

Data File : VW012844.D
Acq On : 10 Sep 2019 01:55
Operator : SY/VA
Sample : K4644-03
Misc : 3.56G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(0)

Quant Time: Sep 10 07:08:58 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	268455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	398903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	140403	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	7.88	113	116213	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	10.32	98	473536	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	128892	38.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.42%	

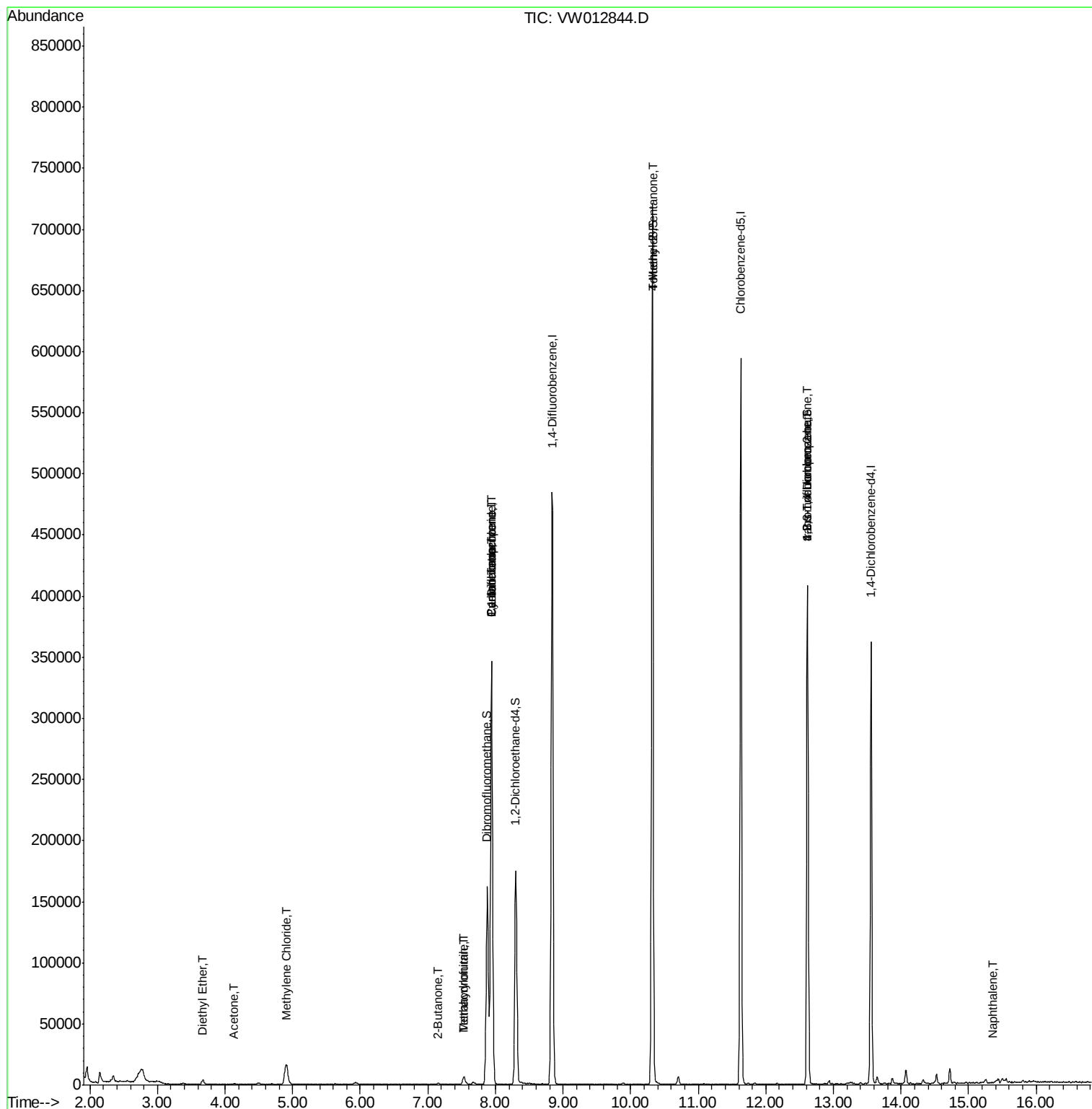
Target Compounds				Qvalue		
8) Diethyl Ether	3.67	74	1732	1.377	ug/l	72
16) Acetone	4.14	43	1330	1.626	ug/l #	84
20) Methylene Chloride	4.90	84	12539	4.901	ug/l	90
25) 2-Butanone	7.15	43	53	19.721	ug/l #	53
29) Tetrahydrofuran	7.52	42	5228	7.917	ug/l	97
31) Cyclohexane	7.94	56	5633	1.278	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19856	5.602	ug/l #	50
38) Carbon Tetrachloride	7.94	117	25290	7.238	ug/l #	16
41) Methacrylonitrile	7.54	41	3125	5.717	ug/l #	42
51) 4-Methyl-2-Pentanone	10.32	43	2665	1.186	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65834	66.806	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65834	141.298	ug/l #	6
95) Naphthalene	15.36	128	382	4.525	ug/l #	84

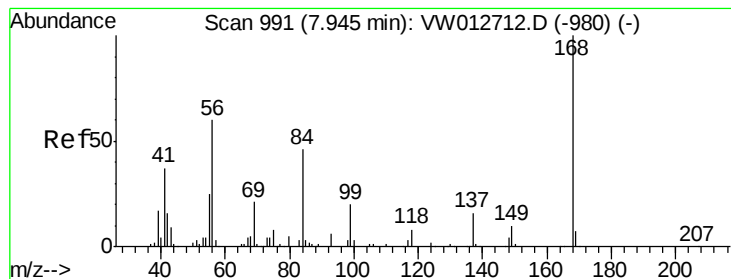
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012844.D

Acq: 10 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

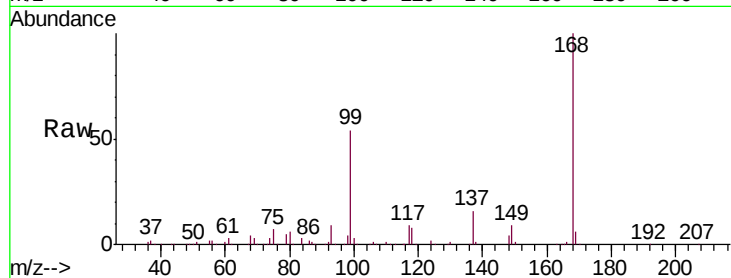
T11-D4-(0)

Tgt Ion:168 Resp: 268455

Ion Ratio Lower Upper

168 100

99 53.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

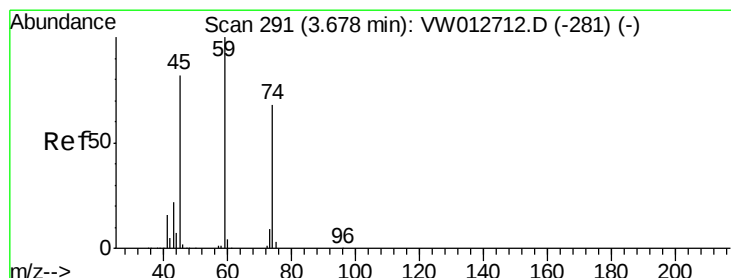
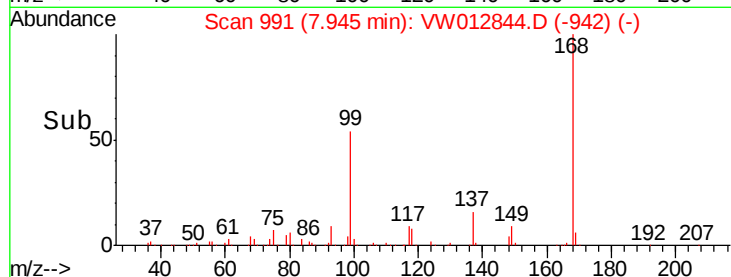
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.377 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012844.D

