

Data File : VW012186.D
Acq On : 26 Aug 2019 22:06
Operator : SY/VA
Sample : K4472-01
Misc : 4.35G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(0)

Quant Time: Aug 27 05:00:13 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	215277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137950	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	108641	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.32	98	431653	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	133041	43.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.16%	

Target Compounds

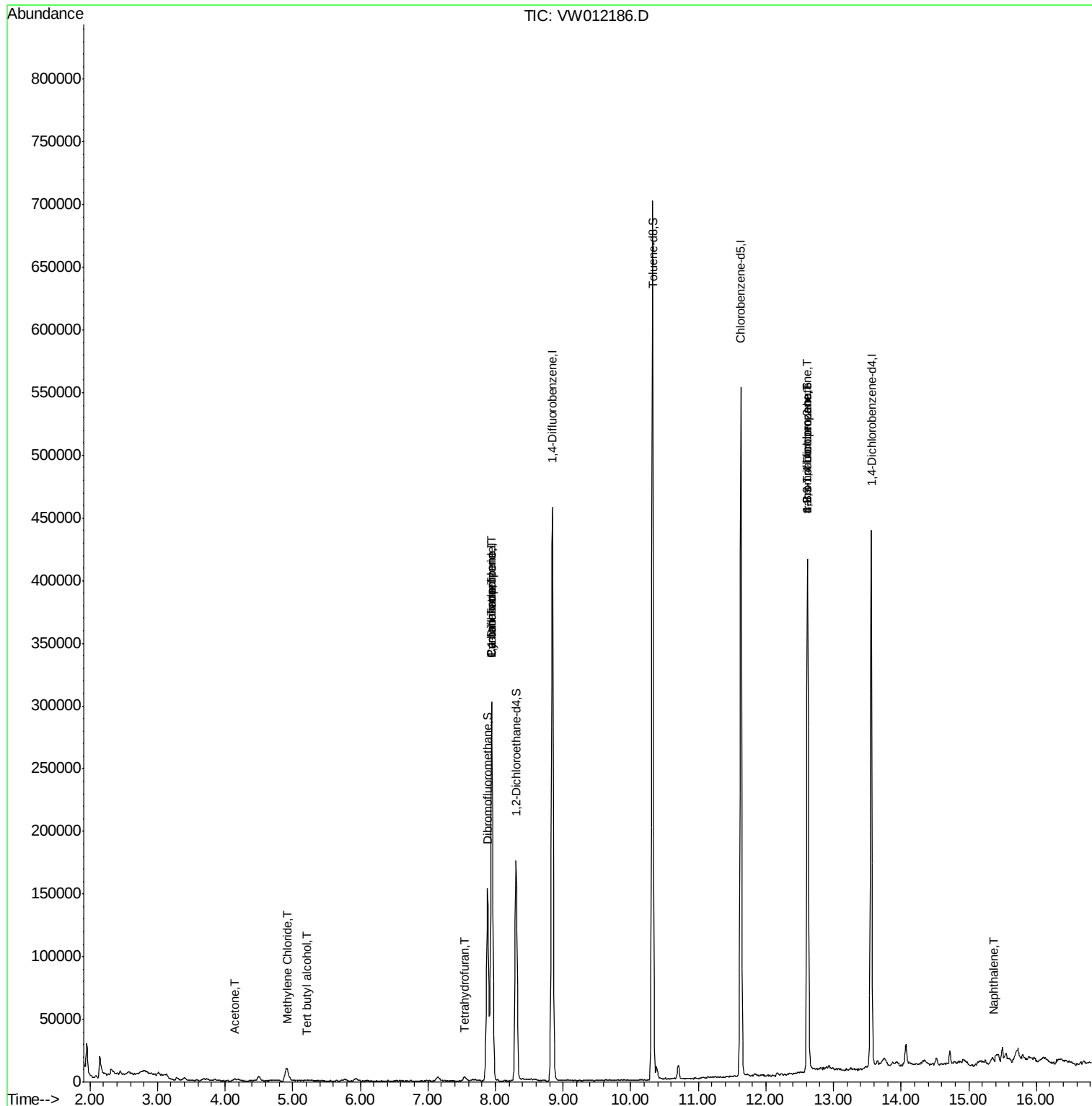
						Qvalue
11) Tert butyl alcohol	5.21	59	804	5.221	ug/l #	92
16) Acetone	4.15	43	2337	3.572	ug/l #	80
20) Methylene Chloride	4.92	84	7834	3.168	ug/l	91
29) Tetrahydrofuran	7.54	42	2741	5.139	ug/l	93
31) Cyclohexane	7.95	56	5818	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18878	5.105	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21244	6.637	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	71578	69.187	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71578	151.694	ug/l #	6
95) Naphthalene	15.37	128	424	4.418	ug/l #	63

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

Data File : VW012186.D
Acq On : 26 Aug 2019 22:06
Operator : SY/VA
Sample : K4472-01
Misc : 4.35G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(0)

Quant Time: Aug 27 05:00:13 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: VW012186.D

Acq: 26 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

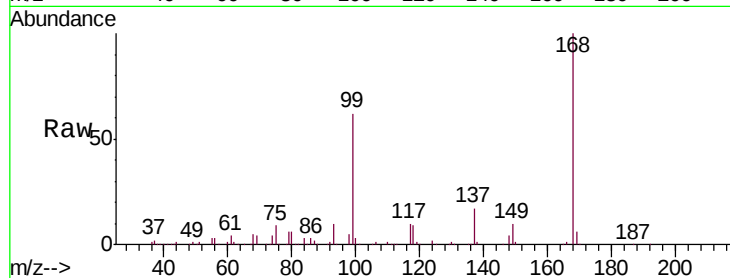
T1-S1-(0)

