

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012040.D
 Acq On : 20 Aug 2019 20:04
 Operator : SY/VA
 Sample : K4387-02
 Misc : 5.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(2)

Quant Time: Aug 21 01:36:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111576	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	148667	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	7.88	113	118481	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
50) Toluene-d8	10.32	98	472050	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.62	95	142018	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	

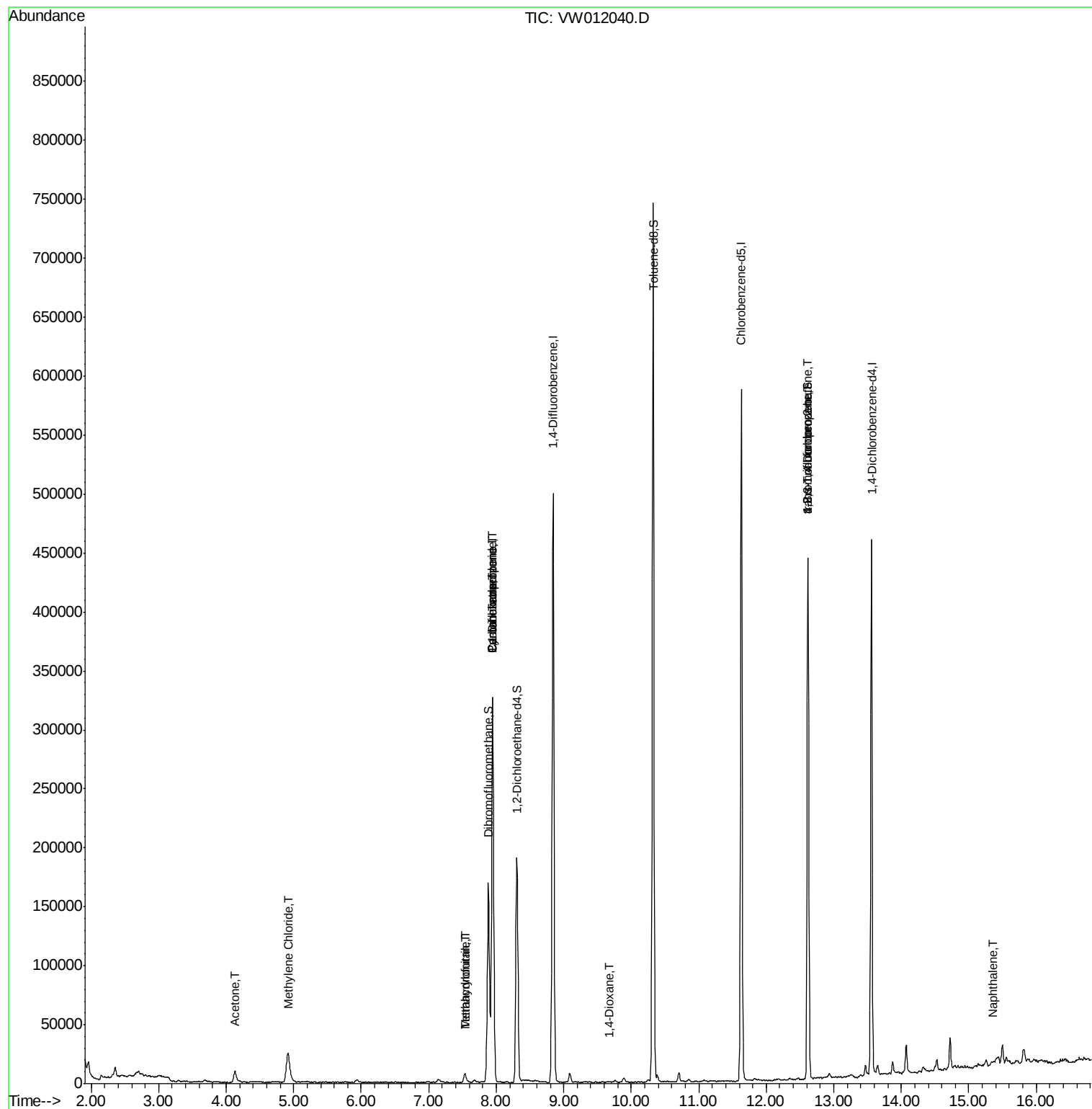
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	517	Below Cal		97
16) Acetone	4.14	43	17895	20.674	ug/l	96
20) Methylene Chloride	4.91	84	20324	6.808	ug/l	92
29) Tetrahydrofuran	7.53	42	6783	10.477	ug/l	99
31) Cyclohexane	7.95	56	5836	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19983	4.903	ug/l #	53
38) Carbon Tetrachloride	7.95	117	23745	6.806	ug/l #	18
41) Methacrylonitrile	7.54	41	4283	3.056	ug/l #	53
49) 1,4-Dioxane	9.68	88	22	1.090	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75606	64.040	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75606	147.590	ug/l #	6
95) Naphthalene	15.36	128	1970	2.495	ug/l #	88

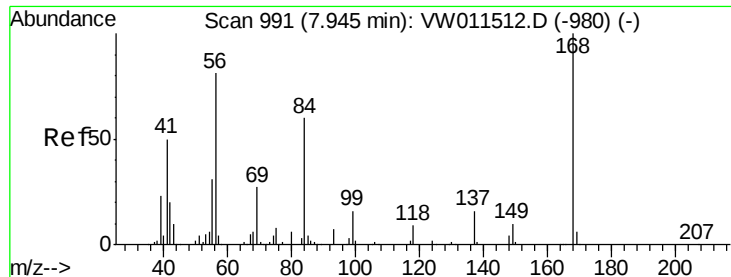
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012040.D

Acq: 20 Aug 2019 20:04

Instrument :

MSVOA_W

ClientSampled :

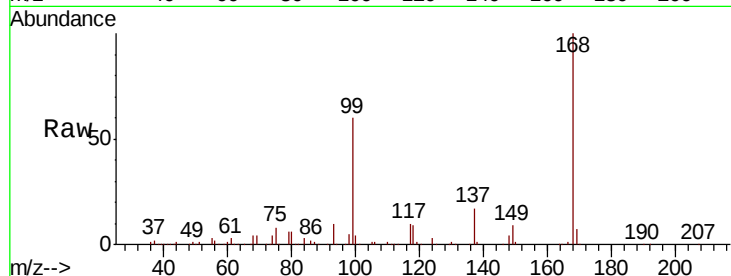
T6-B-(2)

Tgt Ion:168 Resp: 236978

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

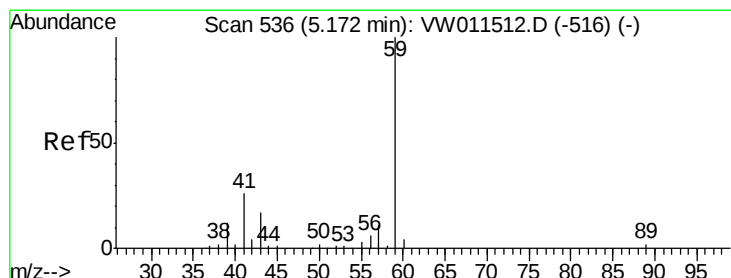
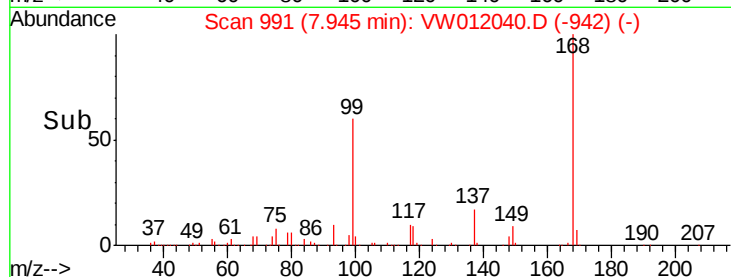
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012040.D

