

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012901.D
 Acq On : 11 Sep 2019 06:13
 Operator : SY/VA
 Sample : K4680-07
 Misc : 3.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-4-(1.5)

Quant Time: Sep 11 08:25:35 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	85227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	94064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	46212	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
35) Dibromofluoromethane	7.88	113	36890	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.32	98	140303	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.62	95	39240	37.89	ug/l	0.00
Spiked Amount			Recovery	=	75.78%	

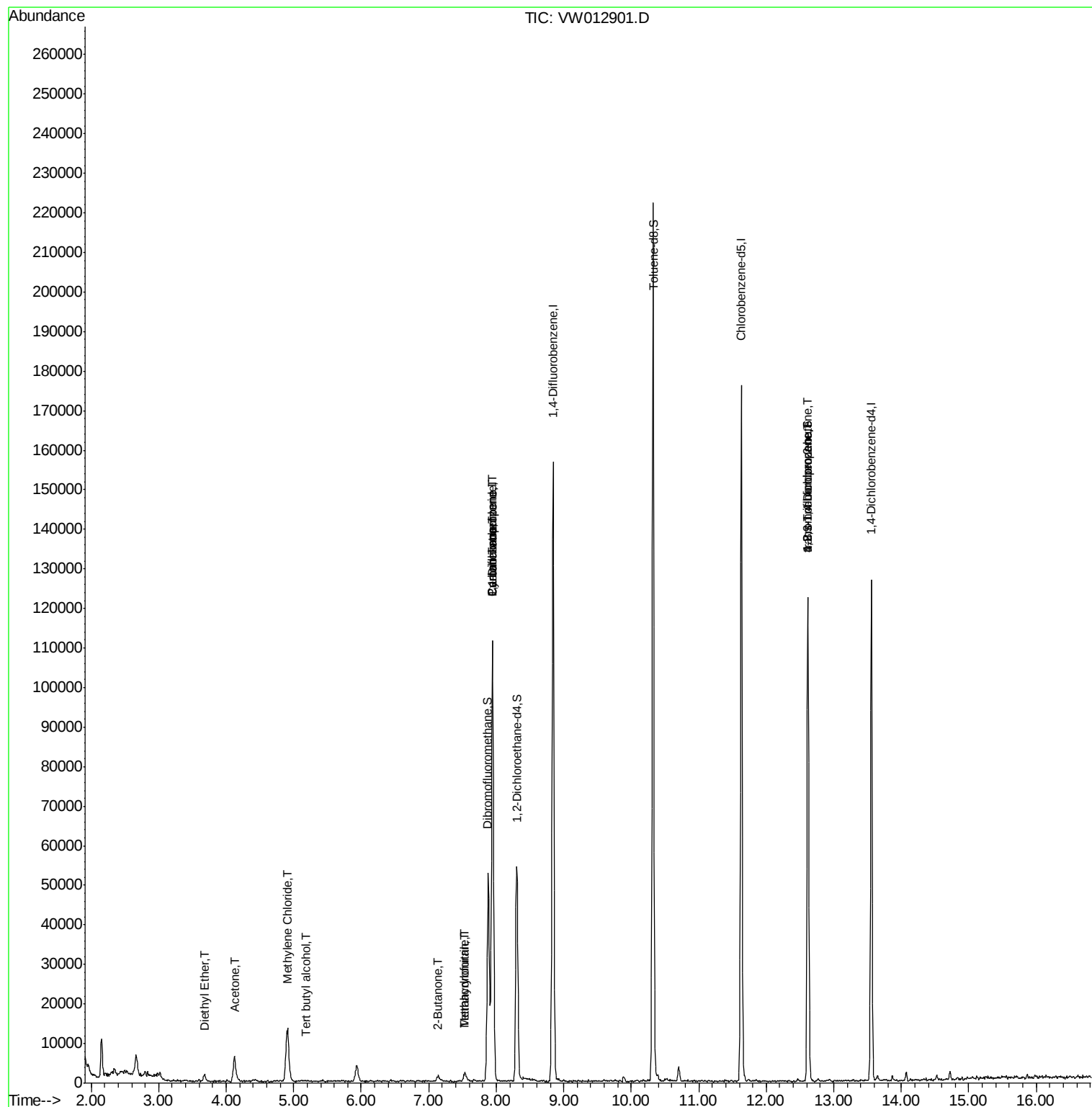
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1047	2.622	ug/l	87
11) Tert butyl alcohol	5.17	59	125	1.716	ug/l #	72
16) Acetone	4.12	43	11223	43.231	ug/l	99
20) Methylene Chloride	4.91	84	9391	11.563	ug/l	93
25) 2-Butanone	7.13	43	35	19.765	ug/l #	53
29) Tetrahydrofuran	7.54	42	2021	9.640	ug/l	92
31) Cyclohexane	7.95	56	1895	1.354	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6619	6.083	ug/l #	52
38) Carbon Tetrachloride	7.94	117	8561	7.981	ug/l #	16
41) Methacrylonitrile	7.54	41	1172	6.134	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	20321	58.941	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	20321	124.663	ug/l #	6

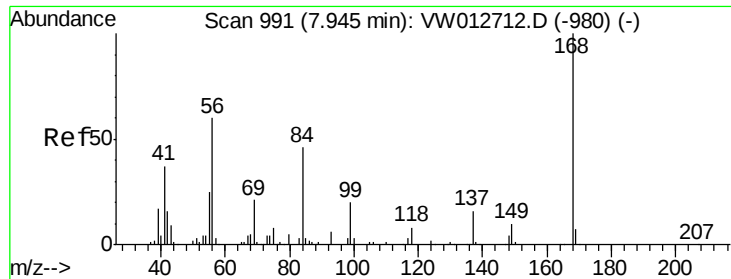
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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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: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

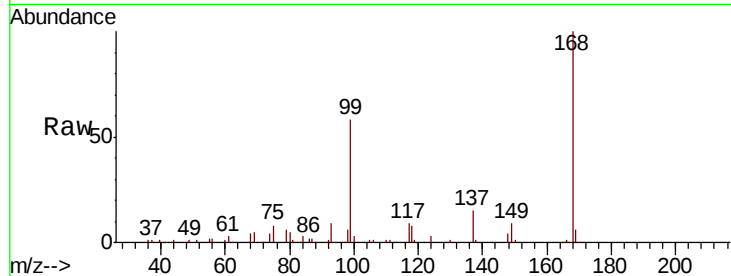
T1-4-(1.5)

