

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011862.D
 Acq On : 12 Aug 2019 19:33
 Operator : SY/VA
 Sample : K4244-03RE
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:48:46 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	191071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	95424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128696	58.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.32%	
35) Dibromofluoromethane	7.88	113	100515	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
50) Toluene-d8	10.32	98	395307	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.62	95	119568	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

Target Compounds

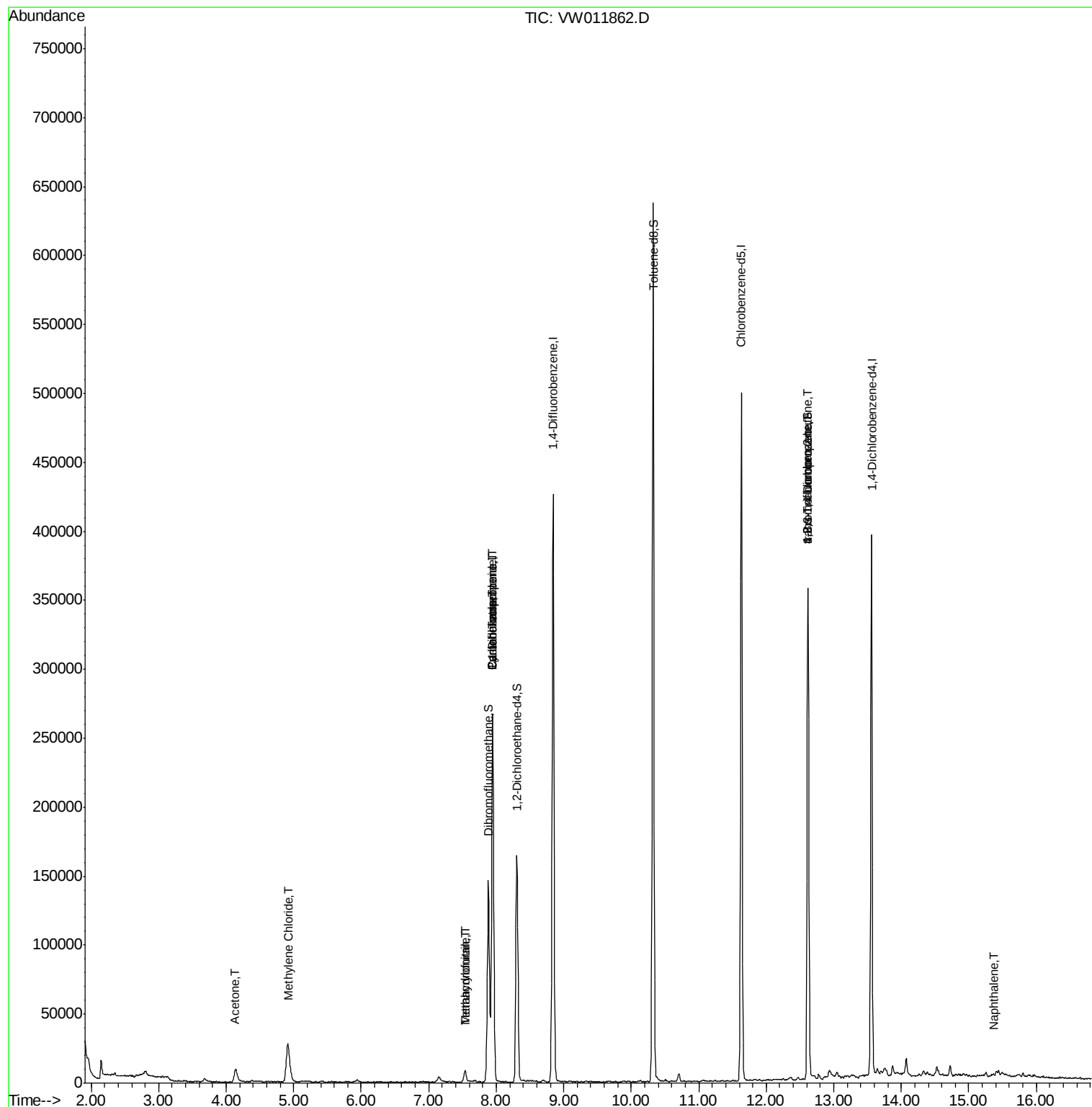
					Qvalue	
11) Tert butyl alcohol	5.20	59	263	Below Cal	#	58
16) Acetone	4.14	43	19592	28.072	ug/l	98
20) Methylene Chloride	4.92	84	21811	9.062	ug/l	94
29) Tetrahydrofuran	7.54	42	7122	13.643	ug/l	98
31) Cyclohexane	7.95	56	4943	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16426	4.941	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19897	6.991	ug/l #	18
41) Methacrylonitrile	7.54	41	4566	3.993	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	63759	63.147	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63759	145.531	ug/l #	7
95) Naphthalene	15.36	128	827	2.276	ug/l #	82

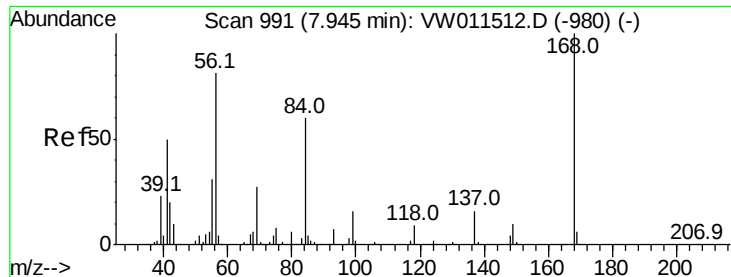
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 07:48:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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: VW011862.D

Acq: 12 Aug 2019 19:33

Instrument :

MSVOA_W

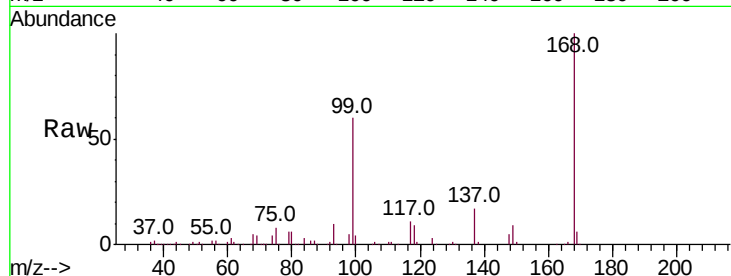
ClientSampleId :

