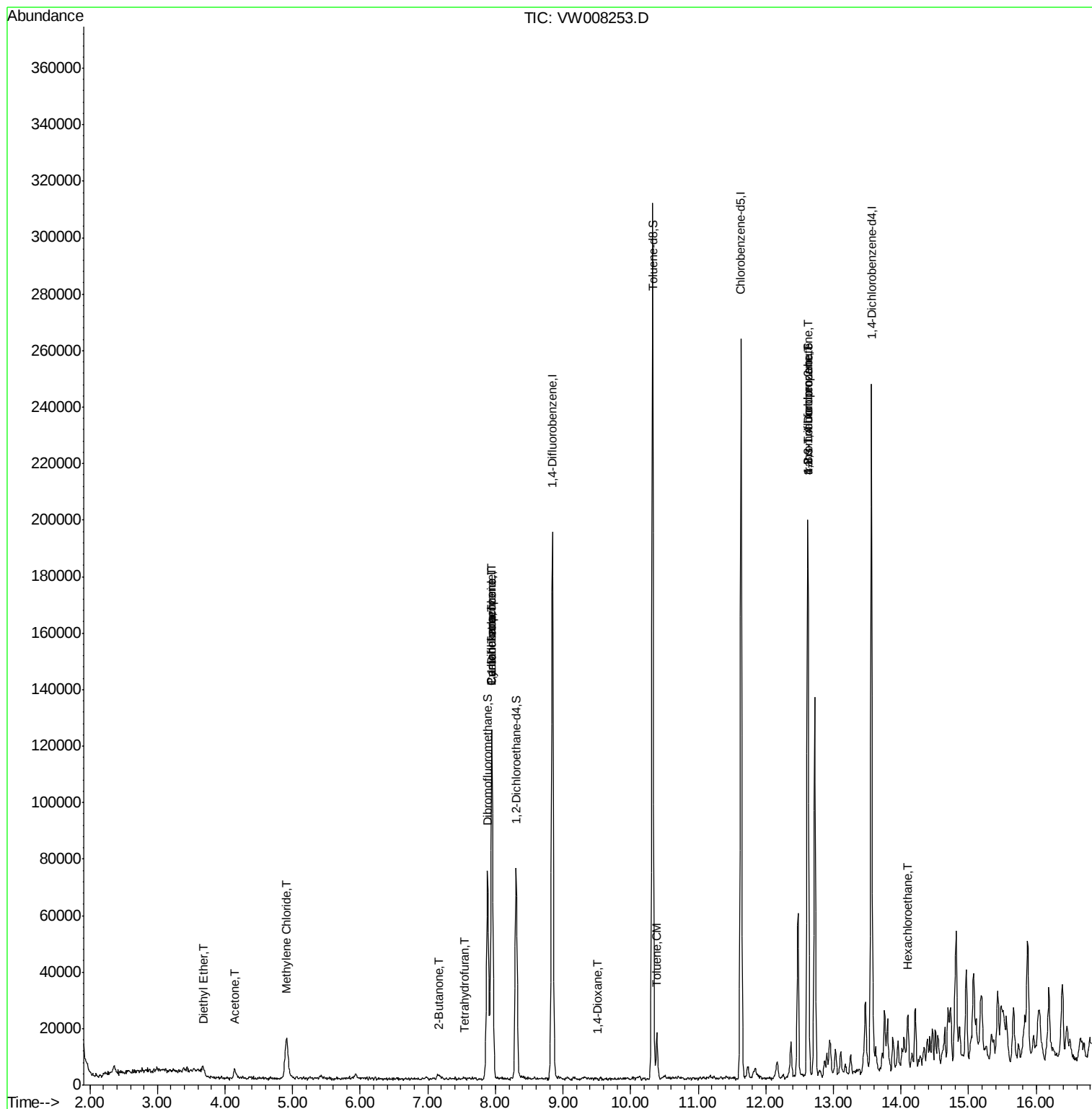
						Qvalue
8) Diethyl Ether	3.68	74	1580	2.754	ug/l	79
11) Tert butyl alcohol	5.23	59	64	Below Cal	#	100
13) Acrolein	3.88	56	98	Below Cal	#	14
16) Acetone	4.14	43	5176	7.880	ug/l	92
20) Methylene Chloride	4.91	84	11459	7.364	ug/l #	91
25) 2-Butanone	7.17	43	315	1.115	ug/l #	49
29) Tetrahydrofuran	7.54	42	309	1.638	ug/l #	75
31) Cyclohexane	7.94	56	2249	1.053	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	7774	4.643	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8884	5.797	ug/l #	18
49) 1,4-Dioxane	9.51	88	22	2.474	ug/l #	68
52) Toluene	10.39	92	6595	2.274	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	32329	58.430	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32329	136.066	ug/l #	11
90) Hexachloroethane	14.10	117	1135	1.533	ug/l #	17

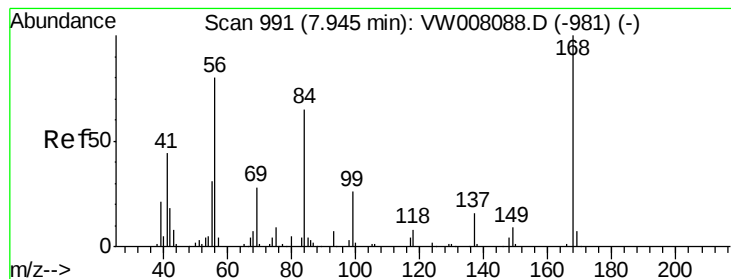
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008253.D

Acq: 14 Jan 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

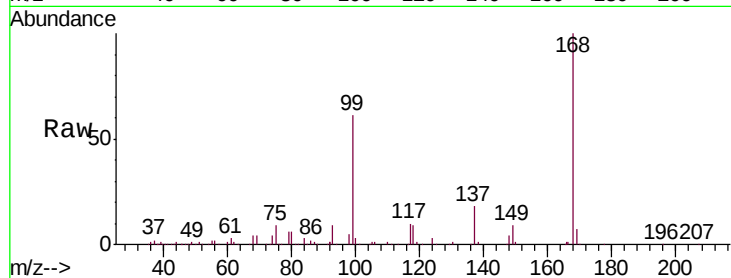
SU-02-011119-B

Tgt Ion:168 Resp: 90331

Ion Ratio Lower Upper

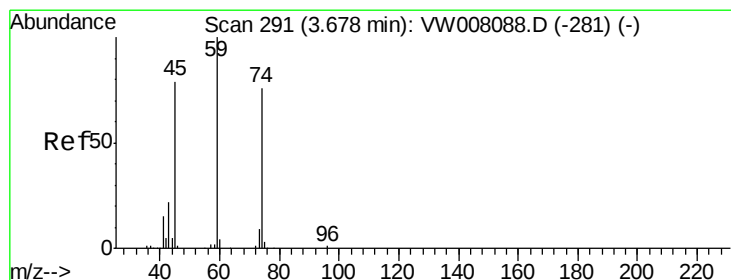
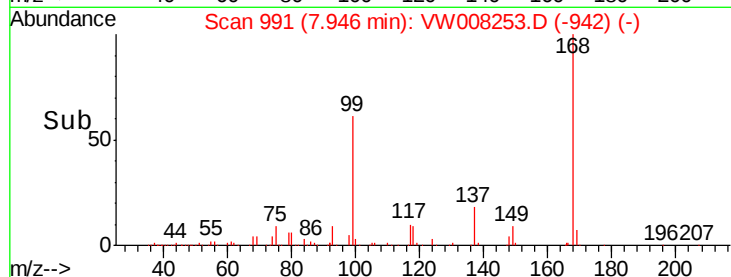
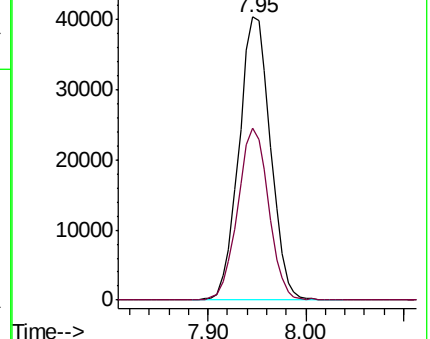
168 100

