

Data File : VW012848.D
Acq On : 10 Sep 2019 03:38
Operator : SY/VA
Sample : K4644-07
Misc : 3.62G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(4)

Quant Time: Sep 10 07:10:04 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	274505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	104549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143202	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	116624	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.32	98	477429	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	132256	38.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.54%	

Target Compounds

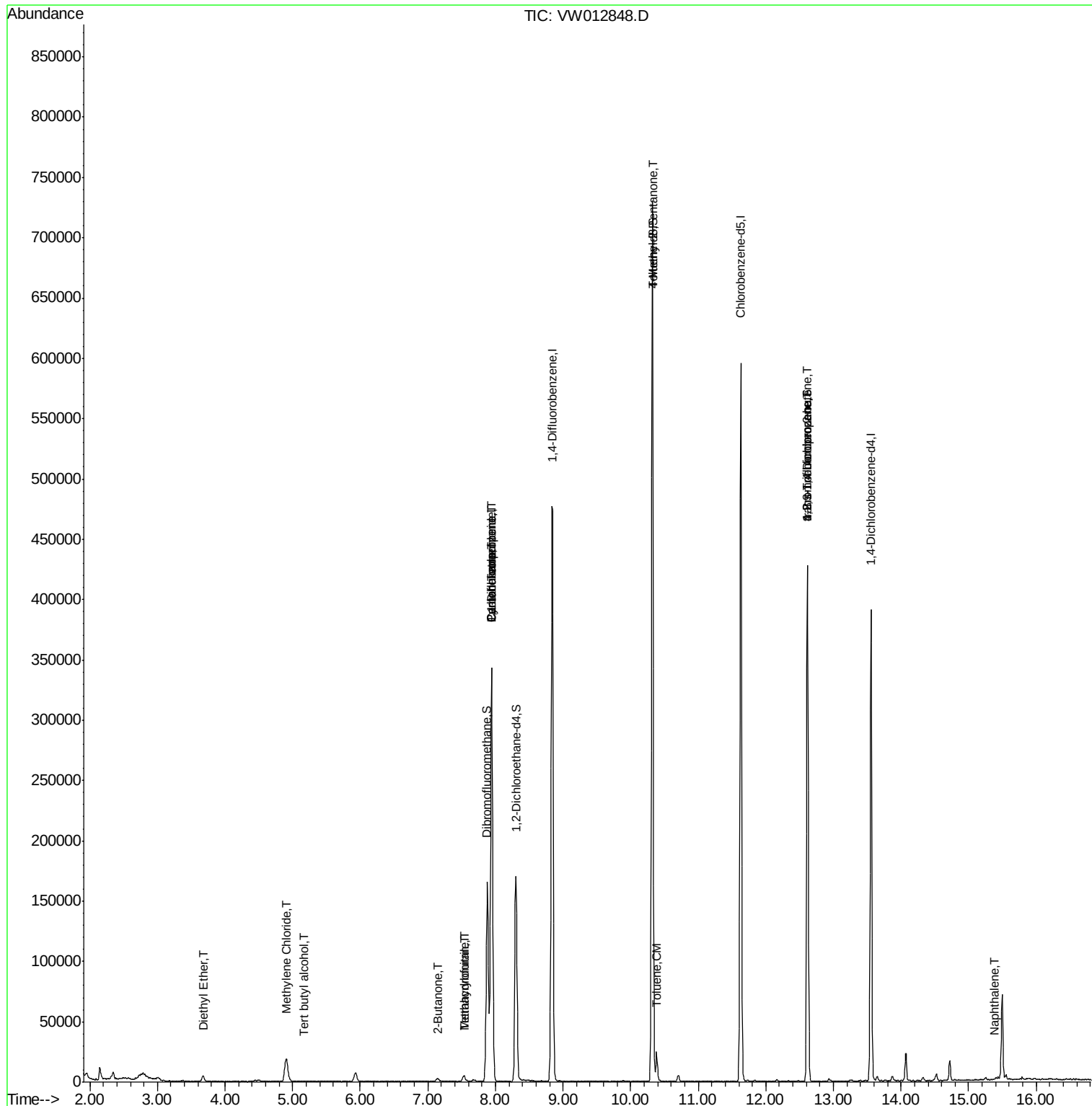
						Qvalue
8) Diethyl Ether	3.68	74	2526	1.964	ug/l	95
11) Tert butyl alcohol	5.17	59	242	1.031	ug/l #	72
20) Methylene Chloride	4.90	84	14800	5.658	ug/l #	82
25) 2-Butanone	7.15	43	249	19.867	ug/l #	53
29) Tetrahydrofuran	7.54	42	4597	6.808	ug/l	95
31) Cyclohexane	7.95	56	5556	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20484	5.641	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25455	7.111	ug/l #	17
41) Methacrylonitrile	7.54	41	3083	5.648	ug/l #	54
51) 4-Methyl-2-Pentanone	10.32	43	2472	1.074	ug/l #	1
52) Toluene	10.38	92	9837	1.564	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	69072	64.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69072	136.655	ug/l #	7
95) Naphthalene	15.38	128	205	4.482	ug/l #	69

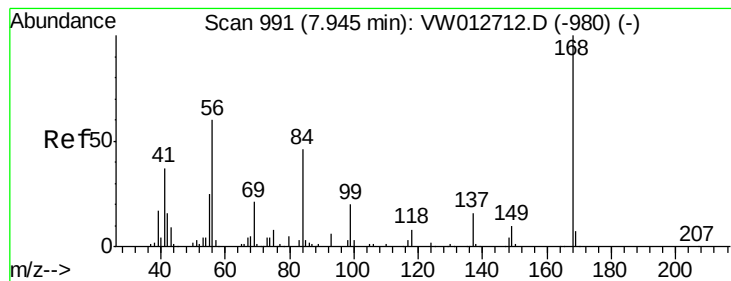
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

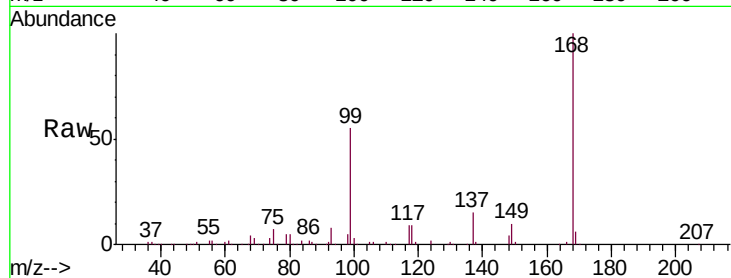
T11-D4-(4)

Tgt Ion:168 Resp: 274505

Ion Ratio Lower Upper

168 100

99 55.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

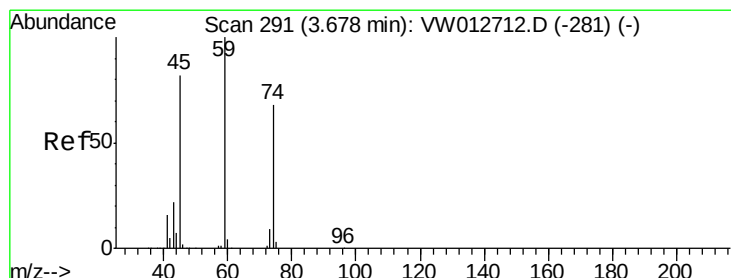
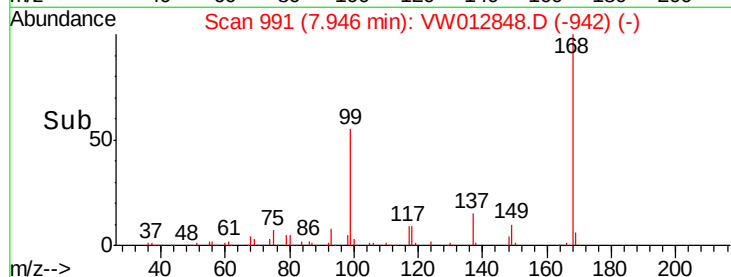
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.964 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012848.D

