

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012230.D
 Acq On : 28 Aug 2019 03:16
 Operator : SY/VA
 Sample : K4551-08
 Misc : 6.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S400-K1-1.0-1.5-082619

Quant Time: Aug 28 05:04:15 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	280576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	355880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	116898	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	165830	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.88	113	135568	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.32	98	556004	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.62	95	160629	41.01	ug/l	0.00
Spiked Amount			Recovery	=	82.02%	

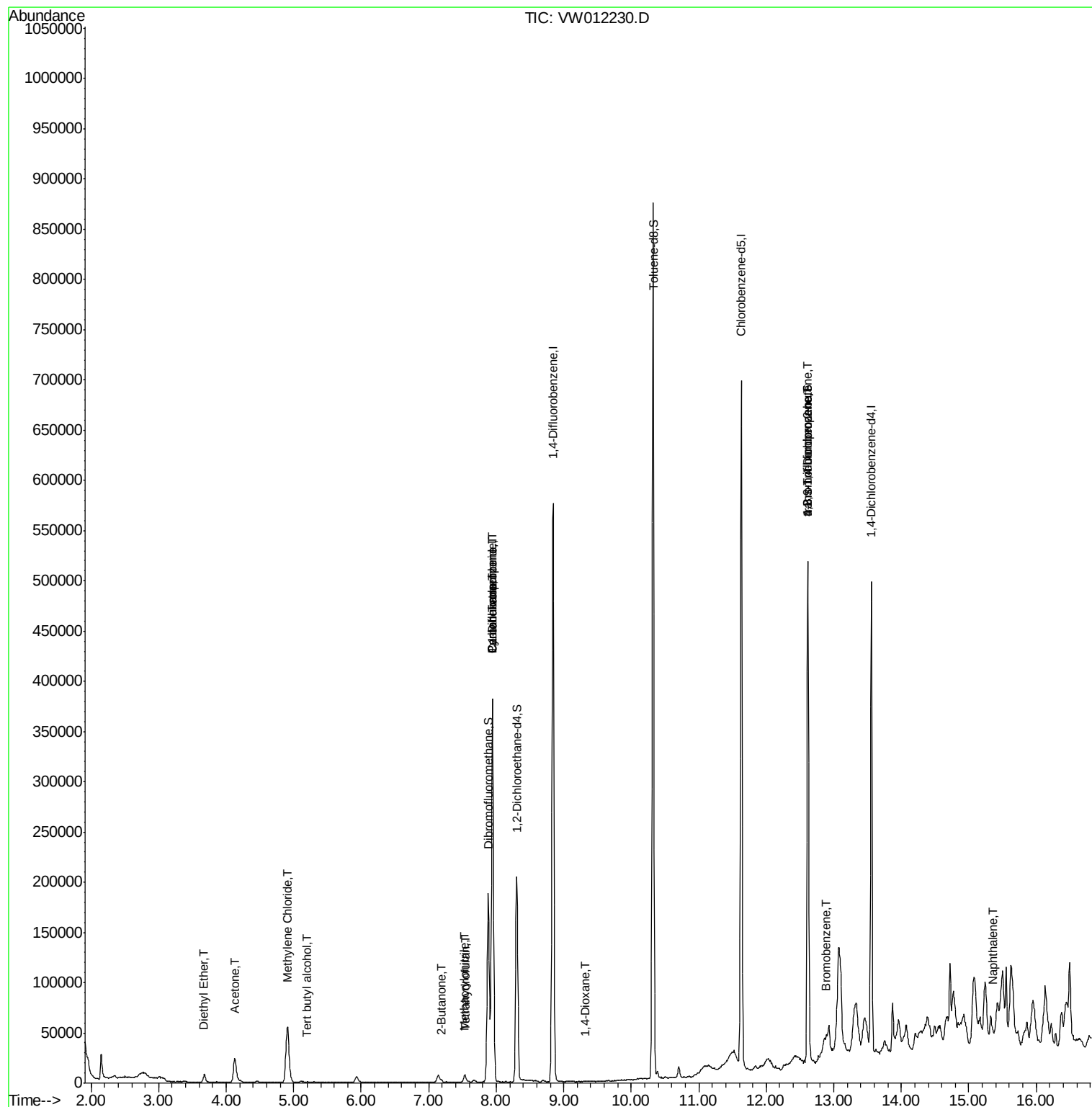
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	3705	2.373	ug/l	84
11) Tert butyl alcohol	5.18	59	289	1.440	ug/l #	89
16) Acetone	4.12	43	49453	58.003	ug/l	97
20) Methylene Chloride	4.91	84	40936	12.701	ug/l	93
25) 2-Butanone	7.19	43	3863	3.334	ug/l	97
29) Tetrahydrofuran	7.53	42	6805	9.790	ug/l	99
31) Cyclohexane	7.95	56	6914	1.151	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	23244	4.899	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28054	6.832	ug/l #	17
41) Methacrylonitrile	7.52	41	3846	2.517	ug/l #	55
49) 1,4-Dioxane	9.33	88	26	1.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83385	73.241	ug/l #	100
77) Bromobenzene	12.88	156	37012	19.532	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	83385	160.583	ug/l #	6
95) Naphthalene	15.36	128	691	4.464	ug/l #	2

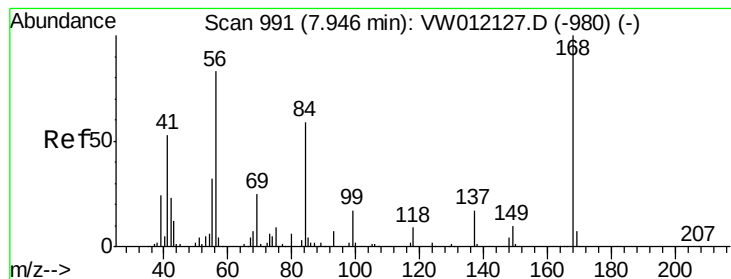
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

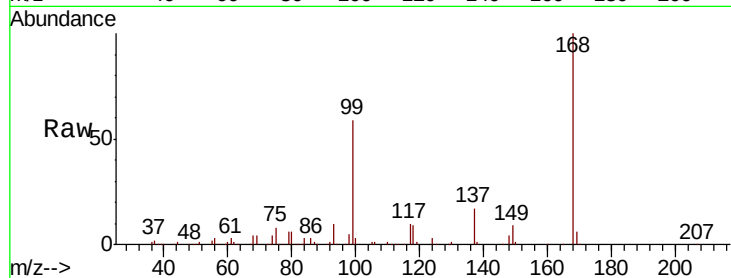
S400-K1-1.0-1.5-082619

Tgt Ion:168 Resp: 280576

Ion Ratio Lower Upper

168 100

99 58.7 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

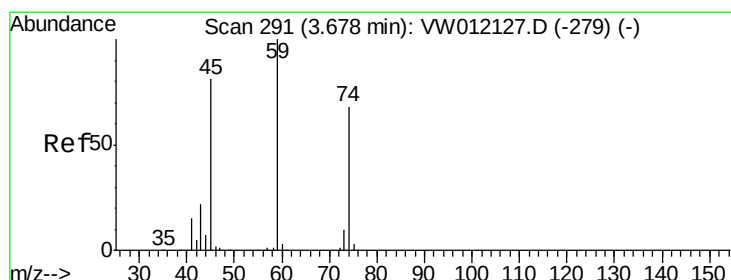
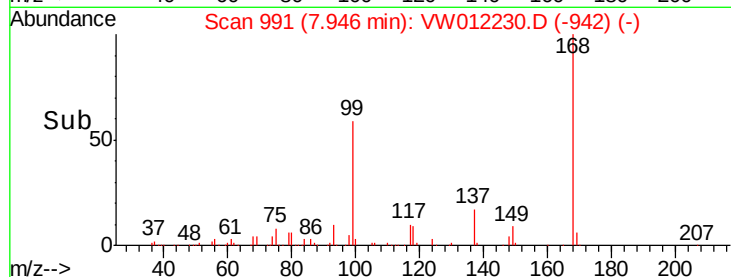
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.373 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012230.D

