

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012144.D
 Acq On : 23 Aug 2019 20:16
 Operator : SY/VA
 Sample : K4474-06
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F3-(2.5)

Quant Time: Aug 26 07:30:22 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	228651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148109	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.88	113	118507	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.32	98	459814	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.62	95	130655	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	

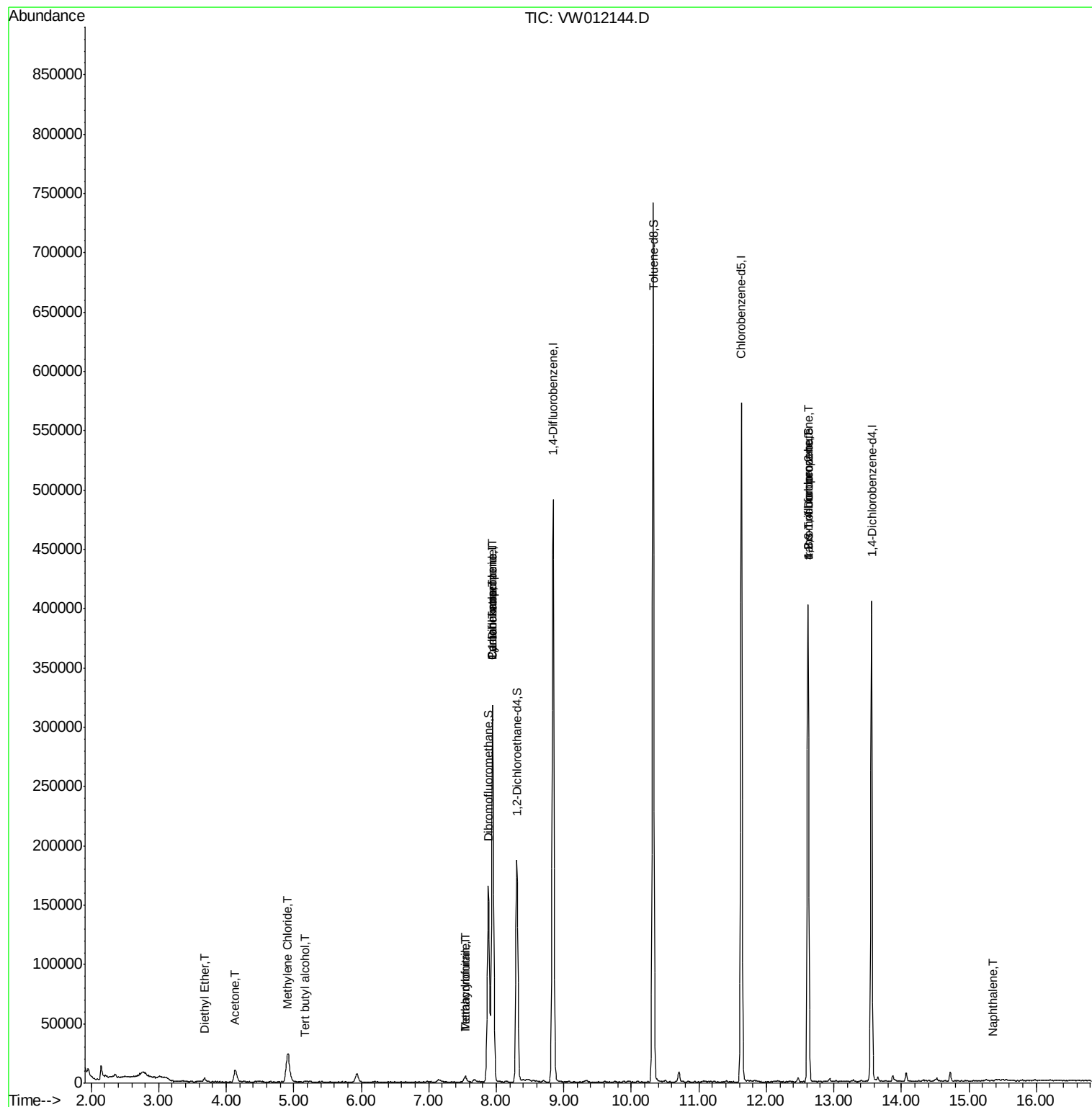
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1416	1.113	ug/l	55
11) Tert butyl alcohol	5.17	59	564	3.448	ug/l #	71
16) Acetone	4.13	43	20660	29.735	ug/l	96
20) Methylene Chloride	4.91	84	18227	6.939	ug/l	94
29) Tetrahydrofuran	7.54	42	4397	7.762	ug/l	99
31) Cyclohexane	7.95	56	6159	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19802	5.100	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23276	6.926	ug/l #	16
41) Methacrylonitrile	7.54	41	2856	2.284	ug/l #	58
76) 1,2,3-Trichloropropane	12.61	75	70882	72.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	70882	159.104	ug/l #	6
95) Naphthalene	15.36	128	21	4.326	ug/l #	69

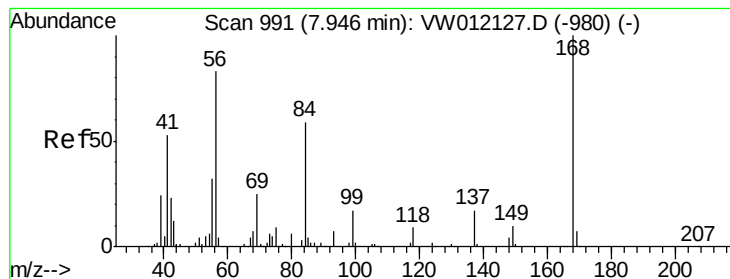
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

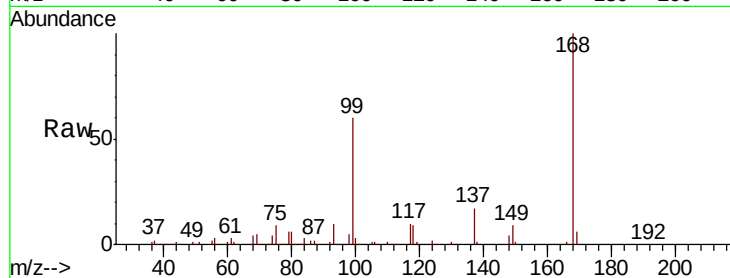
T1-2-F3-(2.5)

Tgt Ion:168 Resp: 228651

Ion Ratio Lower Upper

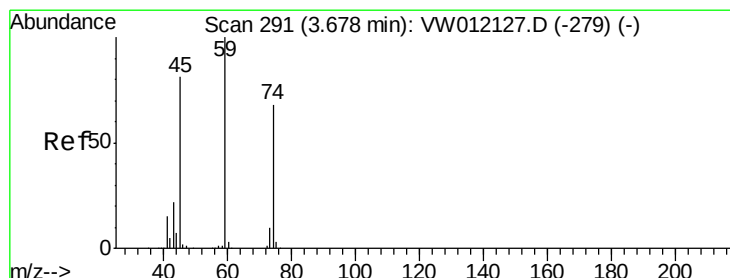
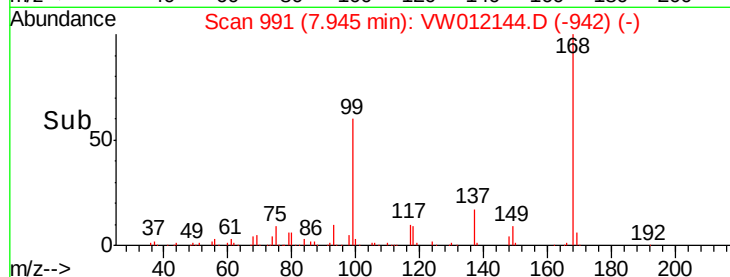
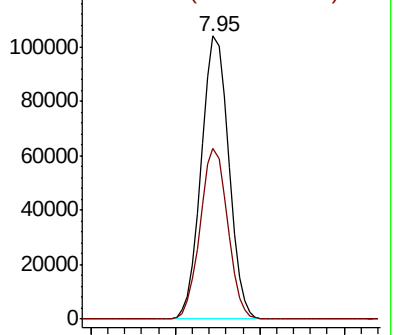
168 100