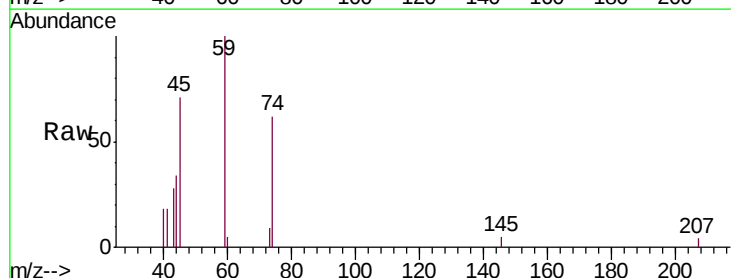
Acq: 10 Sep 2019 01:55

Tgt Ion: 74 Resp: 1732

Ion Ratio Lower Upper

74 100

45 148.8 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

1200

1000

800

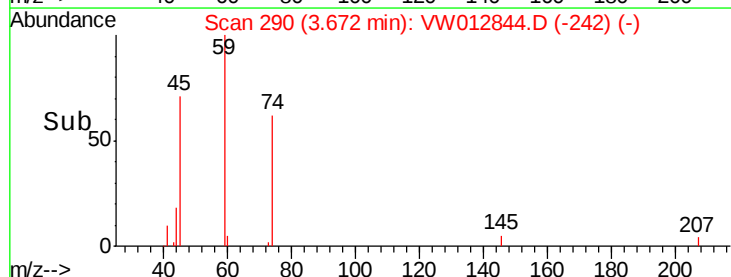
600

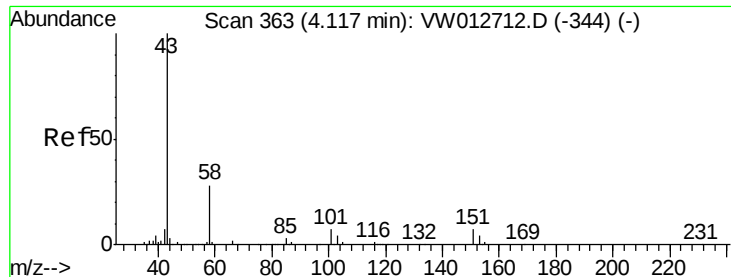
400

200

0

Time--> 3.60 3.65 3.70 3.75

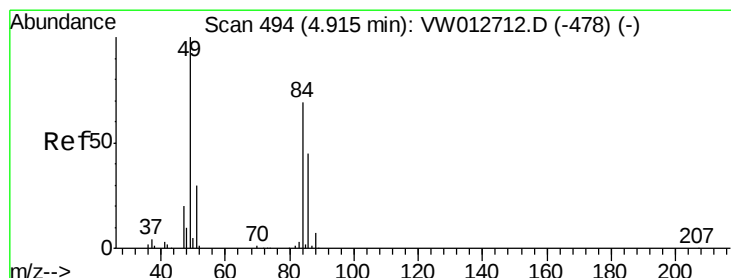
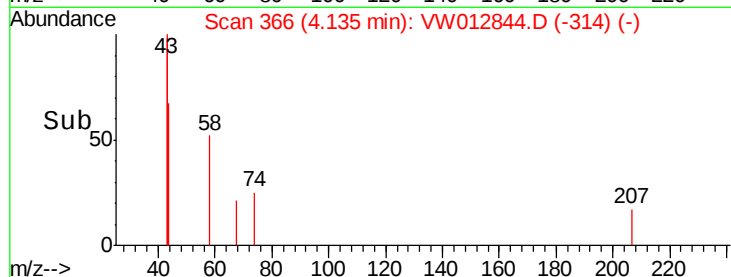
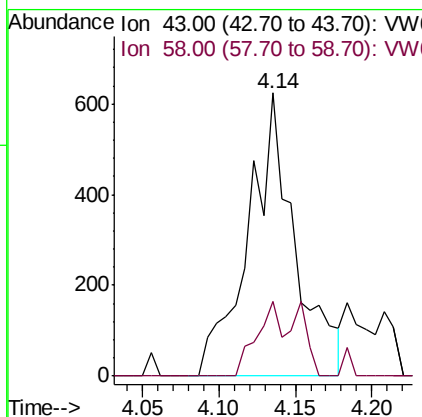
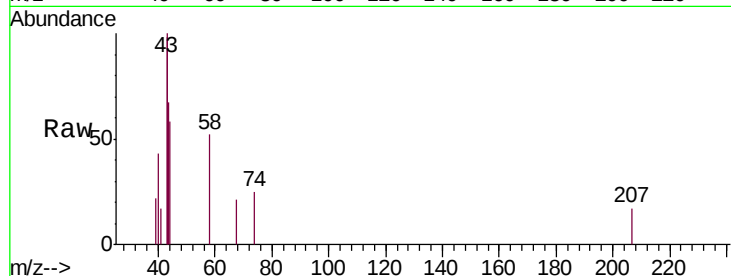




#16
Acetone
Concen: 1.626 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012844.D
Acq: 10 Sep 2019 01:55

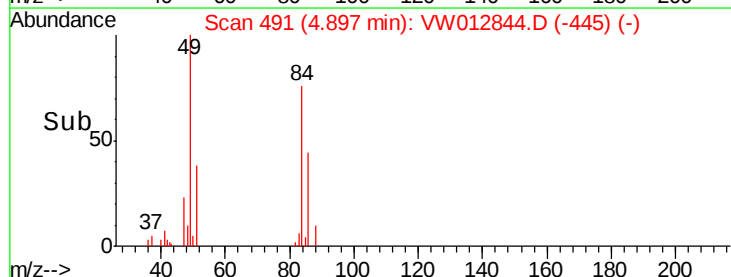
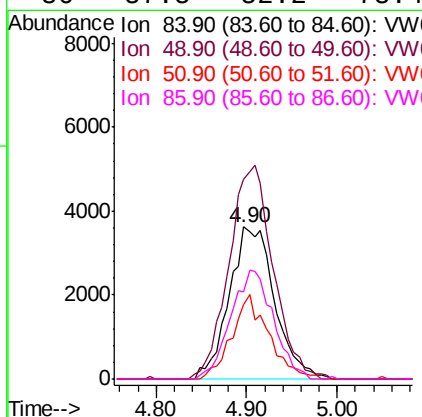
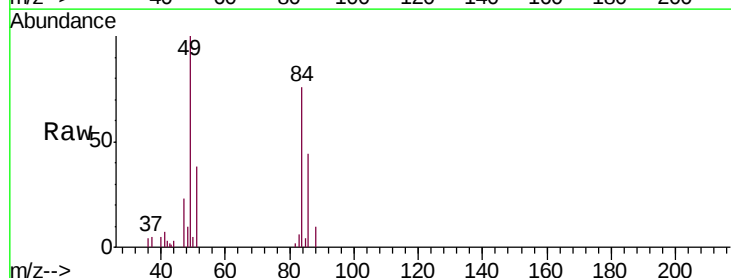
Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(0)