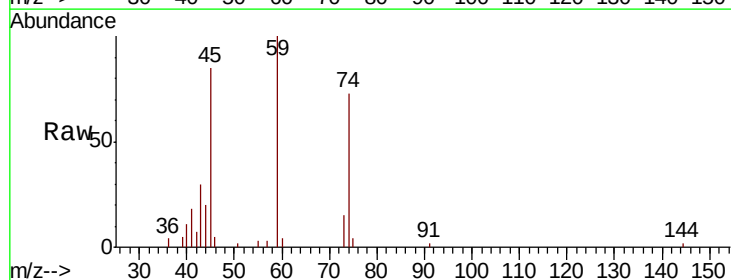
Acq: 28 Aug 2019 03:16

Tgt Ion: 74 Resp: 3705

Ion Ratio Lower Upper

74 100

45 135.5 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

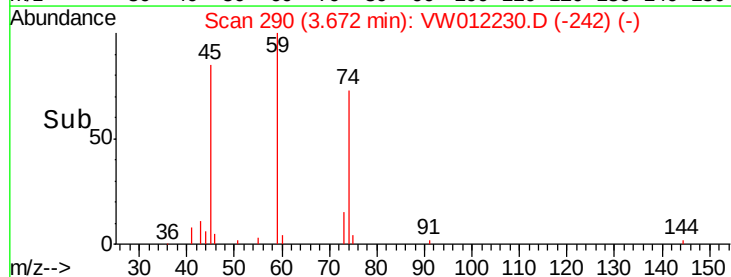
1500

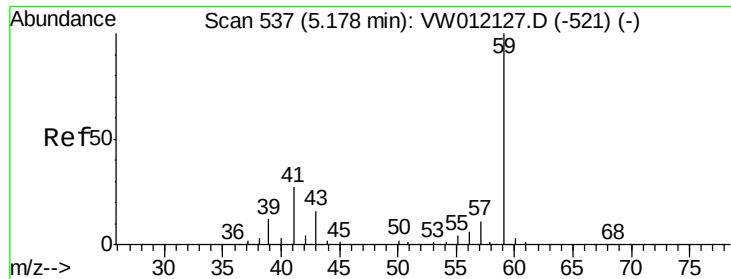
1000

500

0

Time-->

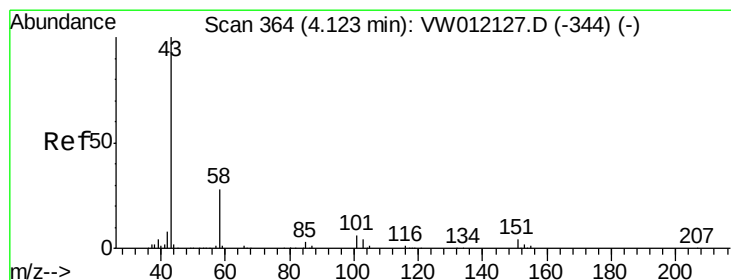
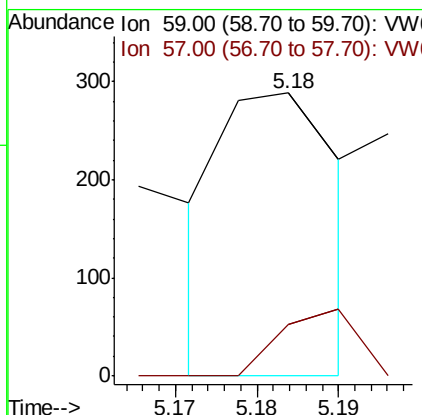
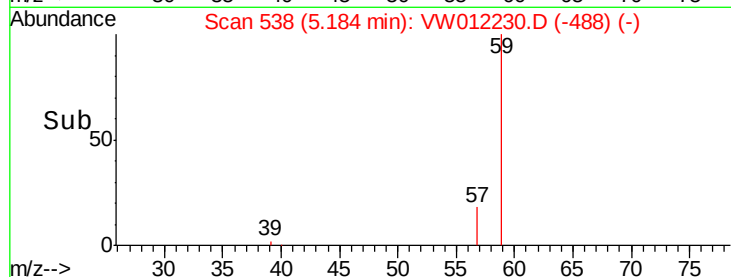
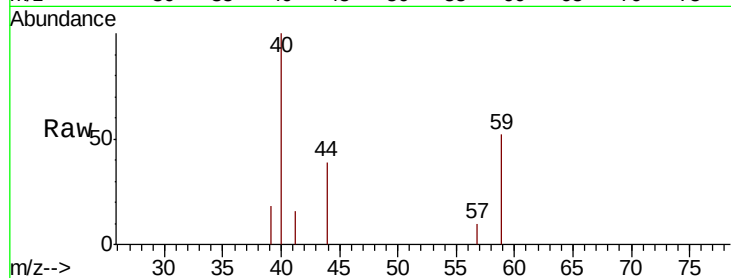




#11
Tert butyl alcohol
Concen: 1.440 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012230.D
Acq: 28 Aug 2019 03:16

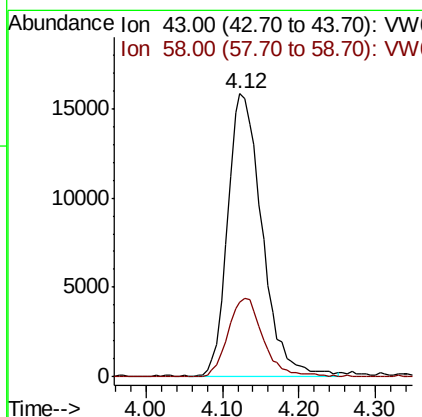
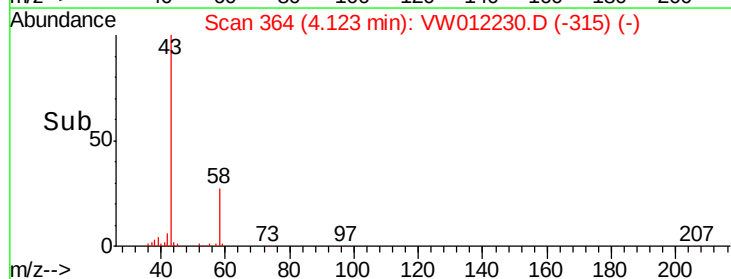
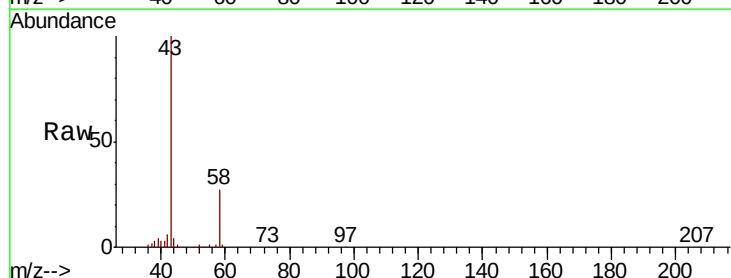
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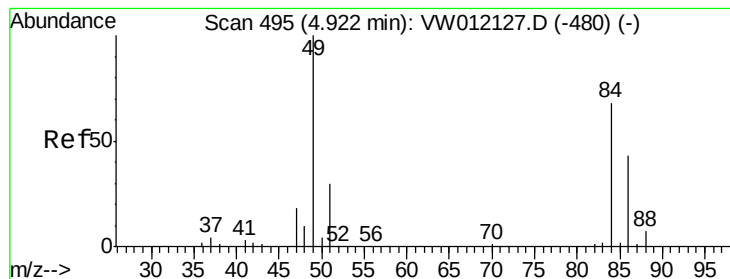
Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 15.2 9.0 13.4#



#16
Acetone
Concen: 58.003 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW012230.D
Acq: 28 Aug 2019 03:16

