

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012095.D
 Acq On : 22 Aug 2019 02:21
 Operator : SY/VA
 Sample : K4403-19
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-K1-(0)

Quant Time: Aug 22 05:22:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	442313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127188	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	170314	56.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.58%	
35) Dibromofluoromethane	7.88	113	134440	54.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.36%	
50) Toluene-d8	10.32	98	556998	54.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.62	95	165718	45.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.50%	

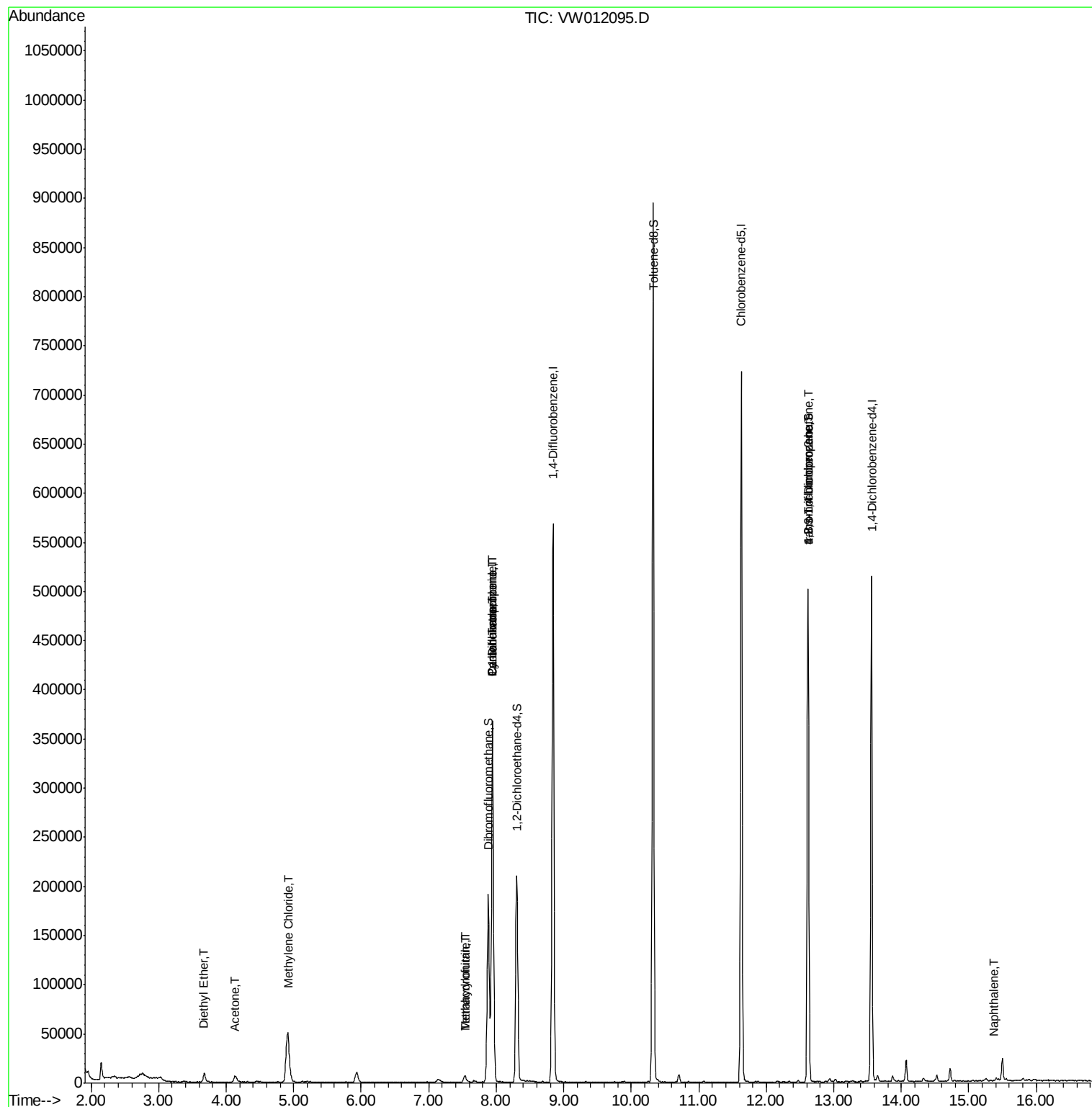
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	4305	2.771	ug/l	90
11) Tert butyl alcohol	5.18	59	943	Below Cal	#	89
16) Acetone	4.13	43	13505	14.031	ug/l	99
20) Methylene Chloride	4.92	84	37994	11.446	ug/l	98
29) Tetrahydrofuran	7.54	42	6028	8.373	ug/l	95
31) Cyclohexane	7.95	56	6573	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22553	4.904	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25650	6.515	ug/l #	16
41) Methacrylonitrile	7.54	41	3703	2.341	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	87925	65.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87925	150.570	ug/l #	6
95) Naphthalene	15.37	128	159	2.096	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW012095.D

Acq: 22 Aug 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

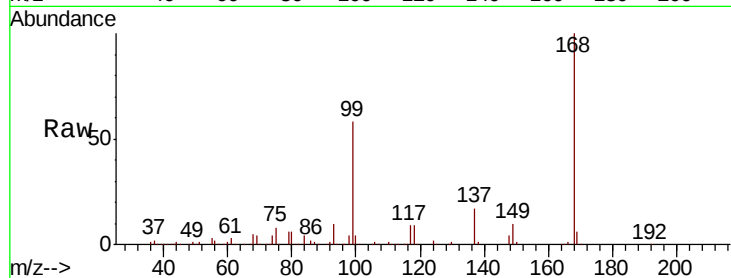
T1-K1-(0)

Tgt Ion:168 Resp: 263508

Ion Ratio Lower Upper

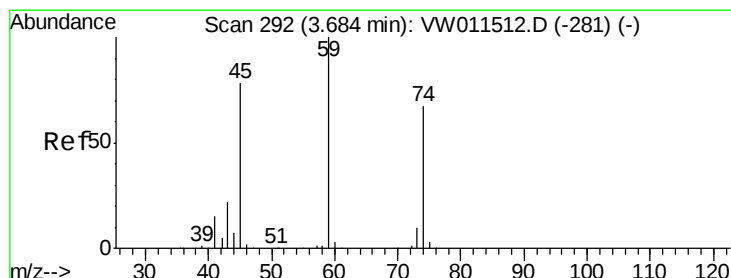
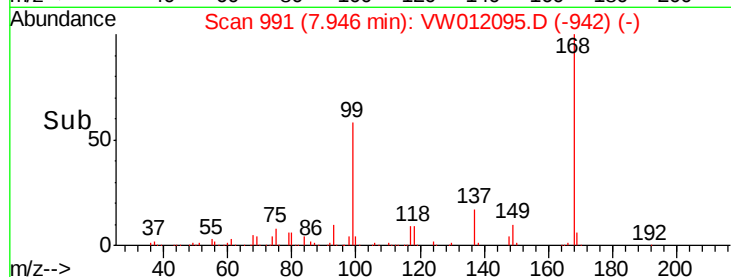
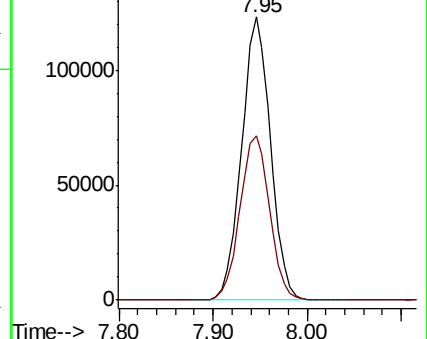
168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.771 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012095.D

