

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011396.D
 Acq On : 20 Jul 2019 01:45
 Operator : SY/VA
 Sample : K3835-45
 Misc : 4.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8(0-2)

Quant Time: Jul 20 05:56:10 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	261271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151647	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	177686	54.12	ug/l	0.00
Spiked Amount						
			Recovery	=	108.24%	
35) Dibromofluoromethane	7.88	113	138814	52.38	ug/l	0.00
Spiked Amount						
			Recovery	=	104.76%	
50) Toluene-d8	10.32	98	566615	52.90	ug/l	0.00
Spiked Amount						
			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.62	95	186256	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	

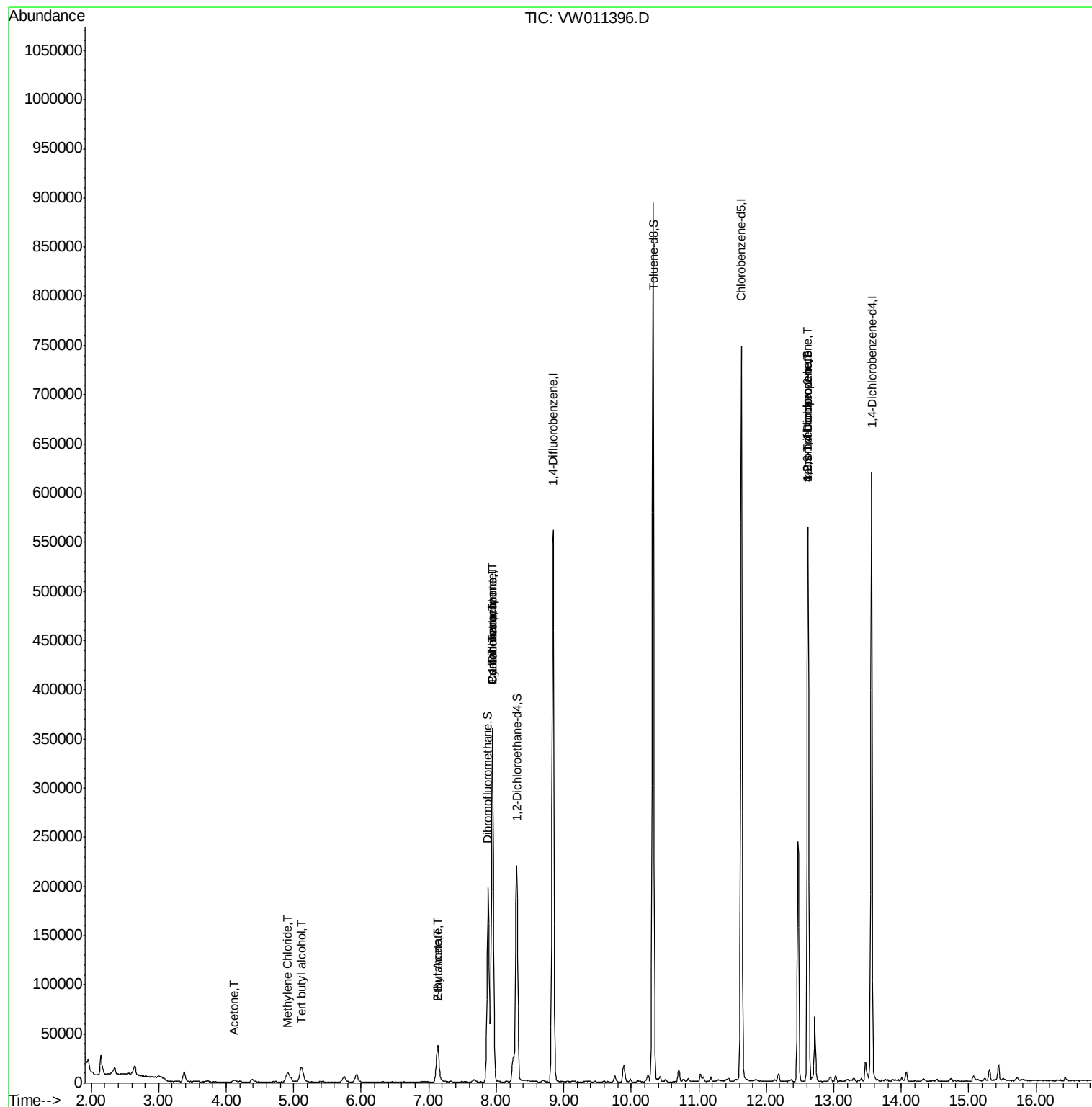
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	16366	67.333	ug/l #	74
16) Acetone	4.12	43	4237	5.364	ug/l	94
18) Methyl Acetate	4.68	43	584	Below Cal	#	57
20) Methylene Chloride	4.90	84	6263	2.010	ug/l	89
25) 2-Butanone	7.14	43	2902	2.340	ug/l #	75
31) Cyclohexane	7.94	56	6606	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22610	4.776	ug/l #	51
37) Ethyl Acetate	7.14	43	2902	1.020	ug/l #	74
38) Carbon Tetrachloride	7.95	117	26385	6.574	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	99346	56.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	99346	128.220	ug/l #	5

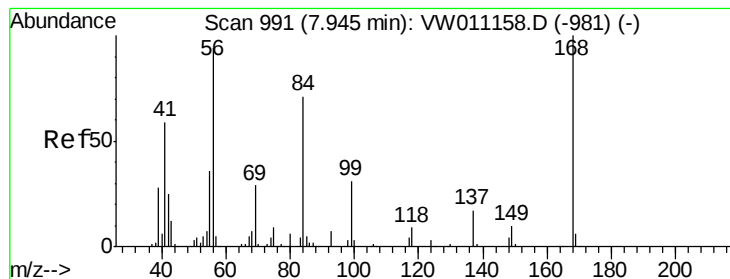
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-8(0-2)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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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: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampled :

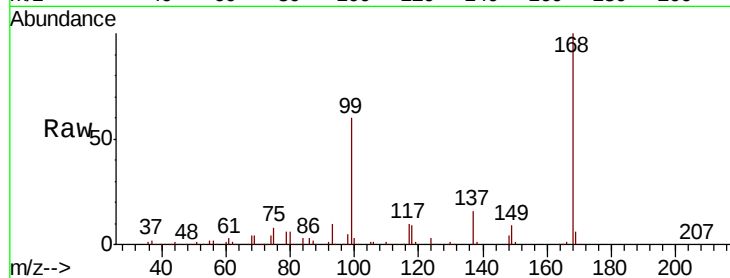
SB-8(0-2)

