

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012062.D
 Acq On : 21 Aug 2019 11:00
 Operator : SY/VA
 Sample : K4387-07RE
 Misc : 3.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-D-(0)

Quant Time: Aug 22 05:13:46 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	215791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86023	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	136280	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
35) Dibromofluoromethane	7.88	113	110737	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	422398	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.62	95	118322	39.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.64%	

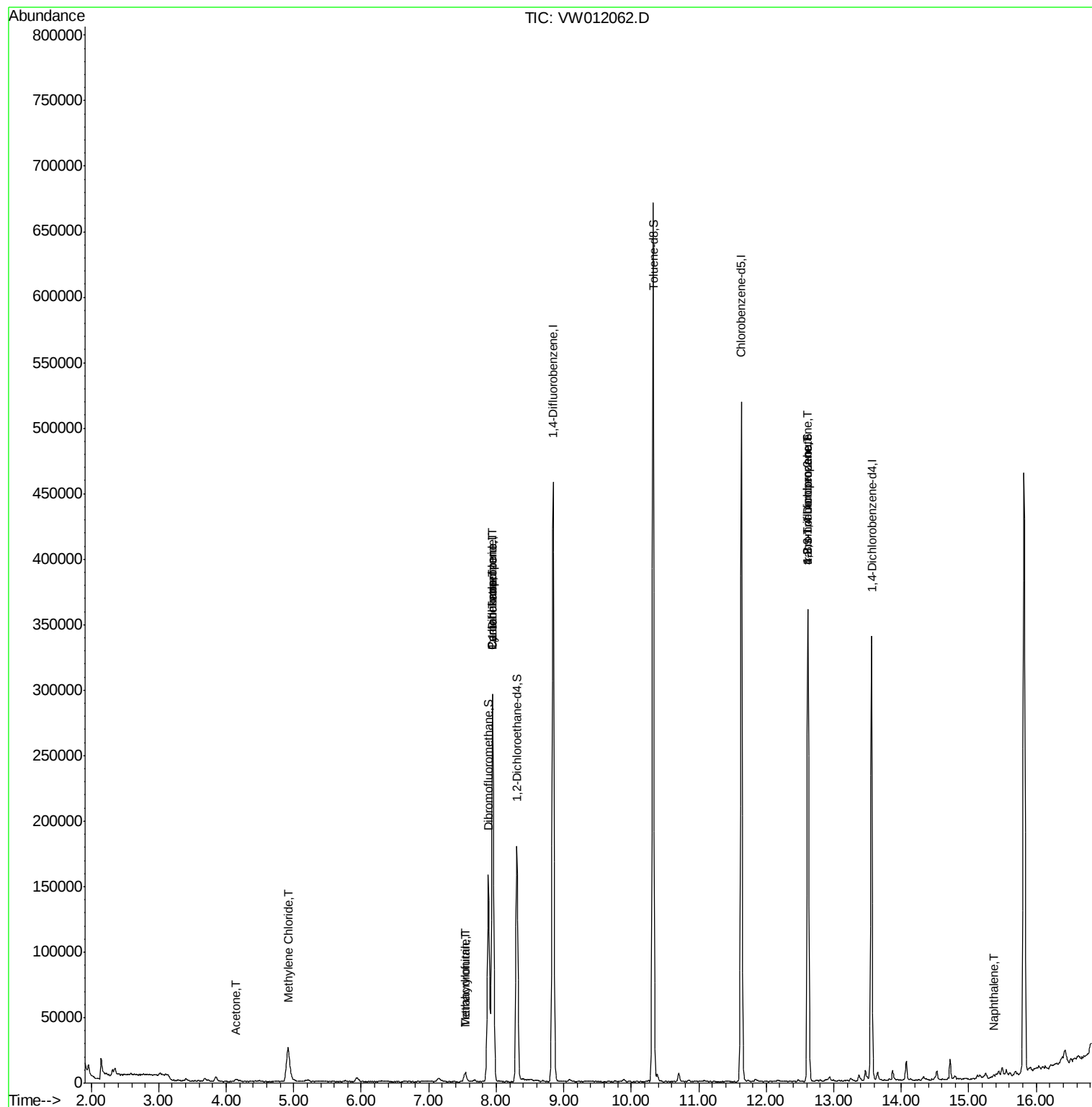
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	2600	Below Cal	#	93
16) Acetone	4.15	43	3761	4.772	ug/l #	88
20) Methylene Chloride	4.92	84	20048	7.375	ug/l	97
29) Tetrahydrofuran	7.54	42	6736	11.426	ug/l	99
31) Cyclohexane	7.95	56	5426	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18804	4.984	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21395	6.624	ug/l #	17
41) Methacrylonitrile	7.54	41	4054	3.124	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	62288	68.432	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62288	157.711	ug/l #	6
95) Naphthalene	15.36	128	1565	2.508	ug/l #	73

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampled :

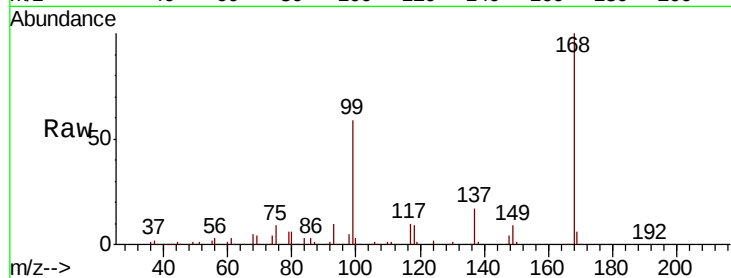
T6-D-(0)

Tgt Ion:168 Resp: 215791

Ion Ratio Lower Upper

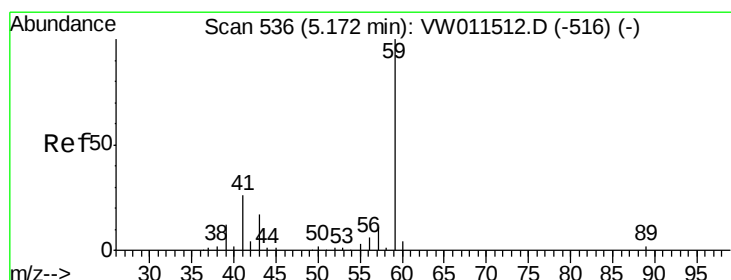
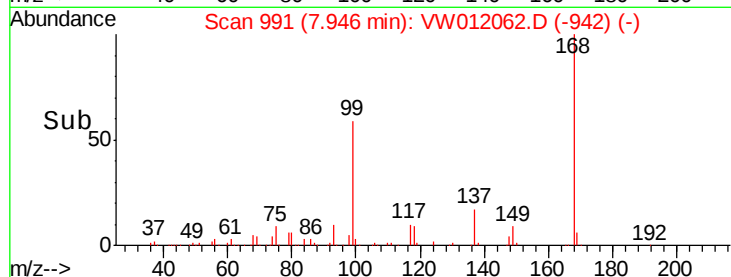
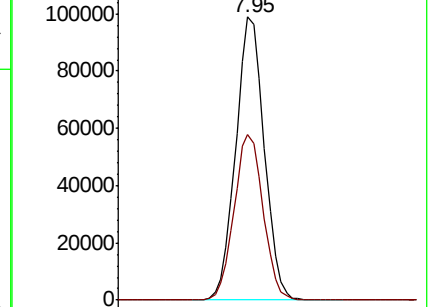
168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW012062.D