Tgt Ion:168 Resp: 215277

Ion Ratio Lower Upper

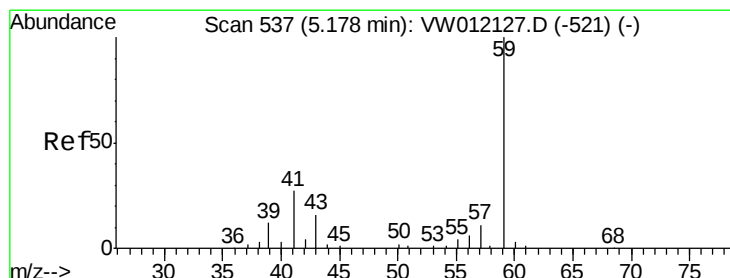
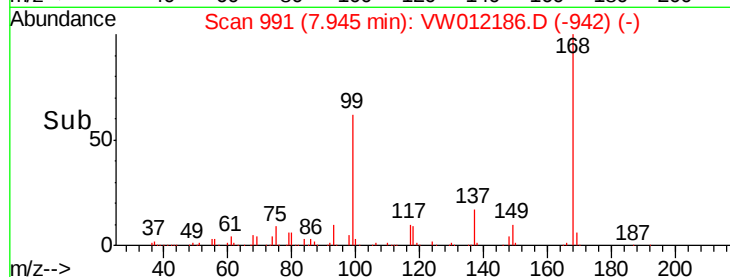
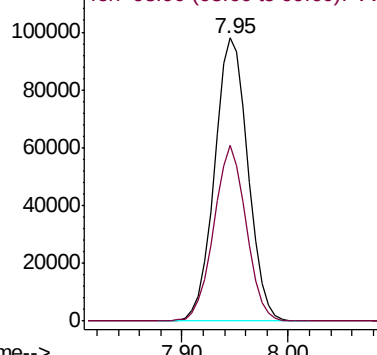
168 100

99 62.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.221 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012186.D

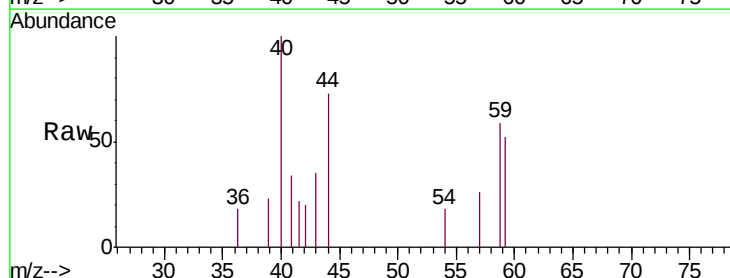
Acq: 26 Aug 2019 22:06

Tgt Ion: 59 Resp: 804

Ion Ratio Lower Upper

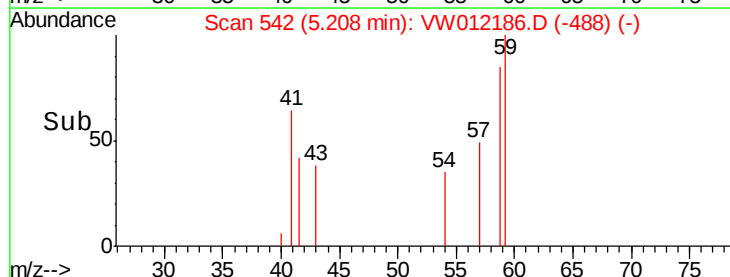
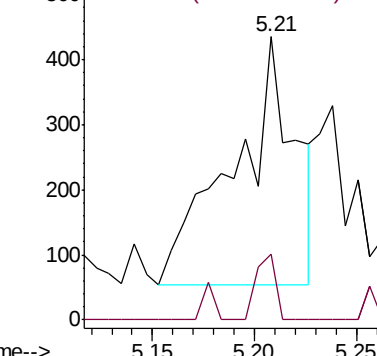
59 100

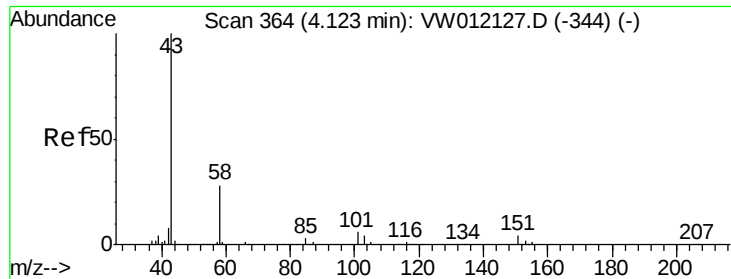
57 8.3 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

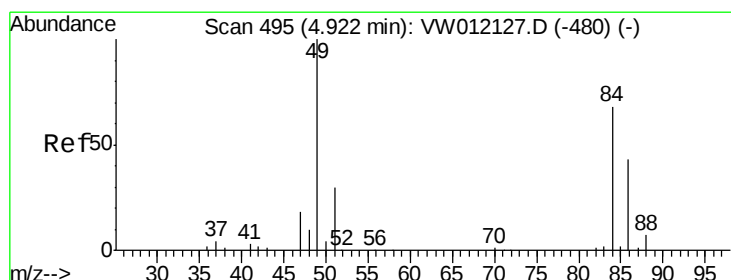
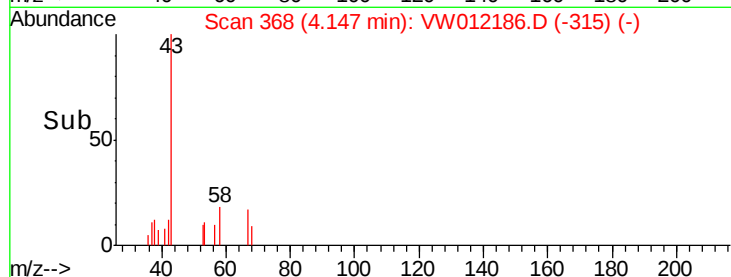
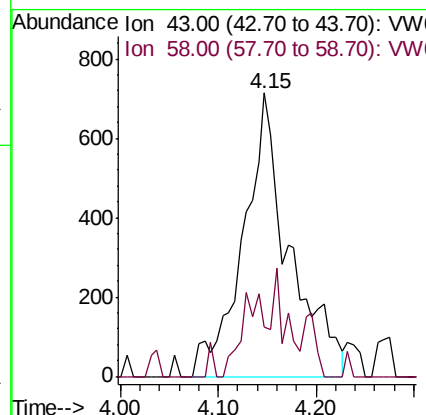
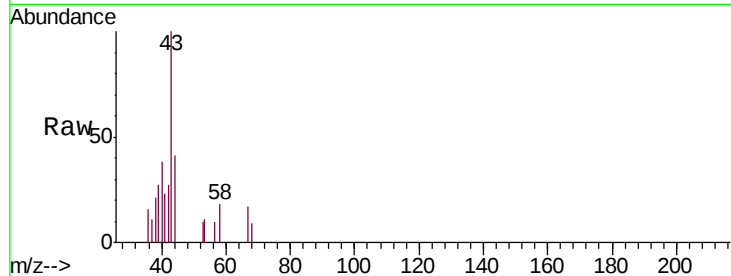