Tgt Ion: 43 Resp: 49453
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6





#20

Methylene Chloride

Concen: 12.701 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619

Tgt Ion: 84 Resp: 40936

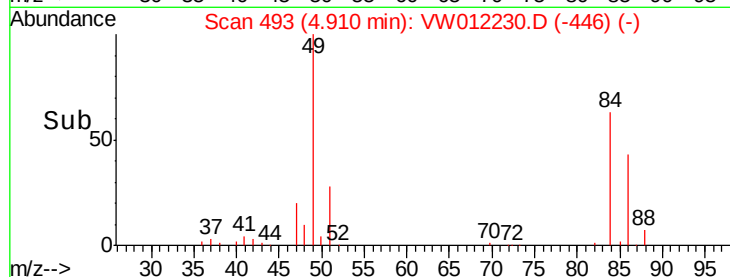
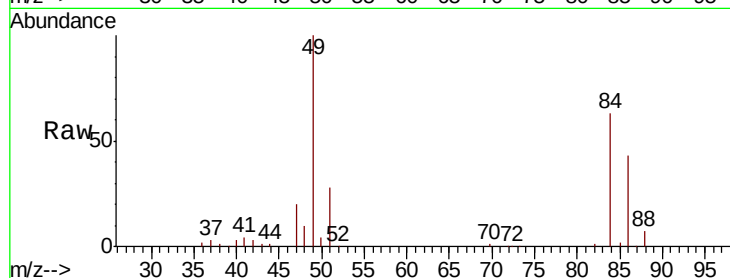
Ion Ratio Lower Upper

84 100

49 158.5 117.8 176.8

51 44.7 35.6 53.4

86 68.4 51.2 76.8

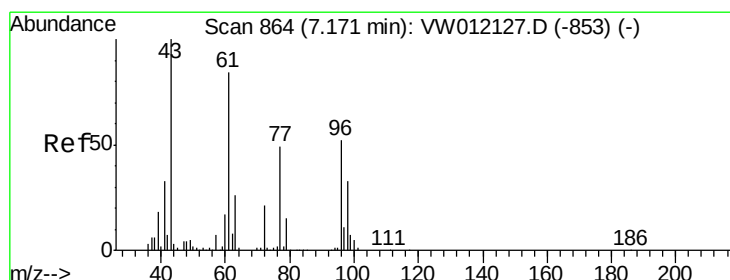
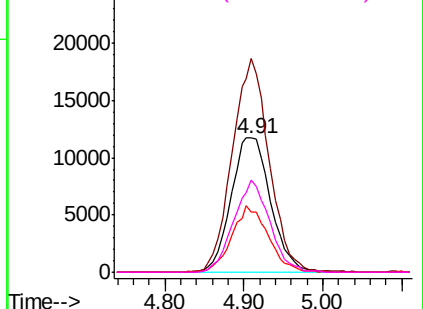


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 3.334 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012230.D

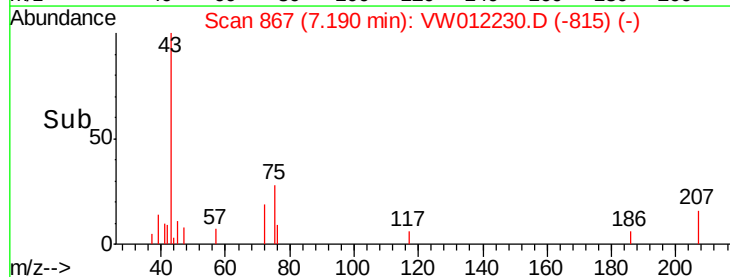
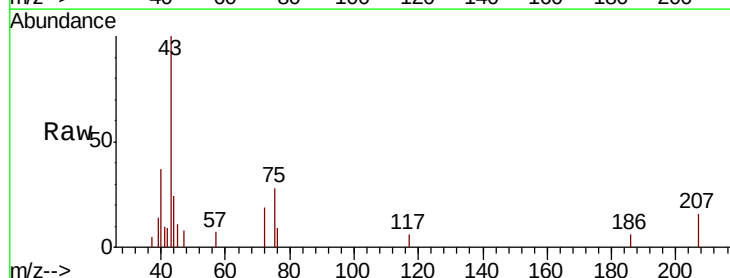
Acq: 28 Aug 2019 03:16

Tgt Ion: 43 Resp: 3863

Ion Ratio Lower Upper

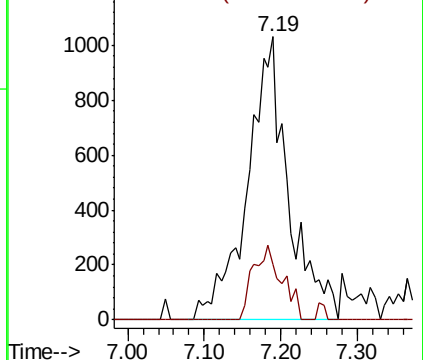
43 100

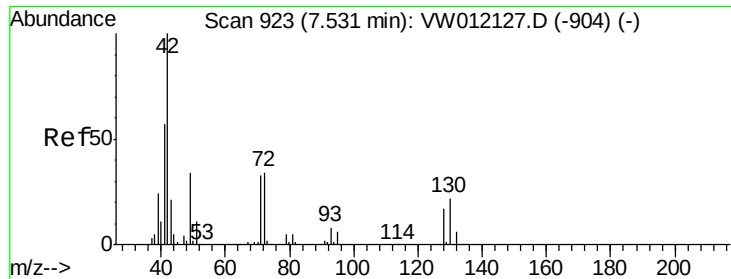
72 19.4 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

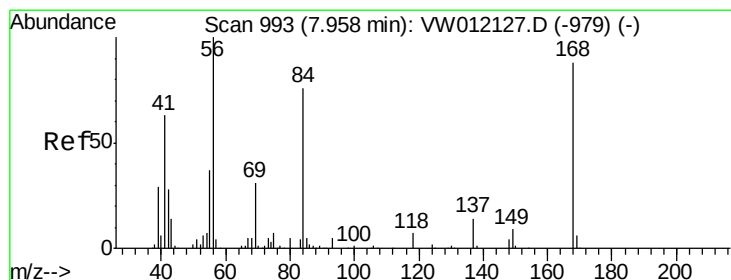
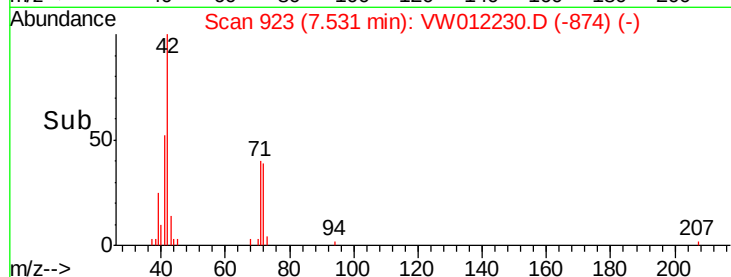
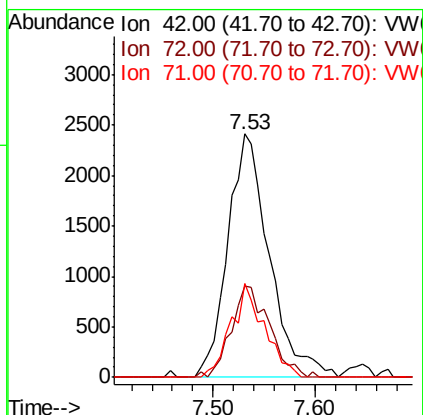
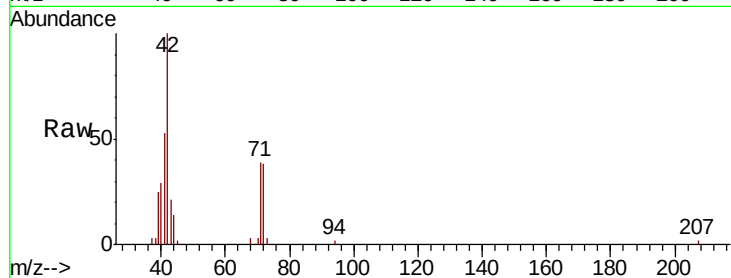




#29
Tetrahydrofuran
Concen: 9.790 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012230.D
Acq: 28 Aug 2019 03:16

