

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012232.D
 Acq On : 28 Aug 2019 04:08
 Operator : SY/VA
 Sample : K4088-08
 Misc : 6.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-082619

Quant Time: Aug 28 05:04:47 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

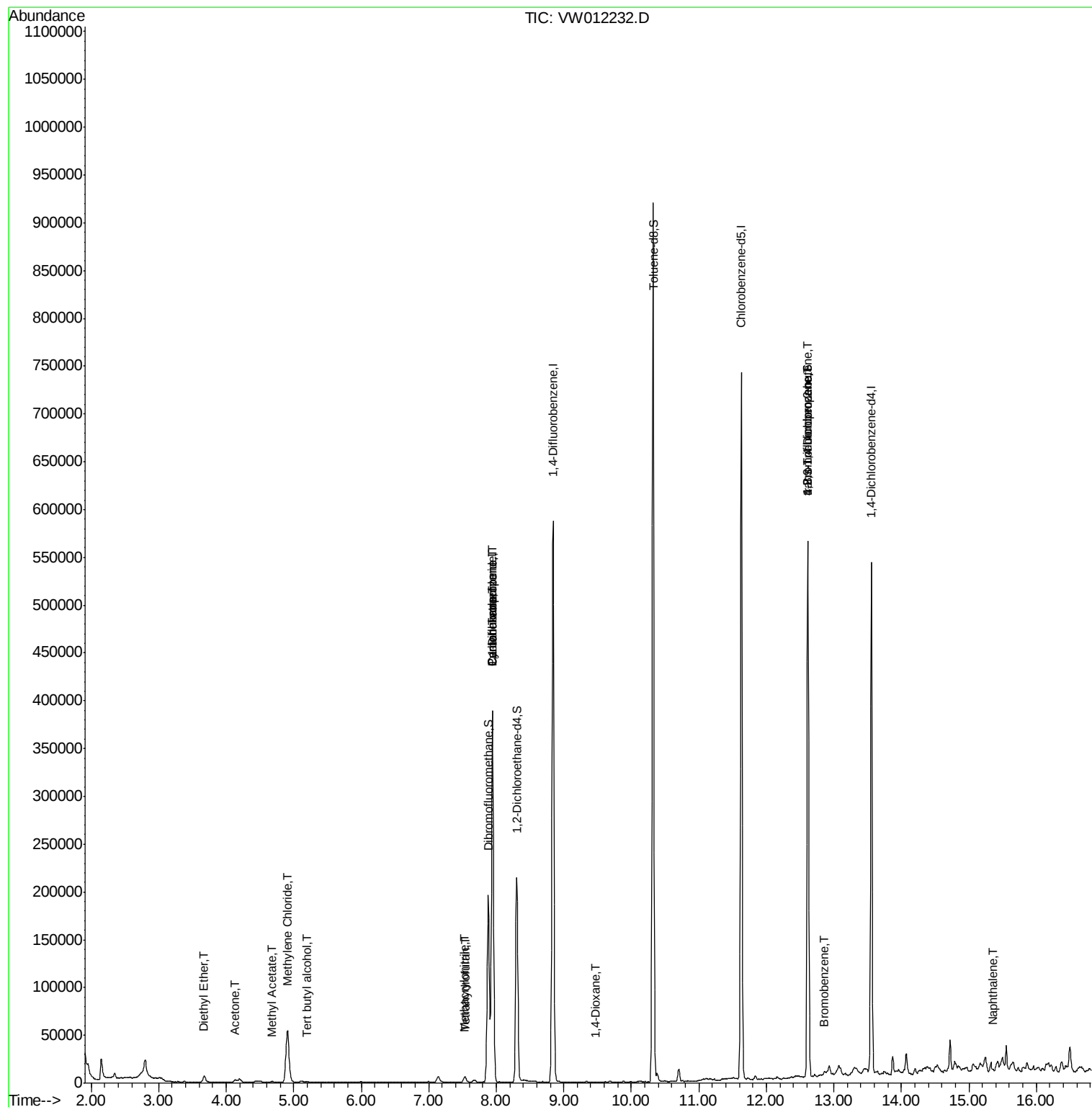
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	471811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	392024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	174133	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
35) Dibromofluoromethane	7.88	113	139281	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
50) Toluene-d8	10.32	98	581774	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.62	95	178573	44.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.72%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	3327	2.099	ug/l	86
11) Tert butyl alcohol	5.18	59	403	1.978	ug/l #	86
16) Acetone	4.14	43	5604	6.476	ug/l	99
18) Methyl Acetate	4.67	43	2394	1.117	ug/l #	70
20) Methylene Chloride	4.91	84	39282	12.008	ug/l	98
29) Tetrahydrofuran	7.54	42	5614	7.958	ug/l	98
31) Cyclohexane	7.95	56	7023	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	23879	4.898	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28655	6.790	ug/l #	16
41) Methacrylonitrile	7.52	41	3652	2.326	ug/l #	52
49) 1,4-Dioxane	9.48	88	25	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	94744	71.386	ug/l #	100
77) Bromobenzene	12.87	156	2451	1.110	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	94744	156.517	ug/l #	6
95) Naphthalene	15.36	128	967	4.493	ug/l #	73

(#) = 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: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampleId :

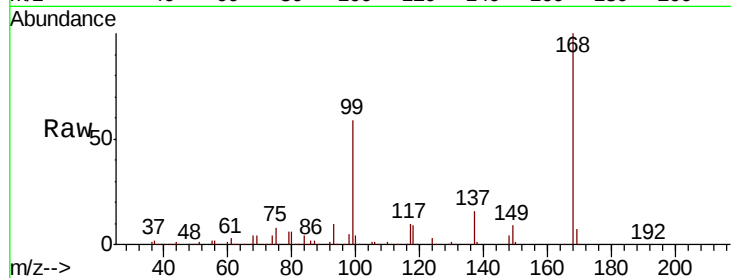
CL-02-082619

Tgt Ion:168 Resp: 284772

Ion Ratio Lower Upper

168 100

99 59.3 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

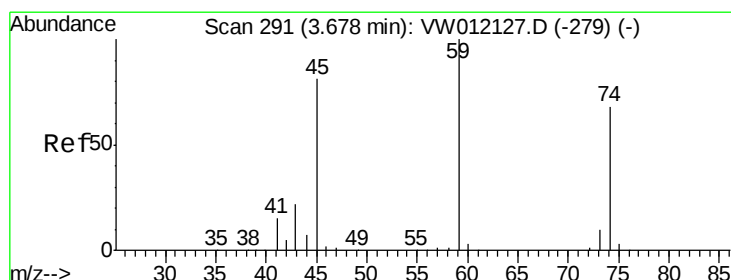
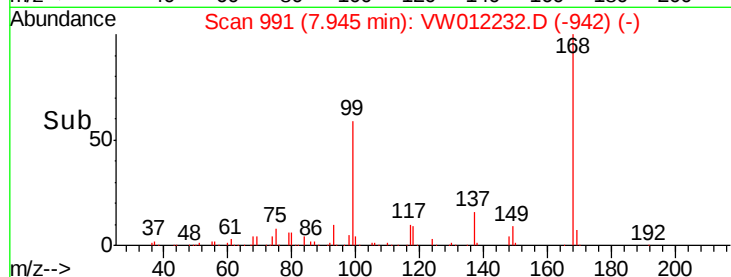
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.099 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012232.D