Tot Ion:168 Resp: 261271

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

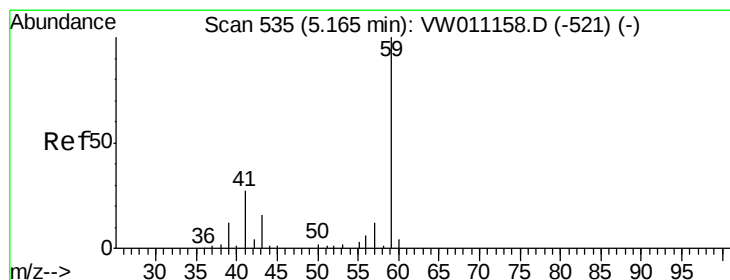
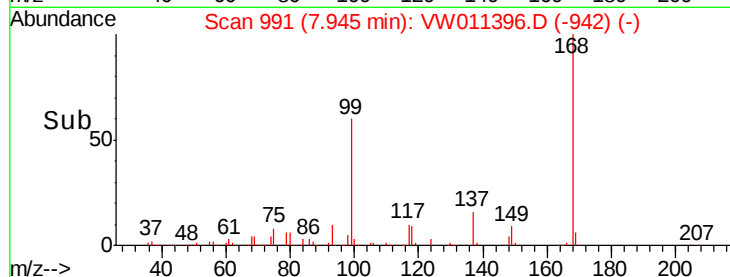
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 67.333 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011396.D

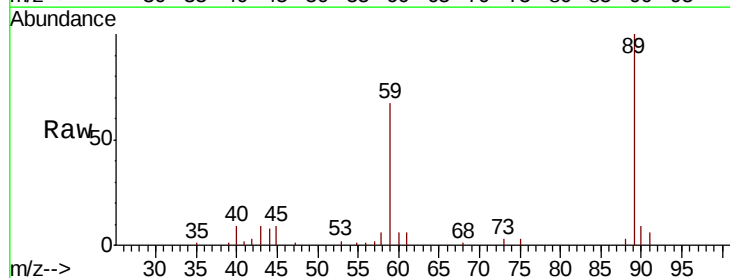
Acq: 20 Jul 2019 01:45

Tgt Ion: 59 Resp: 16366

Ion Ratio Lower Upper

59 100

57 1.3 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

4000

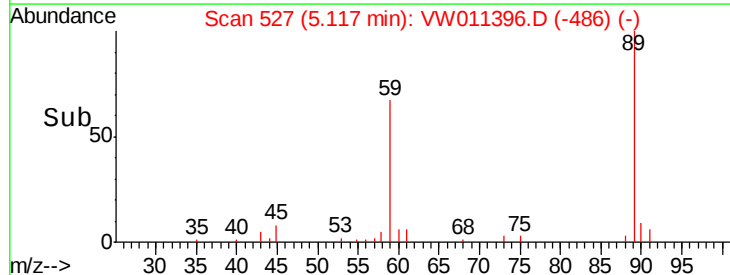
3000

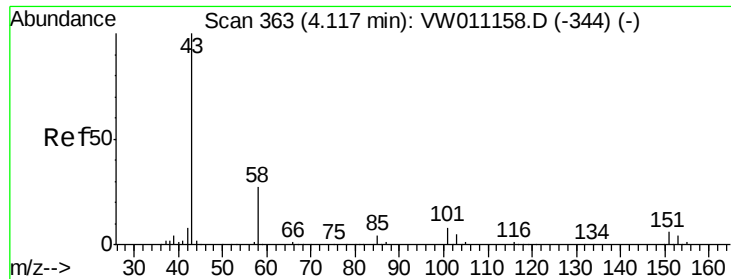
2000

1000

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 5.364 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampleId :

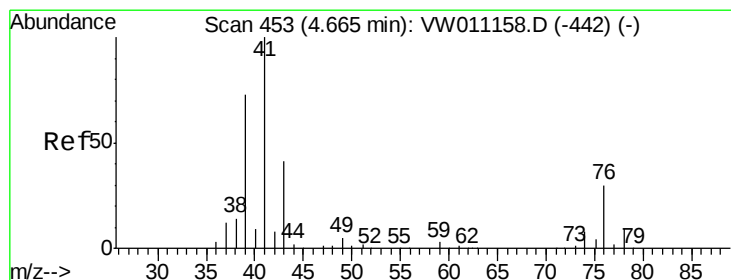
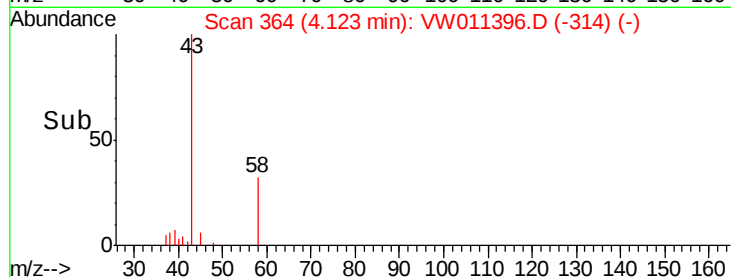
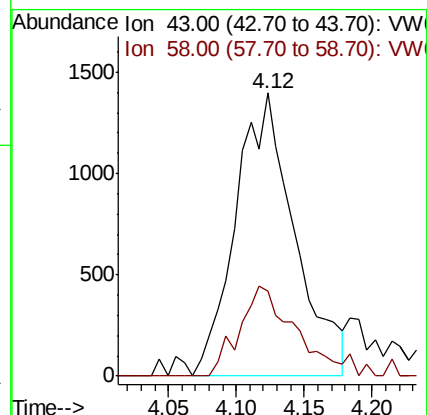
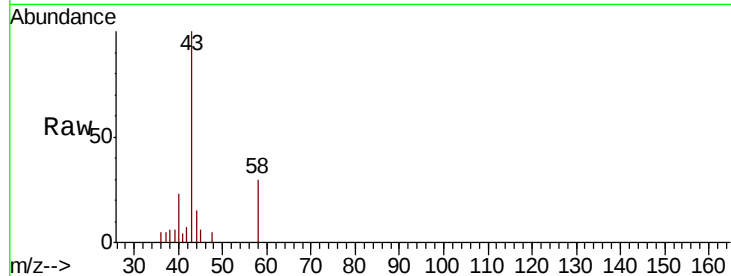
SB-8(0-2)