Tgt Ion:168 Resp: 85227

Ion Ratio Lower Upper

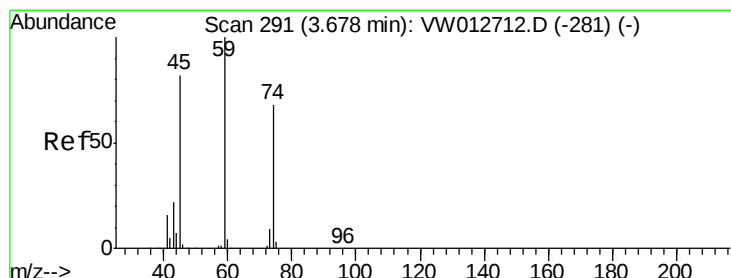
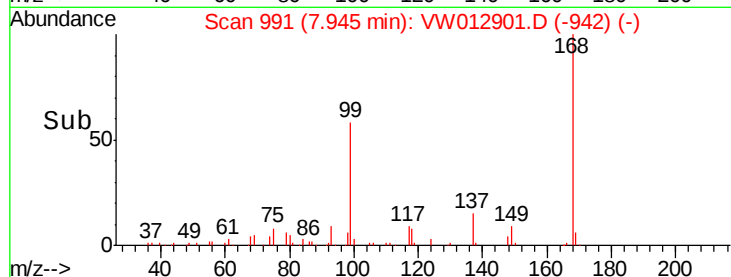
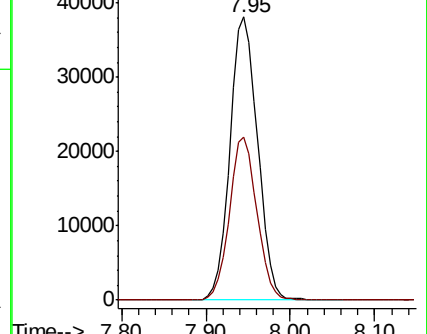
168 100

99 57.6 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: 2.622 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012901.D

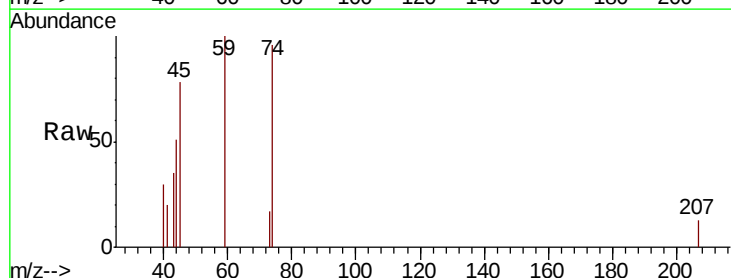
Acq: 11 Sep 2019 06:13

Tgt Ion: 74 Resp: 1047

Ion Ratio Lower Upper

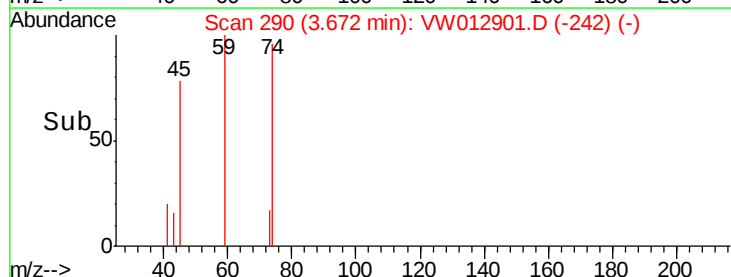
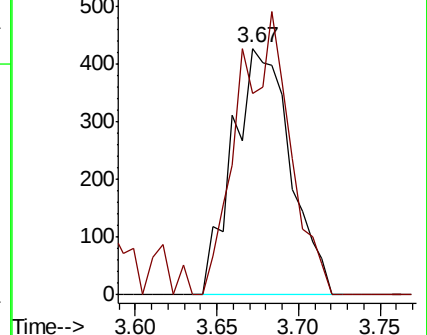
74 100

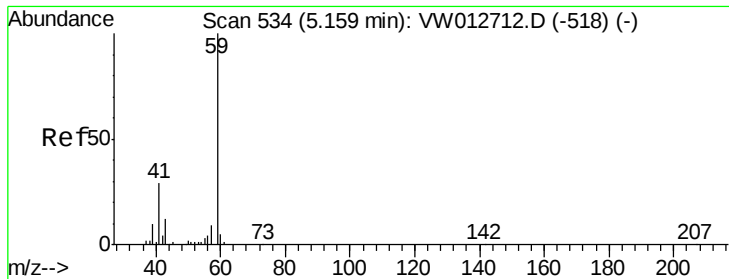
45 103.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.716 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampled :

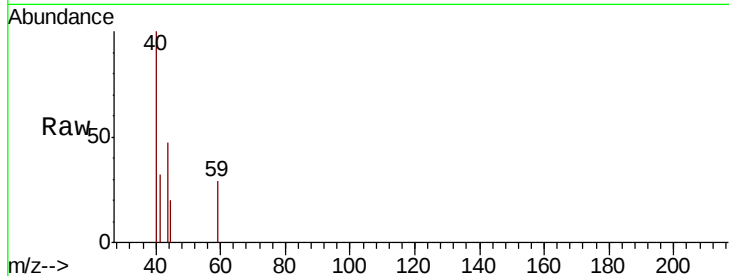
T1-4-(1.5)

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

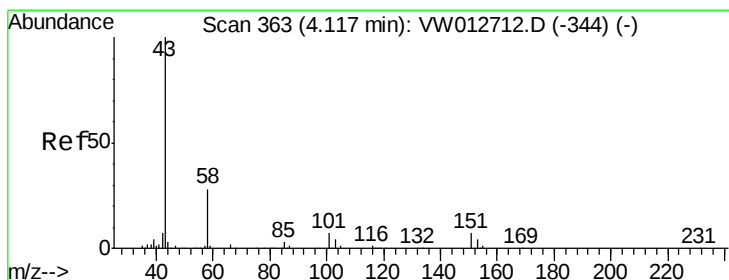
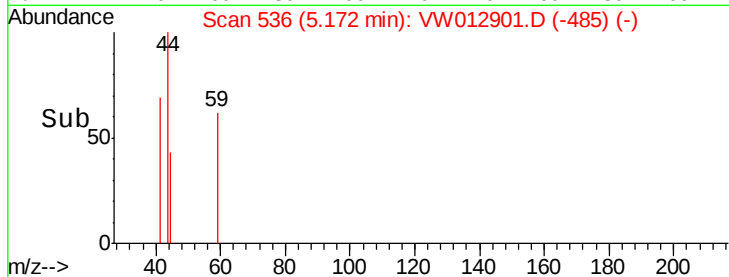
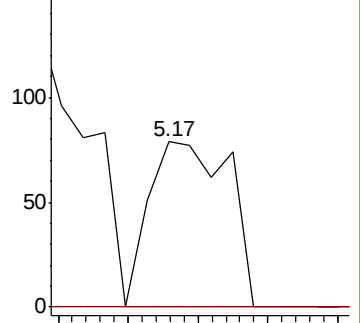
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 43.231 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012901.D

