

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012086.D
 Acq On : 21 Aug 2019 22:28
 Operator : SY/VA
 Sample : K4403-07
 Misc : 4.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H2-(2.5)

Quant Time: Aug 22 05:19:46 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

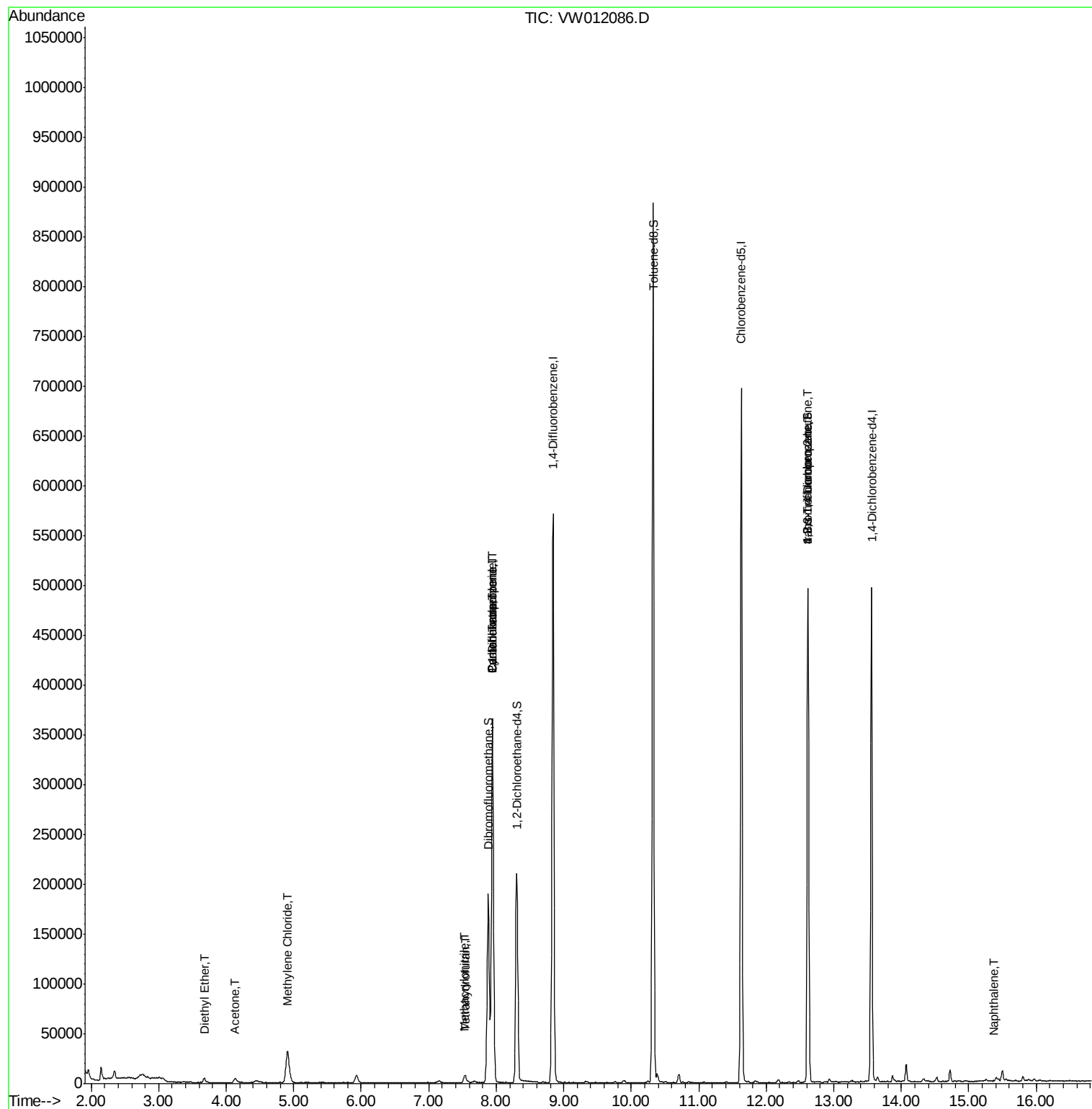
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	170518	55.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.10%	
35) Dibromofluoromethane	7.88	113	136772	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
50) Toluene-d8	10.32	98	551466	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.62	95	162484	44.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.00%	
Target Compounds						
8) Diethyl Ether	3.68	74	2229	1.402	ug/l	76
11) Tert butyl alcohol	5.19	59	505	Below Cal	#	72
16) Acetone	4.14	43	8902	9.035	ug/l	99
20) Methylene Chloride	4.91	84	23747	6.988	ug/l	94
29) Tetrahydrofuran	7.54	42	6431	8.726	ug/l	94
31) Cyclohexane	7.95	56	6959	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23112	4.929	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27330	6.808	ug/l #	17
41) Methacrylonitrile	7.53	41	4212	2.612	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	86044	64.315	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86044	148.224	ug/l #	6
95) Naphthalene	15.36	128	524	2.167	ug/l #	80

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

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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: VW012086.D

Acq: 21 Aug 2019 22:28

Instrument :

MSVOA_W

ClientSampleId :

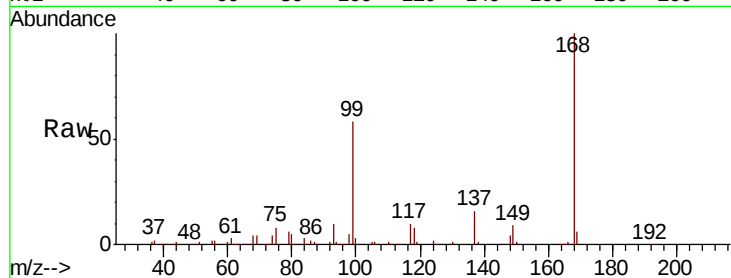
T1-H2-(2.5)

Tgt Ion:168 Resp: 269749

Ion Ratio Lower Upper

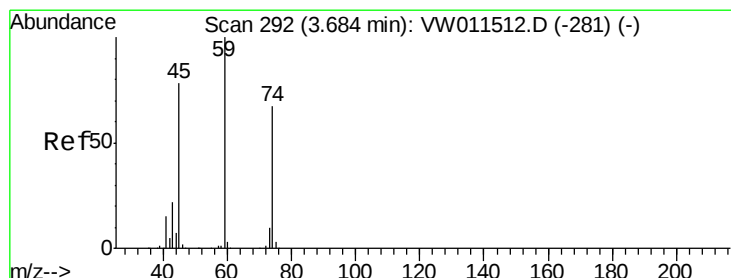
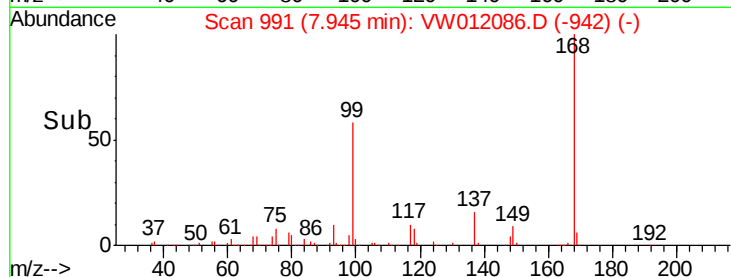
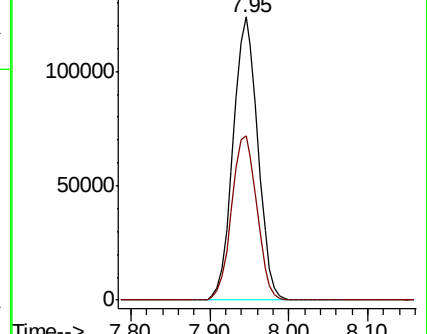
168 100

