

Data File : VW012842.D
Acq On : 10 Sep 2019 01:03
Operator : SY/VA
Sample : K4644-01
Misc : 7.63G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

Quant Time: Sep 10 07:08:21 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	141358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	194409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	38507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	63727	40.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.70%	
35) Dibromofluoromethane	7.88	113	56373	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.32	98	223045	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	51499	31.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.66%	

Target Compounds

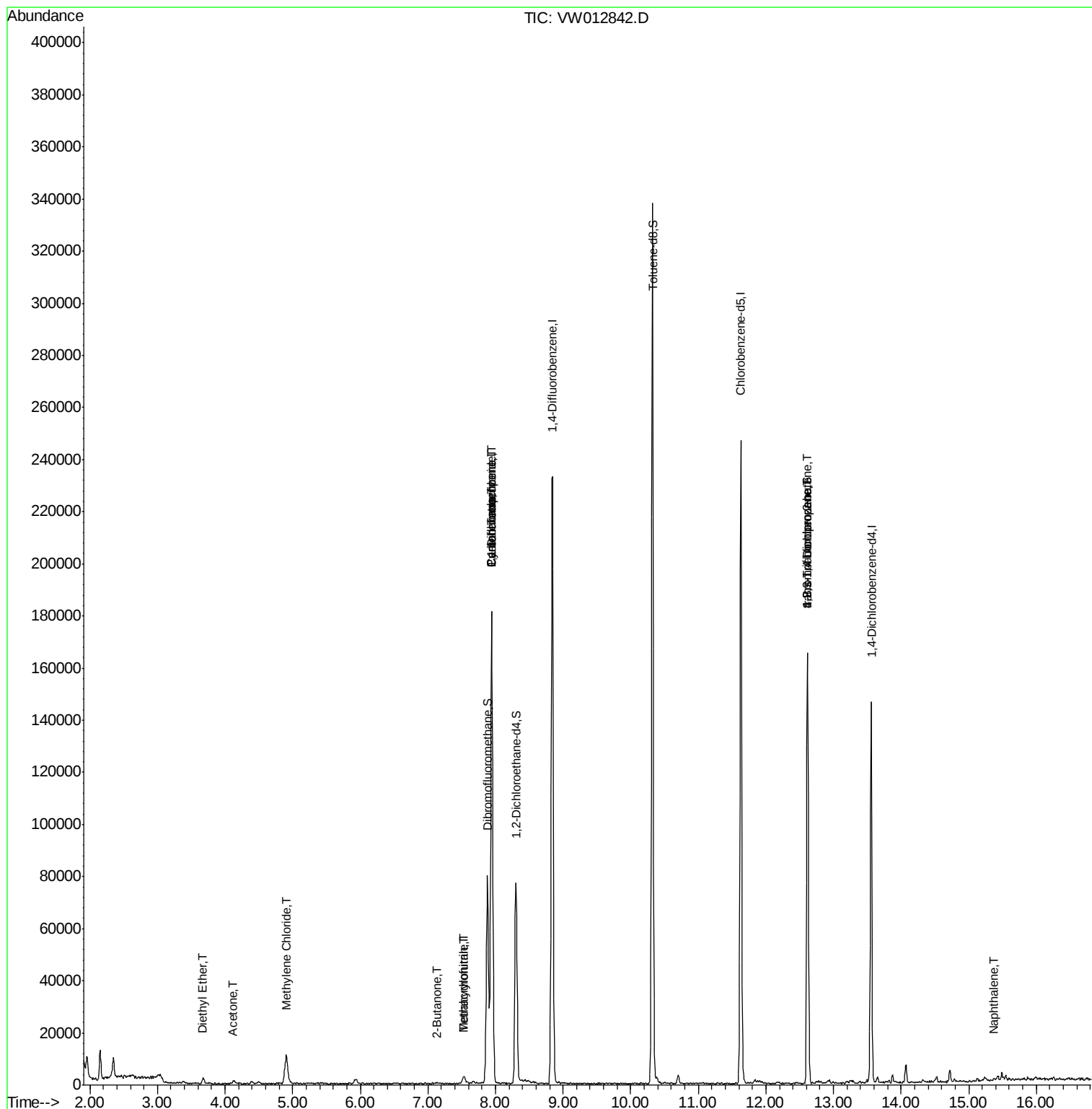
						Qvalue
8) Diethyl Ether	3.67	74	1107	1.671	ug/l	86
16) Acetone	4.12	43	474	1.101	ug/l #	77
20) Methylene Chloride	4.90	84	7019	5.210	ug/l	94
25) 2-Butanone	7.13	43	44	19.744	ug/l #	53
29) Tetrahydrofuran	7.52	42	2606	7.495	ug/l	96
31) Cyclohexane	7.95	56	3014	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	10927	6.326	ug/l #	52
38) Carbon Tetrachloride	7.94	117	13937	8.185	ug/l #	16
41) Methacrylonitrile	7.52	41	677	4.674	ug/l #	23
76) 1,2,3-Trichloropropane	12.62	75	26727	67.878	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26727	143.566	ug/l #	6
95) Naphthalene	15.36	128	556	4.753	ug/l #	78

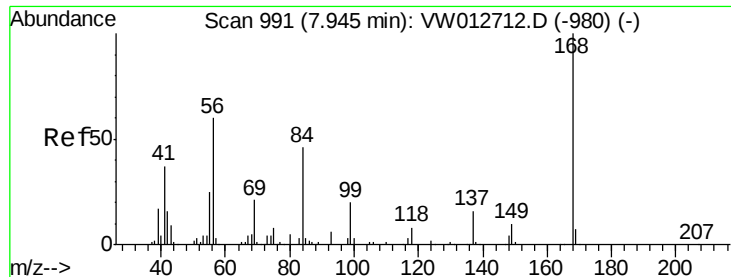
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

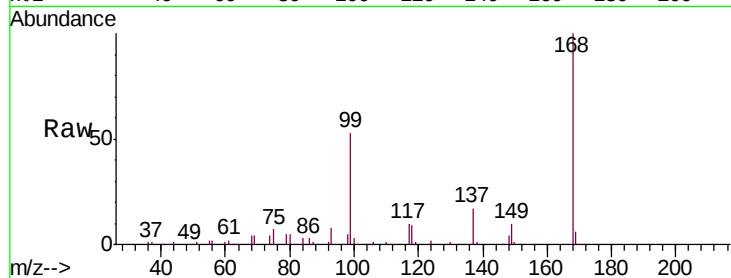
T11-D2-(0)