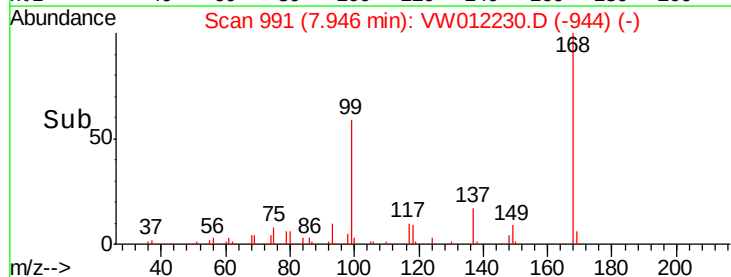
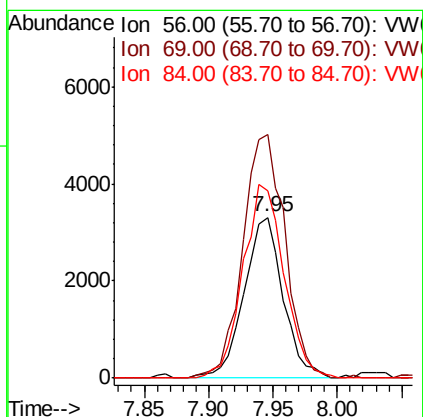
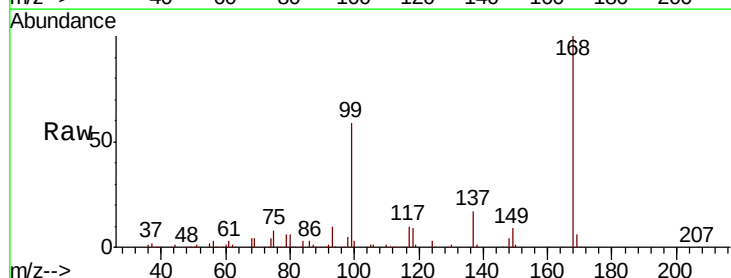
Instrument :
MSVOA_W
ClientSampleId :
S400-K1-1.0-1.5-082619

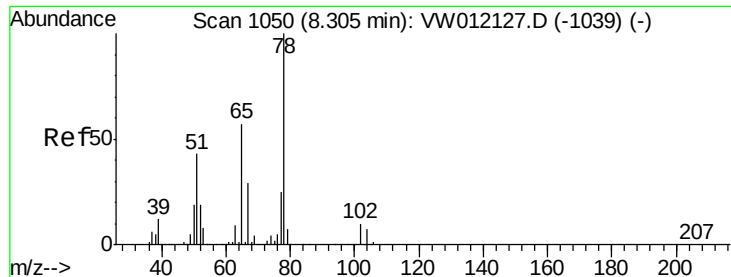
Tgt Ion: 42 Resp: 6805
Ion Ratio Lower Upper
42 100
72 34.8 27.3 40.9
71 31.2 25.5 38.3



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012230.D
Acq: 28 Aug 2019 03:16

Tgt Ion: 56 Resp: 6914
Ion Ratio Lower Upper
56 100
69 151.5 24.9 37.3#
84 116.4 60.6 90.8#

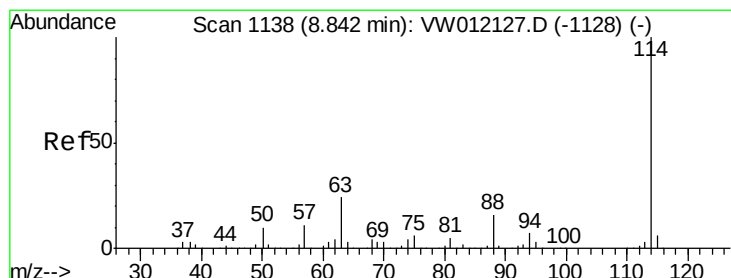
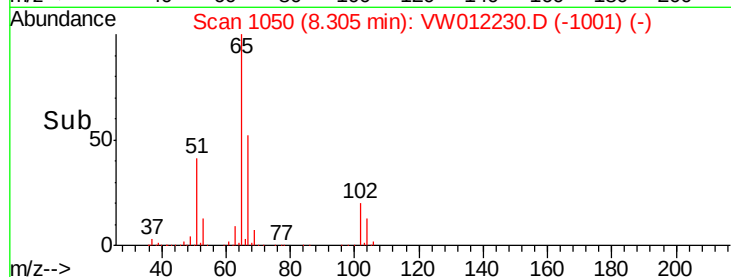
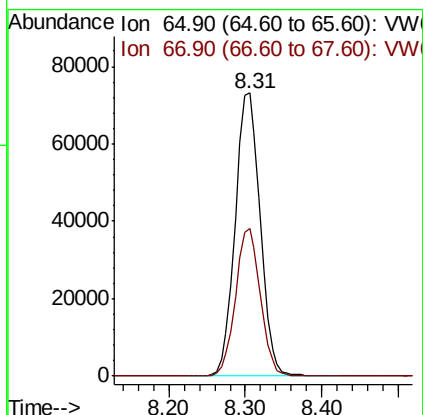
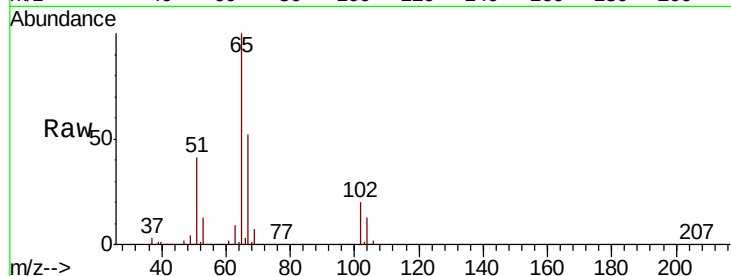




#33
 1,2-Dichloroethane-d4
 Concen: 49.719 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

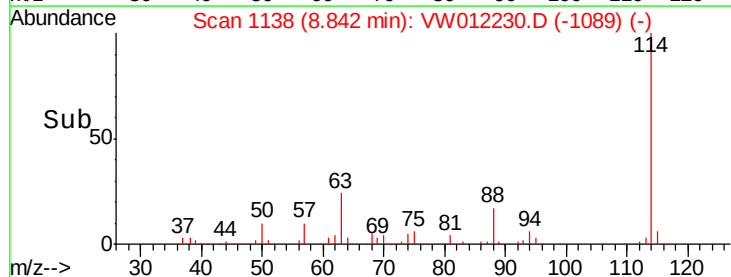
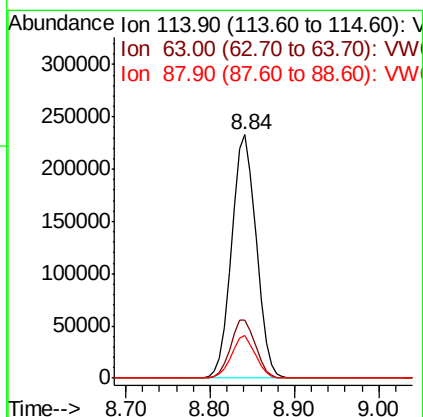
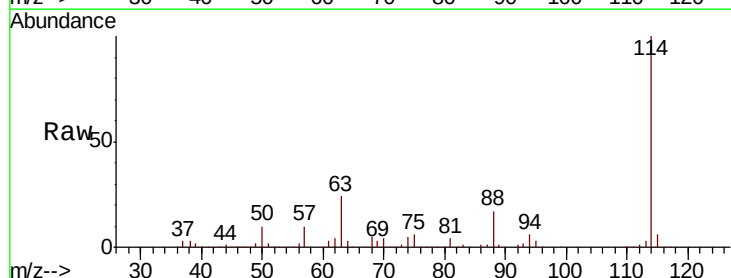
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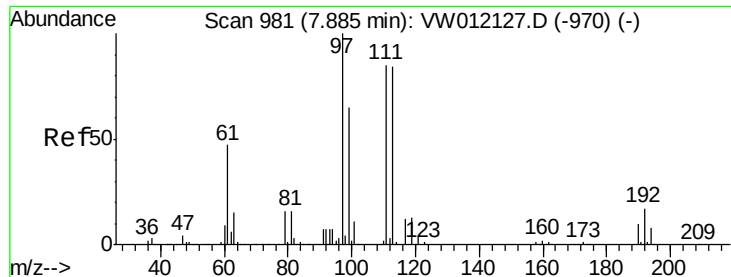
Tgt Ion: 65 Resp: 165830
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

Tgt Ion: 114 Resp: 459108
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 17.3 0.0 32.2