Tot Ion:168 Resp: 191071

Ion Ratio Lower Upper

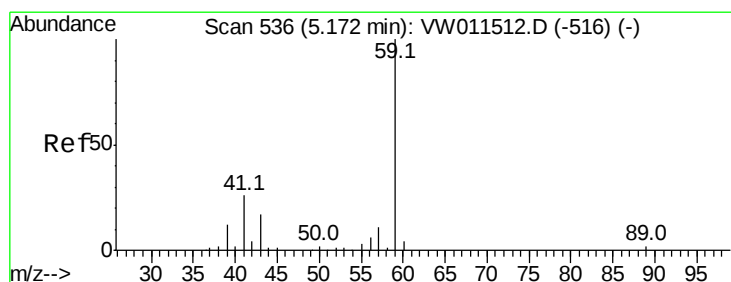
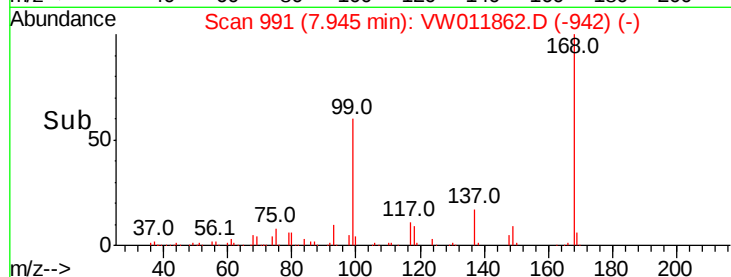
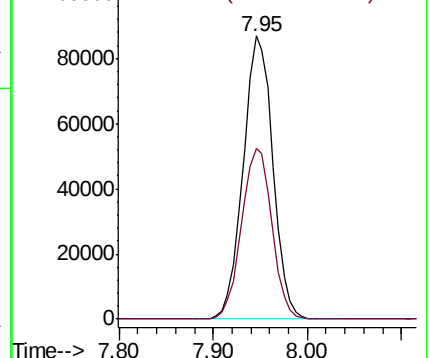
168 100

99 60.2 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: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011862.D

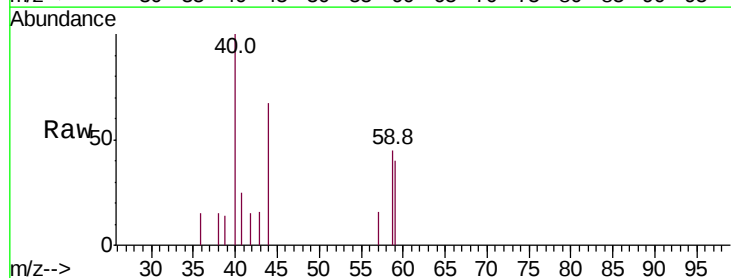
Acq: 12 Aug 2019 19:33

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

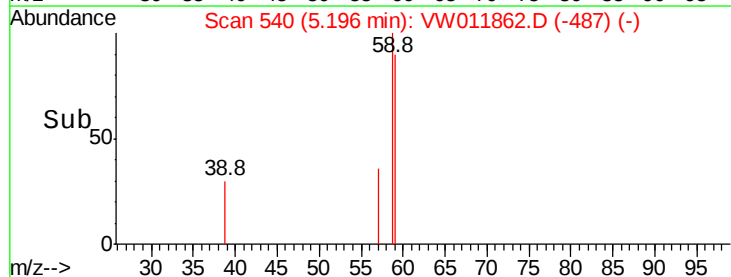
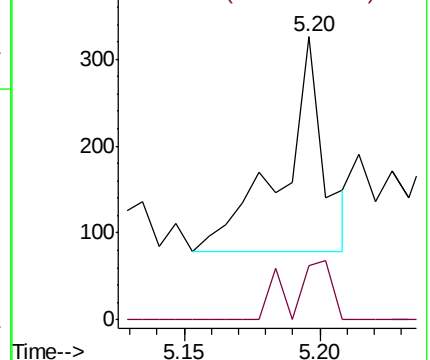
59 100

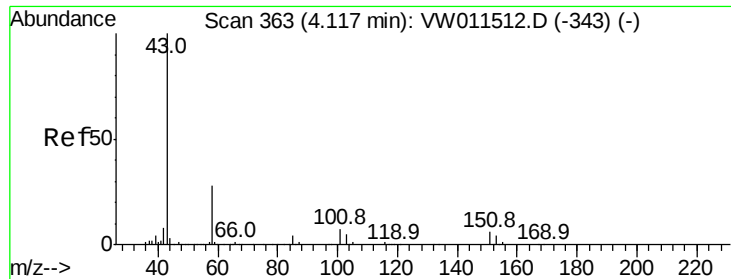
57 26.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

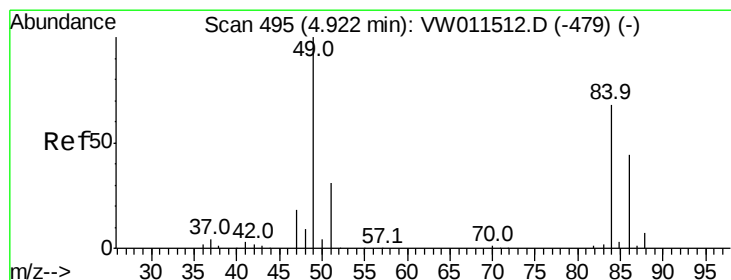
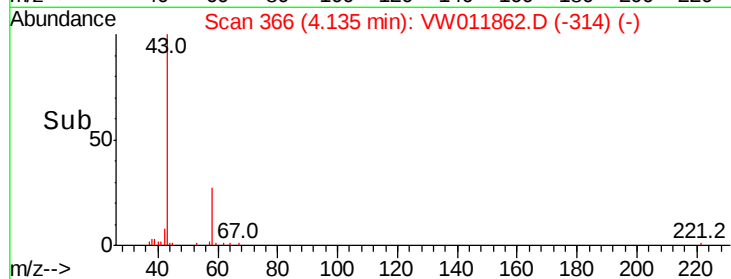
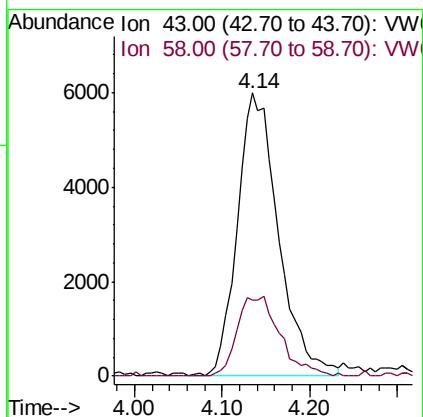
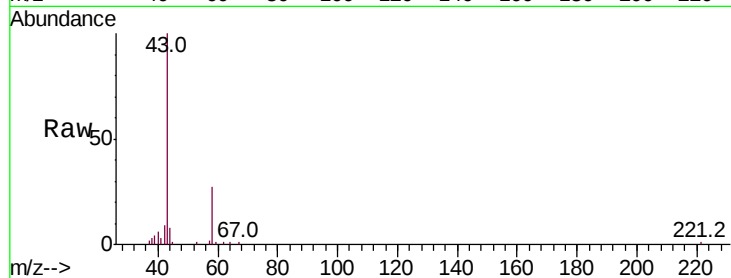




