

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011468.D
 Acq On : 24 Jul 2019 12:14
 Operator : SY/VA
 Sample : K3936-01
 Misc : 7.10G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:05:04 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	261186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148939	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	159951	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	7.88	113	129165	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.32	98	523714	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	171765	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

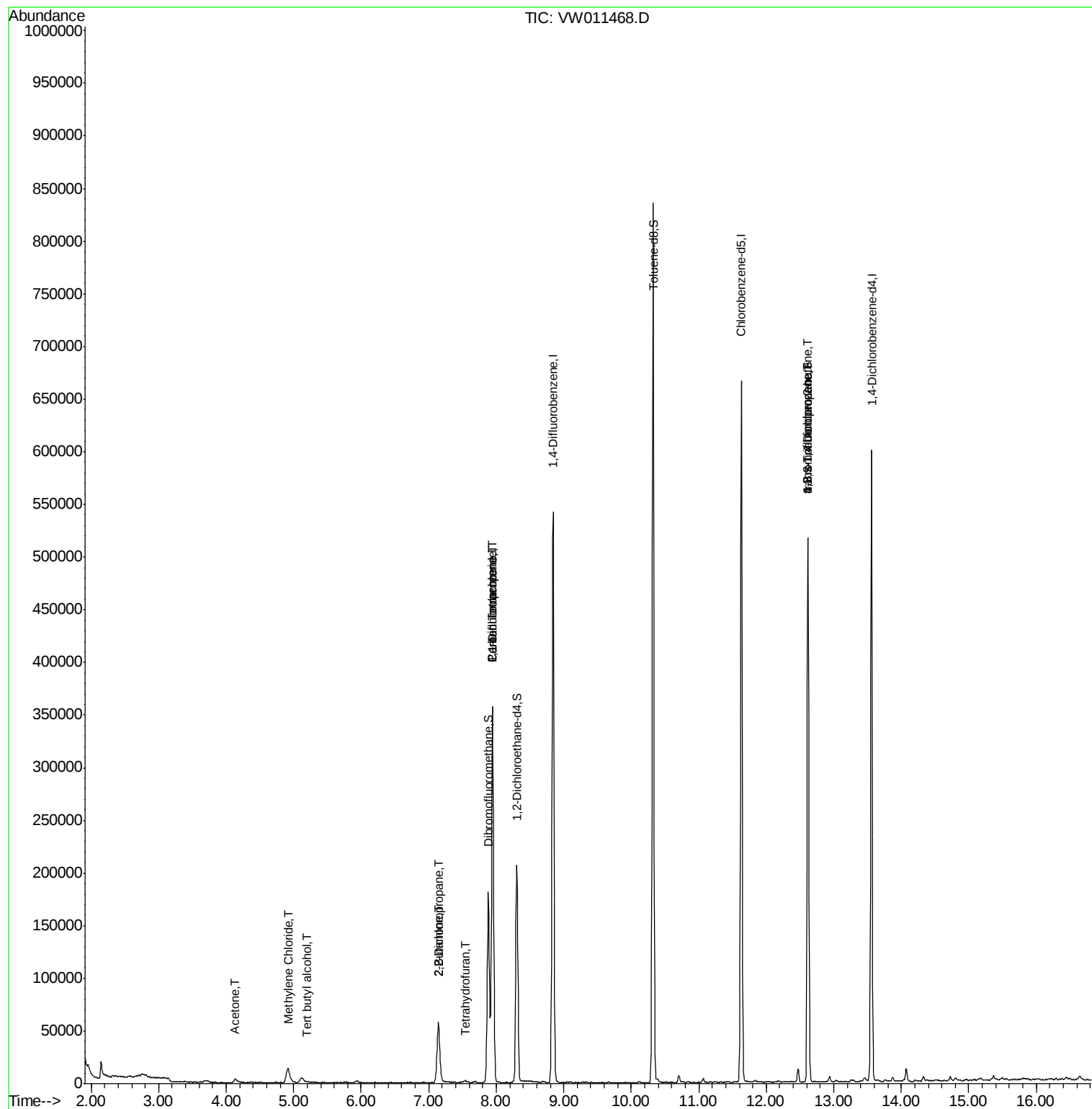
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	644	2.650	ug/l #	88
16) Acetone	4.14	43	6806	8.619	ug/l #	87
18) Methyl Acetate	4.67	43	258	Below Cal	#	57
20) Methylene Chloride	4.92	84	10757	3.453	ug/l	95
25) 2-Butanone	7.15	43	4093	3.302	ug/l	98
26) 2,2-Dichloropropane	7.14	77	4210	1.355	ug/l #	53
29) Tetrahydrofuran	7.54	42	1631	2.007	ug/l #	92
36) 1,1-Dichloropropene	7.95	75	21662	4.699	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25813	6.605	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	89657	52.090	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89657	117.819	ug/l #	6

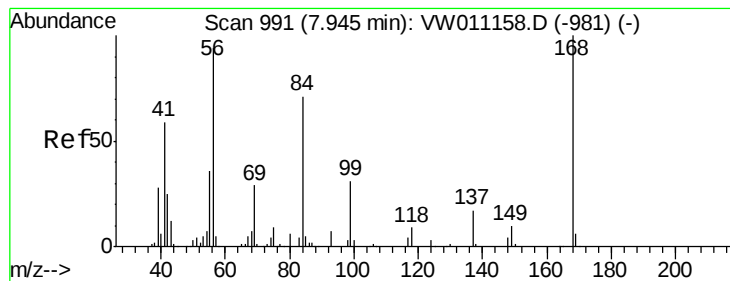
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 25 04:05:04 2019
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: VW011468.D

Acq: 24 Jul 2019 12:14

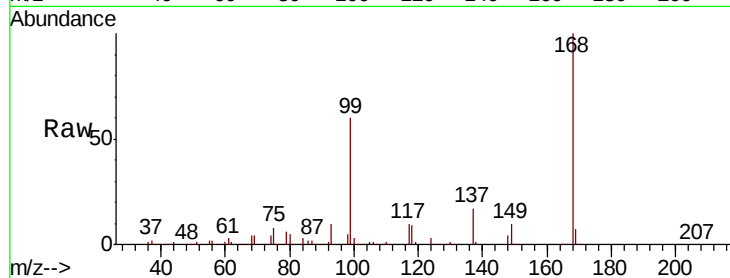
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 261186