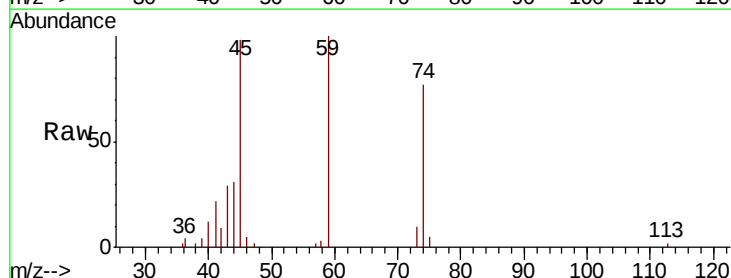
Acq: 22 Aug 2019 02:21

Tgt Ion: 74 Resp: 4305

Ion Ratio Lower Upper

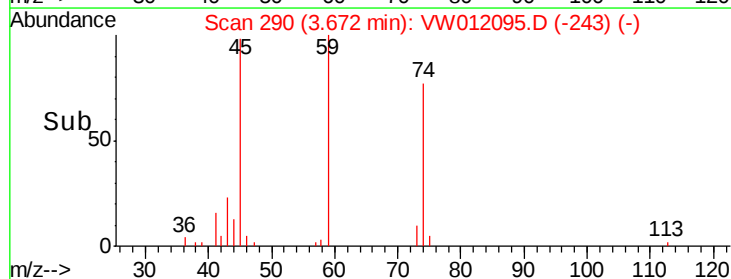
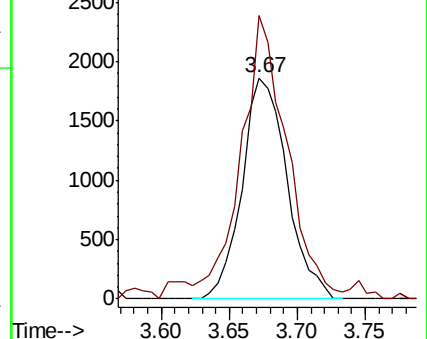
74 100

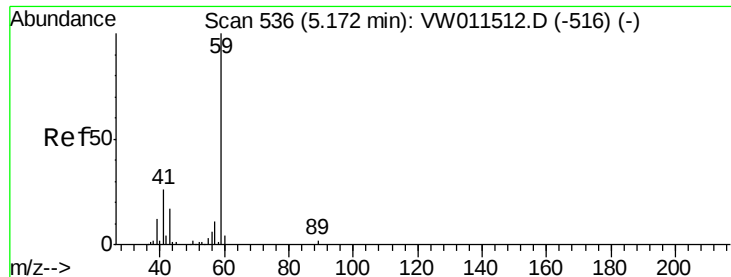
45 130.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

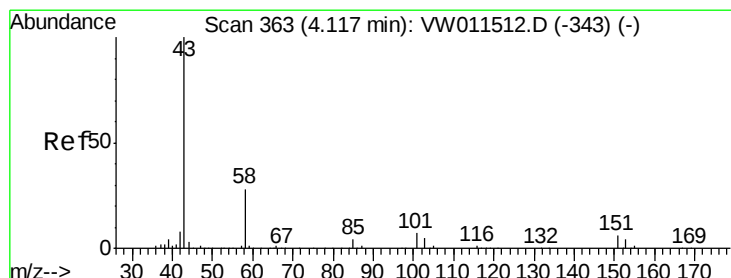
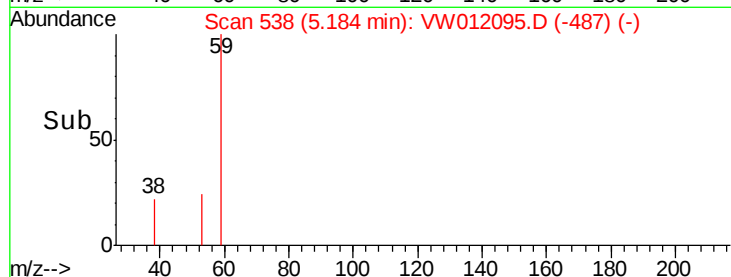
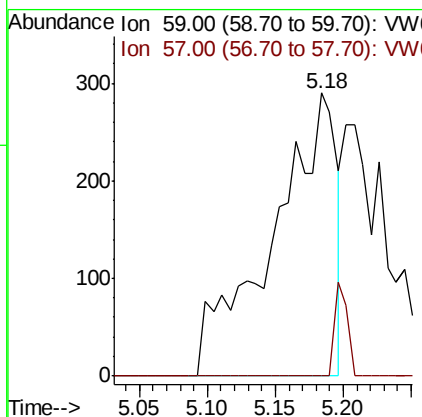
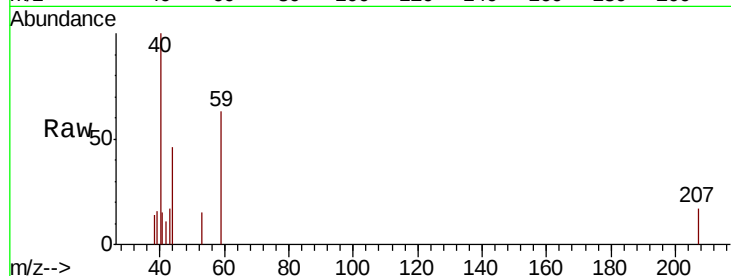




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

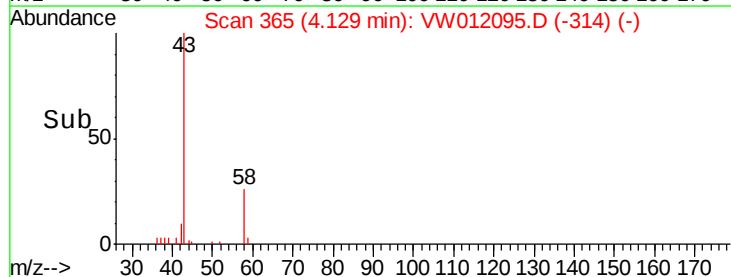
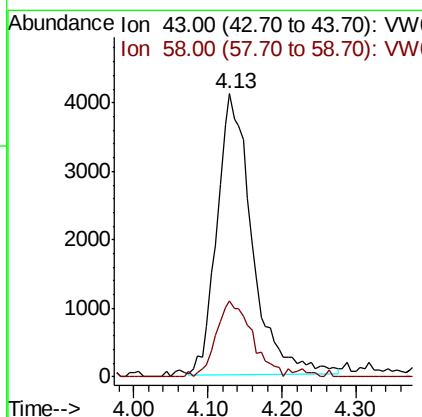
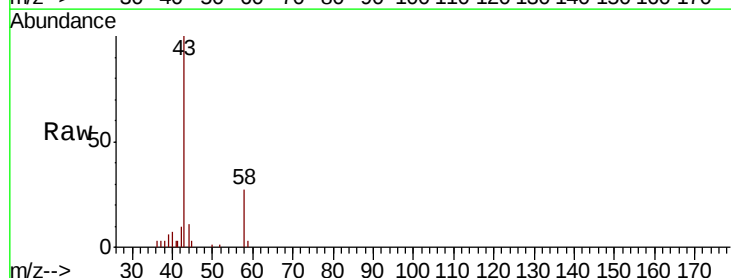
Instrument :
MSVOA_W
ClientSampleId :
T1-K1-(0)