99 58.0 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: 1.402 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW012086.D

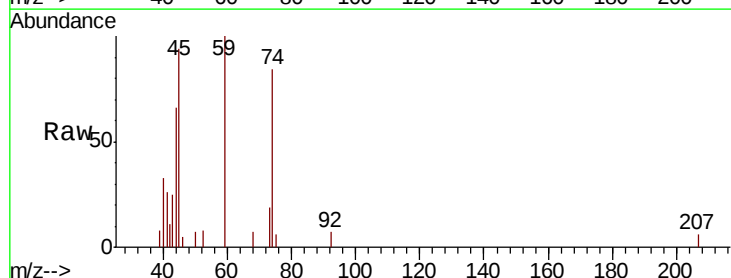
Acq: 21 Aug 2019 22:28

Tgt Ion: 74 Resp: 2229

Ion Ratio Lower Upper

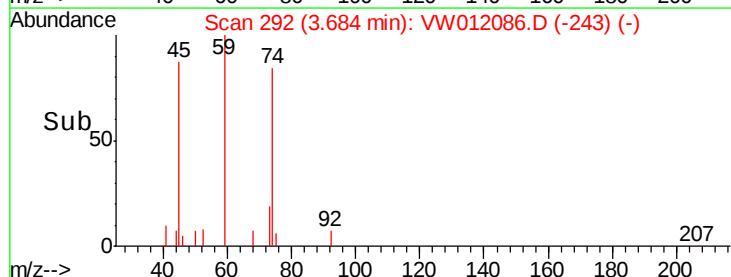
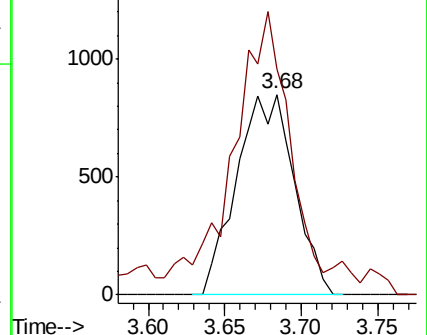
74 100

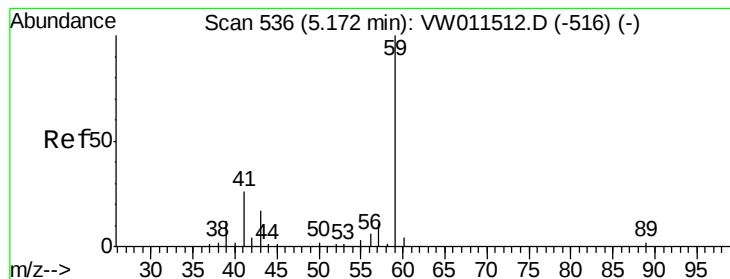
45 146.3 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



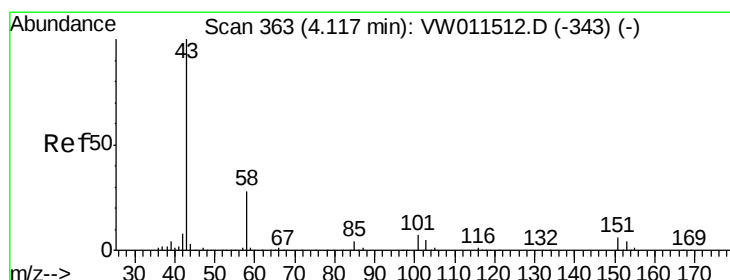
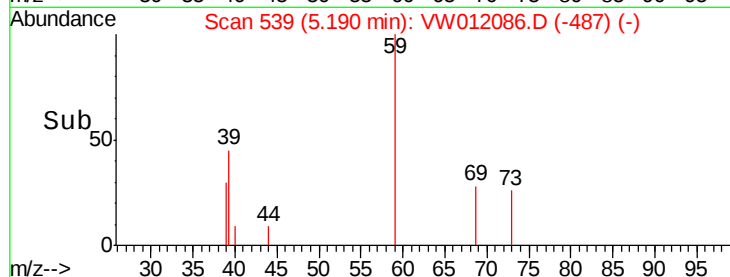
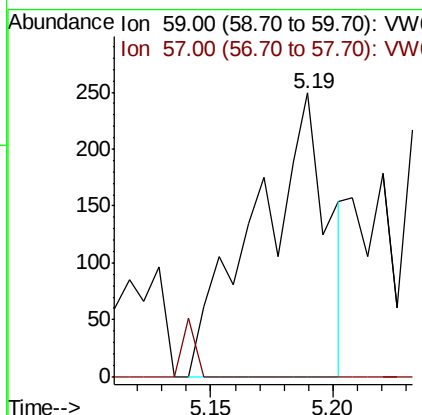
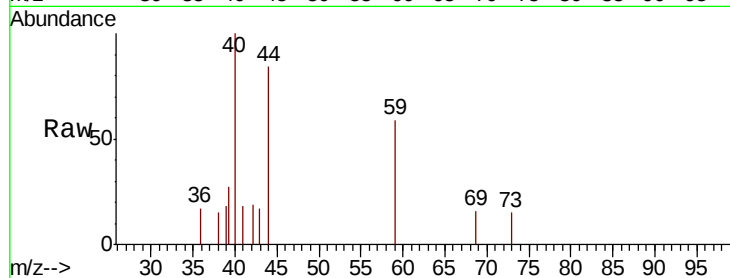


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H2-(2.5)

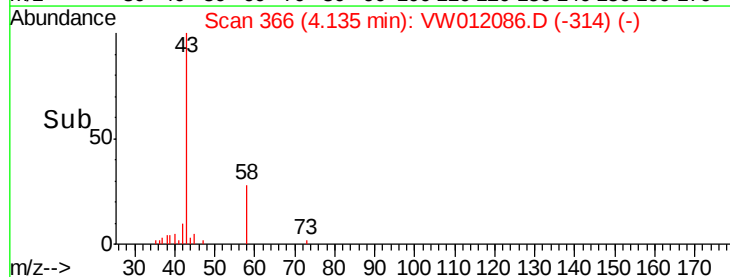
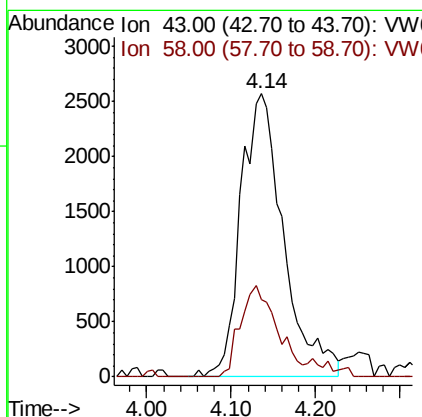
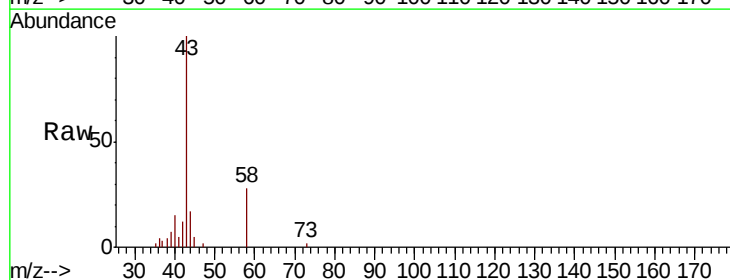
Tgt Ion: 59 Resp: 505
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