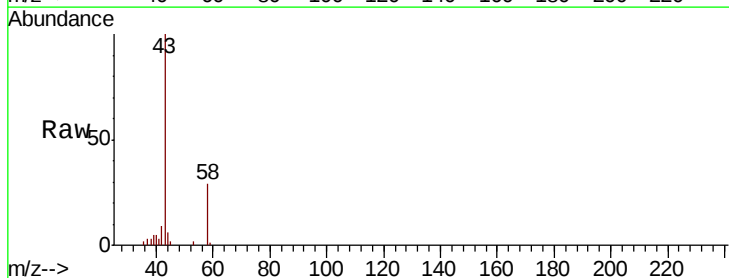
Acq: 11 Sep 2019 06:13

Tgt Ion: 43 Resp: 11223

Ion Ratio Lower Upper

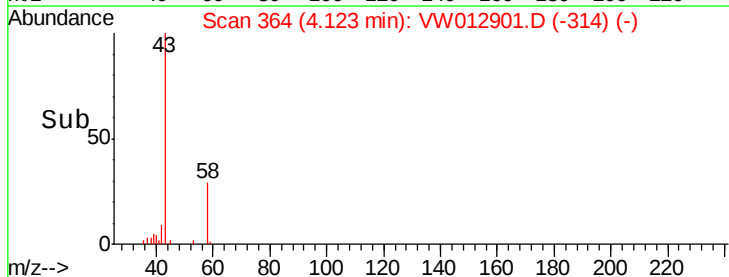
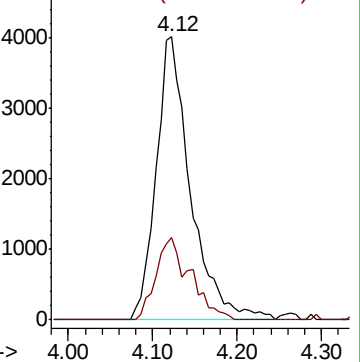
43 100

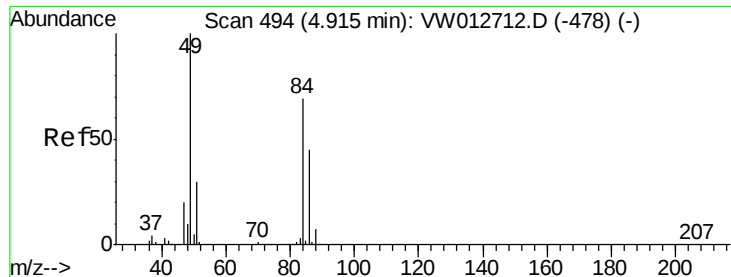
58 29.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 11.563 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

T1-4-(1.5)

Tgt Ion: 84 Resp: 9391

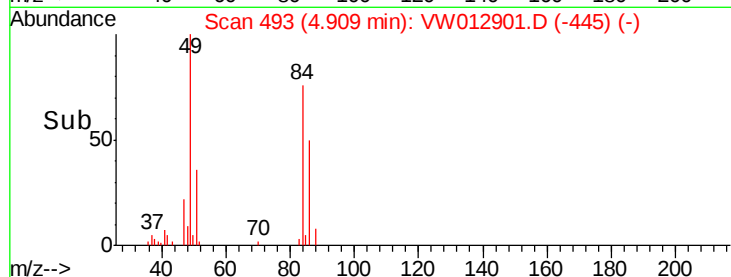
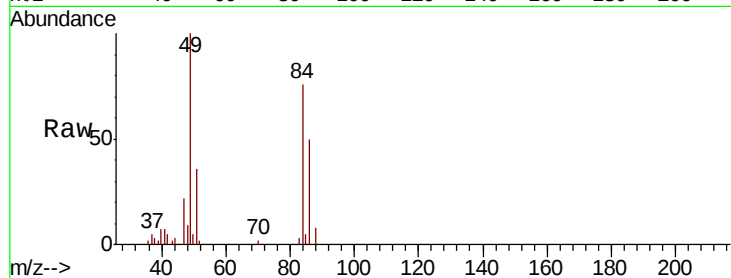
Ion Ratio Lower Upper

84 100

49 130.7 115.4 173.0

51 47.0 34.9 52.3

86 65.8 52.2 78.4



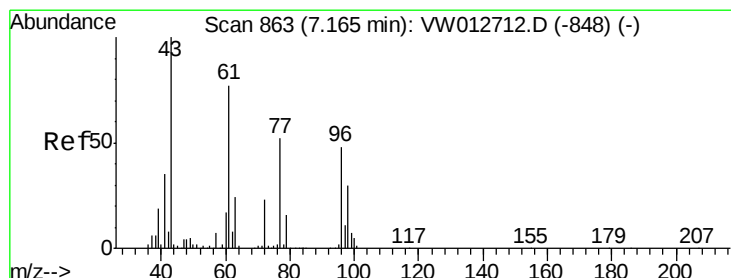
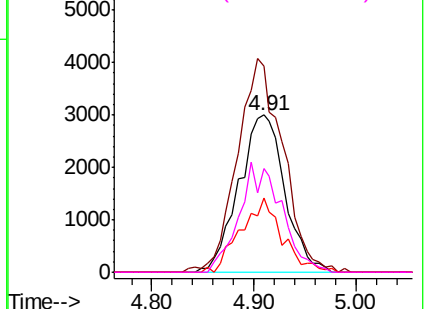
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 19.765 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012901.D

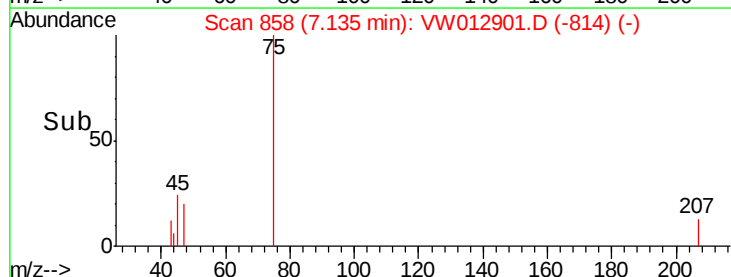
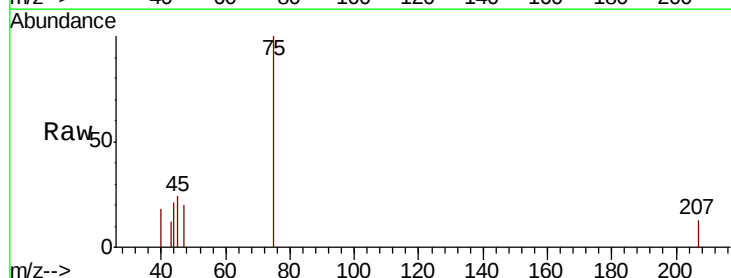
Acq: 11 Sep 2019 06:13