Tgt Ion:168 Resp: 141358

Ion Ratio Lower Upper

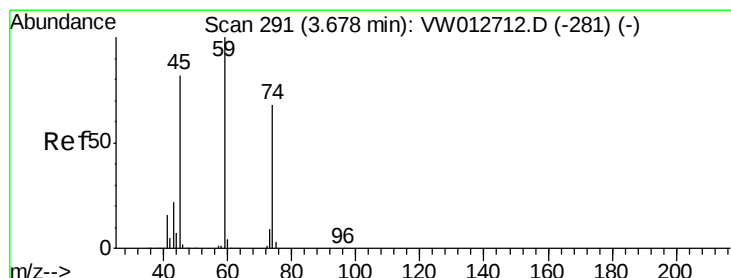
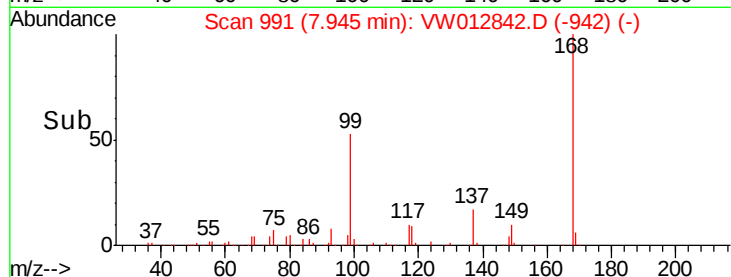
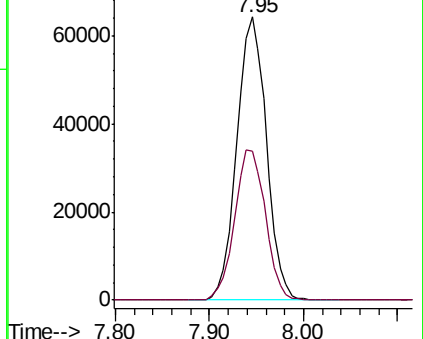
168 100

99 52.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.671 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012842.D

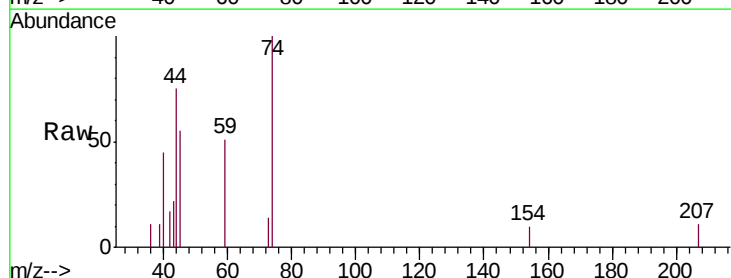
Acq: 10 Sep 2019 01:03

Tgt Ion: 74 Resp: 1107

Ion Ratio Lower Upper

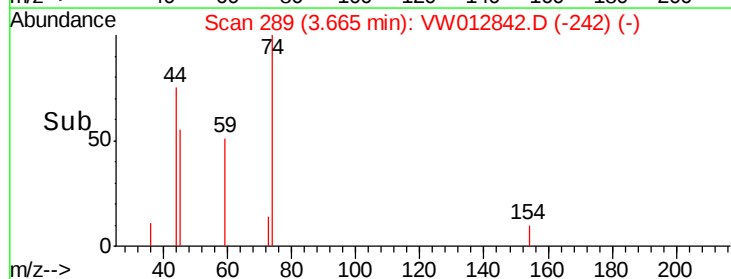
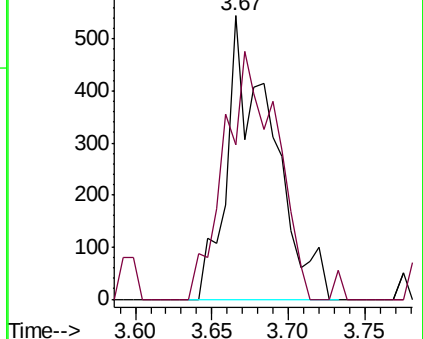
74 100

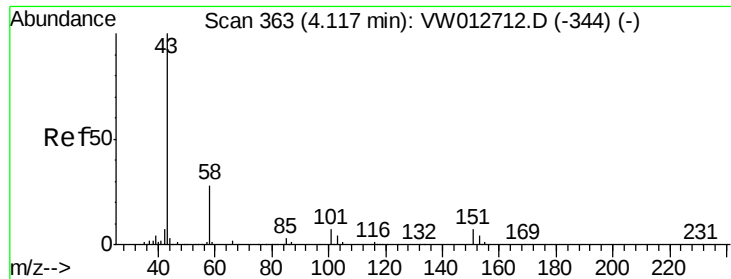
45 102.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.101 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

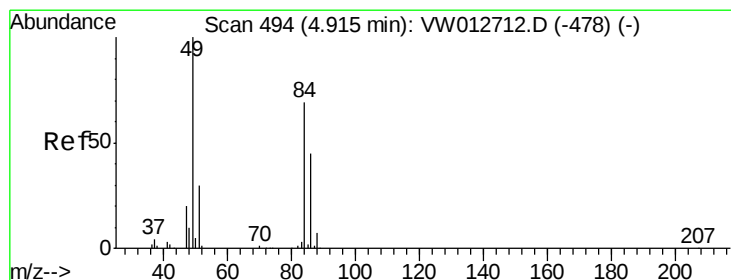
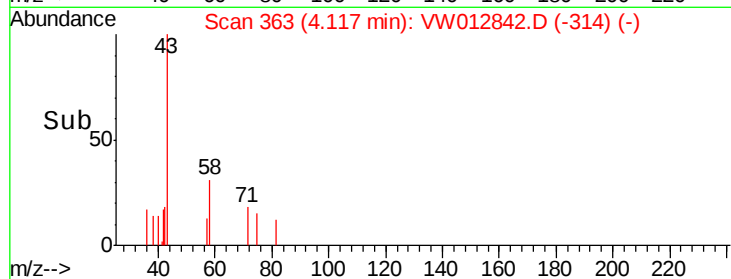
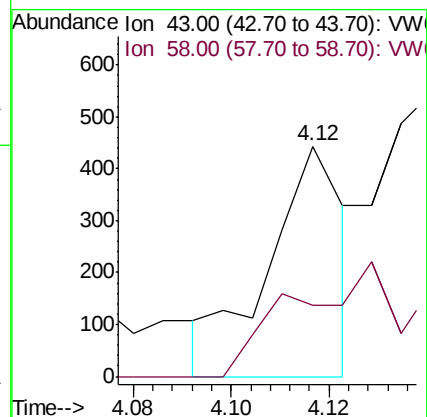
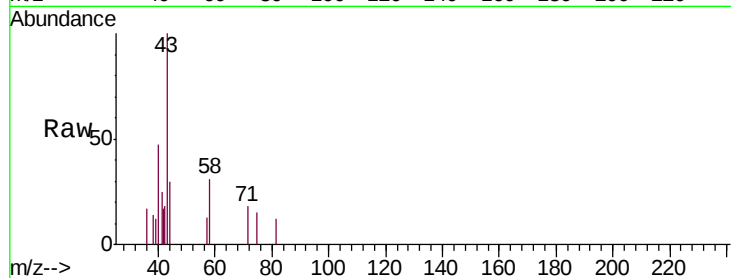
T11-D2-(0)

Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

43 100

58 40.5 22.6 33.8#



#20

Methylene Chloride

Concen: 5.210 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Tgt Ion: 84 Resp: 7019