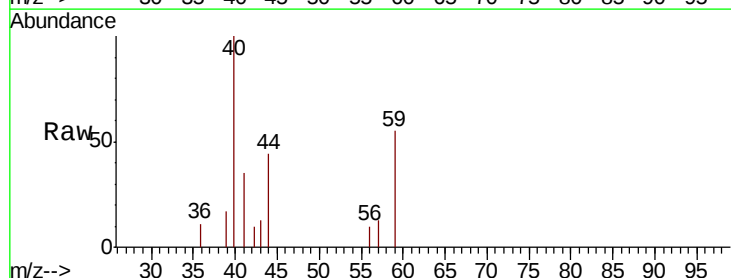
Acq: 20 Aug 2019 20:04

Tgt Ion: 59 Resp: 517

Ion Ratio Lower Upper

59 100

57 9.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

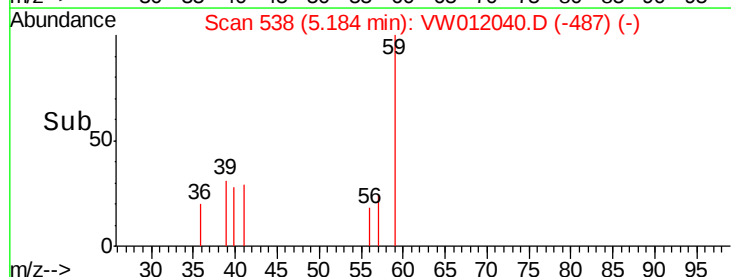
300

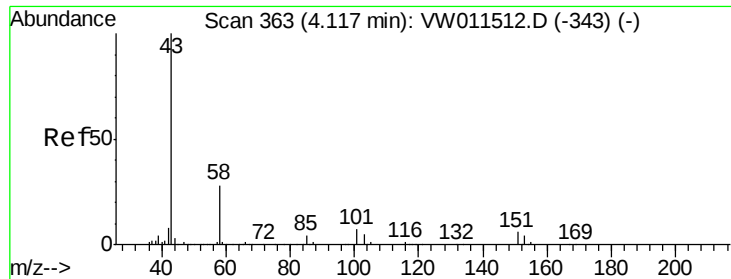
200

100

0

Time--> 5.15 5.20

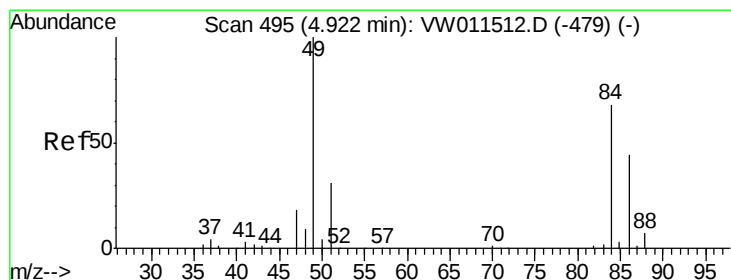
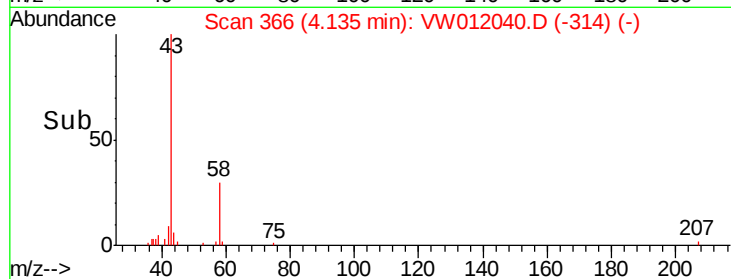
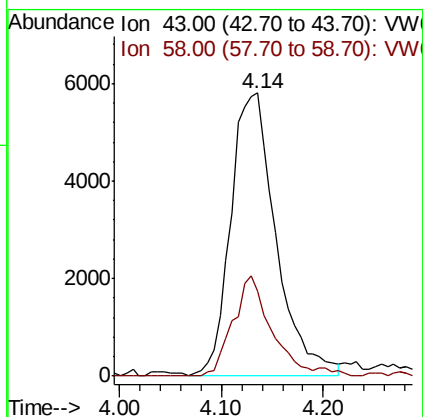
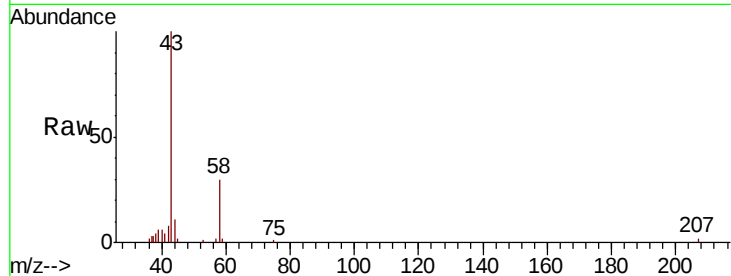




#16
Acetone
Concen: 20.674 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

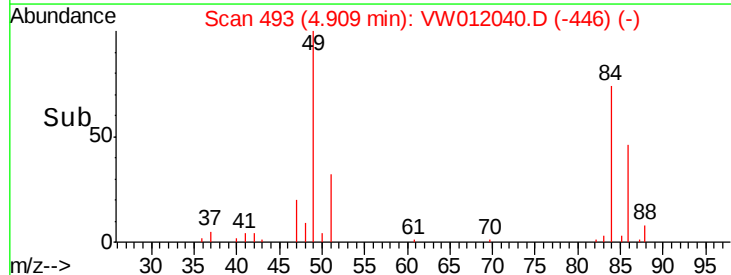
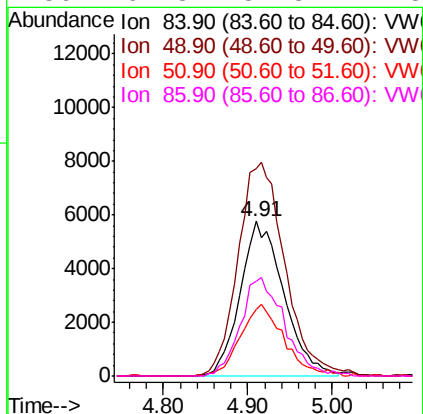
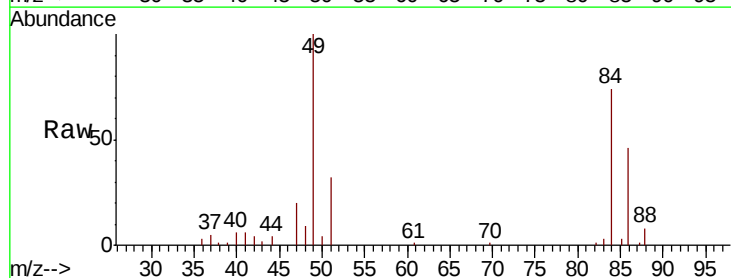
Instrument :
MSVOA_W
ClientSampleId :
T6-B-(2)