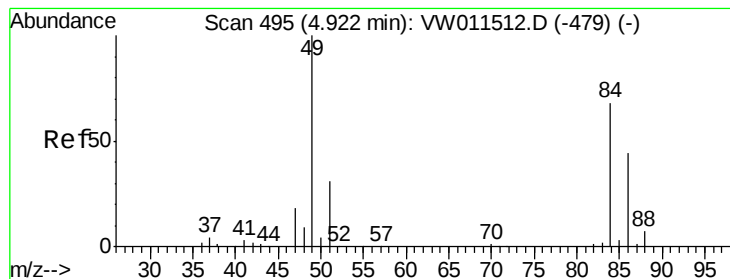
Tgt Ion: 59 Resp: 943
Ion Ratio Lower Upper
59 100
57 6.5 8.5 12.7#



#16
Acetone
Concen: 14.031 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

Tgt Ion: 43 Resp: 13505
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5





#20

Methylene Chloride

Concen: 11.446 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T1-K1-(0)

Tgt Ion: 84 Resp: 37994

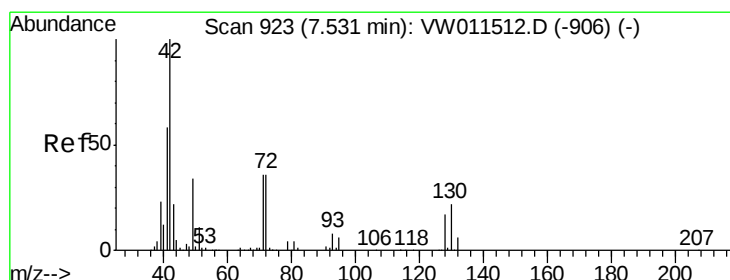
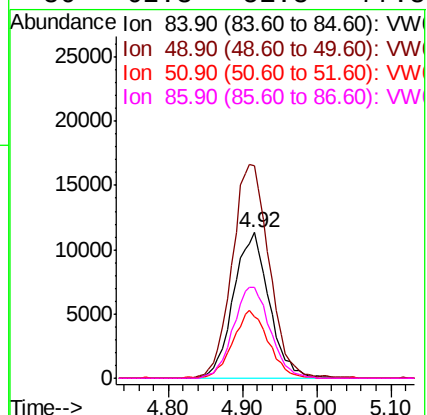
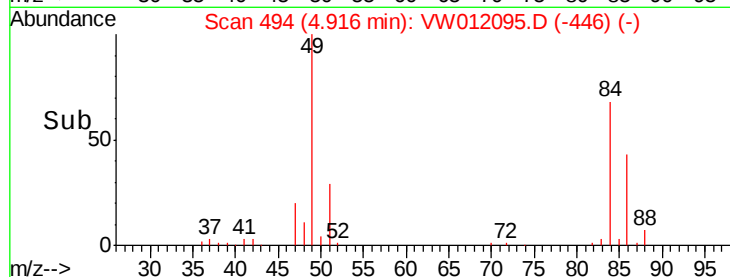
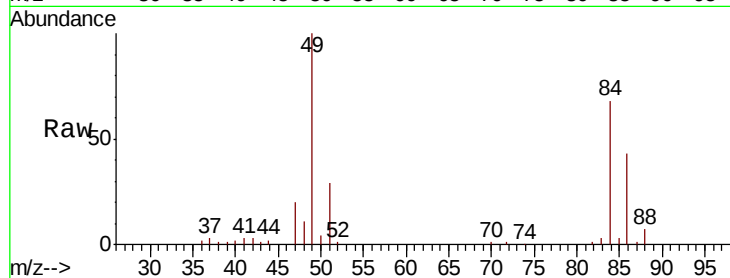
Ion Ratio Lower Upper

84 100

49 146.1 117.8 176.6

51 42.4 37.0 55.4

86 62.3 51.8 77.8



#29

Tetrahydrofuran

Concen: 8.373 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

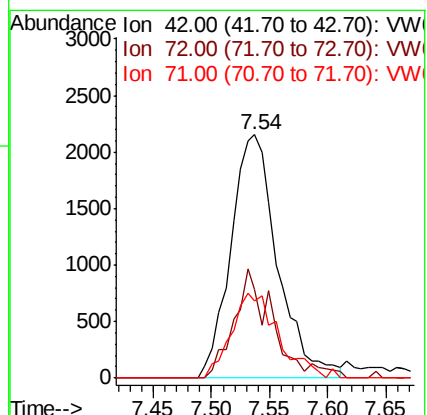
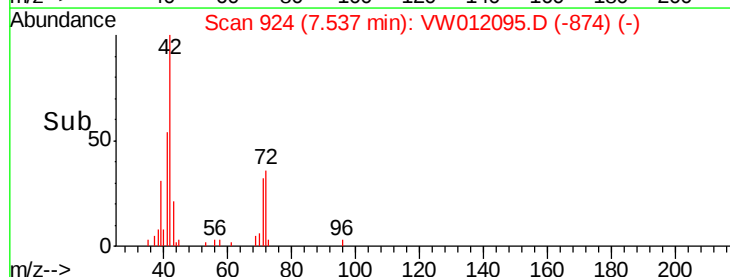
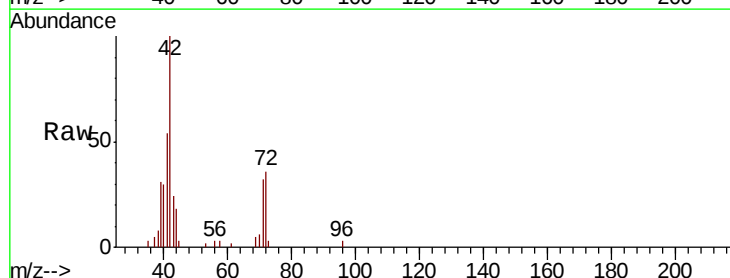
Tgt Ion: 42 Resp: 6028

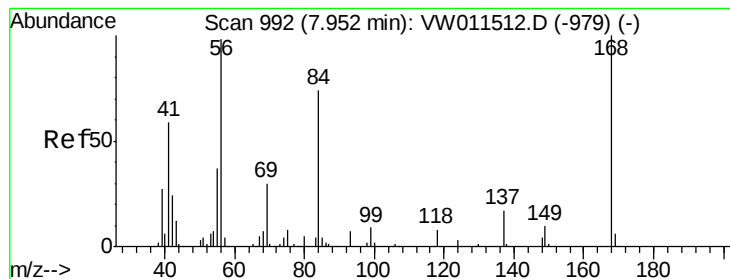
Ion Ratio Lower Upper

42 100

72 37.4 27.1 40.7

71 34.7 26.2 39.4





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T1-K1-(0)