Tgt Ion: 43 Resp: 35

Ion Ratio Lower Upper

43 100

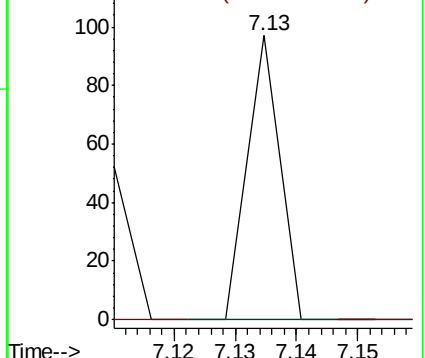
72 0.0 18.0 27.0#

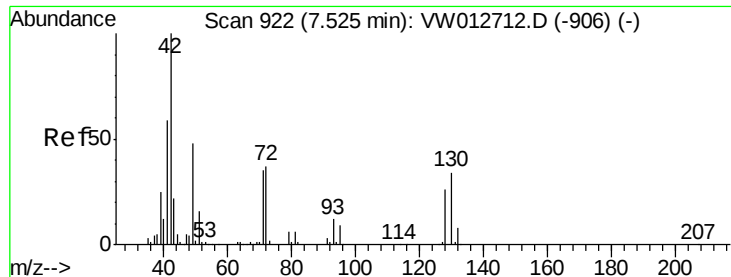


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

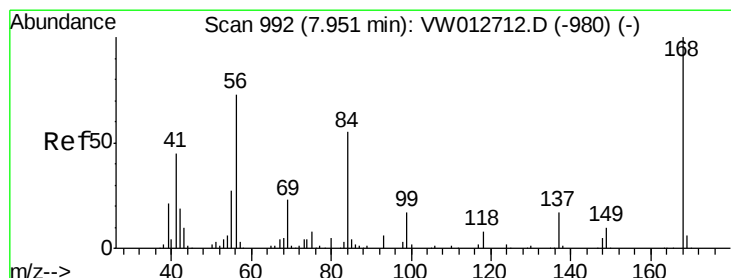
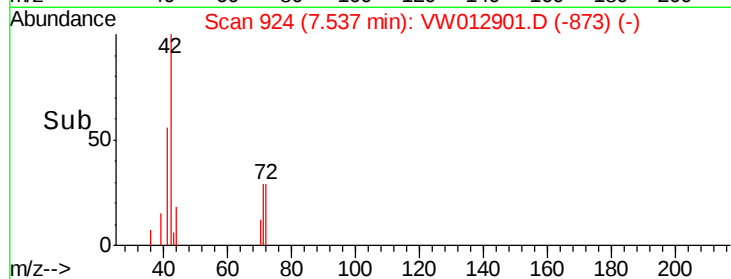
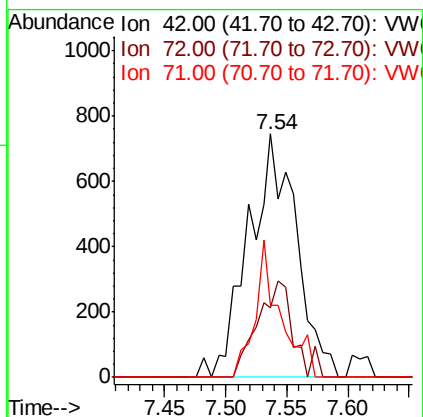
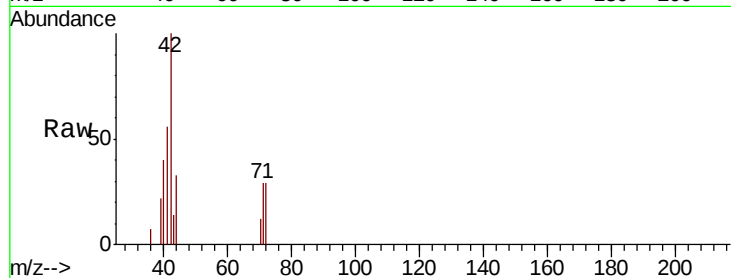




#29
Tetrahydrofuran
Concen: 9.640 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012901.D
Acq: 11 Sep 2019 06:13

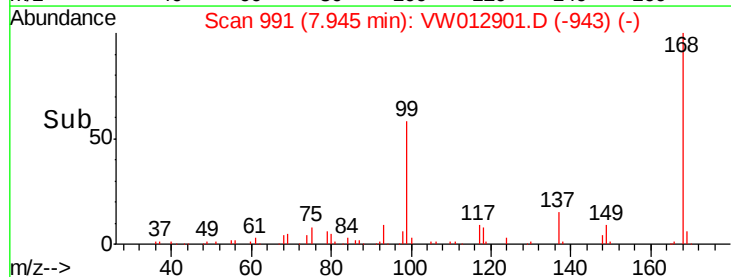
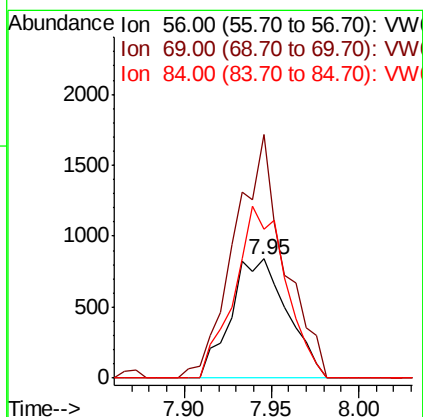
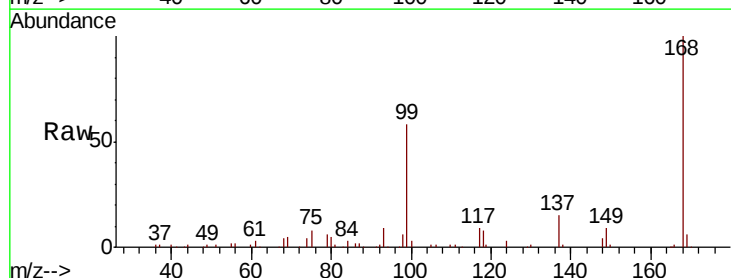
Instrument :
MSVOA_W
ClientSampleId :
T1-4-(1.5)

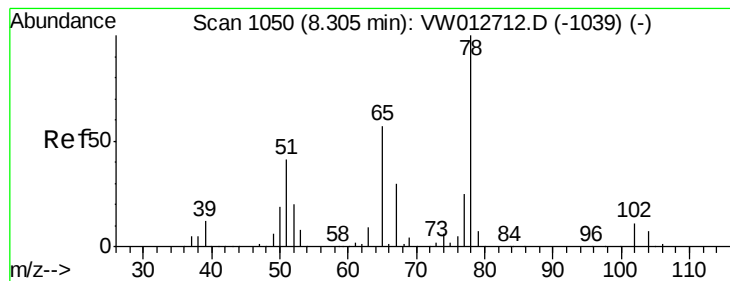
Tgt Ion: 42 Resp: 2021
Ion Ratio Lower Upper
42 100
72 29.7 28.4 42.6
71 30.4 27.1 40.7



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012901.D
Acq: 11 Sep 2019 06:13

Tgt Ion: 56 Resp: 1895
Ion Ratio Lower Upper
56 100
69 204.0 25.7 38.5#
84 125.3 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 48.528 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

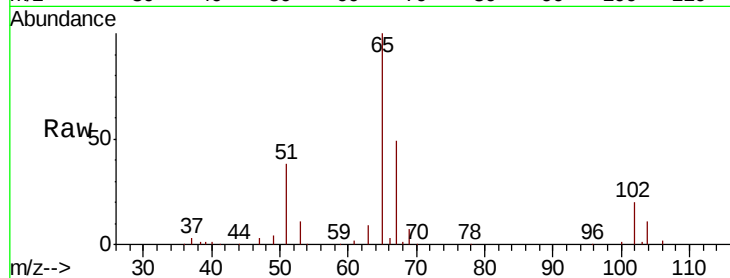
T1-4-(1.5)