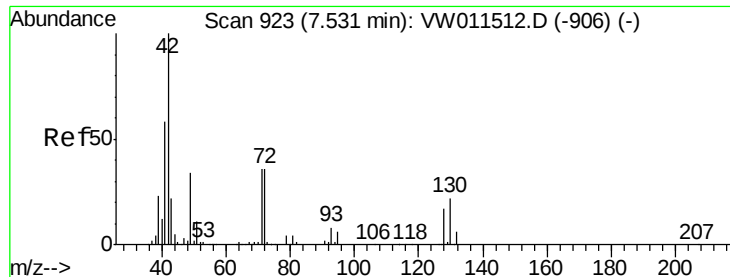
Tgt Ion: 43 Resp: 17895
Ion Ratio Lower Upper
43 100
58 30.0 22.3 33.5



#20
Methylene Chloride
Concen: 6.808 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

Tgt Ion: 84 Resp: 20324
Ion Ratio Lower Upper
84 100
49 134.4 117.8 176.6
51 43.3 37.0 55.4
86 61.3 51.8 77.8

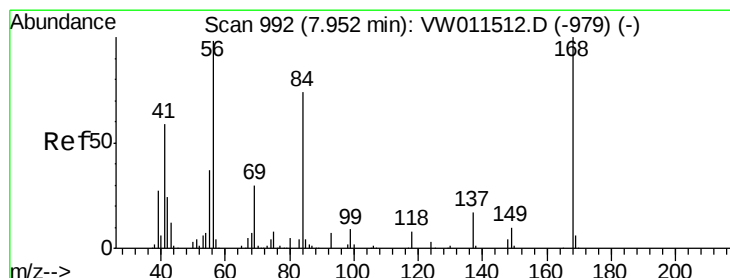
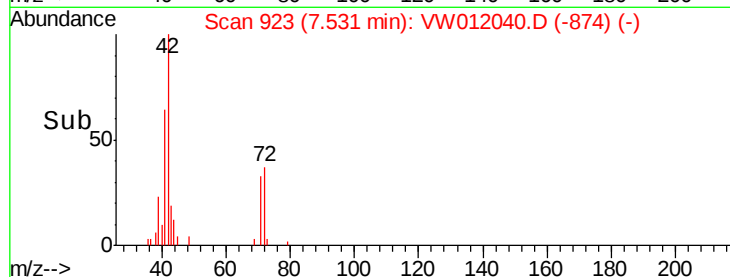
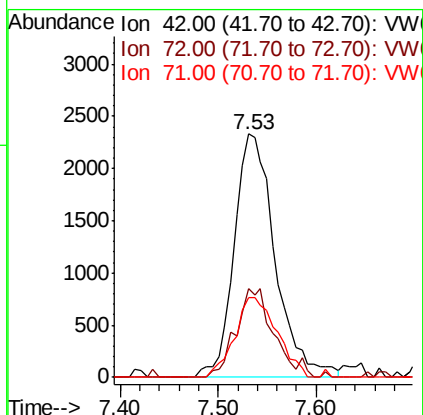
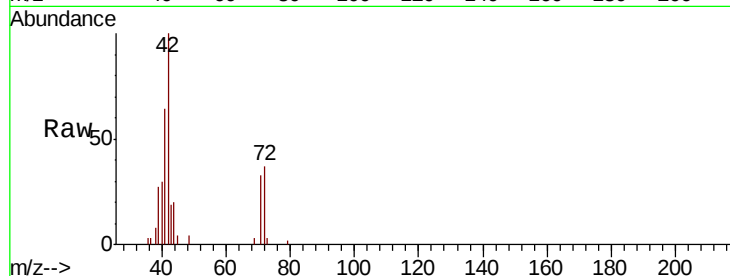




#29
Tetrahydrofuran
Concen: 10.477 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

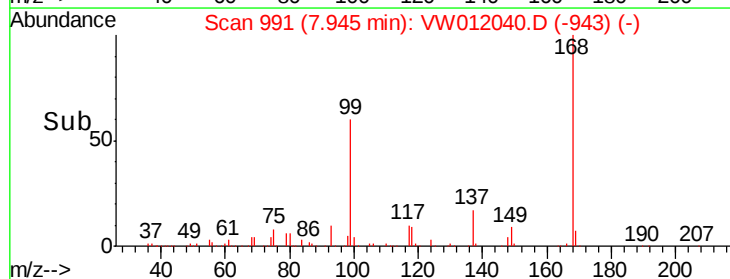
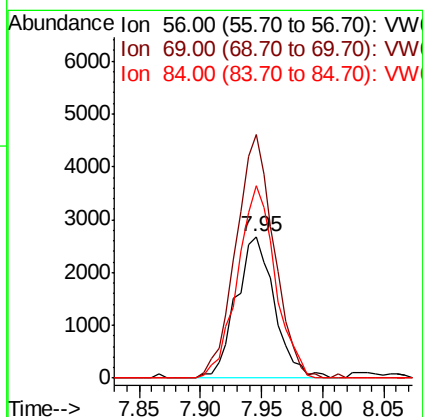
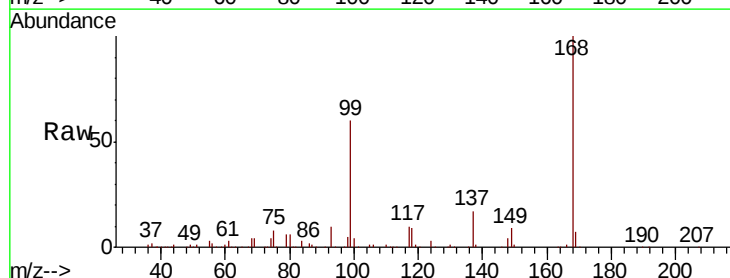
Instrument :
MSVOA_W
ClientSampleId :
T6-B-(2)

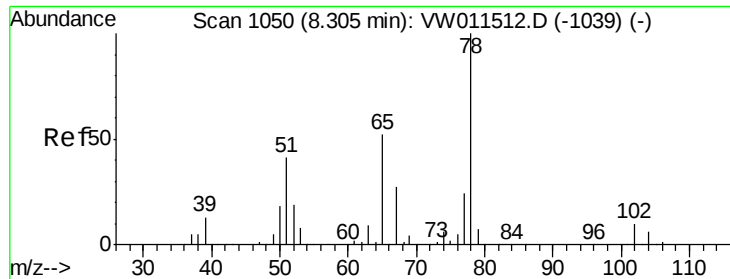
Tgt Ion: 42 Resp: 6783
Ion Ratio Lower Upper
42 100
72 33.8 27.1 40.7
71 33.9 26.2 39.4