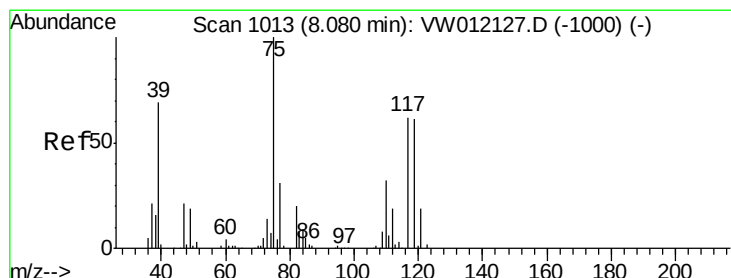
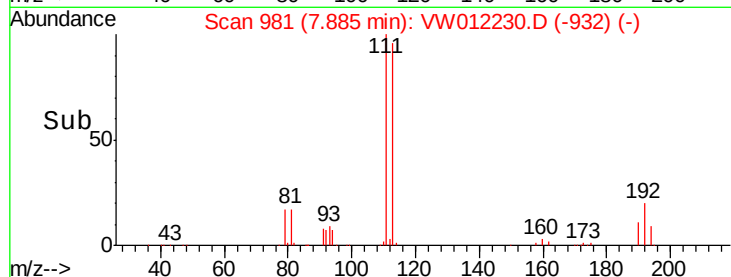
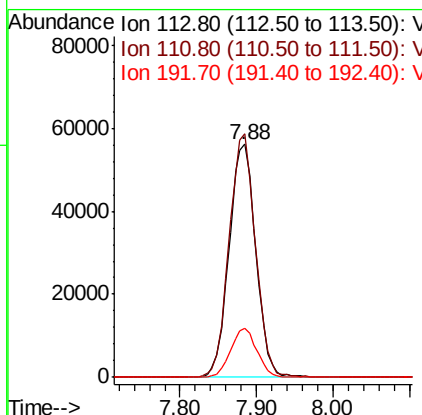
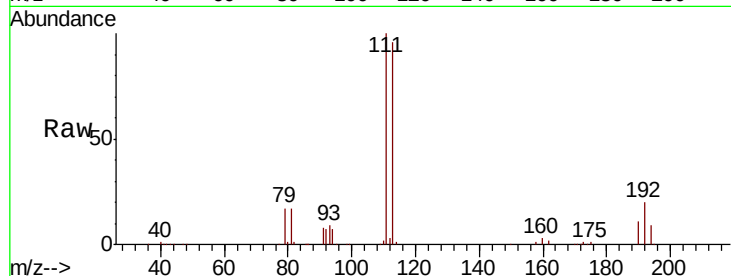




#35
 Dibromofluoromethane
 Concen: 49.470 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

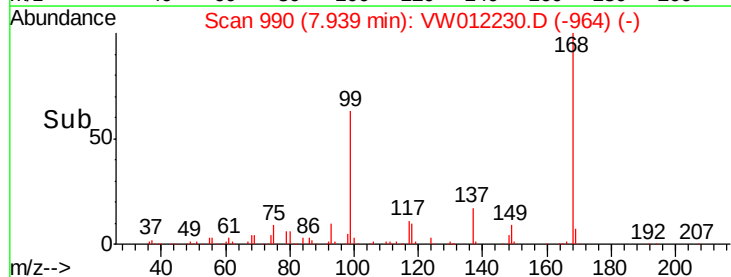
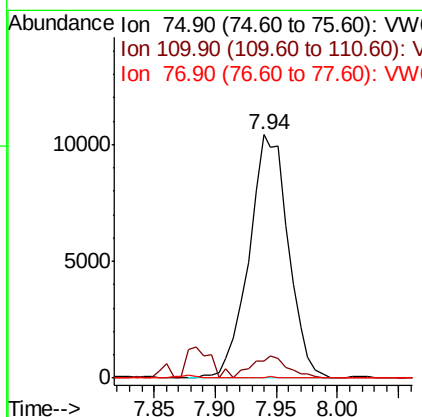
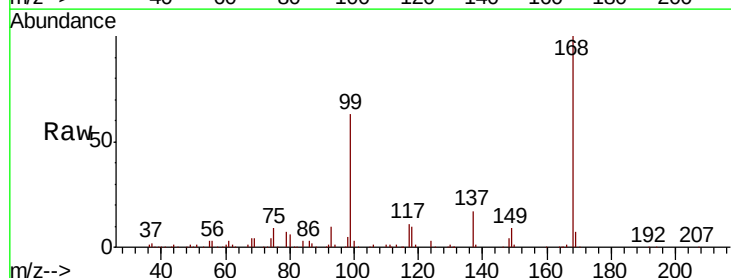
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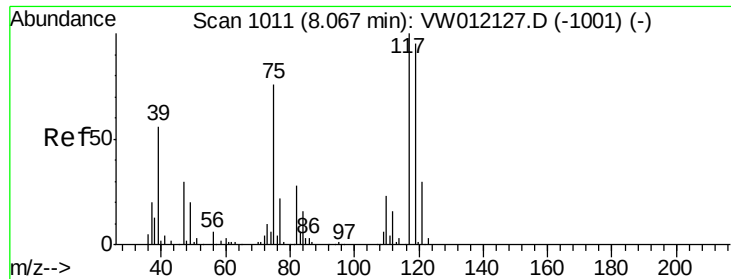
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.4	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.832 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619

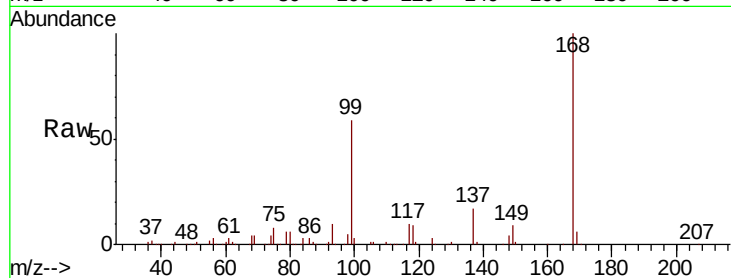
Tgt Ion:117 Resp: 28054

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

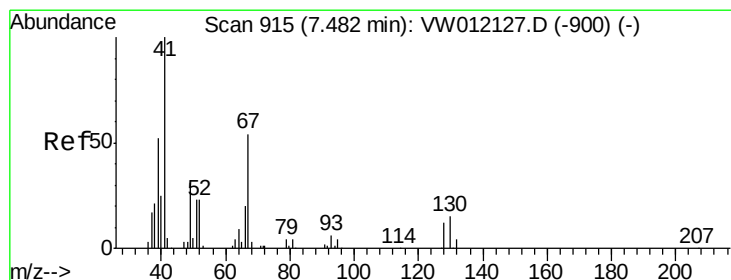
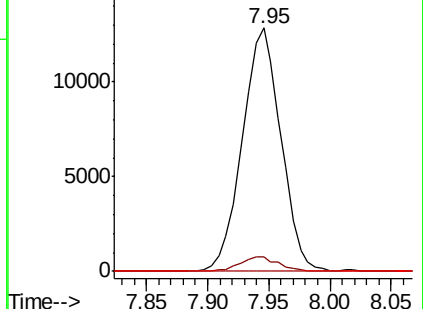
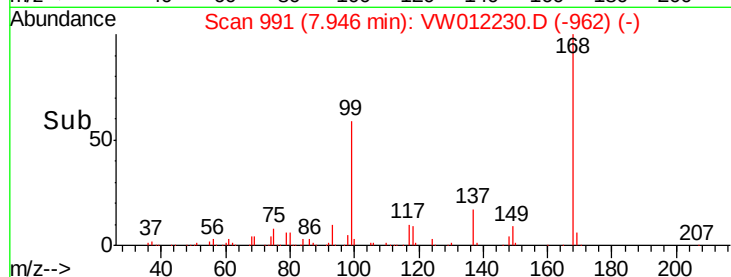
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.517 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Tgt Ion: 41 Resp: 3846

