

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012138.D
 Acq On : 23 Aug 2019 17:41
 Operator : SY/VA
 Sample : K4496-11
 Misc : 6.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S601-M-1.0-1.5-082219

Quant Time: Aug 26 07:29:14 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

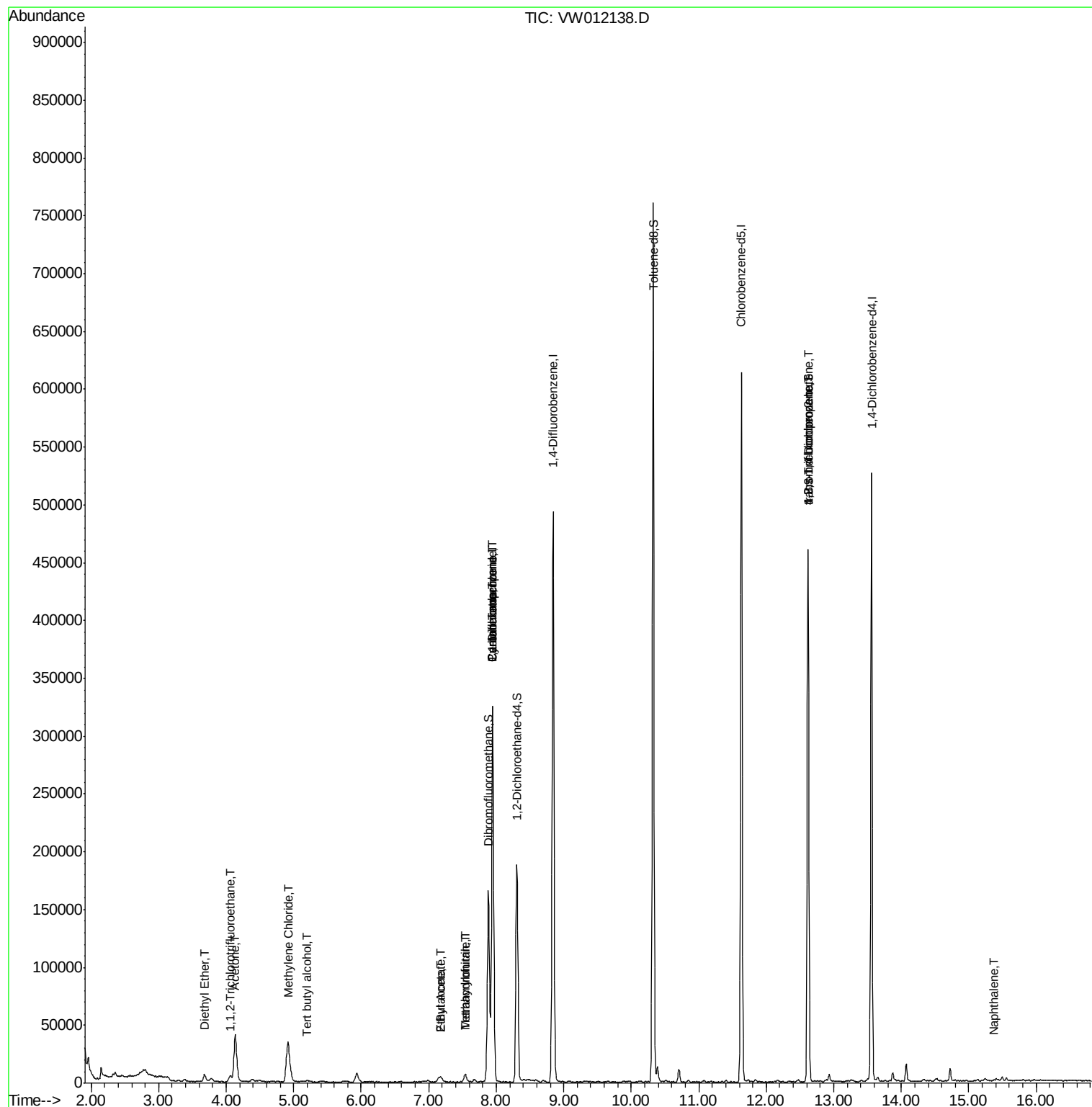
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128419	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	148506	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
35) Dibromofluoromethane	7.88	113	115970	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
50) Toluene-d8	10.32	98	466811	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	149820	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	3139	2.443	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	4.06	101	4344	1.888	ug/l	92
11) Tert butyl alcohol	5.19	59	384	2.324	ug/l #	82
16) Acetone	4.14	43	79744	113.637	ug/l	100
20) Methylene Chloride	4.92	84	27112	10.220	ug/l	94
25) 2-Butanone	7.18	43	5084	5.331	ug/l	91
29) Tetrahydrofuran	7.54	42	6061	10.594	ug/l	96
31) Cyclohexane	7.95	56	5912	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19794	4.986	ug/l #	51
37) Ethyl Acetate	7.18	43	5084	2.337	ug/l #	85
38) Carbon Tetrachloride	7.95	117	23632	6.878	ug/l #	16
41) Methacrylonitrile	7.54	41	3585	2.804	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	79299	63.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79299	139.014	ug/l #	6
95) Naphthalene	15.37	128	705	4.454	ug/l #	83

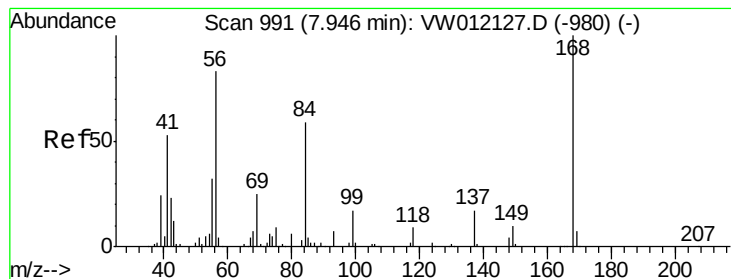
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

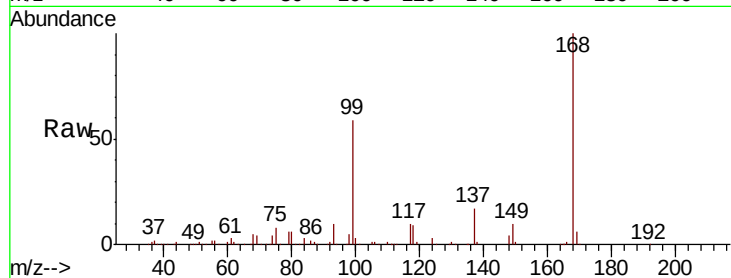
S601-M-1.0-1.5-082219

Tgt Ion:168 Resp: 230935

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

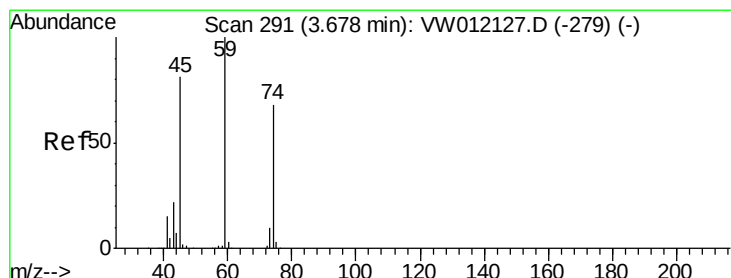
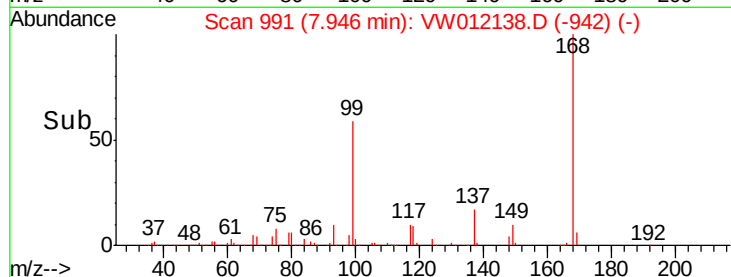
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.443 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012138.D