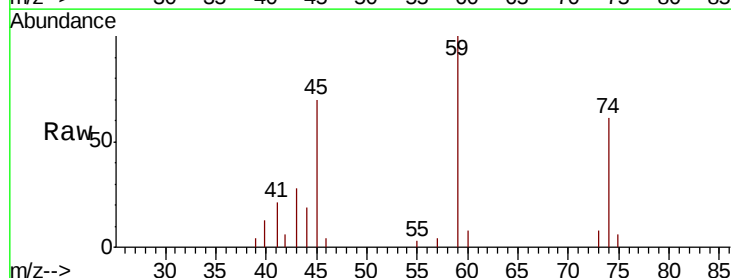
Acq: 28 Aug 2019 04:08

Tgt Ion: 74 Resp: 3327

Ion Ratio Lower Upper

74 100

45 134.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2000

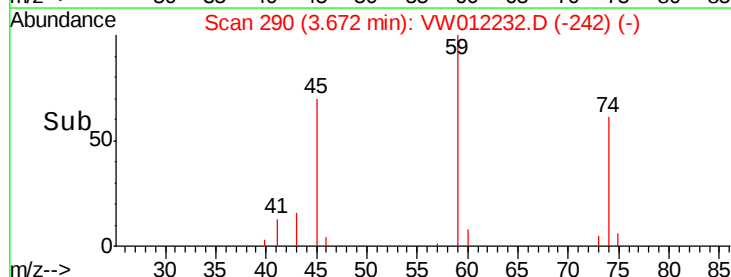
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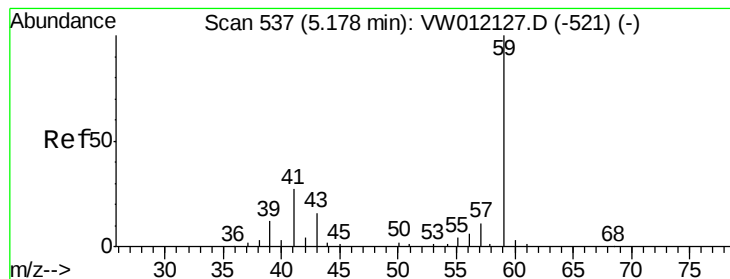
1000

500

0

Time-->



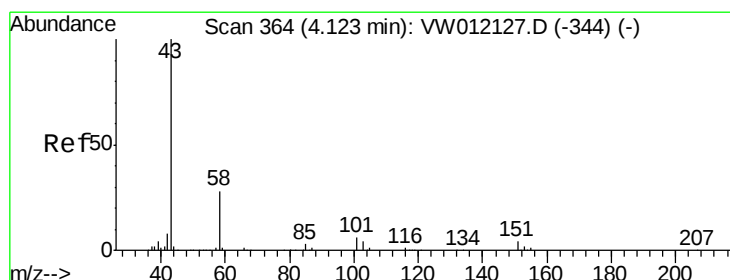
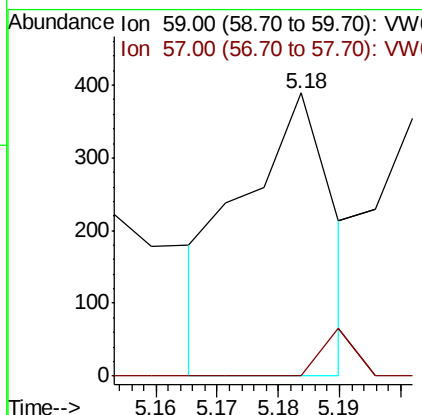
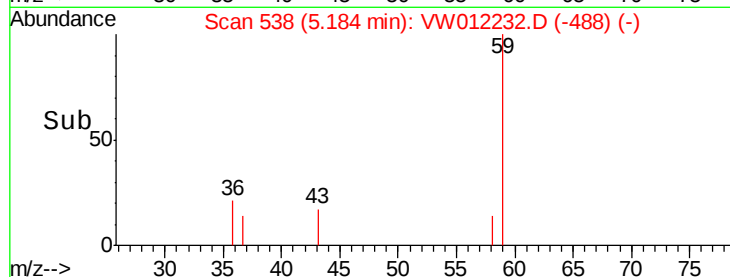
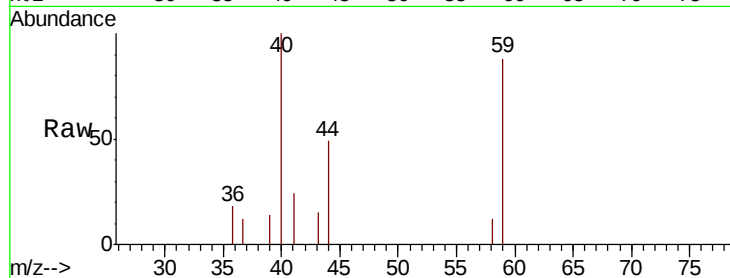


#11

Tert butyl alcohol
 Concen: 1.978 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-082619

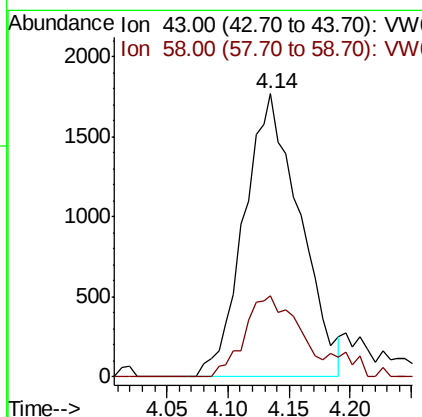
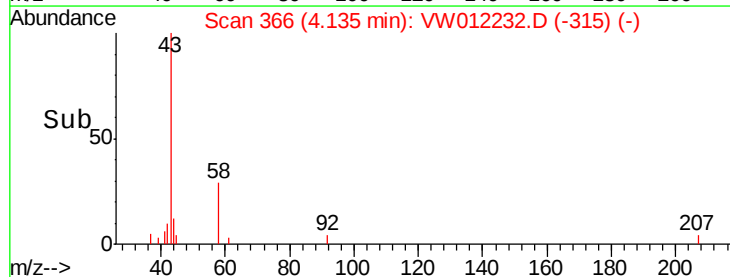
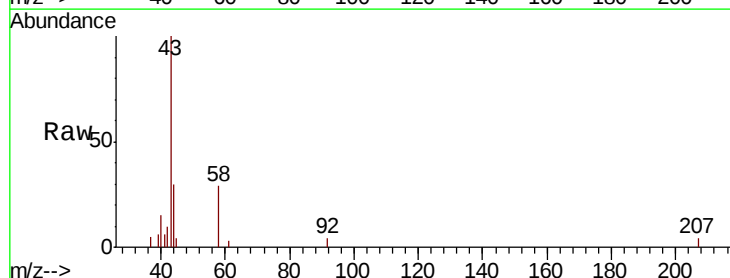
Tgt Ion: 59 Resp: 403
 Ion Ratio Lower Upper
 59 100
 57 6.0 9.0 13.4#

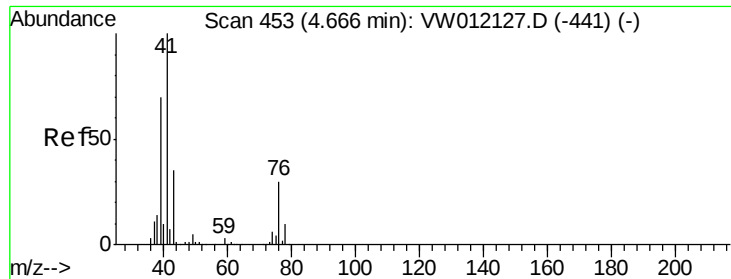


#16

Acetone
 Concen: 6.476 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

Tgt Ion: 43 Resp: 5604
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.4 33.6

