

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012902.D
 Acq On : 11 Sep 2019 06:39
 Operator : SY/VA
 Sample : K4680-09
 Misc : 4.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-3-(2)

Quant Time: Sep 11 08:25:46 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	239889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	113168	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	133145	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.88	113	105570	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.32	98	435275	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.62	95	129879	42.35	ug/l	0.00
Spiked Amount			Recovery	=	84.70%	

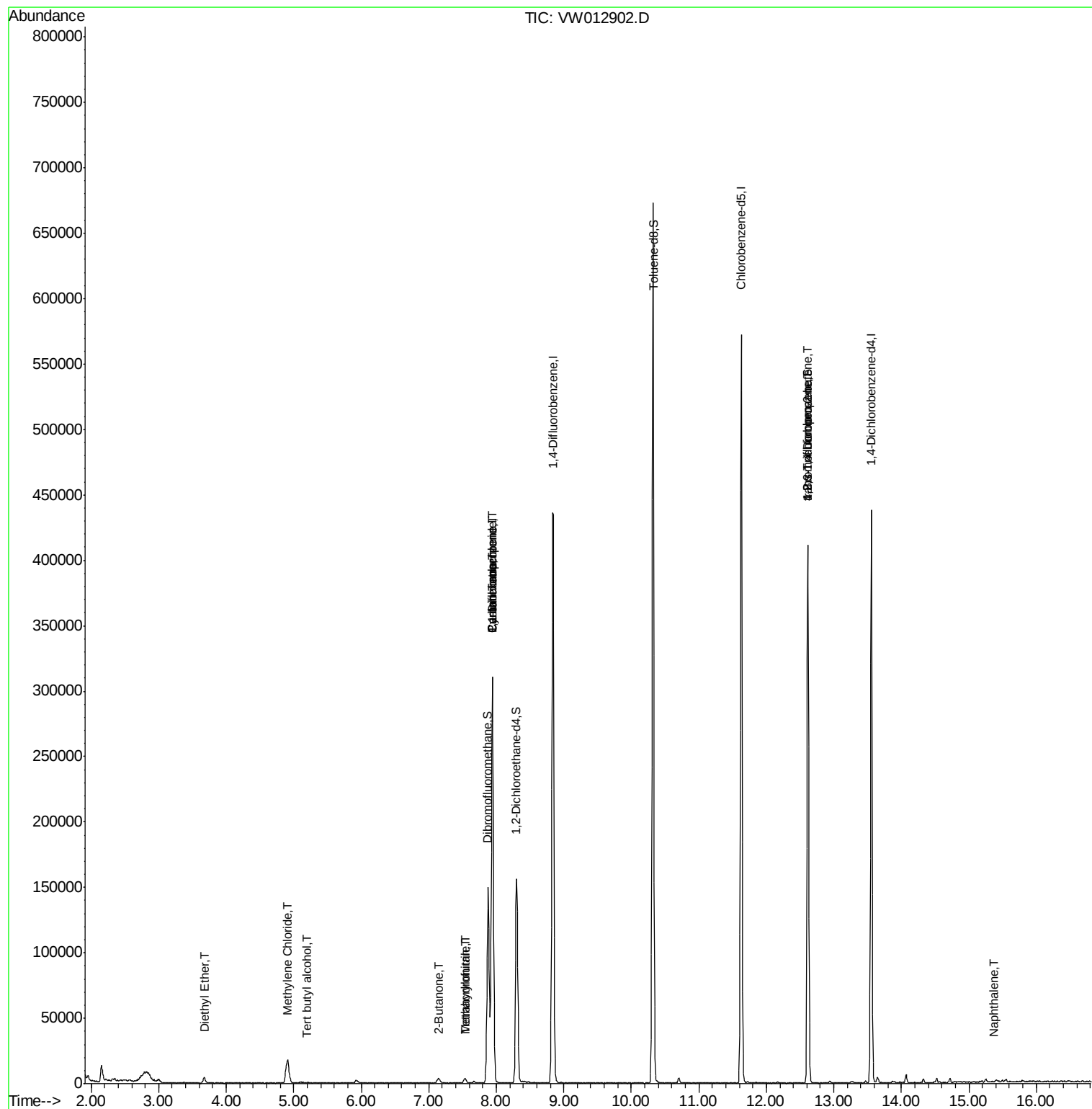
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2195	1.953	ug/l	94
11) Tert butyl alcohol	5.19	59	291	1.419	ug/l #	72
20) Methylene Chloride	4.92	84	13098	5.729	ug/l #	84
25) 2-Butanone	7.15	43	294	19.932	ug/l #	53
29) Tetrahydrofuran	7.54	42	2931	4.967	ug/l #	79
31) Cyclohexane	7.95	56	5292	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17652	5.478	ug/l #	51
38) Carbon Tetrachloride	7.94	117	22892	7.207	ug/l #	16
41) Methacrylonitrile	7.54	41	1875	5.078	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	69814	60.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69814	127.603	ug/l #	6
95) Naphthalene	15.37	128	478	4.531	ug/l #	69

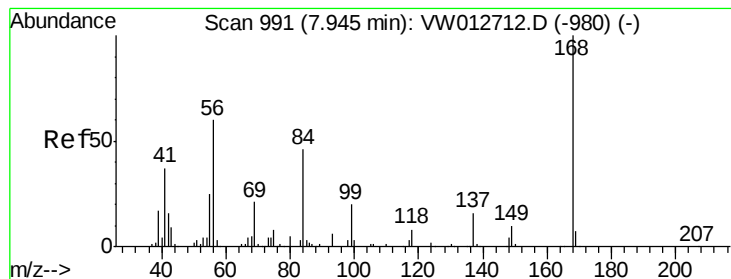
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012902.D

Acq: 11 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampleId :

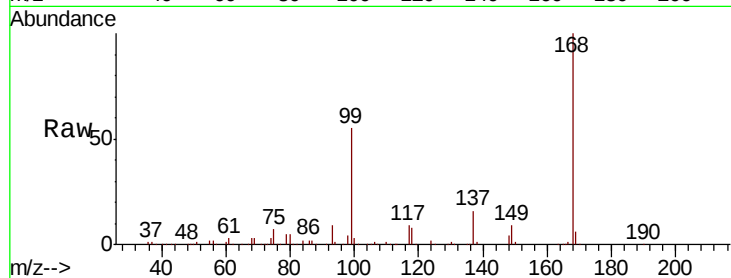
T2-3-(2)

Tgt Ion:168 Resp: 239889

Ion Ratio Lower Upper

168 100

99 54.9 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

120000

100000

80000

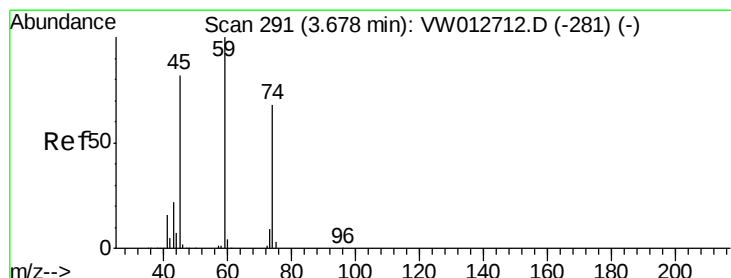
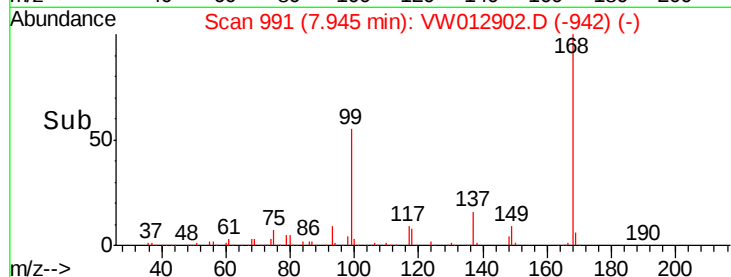
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.953 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012902.D

