

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011227.D
 Acq On : 11 Jul 2019 14:16
 Operator : SY/VA
 Sample : K3757-03
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0538-190710

Quant Time: Jul 12 08:31:59 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	185124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110944	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	122541	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	96216	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	10.32	98	398759	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.62	95	126443	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

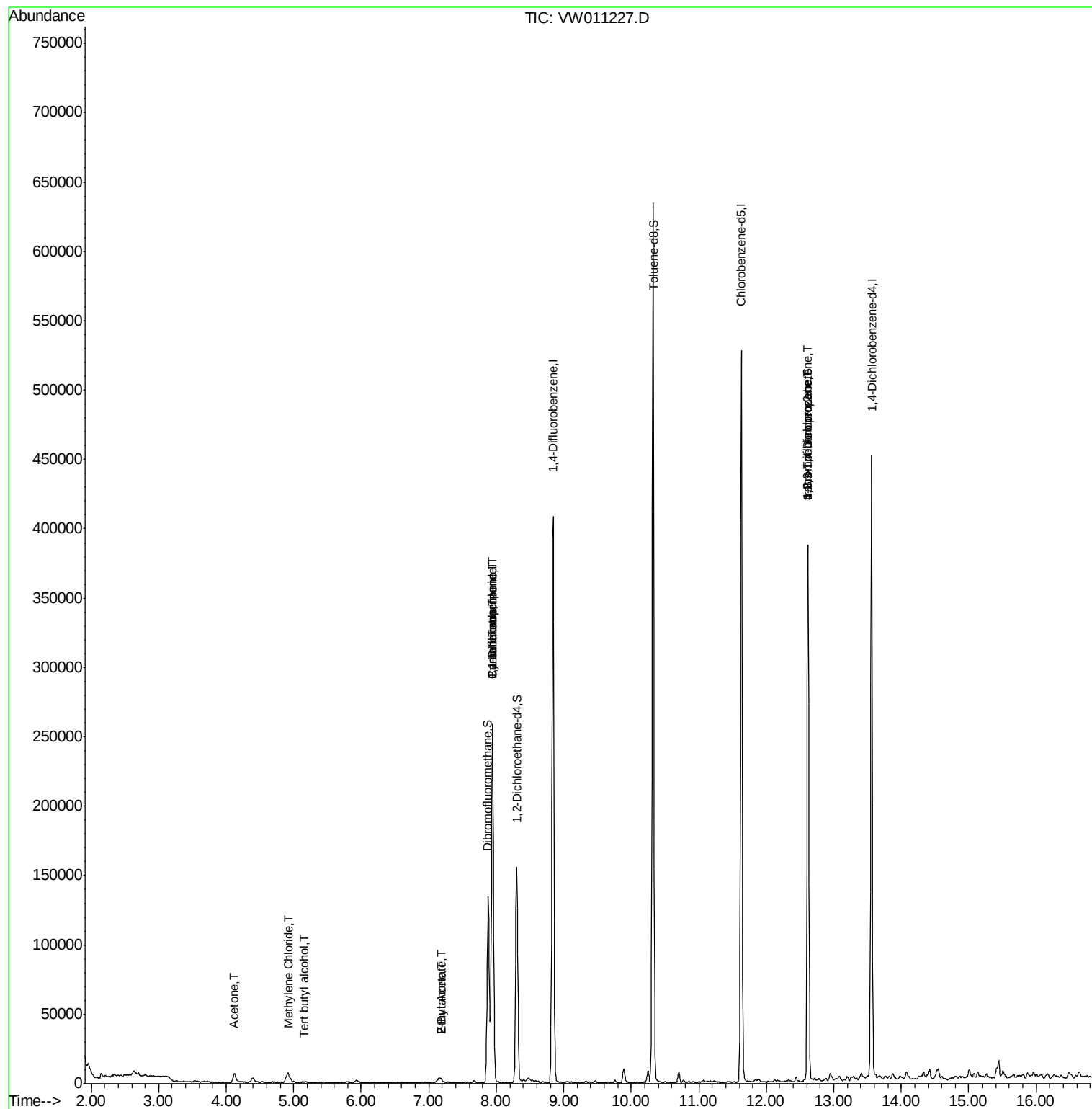
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	348	2.021	ug/l #	70
16) Acetone	4.12	43	13375	23.897	ug/l	99
18) Methyl Acetate	4.66	43	379	Below Cal	#	57
20) Methylene Chloride	4.92	84	5433	2.461	ug/l	90
25) 2-Butanone	7.18	43	4712	5.363	ug/l #	89
31) Cyclohexane	7.94	56	5035	1.117	ug/l #	2
36) 1,1-Dichloropropene	7.94	75	16375	4.812	ug/l #	52
37) Ethyl Acetate	7.18	43	4712	2.305	ug/l #	73
38) Carbon Tetrachloride	7.95	117	19268	6.679	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	69188	53.965	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69188	122.058	ug/l #	5

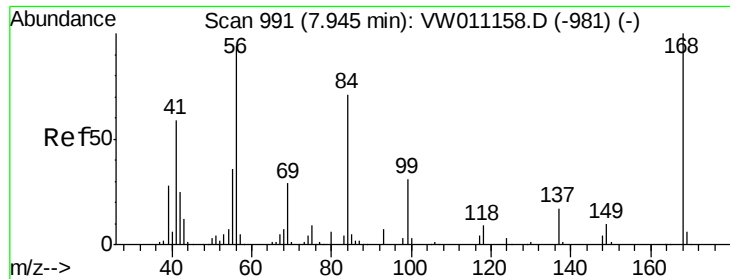
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071219\
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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: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