Tgt Ion: 65 Resp: 46212

Ion Ratio Lower Upper

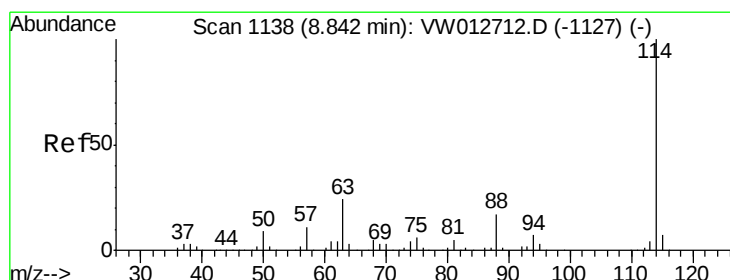
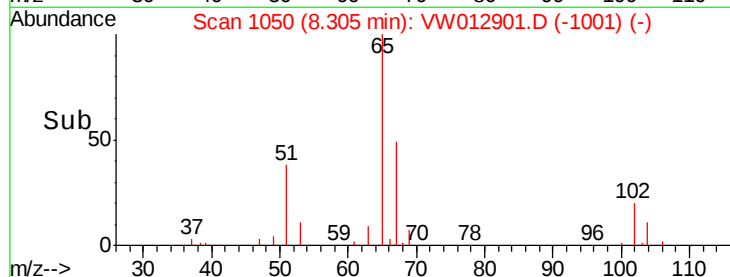
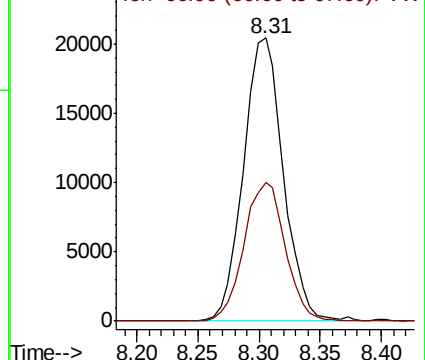
65 100

67 50.7 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: VW012901.D

Acq: 11 Sep 2019 06:13

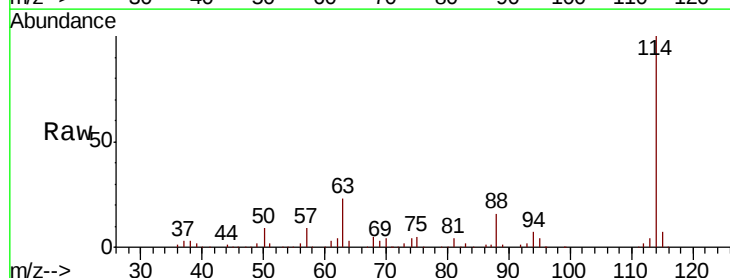
Tgt Ion: 114 Resp: 122463

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.2

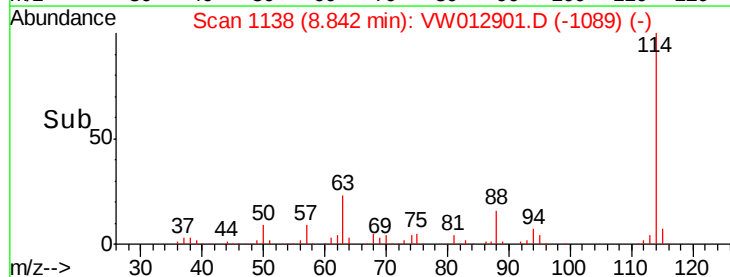
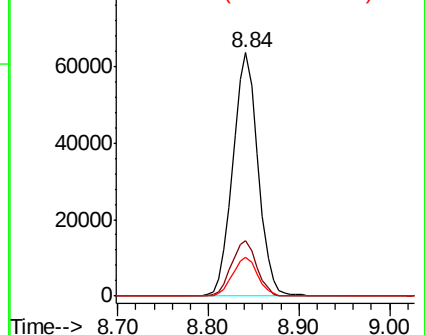
88 16.2 0.0 34.0

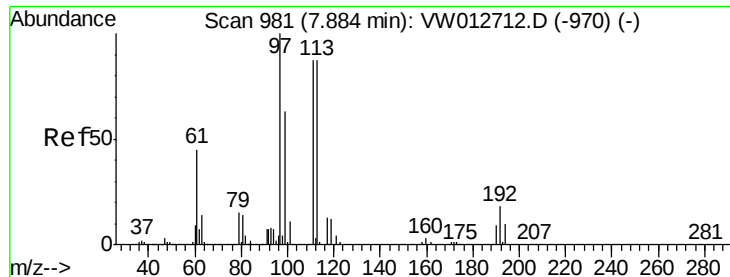


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

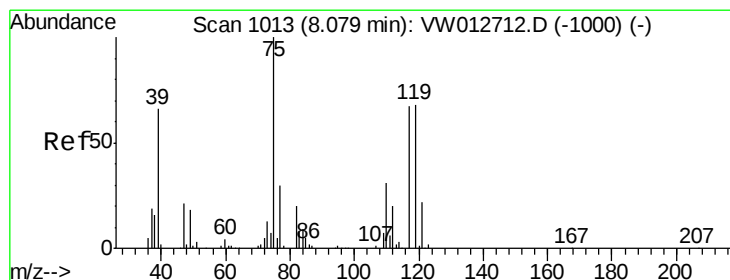
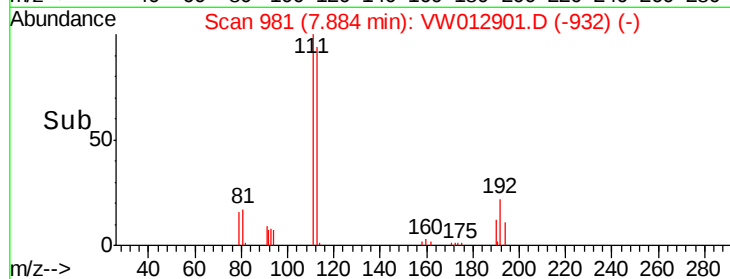
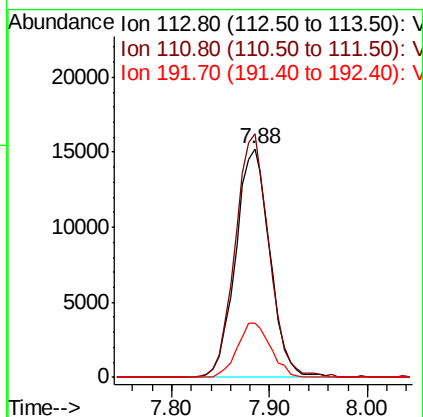
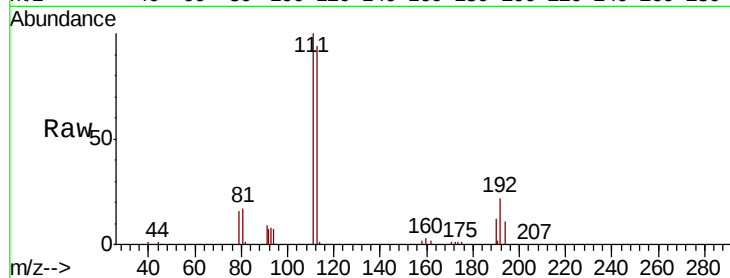




#35
 Dibromofluoromethane
 Concen: 50.668 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012901.D
 Acq: 11 Sep 2019 06:13