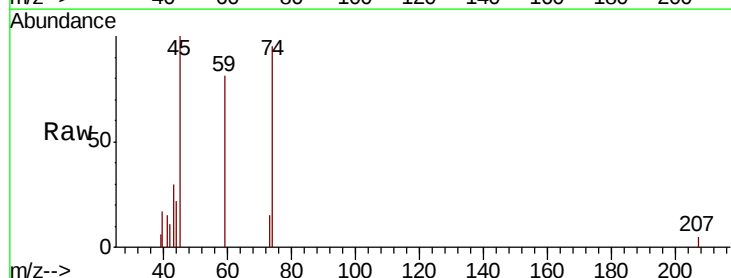
Acq: 11 Sep 2019 06:39

Tgt Ion: 74 Resp: 2195

Ion Ratio Lower Upper

74 100

45 124.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

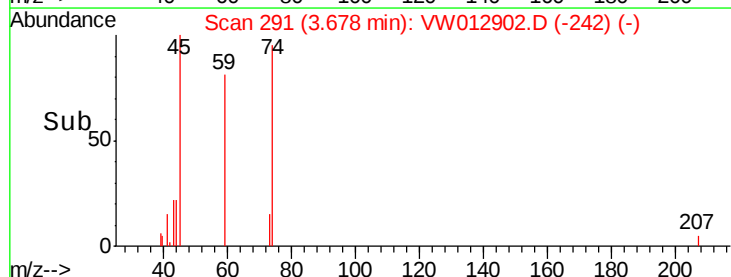
1500

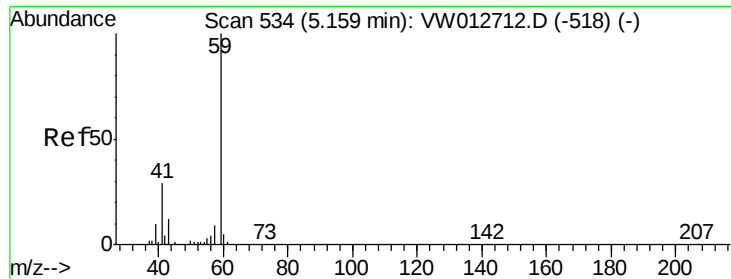
1000

500

0

Time--> 3.60 3.65 3.70 3.75



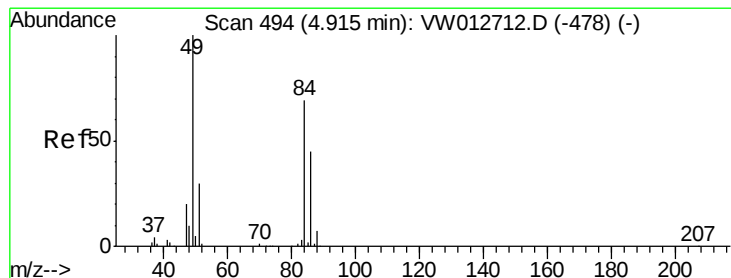
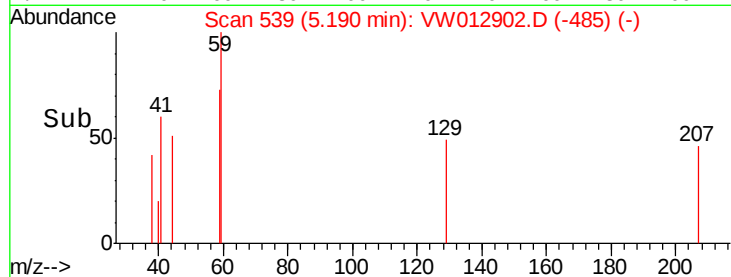
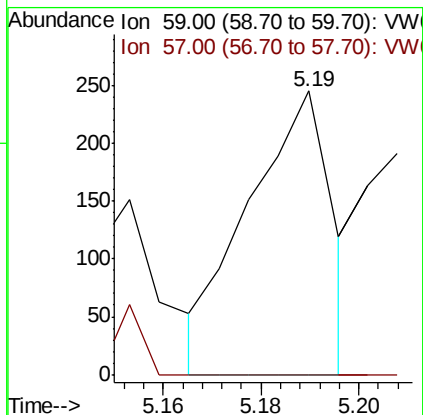
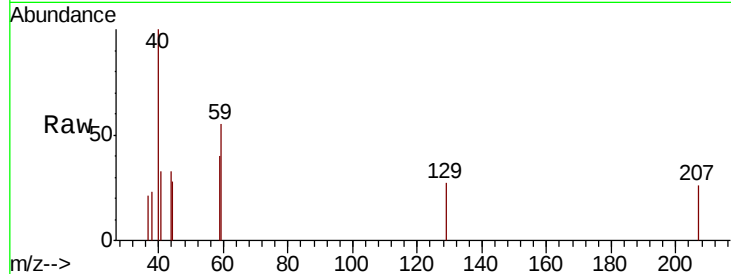


#11

Tert butyl alcohol
 Concen: 1.419 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW012902.D
 Acq: 11 Sep 2019 06:39

Instrument :
 MSVOA_W
 ClientSampled :
 T2-3-(2)

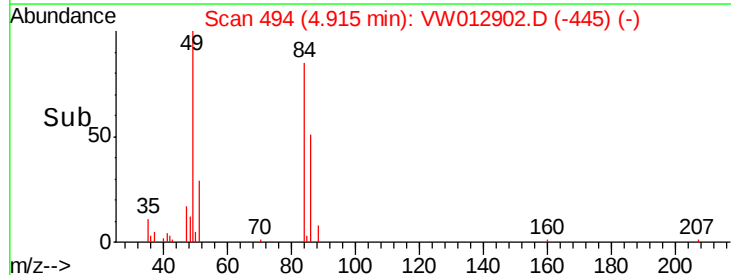
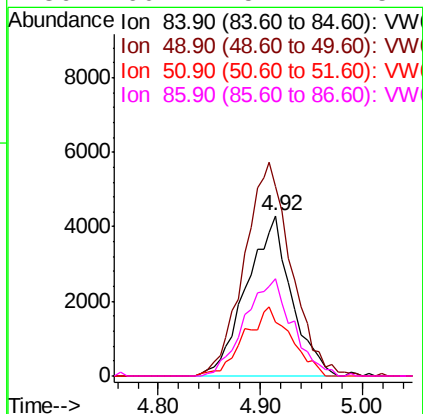
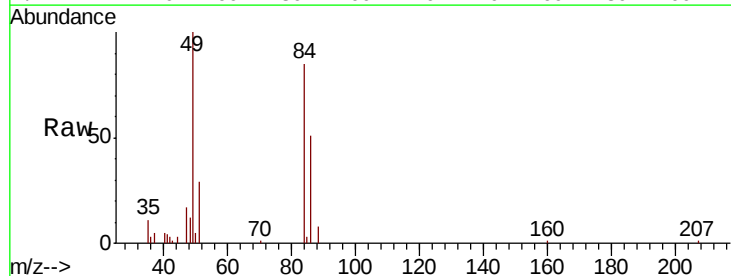
Tgt Ion: 59 Resp: 291
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