99 61.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.754 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008253.D

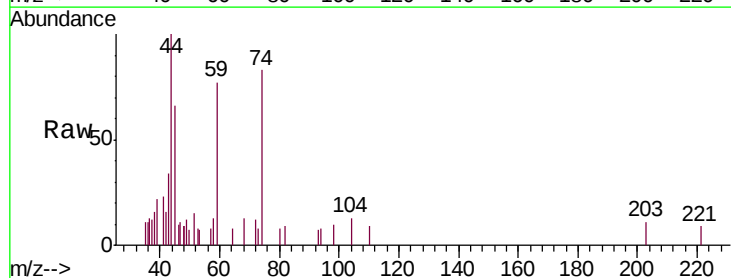
Acq: 14 Jan 2019 17:58

Tgt Ion: 74 Resp: 1580

Ion Ratio Lower Upper

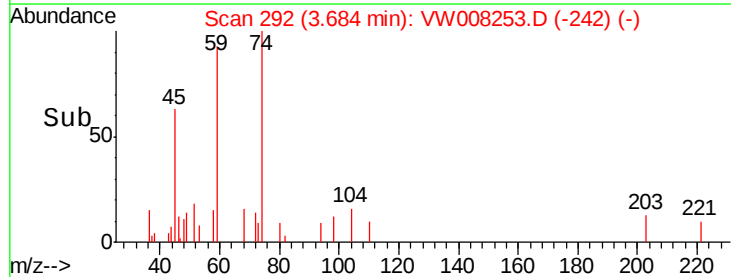
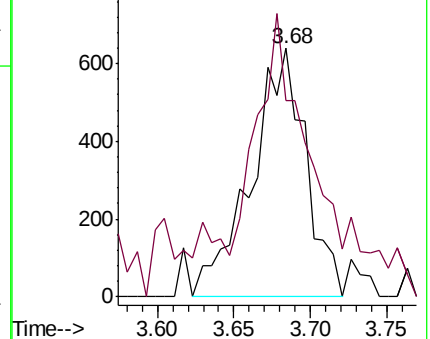
74 100

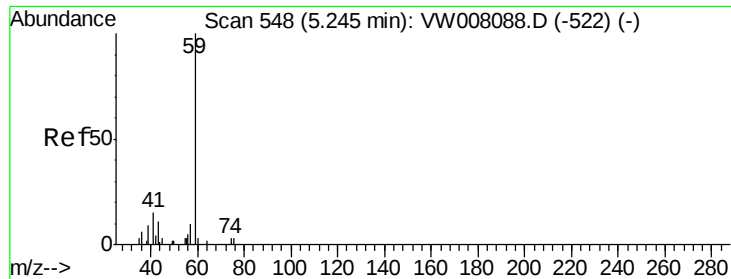
45 126.5 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

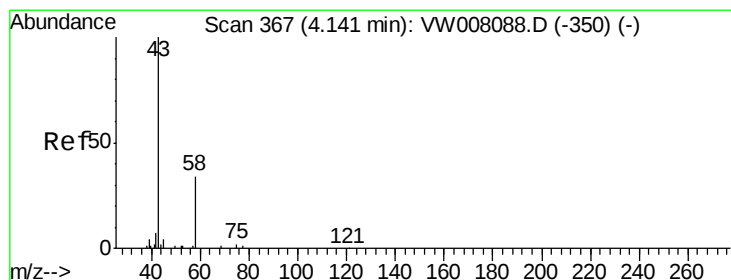
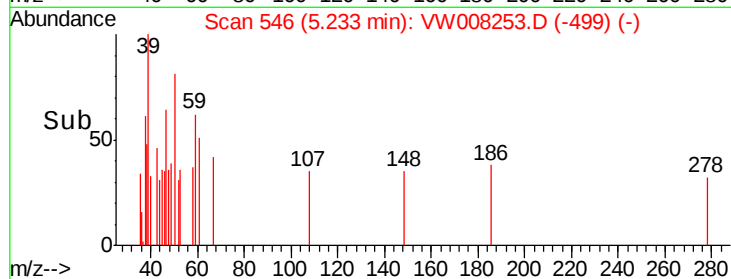
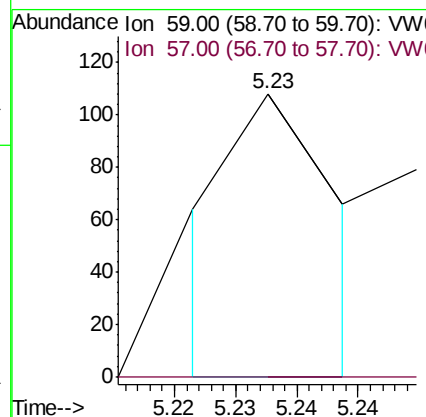
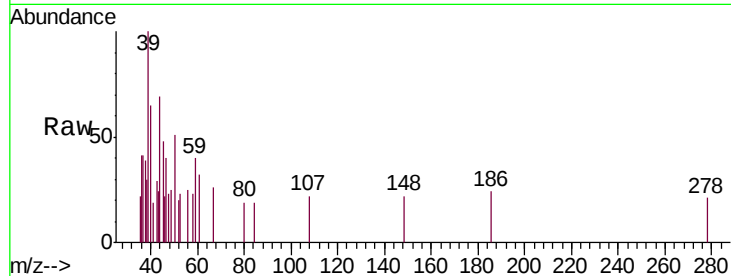




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

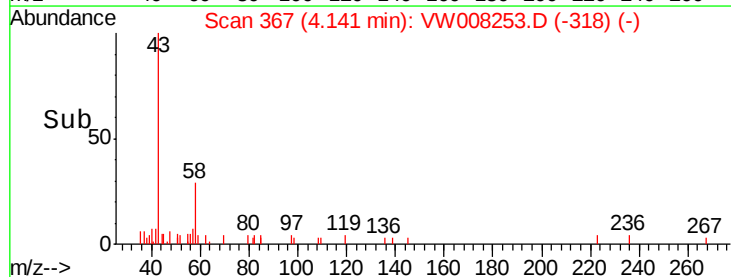
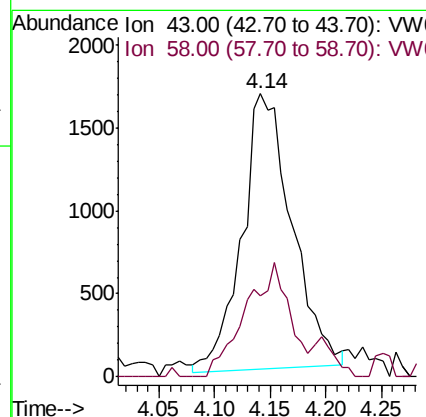
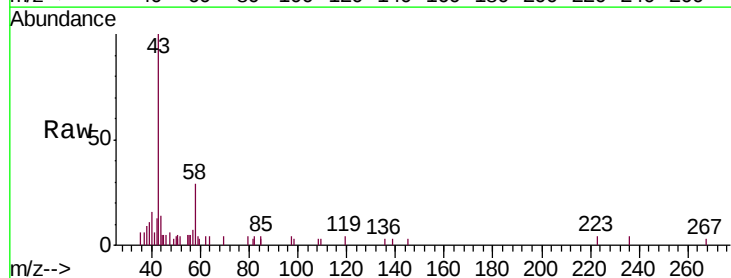
Instrument :
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SU-02-011119-B

