

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011226.D
 Acq On : 11 Jul 2019 13:50
 Operator : SY/VA
 Sample : K3757-02
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC006-SD-190710

Quant Time: Jul 12 08:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	165252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	282943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	233314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96721	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	107675	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.88	113	84461	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.32	98	349057	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.62	95	110564	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

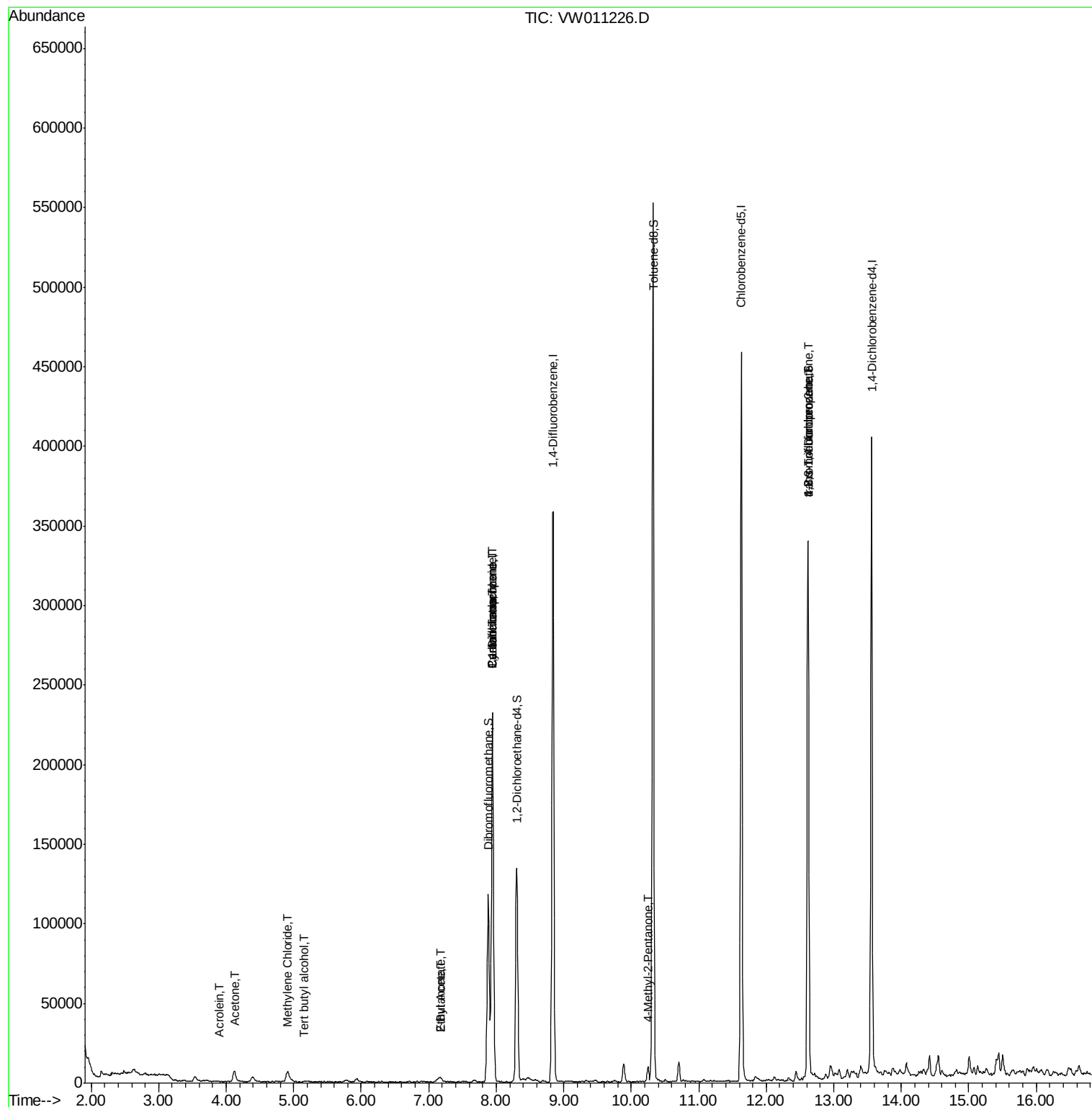
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	277	1.802	ug/l #	70
13) Acrolein	3.90	56	133	1.086	ug/l	91
16) Acetone	4.12	43	13974	27.969	ug/l	97
18) Methyl Acetate	4.65	43	140	Below Cal	#	57
20) Methylene Chloride	4.91	84	4878	2.475	ug/l	98
25) 2-Butanone	7.18	43	4560	5.814	ug/l	99
31) Cyclohexane	7.95	56	4757	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	14888	4.941	ug/l #	51
37) Ethyl Acetate	7.18	43	4560	2.519	ug/l #	72
38) Carbon Tetrachloride	7.95	117	17357	6.795	ug/l #	16
51) 4-Methyl-2-Pentanone	10.24	43	1789	1.002	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	59207	52.971	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59207	119.809	ug/l #	6

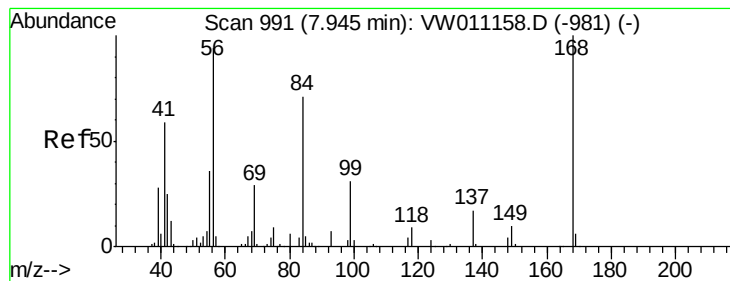
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

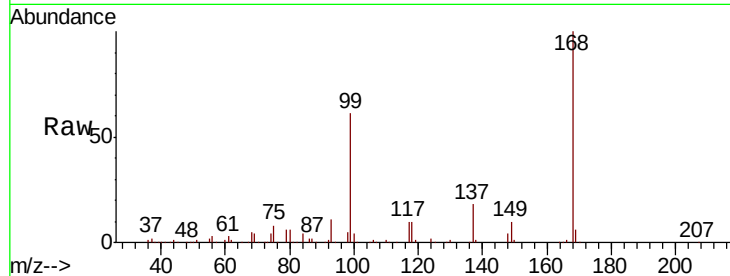
KY030LC006-SD-190710

Tot Ion:168 Resp: 165252

Ion Ratio Lower Upper

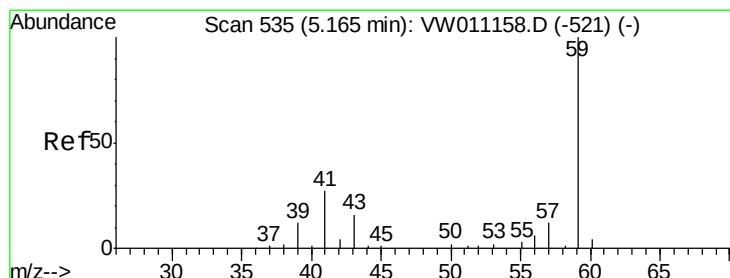
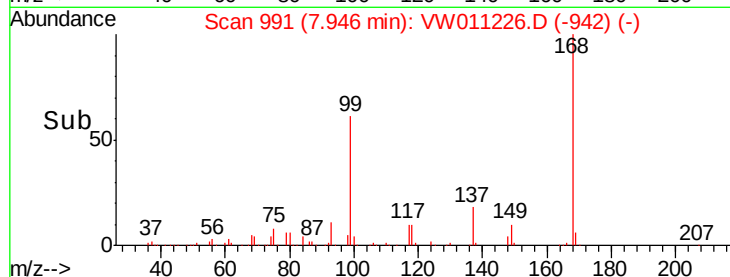
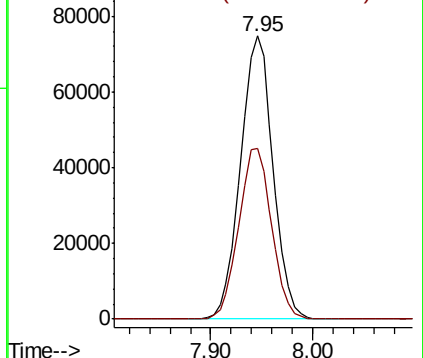
168 100

