

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011228.D
 Acq On : 11 Jul 2019 14:43
 Operator : SY/VA
 Sample : K3757-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY0300F002-SD-190710

Quant Time: Jul 12 08:32:11 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	176810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	241983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88221	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	134978	60.75	ug/l	0.00
Spiked Amount			Recovery	=	121.50%	
35) Dibromofluoromethane	7.88	113	98220	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	10.32	98	366840	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.62	95	113199	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

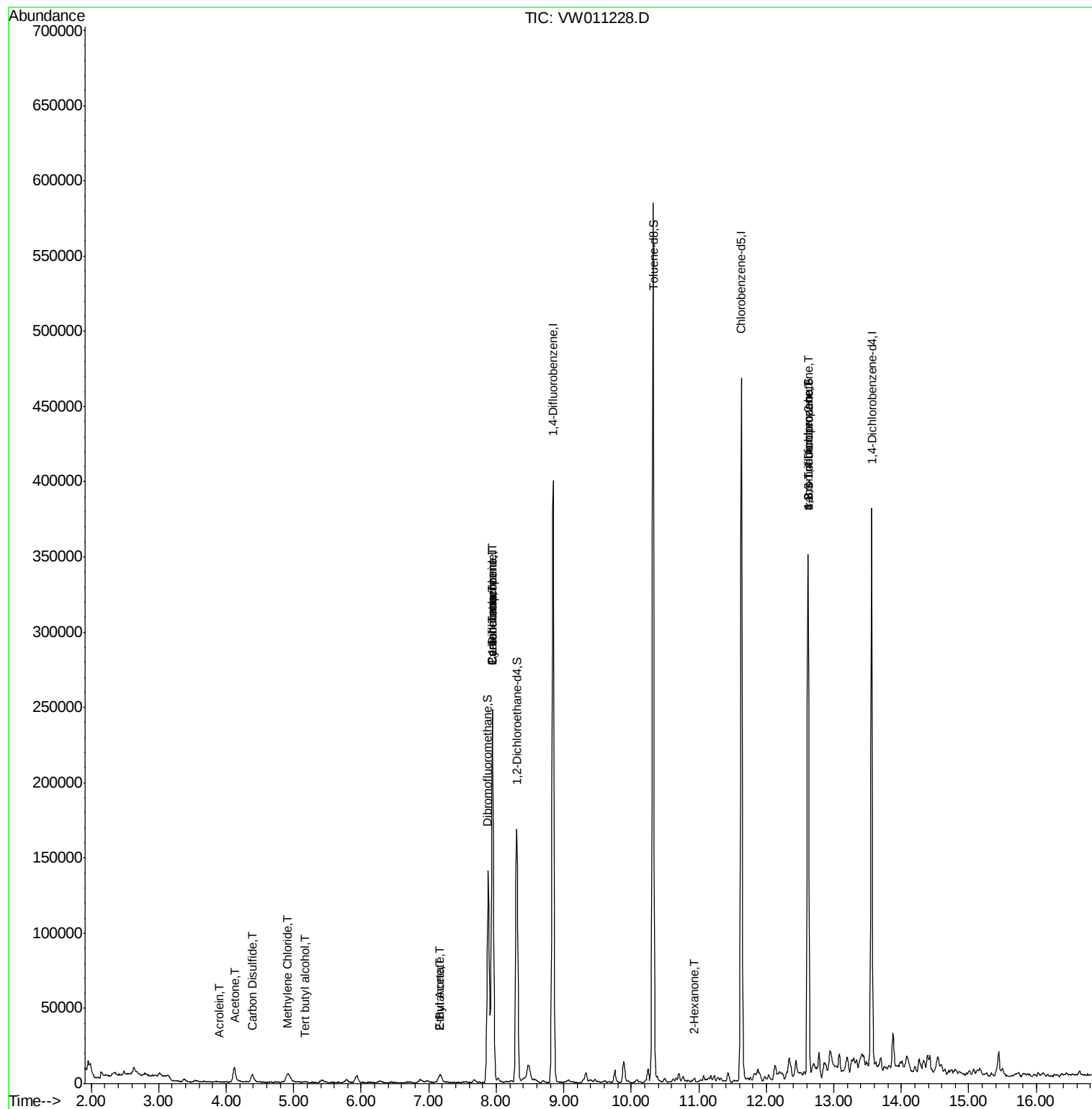
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	236	1.435	ug/l	98
13) Acrolein	3.89	56	277	2.115	ug/l #	14
16) Acetone	4.12	43	20356	38.080	ug/l	95
17) Carbon Disulfide	4.38	76	6526	1.096	ug/l #	94
18) Methyl Acetate	4.67	43	472	Below Cal	#	87
20) Methylene Chloride	4.91	84	4140	1.963	ug/l #	94
25) 2-Butanone	7.17	43	7181	8.558	ug/l #	88
31) Cyclohexane	7.95	56	7181	1.669	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	15460	4.687	ug/l #	51
37) Ethyl Acetate	7.17	43	7181	3.624	ug/l #	72
38) Carbon Tetrachloride	7.95	117	18190	6.505	ug/l #	16
59) 2-Hexanone	10.93	43	1523	1.124	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	60317	59.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60317	133.815	ug/l #	6

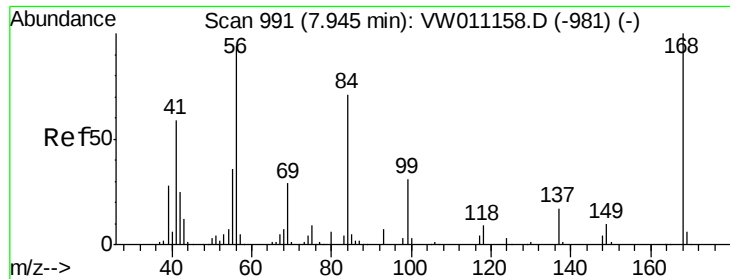
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

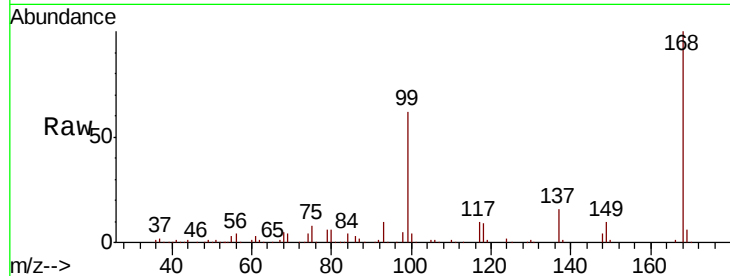
KY0300F002-SD-190710

Tot Ion:168 Resp: 176810

Ion Ratio Lower Upper

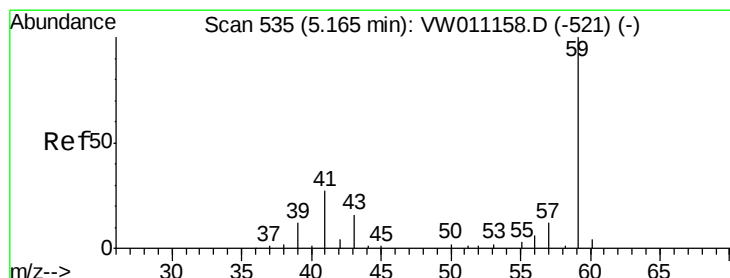
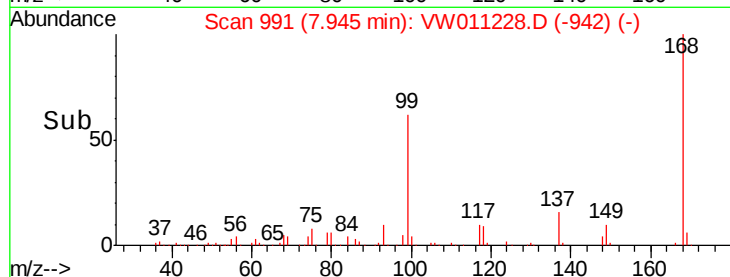
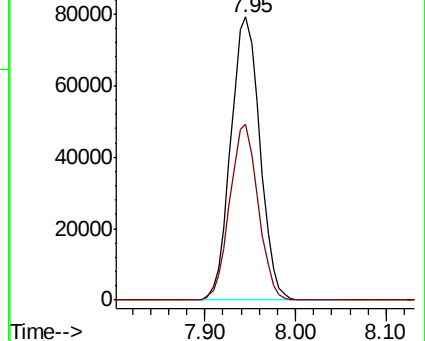
168 100