Ion Ratio Lower Upper

168 100

99 60.1 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

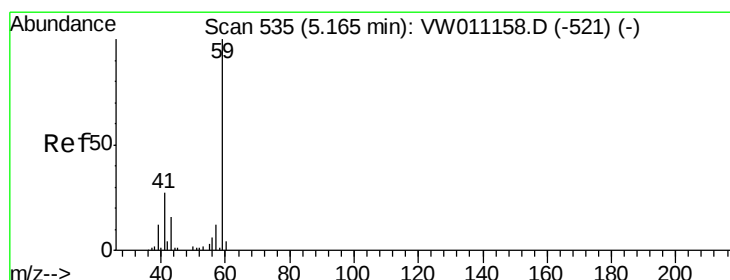
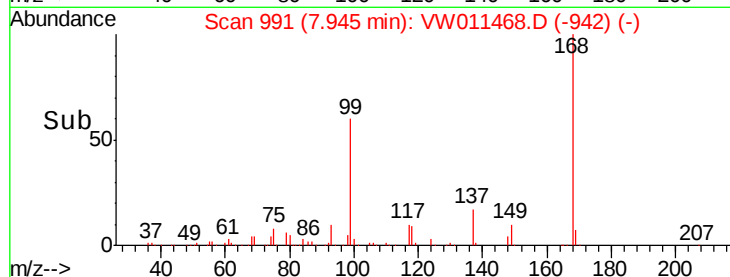
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 2.650 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.03 min

Lab File: VW011468.D

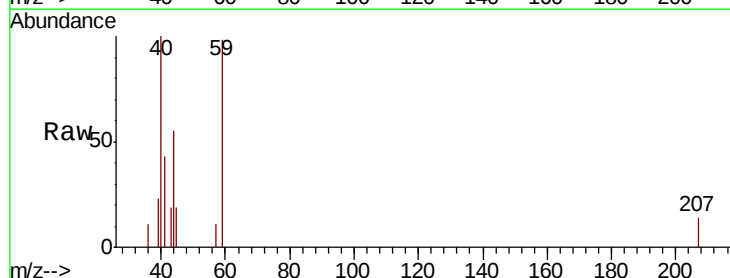
Acq: 24 Jul 2019 12:14

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

59 100

57 6.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

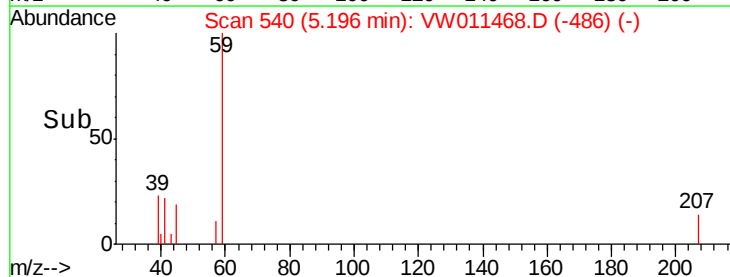
600

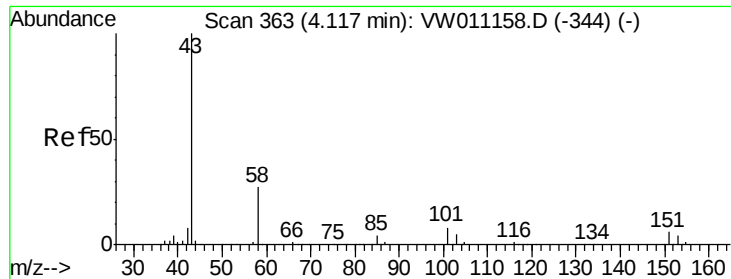
400

200

0

Time--> 5.20 5.25





#16

Acetone

Concen: 8.619 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

Instrument :

MSVOA_W

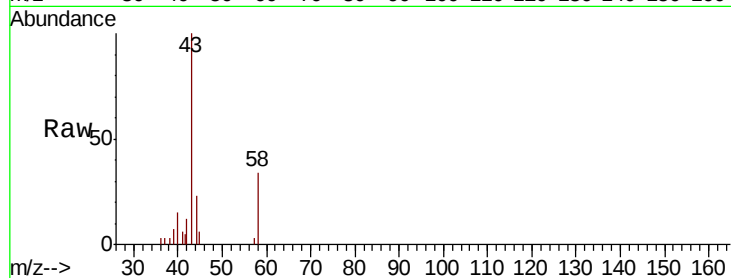
ClientSampled :

Tot Ion: 43 Resp: 6806

Ion Ratio Lower Upper

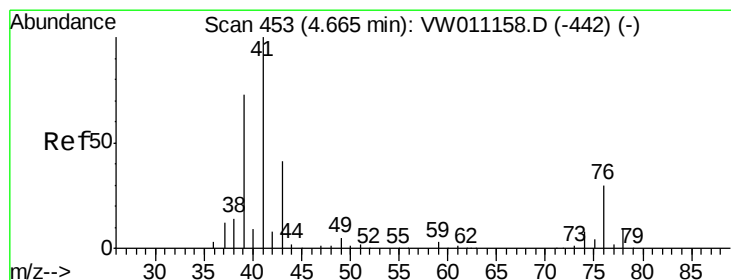
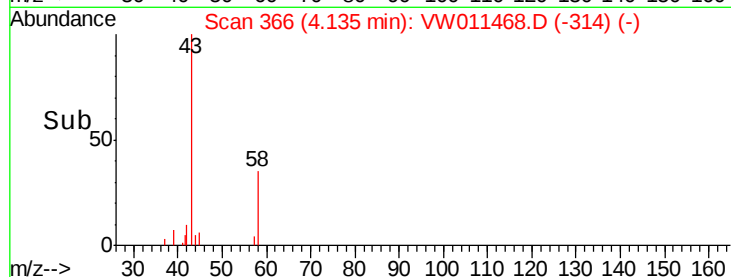
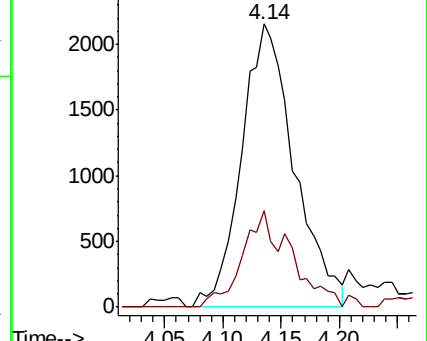
43 100

58 34.1 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011468.D

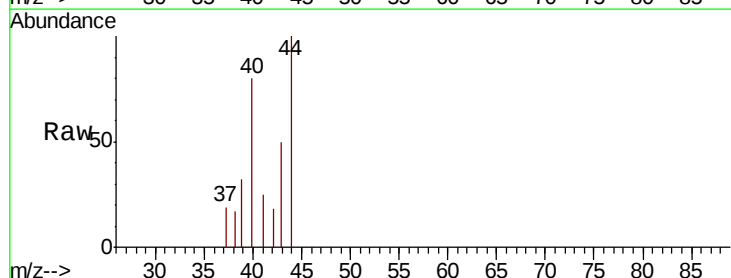
Acq: 24 Jul 2019 12:14

Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

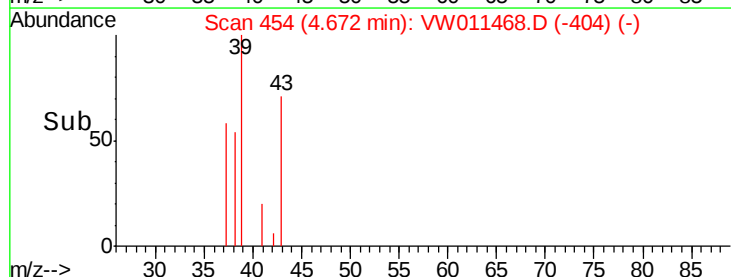
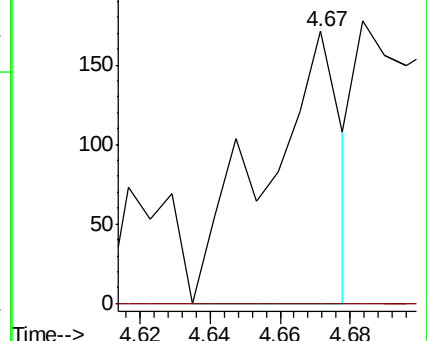
43 100