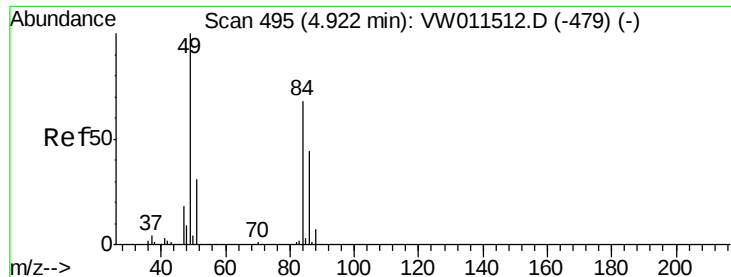


#16

Acetone
 Concen: 9.035 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

Tgt Ion: 43 Resp: 8902
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.3 33.5

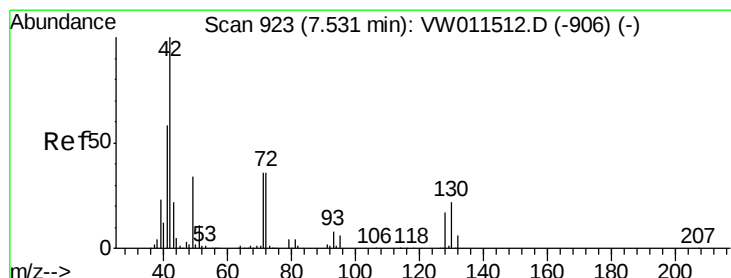
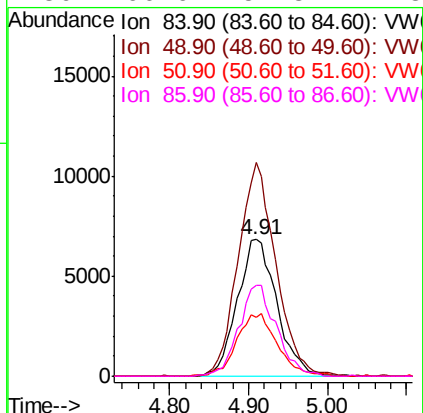
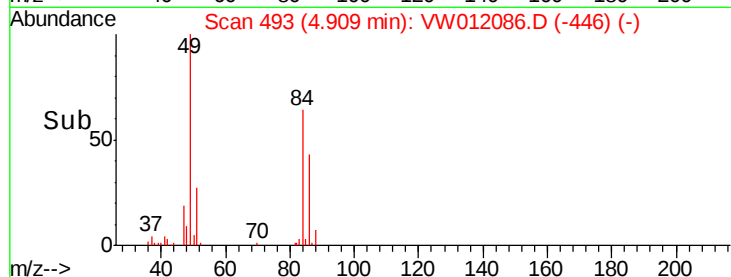
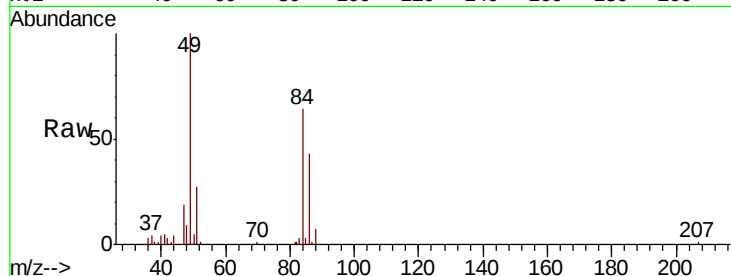




#20
Methylene Chloride
Concen: 6.988 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012086.D
Acq: 21 Aug 2019 22:28

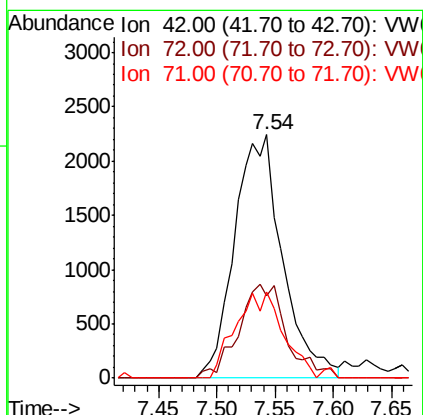
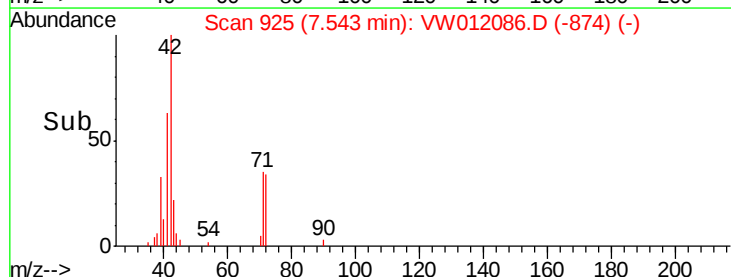
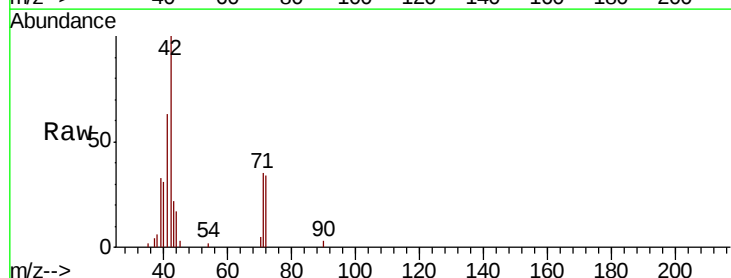
Instrument :
MSVOA_W
ClientSampleId :
T1-H2-(2.5)

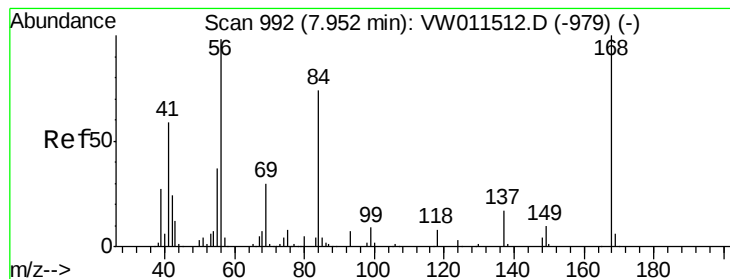
Tgt Ion: 84 Resp: 23747
Ion Ratio Lower Upper
84 100
49 156.2 117.8 176.6
51 42.9 37.0 55.4
86 66.6 51.8 77.8