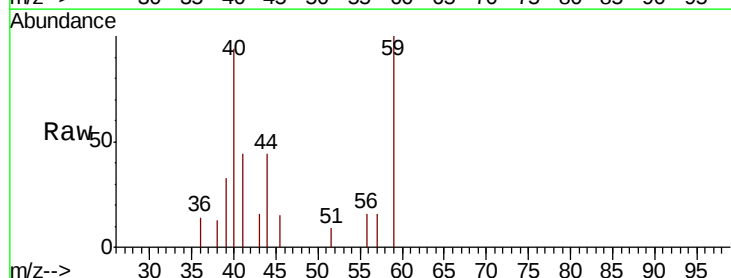
Acq: 21 Aug 2019 11:00

Tgt Ion: 59 Resp: 2600

Ion Ratio Lower Upper

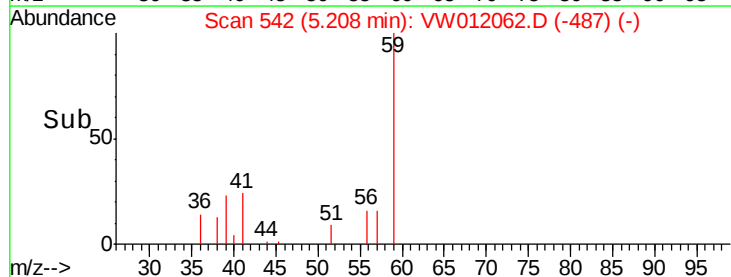
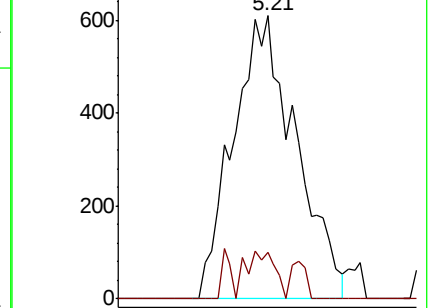
59 100

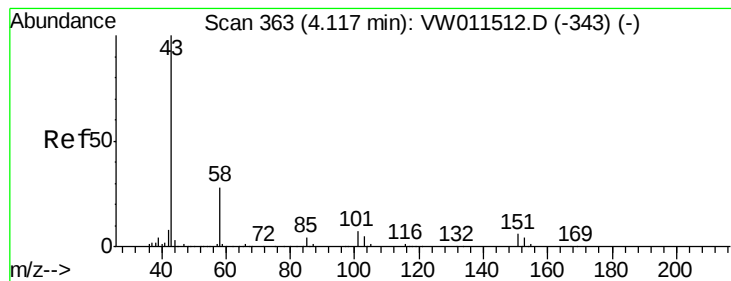
57 7.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.772 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

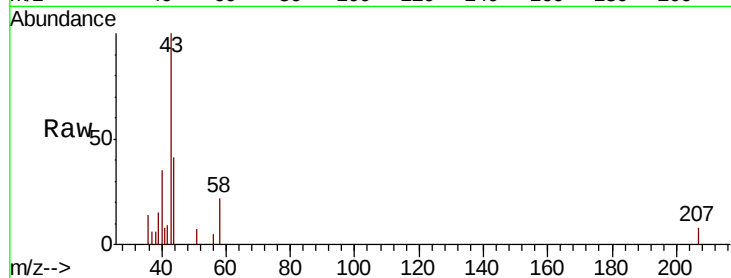
T6-D-(0)

Tgt Ion: 43 Resp: 3761

Ion Ratio Lower Upper

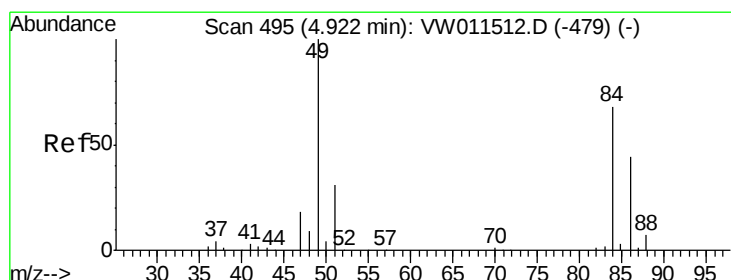
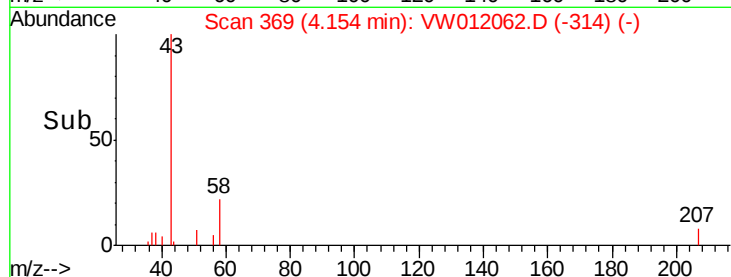
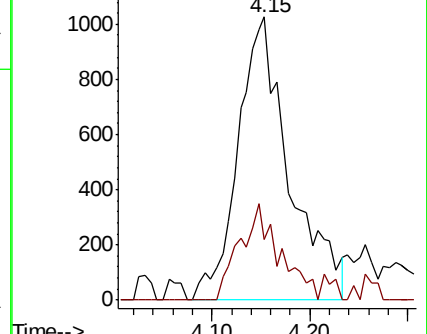
43 100

58 21.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.375 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Tgt Ion: 84 Resp: 20048