99 60.5 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.802 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011226.D

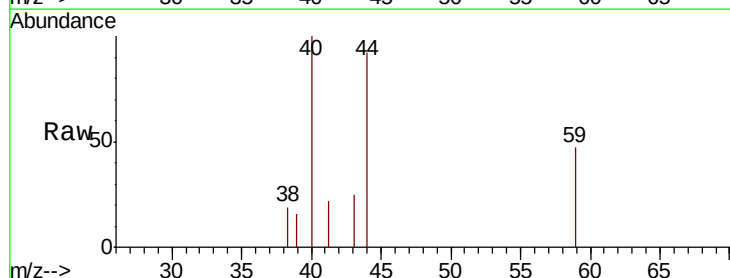
Acq: 11 Jul 2019 13:50

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

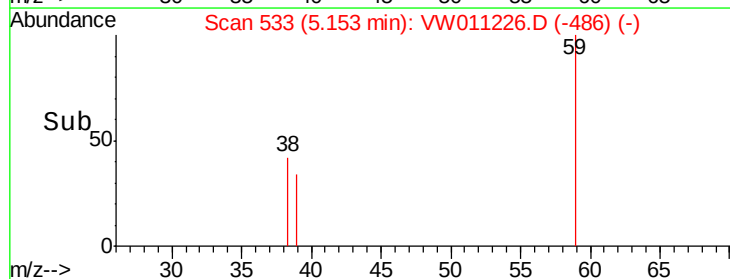
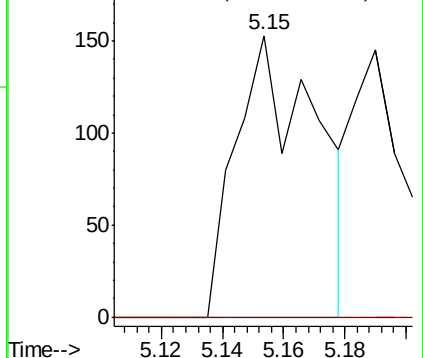
59 100

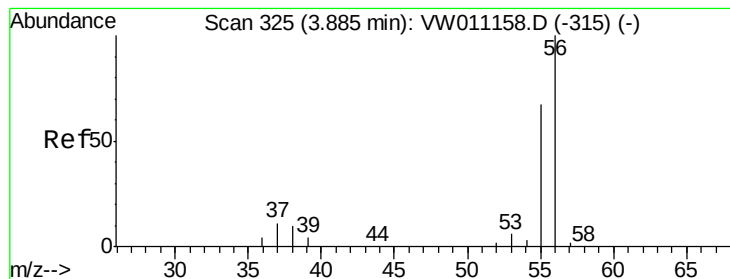
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.086 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

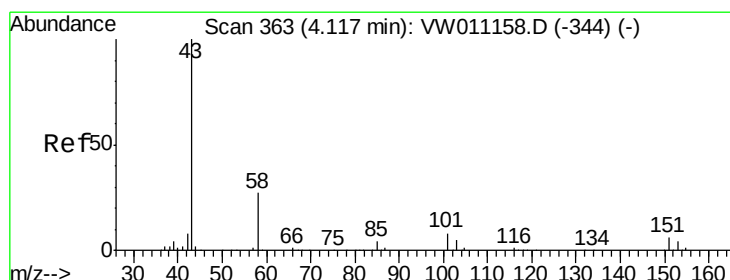
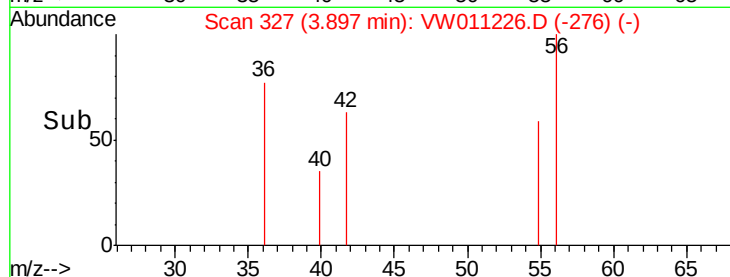
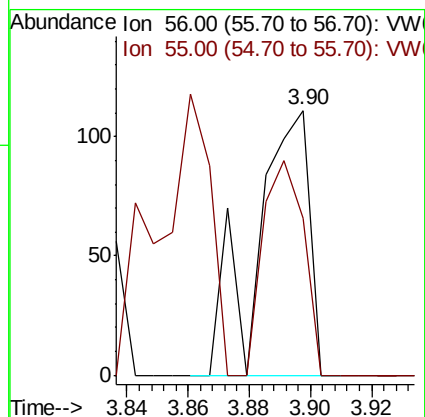
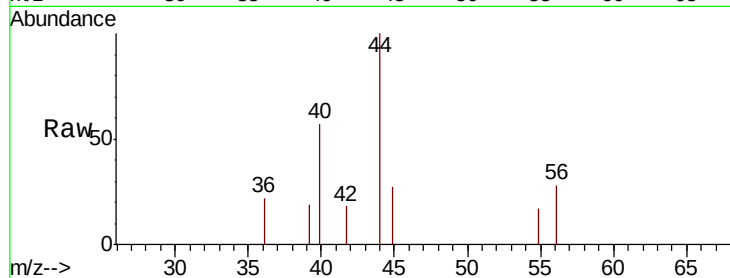
KY030LC006-SD-190710

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 63.2 56.4 84.6



#16

Acetone

Concen: 27.969 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011226.D

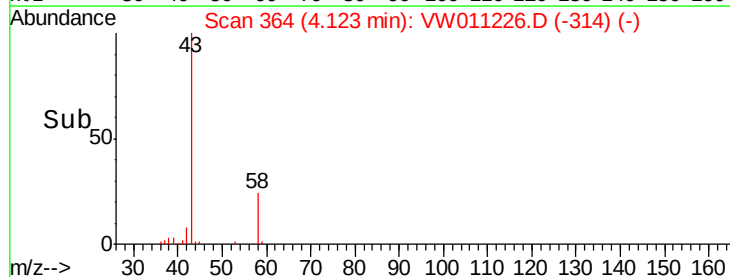
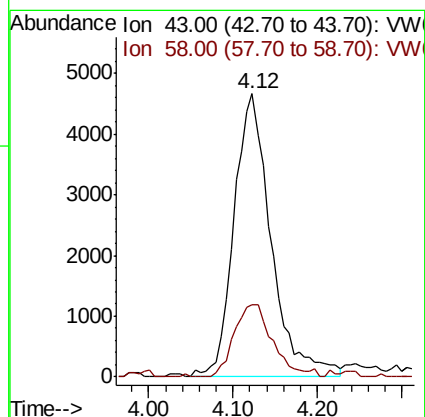
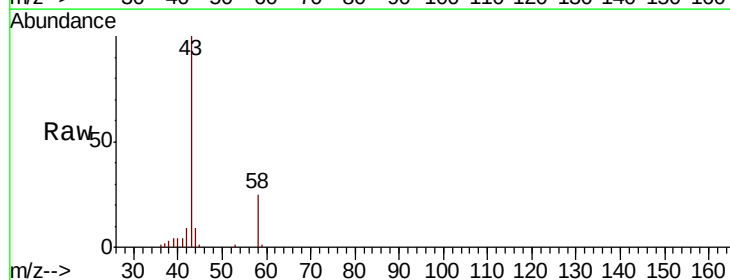
Acq: 11 Jul 2019 13:50