#29
Tetrahydrofuran
Concen: 8.726 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012086.D
Acq: 21 Aug 2019 22:28

Tgt Ion: 42 Resp: 6431
Ion Ratio Lower Upper
42 100
72 38.6 27.1 40.7
71 35.0 26.2 39.4





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(2.5)

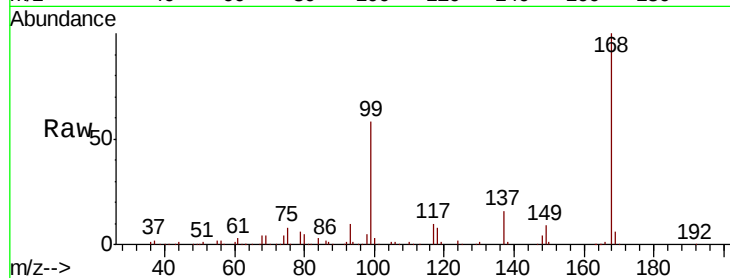
Tgt Ion: 56 Resp: 6959

Ion Ratio Lower Upper

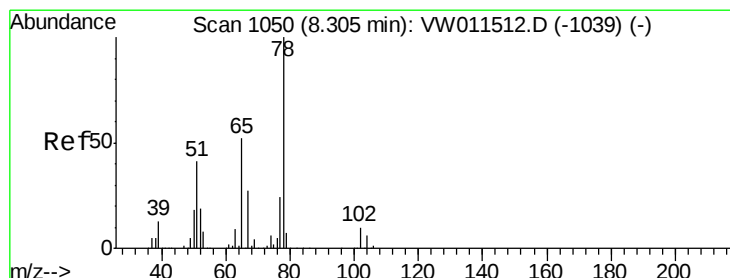
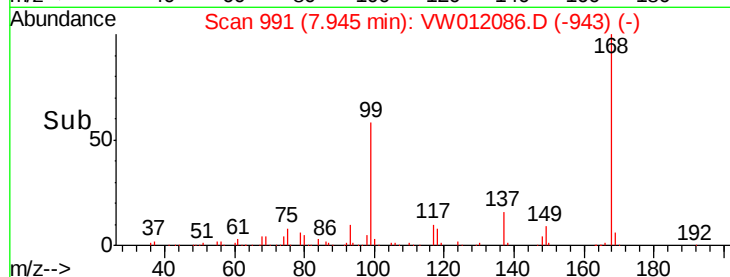
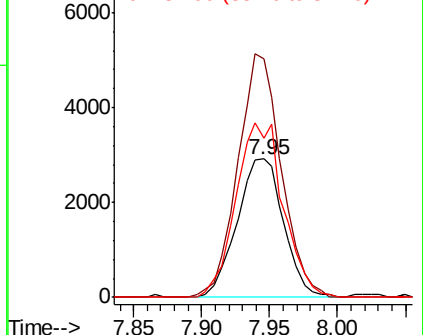
56 100

69 173.0 24.3 36.5#

84 115.3 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: 55.051 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012086.D

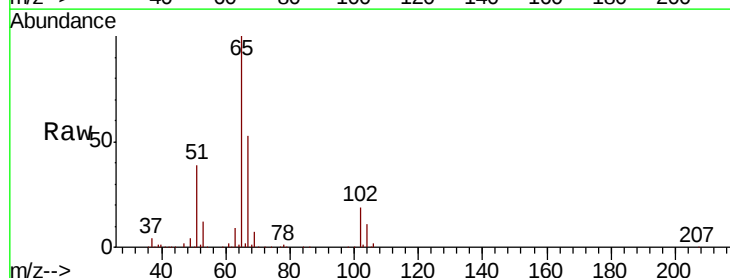
Acq: 21 Aug 2019 22:28

Tgt Ion: 65 Resp: 170518

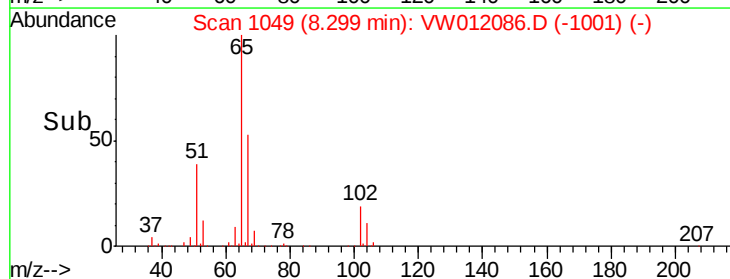
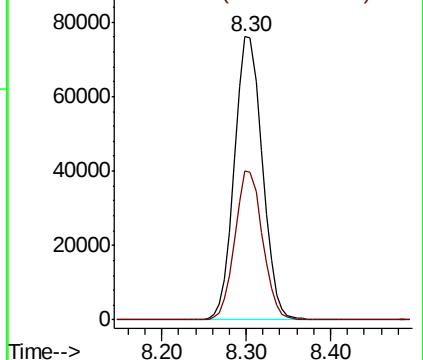
Ion Ratio Lower Upper