Tot Ion: 43 Resp: 4237

Ion Ratio Lower Upper

43 100

58 30.2 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011396.D

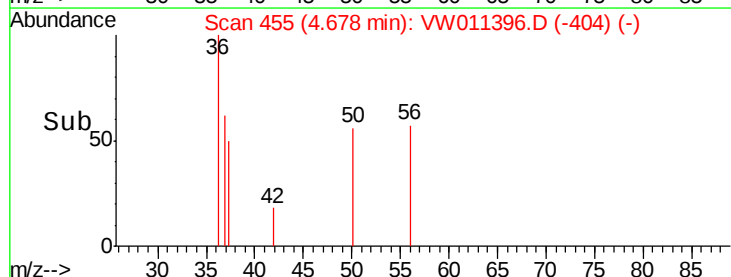
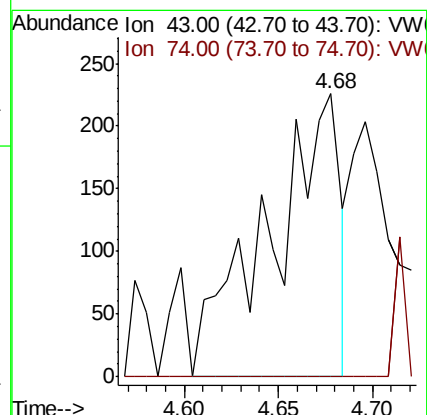
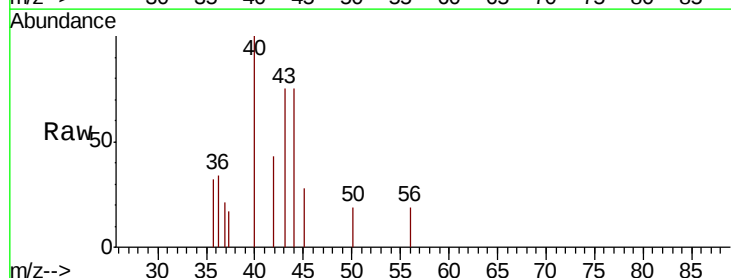
Acq: 20 Jul 2019 01:45

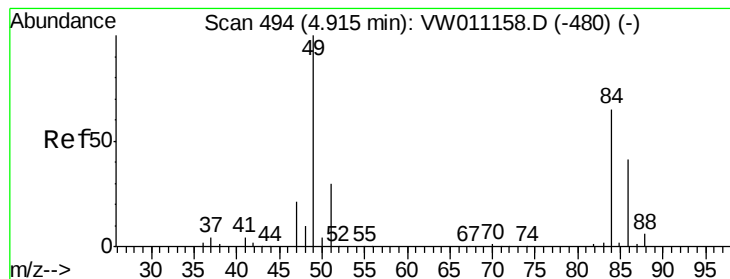
Tgt Ion: 43 Resp: 584

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#





#20

Methvlene Chloride

Concen: 2.010 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampleId :

SB-8(0-2)

Tot Ion: 84 Resp: 6263

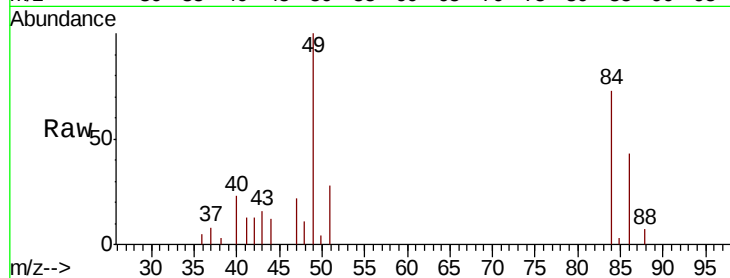
Ion Ratio Lower Upper

84 100

49 137.7 123.8 185.6

51 38.6 37.4 56.2

86 59.7 51.1 76.7

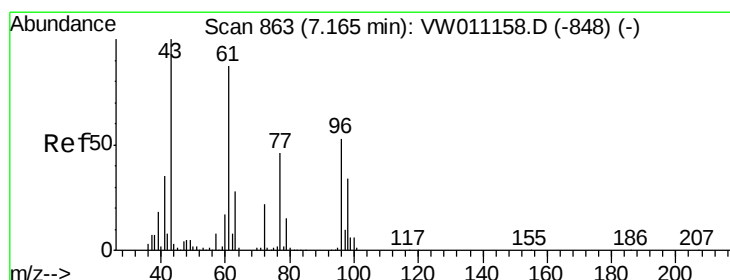
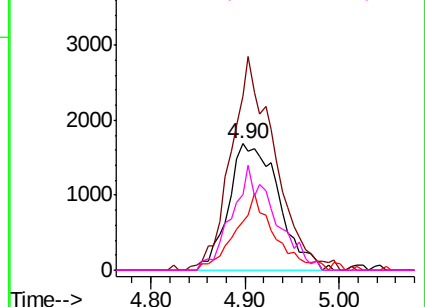
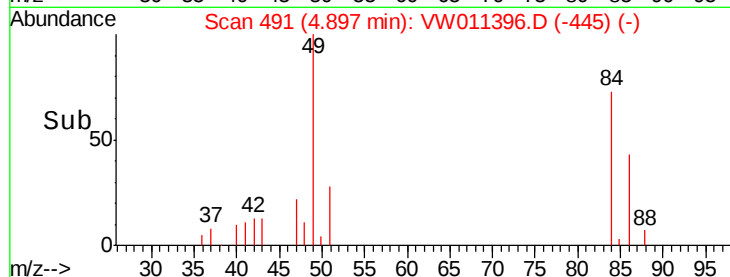


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.340 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011396.D

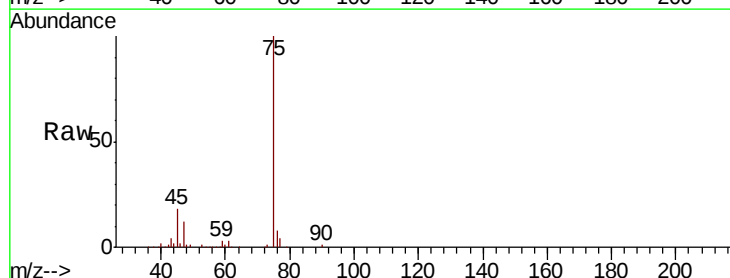
Acq: 20 Jul 2019 01:45

Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

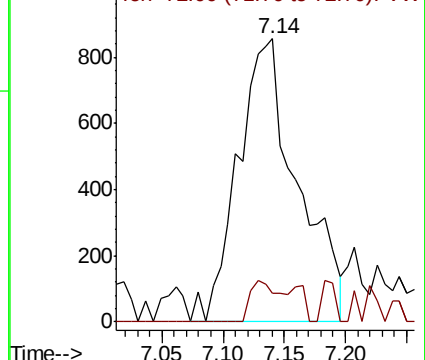
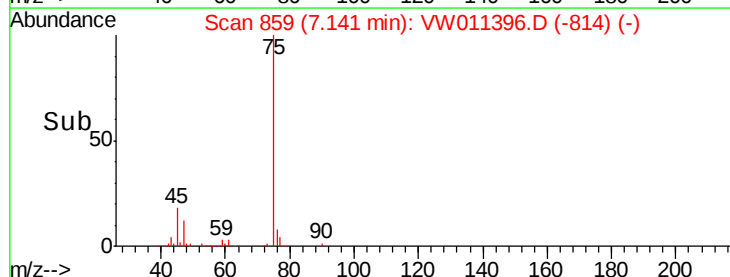
43 100