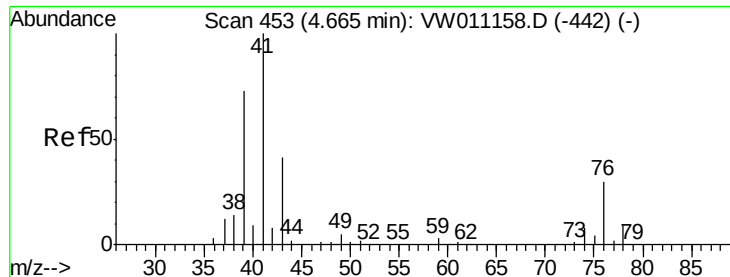
Tgt Ion: 43 Resp: 13974

Ion Ratio Lower Upper

43 100

58 25.4 21.8 32.6

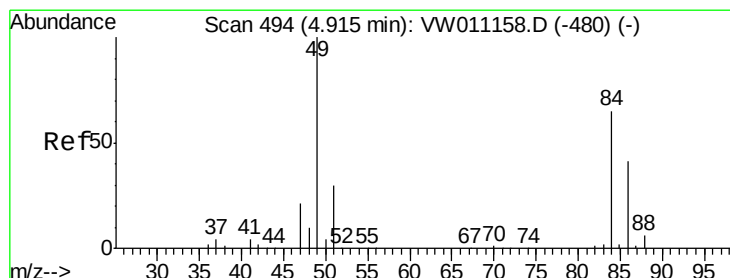
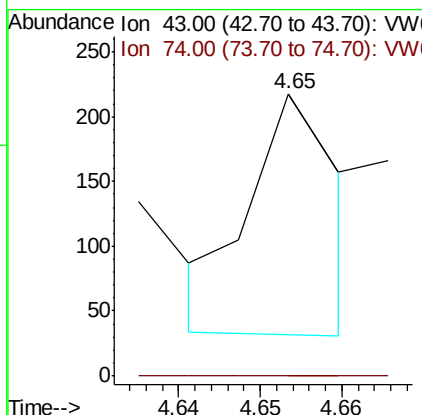
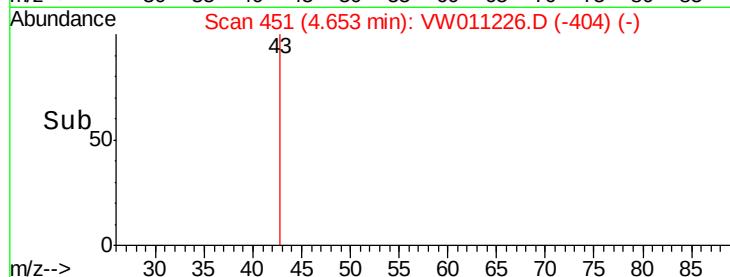
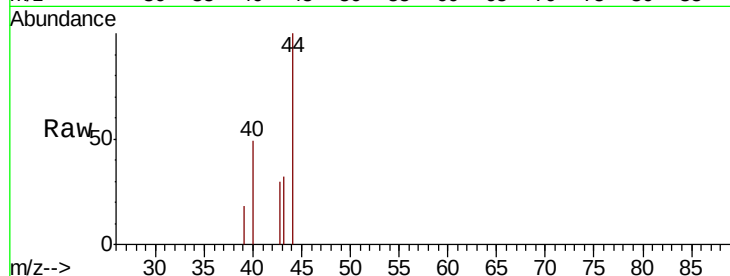




#18
Methvl Acetate
Concen: Below Cal
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

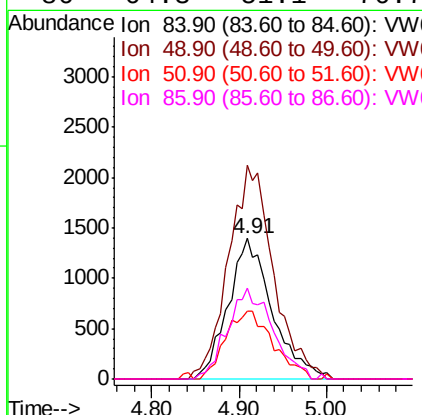
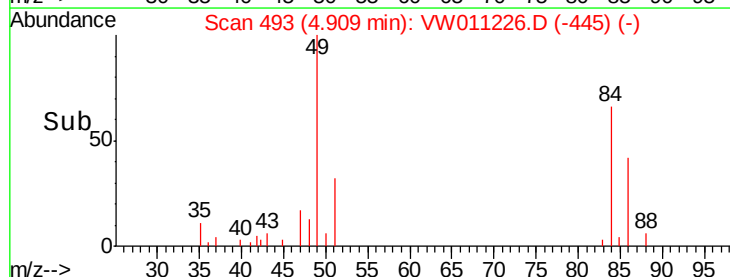
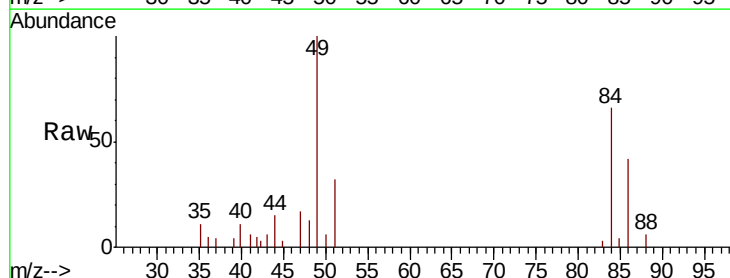
Instrument :
MSVOA_W
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KY030LC006-SD-190710

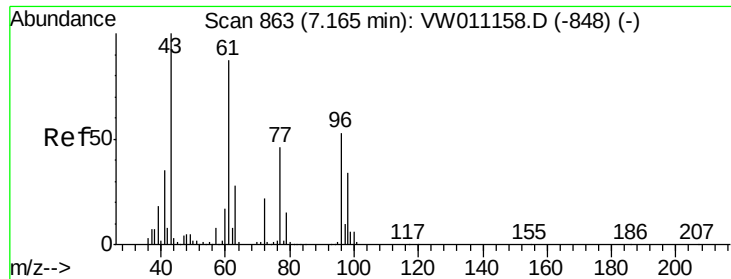
Tot Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 2.475 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

Tgt Ion: 84 Resp: 4878
Ion Ratio Lower Upper
84 100
49 151.7 123.8 185.6
51 48.0 37.4 56.2
86 64.3 51.1 76.7