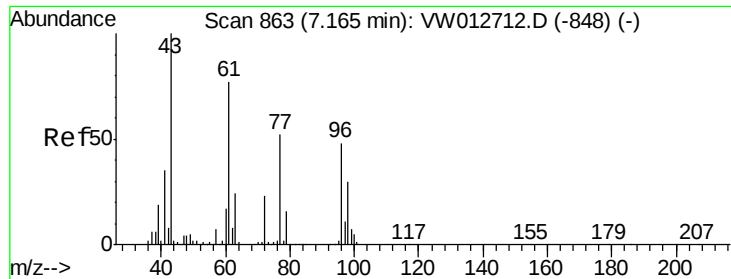


#20

Methylene Chloride
 Concen: 5.729 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VW012902.D
 Acq: 11 Sep 2019 06:39

Tgt Ion: 84 Resp: 13098
 Ion Ratio Lower Upper
 84 100
 49 117.9 115.4 173.0
 51 33.7 34.9 52.3#
 86 60.2 52.2 78.4





#25

2-Butanone

Concen: 19.932 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampleId :

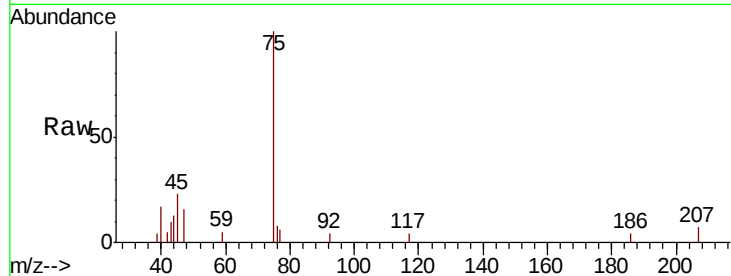
T2-3-(2)

Tgt Ion: 43 Resp: 294

Ion Ratio Lower Upper

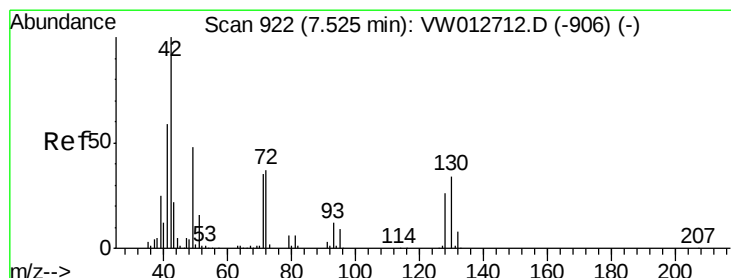
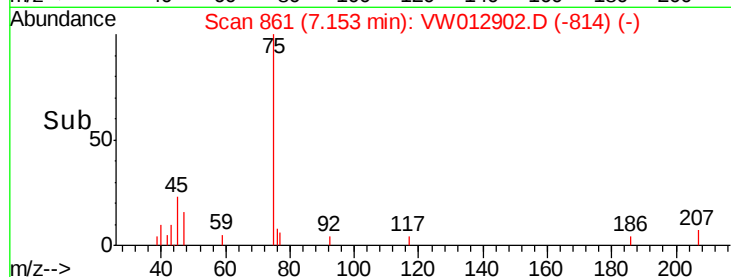
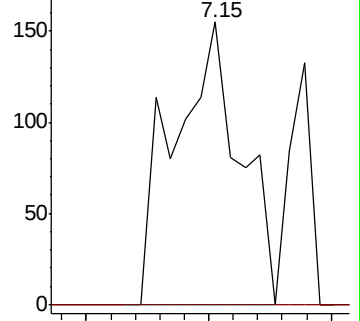
43 100

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: 4.967 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

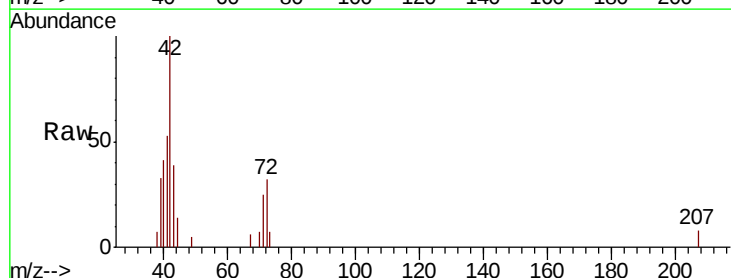
Tgt Ion: 42 Resp: 2931

Ion Ratio Lower Upper

42 100

72 40.4 28.4 42.6

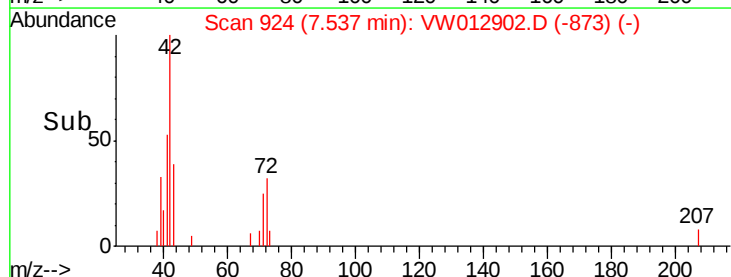
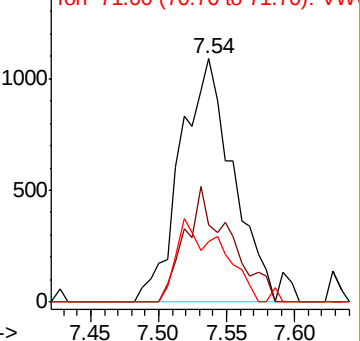
71 14.7 27.1 40.7#

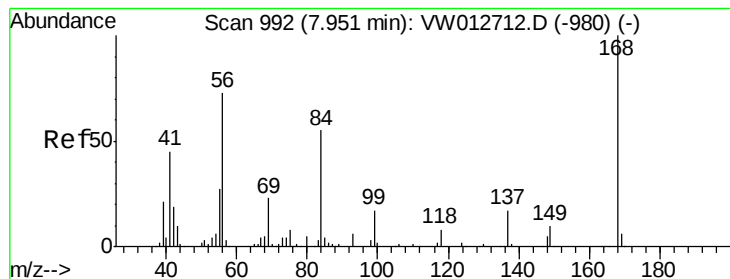


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.343 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampled :

T2-3-(2)