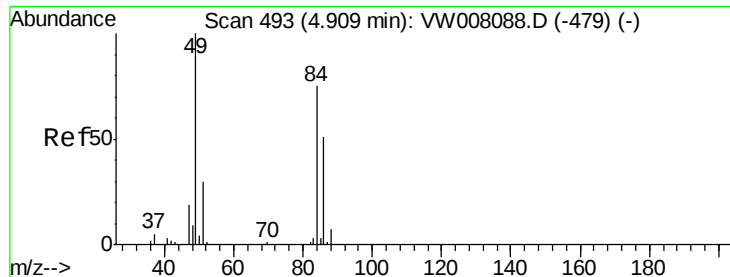
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 7.880 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
58 29.8 27.5 41.3

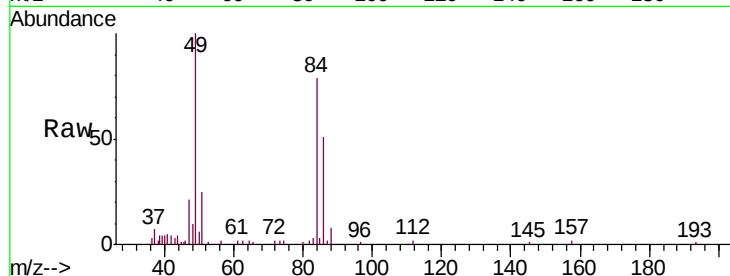




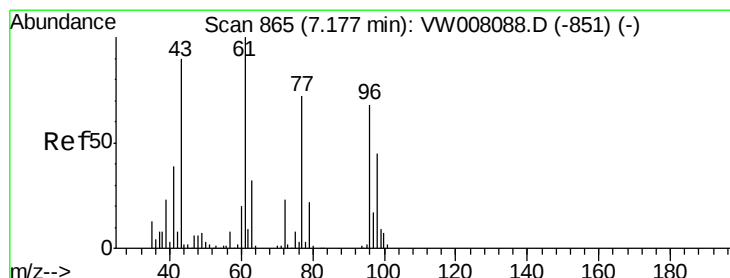
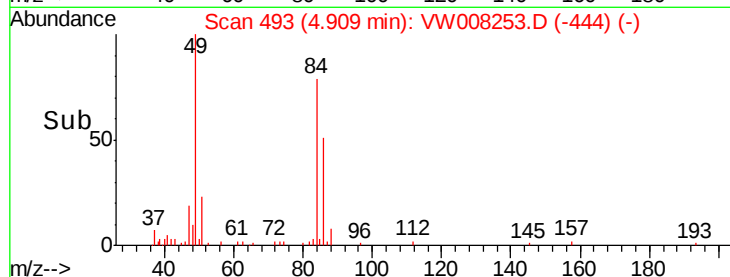
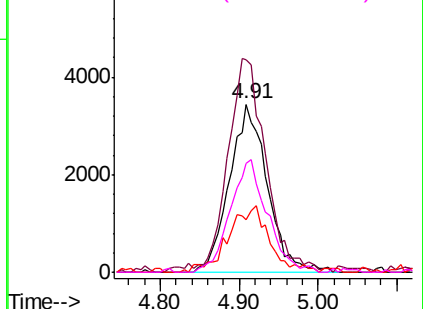
#20
Methylene Chloride
Concen: 7.364 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

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

Tgt Ion: 84 Resp: 11459
Ion Ratio Lower Upper
84 100
49 121.4 107.1 160.7
51 31.2 32.4 48.6#
86 65.0 54.2 81.4

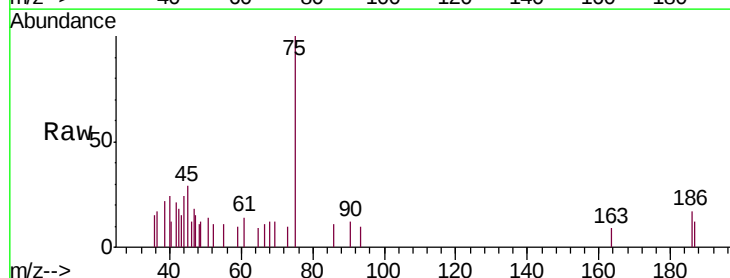


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

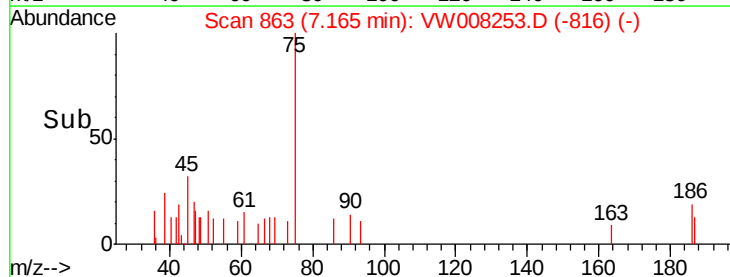
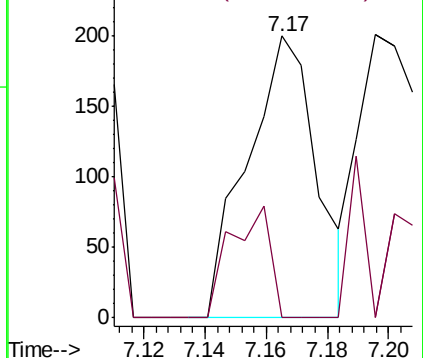


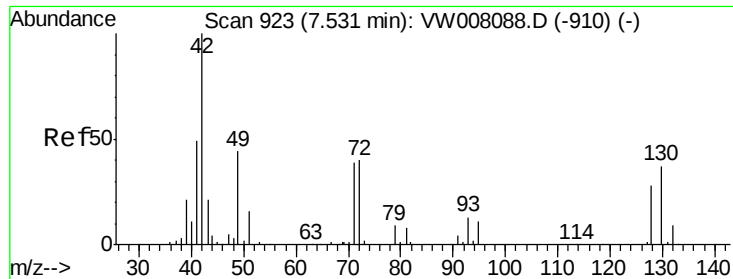
#25
2-Butanone
Concen: 1.115 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 43 Resp: 315
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

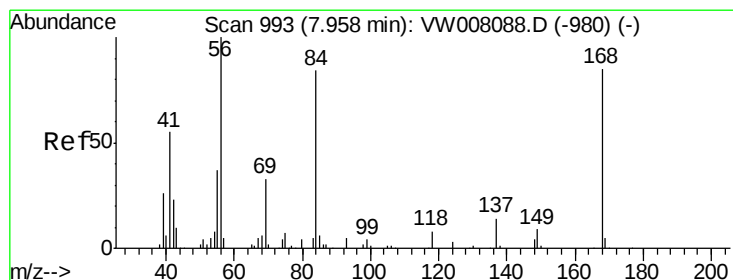
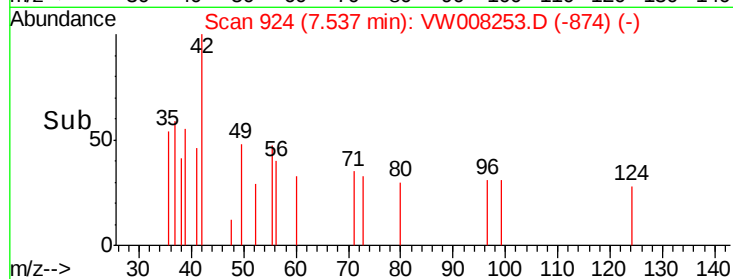
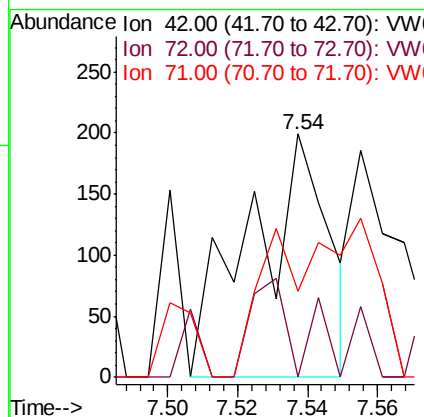
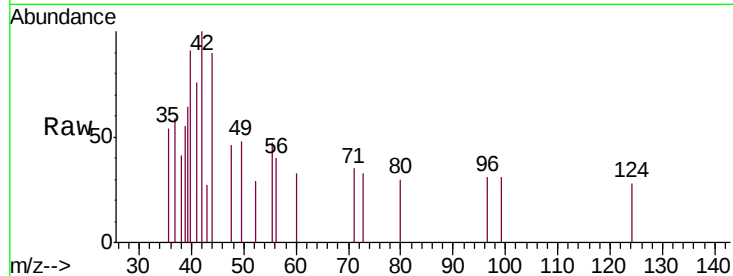