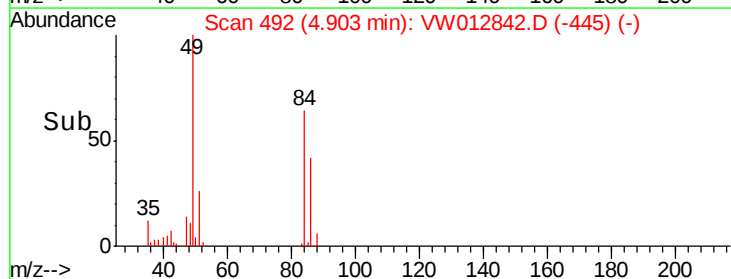
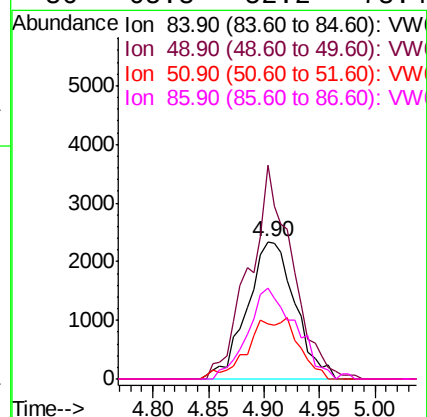
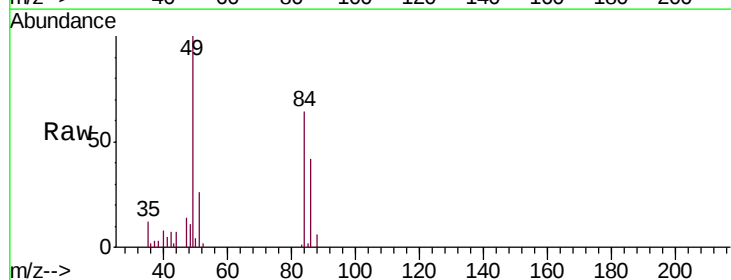
Ion Ratio Lower Upper

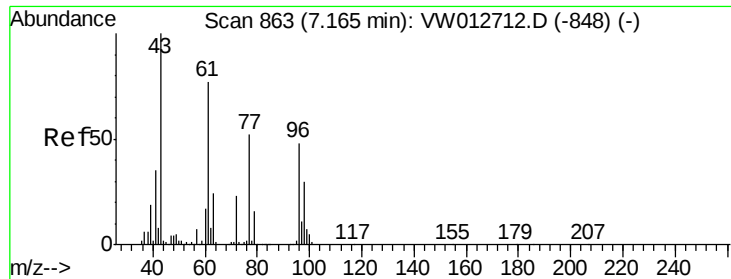
84 100

49 155.6 115.4 173.0

51 40.1 34.9 52.3

86 65.8 52.2 78.4





#25

2-Butanone

Concen: 19.744 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

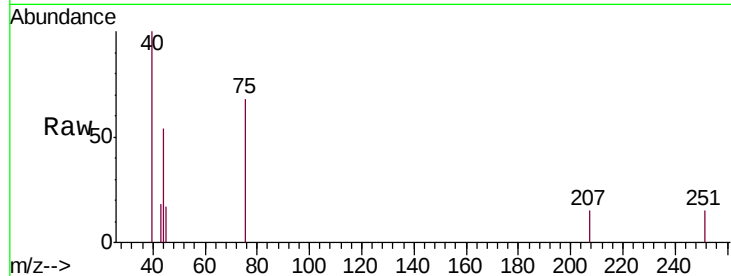
T11-D2-(0)

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

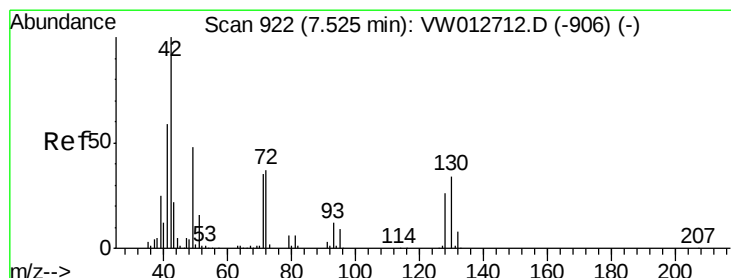
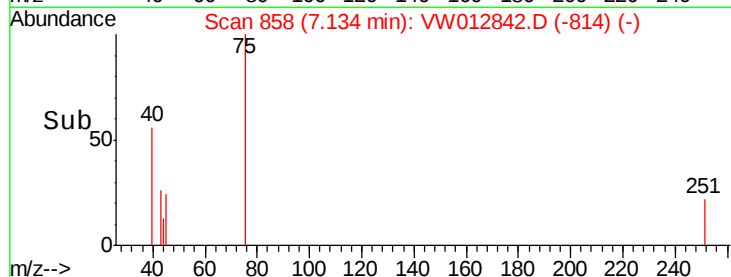
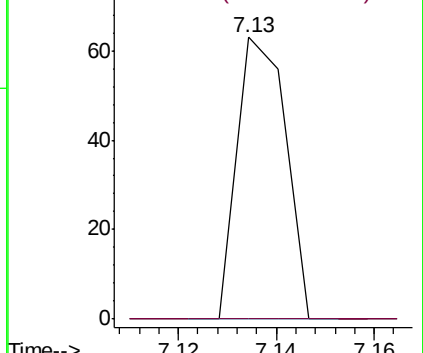
43 100

72 0.0 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: 7.495 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

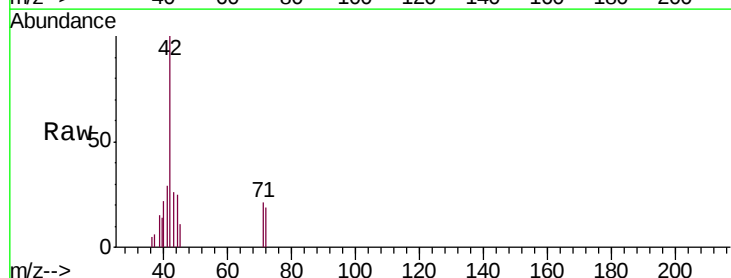
Tgt Ion: 42 Resp: 2606

Ion Ratio Lower Upper

42 100

72 38.5 28.4 42.6

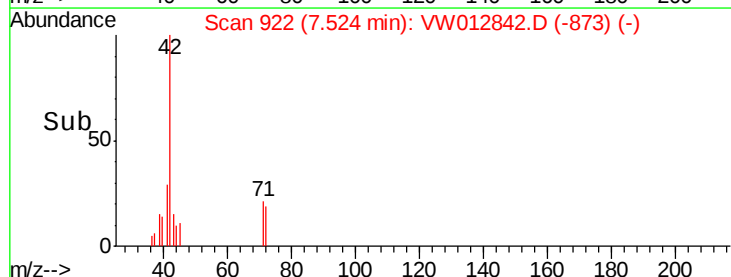
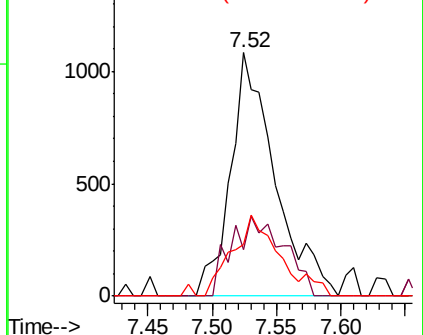
71 35.5 27.1 40.7