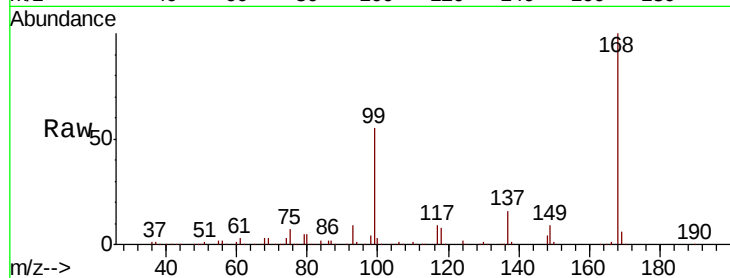
Tgt Ion: 56 Resp: 5292

Ion Ratio Lower Upper

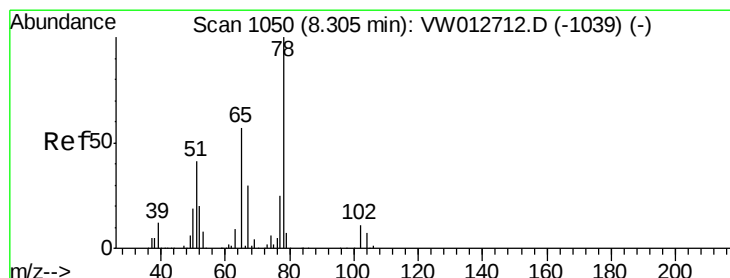
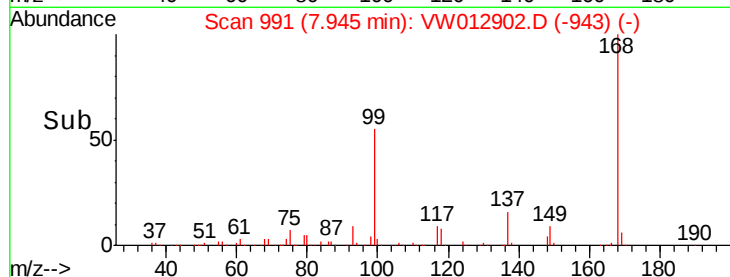
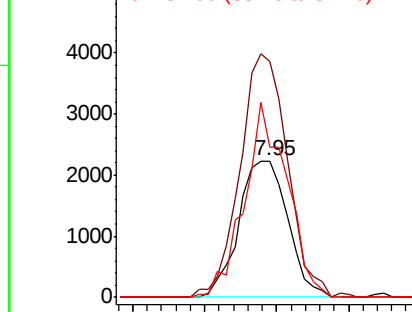
56 100

69 173.0 25.7 38.5#

84 110.5 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: 49.674 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012902.D

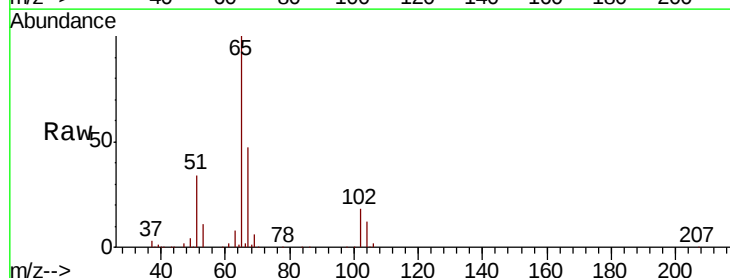
Acq: 11 Sep 2019 06:39

Tgt Ion: 65 Resp: 133145

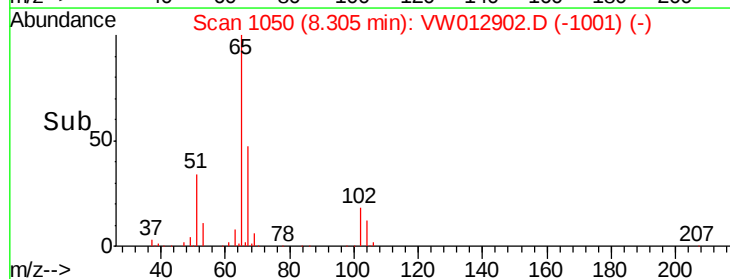
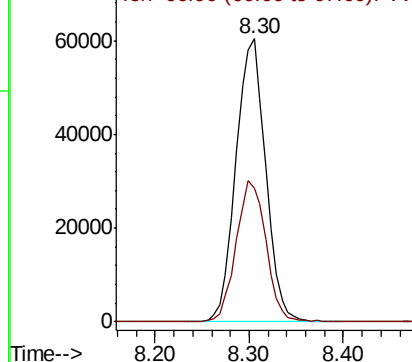
Ion Ratio Lower Upper

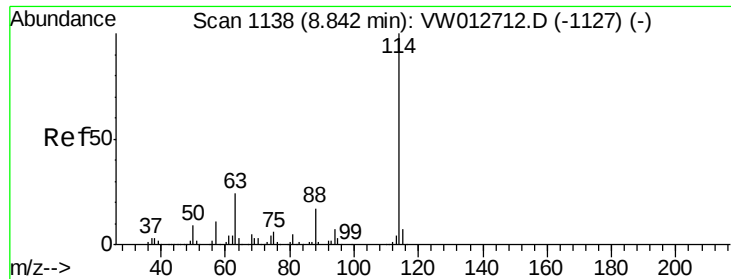
65 100

67 49.9 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: VW012902.D

Acq: 11 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampleId :

T2-3-(2)

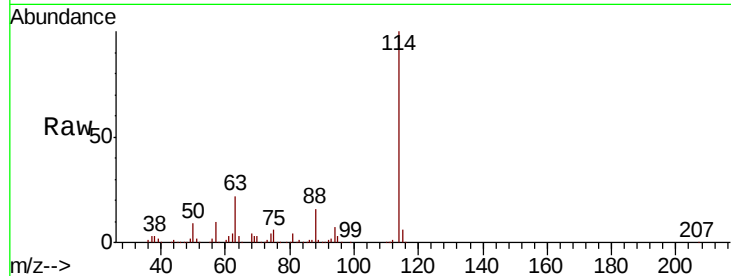
Tgt Ion:114 Resp: 362659

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.2

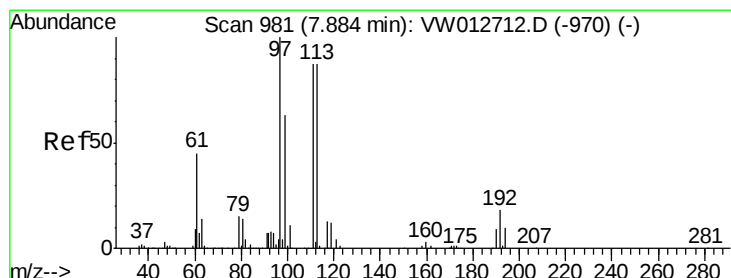
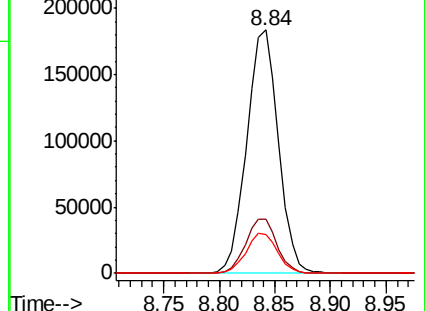
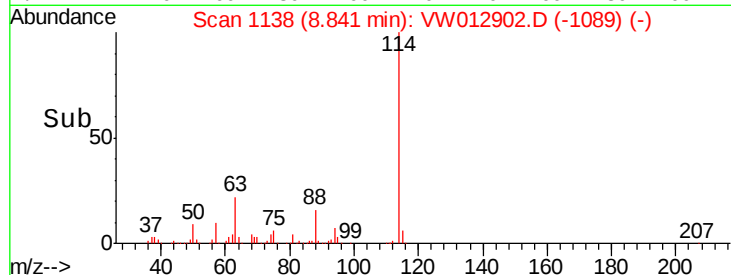
88 16.1 0.0 34.0