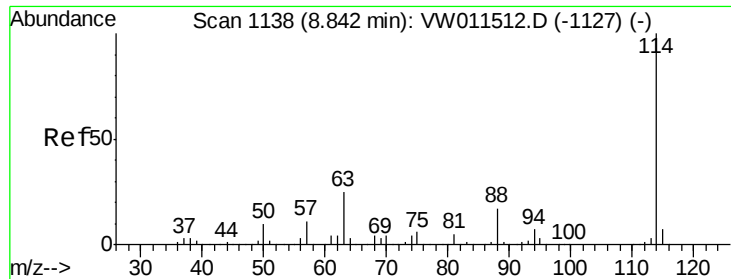
65 100

67 52.1 0.0 105.2



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

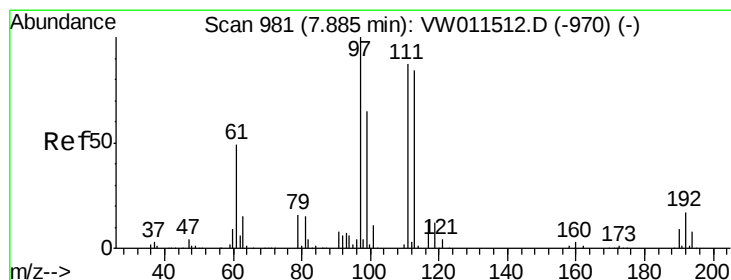
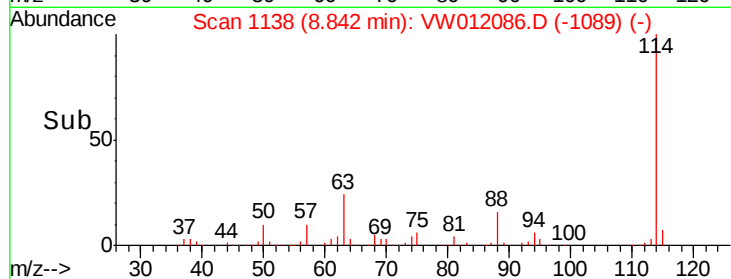
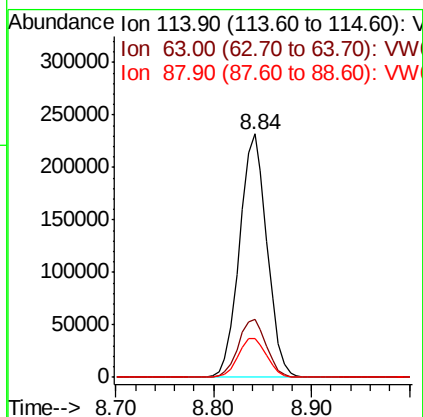
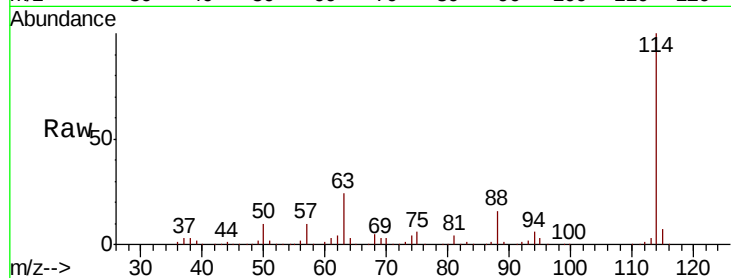




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

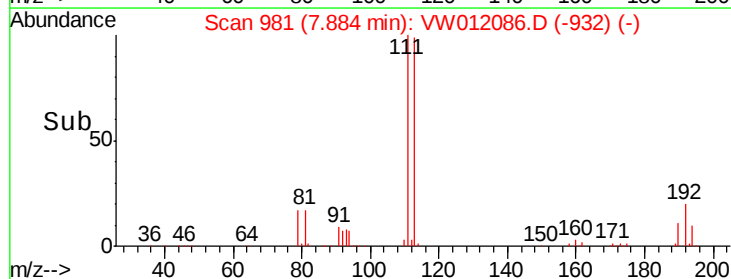
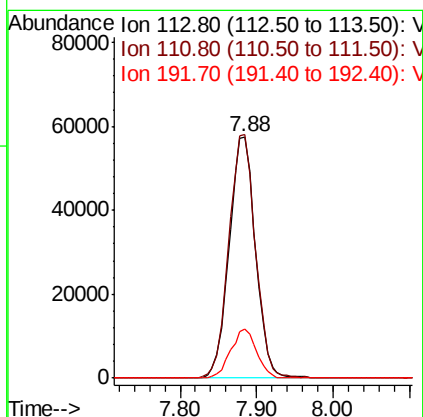
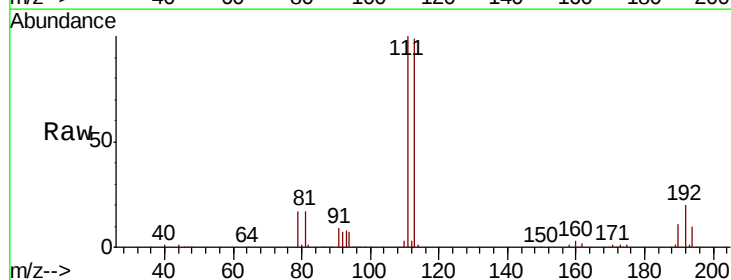
Instrument :
 MSVOA_W
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 T1-H2-(2.5)

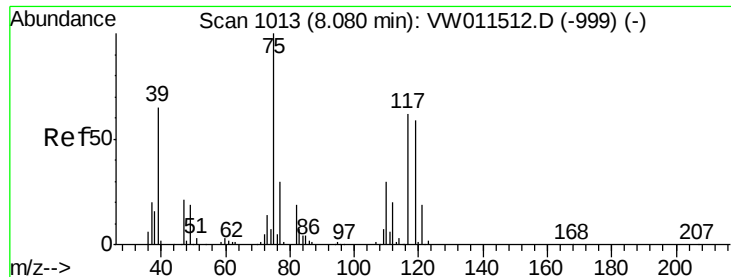
Tgt Ion:114 Resp: 450981
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 15.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.058 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

Tgt Ion:113 Resp: 136772
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 19.9 16.1 24.1

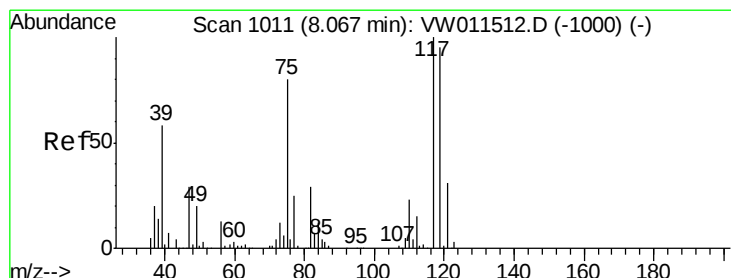
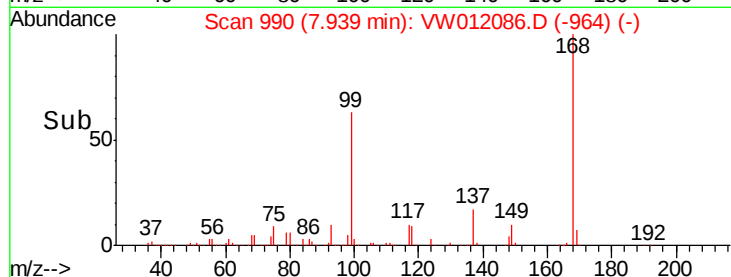
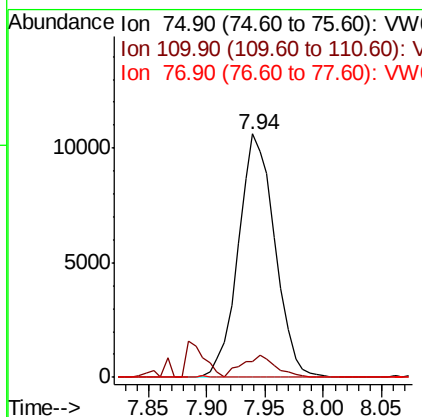
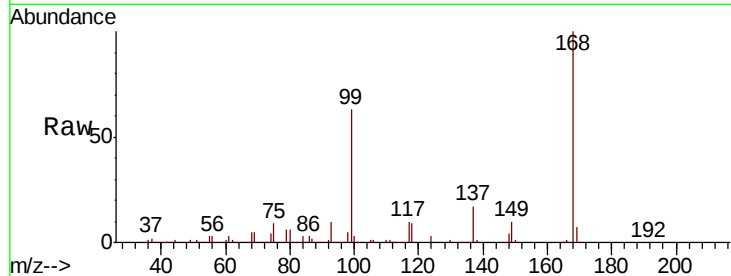




#36
 1,1-Dichloropropene
 Concen: 4.929 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