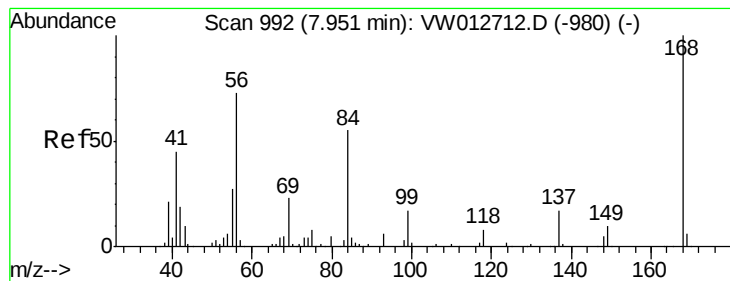


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(0)

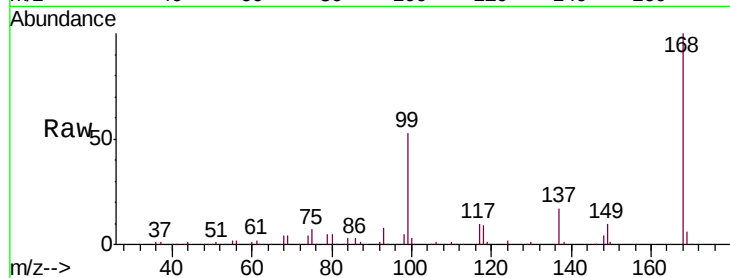
Tgt Ion: 56 Resp: 3014

Ion Ratio Lower Upper

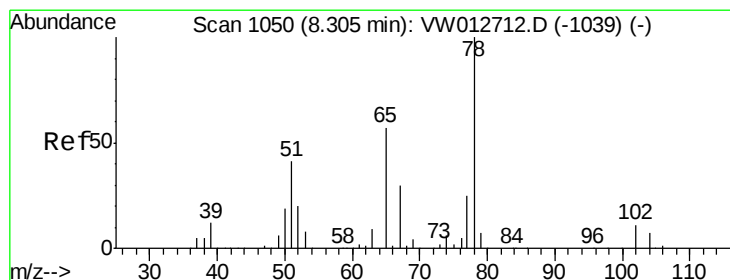
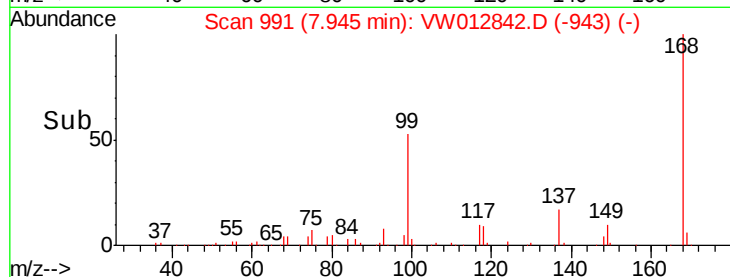
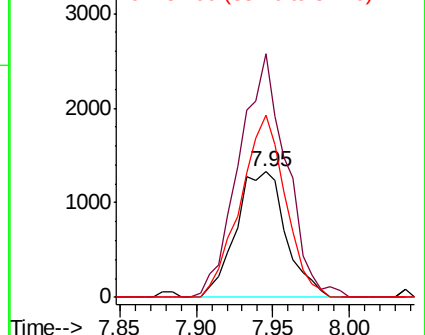
56 100

69 194.0 25.7 38.5#

84 145.7 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: 40.348 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012842.D

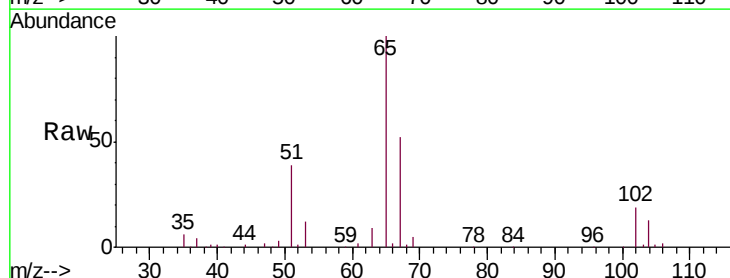
Acq: 10 Sep 2019 01:03

Tgt Ion: 65 Resp: 63727

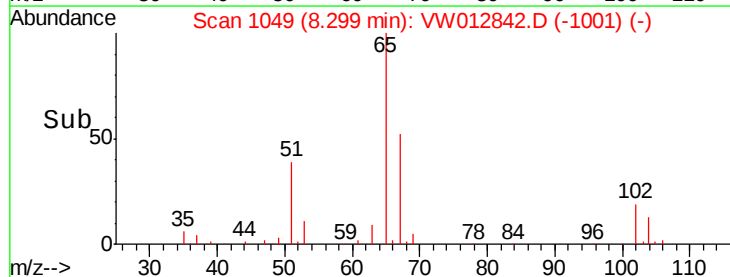
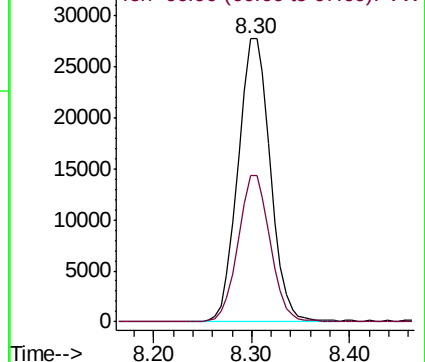
Ion Ratio Lower Upper

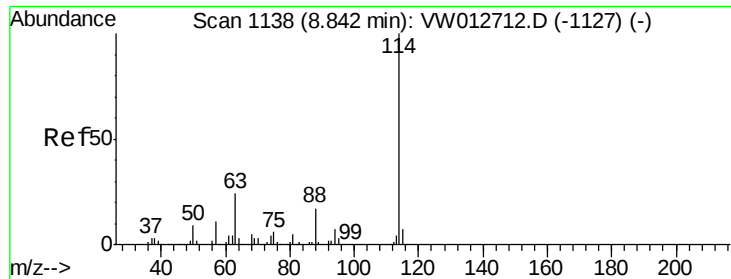
65 100

67 51.3 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: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(0)