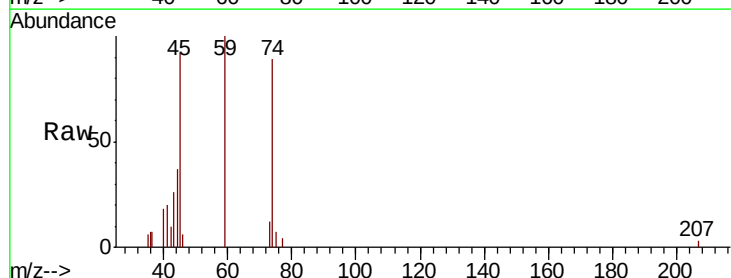
Acq: 23 Aug 2019 17:41

Tgt Ion: 74 Resp: 3139

Ion Ratio Lower Upper

74 100

45 137.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

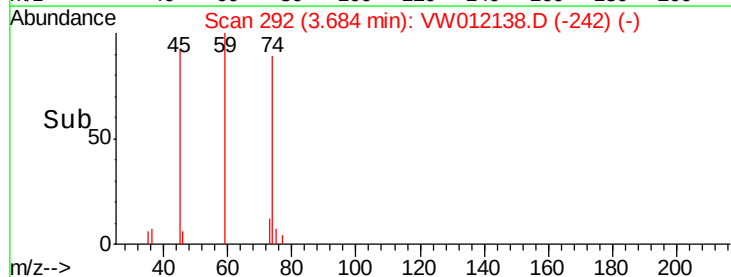
1500

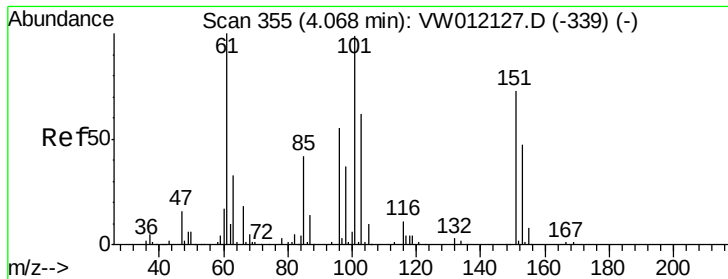
1000

500

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.888 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

S601-M-1.0-1.5-082219

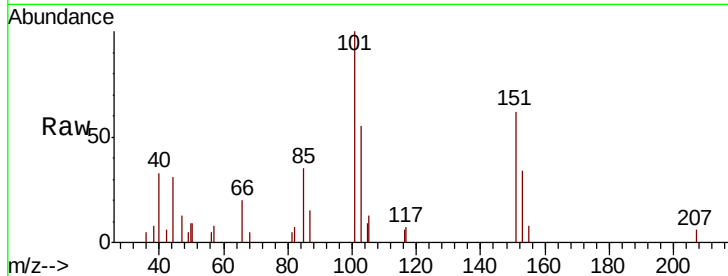
Tgt Ion: 101 Resp: 4344

Ion Ratio Lower Upper

101 100

85 41.9 35.8 53.6

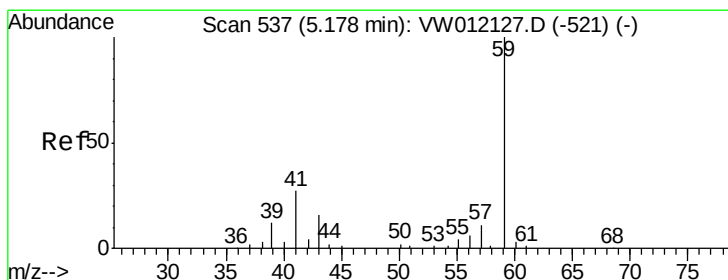
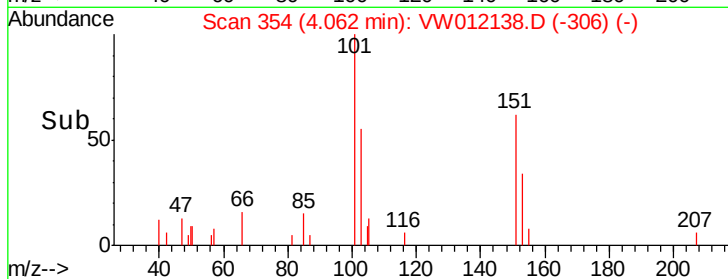
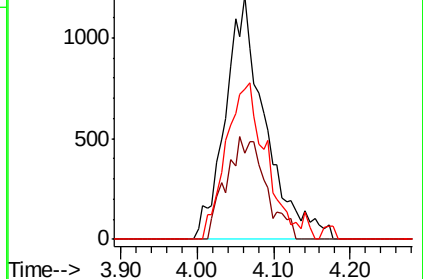
151 64.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 2.324 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012138.D

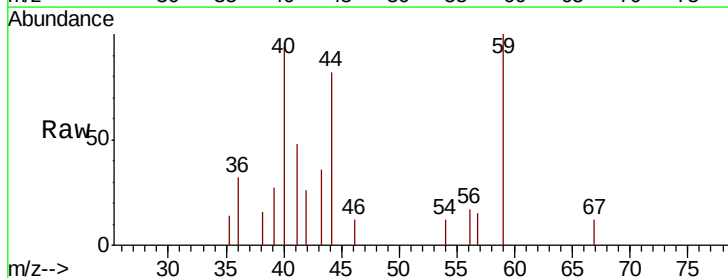
Acq: 23 Aug 2019 17:41

Tgt Ion: 59 Resp: 384

Ion Ratio Lower Upper

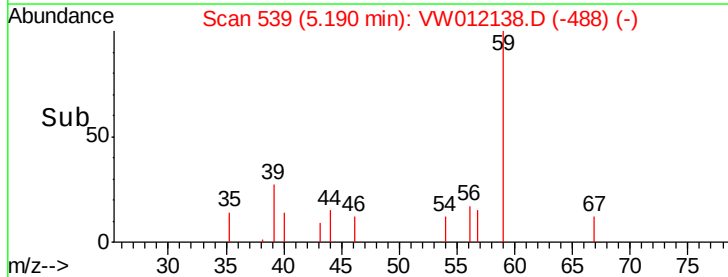
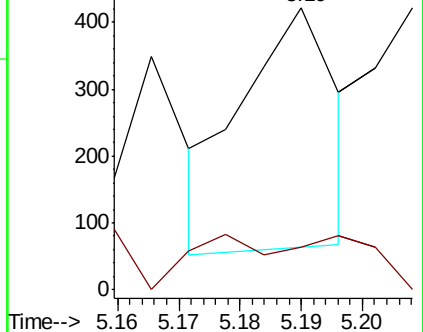
59 100

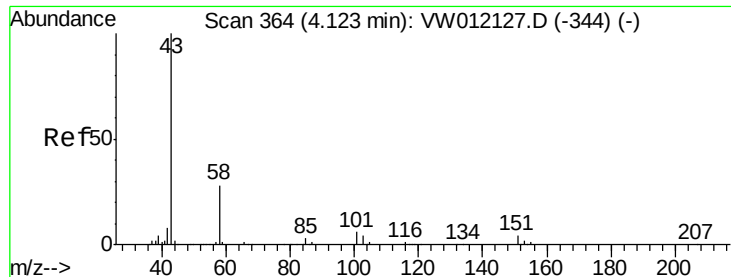
57 18.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