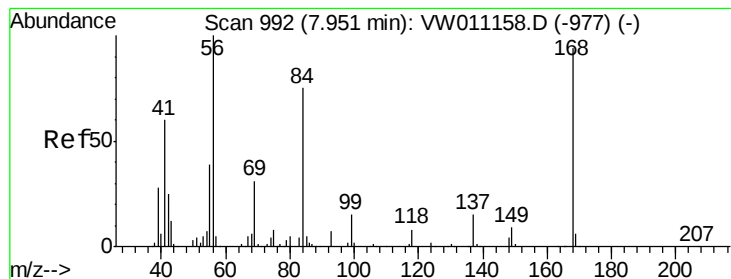
72 9.9 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.039 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampleId :

SB-8(0-2)

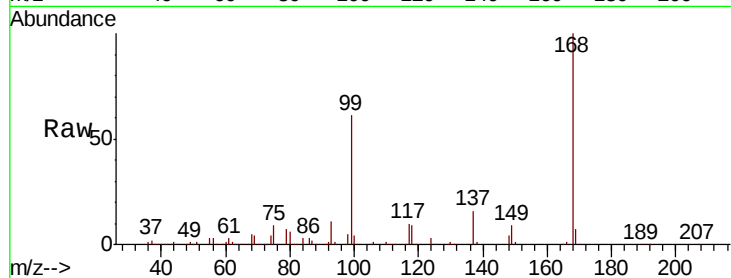
Tot Ion: 56 Resp: 6606

Ion Ratio Lower Upper

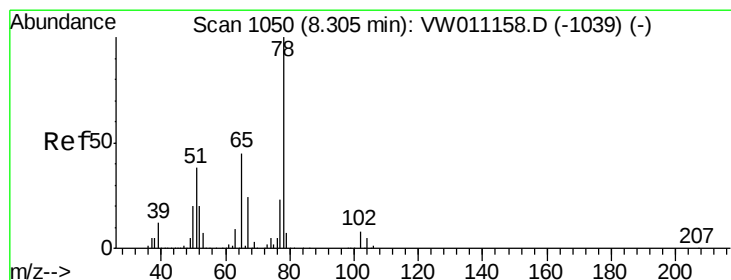
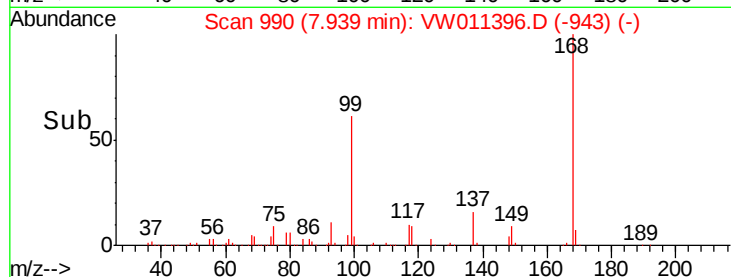
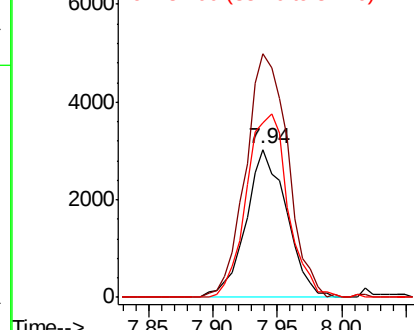
56 100

69 164.4 24.6 36.8#

84 117.8 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: 54.124 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011396.D

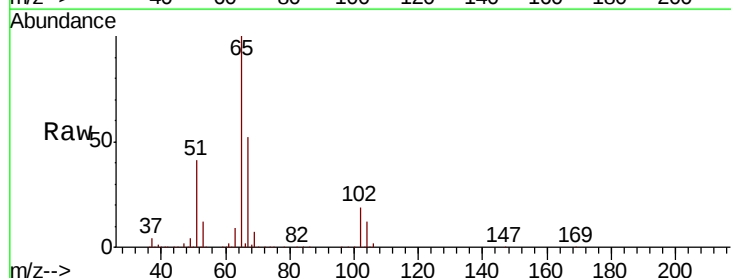
Acq: 20 Jul 2019 01:45

Tgt Ion: 65 Resp: 177686

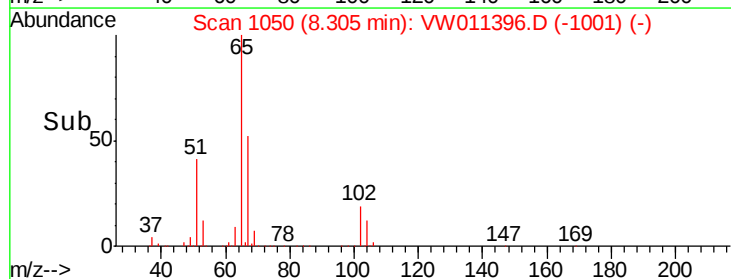
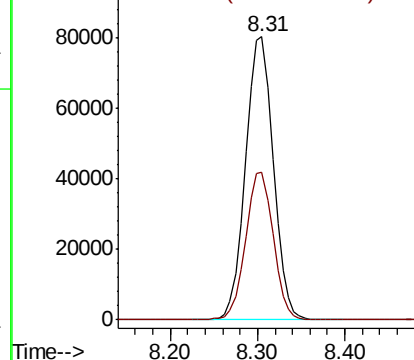
Ion Ratio Lower Upper

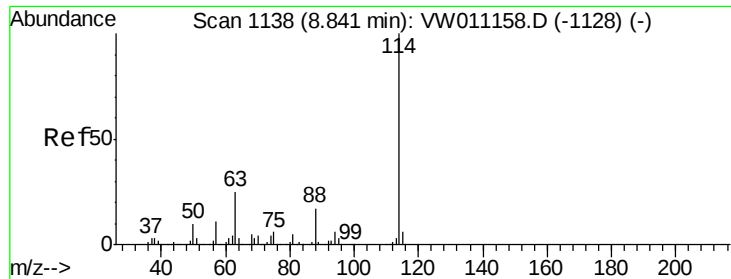
65 100

67 51.9 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: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampled :

SB-8(0-2)