#16
Acetone
Concen: 28.072 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

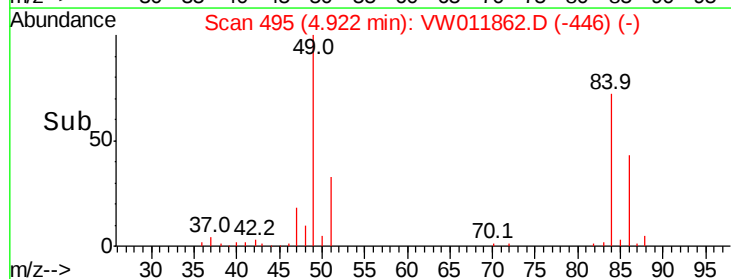
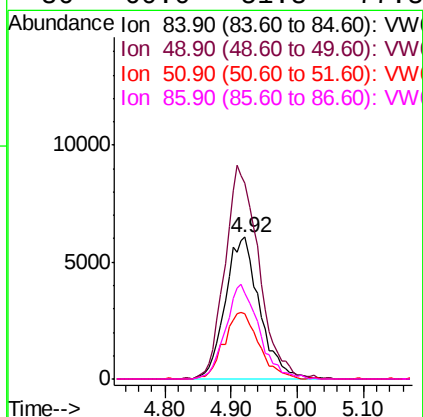
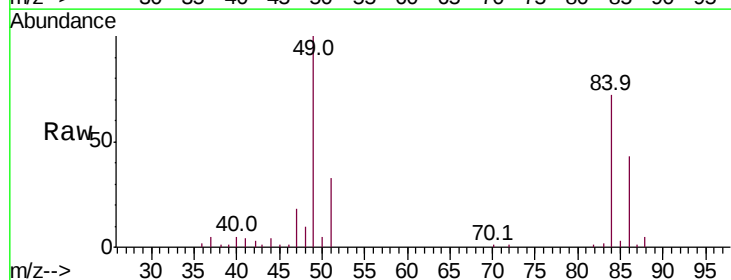
Instrument :
MSVOA_W
ClientSampleId :

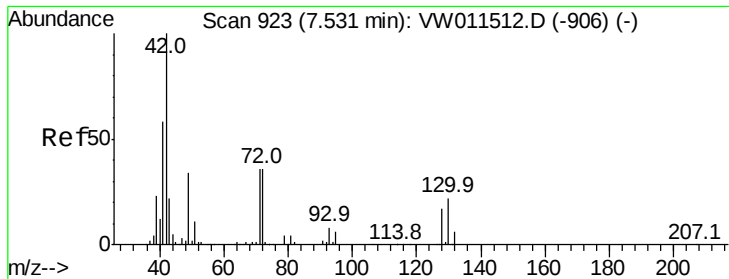
Tot Ion: 43 Resp: 19592
Ion Ratio Lower Upper
43 100
58 26.8 22.3 33.5



#20
Methylene Chloride
Concen: 9.062 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Tgt Ion: 84 Resp: 21811
Ion Ratio Lower Upper
84 100
49 138.0 117.8 176.6
51 46.0 37.0 55.4
86 60.0 51.8 77.8

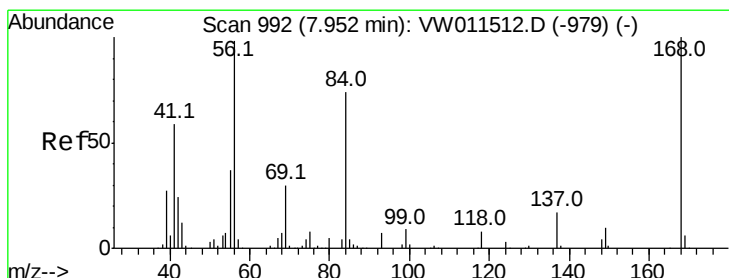
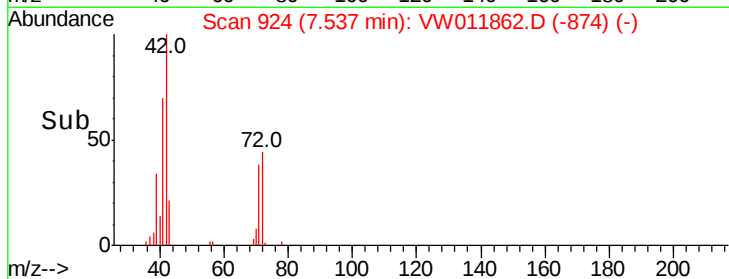
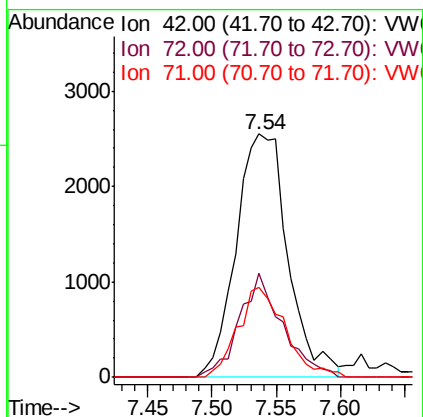
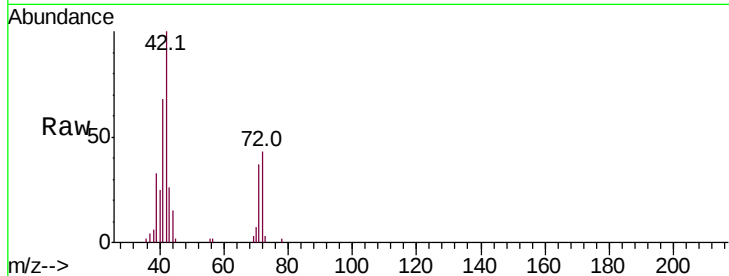




#29
Tetrahydrofuran
Concen: 13.643 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

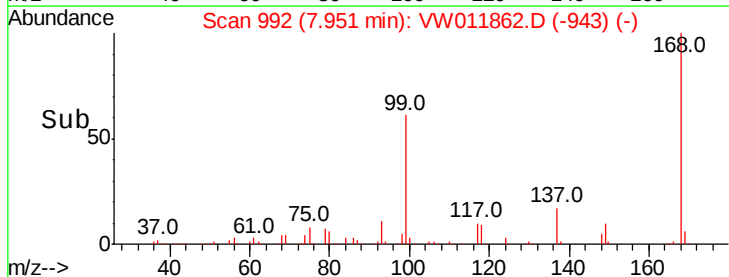
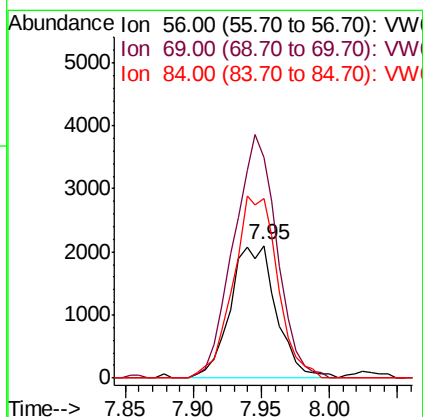
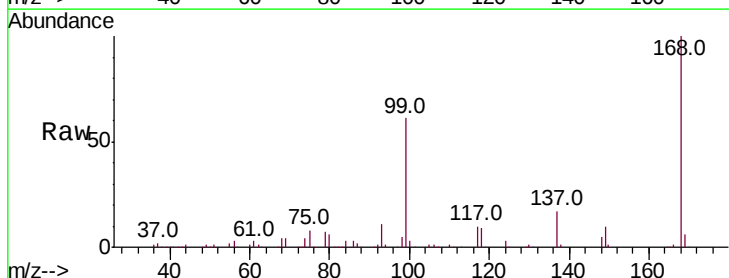
Instrument :
MSVOA_W
ClientSampleId :