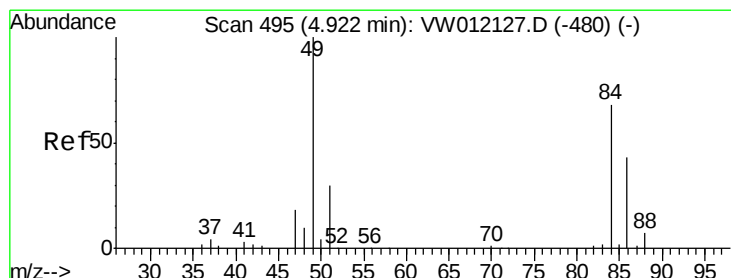
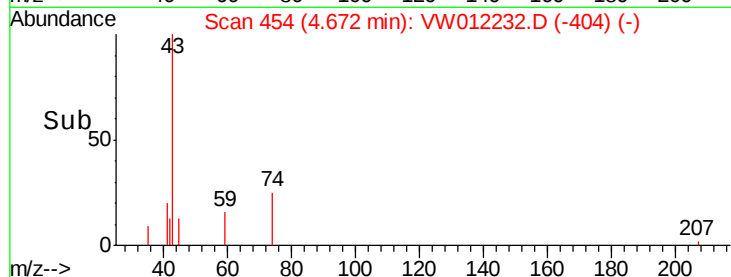
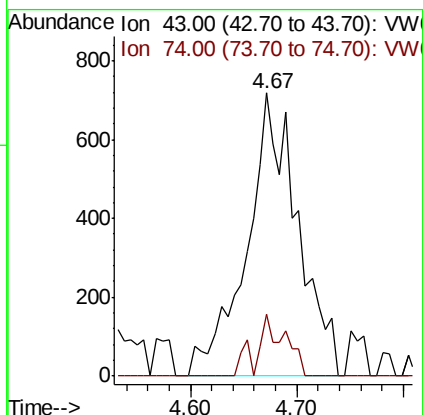
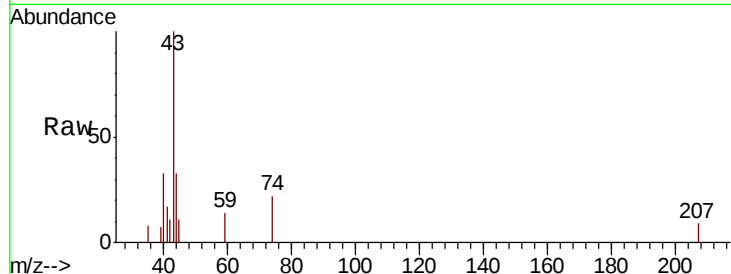




#18
Methyl Acetate
Concen: 1.117 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012232.D
Acq: 28 Aug 2019 04:08

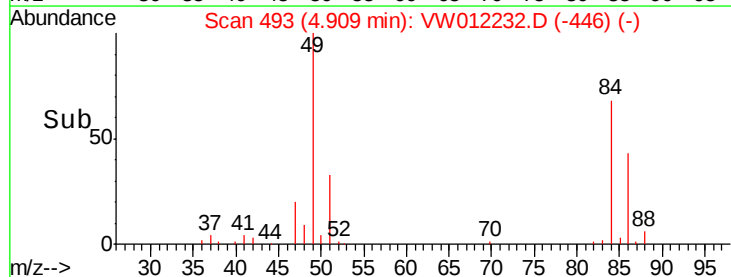
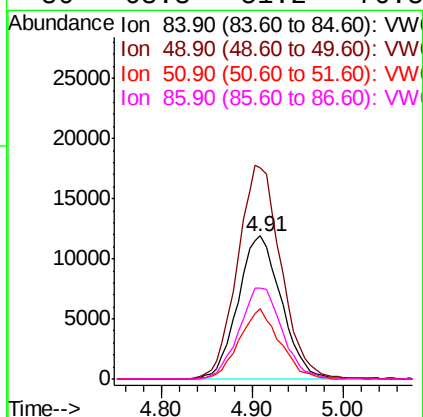
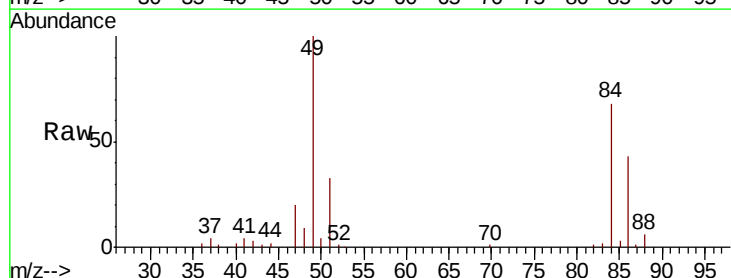
Instrument :
MSVOA_W
ClientSampleId :
CL-02-082619

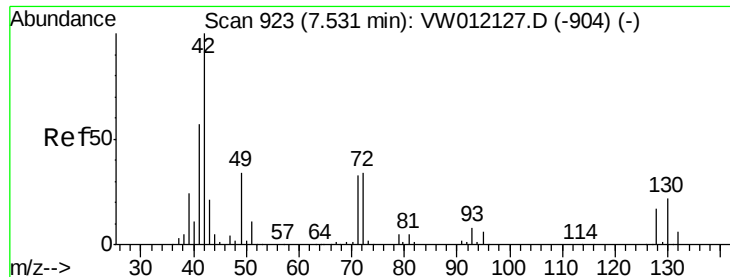
Tgt Ion: 43 Resp: 2394
Ion Ratio Lower Upper
43 100
74 6.1 15.7 23.5#



#20
Methylene Chloride
Concen: 12.008 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012232.D
Acq: 28 Aug 2019 04:08

Tgt Ion: 84 Resp: 39282
Ion Ratio Lower Upper
84 100
49 147.1 117.8 176.8
51 49.0 35.6 53.4
86 63.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.958 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampled :

CL-02-082619

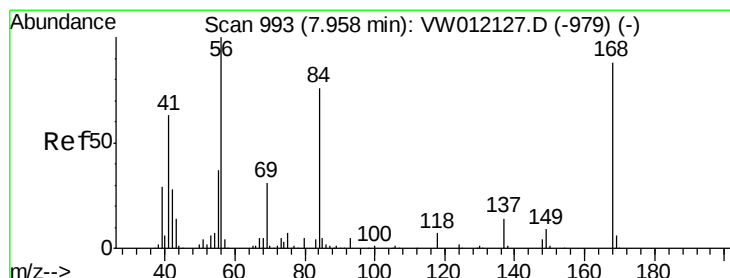
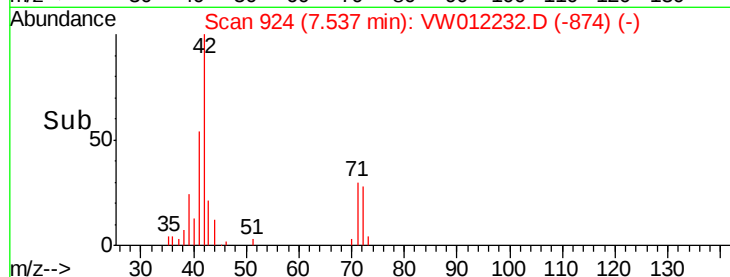
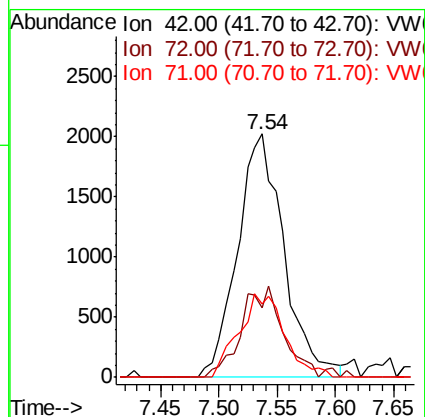
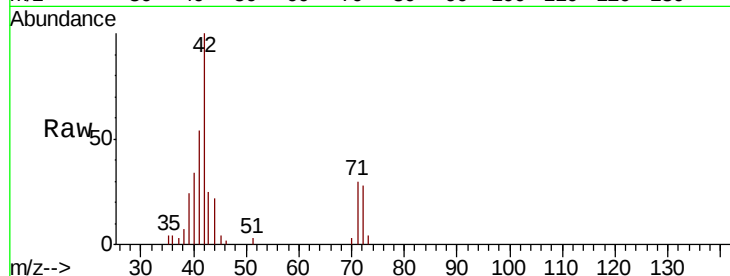
Tgt Ion: 42 Resp: 5614