#29
Tetrahydrofuran
Concen: 1.638 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

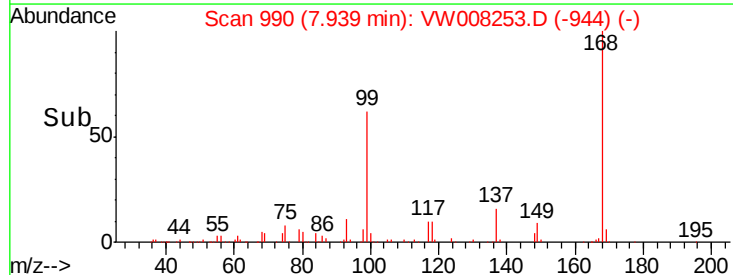
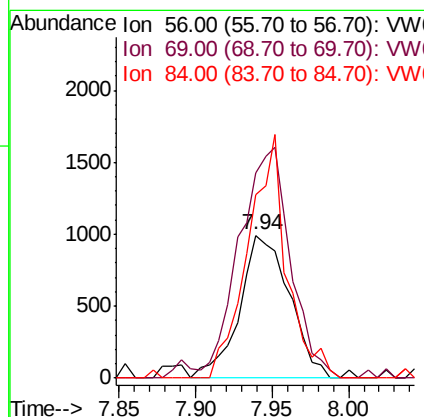
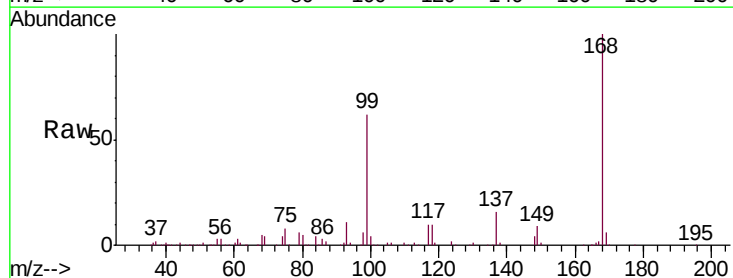
Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

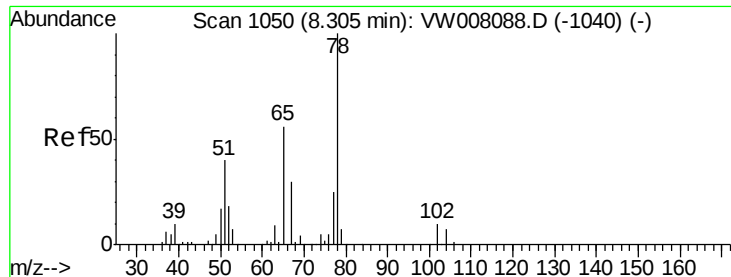
Tgt Ion: 42 Resp: 309
Ion Ratio Lower Upper
42 100
72 17.5 32.4 48.6#
71 31.1 31.3 46.9#



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 56 Resp: 2249
Ion Ratio Lower Upper
56 100
69 144.2 26.2 39.4#
84 129.1 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 52.783 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008253.D

Acq: 14 Jan 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

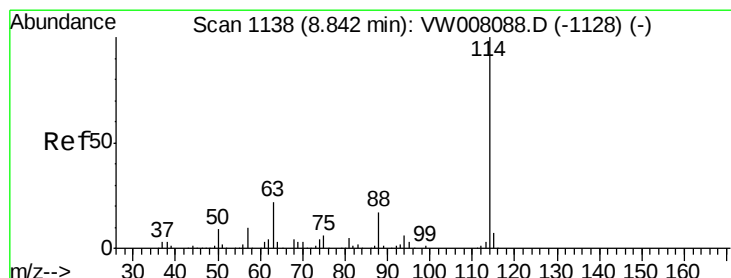
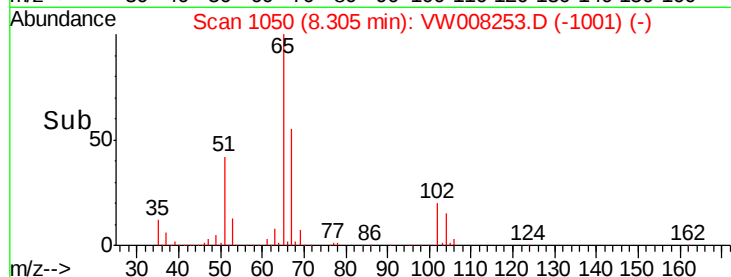
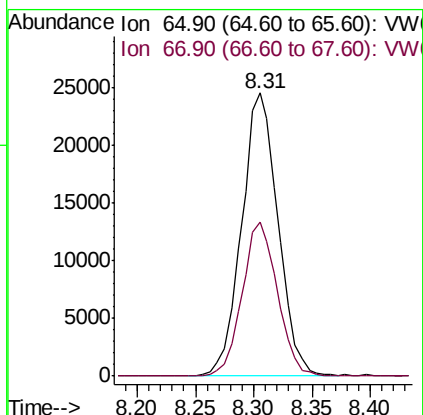
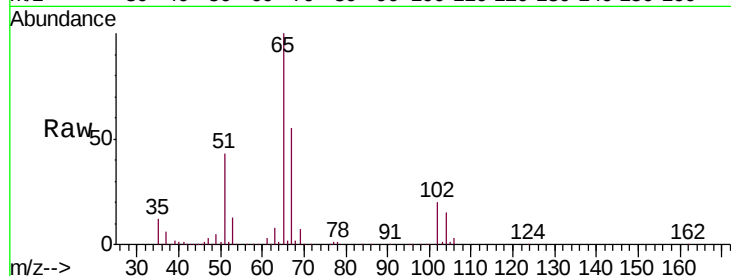
SU-02-011119-B

Tgt Ion: 65 Resp: 53588

Ion Ratio Lower Upper

65 100

67 52.9 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: VW008253.D

Acq: 14 Jan 2019 17:58

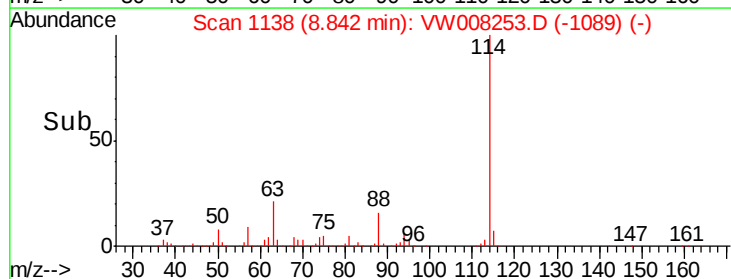
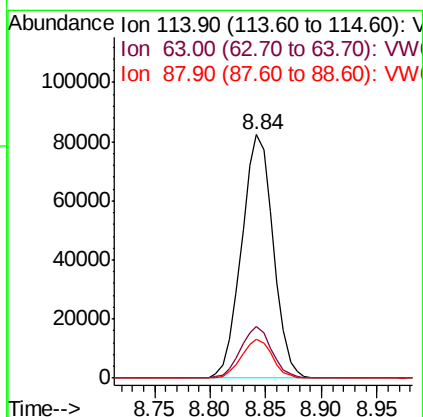
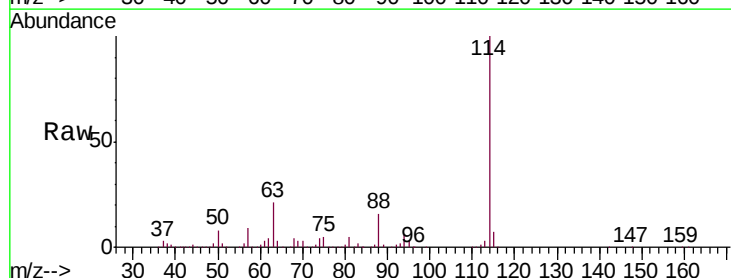
Tgt Ion: 114 Resp: 162533