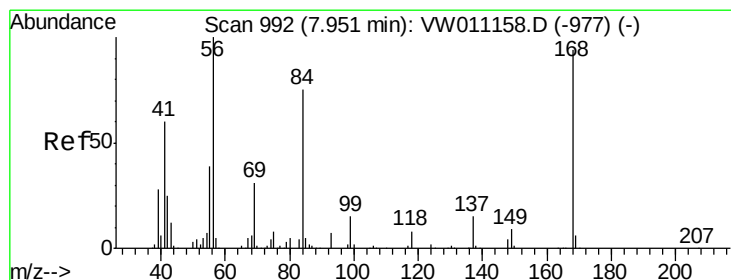
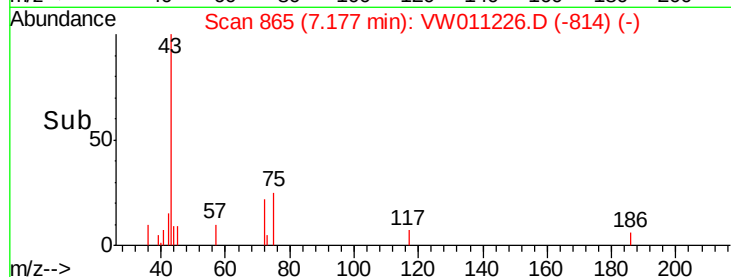
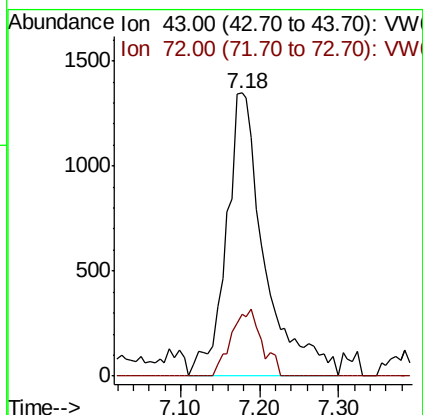
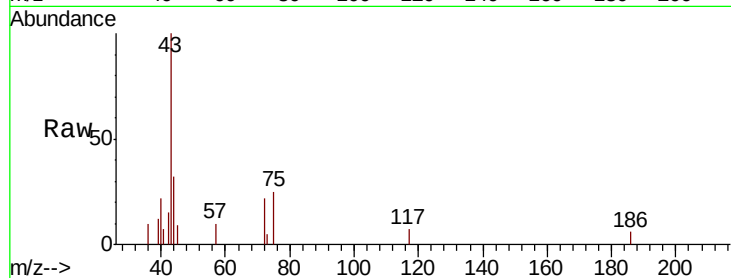




#25
2-Butanone
Concen: 5.814 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

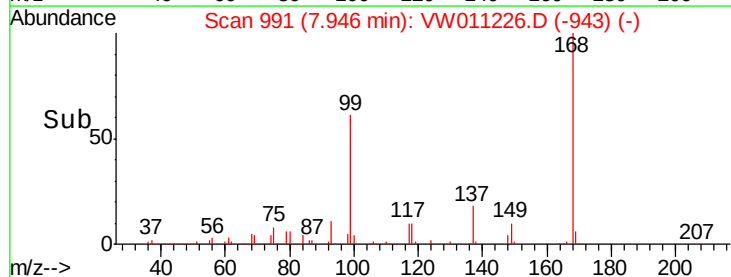
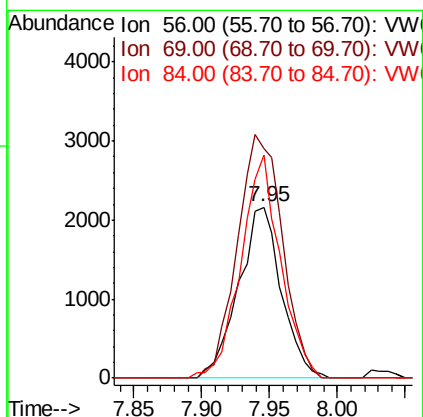
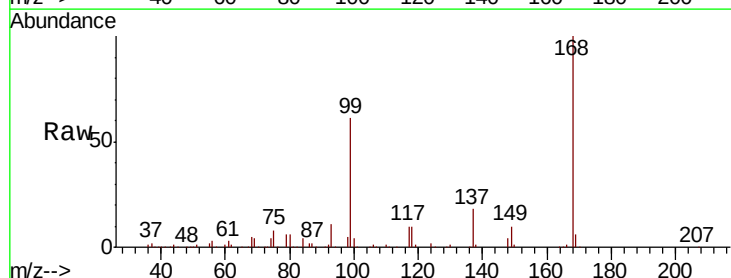
Instrument :
MSVOA_W
ClientSampleId :
KY030LC006-SD-190710

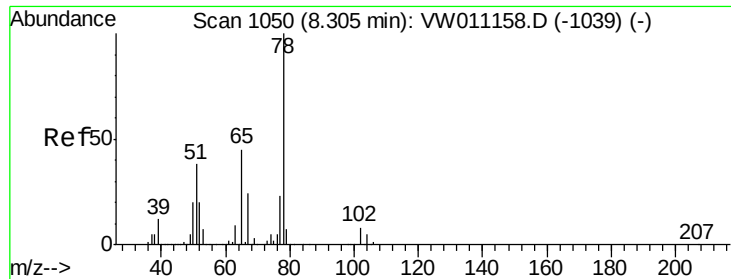
Tot Ion: 43 Resp: 4560
Ion Ratio Lower Upper
43 100
72 21.8 17.6 26.4



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

Tgt Ion: 56 Resp: 4757
Ion Ratio Lower Upper
56 100
69 134.2 24.6 36.8#
84 130.5 60.1 90.1#

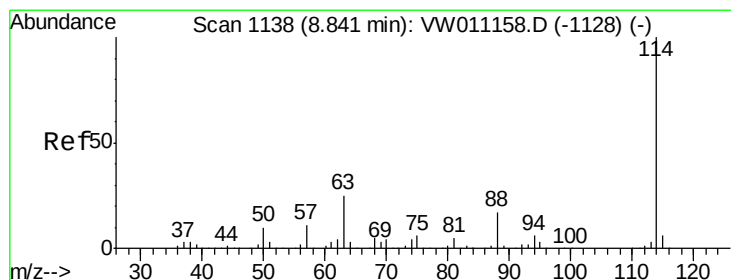
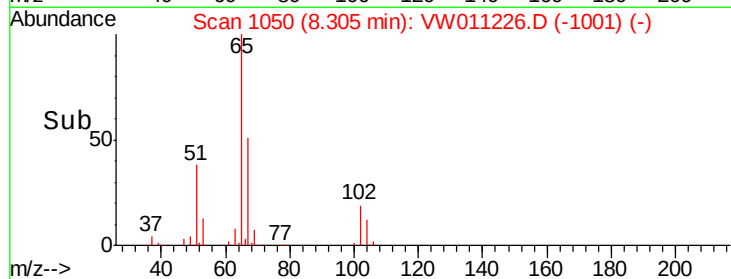
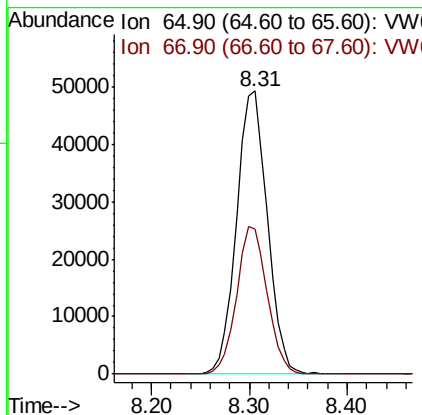
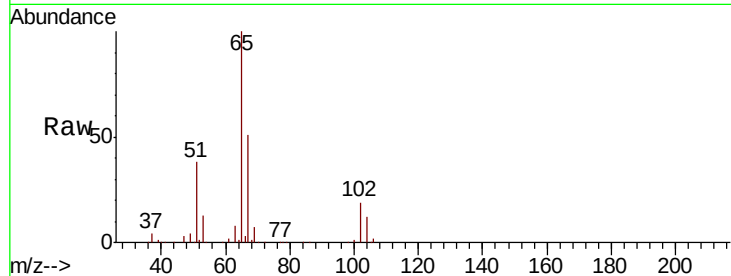




#33
 1,2-Dichloroethane-d4
 Concen: 51.855 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011226.D
 Acq: 11 Jul 2019 13:50

