

Data File : VW012846.D
Acq On : 10 Sep 2019 02:47
Operator : SY/VA
Sample : K4644-05
Misc : 6.63G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(4)

Quant Time: Sep 10 07:09:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	234847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	106964	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	7.88	113	89697	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.32	98	349027	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	100351	38.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.84%	

Target Compounds

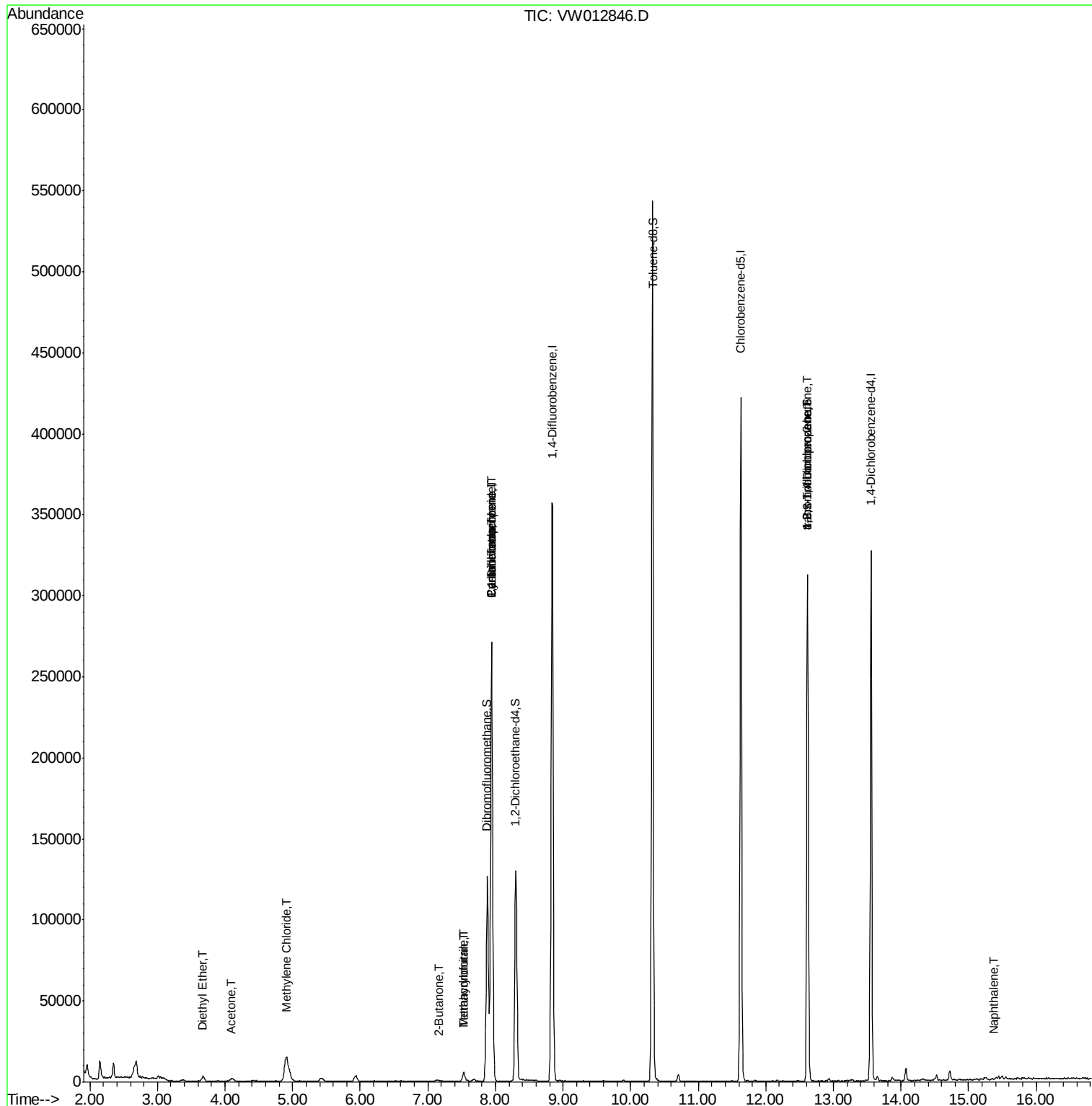
						Qvalue
8) Diethyl Ether	3.67	74	1635	1.658	ug/l	86
16) Acetone	4.09	43	928	1.448	ug/l #	76
20) Methylene Chloride	4.90	84	9944	4.959	ug/l #	82
25) 2-Butanone	7.17	43	42	19.721	ug/l #	53
29) Tetrahydrofuran	7.53	42	4751	9.179	ug/l	96
31) Cyclohexane	7.94	56	4939	1.429	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15585	5.752	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19691	7.372	ug/l #	17
41) Methacrylonitrile	7.52	41	2891	6.112	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	51096	56.951	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51096	120.455	ug/l #	6
95) Naphthalene	15.36	128	166	4.480	ug/l #	69

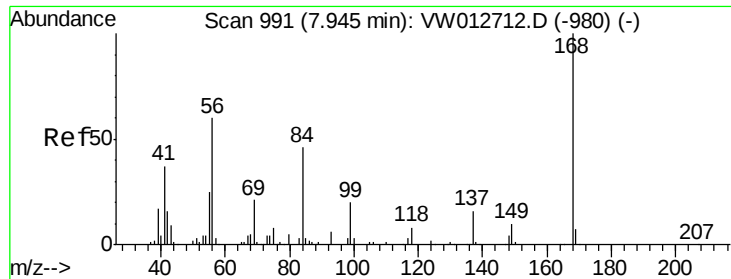
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012846.D