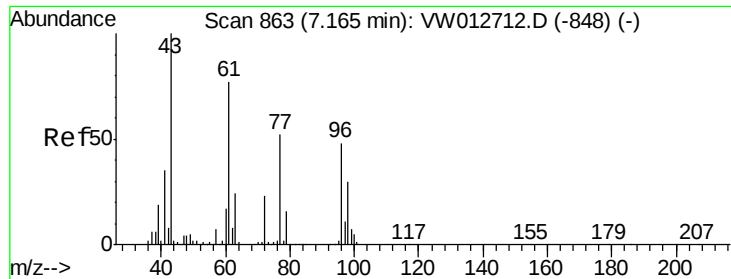
Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
58 19.6 22.6 33.8#



#20
Methylene Chloride
Concen: 4.901 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW012844.D
Acq: 10 Sep 2019 01:55

Tgt Ion: 84 Resp: 12539
Ion Ratio Lower Upper
84 100
49 131.1 115.4 173.0
51 49.2 34.9 52.3
86 57.5 52.2 78.4





#25

2-Butanone

Concen: 19.721 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

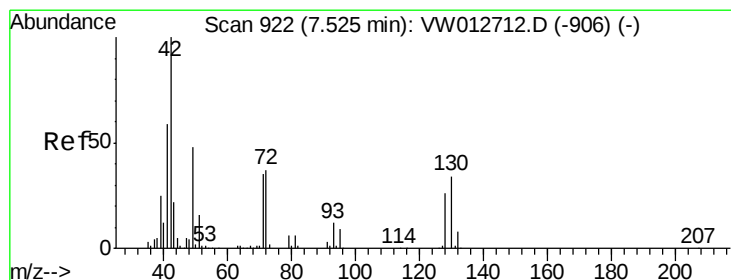
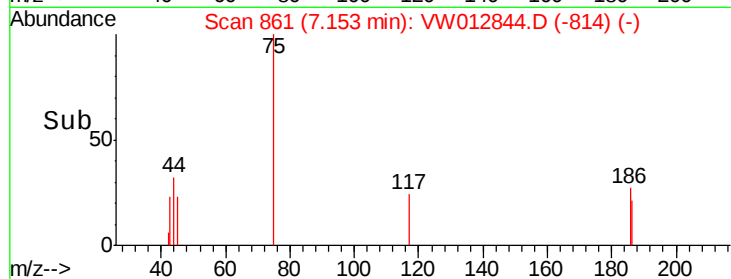
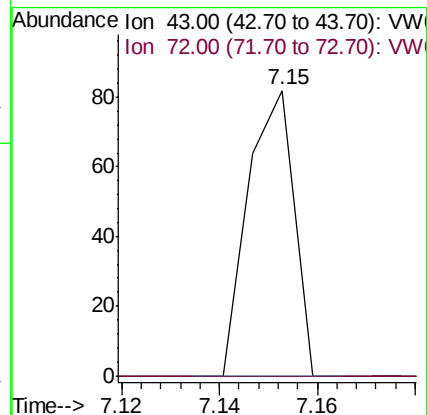
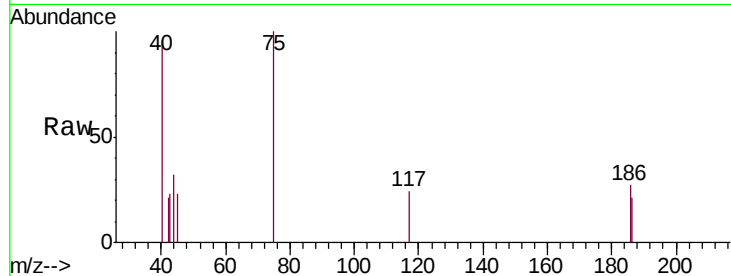
T11-D4-(0)

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 7.917 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

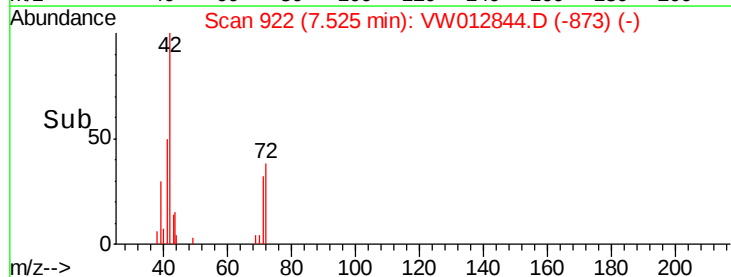
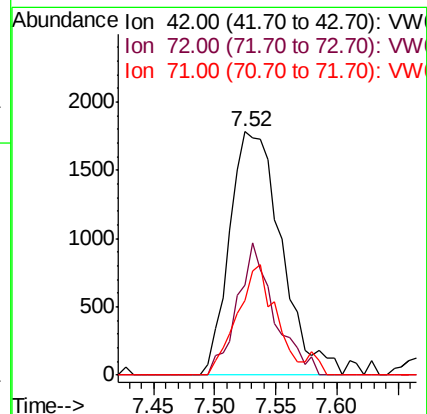
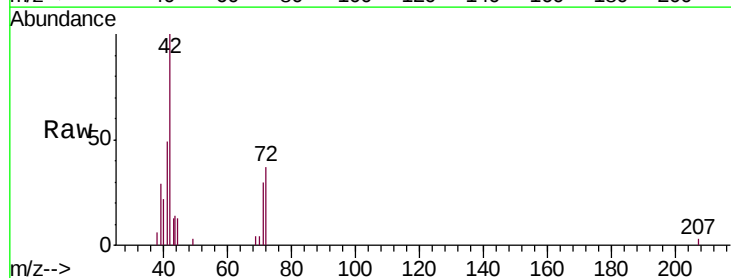
Tgt Ion: 42 Resp: 5228

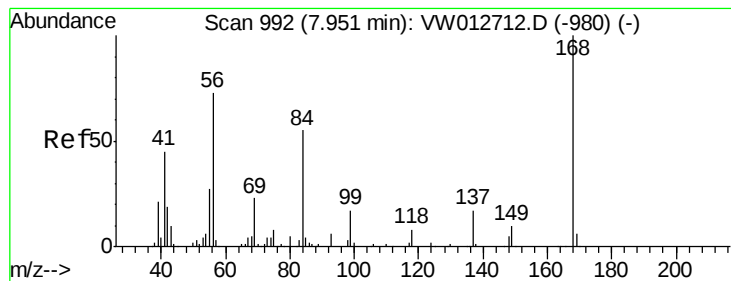
Ion Ratio Lower Upper

42 100

72 38.7 28.4 42.6

71 34.4 27.1 40.7





#31

Cyclohexane

Concen: 1.278 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

T11-D4-(0)