99 60.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.113 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012144.D

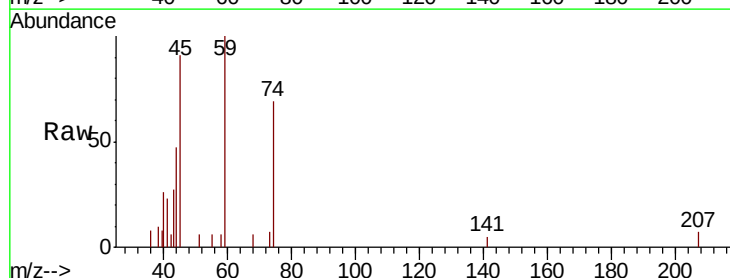
Acq: 23 Aug 2019 20:16

Tgt Ion: 74 Resp: 1416

Ion Ratio Lower Upper

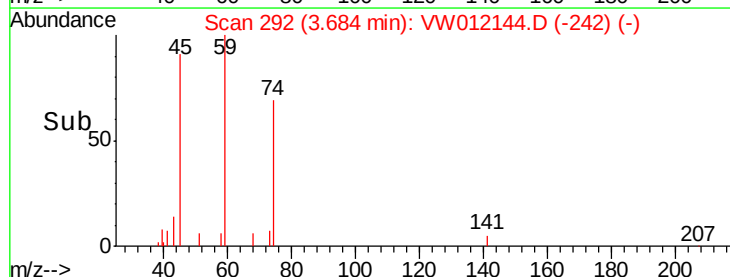
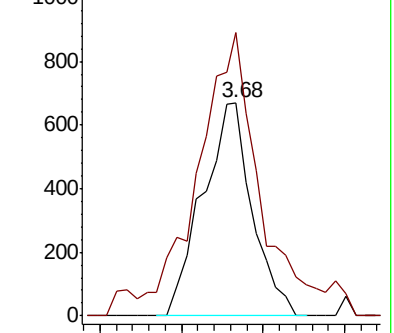
74 100

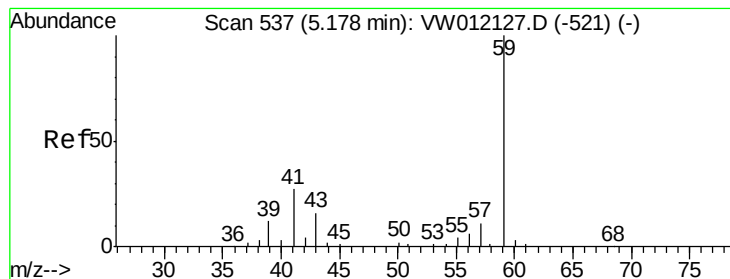
45 168.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 3.448 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

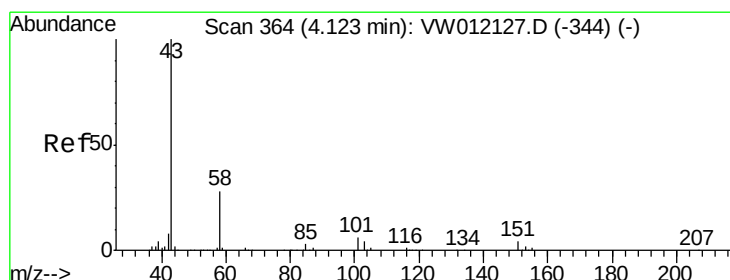
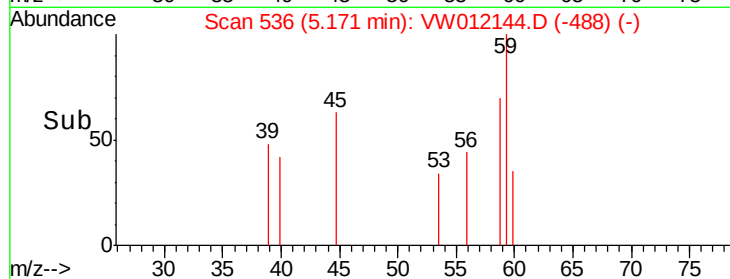
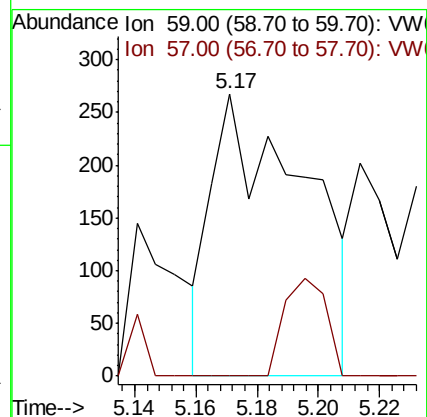
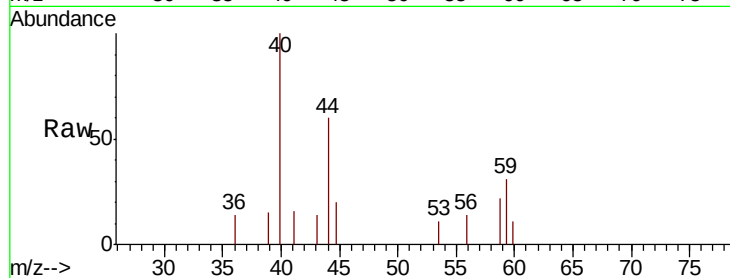
T1-2-F3-(2.5)

Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 29.735 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012144.D