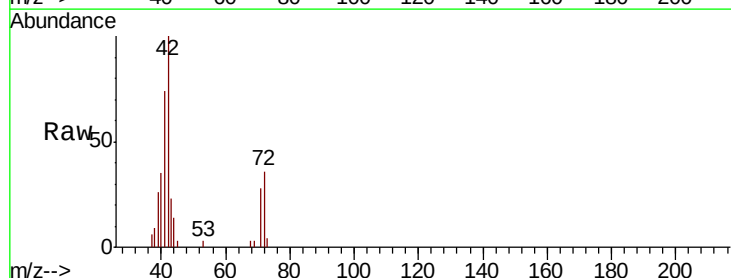
Ion Ratio Lower Upper

41 100

39 50.7 45.8 68.8

67 0.6 46.2 69.4#

52 0.0 21.0 31.6#

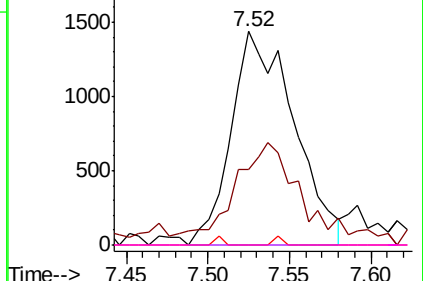
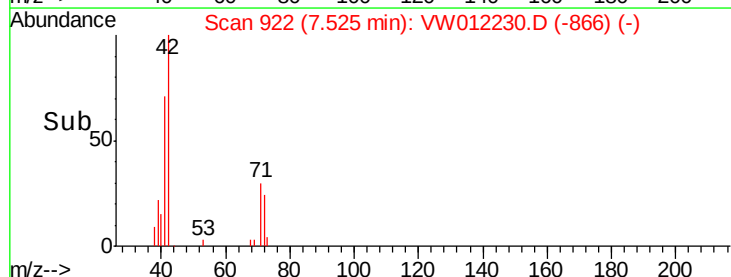


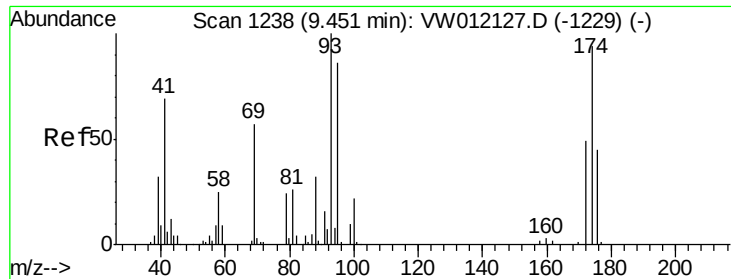
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 1.095 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.12 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619

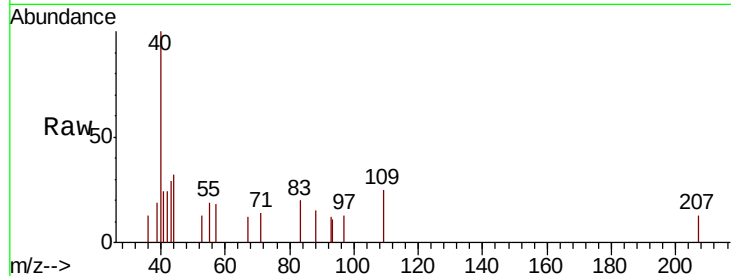
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 534.6 32.9 49.3#

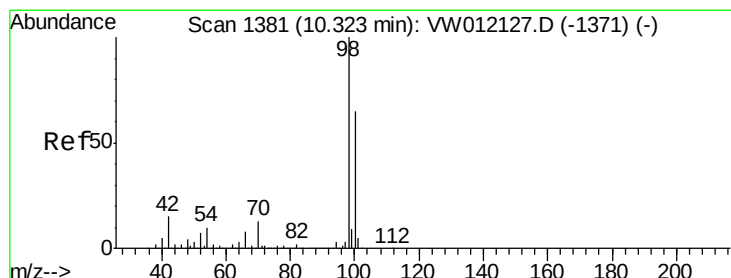
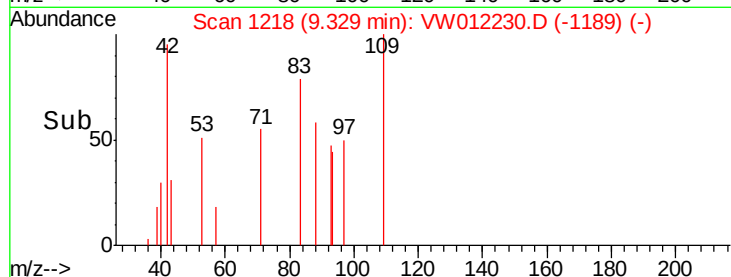
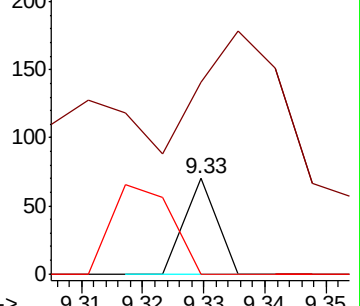
58 173.1 71.0 106.4#



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: 50.038 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012230.D

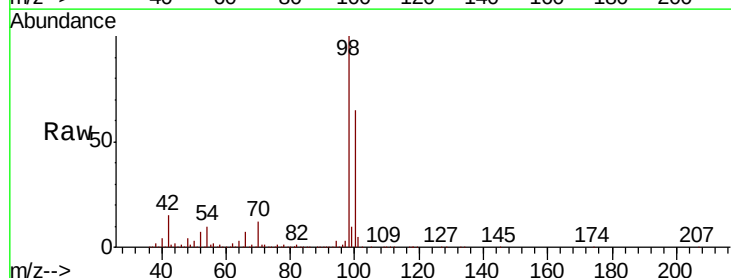
Acq: 28 Aug 2019 03:16

Tgt Ion: 98 Resp: 556004

Ion Ratio Lower Upper

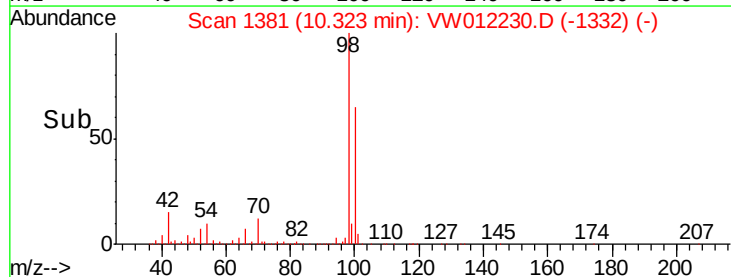
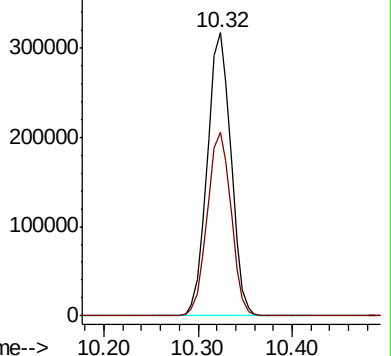
98 100

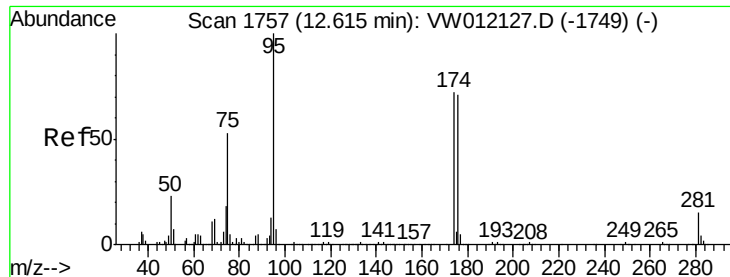
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.010 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619