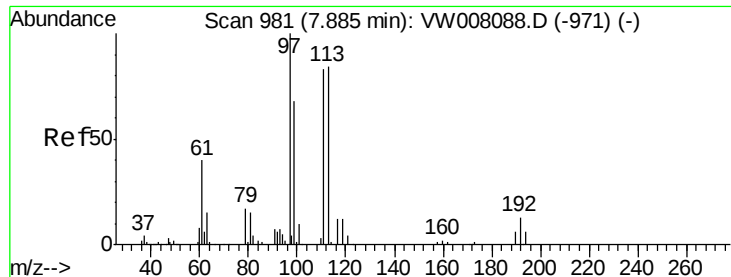
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.8 0.0 33.4

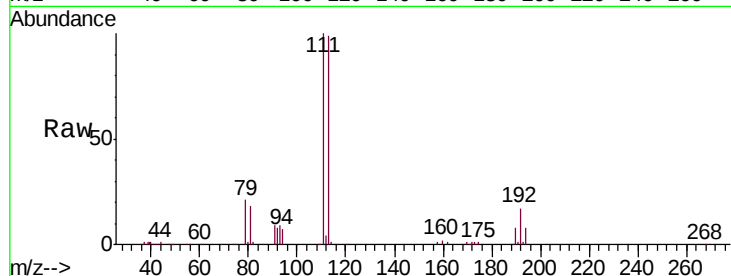




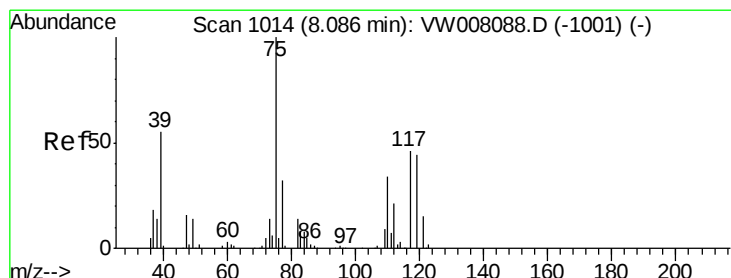
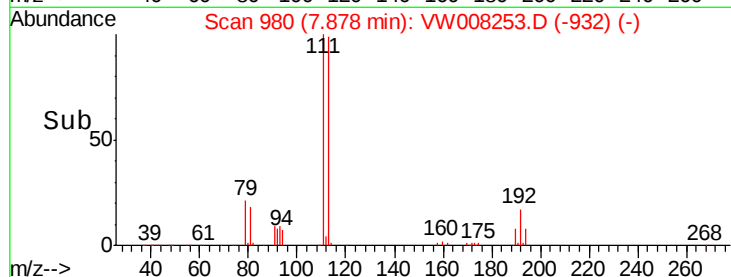
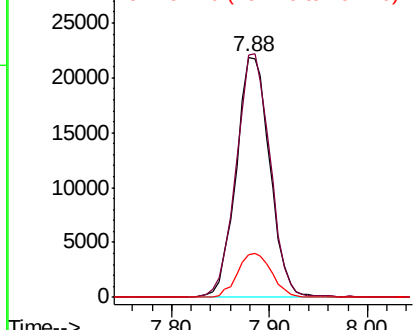
#35
 Dibromofluoromethane
 Concen: 55.046 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008253.D
 Acq: 14 Jan 2019 17:58

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

Tgt Ion:113 Resp: 52181
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 18.6 12.8 19.2

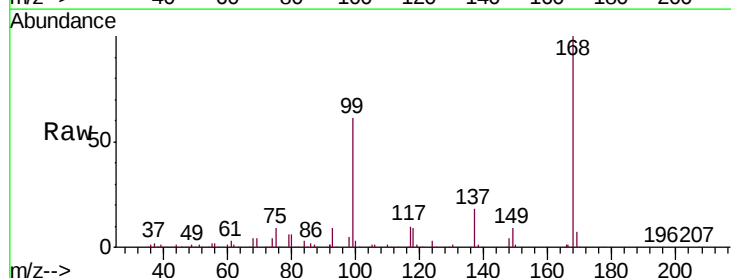


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

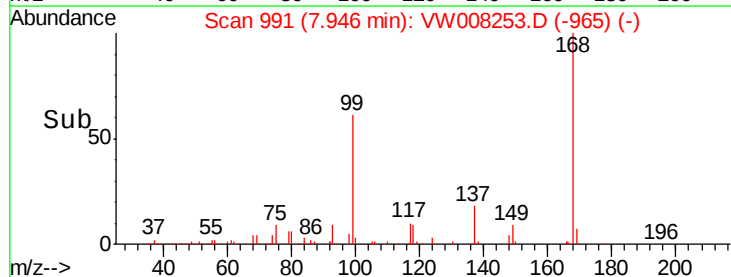
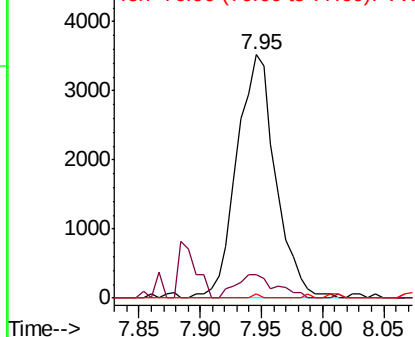


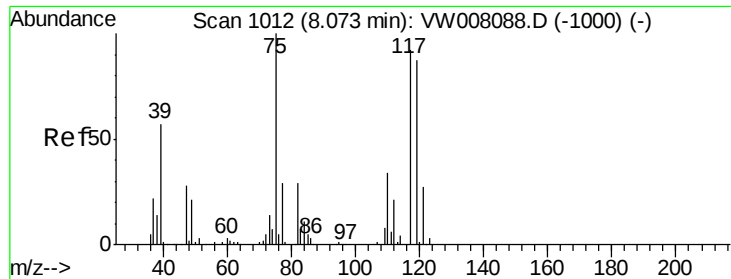
#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008253.D
 Acq: 14 Jan 2019 17:58

Tgt Ion: 75 Resp: 7774
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.1 51.3#
 77 0.3 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.797 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008253.D

Acq: 14 Jan 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-B

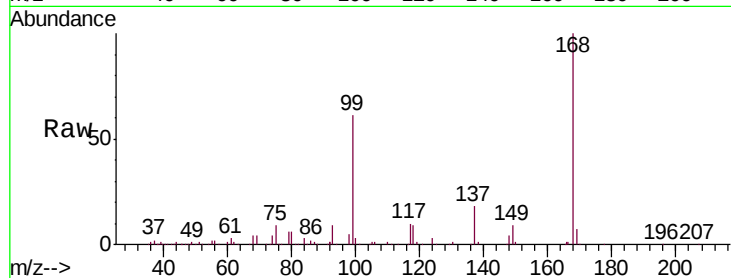
Tgt Ion:117 Resp: 8884

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

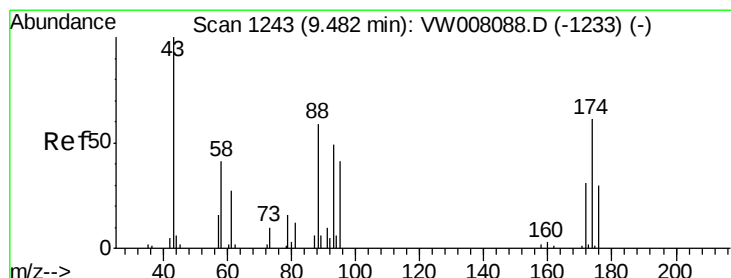
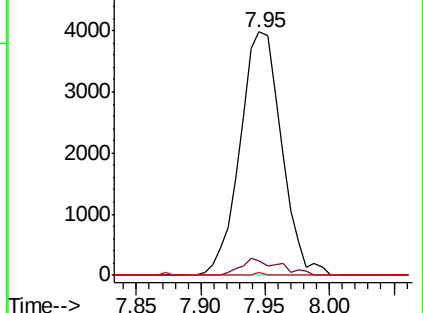
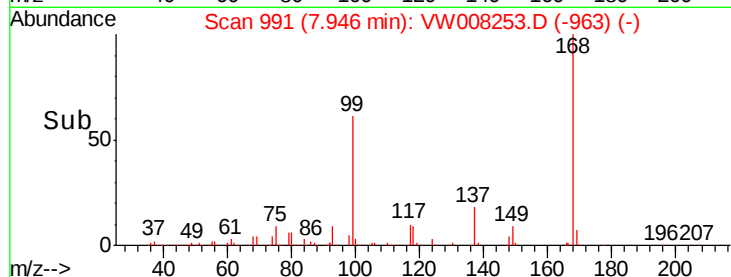
121 1.4 23.7 35.5#