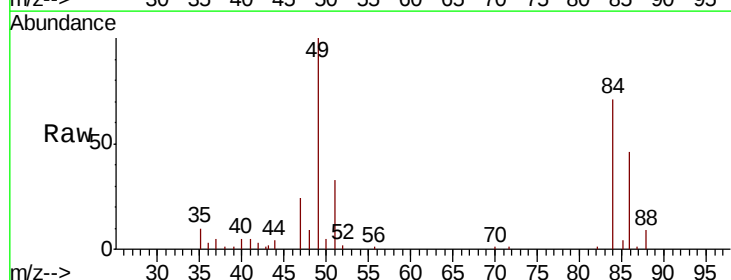
Ion Ratio Lower Upper

84 100

49 141.8 117.8 176.6

51 46.6 37.0 55.4

86 65.9 51.8 77.8

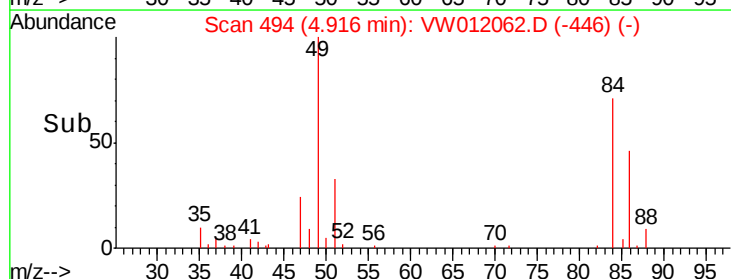
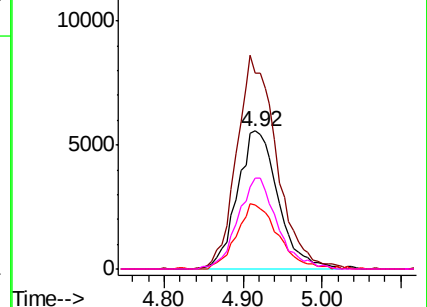


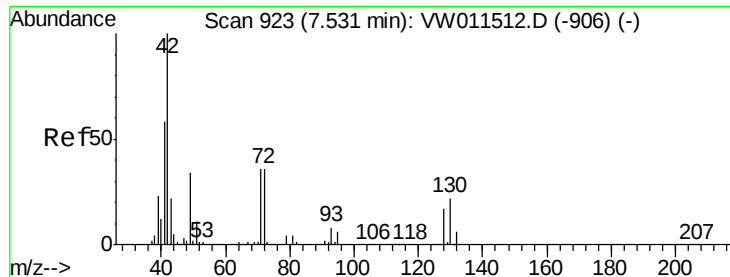
Abundance Ion 83.90 (83.60 to 84.60): VW

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

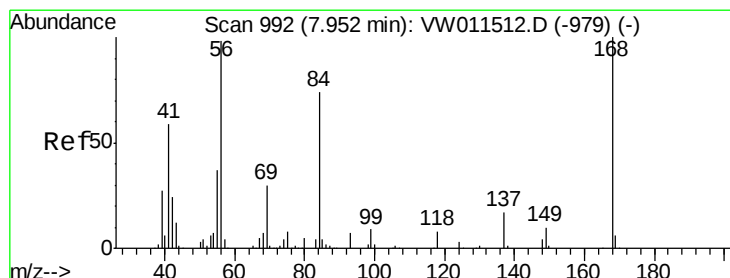
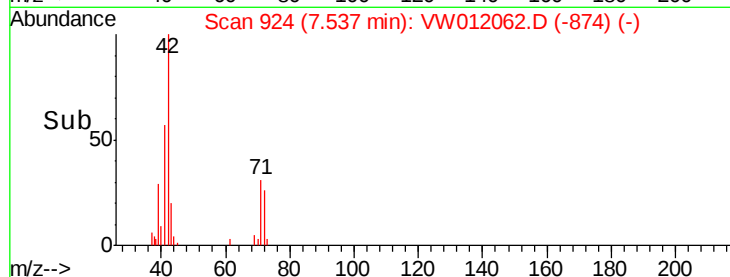
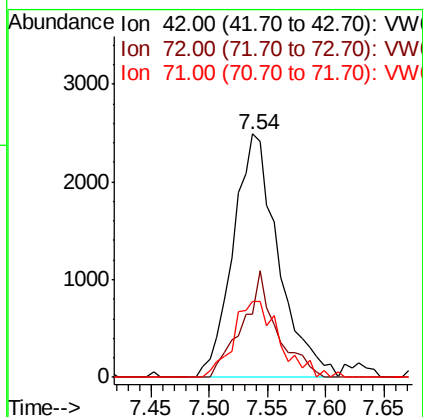
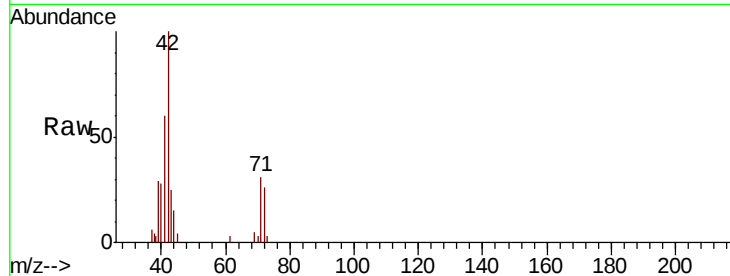




#29
Tetrahydrofuran
Concen: 11.426 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

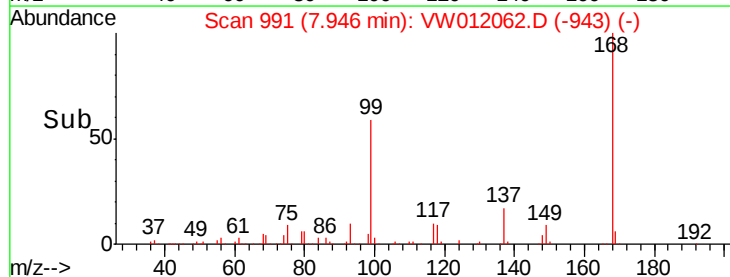
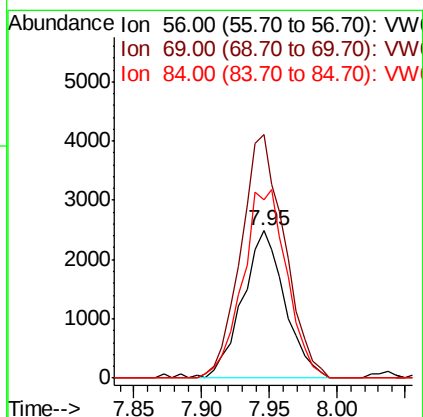
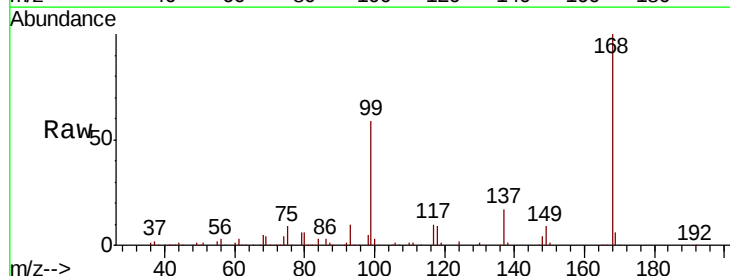
Instrument :
MSVOA_W
ClientSampleId :
T6-D-(0)

