

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012227.D
 Acq On : 28 Aug 2019 01:59
 Operator : SY/VA
 Sample : K4472-03RE
 Misc : 5.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S2(0)

Quant Time: Aug 28 05:03:19 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	261278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	157113	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	7.88	113	133577	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	10.32	98	505501	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.62	95	130520	35.53	ug/l	0.00
Spiked Amount			Recovery	=	71.06%	

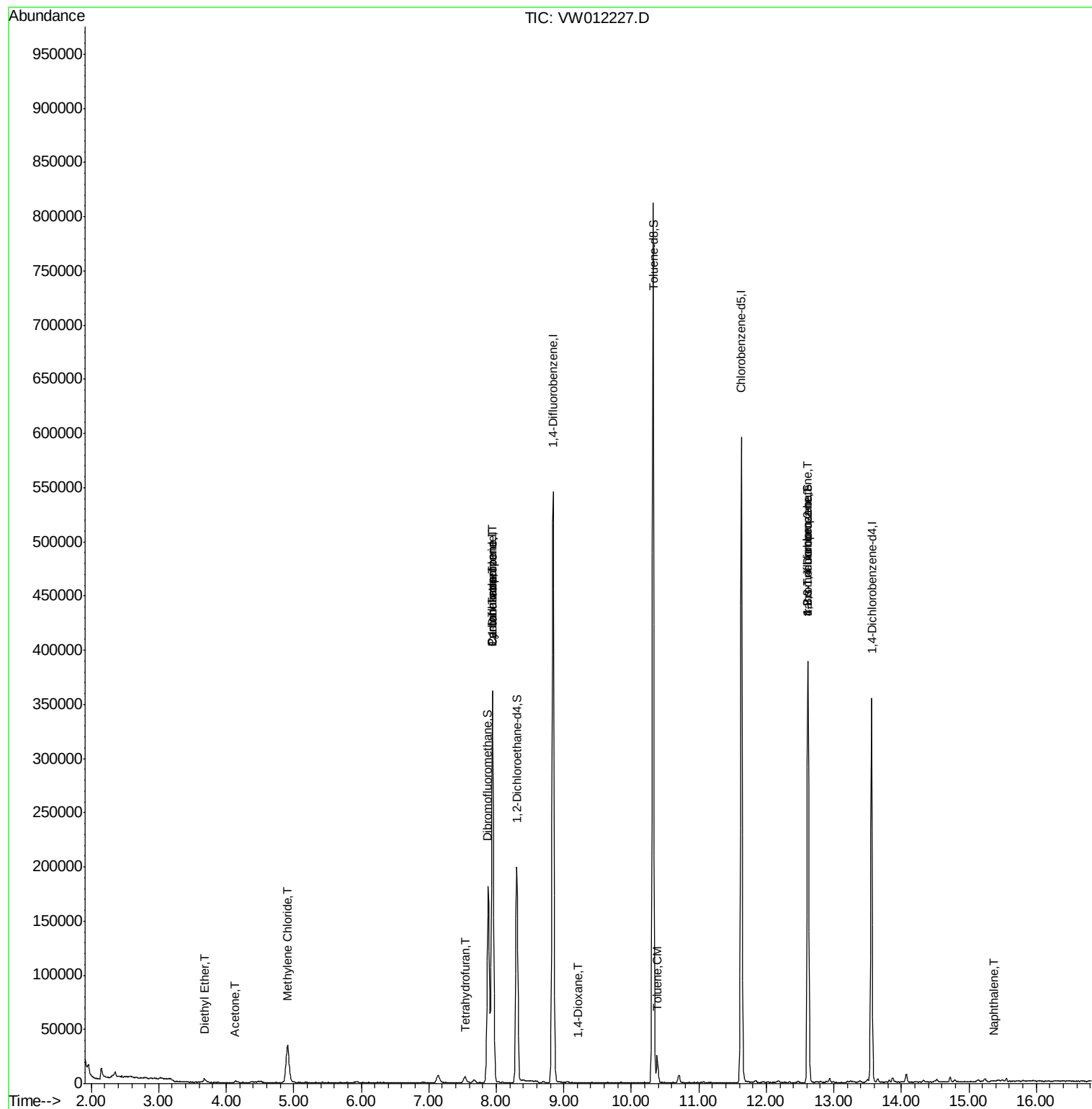
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1681	1.156	ug/l	65
16) Acetone	4.14	43	1362	1.715	ug/l	93
20) Methylene Chloride	4.91	84	25020	8.336	ug/l	97
29) Tetrahydrofuran	7.54	42	4747	7.334	ug/l	97
31) Cyclohexane	7.95	56	6539	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22042	4.954	ug/l #	51
38) Carbon Tetrachloride	7.94	117	25834	6.708	ug/l #	17
49) 1,4-Dioxane	9.21	88	28	1.257	ug/l #	1
52) Toluene	10.38	92	9827	1.346	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	68538	78.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68538	171.555	ug/l #	6
95) Naphthalene	15.38	128	1191	4.642	ug/l #	89

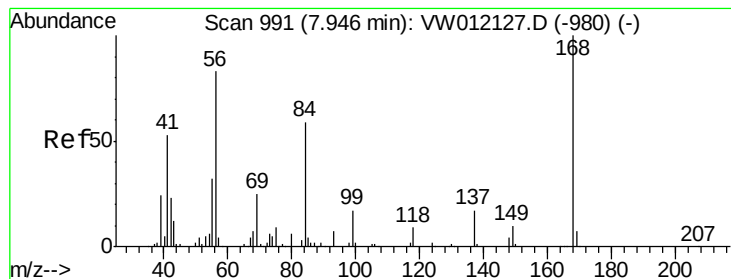
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
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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: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

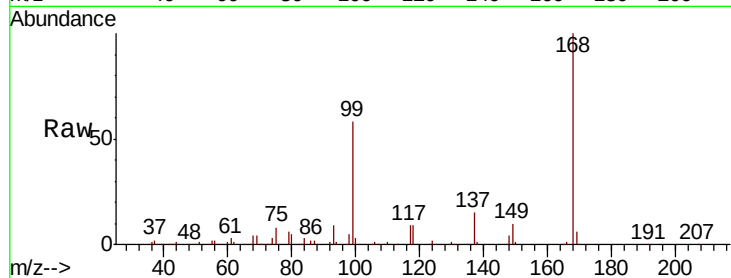
T1-S2(0)

Tgt Ion:168 Resp: 261278

Ion Ratio Lower Upper

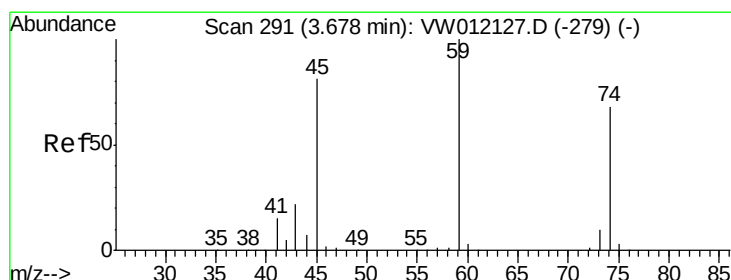
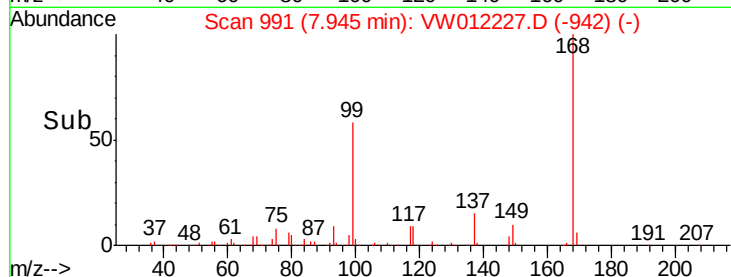
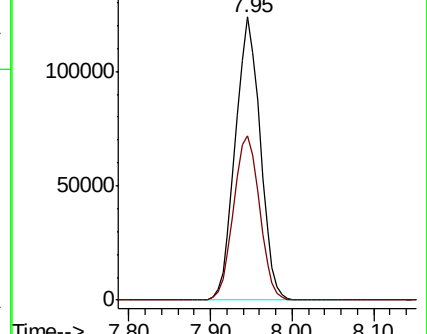
168 100

