

Data File : VW012845.D
Acq On : 10 Sep 2019 02:21
Operator : SY/VA
Sample : K4644-04
Misc : 6.71G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D1-(4)

Quant Time: Sep 10 07:09:16 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	258790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	97341	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136362	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
35) Dibromofluoromethane	7.88	113	114077	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.32	98	442333	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.62	95	121676	37.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.10%	

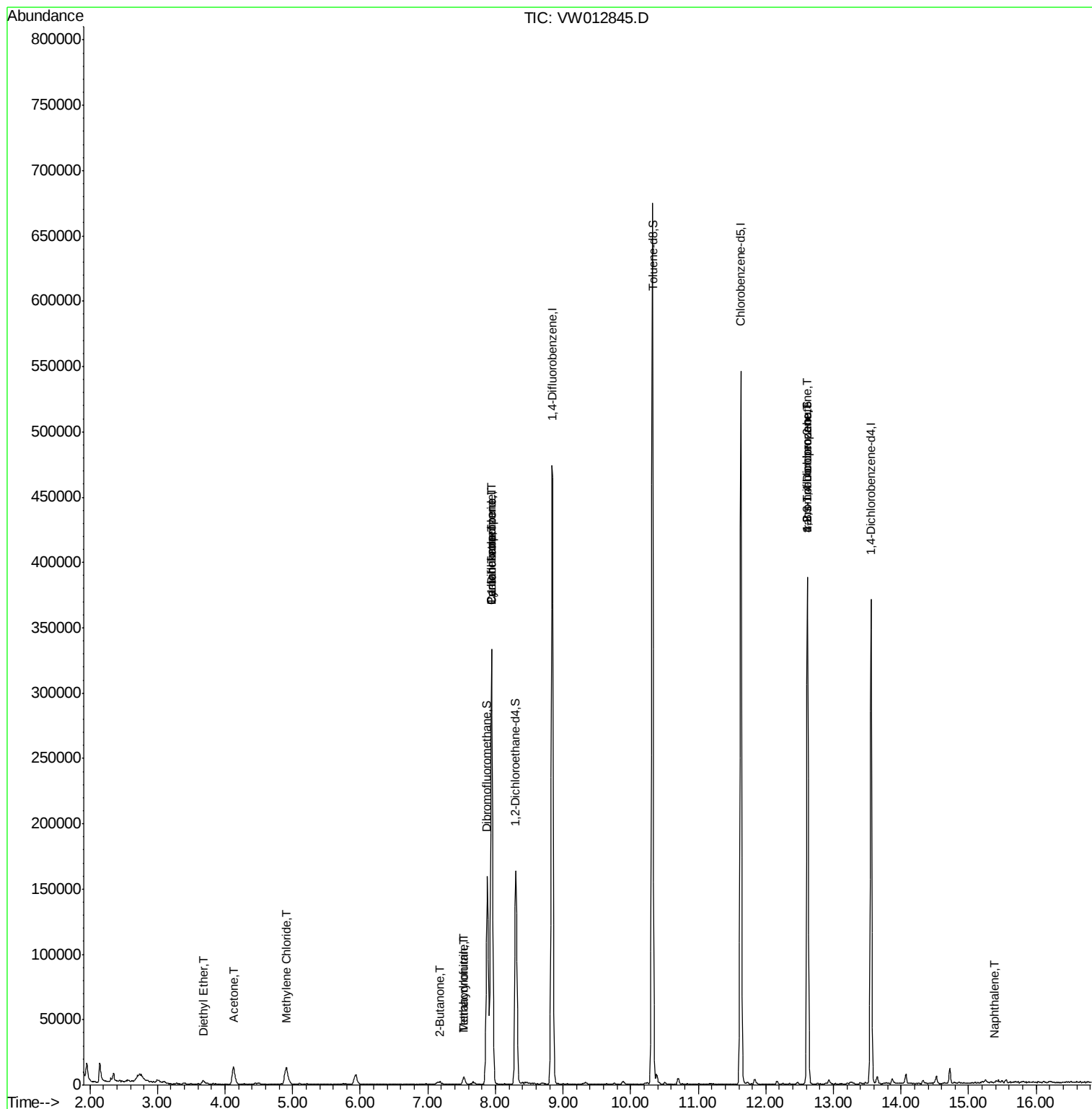
Target Compounds				Qvalue		
8) Diethyl Ether	3.67	74	1583	1.306	ug/l	97
16) Acetone	4.12	43	26332	33.404	ug/l	98
20) Methylene Chloride	4.91	84	9788	3.969	ug/l #	83
25) 2-Butanone	7.18	43	2782	21.888	ug/l	98
29) Tetrahydrofuran	7.52	42	4641	7.291	ug/l #	92
31) Cyclohexane	7.94	56	5528	1.301	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18858	5.464	ug/l #	52
38) Carbon Tetrachloride	7.94	117	24914	7.323	ug/l #	15
41) Methacrylonitrile	7.53	41	2747	5.535	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	63969	64.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63969	135.930	ug/l #	6
95) Naphthalene	15.37	128	413	4.531	ug/l #	85

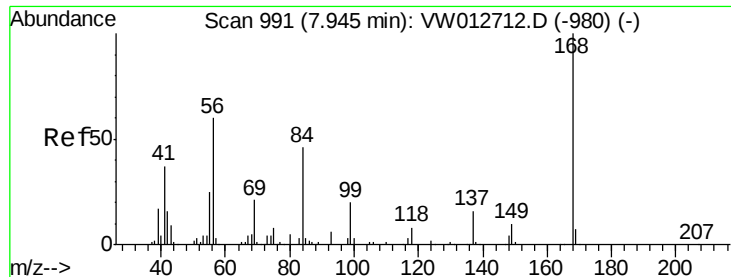
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012845.D

Acq: 10 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

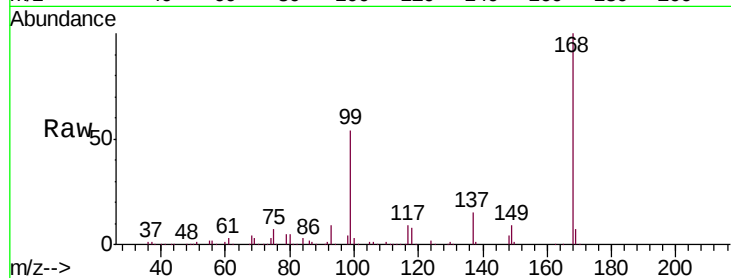
T11-D1-(4)

