

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011480.D
 Acq On : 24 Jul 2019 17:32
 Operator : SY/VA
 Sample : K3983-04
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:07:57 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	251014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119970	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	158364	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.88	113	126185	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.32	98	503268	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	149344	40.43	ug/l	0.00
Spiked Amount			Recovery	=	80.86%	

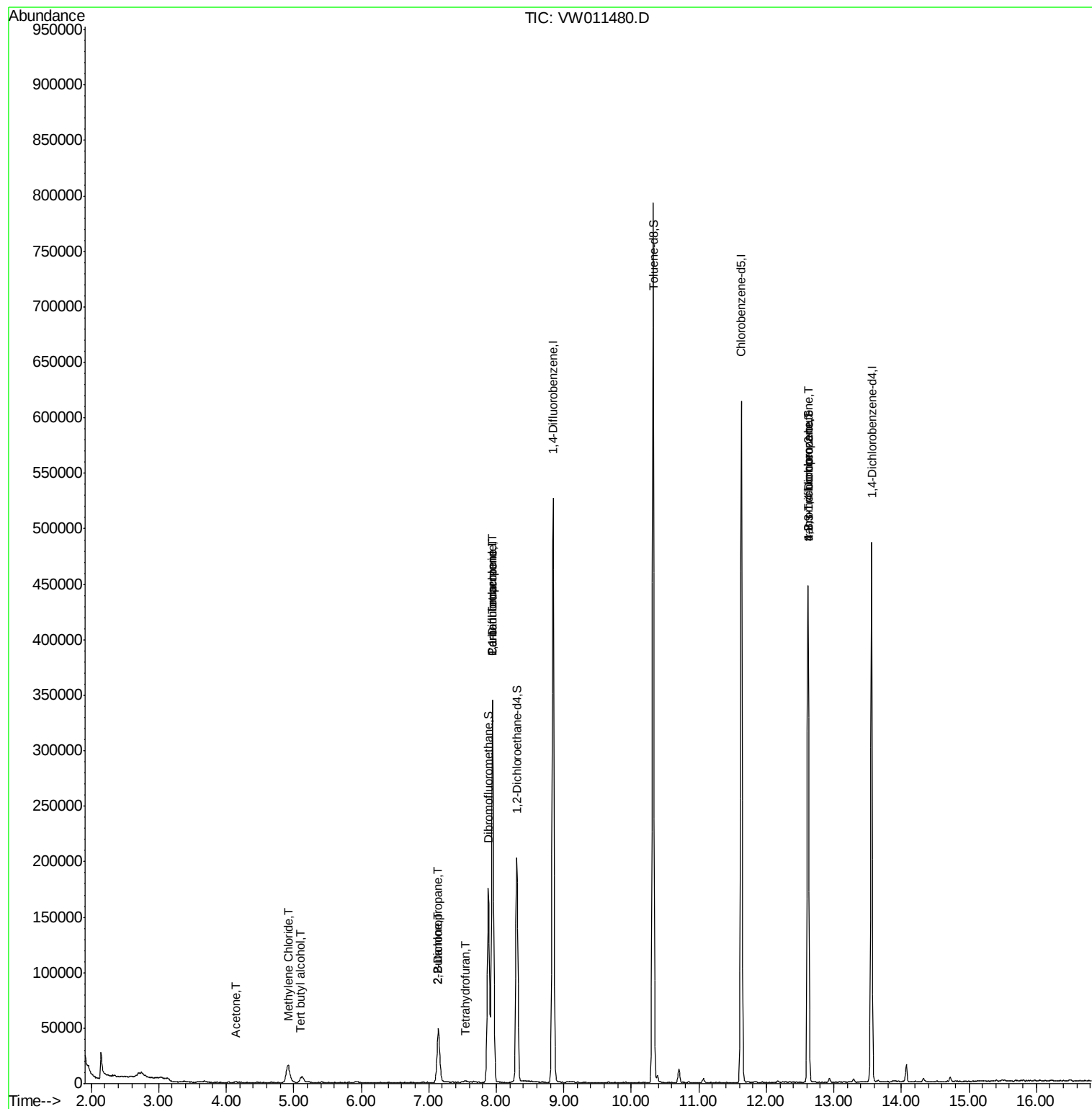
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	6073	26.007	ug/l #	72
16) Acetone	4.14	43	963	1.269	ug/l #	88
18) Methyl Acetate	4.65	43	131	Below Cal	#	57
20) Methylene Chloride	4.92	84	12804	4.277	ug/l	85
25) 2-Butanone	7.14	43	3188	2.676	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	3297	1.104	ug/l #	53
29) Tetrahydrofuran	7.54	42	1615	2.067	ug/l #	90
36) 1,1-Dichloropropene	7.95	75	21238	4.767	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24747	6.553	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	77373	55.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77373	126.228	ug/l #	6

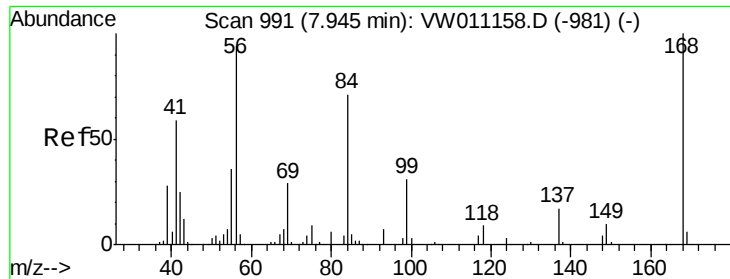
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072519\
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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: VW011480.D

Acq: 24 Jul 2019 17:32

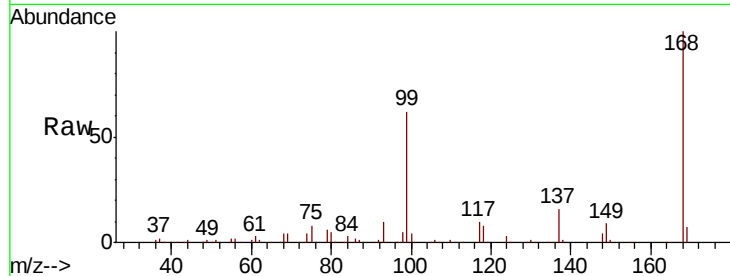
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 251014

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

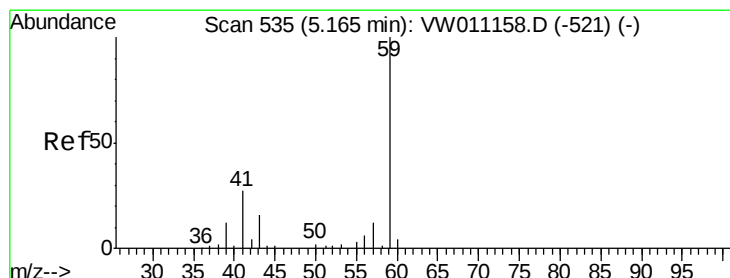
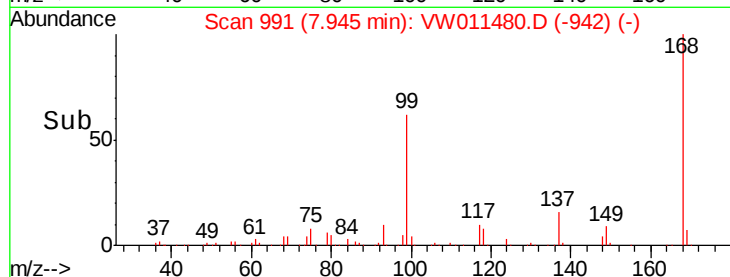
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 26.007 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.06 min