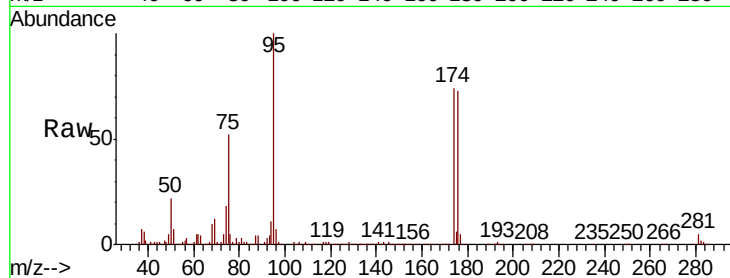
Tgt Ion: 95 Resp: 160629

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.8

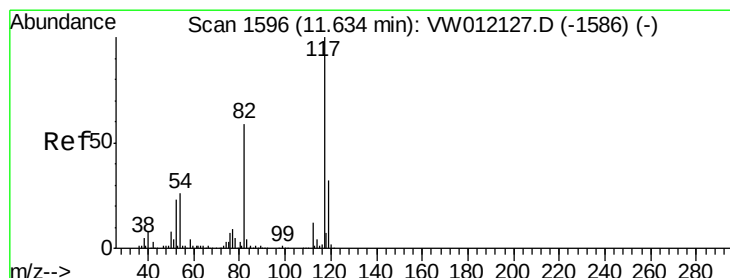
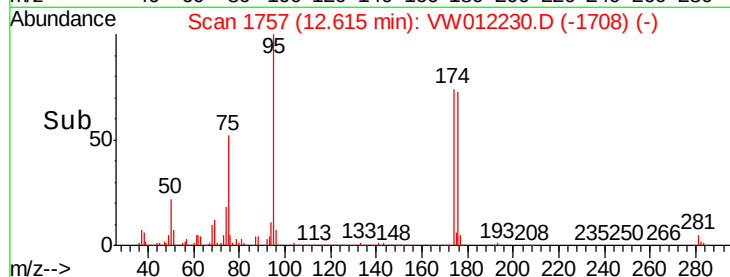
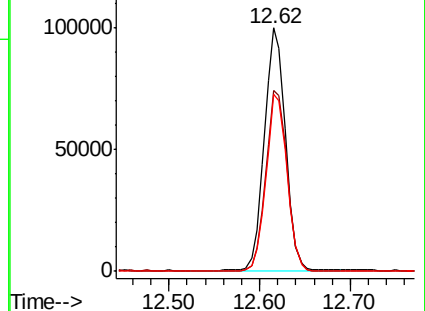
176 72.4 0.0 148.6



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: VW012230.D

Acq: 28 Aug 2019 03:16

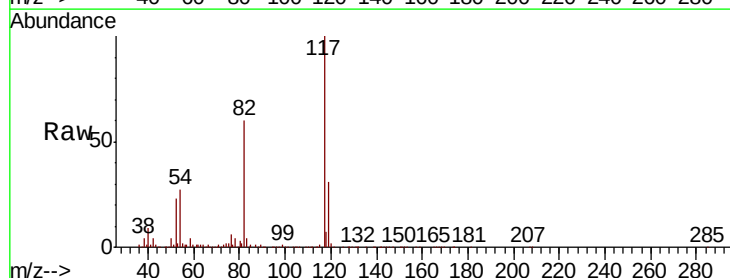
Tgt Ion: 117 Resp: 355880

Ion Ratio Lower Upper

117 100

82 60.2 47.4 71.2

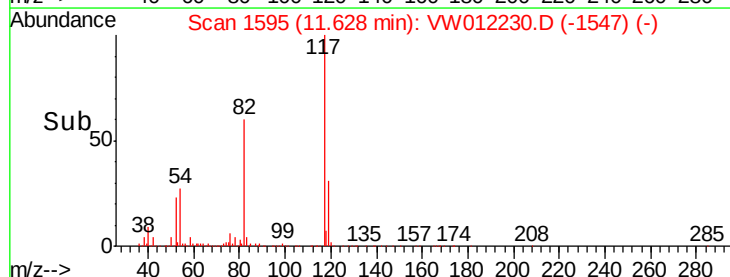
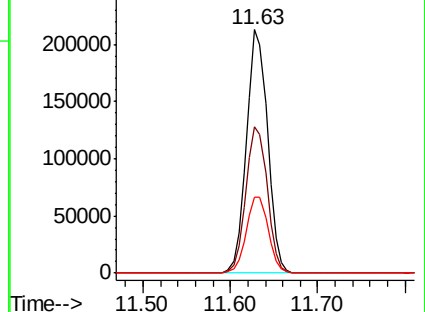
119 31.2 25.4 38.2

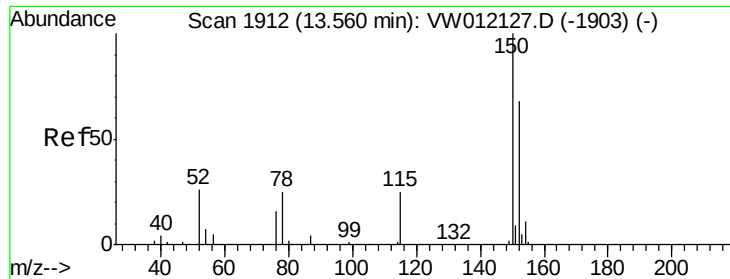


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

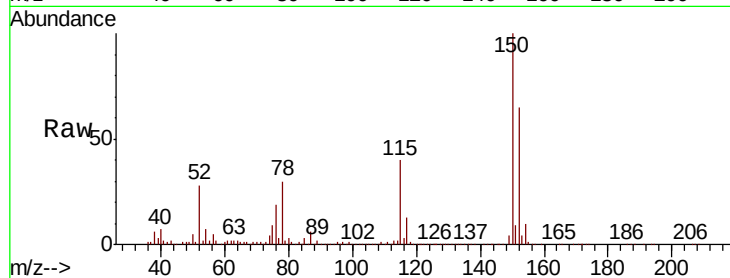




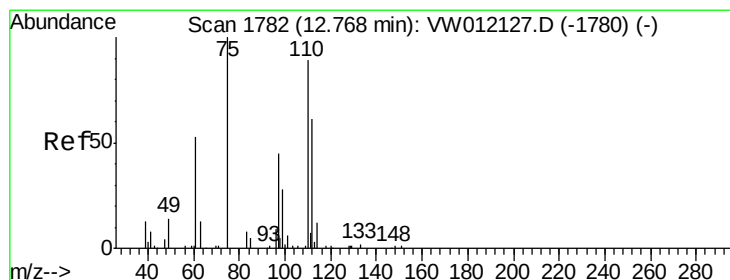
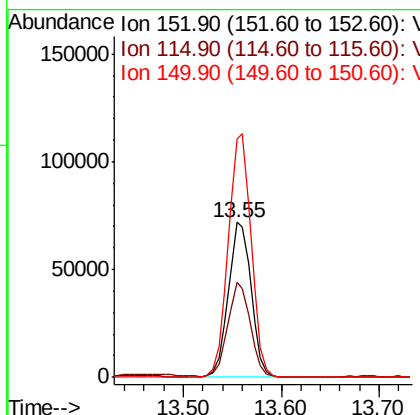
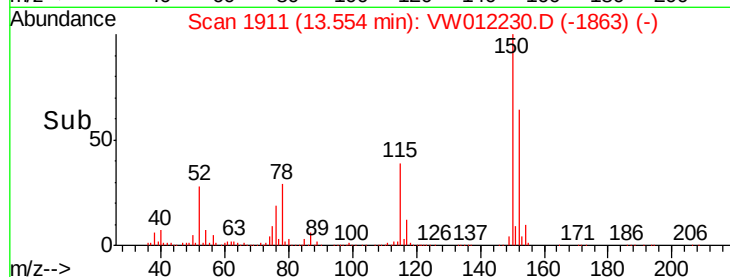
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

Instrument :
 MSVOA_W
 ClientSampleId :
 S400-K1-1.0-1.5-082619

Tgt Ion:152 Resp: 116898
 Ion Ratio Lower Upper
 152 100
 115 59.4 30.1 90.3
 150 156.7 0.0 345.8