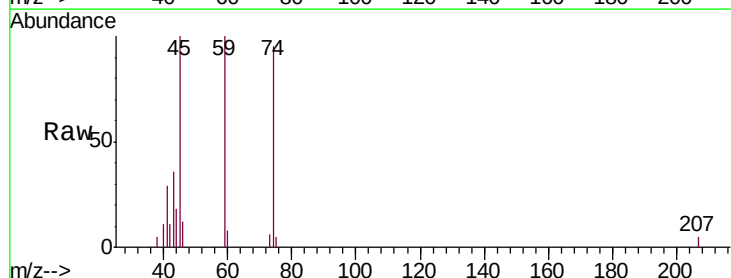
Acq: 10 Sep 2019 03:38

Tgt Ion: 74 Resp: 2526

Ion Ratio Lower Upper

74 100

45 122.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

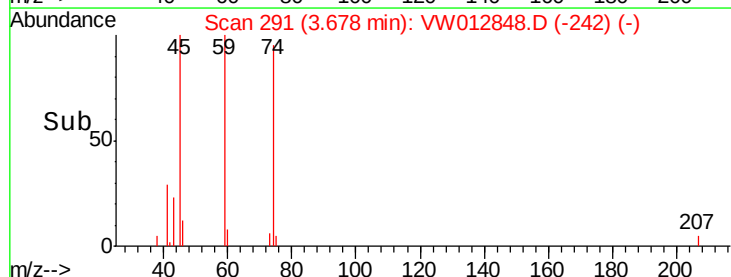
1500

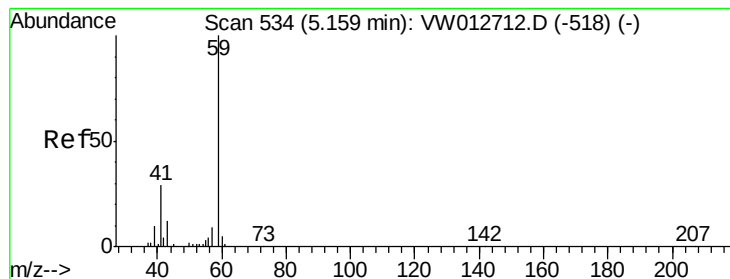
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 1.031 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

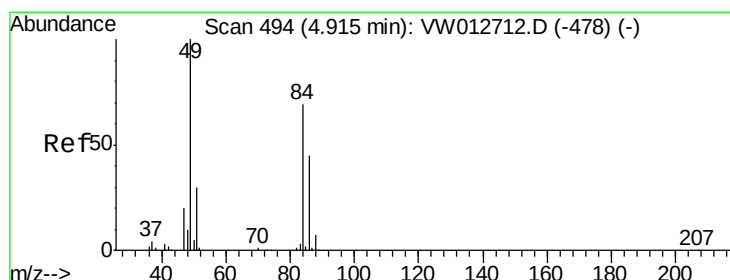
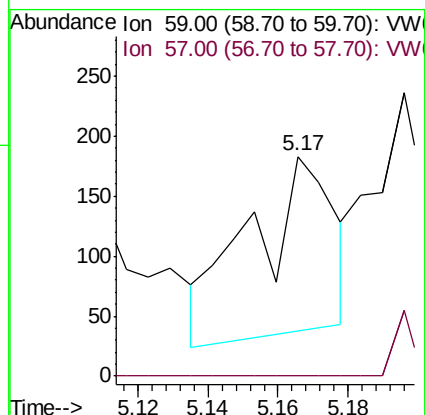
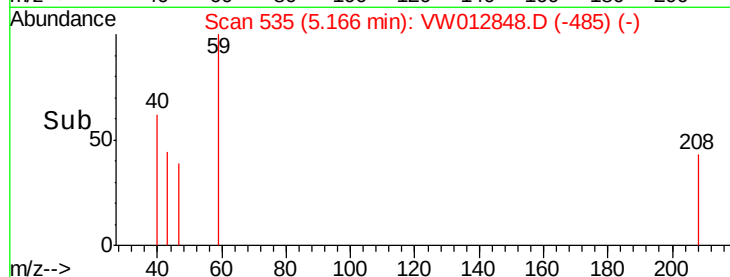
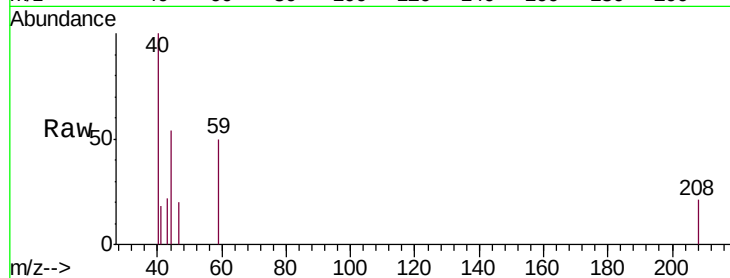
T11-D4-(4)

Tgt Ion: 59 Resp: 242

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#20

Methylene Chloride

Concen: 5.658 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Tgt Ion: 84 Resp: 14800

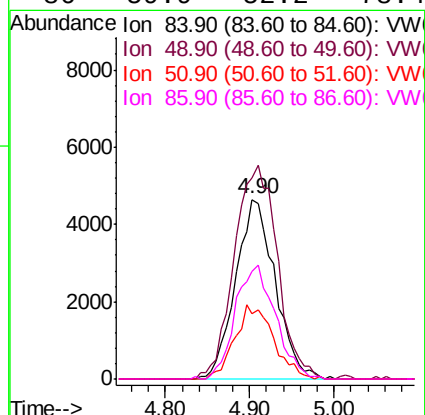
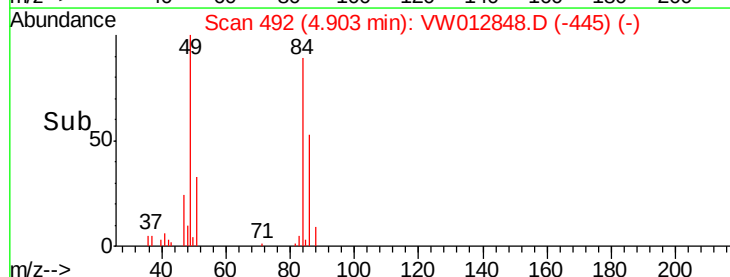
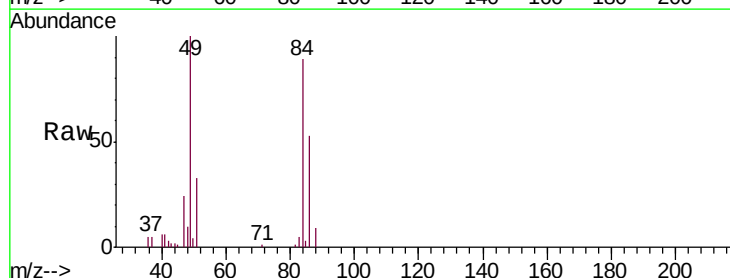
Ion Ratio Lower Upper