Lab File: VW011480.D

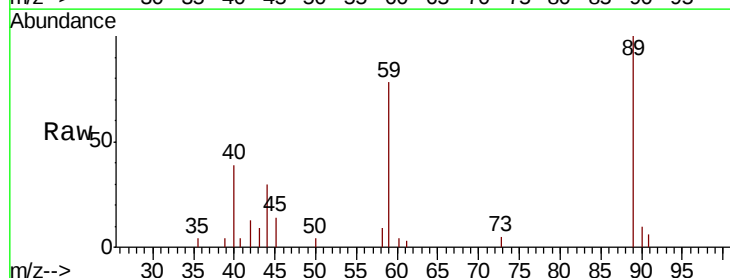
Acq: 24 Jul 2019 17:32

Tgt Ion: 59 Resp: 6073

Ion Ratio Lower Upper

59 100

57 0.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

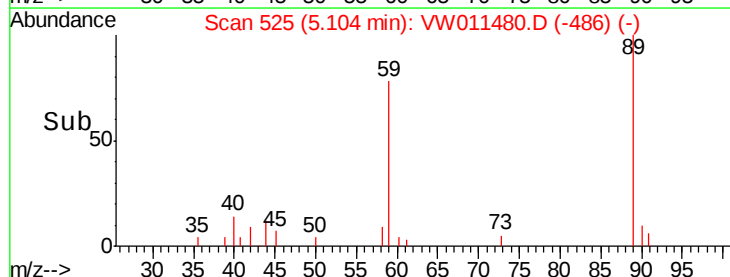
1500

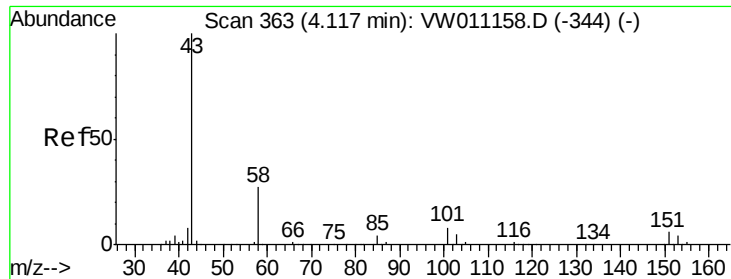
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 1.269 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011480.D

Acq: 24 Jul 2019 17:32

Instrument :

MSVOA_W

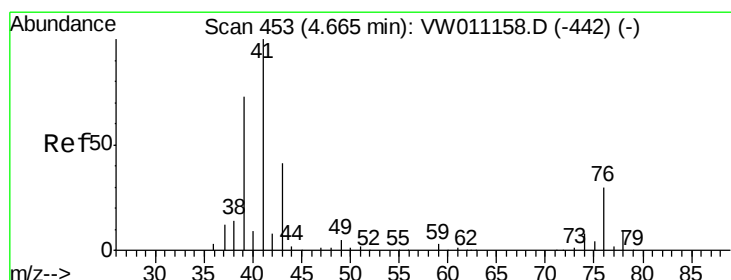
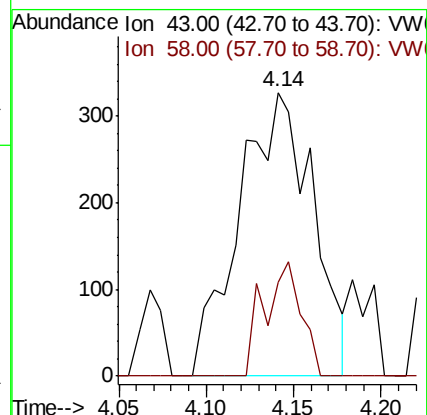
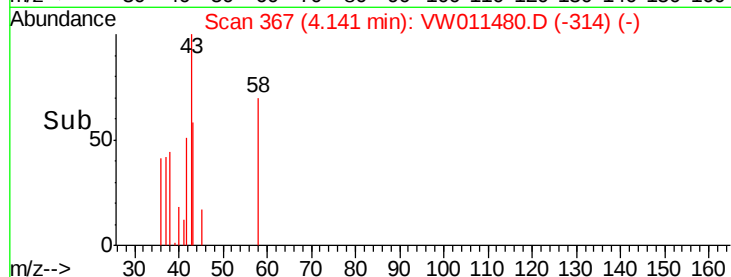
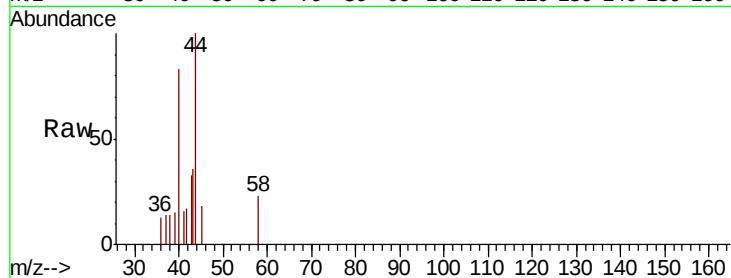
ClientSampled :

Tot Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 33.3 21.8 32.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011480.D

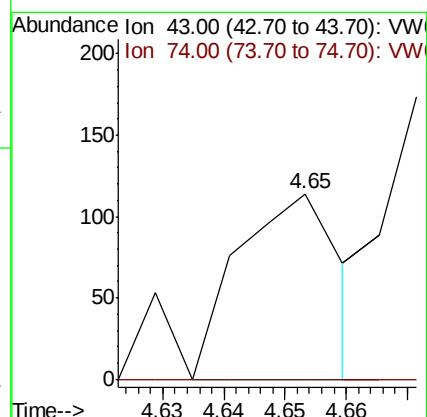
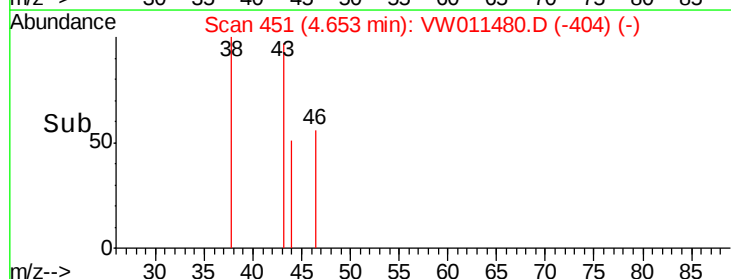
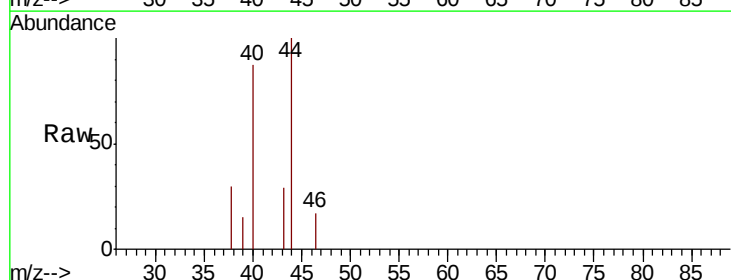
Acq: 24 Jul 2019 17:32