Acq: 10 Sep 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

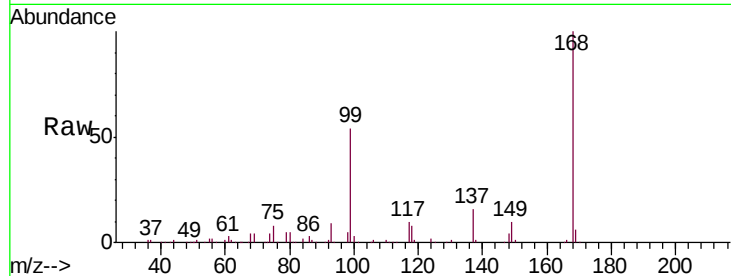
T11-D2-(4)

Tgt Ion:168 Resp: 210428

Ion Ratio Lower Upper

168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

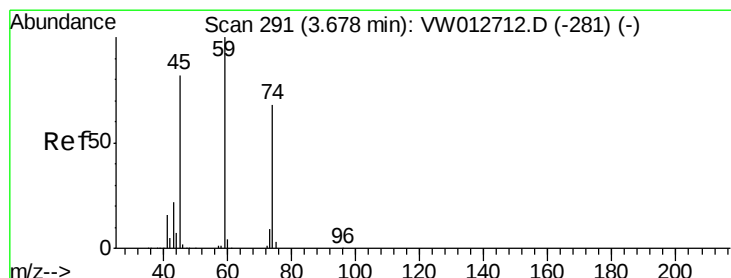
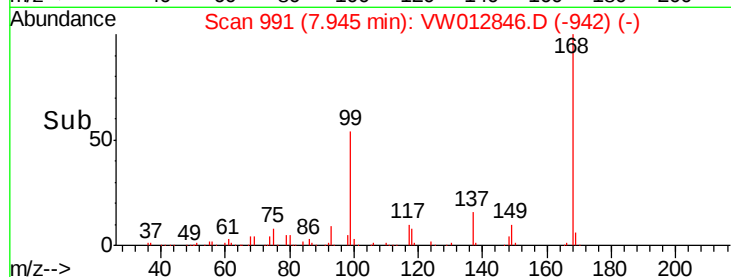
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.658 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012846.D

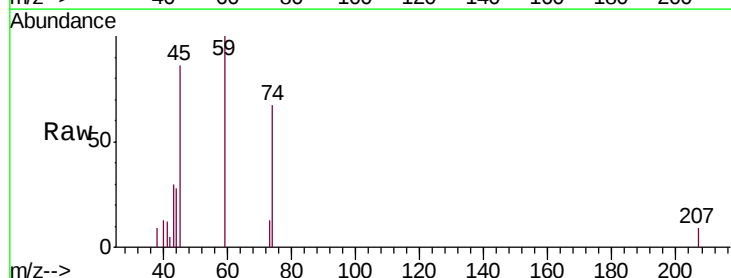
Acq: 10 Sep 2019 02:47

Tgt Ion: 74 Resp: 1635

Ion Ratio Lower Upper

74 100

45 132.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

600

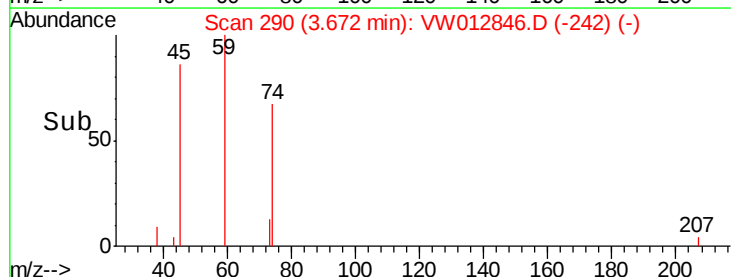
400

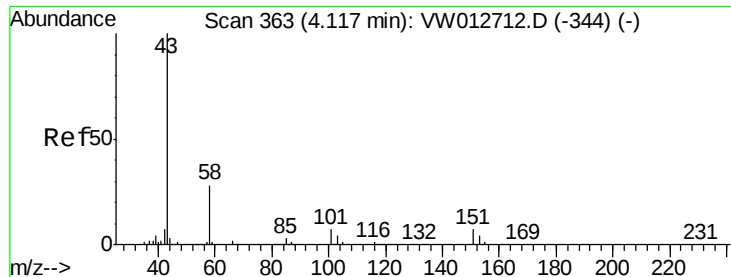
200

0

Time-->

3.60 3.65 3.70 3.75





#16

Acetone

Concen: 1.448 ug/l

RT: 4.09 min Scan# 359

Delta R.T. -0.02 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

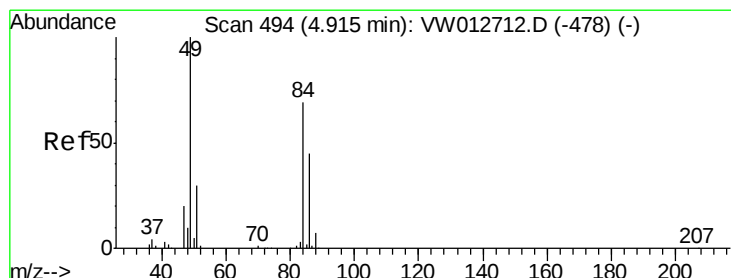
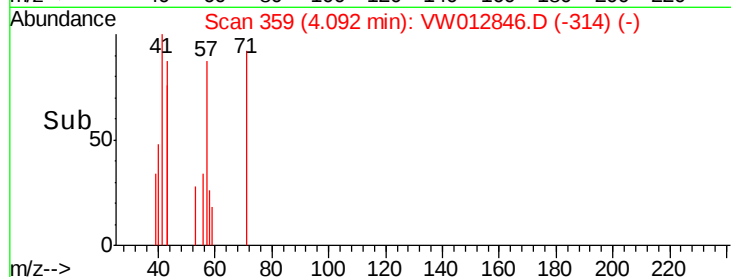
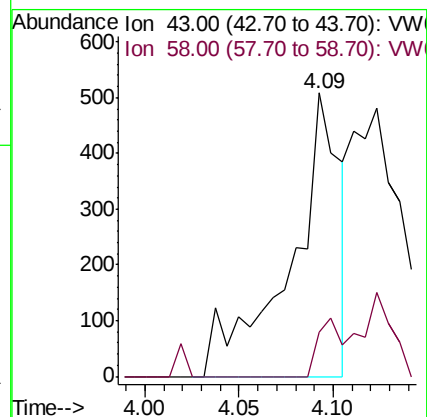
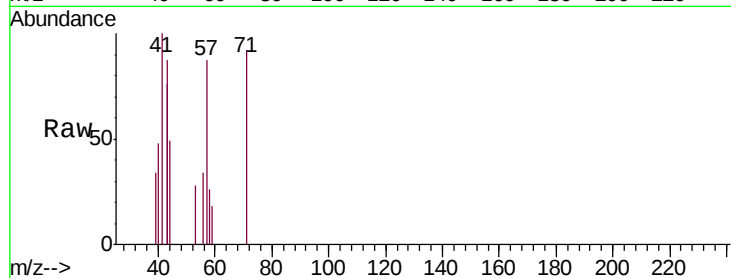
T11-D2-(4)

Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

58 15.7 22.6 33.8#



#20

Methylene Chloride

Concen: 4.959 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

Tgt Ion: 84 Resp: 9944

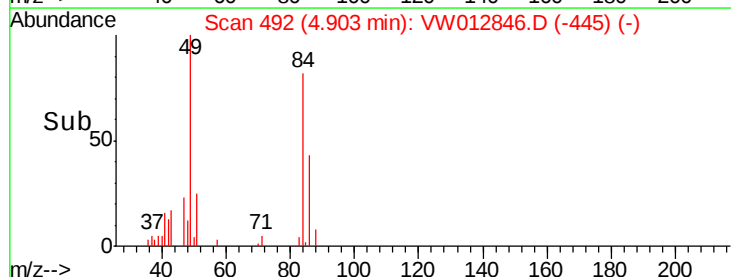
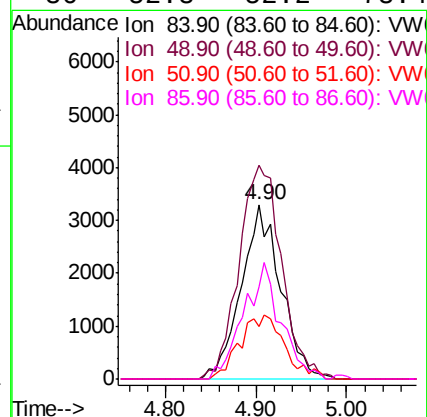
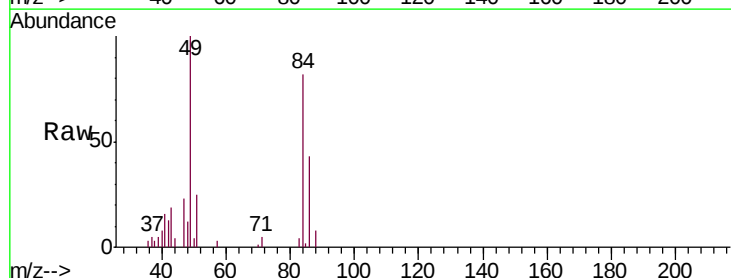
Ion Ratio Lower Upper

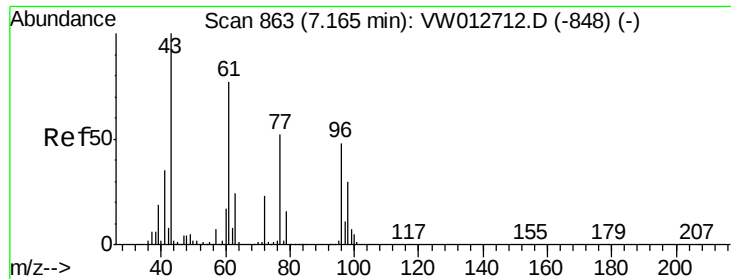
84 100

49 122.5 115.4 173.0

51 30.5 34.9 52.3#

86 52.8 52.2 78.4





#25

2-Butanone

Concen: 19.721 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

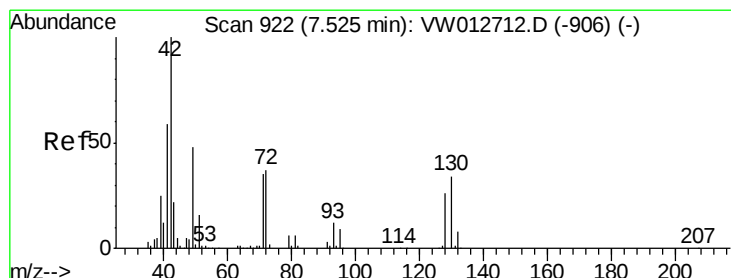
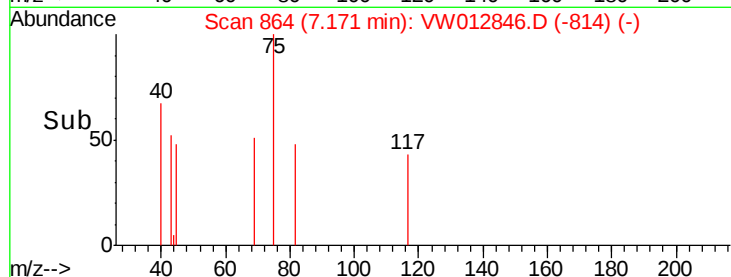
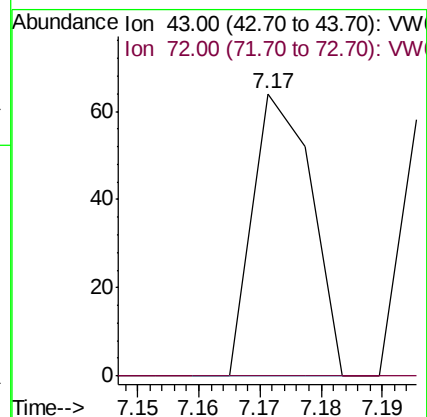
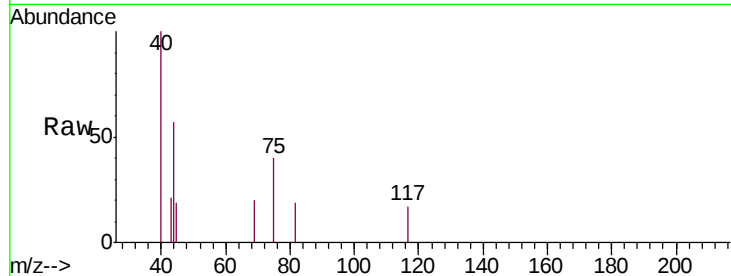
T11-D2-(4)