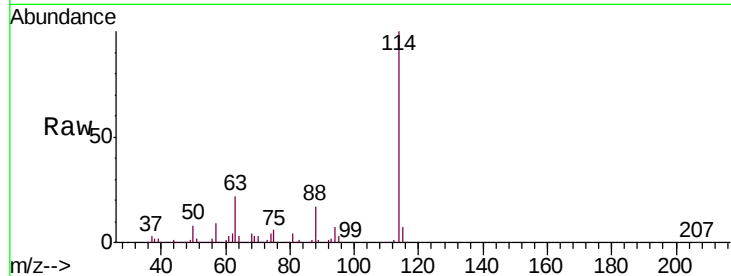
Tgt Ion:114 Resp: 194409

Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.2

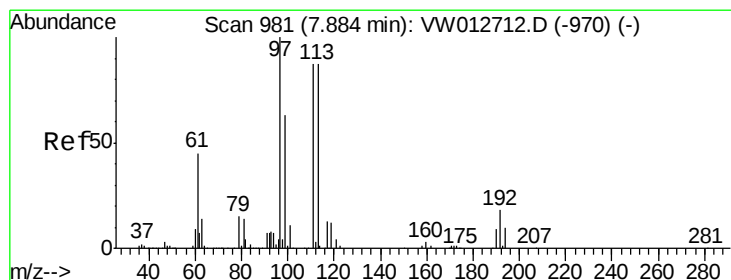
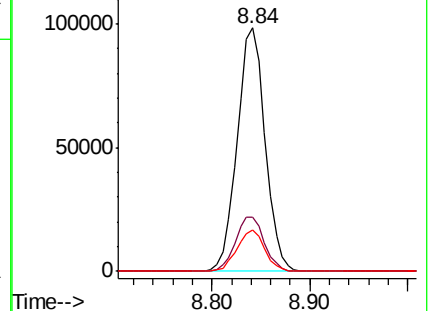
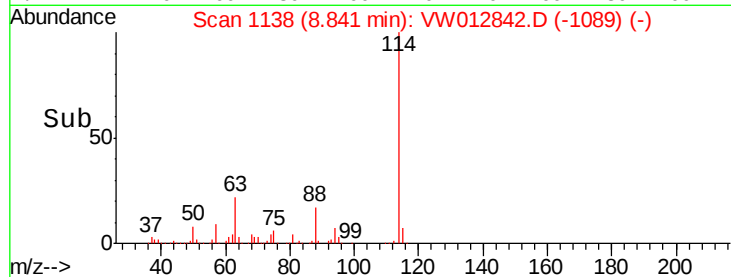
88 17.2 0.0 34.0



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: 48.773 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

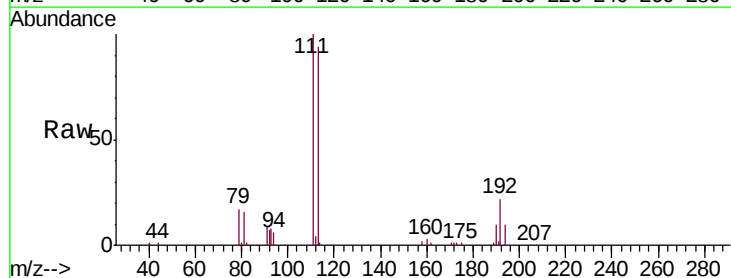
Tgt Ion:113 Resp: 56373

Ion Ratio Lower Upper

113 100

111 104.1 80.2 120.4

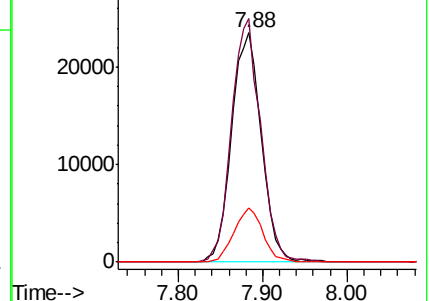
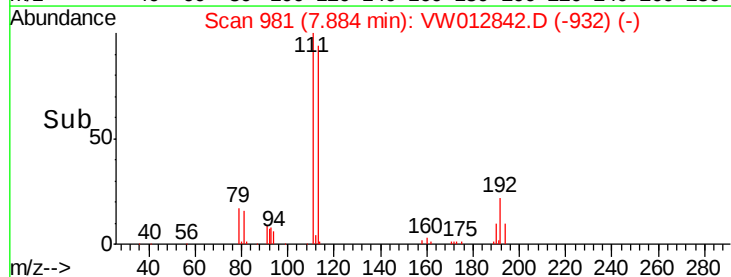
192 22.8 17.3 25.9

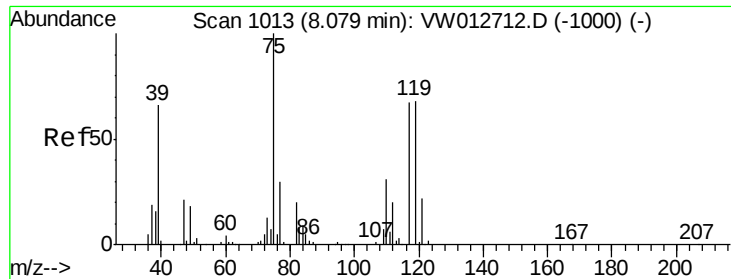


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

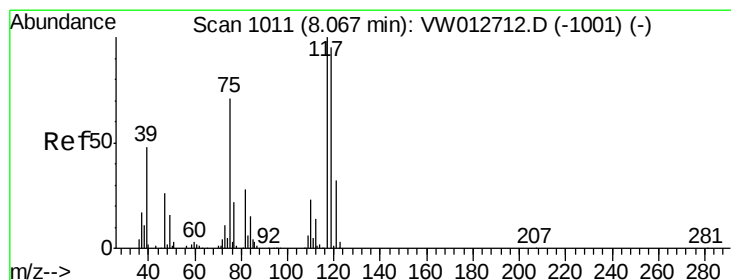
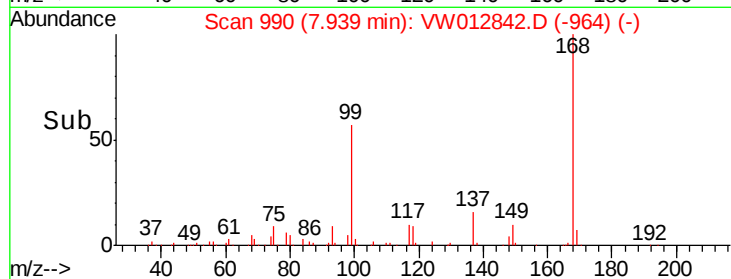
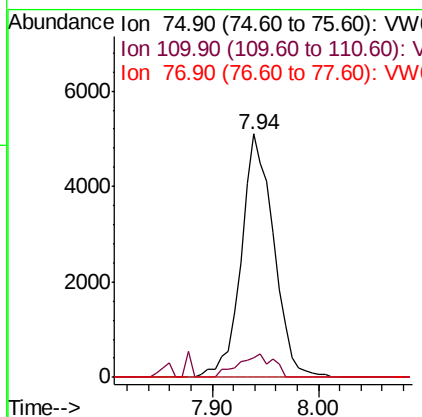
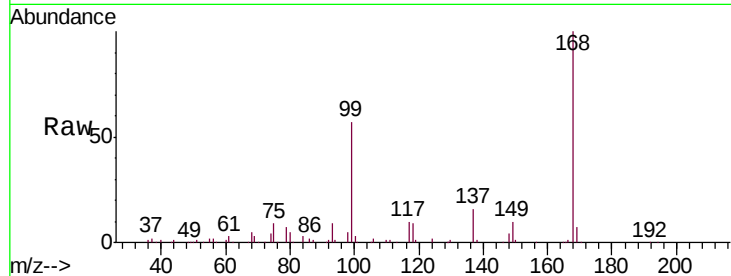




#36
 1,1-Dichloropropene
 Concen: 6.326 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012842.D
 Acq: 10 Sep 2019 01:03