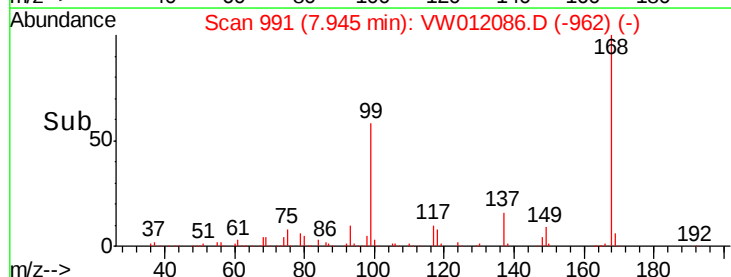
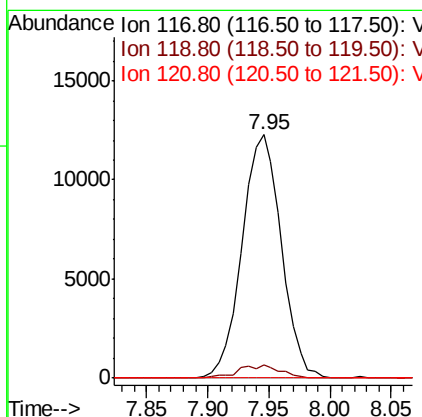
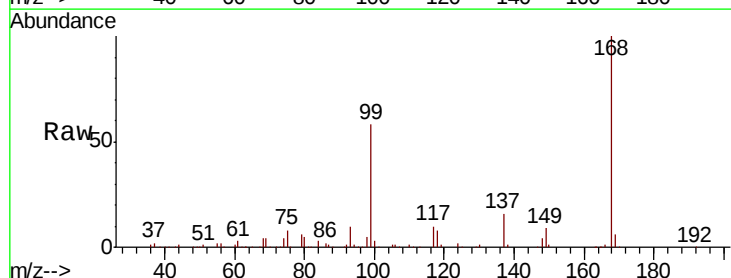
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 MSVOA_W
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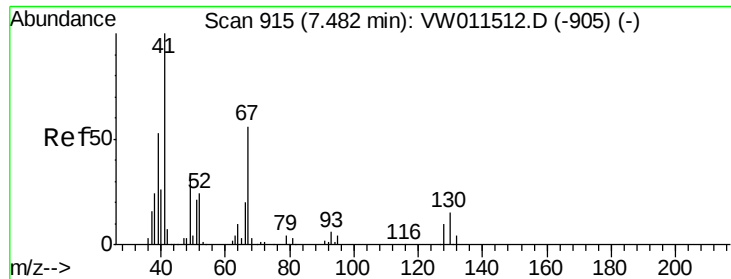
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.808 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012086.D
 Acq: 21 Aug 2019 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.6#
121	0.0	24.7	37.1#

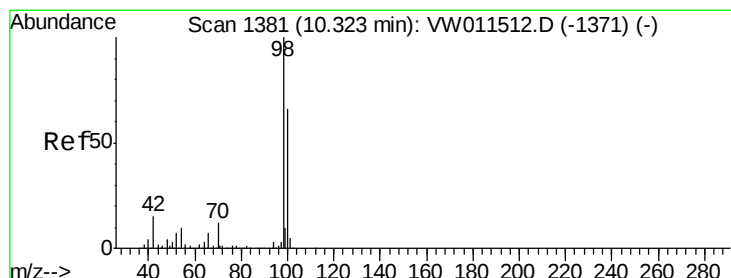
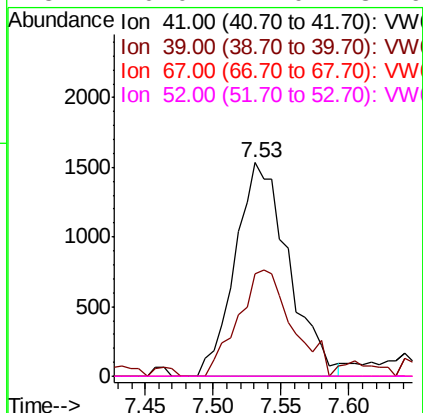
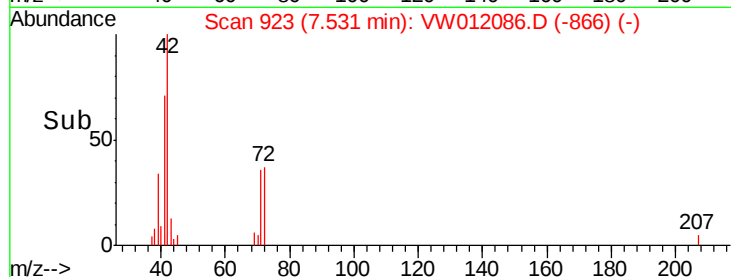
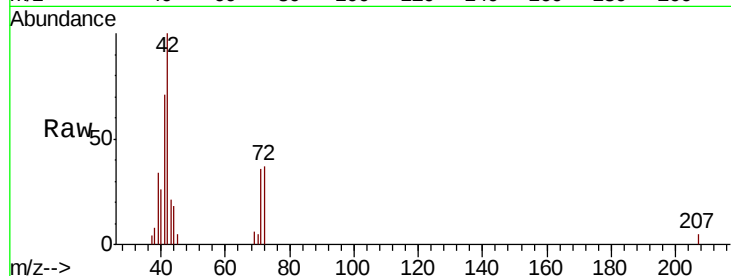




#41
Methacrylonitrile
Concen: 2.612 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012086.D
Acq: 21 Aug 2019 22:28

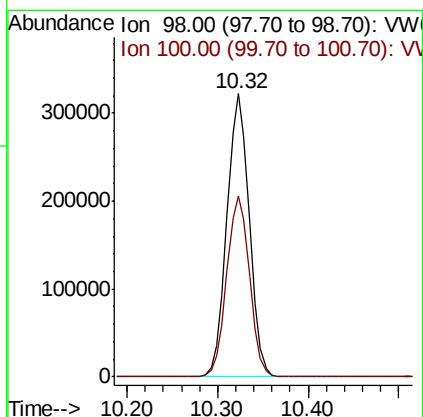
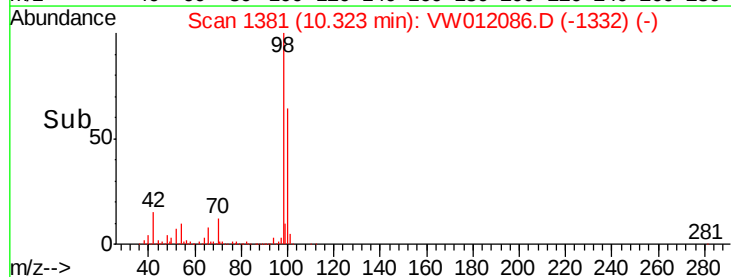
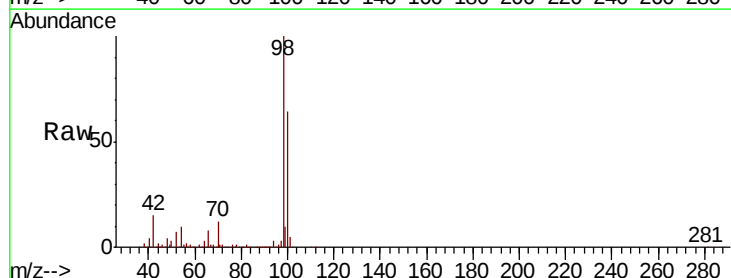
Instrument :
MSVOA_W
ClientSampleId :
T1-H2-(2.5)