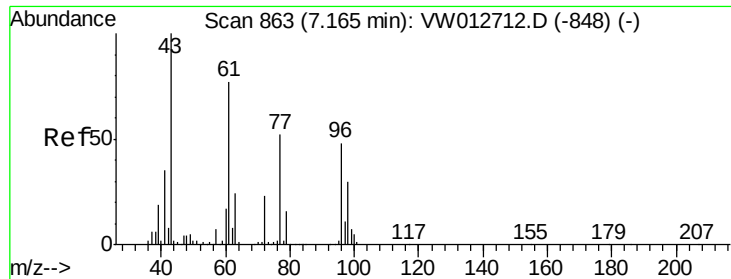
84 100

49 112.1 115.4 173.0#

51 36.8 34.9 52.3

86 59.9 52.2 78.4





#25

2-Butanone

Concen: 19.867 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

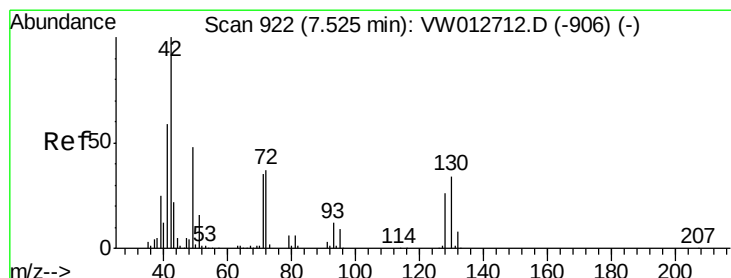
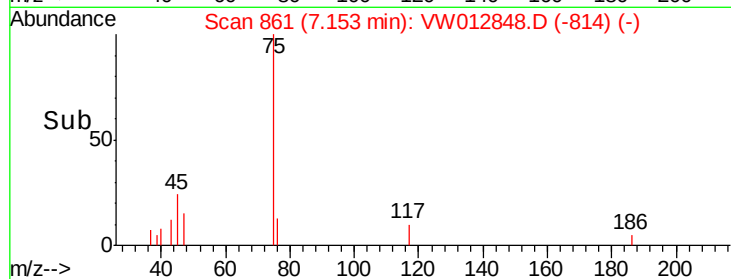
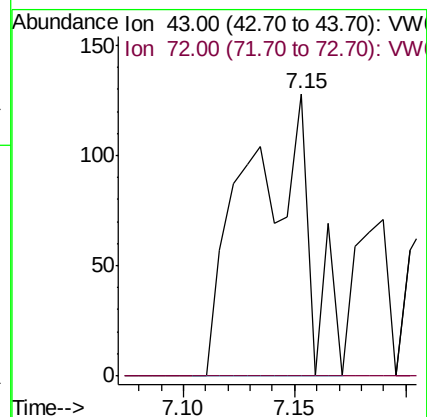
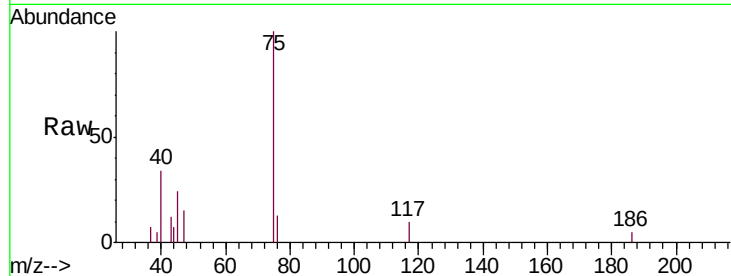
T11-D4-(4)

Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.808 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

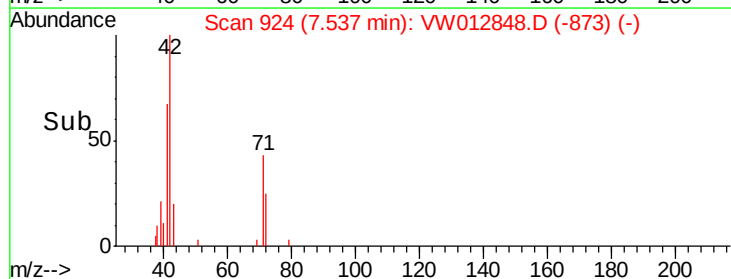
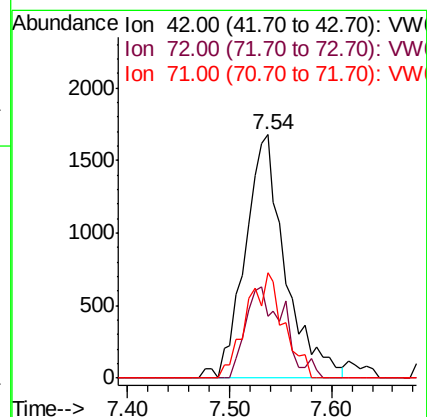
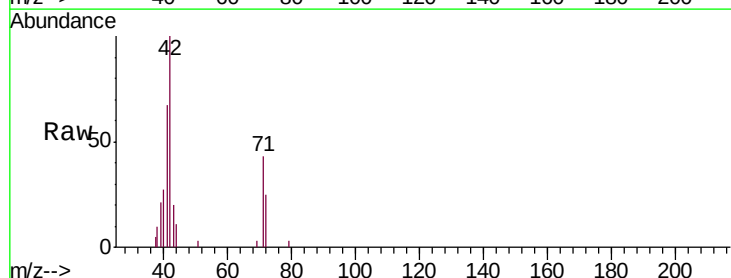
Tgt Ion: 42 Resp: 4597

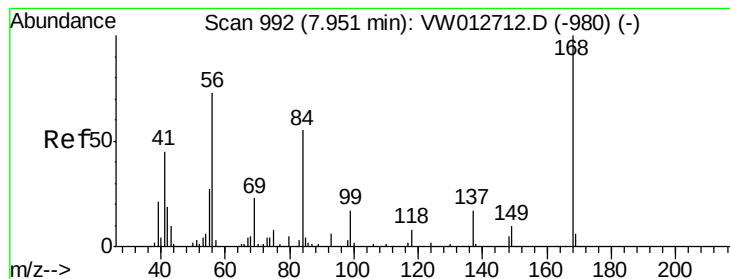
Ion Ratio Lower Upper

42 100

72 35.5 28.4 42.6

71 40.0 27.1 40.7





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampled :

T11-D4-(4)

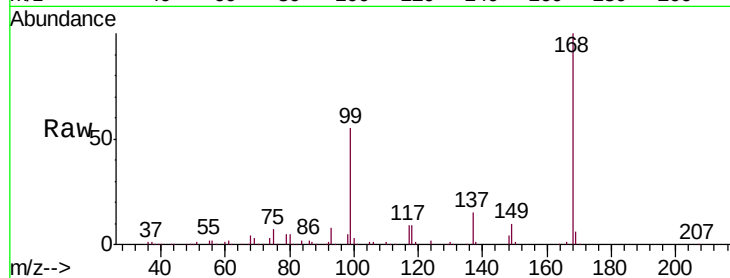
Tgt Ion: 56 Resp: 5556

Ion Ratio Lower Upper

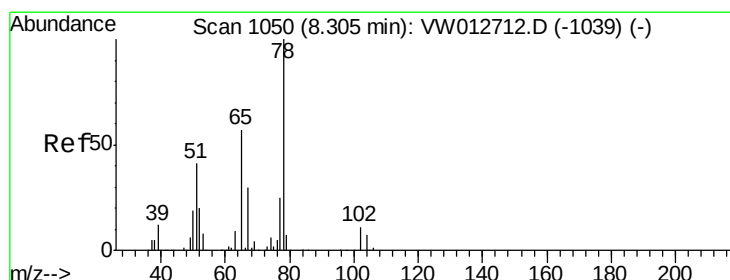
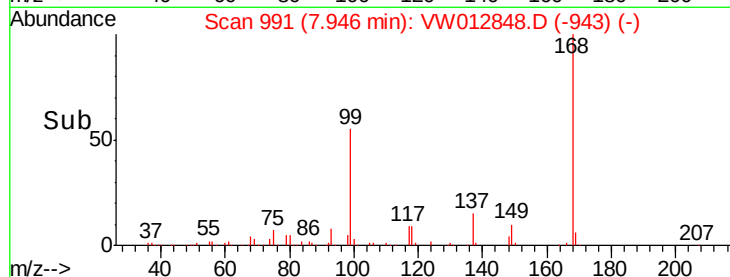
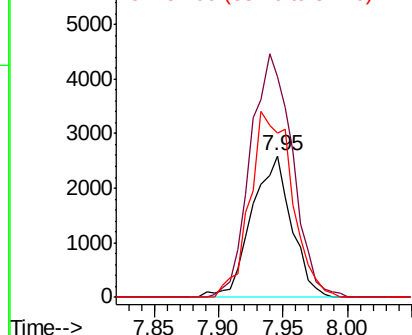
56 100