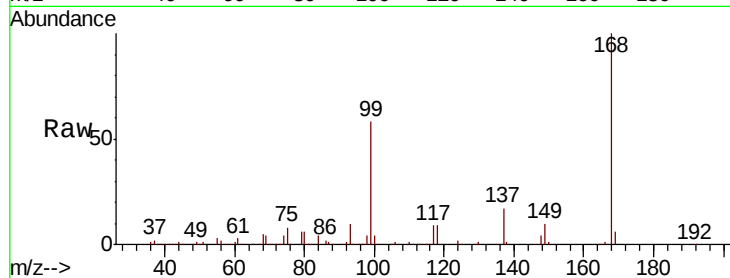
Tgt Ion: 56 Resp: 6573

Ion Ratio Lower Upper

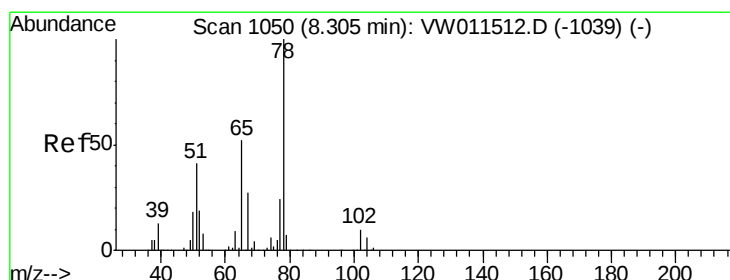
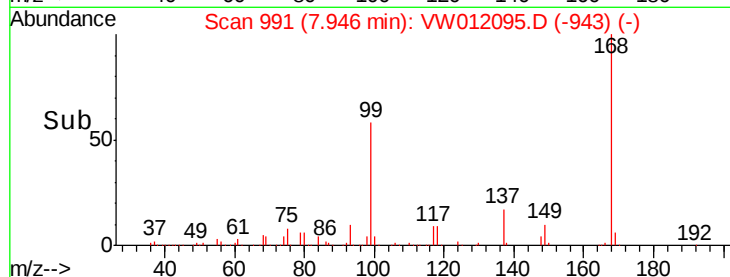
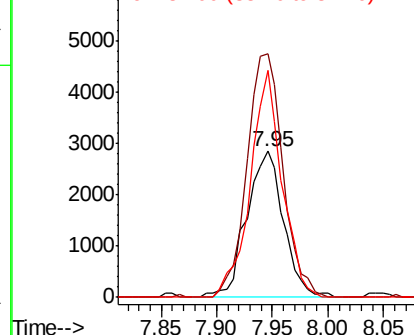
56 100

69 166.9 24.3 36.5#

84 156.0 60.4 90.6#



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: 56.287 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012095.D

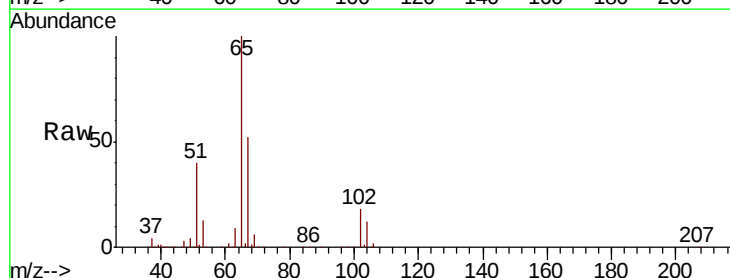
Acq: 22 Aug 2019 02:21

Tgt Ion: 65 Resp: 170314

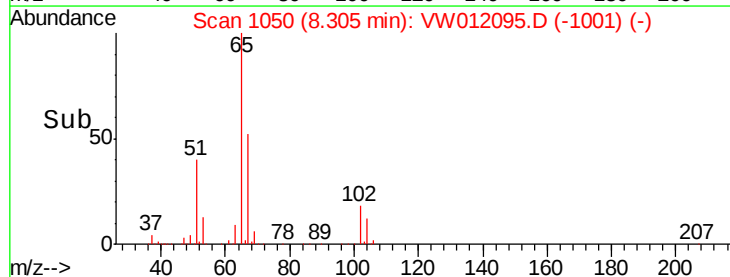
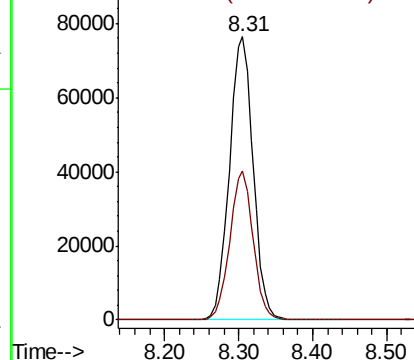
Ion Ratio Lower Upper

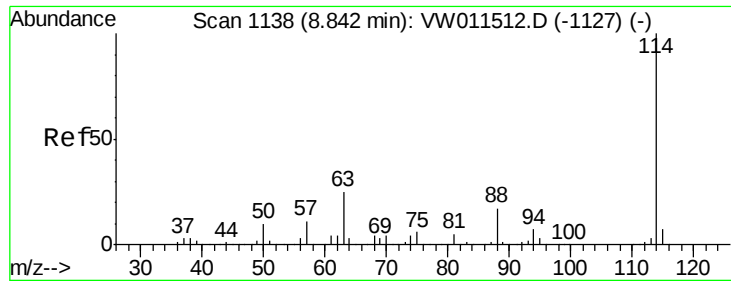
65 100

67 51.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

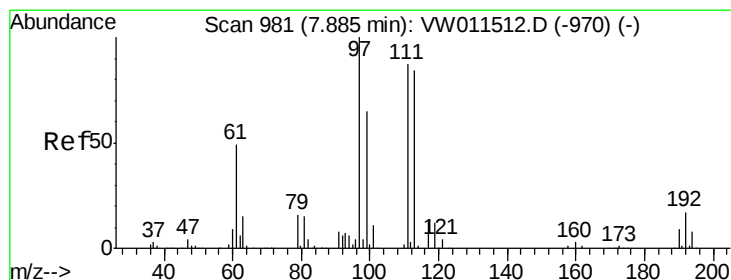
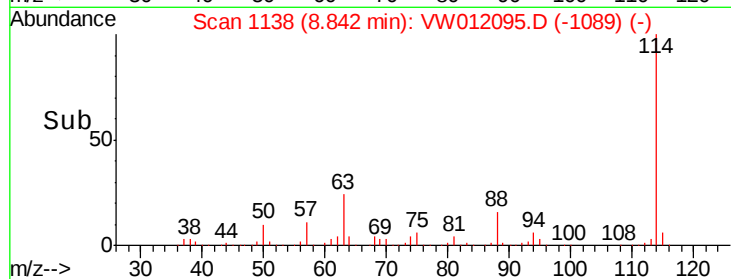
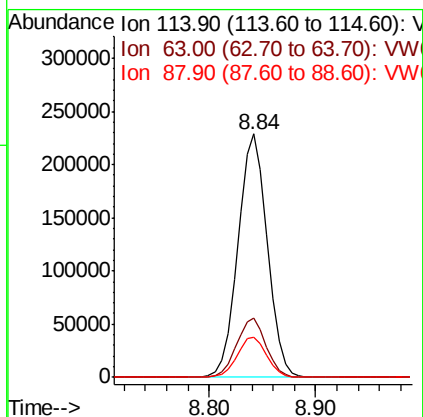
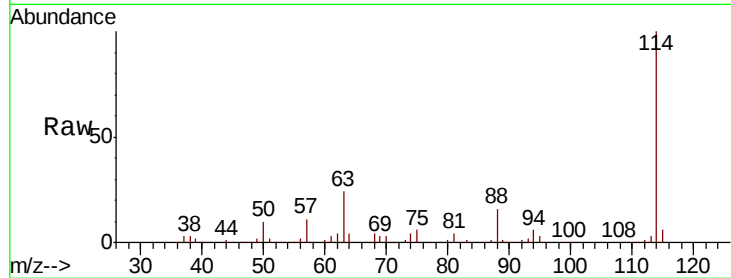