99 57.9 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: 1.156 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012227.D

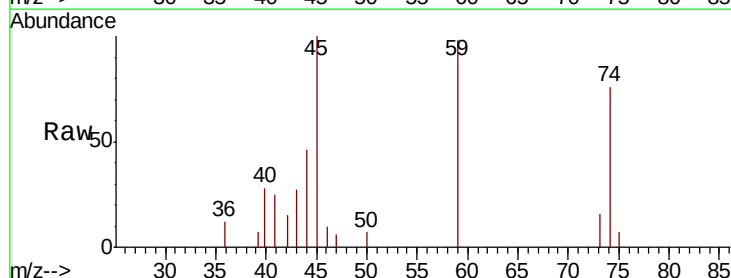
Acq: 28 Aug 2019 01:59

Tgt Ion: 74 Resp: 1681

Ion Ratio Lower Upper

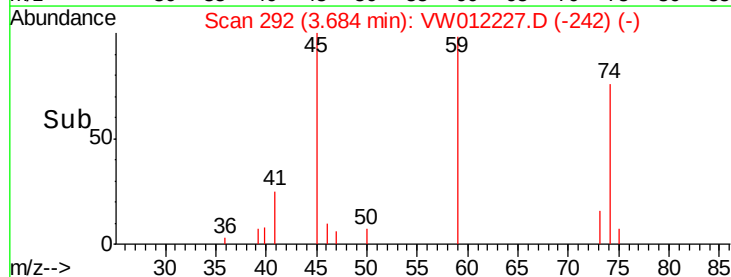
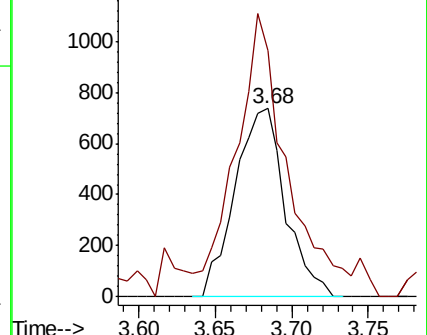
74 100

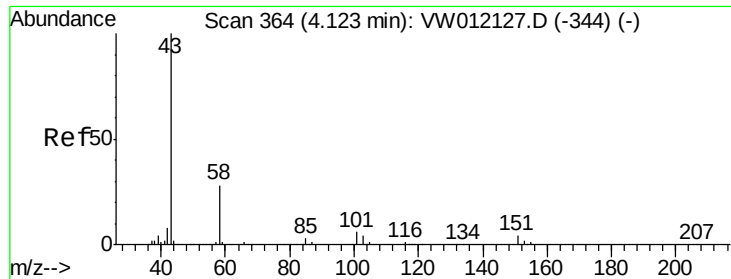
45 157.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.715 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

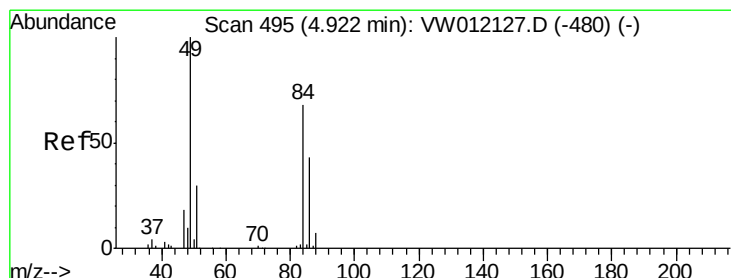
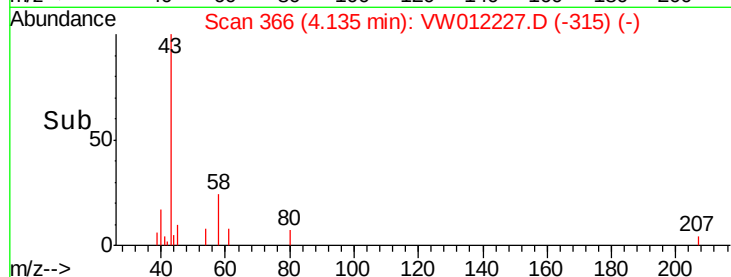
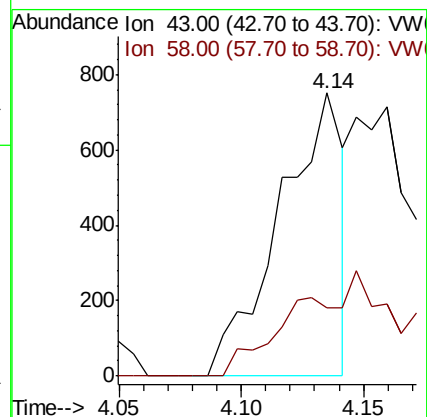
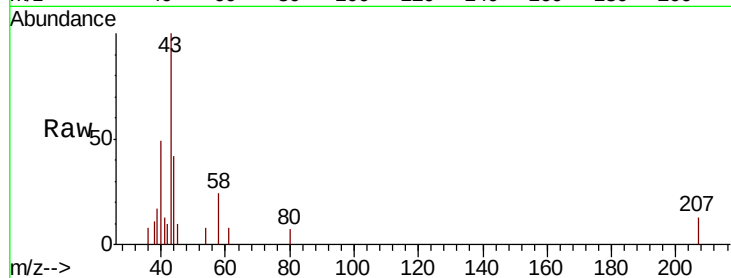
T1-S2(0)

Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

58 24.2 22.4 33.6



#20

Methylene Chloride

Concen: 8.336 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Tgt Ion: 84 Resp: 25020