Tgt Ion:	41	Resp:	4212
Ion	Ratio	Lower	Upper
41	100		
39	50.5	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 53.236 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012086.D
Acq: 21 Aug 2019 22:28

Tgt Ion:	98	Resp:	551466
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 43.996 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(2.5)

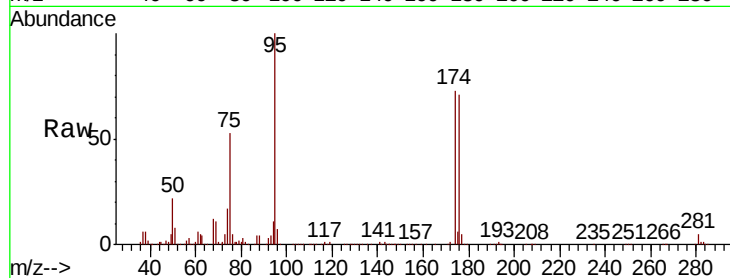
Tgt Ion: 95 Resp: 162484

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.2

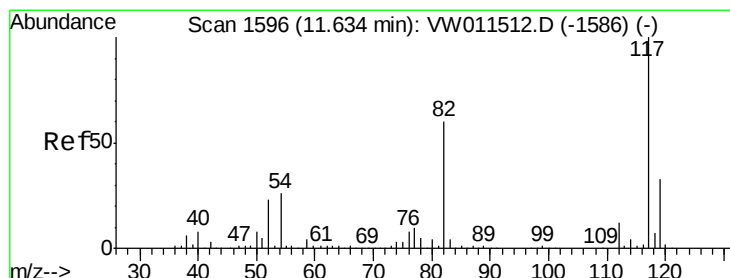
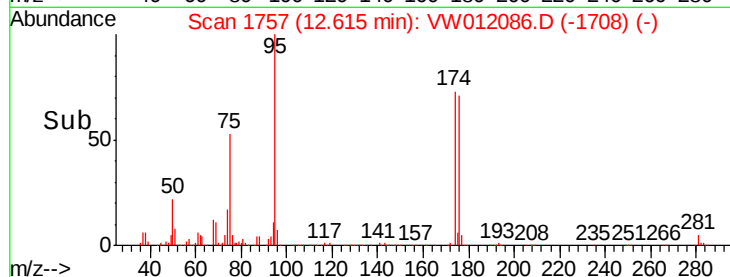
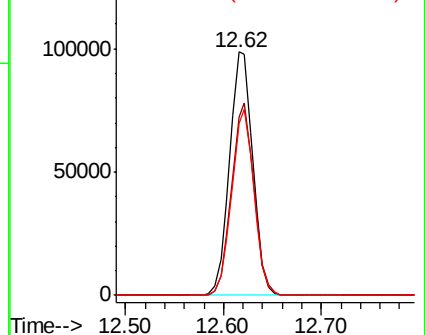
176 73.7 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

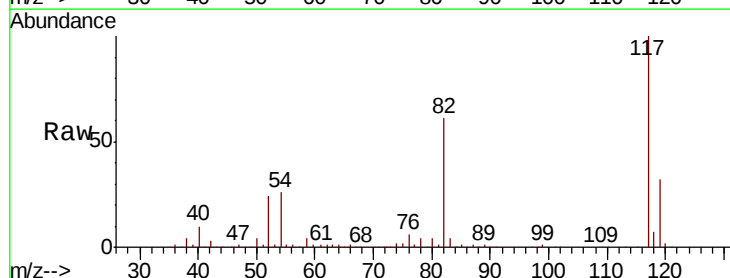
Tgt Ion: 117 Resp: 366079

Ion Ratio Lower Upper

117 100

82 60.8 47.9 71.9

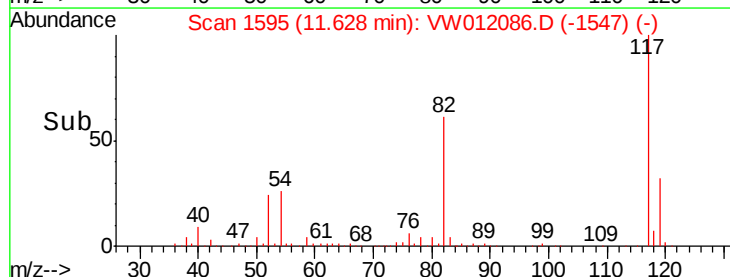
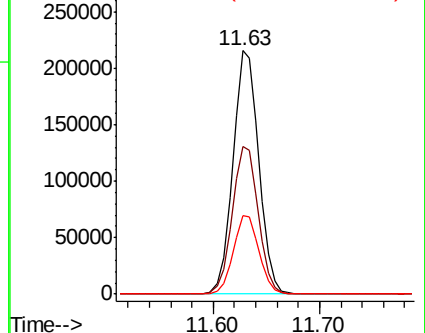
119 32.0 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(2.5)

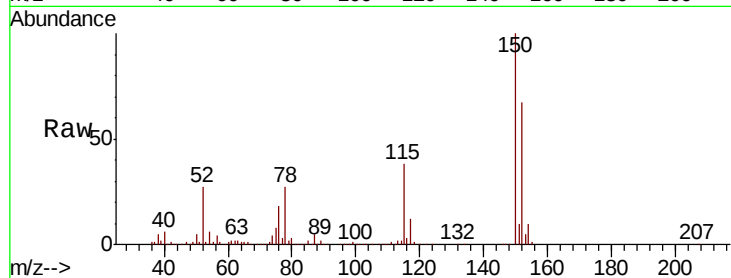
Tgt Ion:152 Resp: 126437

Ion Ratio Lower Upper

152 100

115 59.9 30.5 91.5

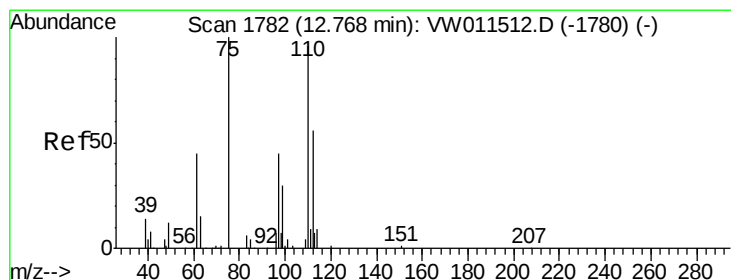
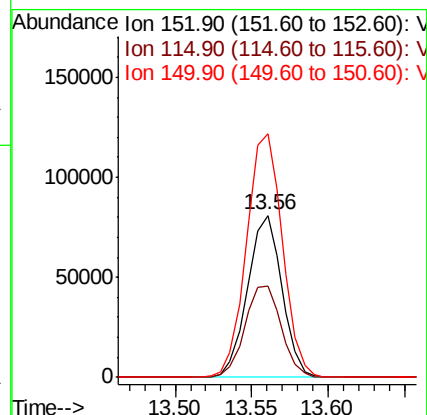
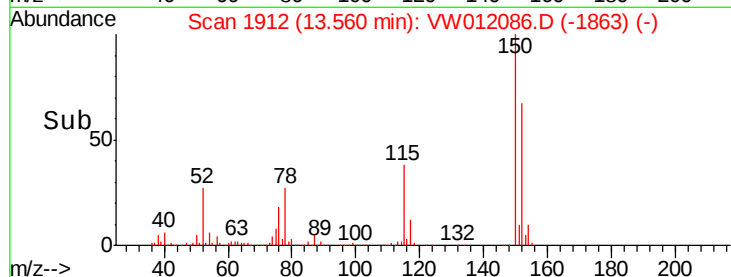
150 157.1 0.0 352.6