Tgt Ion: 43 Resp: 42

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 9.179 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

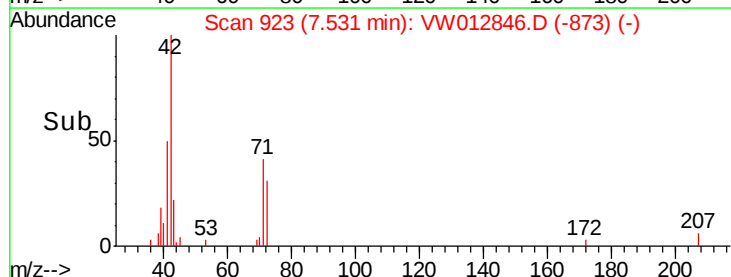
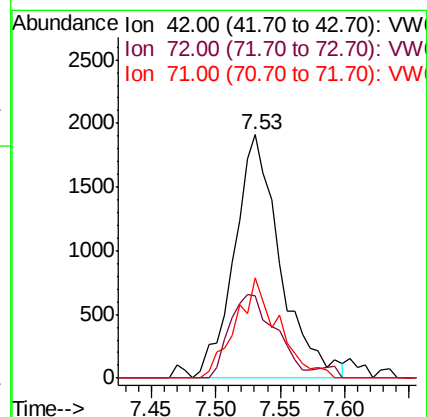
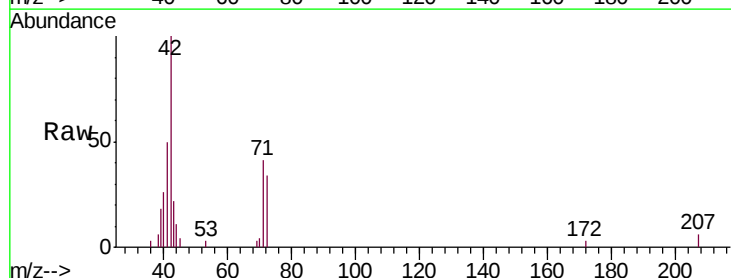
Tgt Ion: 42 Resp: 4751

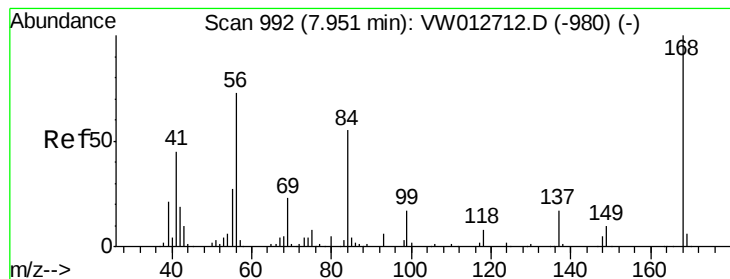
Ion Ratio Lower Upper

42 100

72 34.9 28.4 42.6

71 38.5 27.1 40.7





#31

Cyclohexane

Concen: 1.429 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(4)

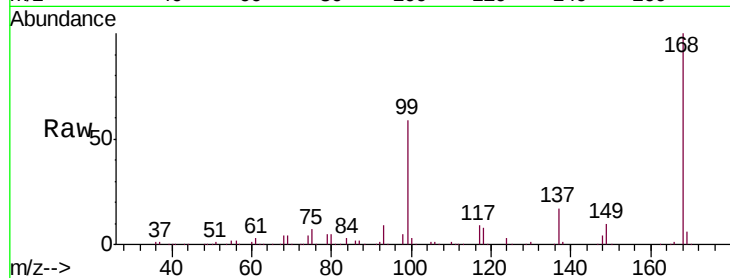
Tgt Ion: 56 Resp: 4939

Ion Ratio Lower Upper

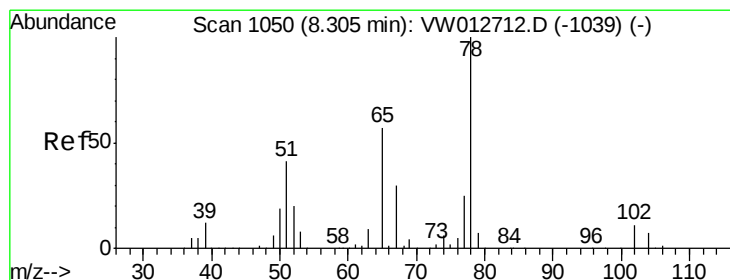
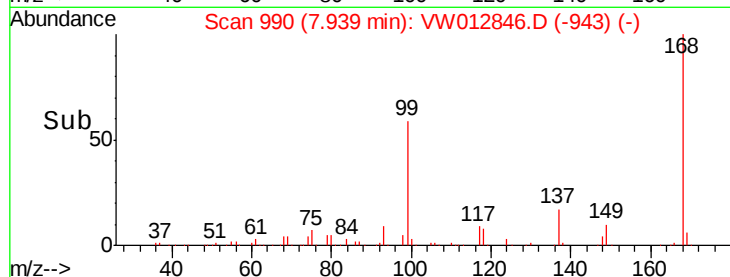
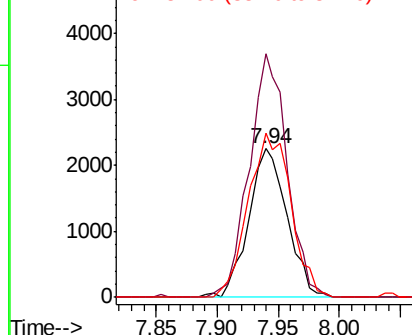
56 100