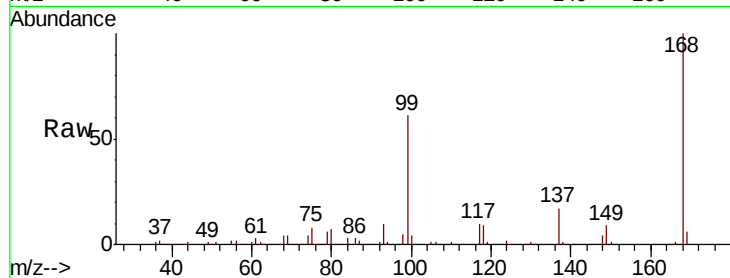
DUP-0538-190710

Tot Ion:168 Resp: 185124

Ion Ratio Lower Upper

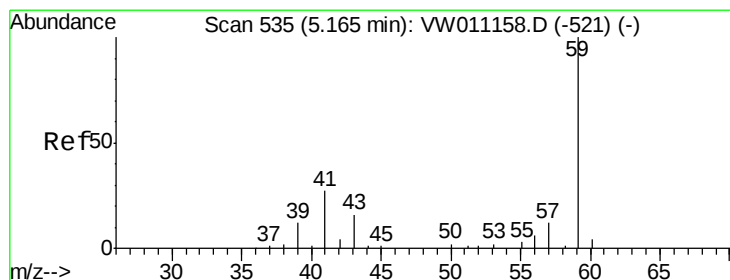
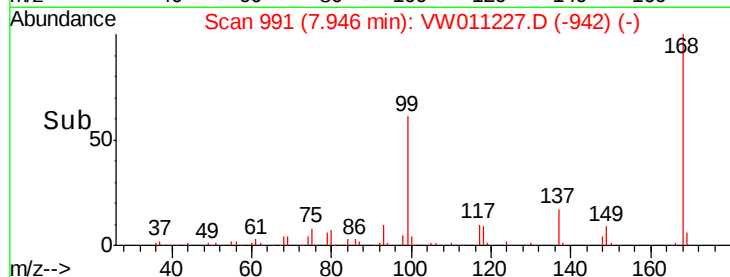
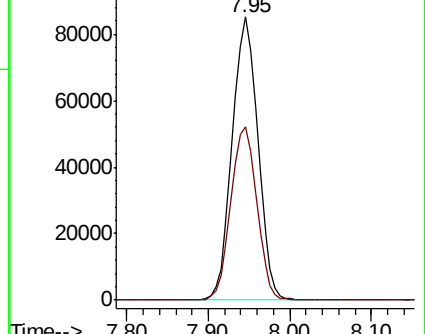
168 100

99 61.5 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: 2.021 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW011227.D

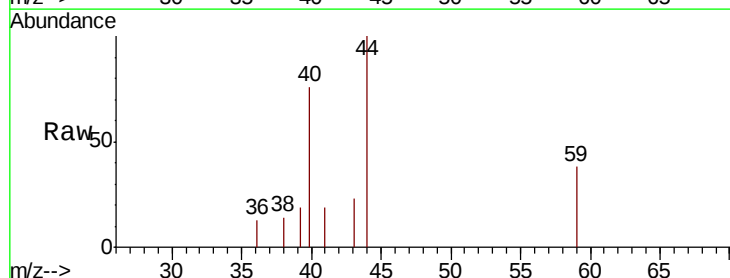
Acq: 11 Jul 2019 14:16

Tgt Ion: 59 Resp: 348

Ion Ratio Lower Upper

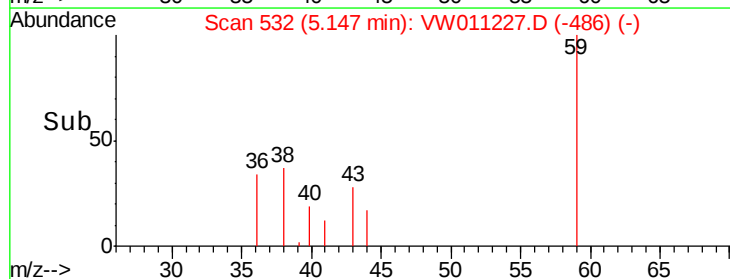
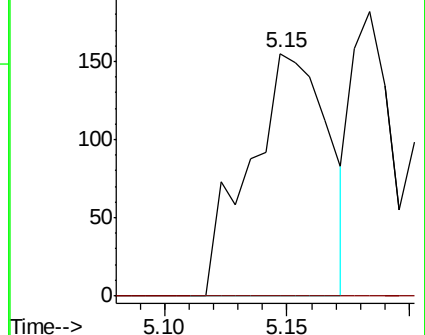
59 100

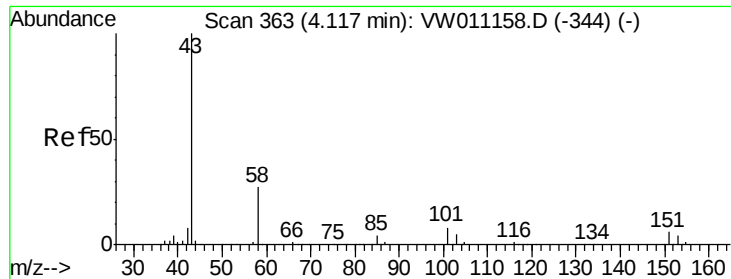
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

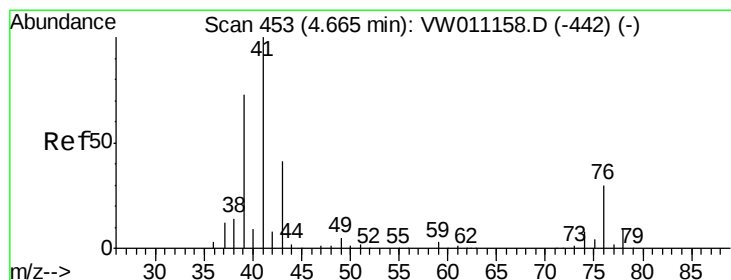
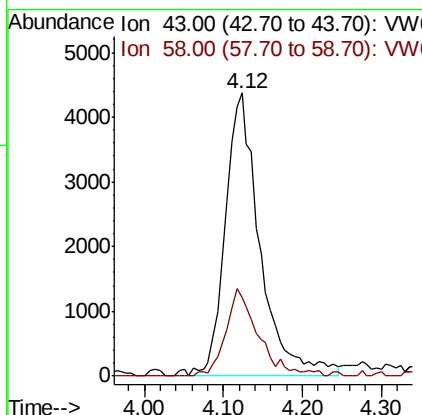
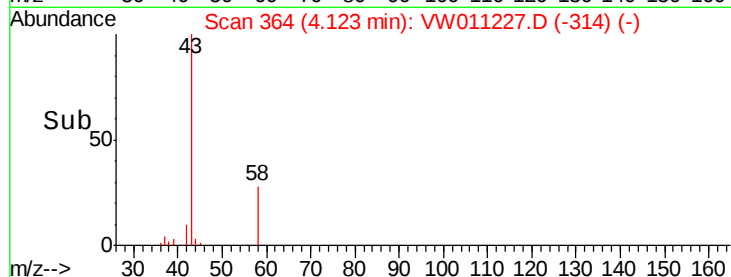
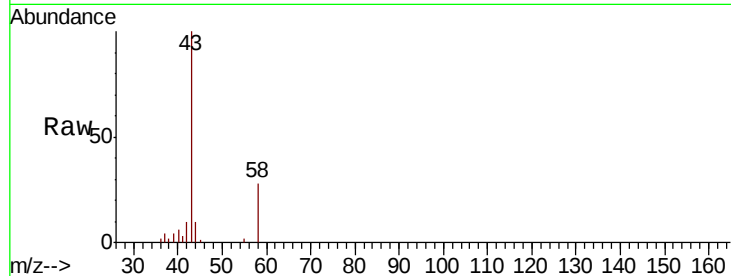




#16
Acetone
Concen: 23.897 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011227.D
Acq: 11 Jul 2019 14:16