#16
Acetone
Concen: 3.572 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012186.D
Acq: 26 Aug 2019 22:06

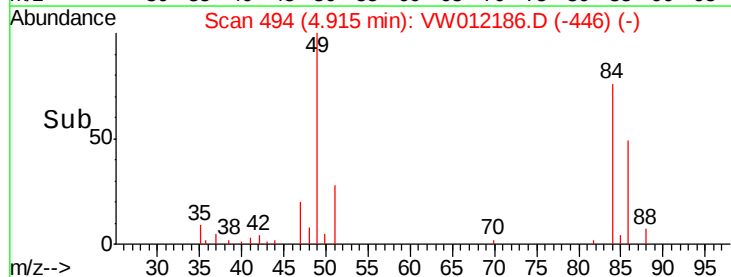
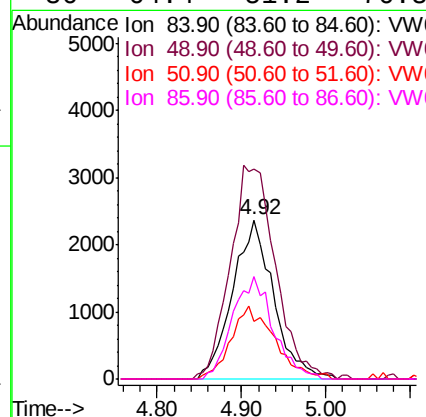
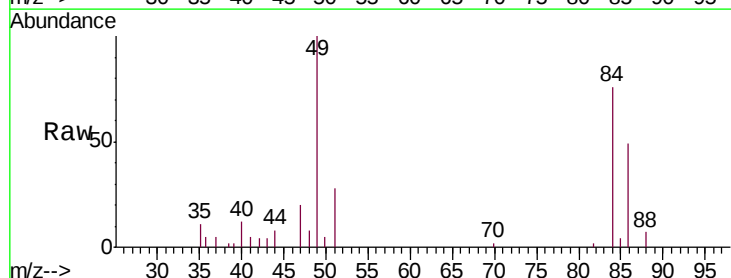
Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(0)

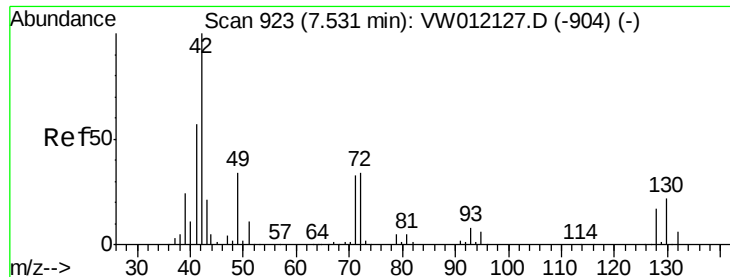
Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
58 17.5 22.4 33.6#



#20
Methylene Chloride
Concen: 3.168 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012186.D
Acq: 26 Aug 2019 22:06

Tgt Ion: 84 Resp: 7834
Ion Ratio Lower Upper
84 100
49 132.3 117.8 176.8
51 36.6 35.6 53.4
86 64.4 51.2 76.8





#29

Tetrahydrofuran

Concen: 5.139 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

T1-S1-(0)

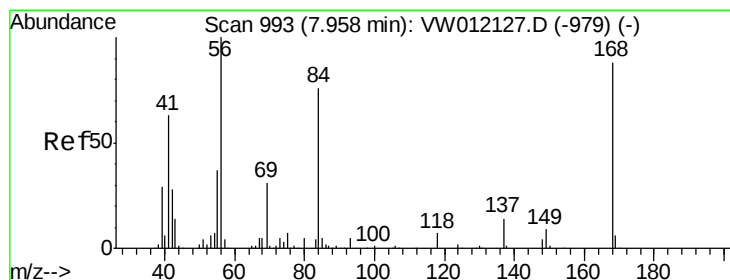
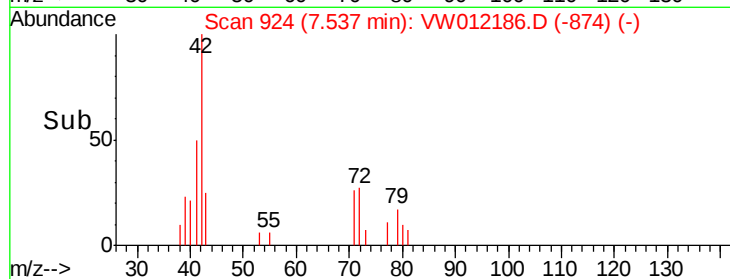
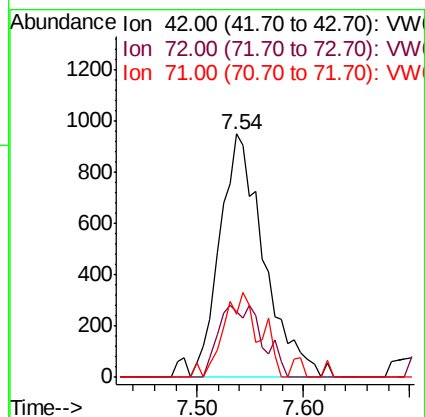
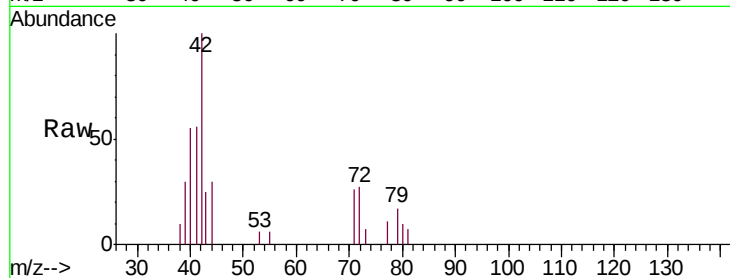
Tgt Ion: 42 Resp: 2741