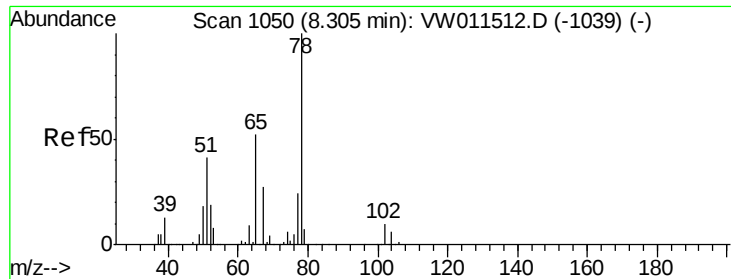
Tgt Ion: 42 Resp: 6736
Ion Ratio Lower Upper
42 100
72 33.1 27.1 40.7
71 32.3 26.2 39.4



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

Tgt Ion: 56 Resp: 5426
Ion Ratio Lower Upper
56 100
69 165.6 24.3 36.5#
84 121.1 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 54.999 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

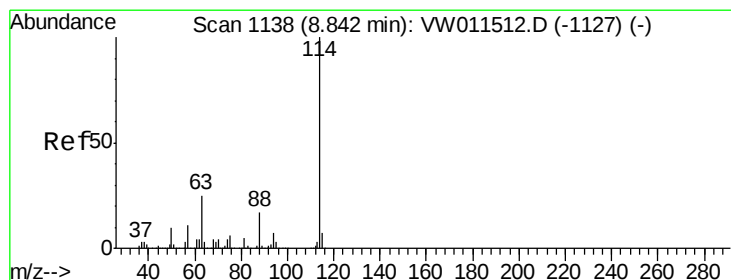
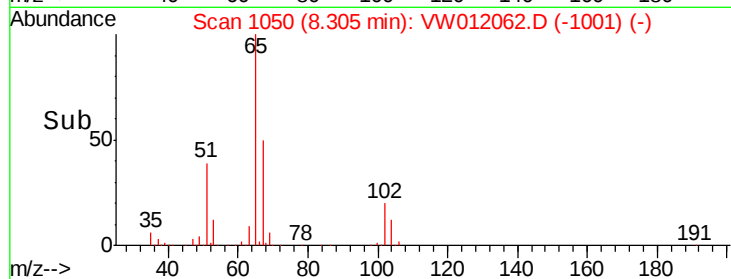
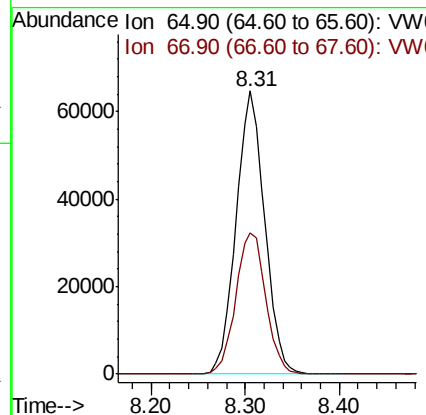
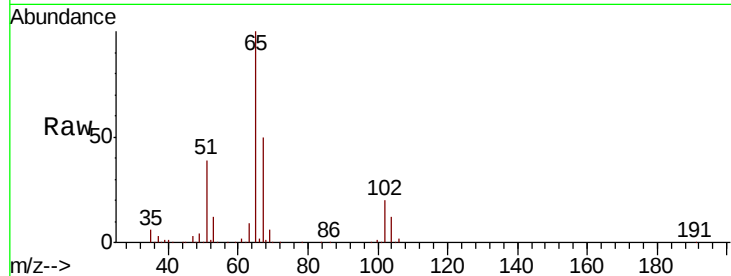
T6-D-(0)

Tgt Ion: 65 Resp: 136280

Ion Ratio Lower Upper

65 100

67 52.4 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: VW012062.D

Acq: 21 Aug 2019 11:00

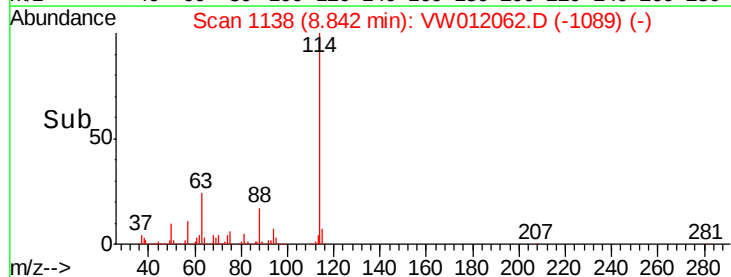
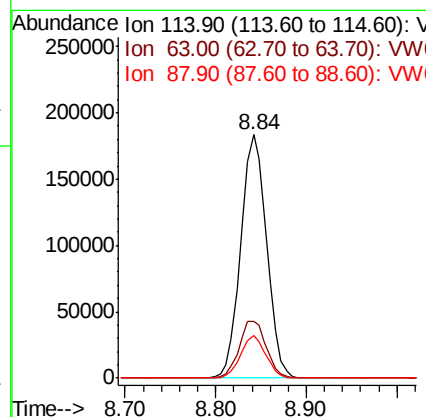
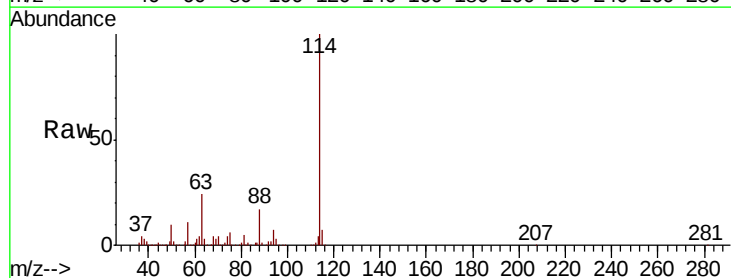
Tgt Ion: 114 Resp: 362825

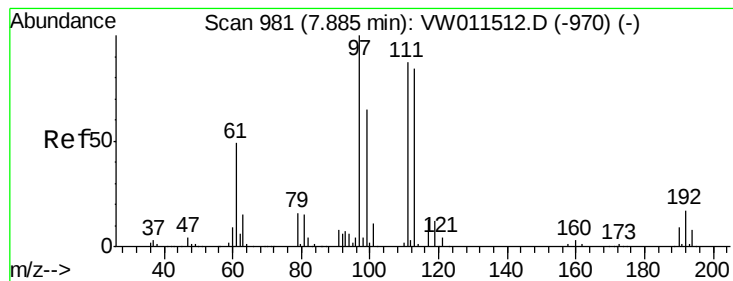
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.403 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

T6-D-(0)