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: 48.963 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

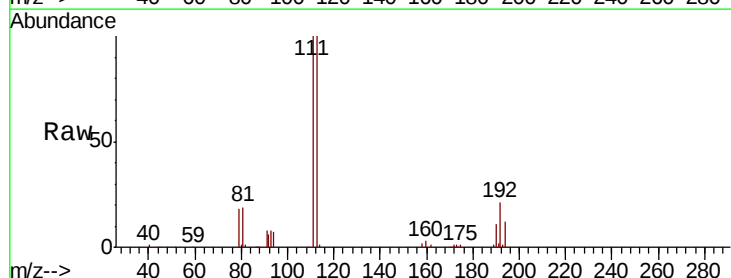
Tgt Ion:113 Resp: 105570

Ion Ratio Lower Upper

113 100

111 102.3 80.2 120.4

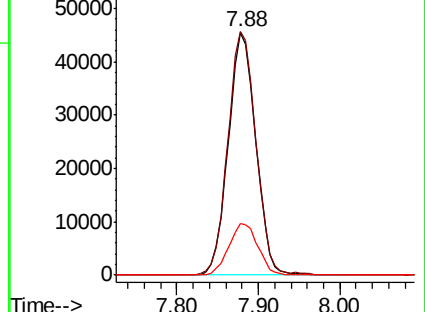
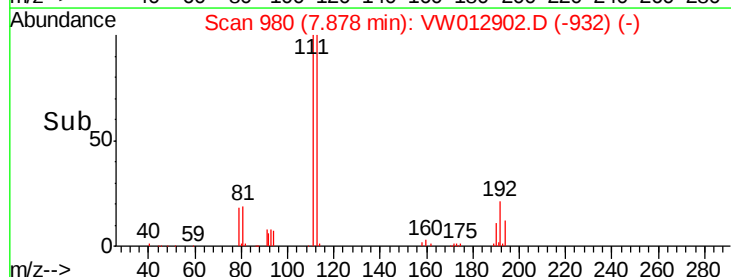
192 22.3 17.3 25.9

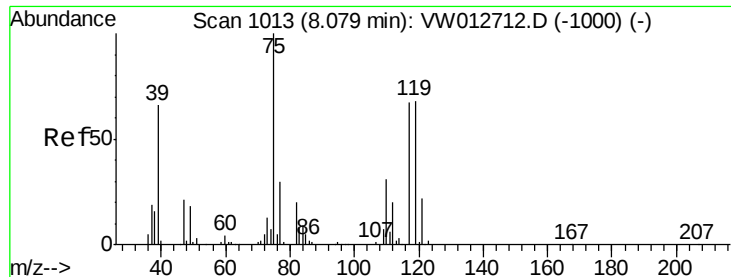


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

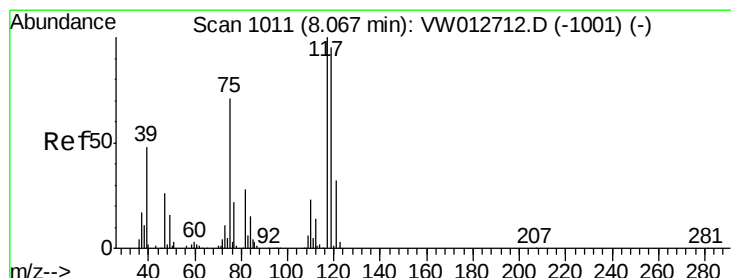
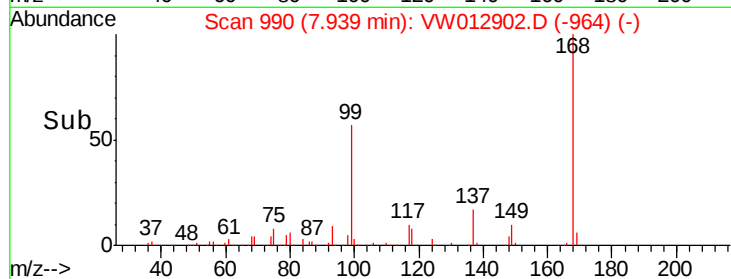
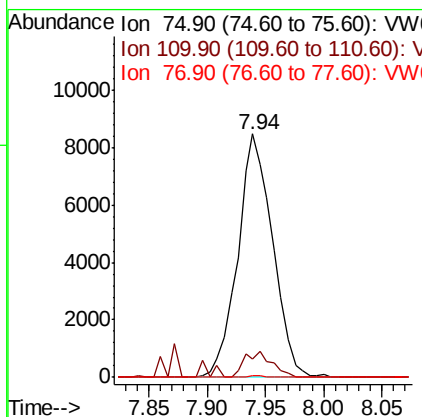
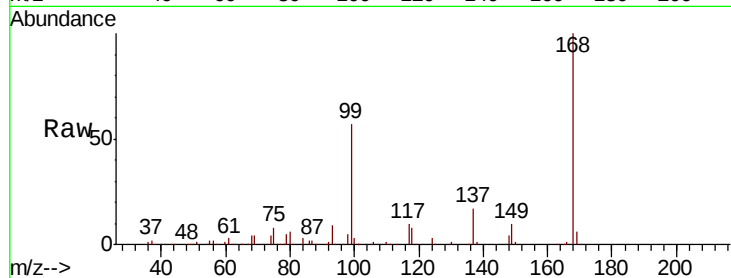




#36
 1,1-Dichloropropene
 Concen: 5.478 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012902.D
 Acq: 11 Sep 2019 06:39

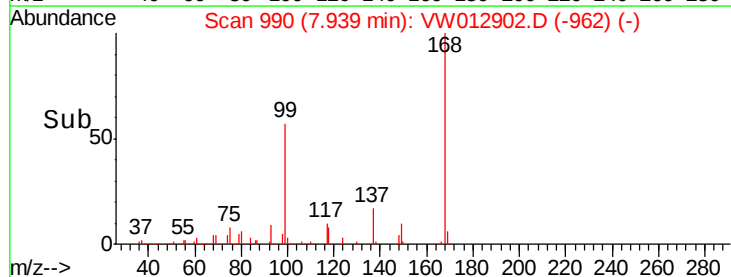
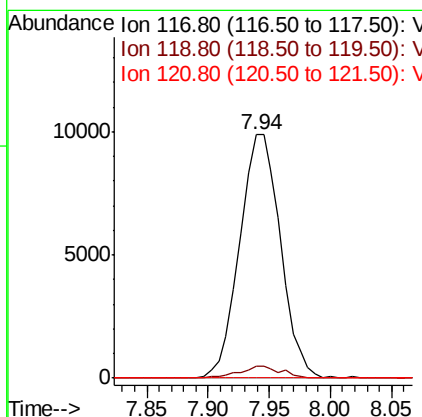
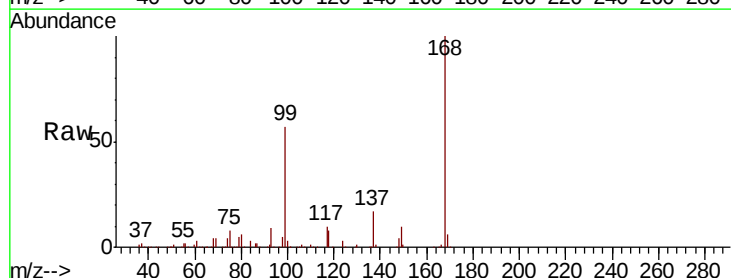
Instrument :
 MSVOA_W
 ClientSampled :
 T2-3-(2)

