

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011714.D
 Acq On : 05 Aug 2019 17:23
 Operator : SY/VA
 Sample : K4135-14RE
 Misc : 4.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-B3-(0-1)

Quant Time: Aug 06 08:04:32 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	221833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122419	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	142743	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	7.88	113	113938	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	10.32	98	457019	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.62	95	147965	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

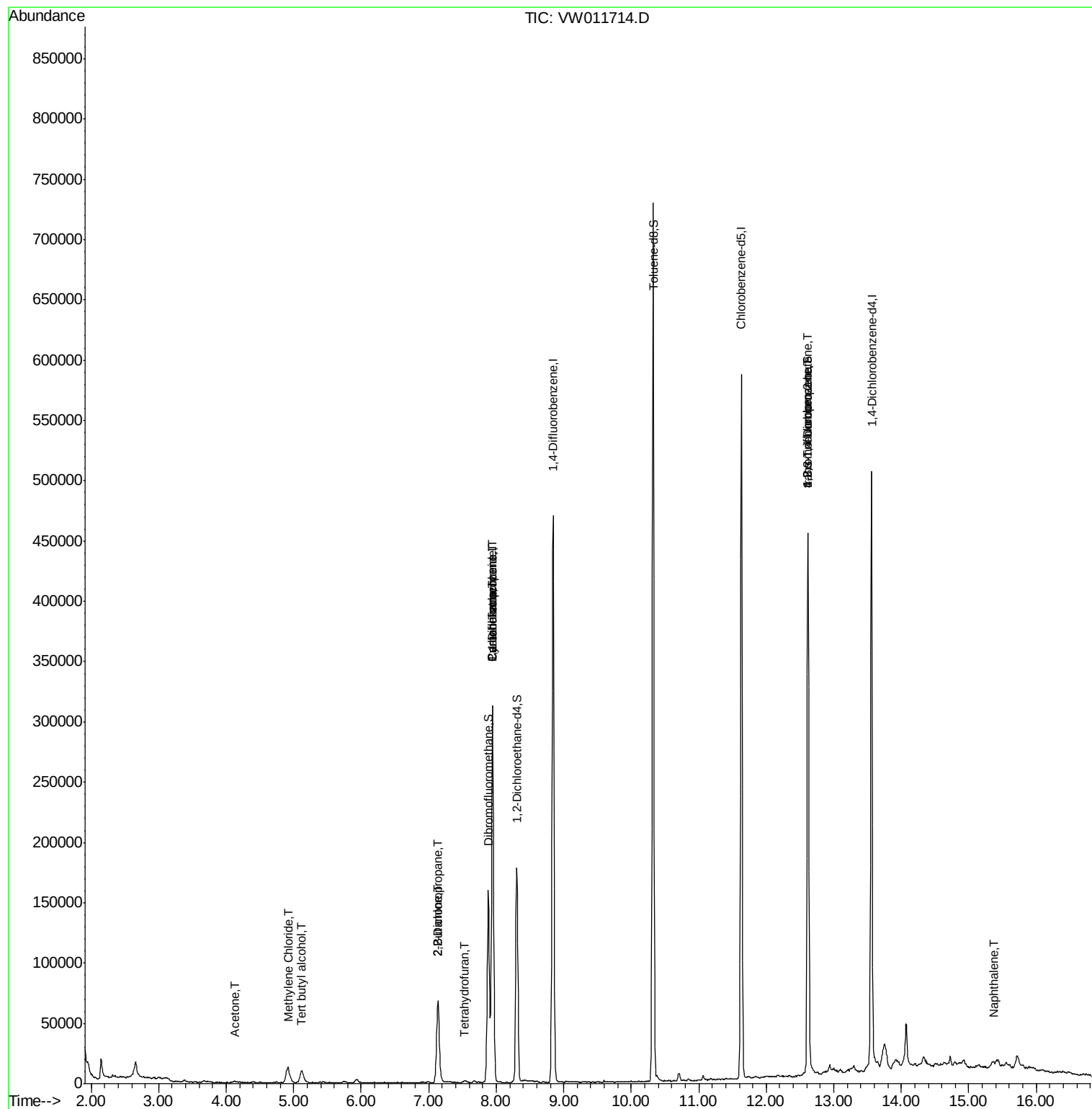
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	10477	40.812	ug/l #	76
16) Acetone	4.12	43	1772	2.187	ug/l	92
20) Methylene Chloride	4.91	84	8877	3.177	ug/l #	91
25) 2-Butanone	7.14	43	4368	4.120	ug/l #	81
26) 2,2-Dichloropropane	7.13	77	4632	1.518	ug/l #	54
29) Tetrahydrofuran	7.53	42	1448	2.389	ug/l #	82
31) Cyclohexane	7.95	56	5672	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19217	4.985	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23016	6.975	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77874	60.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77874	138.553	ug/l #	6
95) Naphthalene	15.37	128	1252	2.314	ug/l #	84

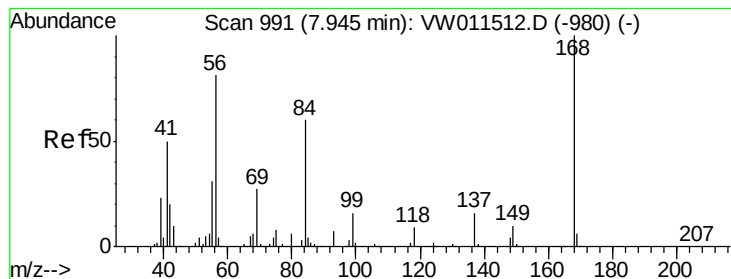
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011714.D

Acq: 05 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

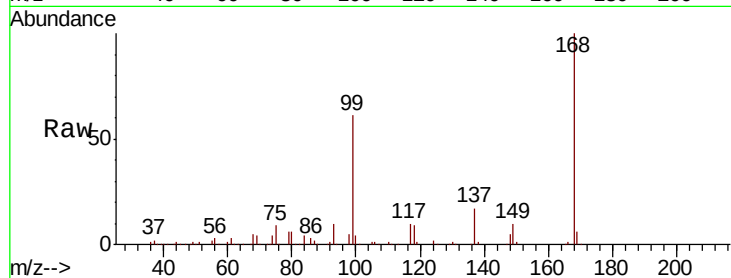
1S-B3-(0-1)