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: 2.474 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VW008253.D

Acq: 14 Jan 2019 17:58

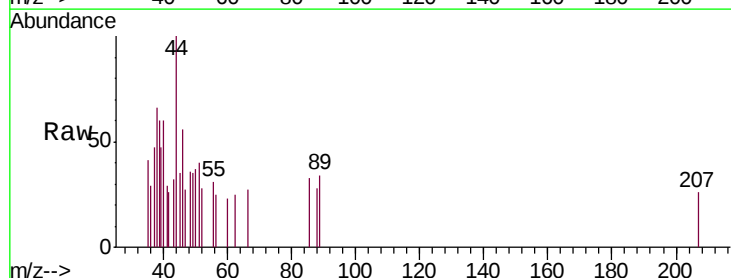
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 272.7 0.0 0.0#

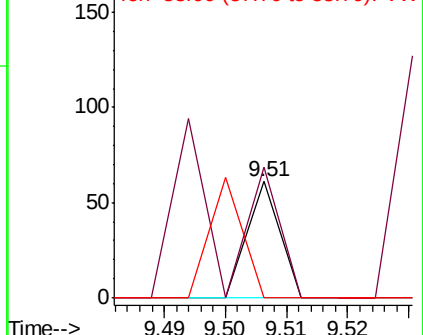
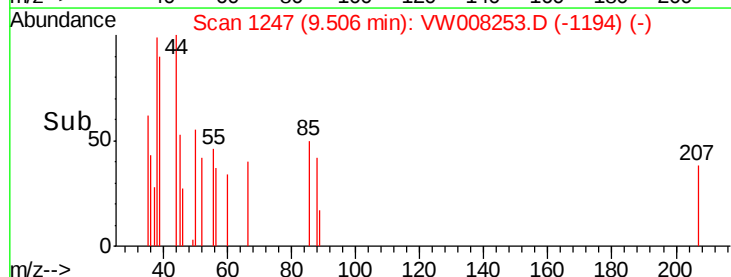
58 104.5 61.7 92.5#

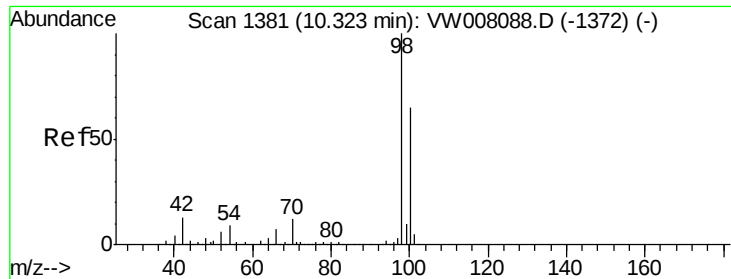


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

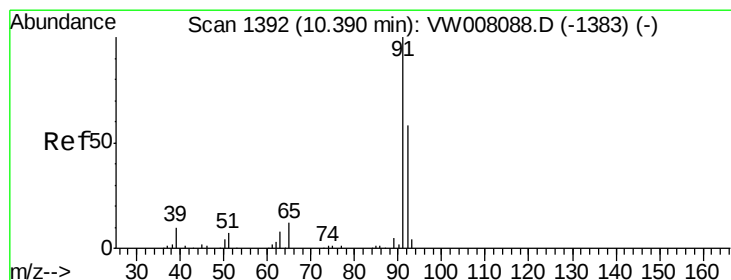
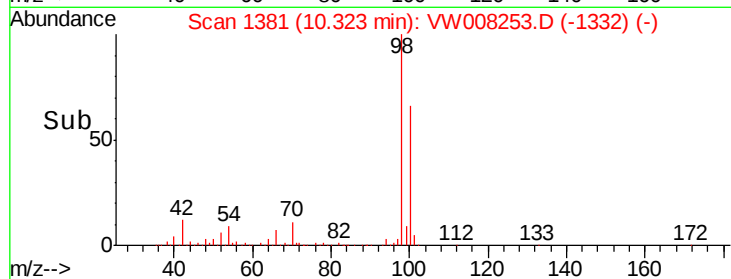
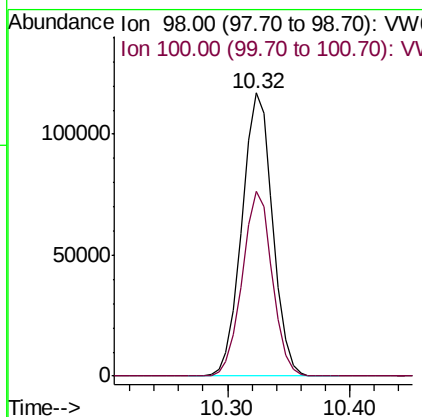
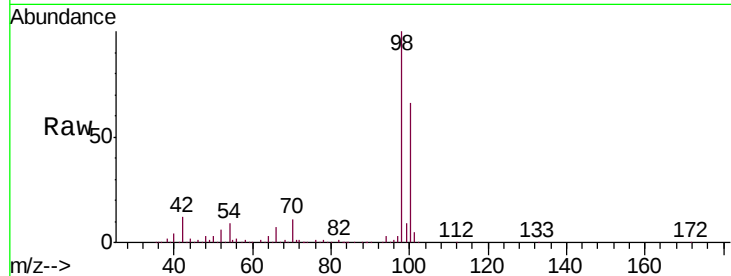




#50
Toluene-d8
Concen: 51.070 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

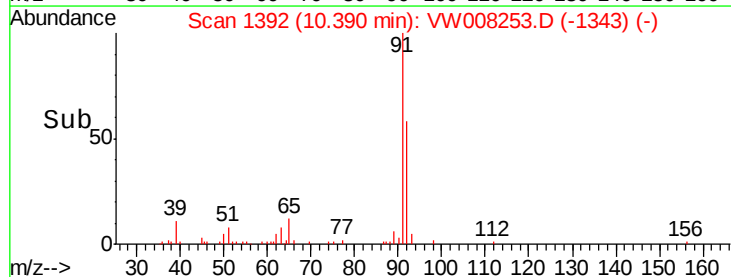
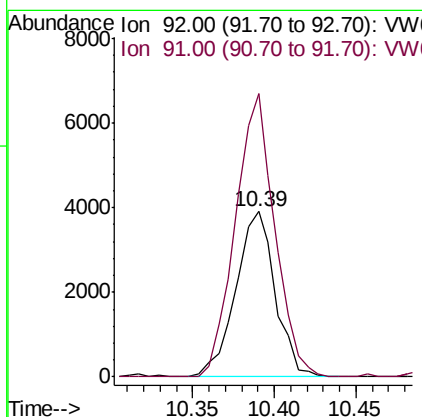
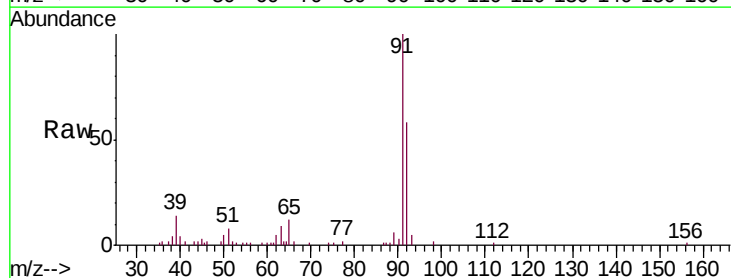
Instrument :
MSVOA_W
ClientSampled :
SU-02-011119-B