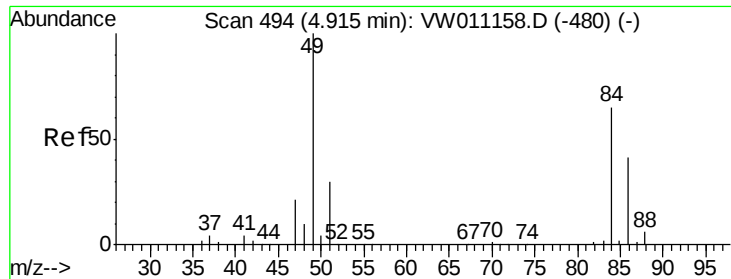
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

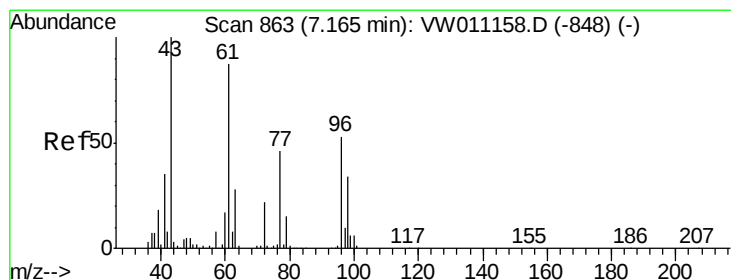
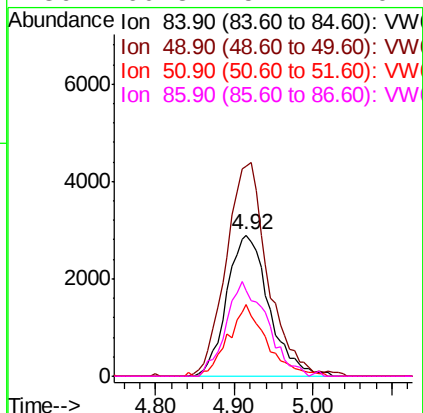
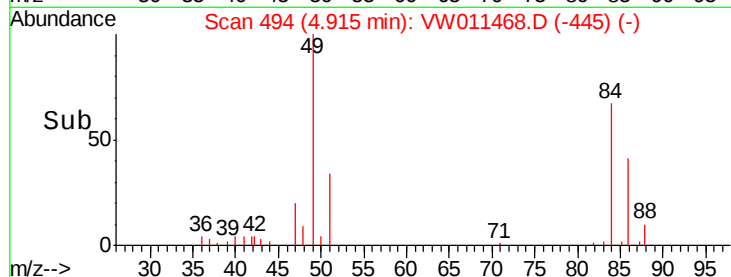
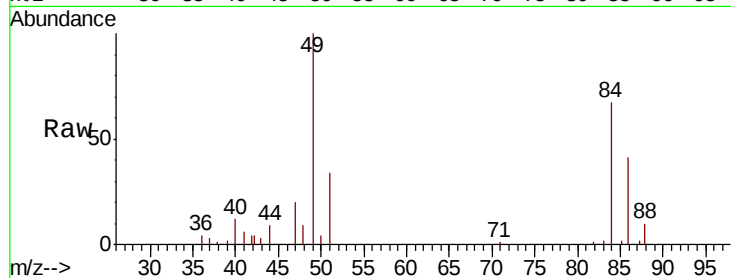




#20
Methvlene Chloride
Concen: 3.453 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

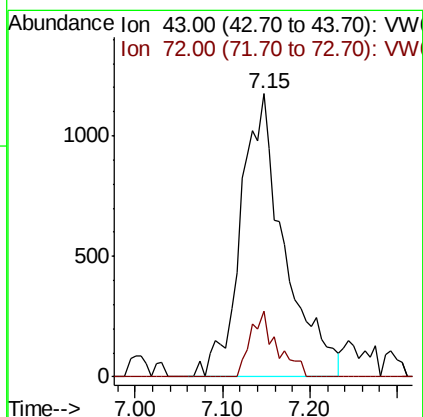
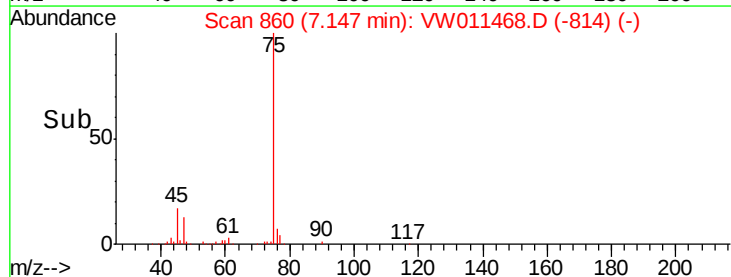
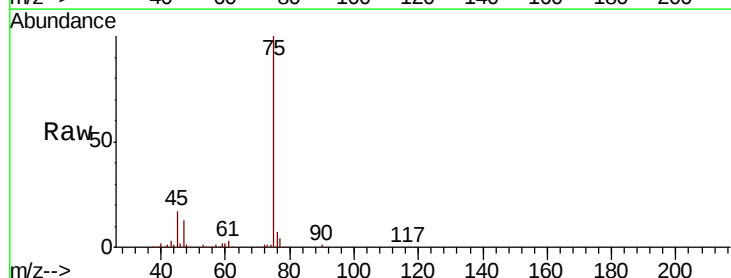
Instrument :
MSVOA_W
ClientSampled :

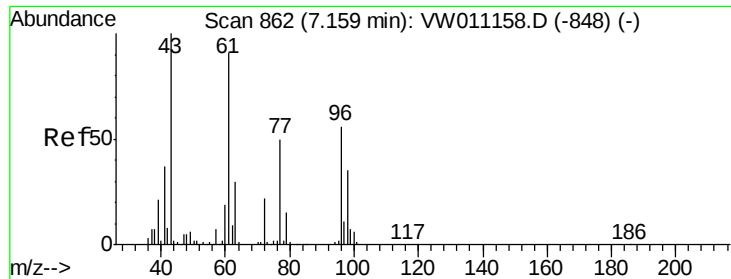
Tot Ion: 84 Resp: 10757
Ion Ratio Lower Upper
84 100
49 148.8 123.8 185.6
51 50.7 37.4 56.2
86 60.8 51.1 76.7