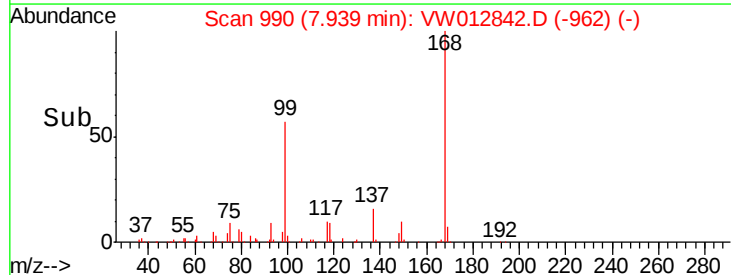
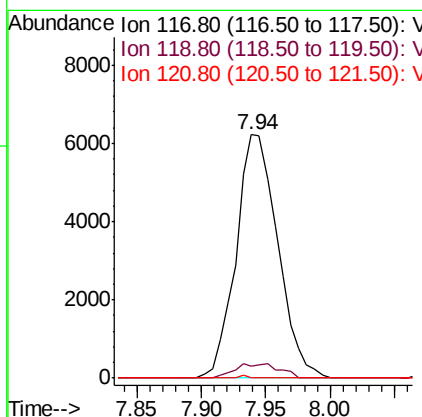
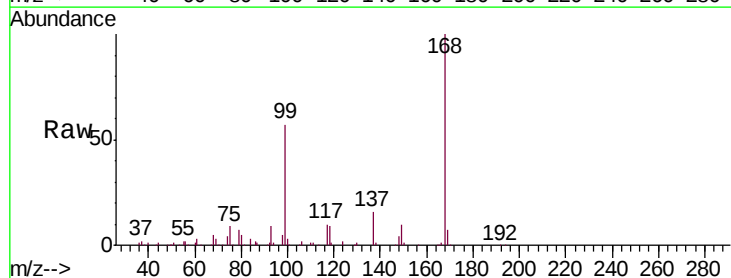
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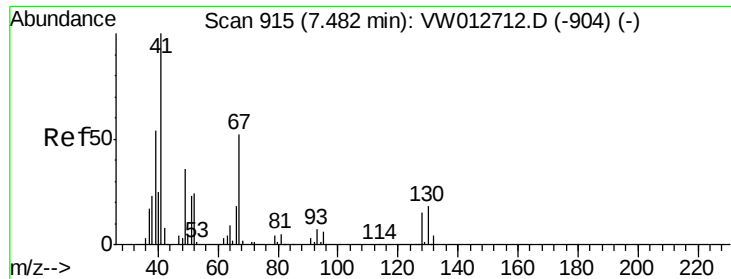
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 8.185 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012842.D
 Acq: 10 Sep 2019 01:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	25.4	38.2#

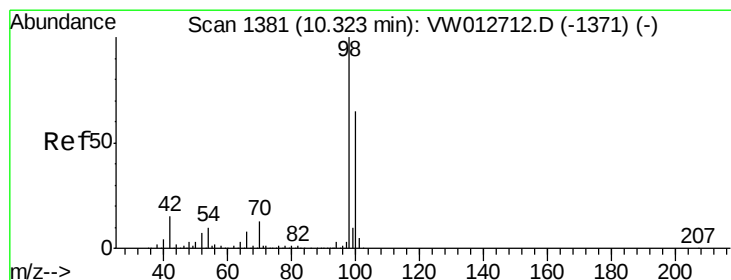
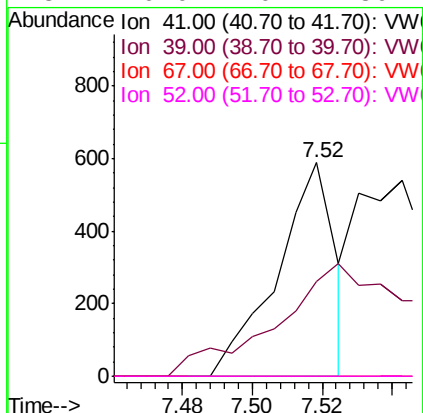
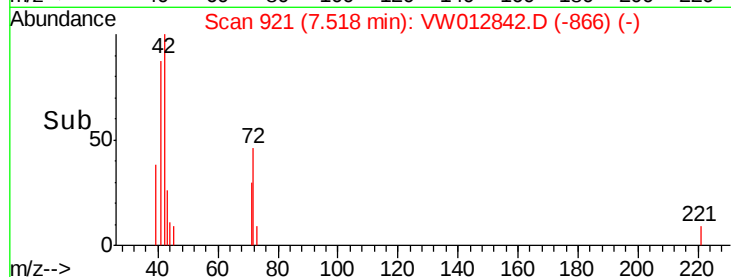
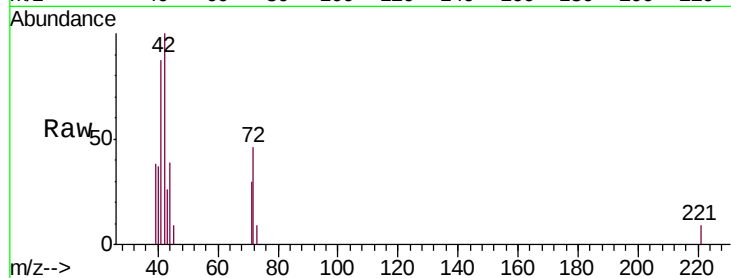




#41
Methacrylonitrile
Concen: 4.674 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.04 min
Lab File: VW012842.D
Acq: 10 Sep 2019 01:03

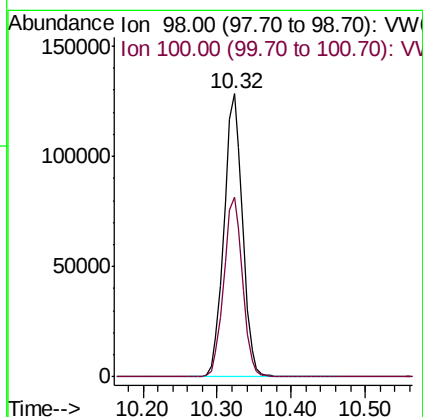
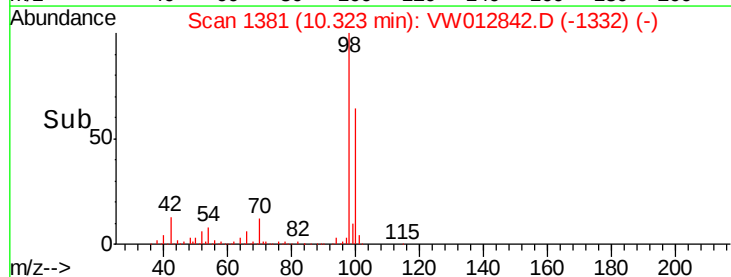
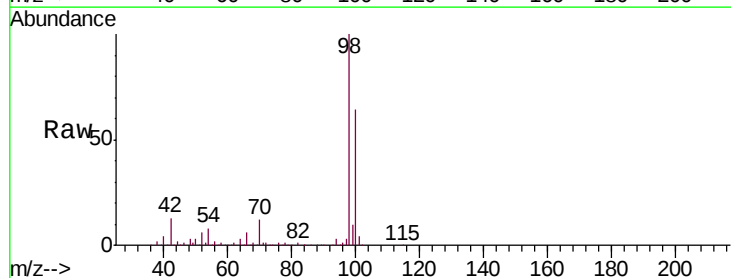
Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