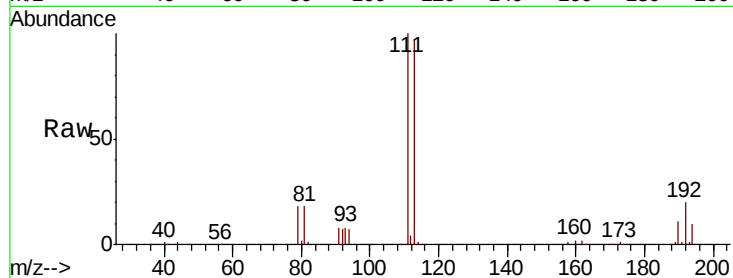
Tgt Ion:113 Resp: 110737

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

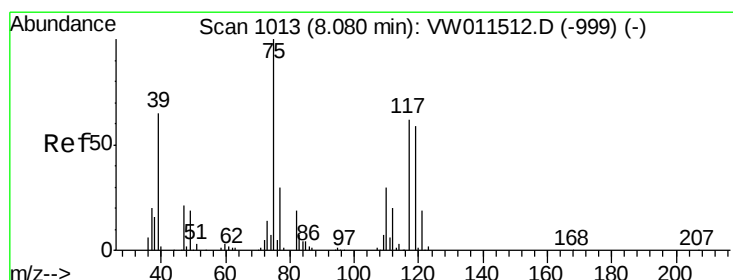
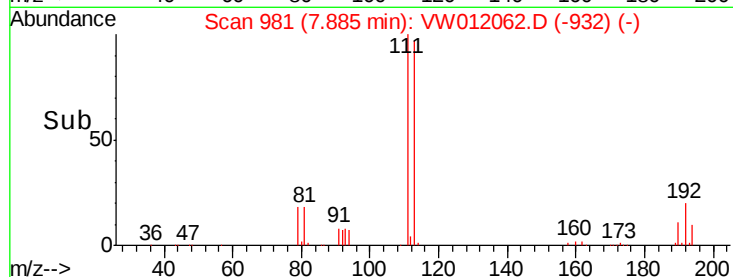
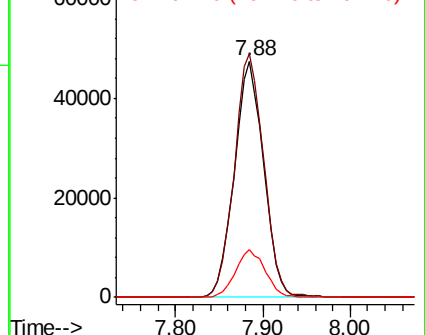
192 20.4 16.1 24.1



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: 4.984 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

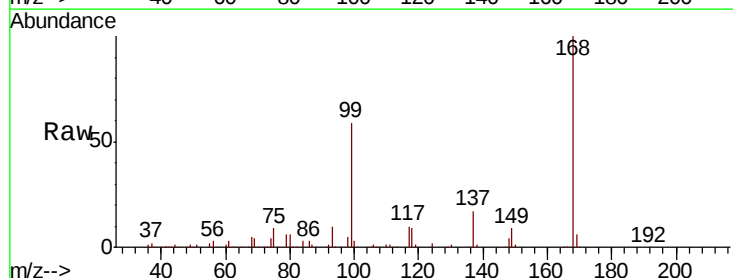
Tgt Ion: 75 Resp: 18804

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

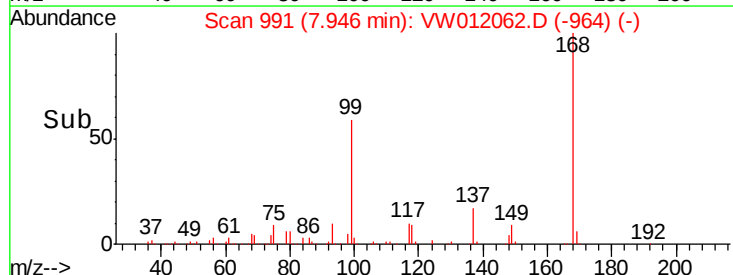
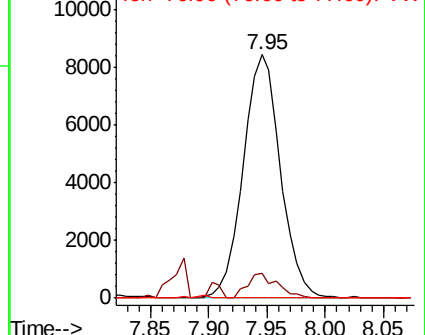
77 0.0 24.3 36.5#

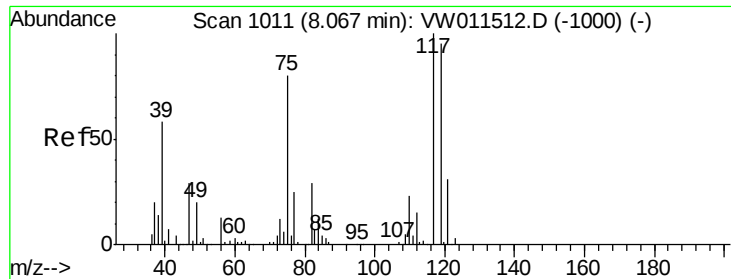


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

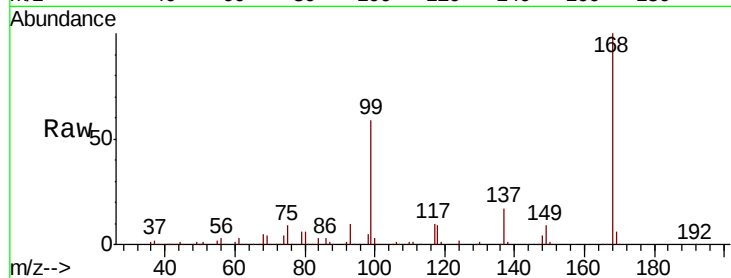




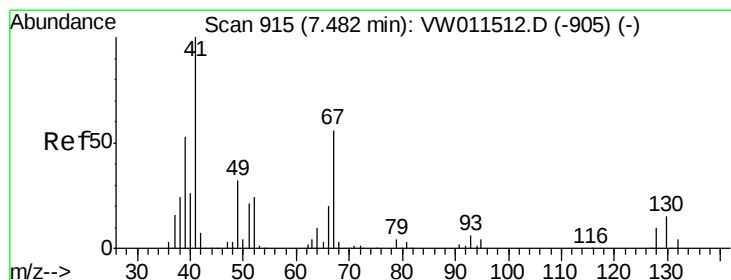
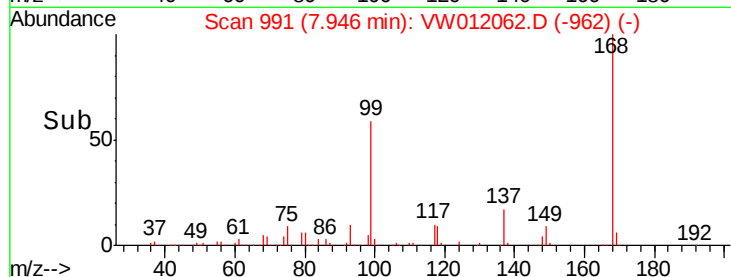
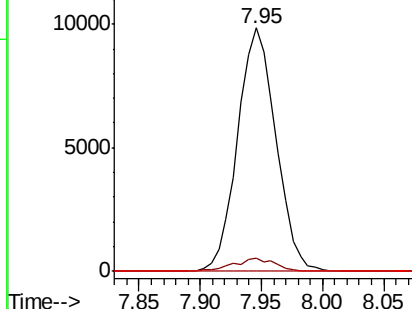
#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