Tgt Ion:168 Resp: 221833

Ion Ratio Lower Upper

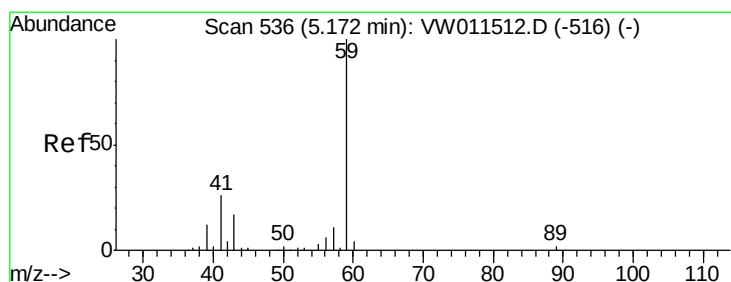
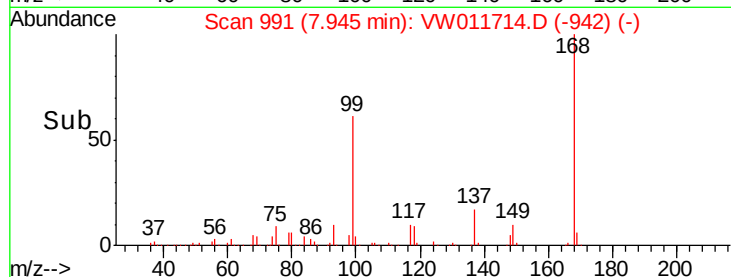
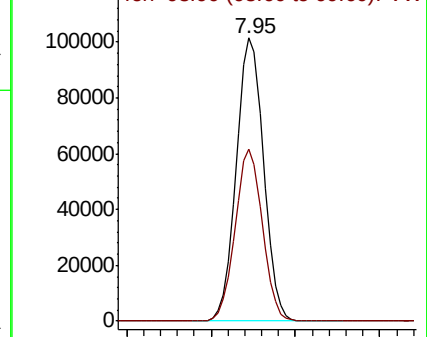
168 100

99 61.0 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: 40.812 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011714.D

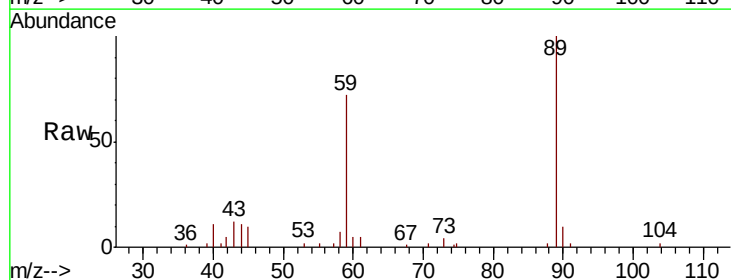
Acq: 05 Aug 2019 17:23

Tgt Ion: 59 Resp: 10477

Ion Ratio Lower Upper

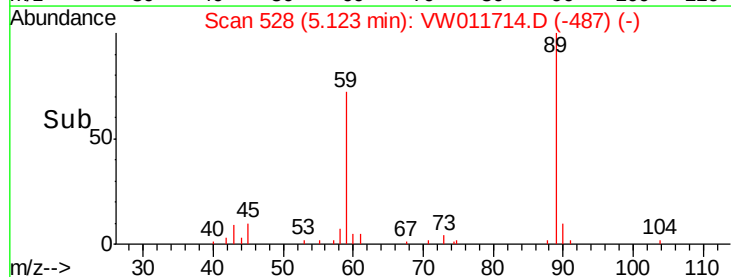
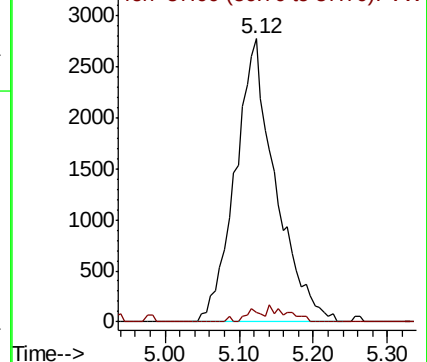
59 100

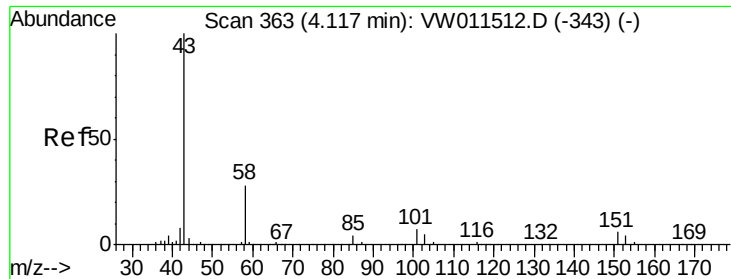
57 1.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

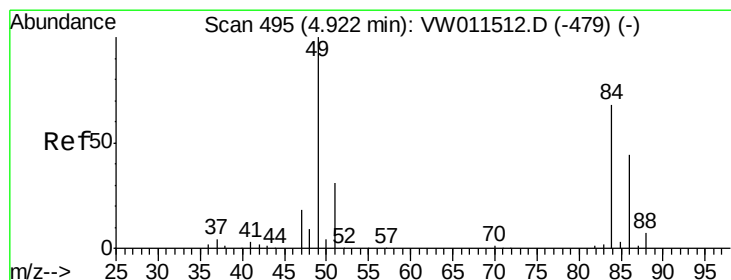
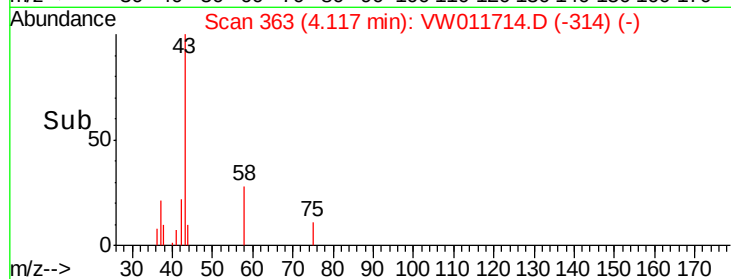
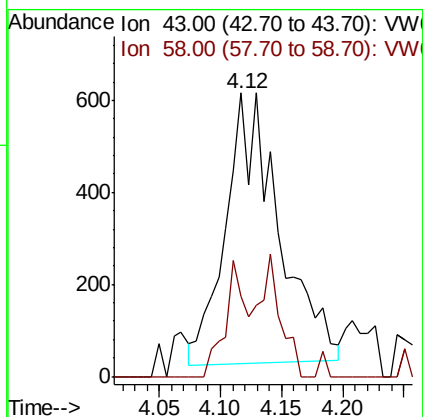
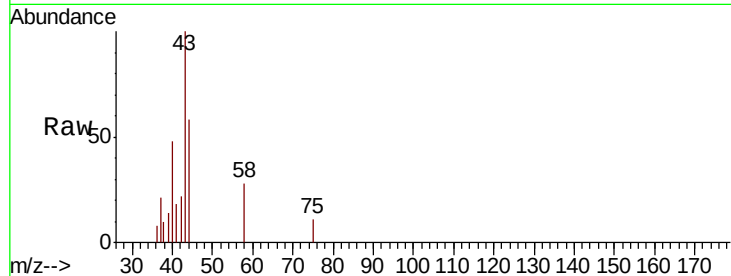