Ion Ratio Lower Upper

42 100

72 33.4 27.3 40.9

71 34.0 25.5 38.3



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

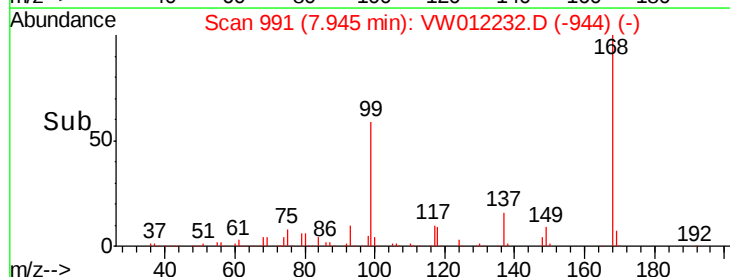
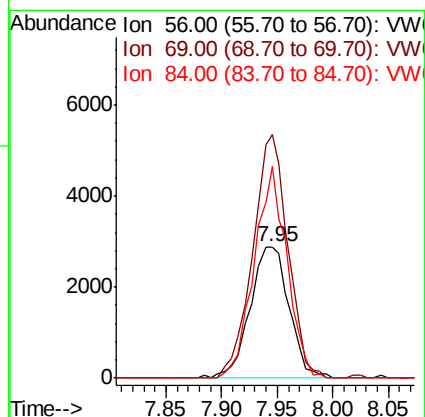
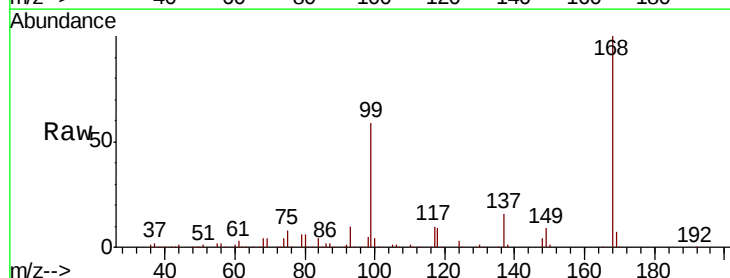
Tgt Ion: 56 Resp: 7023

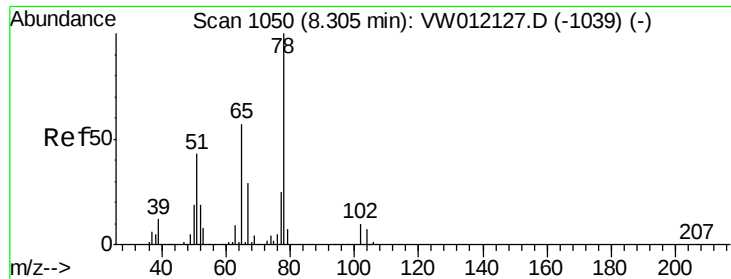
Ion Ratio Lower Upper

56 100

69 185.9 24.9 37.3#

84 161.4 60.6 90.8#

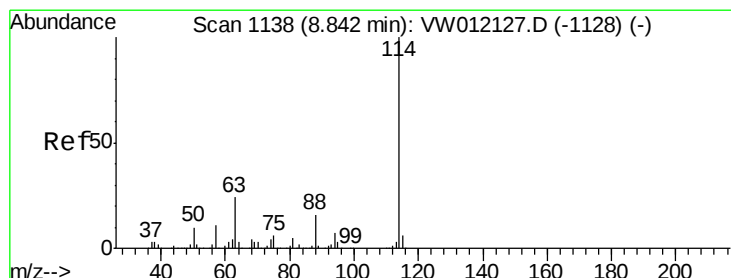
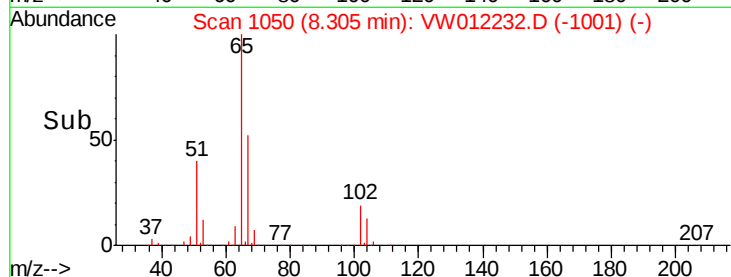
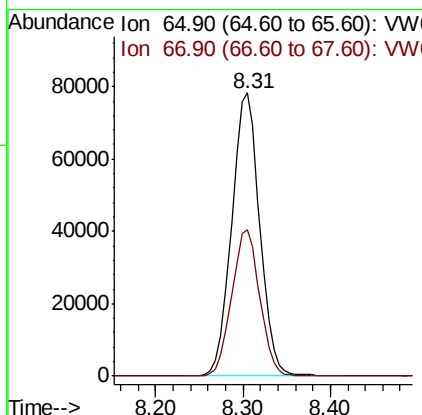
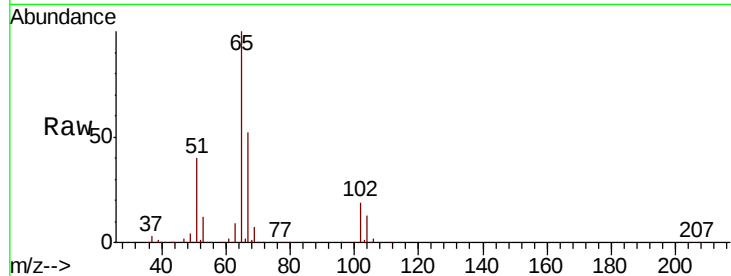




#33
 1,2-Dichloroethane-d4
 Concen: 51.439 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

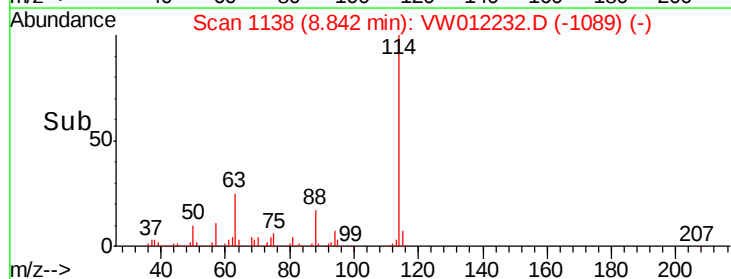
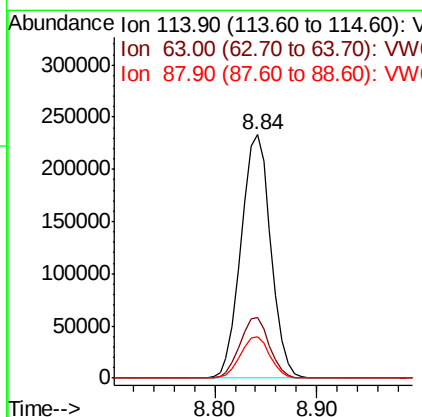
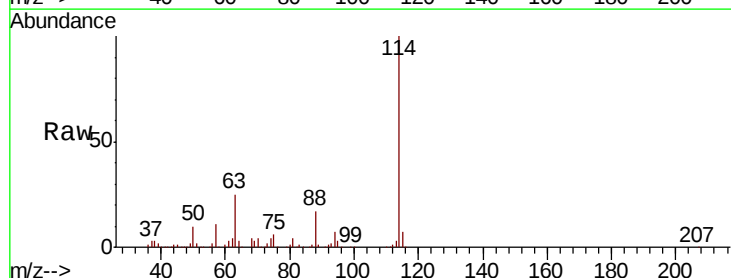
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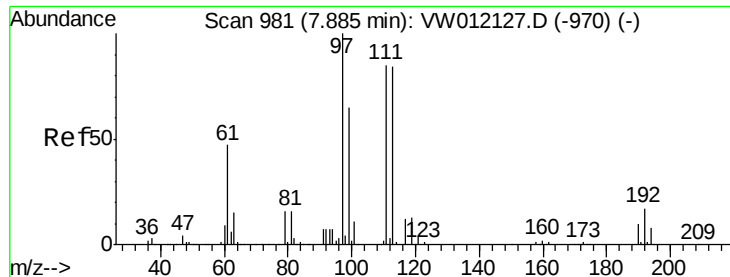
Tgt Ion: 65 Resp: 174133
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

Tgt Ion: 114 Resp: 471811
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 17.1 0.0 32.2