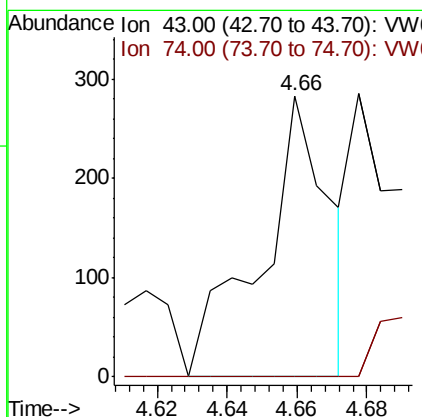
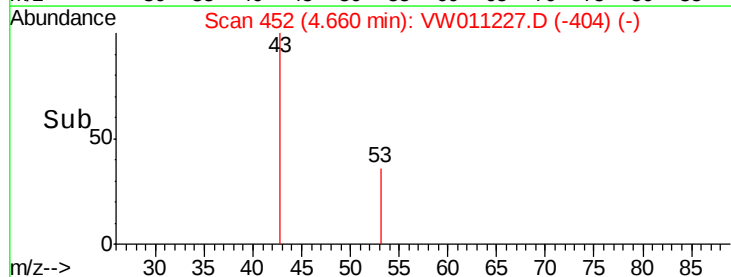
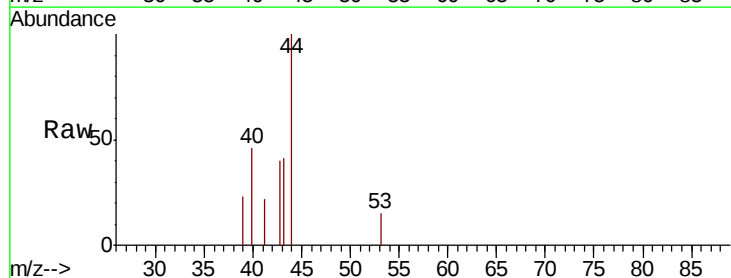
Instrument :
MSVOA_W
ClientSampleId :
DUP-0538-190710

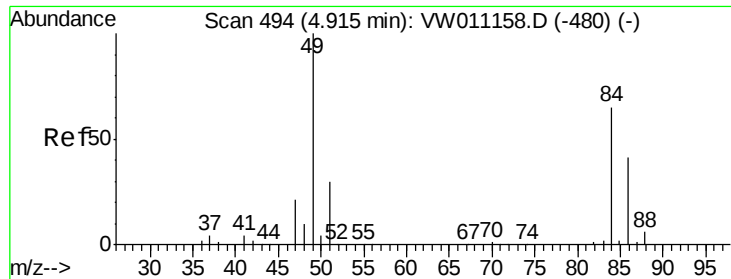
Tot Ion: 43 Resp: 13375
Ion Ratio Lower Upper
43 100
58 27.7 21.8 32.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011227.D
Acq: 11 Jul 2019 14:16

Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#

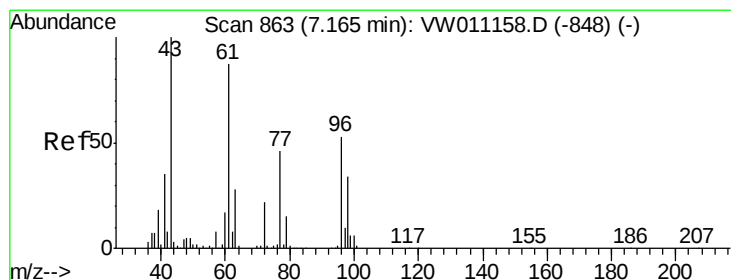
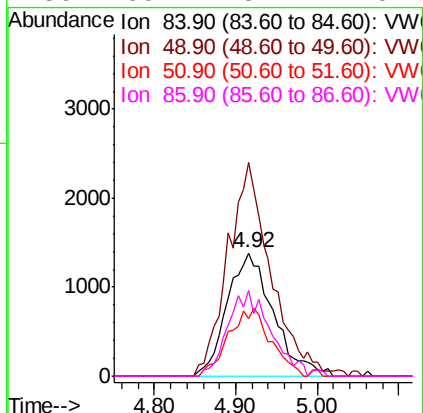
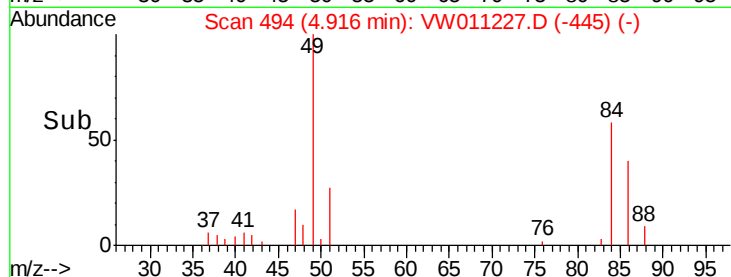
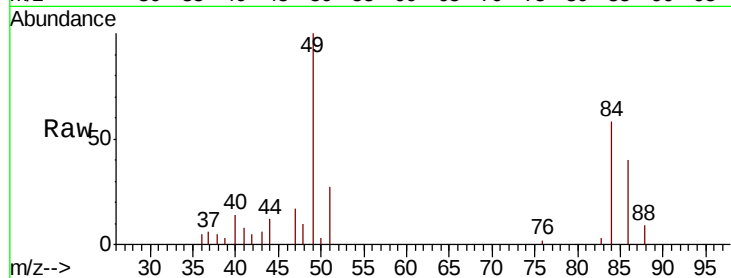




#20
Methvlene Chloride
Concen: 2.461 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011227.D
Acq: 11 Jul 2019 14:16

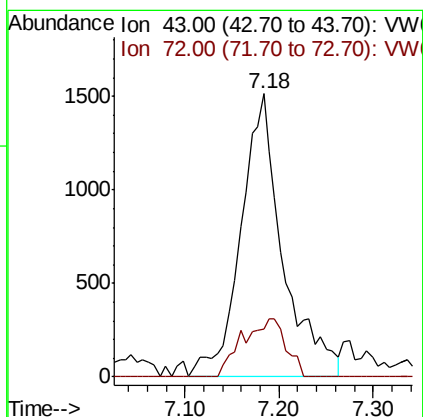
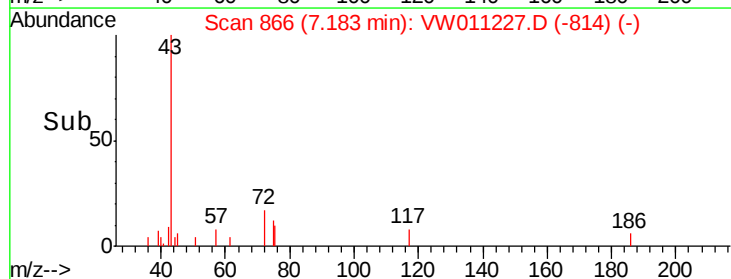
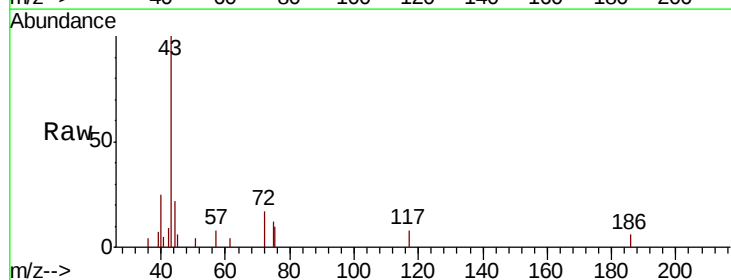
Instrument :
MSVOA_W
ClientSampleId :
DUP-0538-190710