99 62.3 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: 1.435 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011228.D

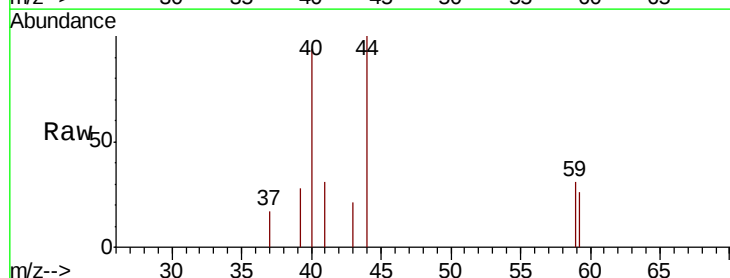
Acq: 11 Jul 2019 14:43

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

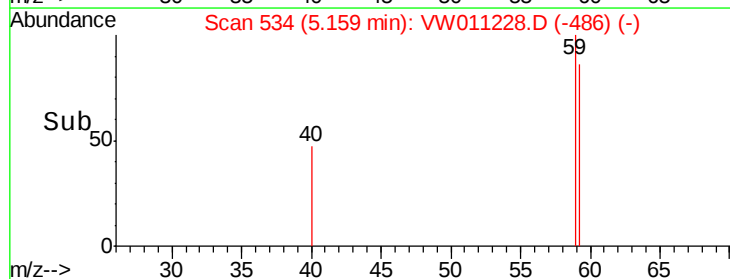
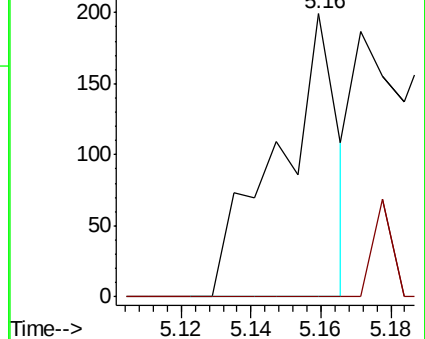
59 100

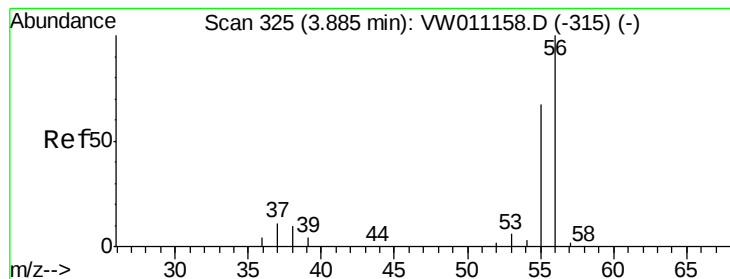
57 10.6 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.115 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

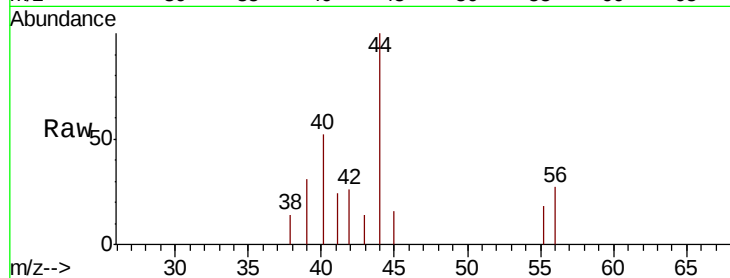
KY0300F002-SD-190710

Tot Ion: 56 Resp: 277

Ion Ratio Lower Upper

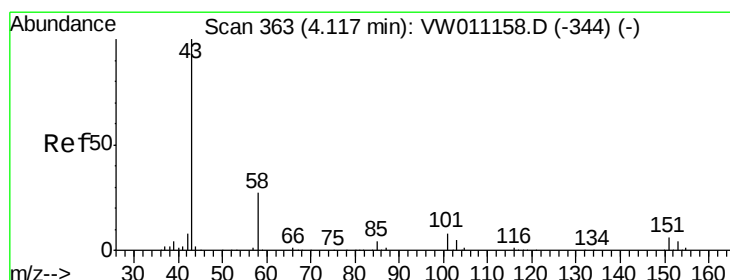
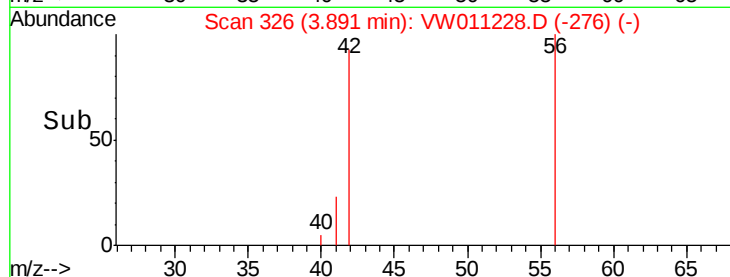
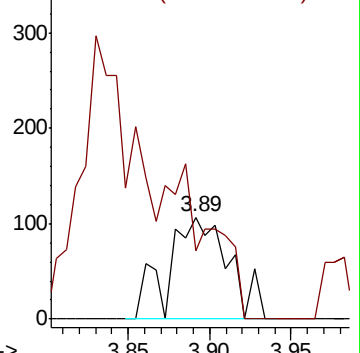
56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 38.080 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011228.D

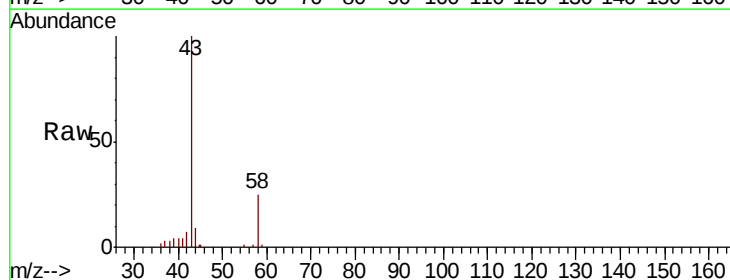
Acq: 11 Jul 2019 14:43

Tgt Ion: 43 Resp: 20356

Ion Ratio Lower Upper

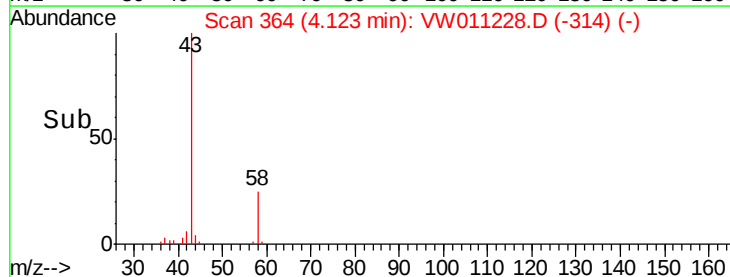
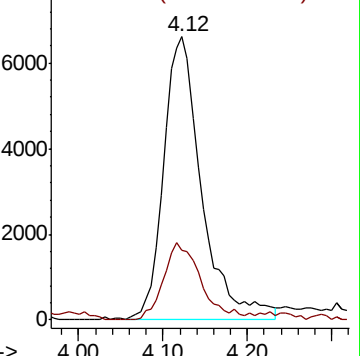
43 100

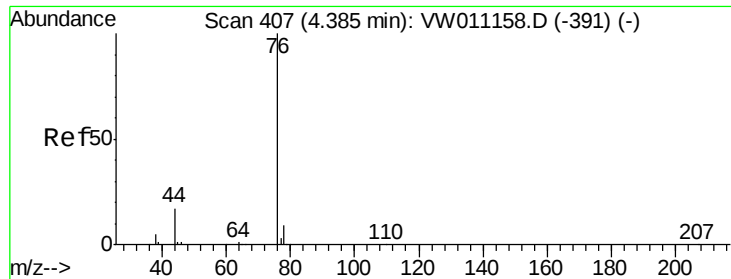
58 24.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