#25
2-Butanone
Concen: 3.302 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

Tgt Ion: 43 Resp: 4093
Ion Ratio Lower Upper
43 100
72 23.2 17.6 26.4





#26

2,2-Dichloropropane

Concen: 1.355 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

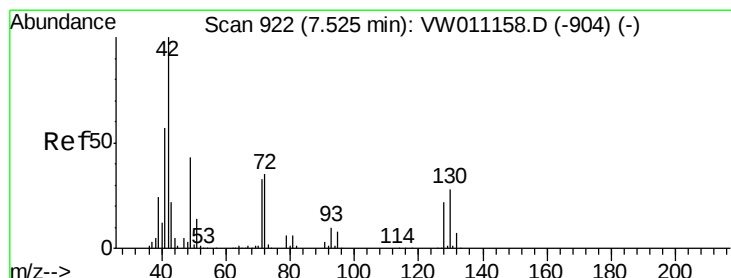
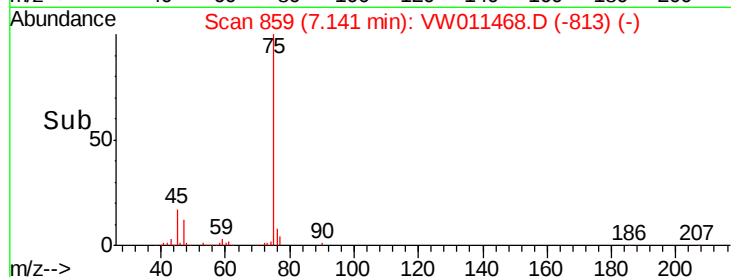
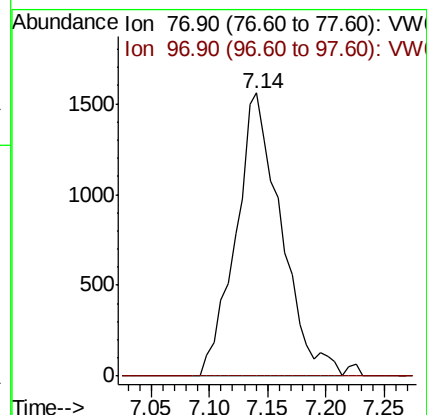
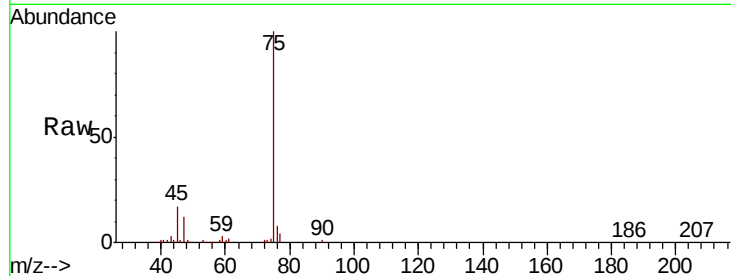
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 4210

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#29

Tetrahydrofuran

Concen: 2.007 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

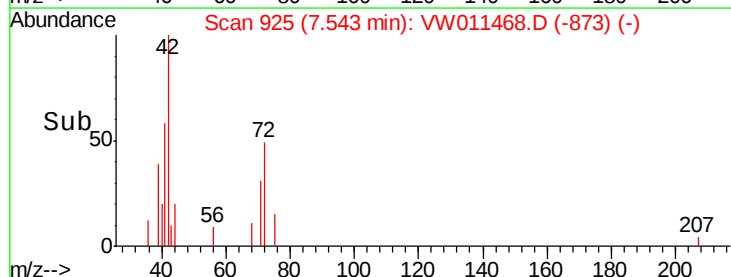
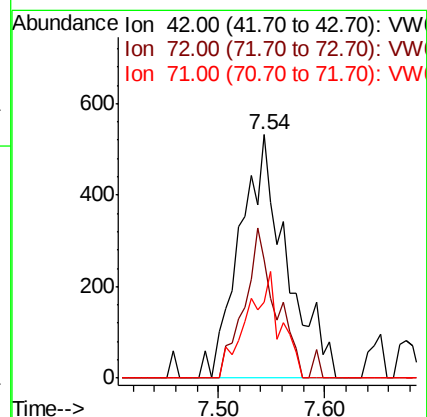
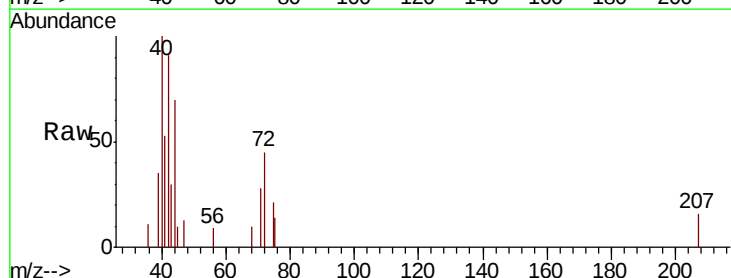
Tgt Ion: 42 Resp: 1631