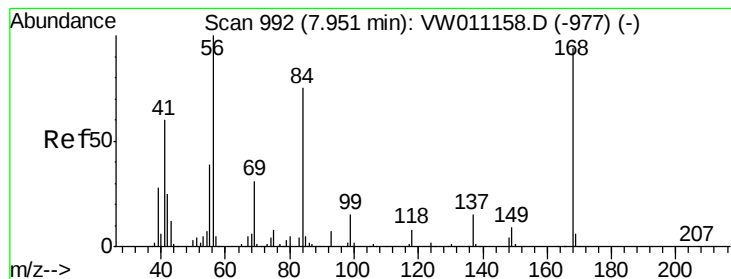
Tot Ion: 84 Resp: 5433
Ion Ratio Lower Upper
84 100
49 173.5 123.8 185.6
51 46.9 37.4 56.2
86 69.4 51.1 76.7



#25
2-Butanone
Concen: 5.363 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW011227.D
Acq: 11 Jul 2019 14:16

Tgt Ion: 43 Resp: 4712
Ion Ratio Lower Upper
43 100
72 17.0 17.6 26.4#





#31

Cyclohexane

Concen: 1.117 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

DUP-0538-190710

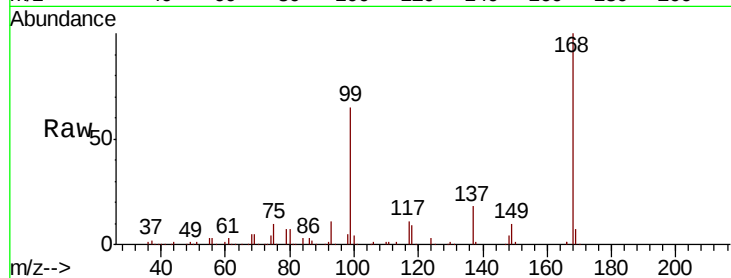
Tot Ion: 56 Resp: 5035

Ion Ratio Lower Upper

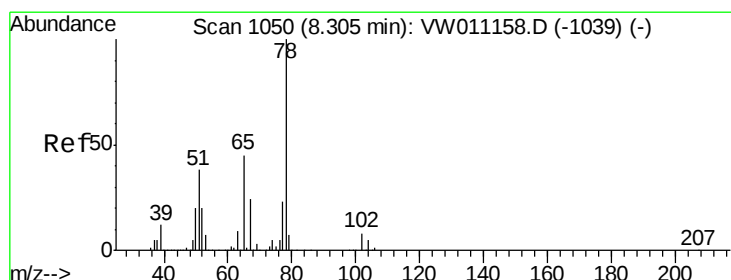
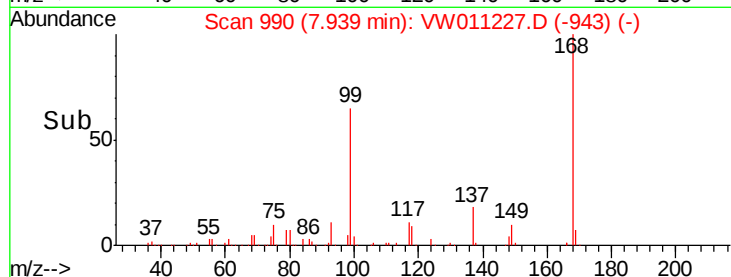
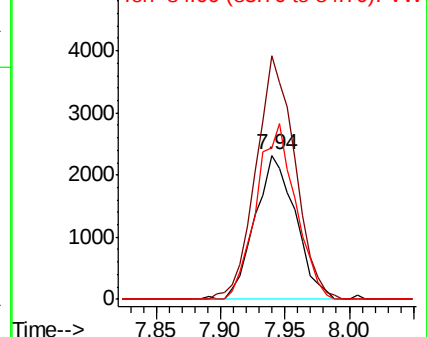
56 100

69 169.3 24.6 36.8#

84 105.1 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: 52.680 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011227.D

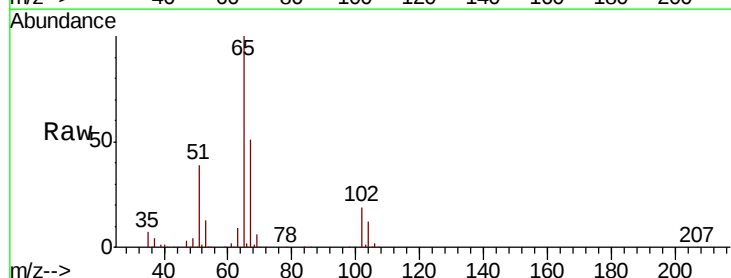
Acq: 11 Jul 2019 14:16

Tgt Ion: 65 Resp: 122541

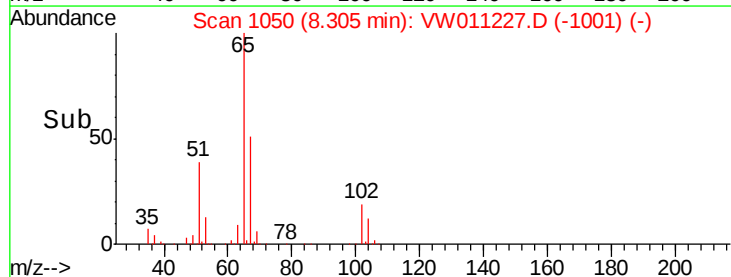
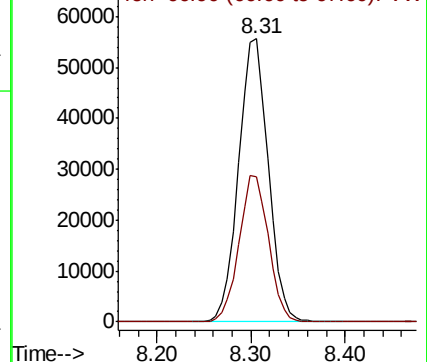
Ion Ratio Lower Upper