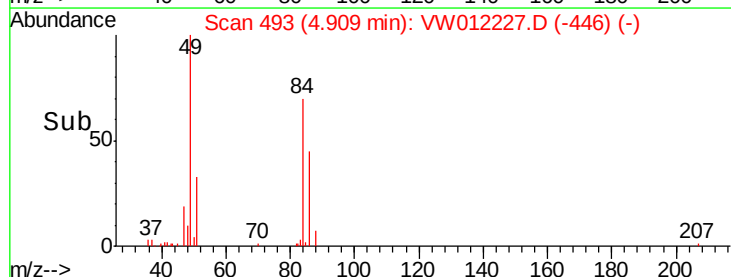
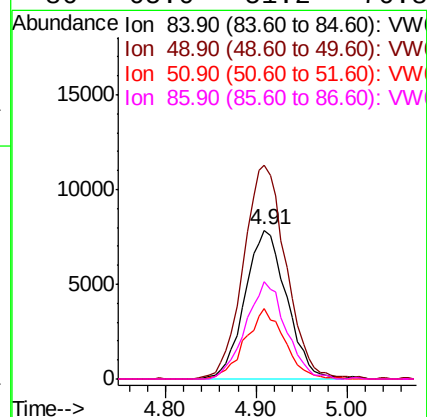
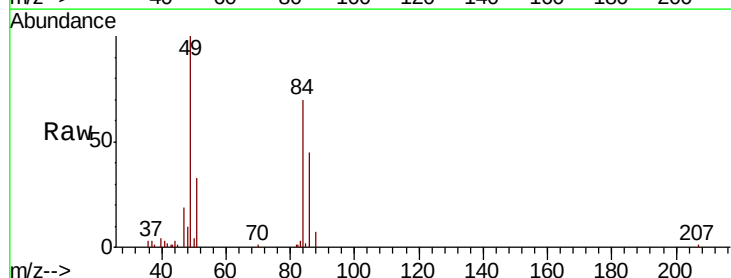
Ion Ratio Lower Upper

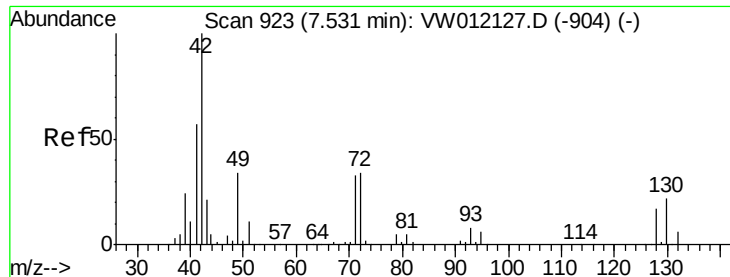
84 100

49 143.2 117.8 176.8

51 47.4 35.6 53.4

86 65.0 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.334 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

T1-S2(0)

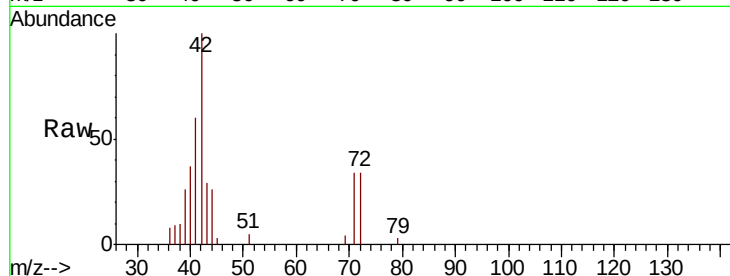
Tgt Ion: 42 Resp: 4747

Ion Ratio Lower Upper

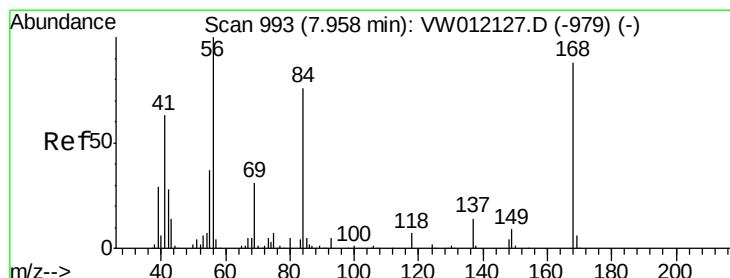
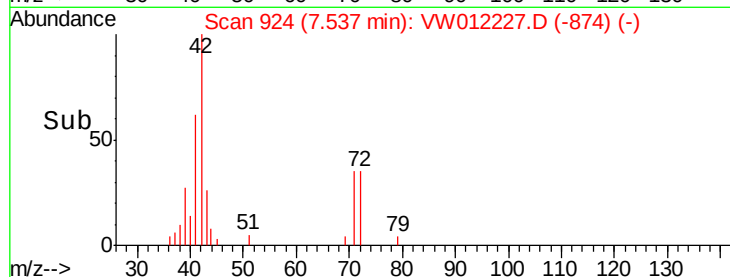
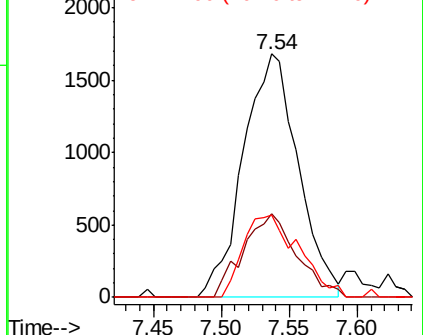
42 100

72 33.5 27.3 40.9

71 34.3 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: 1.169 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

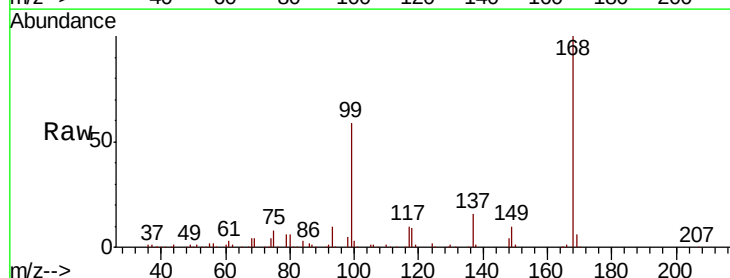
Tgt Ion: 56 Resp: 6539

Ion Ratio Lower Upper

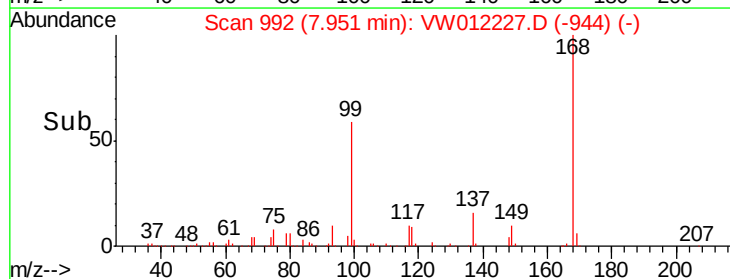
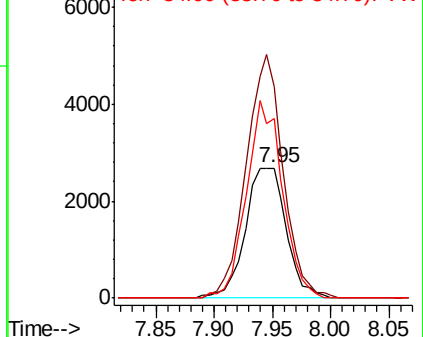
56 100