Tgt Ion:168 Resp: 258790

Ion Ratio Lower Upper

168 100

99 53.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

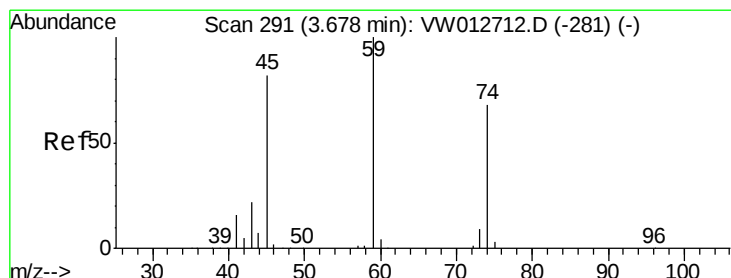
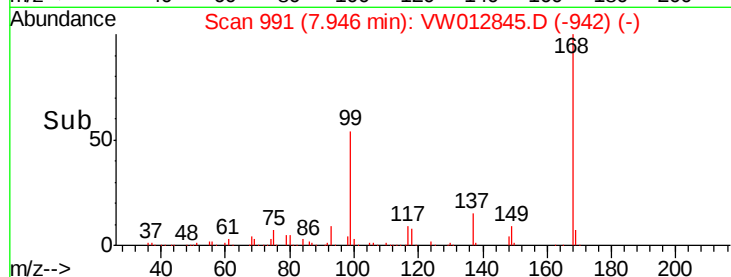
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.306 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012845.D

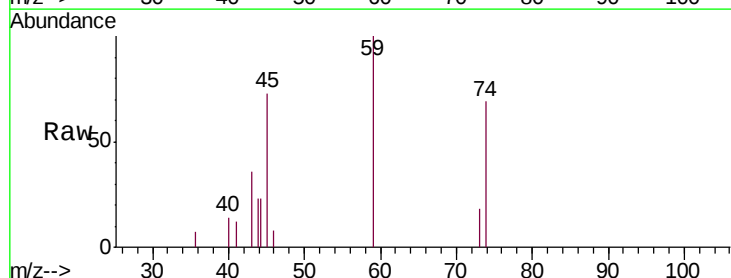
Acq: 10 Sep 2019 02:21

Tgt Ion: 74 Resp: 1583

Ion Ratio Lower Upper

74 100

45 121.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

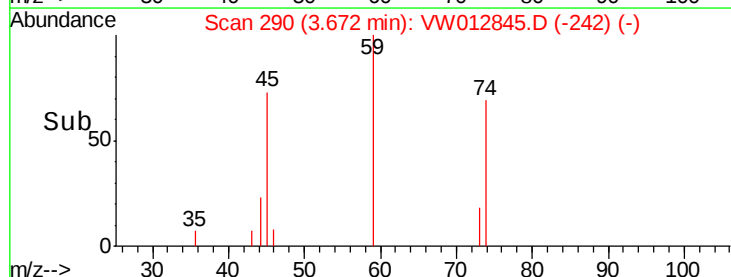
600

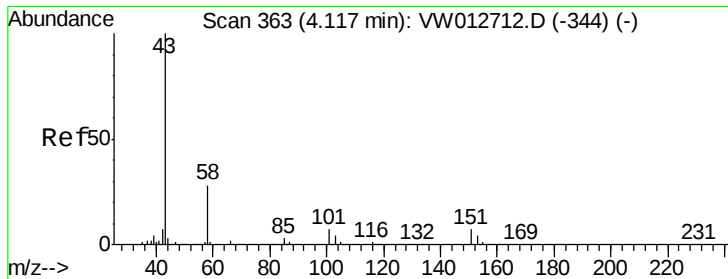
400

200

0

Time-->

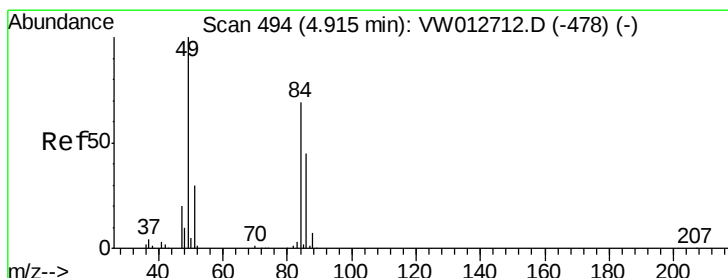
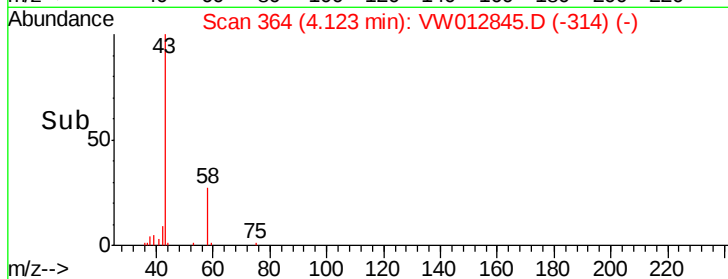
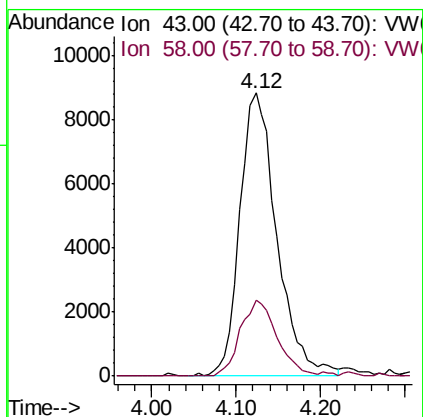
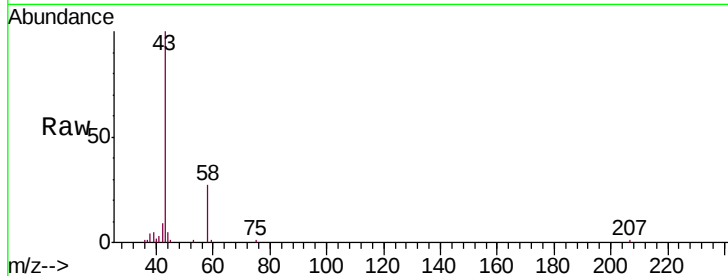




#16
Acetone
Concen: 33.404 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

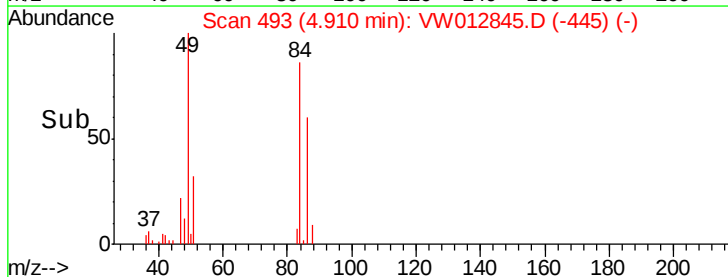
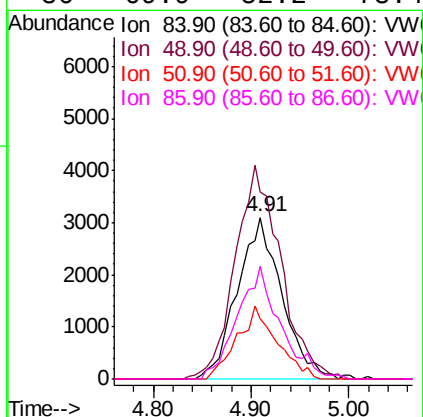
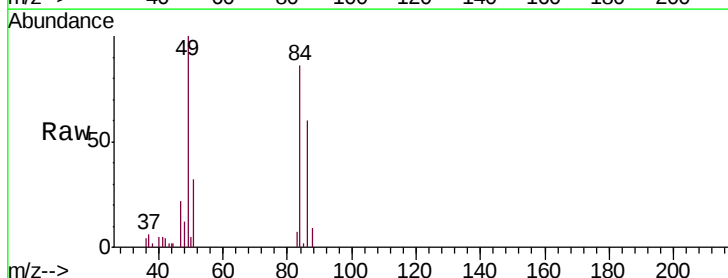
Instrument :
MSVOA_W
ClientSampleId :
T11-D1-(4)