69 156.3 25.7 38.5#

84 116.5 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: 46.689 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012848.D

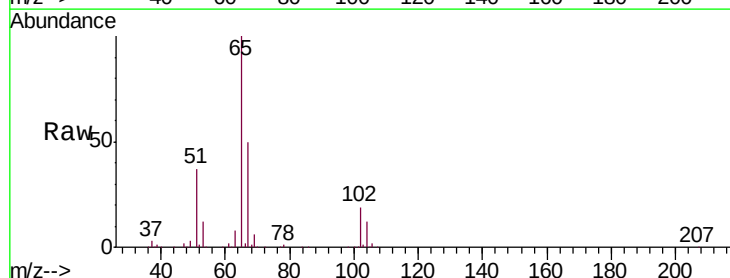
Acq: 10 Sep 2019 03:38

Tgt Ion: 65 Resp: 143202

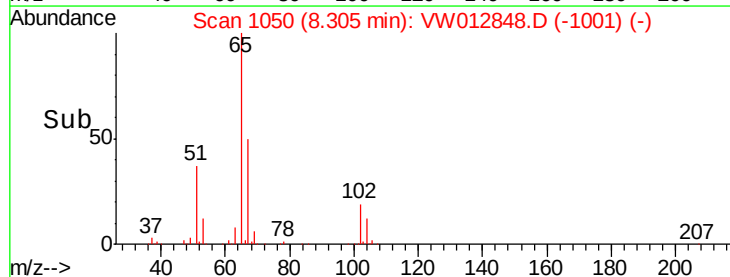
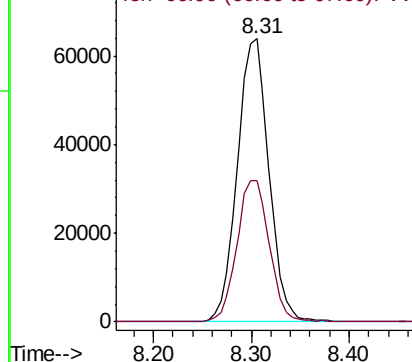
Ion Ratio Lower Upper

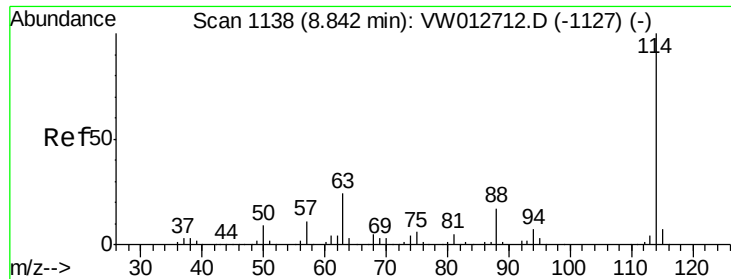
65 100

67 51.1 0.0 101.8



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

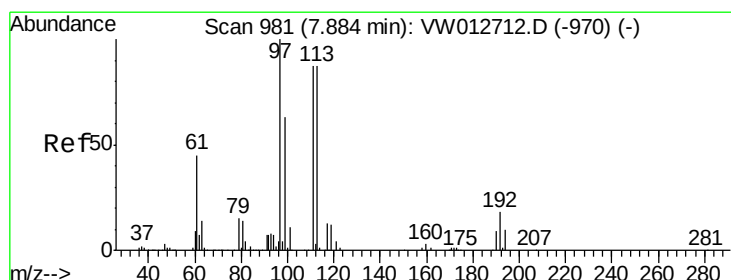
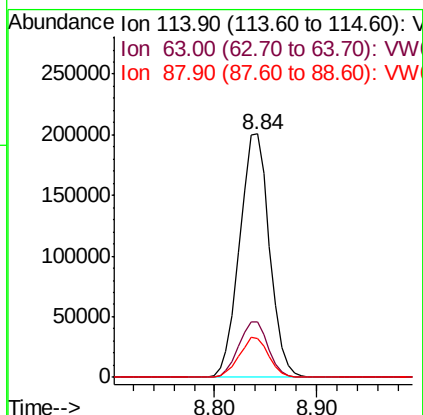
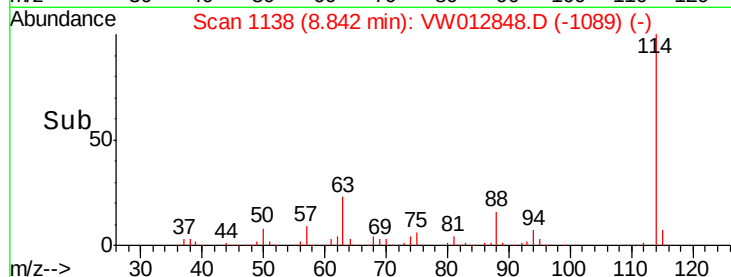
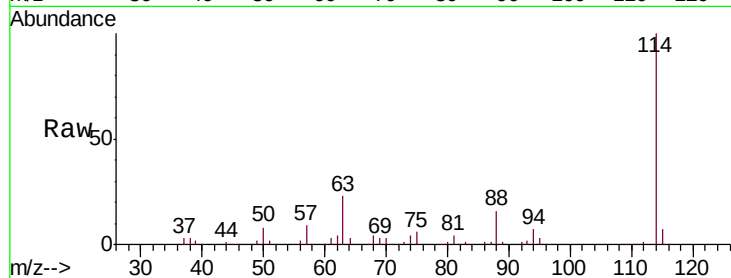




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012848.D
 Acq: 10 Sep 2019 03:38

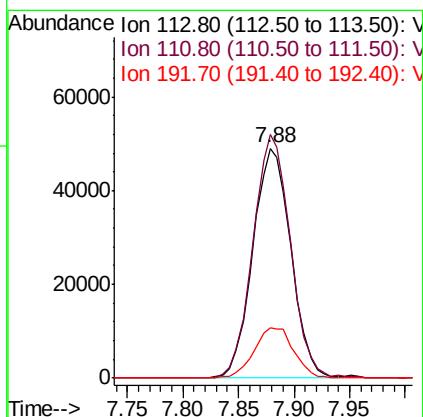
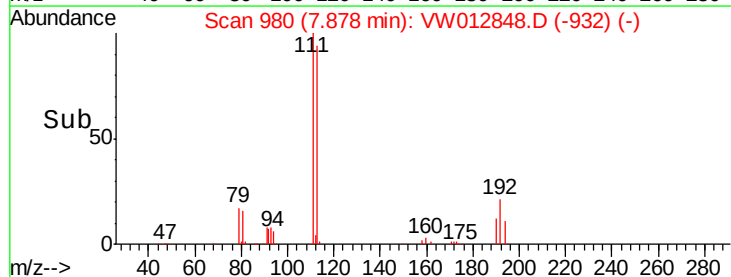
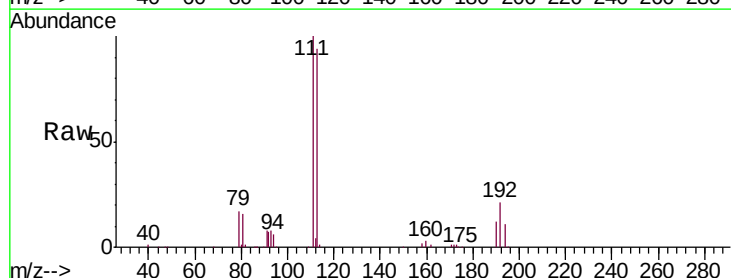
Instrument :
 MSVOA_W
 ClientSampled :
 T11-D4-(4)