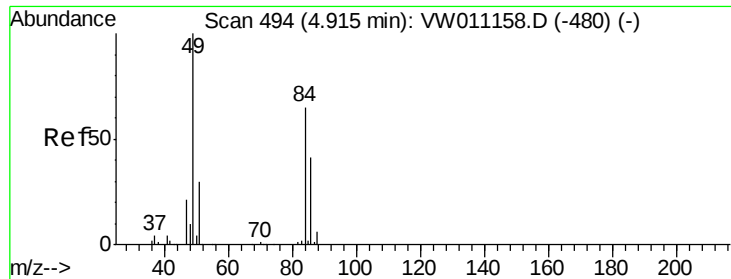
Tgt Ion: 43 Resp: 131

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

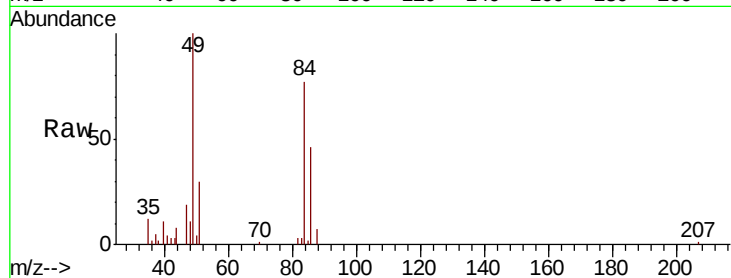




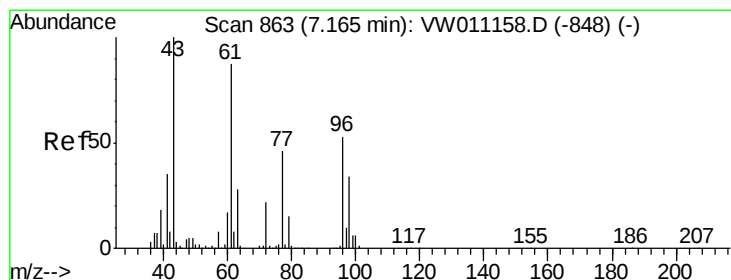
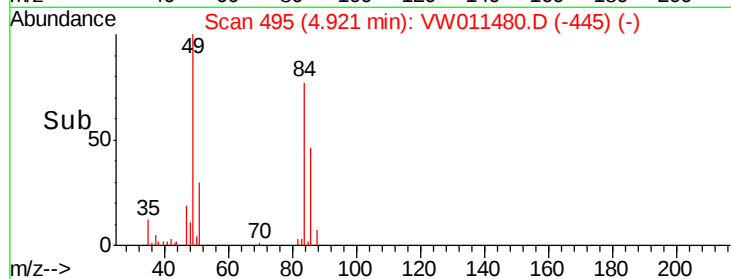
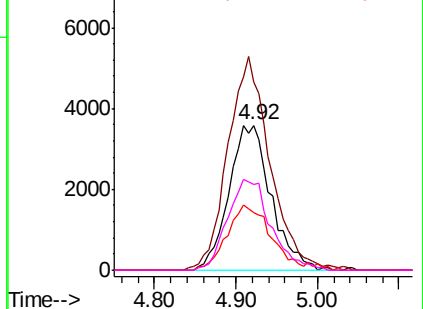
#20
Methvlene Chloride
Concen: 4.277 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 12804
Ion Ratio Lower Upper
84 100
49 128.2 123.8 185.6
51 39.4 37.4 56.2
86 59.5 51.1 76.7

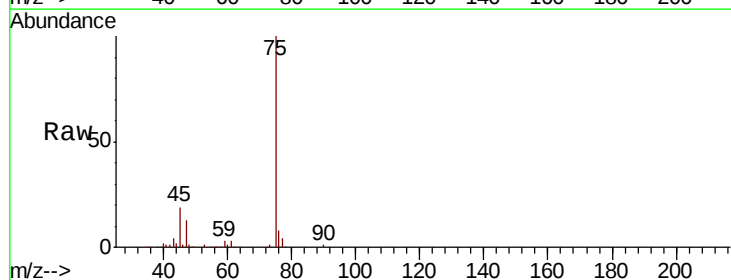


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

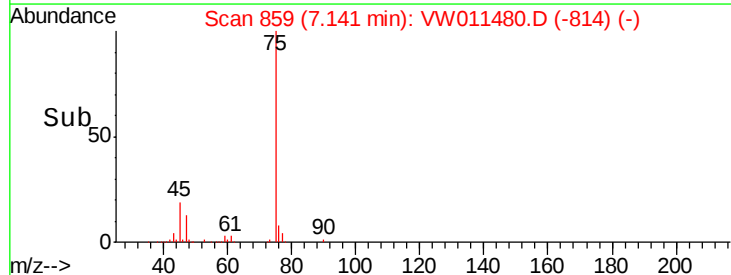
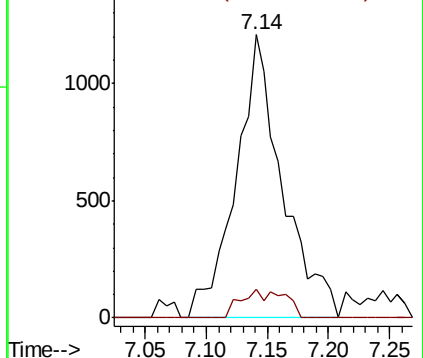


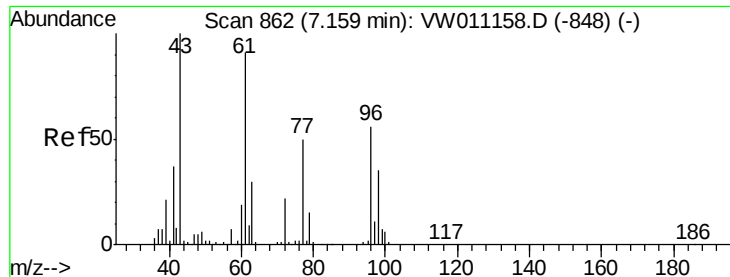
#25
2-Butanone
Concen: 2.676 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

Tgt Ion: 43 Resp: 3188
Ion Ratio Lower Upper
43 100
72 10.3 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