#16
Acetone
Concen: 2.187 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

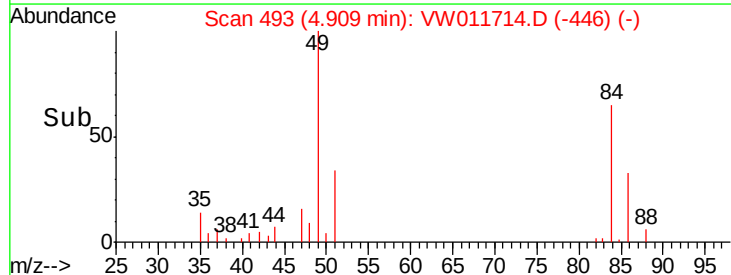
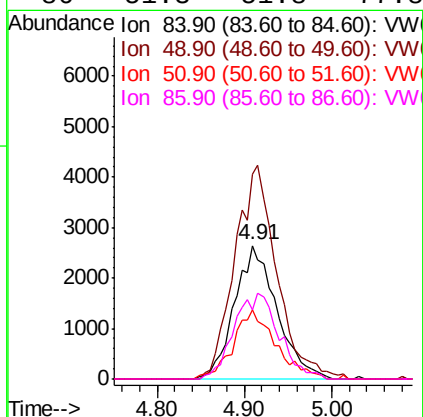
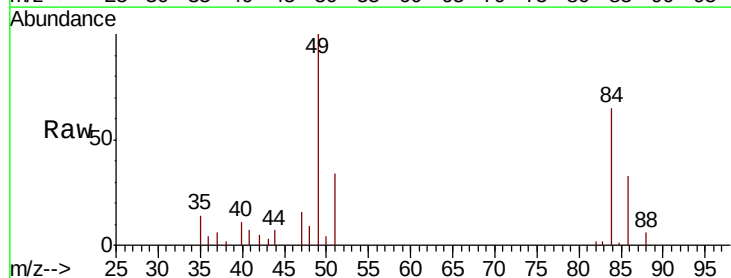
Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(0-1)

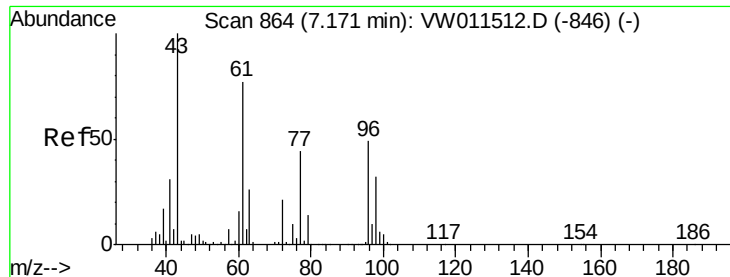
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
58 31.9 22.3 33.5



#20
Methylene Chloride
Concen: 3.177 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Tgt Ion: 84 Resp: 8877
Ion Ratio Lower Upper
84 100
49 153.6 117.8 176.6
51 51.8 37.0 55.4
86 51.3 51.8 77.8#





#25

2-Butanone

Concen: 4.120 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011714.D

Acq: 05 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

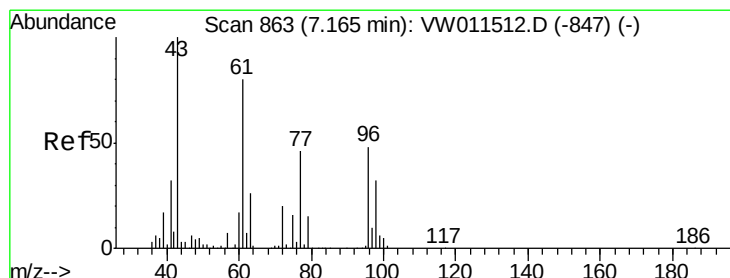
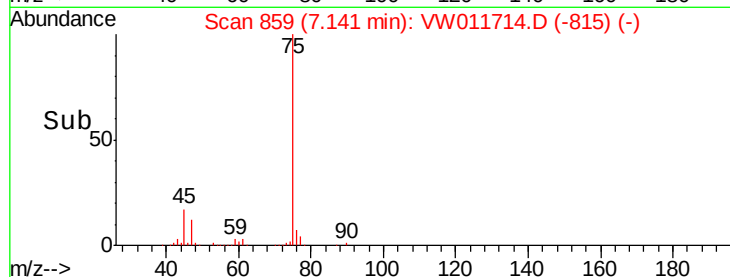
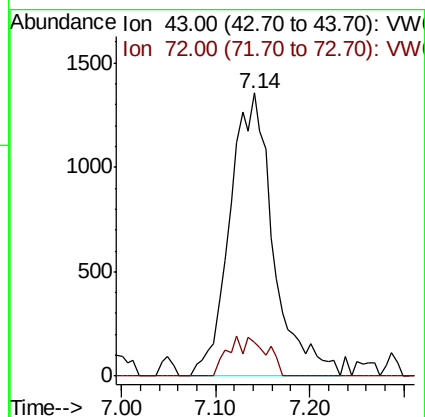
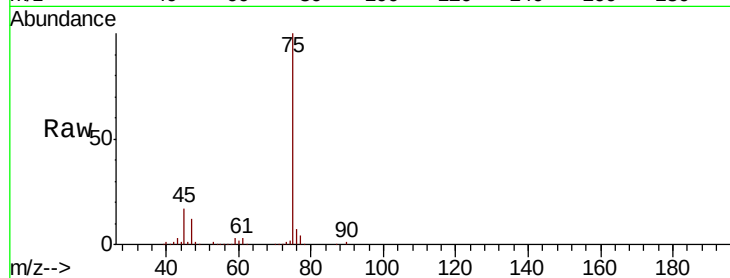
1S-B3-(0-1)

Tgt Ion: 43 Resp: 4368

Ion Ratio Lower Upper

43 100

72 11.9 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.518 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011714.D

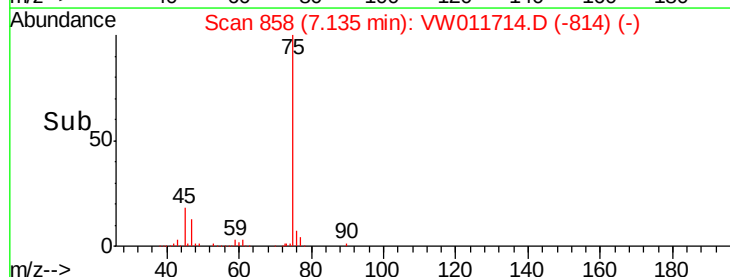
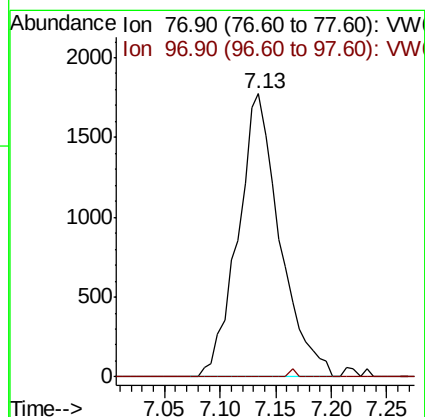
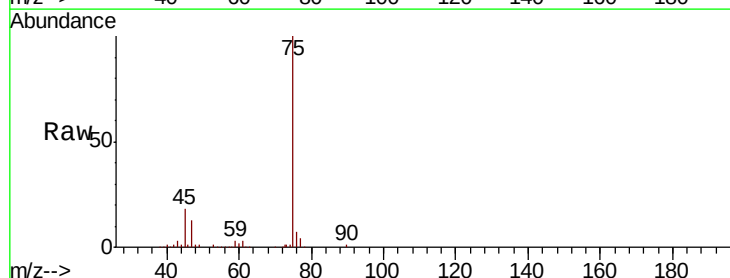
Acq: 05 Aug 2019 17:23