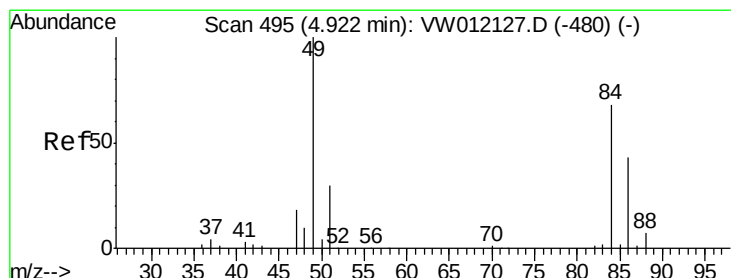
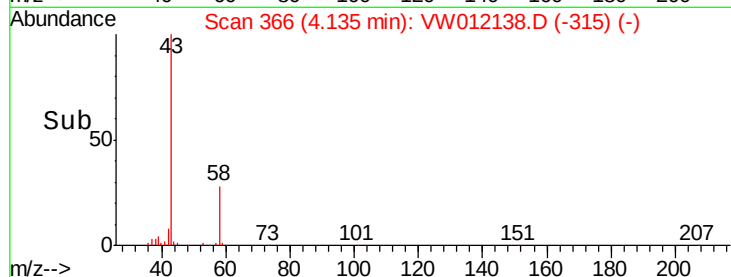
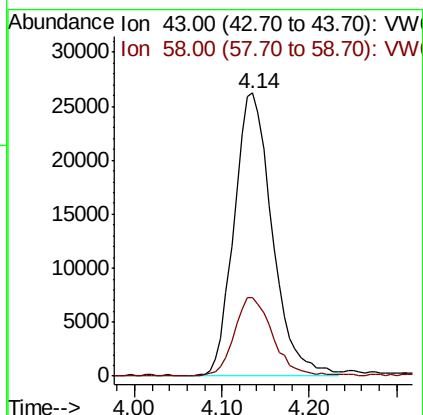
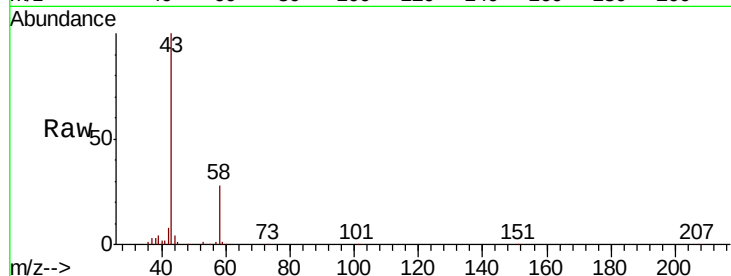




#16
Acetone
Concen: 113.637 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

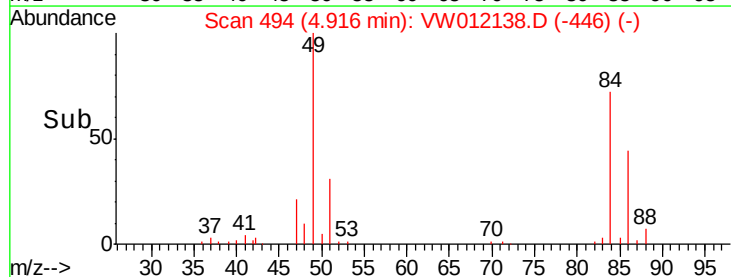
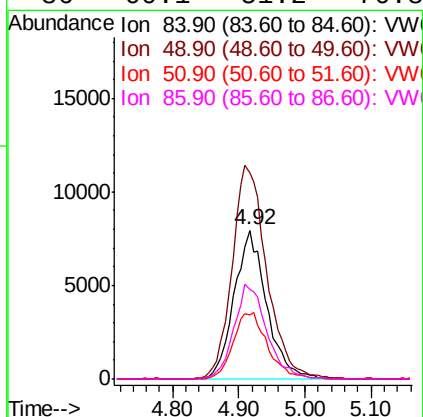
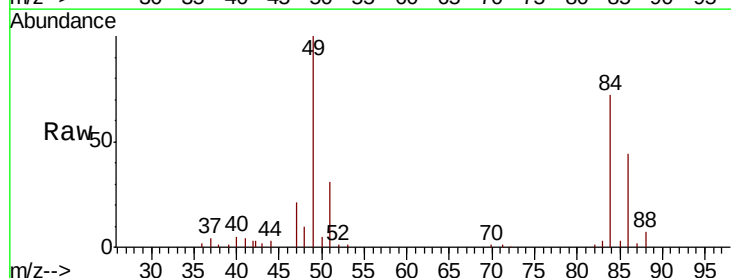
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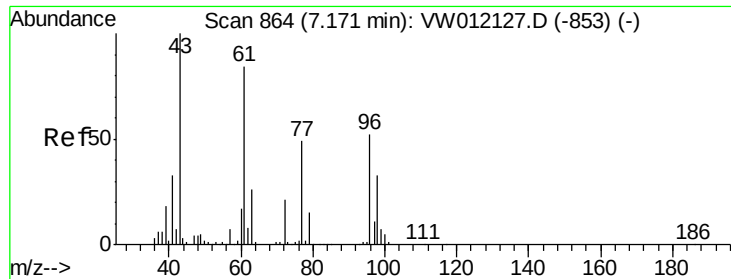
Tgt Ion: 43 Resp: 79744
Ion Ratio Lower Upper
43 100
58 27.8 22.4 33.6



#20
Methylene Chloride
Concen: 10.220 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

Tgt Ion: 84 Resp: 27112
Ion Ratio Lower Upper
84 100
49 137.9 117.8 176.8
51 42.8 35.6 53.4
86 60.1 51.2 76.8





#25

2-Butanone

Concen: 5.331 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

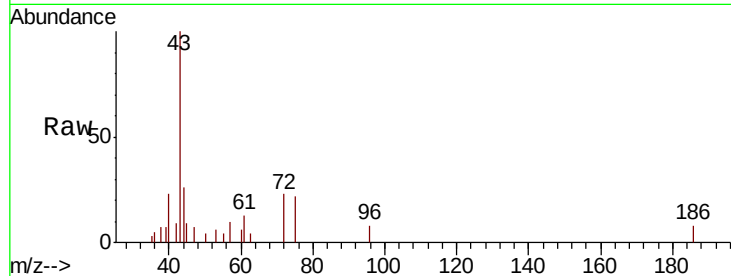
S601-M-1.0-1.5-082219

Tgt Ion: 43 Resp: 5084

Ion Ratio Lower Upper

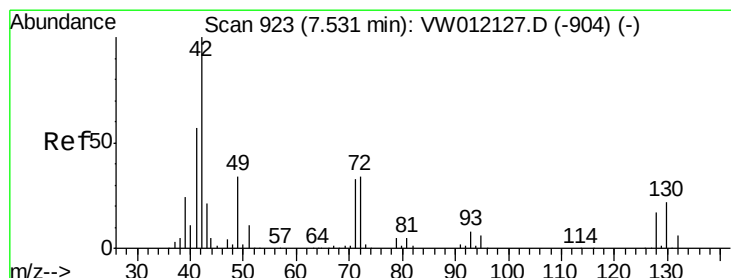
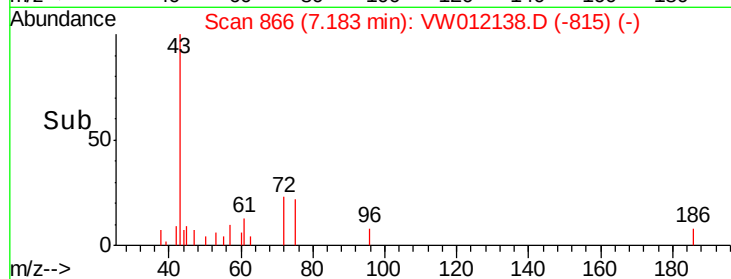
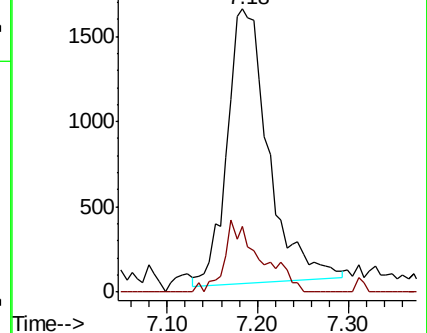
43 100

72 24.7 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 10.594 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