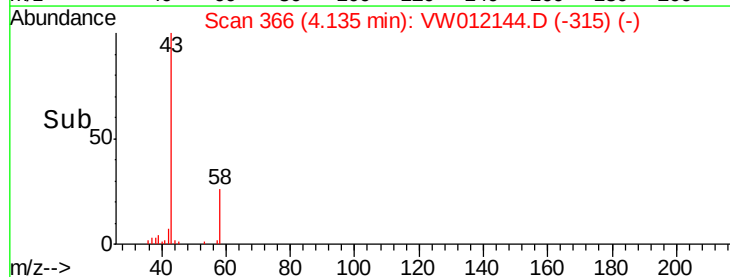
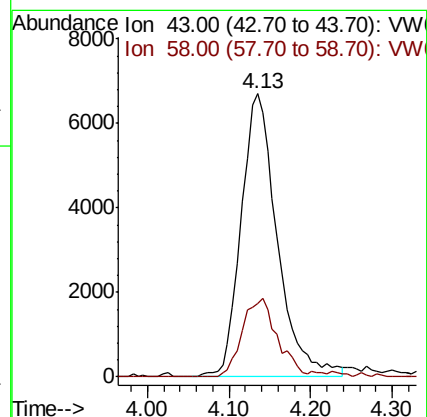
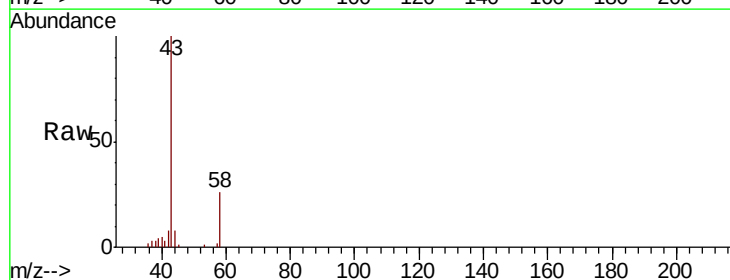
Acq: 23 Aug 2019 20:16

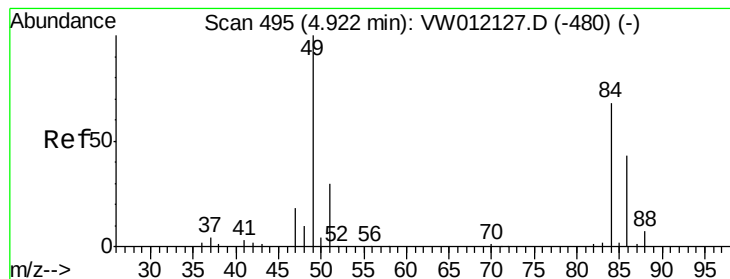
Tgt Ion: 43 Resp: 20660

Ion Ratio Lower Upper

43 100

58 25.8 22.4 33.6





#20

Methylene Chloride

Concen: 6.939 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(2.5)

Tgt Ion: 84 Resp: 18227

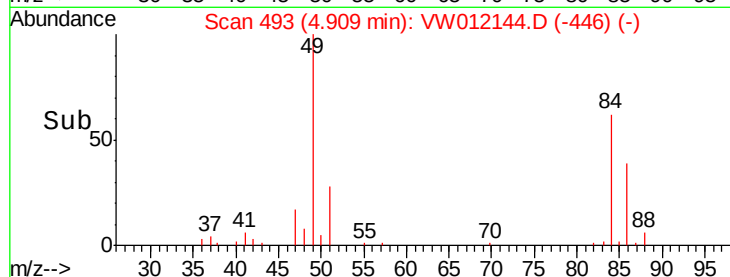
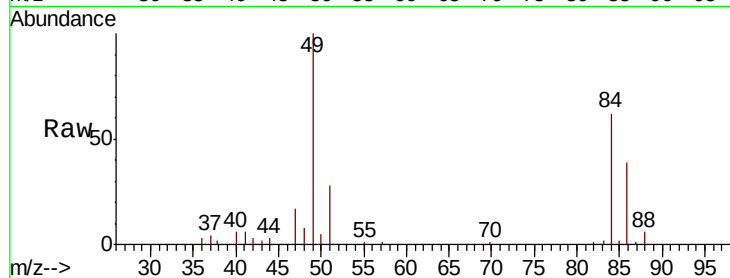
Ion Ratio Lower Upper

84 100

49 160.4 117.8 176.8

51 44.4 35.6 53.4

86 62.6 51.2 76.8



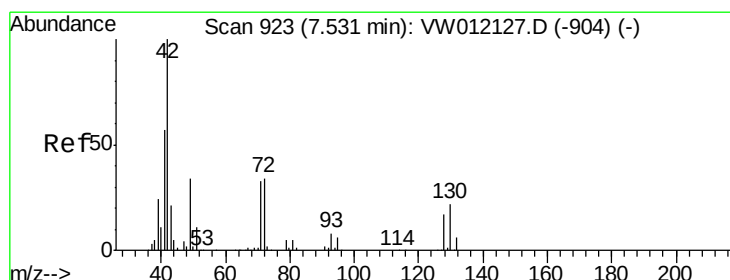
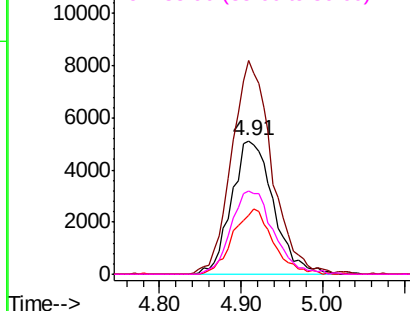
Abundance

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



#29

Tetrahydrofuran

Concen: 7.762 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012144.D

Acq: 23 Aug 2019 20:16

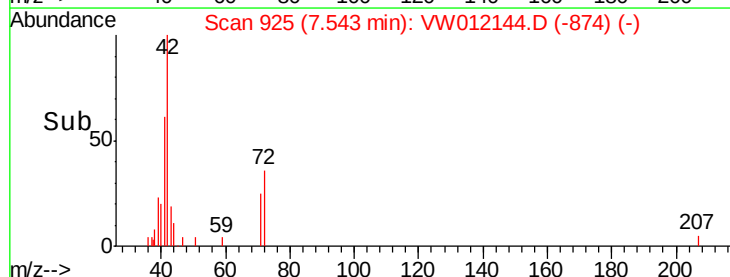
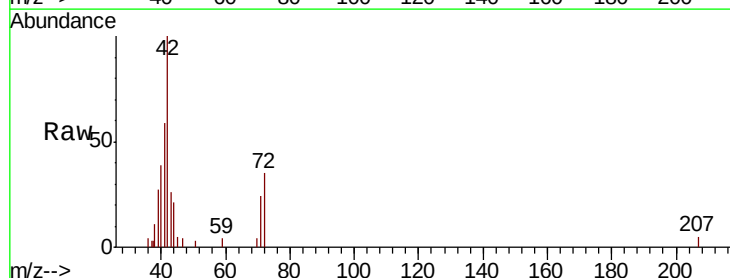
Tgt Ion: 42 Resp: 4397

Ion Ratio Lower Upper

42 100

72 35.2 27.3 40.9

71 32.3 25.5 38.3

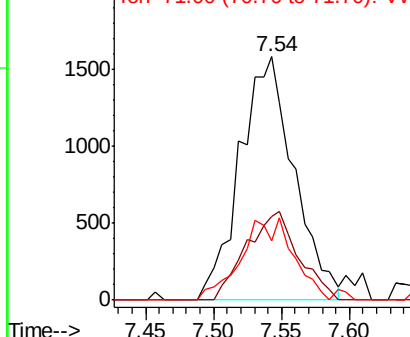


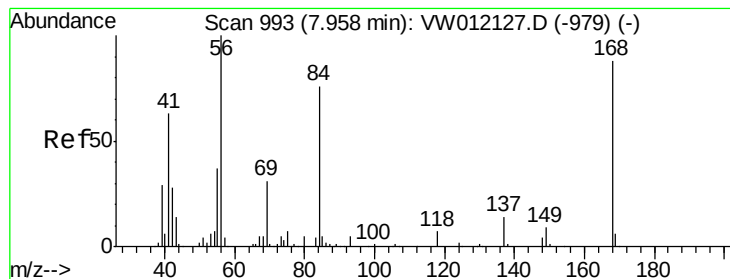
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(2.5)