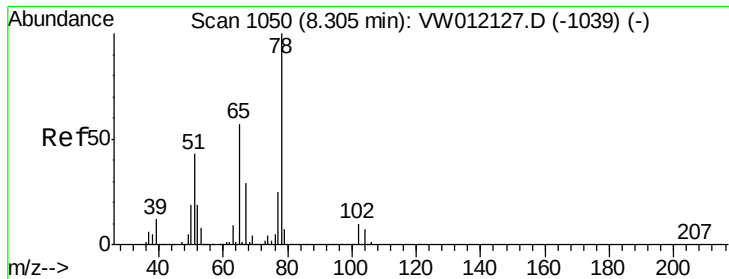
69 162.7 24.9 37.3#

84 138.3 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

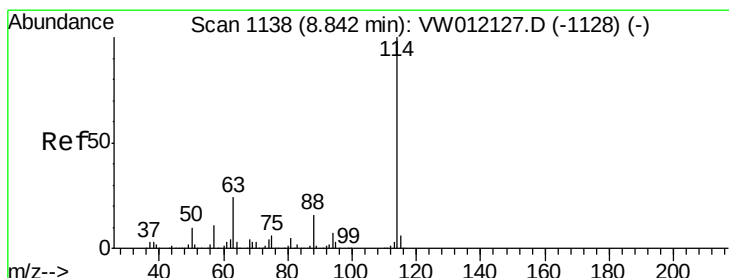
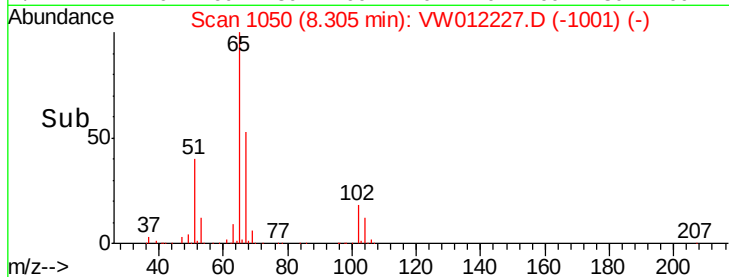
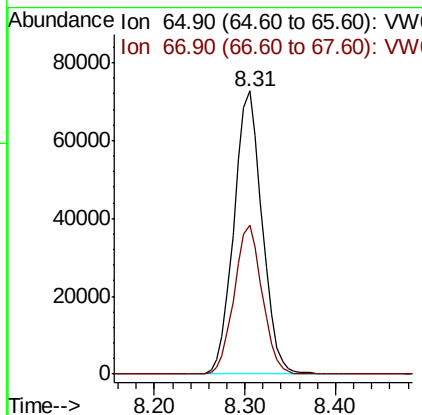
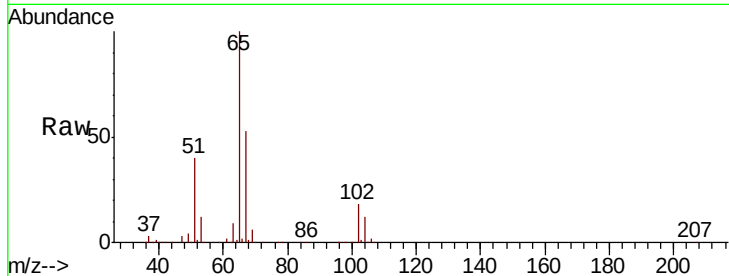




#33
 1,2-Dichloroethane-d4
 Concen: 50.584 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012227.D
 Acq: 28 Aug 2019 01:59

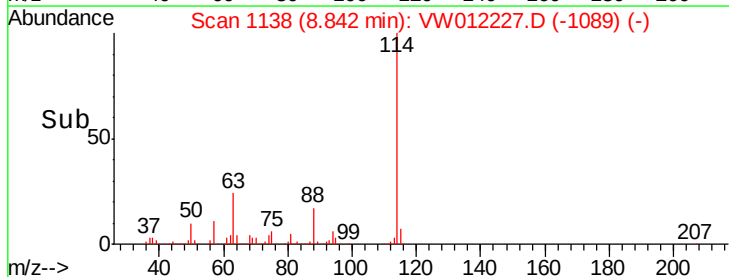
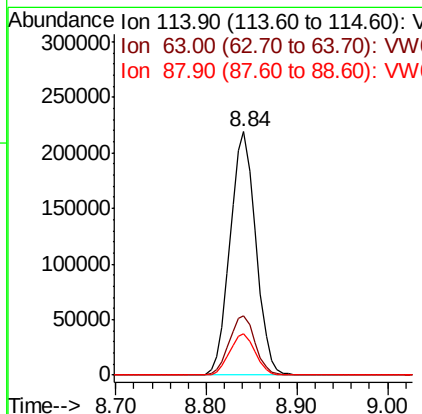
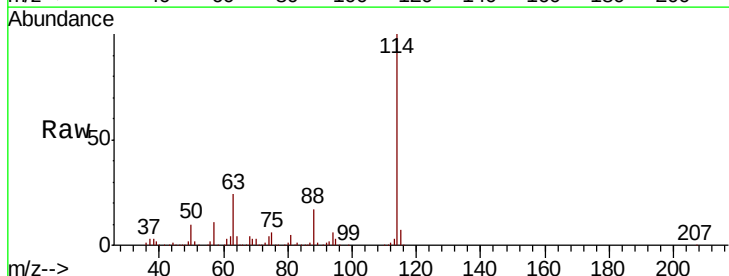
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S2(0)

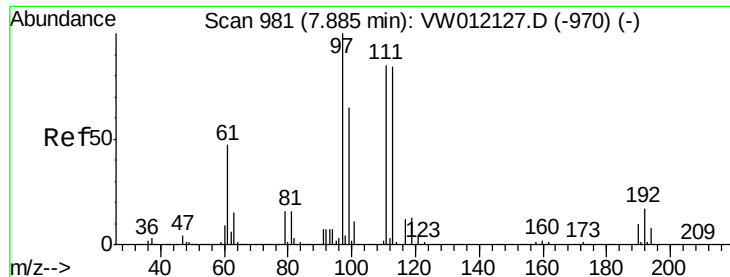
Tgt Ion: 65 Resp: 157113
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012227.D
 Acq: 28 Aug 2019 01:59

Tgt Ion: 114 Resp: 430555
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.976 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

T1-S2(0)

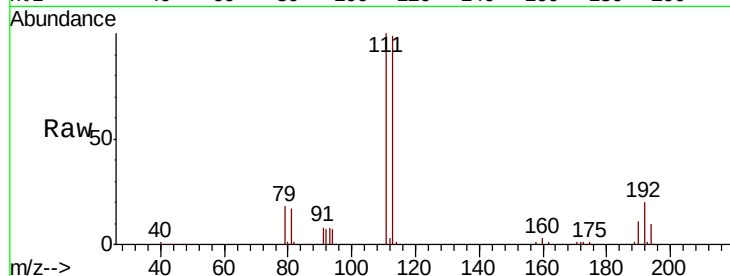
Tgt Ion:113 Resp: 133577

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

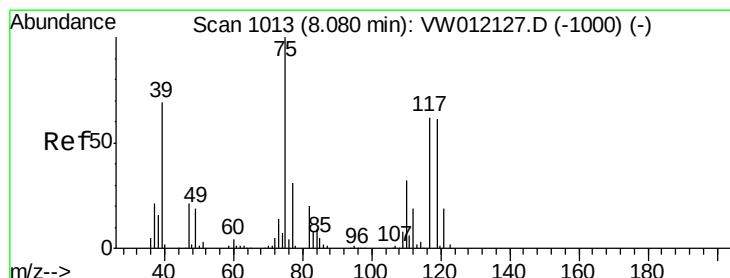
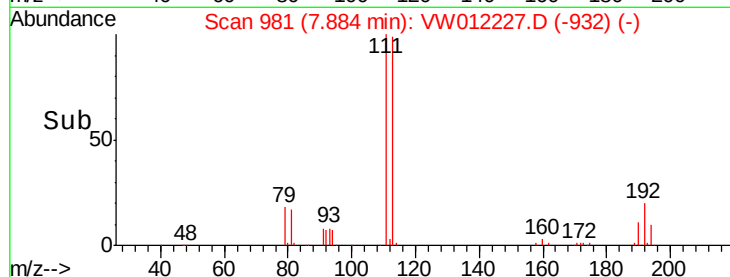
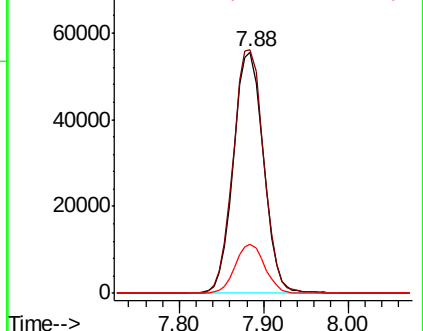
192 20.0 16.2 24.2