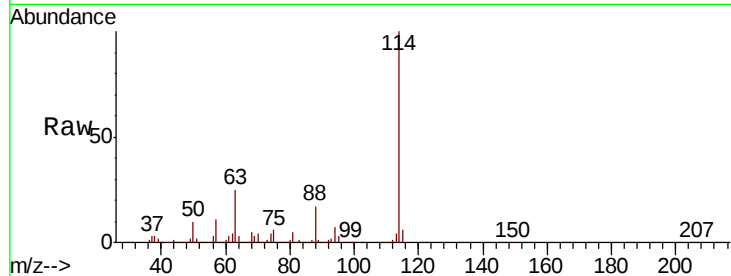
Tot Ion:114 Resp: 444582

Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.8

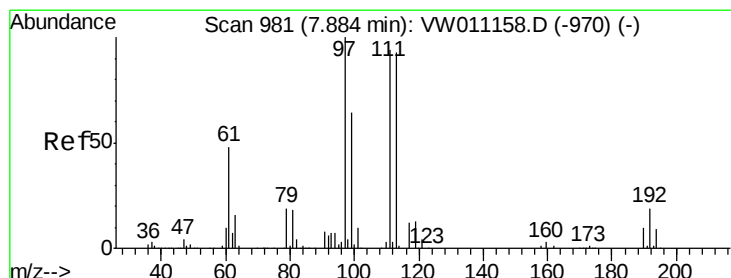
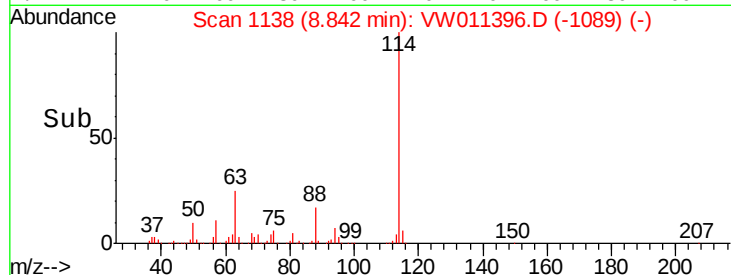
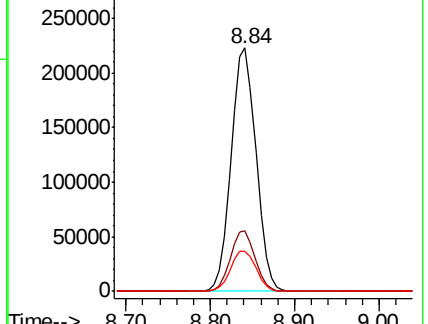
88 16.6 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.384 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

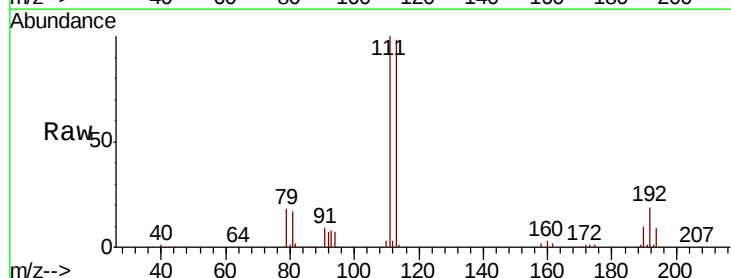
Tgt Ion:113 Resp: 138814

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

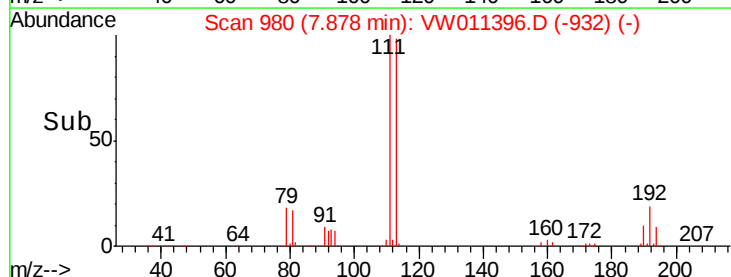
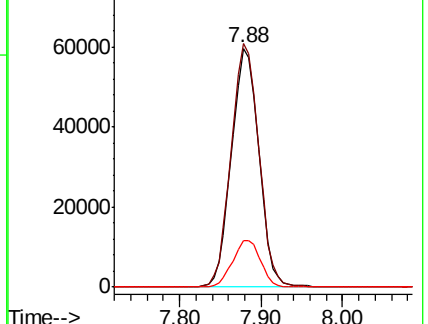
192 19.9 15.8 23.8

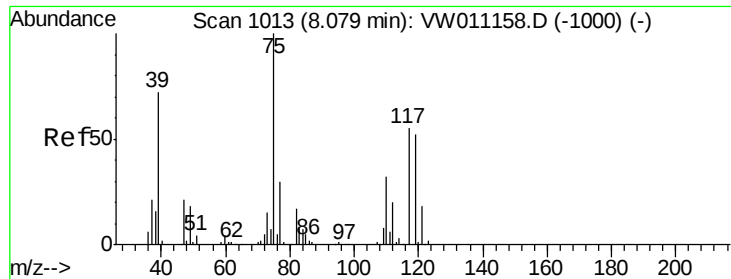


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

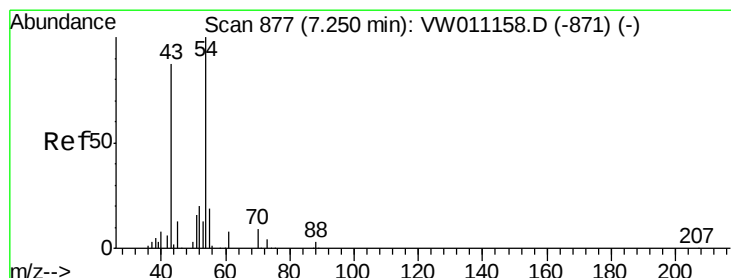
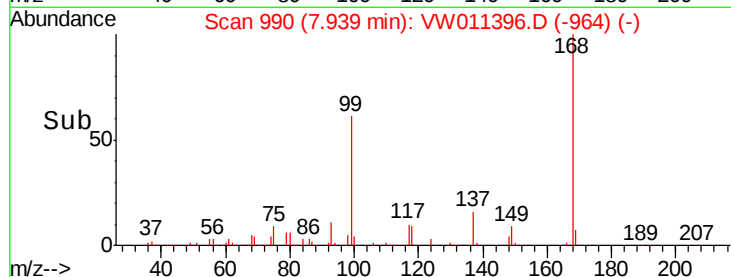
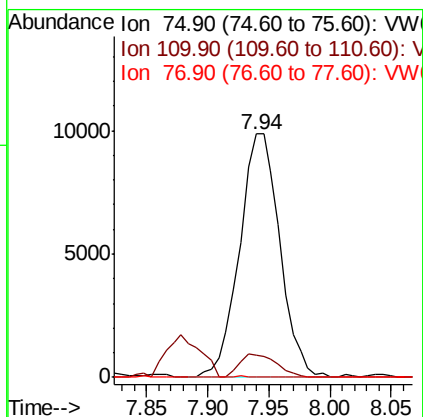
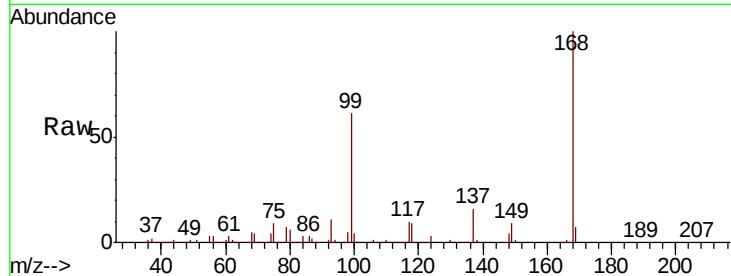