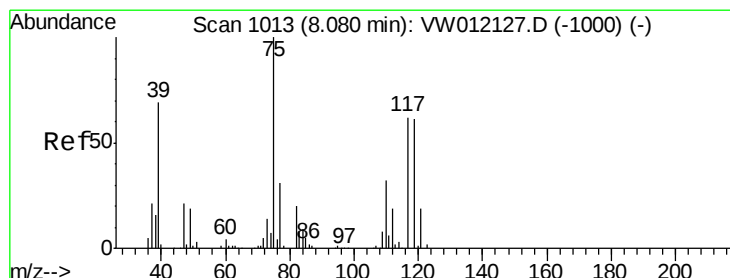
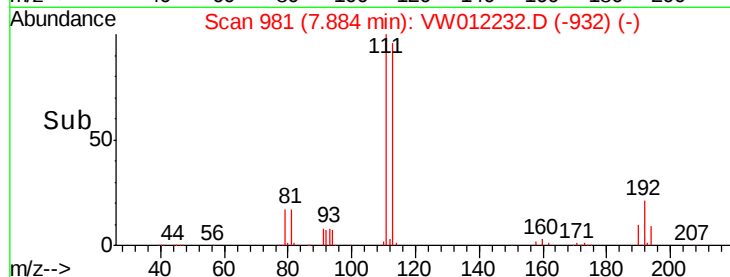
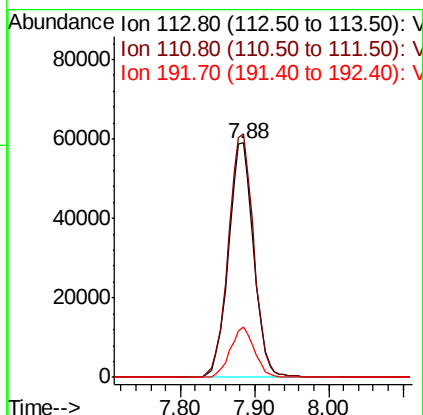
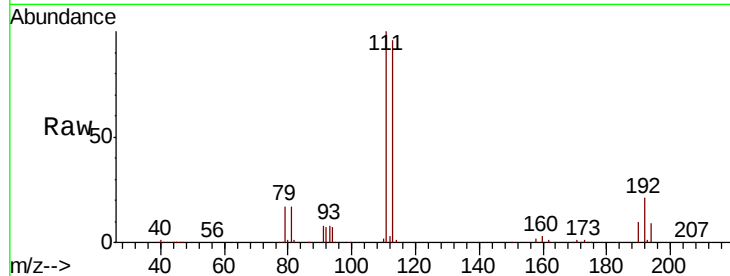




#35
 Dibromofluoromethane
 Concen: 49.456 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

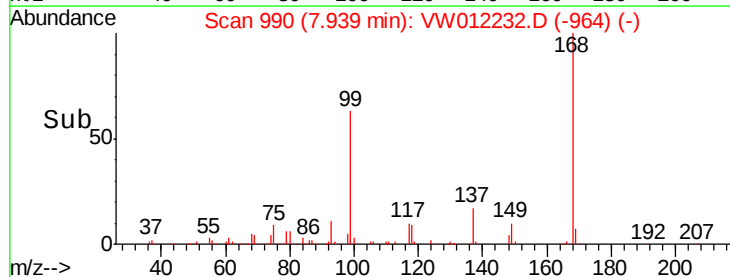
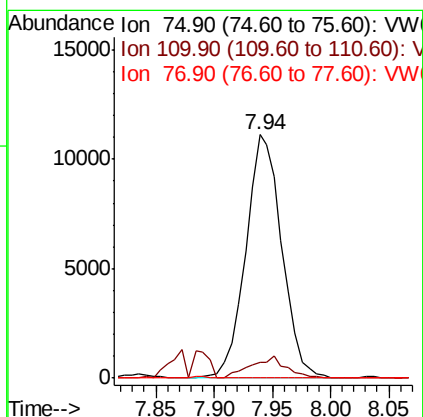
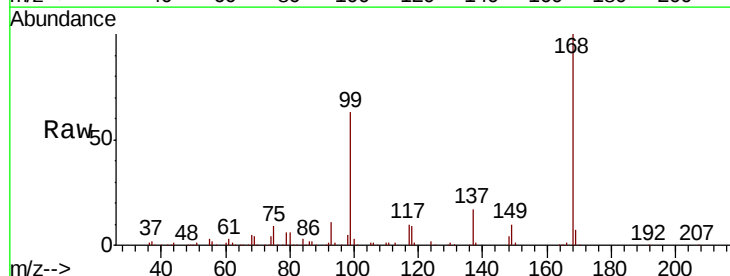
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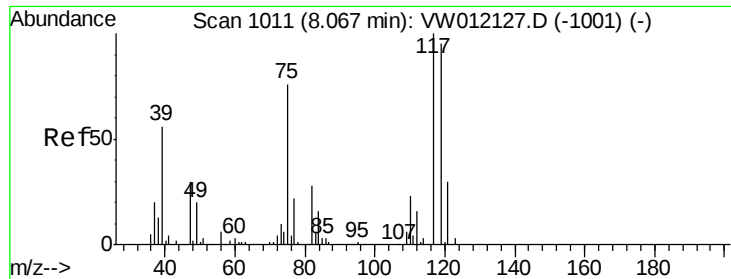
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.7	124.1
192	20.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.6	36.8#

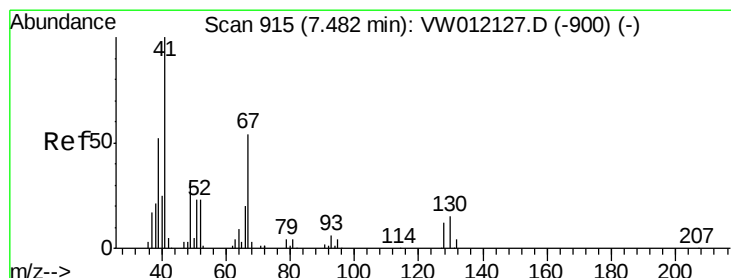
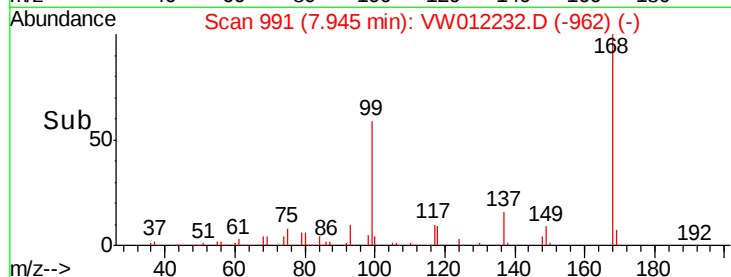
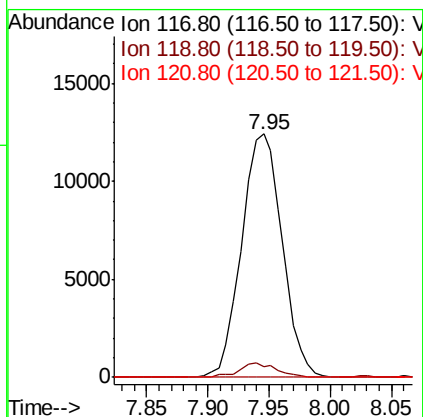
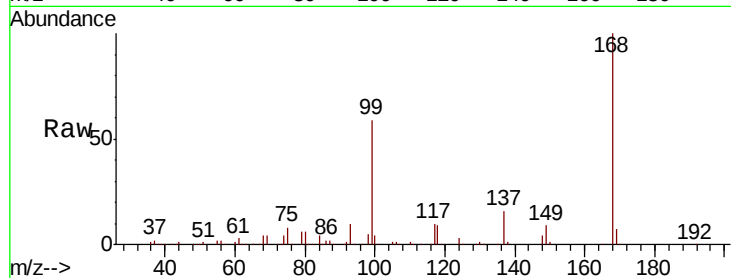




#38
 Carbon Tetrachloride
 Concen: 6.790 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