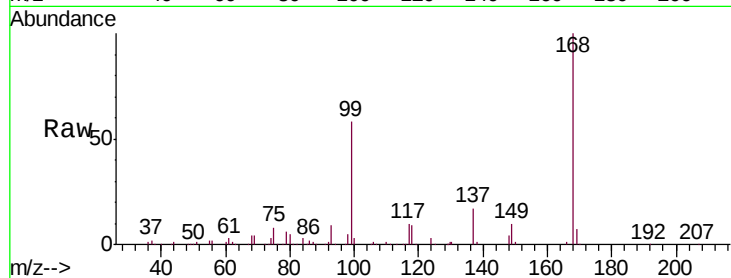
Tgt Ion: 56 Resp: 5633

Ion Ratio Lower Upper

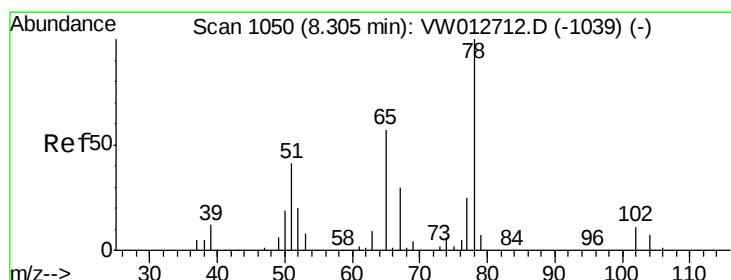
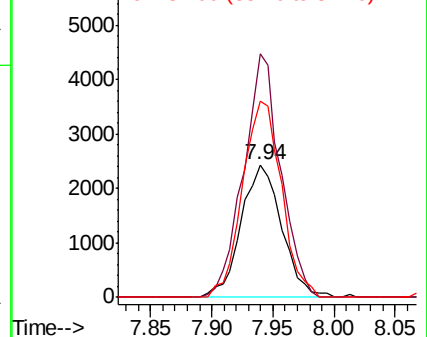
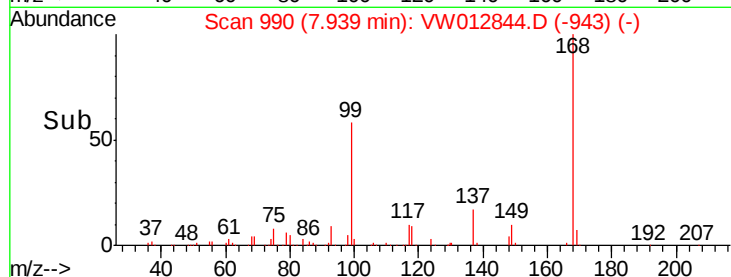
56 100

69 183.3 25.7 38.5#

84 148.1 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: 46.808 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012844.D

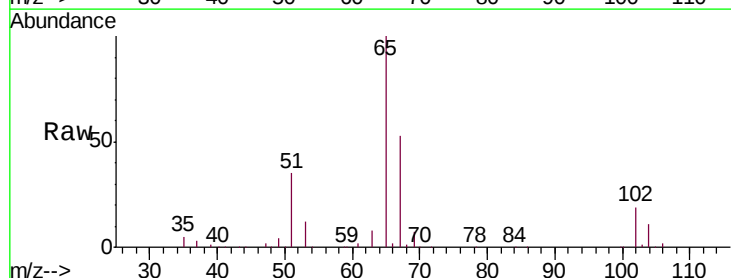
Acq: 10 Sep 2019 01:55

Tgt Ion: 65 Resp: 140403

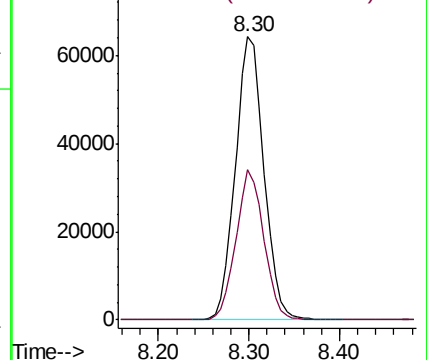
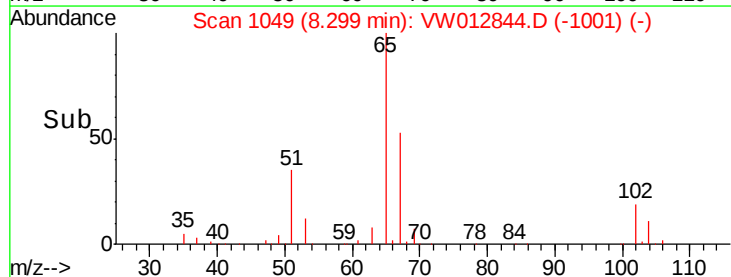
Ion Ratio Lower Upper

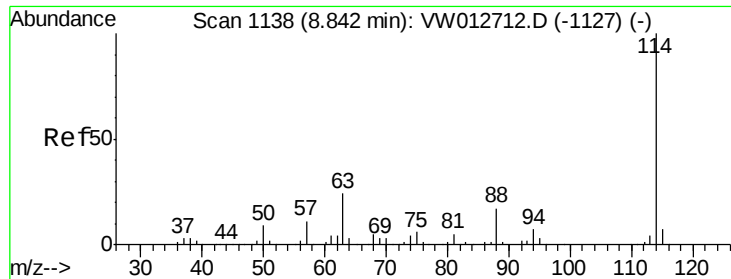
65 100

67 51.7 0.0 101.8



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

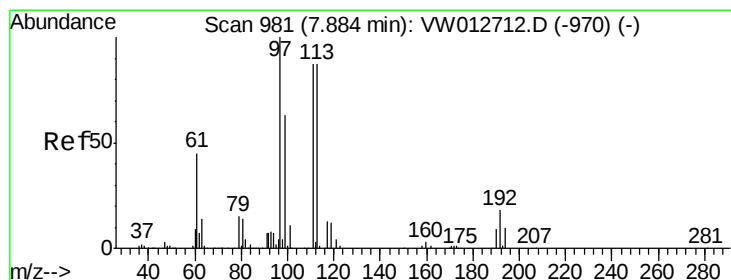
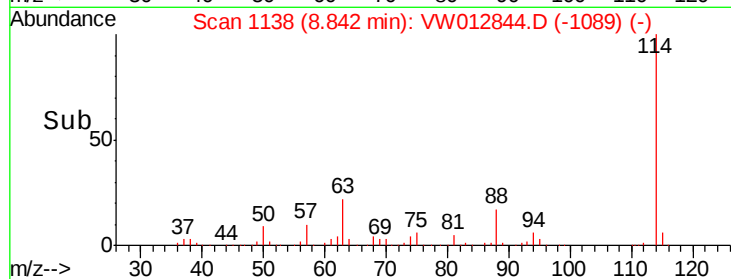
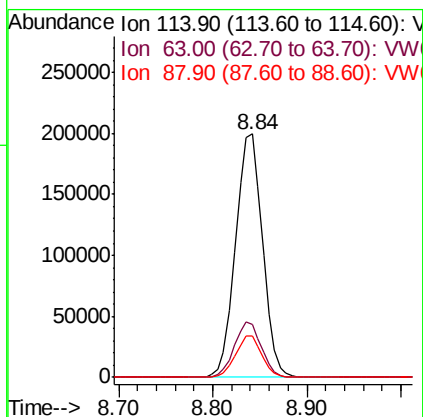
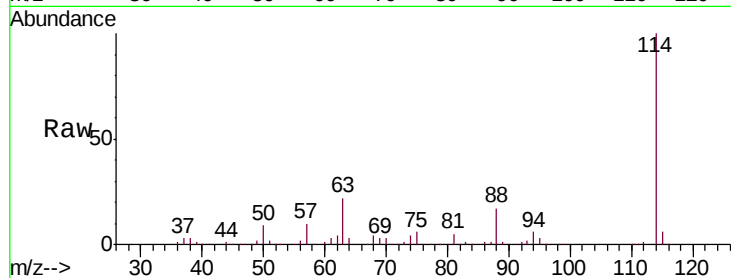