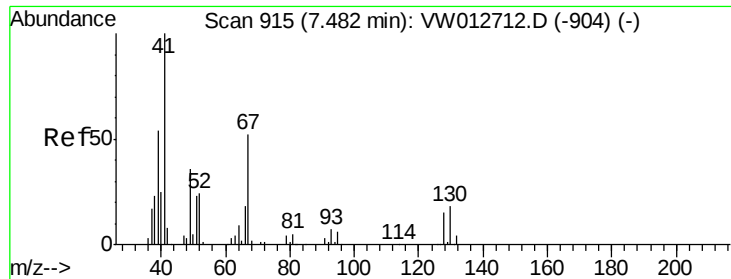
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.9	47.7#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.207 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012902.D
 Acq: 11 Sep 2019 06:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	25.4	38.2#

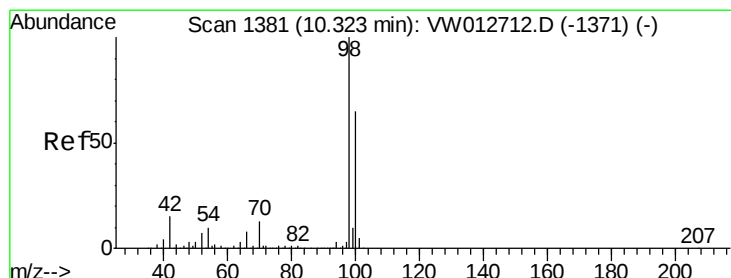
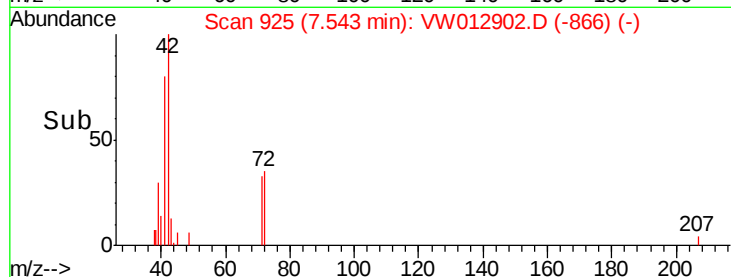
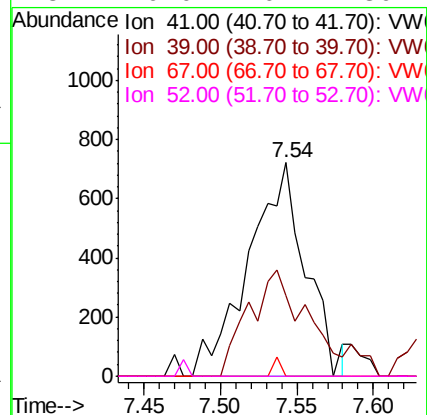
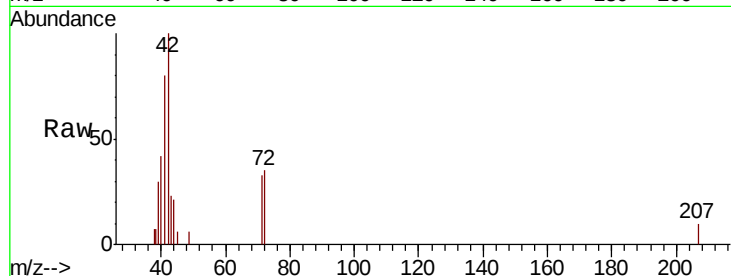




#41
Methacrylonitrile
Concen: 5.078 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

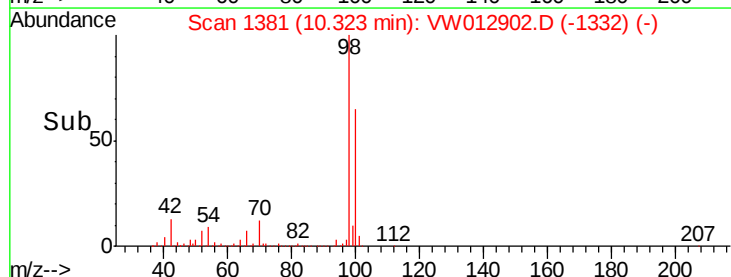
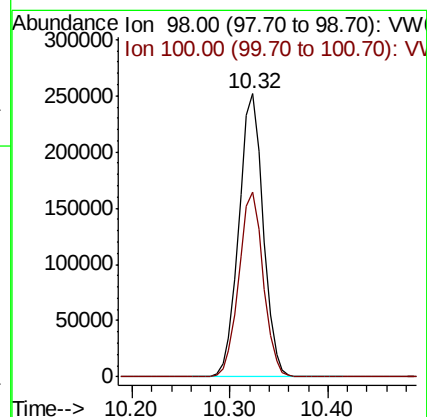
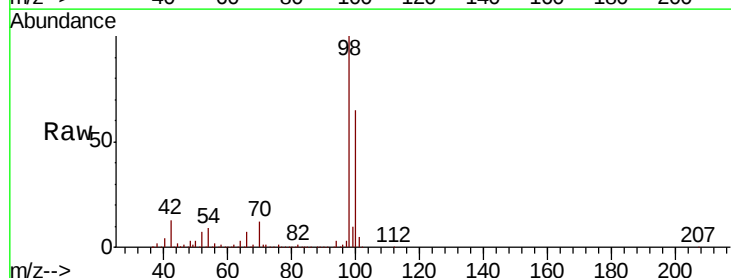
Instrument :
MSVOA_W
ClientSampled :
T2-3-(2)

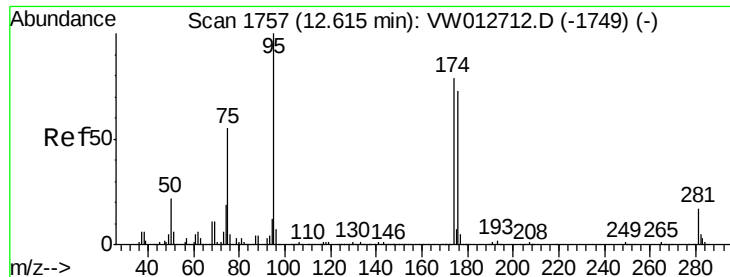
Tgt Ion:	41	Resp:	1875
Ion	Ratio	Lower	Upper
41	100		
39	50.1	47.5	71.3
67	1.3	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 51.529 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