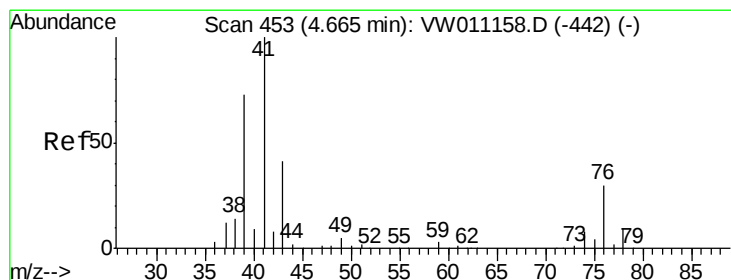
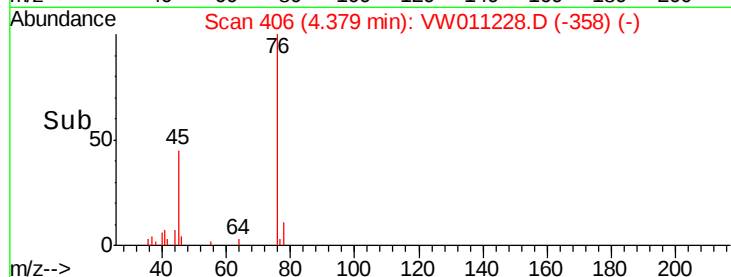
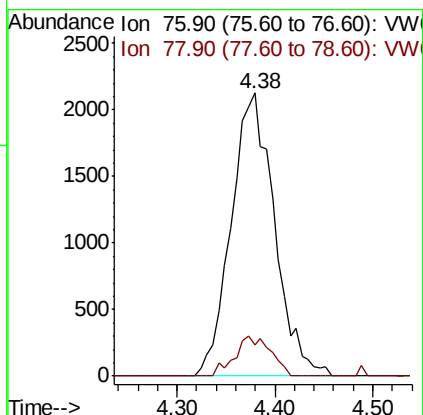
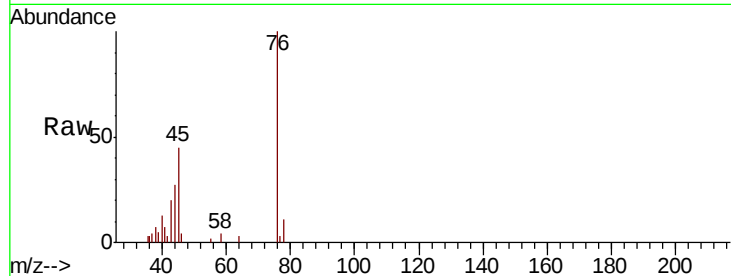




#17
Carbon Disulfide
Concen: 1.096 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

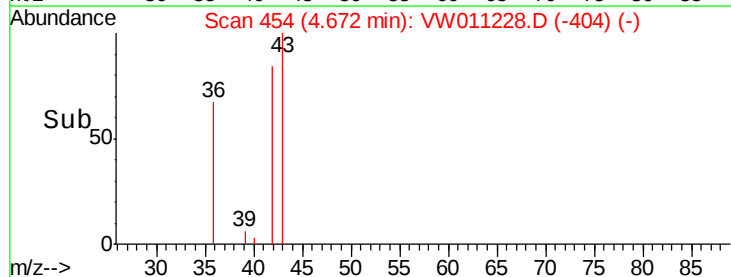
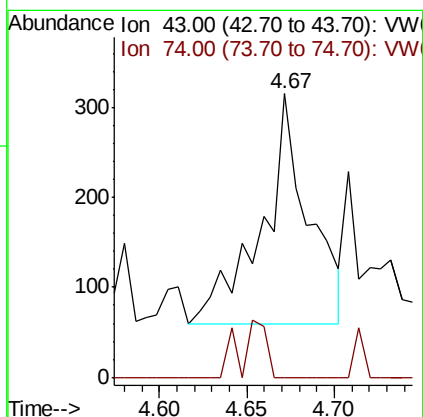
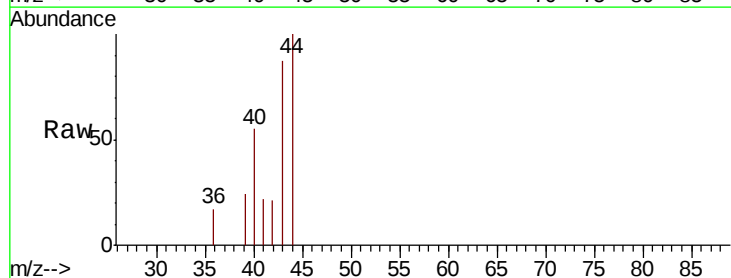
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

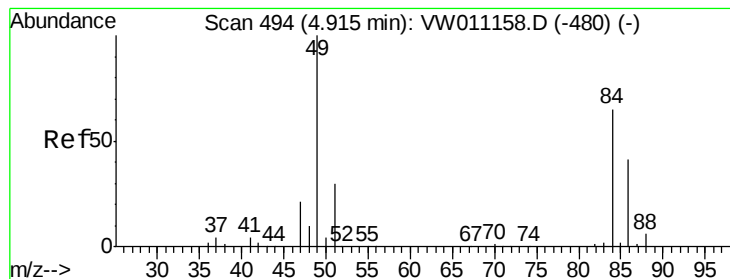
Tot Ion: 76 Resp: 6526
Ion Ratio Lower Upper
76 100
78 11.2 7.1 10.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
74 13.6 15.7 23.5#





#20

Methvlene Chloride

Concen: 1.963 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

KY0300F002-SD-190710

Tot Ion: 84 Resp: 4140

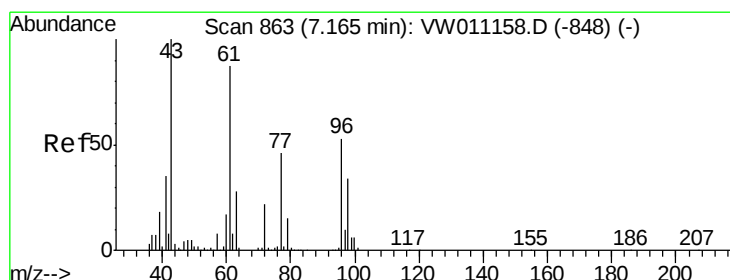
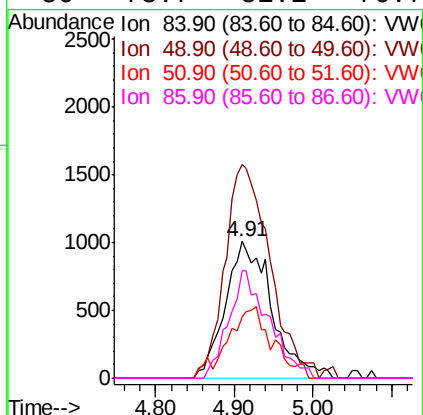
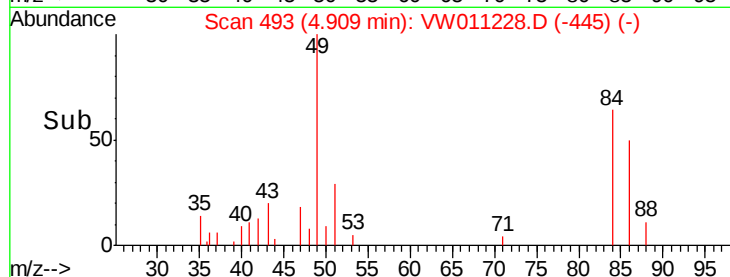
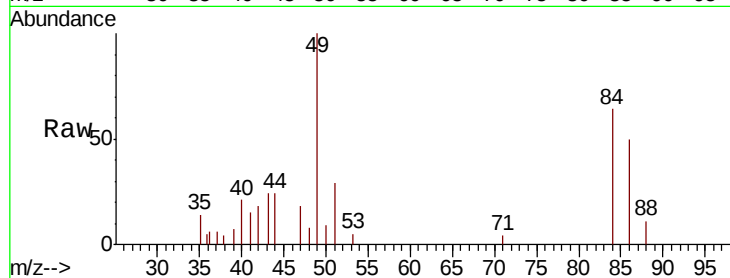
Ion Ratio Lower Upper