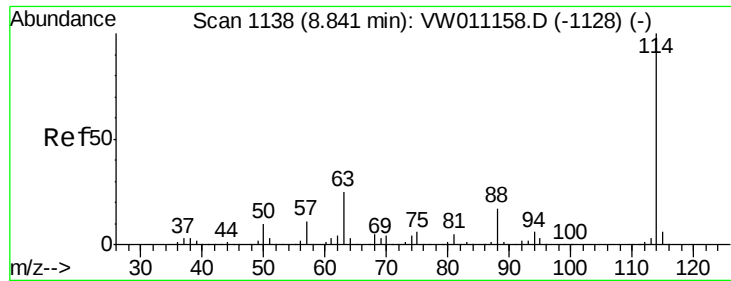
65 100

67 51.4 0.0 104.4



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

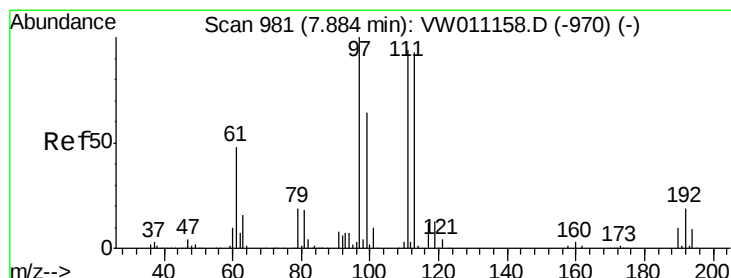
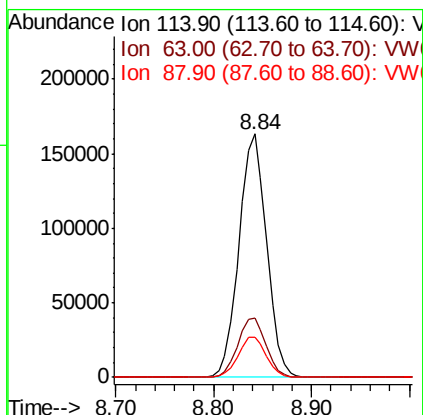
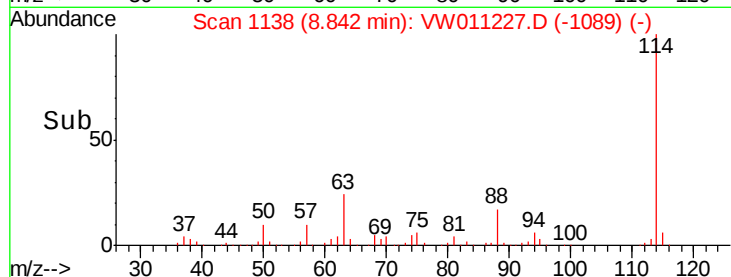
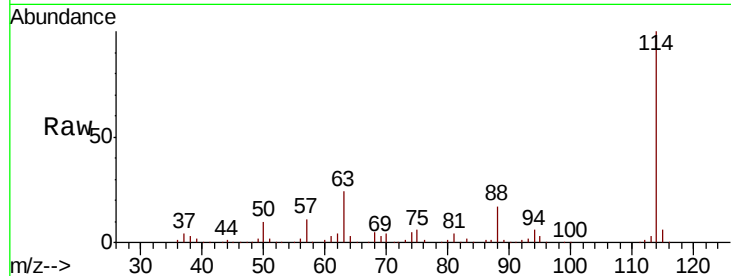




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011227.D
 Acq: 11 Jul 2019 14:16

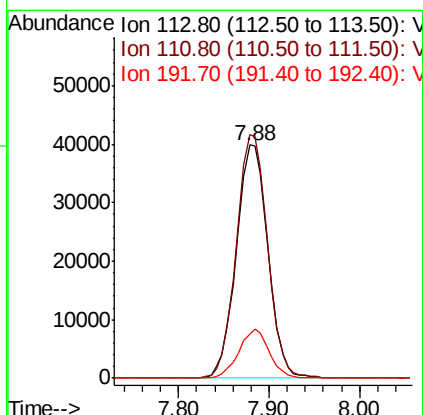
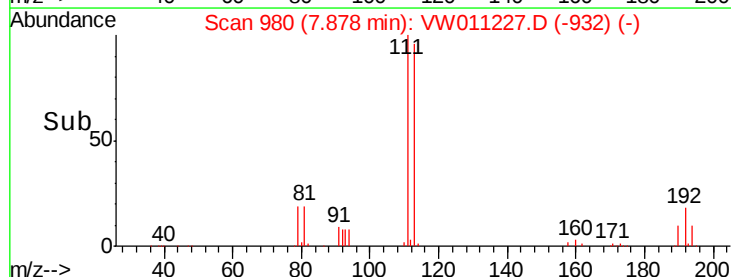
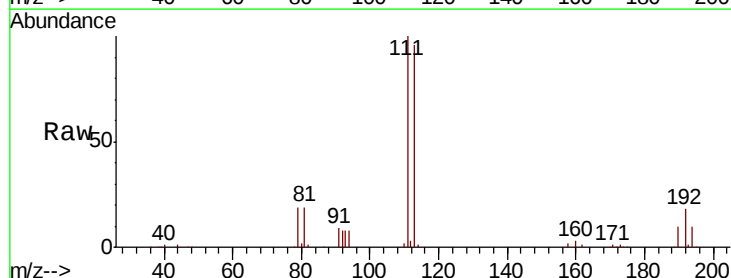
Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-0538-190710

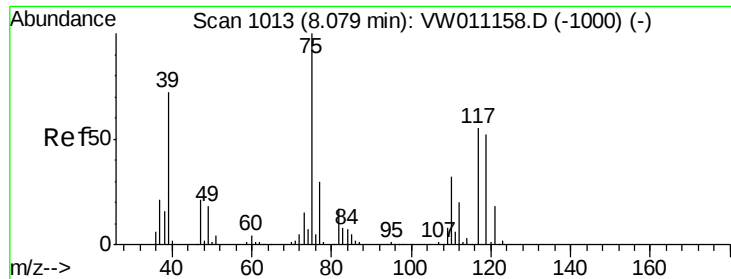
Tot Ion:114 Resp: 319542
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 16.6 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 50.517 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011227.D
 Acq: 11 Jul 2019 14:16

Tgt Ion:113 Resp: 96216
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 19.9 15.8 23.8

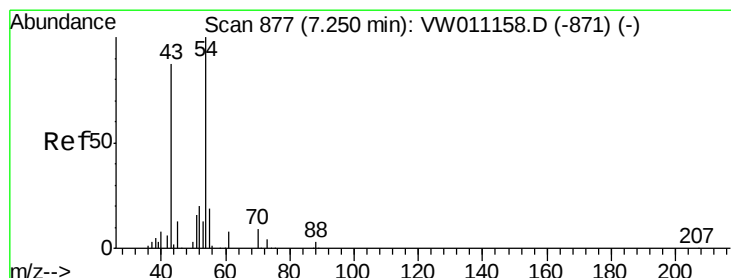
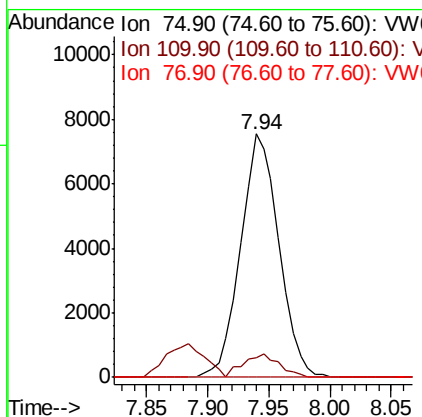
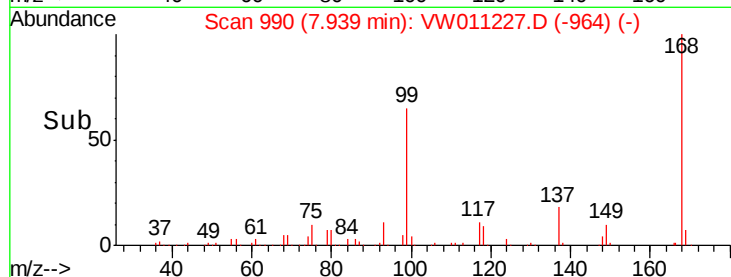
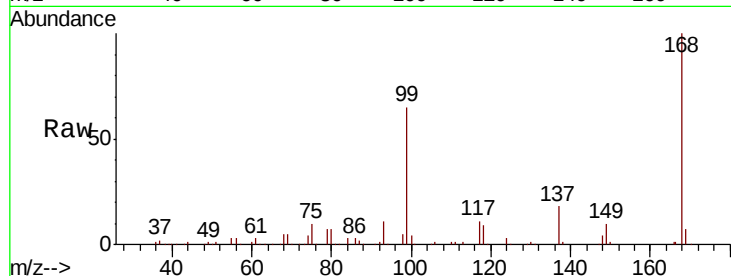