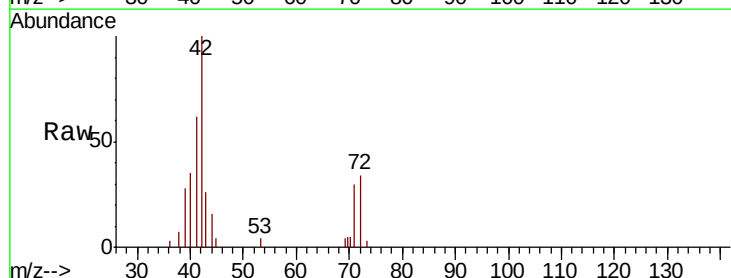
Tgt Ion: 42 Resp: 6061

Ion Ratio Lower Upper

42 100

72 36.7 27.3 40.9

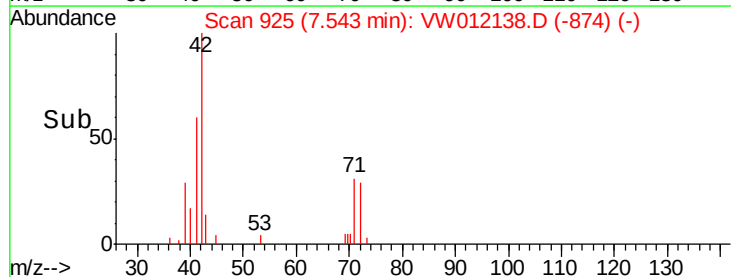
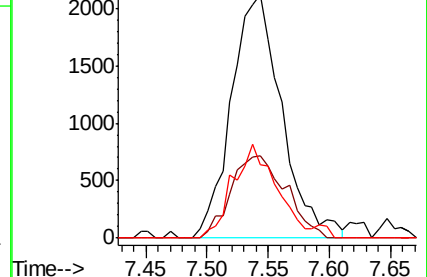
71 33.6 25.5 38.3

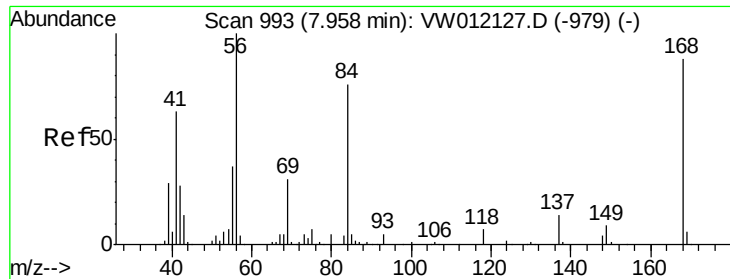


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

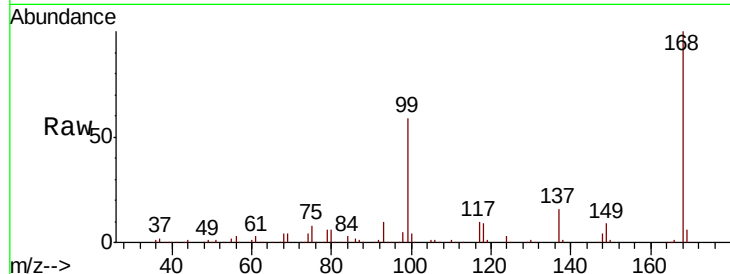




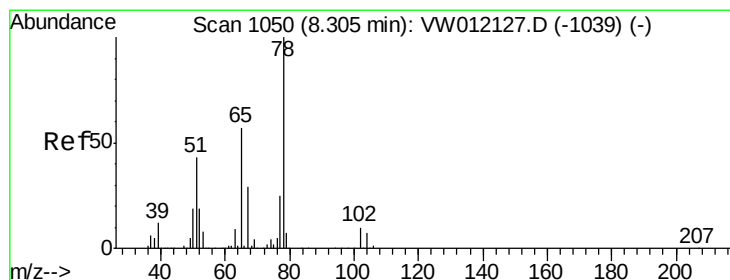
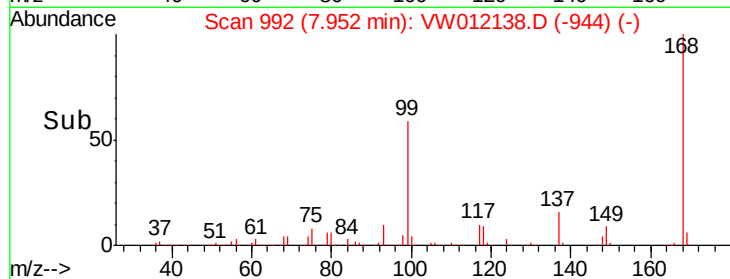
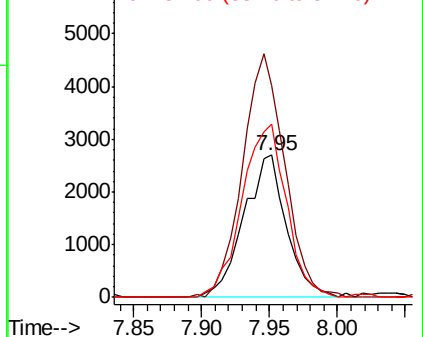
#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

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S601-M-1.0-1.5-082219

Tgt Ion: 56 Resp: 5912
Ion Ratio Lower Upper
56 100
69 148.4 24.9 37.3#
84 121.5 60.6 90.8#

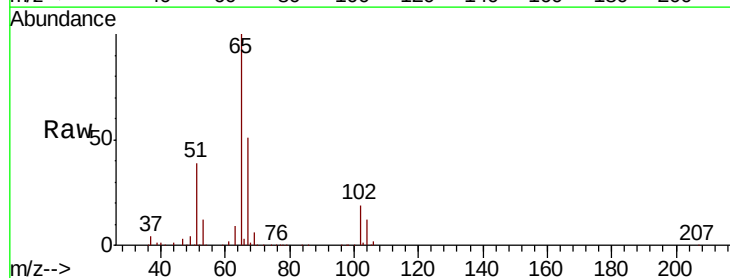


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

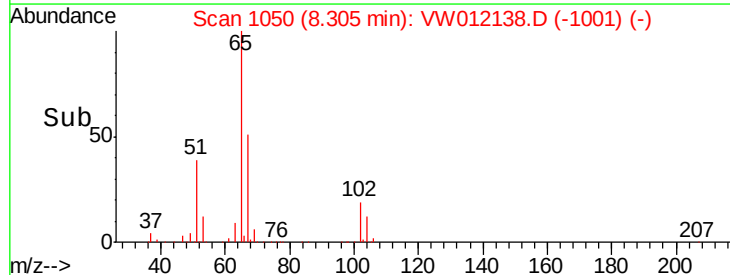
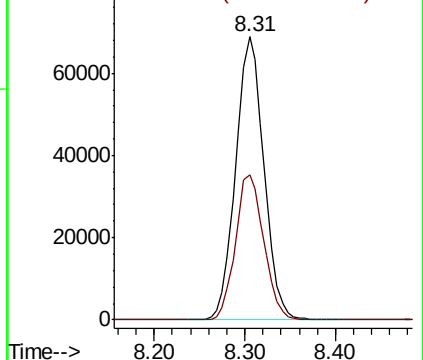


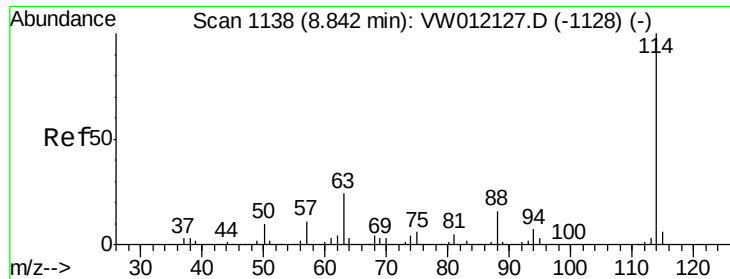
#33
1,2-Dichloroethane-d4
Concen: 54.096 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