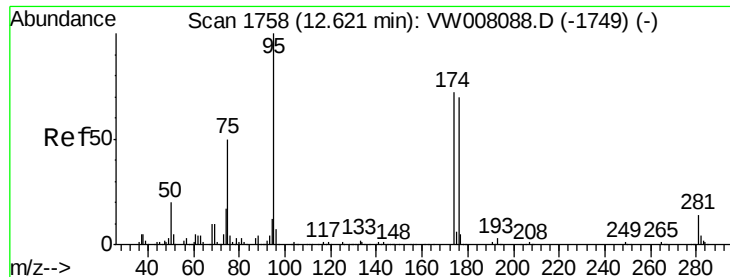
Tgt Ion: 98 Resp: 203155
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#52
Toluene
Concen: 2.274 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 92 Resp: 6595
Ion Ratio Lower Upper
92 100
91 170.7 137.0 205.4

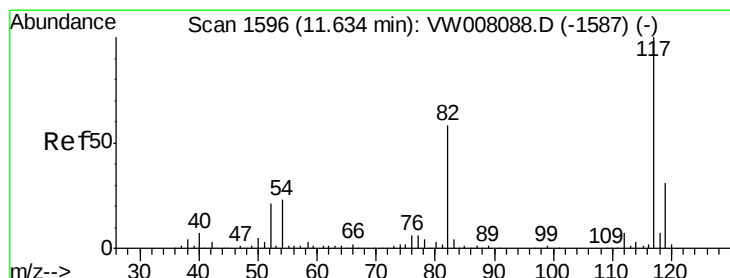
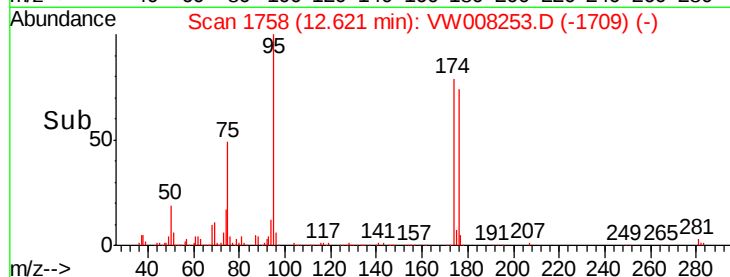
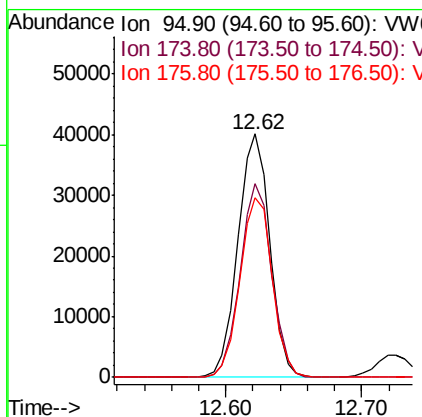
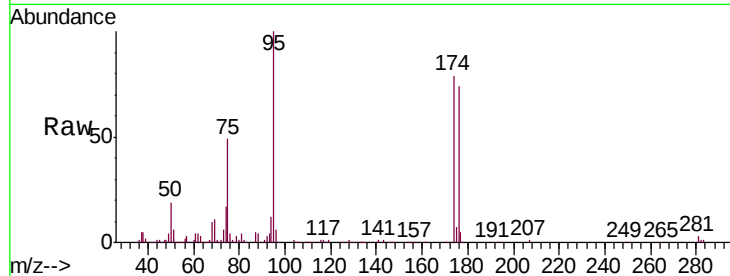




#62
4-Bromofluorobenzene
Concen: 45.842 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

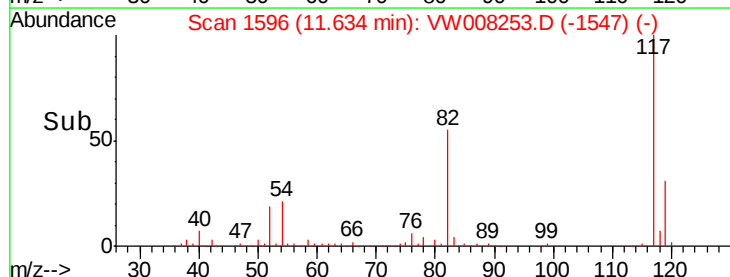
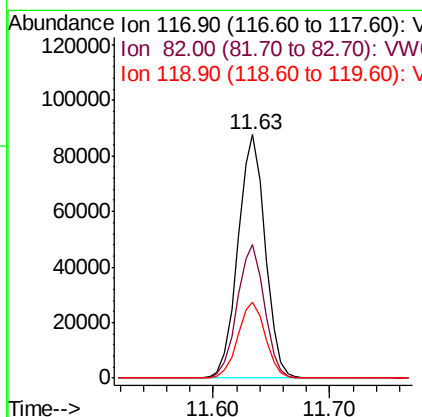
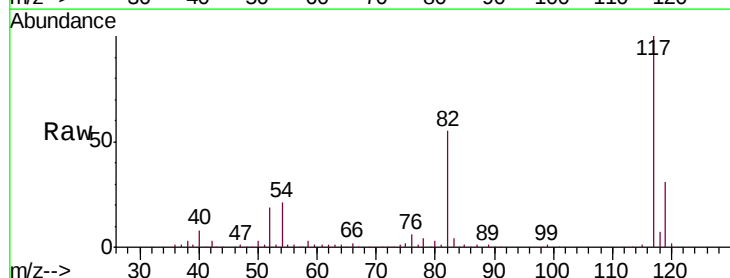
Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

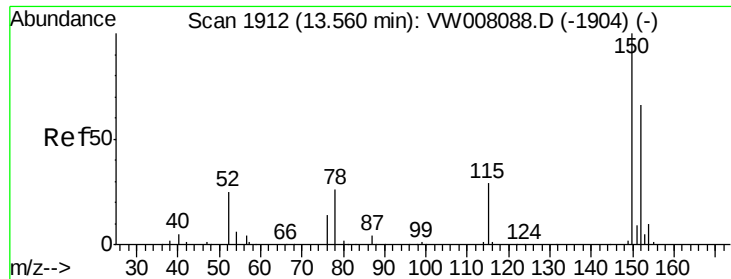
Tgt Ion: 95 Resp: 65376
Ion Ratio Lower Upper
95 100
174 78.8 0.0 143.0
176 75.1 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 117 Resp: 142840
Ion Ratio Lower Upper
117 100
82 54.7 46.4 69.6
119 31.4 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: VW008253.D