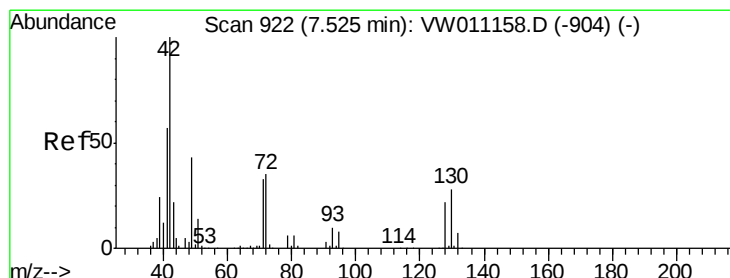
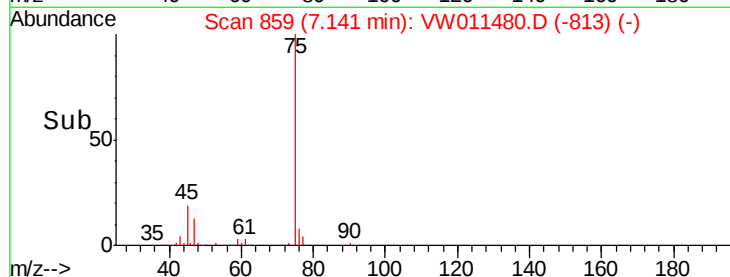
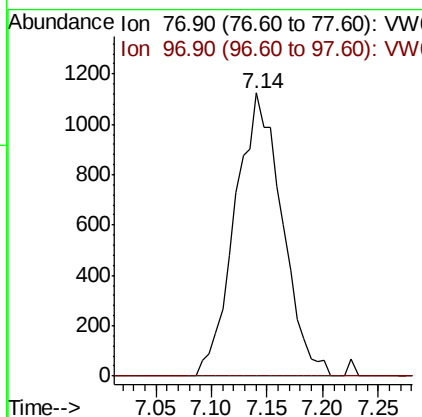
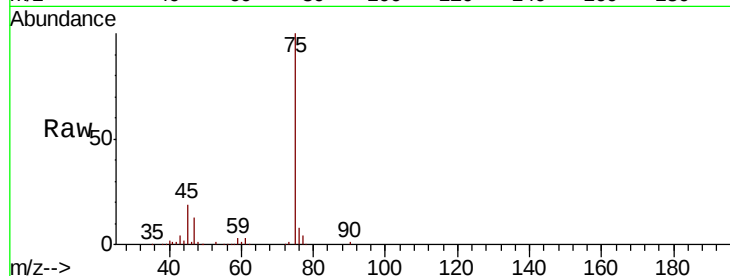




#26
 2,2-Dichloropropane
 Concen: 1.104 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

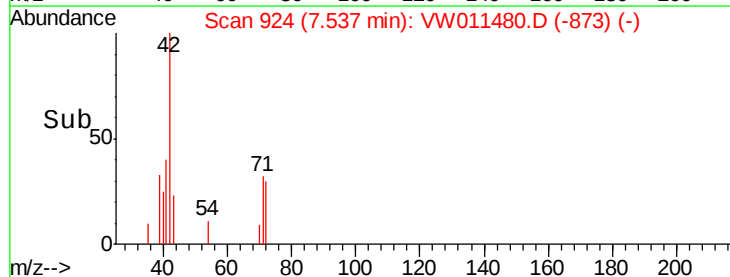
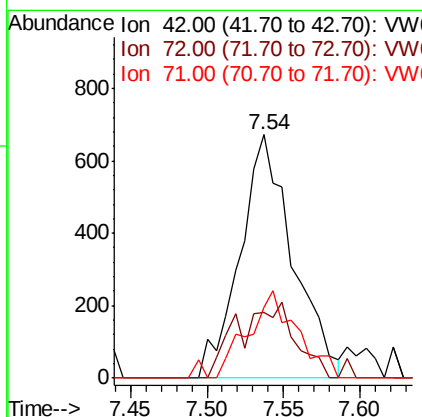
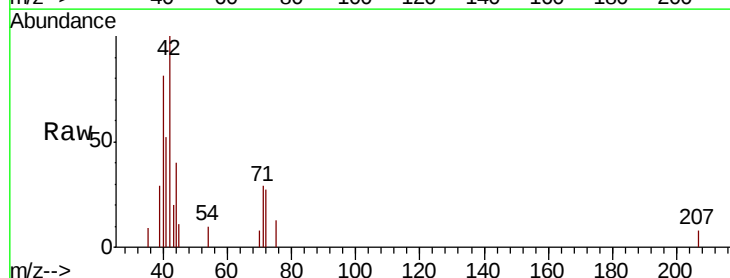
Instrument :
 MSVOA_W
 ClientSampled :

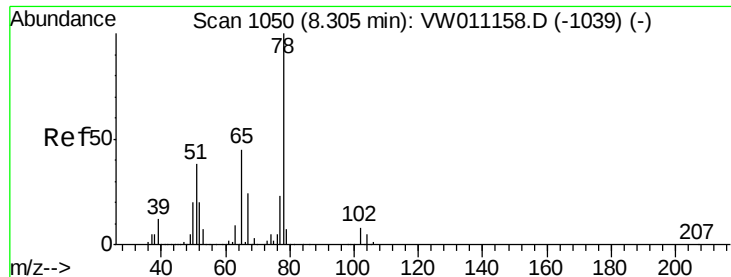
Tot Ion: 77 Resp: 3297
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 2.067 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

Tgt Ion: 42 Resp: 1615
 Ion Ratio Lower Upper
 42 100
 72 23.8 27.4 41.2#
 71 33.1 25.9 38.9