Ion Ratio Lower Upper

42 100

72 29.3 27.3 40.9

71 28.9 25.5 38.3



#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

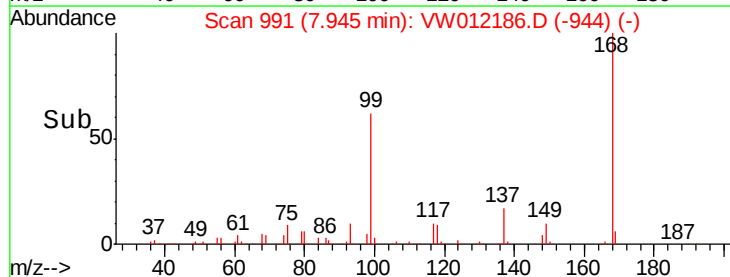
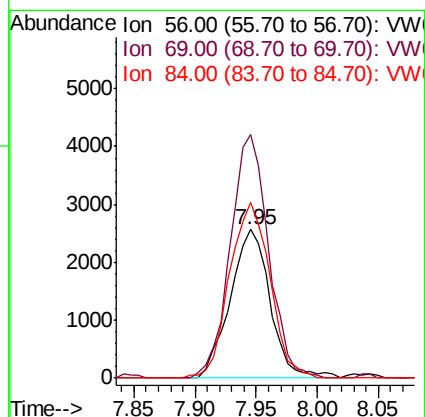
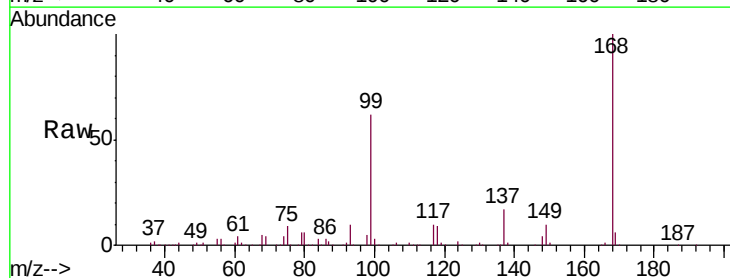
Tgt Ion: 56 Resp: 5818

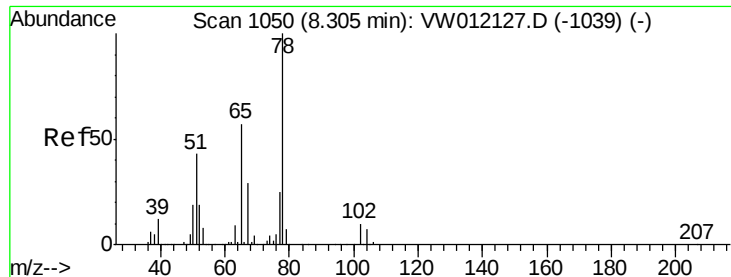
Ion Ratio Lower Upper

56 100

69 164.0 24.9 37.3#

84 118.3 60.6 90.8#

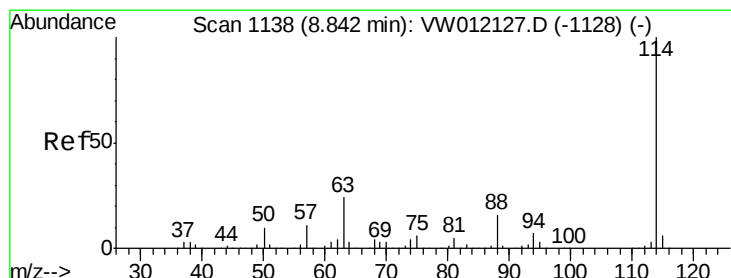
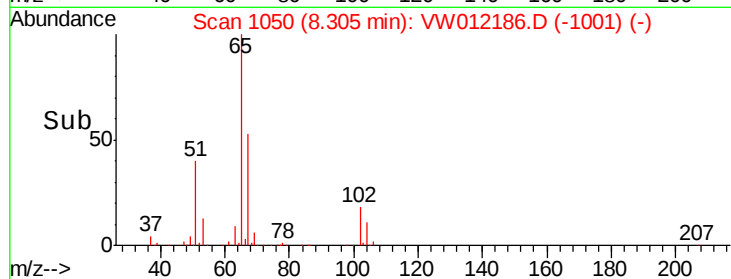
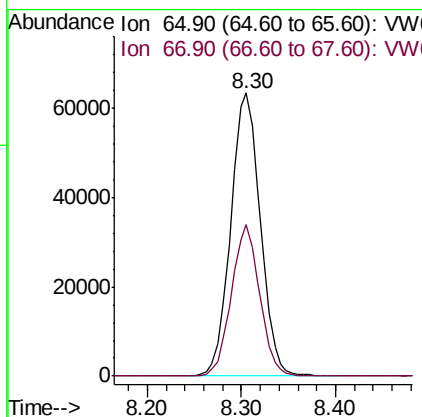
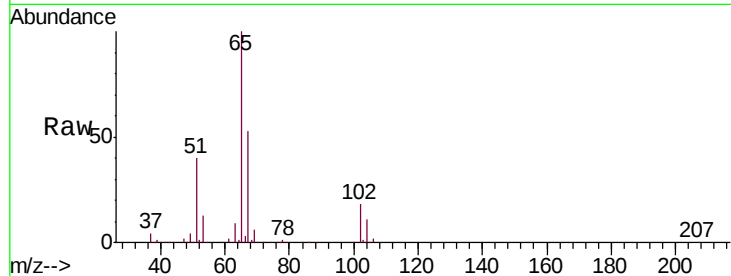




#33
 1,2-Dichloroethane-d4
 Concen: 53.905 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012186.D
 Acq: 26 Aug 2019 22:06

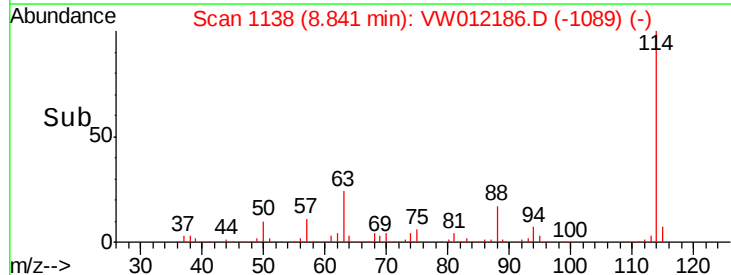
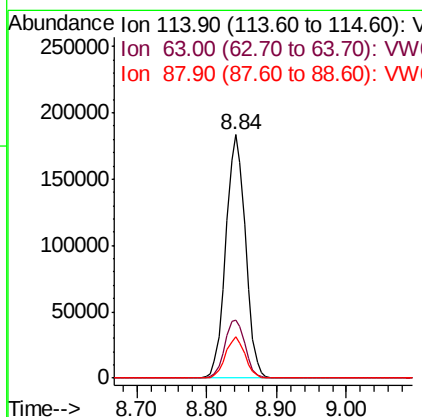
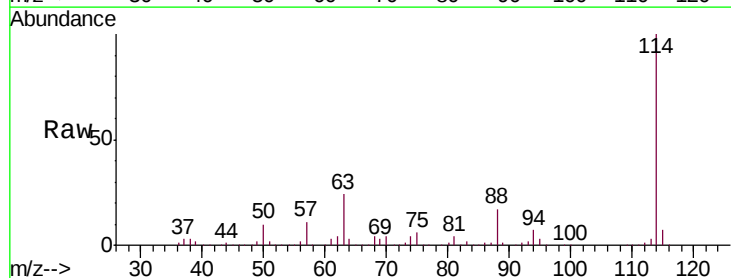
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S1-(0)