#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011396.D
 Acq: 20 Jul 2019 01:45

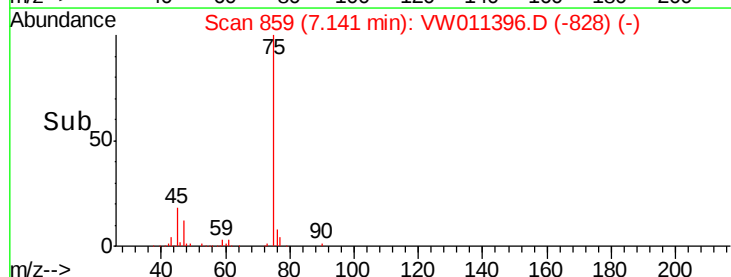
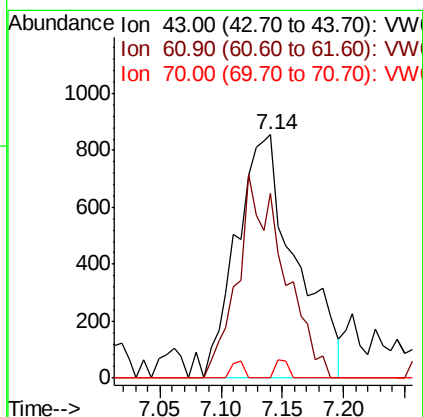
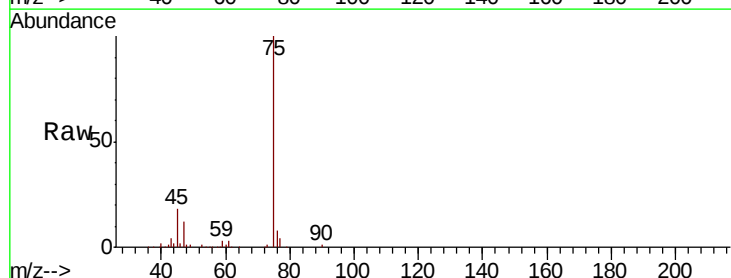
Instrument :
 MSVOA_W
 ClientSampled :
 SB-8(0-2)

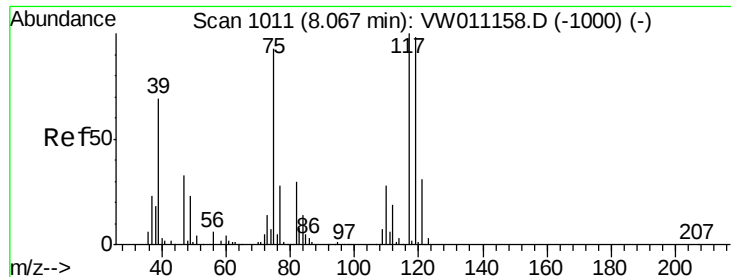
Tot Ion: 75 Resp: 22610
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.9 47.6#
 77 0.1 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.020 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.11 min
 Lab File: VW011396.D
 Acq: 20 Jul 2019 01:45

Tgt Ion: 43 Resp: 2902
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.5 14.3#
 70 1.6 7.1 10.7#

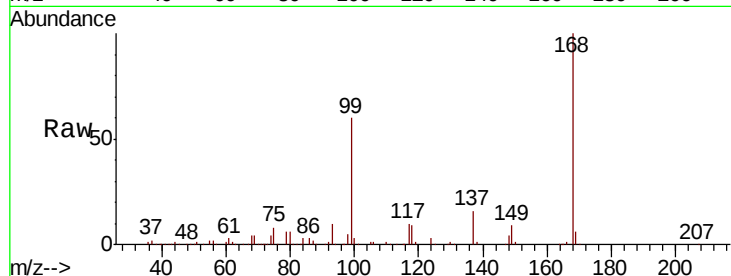




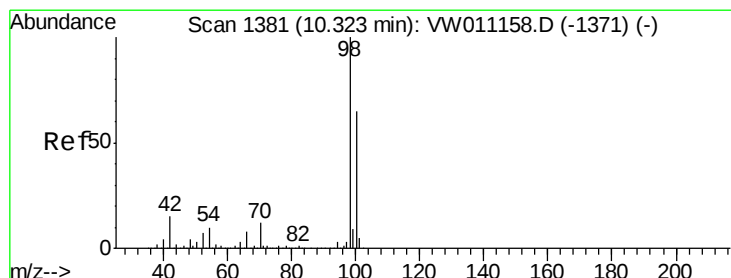
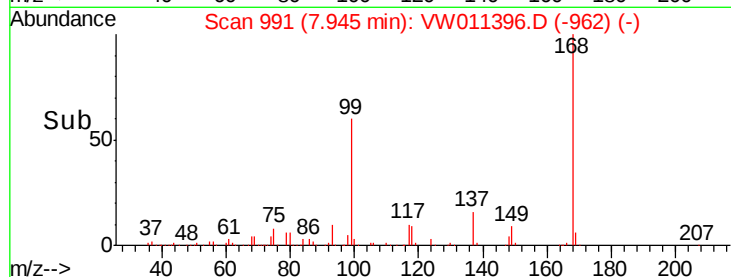
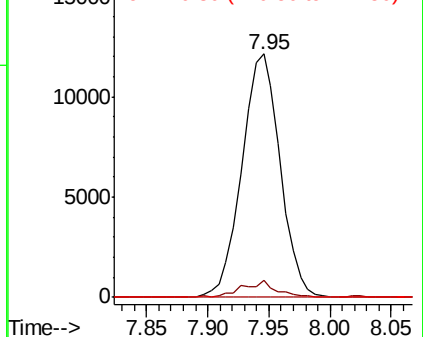
#38
Carbon Tetrachloride
Concen: 6.574 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

Instrument :
MSVOA_W
ClientSampleId :
SB-8(0-2)

Tot Ion:117 Resp: 26385
Ion Ratio Lower Upper
117 100
119 7.1 78.1 117.1#
121 0.0 25.1 37.7#