Tgt Ion: 65 Resp: 148506
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6



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

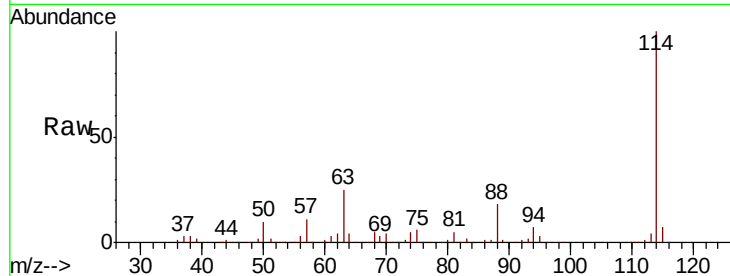




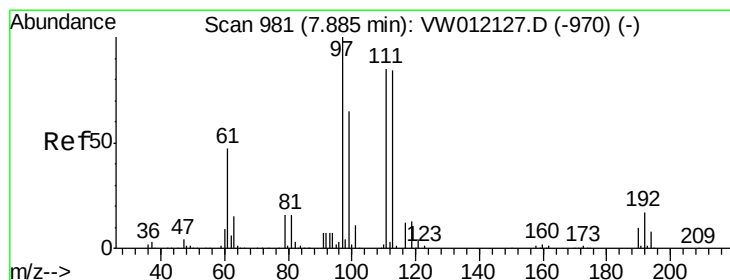
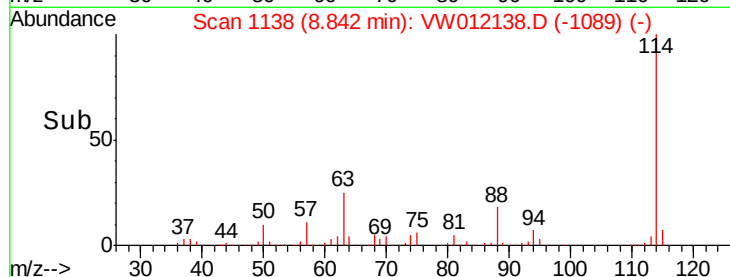
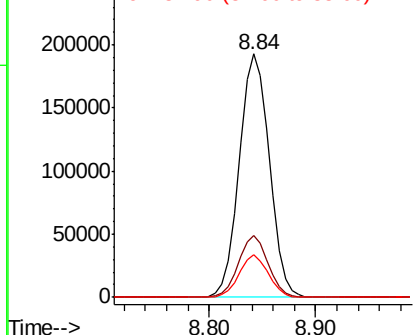
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

Instrument :
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 S601-M-1.0-1.5-082219

Tgt Ion:114 Resp: 384151
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 17.6 0.0 32.2

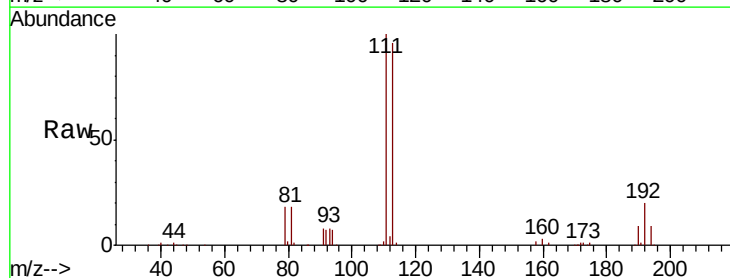


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

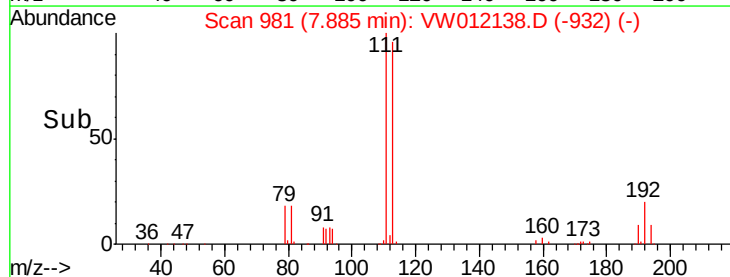
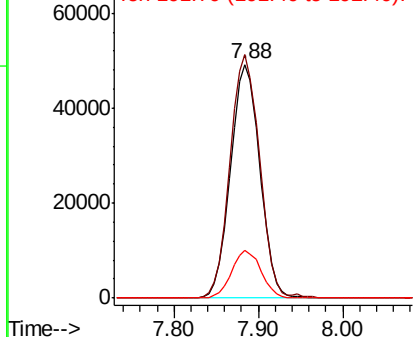


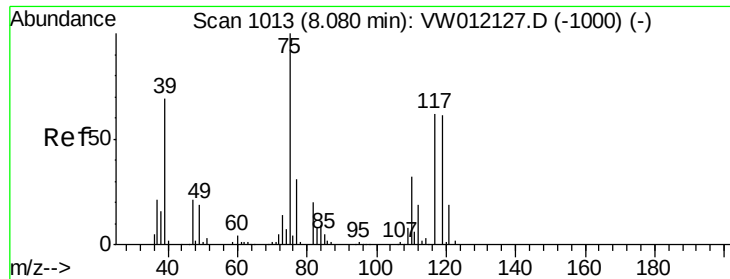
#35
 Dibromofluoromethane
 Concen: 50.575 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

Tgt Ion:113 Resp: 115970
 Ion Ratio Lower Upper
 113 100
 111 105.2 82.7 124.1
 192 20.2 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

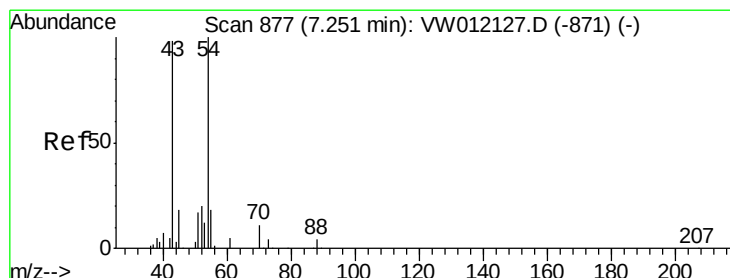
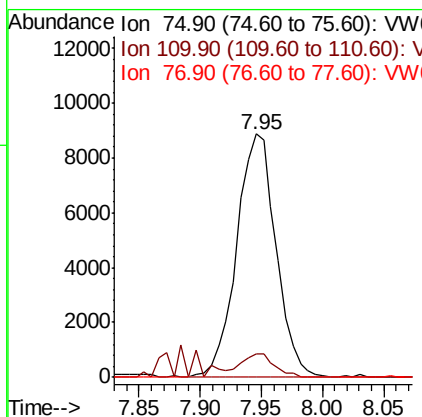
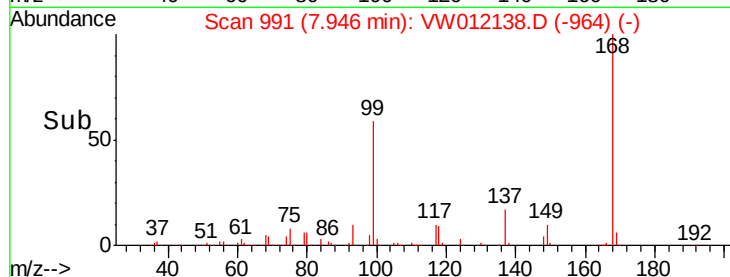
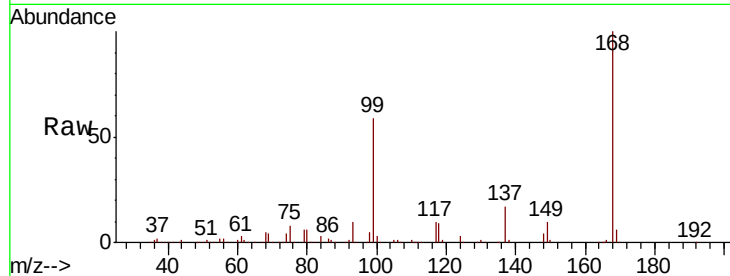