Instrument :
MSVOA_W
ClientSampled :
T6-D-(0)

Tgt Ion: 117 Resp: 21395
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.7 37.1#

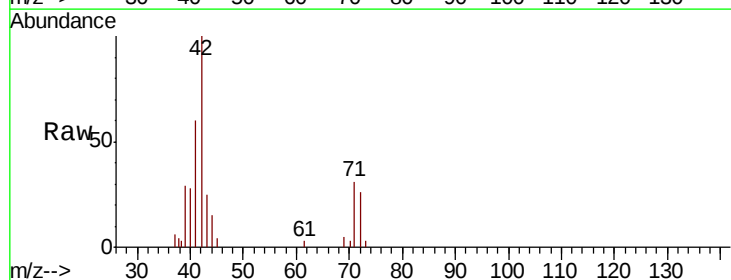


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

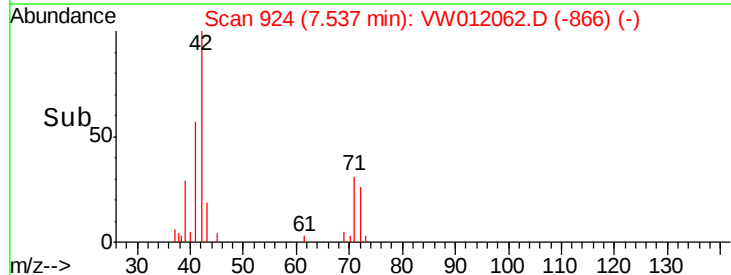
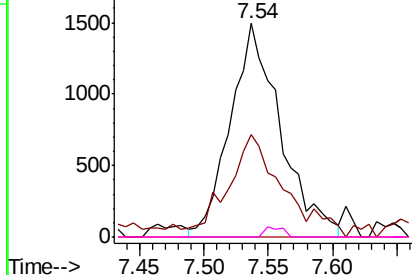


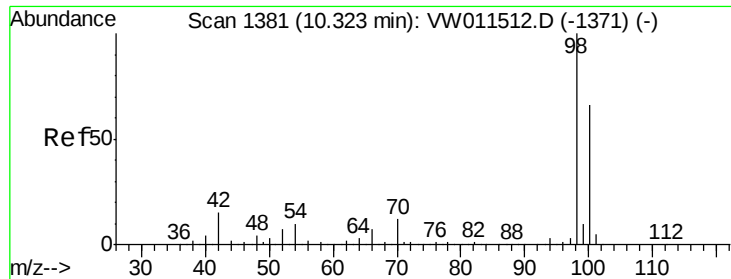
#41
Methacrylonitrile
Concen: 3.124 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

Tgt Ion: 41 Resp: 4054
Ion Ratio Lower Upper
41 100
39 52.5 43.0 64.4
67 0.0 47.5 71.3#
52 1.7 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





#50

Toluene-d8

Concen: 50.684 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampled :

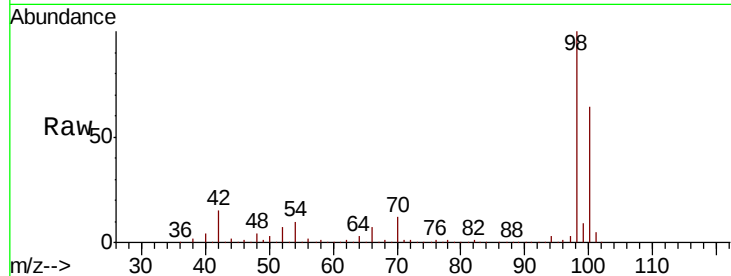
T6-D-(0)

Tgt Ion: 98 Resp: 422398

Ion Ratio Lower Upper

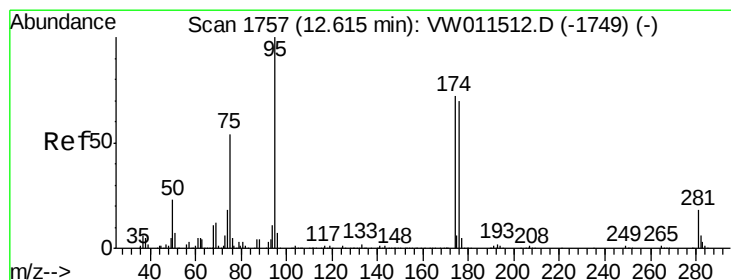
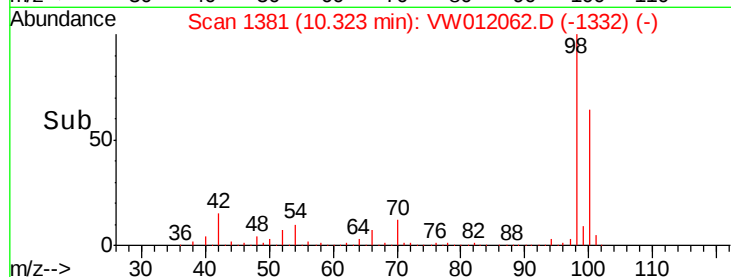
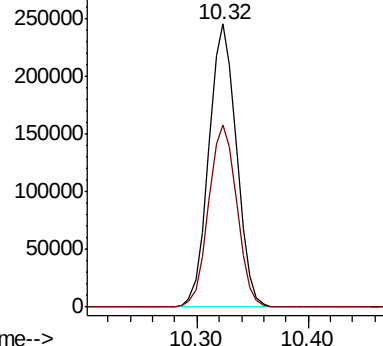
98 100

100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 39.823 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