69 163.7 25.7 38.5#

84 110.2 60.4 90.6#



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: 45.494 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012846.D

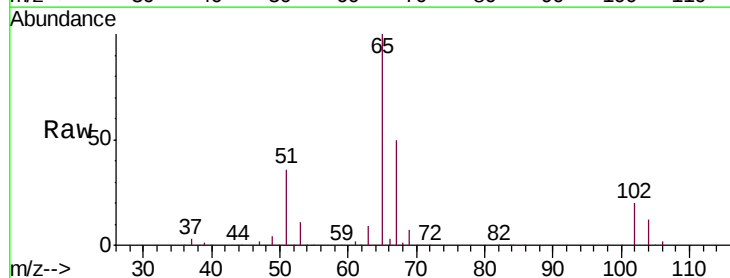
Acq: 10 Sep 2019 02:47

Tgt Ion: 65 Resp: 106964

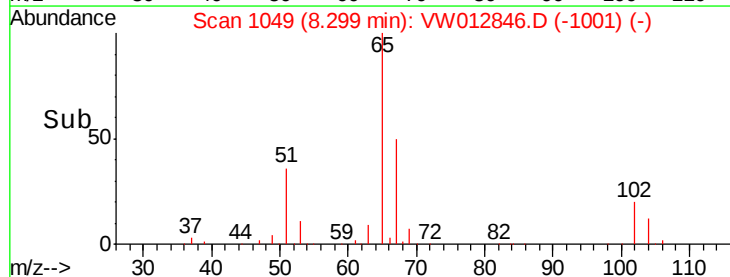
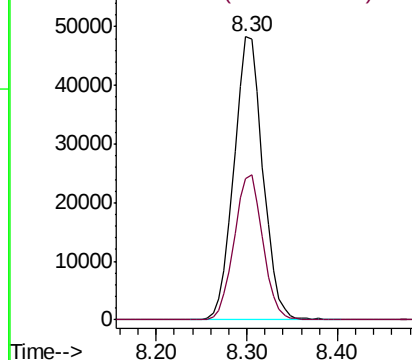
Ion Ratio Lower Upper

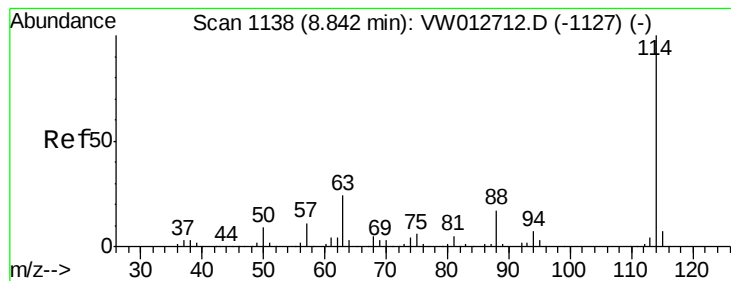
65 100

67 50.9 0.0 101.8



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: VW012846.D

Acq: 10 Sep 2019 02:47

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(4)

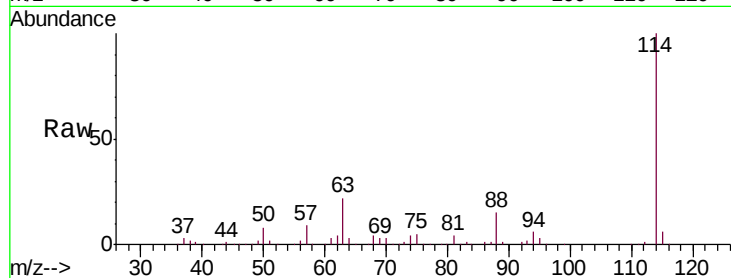
Tgt Ion:114 Resp: 304943

Ion Ratio Lower Upper

114 100

63 21.5 0.0 47.2

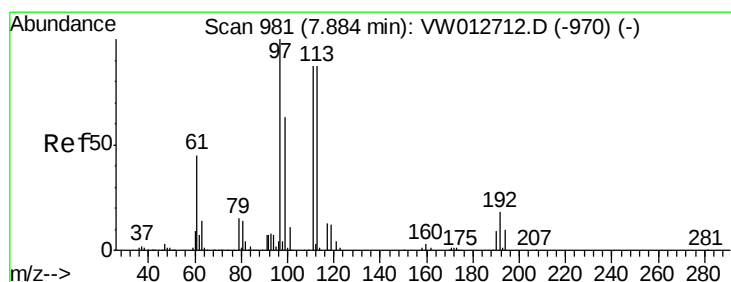
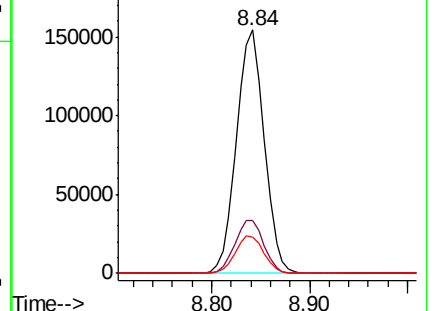
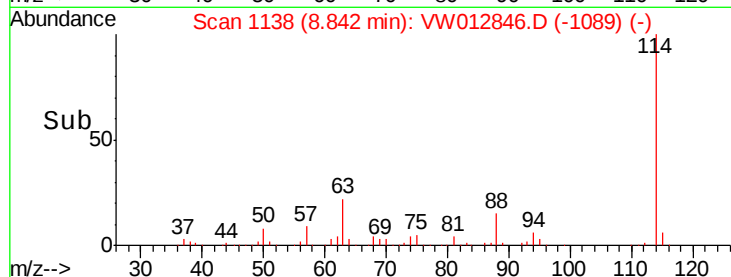
88 15.0 0.0 34.0