Acq: 14 Jan 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

SU-02-011119-B

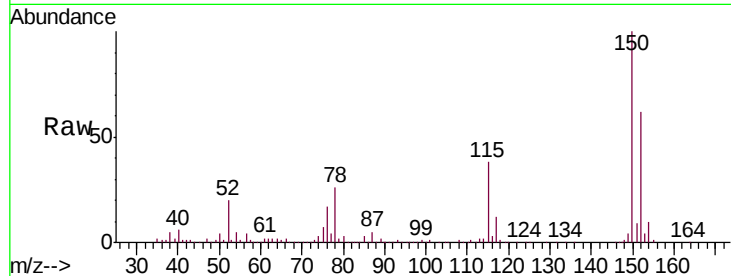
Tgt Ion:152 Resp: 60694

Ion Ratio Lower Upper

152 100

115 60.0 30.8 92.4

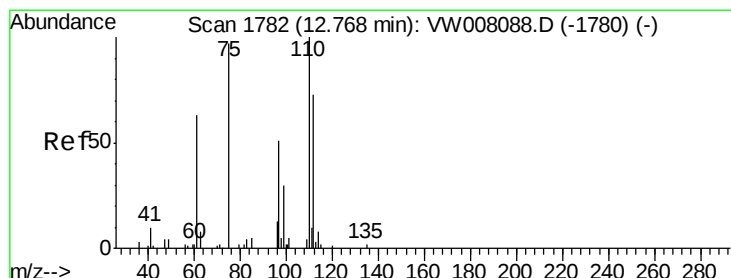
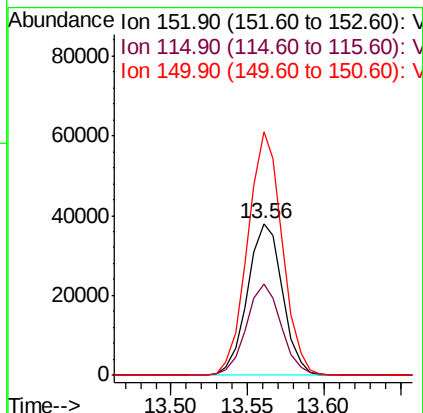
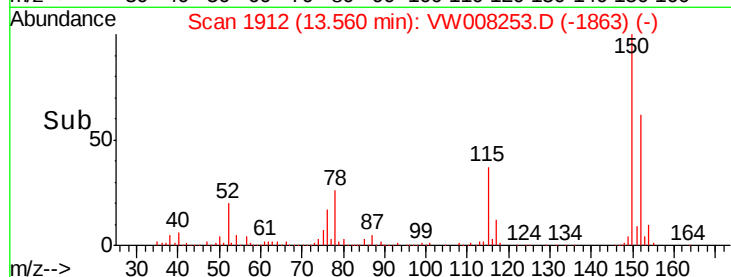
150 158.0 0.0 350.2



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: 58.430 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008253.D

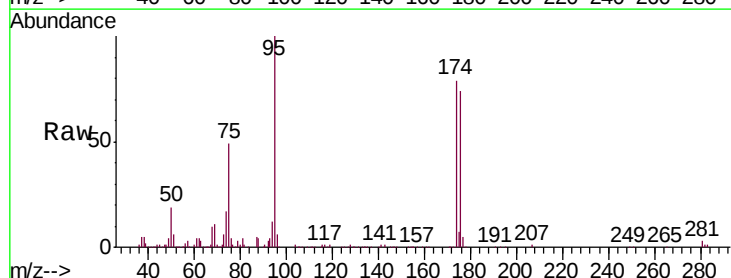
Acq: 14 Jan 2019 17:58

Tgt Ion: 75 Resp: 32329

Ion Ratio Lower Upper

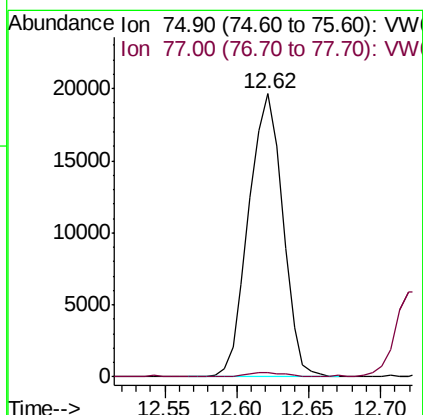
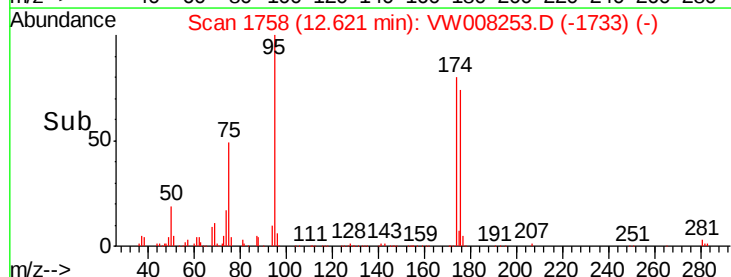
75 100

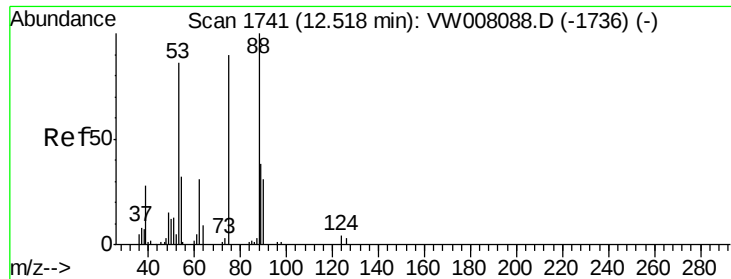
77 2.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

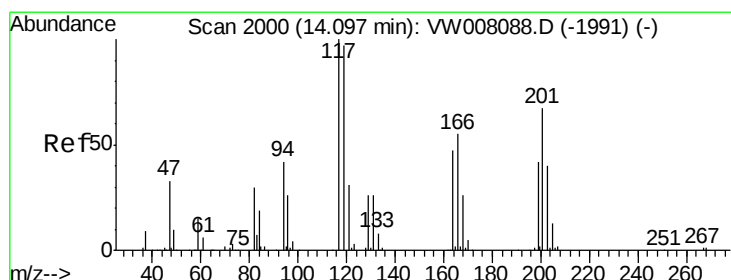
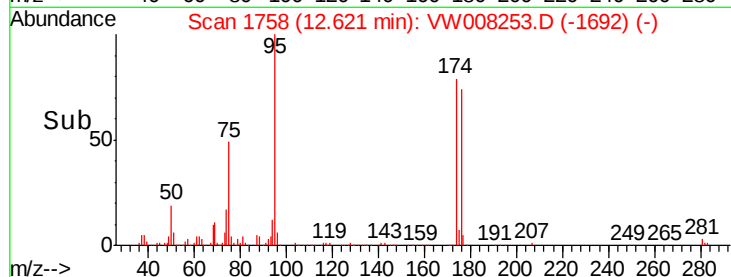
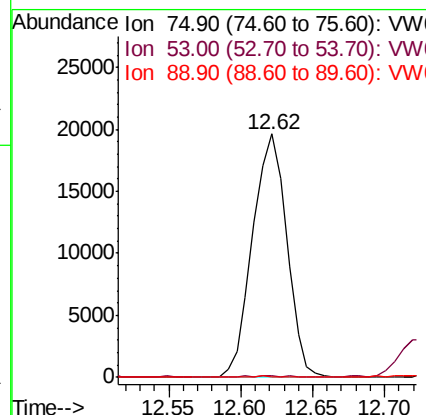
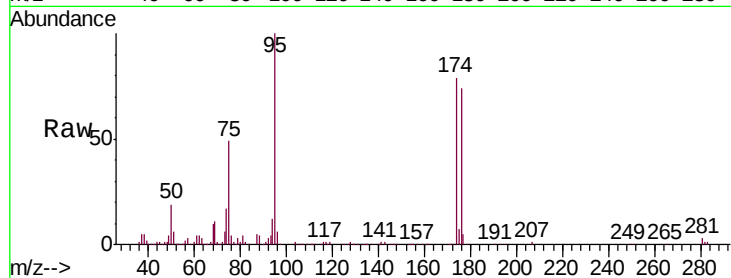




#81
trans-1,4-Dichloro-2-butene
Concen: 136.066 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

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

Tgt Ion: 75 Resp: 32329
Ion Ratio Lower Upper
75 100
53 0.7 78.8 118.2#
89 0.2 35.4 53.2#



#90
Hexachloroethane
Concen: 1.533 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008253.D
Acq: 14 Jan 2019 17:58

Tgt Ion: 117 Resp: 1135
Ion Ratio Lower Upper
117 100
201 0.0 33.0 98.9#