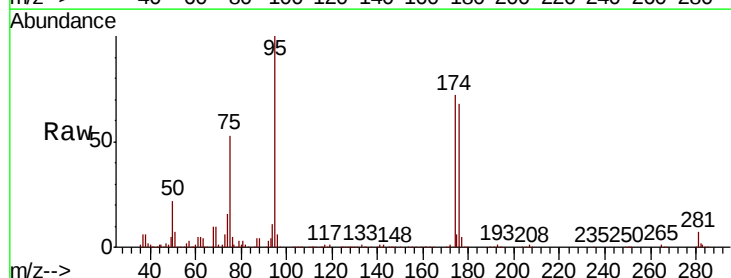
Tgt Ion: 95 Resp: 118322

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

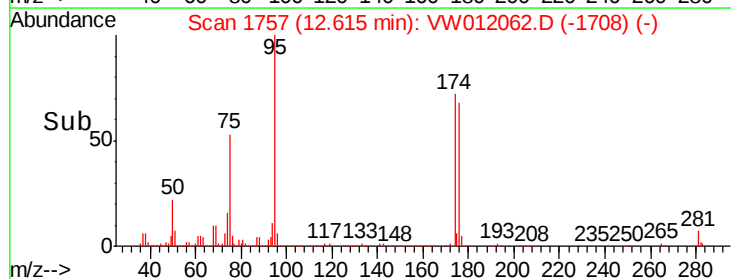
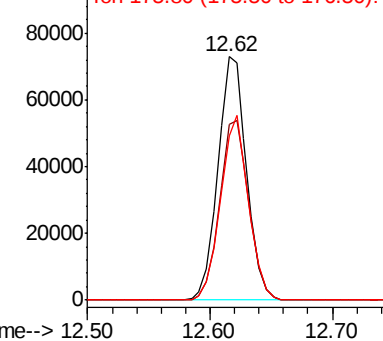
176 73.9 0.0 144.4

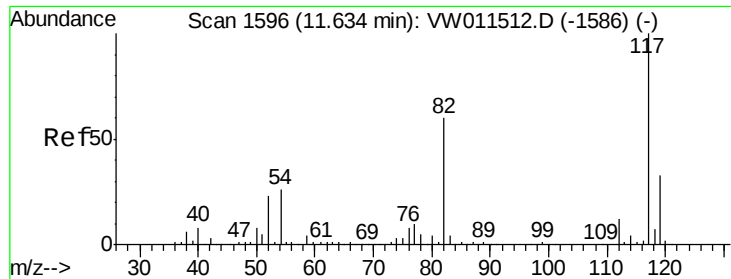


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

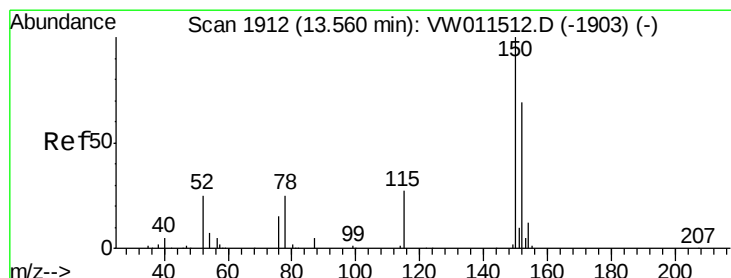
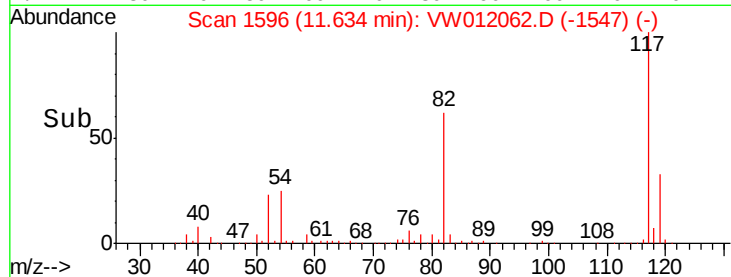
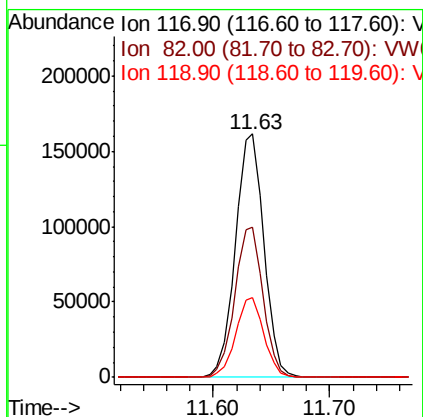
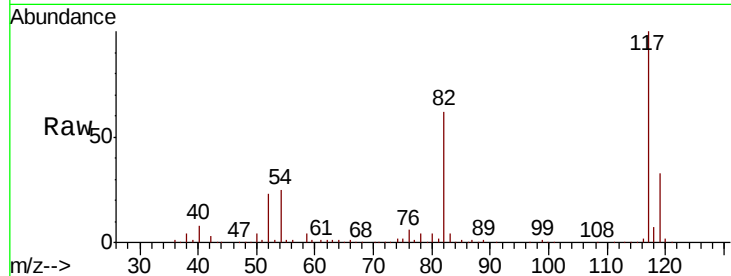




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

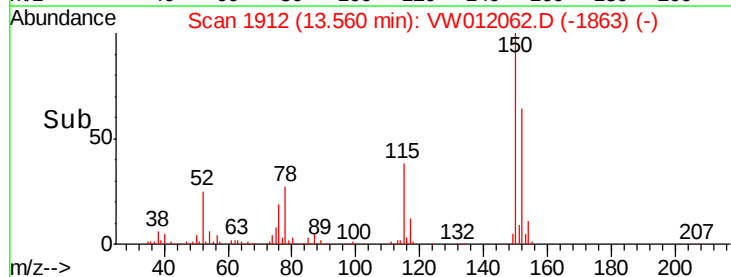
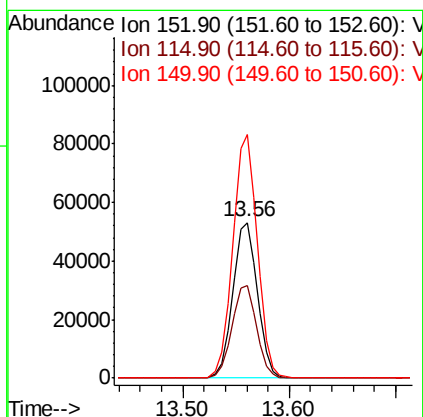
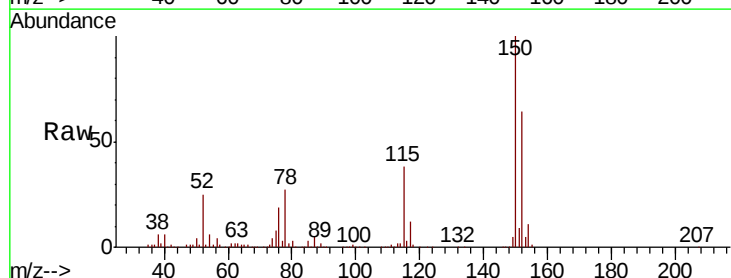
Instrument :
MSVOA_W
ClientSampled :
T6-D-(0)

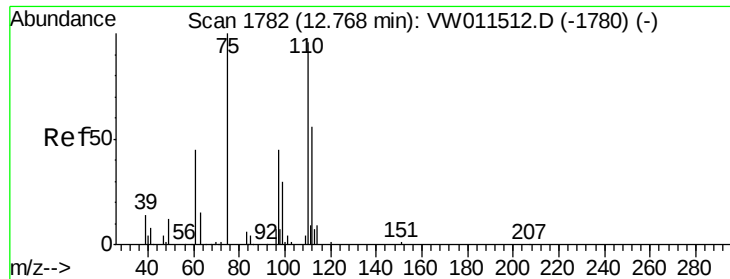
Tgt Ion:117 Resp: 276259
Ion Ratio Lower Upper
117 100
82 61.5 47.9 71.9
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