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: 49.475 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012846.D

Acq: 10 Sep 2019 02:47

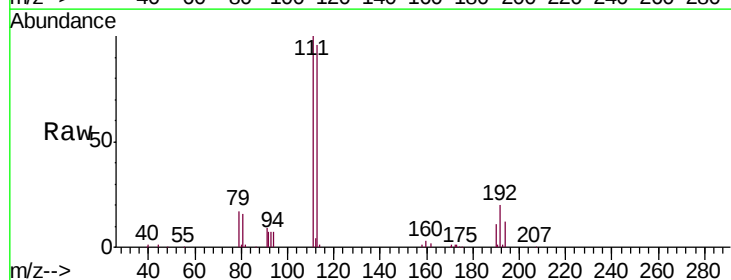
Tgt Ion:113 Resp: 89697

Ion Ratio Lower Upper

113 100

111 101.9 80.2 120.4

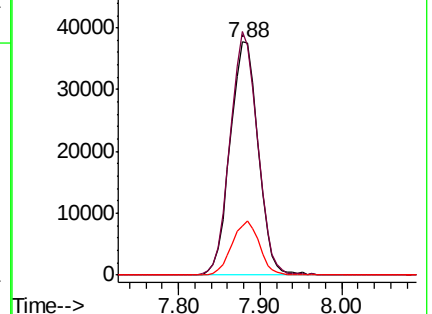
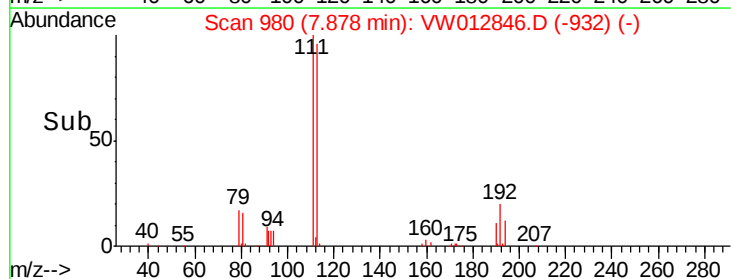
192 22.3 17.3 25.9

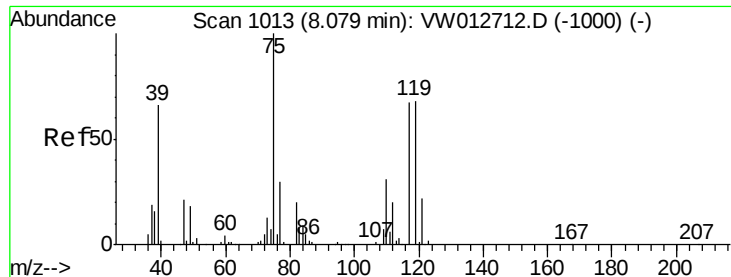


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

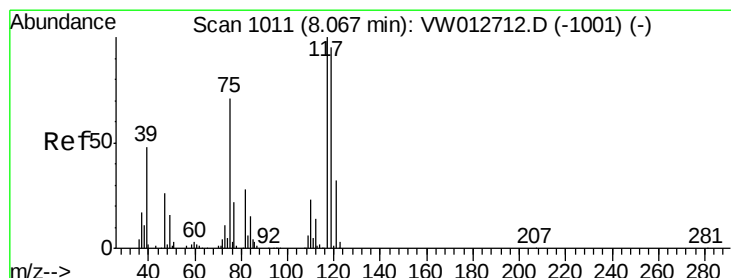
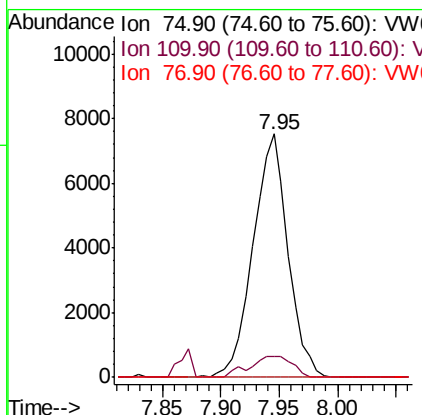
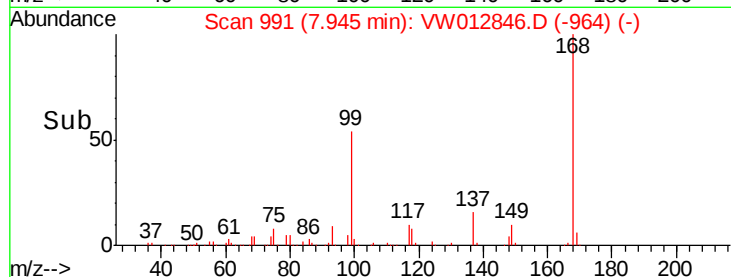
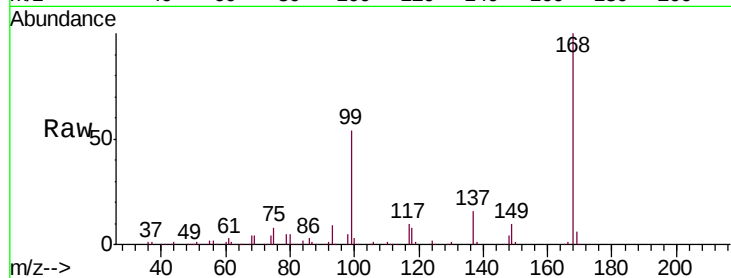




#36
 1,1-Dichloropropene
 Concen: 5.752 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012846.D
 Acq: 10 Sep 2019 02:47