84 100

49 156.6 123.8 185.6

51 44.8 37.4 56.2

86 78.7 51.1 76.7#



#25

2-Butanone

Concen: 8.558 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011228.D

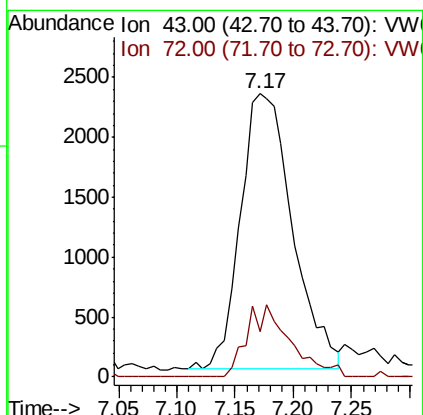
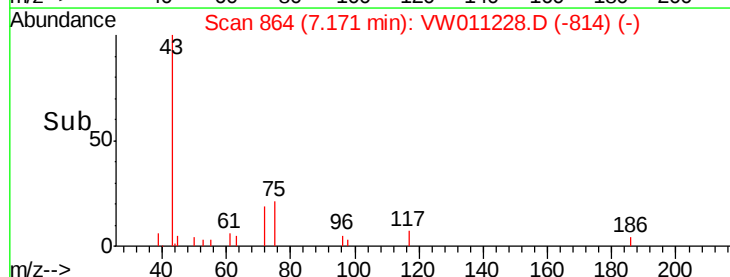
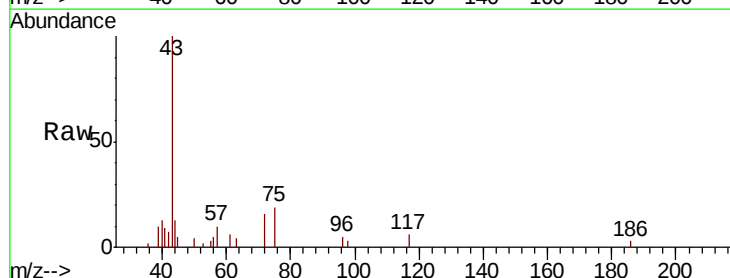
Acq: 11 Jul 2019 14:43

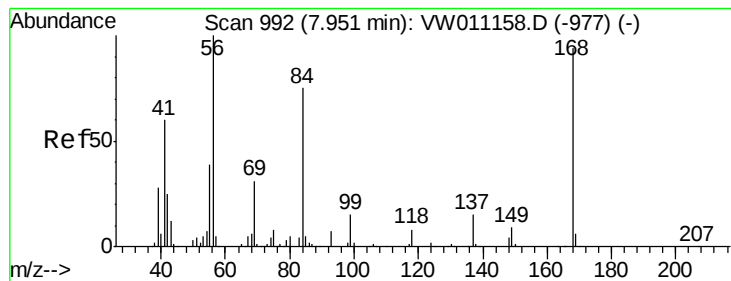
Tgt Ion: 43 Resp: 7181

Ion Ratio Lower Upper

43 100

72 16.5 17.6 26.4#





#31

Cvclohexane

Concen: 1.669 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

KY0300F002-SD-190710

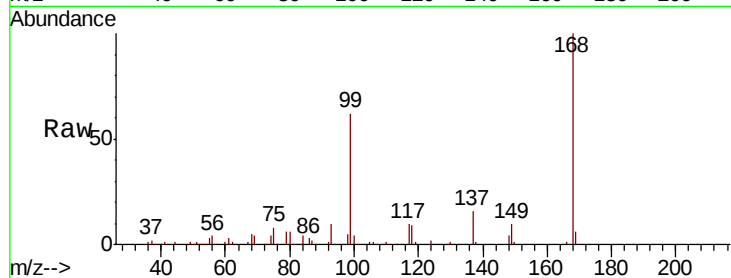
Tot Ion: 56 Resp: 7181

Ion Ratio Lower Upper

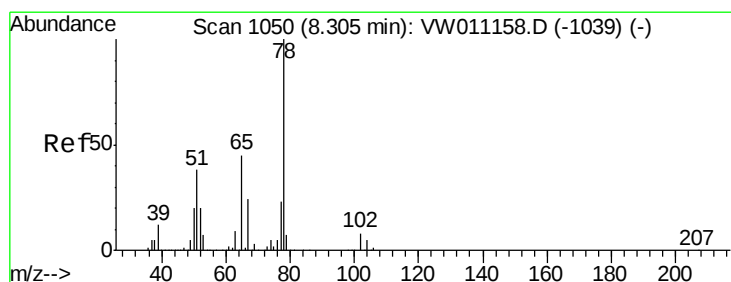
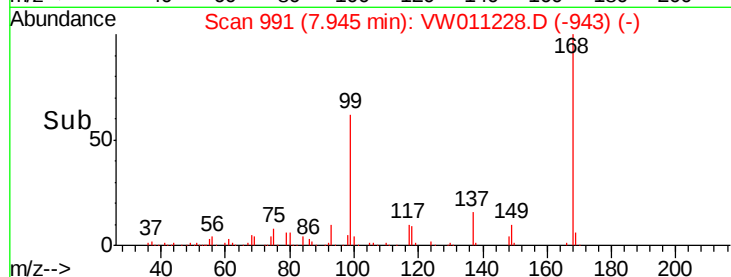
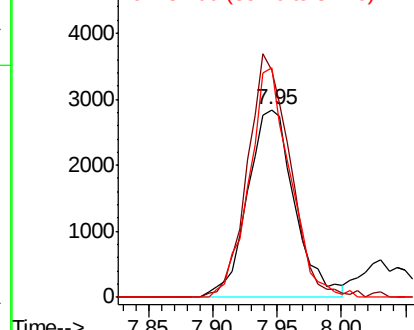
56 100

69 120.7 24.6 36.8#

84 122.3 60.1 90.1#



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: 60.755 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011228.D

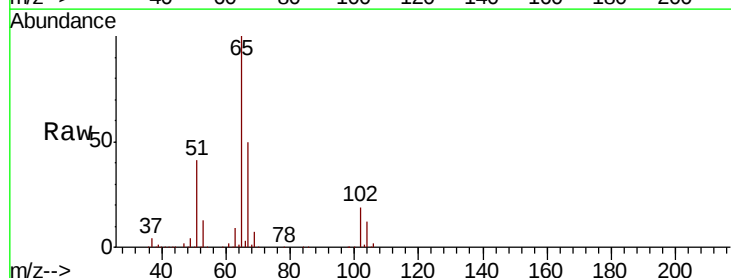
Acq: 11 Jul 2019 14:43

Tgt Ion: 65 Resp: 134978

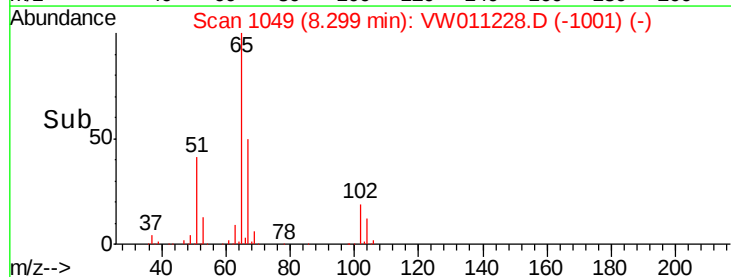
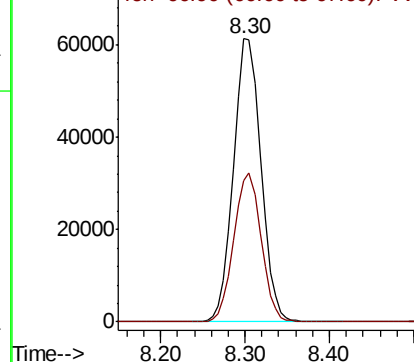
Ion Ratio Lower Upper