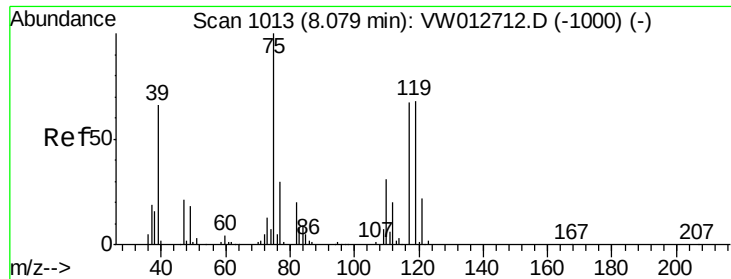
Tgt Ion:114 Resp: 408676
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.0 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 47.999 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012848.D
 Acq: 10 Sep 2019 03:38

Tgt Ion:113 Resp: 116624
 Ion Ratio Lower Upper
 113 100
 111 104.9 80.2 120.4
 192 22.8 17.3 25.9

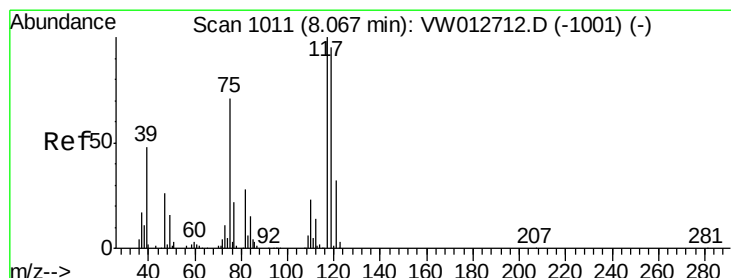
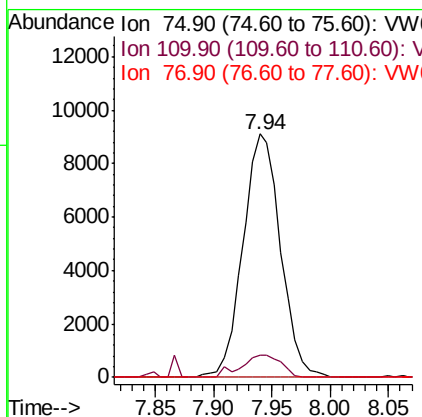
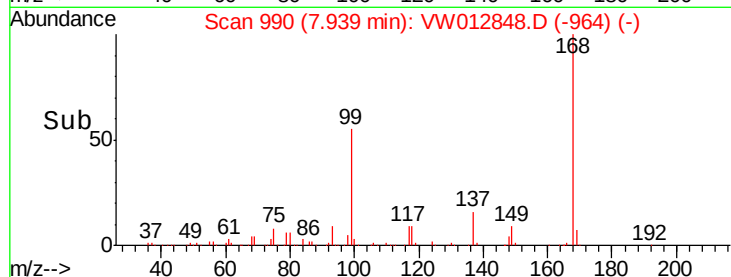
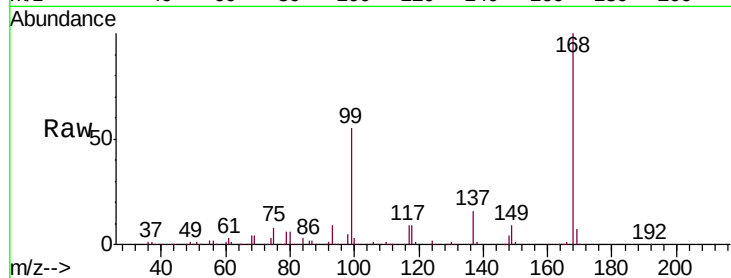




#36
 1,1-Dichloropropene
 Concen: 5.641 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012848.D
 Acq: 10 Sep 2019 03:38

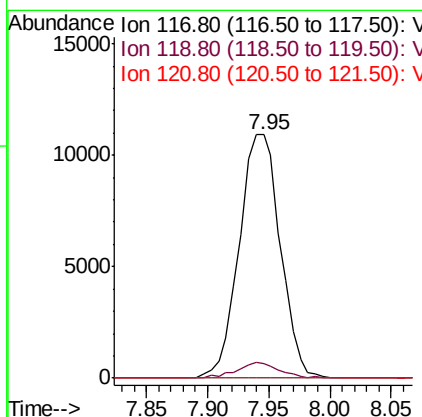
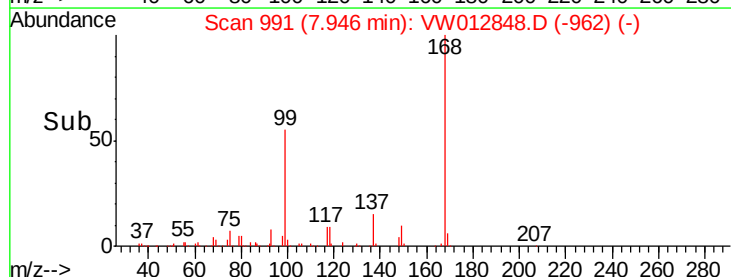
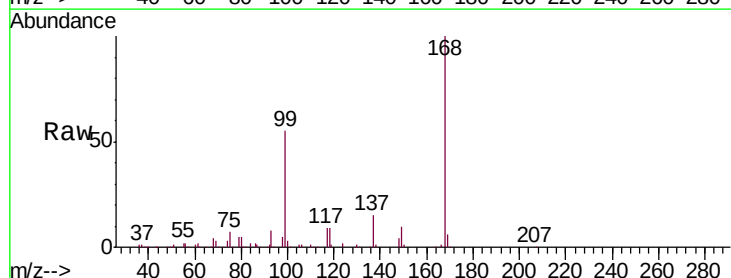
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D4-(4)

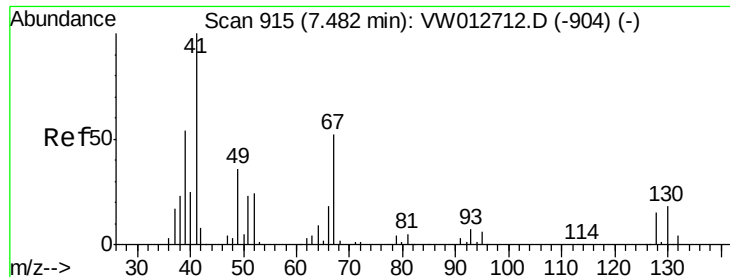
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012848.D
 Acq: 10 Sep 2019 03:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.2	114.2#
121	0.0	25.4	38.2#

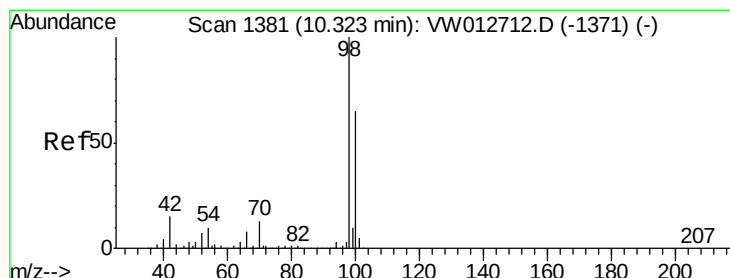
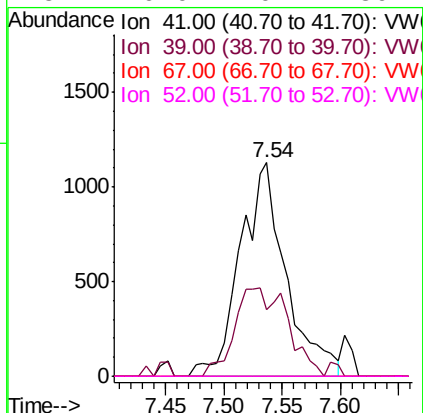
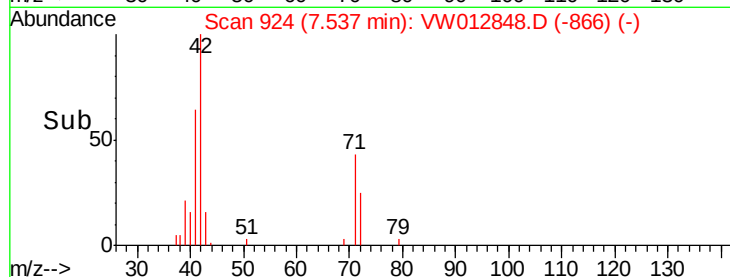
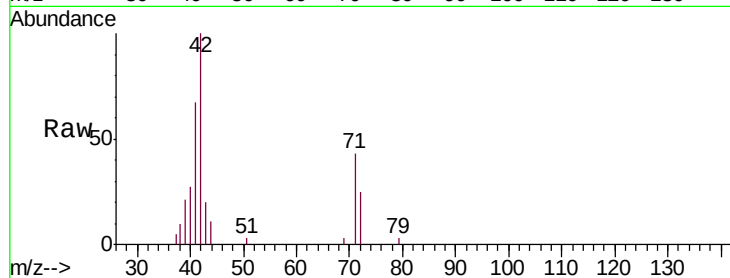