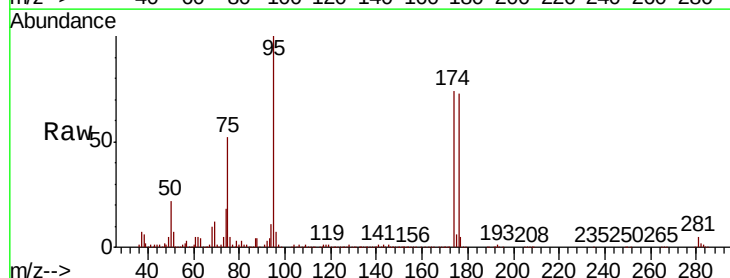


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

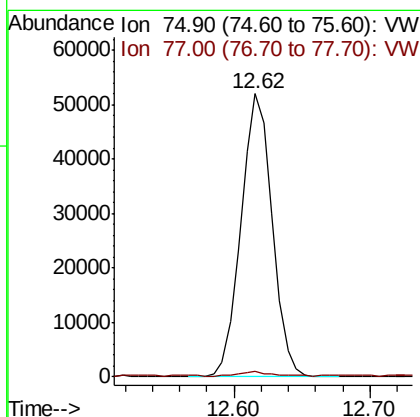
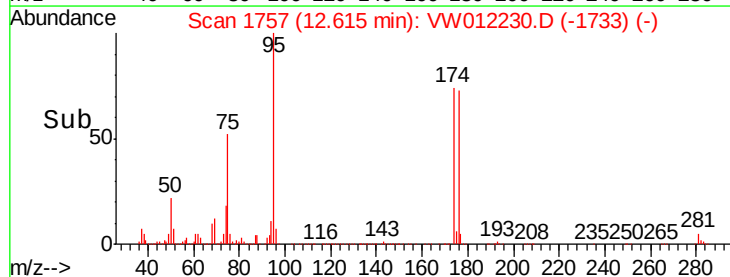


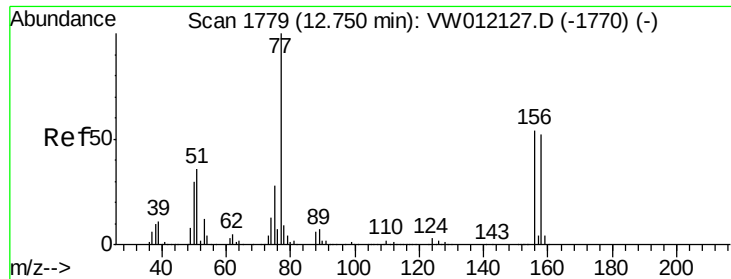
#76
 1,2,3-Trichloropropane
 Concen: 73.241 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012230.D
 Acq: 28 Aug 2019 03:16

Tgt Ion: 75 Resp: 83385
 Ion Ratio Lower Upper
 75 100
 77 1.4 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: 19.532 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619

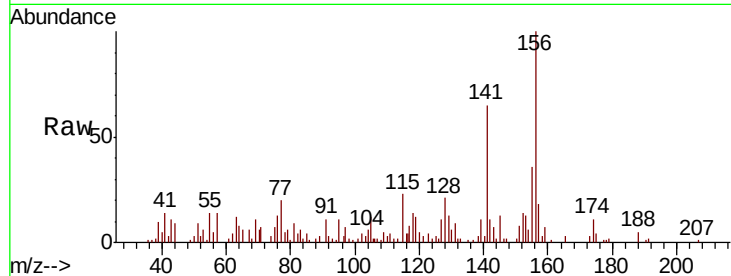
Tgt Ion: 156 Resp: 37012

Ion Ratio Lower Upper

156 100

77 0.0 107.3 321.8#

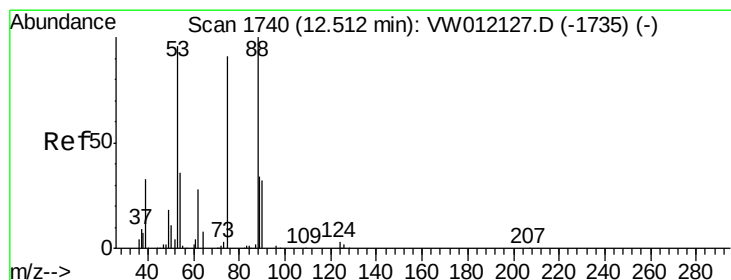
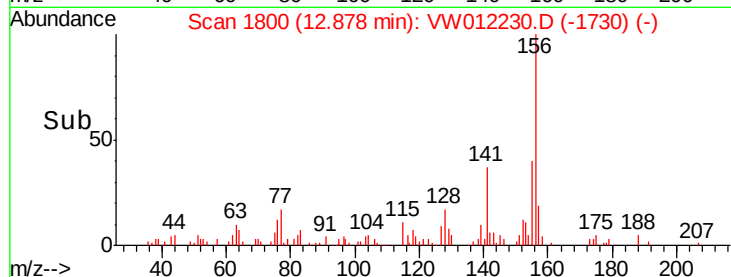
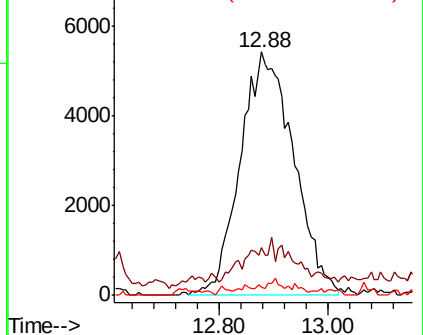
158 0.0 49.0 147.0#



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: 160.583 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012230.D

Acq: 28 Aug 2019 03:16

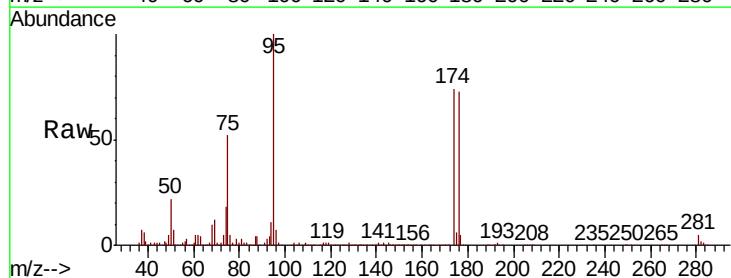
Tgt Ion: 75 Resp: 83385

Ion Ratio Lower Upper

75 100

53 0.6 89.4 134.0#

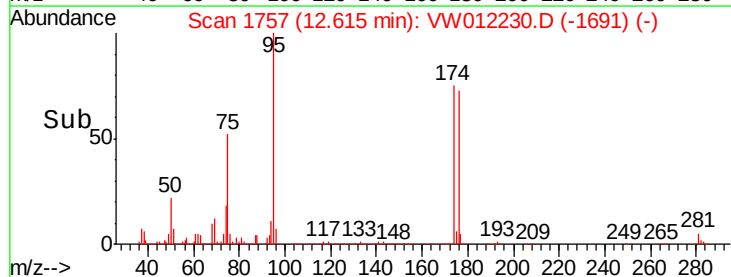
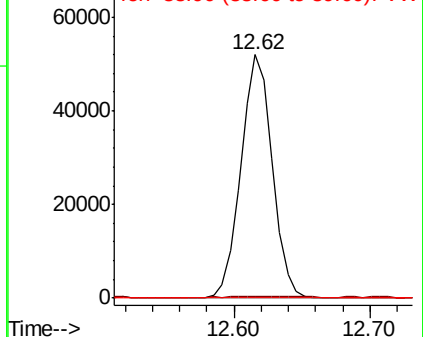
89 0.1 34.5 51.7#

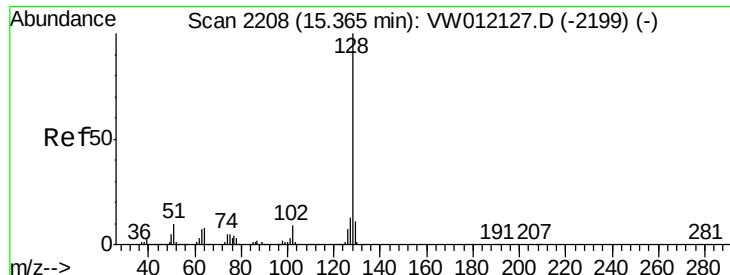


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.464 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012230.D

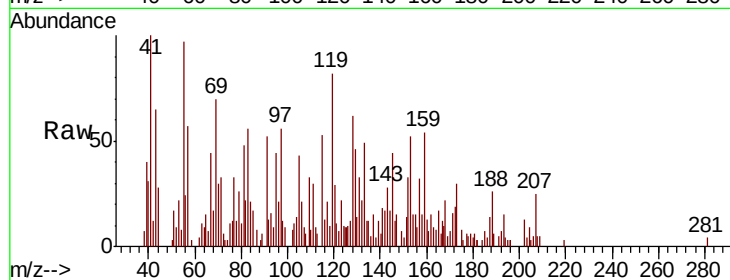
Acq: 28 Aug 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

S400-K1-1.0-1.5-082619



Tgt Ion:128 Resp: 691

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 77.9 8.7 13.1#