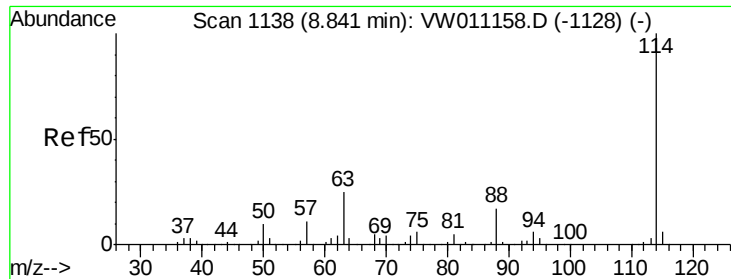
65 100

67 52.2 0.0 104.4



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

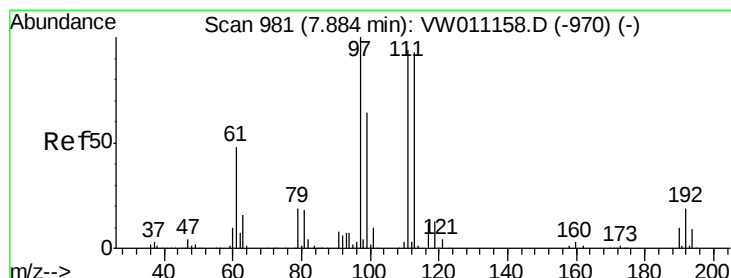
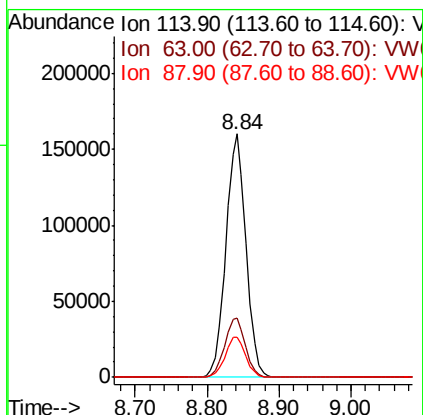
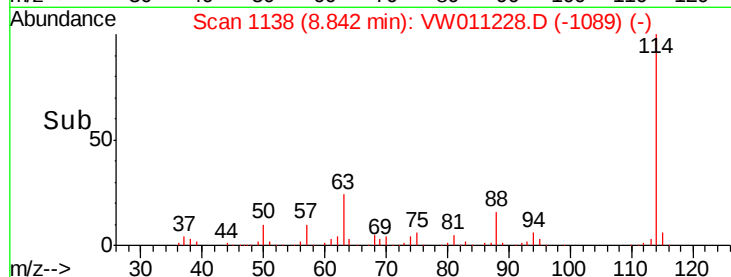
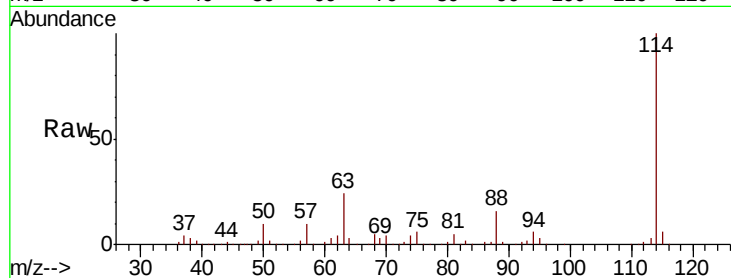




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011228.D
 Acq: 11 Jul 2019 14:43

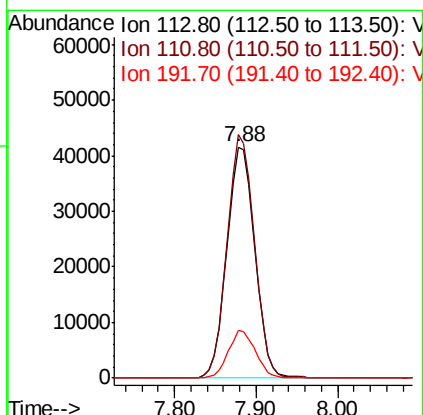
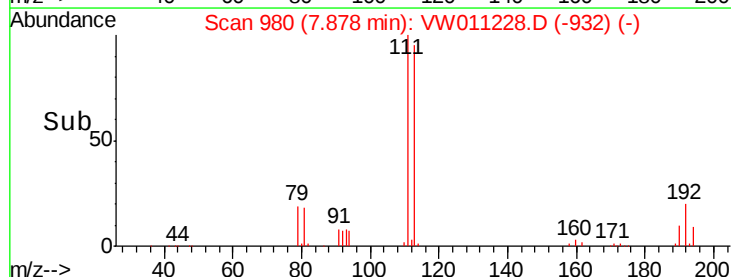
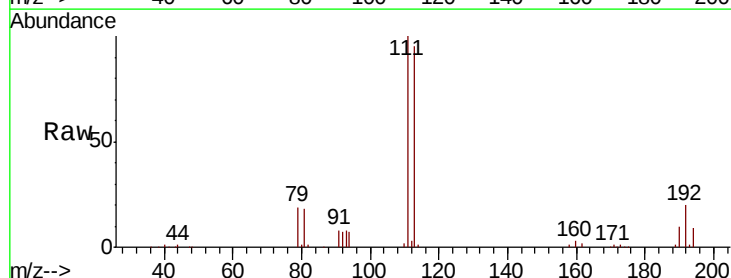
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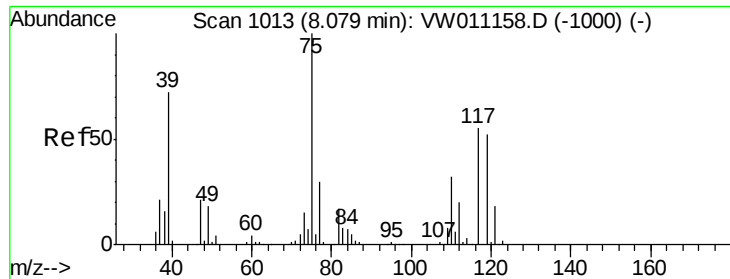
Tot Ion:	114	Resp:	309735
Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	50.8
88	16.4	0.0	34.2



#35
 Dibromofluoromethane
 Concen: 53.202 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011228.D
 Acq: 11 Jul 2019 14:43

Tgt Ion:	113	Resp:	98220
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	19.9	15.8	23.8

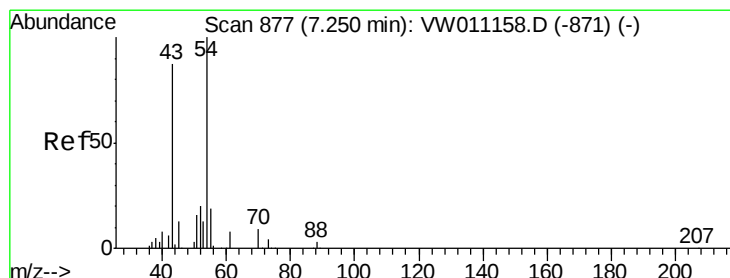
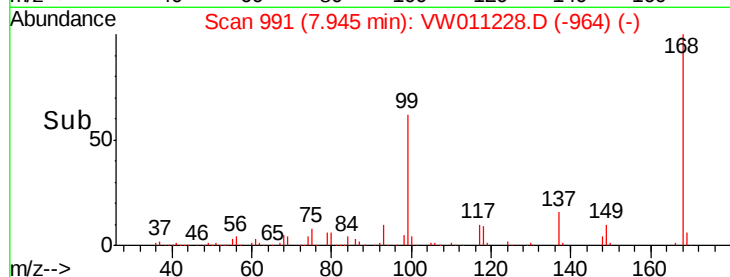
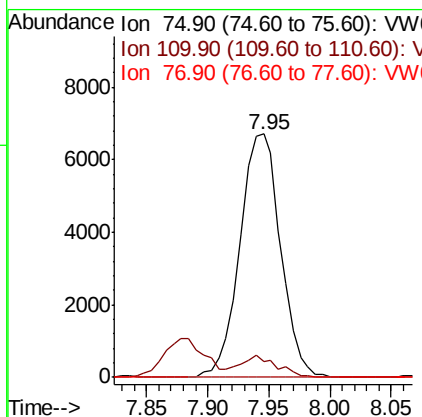
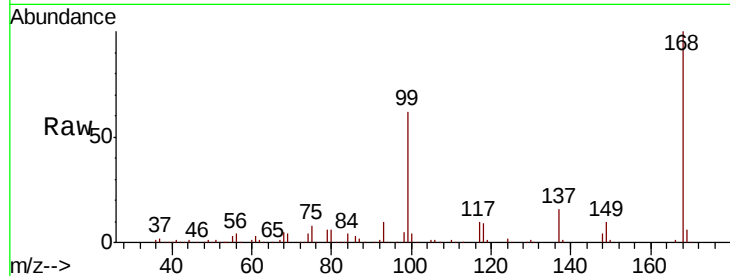