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: 4.954 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

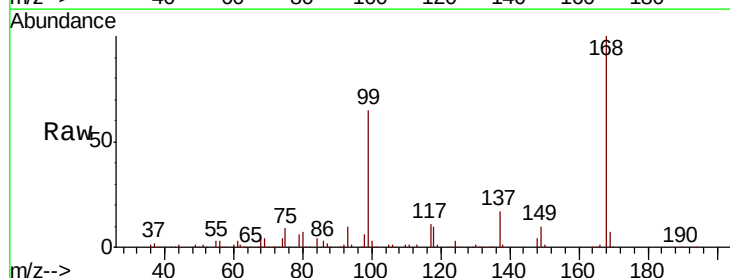
Tgt Ion: 75 Resp: 22042

Ion Ratio Lower Upper

75 100

110 7.5 15.6 46.8#

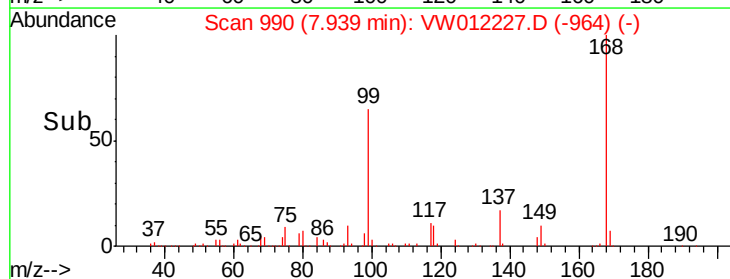
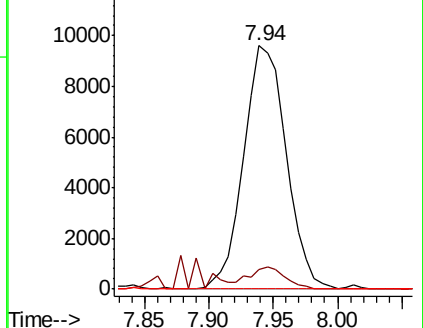
77 0.0 24.6 36.8#

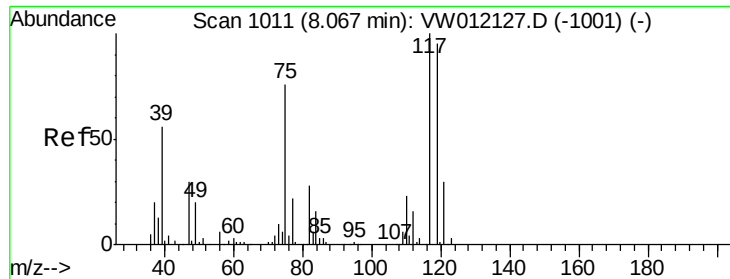


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampled :

T1-S2(0)

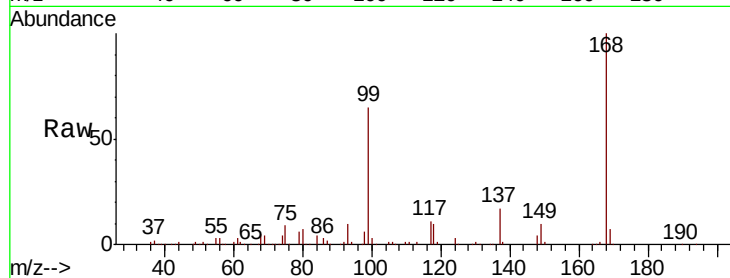
Tgt Ion:117 Resp: 25834

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

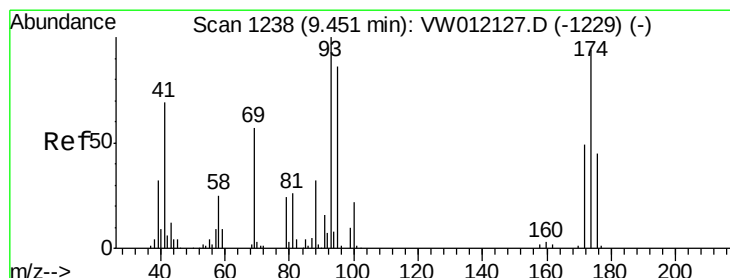
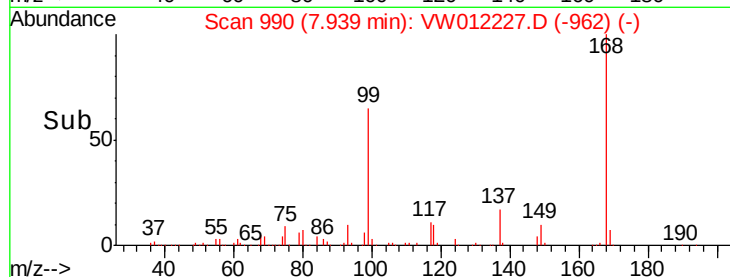
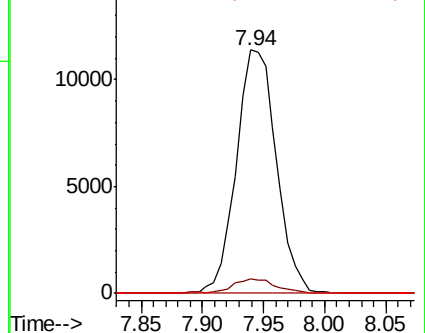
121 0.0 23.8 35.8#



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: 1.257 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.24 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

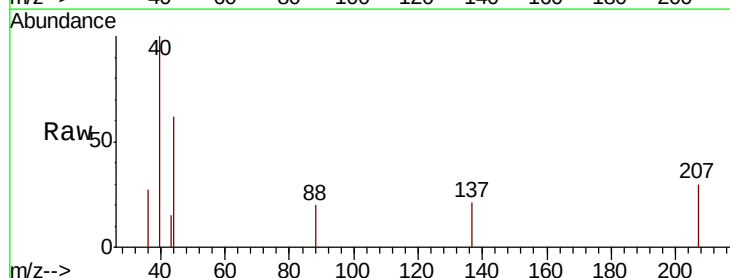
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 375.0 32.9 49.3#