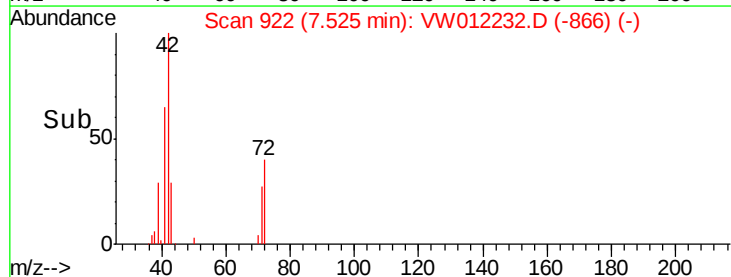
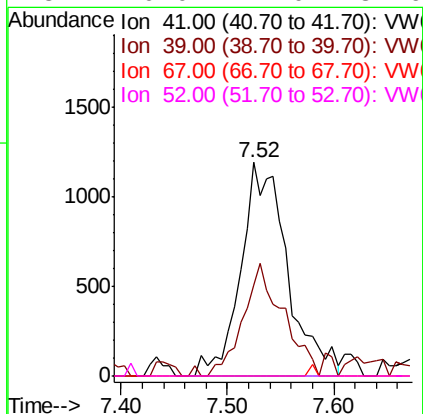
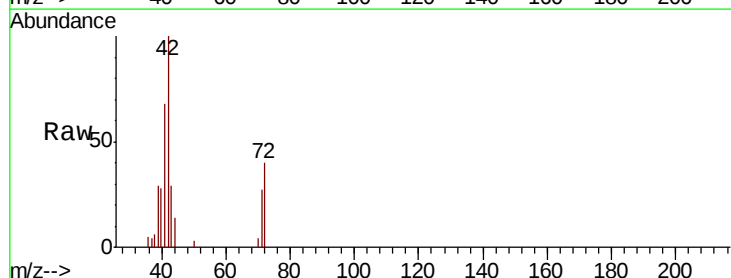
Instrument :
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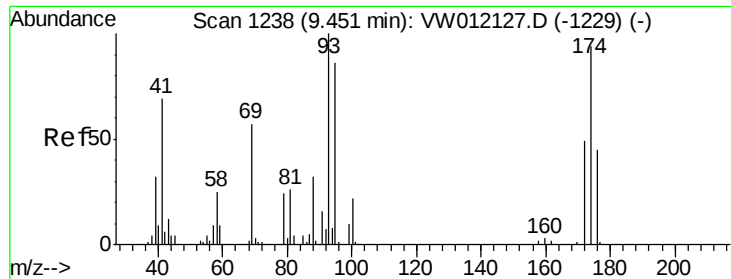
Tgt Ion: 117 Resp: 28655
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.8 35.8#



#41
 Methacrylonitrile
 Concen: 2.326 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.04 min
 Lab File: VW012232.D
 Acq: 28 Aug 2019 04:08

Tgt Ion: 41 Resp: 3652
 Ion Ratio Lower Upper
 41 100
 39 45.2 45.8 68.8#
 67 0.0 46.2 69.4#
 52 0.0 21.0 31.6#





#49

1,4-Dioxane

Concen: 1.024 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.03 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampleId :

CL-02-082619

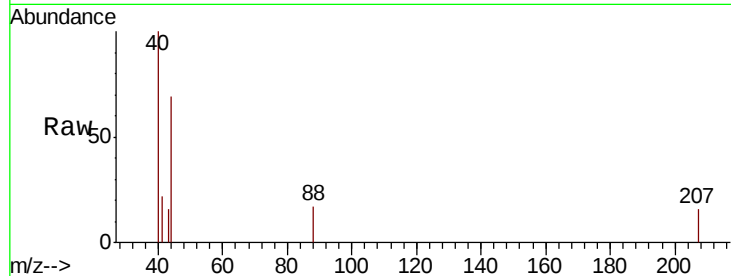
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 316.0 32.9 49.3#

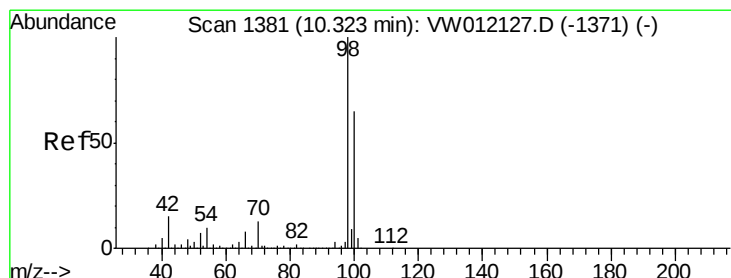
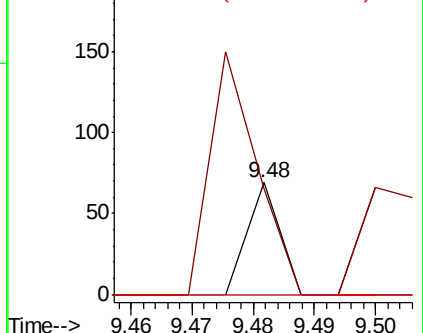
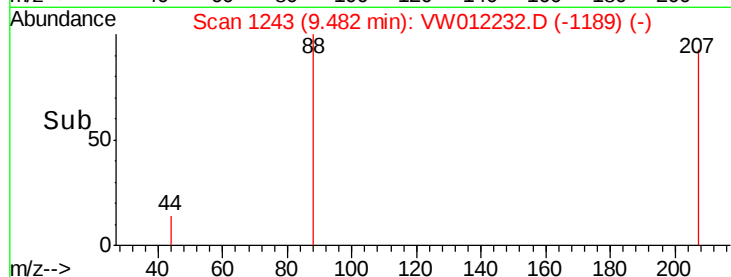
58 0.0 71.0 106.4#



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: 50.948 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012232.D

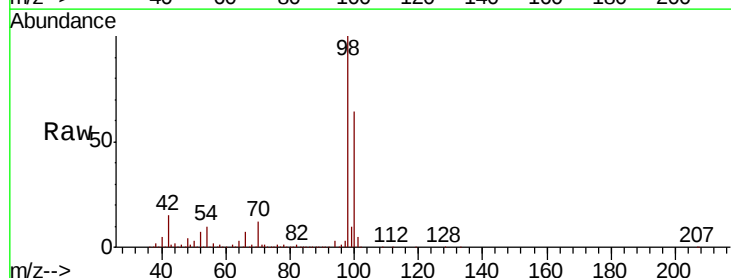
Acq: 28 Aug 2019 04:08

Tgt Ion: 98 Resp: 581774

Ion Ratio Lower Upper

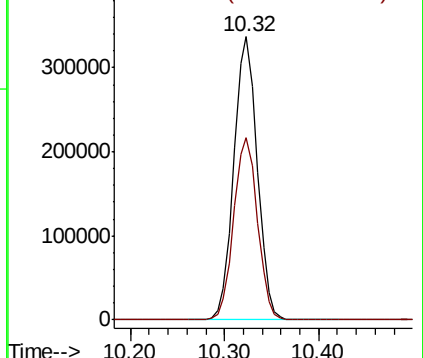
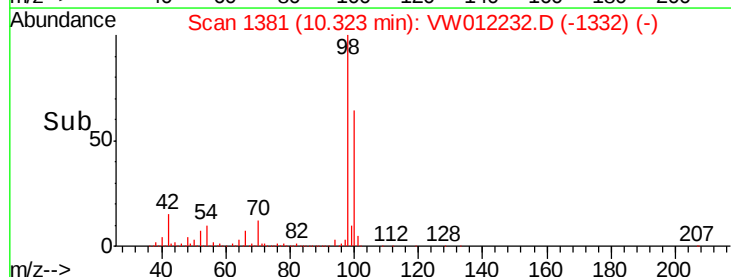
98 100

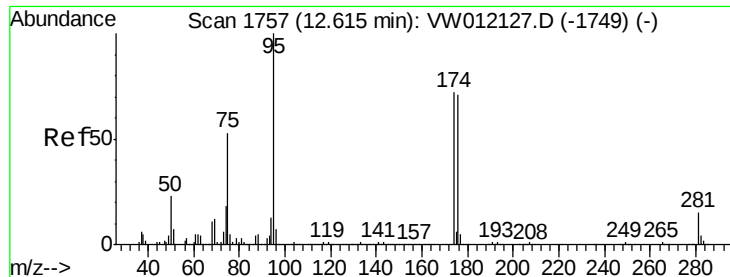
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.364 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampleId :