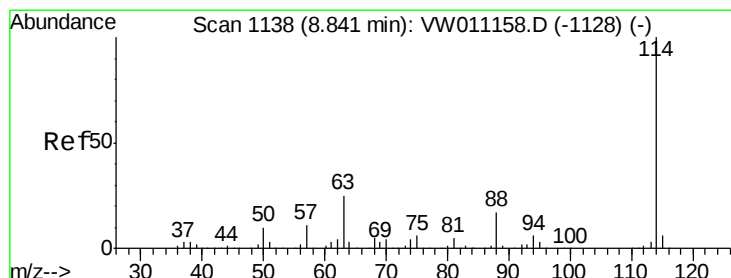
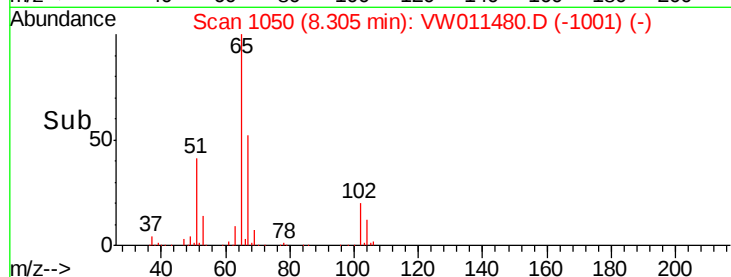
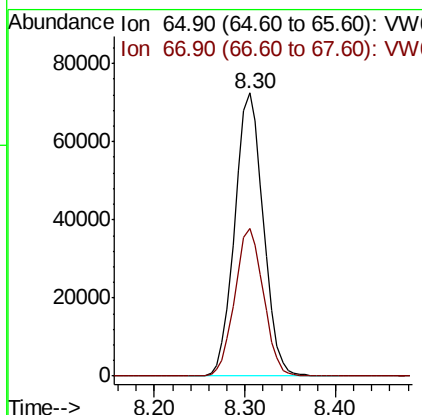
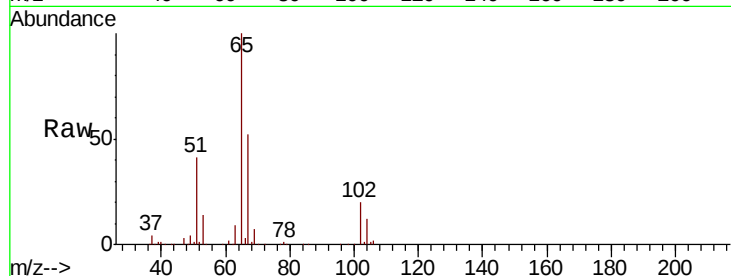




#33
 1,2-Dichloroethane-d4
 Concen: 50.209 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

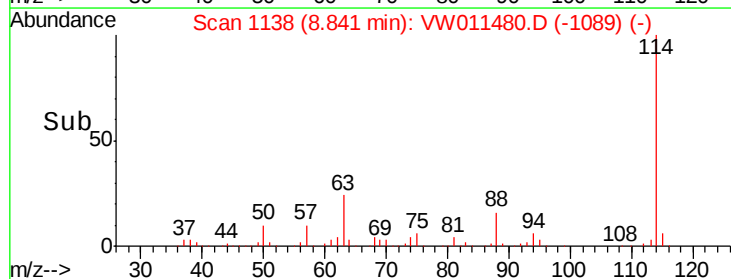
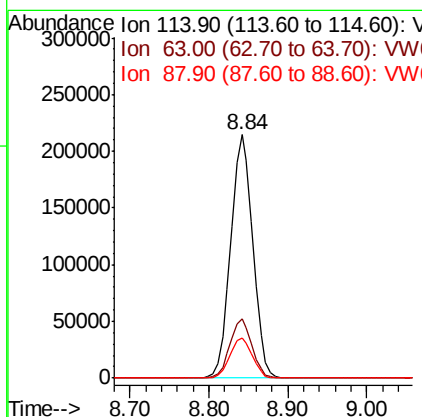
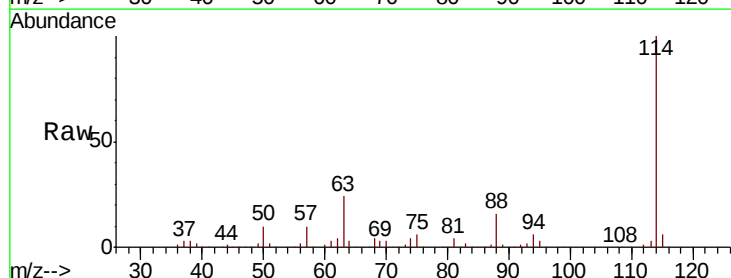
Instrument :
 MSVOA_W
 ClientSampleId :

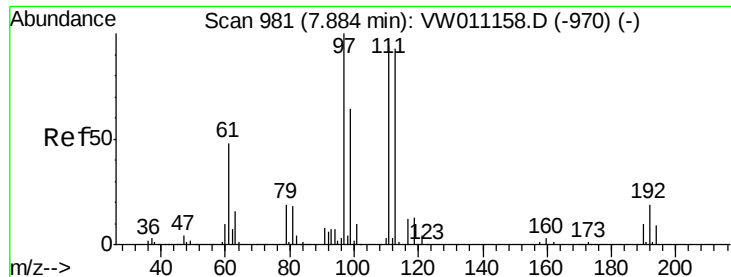
Tot Ion: 65 Resp: 158364
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

Tgt Ion: 114 Resp: 418324
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 16.3 0.0 34.2

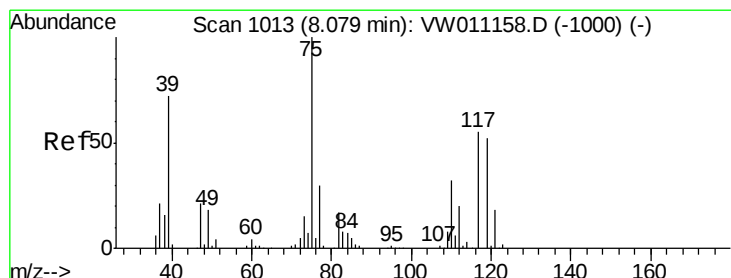
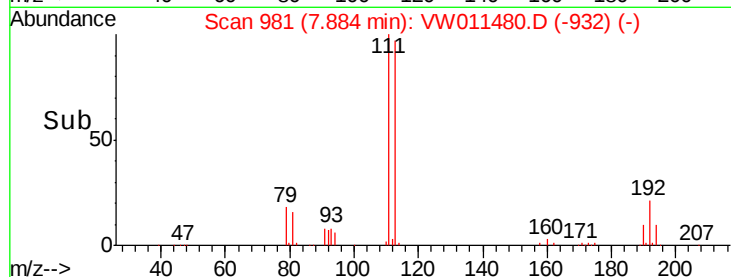
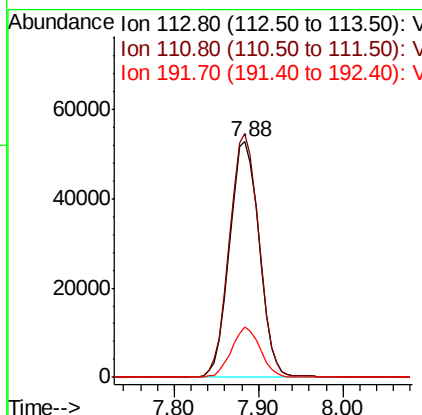
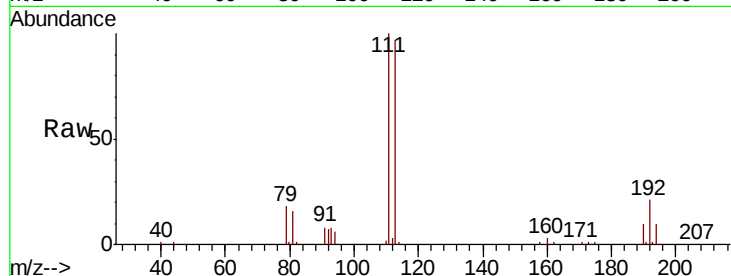