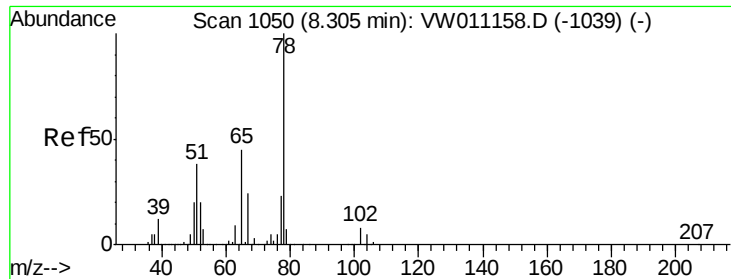
Ion Ratio Lower Upper

42 100

72 41.9 27.4 41.2#

71 31.5 25.9 38.9

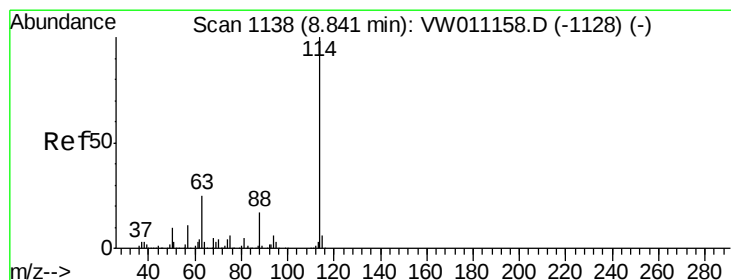
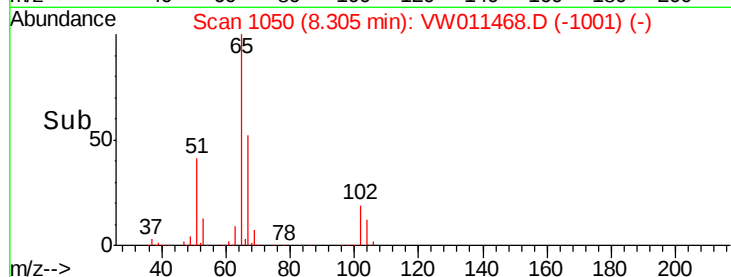
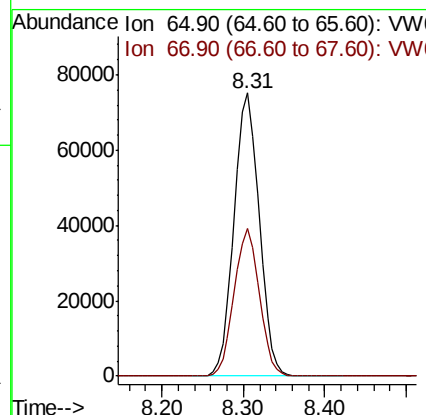
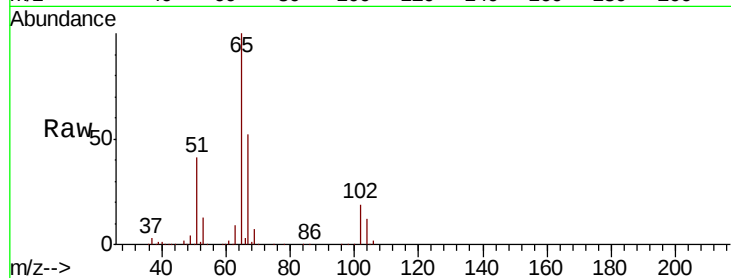




#33
 1,2-Dichloroethane-d4
 Concen: 48.737 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011468.D
 Acq: 24 Jul 2019 12:14

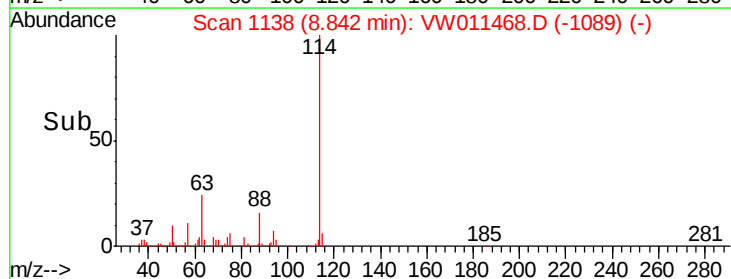
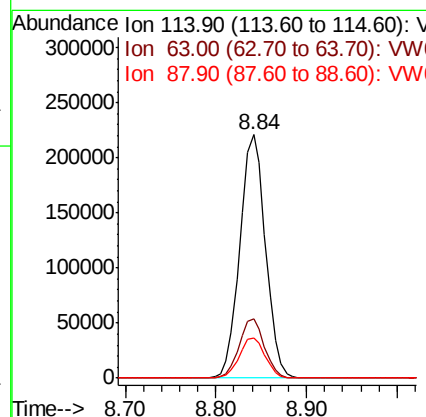
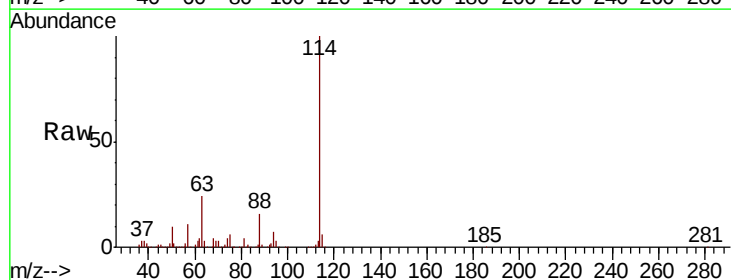
Instrument :
 MSVOA_W
 ClientSampleId :

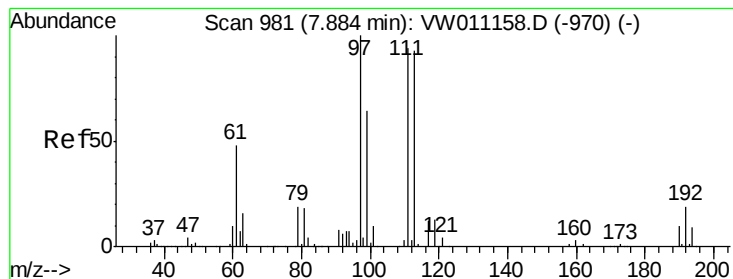
Tot Ion: 65 Resp: 159951
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011468.D
 Acq: 24 Jul 2019 12:14

Tgt Ion: 114 Resp: 432884
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.060 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

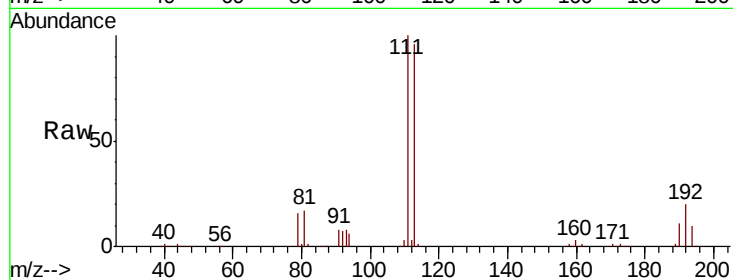
Tot Ion:113 Resp: 129165

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

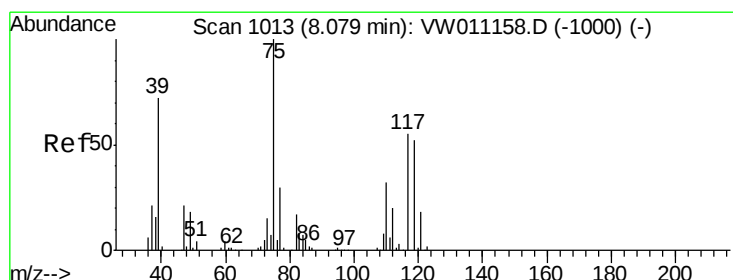
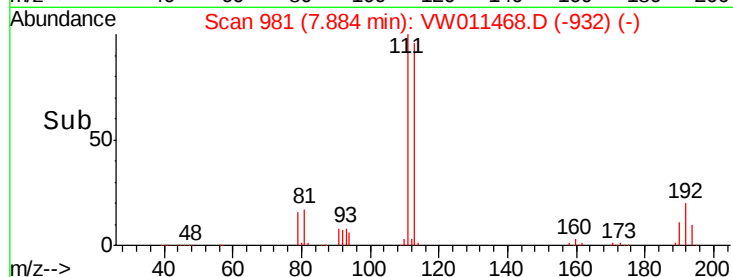
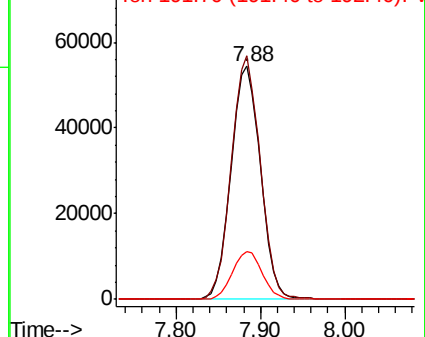
192 20.6 15.8 23.8