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011228.D
 Acq: 11 Jul 2019 14:43

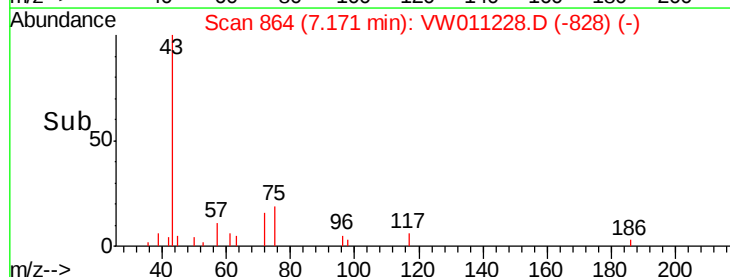
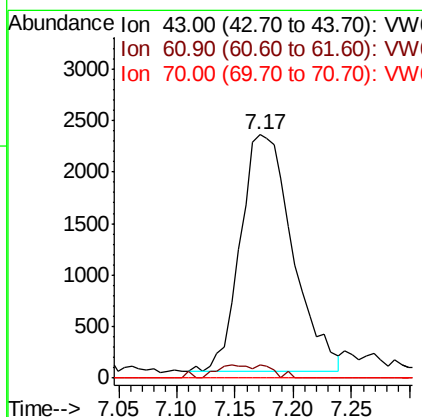
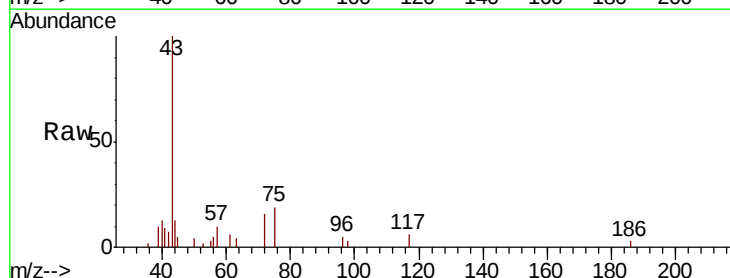
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 KY0300F002-SD-190710

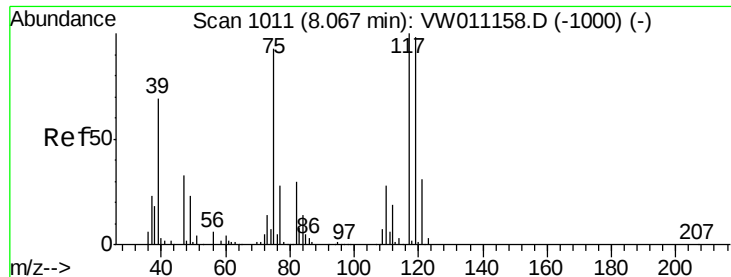
Tot Ion: 75 Resp: 15460
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.9 47.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 3.624 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW011228.D
 Acq: 11 Jul 2019 14:43

Tgt Ion: 43 Resp: 7181
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.5 14.3#
 70 0.0 7.1 10.7#

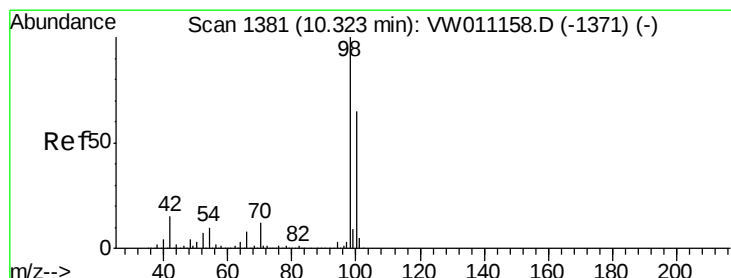
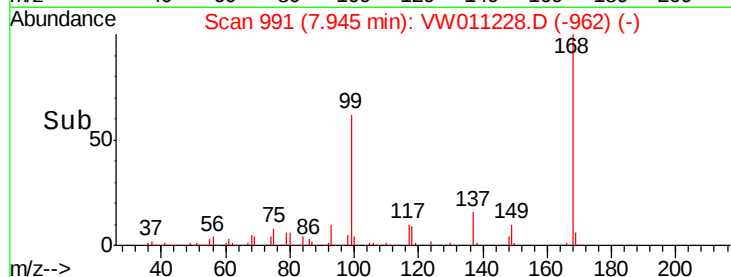
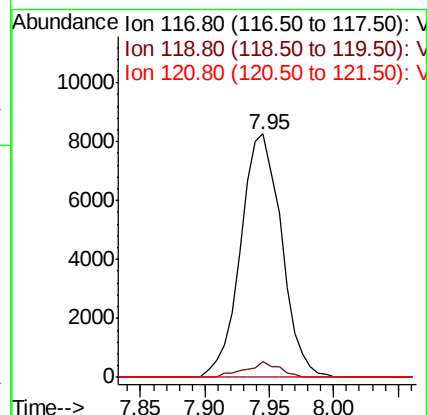
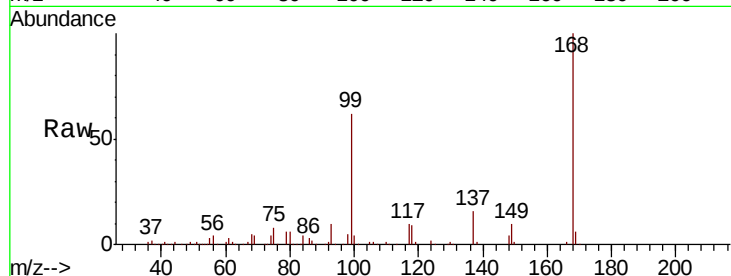




#38
Carbon Tetrachloride
Concen: 6.505 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

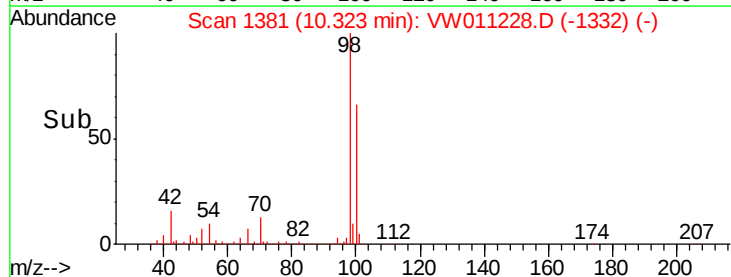
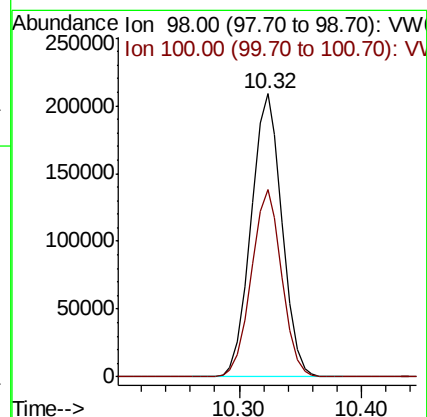
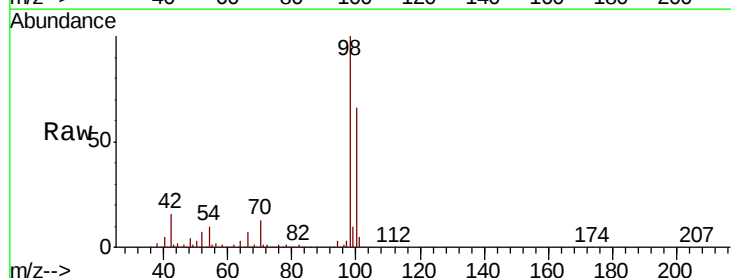
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