#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

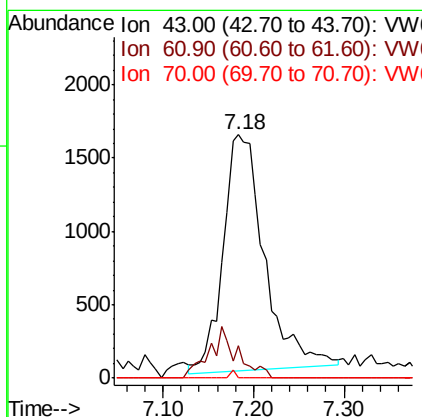
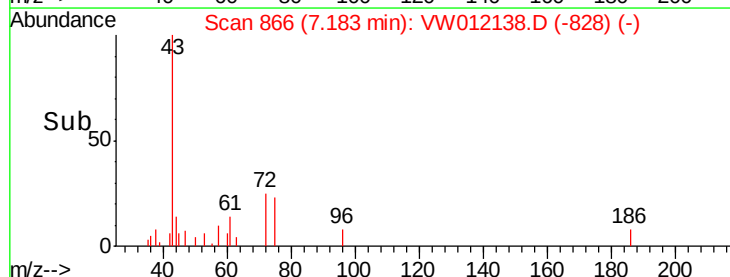
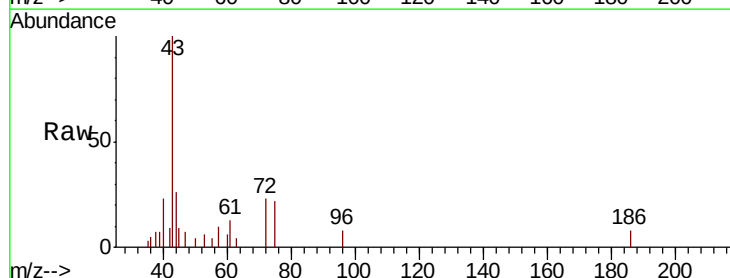
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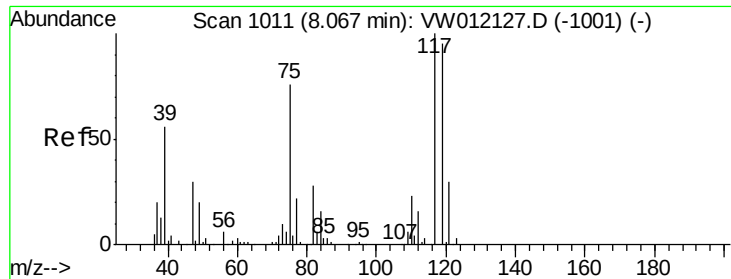
Tgt Ion: 75 Resp: 19794
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 2.337 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

Tgt Ion: 43 Resp: 5084
 Ion Ratio Lower Upper
 43 100
 61 15.0 9.2 13.8#
 70 0.4 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.878 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

S601-M-1.0-1.5-082219

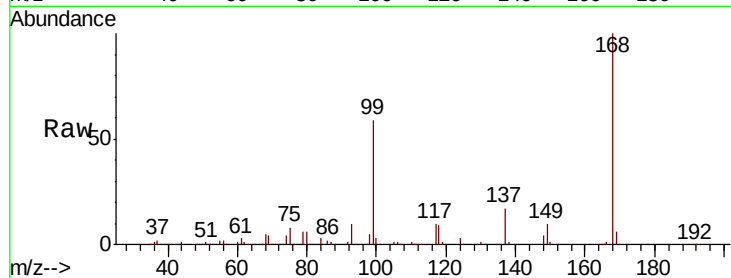
Tgt Ion:117 Resp: 23632

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

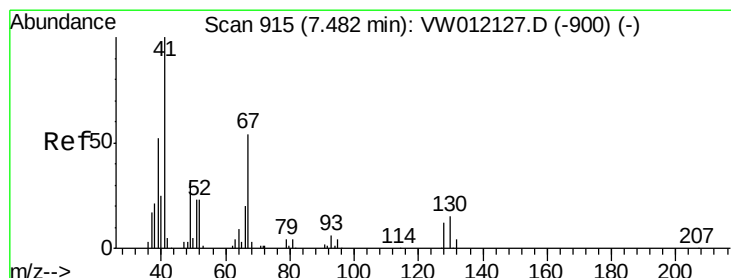
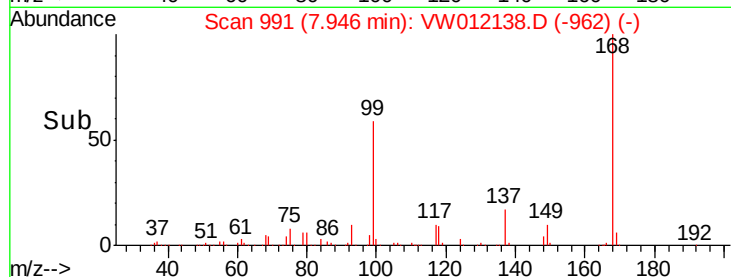
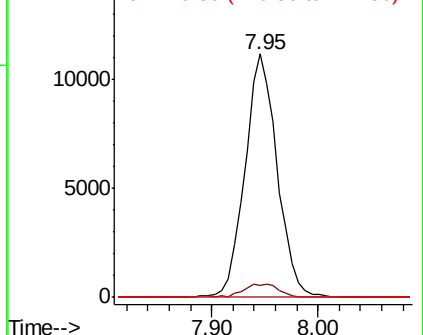
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 2.804 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Tgt Ion: 41 Resp: 3585

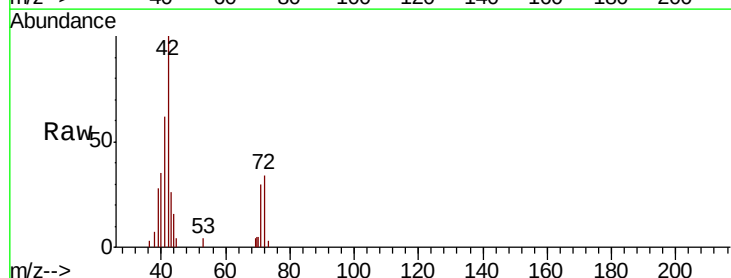
Ion Ratio Lower Upper

41 100

39 58.4 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

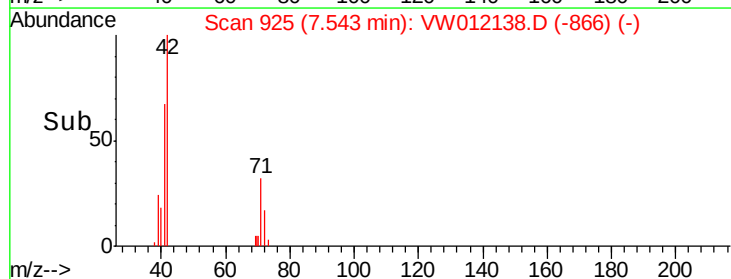
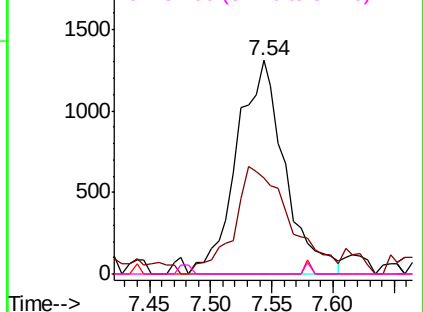


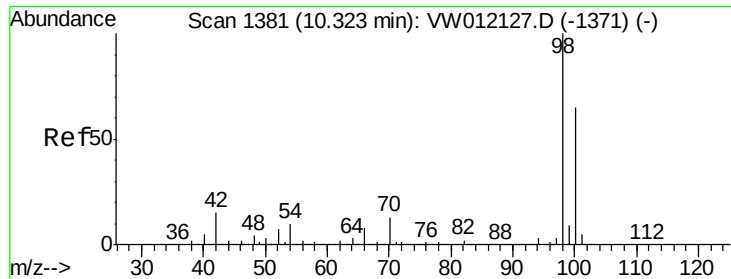
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