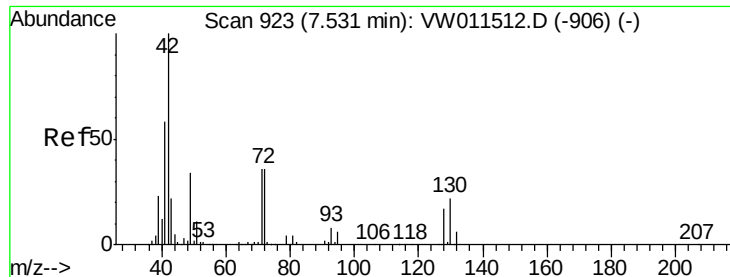
Tgt Ion: 77 Resp: 4632

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.389 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011714.D

Acq: 05 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

1S-B3-(0-1)

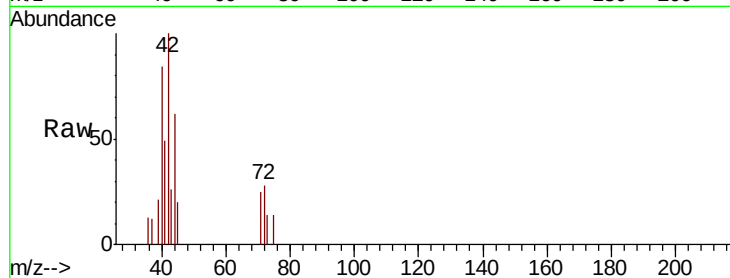
Tgt Ion: 42 Resp: 1448

Ion Ratio Lower Upper

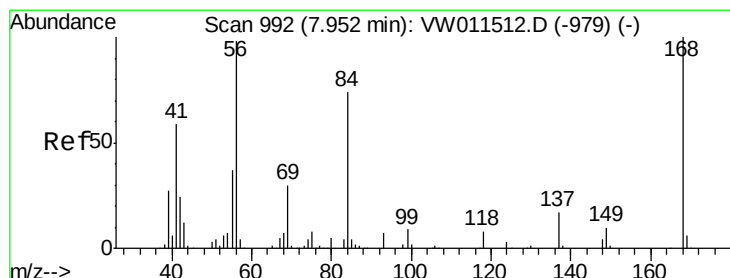
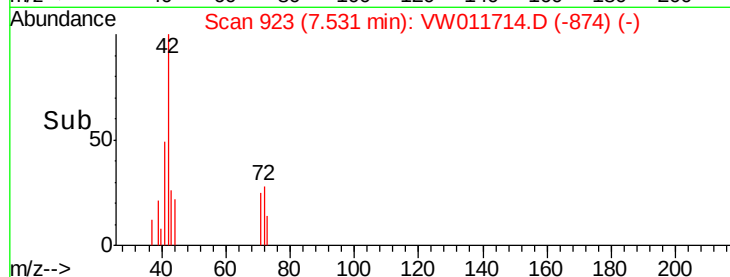
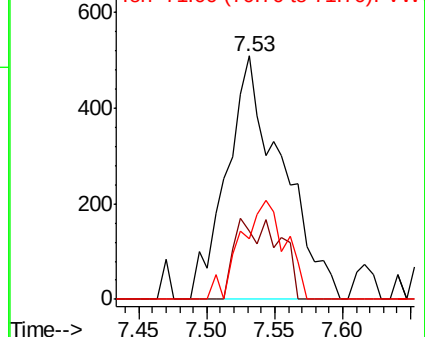
42 100

72 13.5 27.1 40.7#

71 32.8 26.2 39.4



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: 1.191 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011714.D

Acq: 05 Aug 2019 17:23

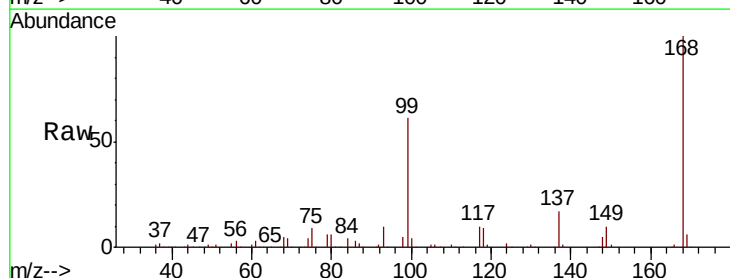
Tgt Ion: 56 Resp: 5672

Ion Ratio Lower Upper

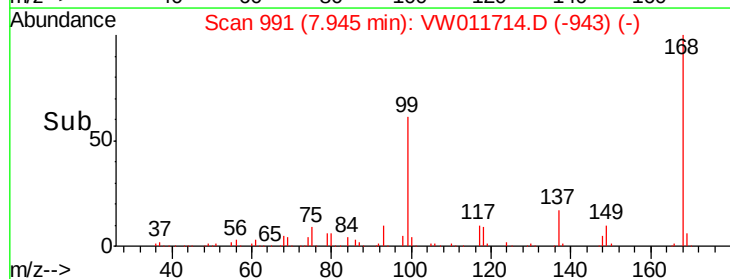
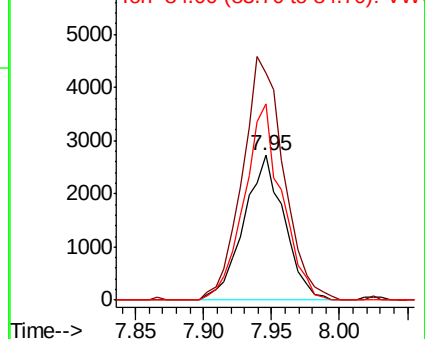
56 100

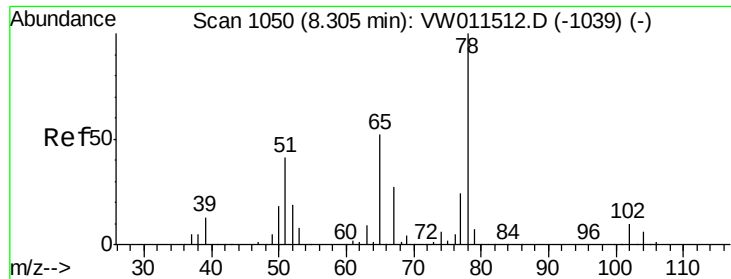
69 156.7 24.3 36.5#

84 135.0 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

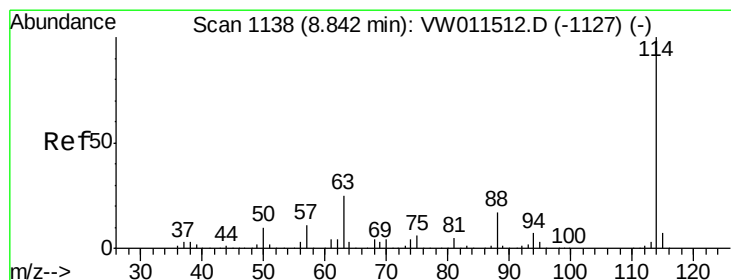
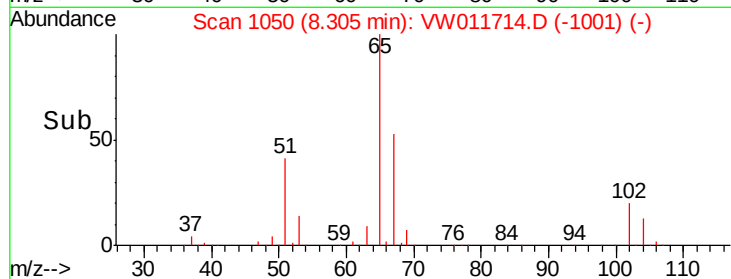
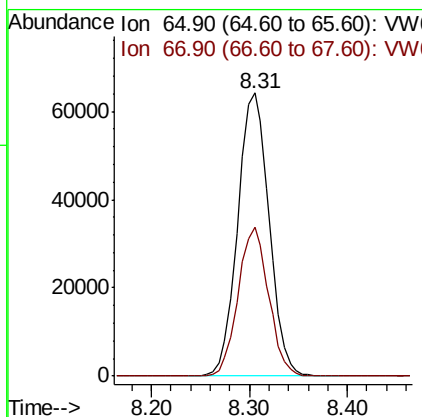
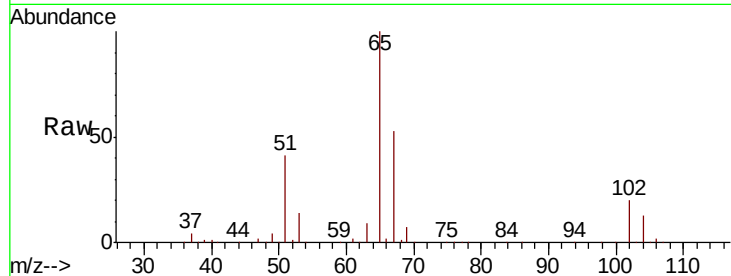