Tgt Ion: 65 Resp: 137950
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012186.D
 Acq: 26 Aug 2019 22:06

Tgt Ion: 114 Resp: 357849
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.862 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampled :

T1-S1-(0)

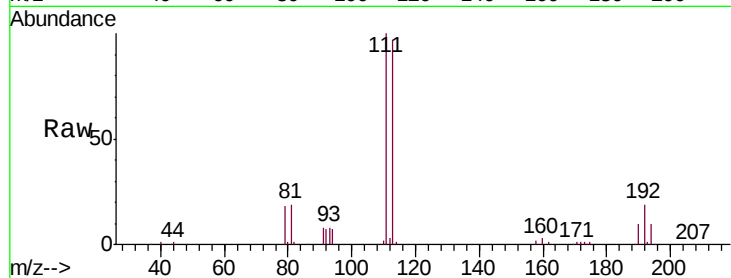
Tgt Ion:113 Resp: 108641

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

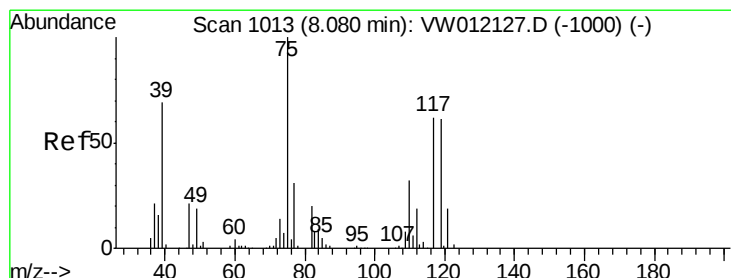
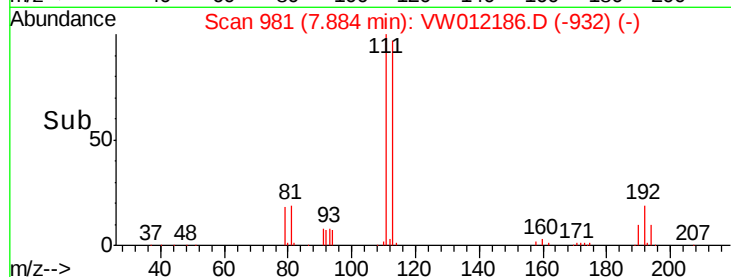
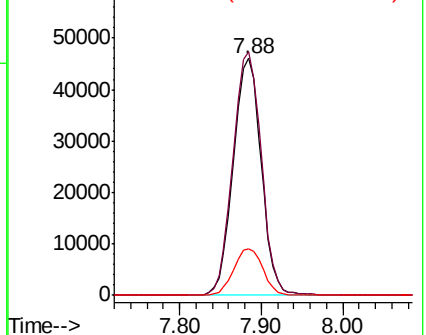
192 20.5 16.2 24.2



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: 5.105 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

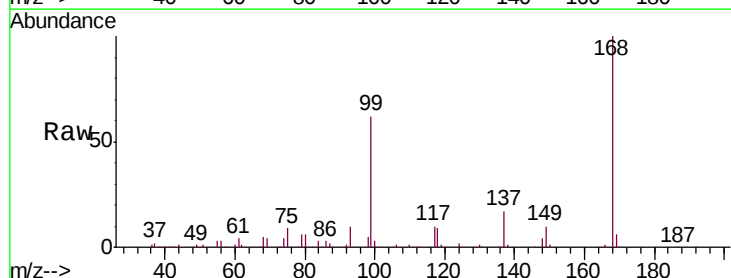
Tgt Ion: 75 Resp: 18878

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

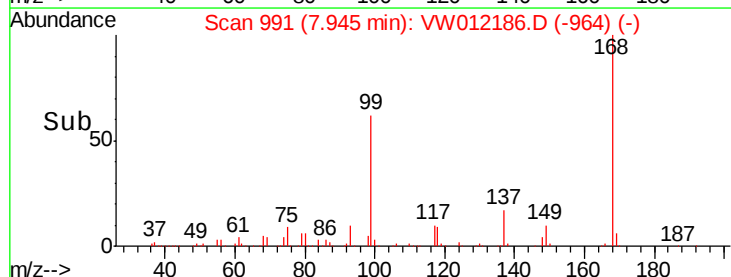
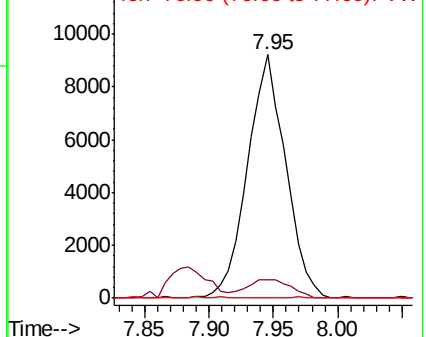
77 0.0 24.6 36.8#