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

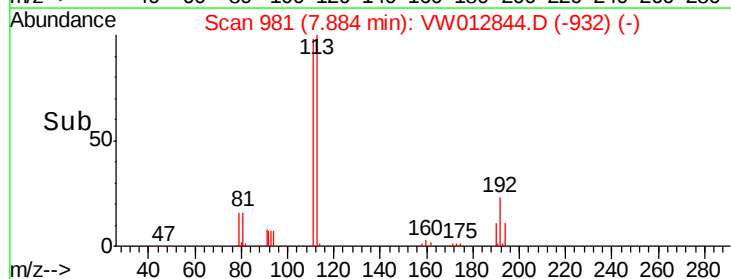
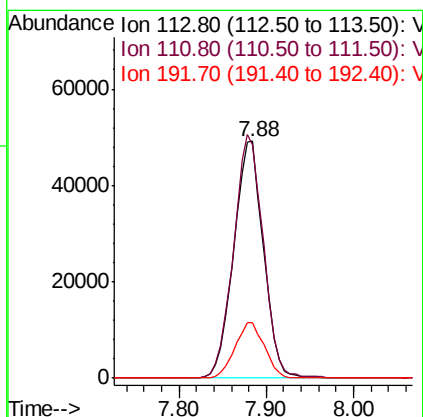
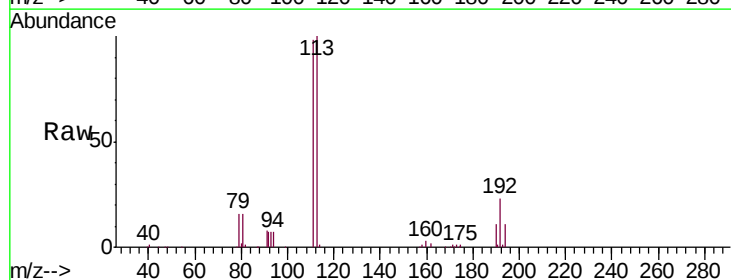
Instrument :
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 T11-D4-(0)

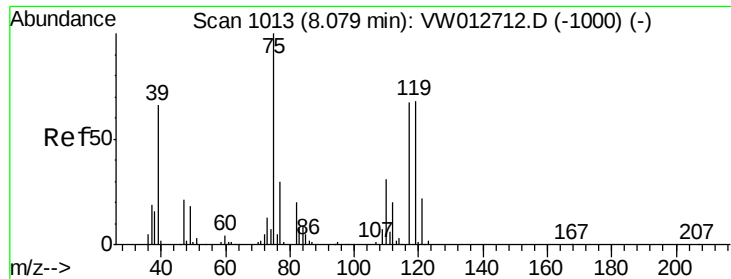
Tgt Ion:114 Resp: 398903
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 17.1 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.002 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

Tgt Ion:113 Resp: 116213
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.2 120.4
 192 23.2 17.3 25.9

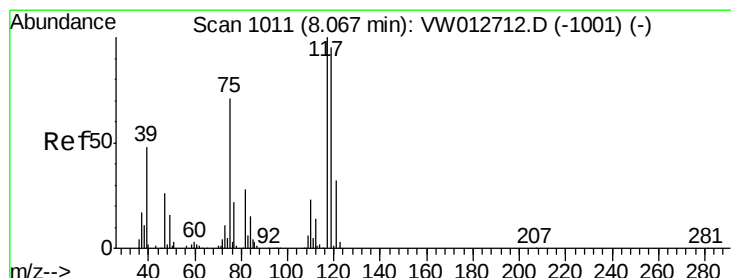
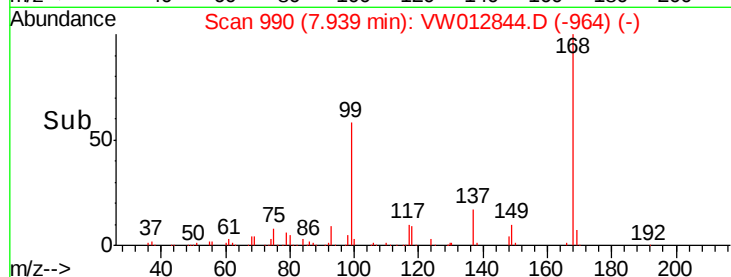
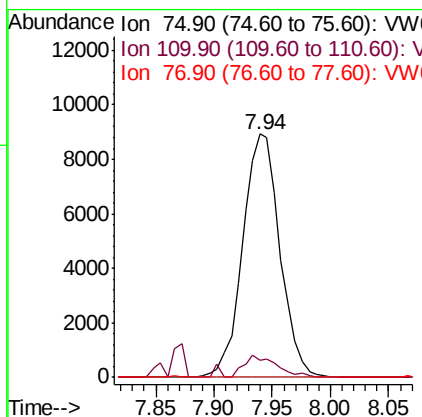
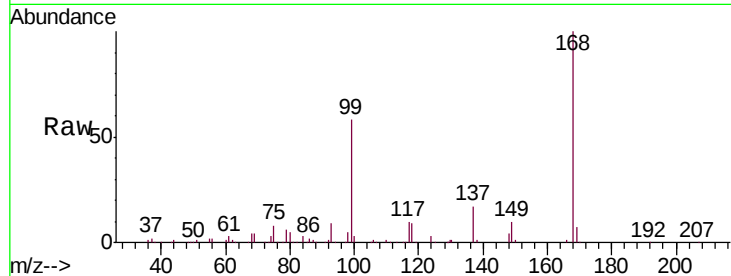




#36
 1,1-Dichloropropene
 Concen: 5.602 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

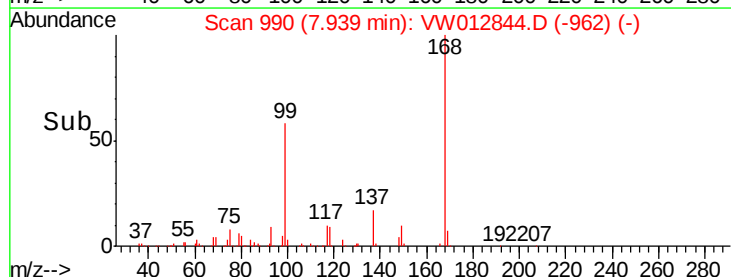
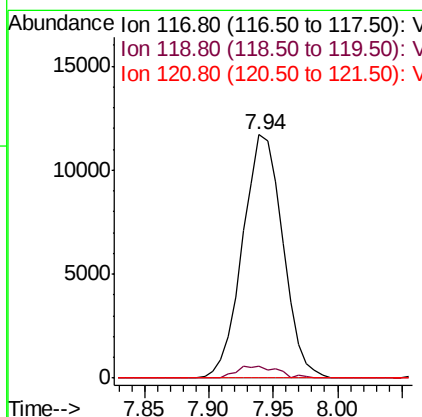
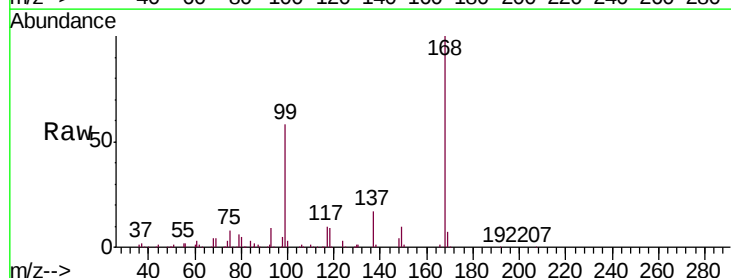
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D4-(0)

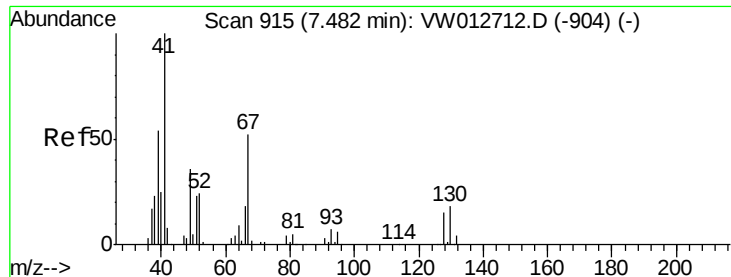
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.238 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 5.717 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