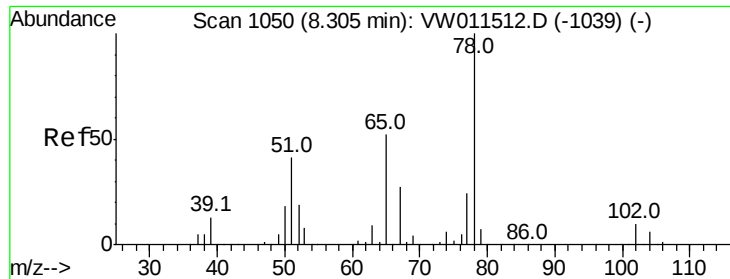
Tot Ion: 42 Resp: 7122
Ion Ratio Lower Upper
42 100
72 35.1 27.1 40.7
71 33.9 26.2 39.4



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Tgt Ion: 56 Resp: 4943
Ion Ratio Lower Upper
56 100
69 166.3 24.3 36.5#
84 135.8 60.4 90.6#

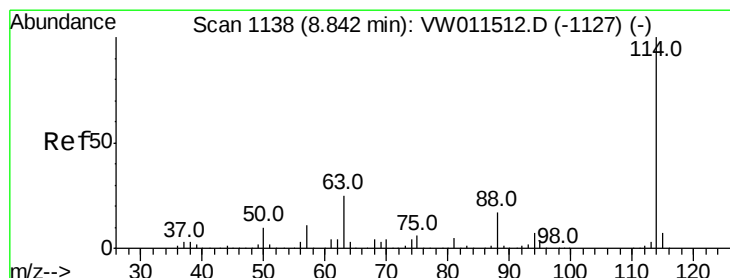
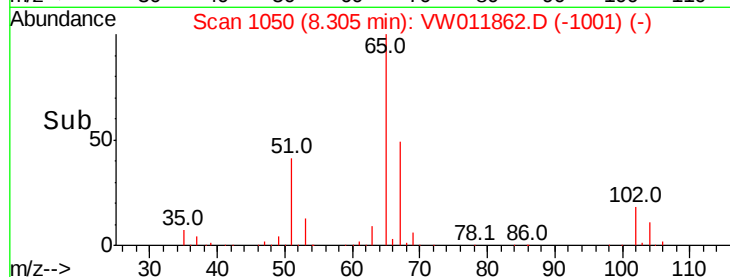
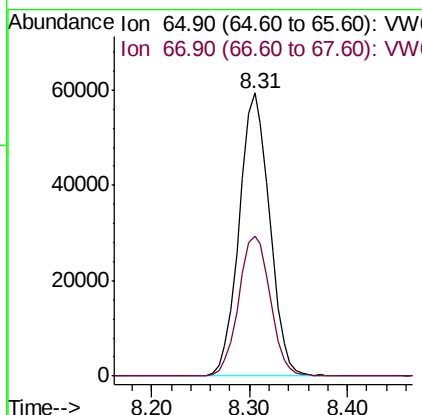
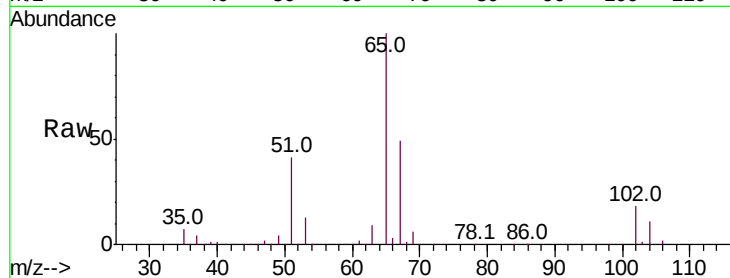




#33
 1,2-Dichloroethane-d4
 Concen: 58.657 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011862.D
 Acq: 12 Aug 2019 19:33

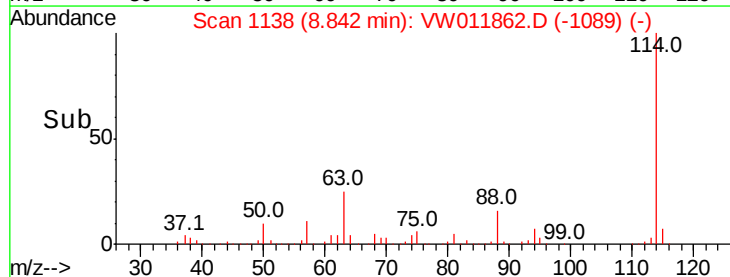
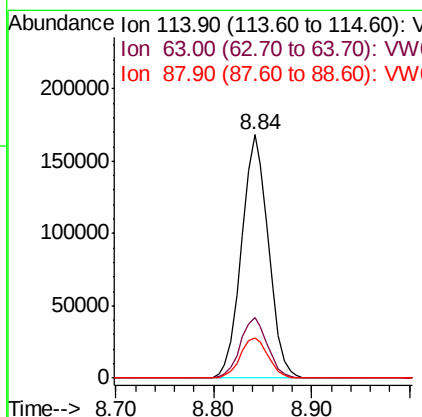
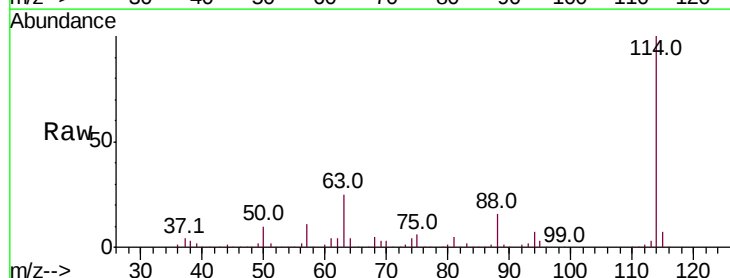
Instrument :
 MSVOA_W
 ClientSampleId :