#36
 1,1-Dichloropropene
 Concen: 4.812 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011227.D
 Acq: 11 Jul 2019 14:16

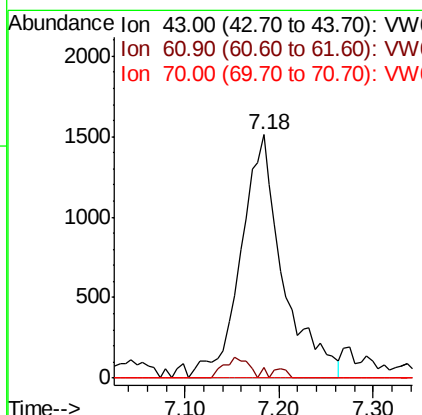
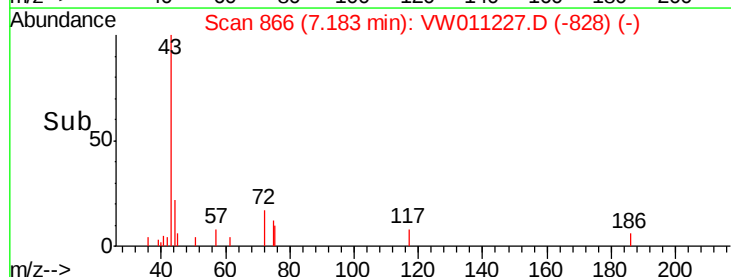
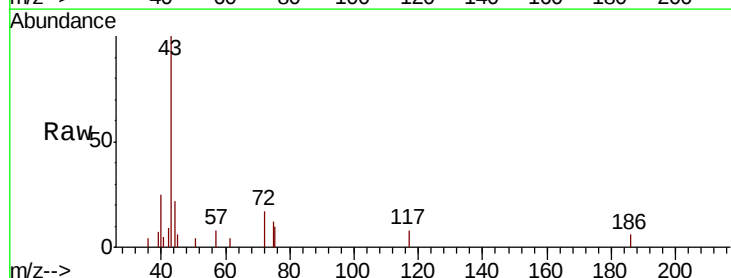
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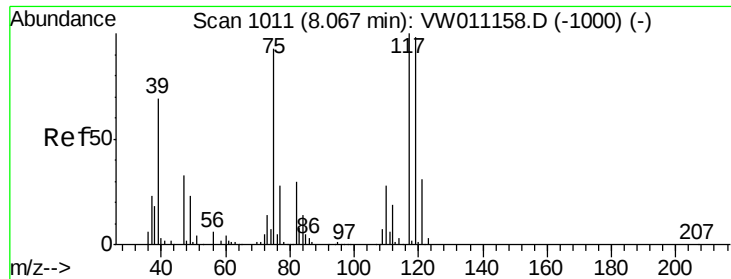
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.9	47.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 2.305 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW011227.D
 Acq: 11 Jul 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.5	9.5	14.3#
70	0.0	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.679 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

DUP-0538-190710

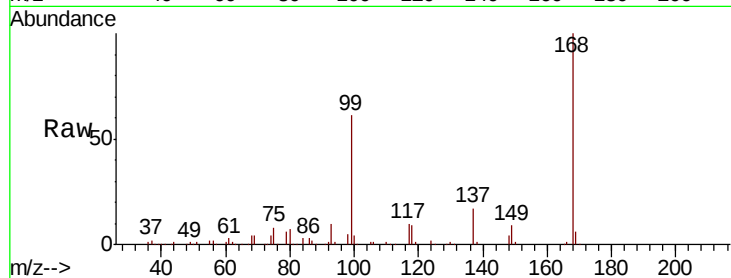
Tot Ion:117 Resp: 19268

Ion Ratio Lower Upper

117 100

119 6.1 78.1 117.1#

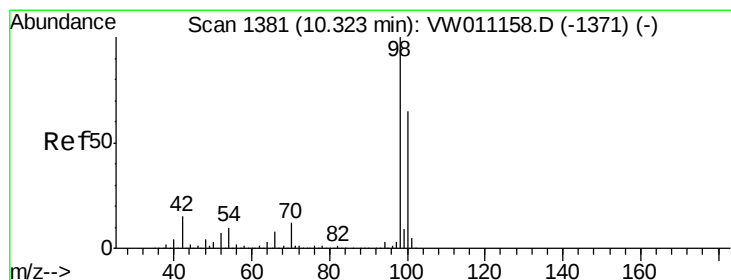
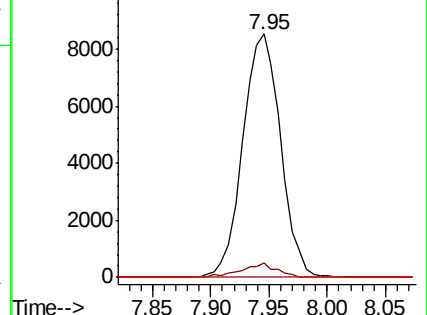
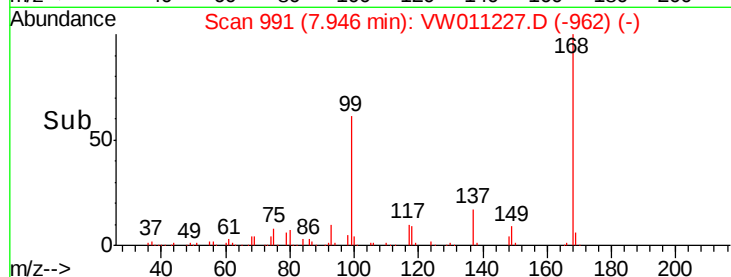
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 51.795 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011227.D