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

Tgt Ion: 56 Resp: 5836
Ion Ratio Lower Upper
56 100
69 171.8 24.3 36.5#
84 135.9 60.4 90.6#

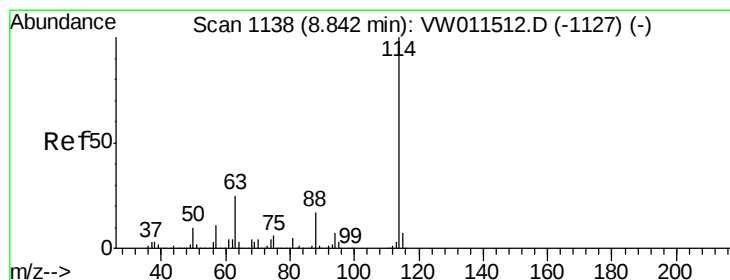
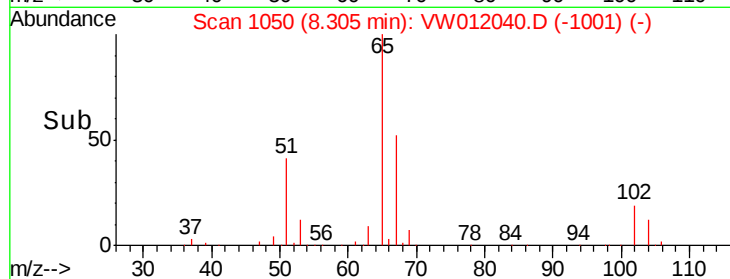
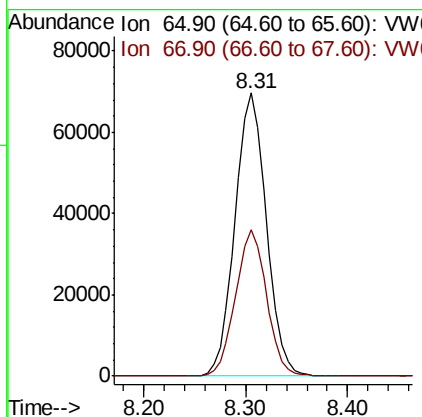
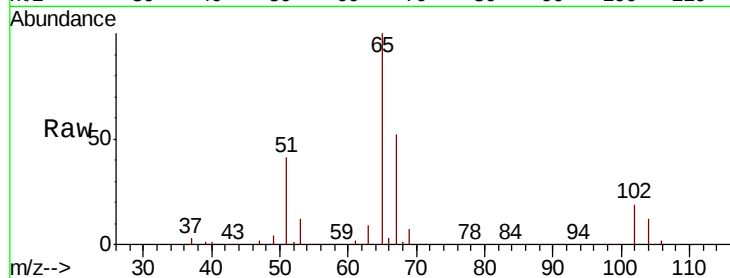




#33
 1,2-Dichloroethane-d4
 Concen: 54.634 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012040.D
 Acq: 20 Aug 2019 20:04

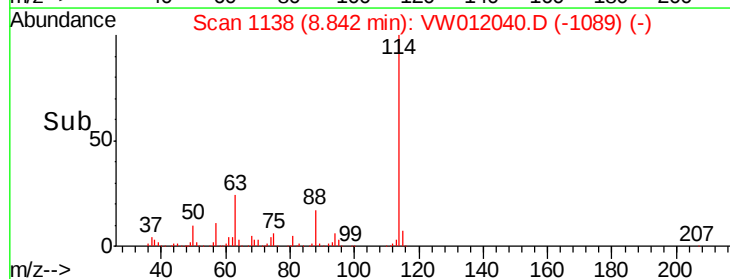
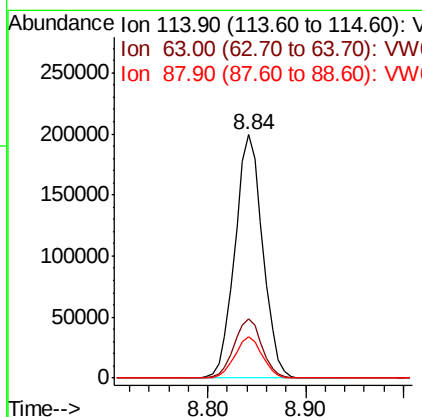
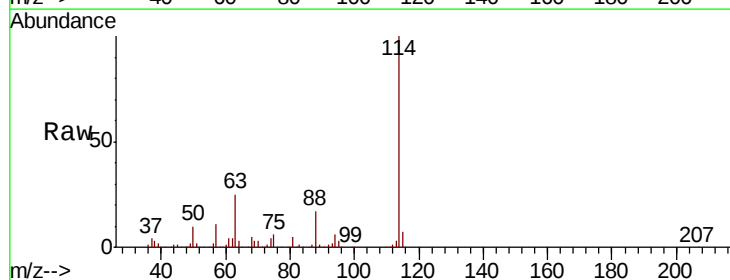
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(2)

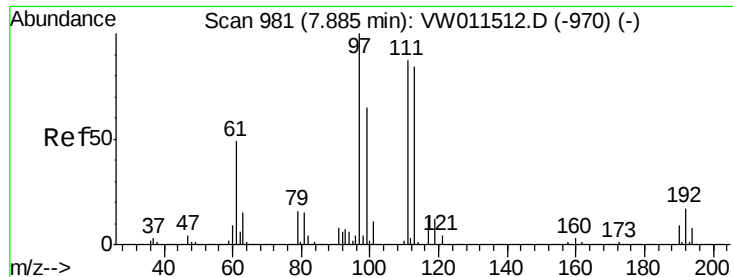
Tgt Ion: 65 Resp: 148667
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012040.D
 Acq: 20 Aug 2019 20:04

Tgt Ion: 114 Resp: 391952
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.0 0.0 33.8

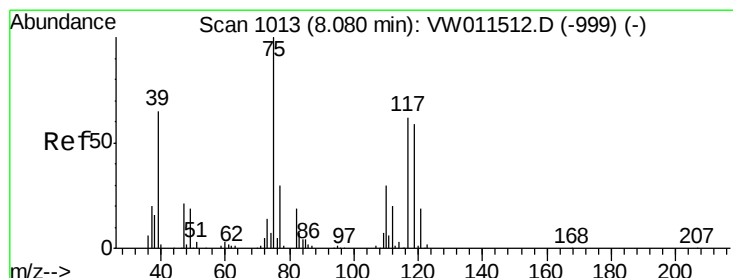
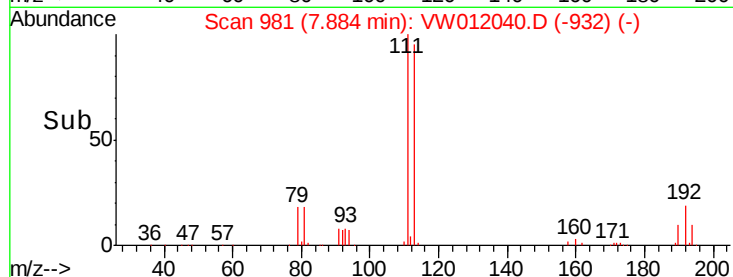
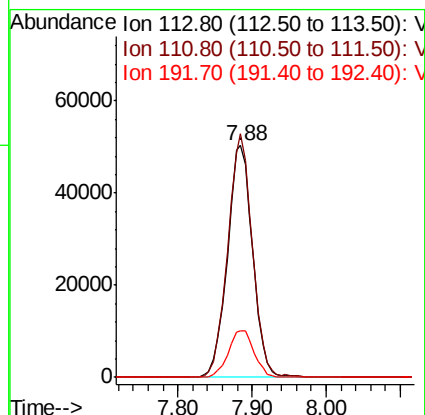
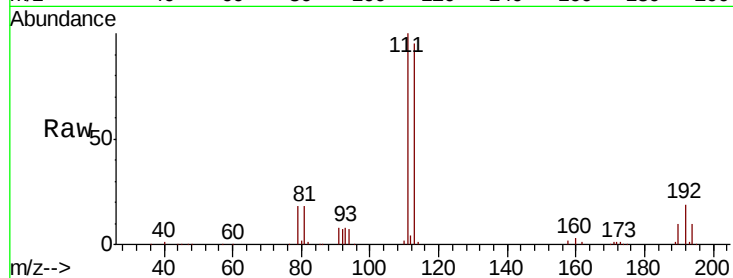