#35
 Dibromofluoromethane
 Concen: 50.608 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

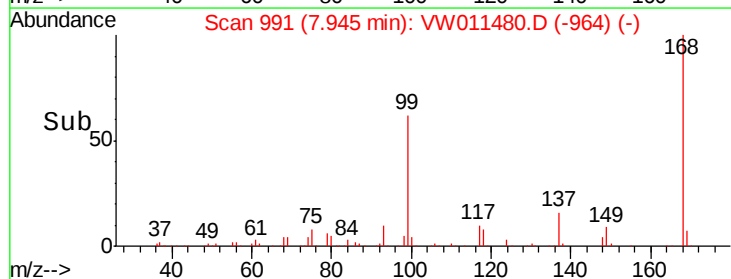
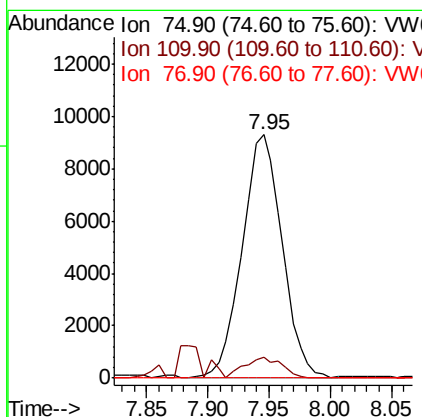
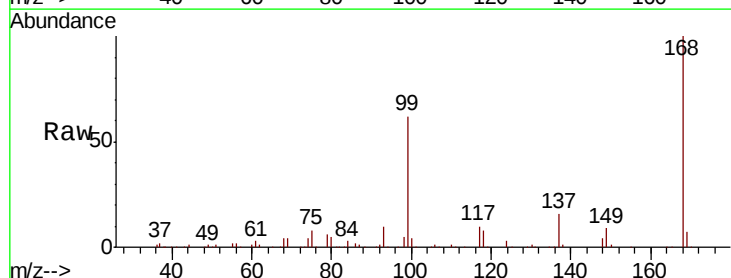
Instrument :
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 ClientSampleId :

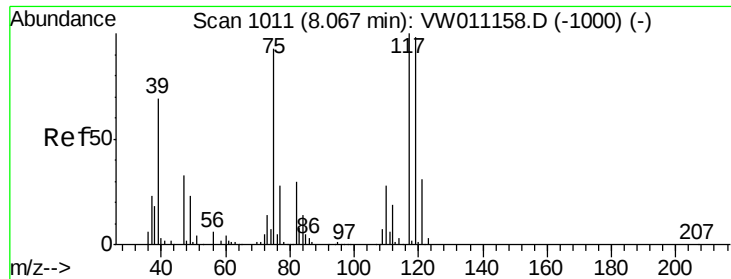
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	20.5	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.767 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011480.D
 Acq: 24 Jul 2019 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.9	47.6#
77	0.0	24.6	36.8#

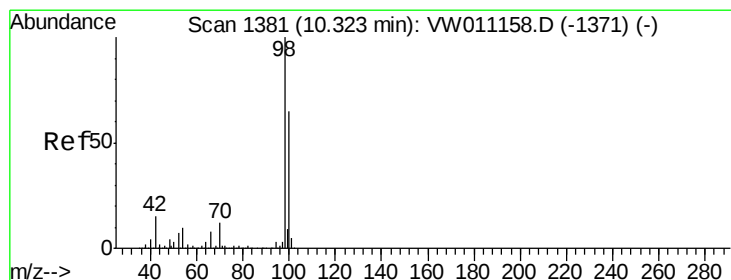
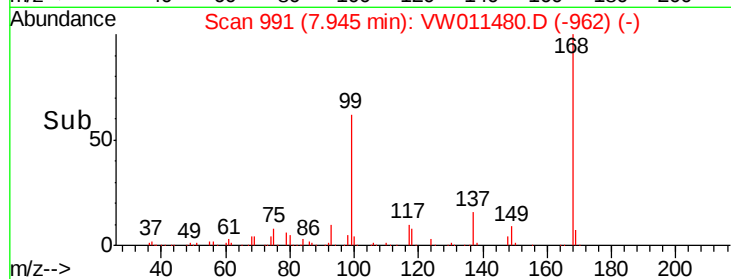
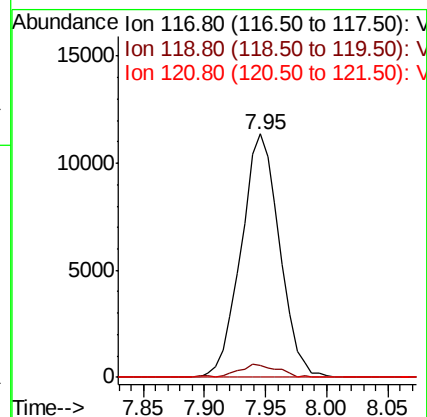
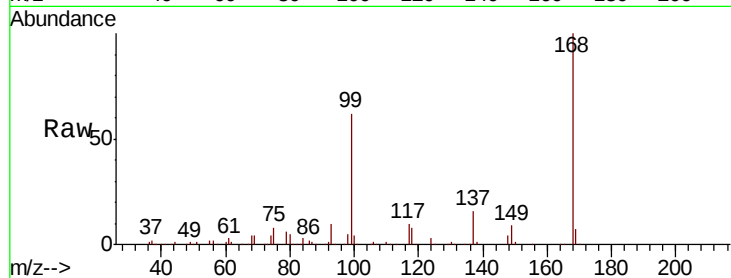




#38
Carbon Tetrachloride
Concen: 6.553 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

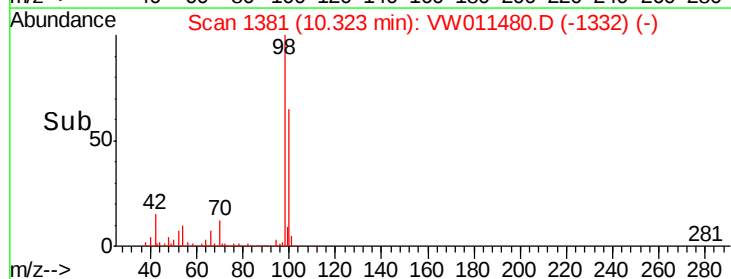
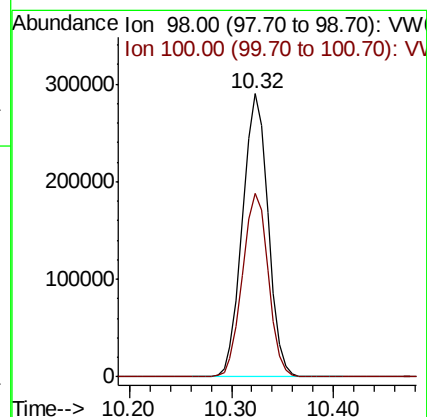
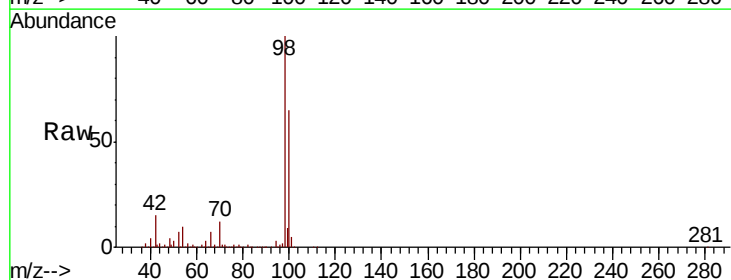
Instrument :
MSVOA_W
ClientSampled :