T11-D4-(0)

Tgt Ion: 41 Resp: 3125

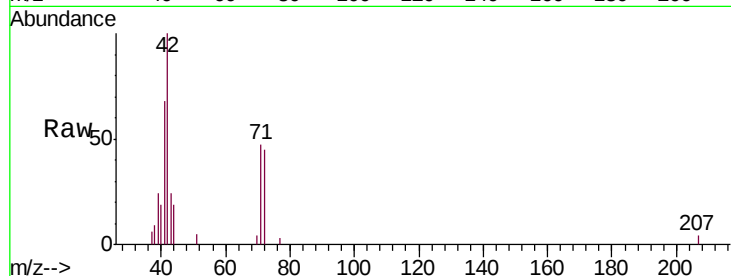
Ion Ratio Lower Upper

41 100

39 27.2 47.5 71.3#

67 0.0 45.1 67.7#

52 0.8 20.2 30.2#

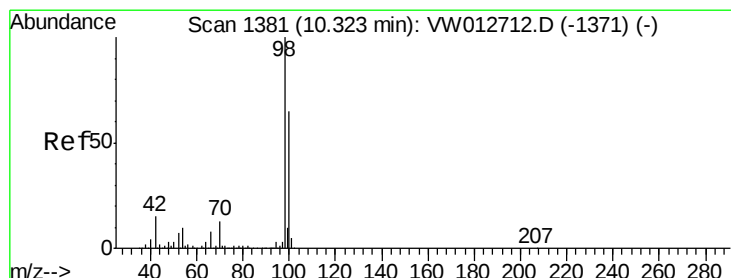
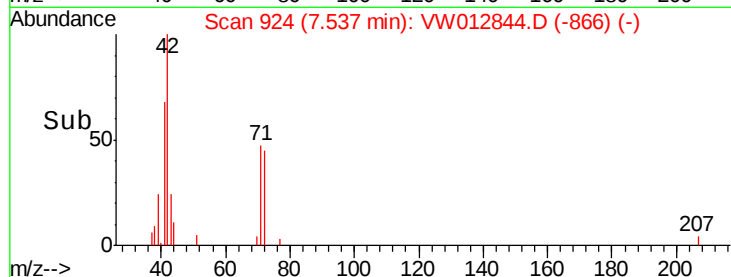
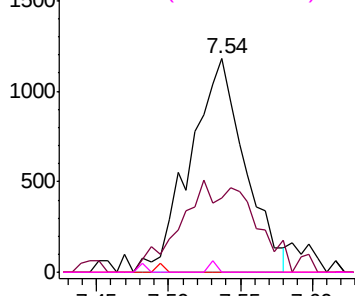


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.965 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012844.D

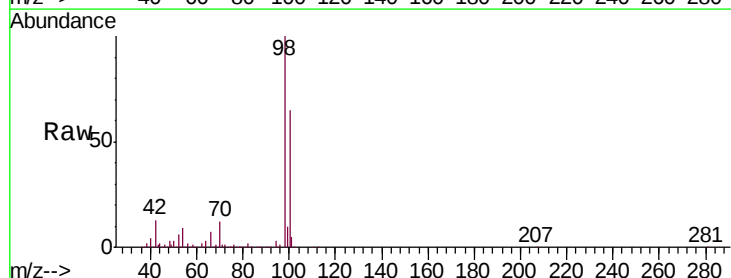
Acq: 10 Sep 2019 01:55

Tgt Ion: 98 Resp: 473536

Ion Ratio Lower Upper

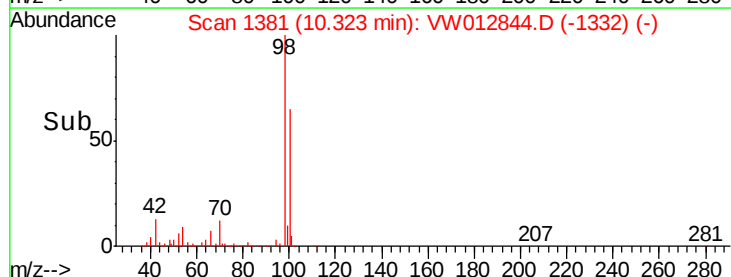
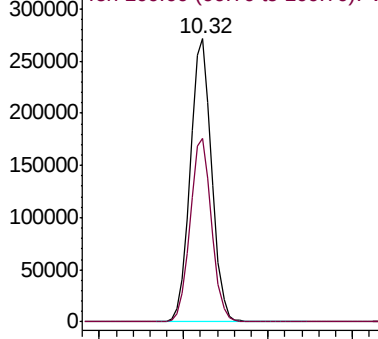
98 100

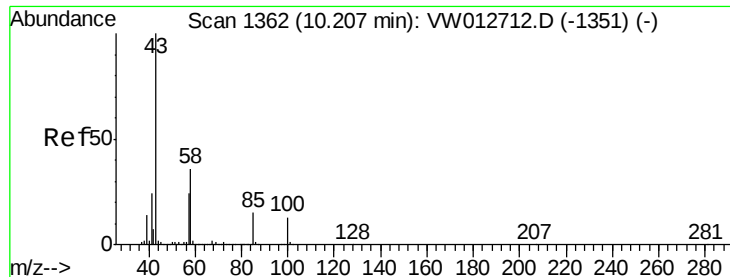
100 65.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

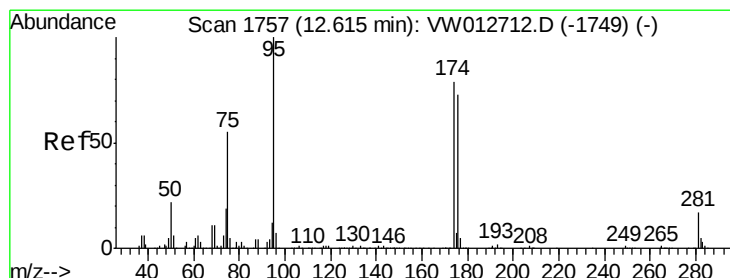
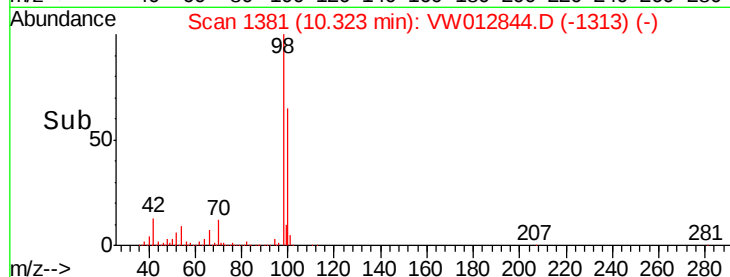
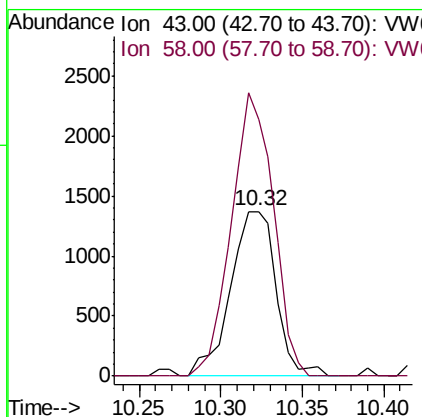
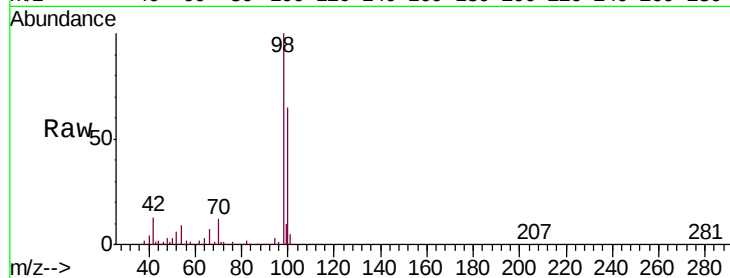