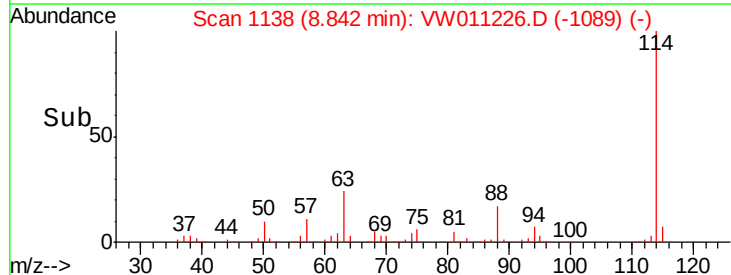
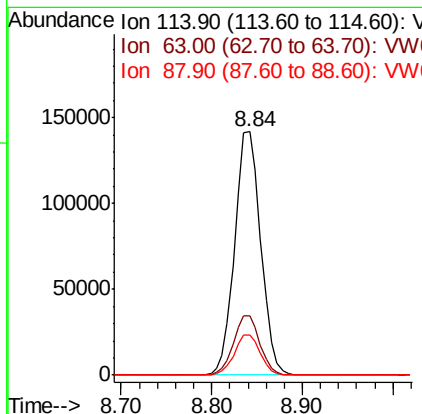
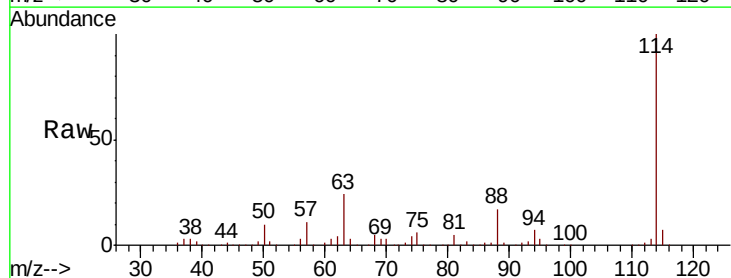
Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC006-SD-190710

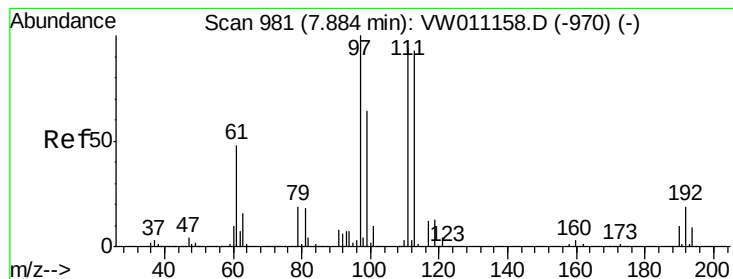
Tot Ion: 65 Resp: 107675
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011226.D
 Acq: 11 Jul 2019 13:50

Tgt Ion: 114 Resp: 282943
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.082 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC006-SD-190710

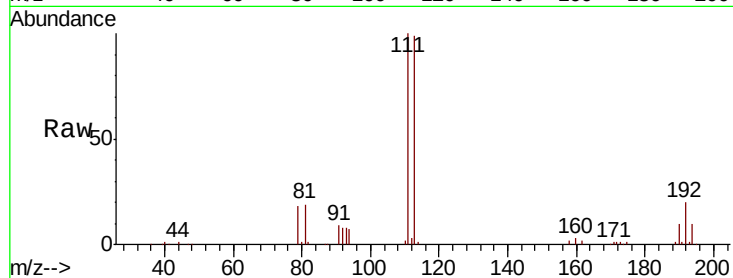
Tot Ion:113 Resp: 84461

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 19.8 15.8 23.8

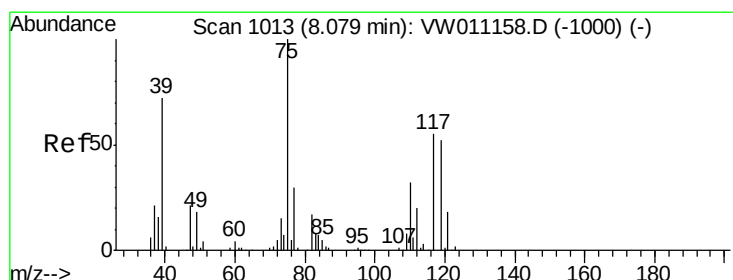
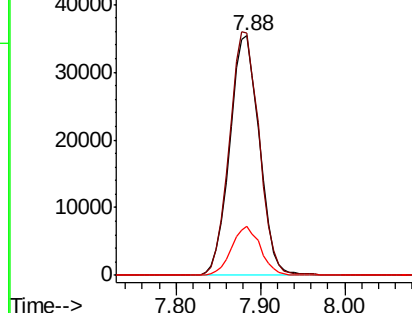
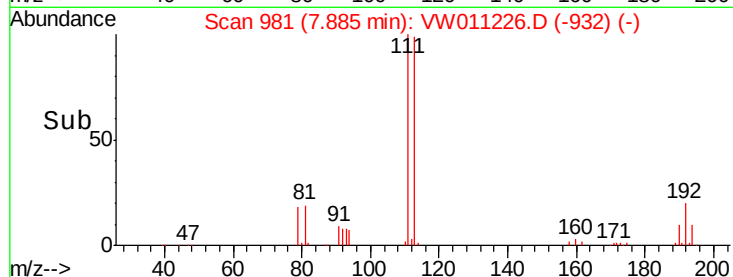


Abundance

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: 4.941 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

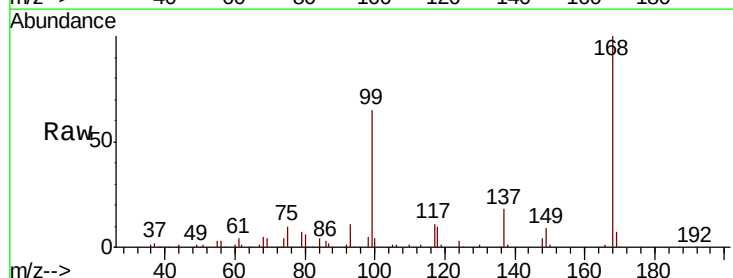
Tgt Ion: 75 Resp: 14888

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

77 0.0 24.6 36.8#

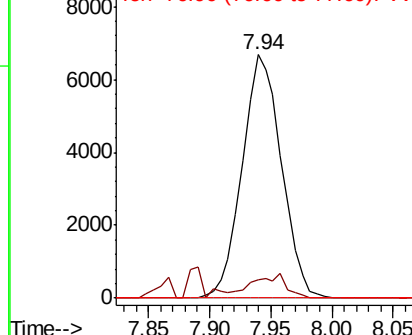
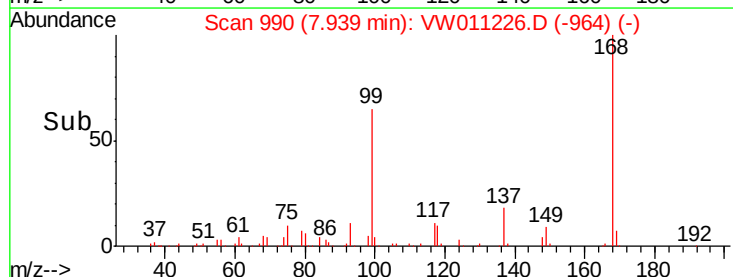


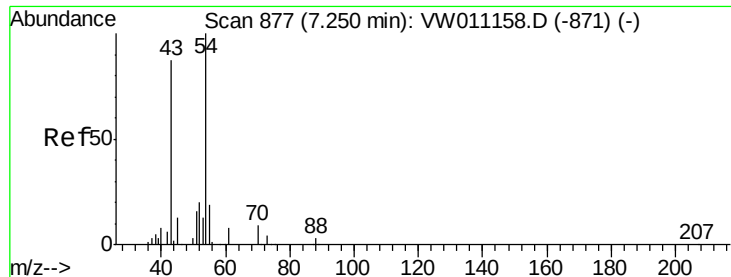
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