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: 64.315 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012086.D

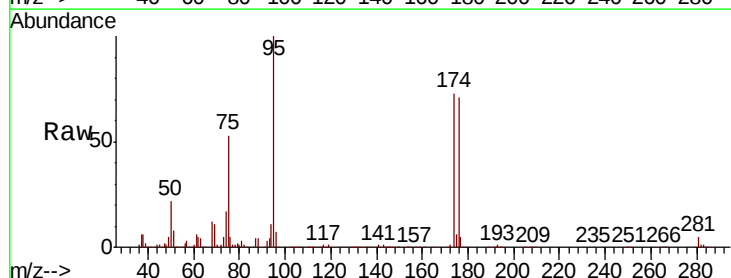
Acq: 21 Aug 2019 22:28

Tgt Ion: 75 Resp: 86044

Ion Ratio Lower Upper

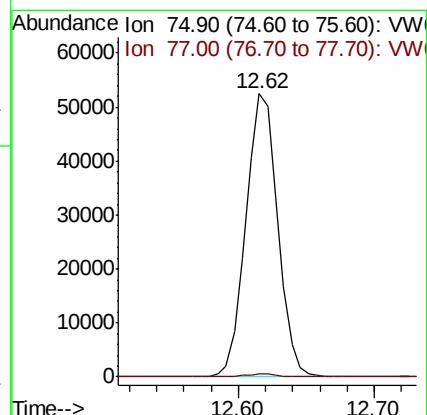
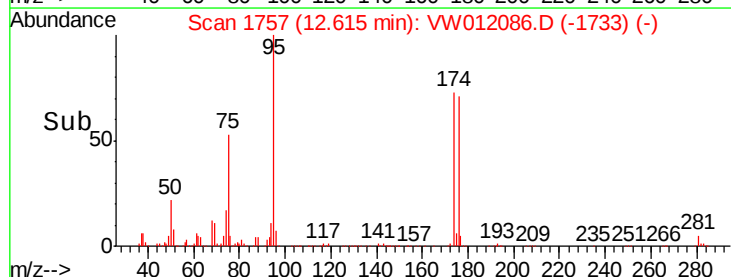
75 100

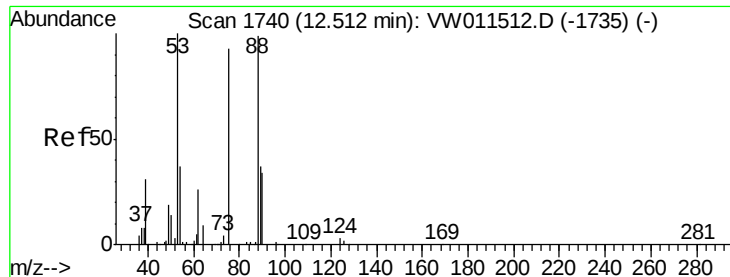
77 1.2 0.0 0.0#



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: 148.224 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(2.5)

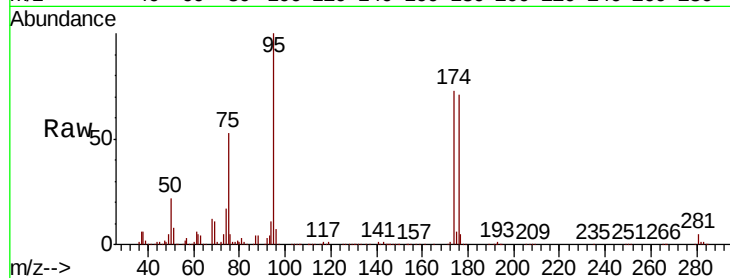
Tgt Ion: 75 Resp: 86044

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

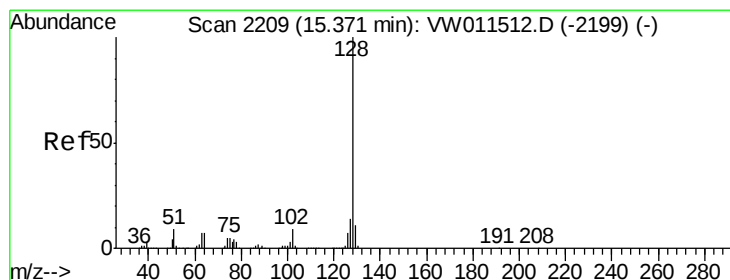
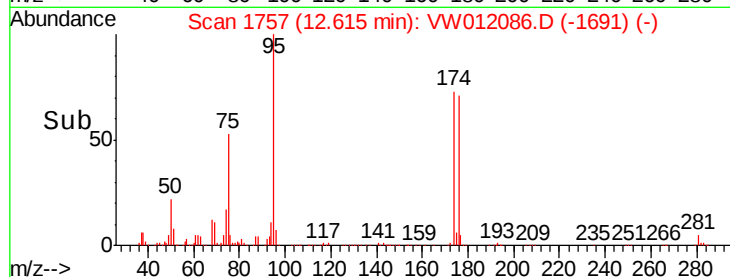
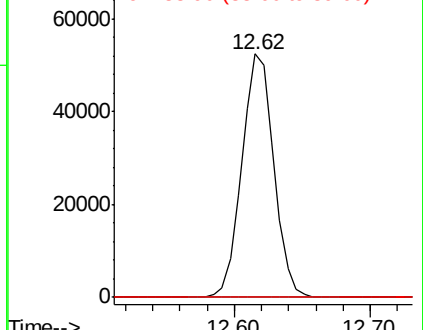
89 0.0 35.3 52.9#



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: 2.167 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012086.D

Acq: 21 Aug 2019 22:28

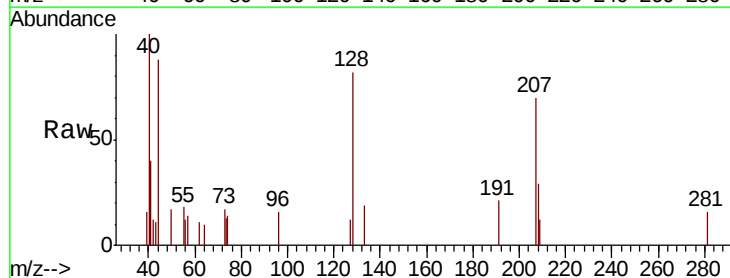
Tgt Ion: 128 Resp: 524

Ion Ratio Lower Upper

128 100

127 7.8 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