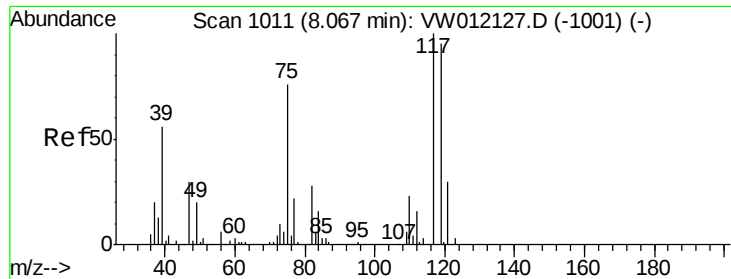


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

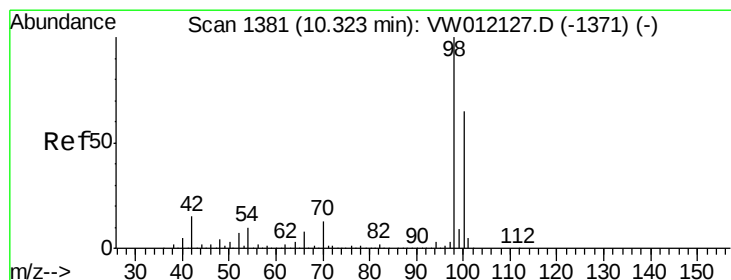
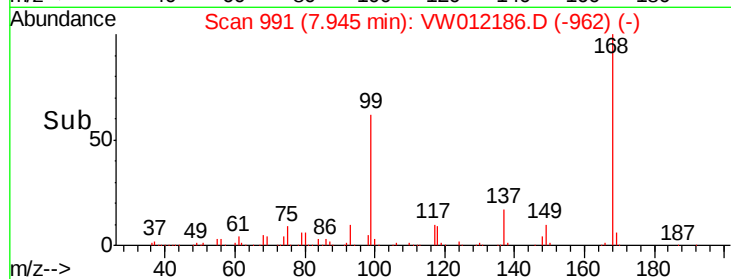
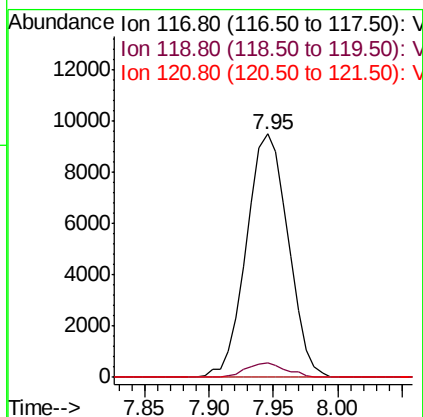
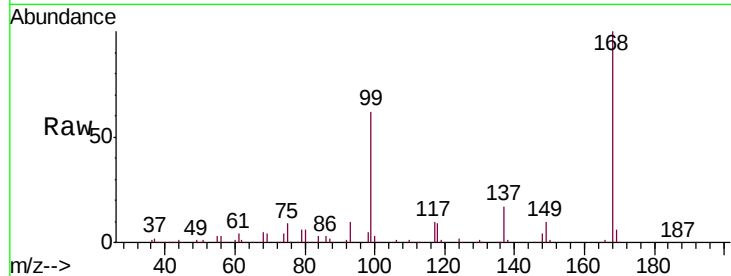




#38
Carbon Tetrachloride
Concen: 6.637 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012186.D
Acq: 26 Aug 2019 22:06

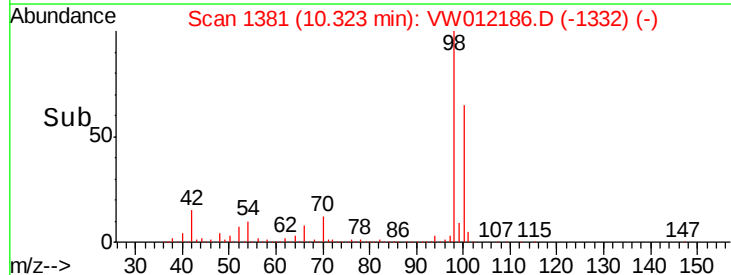
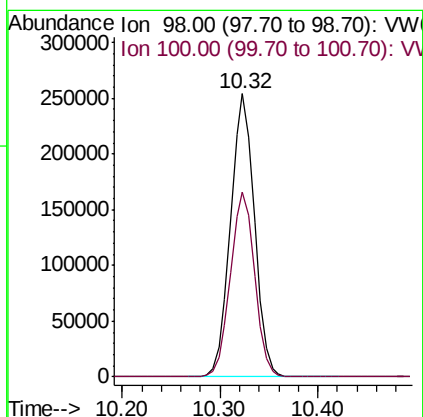
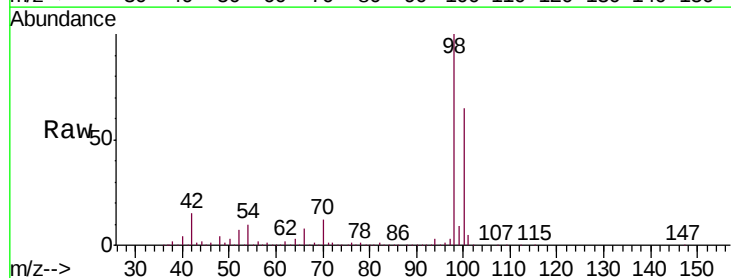
Instrument :
MSVOA_W
ClientSampleId :
T1-S1-(0)

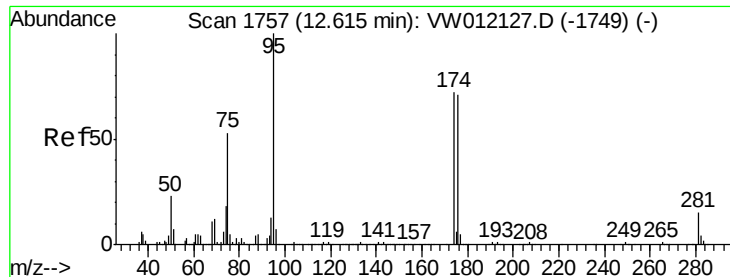
Tgt Ion: 117 Resp: 21244
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 49.839 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012186.D
Acq: 26 Aug 2019 22:06