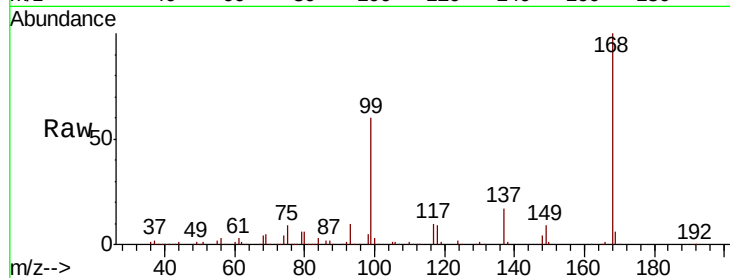
Tgt Ion: 56 Resp: 6159

Ion Ratio Lower Upper

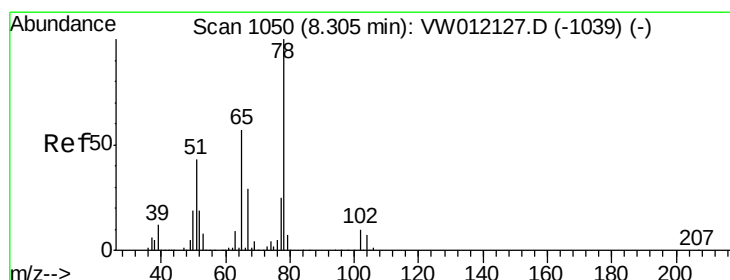
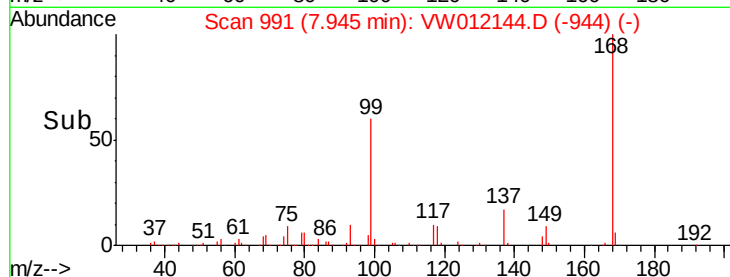
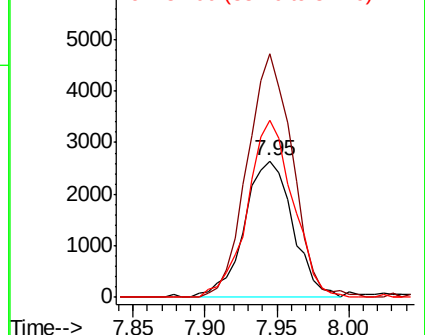
56 100

69 178.4 24.9 37.3#

84 129.7 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: 54.490 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012144.D

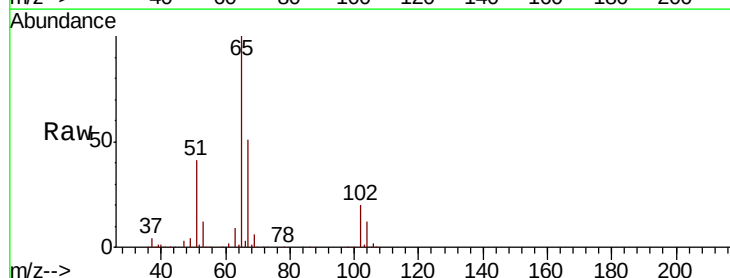
Acq: 23 Aug 2019 20:16

Tgt Ion: 65 Resp: 148109

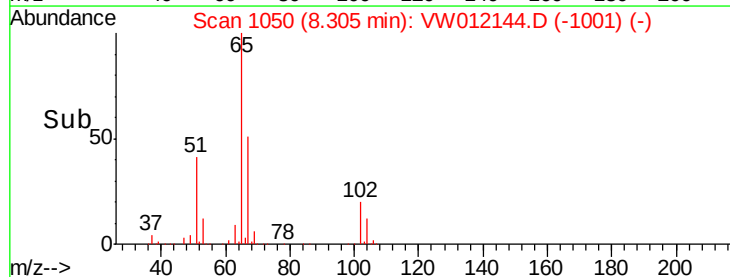
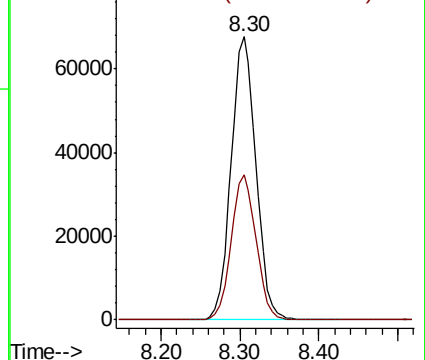
Ion Ratio Lower Upper

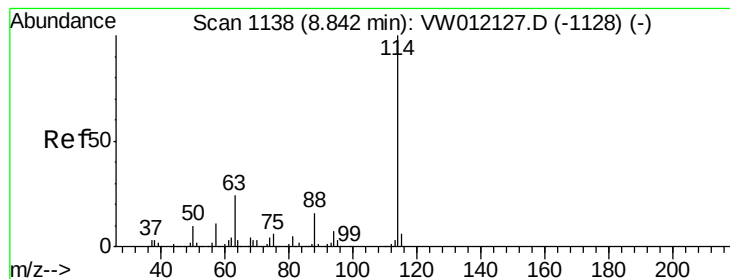
65 100

67 51.2 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: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(2.5)

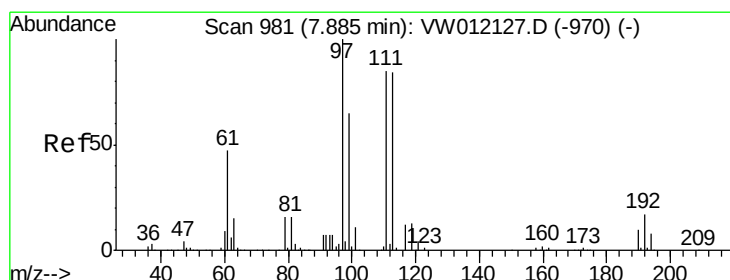
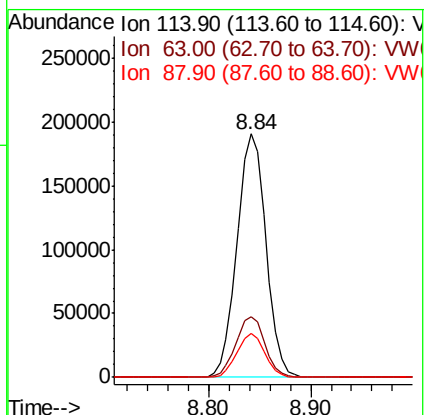
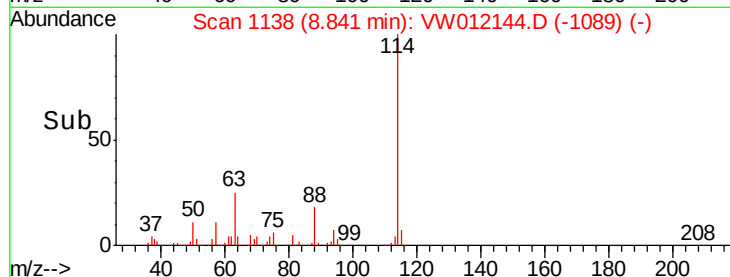
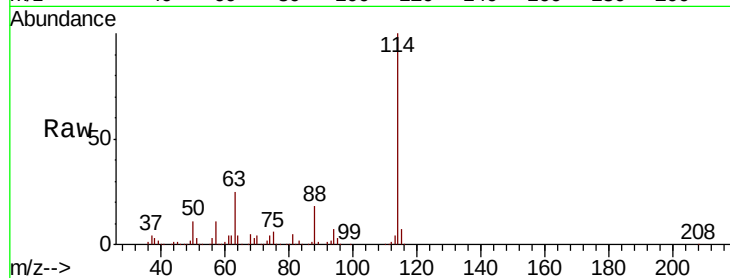
Tgt Ion:114 Resp: 375751