Tgt Ion:	98	Resp:	435275
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4

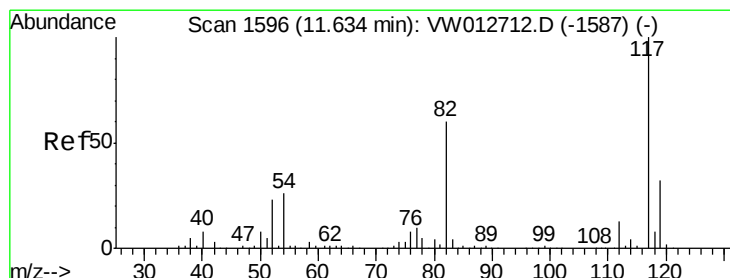
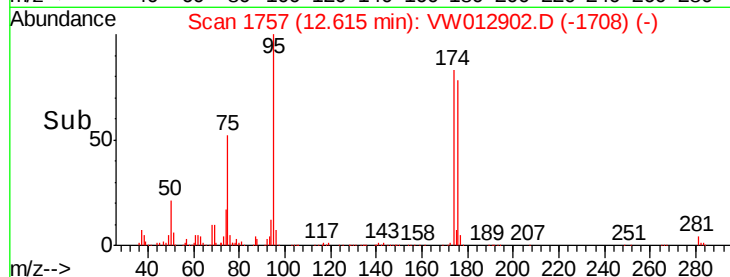
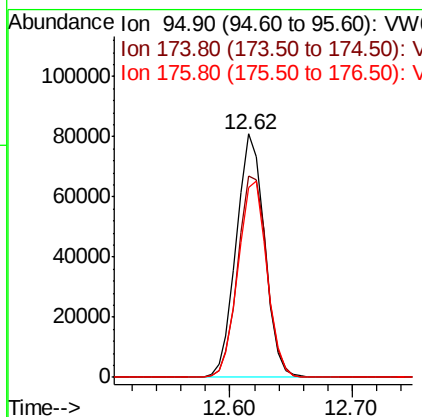
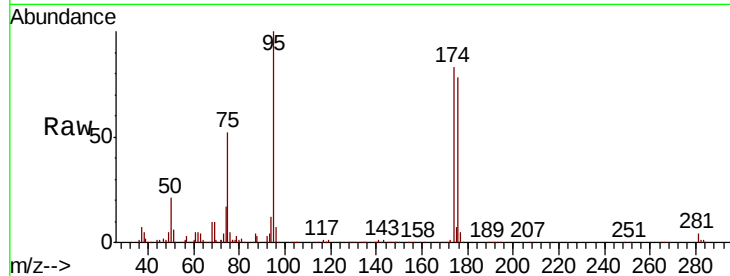




#62
4-Bromofluorobenzene
Concen: 42.353 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

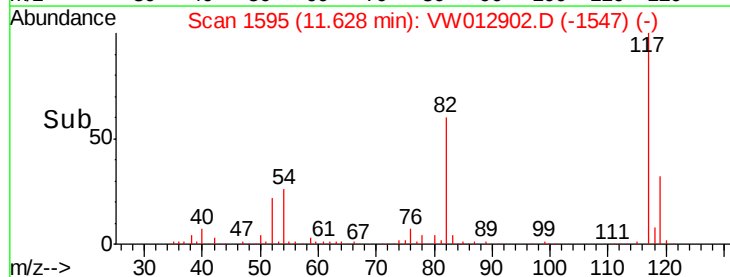
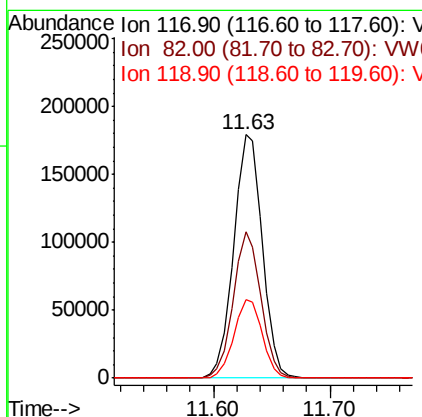
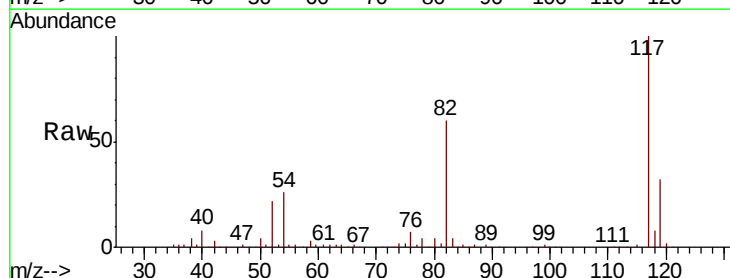
Instrument :
MSVOA_W
ClientSampleId :
T2-3-(2)

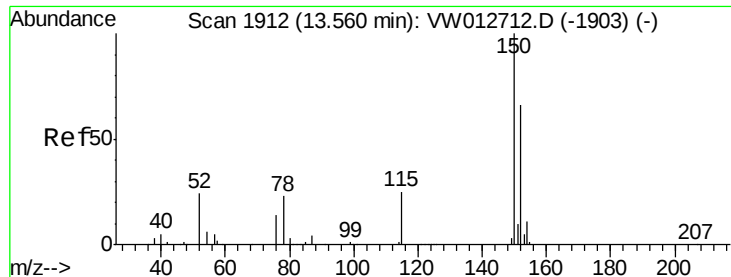
Tgt Ion: 95 Resp: 129879
Ion Ratio Lower Upper
95 100
174 85.1 0.0 161.0
176 82.1 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

Tgt Ion: 117 Resp: 307030
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.4
119 32.4 25.8 38.6



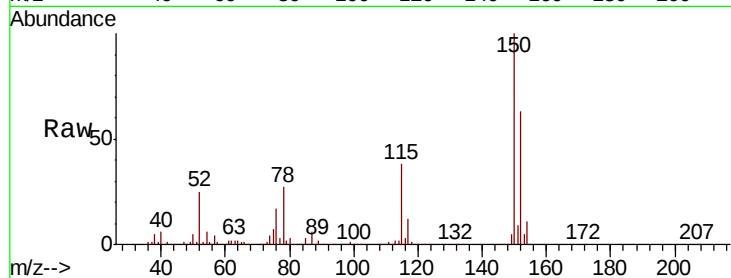


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

Instrument :
MSVOA_W
ClientSampleId :
T2-3-(2)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.0	90.1
150	156.2	0.0	349.0