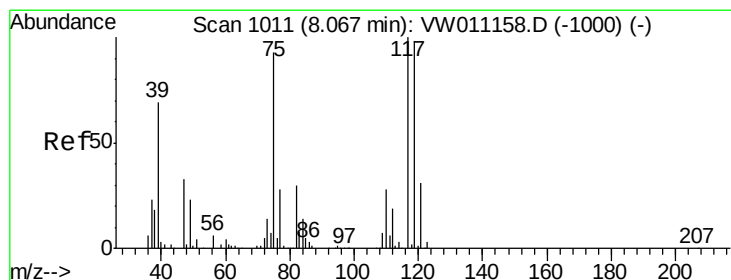
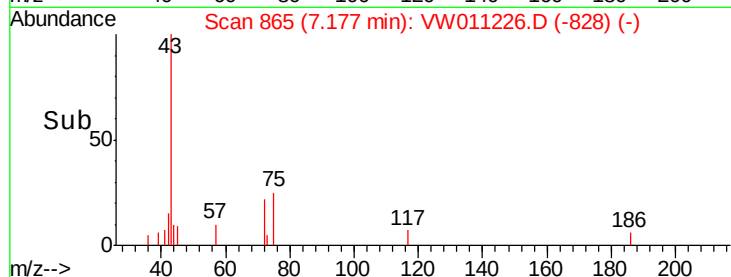
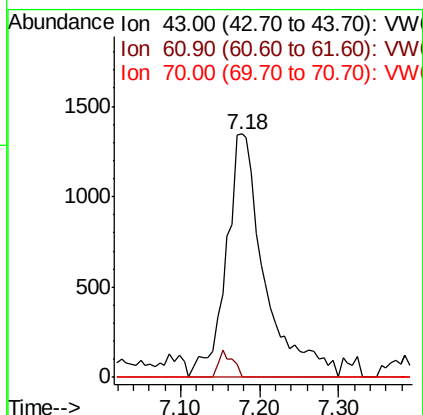
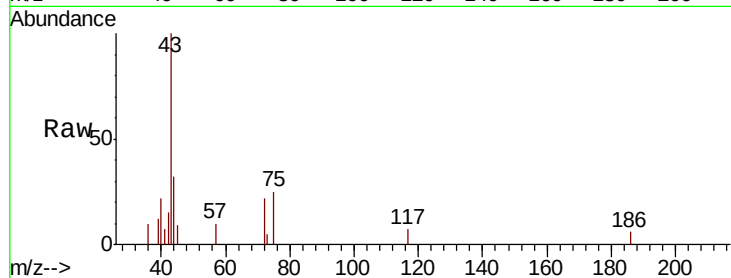




#37
Ethyl Acetate
Concen: 2.519 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

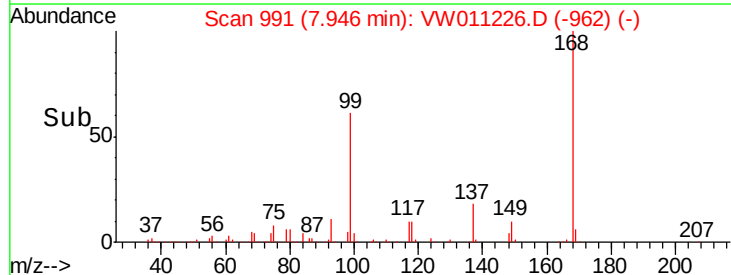
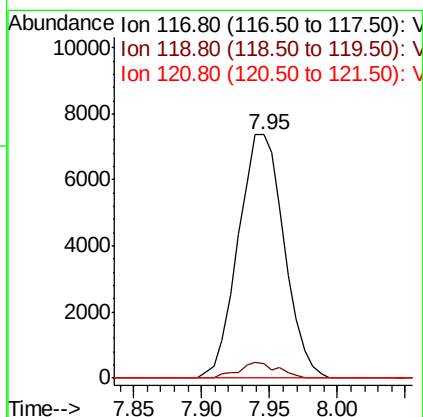
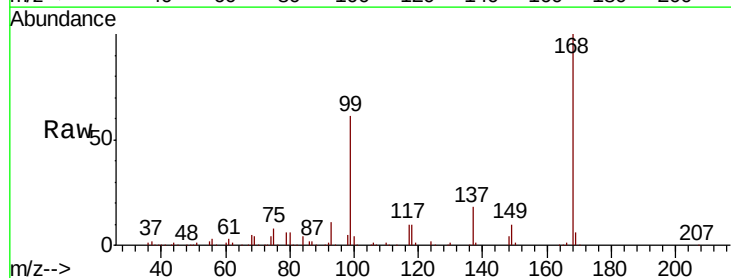
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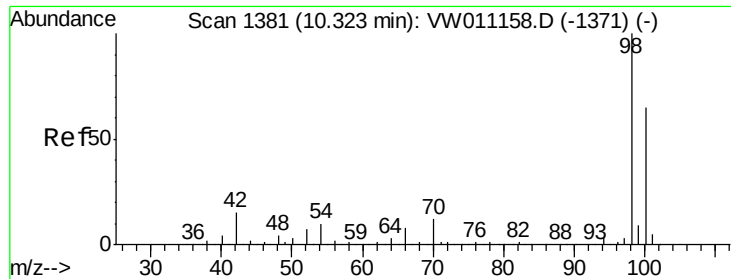
Tot Ion: 43 Resp: 4560
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.795 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

Tgt Ion: 117 Resp: 17357
Ion Ratio Lower Upper
117 100
119 6.0 78.1 117.1#
121 0.0 25.1 37.7#

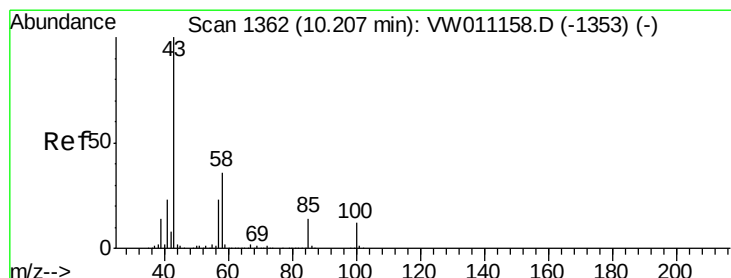
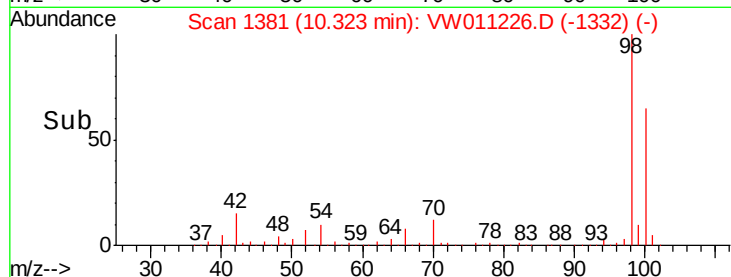
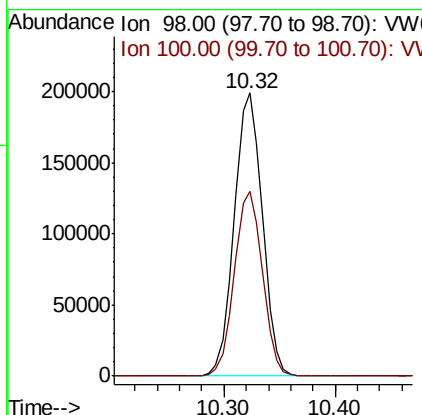
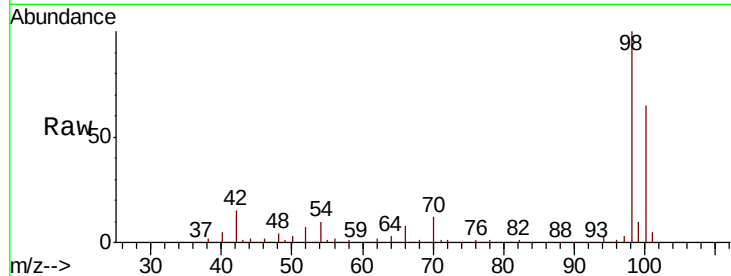