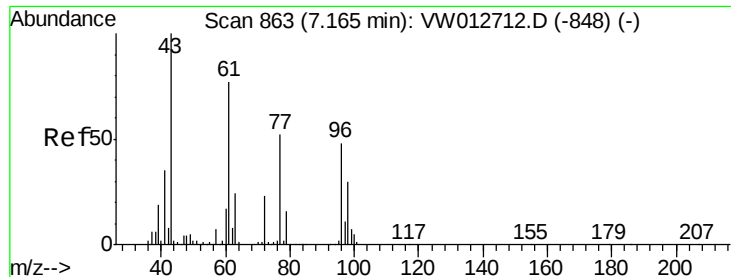
Tgt Ion: 43 Resp: 26332
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8



#20
Methylene Chloride
Concen: 3.969 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Tgt Ion: 84 Resp: 9788
Ion Ratio Lower Upper
84 100
49 113.9 115.4 173.0#
51 37.3 34.9 52.3
86 69.9 52.2 78.4





#25

2-Butanone

Concen: 21.888 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampled :

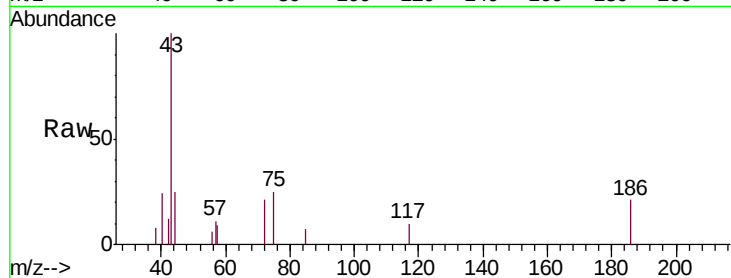
T11-D1-(4)

Tgt Ion: 43 Resp: 2782

Ion Ratio Lower Upper

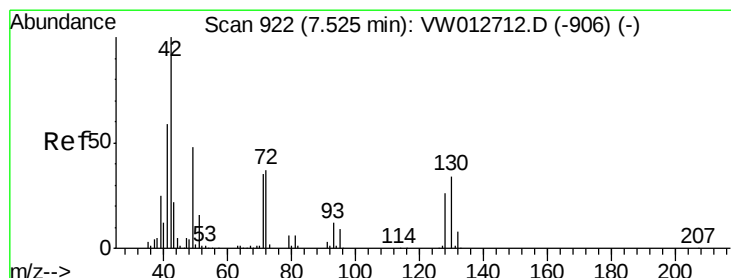
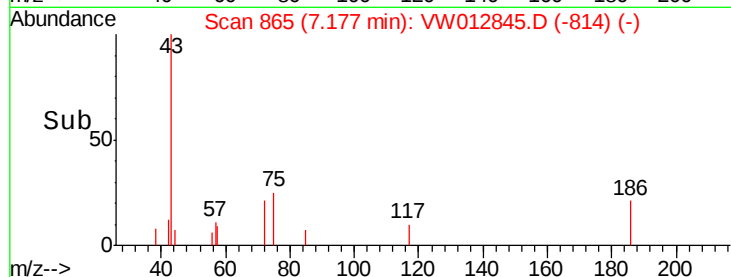
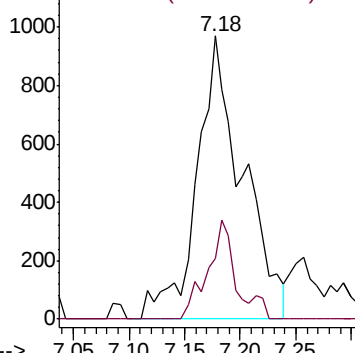
43 100

72 21.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 7.291 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

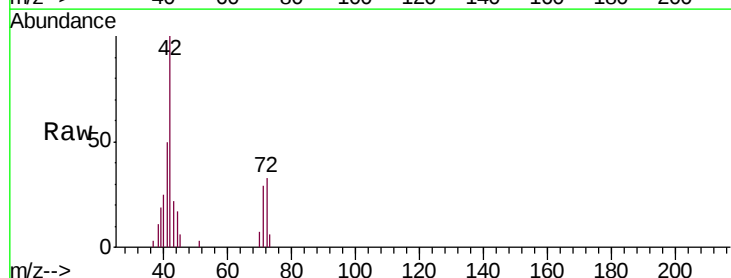
Tgt Ion: 42 Resp: 4641

Ion Ratio Lower Upper

42 100

72 37.7 28.4 42.6

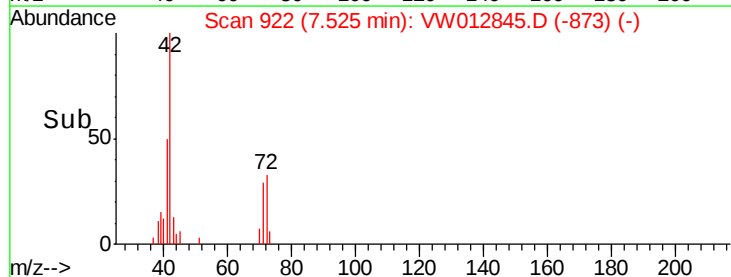
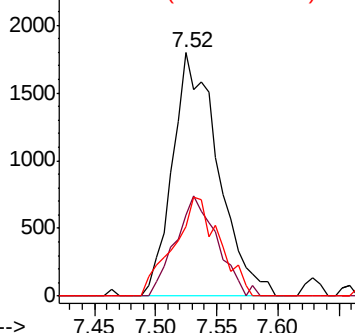
71 40.9 27.1 40.7#

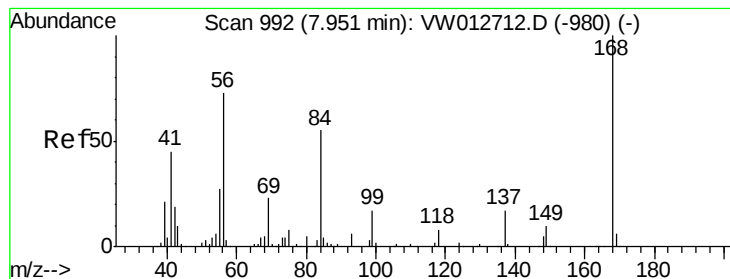


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.301 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T11-D1-(4)