#41
Methacrylonitrile
Concen: 5.648 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012848.D
Acq: 10 Sep 2019 03:38

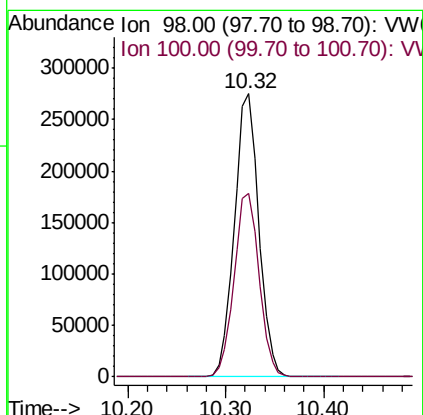
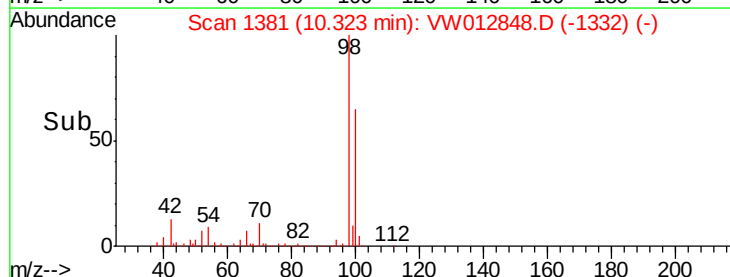
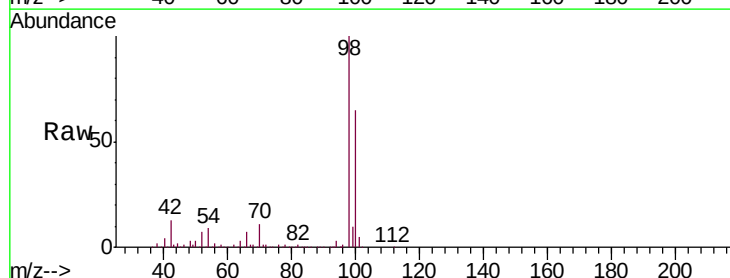
Instrument :
MSVOA_W
ClientSampleId :
T11-D4-(4)

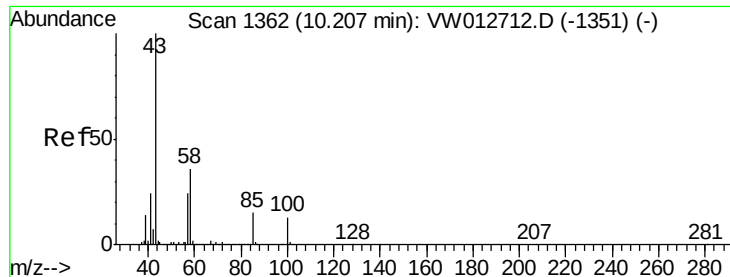
Tgt Ion:	41	Resp:	3083
Ion	Ratio	Lower	Upper
41	100		
39	48.0	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 50.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012848.D
Acq: 10 Sep 2019 03:38

Tgt Ion:	98	Resp:	477429
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 1.074 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampled :

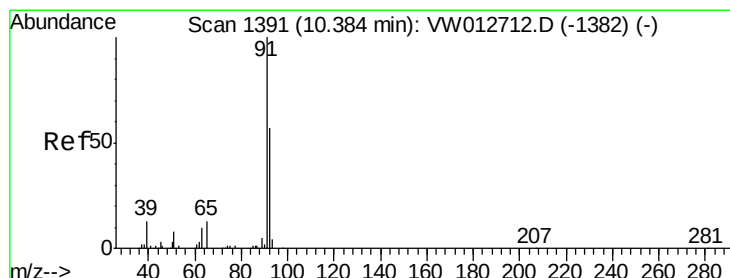
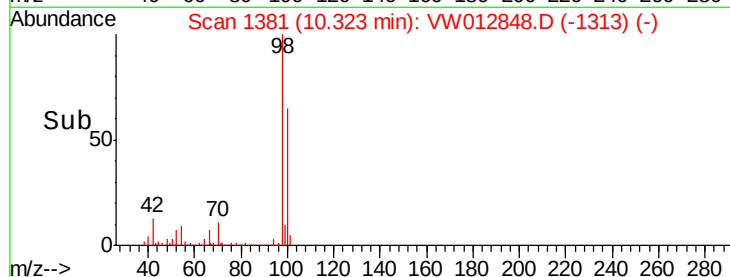
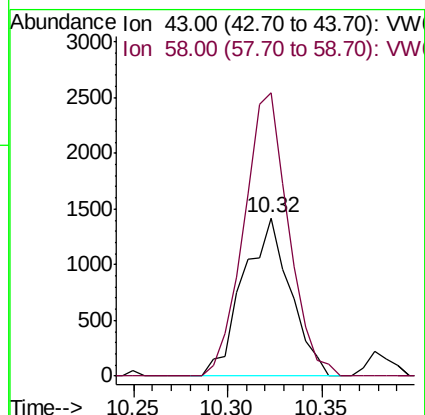
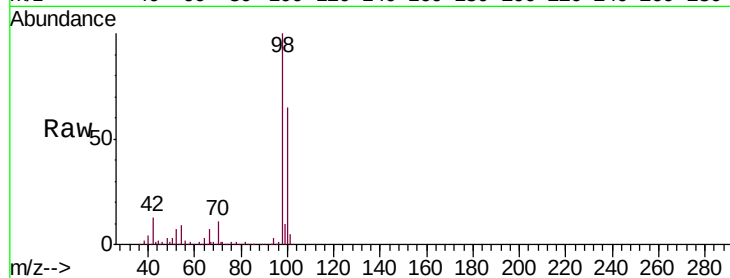
T11-D4-(4)

Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

58 168.0 28.4 42.6#



#52

Toluene

Concen: 1.564 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012848.D

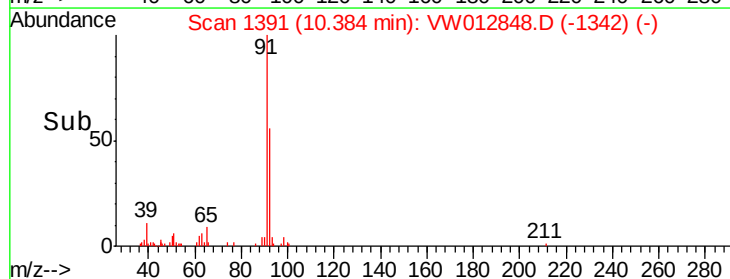
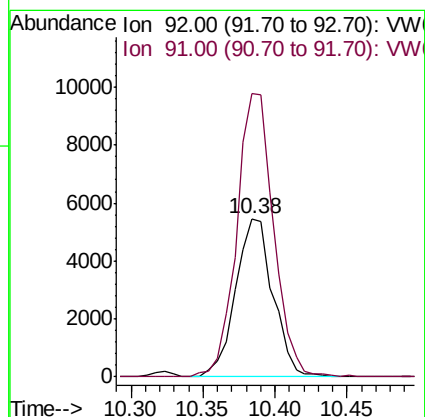
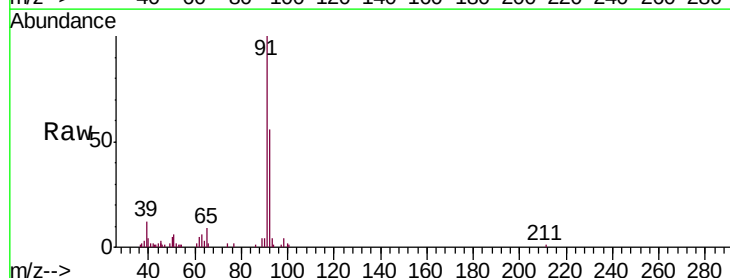
Acq: 10 Sep 2019 03:38