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.6

88 18.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.837 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012144.D

Acq: 23 Aug 2019 20:16

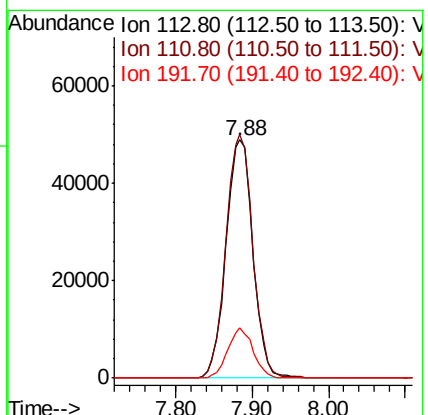
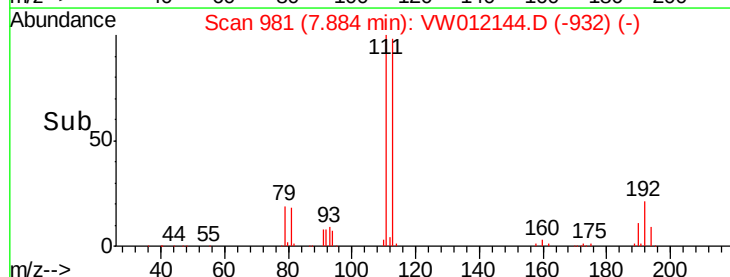
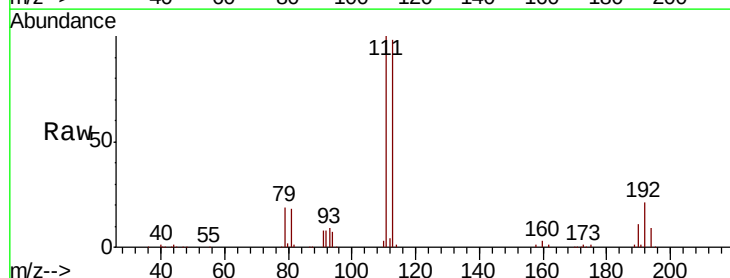
Tgt Ion:113 Resp: 118507

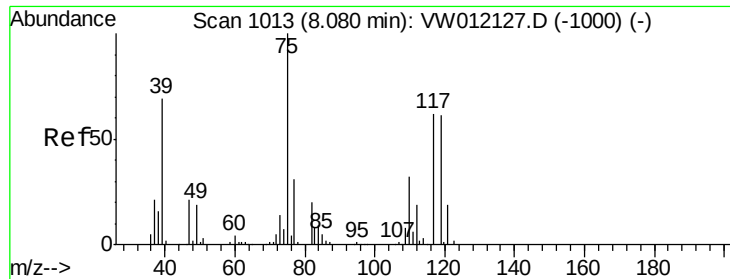
Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

192 20.0 16.2 24.2

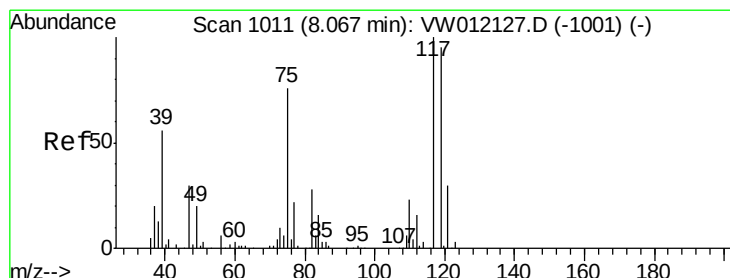
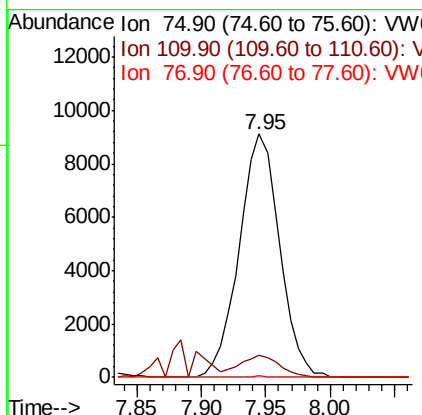
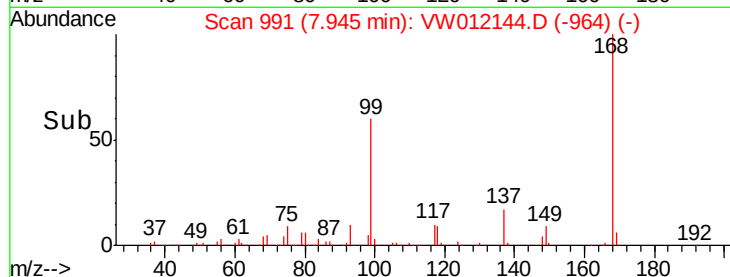
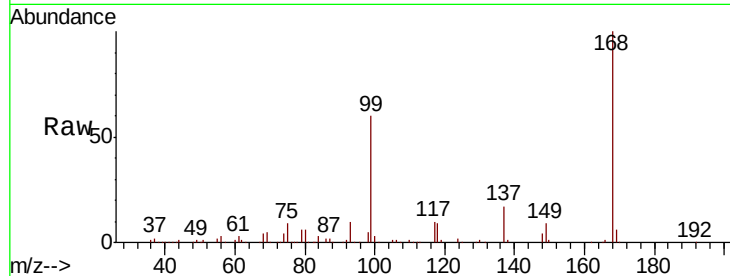




#36
 1,1-Dichloropropene
 Concen: 5.100 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012144.D
 Acq: 23 Aug 2019 20:16