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: 4.699 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

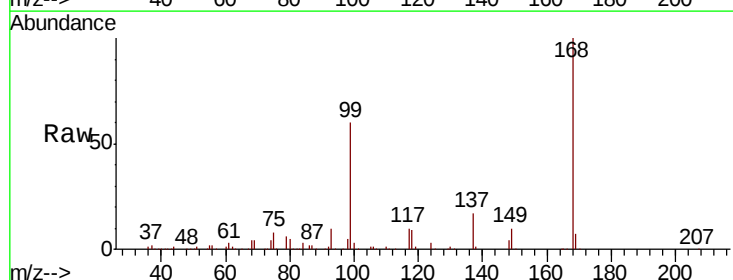
Tgt Ion: 75 Resp: 21662

Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.6#

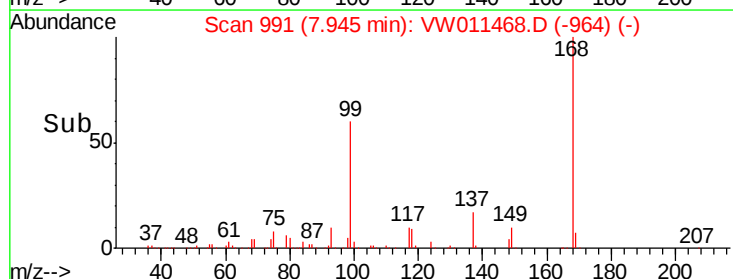
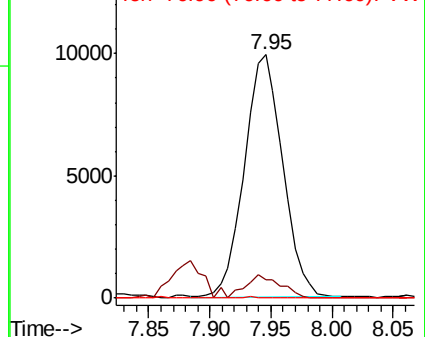
77 0.1 24.6 36.8#

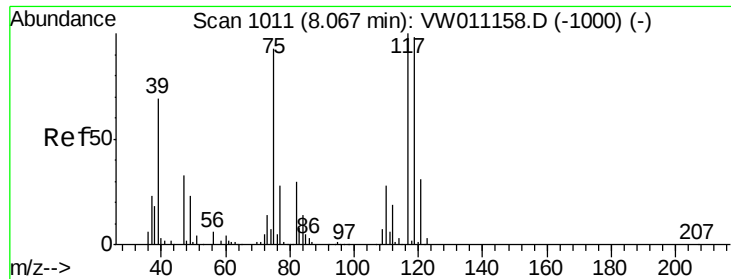


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

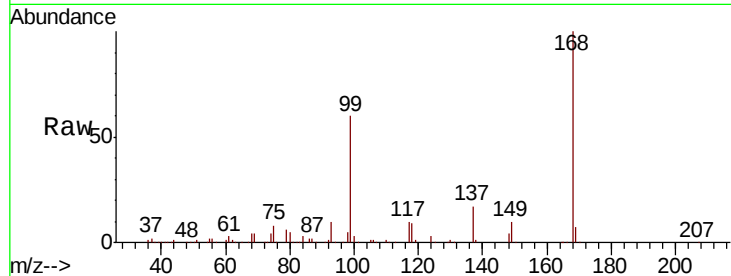




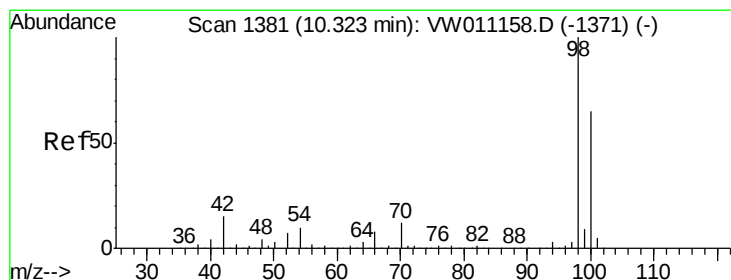
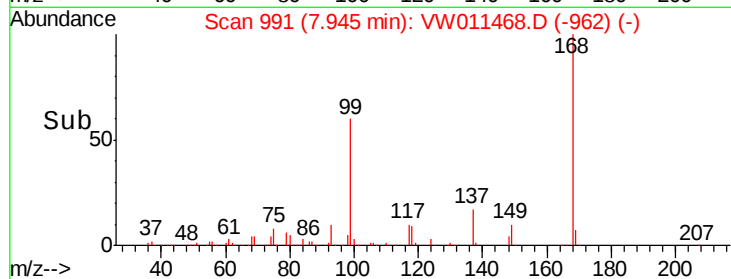
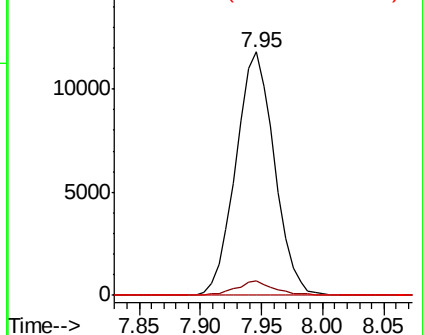
#38
Carbon Tetrachloride
Concen: 6.605 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 25813
Ion Ratio Lower Upper
117 100
119 6.2 78.1 117.1#
121 0.0 25.1 37.7#