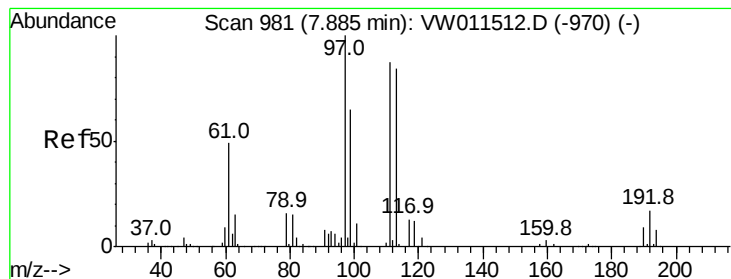
Tot Ion: 65 Resp: 128696
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011862.D
 Acq: 12 Aug 2019 19:33

Tgt Ion: 114 Resp: 319730
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.036 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

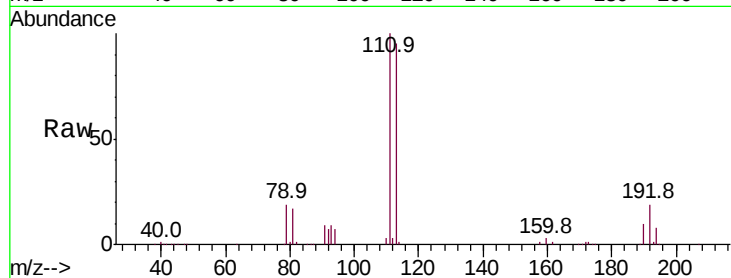
Tot Ion:113 Resp: 100515

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

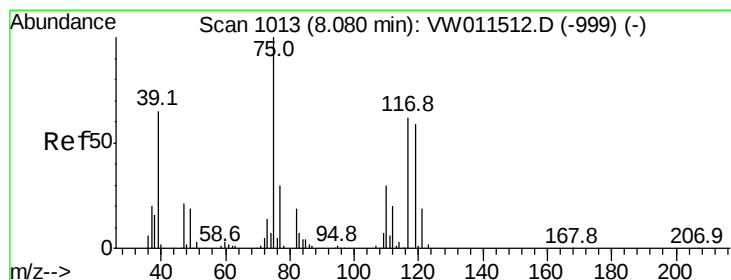
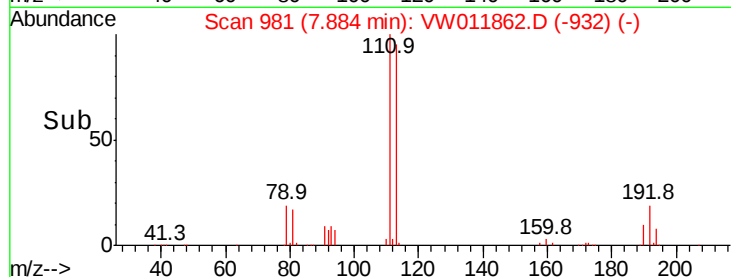
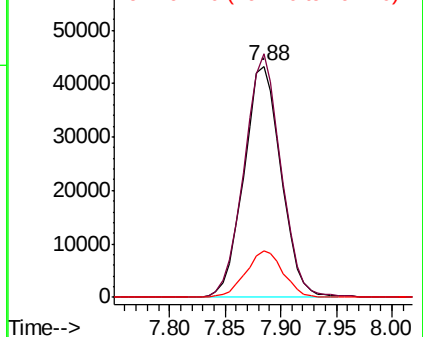
192 20.1 16.1 24.1



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: 4.941 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

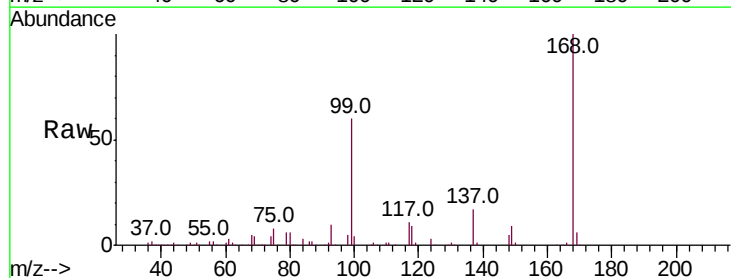
Tgt Ion: 75 Resp: 16426

Ion Ratio Lower Upper

75 100

110 8.2 15.6 46.8#

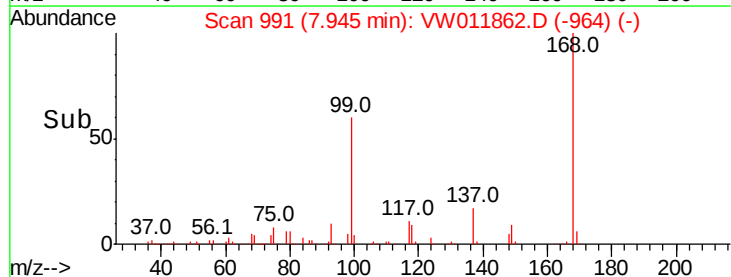
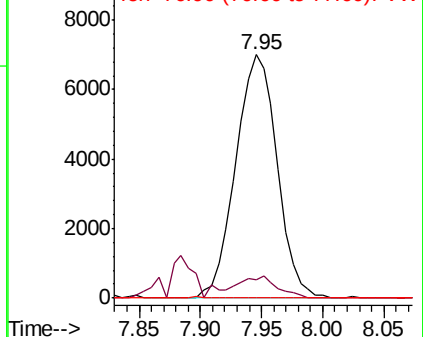
77 0.0 24.3 36.5#

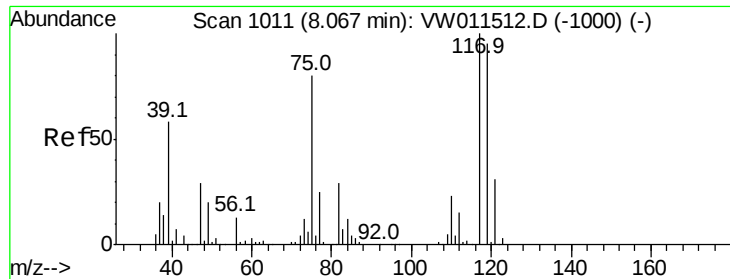


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.991 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

Instrument :

MSVOA_W

ClientSampleId :