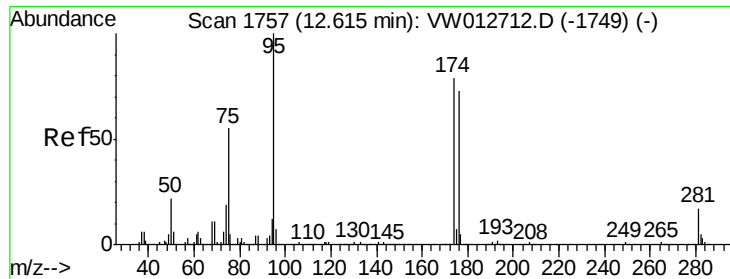
Tgt Ion: 41 Resp: 677
Ion Ratio Lower Upper
41 100
39 125.6 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012842.D
Acq: 10 Sep 2019 01:03

Tgt Ion: 98 Resp: 223045
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 31.328 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(0)

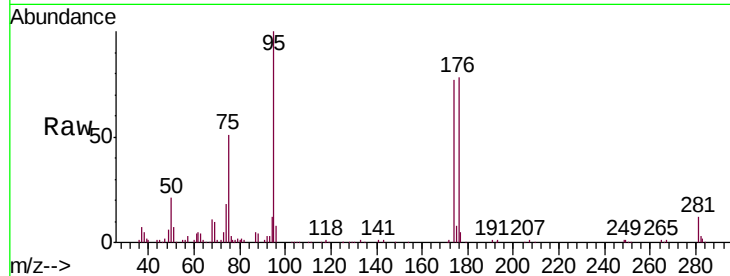
Tgt Ion: 95 Resp: 51499

Ion Ratio Lower Upper

95 100

174 85.2 0.0 161.0

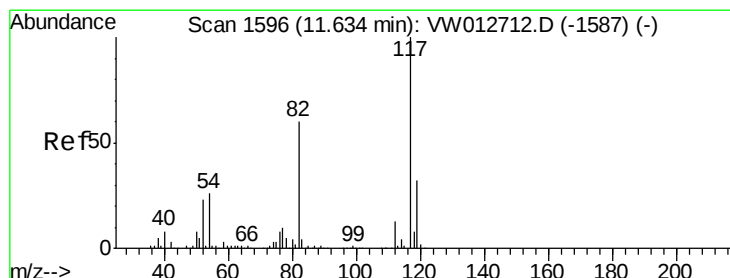
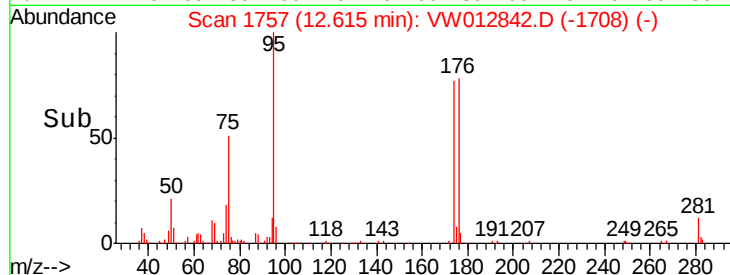
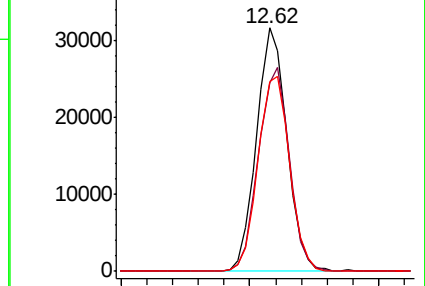
176 83.5 0.0 156.4



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: VW012842.D

Acq: 10 Sep 2019 01:03

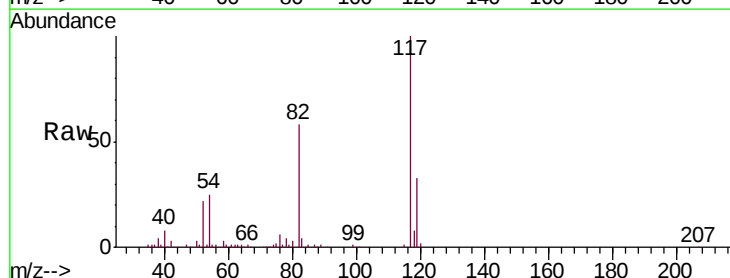
Tgt Ion: 117 Resp: 137469

Ion Ratio Lower Upper

117 100

82 57.9 48.2 72.4

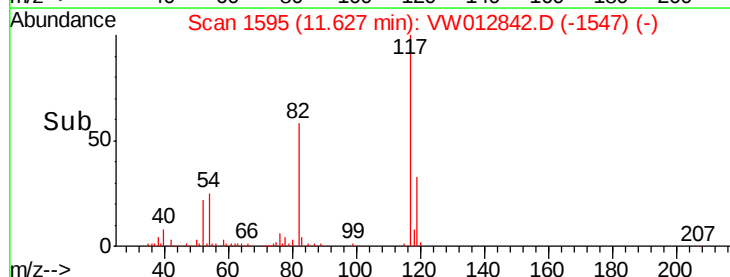
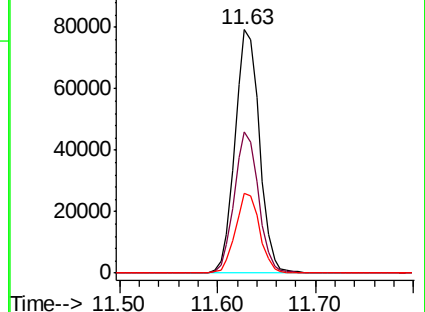
119 32.6 25.8 38.6

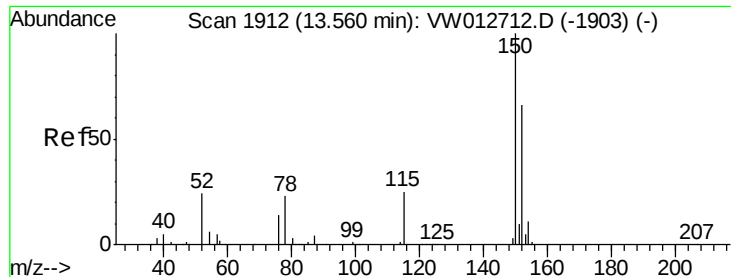


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012842.D

Acq: 10 Sep 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(0)