#35
 Dibromofluoromethane
 Concen: 53.881 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012040.D
 Acq: 20 Aug 2019 20:04

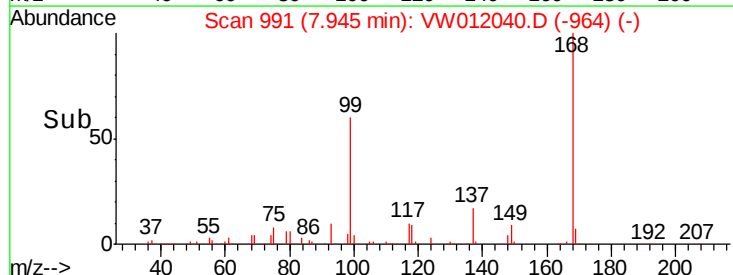
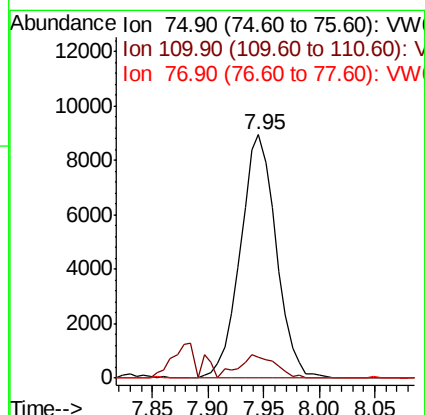
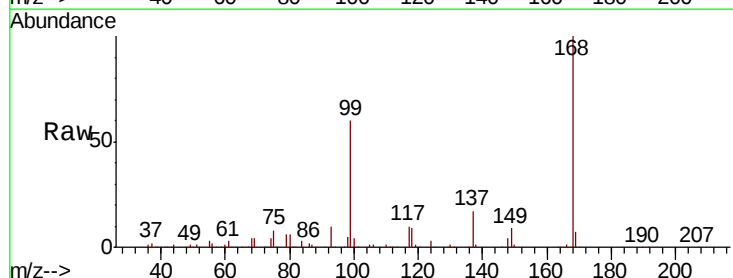
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(2)

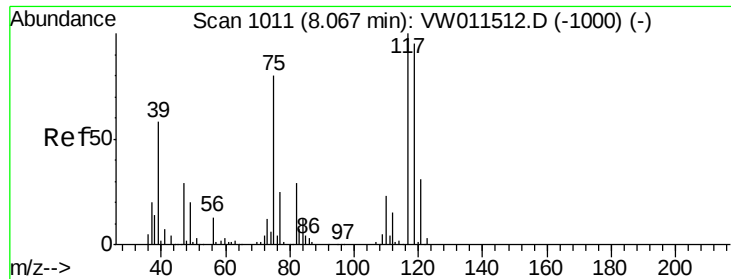
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.7	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012040.D
 Acq: 20 Aug 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012040.D

Acq: 20 Aug 2019 20:04

Instrument :

MSVOA_W

ClientSampleId :

T6-B-(2)

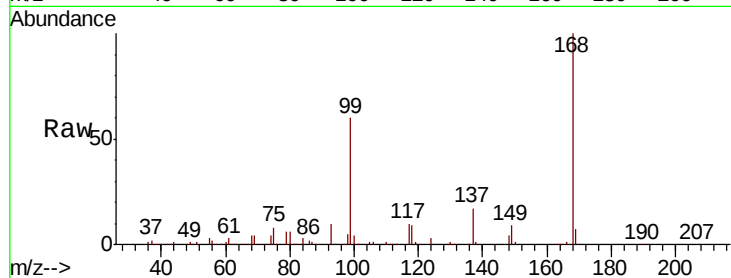
Tgt Ion:117 Resp: 23745

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

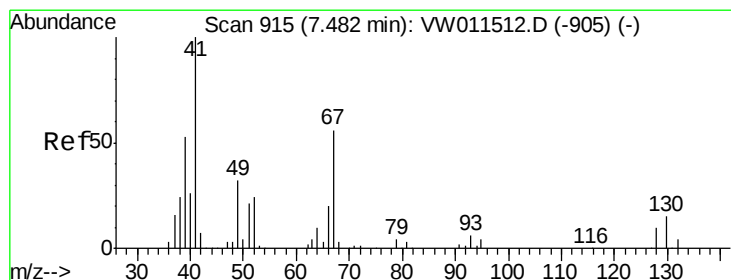
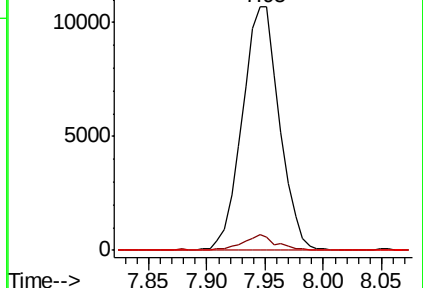
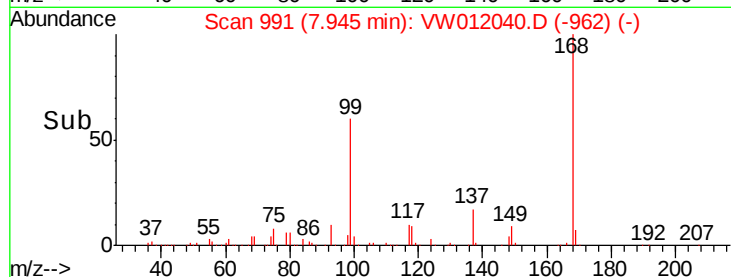
121 0.0 24.7 37.1#



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: 3.056 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012040.D