Tgt Ion: 98 Resp: 431653
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

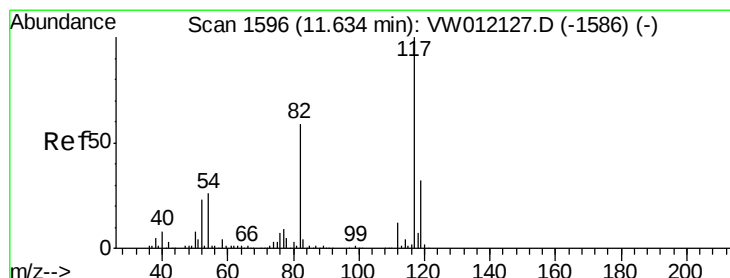
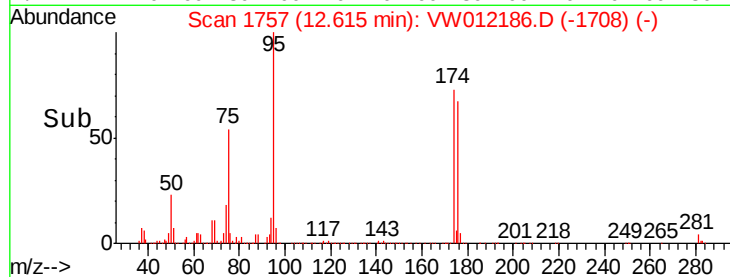
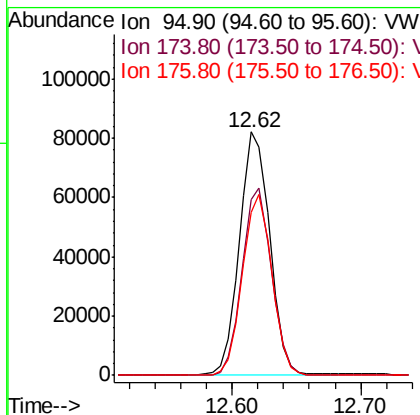
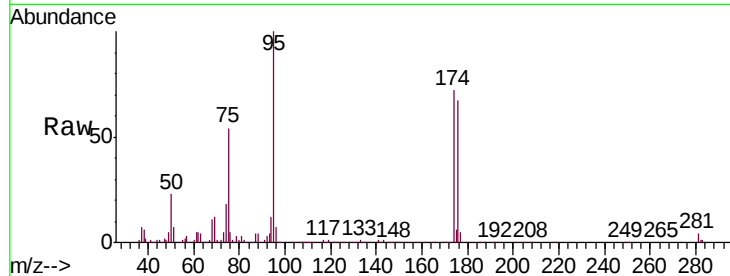




#62
 4-Bromofluorobenzene
 Concen: 43.578 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012186.D
 Acq: 26 Aug 2019 22:06

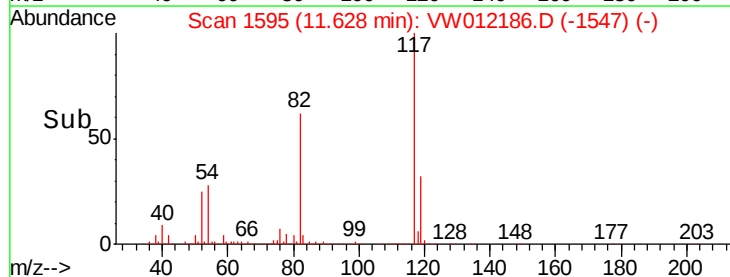
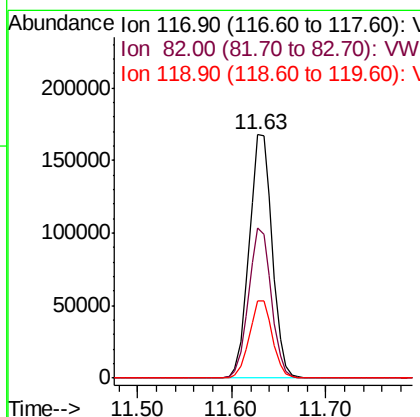
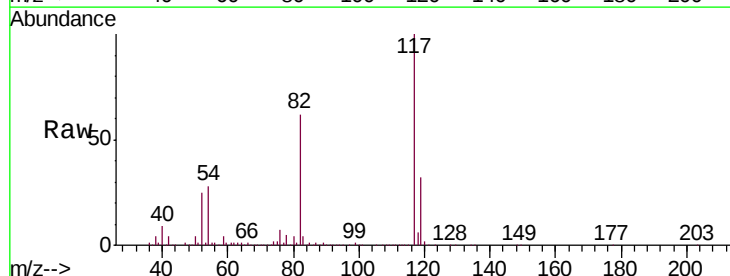
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S1-(0)

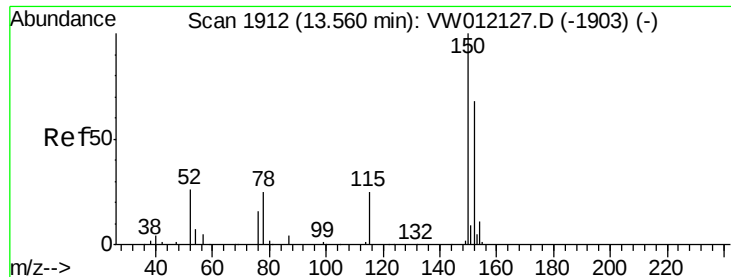
Tgt Ion: 95 Resp: 133041
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.8
 176 72.6 0.0 148.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: VW012186.D
 Acq: 26 Aug 2019 22:06

Tgt Ion: 117 Resp: 288775
 Ion Ratio Lower Upper
 117 100
 82 61.8 47.4 71.2
 119 31.6 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: VW012186.D

Acq: 26 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

T1-S1-(0)

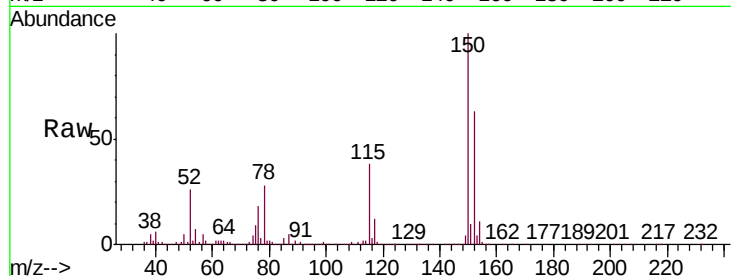
Tgt Ion:152 Resp: 106226

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.3

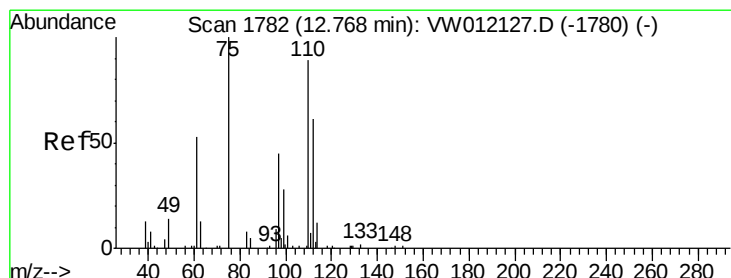
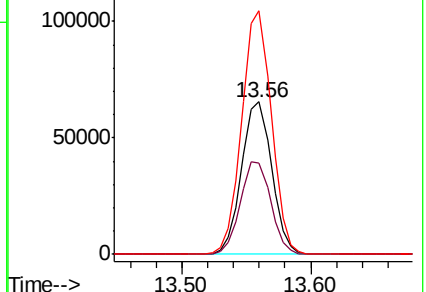
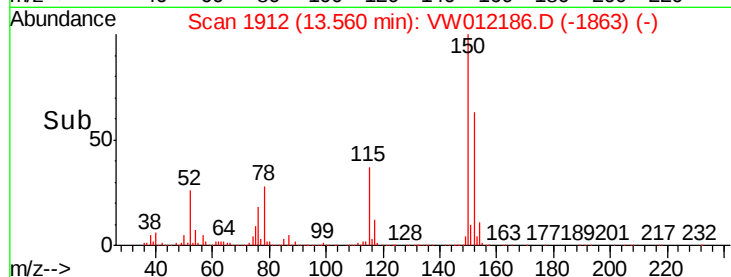
150 156.9 0.0 345.8