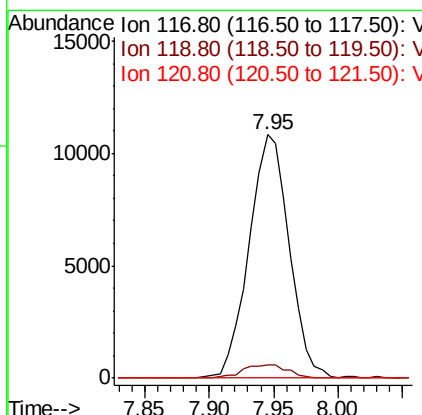
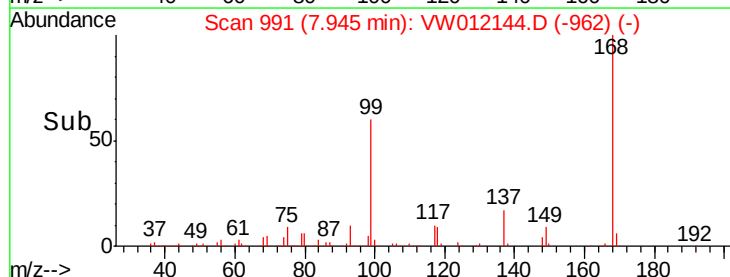
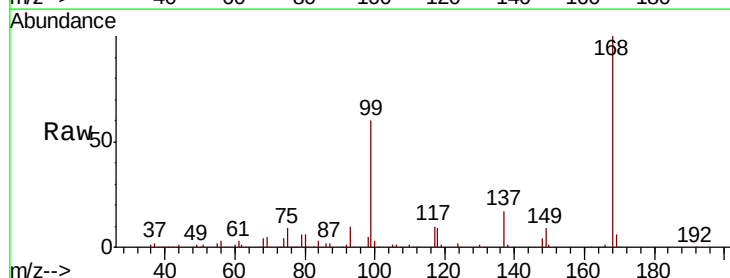
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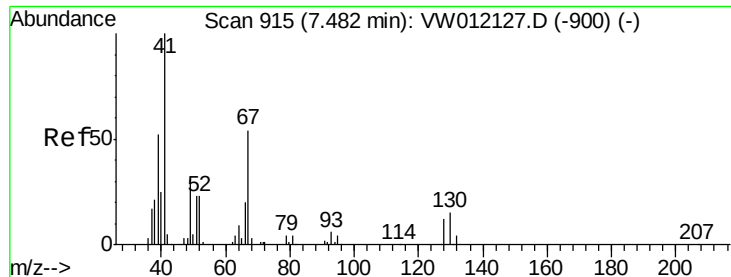
Tgt Ion: 75 Resp: 19802
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.926 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012144.D
 Acq: 23 Aug 2019 20:16

Tgt Ion: 117 Resp: 23276
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 23.8 35.8#

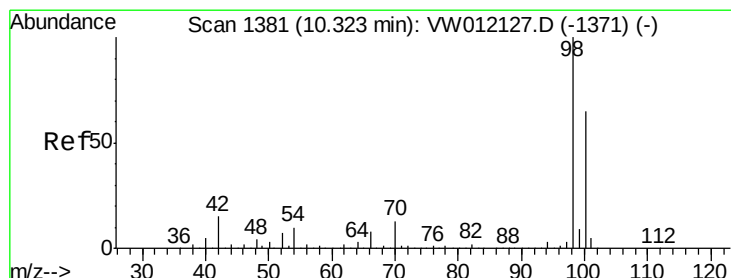
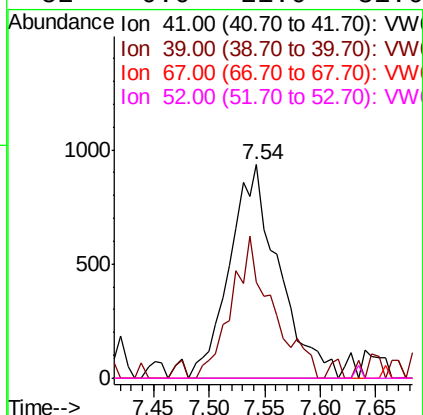
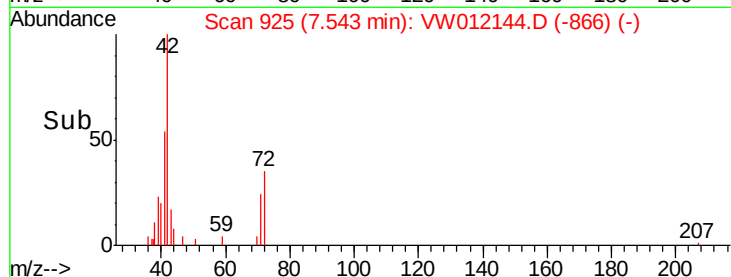
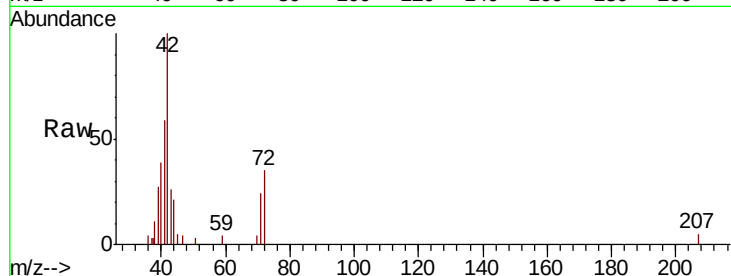




#41
Methacrylonitrile
Concen: 2.284 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

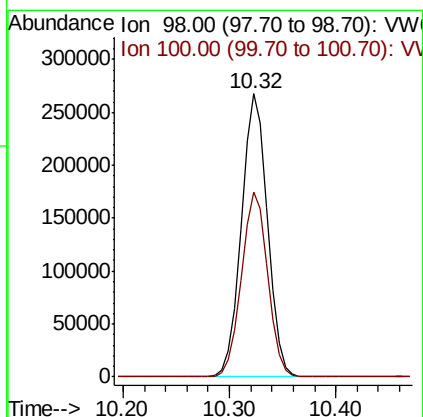
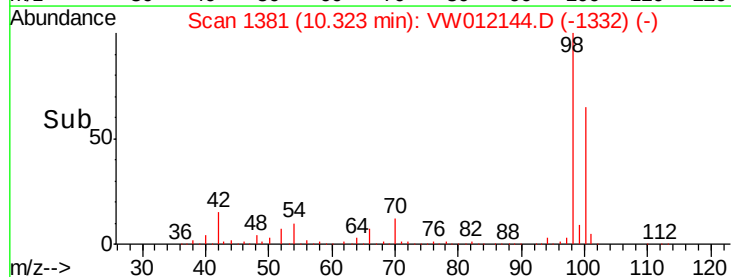
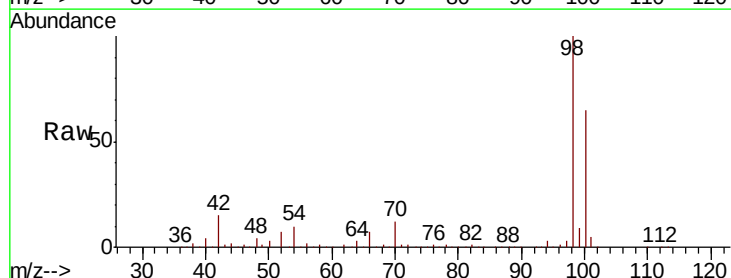
Instrument :
MSVOA_W
ClientSampled :
T1-2-F3-(2.5)