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012095.D
 Acq: 22 Aug 2019 02:21

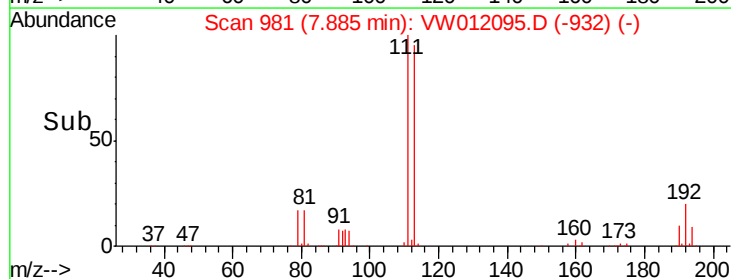
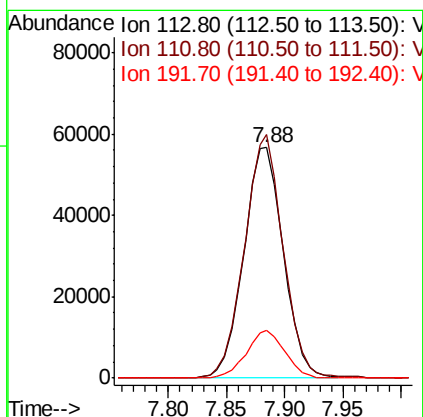
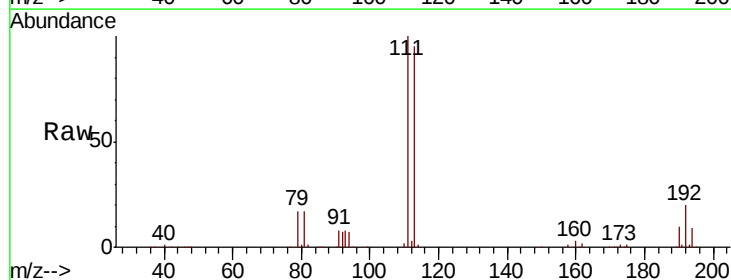
Instrument :
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 ClientSampleId :
 T1-K1-(0)

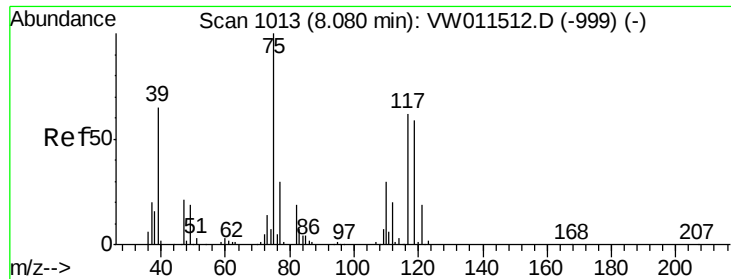
Tgt Ion:114 Resp: 442313
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.178 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012095.D
 Acq: 22 Aug 2019 02:21

Tgt Ion:113 Resp: 134440
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.2 16.1 24.1

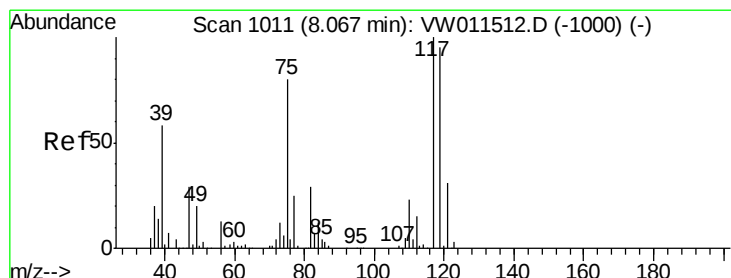
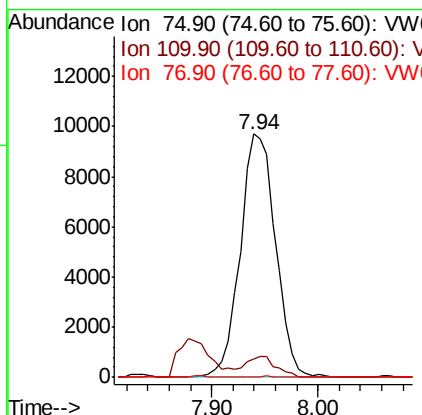
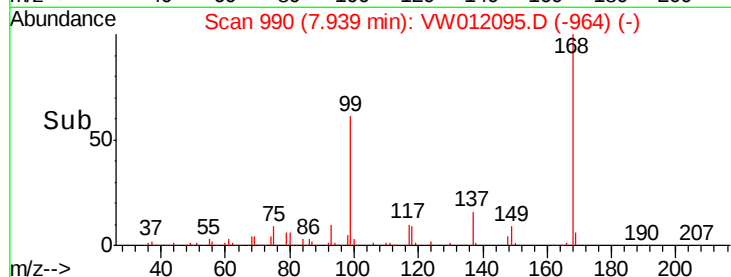
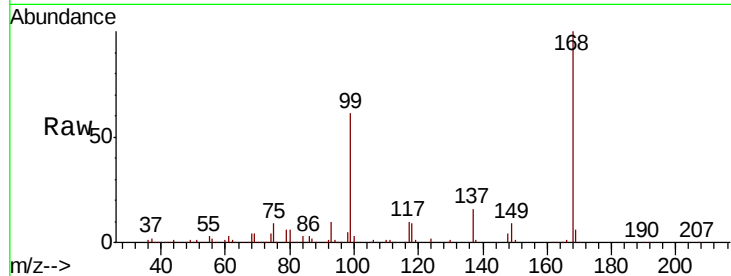




#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012095.D
 Acq: 22 Aug 2019 02:21