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: 69.187 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012186.D

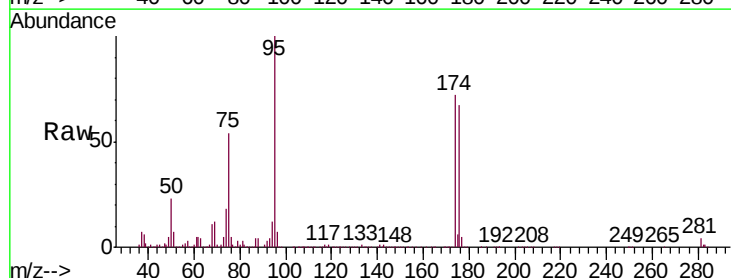
Acq: 26 Aug 2019 22:06

Tgt Ion: 75 Resp: 71578

Ion Ratio Lower Upper

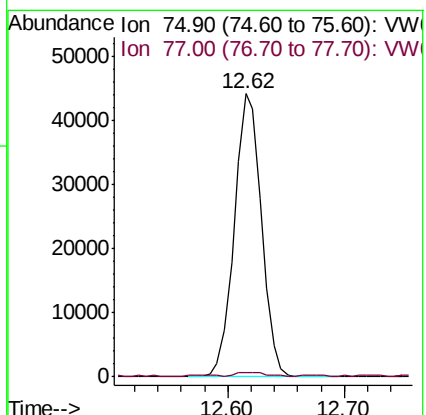
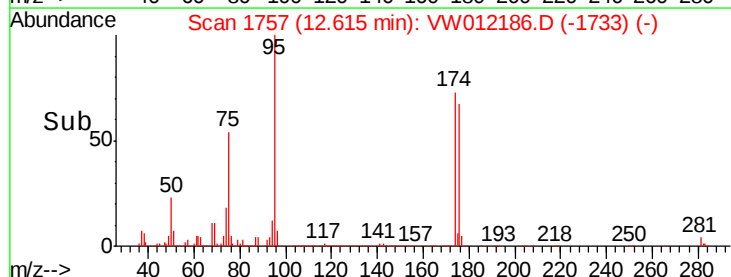
75 100

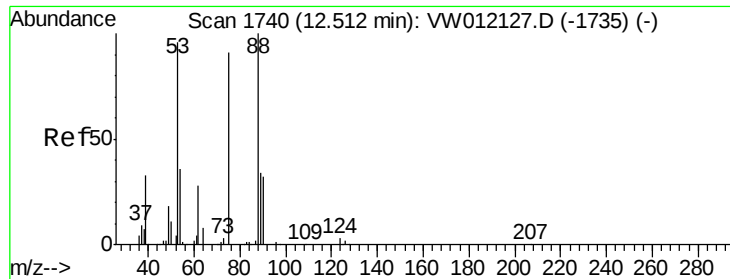
77 2.2 0.0 0.0#



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: 151.694 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

T1-S1-(0)

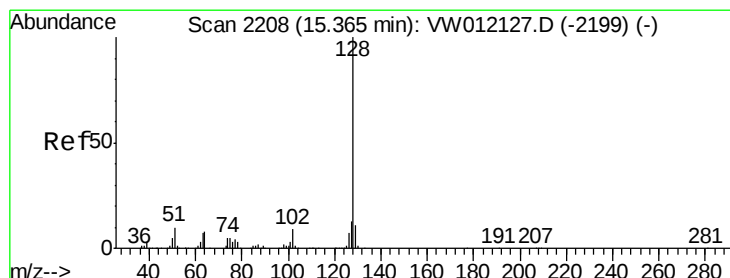
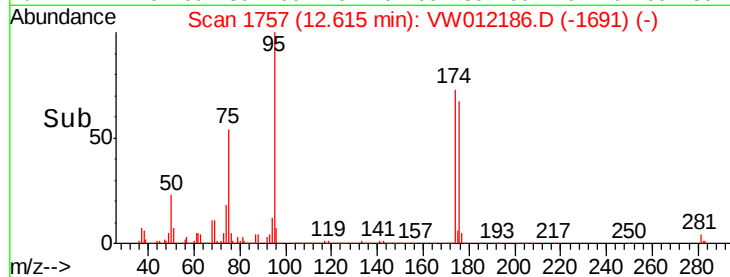
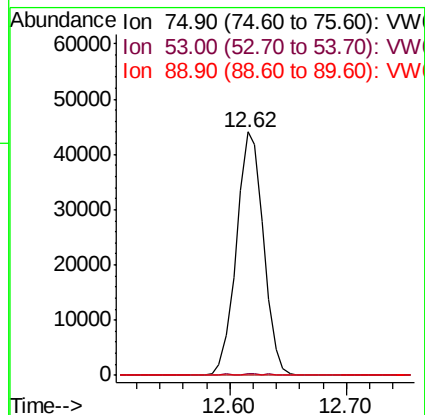
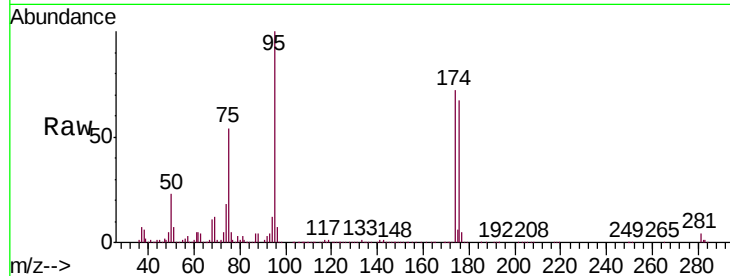
Tgt Ion: 75 Resp: 71578

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.3 34.5 51.7#



#95

Naphthalene

Concen: 4.418 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012186.D

Acq: 26 Aug 2019 22:06

Tgt Ion: 128 Resp: 424

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 26.7 8.7 13.1#