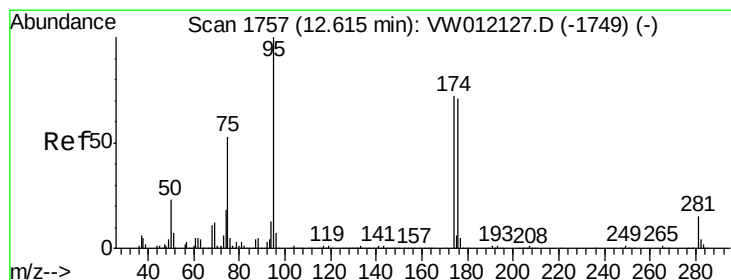
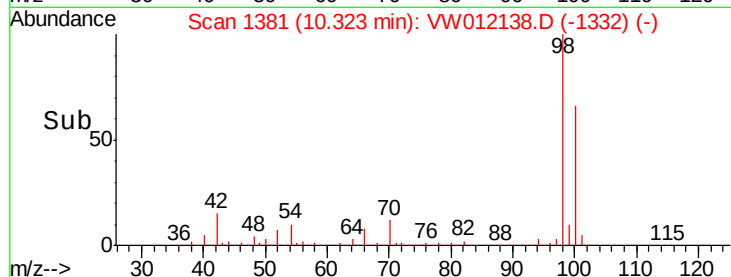
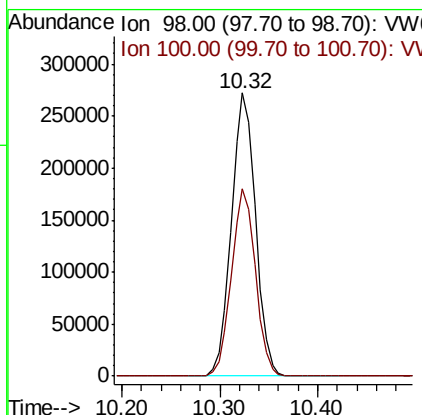
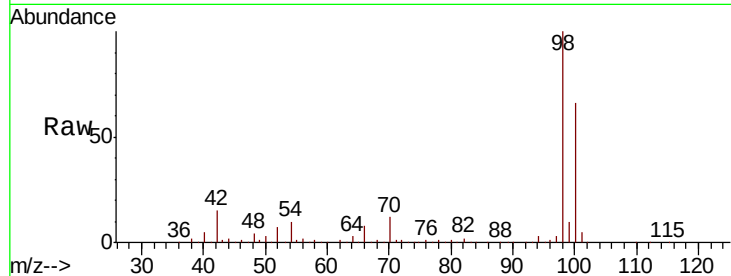




#50
Toluene-d8
Concen: 50.208 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

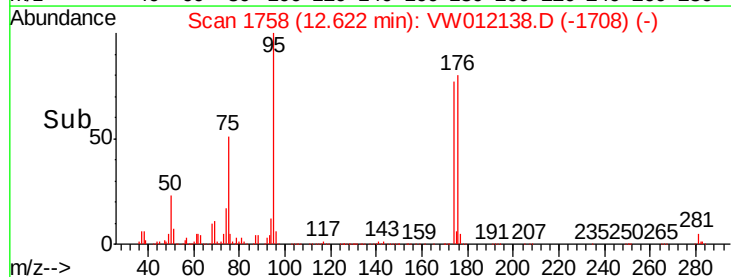
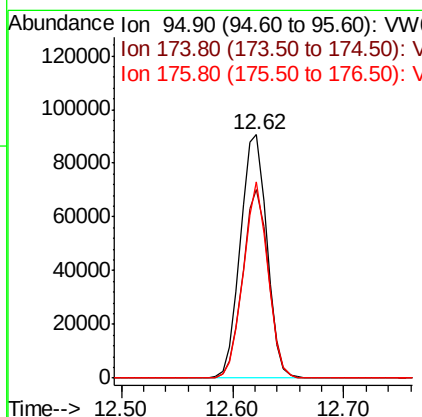
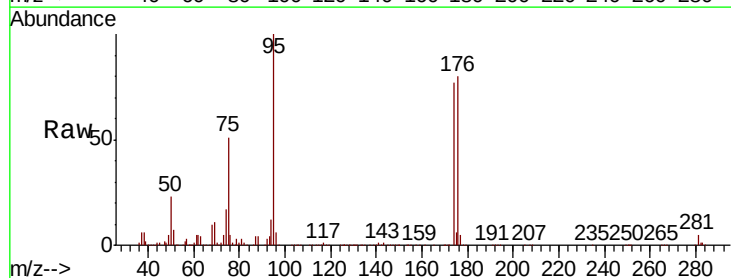
Instrument :
MSVOA_W
ClientSampleId :
S601-M-1.0-1.5-082219

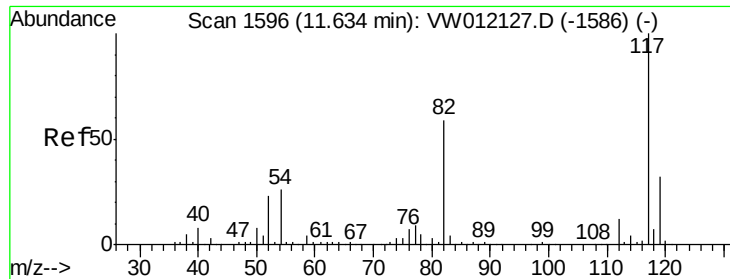
Tgt Ion: 98 Resp: 466811
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.714 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

Tgt Ion: 95 Resp: 149820
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.8
176 74.2 0.0 148.6

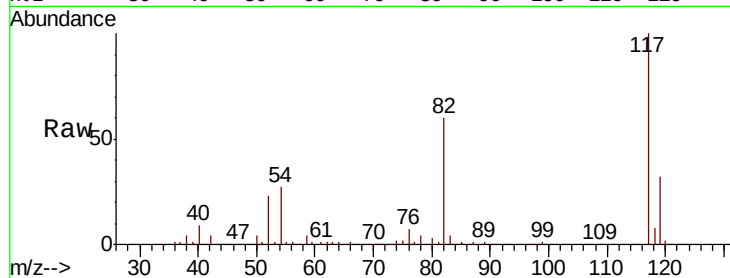




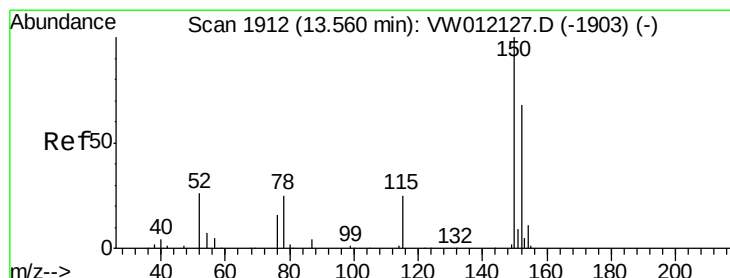
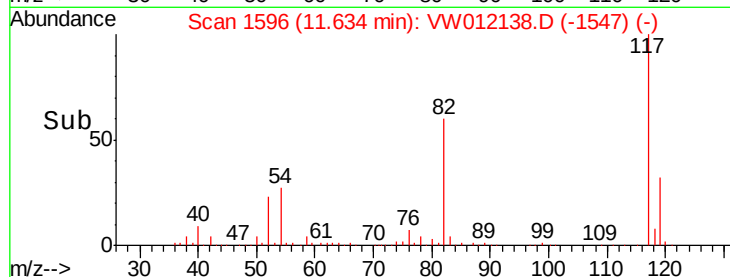
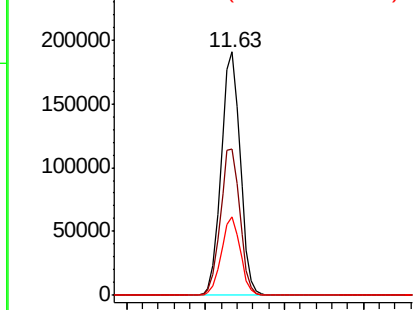
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

Instrument :
MSVOA_W
ClientSampleId :
S601-M-1.0-1.5-082219

Tgt Ion:117 Resp: 319742
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.4 25.4 38.2

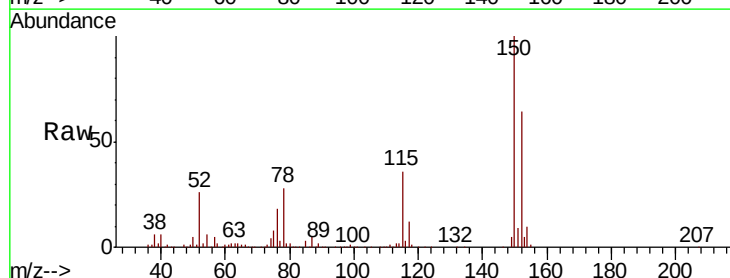


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

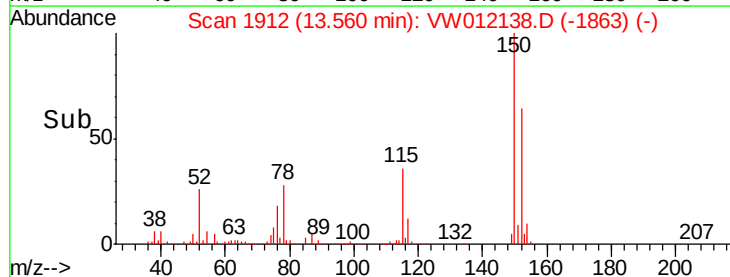
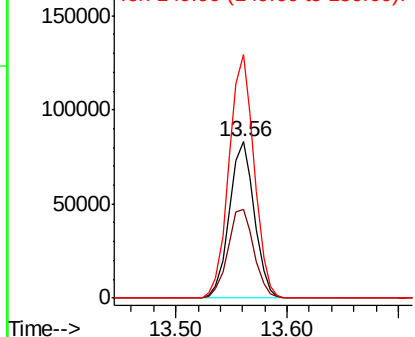