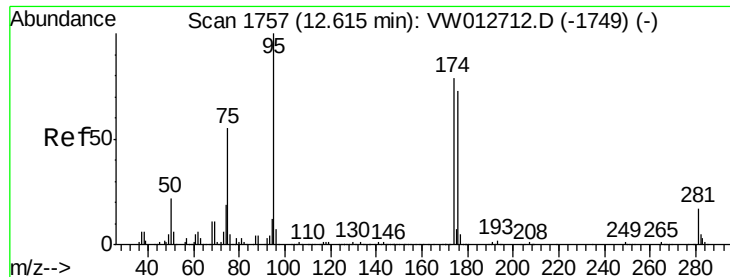
Tgt Ion: 92 Resp: 9837

Ion Ratio Lower Upper

92 100

91 176.6 137.0 205.4

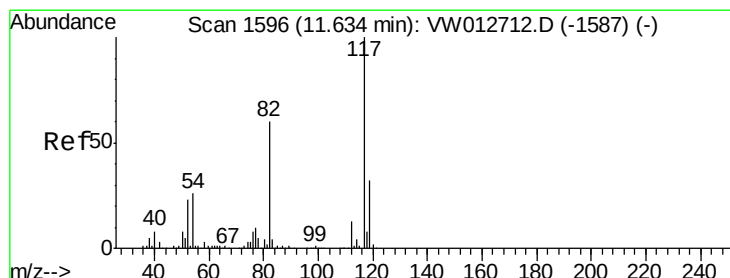
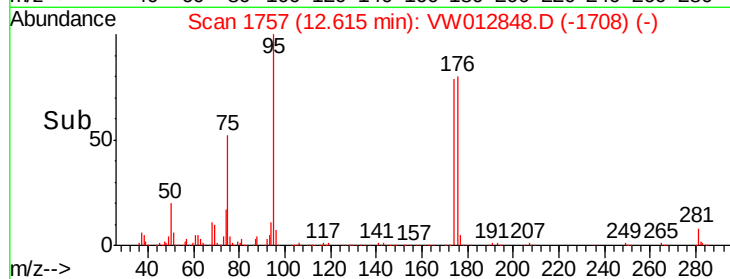
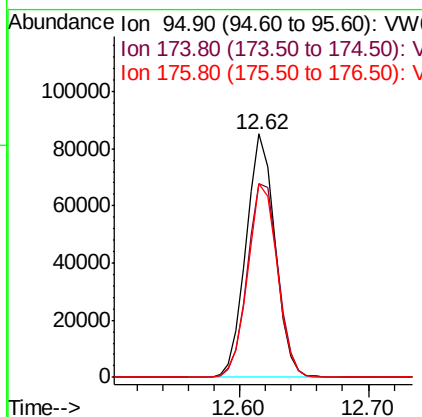
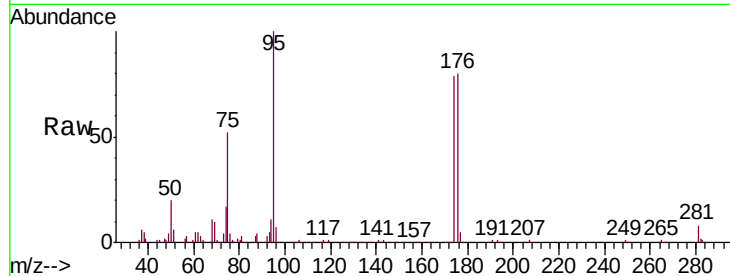




#62
4-Bromofluorobenzene
Concen: 38.272 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012848.D
Acq: 10 Sep 2019 03:38

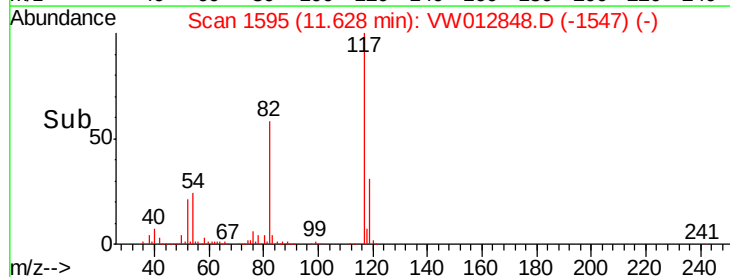
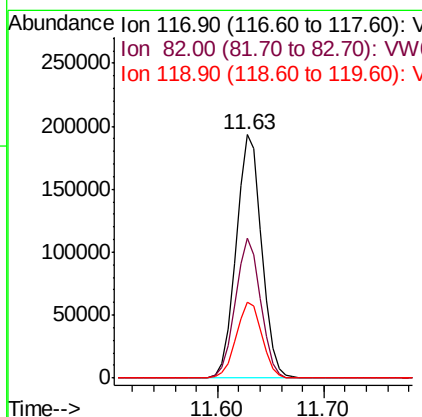
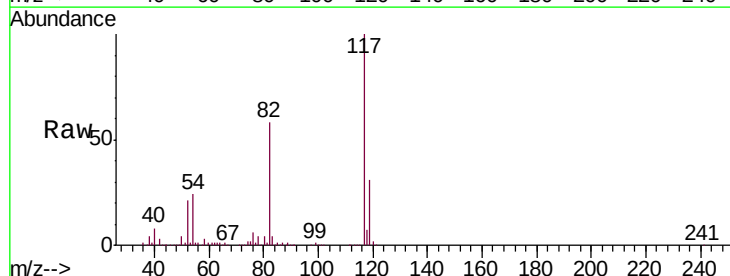
Instrument :
MSVOA_W
ClientSampled :
T11-D4-(4)

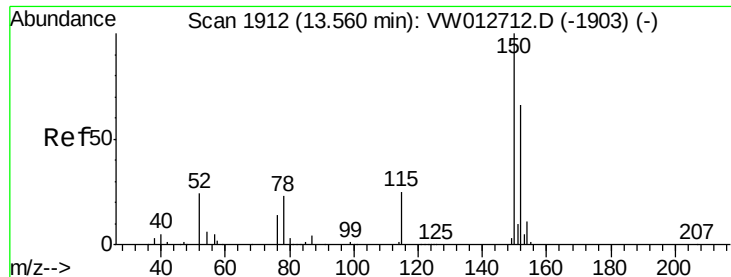
Tgt Ion	Resp	Lower	Upper
95	132256		
174	83.9	0.0	161.0
176	81.1	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012848.D
Acq: 10 Sep 2019 03:38

Tgt Ion	Resp	Lower	Upper
117	325212		
82	57.5	48.2	72.4
119	31.4	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

T11-D4-(4)