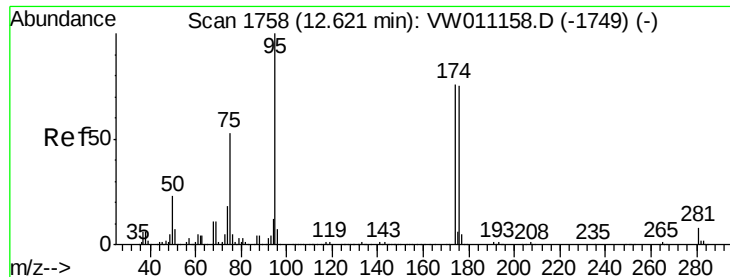
Tot Ion:117 Resp: 24747
Ion Ratio Lower Upper
117 100
119 4.8 78.1 117.1#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 49.934 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

Tgt Ion: 98 Resp: 503268
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

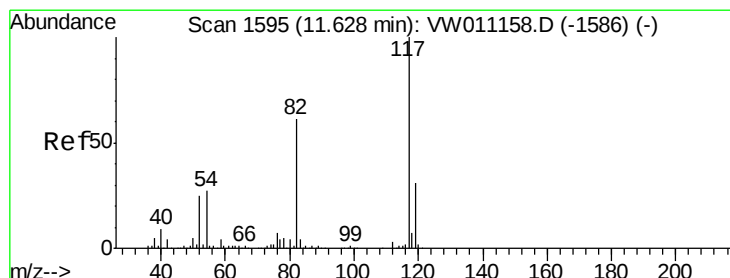
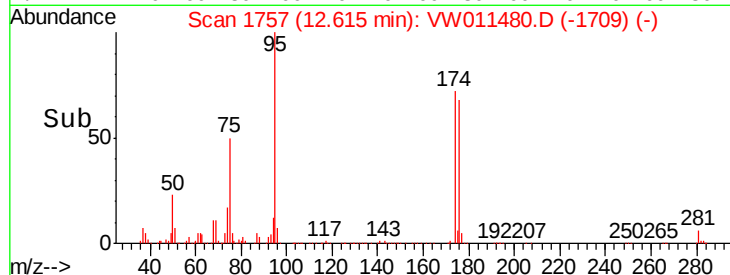
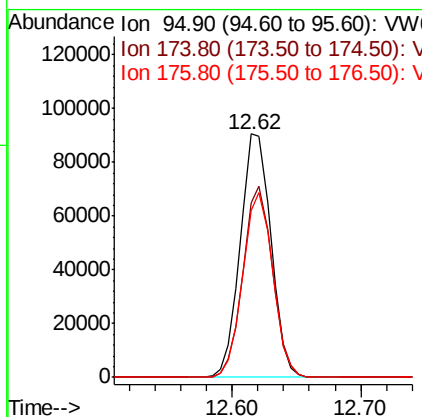
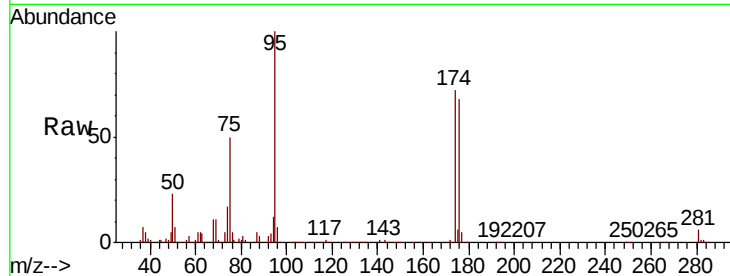




#62
4-Bromofluorobenzene
Concen: 40.427 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

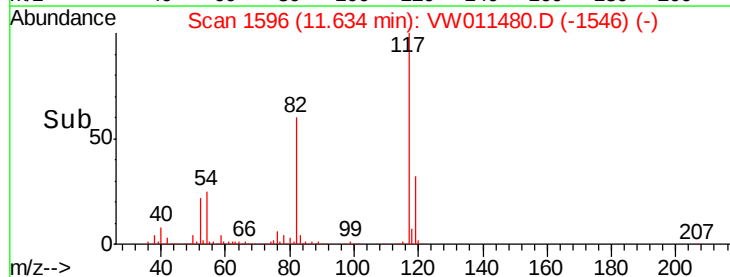
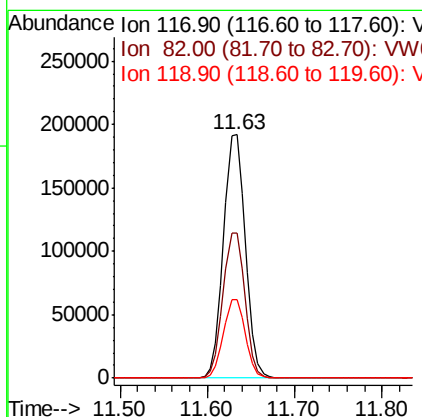
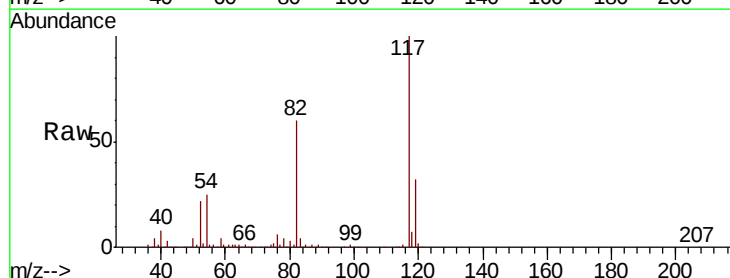
Instrument :
MSVOA_W
ClientSampleId :

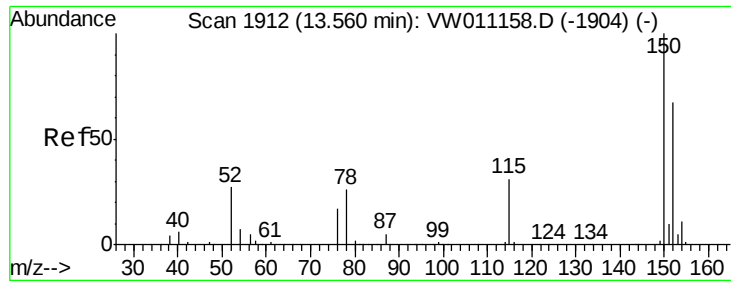
Tot Ion: 95 Resp: 149344
Ion Ratio Lower Upper
95 100
174 75.7 0.0 147.6
176 73.9 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011480.D
Acq: 24 Jul 2019 17:32