CL-02-082619

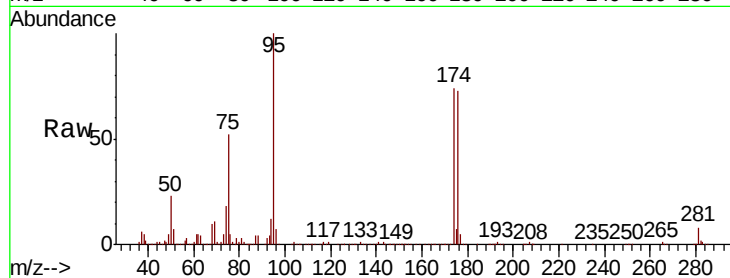
Tgt Ion: 95 Resp: 178573

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.8

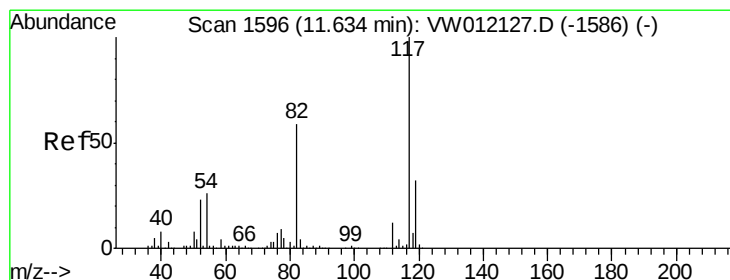
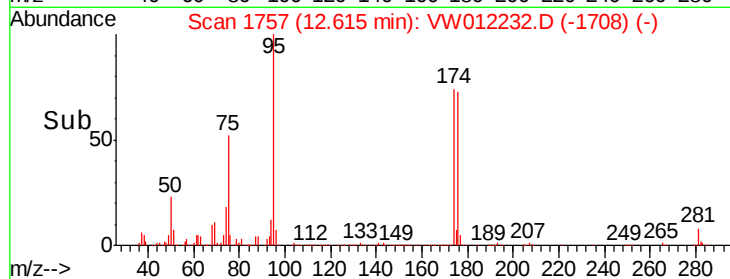
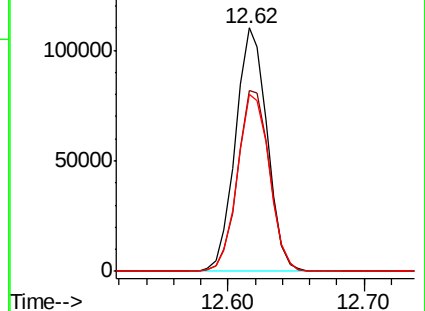
176 73.9 0.0 148.6



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: VW012232.D

Acq: 28 Aug 2019 04:08

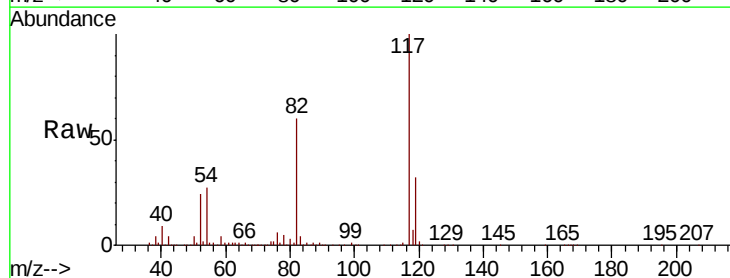
Tgt Ion: 117 Resp: 392024

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

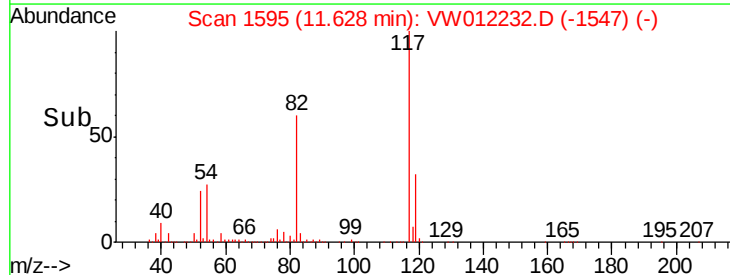
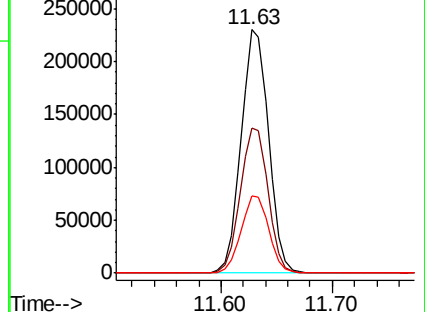
119 31.8 25.4 38.2

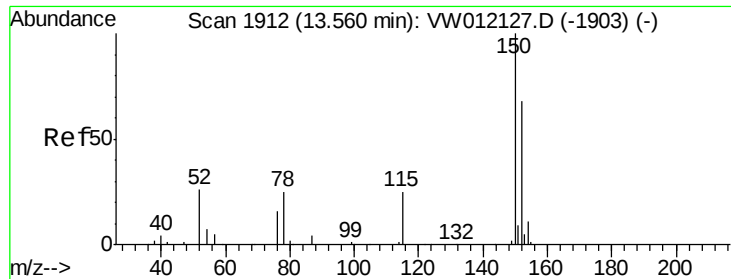


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampleId :

CL-02-082619

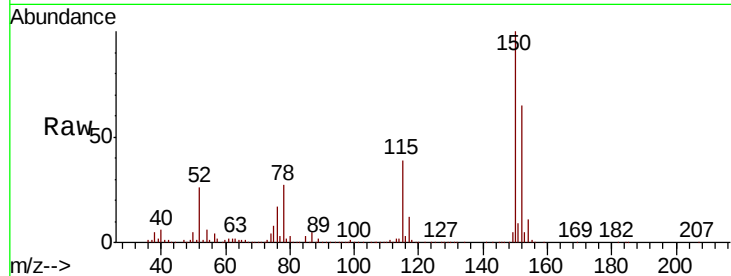
Tgt Ion:152 Resp: 136273

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

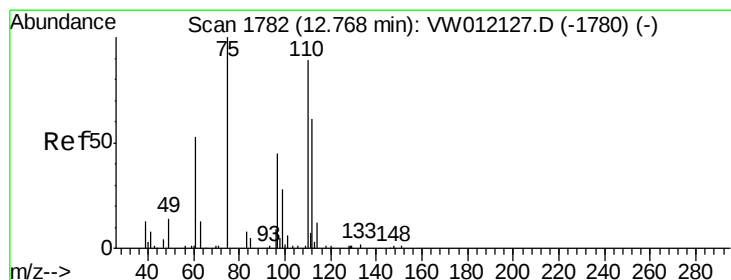
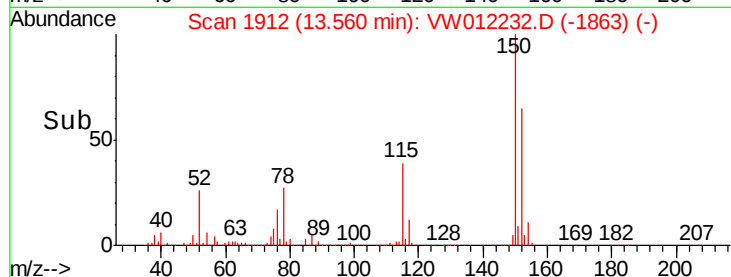
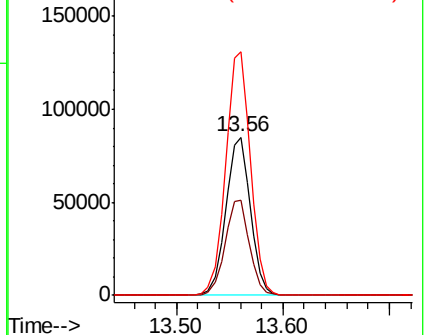
150 155.7 0.0 345.8



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: 71.386 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012232.D