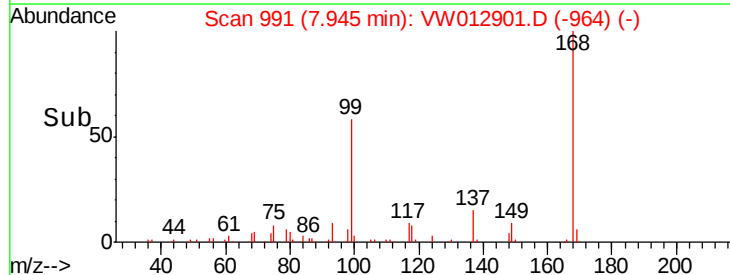
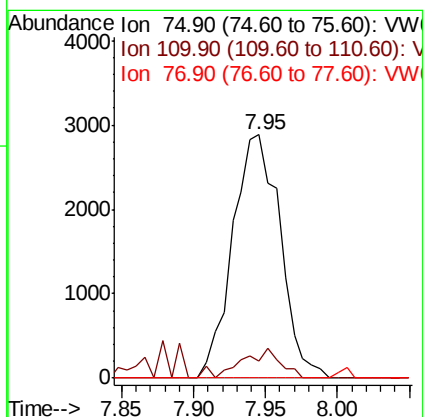
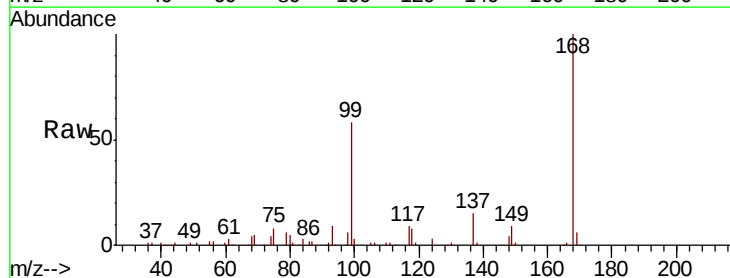
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-4-(1.5)

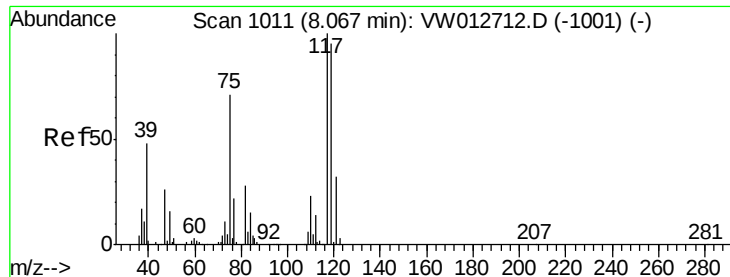
Tgt Ion:113 Resp: 36890
 Ion Ratio Lower Upper
 113 100
 111 105.7 80.2 120.4
 192 23.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 6.083 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012901.D
 Acq: 11 Sep 2019 06:13

Tgt Ion: 75 Resp: 6619
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.981 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

T1-4-(1.5)

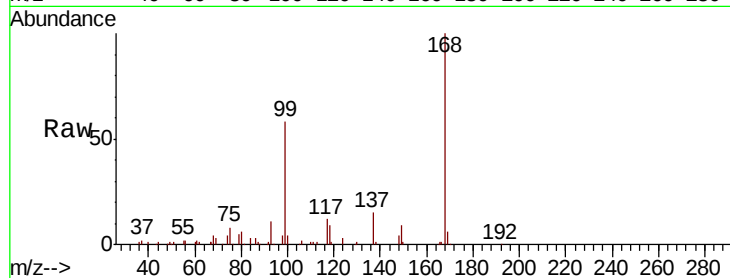
Tgt Ion:117 Resp: 8561

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

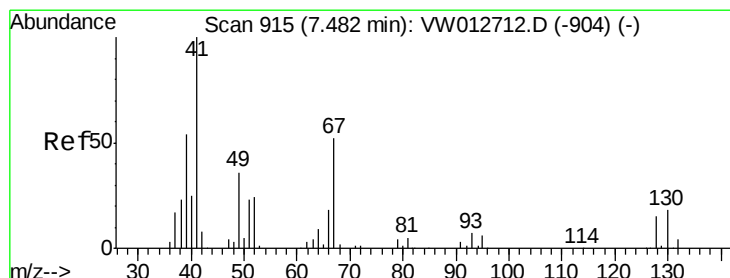
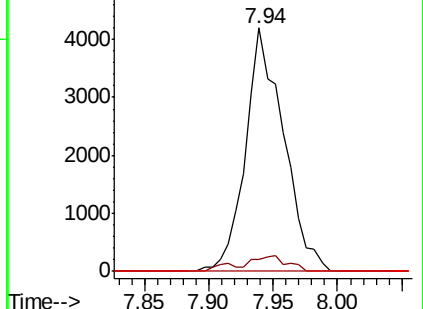
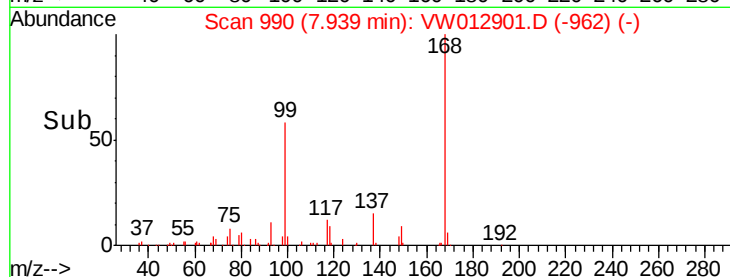
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 6.134 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Tgt Ion: 41 Resp: 1172

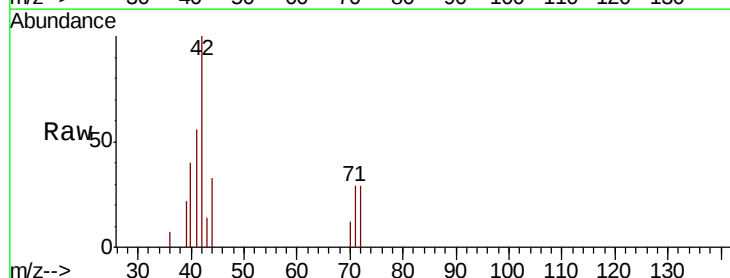
Ion Ratio Lower Upper

41 100

39 38.9 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

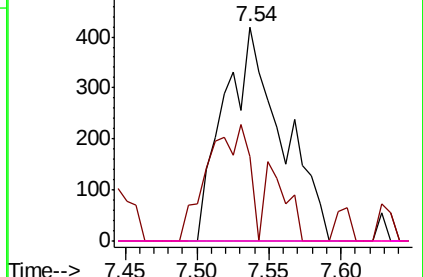
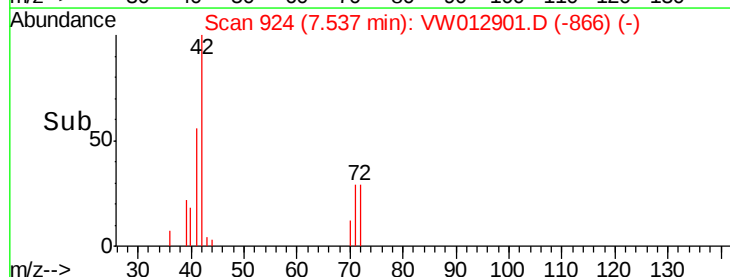