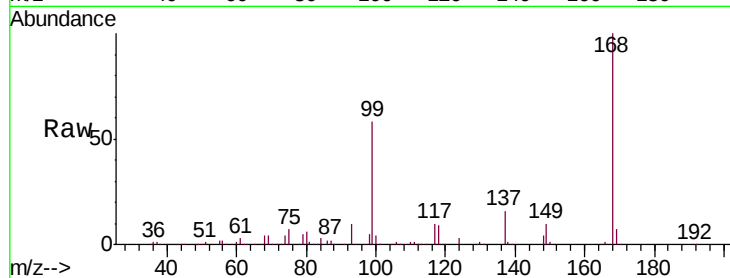
Tgt Ion: 56 Resp: 5528

Ion Ratio Lower Upper

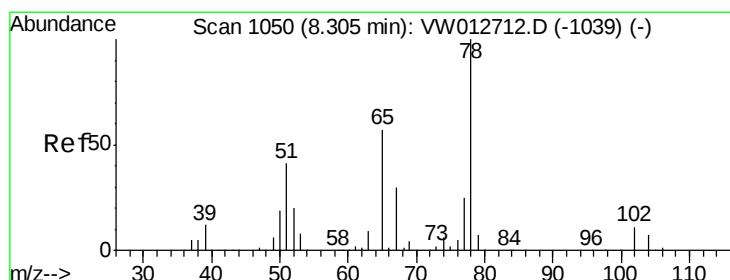
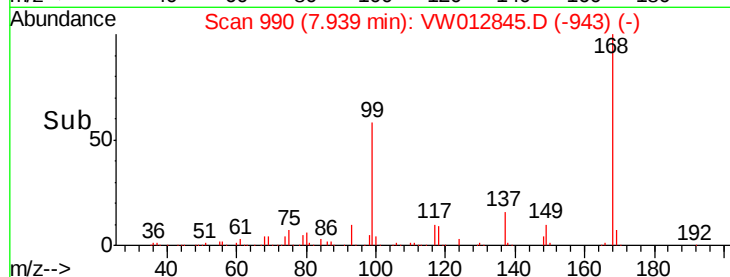
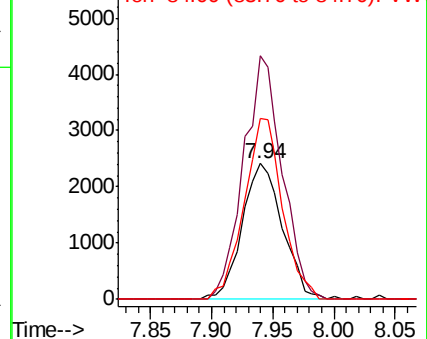
56 100

69 179.1 25.7 38.5#

84 132.7 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: 47.159 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012845.D

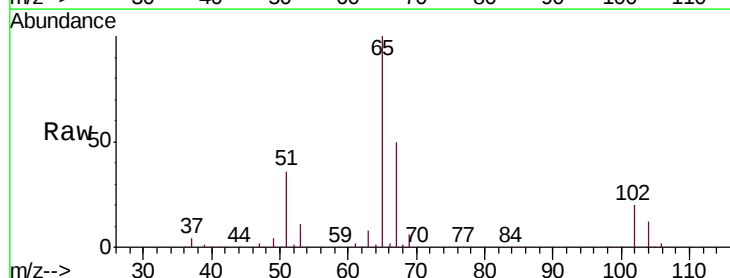
Acq: 10 Sep 2019 02:21

Tgt Ion: 65 Resp: 136362

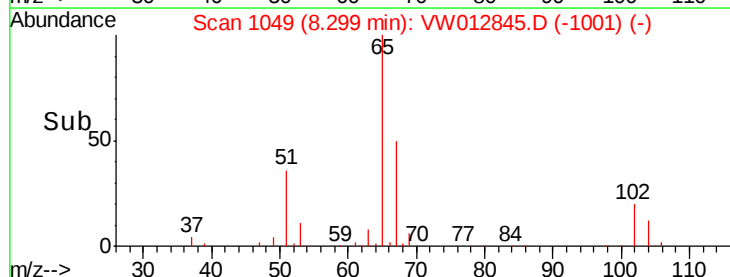
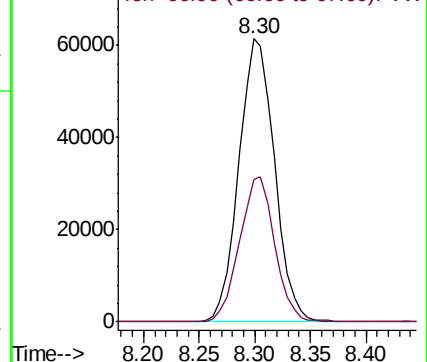
Ion Ratio Lower Upper

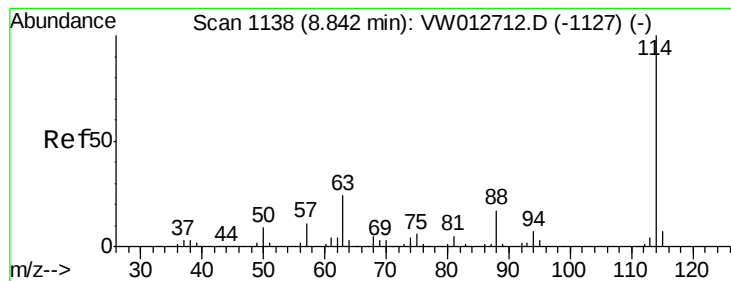
65 100

67 50.8 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# 1137

Delta R.T. -0.01 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T11-D1-(4)

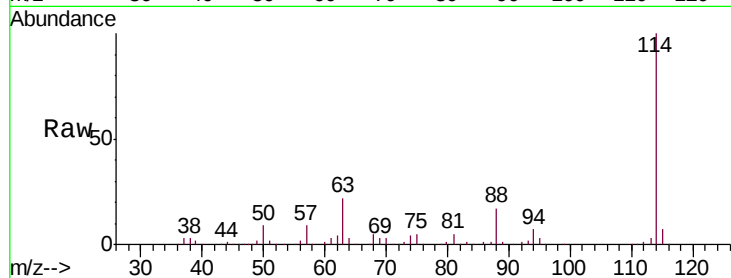
Tgt Ion:114 Resp: 388422

Ion Ratio Lower Upper

114 100

63 21.9 0.0 47.2

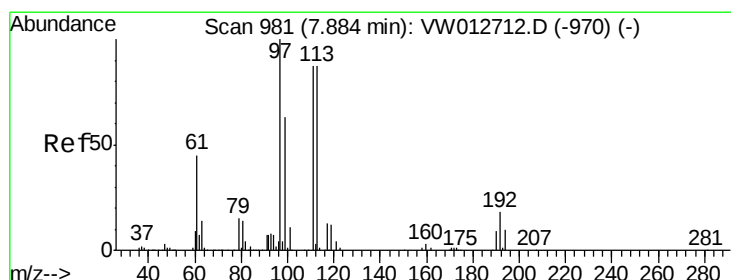
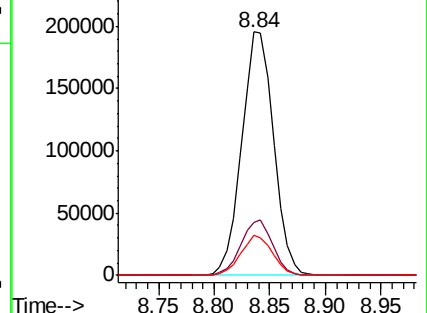
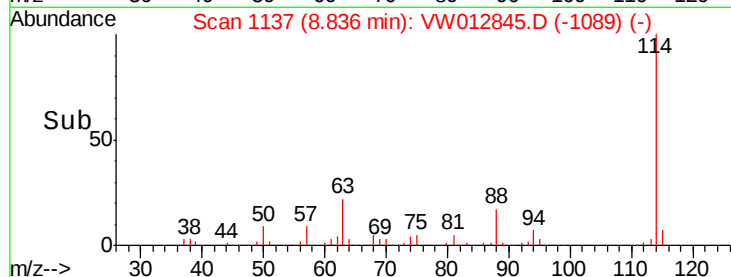
88 16.7 0.0 34.0