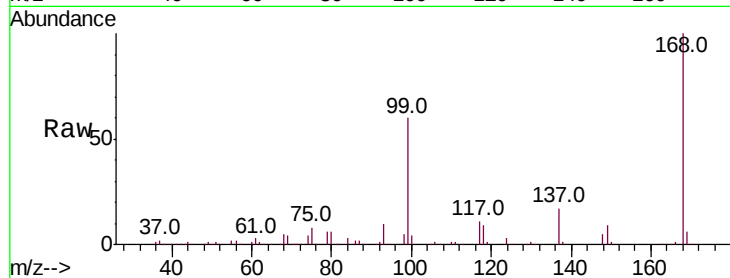
Tot Ion:117 Resp: 19897

Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

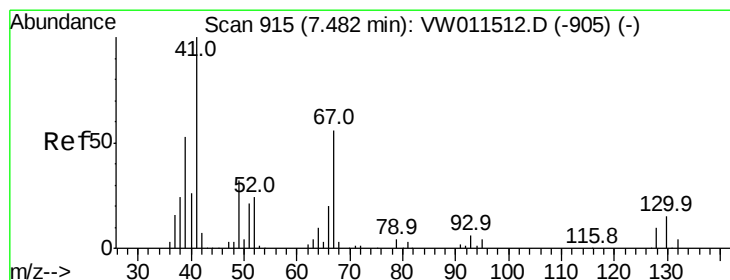
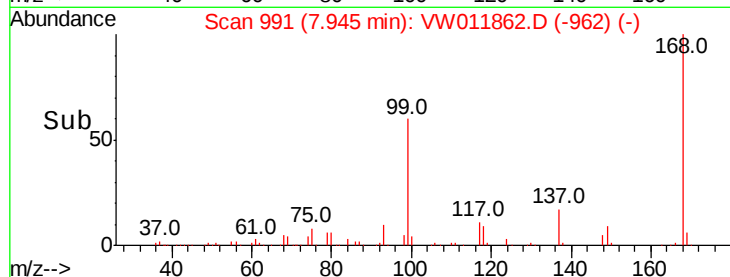
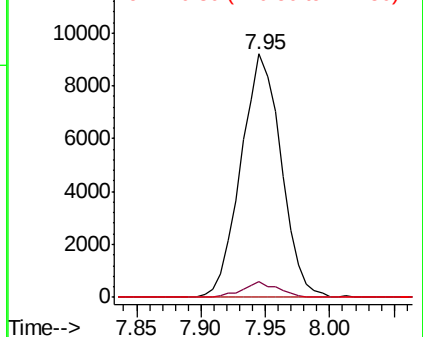
121 0.0 24.7 37.1#



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: 3.993 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

Tgt Ion: 41 Resp: 4566

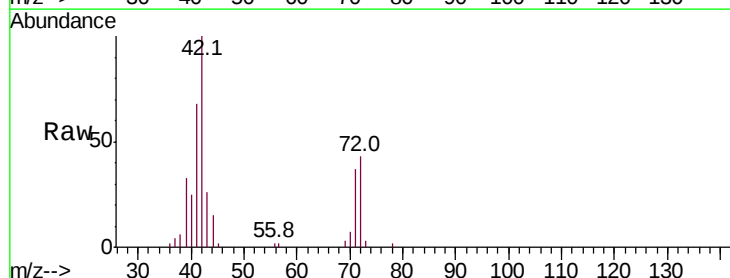
Ion Ratio Lower Upper

41 100

39 55.2 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

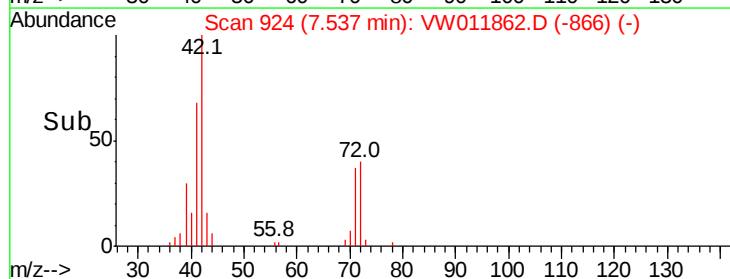
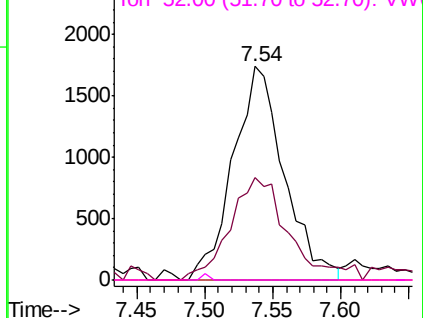


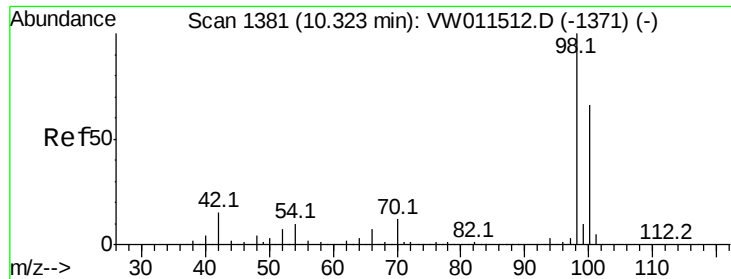
Abundance Ion 41.00 (40.70 to 41.70): VW

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

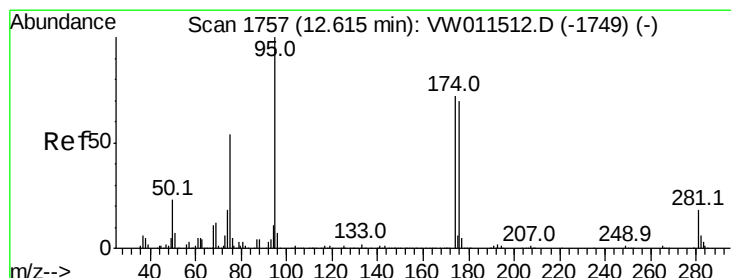
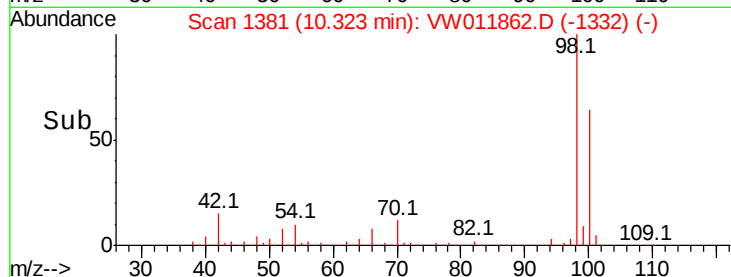
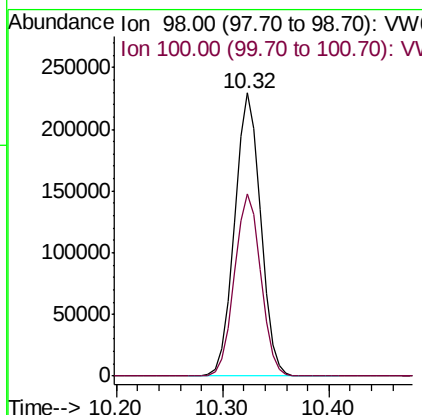
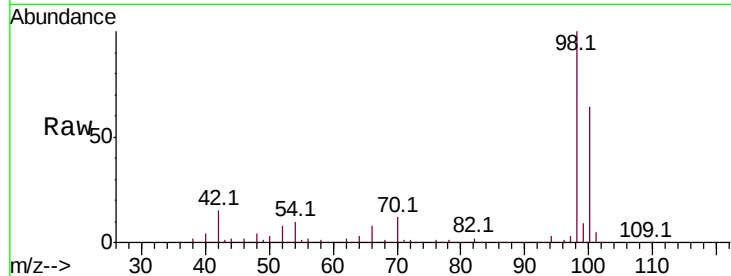