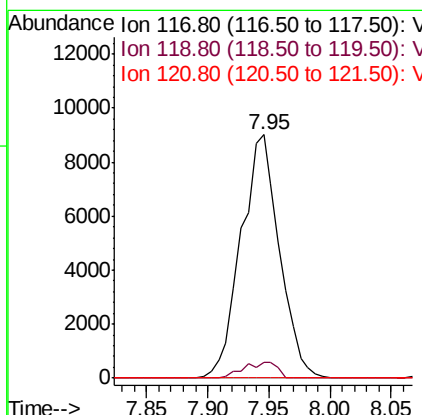
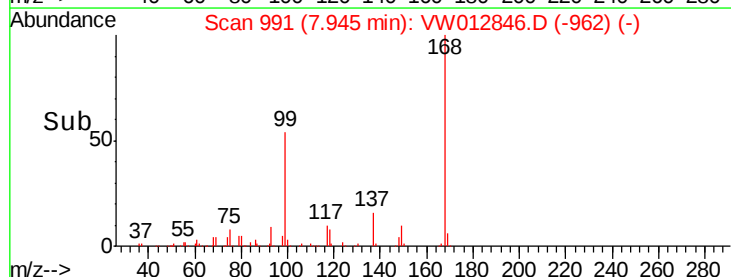
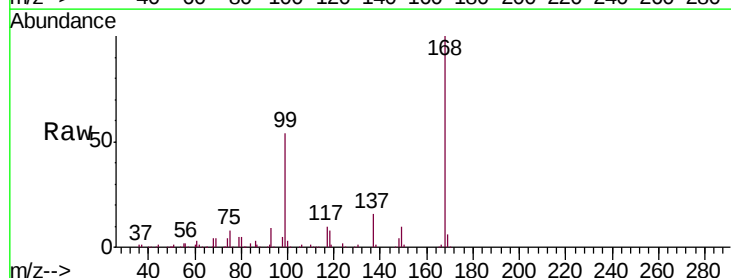
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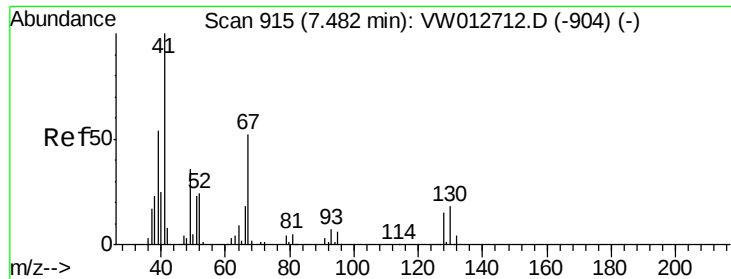
Tgt Ion: 75 Resp: 15585
 Ion Ratio Lower Upper
 75 100
 110 10.7 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.372 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012846.D
 Acq: 10 Sep 2019 02:47

Tgt Ion: 117 Resp: 19691
 Ion Ratio Lower Upper
 117 100
 119 6.3 76.2 114.2#
 121 0.0 25.4 38.2#

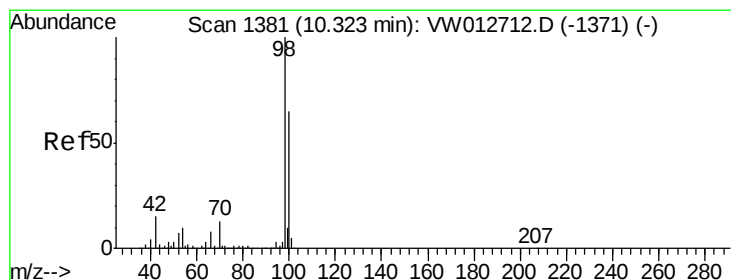
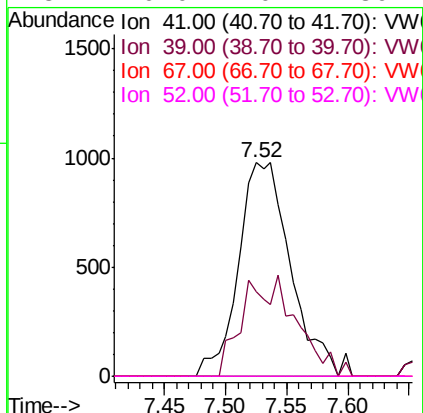
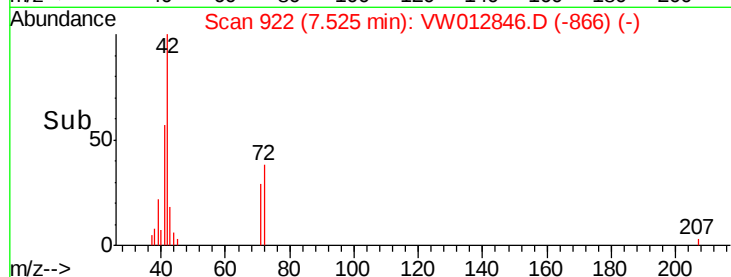
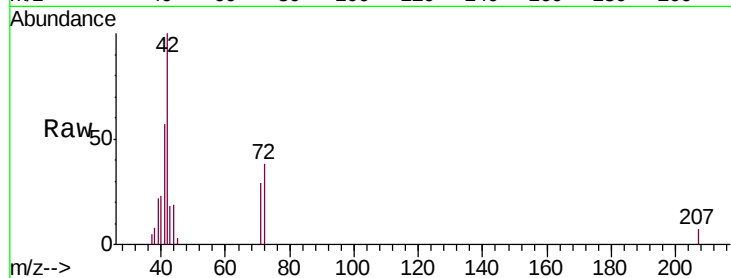




#41
Methacrylonitrile
Concen: 6.112 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012846.D
Acq: 10 Sep 2019 02:47