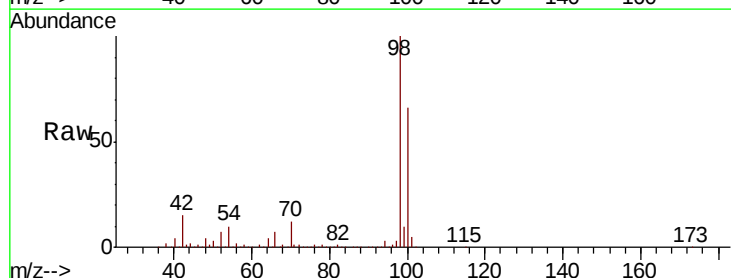
Acq: 11 Jul 2019 14:16

Tgt Ion: 98 Resp: 398759

Ion Ratio Lower Upper

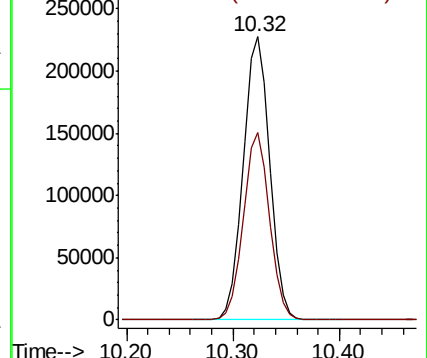
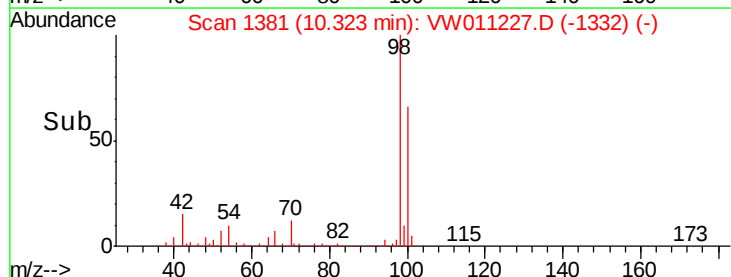
98 100

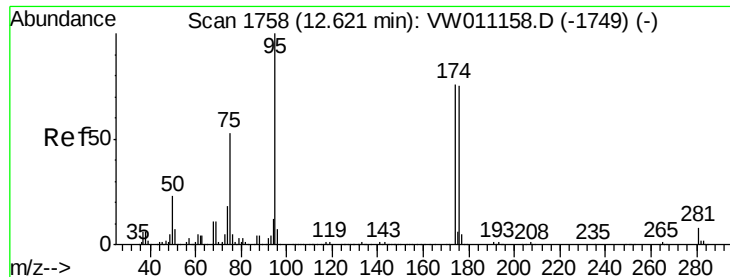
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

DUP-0538-190710

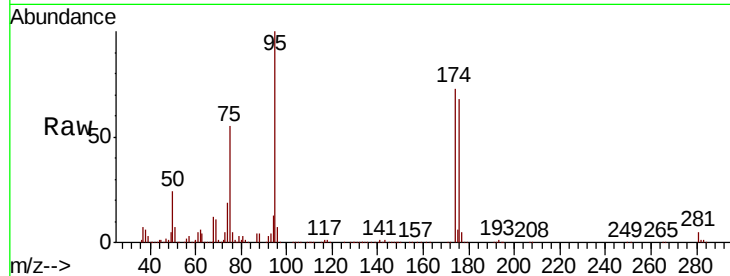
Tot Ion: 95 Resp: 126443

Ion Ratio Lower Upper

95 100

174 74.6 0.0 147.6

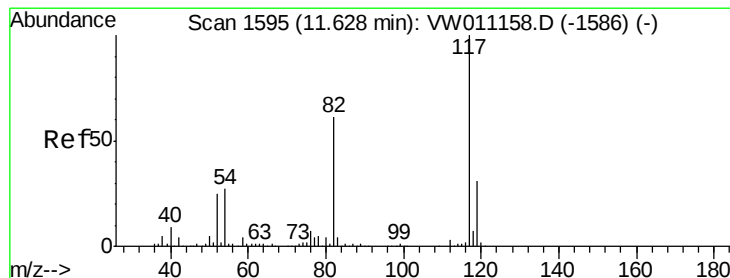
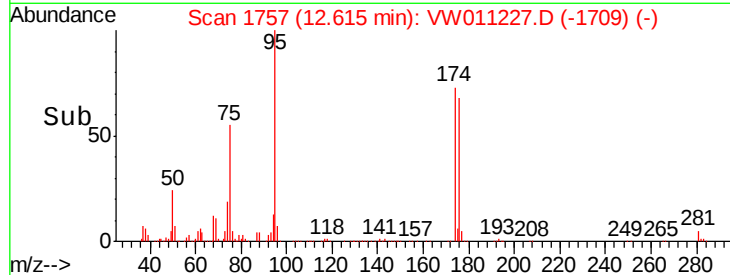
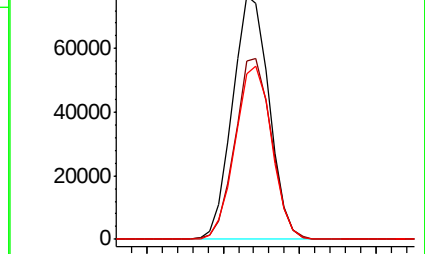
176 71.8 0.0 144.6



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: VW011227.D

Acq: 11 Jul 2019 14:16

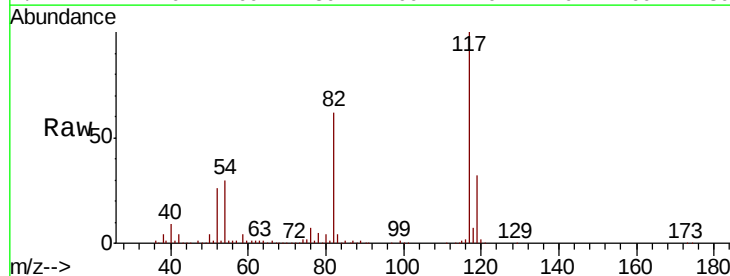
Tgt Ion: 117 Resp: 269341

Ion Ratio Lower Upper

117 100

82 61.7 48.9 73.3

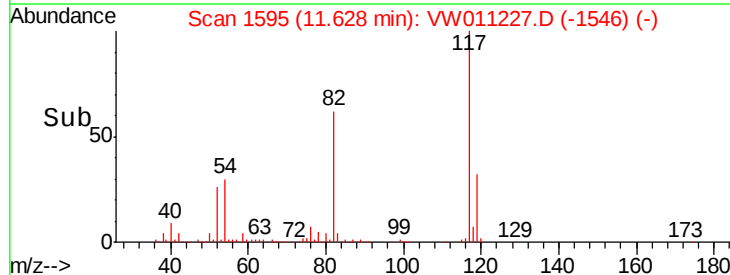
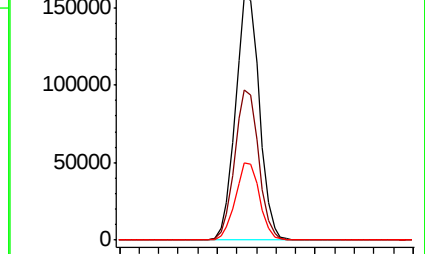
119 31.7 25.0 37.6