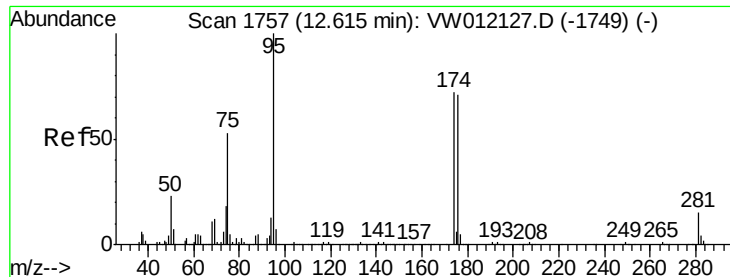
Tgt Ion:	41	Resp:	2856
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 50.561 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

Tgt Ion:	98	Resp:	459814
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6

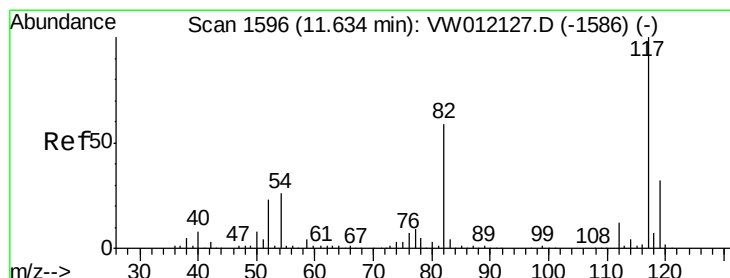
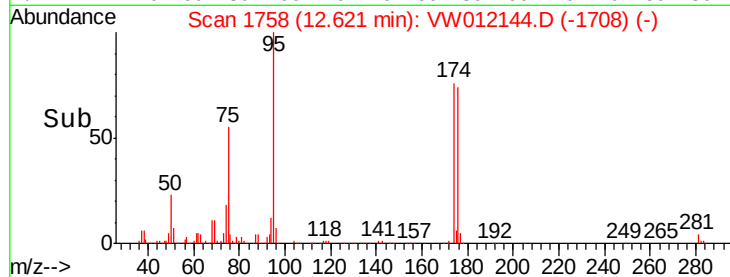
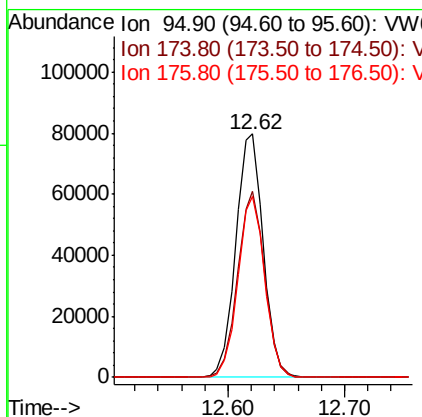
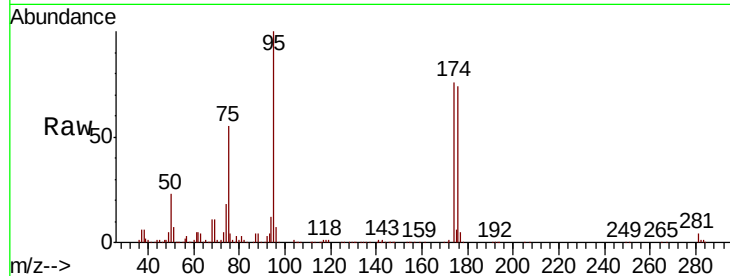




#62
4-Bromofluorobenzene
Concen: 40.757 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

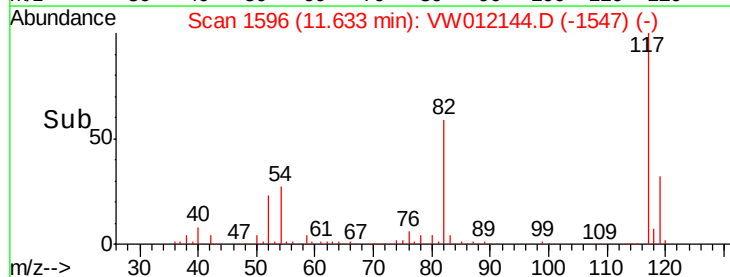
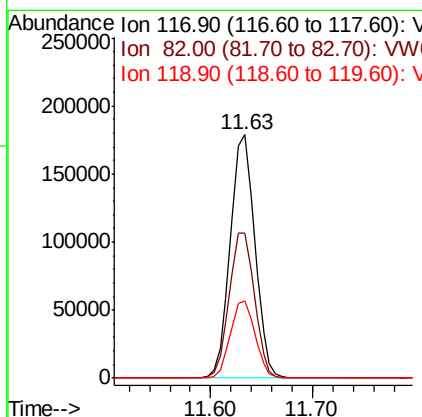
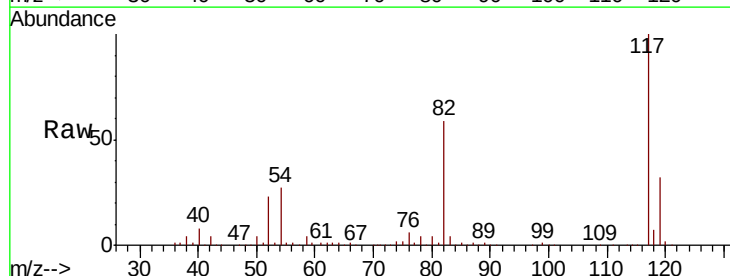
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F3-(2.5)

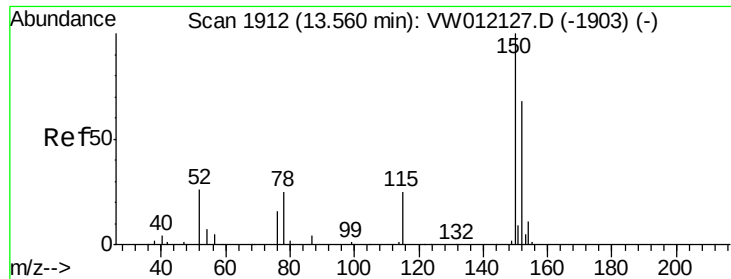
Tgt Ion: 95 Resp: 130655
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 72.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

Tgt Ion: 117 Resp: 298197
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.8 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: VW012144.D

Acq: 23 Aug 2019 20:16

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F3-(2.5)