Tgt Ion: 117 Resp: 333418
Ion Ratio Lower Upper
117 100
82 59.7 48.9 73.3
119 32.2 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011480.D

Acq: 24 Jul 2019 17:32

Instrument :

MSVOA_W

ClientSampleId :

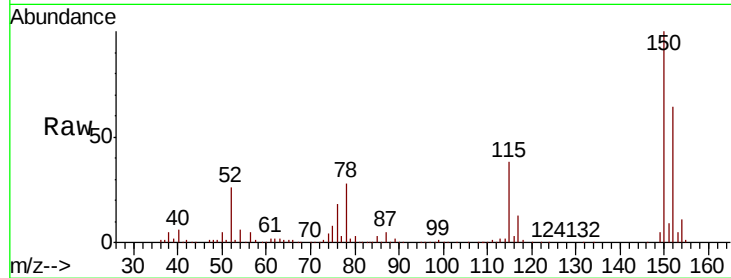
Tot Ion:152 Resp: 119970

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

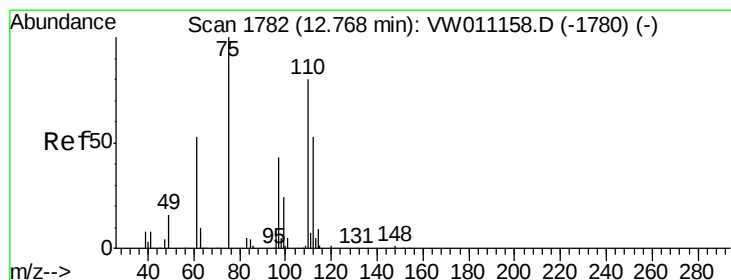
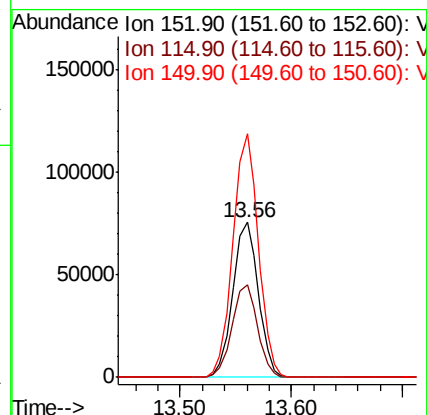
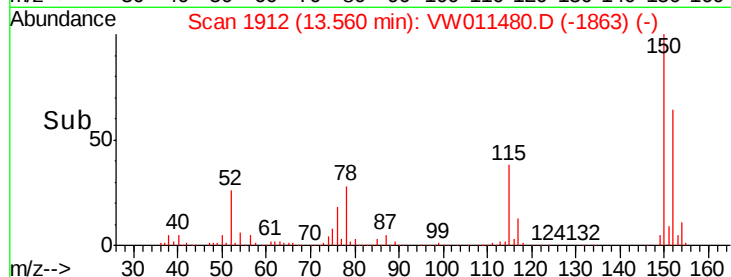
150 156.5 0.0 346.0



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: 55.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011480.D

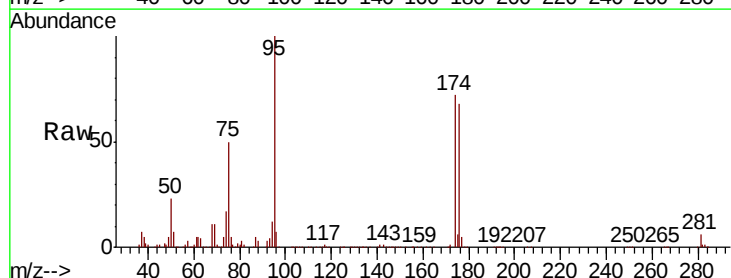
Acq: 24 Jul 2019 17:32

Tgt Ion: 75 Resp: 77373

Ion Ratio Lower Upper

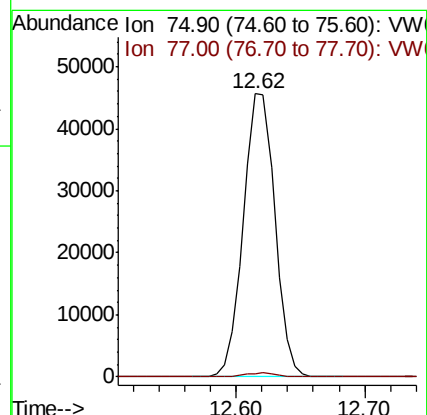
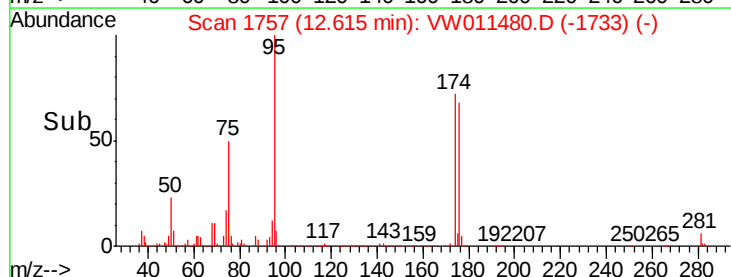
75 100

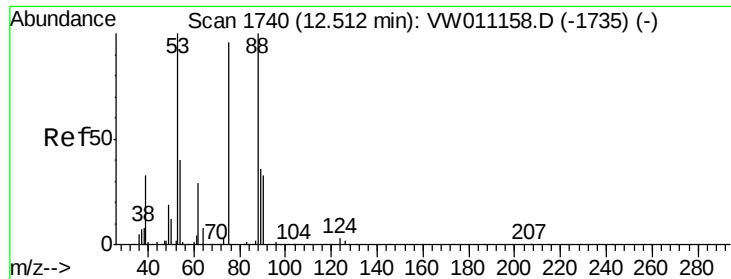
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 126.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011480.D

Acq: 24 Jul 2019 17:32

Instrument :

MSVOA_W

ClientSampleId :

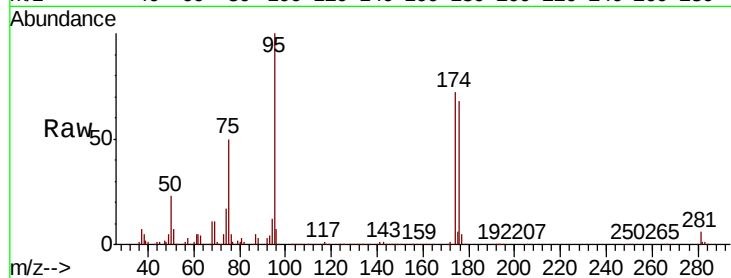
Tot Ion: 75 Resp: 77373

Ion Ratio Lower Upper

75 100

53 0.1 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