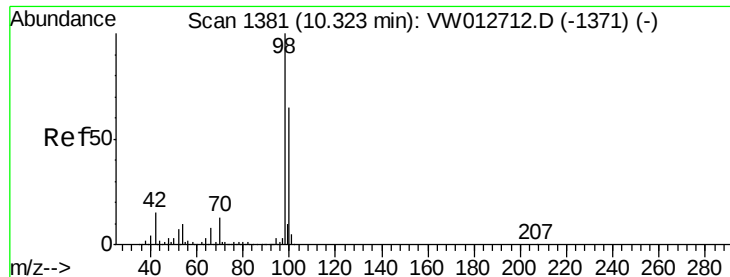
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.187 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

Instrument :

MSVOA_W

ClientSampleId :

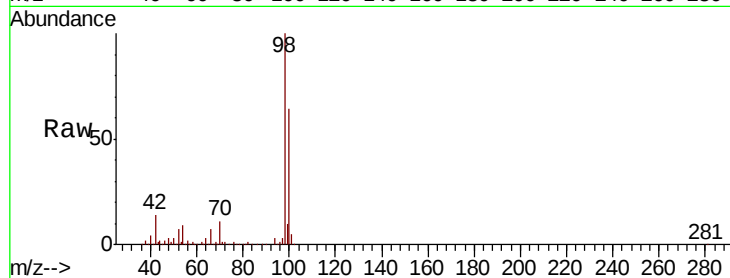
T1-4-(1.5)

Tgt Ion: 98 Resp: 140303

Ion Ratio Lower Upper

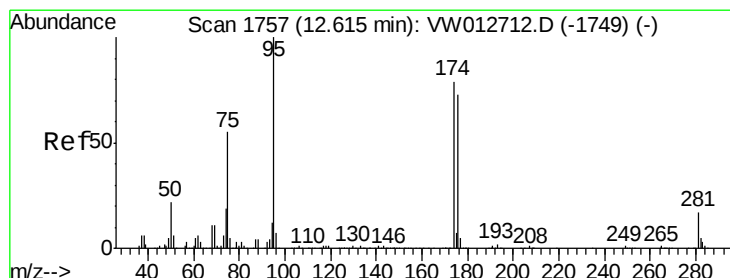
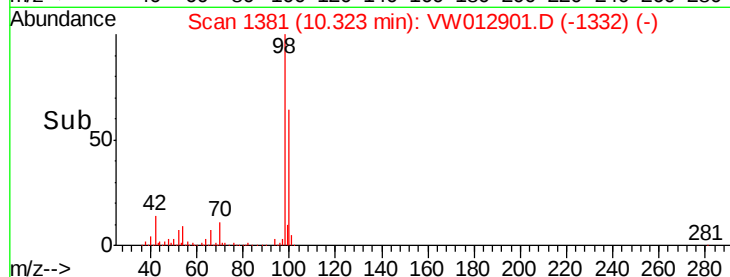
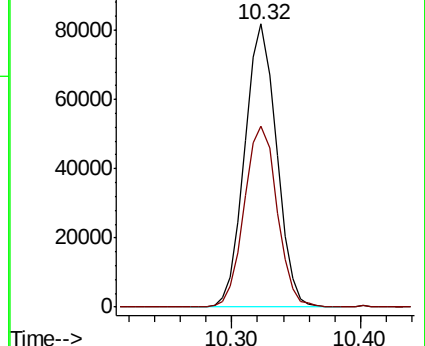
98 100

100 65.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 37.894 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012901.D

Acq: 11 Sep 2019 06:13

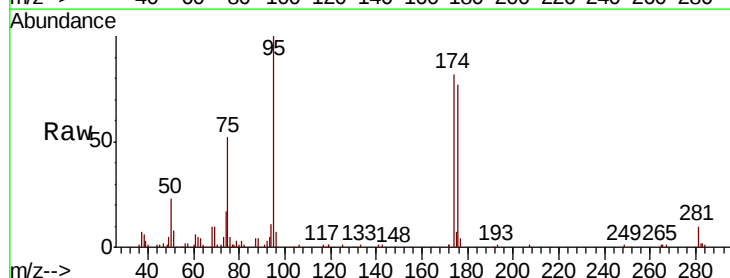
Tgt Ion: 95 Resp: 39240

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.0

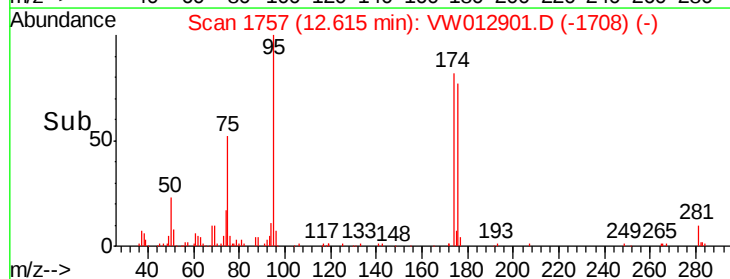
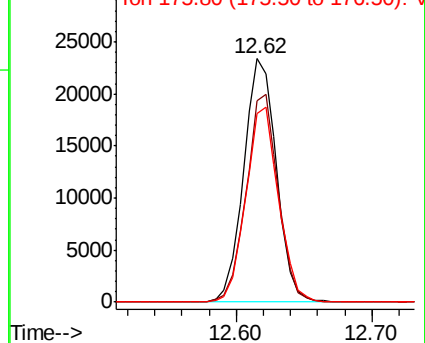
176 80.0 0.0 156.4