#50
Toluene-d8
Concen: 53.826 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

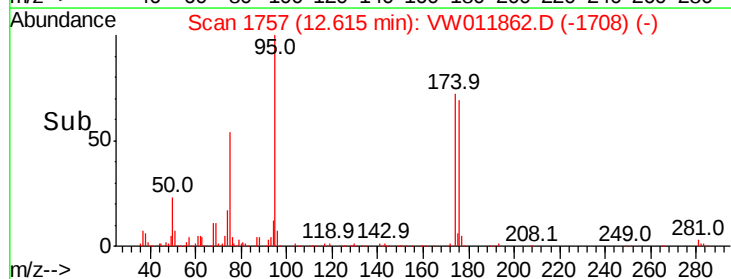
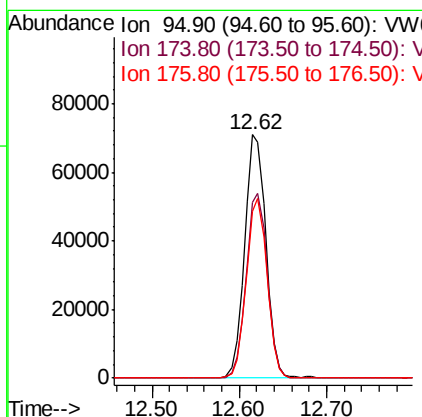
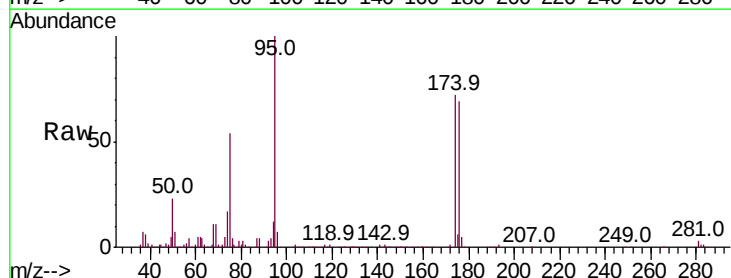
Instrument :
MSVOA_W
ClientSampled :

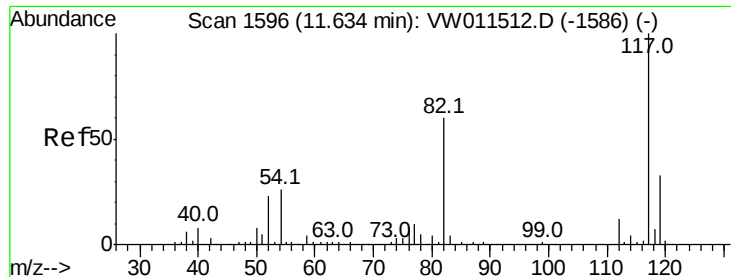
Tot Ion: 98 Resp: 395307
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.666 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Tgt Ion: 95 Resp: 119568
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.2
176 71.8 0.0 144.4

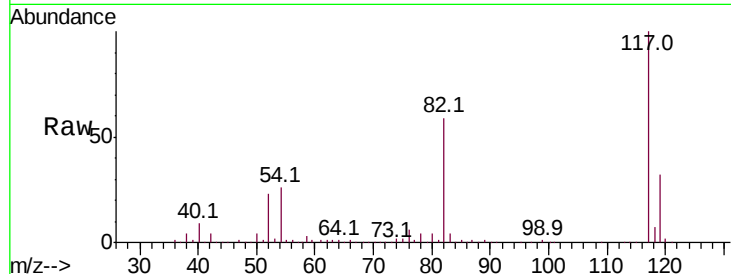




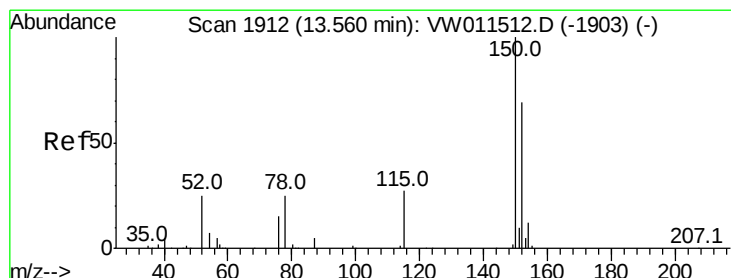
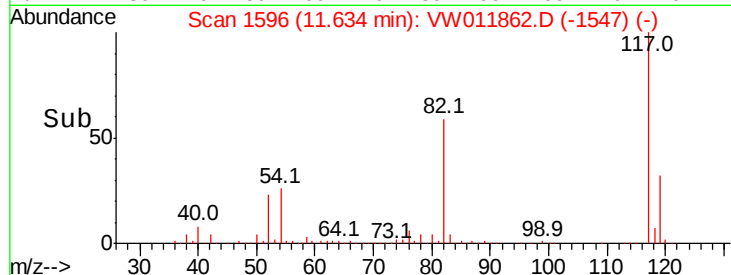
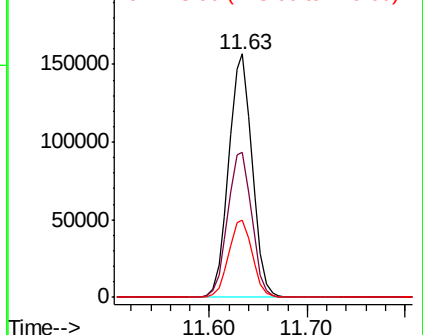
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 260735
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 31.9 26.2 39.2

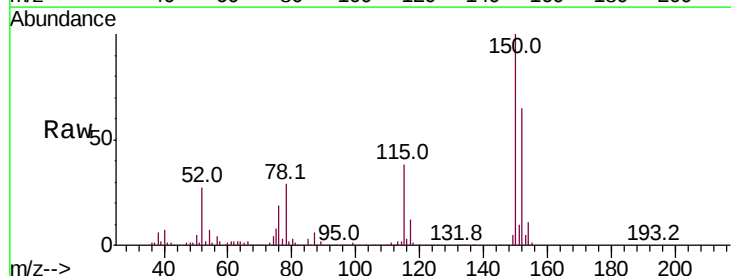


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

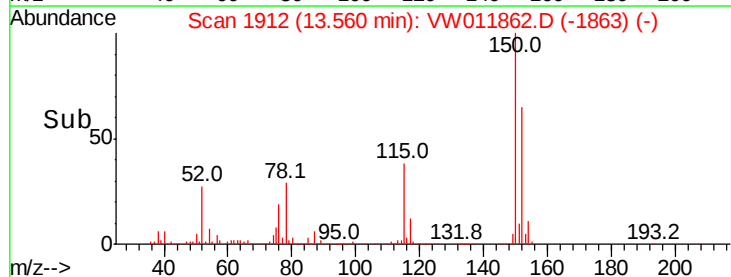
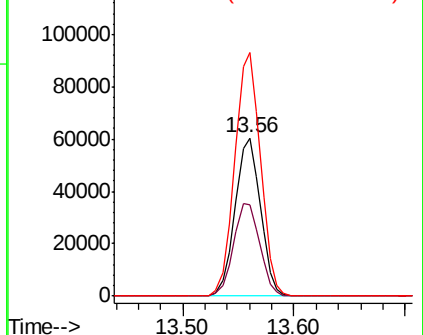