#51
 4-Methyl-2-Pentanone
 Concen: 1.186 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

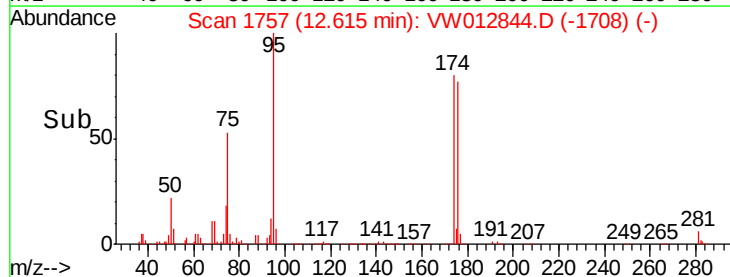
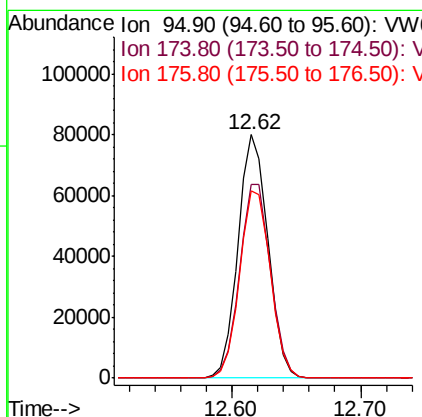
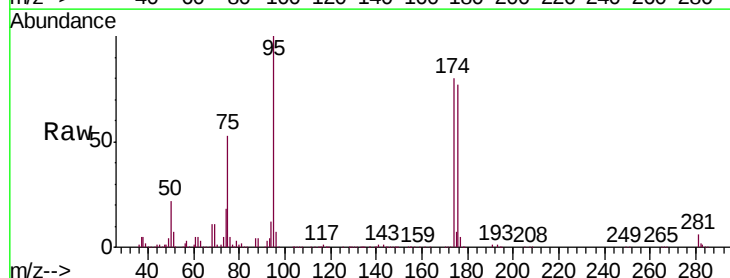
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D4-(0)

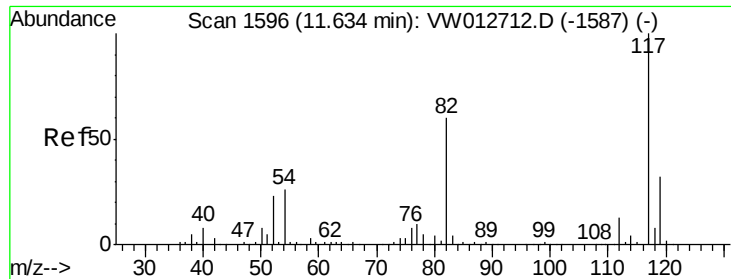
Tgt Ion: 43 Resp: 2665
 Ion Ratio Lower Upper
 43 100
 58 158.4 28.4 42.6#



#62
 4-Bromofluorobenzene
 Concen: 38.212 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012844.D
 Acq: 10 Sep 2019 01:55

Tgt Ion: 95 Resp: 128892
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 161.0
 176 78.9 0.0 156.4

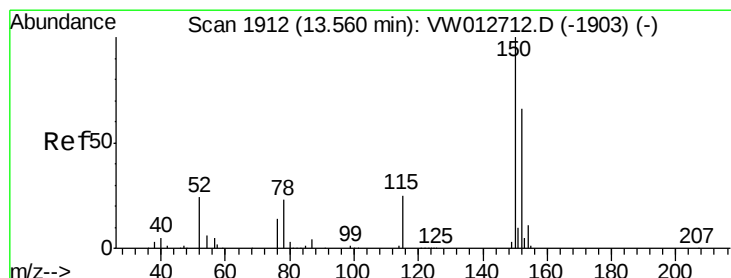
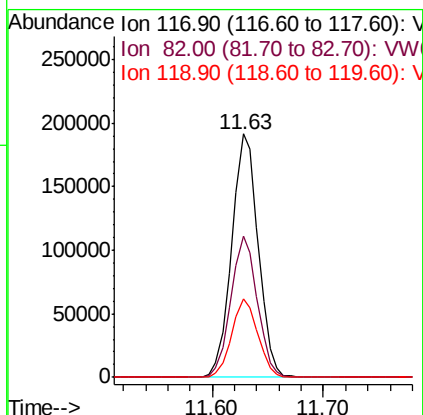
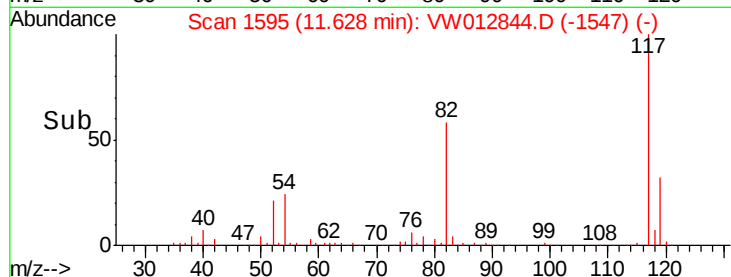
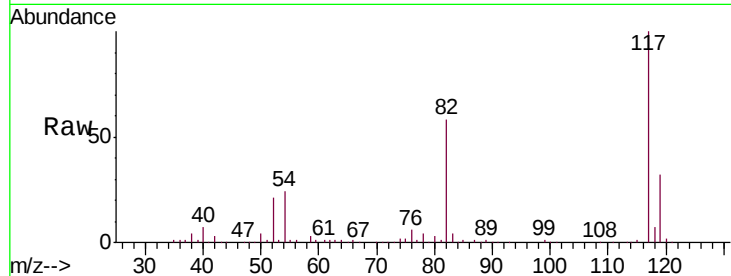




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012844.D
Acq: 10 Sep 2019 01:55

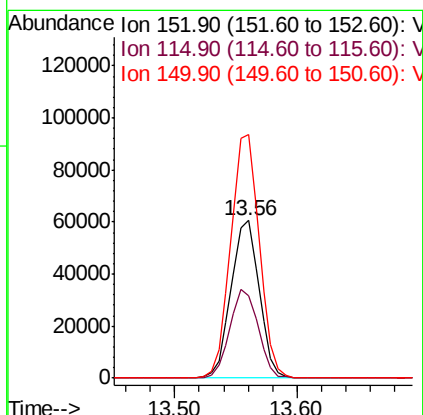
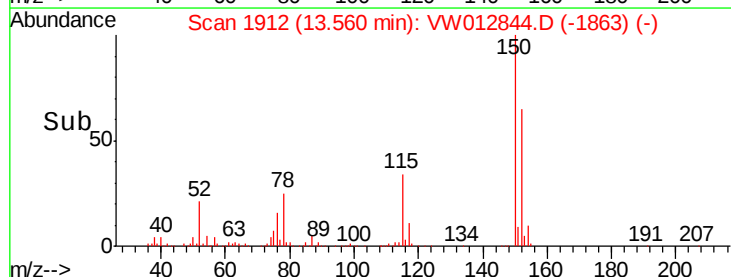
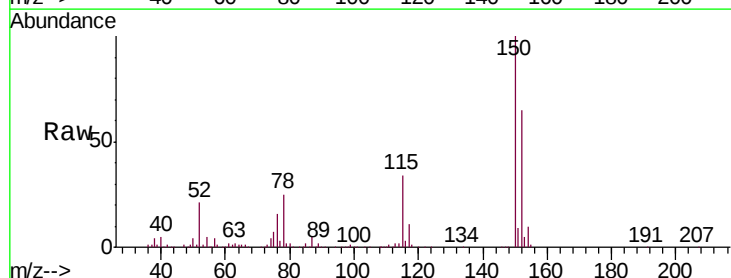
Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(0)