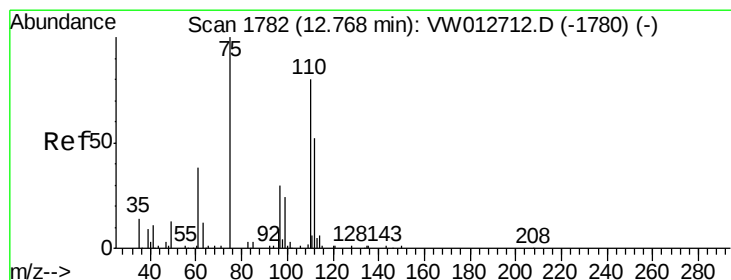
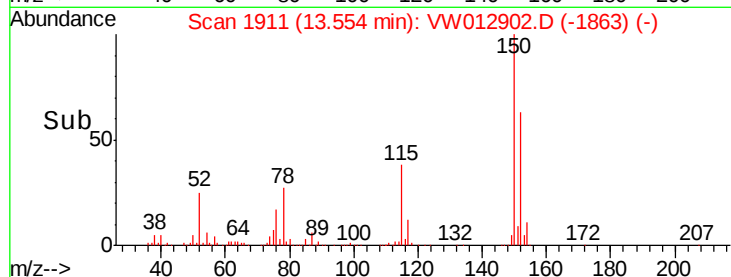
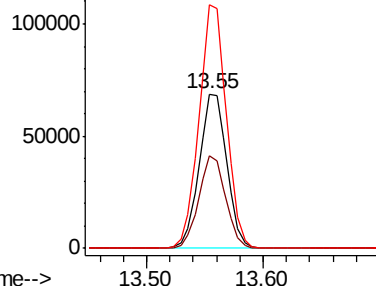


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

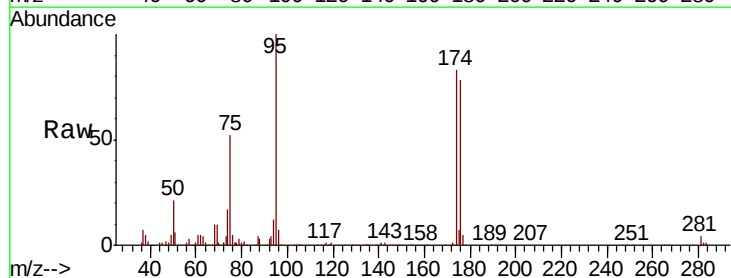
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 60.330 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012902.D
Acq: 11 Sep 2019 06:39

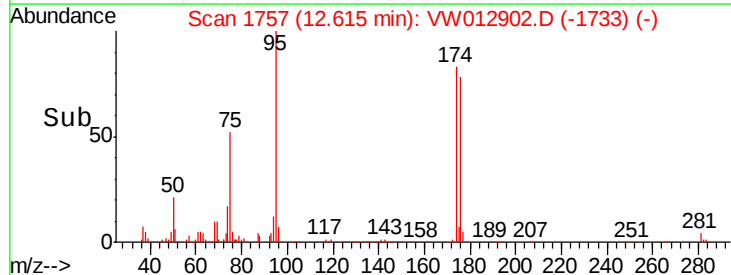
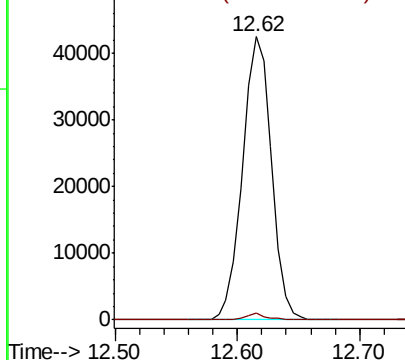
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

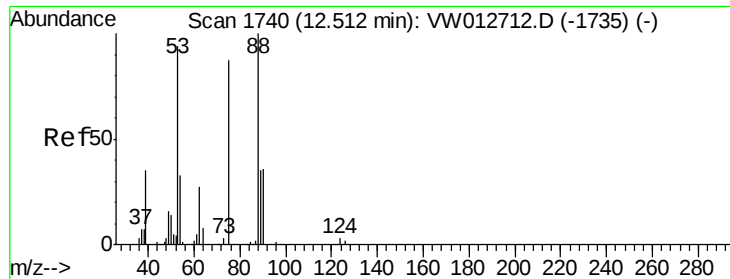


Abundance

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: 127.603 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

Instrument :

MSVOA_W

ClientSampled :

T2-3-(2)

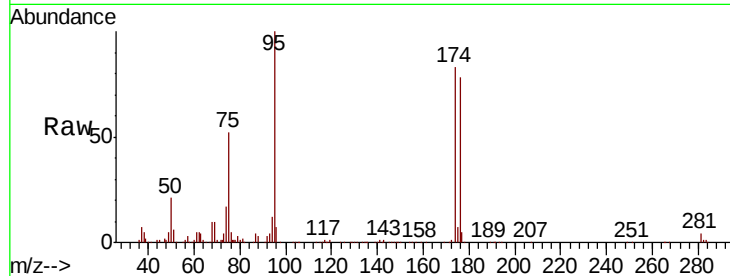
Tgt Ion: 75 Resp: 69814

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

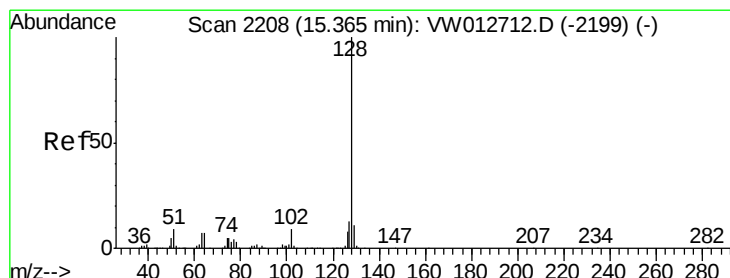
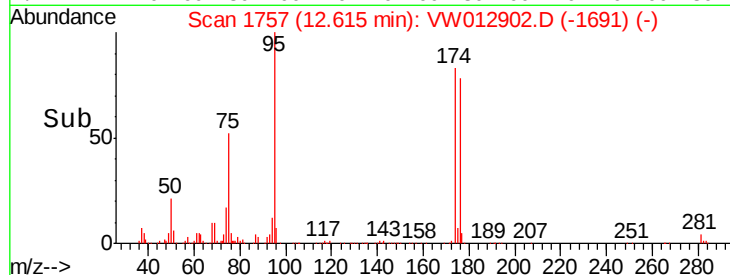
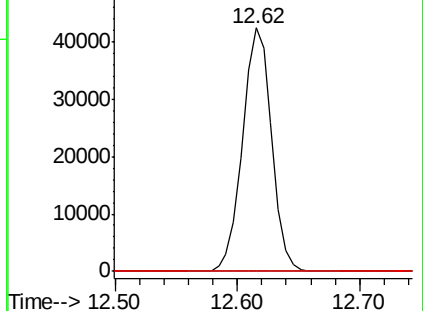
89 0.0 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.531 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012902.D

Acq: 11 Sep 2019 06:39

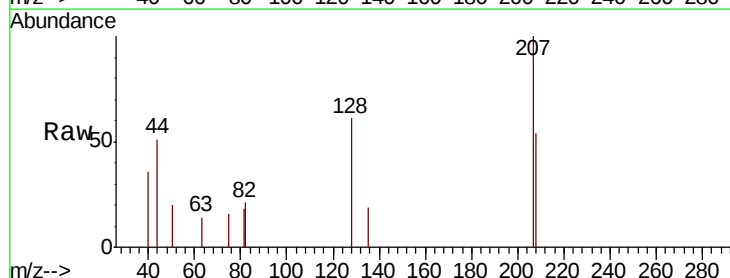
Tgt Ion: 128 Resp: 478

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