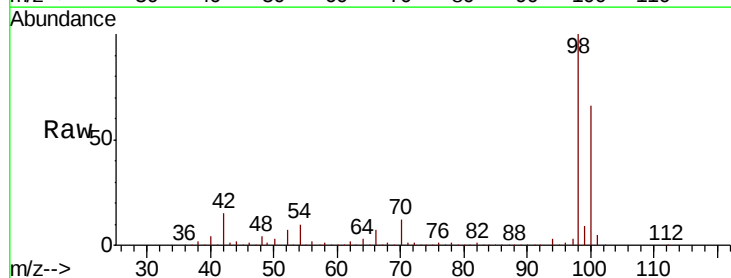


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

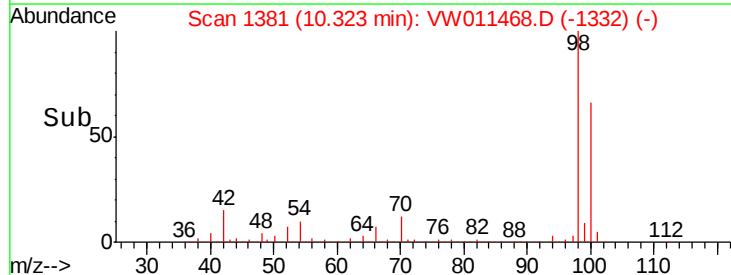
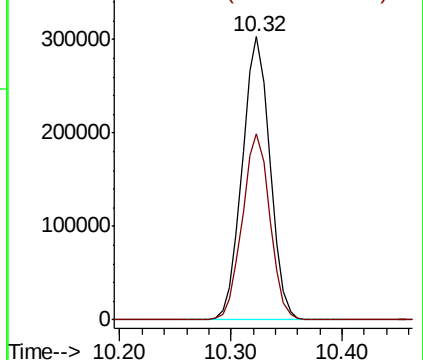


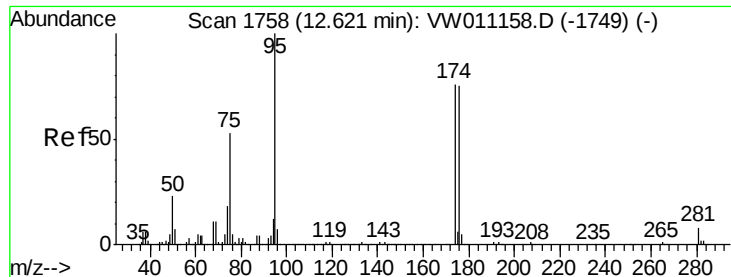
#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

Tgt Ion: 98 Resp: 523714
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

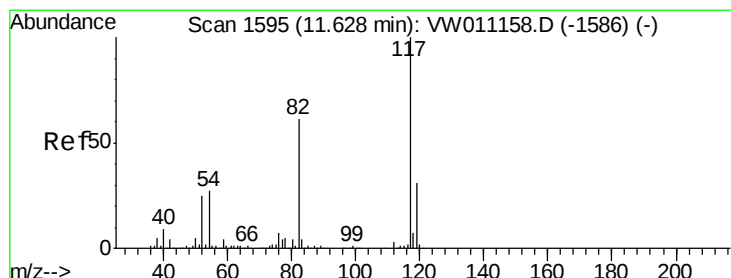
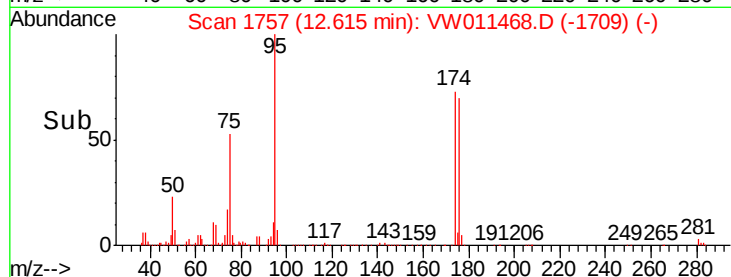
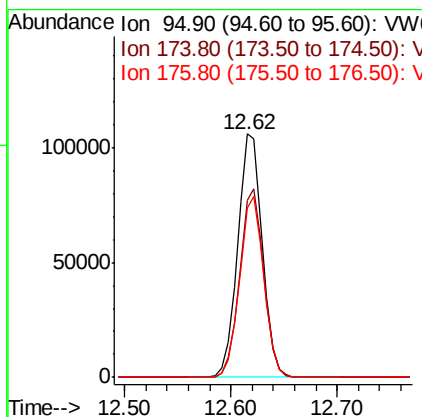
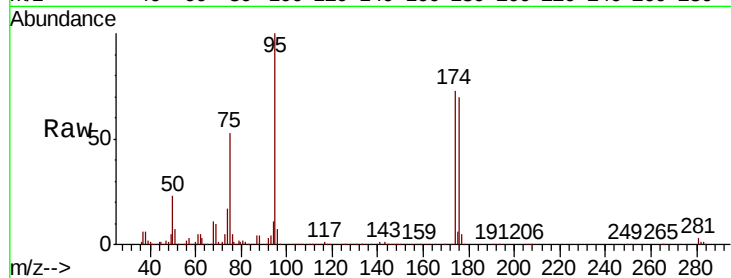




#62
4-Bromofluorobenzene
Concen: 44.932 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

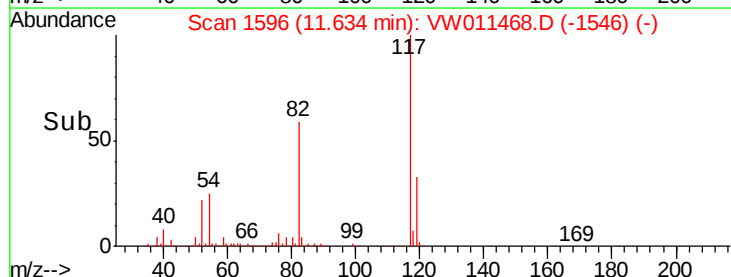
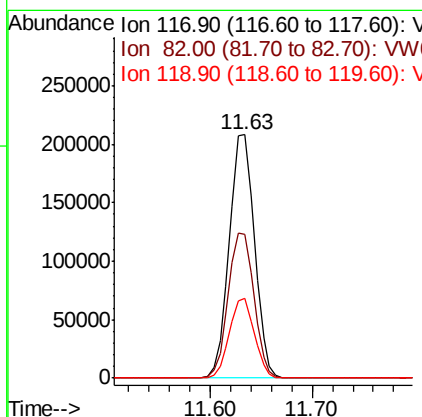
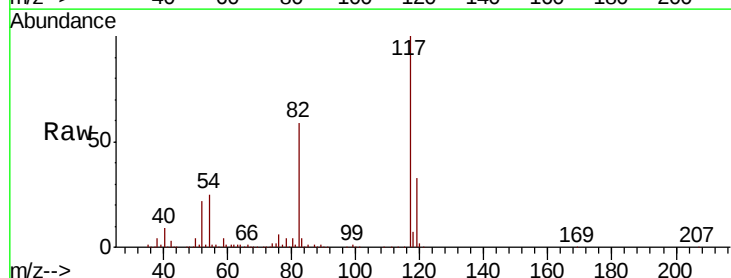
Instrument :
MSVOA_W
ClientSampleId :