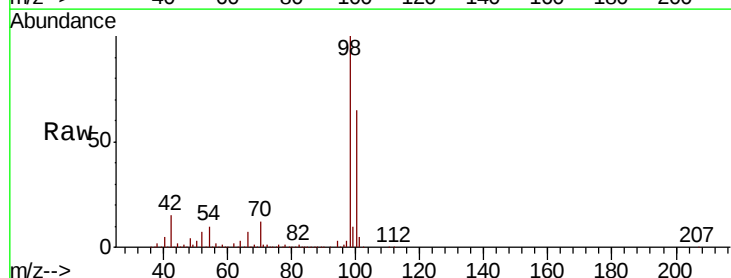


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

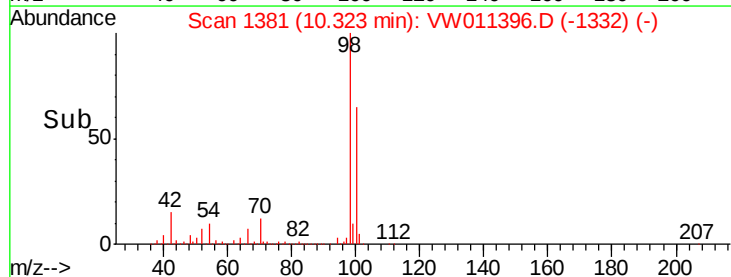
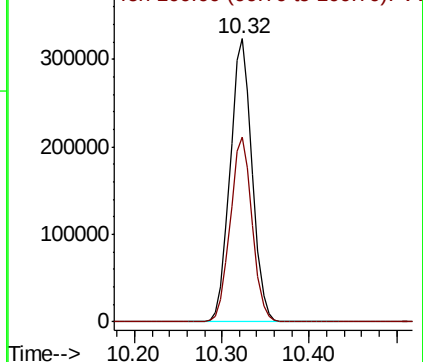


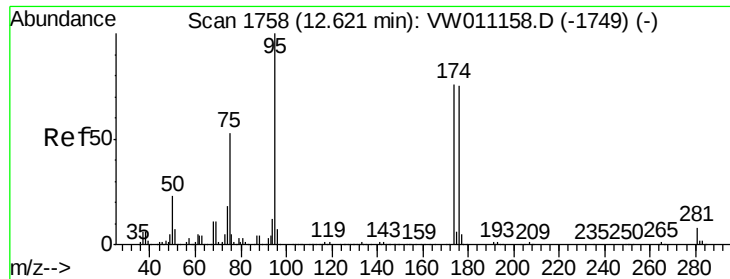
#50
Toluene-d8
Concen: 52.899 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

Tgt Ion: 98 Resp: 566615
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



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

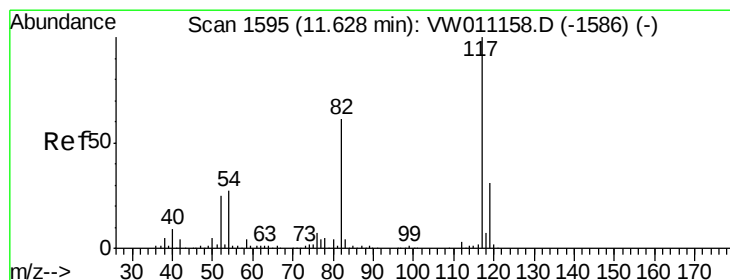
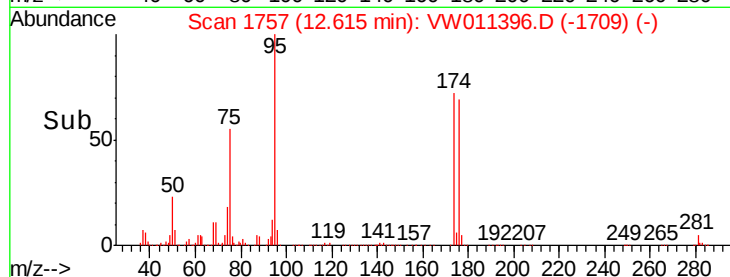
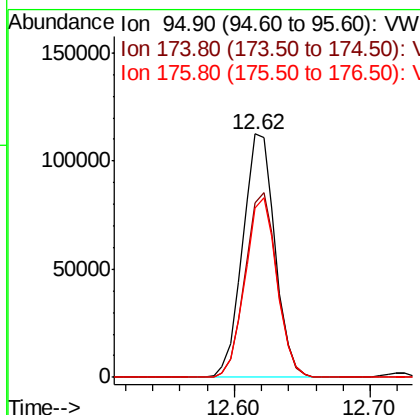
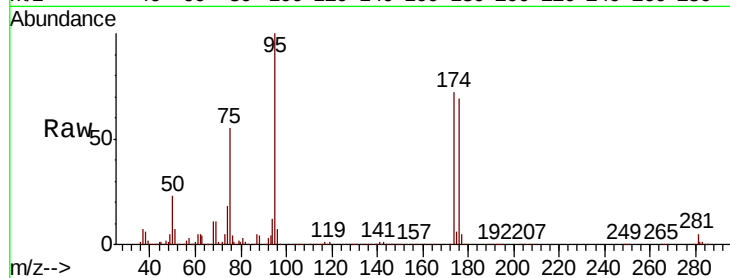




#62
4-Bromofluorobenzene
Concen: 47.441 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

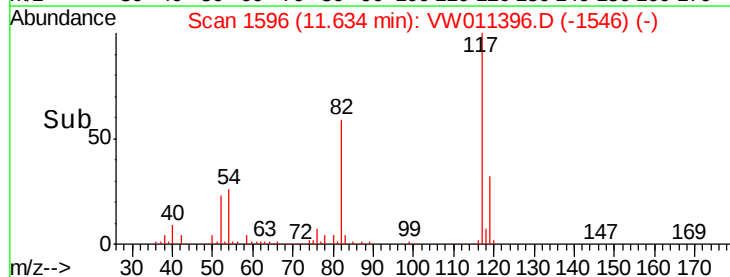
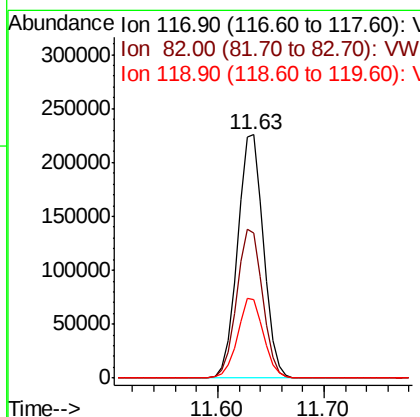
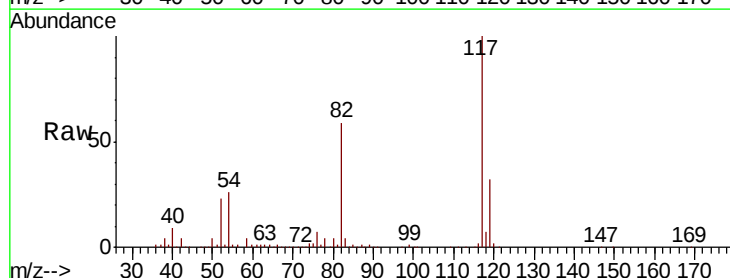
Instrument :
MSVOA_W
ClientSampled :
SB-8(0-2)