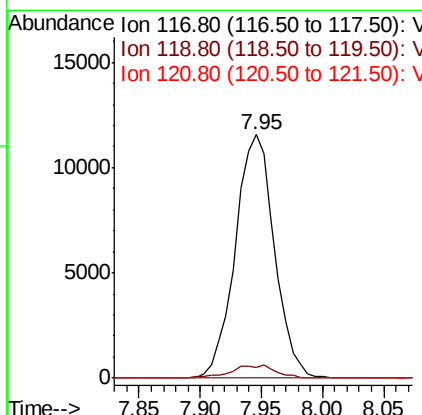
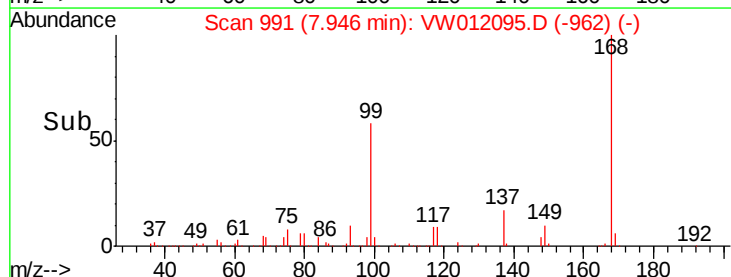
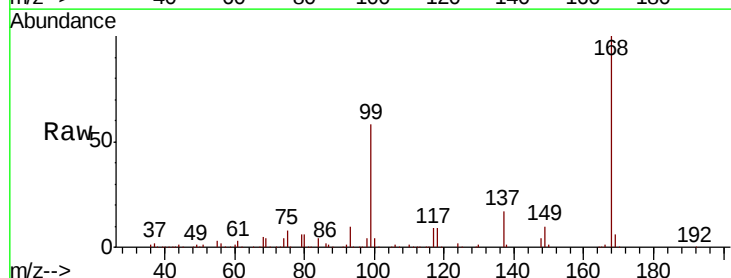
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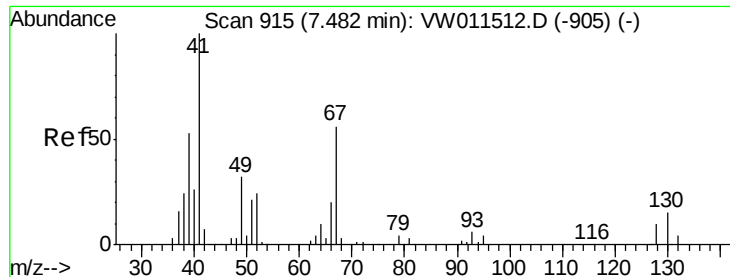
Tgt Ion: 75 Resp: 22553
 Ion Ratio Lower Upper
 75 100
 110 7.3 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.515 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012095.D
 Acq: 22 Aug 2019 02:21

Tgt Ion: 117 Resp: 25650
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.8 113.6#
 121 0.0 24.7 37.1#

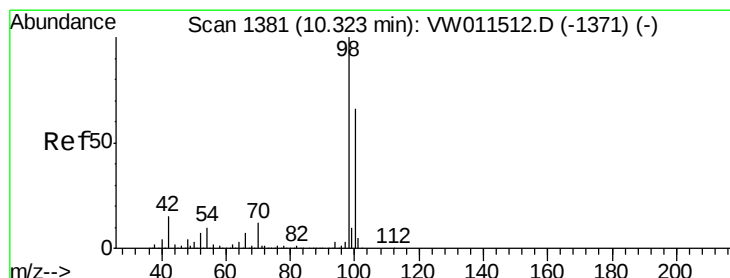
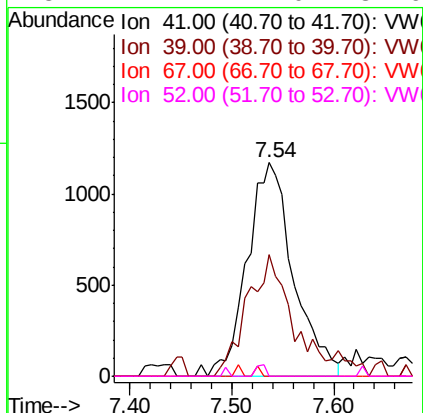
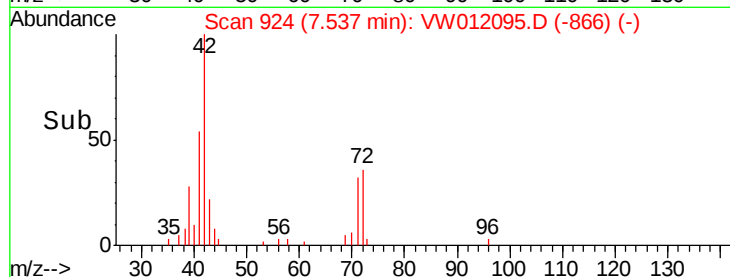
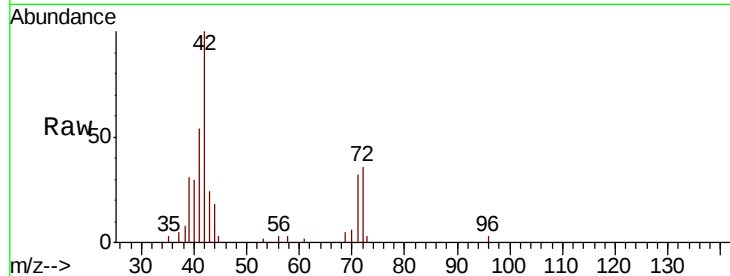




#41
Methacrylonitrile
Concen: 2.341 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

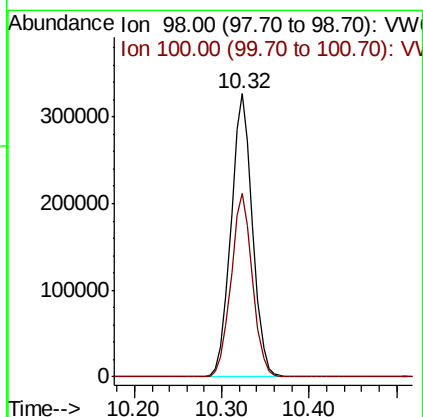
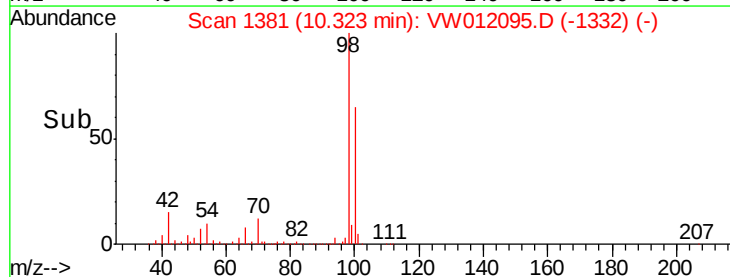
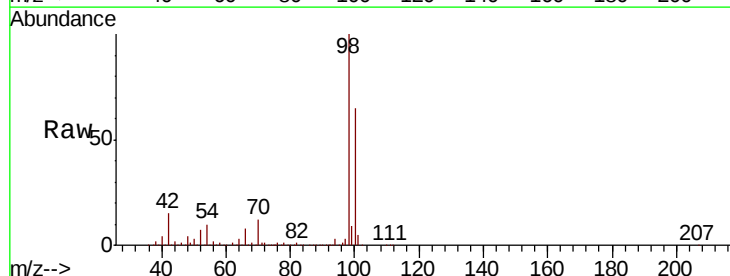
Instrument :
MSVOA_W
ClientSampled :
T1-K1-(0)

Tgt Ion: 41 Resp: 3703
Ion Ratio Lower Upper
41 100
39 54.3 43.0 64.4
67 0.5 47.5 71.3#
52 1.2 21.0 31.6#



#50
Toluene-d8
Concen: 54.824 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