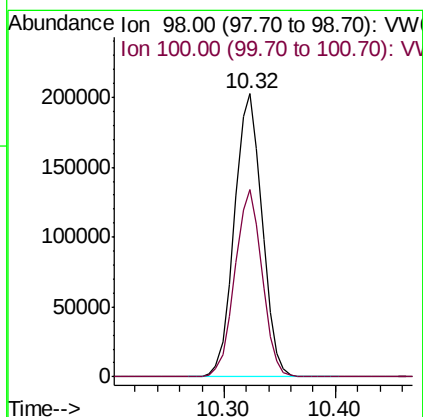
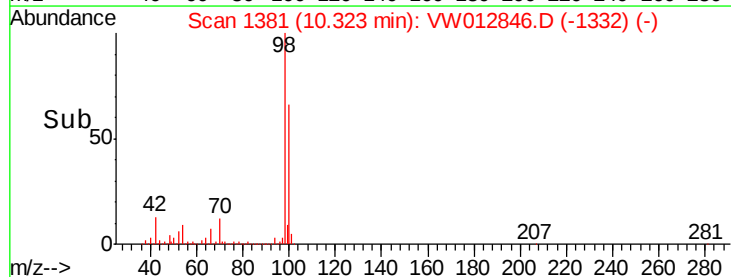
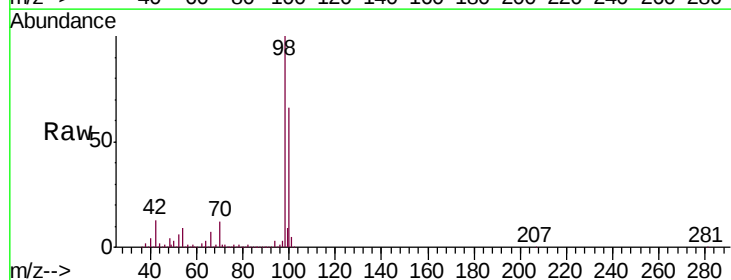
Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(4)

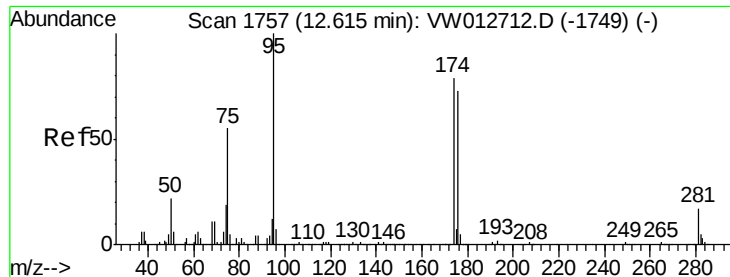
Tgt Ion: 41 Resp: 2891
Ion Ratio Lower Upper
41 100
39 25.9 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 49.139 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012846.D
Acq: 10 Sep 2019 02:47

Tgt Ion: 98 Resp: 349027
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

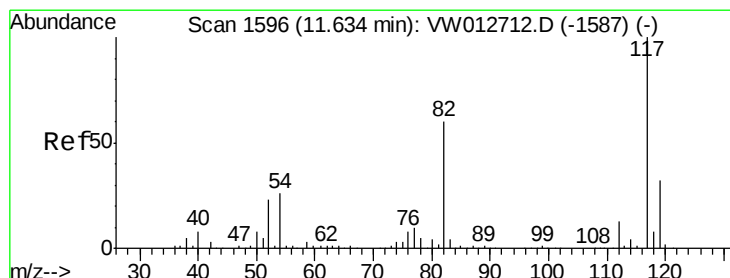
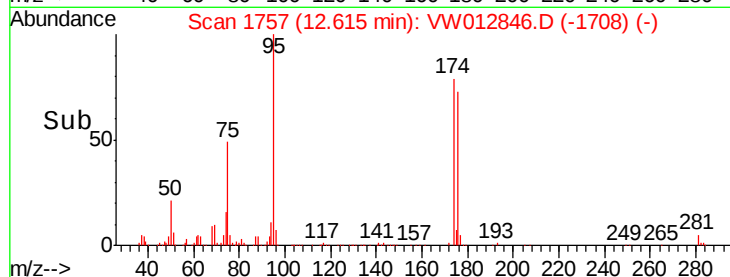
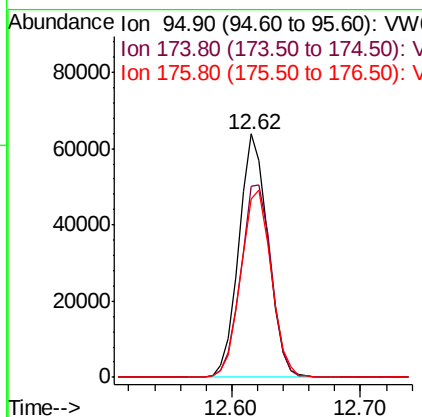
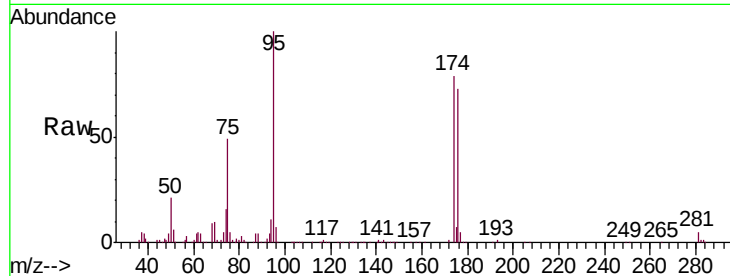




#62
4-Bromofluorobenzene
Concen: 38.918 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012846.D
Acq: 10 Sep 2019 02:47

Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(4)

Tgt Ion: 95 Resp: 100351
Ion Ratio Lower Upper
95 100
174 82.7 0.0 161.0
176 79.8 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012846.D
Acq: 10 Sep 2019 02:47

Tgt Ion: 117 Resp: 234847
Ion Ratio Lower Upper
117 100
82 60.1 48.2 72.4
119 30.9 25.8 38.6