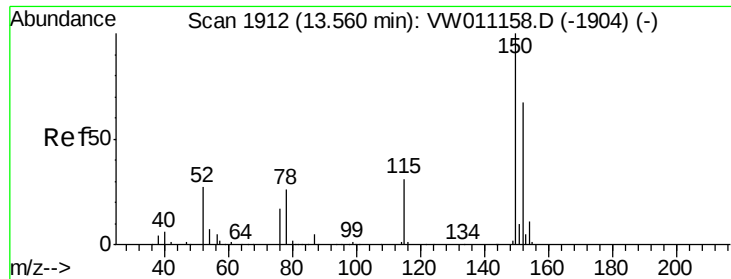
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	147.6
176	73.2	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.9	73.3
119	32.3	25.0	37.6



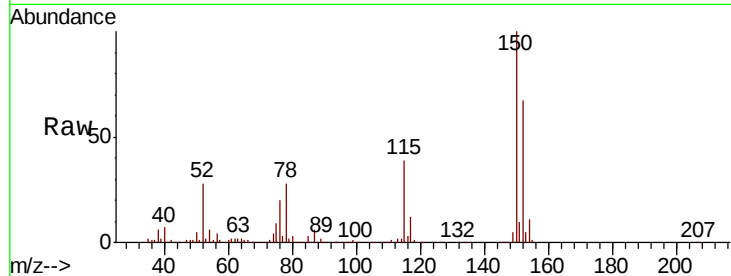


#72

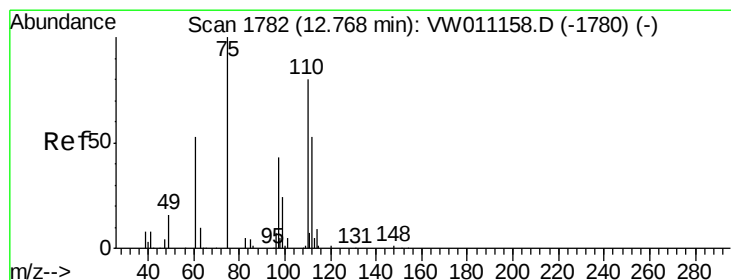
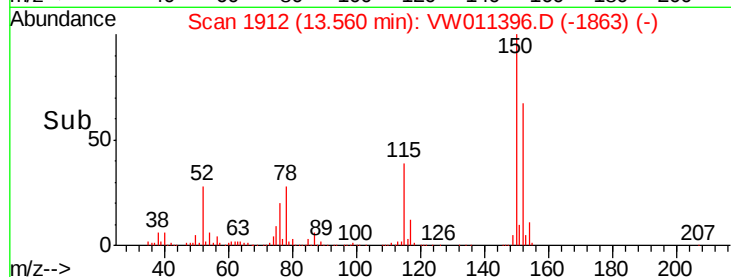
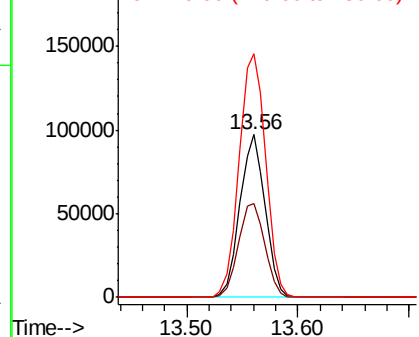
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

Instrument :
MSVOA_W
ClientSampleId :
SB-8(0-2)

Tot Ion:152 Resp: 151647
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 158.4 0.0 346.0



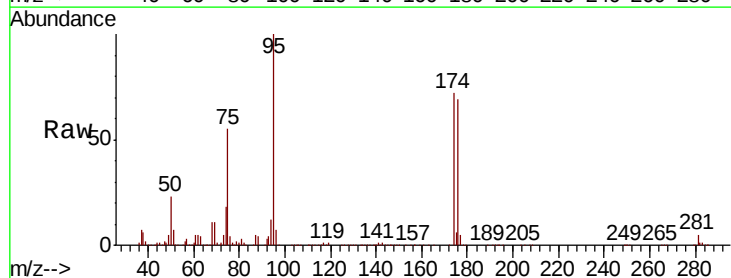
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



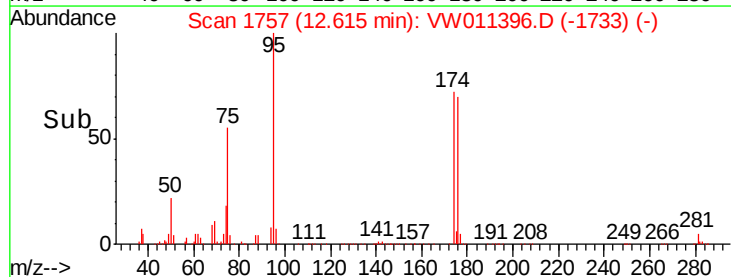
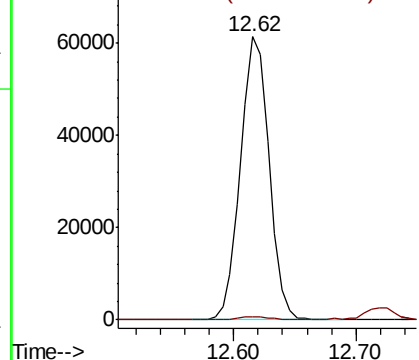
#76

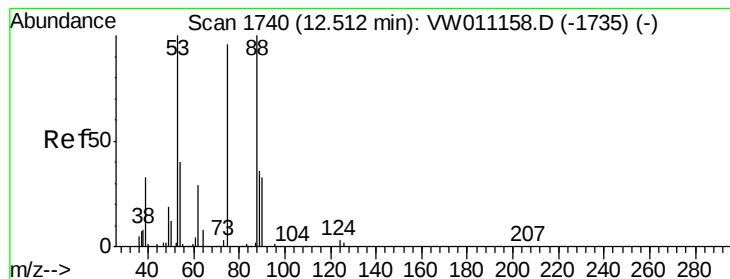
1,2,3-Trichloropropane
Concen: 56.689 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011396.D
Acq: 20 Jul 2019 01:45

Tgt Ion: 75 Resp: 99346
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: 128.220 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011396.D

Acq: 20 Jul 2019 01:45

Instrument :

MSVOA_W

ClientSampleId :

SB-8(0-2)

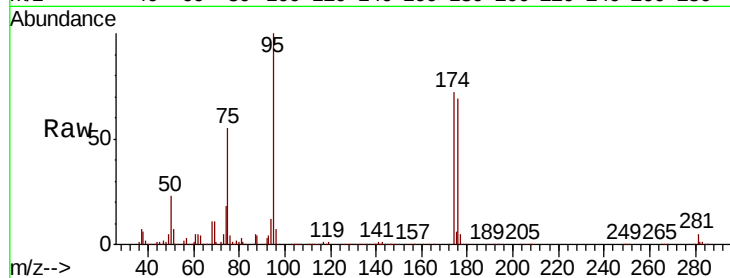
Tot Ion: 75 Resp: 99346

Ion Ratio Lower Upper

75 100

53 0.0 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