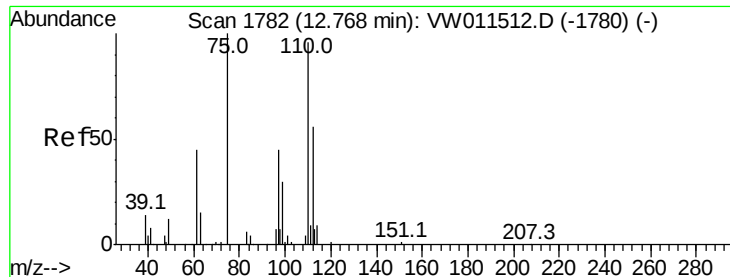
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Tgt Ion:152 Resp: 95424
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 155.6 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: 63.147 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

Instrument :

MSVOA_W

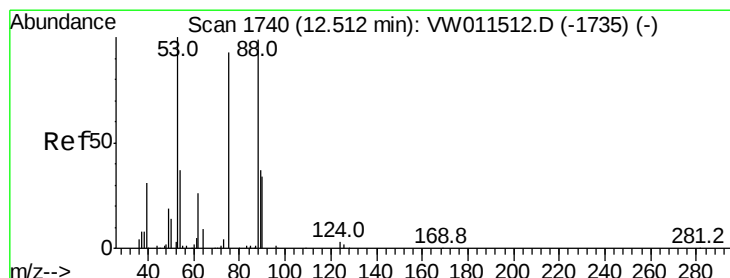
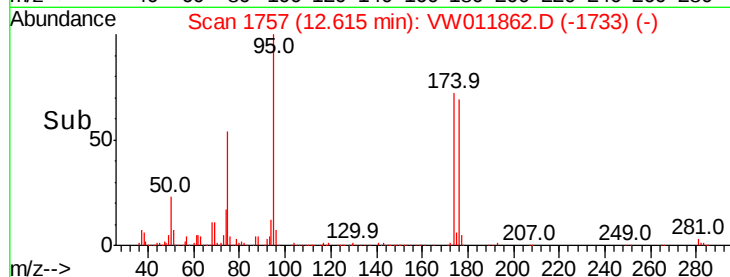
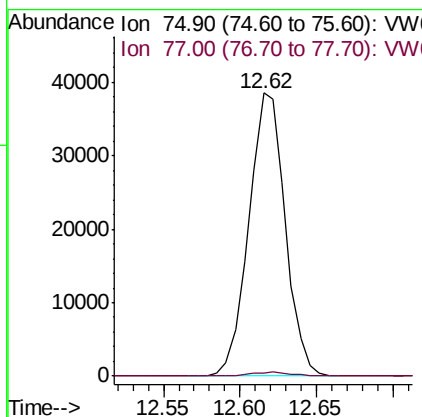
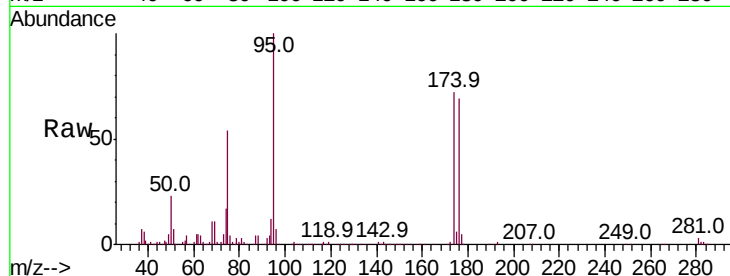
ClientSampleId :

Tot Ion: 75 Resp: 63759

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.531 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011862.D

Acq: 12 Aug 2019 19:33

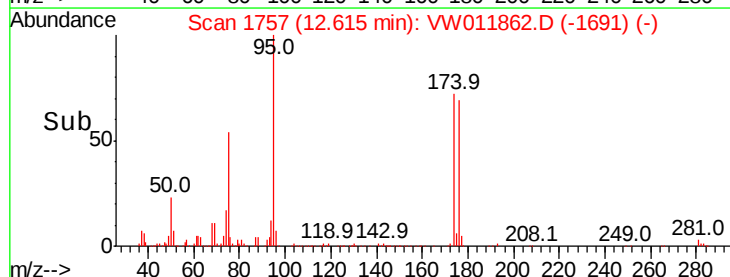
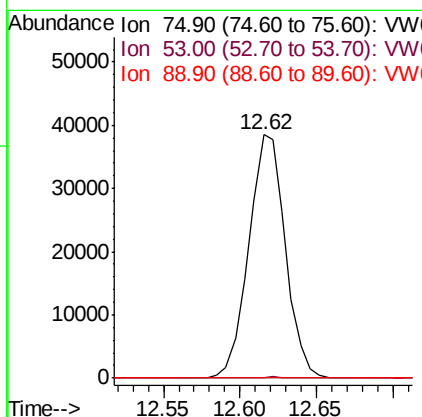
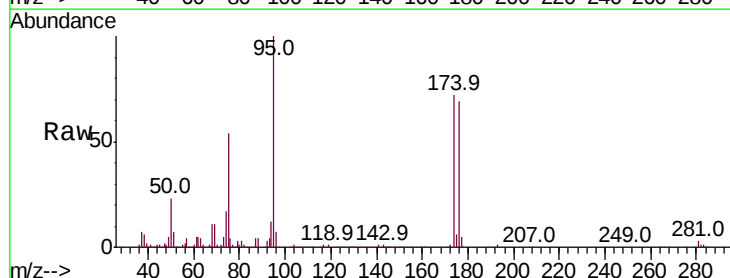
Tgt Ion: 75 Resp: 63759

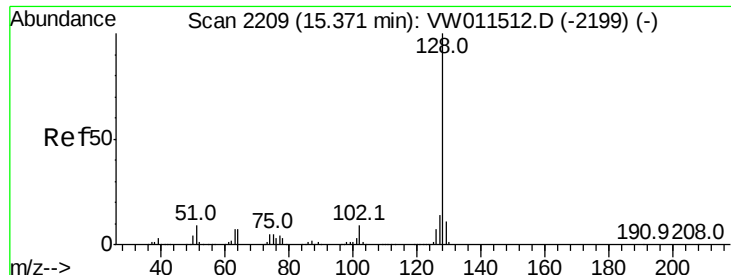
Ion Ratio Lower Upper

75 100

53 0.9 88.0 132.0#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.276 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011862.D
Acq: 12 Aug 2019 19:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 827
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 25.5 8.6 13.0#