Acq: 20 Aug 2019 20:04

Tgt Ion: 41 Resp: 4283

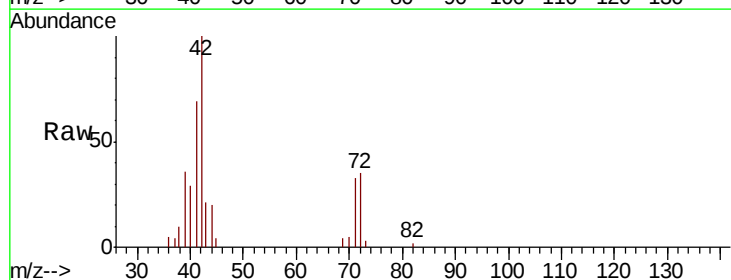
Ion Ratio Lower Upper

41 100

39 46.4 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

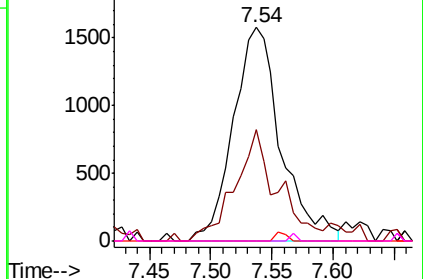
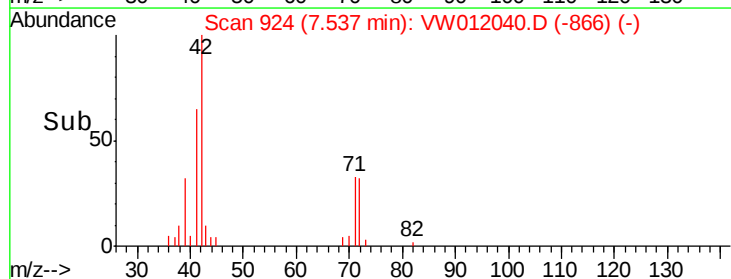


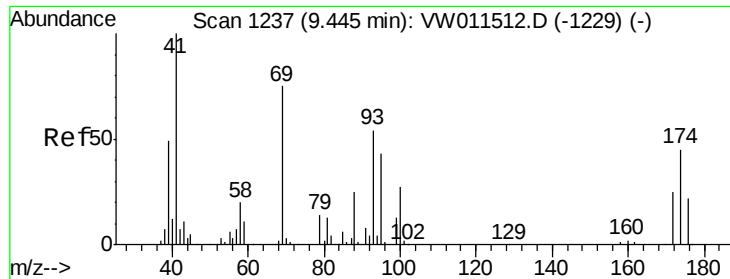
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 1.090 ug/l

RT: 9.68 min Scan# 1276

Delta R.T. 0.24 min

Lab File: VW012040.D

Acq: 20 Aug 2019 20:04

Instrument :

MSVOA_W

ClientSampleId :

T6-B-(2)

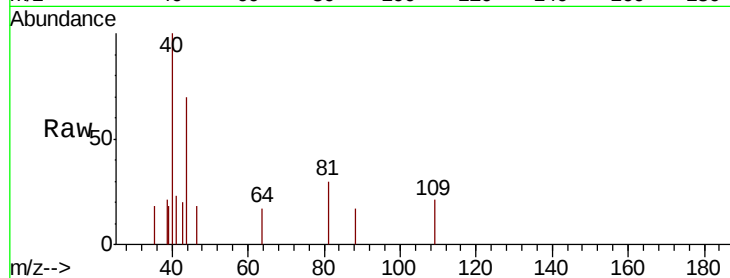
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 531.8 34.0 51.0#

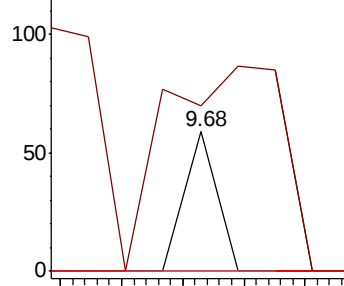
58 0.0 69.7 104.5#



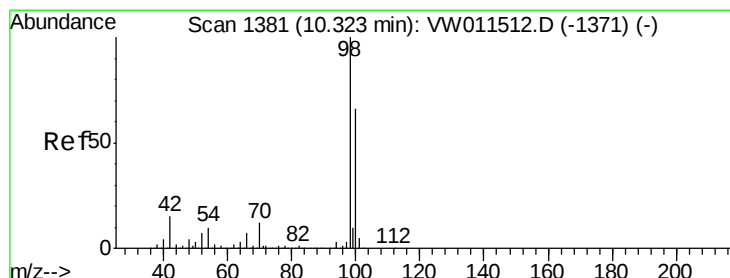
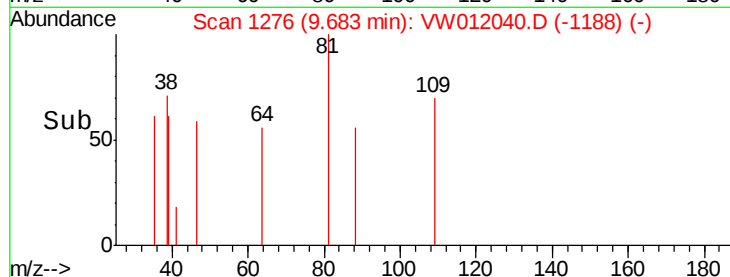
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 52.432 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012040.D