#50
Toluene-d8
Concen: 51.204 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

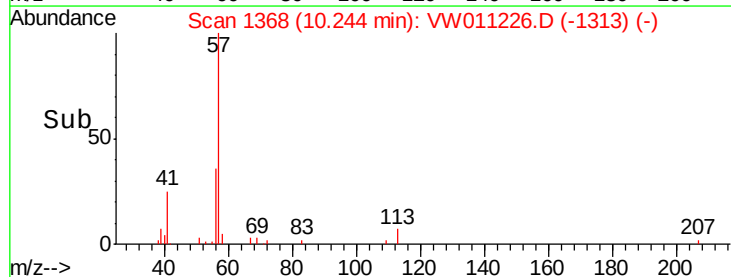
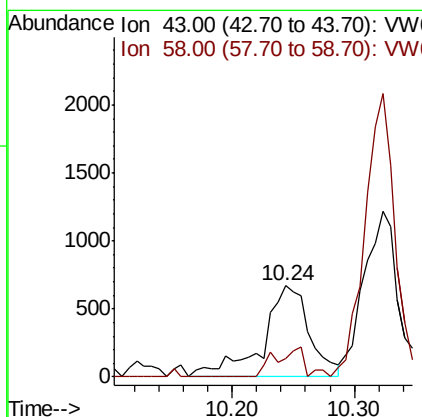
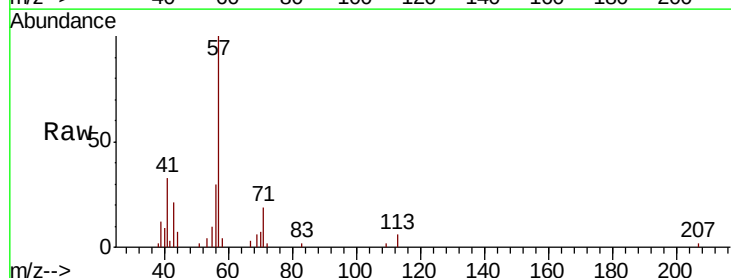
Instrument :
MSVOA_W
ClientSampleId :
KY030LC006-SD-190710

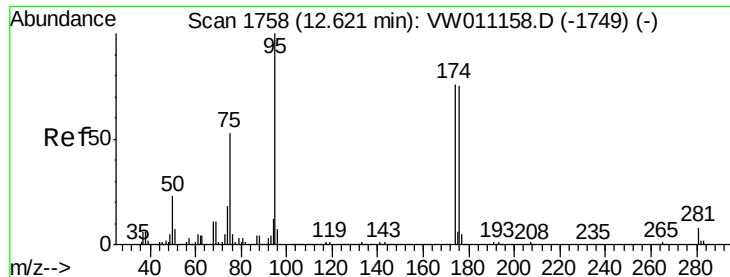
Tot Ion: 98 Resp: 349057
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.002 ug/l
RT: 10.24 min Scan# 1368
Delta R.T. 0.04 min
Lab File: VW011226.D
Acq: 11 Jul 2019 13:50

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
58 7.8 28.2 42.2#





#62

4-Bromofluorobenzene

Concen: 44.249 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC006-SD-190710

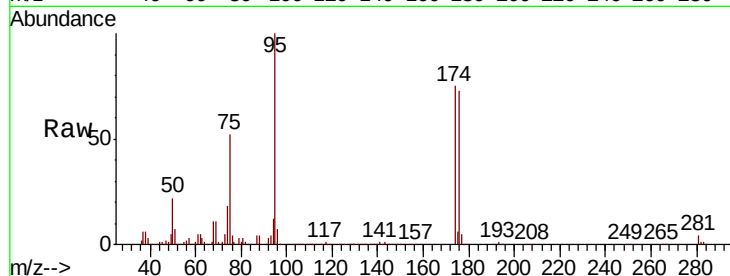
Tot Ion: 95 Resp: 110564

Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.6

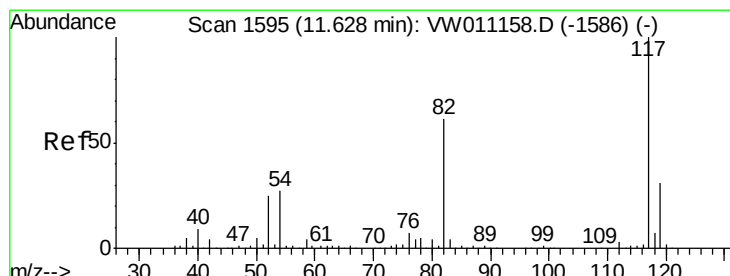
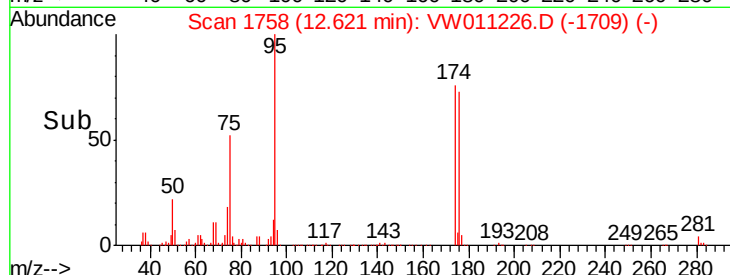
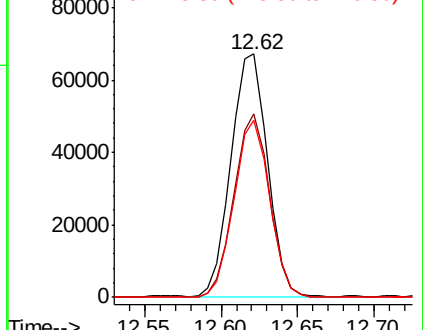
176 71.7 0.0 144.6



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. 0.00 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

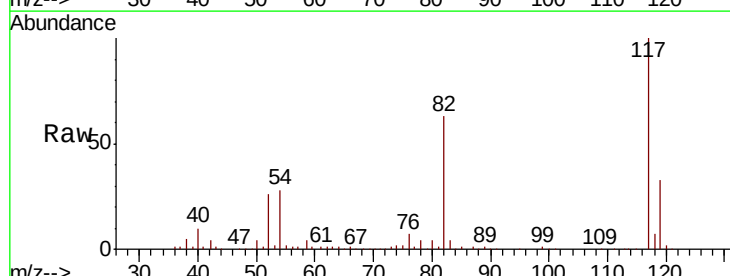
Tgt Ion: 117 Resp: 233314

Ion Ratio Lower Upper

117 100

82 62.6 48.9 73.3

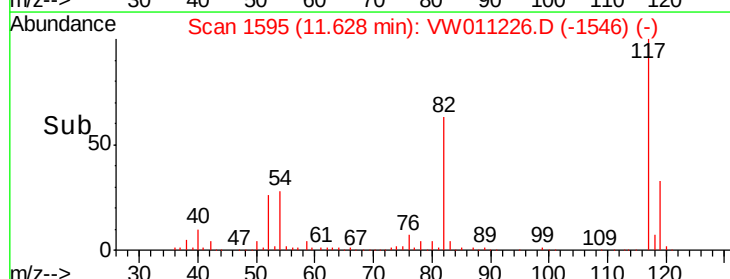
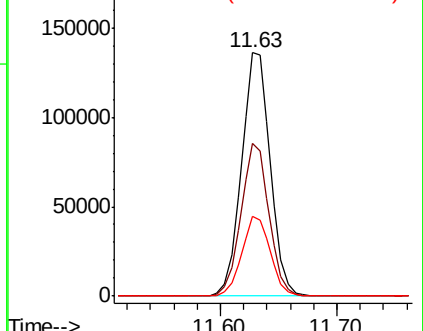
119 32.8 25.0 37.6