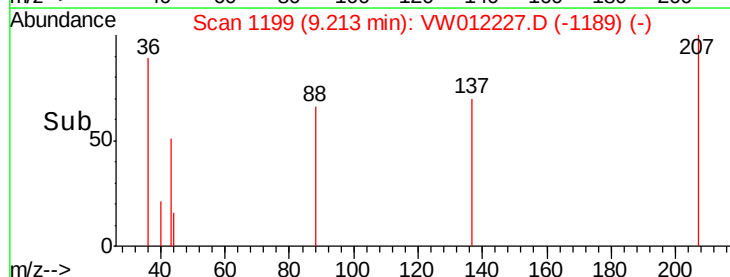
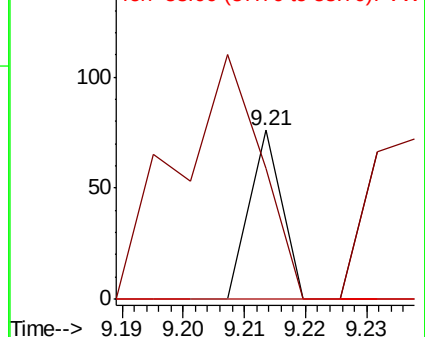
58 0.0 71.0 106.4#

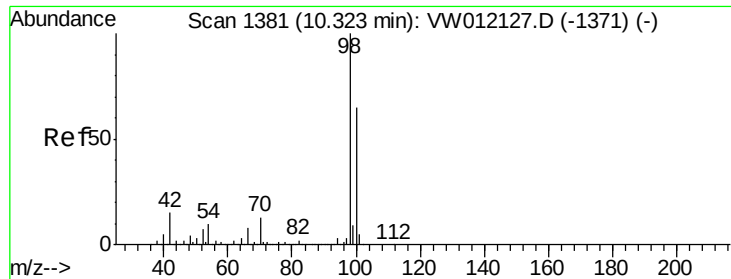


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

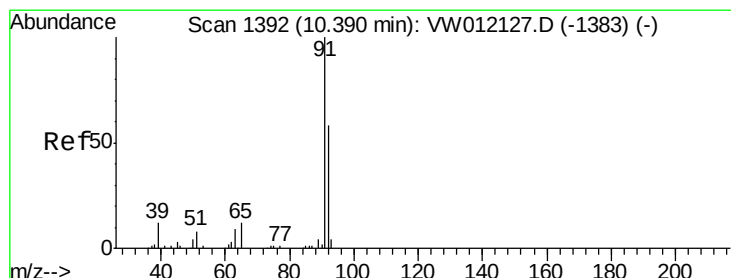
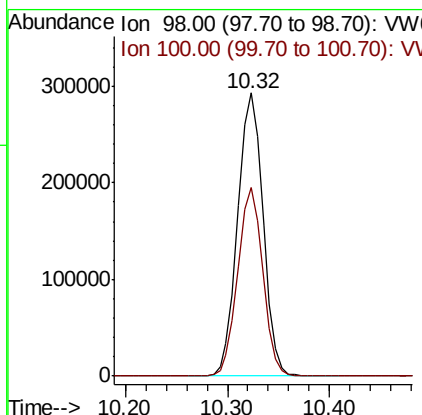
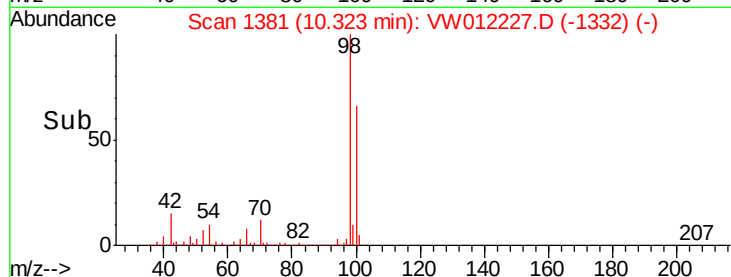
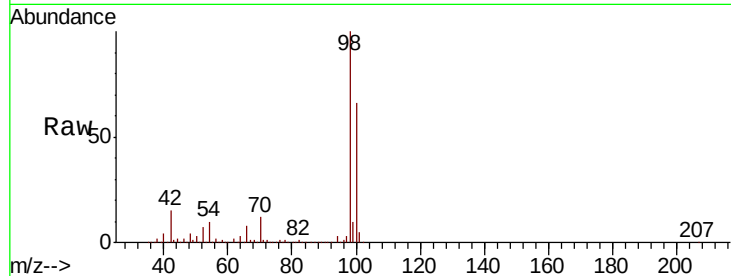




#50
Toluene-d8
Concen: 48.510 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012227.D
Acq: 28 Aug 2019 01:59

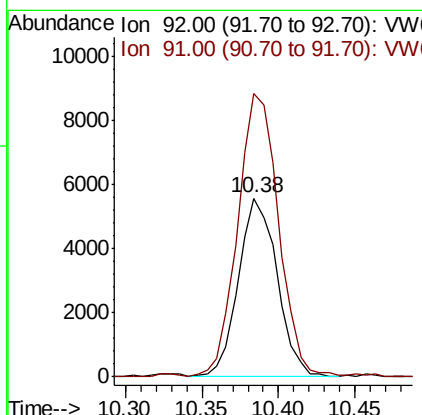
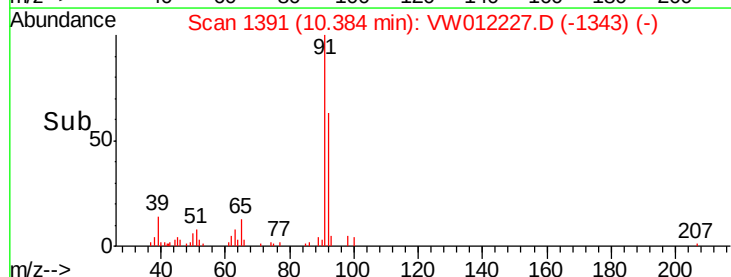
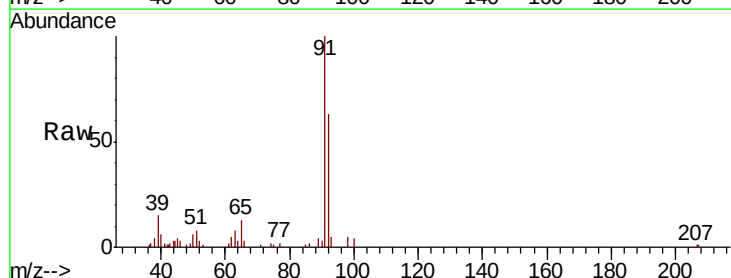
Instrument :
MSVOA_W
ClientSampleId :
T1-S2(0)

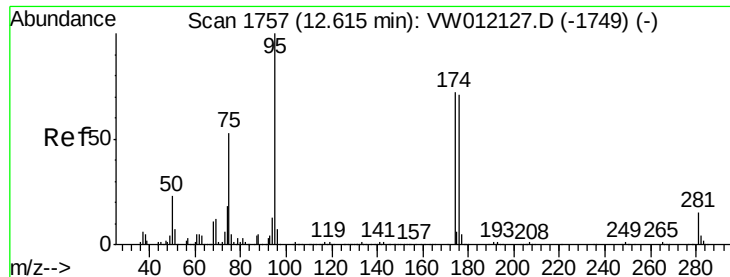
Tgt Ion: 98 Resp: 505501
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#52
Toluene
Concen: 1.346 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012227.D
Acq: 28 Aug 2019 01:59