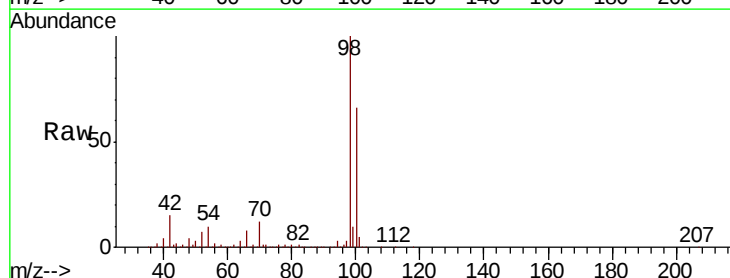
Acq: 20 Aug 2019 20:04

Tgt Ion: 98 Resp: 472050

Ion Ratio Lower Upper

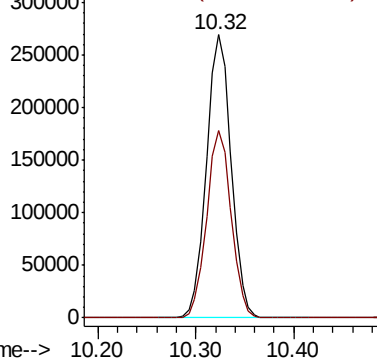
98 100

100 65.8 52.7 79.1

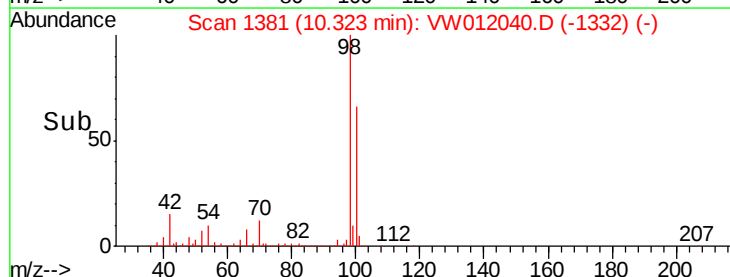


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->

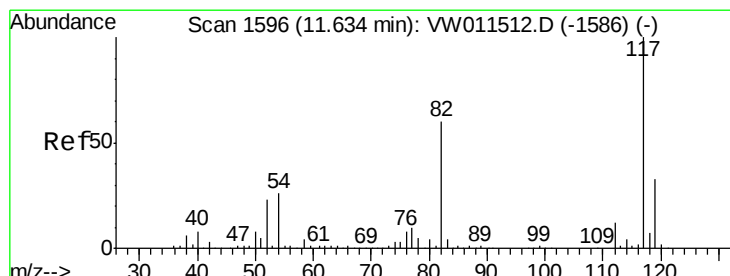
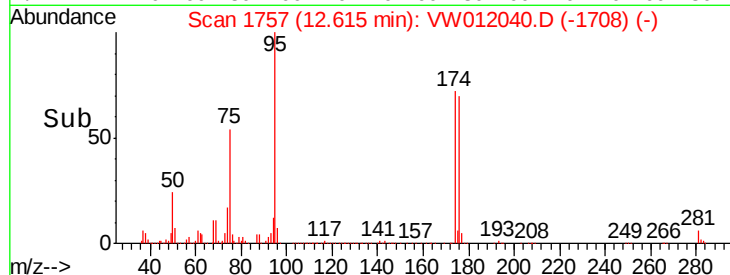
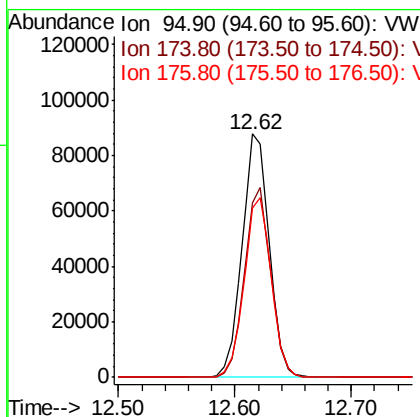
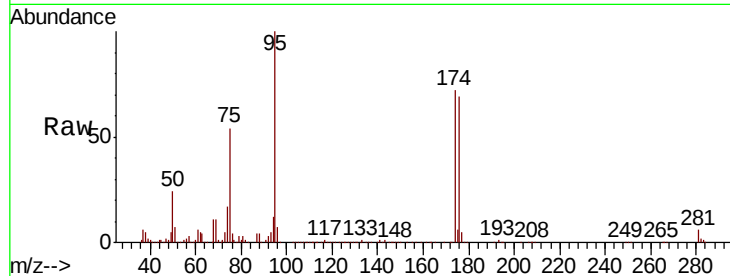




#62
4-Bromofluorobenzene
Concen: 44.246 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

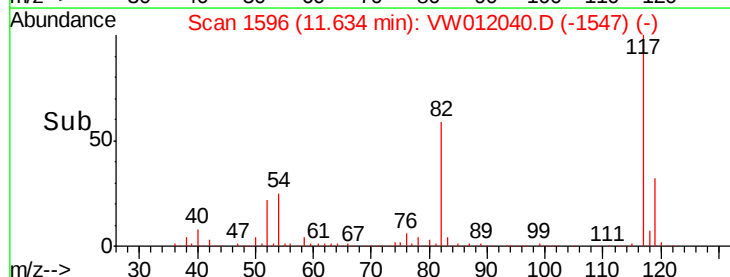
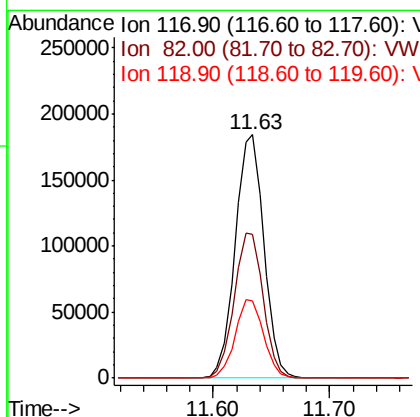
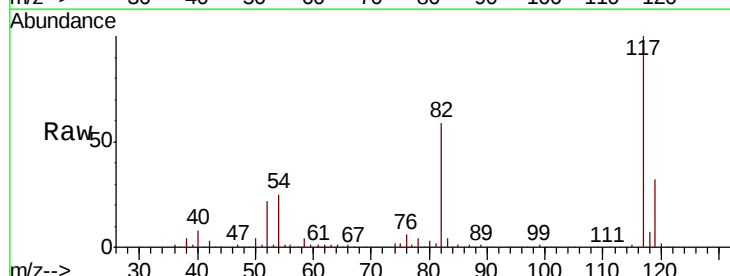
Instrument :
MSVOA_W
ClientSampleId :
T6-B-(2)

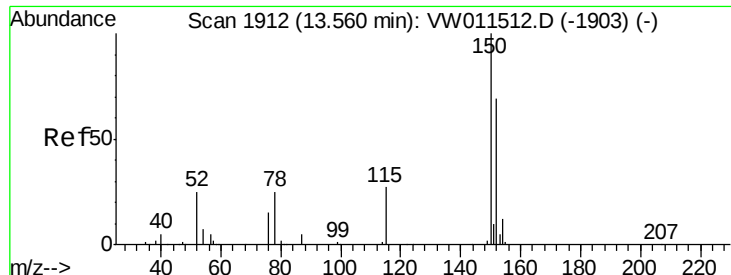
Tgt Ion: 95 Resp: 142018
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.2
176 74.1 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

Tgt Ion: 117 Resp: 316181
Ion Ratio Lower Upper
117 100
82 59.1 47.9 71.9
119 31.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012040.D

Acq: 20 Aug 2019 20:04

Instrument :

MSVOA_W

ClientSampled :

T6-B-(2)