Tgt Ion:152 Resp: 86023
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 156.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 68.432 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

Instrument :

MSVOA_W

ClientSampleId :

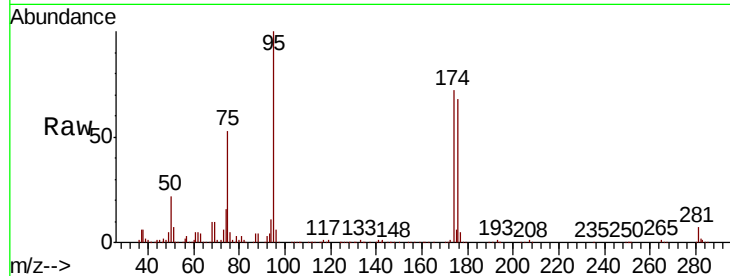
T6-D-(0)

Tgt Ion: 75 Resp: 62288

Ion Ratio Lower Upper

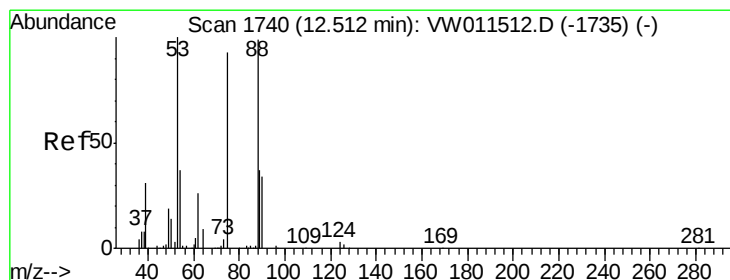
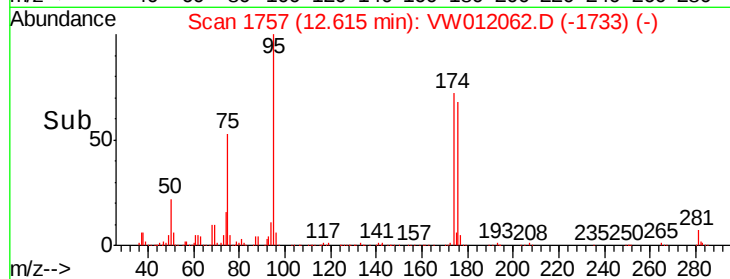
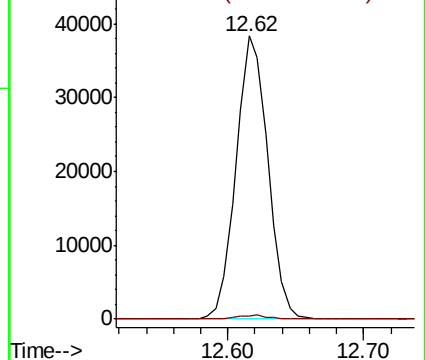
75 100

77 1.4 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: 157.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012062.D

Acq: 21 Aug 2019 11:00

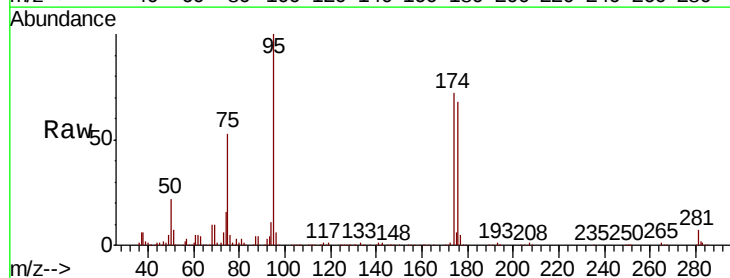
Tgt Ion: 75 Resp: 62288

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

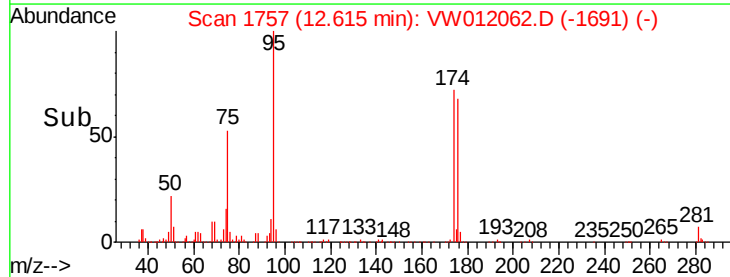
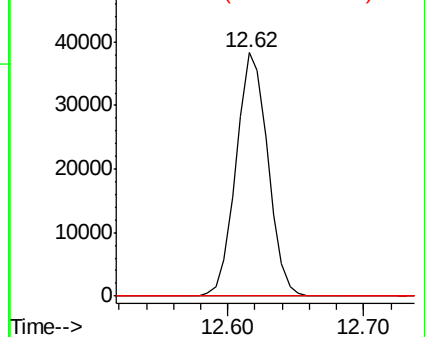
89 0.0 35.3 52.9#

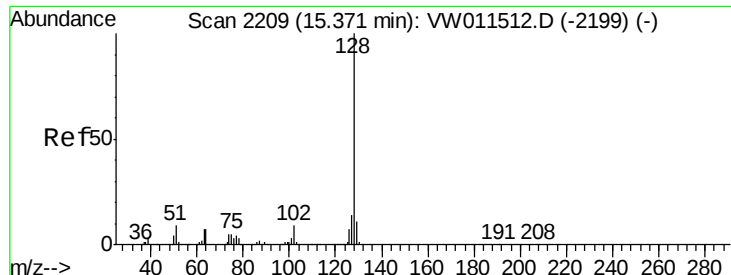


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

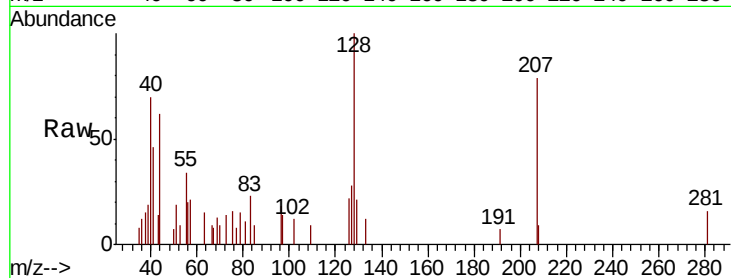




#95
Naphthalene
Concen: 2.508 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012062.D
Acq: 21 Aug 2019 11:00

Instrument :
MSVOA_W
ClientSampleId :
T6-D-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	33.1	10.6	16.0
129	10.7	8.6	13.0



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