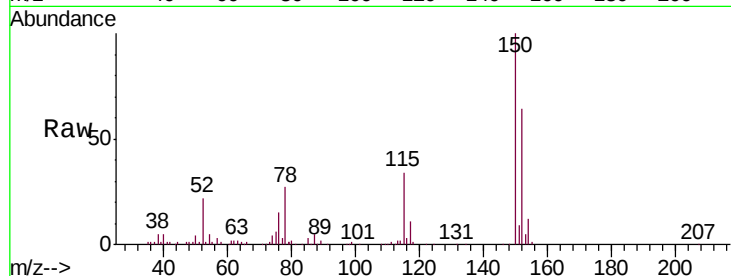
Tgt Ion:152 Resp: 38507

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.1

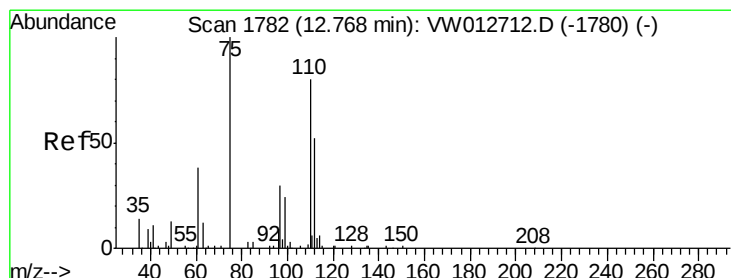
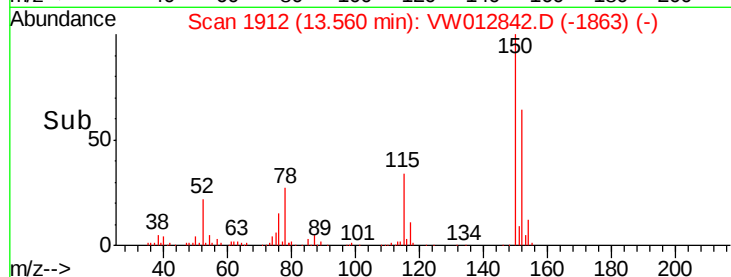
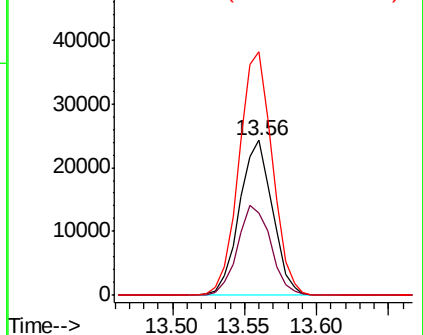
150 159.0 0.0 349.0



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: 67.878 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012842.D

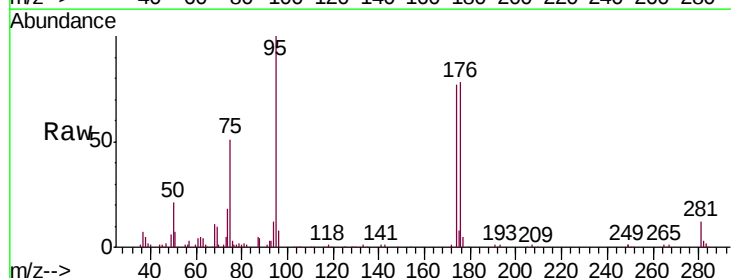
Acq: 10 Sep 2019 01:03

Tgt Ion: 75 Resp: 26727

Ion Ratio Lower Upper

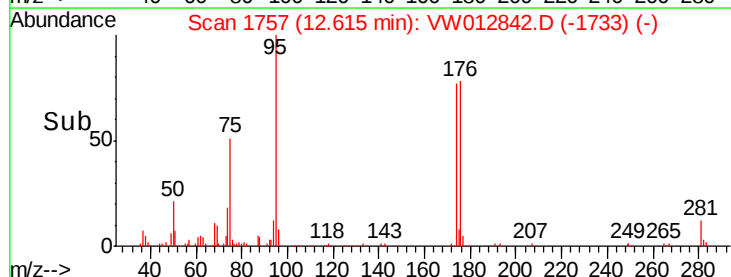
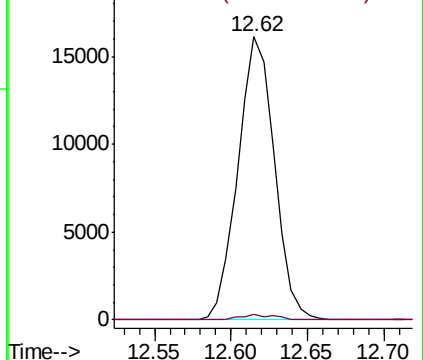
75 100

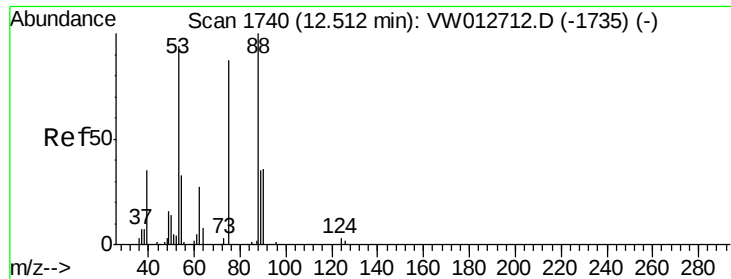
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

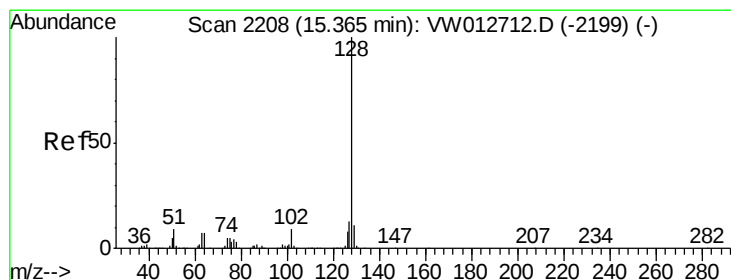
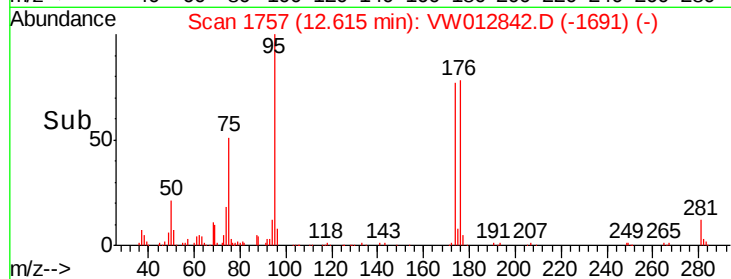
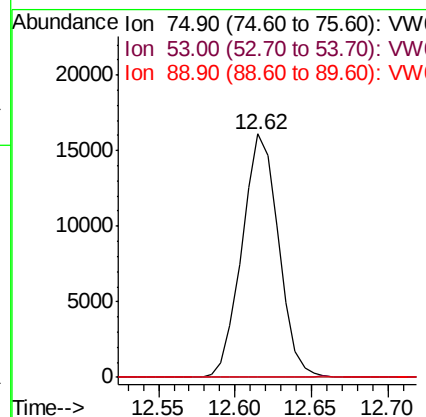
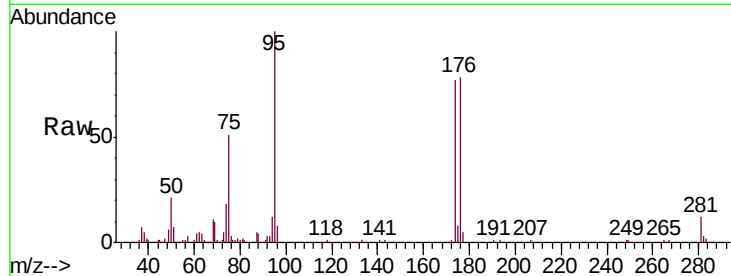




#81
trans-1,4-Dichloro-2-butene
Concen: 143.566 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012842.D
Acq: 10 Sep 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

Tgt Ion: 75 Resp: 26727
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.753 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012842.D
Acq: 10 Sep 2019 01:03

Tgt Ion: 128 Resp: 556
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 7.7 8.7 13.1#