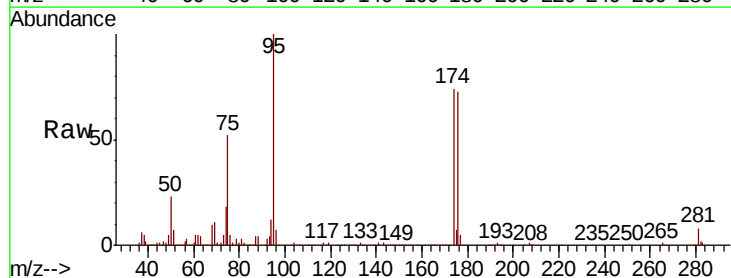
Acq: 28 Aug 2019 04:08

Tgt Ion: 75 Resp: 94744

Ion Ratio Lower Upper

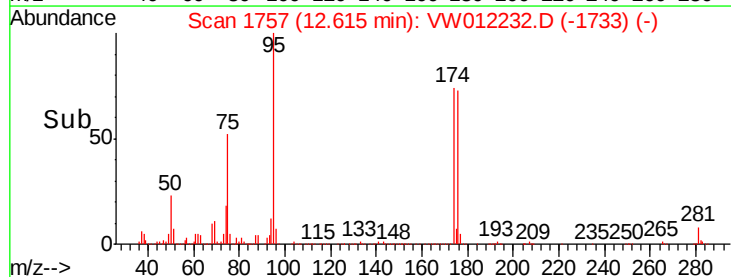
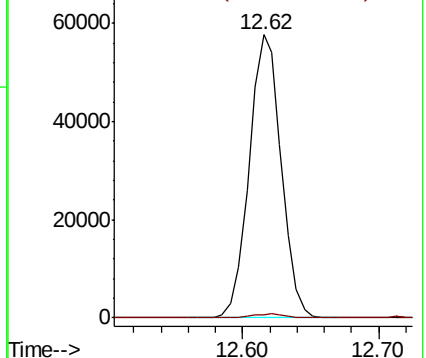
75 100

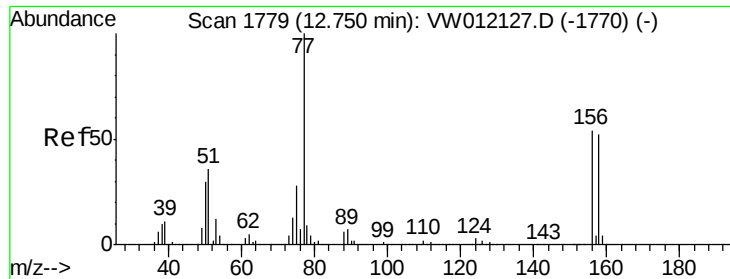
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.110 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

Instrument :

MSVOA_W

ClientSampleId :

CL-02-082619

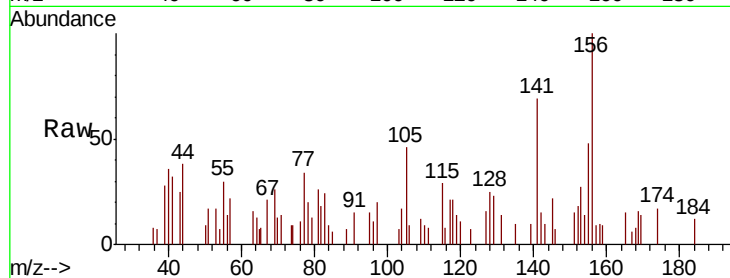
Tgt Ion:156 Resp: 2451

Ion Ratio Lower Upper

156 100

77 10.4 107.3 321.8#

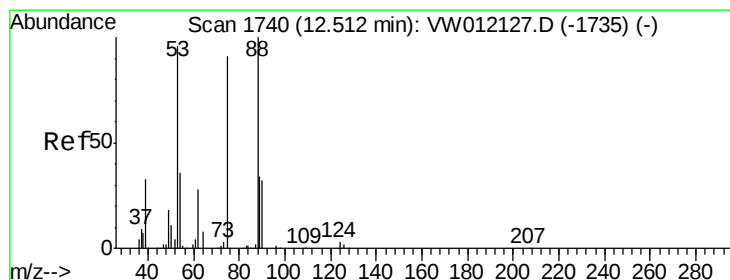
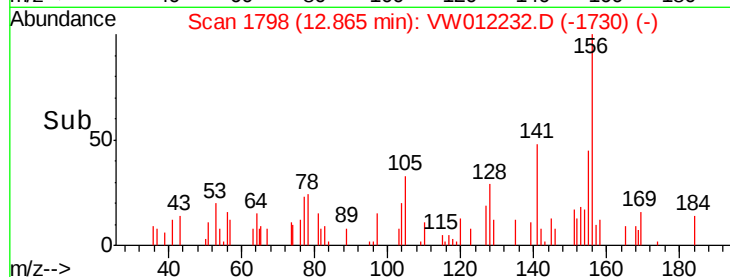
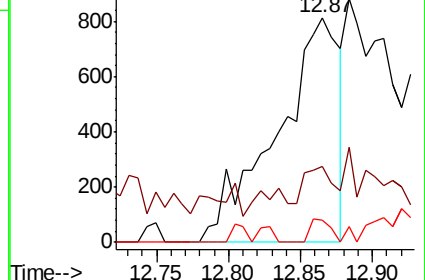
158 3.3 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 156.517 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012232.D

Acq: 28 Aug 2019 04:08

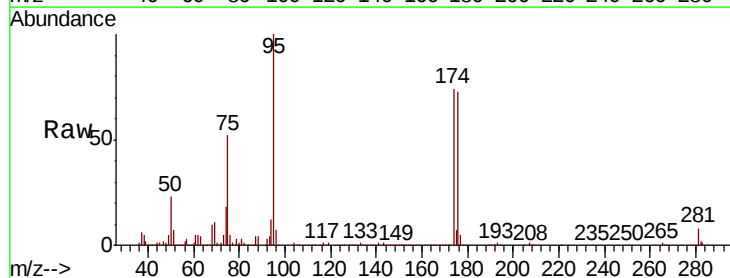
Tgt Ion: 75 Resp: 94744

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

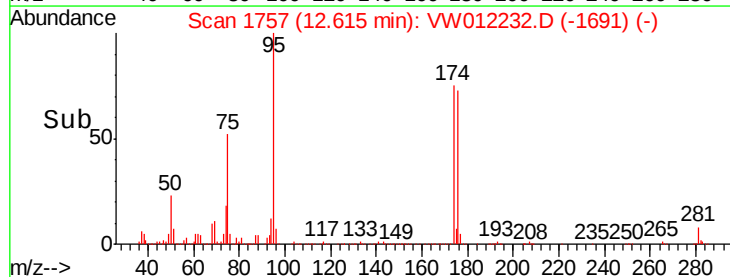
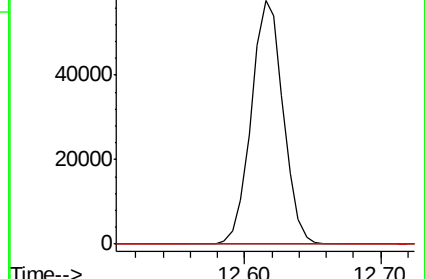
89 0.0 34.5 51.7#

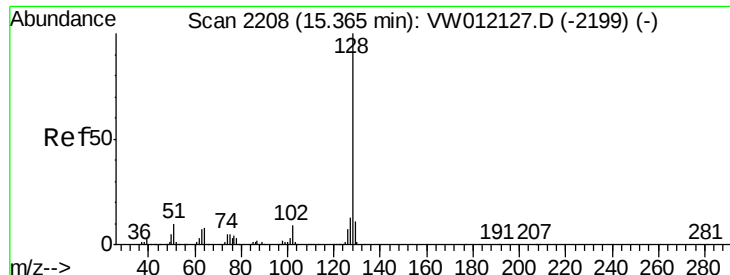


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.493 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012232.D
Acq: 28 Aug 2019 04:08

Instrument :
MSVOA_W
ClientSampleId :
CL-02-082619

Tgt Ion:128 Resp: 967
Ion Ratio Lower Upper
128 100
127 23.5 10.7 16.1#
129 0.0 8.7 13.1#