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: 49.399 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

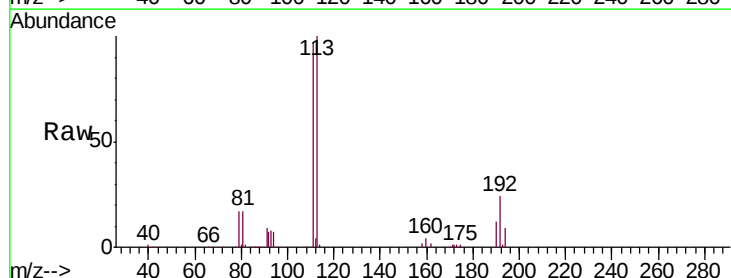
Tgt Ion:113 Resp: 114077

Ion Ratio Lower Upper

113 100

111 103.1 80.2 120.4

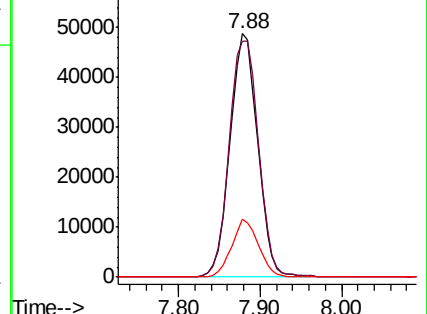
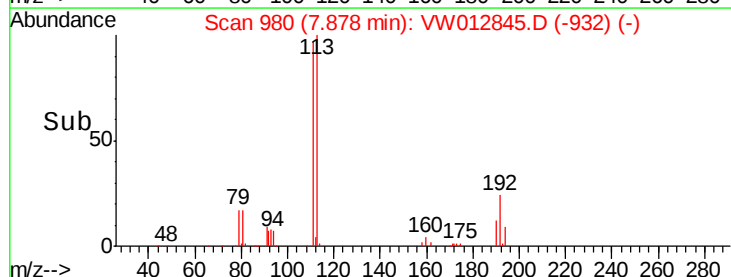
192 22.8 17.3 25.9

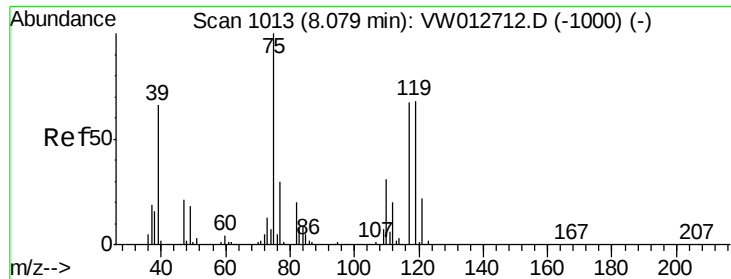


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

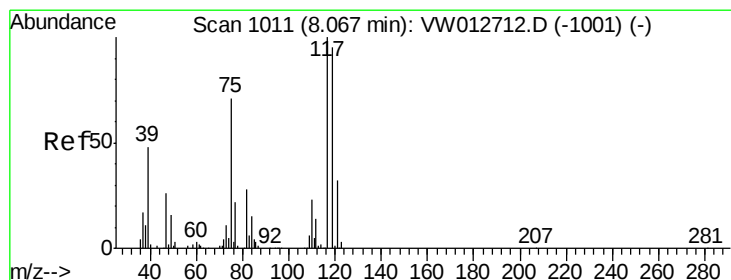
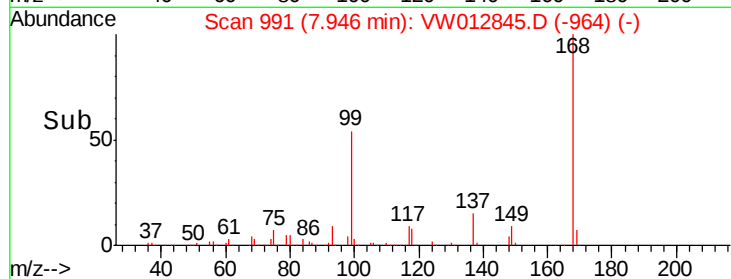
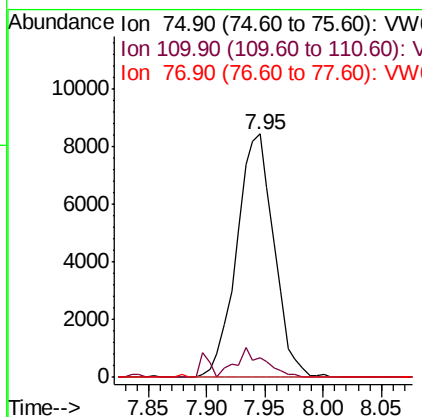
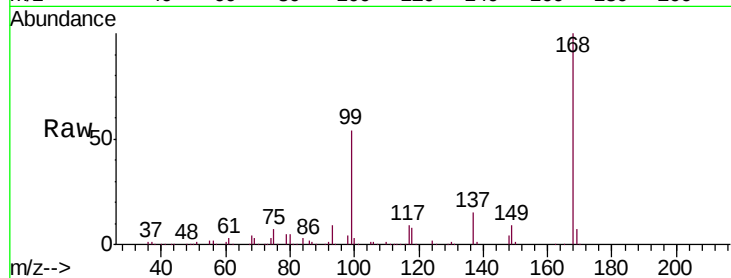




#36
 1,1-Dichloropropene
 Concen: 5.464 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012845.D
 Acq: 10 Sep 2019 02:21