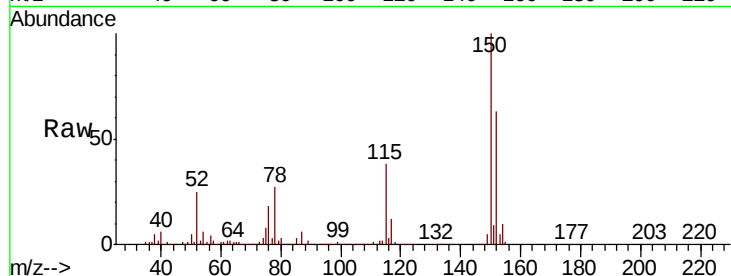
Tgt Ion: 152 Resp: 111576

Ion Ratio Lower Upper

152 100

115 60.5 30.5 91.5

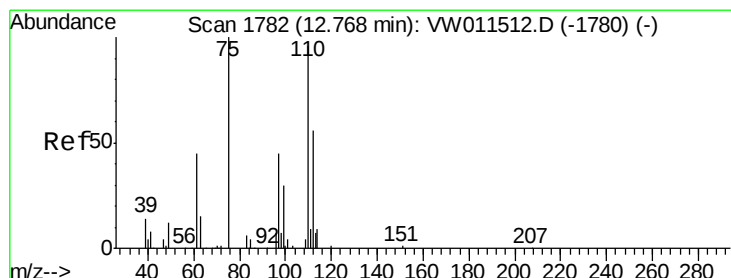
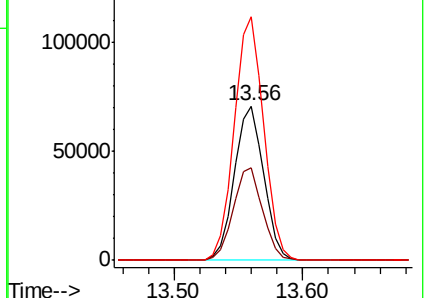
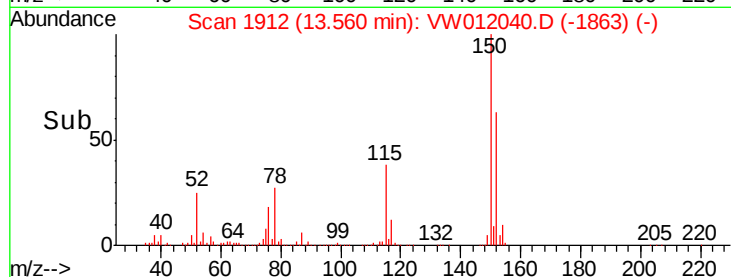
150 158.4 0.0 352.6



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: 64.040 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012040.D

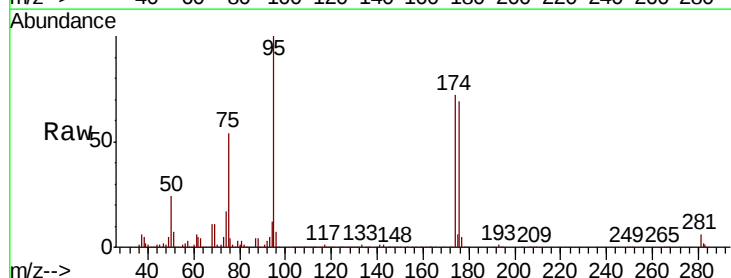
Acq: 20 Aug 2019 20:04

Tgt Ion: 75 Resp: 75606

Ion Ratio Lower Upper

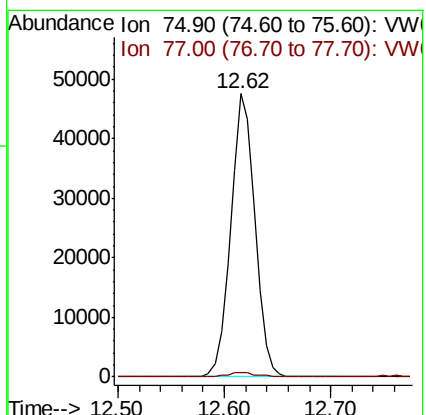
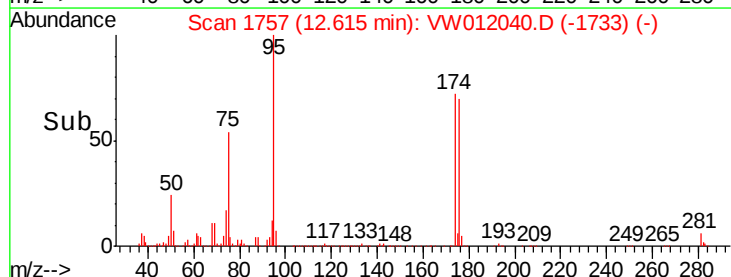
75 100

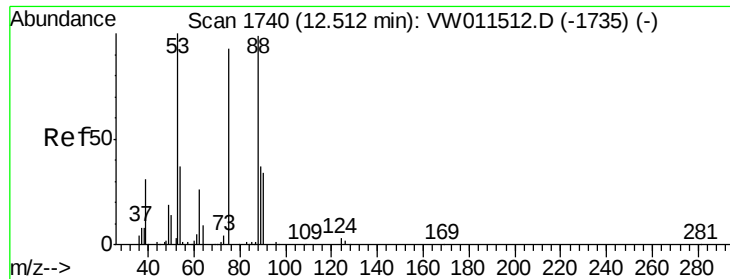
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

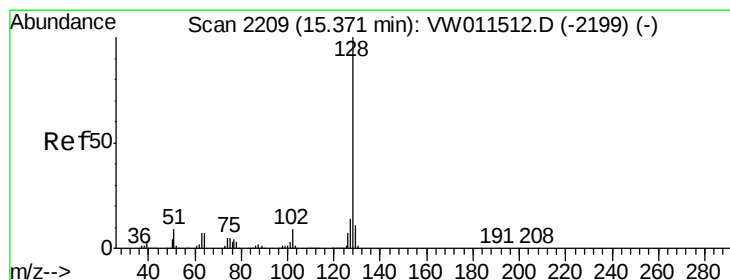
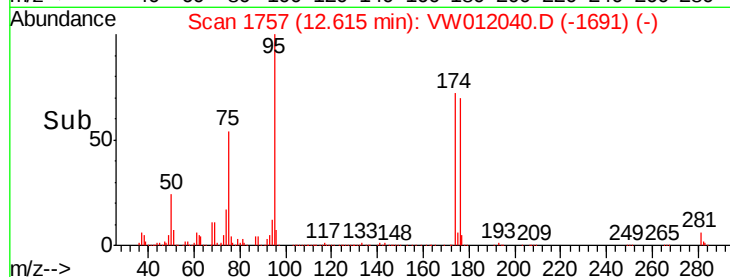
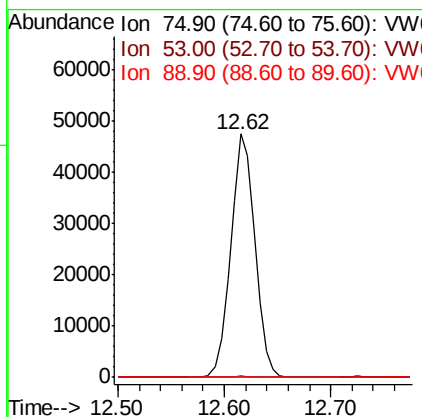
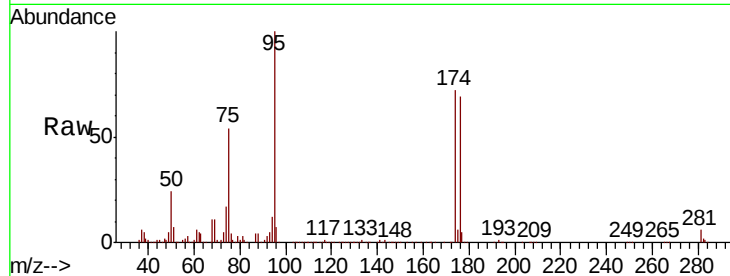




#81
trans-1,4-Dichloro-2-butene
Concen: 147.590 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

Instrument :
MSVOA_W
ClientSampled :
T6-B-(2)

Tgt Ion: 75 Resp: 75606
Ion Ratio Lower Upper
75 100
53 0.3 88.0 132.0#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 2.495 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012040.D
Acq: 20 Aug 2019 20:04

Tgt Ion: 128 Resp: 1970
Ion Ratio Lower Upper
128 100
127 10.6 10.6 16.0#
129 17.9 8.6 13.0#