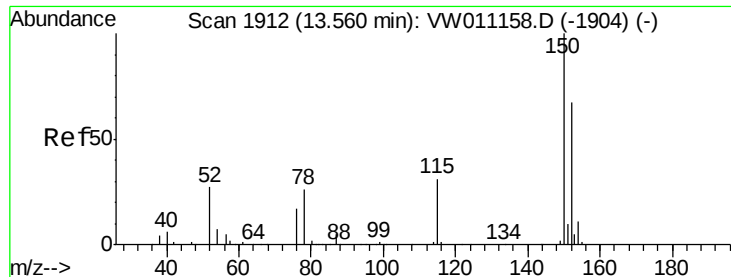


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

DUP-0538-190710

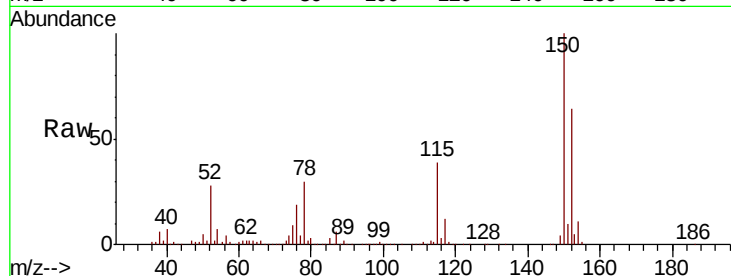
Tot Ion:152 Resp: 110944

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

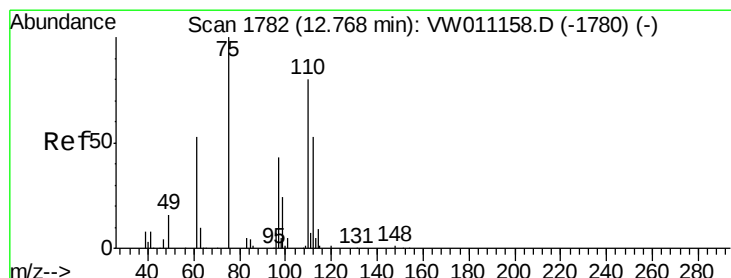
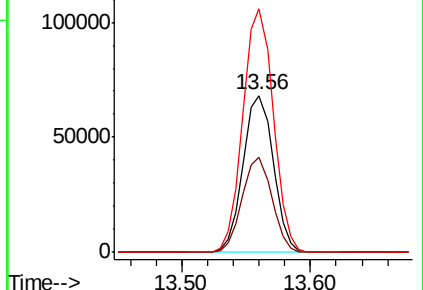
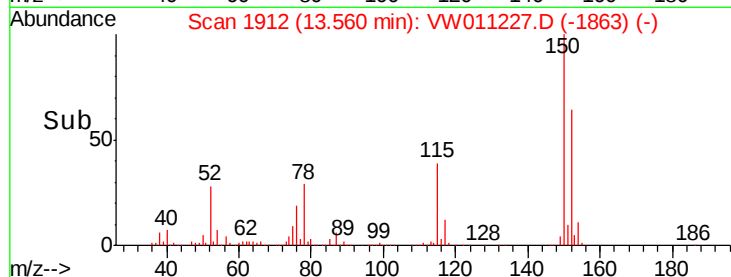
150 155.7 0.0 346.0



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: 53.965 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011227.D

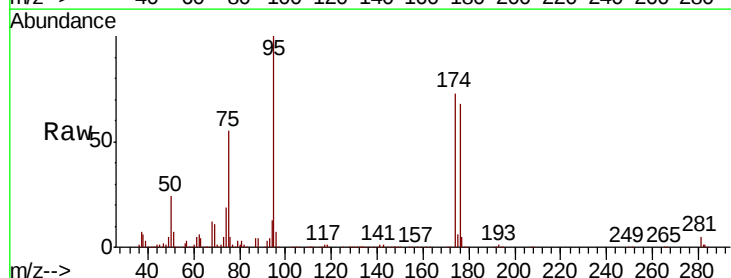
Acq: 11 Jul 2019 14:16

Tgt Ion: 75 Resp: 69188

Ion Ratio Lower Upper

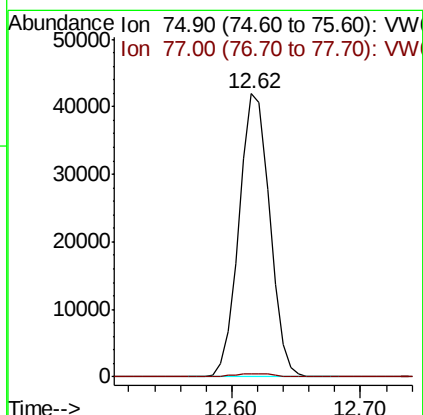
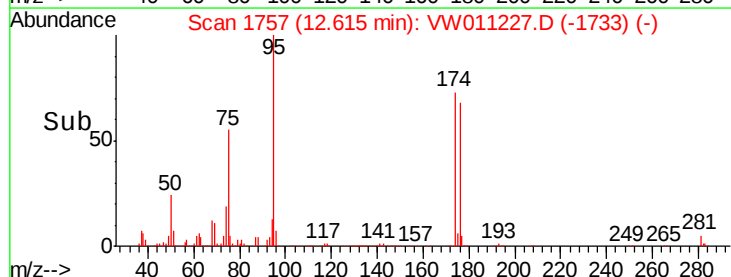
75 100

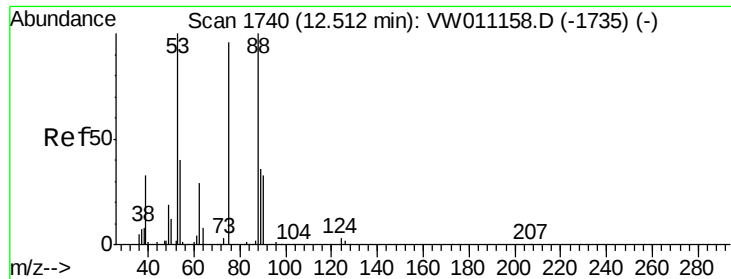
77 1.7 0.0 0.0#



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: 122.058 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011227.D

Acq: 11 Jul 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

DUP-0538-190710

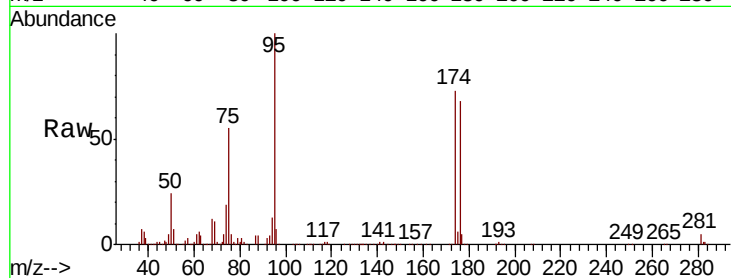
Tot Ion: 75 Resp: 69188

Ion Ratio Lower Upper

75 100

53 0.0 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