#33
 1,2-Dichloroethane-d4
 Concen: 56.038 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011714.D
 Acq: 05 Aug 2019 17:23

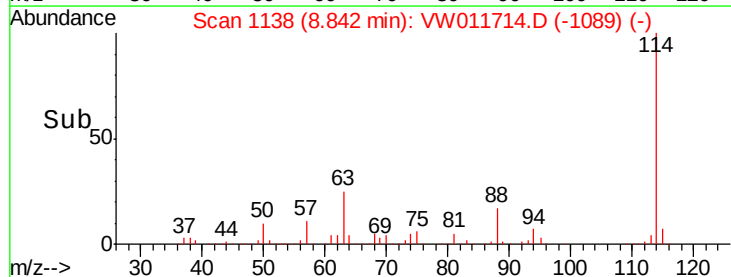
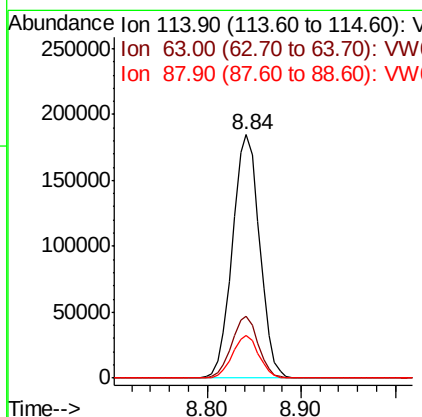
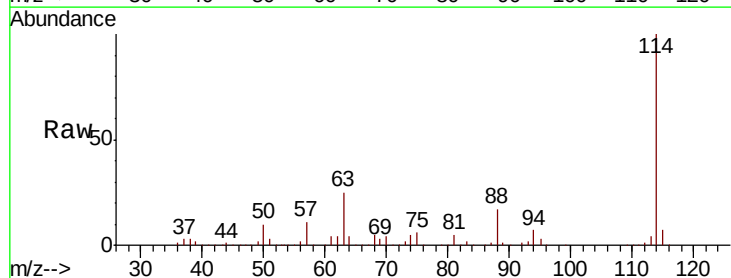
Instrument :
 MSVOA_W
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 1S-B3-(0-1)

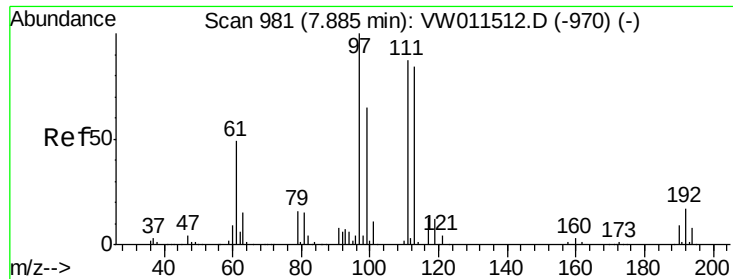
Tgt Ion: 65 Resp: 142743
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011714.D
 Acq: 05 Aug 2019 17:23

Tgt Ion: 114 Resp: 370701
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.3 0.0 33.8

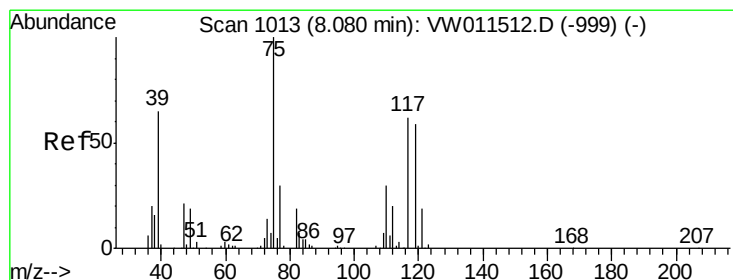
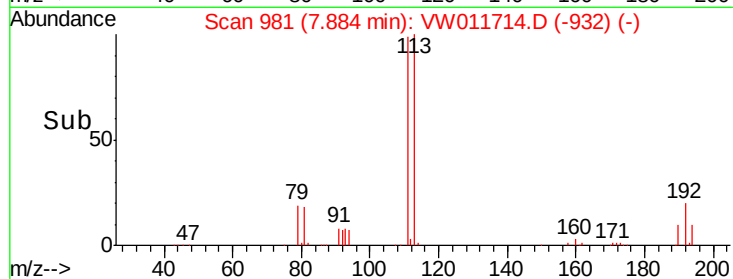
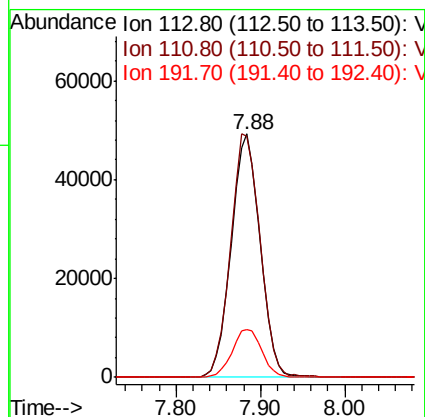
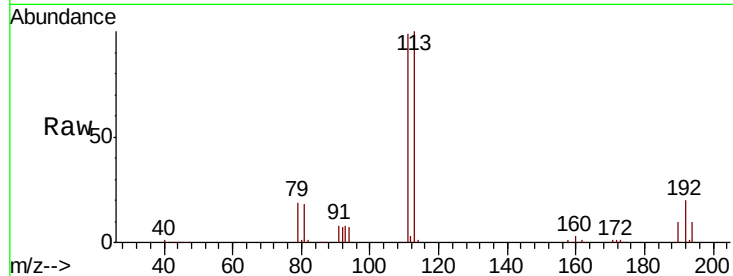




#35
 Dibromofluoromethane
 Concen: 54.786 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011714.D
 Acq: 05 Aug 2019 17:23