Tgt Ion: 92 Resp: 9827
Ion Ratio Lower Upper
92 100
91 167.1 136.6 204.8

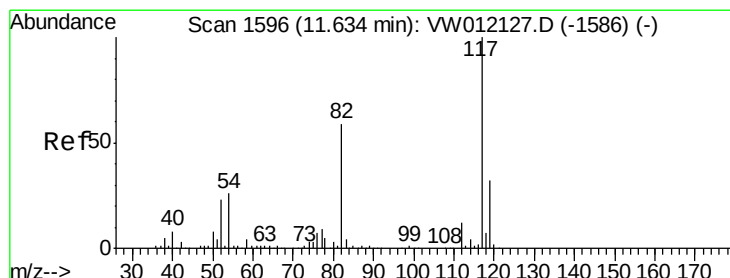
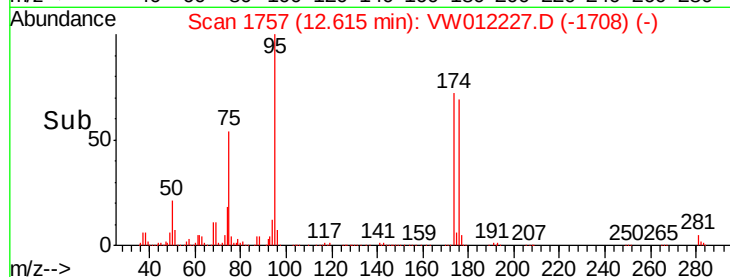
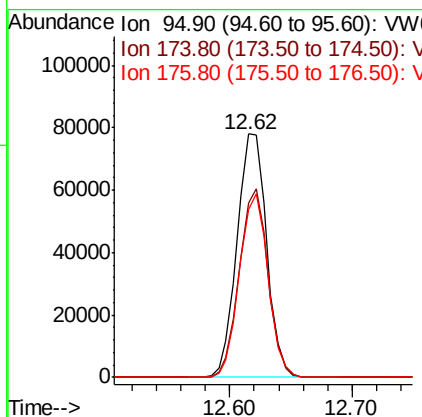
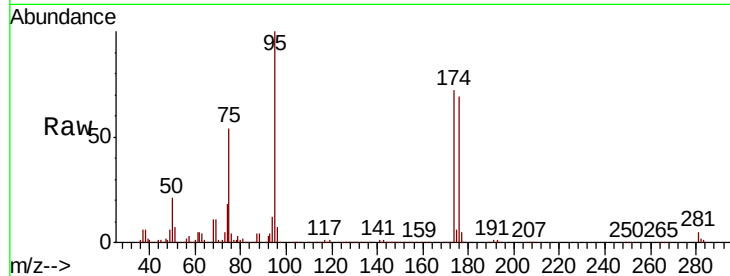




#62
4-Bromofluorobenzene
Concen: 35.533 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012227.D
Acq: 28 Aug 2019 01:59

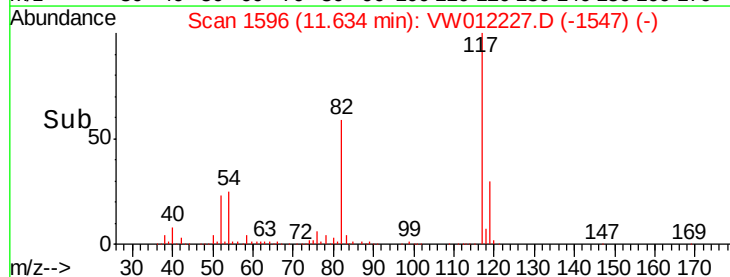
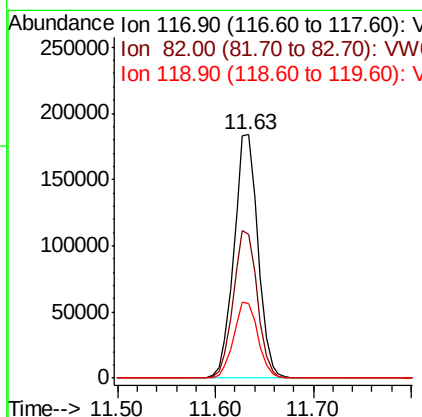
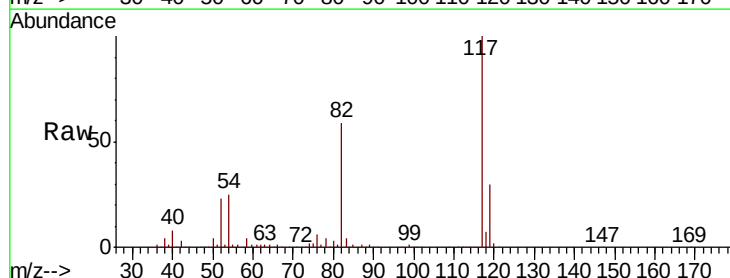
Instrument :
MSVOA_W
ClientSampleId :
T1-S2(0)

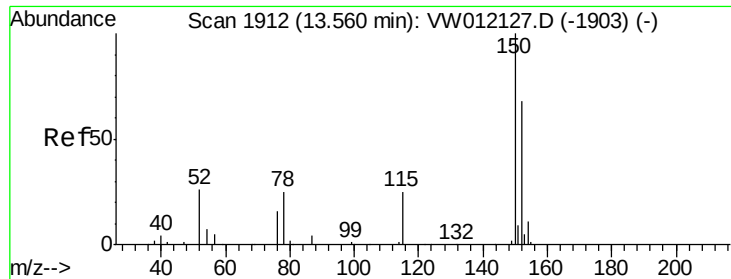
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.8
176	73.3	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012227.D
Acq: 28 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.4	71.2
119	30.5	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: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

T1-S2(0)

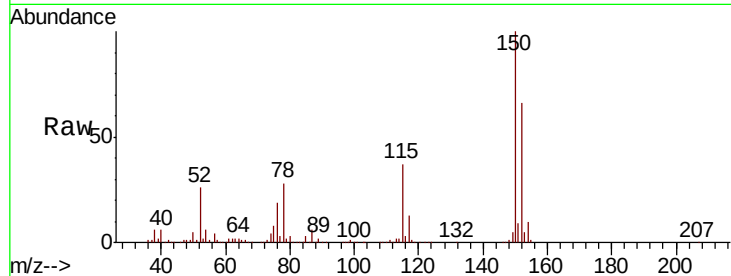
Tgt Ion:152 Resp: 89939

Ion Ratio Lower Upper

152 100

115 58.7 30.1 90.3

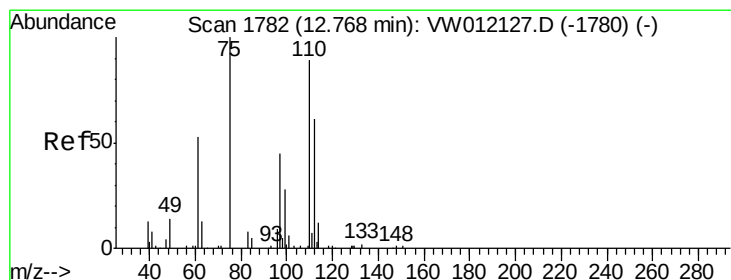
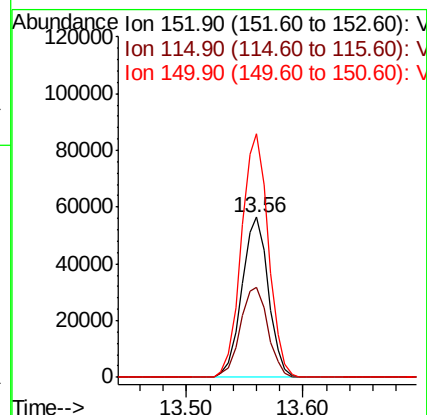
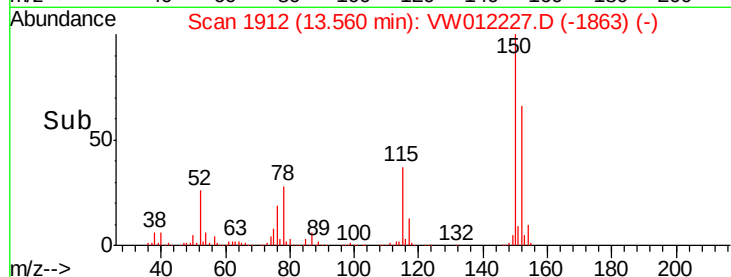
150 154.5 0.0 345.8