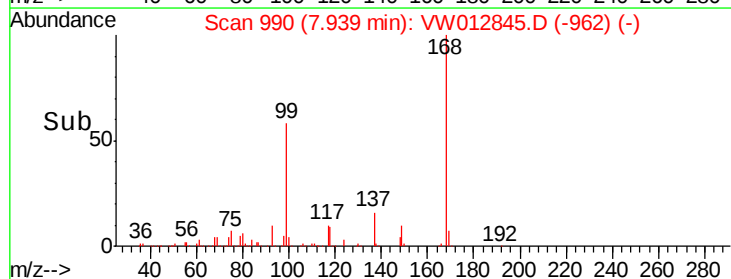
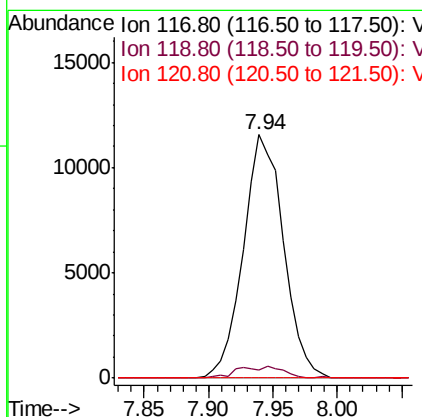
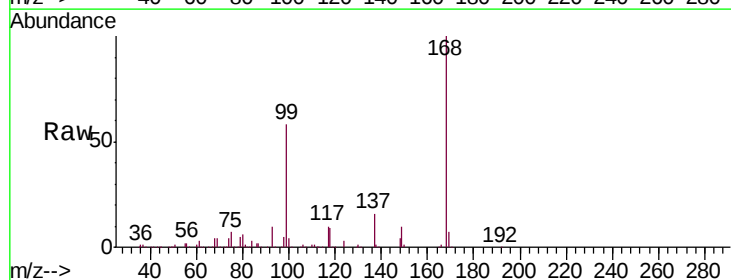
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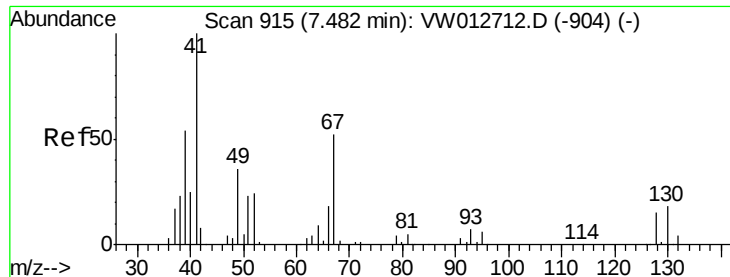
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.323 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012845.D
 Acq: 10 Sep 2019 02:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.2	114.2#
121	0.0	25.4	38.2#

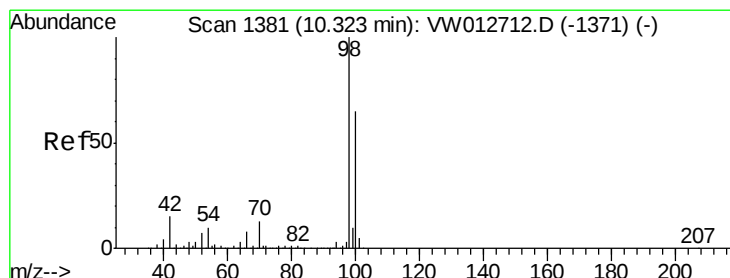
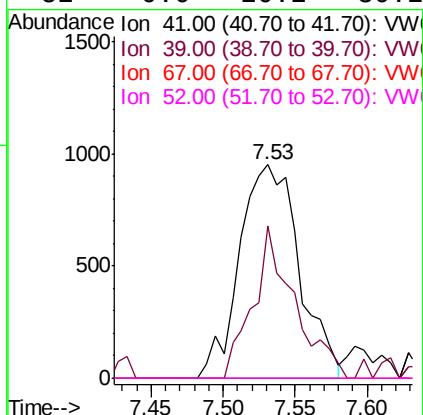
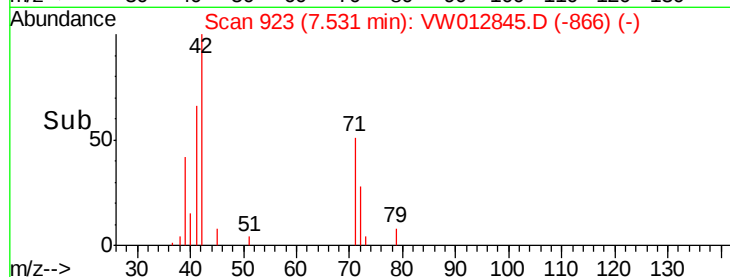
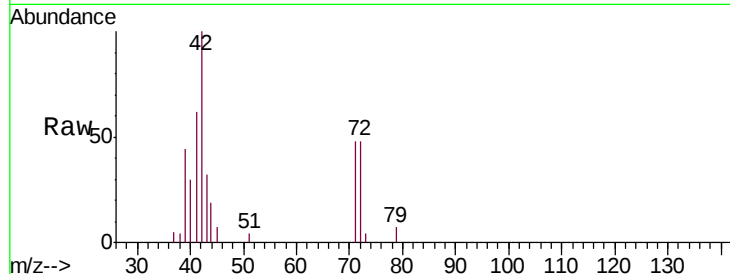




#41
Methacrylonitrile
Concen: 5.535 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

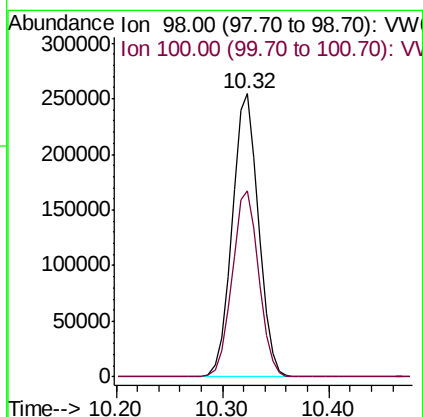
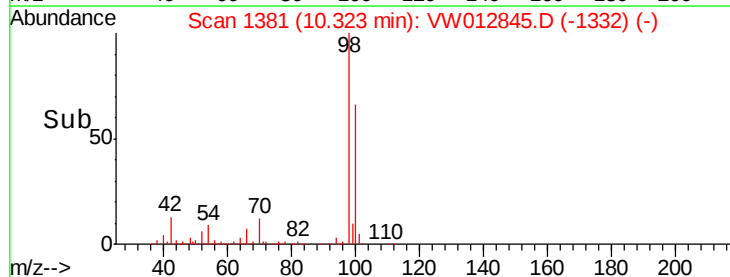
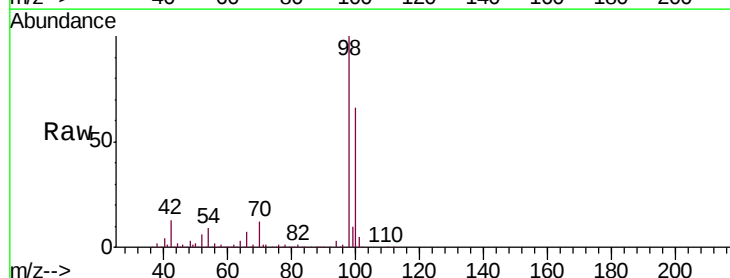
Instrument :
MSVOA_W
ClientSampled :
T11-D1-(4)

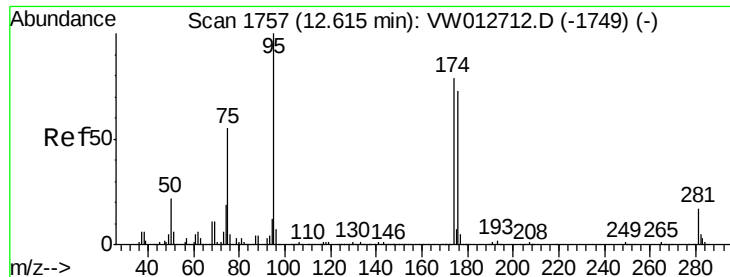
Tgt Ion:	41	Resp:	2747
Ion	Ratio	Lower	Upper
41	100		
39	49.1	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 48.892 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Tgt Ion:	98	Resp:	442333
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 37.046 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