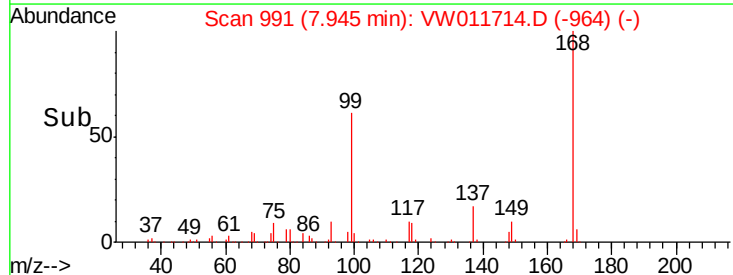
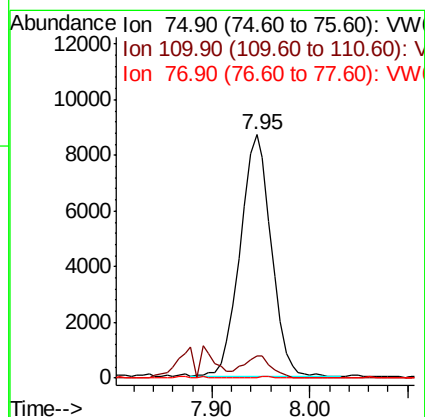
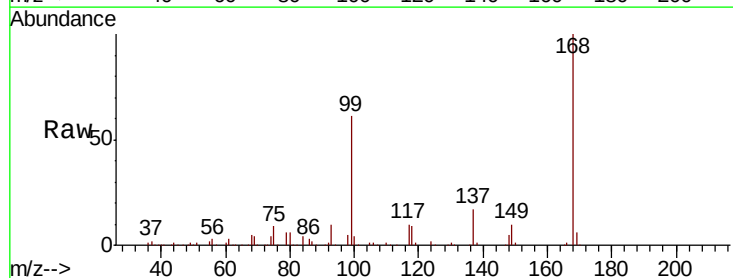
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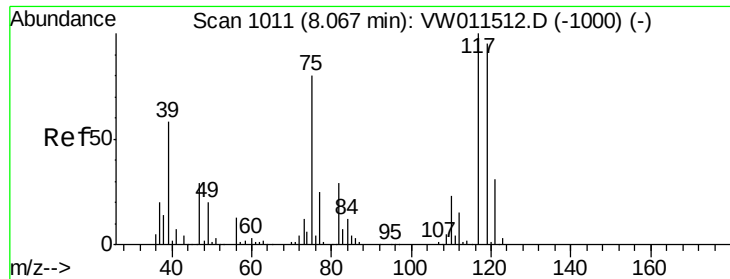
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.2	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011714.D
 Acq: 05 Aug 2019 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.6	46.8#
77	0.2	24.3	36.5#

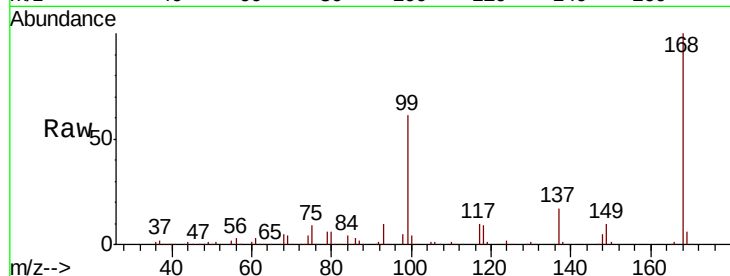




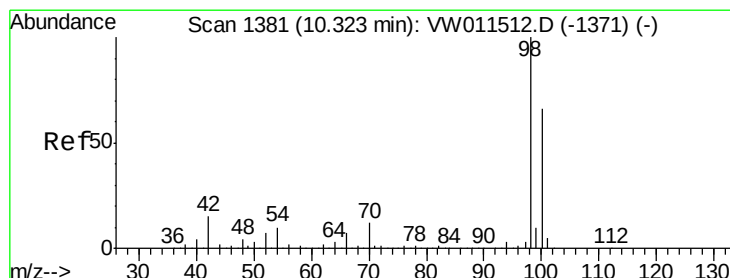
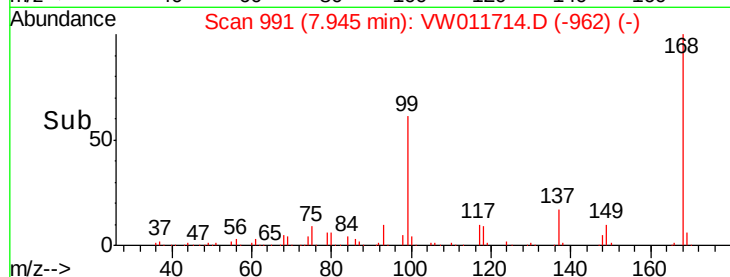
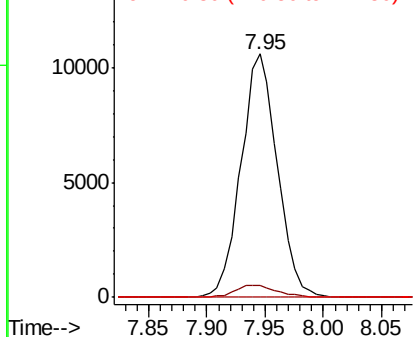
#38
Carbon Tetrachloride
Concen: 6.975 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Instrument :
MSVOA_W
ClientSampled :
1S-B3-(0-1)

Tgt Ion: 117 Resp: 23016
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#

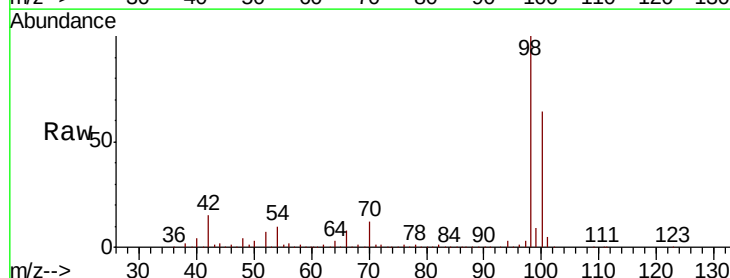


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

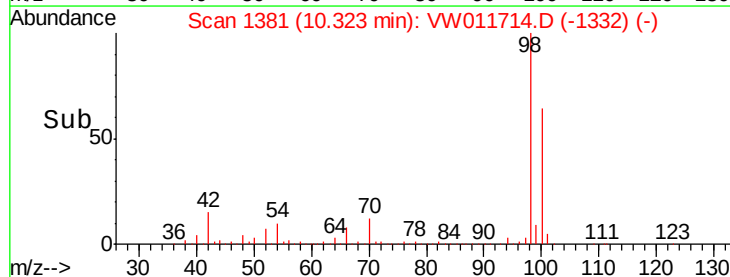
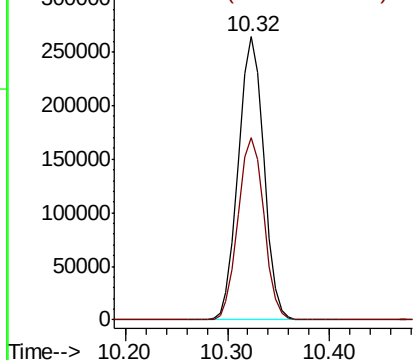