Tgt Ion: 98 Resp: 556998
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

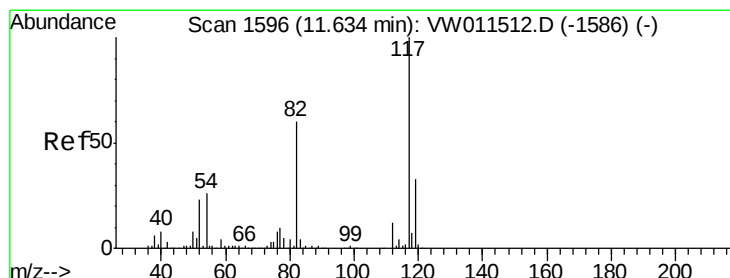
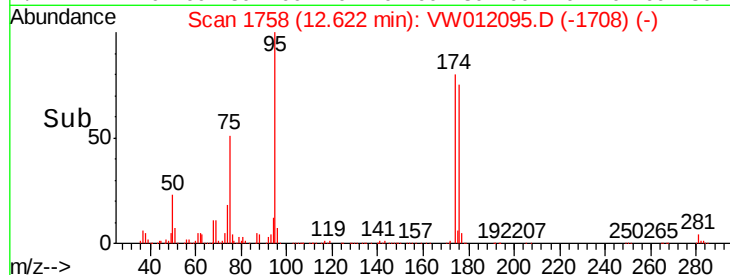
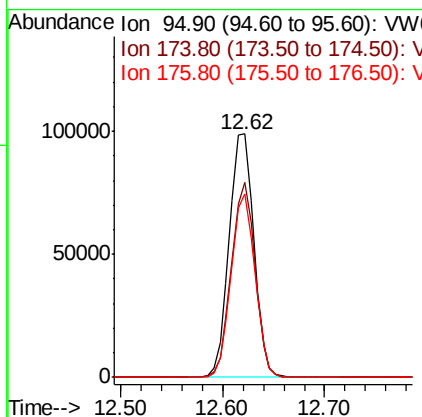
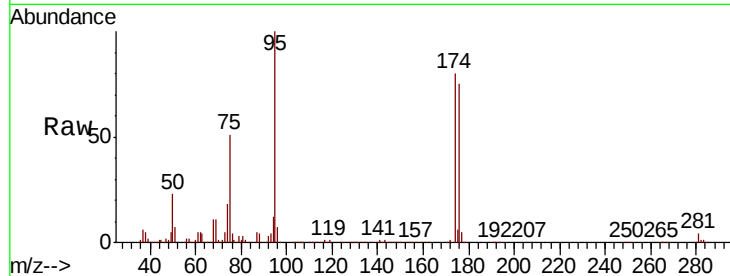




#62
4-Bromofluorobenzene
Concen: 45.751 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

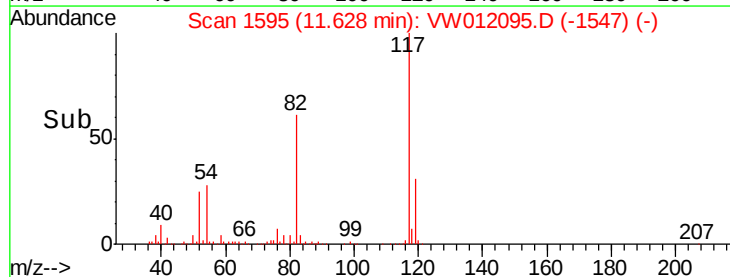
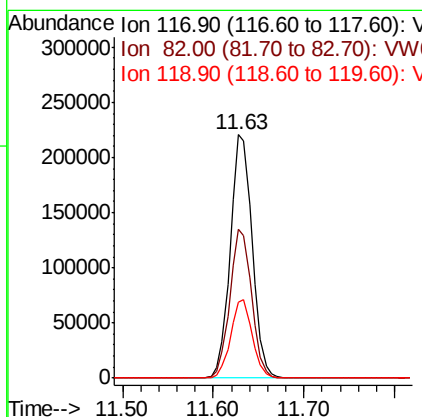
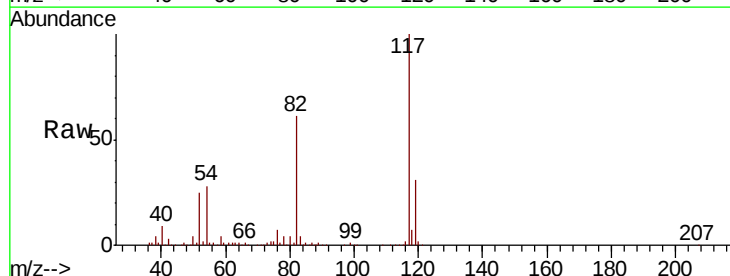
Instrument :
MSVOA_W
ClientSampleId :
T1-K1-(0)

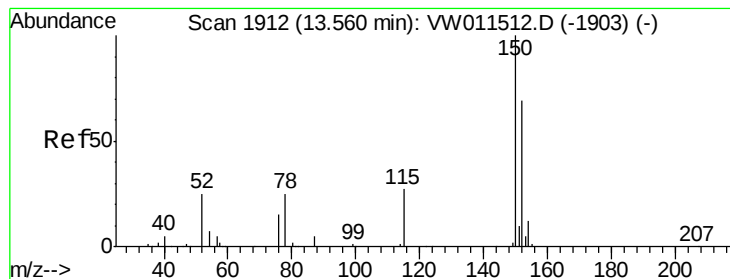
Tgt Ion: 95 Resp: 165718
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.2
176 72.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012095.D
Acq: 22 Aug 2019 02:21

Tgt Ion: 117 Resp: 373769
Ion Ratio Lower Upper
117 100
82 60.9 47.9 71.9
119 31.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T1-K1-(0)

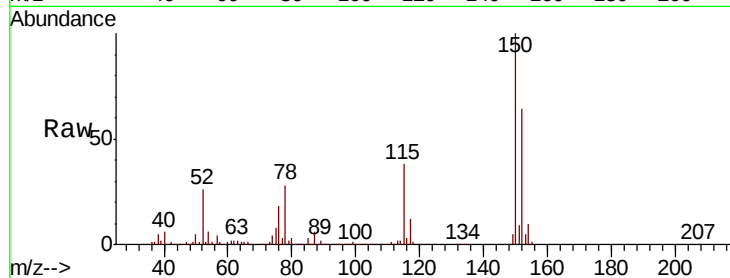
Tgt Ion:152 Resp: 127188

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

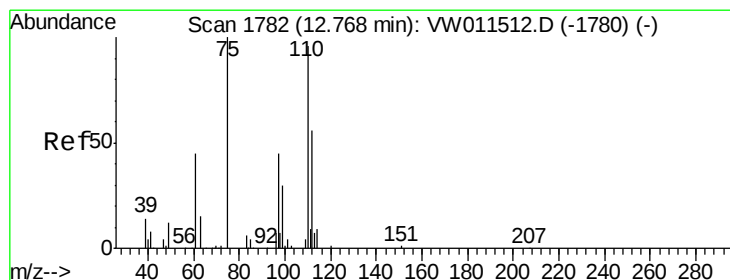
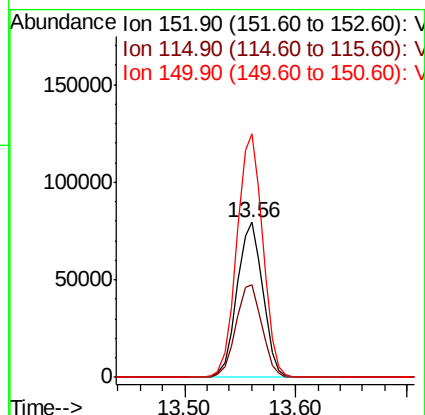
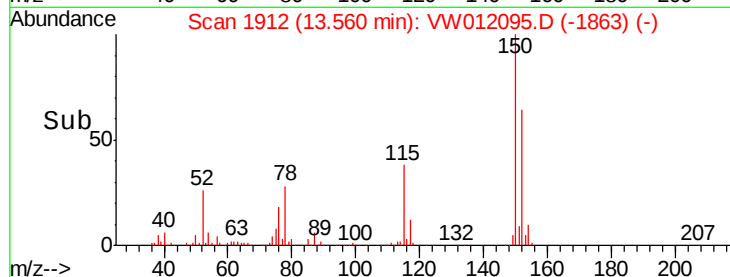
150 157.3 0.0 352.6