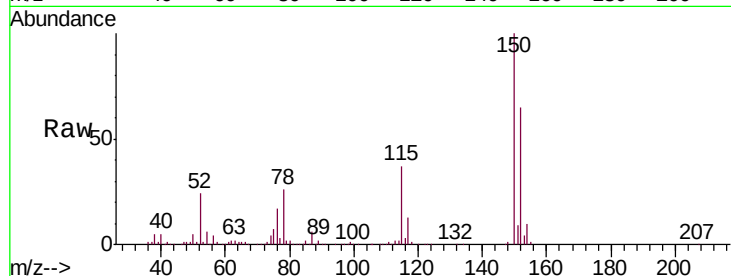
Tgt Ion:152 Resp: 104549

Ion Ratio Lower Upper

152 100

115 56.2 30.0 90.1

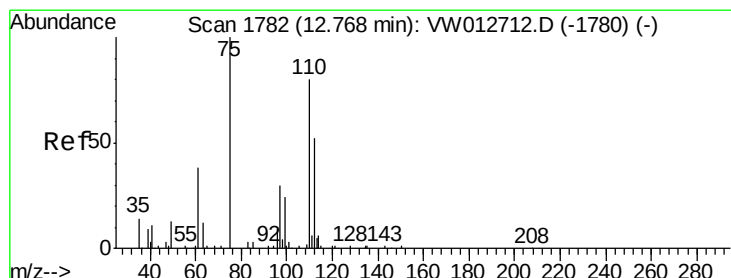
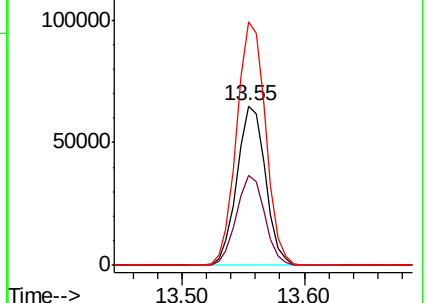
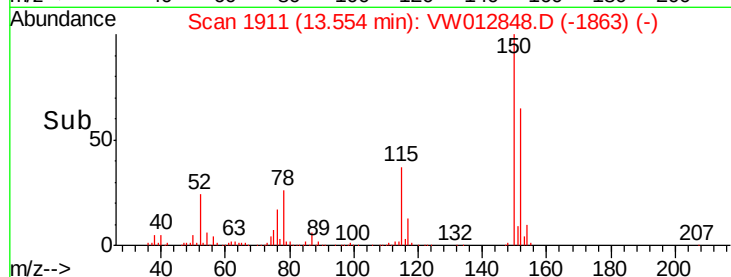
150 155.2 0.0 349.0



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: 64.610 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012848.D

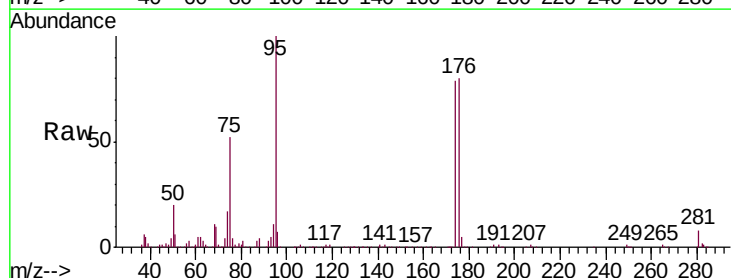
Acq: 10 Sep 2019 03:38

Tgt Ion: 75 Resp: 69072

Ion Ratio Lower Upper

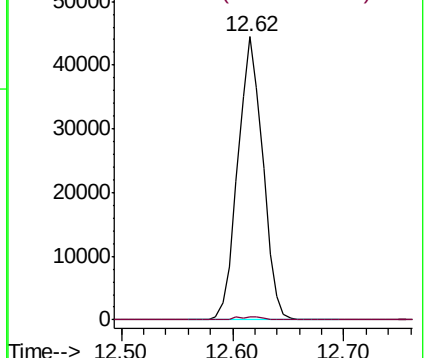
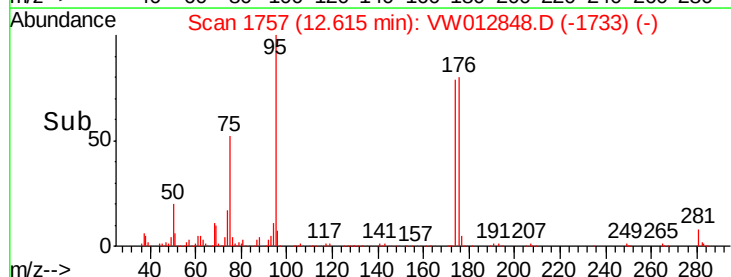
75 100

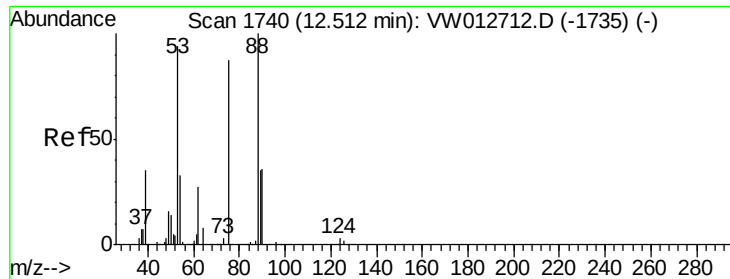
77 1.2 0.0 0.0#



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: 136.655 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Instrument :

MSVOA_W

ClientSampleId :

T11-D4-(4)

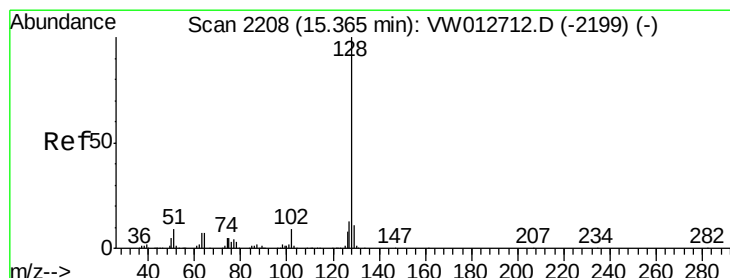
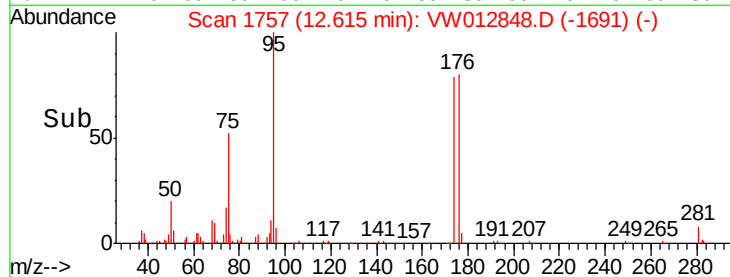
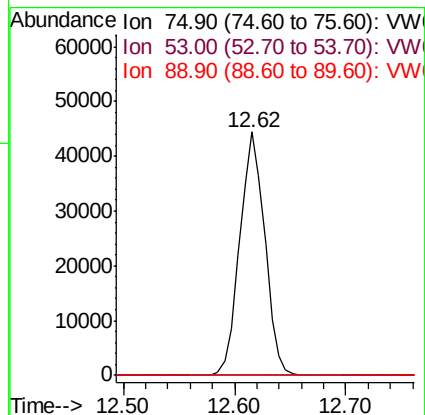
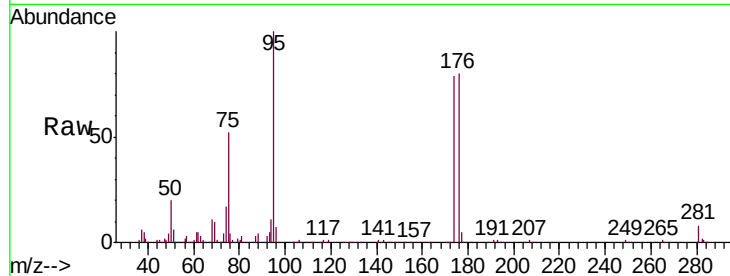
Tgt Ion: 75 Resp: 69072

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.3 35.5 53.3#



#95

Naphthalene

Concen: 4.482 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012848.D

Acq: 10 Sep 2019 03:38

Tgt Ion: 128 Resp: 205

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