T11-D1-(4)

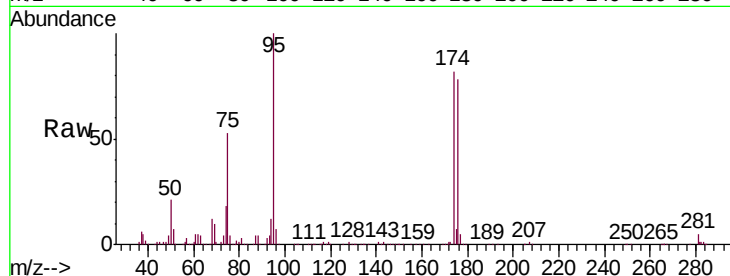
Tgt Ion: 95 Resp: 121676

Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.0

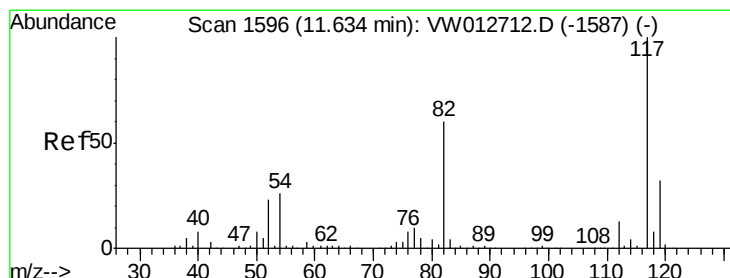
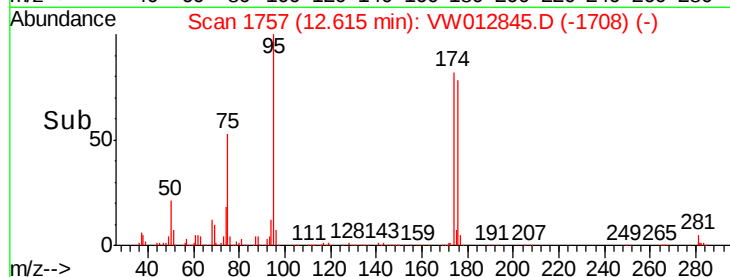
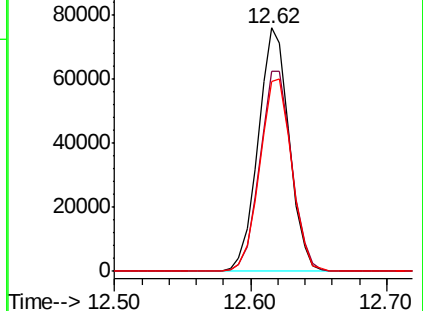
176 81.6 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012845.D

Acq: 10 Sep 2019 02:21

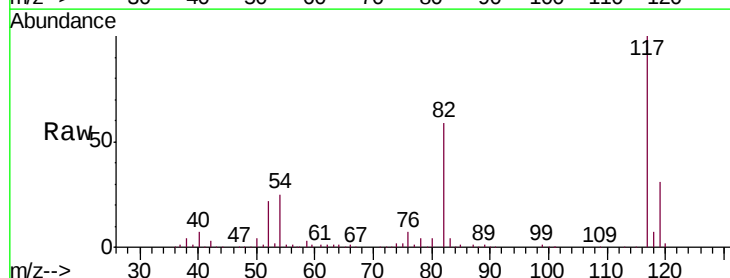
Tgt Ion: 117 Resp: 296136

Ion Ratio Lower Upper

117 100

82 58.5 48.2 72.4

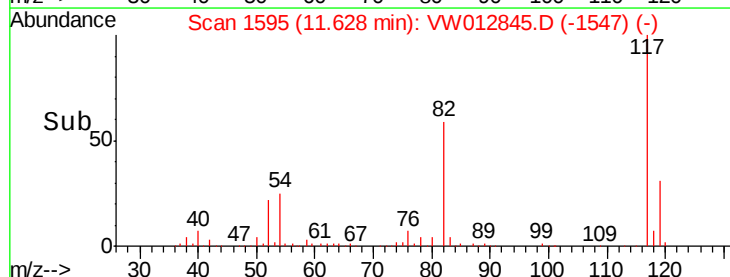
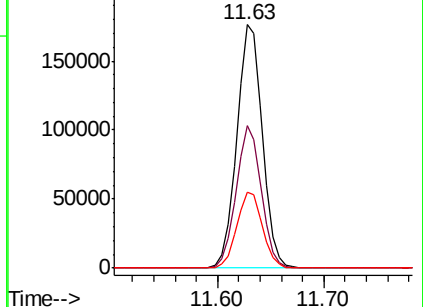
119 31.3 25.8 38.6