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: 78.245 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012227.D

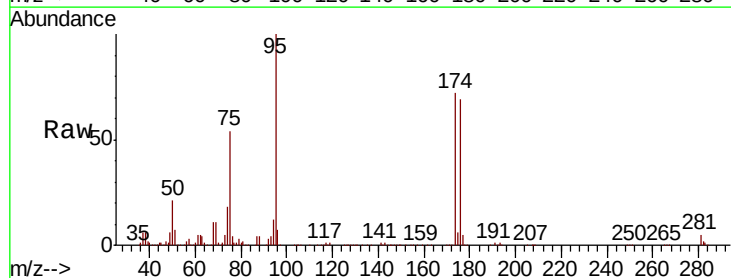
Acq: 28 Aug 2019 01:59

Tgt Ion: 75 Resp: 68538

Ion Ratio Lower Upper

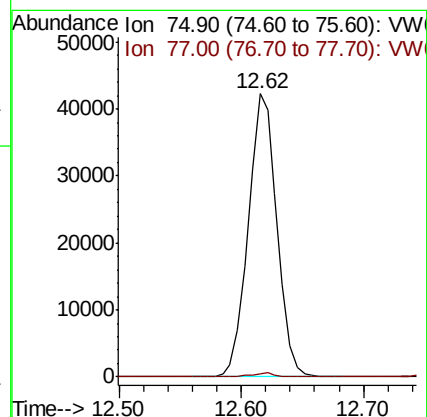
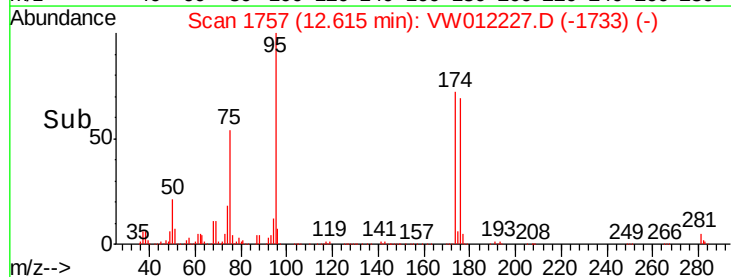
75 100

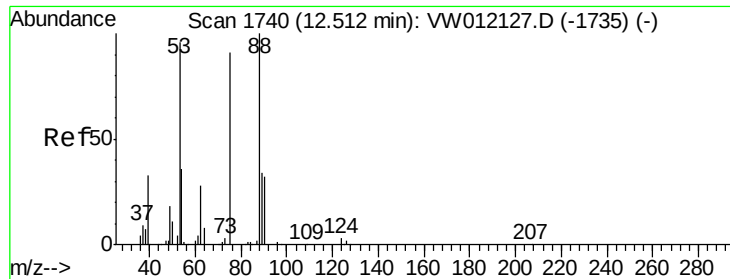
77 1.2 0.0 0.0#



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: 171.555 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

Instrument :

MSVOA_W

ClientSampleId :

T1-S2(0)

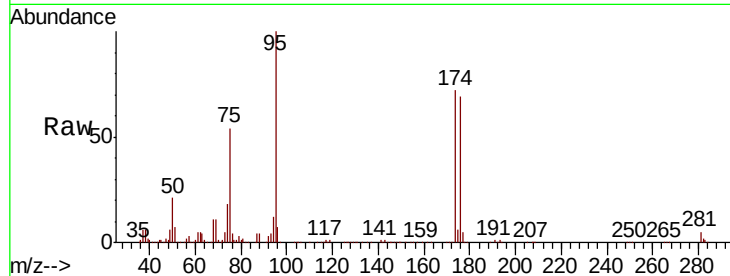
Tgt Ion: 75 Resp: 68538

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

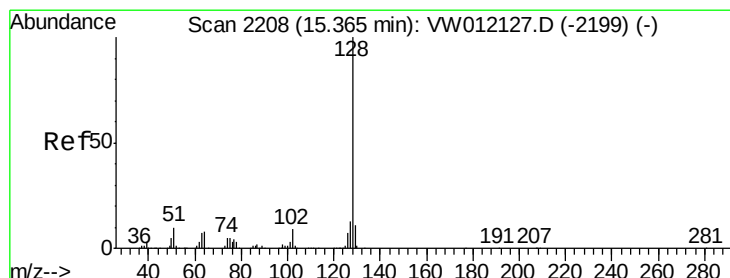
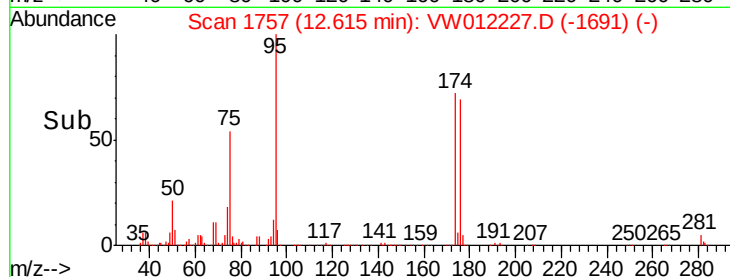
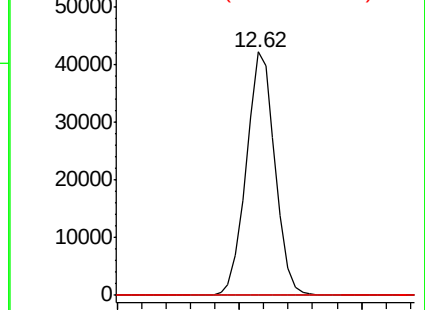
89 0.0 34.5 51.7#



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: 4.642 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012227.D

Acq: 28 Aug 2019 01:59

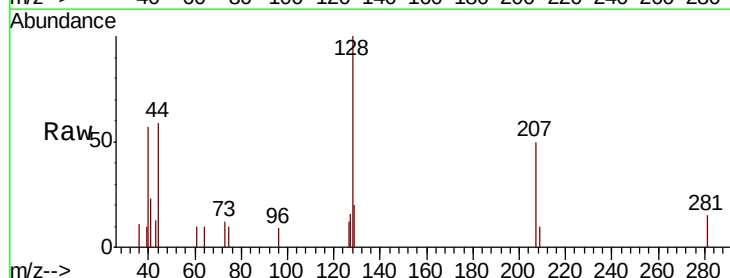
Tgt Ion: 128 Resp: 1191

Ion Ratio Lower Upper

128 100

127 19.3 10.7 16.1#

129 8.6 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