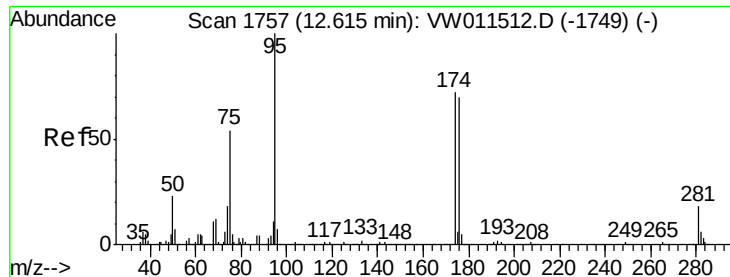
#50
Toluene-d8
Concen: 53.673 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Tgt Ion: 98 Resp: 457019
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

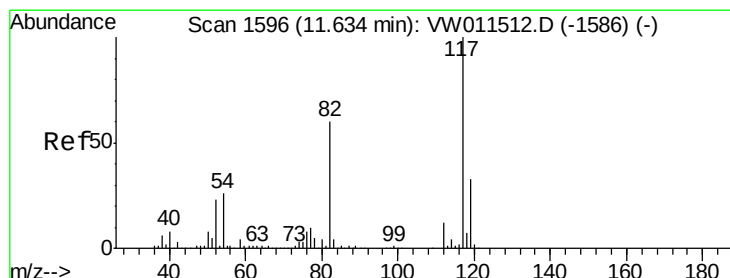
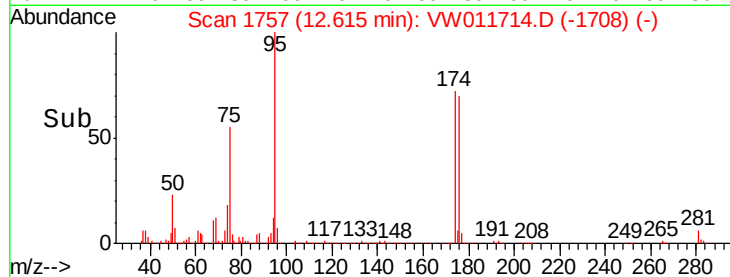
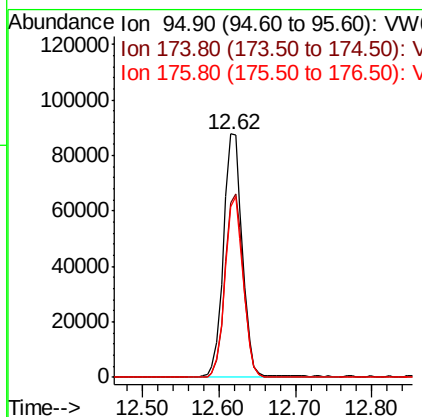
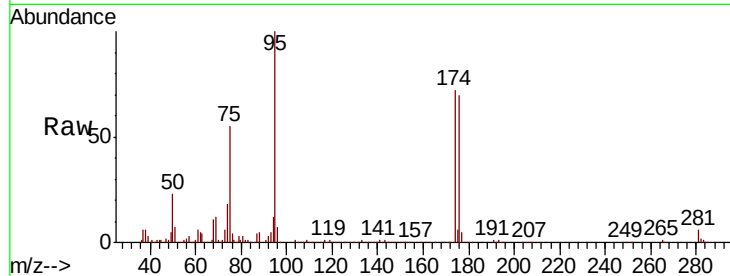




#62
4-Bromofluorobenzene
Concen: 48.741 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

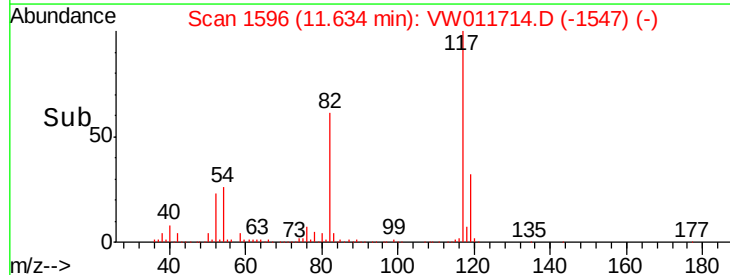
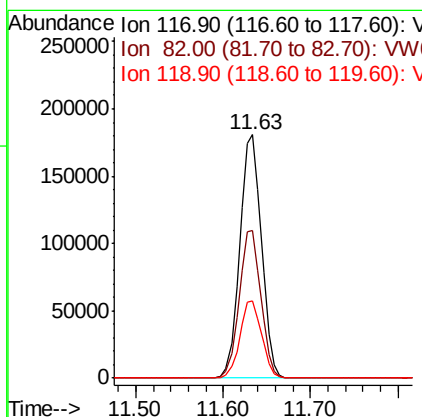
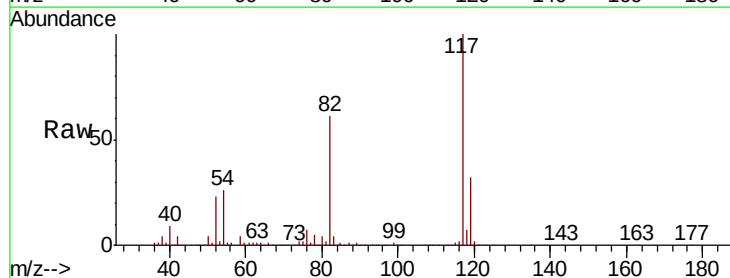
Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(0-1)

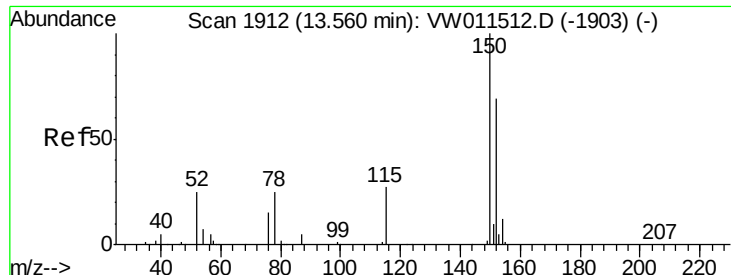
Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	150.2
176	71.9	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	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: VW011714.D

Acq: 05 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

1S-B3-(0-1)