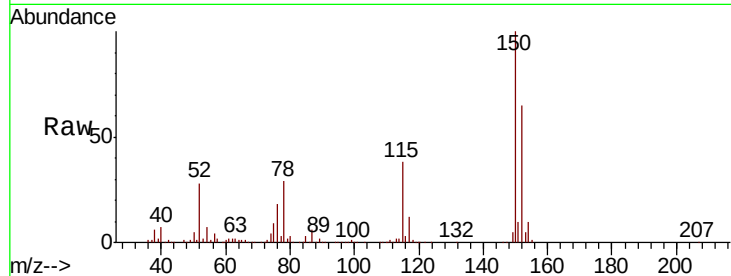
Tgt Ion:152 Resp: 100294

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

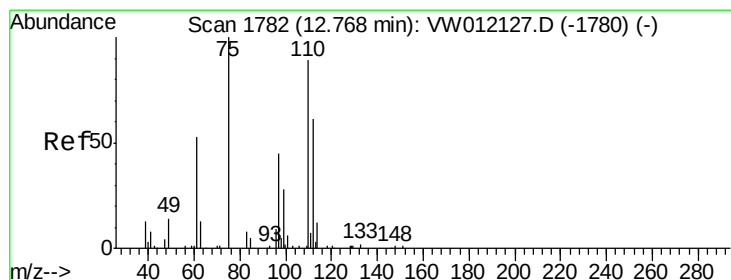
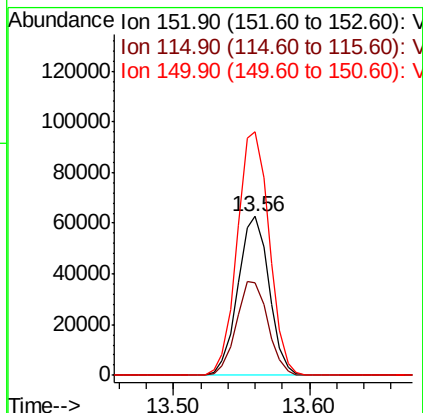
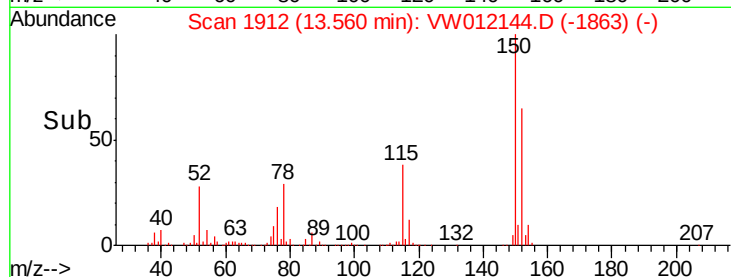
150 157.9 0.0 345.8



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: 72.566 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012144.D

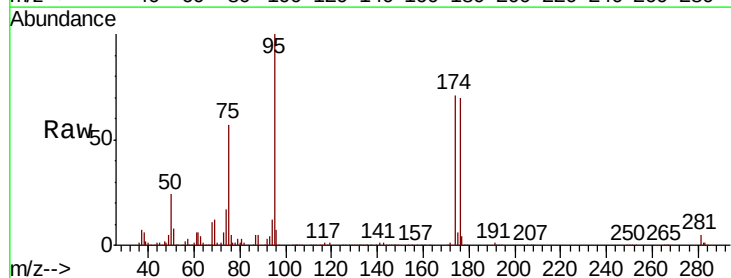
Acq: 23 Aug 2019 20:16

Tgt Ion: 75 Resp: 70882

Ion Ratio Lower Upper

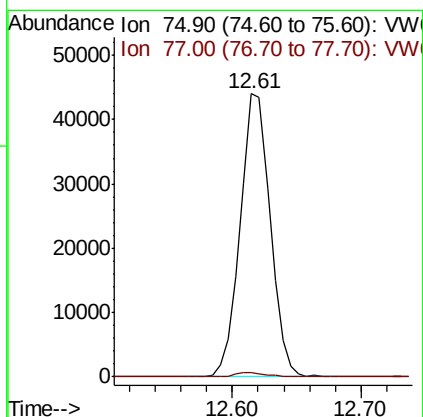
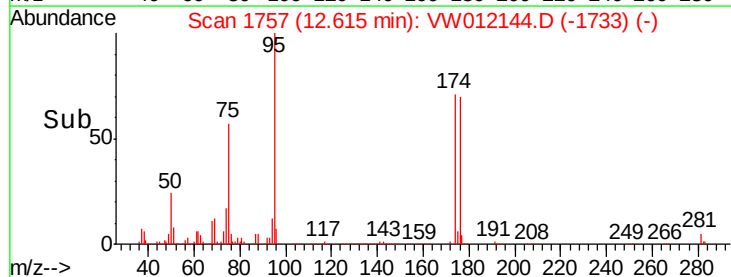
75 100

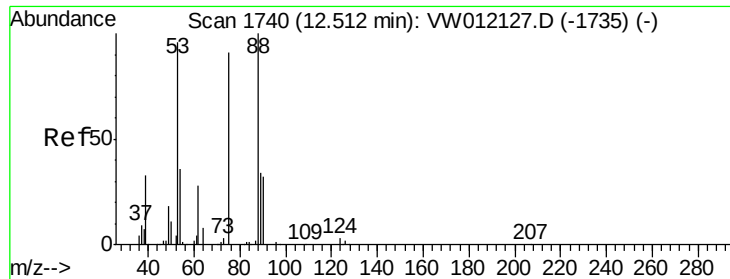
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

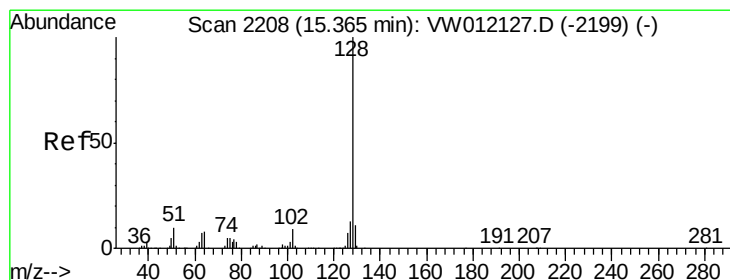
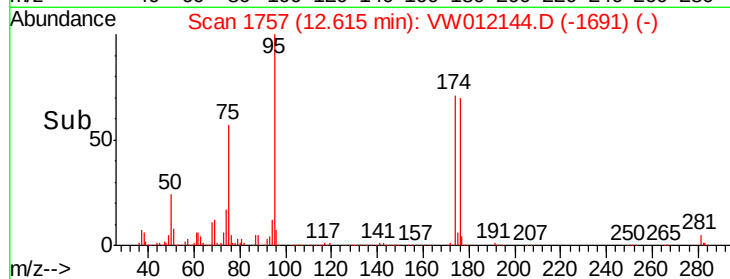
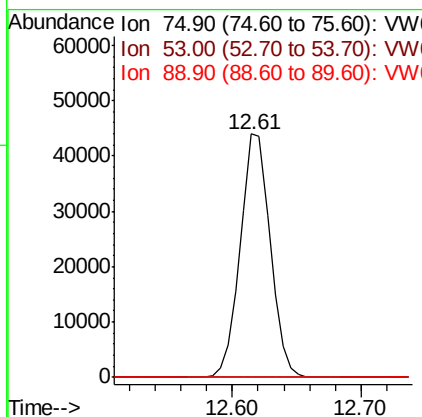
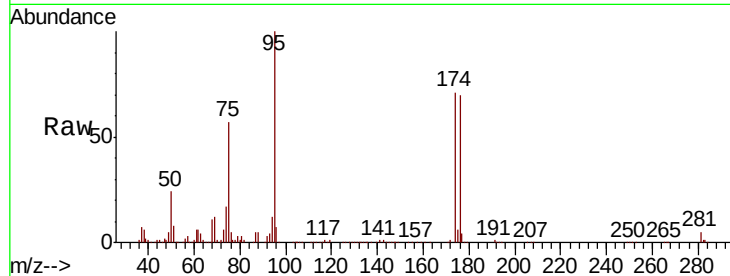




#81
trans-1,4-Dichloro-2-butene
Concen: 159.104 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F3-(2.5)

Tgt Ion: 75 Resp: 70882
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.326 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012144.D
Acq: 23 Aug 2019 20:16

Tgt Ion: 128 Resp: 21
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