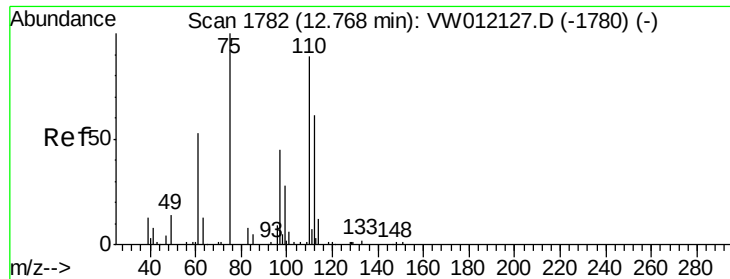
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012138.D
Acq: 23 Aug 2019 17:41

Tgt Ion:152 Resp: 128419
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 156.7 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

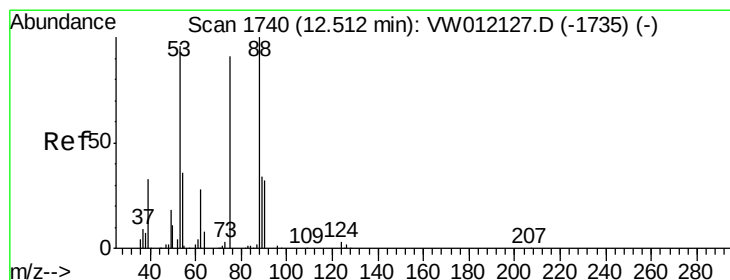
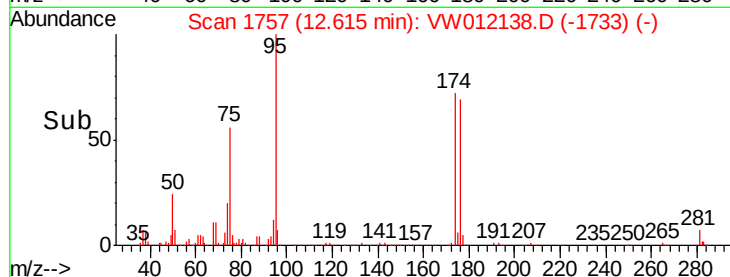
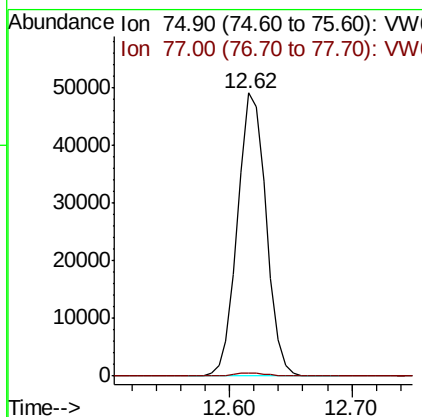
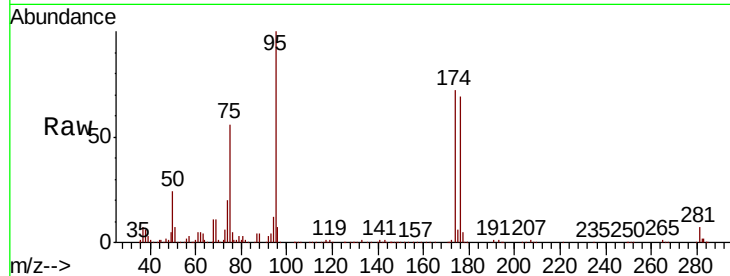




#76
 1,2,3-Trichloropropane
 Concen: 63.403 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

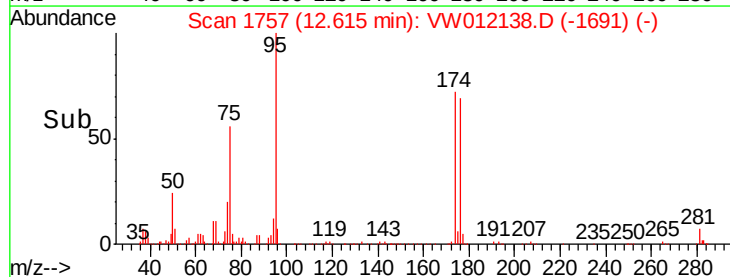
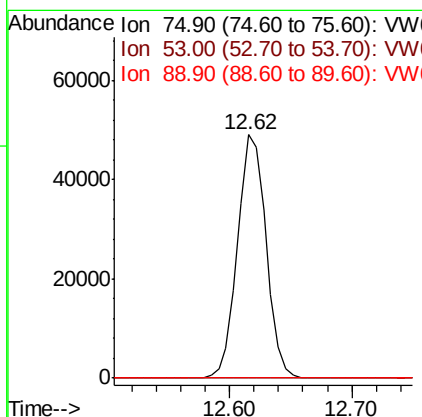
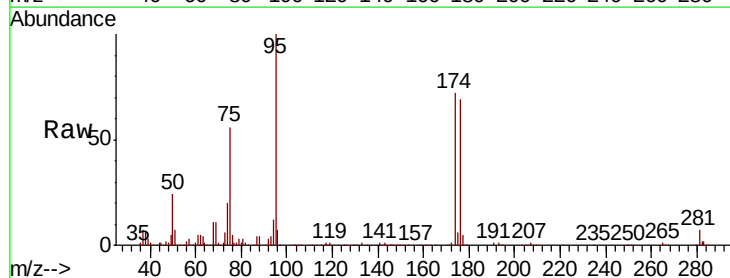
Instrument :
 MSVOA_W
 ClientSampleId :
 S601-M-1.0-1.5-082219

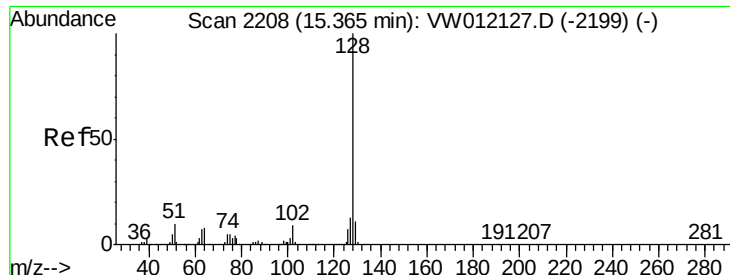
Tgt Ion: 75 Resp: 79299
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.014 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012138.D
 Acq: 23 Aug 2019 17:41

Tgt Ion: 75 Resp: 79299
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.454 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012138.D

Acq: 23 Aug 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

S601-M-1.0-1.5-082219

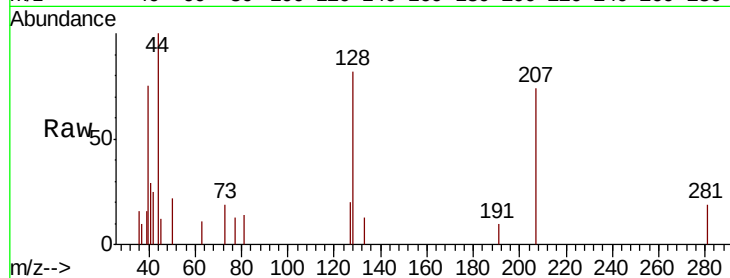
Tgt Ion:128 Resp: 705

Ion Ratio Lower Upper

128 100

127 10.1 10.7 16.1#

129 0.0 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