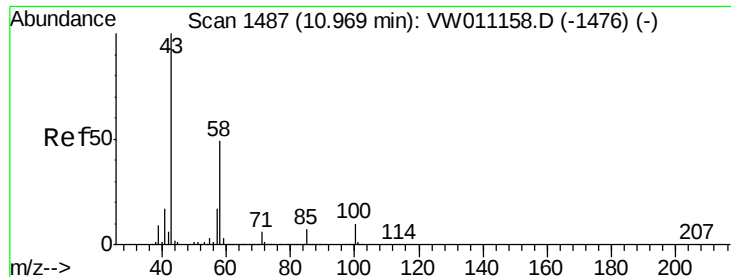
Tot Ion:117 Resp: 18190
Ion Ratio Lower Upper
117 100
119 6.5 78.1 117.1#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 49.158 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 98 Resp: 366840
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

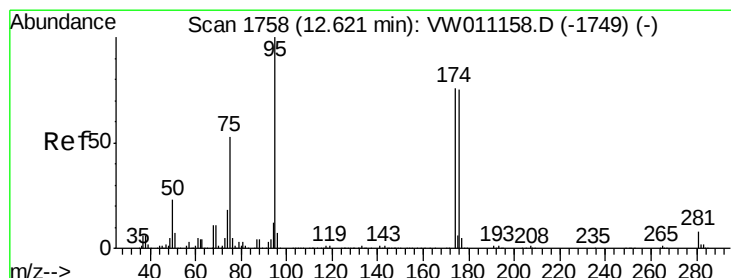
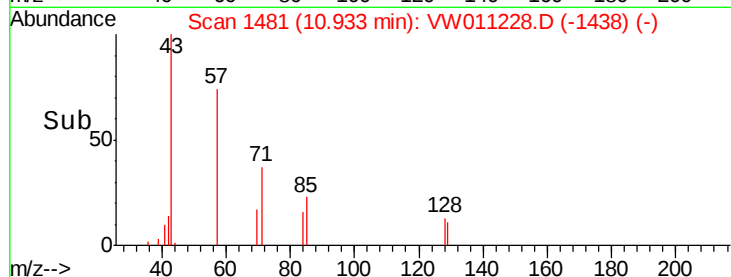
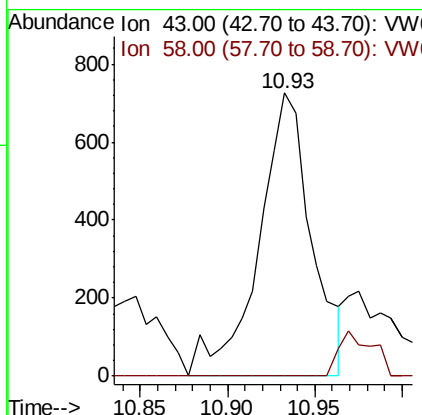
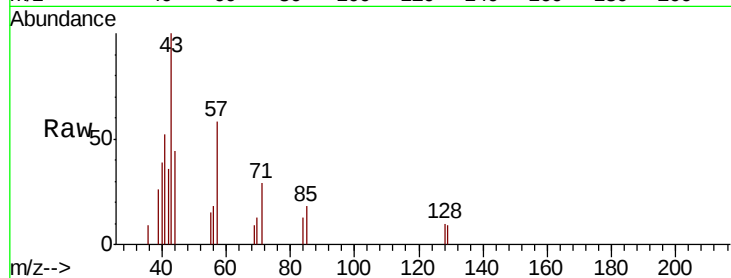




#59
2-Hexanone
Concen: 1.124 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

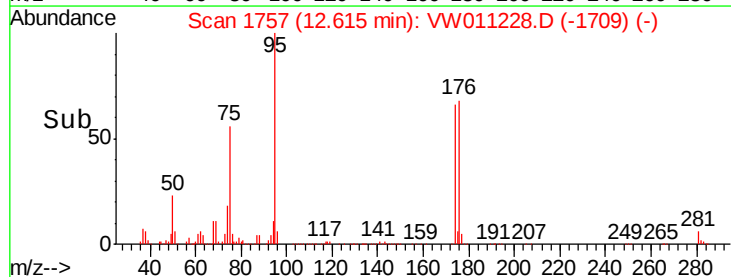
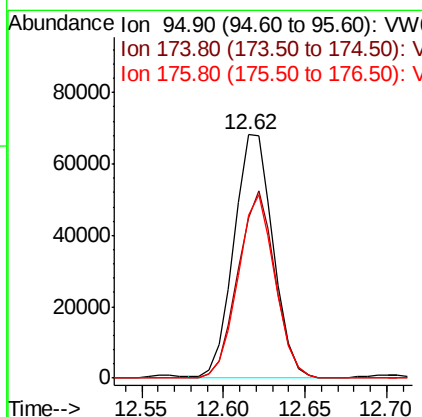
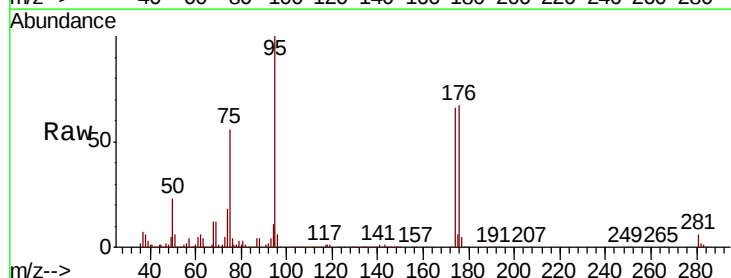
Instrument :
MSVOA_W
ClientSampleId :
KY030OF002-SD-190710

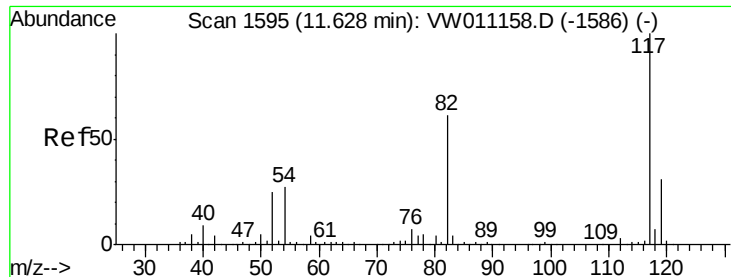
Tot Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 41.385 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 95 Resp: 113199
Ion Ratio Lower Upper
95 100
174 74.0 0.0 147.6
176 71.8 0.0 144.6