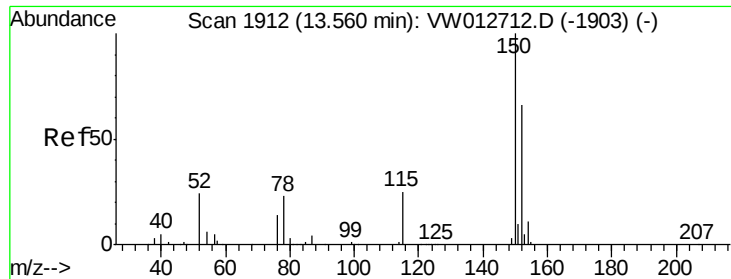


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



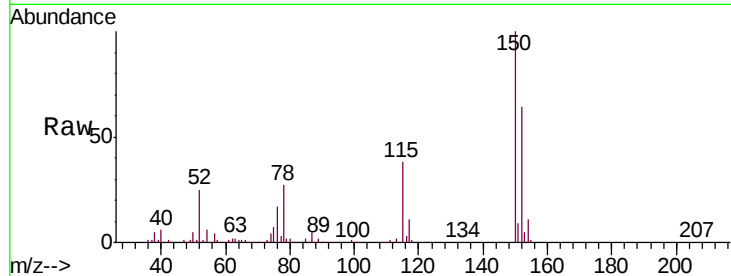


#72

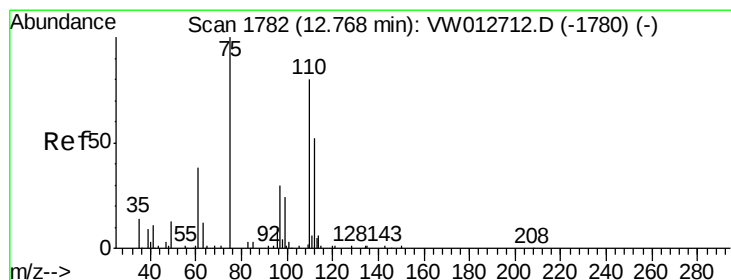
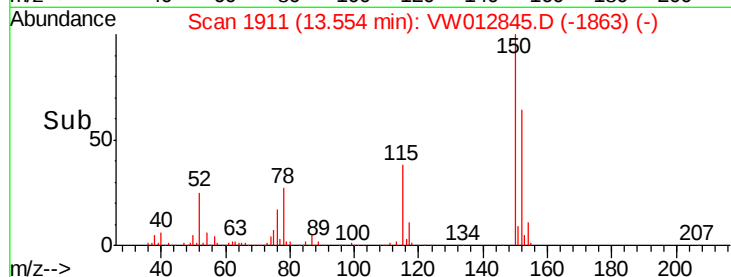
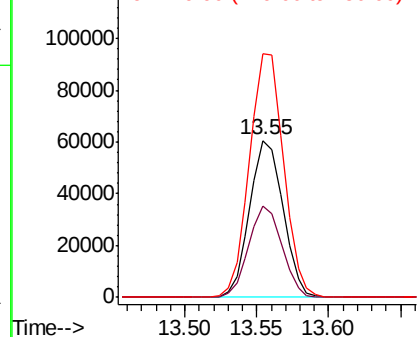
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Instrument :
MSVOA_W
ClientSampleId :
T11-D1-(4)

Tgt Ion:152 Resp: 97341
Ion Ratio Lower Upper
152 100
115 58.0 30.0 90.1
150 159.0 0.0 349.0



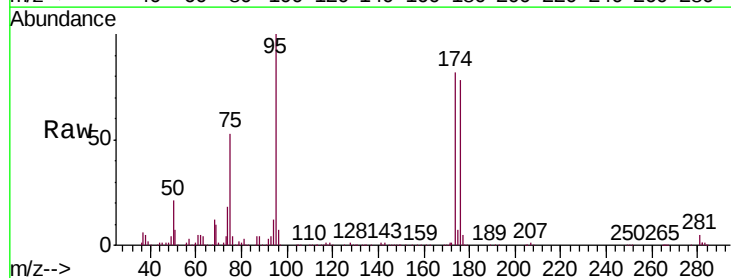
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



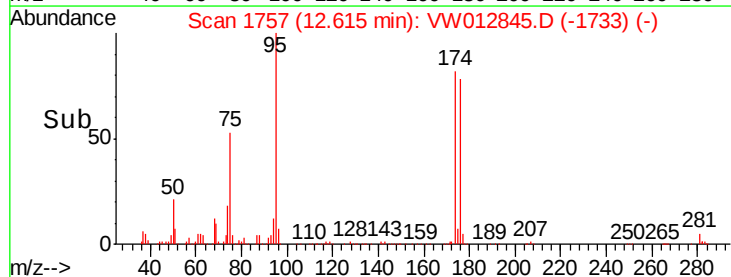
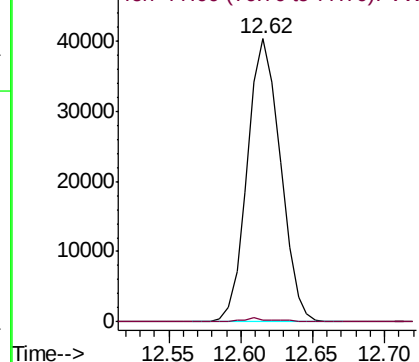
#76

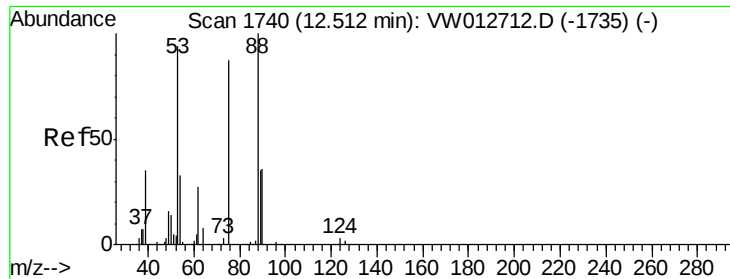
1,2,3-Trichloropropane
Concen: 64.268 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Tgt Ion: 75 Resp: 63969
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

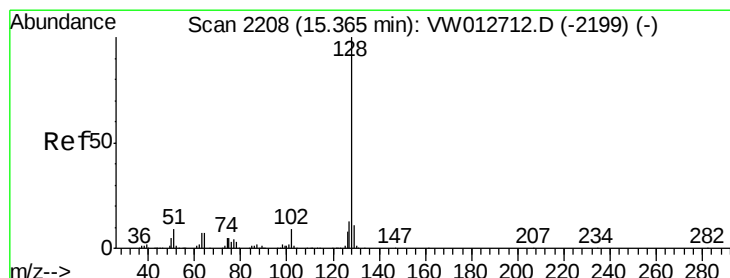
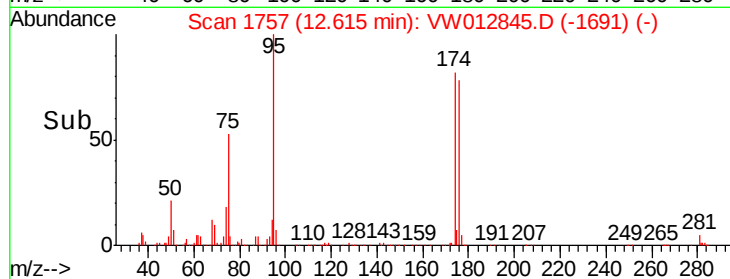
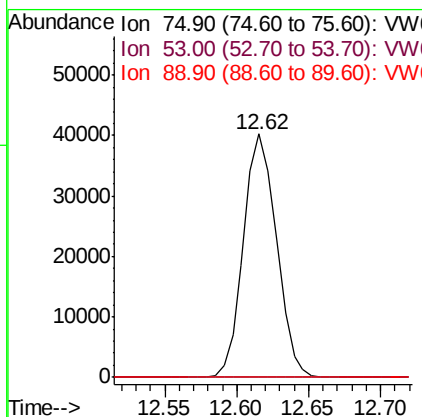
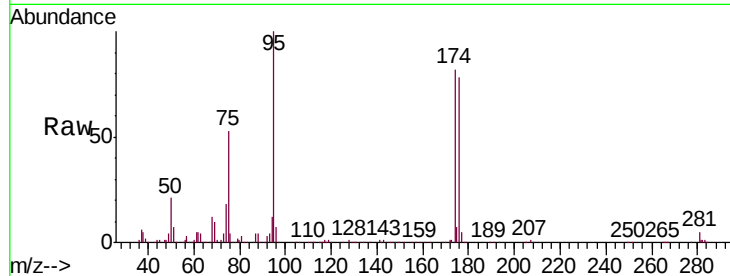




#81
trans-1,4-Dichloro-2-butene
Concen: 135.930 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Instrument :
MSVOA_W
ClientSampleId :
T11-D1-(4)

Tgt Ion: 75 Resp: 63969
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.531 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012845.D
Acq: 10 Sep 2019 02:21

Tgt Ion: 128 Resp: 413
Ion Ratio Lower Upper
128 100
127 11.6 10.7 16.1
129 0.0 8.7 13.1#