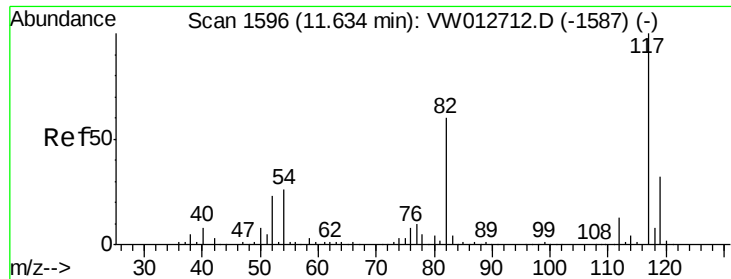


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

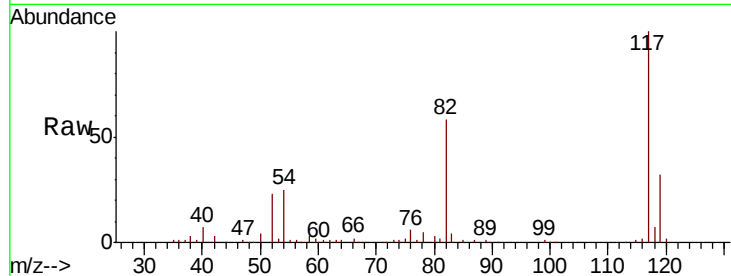




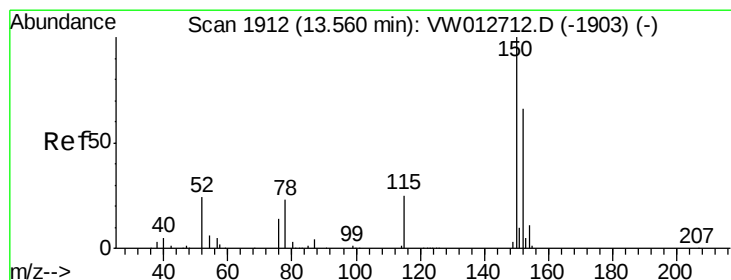
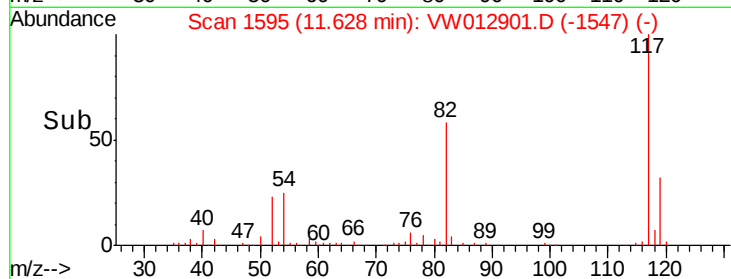
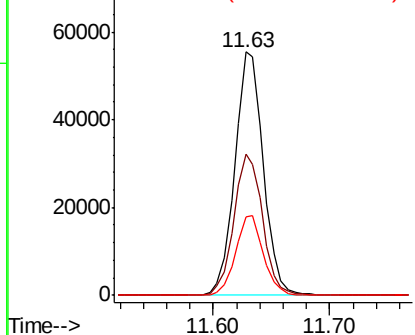
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012901.D
Acq: 11 Sep 2019 06:13

Instrument :
MSVOA_W
ClientSampleId :
T1-4-(1.5)

Tgt Ion:117 Resp: 94064
Ion Ratio Lower Upper
117 100
82 57.9 48.2 72.4
119 32.1 25.8 38.6

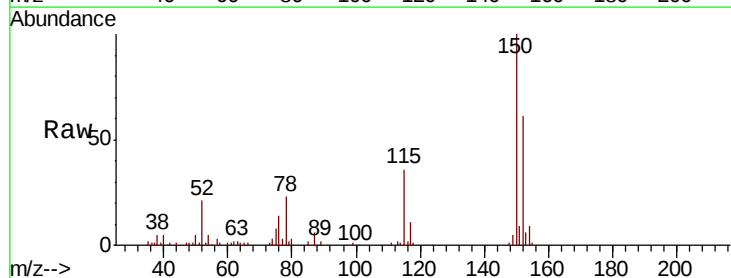


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

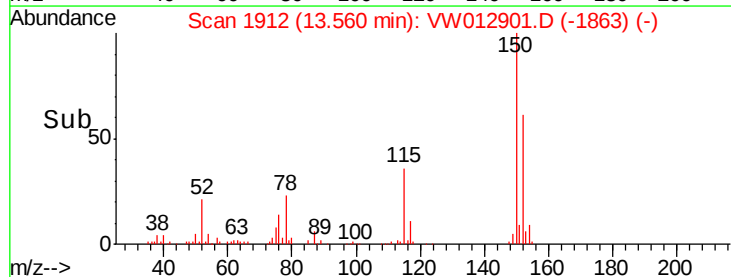
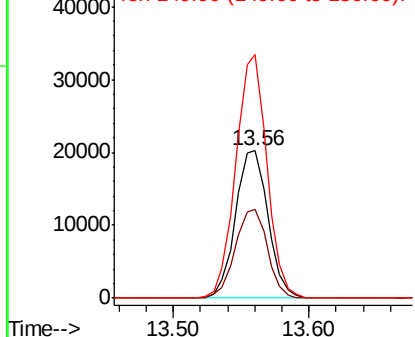


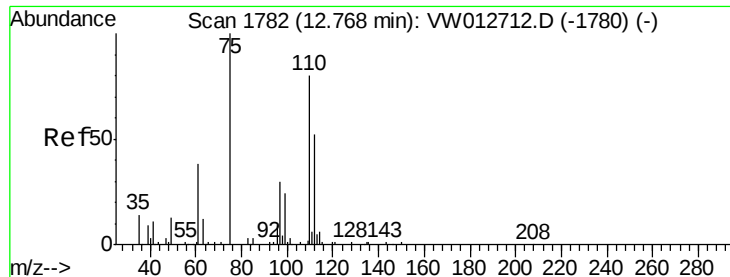
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012901.D
Acq: 11 Sep 2019 06:13

Tgt Ion:152 Resp: 33717
Ion Ratio Lower Upper
152 100
115 59.4 30.0 90.1
150 158.1 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

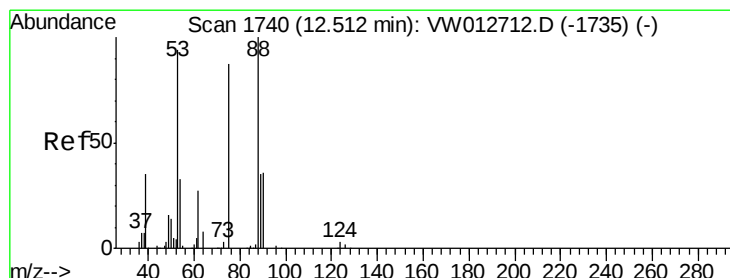
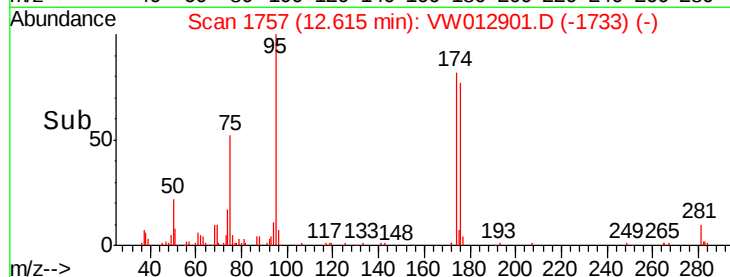
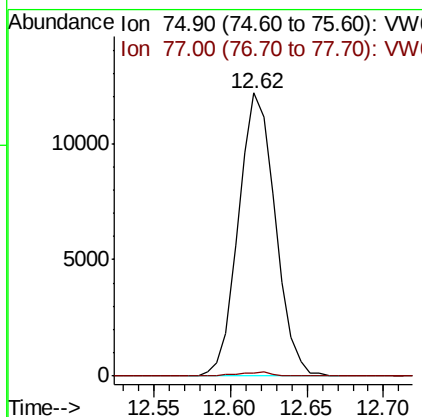
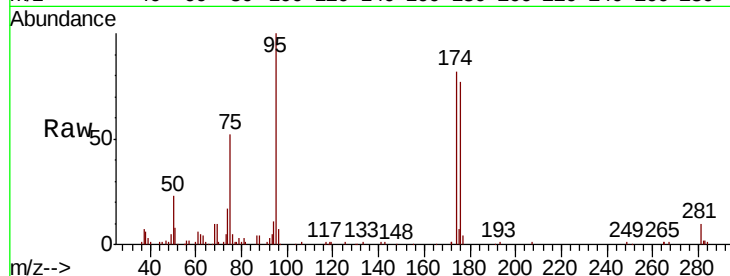




#76
 1,2,3-Trichloropropane
 Concen: 58.941 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012901.D
 Acq: 11 Sep 2019 06:13

Instrument :
 MSVOA_W
 ClientSampled :
 T1-4-(1.5)

Tgt Ion: 75 Resp: 20321
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.663 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012901.D
 Acq: 11 Sep 2019 06:13

Tgt Ion: 75 Resp: 20321
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#