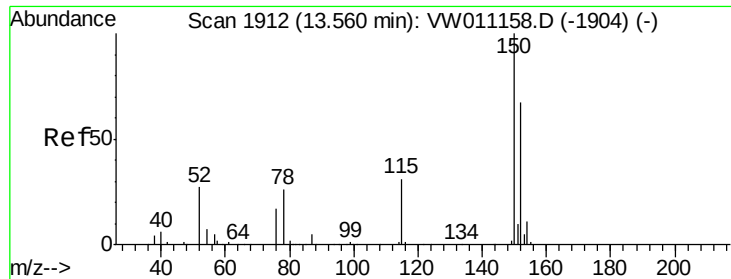


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC006-SD-190710

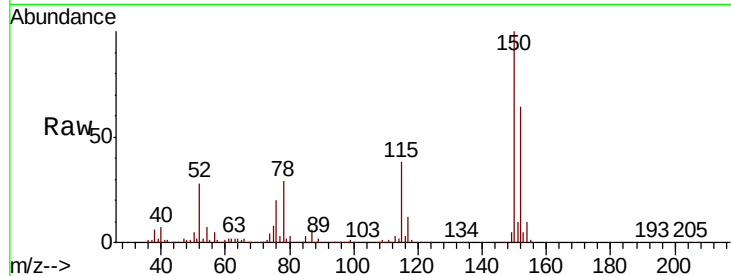
Tot Ion:152 Resp: 96721

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

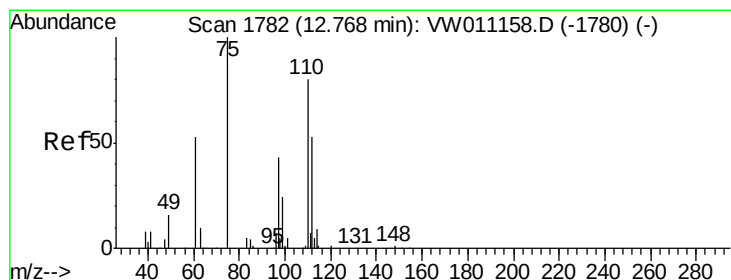
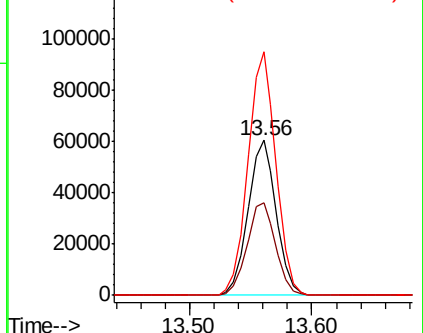
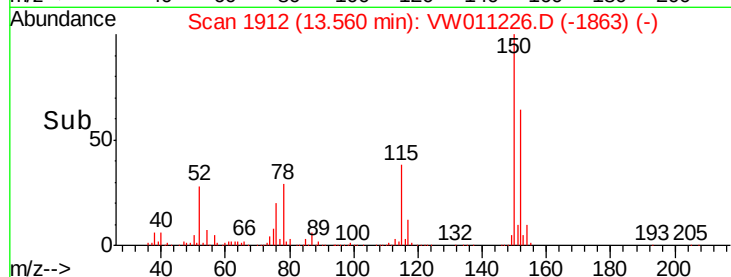
150 155.2 0.0 346.0



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: 52.971 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011226.D

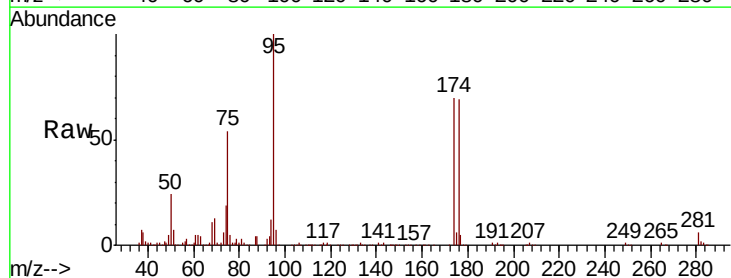
Acq: 11 Jul 2019 13:50

Tgt Ion: 75 Resp: 59207

Ion Ratio Lower Upper

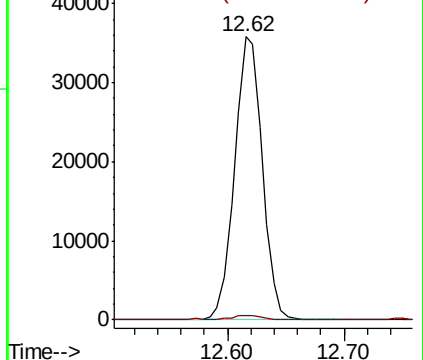
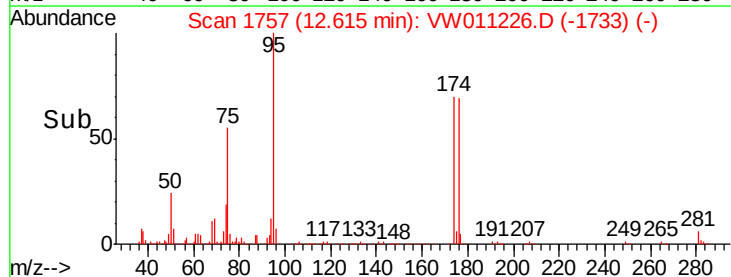
75 100

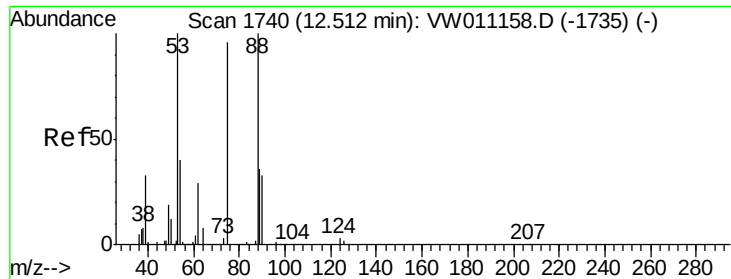
77 1.8 0.0 0.0#



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: 119.809 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011226.D

Acq: 11 Jul 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

KY030LC006-SD-190710

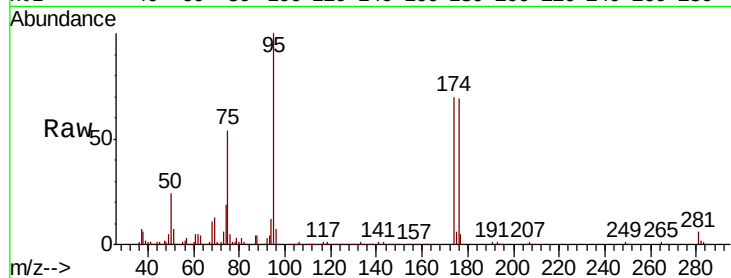
Tot Ion: 75 Resp: 59207

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



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