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: 65.333 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012095.D

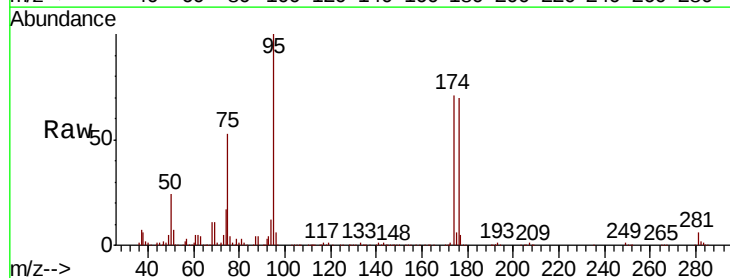
Acq: 22 Aug 2019 02:21

Tgt Ion: 75 Resp: 87925

Ion Ratio Lower Upper

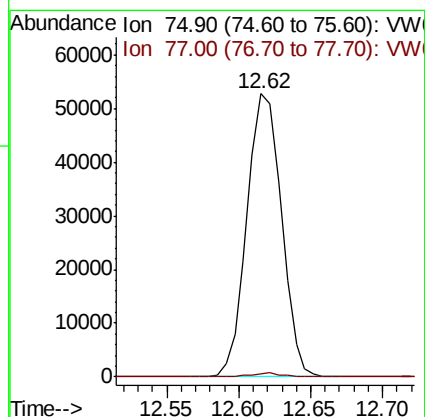
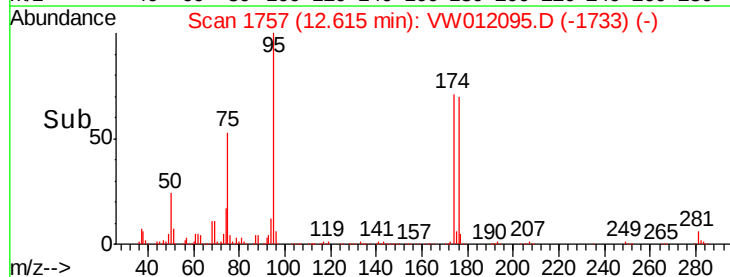
75 100

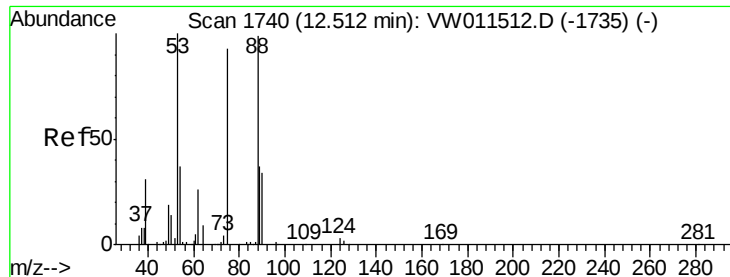
77 1.3 0.0 0.0#



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: 150.570 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T1-K1-(0)

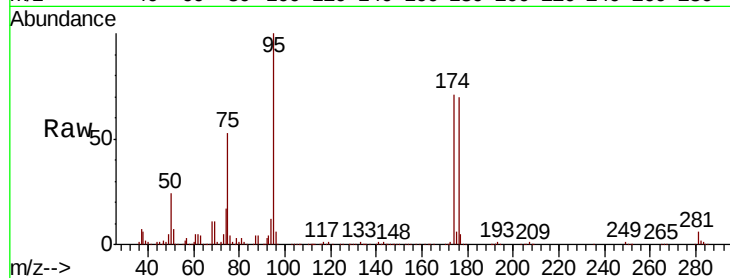
Tgt Ion: 75 Resp: 87925

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

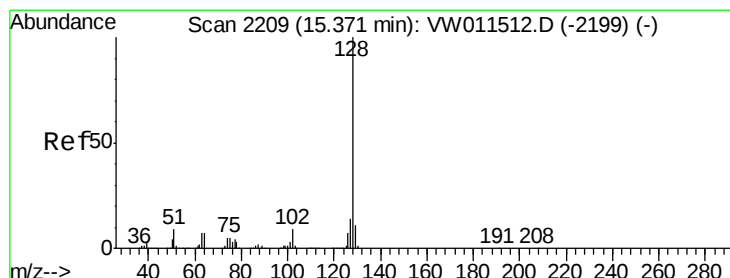
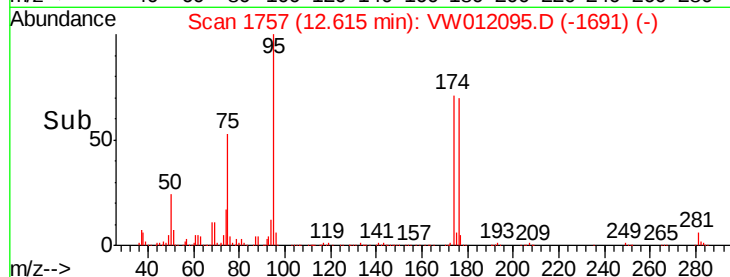
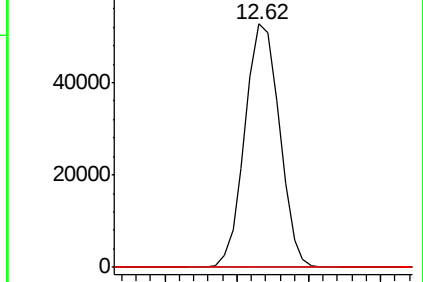
89 0.2 35.3 52.9#



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: 2.096 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012095.D

Acq: 22 Aug 2019 02:21

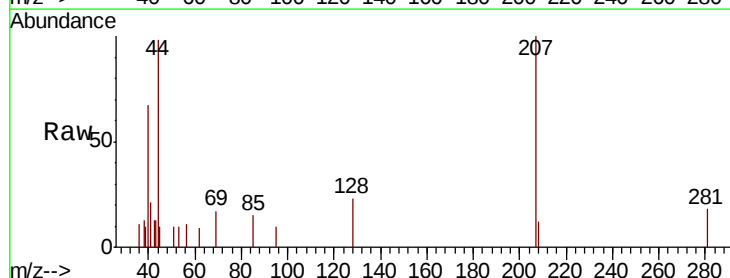
Tgt Ion: 128 Resp: 159

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