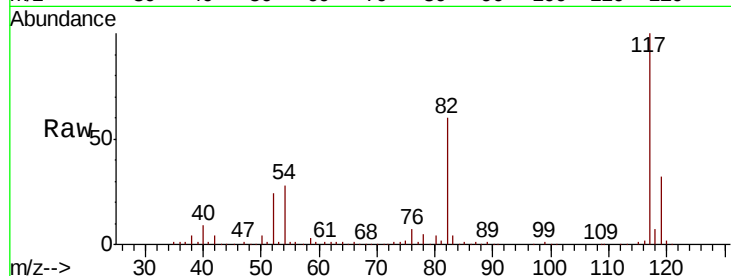




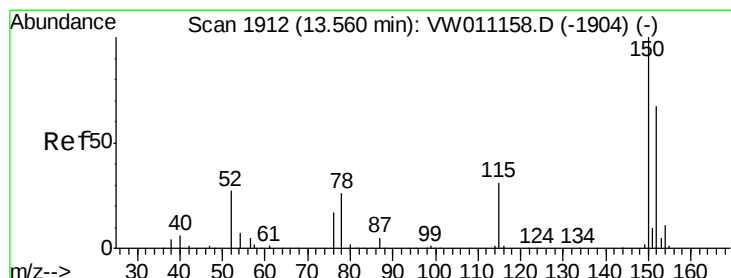
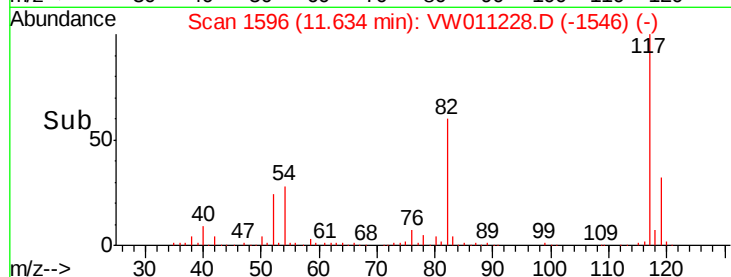
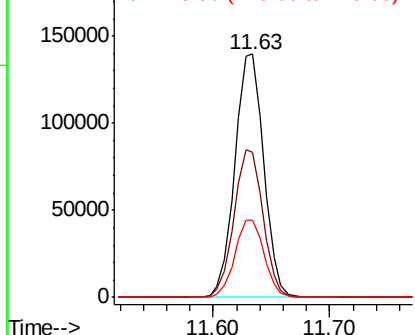
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

Tot Ion:117 Resp: 241983
Ion Ratio Lower Upper
117 100
82 59.6 48.9 73.3
119 31.9 25.0 37.6

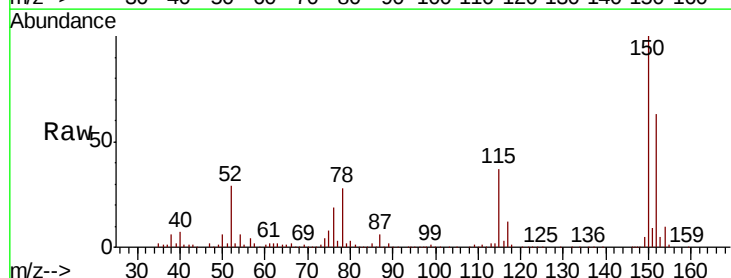


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

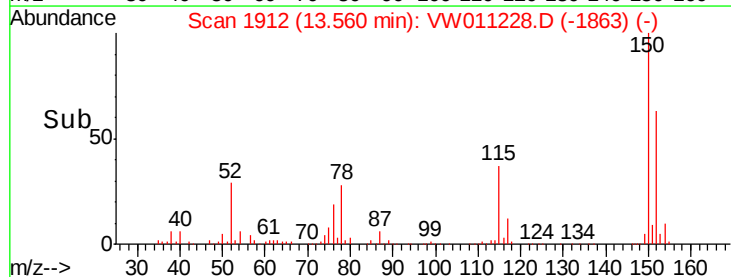
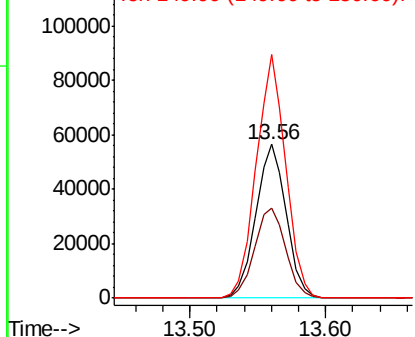


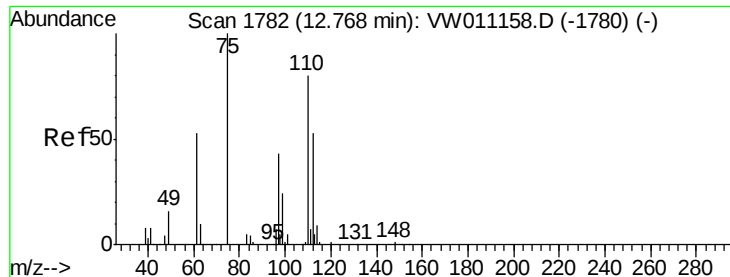
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011228.D
Acq: 11 Jul 2019 14:43

Tgt Ion:152 Resp: 88221
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 154.2 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: 59.163 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

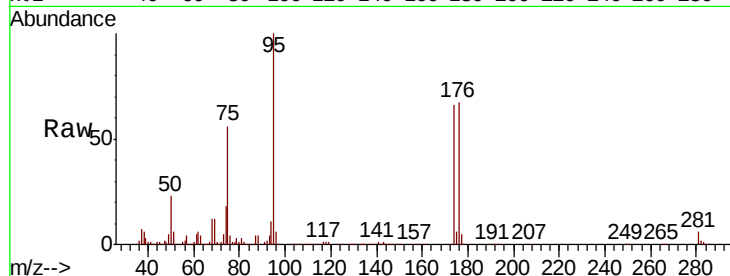
KY0300F002-SD-190710

Tot Ion: 75 Resp: 60317

Ion Ratio Lower Upper

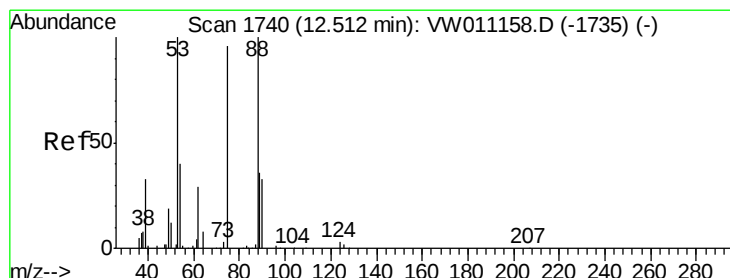
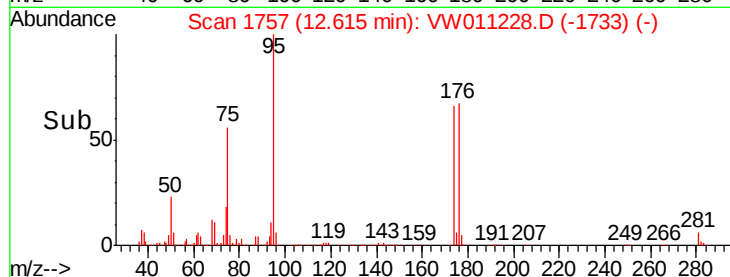
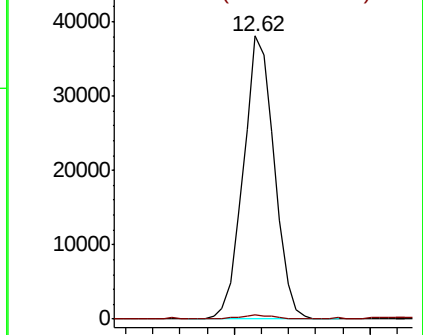
75 100

77 1.6 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: 133.815 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011228.D

Acq: 11 Jul 2019 14:43

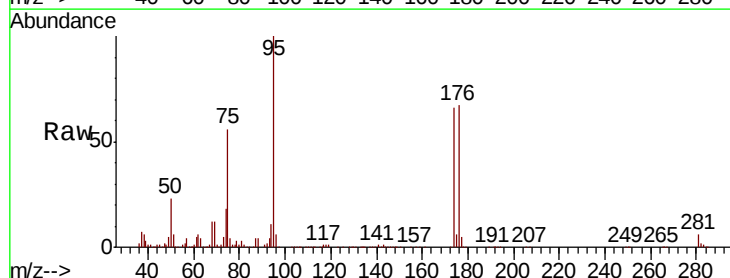
Tgt Ion: 75 Resp: 60317

Ion Ratio Lower Upper

75 100

53 0.4 89.8 134.6#

89 0.0 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