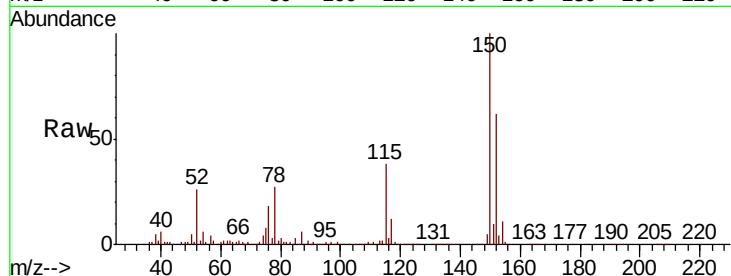
Tgt Ion:152 Resp: 122419

Ion Ratio Lower Upper

152 100

115 60.0 30.5 91.5

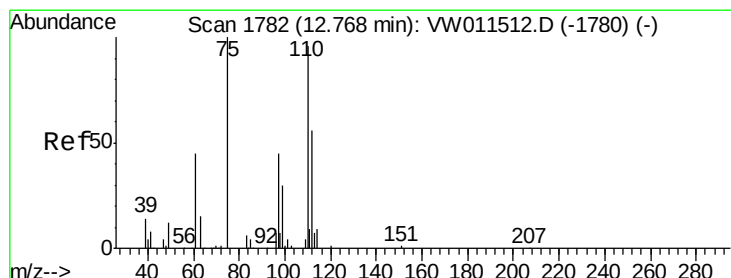
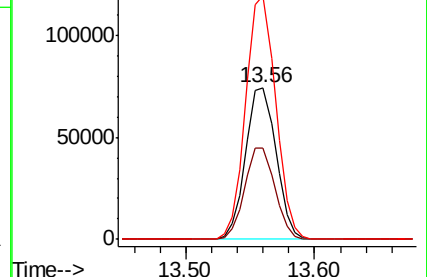
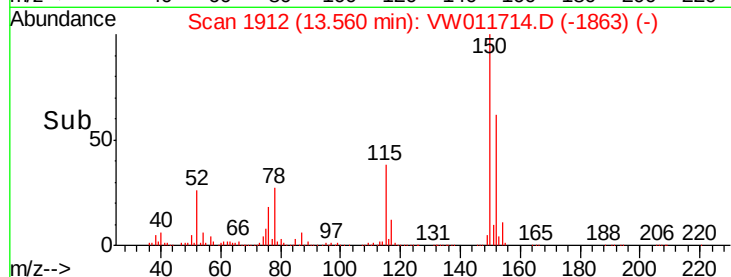
150 157.5 0.0 352.6



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: 60.119 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011714.D

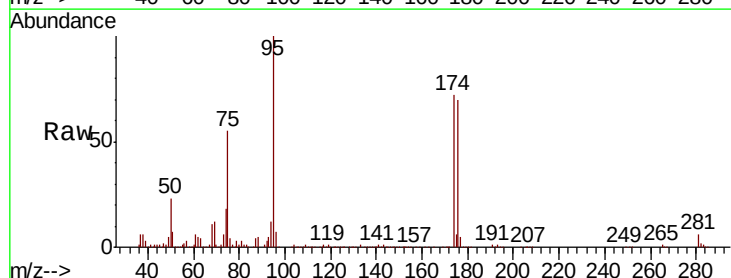
Acq: 05 Aug 2019 17:23

Tgt Ion: 75 Resp: 77874

Ion Ratio Lower Upper

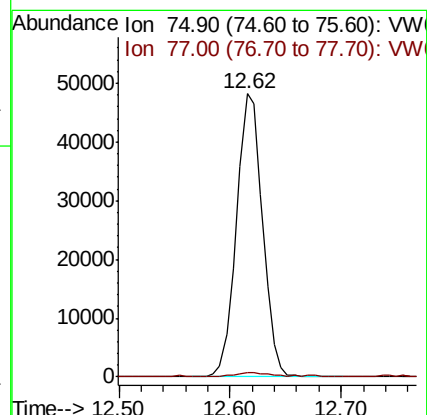
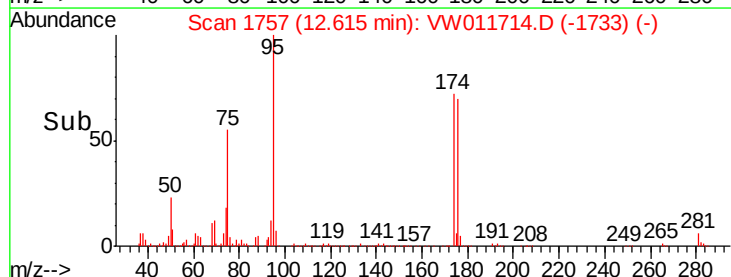
75 100

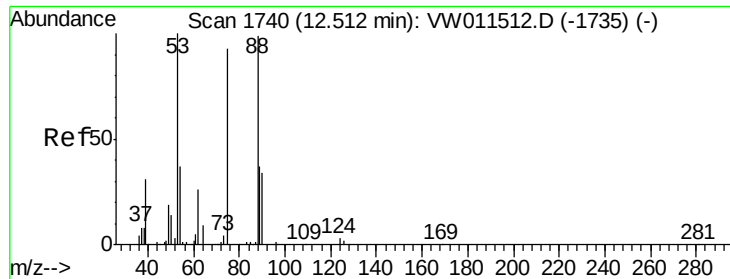
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

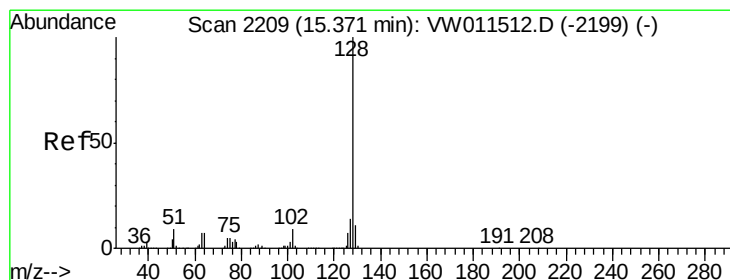
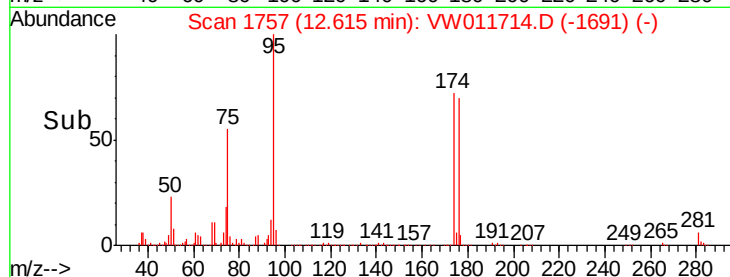
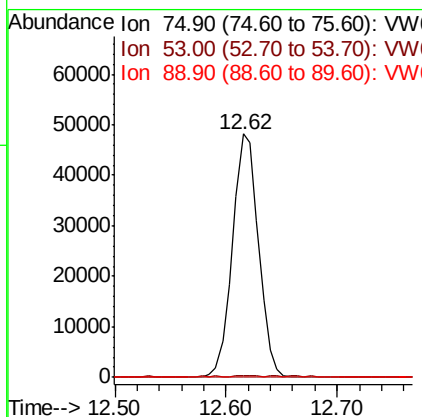
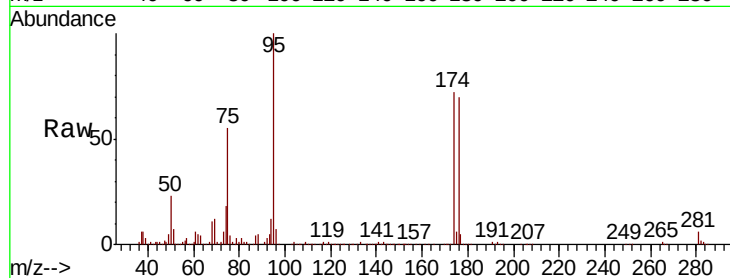




#81
trans-1,4-Dichloro-2-butene
Concen: 138.553 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Instrument :
MSVOA_W
ClientSampleId :
1S-B3-(0-1)

Tgt Ion: 75 Resp: 77874
Ion Ratio Lower Upper
75 100
53 0.3 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.314 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011714.D
Acq: 05 Aug 2019 17:23

Tgt Ion: 128 Resp: 1252
Ion Ratio Lower Upper
128 100
127 10.3 10.6 16.0#
129 20.8 8.6 13.0#