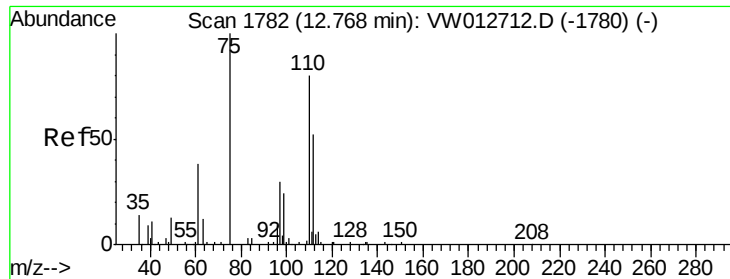
Tgt Ion:117 Resp: 314068
Ion Ratio Lower Upper
117 100
82 57.9 48.2 72.4
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012844.D
Acq: 10 Sep 2019 01:55

Tgt Ion:152 Resp: 96373
Ion Ratio Lower Upper
152 100
115 56.3 30.0 90.1
150 156.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 66.806 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

Instrument :

MSVOA_W

ClientSampleId :

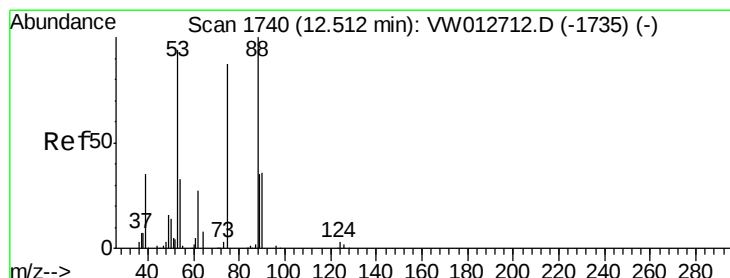
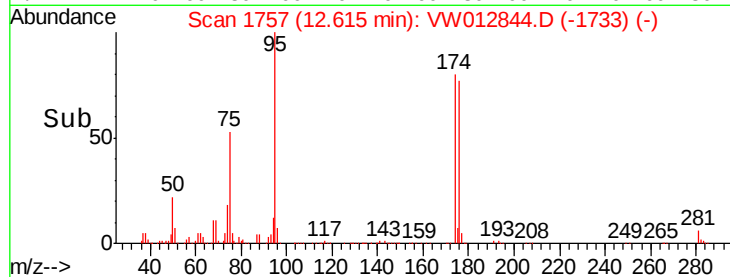
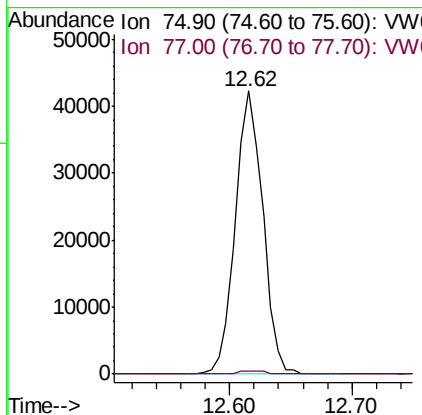
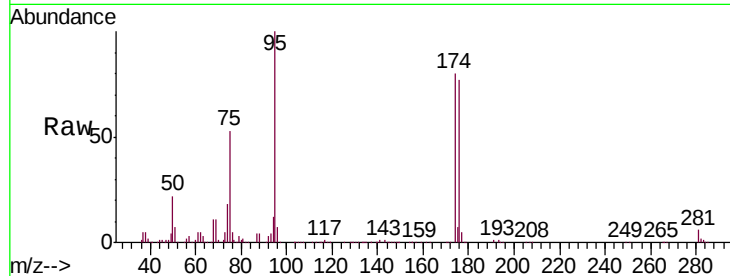
T11-D4-(0)

Tgt Ion: 75 Resp: 65834

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.298 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012844.D

Acq: 10 Sep 2019 01:55

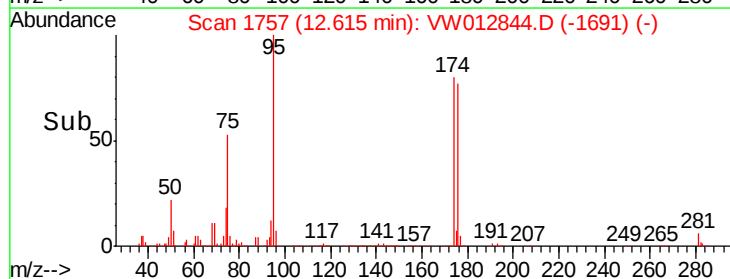
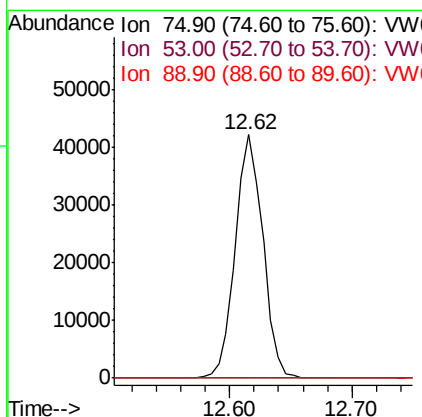
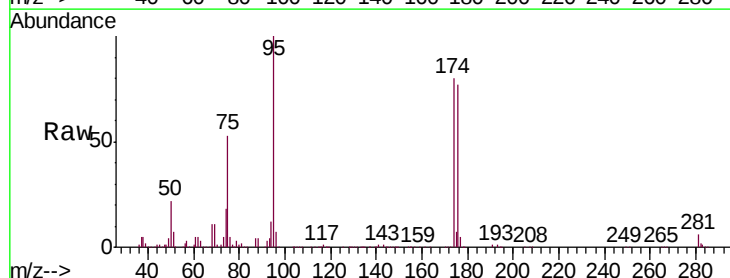
Tgt Ion: 75 Resp: 65834

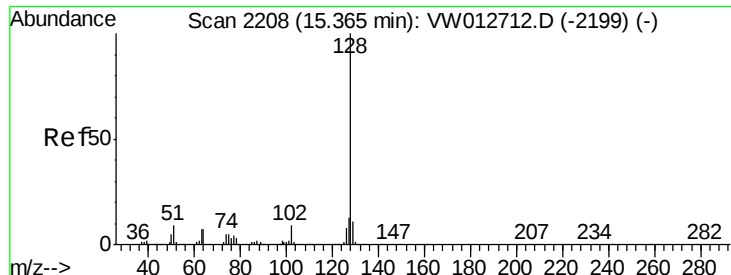
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.525 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012844.D
Acq: 10 Sep 2019 01:55

Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(0)

Tgt Ion:128 Resp: 382
Ion Ratio Lower Upper
128 100
127 5.0 10.7 16.1#
129 7.3 8.7 13.1#