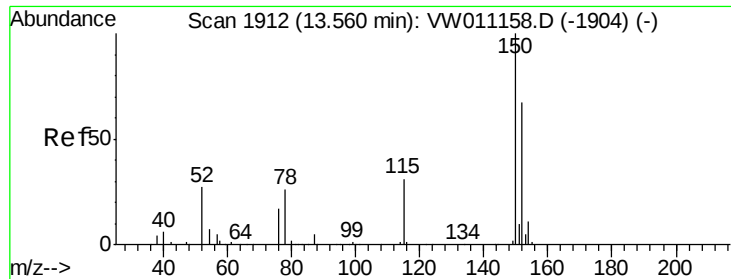
Tot Ion: 95 Resp: 171765
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.6
176 73.0 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011468.D
Acq: 24 Jul 2019 12:14

Tgt Ion: 117 Resp: 356741
Ion Ratio Lower Upper
117 100
82 59.2 48.9 73.3
119 32.7 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: VW011468.D

Acq: 24 Jul 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

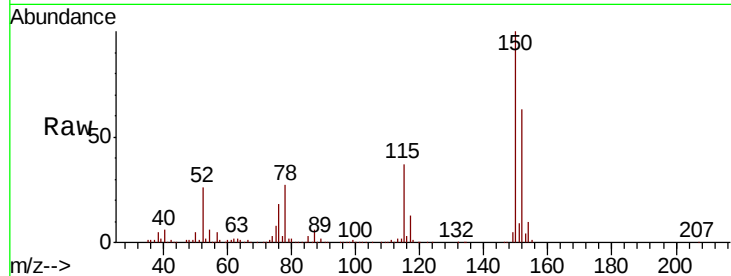
Tot Ion:152 Resp: 148939

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

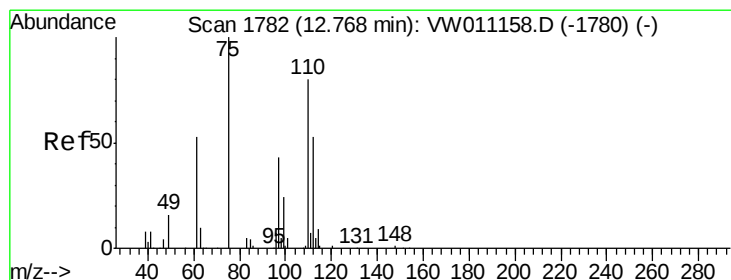
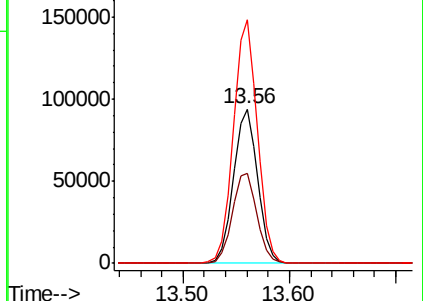
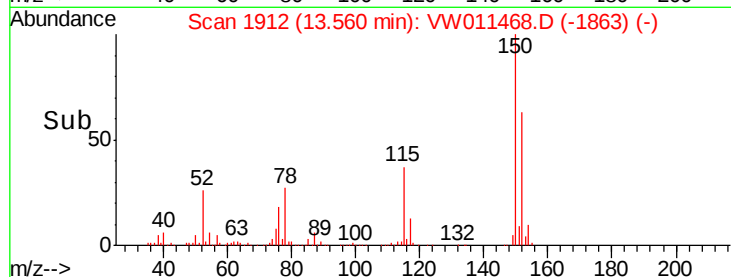
150 156.8 0.0 346.0



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: 52.090 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011468.D

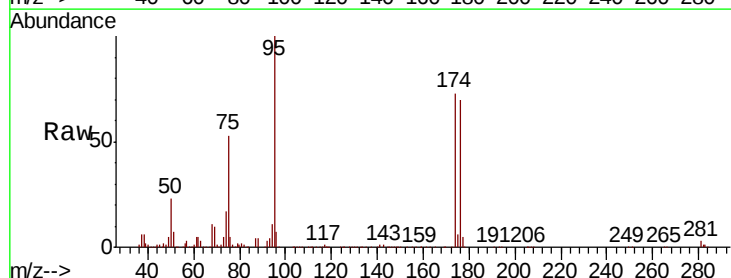
Acq: 24 Jul 2019 12:14

Tgt Ion: 75 Resp: 89657

Ion Ratio Lower Upper

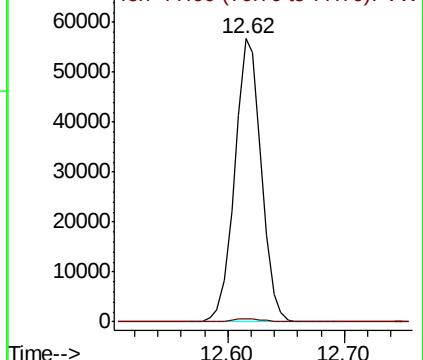
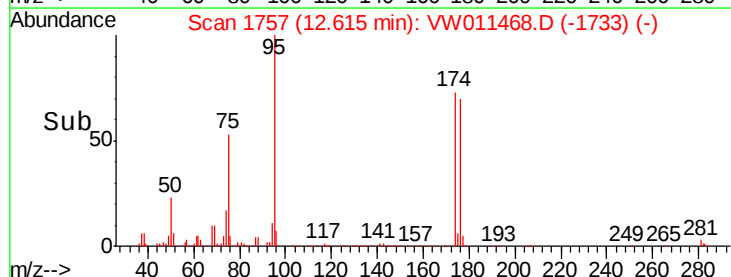
75 100

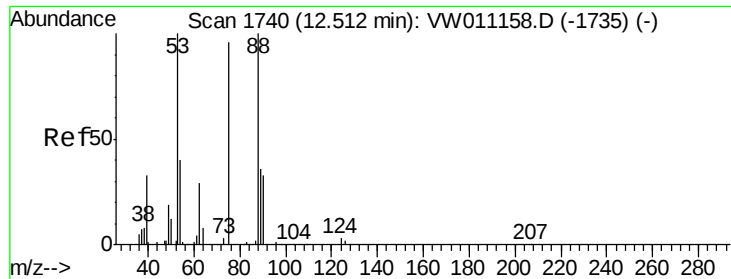
77 1.3 0.0 0.0#



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: 117.819 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011468.D

Acq: 24 Jul 2019 12:14

Instrument :

MSVOA_W

ClientSampleId :

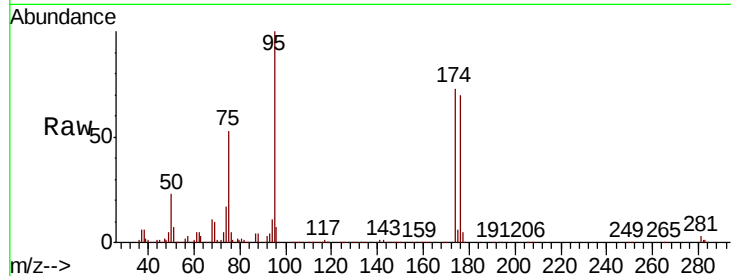
Tot Ion: 75 Resp: 89657

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

